

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011906.D
 Acq On : 30 Aug 2019 13:40
 Operator : SY/SP
 Sample : VX0830SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:41:06 AM

Quant Time: Aug 31 02:16:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	354611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	478627	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	447186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	265481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	169992	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	5.48	113	158171	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	8.71	98	578306	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
62) 4-Bromofluorobenzene	11.14	95	239301	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	51108	23.880	ug/l 99
3) Chloromethane	1.31	50	51807	20.881	ug/l 100
4) Vinyl Chloride	1.40	62	50777	21.432	ug/l 99
5) Bromomethane	1.62	94	35246	21.501	ug/l 100
6) Chloroethane	1.70	64	30751	20.855	ug/l 97
7) Trichlorofluoromethane	1.91	101	90991	22.115	ug/l 99
8) Diethyl Ether	2.17	74	28715	20.307	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	59263	22.099	ug/l 99
10) Methyl Iodide	2.50	142	35203	14.816	ug/l 98
11) Tert butyl alcohol	3.04	59	35293	107.974	ug/l 99
12) 1,1-Dichloroethene	2.36	96	52333	21.012	ug/l 95
13) Acrolein	2.28	56	15807	97.162	ug/l 95
14) Allyl chloride	2.71	41	96649	20.687	ug/l 100
15) Acrylonitrile	3.13	53	83630	107.672	ug/l 99
16) Acetone	2.43	43	76257	104.318	ug/l 100
17) Carbon Disulfide	2.55	76	138196	19.345	ug/l 99
18) Methyl Acetate	2.76	43	42991	21.245	ug/l 99
19) Methyl tert-butyl Ether	3.18	73	171806	21.293	ug/l 99
20) Methylene Chloride	2.84	84	69785	19.364	ug/l 97
21) trans-1,2-Dichloroethene	3.15	96	61451	20.946	ug/l 94
22) Diisopropyl ether	3.84	45	202010	21.180	ug/l 92
23) Vinyl Acetate	3.80	43	656725	107.096	ug/l 99
24) 1,1-Dichloroethane	3.68	63	109803	20.877	ug/l 99
25) 2-Butanone	4.66	43	114112	107.180	ug/l 99
26) 2,2-Dichloropropane	4.57	77	96048	21.773	ug/l 99
27) cis-1,2-Dichloroethene	4.58	96	73497	21.268	ug/l 99
28) Bromochloromethane	5.00	49	47010	19.919	ug/l 100
29) Tetrahydrofuran	5.11	42	71426	107.483	ug/l 99
30) Chloroform	5.20	83	119033	21.166	ug/l 99
31) Cyclohexane	5.56	56	91490	21.566	ug/l 96
32) 1,1,1-Trichloroethane	5.48	97	106630	21.345	ug/l 99
36) 1,1-Dichloropropene	5.78	75	83096	21.914	ug/l 99
37) Ethyl Acetate	4.82	43	47717	21.259	ug/l 98
38) Carbon Tetrachloride	5.77	117	98279	22.348	ug/l 98

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Manual Integrations
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MMDadoda
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Quant Time: Aug 31 02:16:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	99955	22.131	ug/l	97
40) Benzene	6.13	78	242621	21.436	ug/l	99
41) Methacrylonitrile	5.03	41	29260	22.140	ug/l	99
42) 1,2-Dichloroethane	6.18	62	84095	21.848	ug/l	99
43) Isopropyl Acetate	6.43	43	101787	22.367	ug/l	100
44) Trichloroethene	7.20	130	75930	21.682	ug/l	100
45) 1,2-Dichloropropane	7.50	63	63741	21.529	ug/l	100
46) Dibromomethane	7.65	93	38075	21.669	ug/l	98
47) Bromodichloromethane	7.89	83	94376	21.660	ug/l	99
48) Methyl methacrylate	7.76	41	49067	22.160	ug/l	98
49) 1,4-Dioxane	7.73	88	13791	452.931	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	259668	112.322	ug/l	100
52) Toluene	8.78	92	162920	21.757	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	96969	21.727	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	107317	21.420	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	56764	22.067	ug/l	98
56) Ethyl methacrylate	9.17	69	77814	21.796	ug/l	99
57) 1,3-Dichloropropane	9.37	76	93160	21.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	172946	101.709	ug/l	99
59) 2-Hexanone	9.48	43	183189	111.553	ug/l	100
60) Dibromochloromethane	9.57	129	76584	22.167	ug/l	99
61) 1,2-Dibromoethane	9.67	107	55657	21.823	ug/l	98
64) Tetrachloroethene	9.33	164	80019	22.245	ug/l	97
65) Chlorobenzene	10.14	112	190344	21.965	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	78153	22.302	ug/l	98
67) Ethyl Benzene	10.25	91	324997	22.048	ug/l	99
68) m/p-Xylenes	10.35	106	250093	43.939	ug/l	99
69) o-Xylene	10.70	106	121575	21.919	ug/l	99
70) Styrene	10.71	104	215930	22.087	ug/l	99
71) Bromoform	10.85	173	55315	22.323	ug/l #	100
73) Isopropylbenzene	11.01	105	333621	21.871	ug/l	100
74) N-amyl acetate	10.89	43	98758	21.816	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	68698	22.006	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	59592m	22.819	ug/l	
77) Bromobenzene	11.25	156	96585	21.832	ug/l	98
78) n-propylbenzene	11.35	91	379249	21.925	ug/l	100
79) 2-Chlorotoluene	11.42	91	225820	21.689	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	287663	21.848	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	22601	21.741	ug/l	99
82) 4-Chlorotoluene	11.51	91	272078	21.661	ug/l	100
83) tert-Butylbenzene	11.76	119	296592	22.200	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	291137	21.576	ug/l	100
85) sec-Butylbenzene	11.94	105	338665	21.824	ug/l	99
86) p-Isopropyltoluene	12.06	119	327435	21.761	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	178934	21.763	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	180985	21.774	ug/l	99
89) n-Butylbenzene	12.38	91	287659	21.608	ug/l	99
90) Hexachloroethane	12.59	117	63316	21.750	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	166140	21.734	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13533	21.762	ug/l	97

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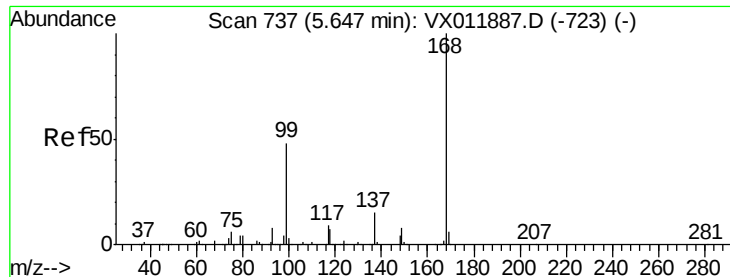
Manual Integrations
APPROVED

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9/3/2019 2:41:06 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	140083	21.763	ug/l	100
94) Hexachlorobutadiene	13.77	225	92241	21.459	ug/l	98
95) Naphthalene	13.83	128	239409	21.672	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	124565	21.401	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion:168 Resp: 354611

Ion Ratio Lower Upper

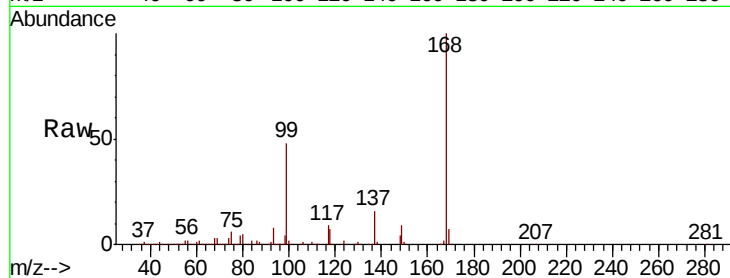
168 100

99 47.7 38.4 57.6

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

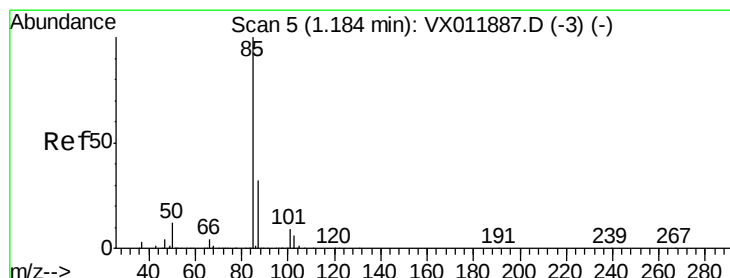
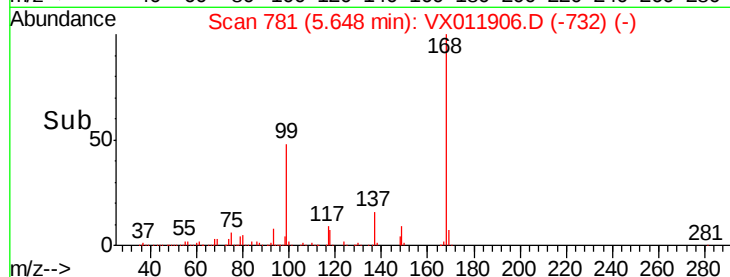
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.880 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011906.D

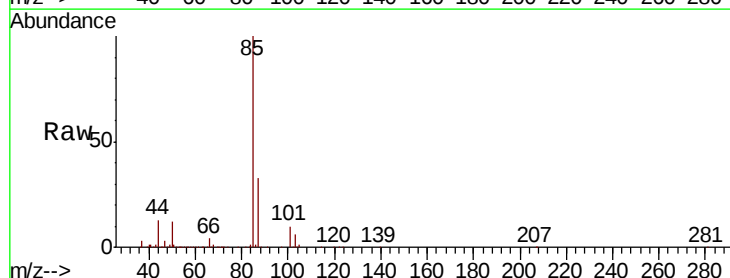
Acq: 30 Aug 2019 13:40

Tgt Ion: 85 Resp: 51108

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

50000

40000

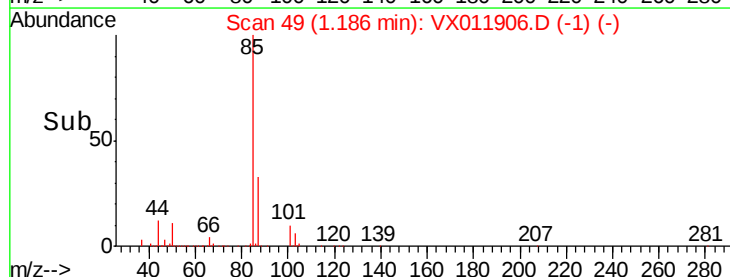
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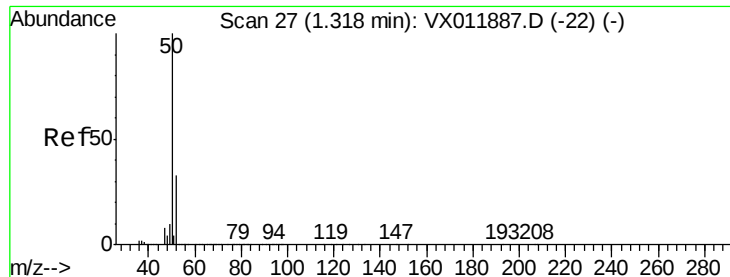
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.881 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 50 Resp: 51807

Ion Ratio Lower Upper

50 100

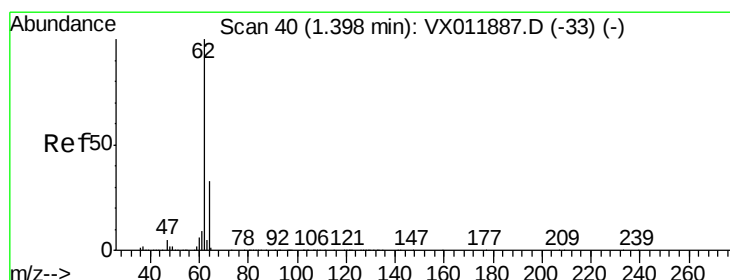
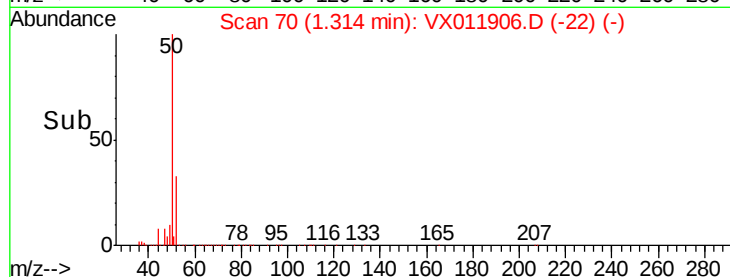
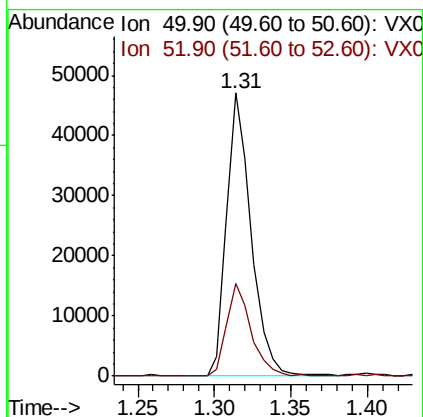
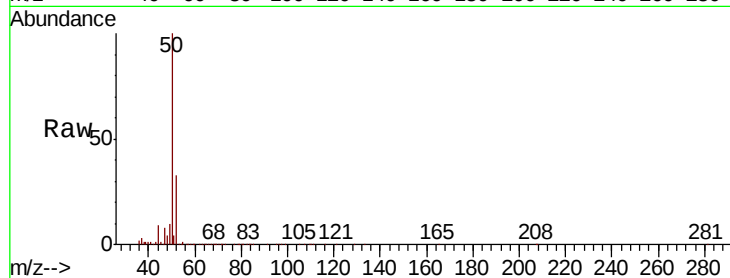
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.432 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX011906.D

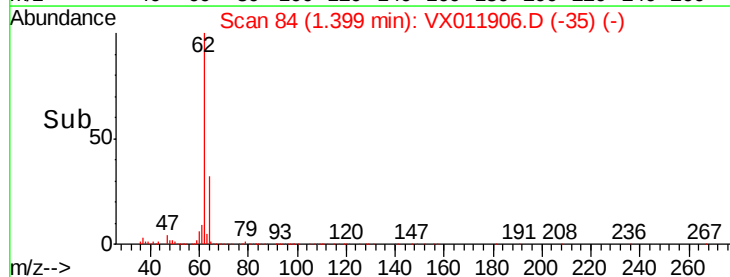
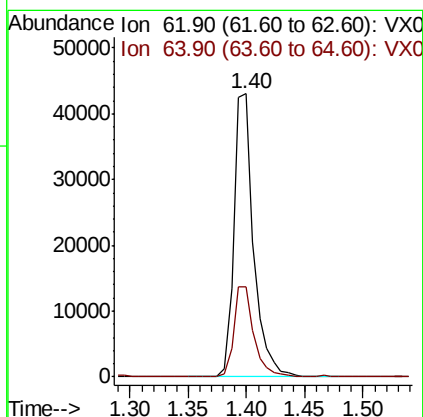
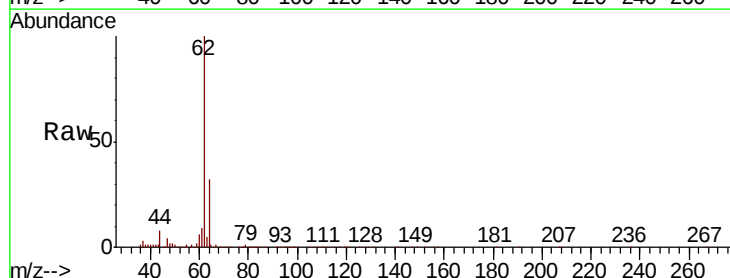
Acq: 30 Aug 2019 13:40

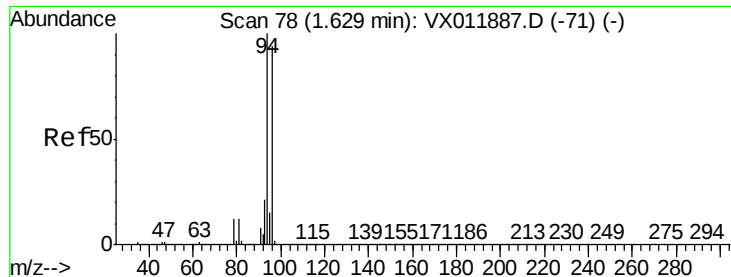
Tgt Ion: 62 Resp: 50777

Ion Ratio Lower Upper

62 100

64 31.9 26.0 39.0





#5

Bromomethane

Concen: 21.501 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 94 Resp: 35246

Ion Ratio Lower Upper

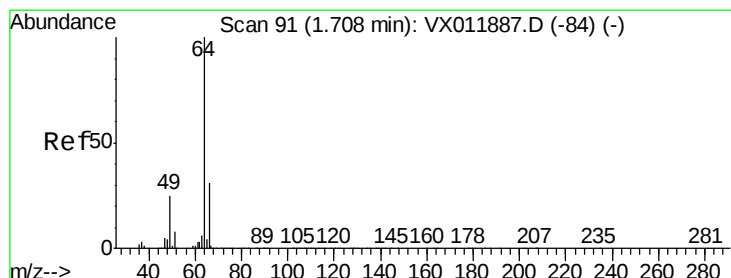
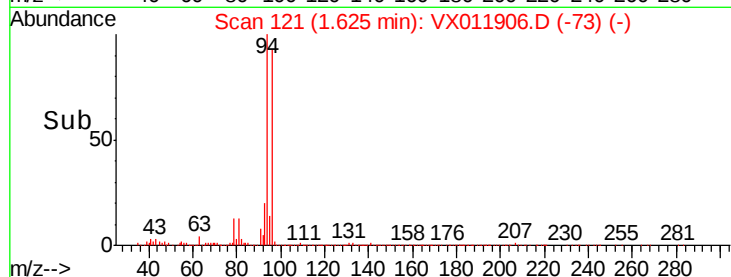
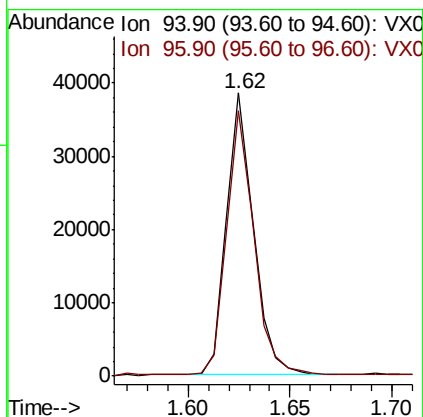
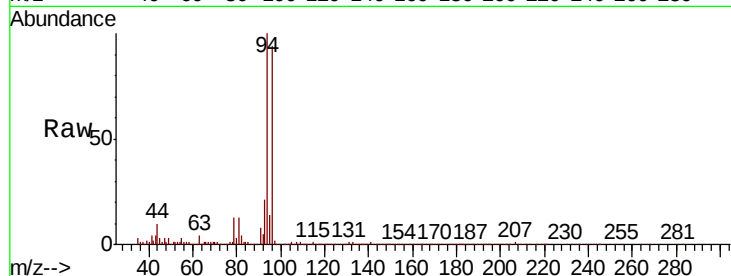
94 100

96 93.5 75.0 112.6

Manual Integrations
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#6

Chloroethane

Concen: 20.855 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX011906.D

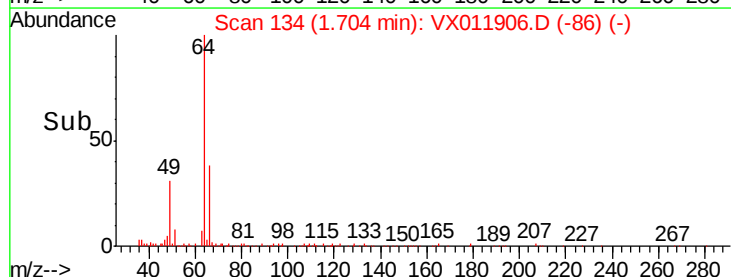
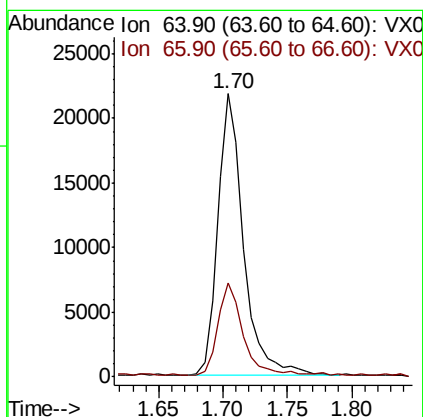
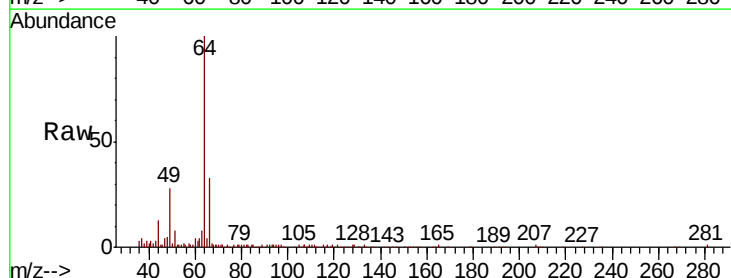
Acq: 30 Aug 2019 13:40

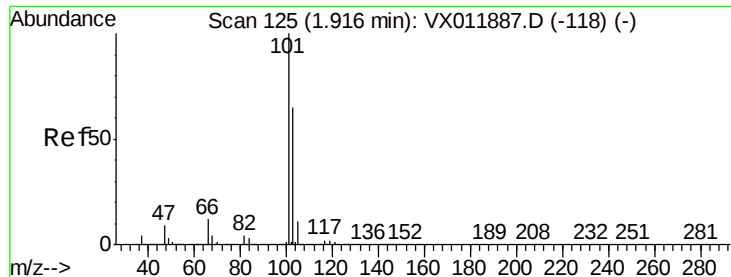
Tgt Ion: 64 Resp: 30751

Ion Ratio Lower Upper

64 100

66 32.8 25.0 37.4





#7

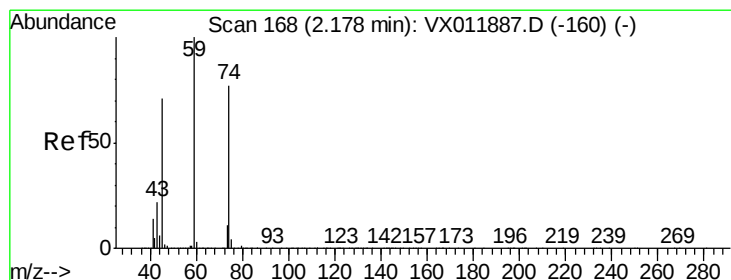
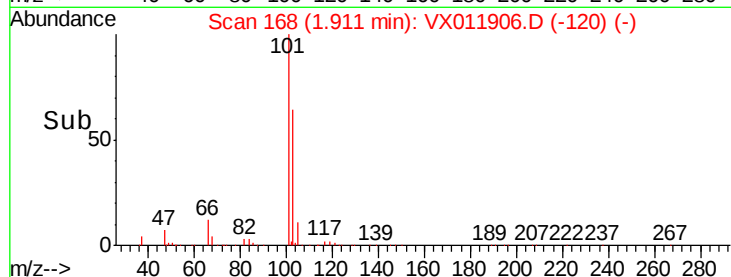
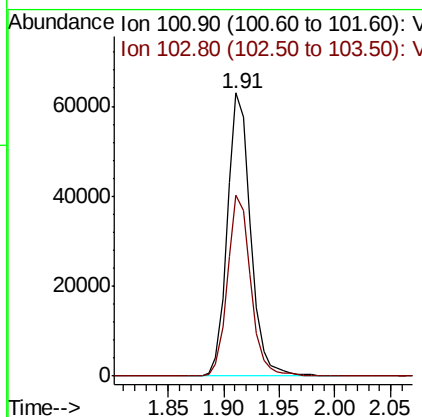
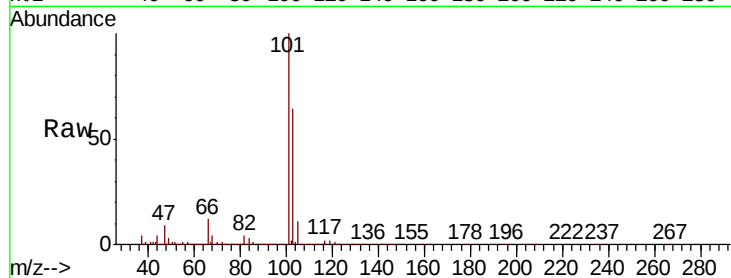
Trichlorofluoromethane
 Concen: 22.115 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

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 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	90991		
103	63.6	51.6	77.4	

Manual Integrations
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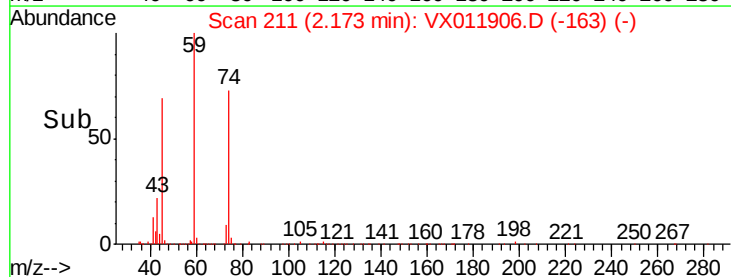
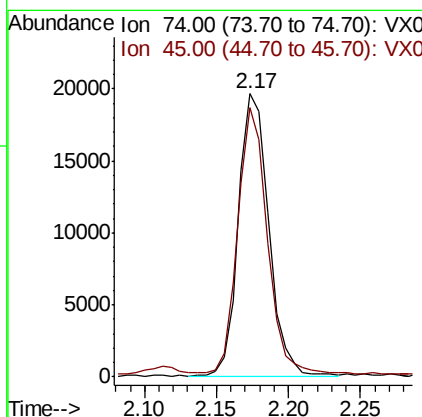
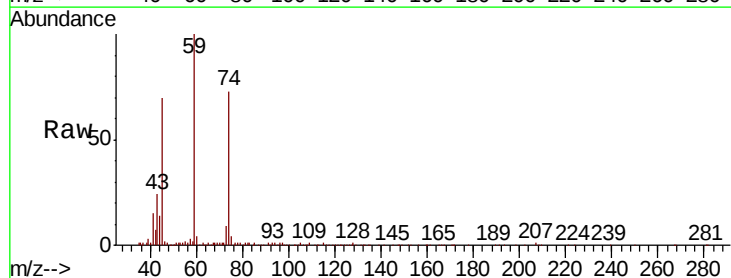
MMDadoda
 9/3/2019 2:41:06 AM

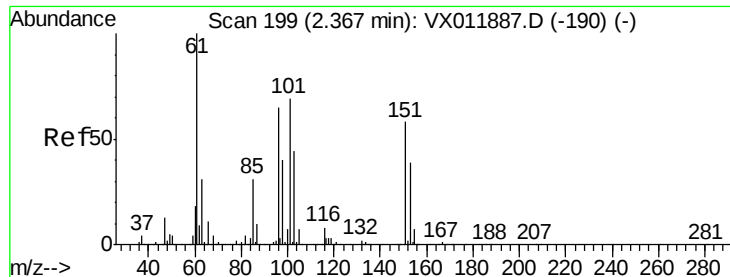


#8

Diethyl Ether
 Concen: 20.307 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	28715		
45	91.6	46.7	140.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.099 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

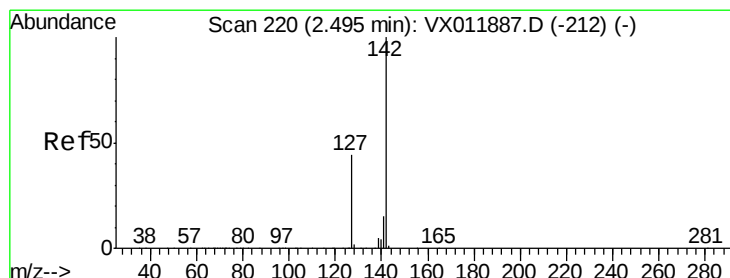
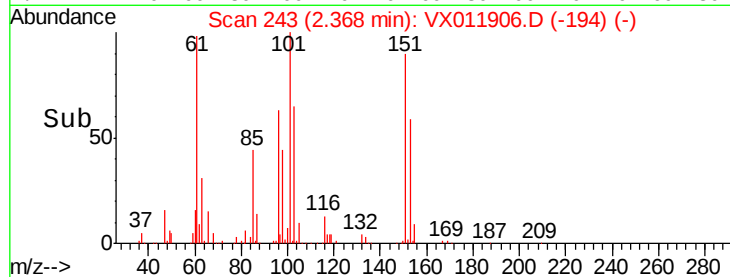
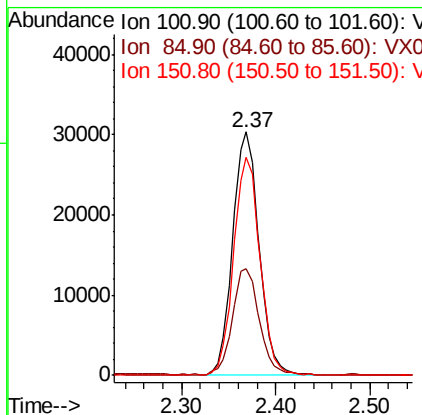
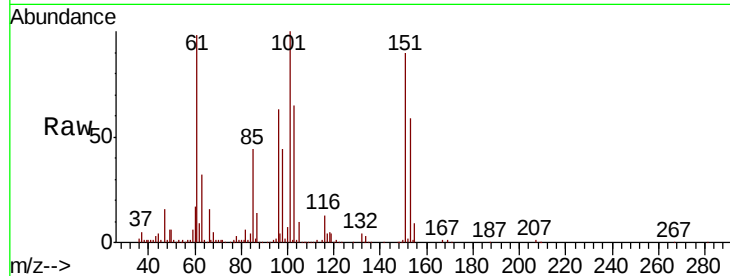
ClientSampleId :

VX0830SBS01

Tot Ion:	101	Resp:	59263
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.9	52.3
151	89.5	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 14.816 ug/l

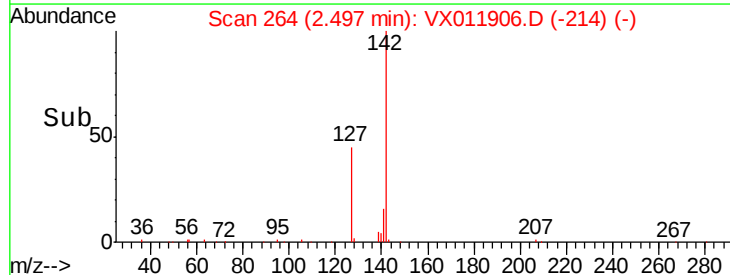
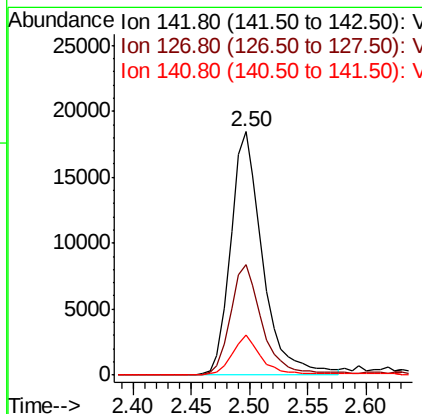
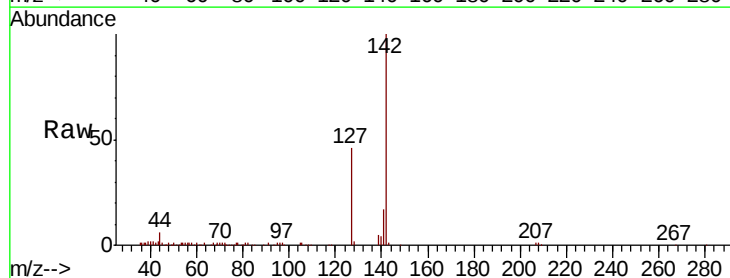
RT: 2.50 min Scan# 264

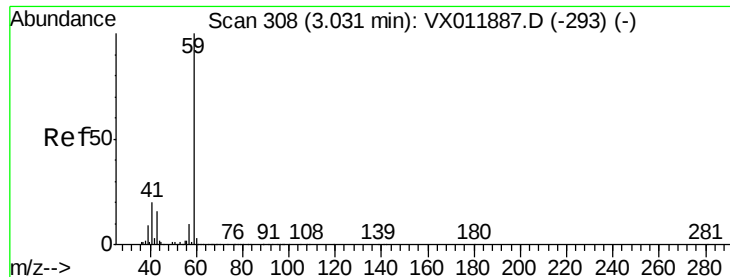
Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Tgt Ion:	142	Resp:	35203
Ion Ratio	Lower	Upper	
142	100		
127	46.2	35.7	53.5
141	15.7	11.8	17.6





#11

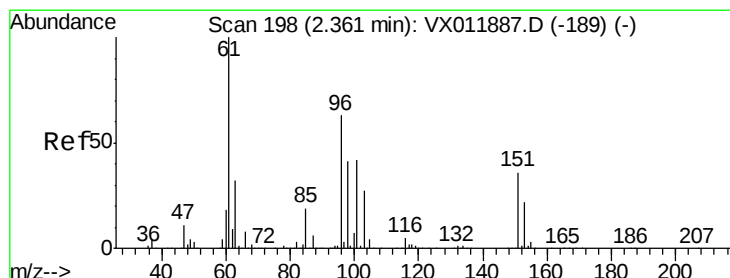
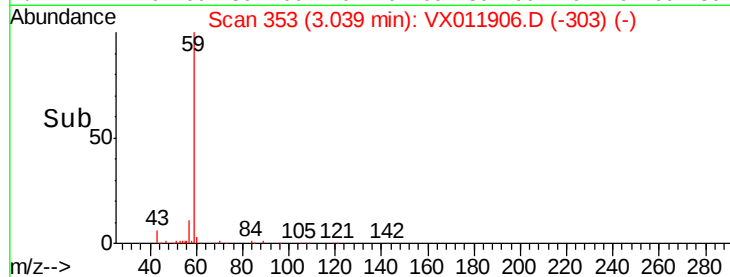
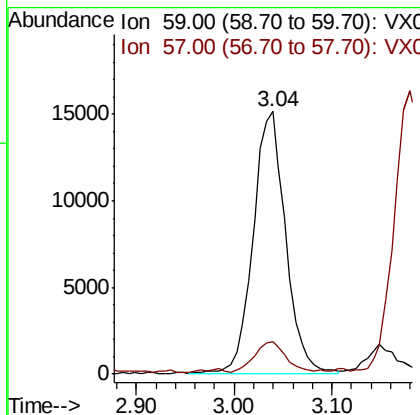
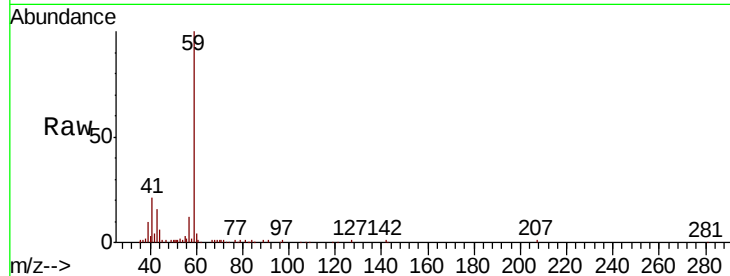
Tert butyl alcohol
Concen: 107.974 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	12.8

Manual Integrations
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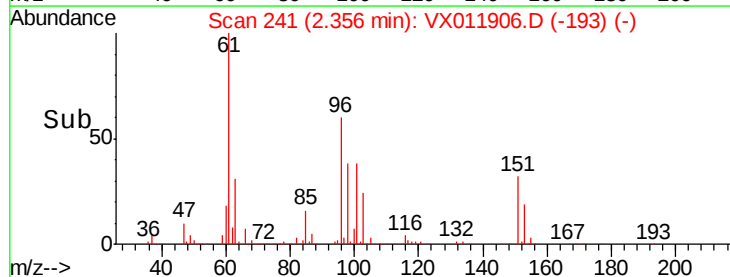
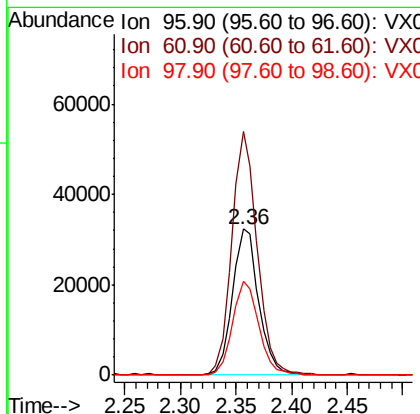
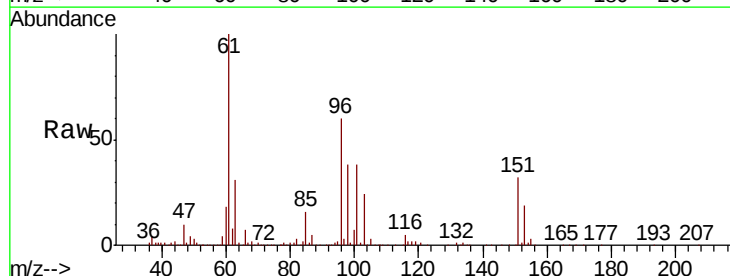
MMDadoda
9/3/2019 2:41:06 AM

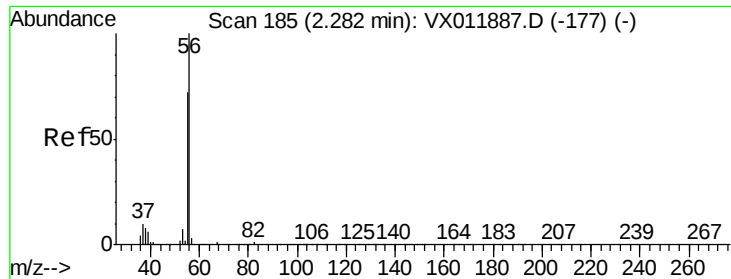


#12

1,1-Dichloroethene
Concen: 21.012 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.3	126.6	190.0
98	64.0	51.6	77.4





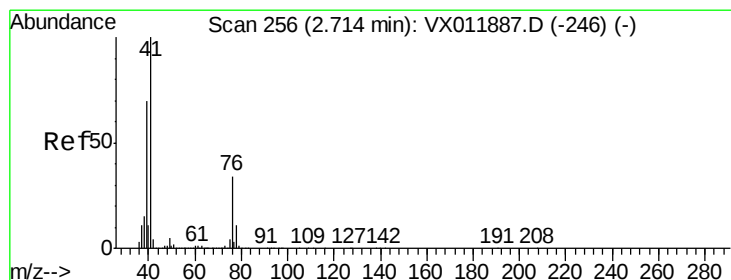
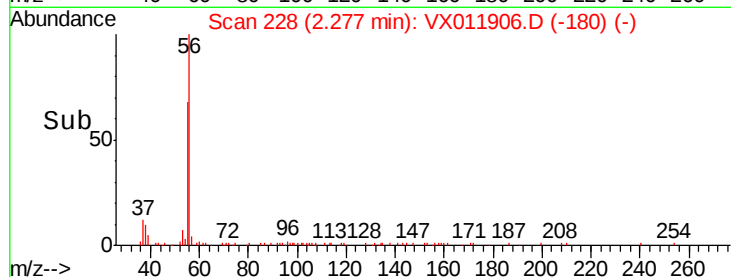
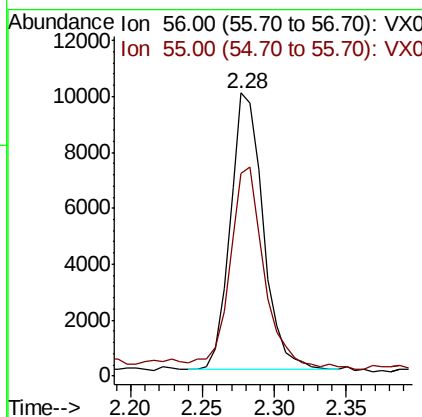
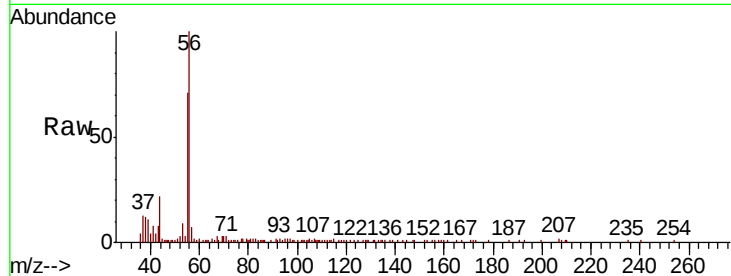
#13
Acrolein
Concen: 97.162 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	77.7	58.6	88.0

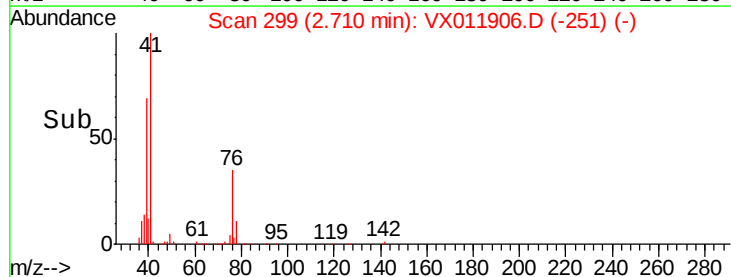
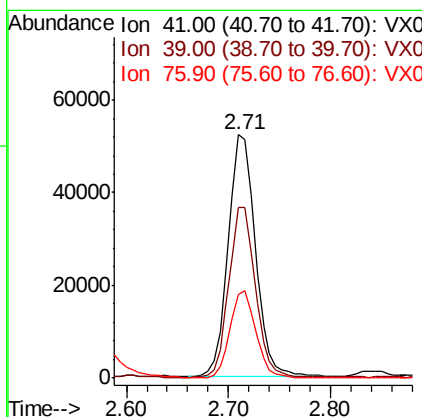
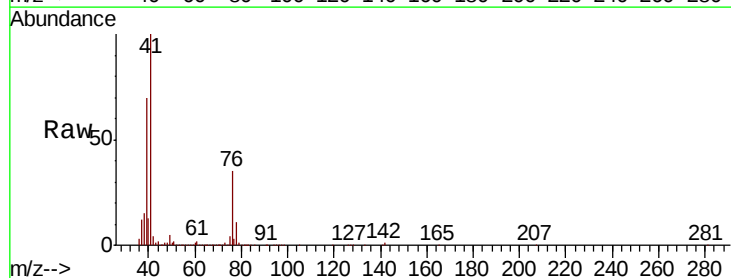
Manual Integrations
APPROVED

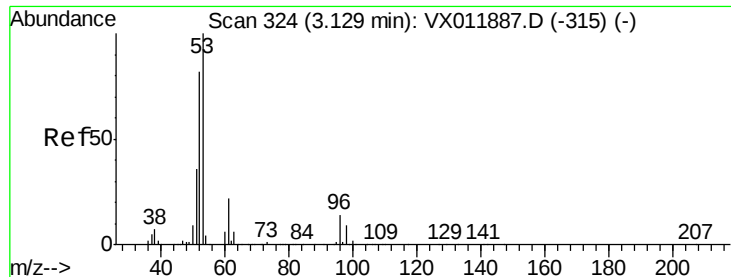
MMDadoda
9/3/2019 2:41:06 AM



#14
Allyl chloride
Concen: 20.687 ug/l
RT: 2.71 min Scan# 299
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.8	55.0	82.6
76	34.4	27.0	40.4





#15

Acrylonitrile

Concen: 107.672 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

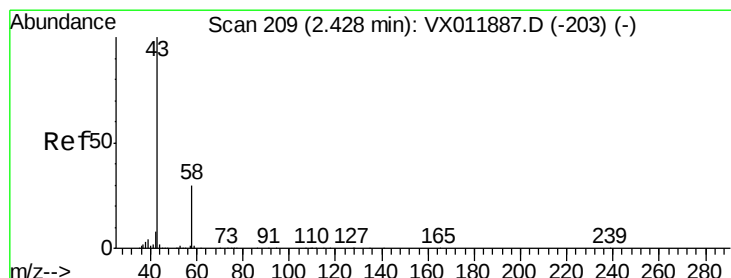
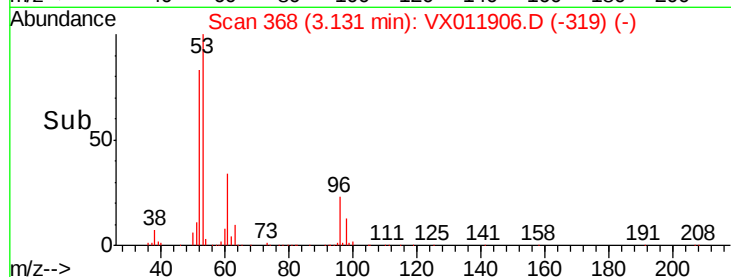
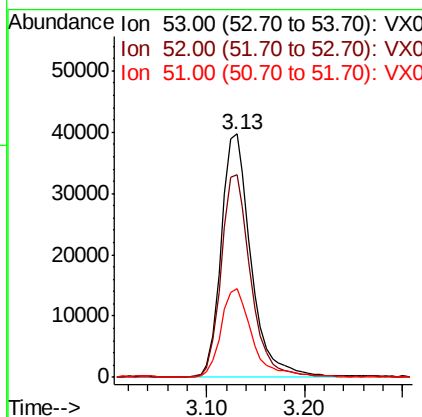
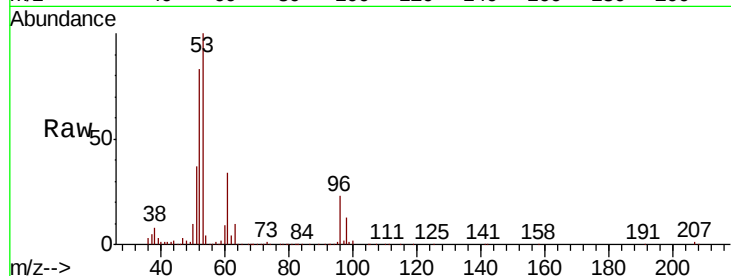
ClientSampleId :

VX0830SBS01

Tot Ion:	53	Resp:	83630
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.3	97.9
51	37.7	29.4	44.2

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:41:06 AM



#16

Acetone

Concen: 104.318 ug/l

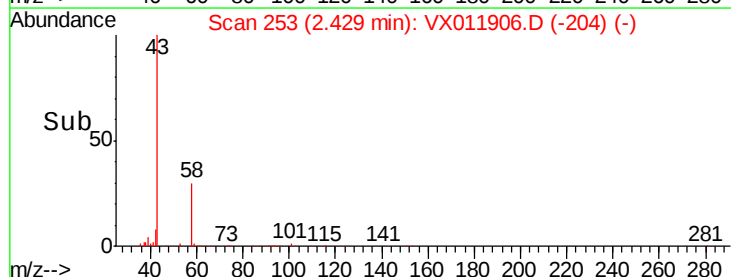
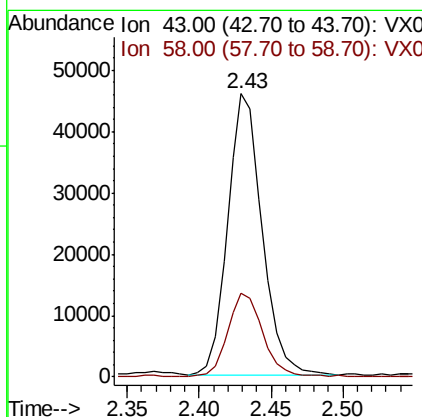
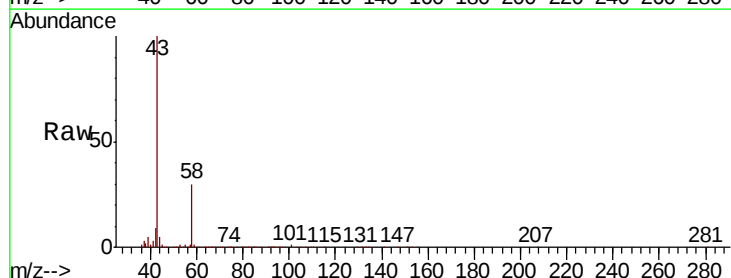
RT: 2.43 min Scan# 253

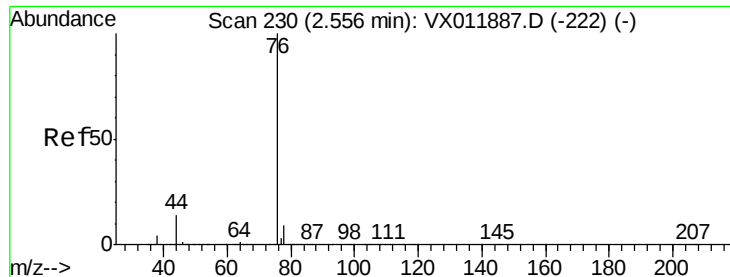
Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Tgt Ion:	43	Resp:	76257
Ion Ratio	Lower	Upper	
43	100		
58	29.5	23.8	35.8





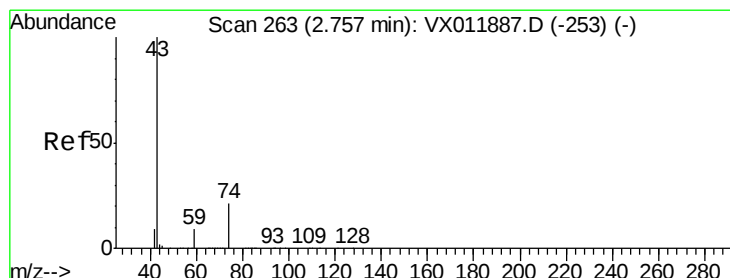
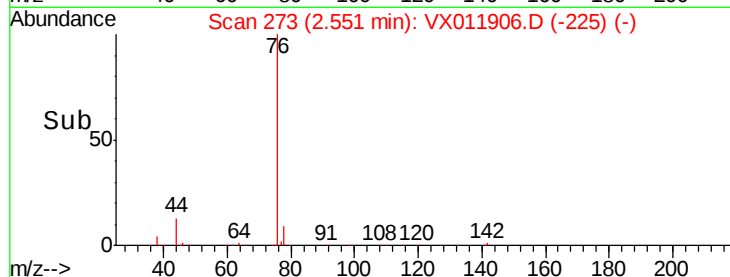
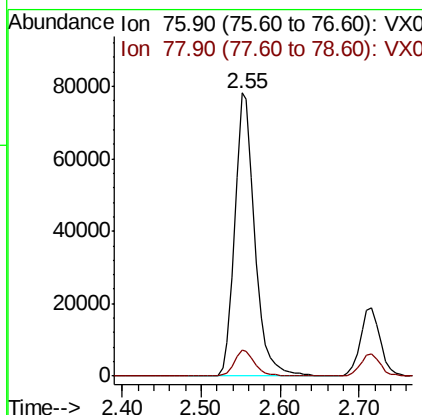
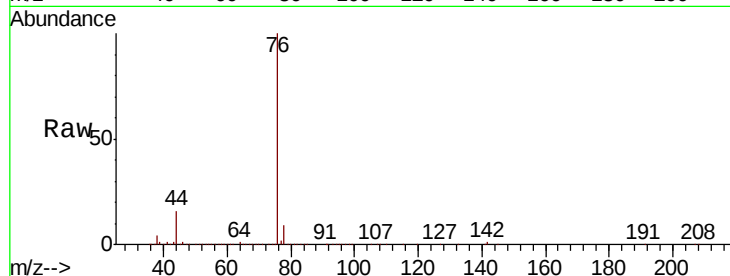
#17
Carbon Disulfide
Concen: 19.345 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

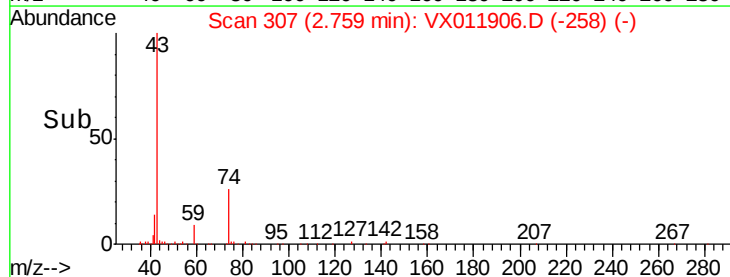
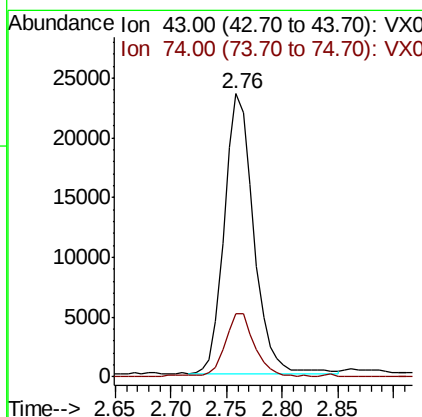
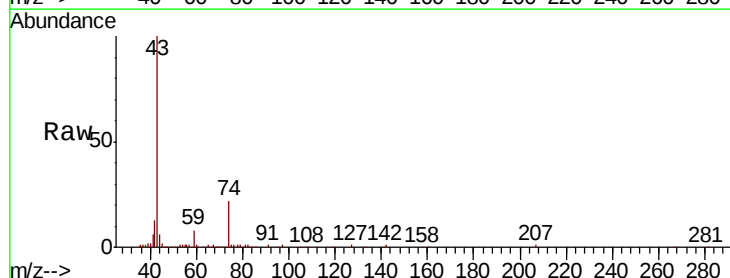
Manual Integrations
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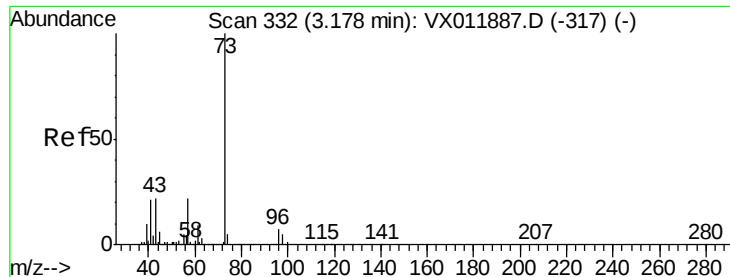
MMDadoda
9/3/2019 2:41:06 AM



#18
Methyl Acetate
Concen: 21.245 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.4	27.6





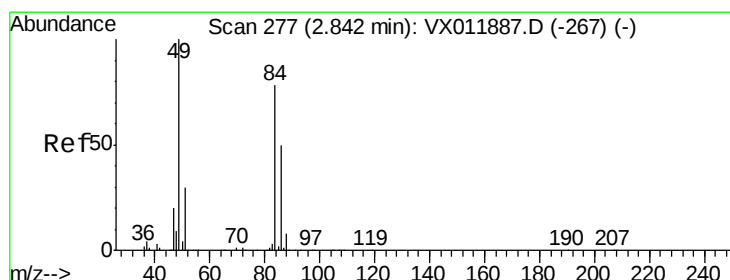
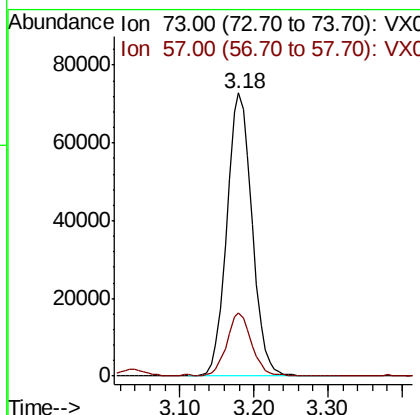
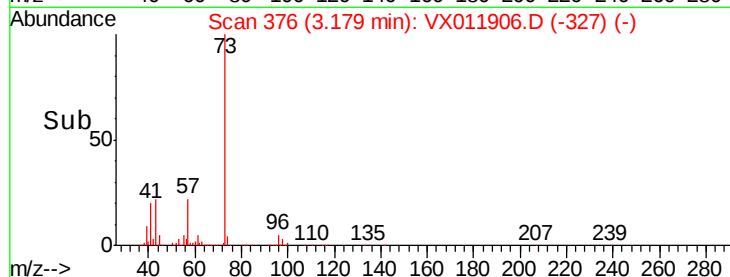
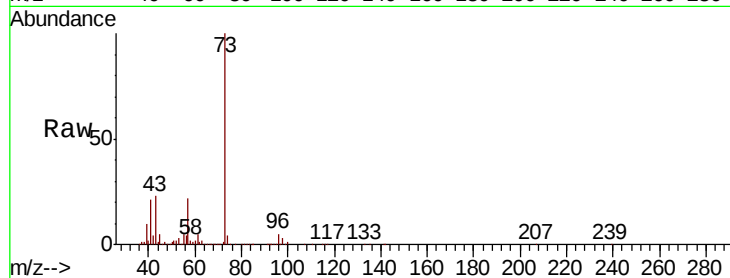
#19
Methvl tert-butvl Ether
Concen: 21.293 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion: 73 Resp: 171806
Ion Ratio Lower Upper
73 100
57 22.1 17.4 26.0

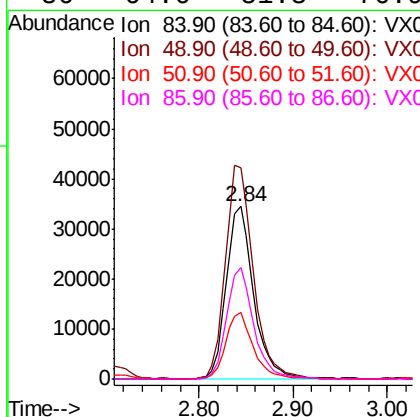
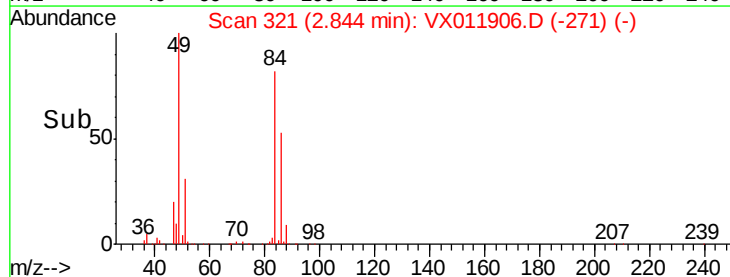
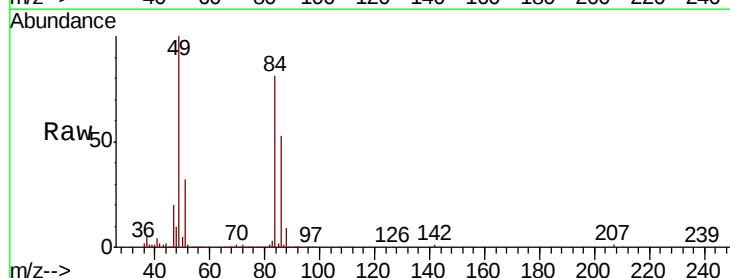
Manual Integrations
APPROVED

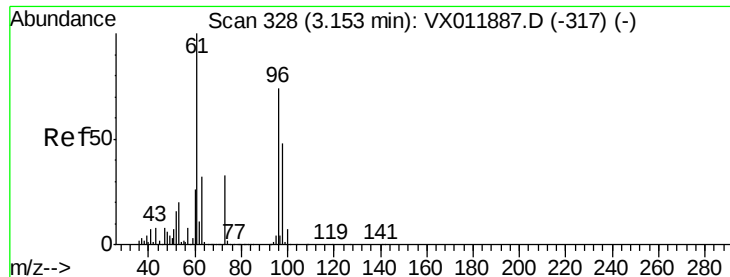
MMDadoda
9/3/2019 2:41:06 AM



#20
Methylene Chloride
Concen: 19.364 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion: 84 Resp: 69785
Ion Ratio Lower Upper
84 100
49 122.5 103.0 154.4
51 38.5 30.8 46.2
86 64.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.946 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

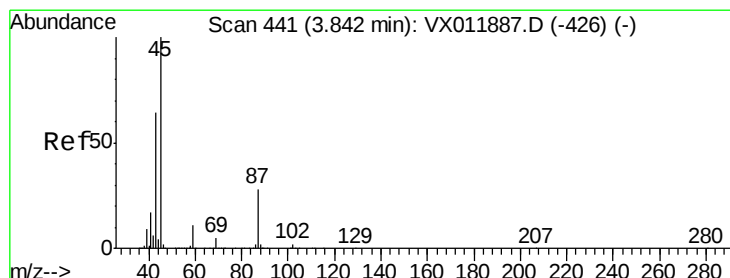
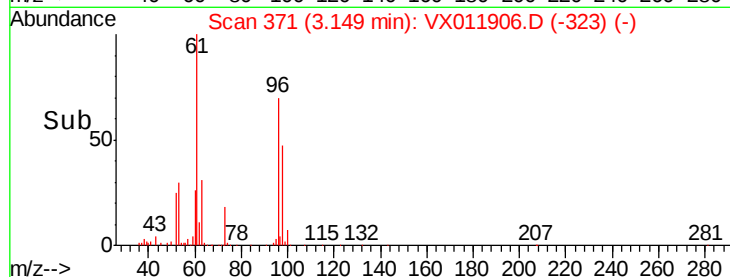
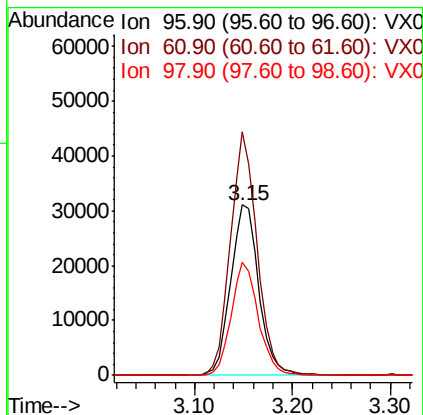
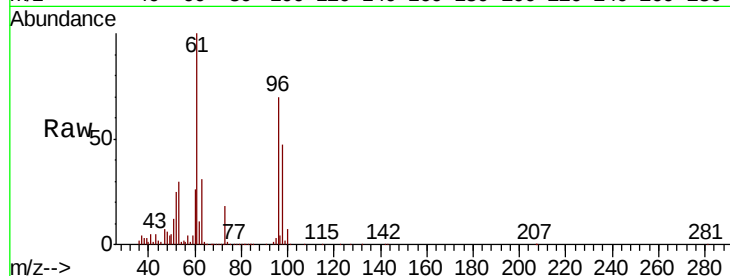
ClientSampleId :

VX0830SBS01

Tot Ion:	96	Resp:	61451
Ion	Ratio	Lower	Upper
96	100		
61	143.1	107.4	161.2
98	66.8	51.4	77.2

Manual Integrations
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MMDadoda
9/3/2019 2:41:06 AM



#22

Diisopropyl ether

Concen: 21.180 ug/l

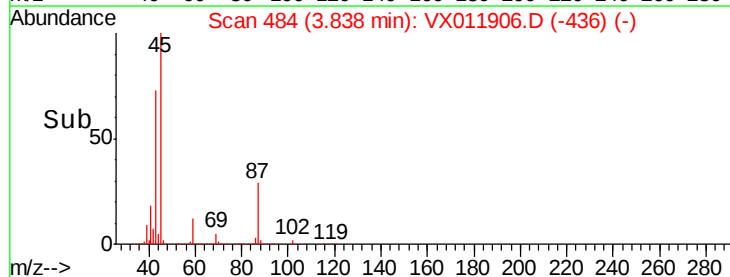
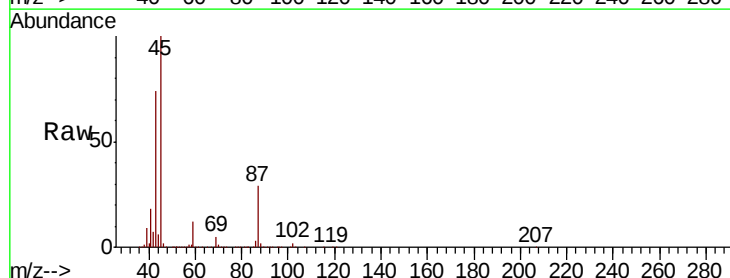
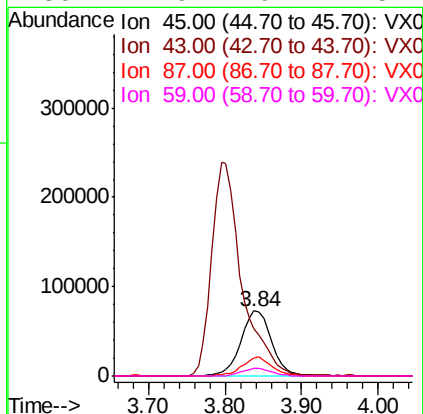
RT: 3.84 min Scan# 484

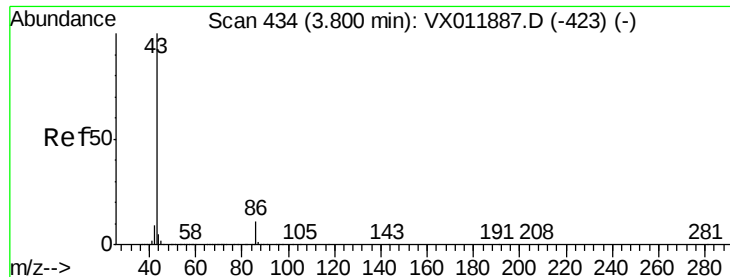
Delta R.T. -0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Tgt Ion:	45	Resp:	202010
Ion	Ratio	Lower	Upper
45	100		
43	72.9	51.0	76.6
87	28.5	22.0	33.0
59	11.9	9.1	13.7





#23

Vinyl Acetate

Concen: 107.096 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 43 Resp: 656725

Ion Ratio Lower Upper

43 100

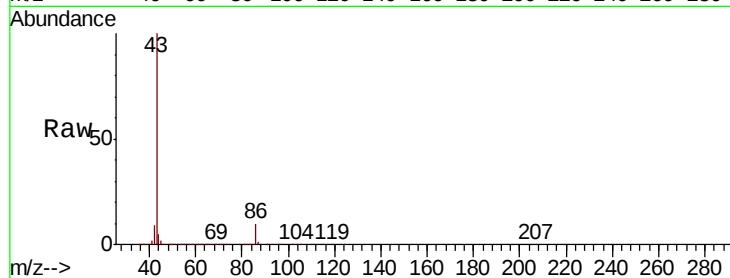
86 10.4 8.6 12.8

Manual Integrations

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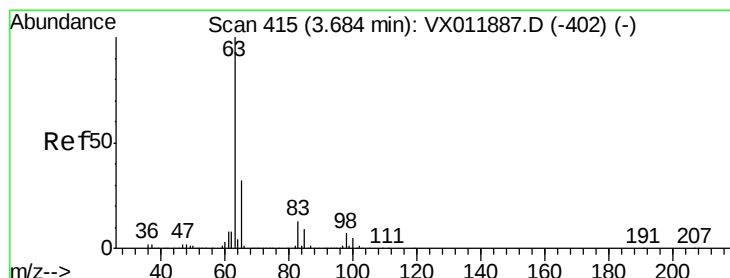
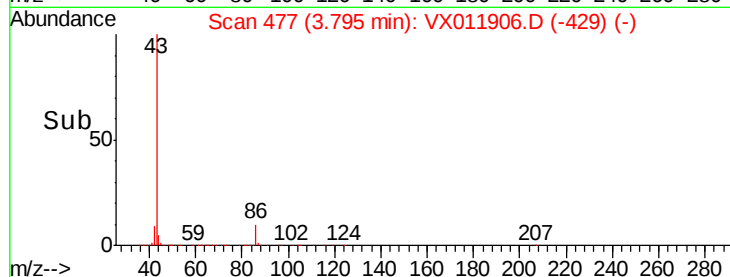
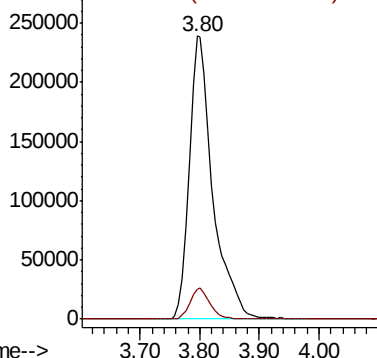
MMDadoda

9/3/2019 2:41:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.877 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

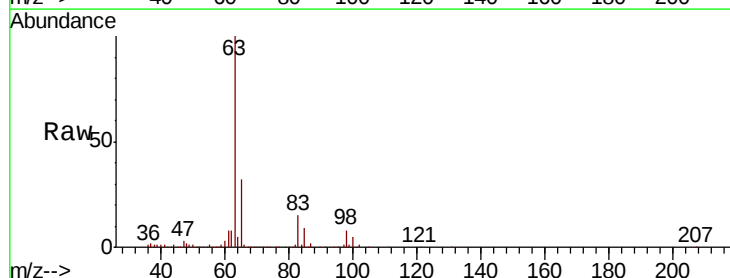
Tgt Ion: 63 Resp: 109803

Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.2

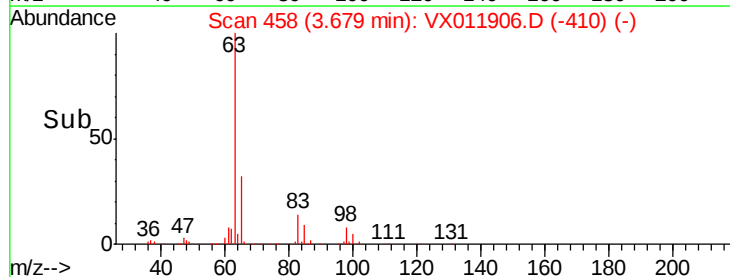
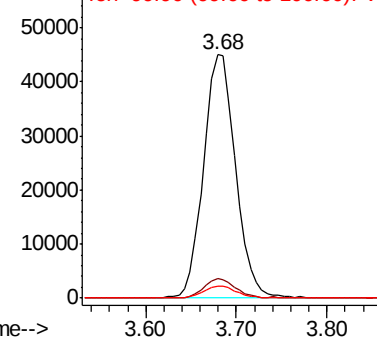
100 4.8 2.4 7.2

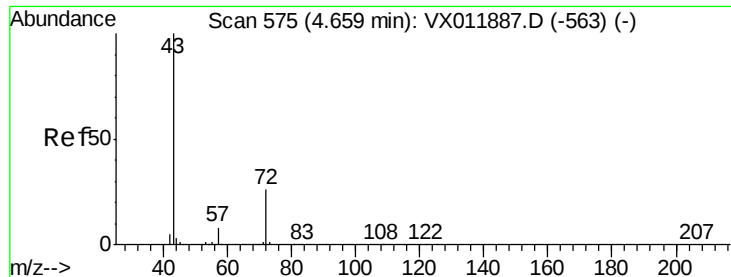


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 107.180 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 43 Resp: 114112

Ion Ratio Lower Upper

43 100

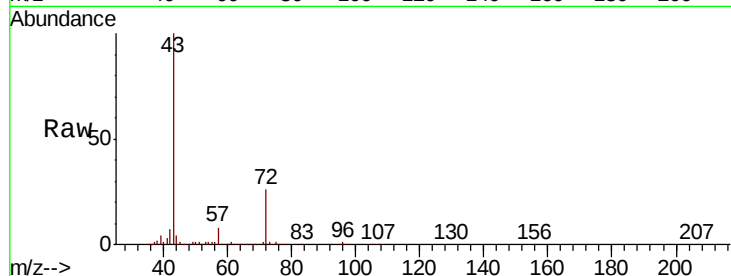
72 25.9 21.0 31.4

Manual Integrations

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9/3/2019 2:41:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

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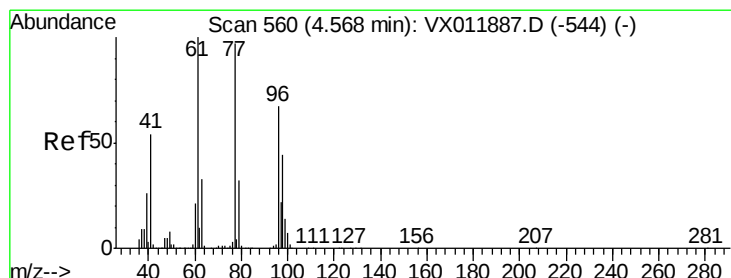
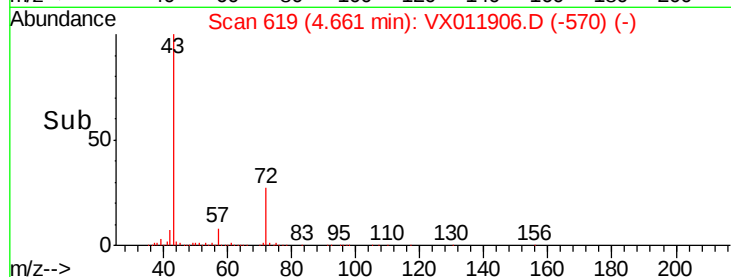
4.66

4.66

4.66

4.66

4.66



#26

2,2-Dichloropropane

Concen: 21.773 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX011906.D

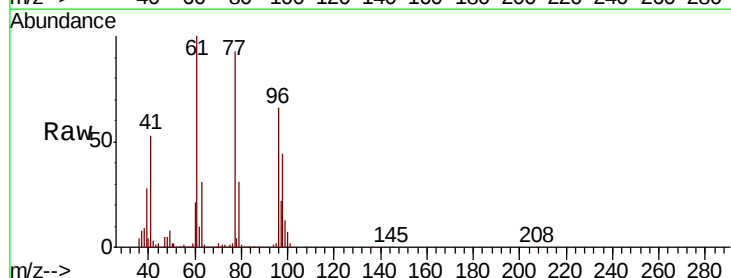
Acq: 30 Aug 2019 13:40

Tgt Ion: 77 Resp: 96048

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

4.57

4.57

4.57

4.57

4.57

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4.57

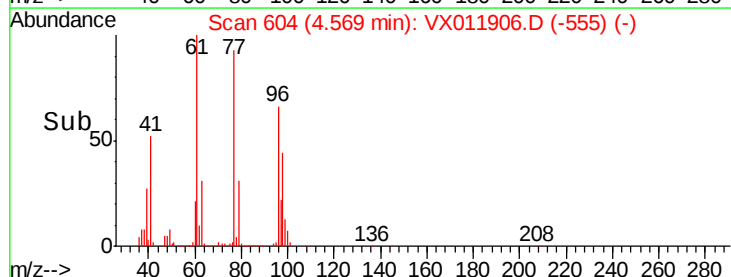
4.57

4.57

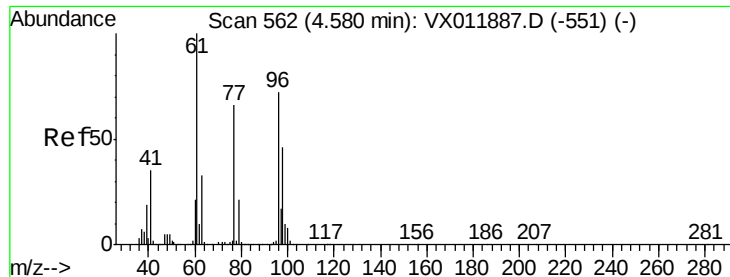
4.57

4.57

4.57



Time-->



#27

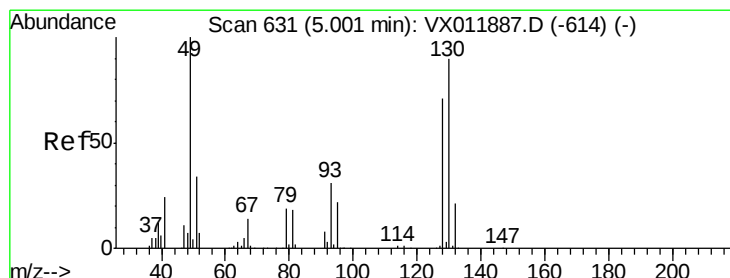
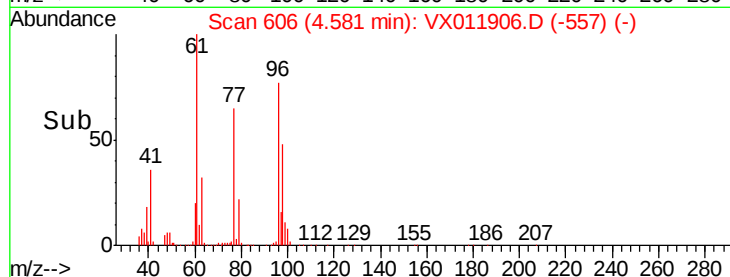
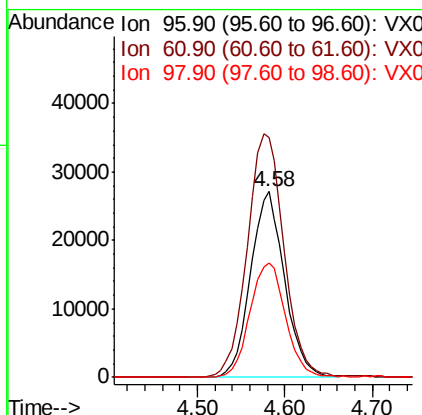
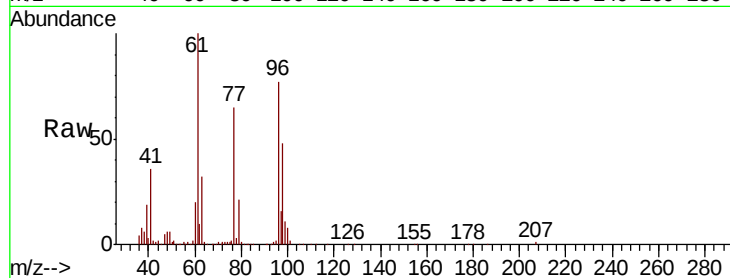
cis-1,2-Dichloroethene
Concen: 21.268 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	73497		
61	141.6		0.0	283.8
98	64.7		0.0	131.2

Manual Integrations
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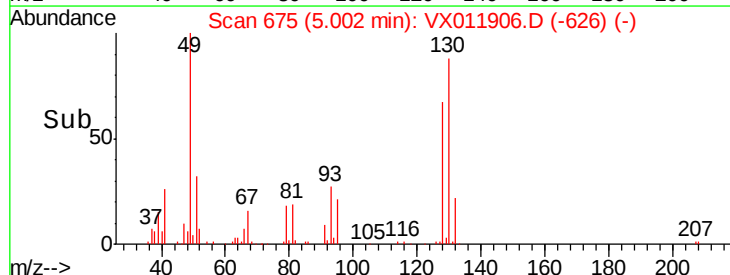
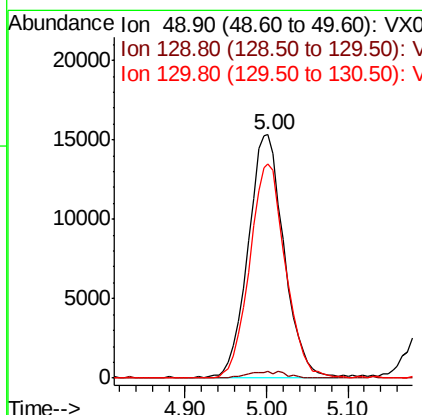
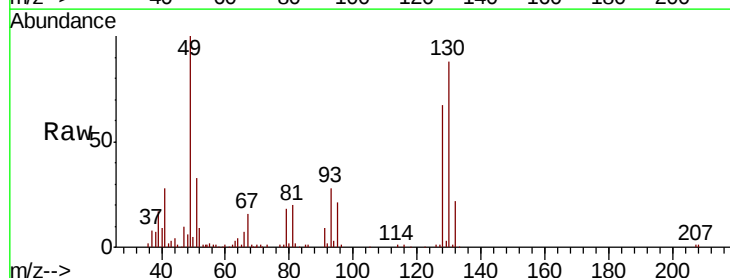
MMDadoda
9/3/2019 2:41:06 AM

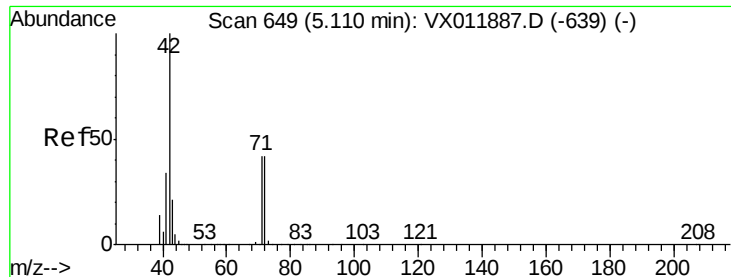


#28

Bromochloromethane
Concen: 19.919 ug/l
RT: 5.00 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	47010		
129	2.8		0.0	4.8
130	87.9		70.6	105.8





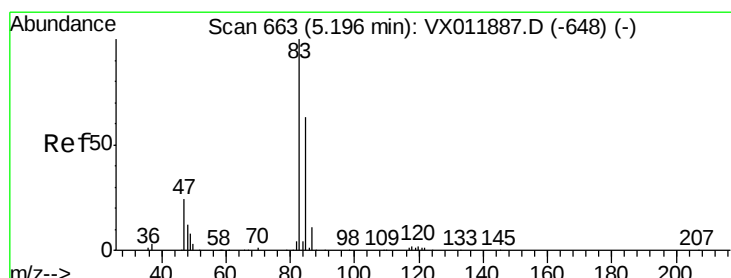
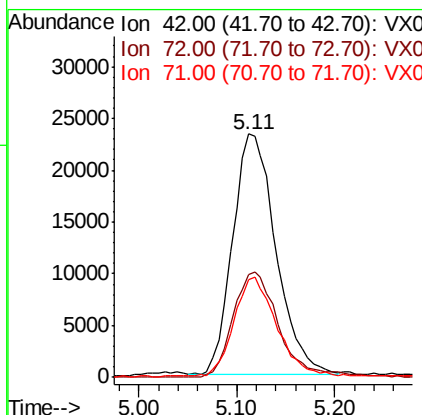
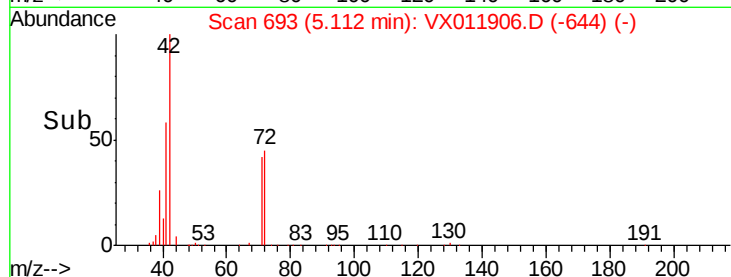
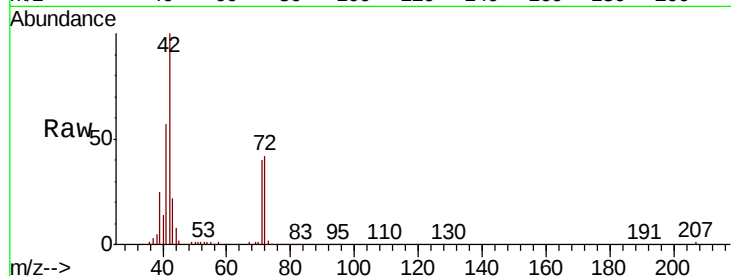
#29
Tetrahydrofuran
Concen: 107.483 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.2	54.4
71	41.6	33.1	49.7

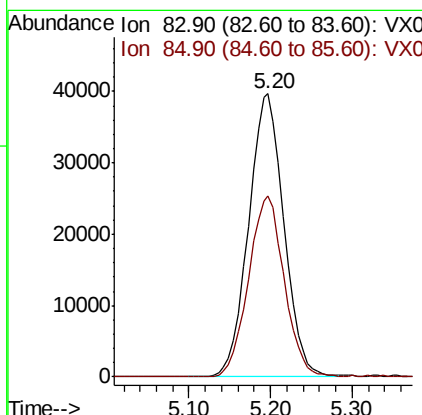
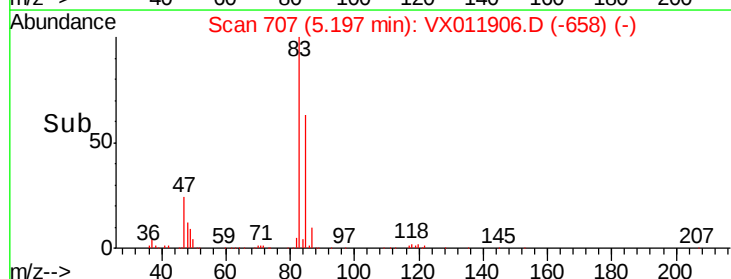
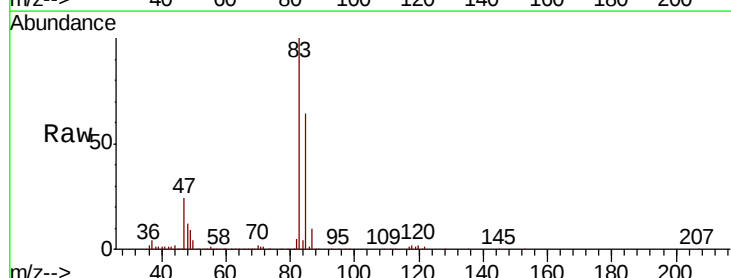
Manual Integrations
APPROVED

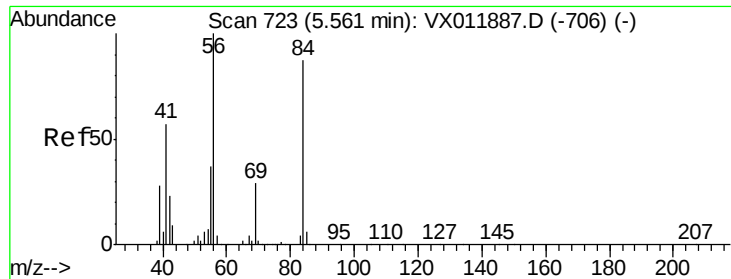
MMDadoda
9/3/2019 2:41:06 AM



#30
Chloroform
Concen: 21.166 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	75.8





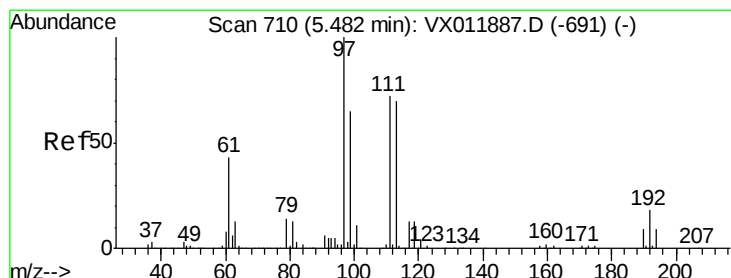
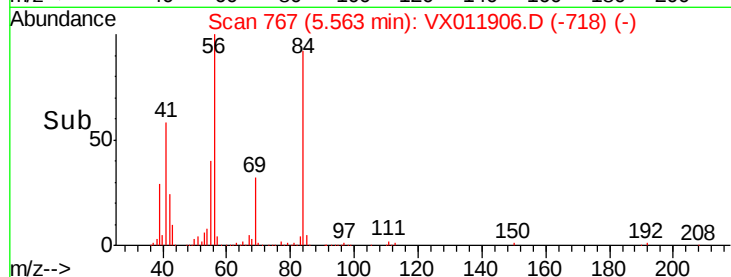
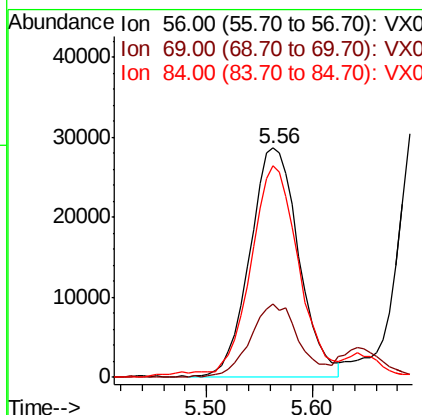
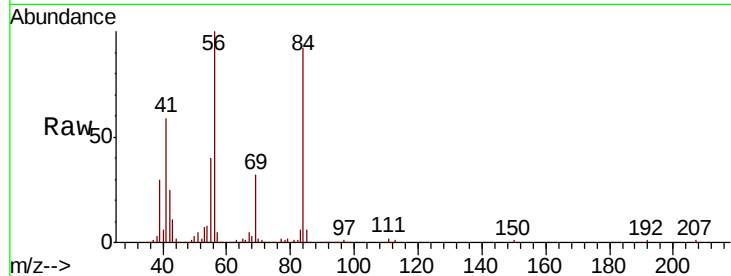
#31
Cvclohexane
Concen: 21.566 ug/l
RT: 5.56 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	23.1	34.7
84	90.4	69.6	104.4

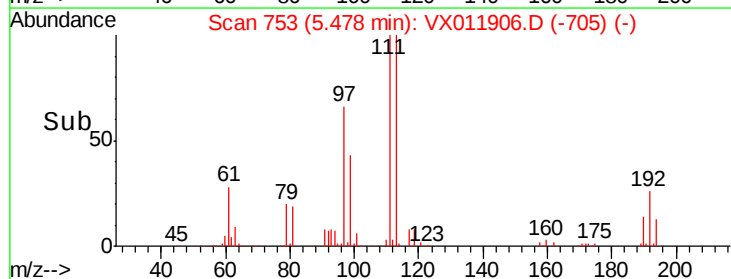
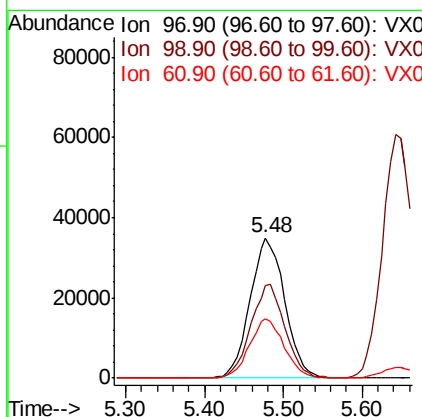
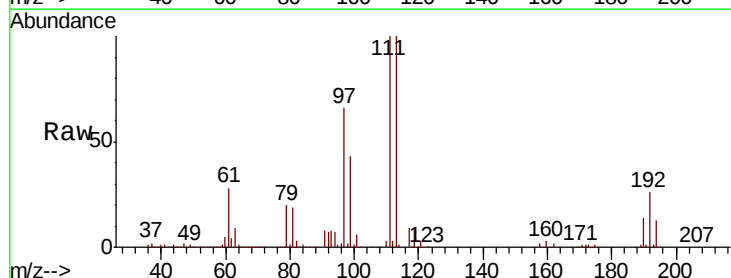
Manual Integrations
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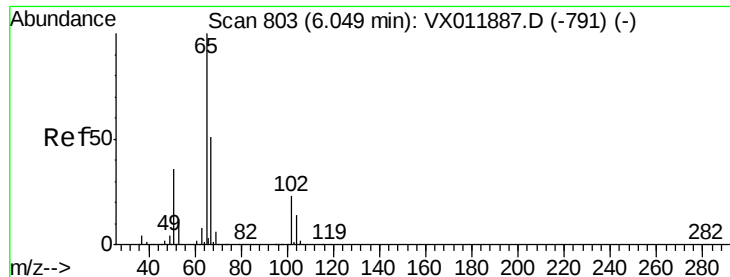
MMDadoda
9/3/2019 2:41:06 AM



#32
1,1,1-Trichloroethane
Concen: 21.345 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.8	77.8
61	42.3	33.8	50.6





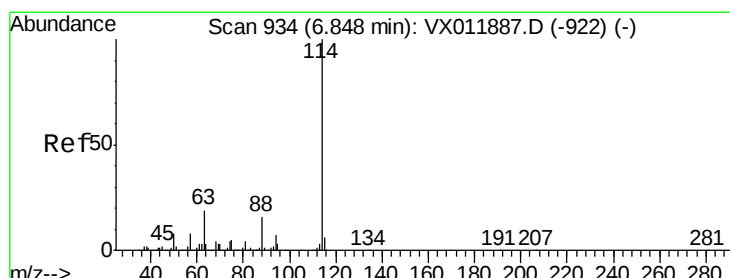
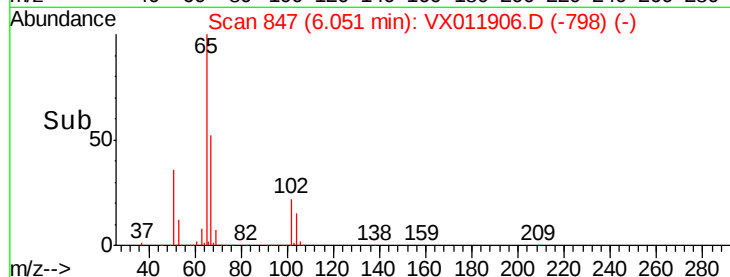
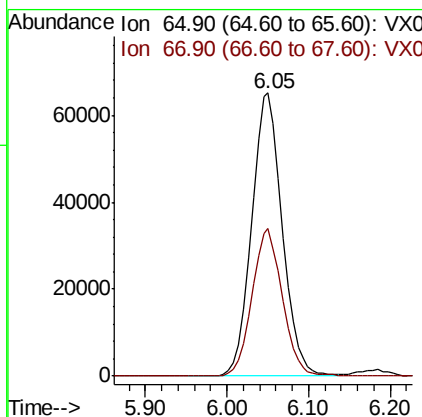
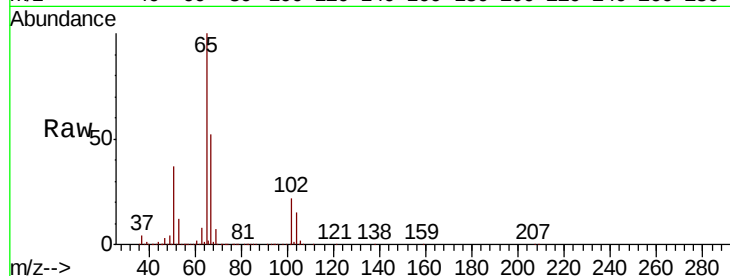
#33
 1,2-Dichloroethane-d4
 Concen: 50.034 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169992		
67	51.2	0.0	102.2	

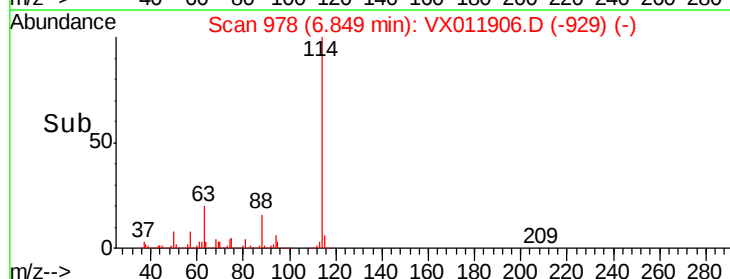
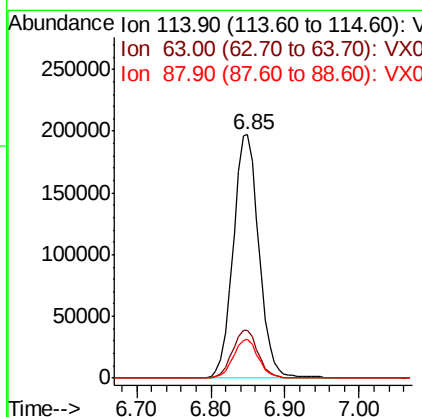
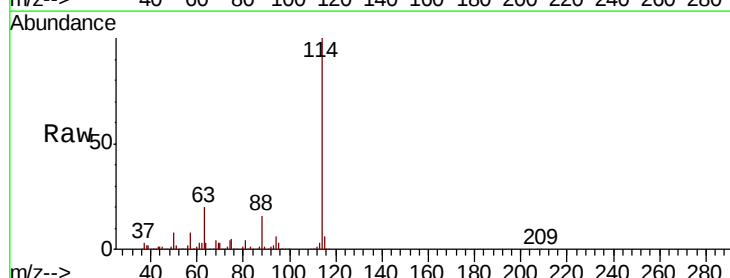
Manual Integrations
 APPROVED

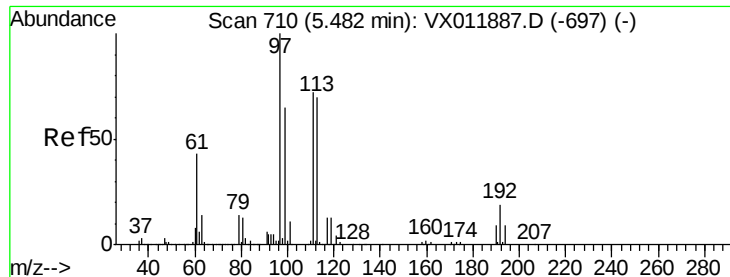
MMDadoda
 9/3/2019 2:41:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	478627		
63	19.8	0.0	38.8	
88	16.1	0.0	31.2	





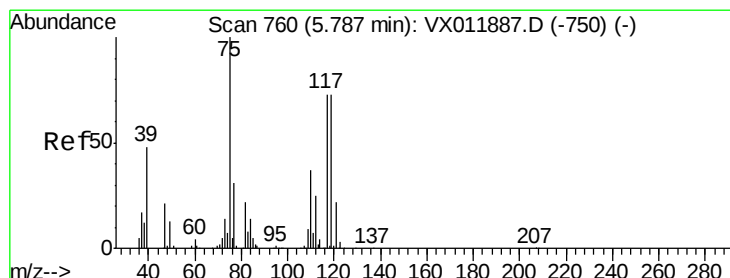
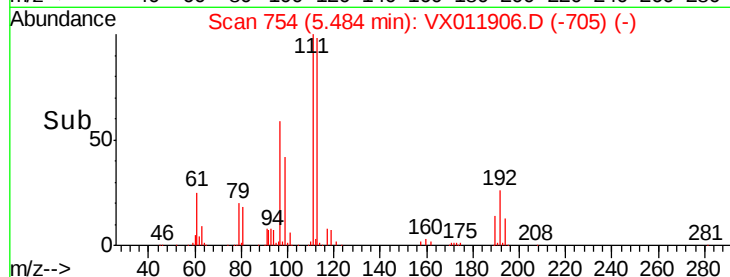
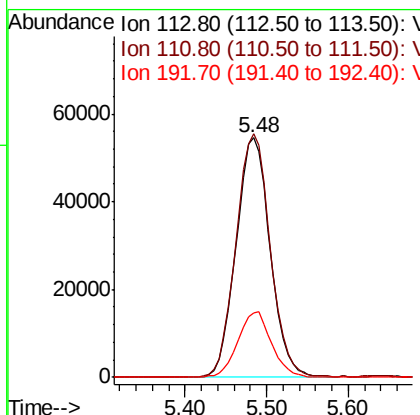
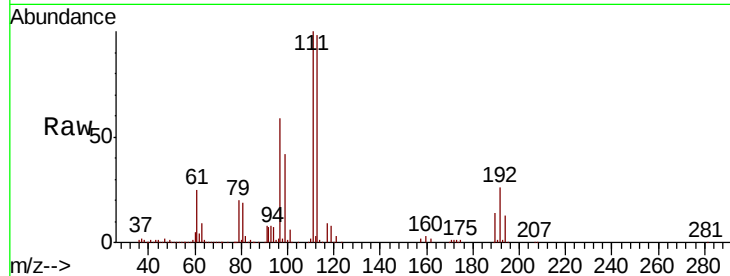
#35
 Dibromofluoromethane
 Concen: 51.536 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	158171		
111	102.3	82.1	123.1	
192	27.0	21.5	32.3	

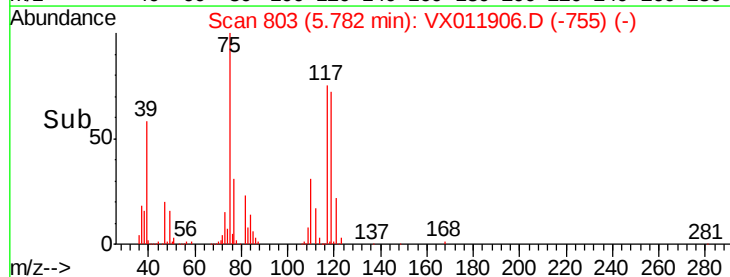
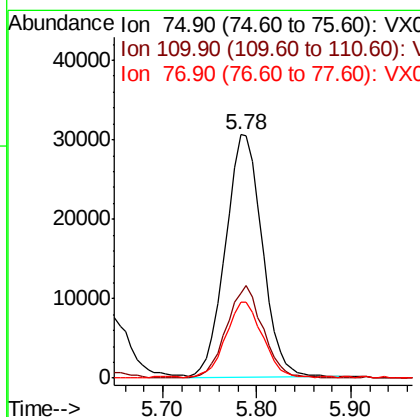
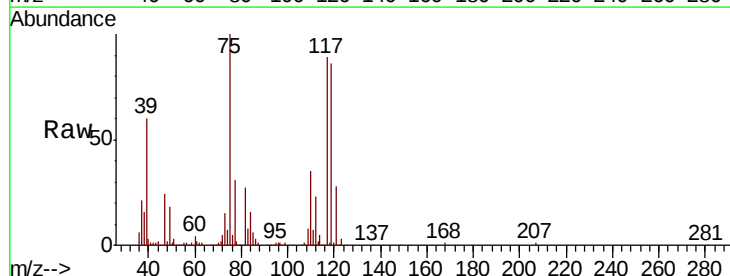
Manual Integrations
 APPROVED

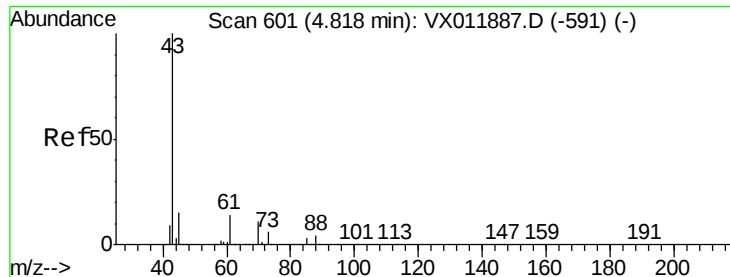
MMDadoda
 9/3/2019 2:41:06 AM



#36
 1,1-Dichloropropene
 Concen: 21.914 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83096		
110	37.9	19.1	57.3	
77	31.1	24.4	36.6	





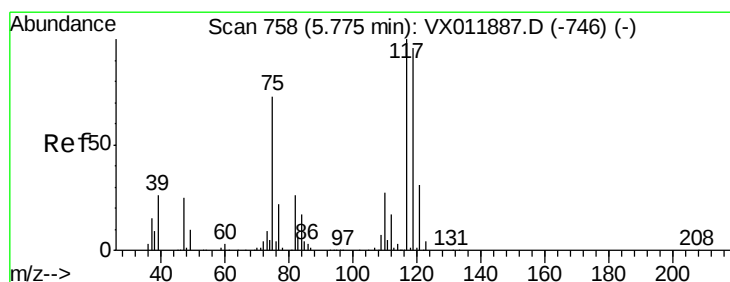
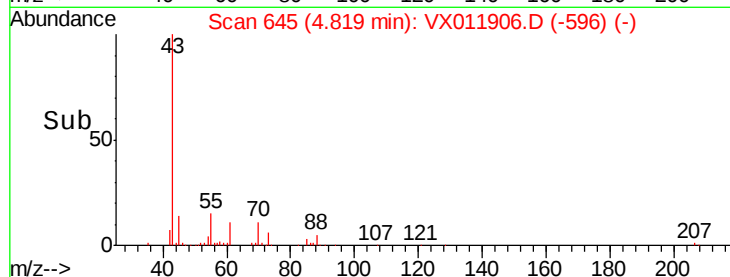
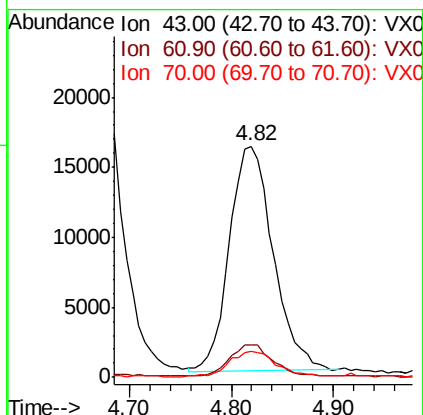
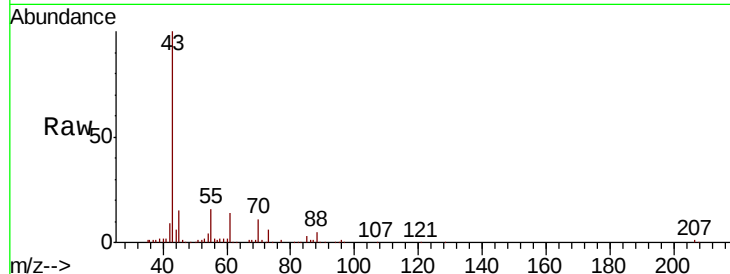
#37
Ethyl Acetate
Concen: 21.259 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.4
70	12.9	9.2	13.8

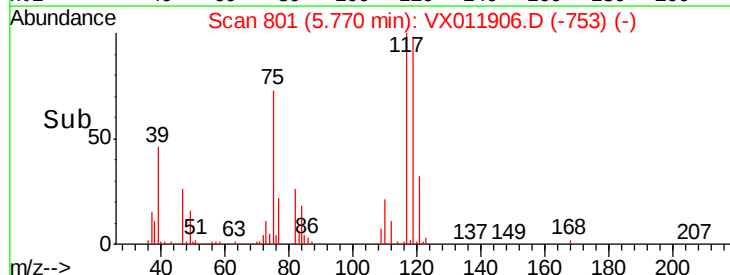
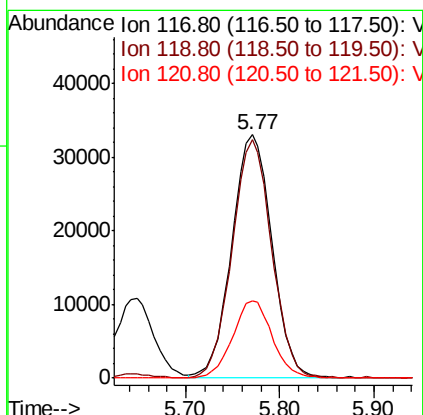
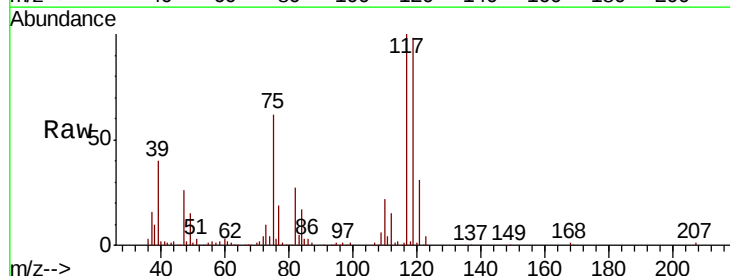
Manual Integrations
APPROVED

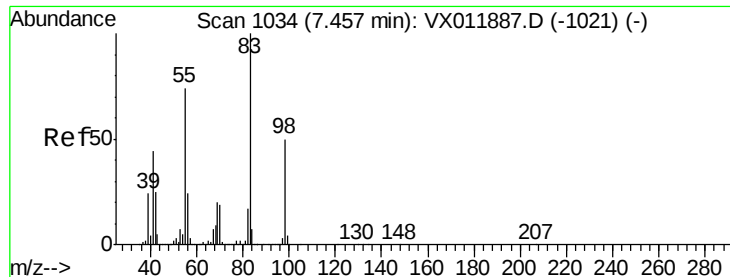
MMDadoda
9/3/2019 2:41:06 AM



#38
Carbon Tetrachloride
Concen: 22.348 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.6	114.8
121	31.5	24.7	37.1





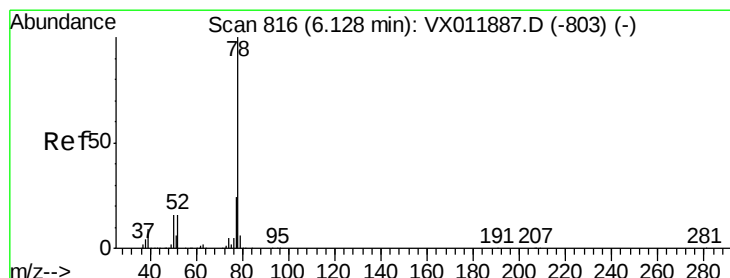
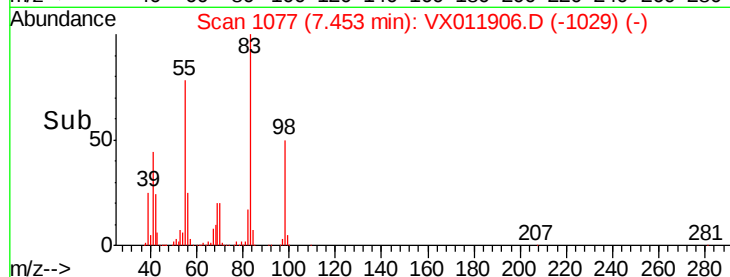
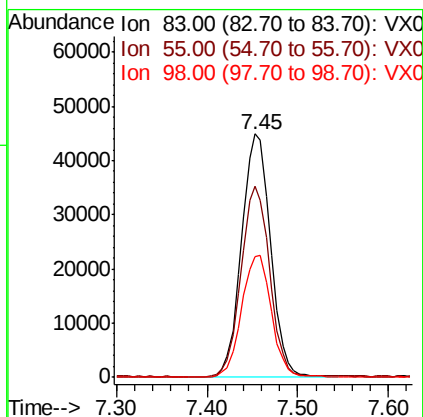
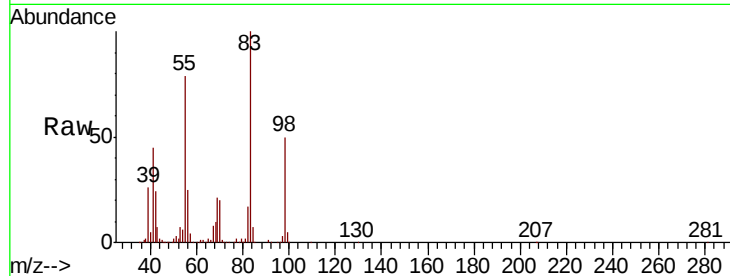
#39
Methylvlcyclohexane
Concen: 22.131 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	59.4	89.0
98	49.6	40.3	60.5

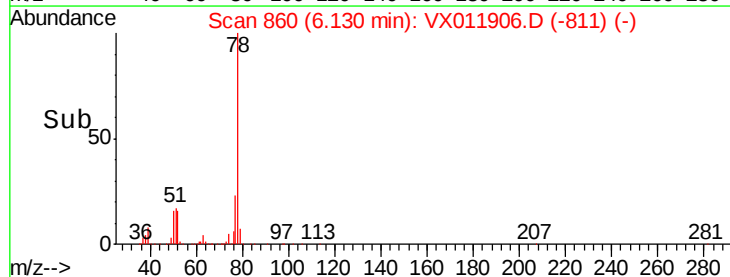
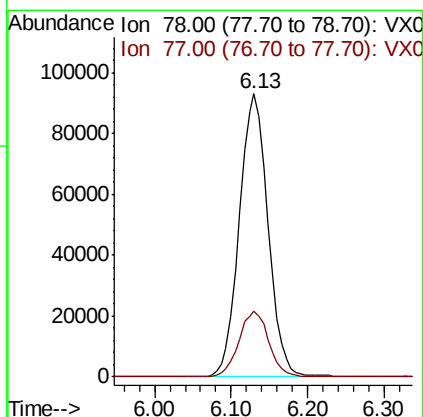
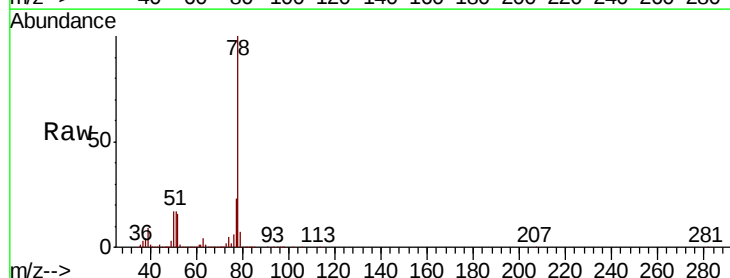
Manual Integrations
APPROVED

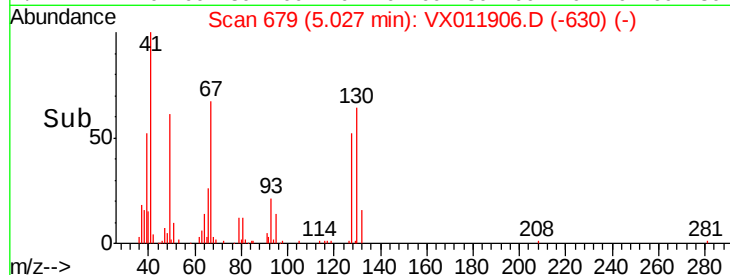
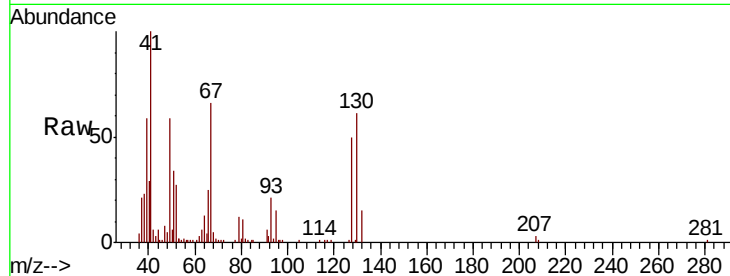
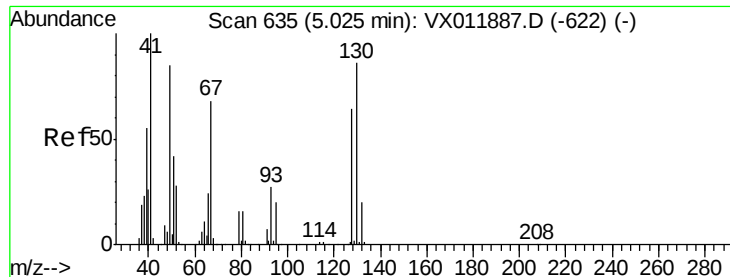
MMDadoda
9/3/2019 2:41:06 AM



#40
Benzene
Concen: 21.436 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

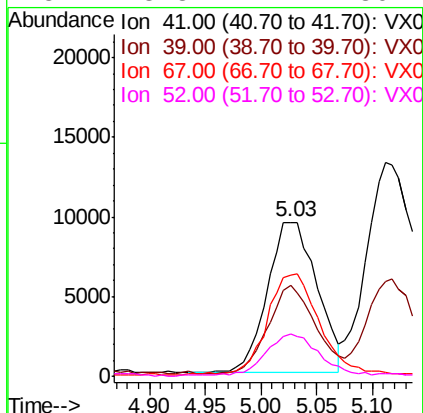
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.6





#41
Methacrylonitrile
Concen: 22.140 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

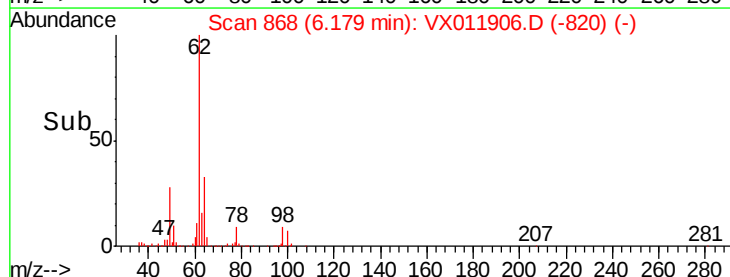
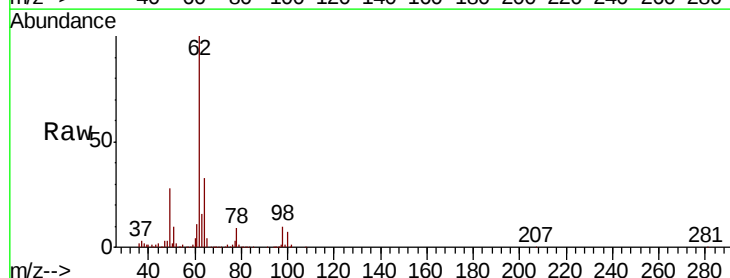
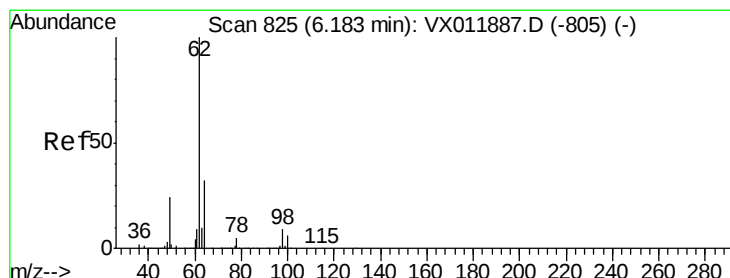
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.6	45.0	67.6	
67	69.1	55.0	82.4	
52	28.8	24.1	36.1	



Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

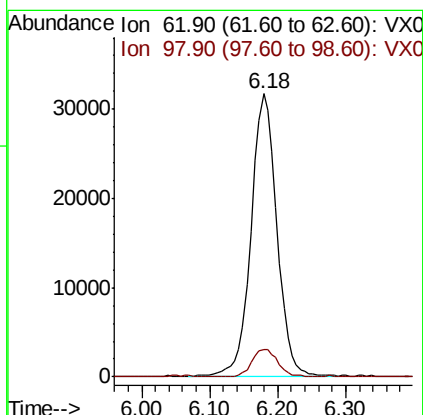
Manual Integrations
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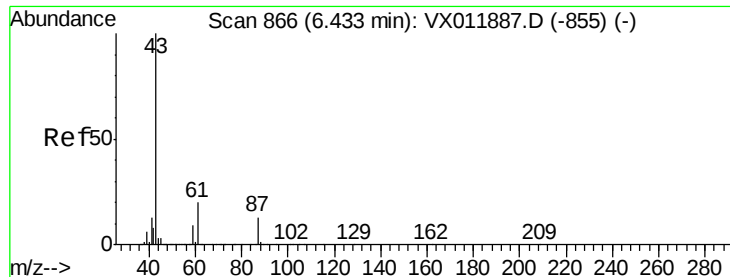
MMDadoda
9/3/2019 2:41:06 AM



#42
1,2-Dichloroethane
Concen: 21.848 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	19.2	





#43

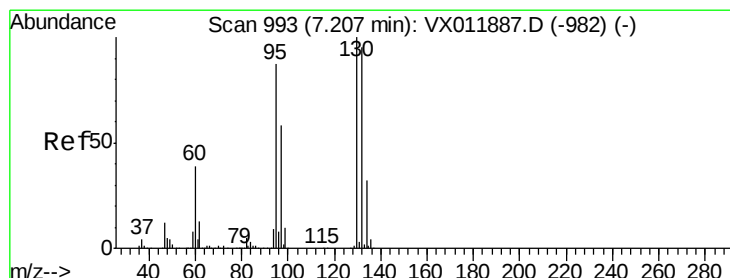
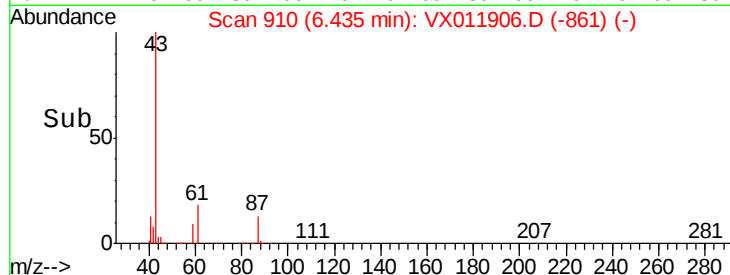
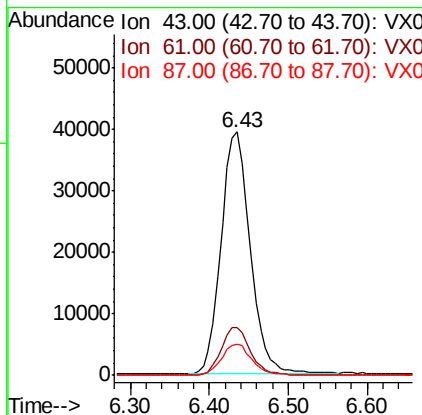
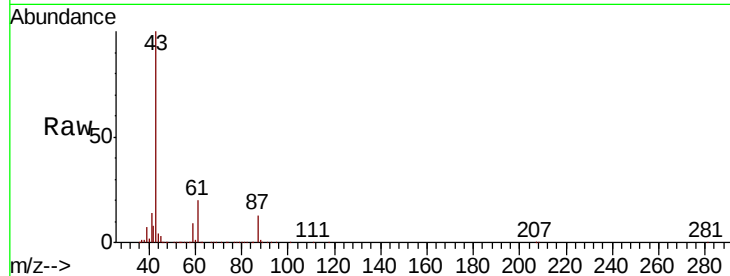
Isopropyl Acetate
 Concen: 22.367 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	13.3	10.6	16.0

Manual Integrations
 APPROVED

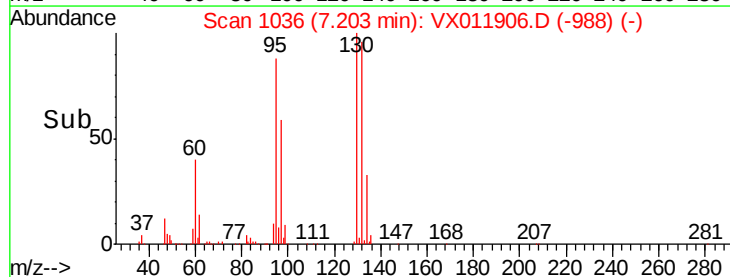
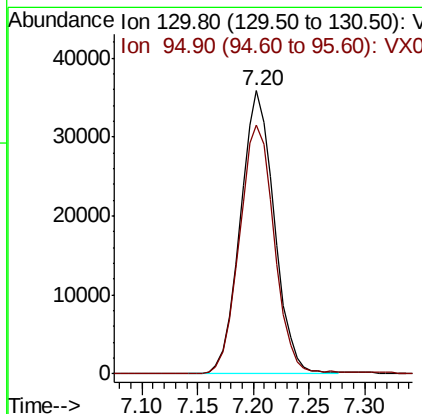
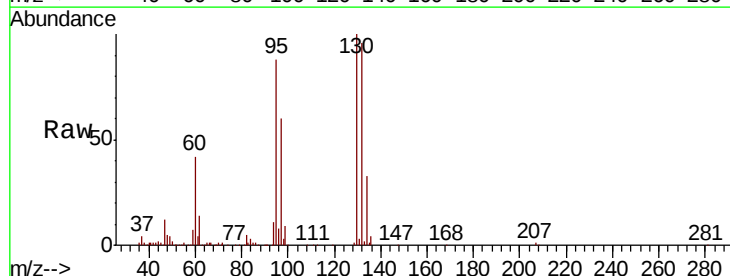
MMDadoda
 9/3/2019 2:41:06 AM

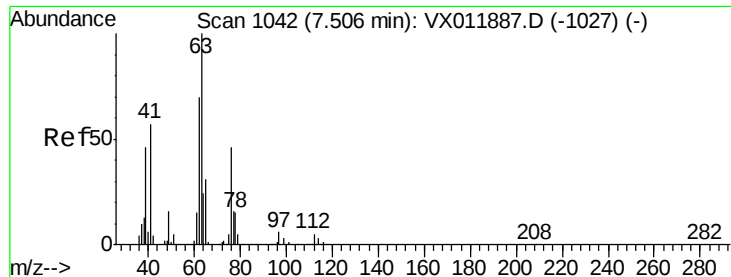


#44

Trichloroethene
 Concen: 21.682 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.6	0.0	174.6





#45

1,2-Dichloropropane

Concen: 21.529 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 63 Resp: 63741

Ion Ratio Lower Upper

63 100

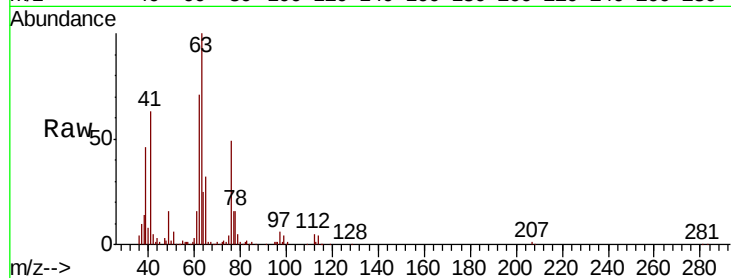
65 31.6 25.1 37.7

Manual Integrations

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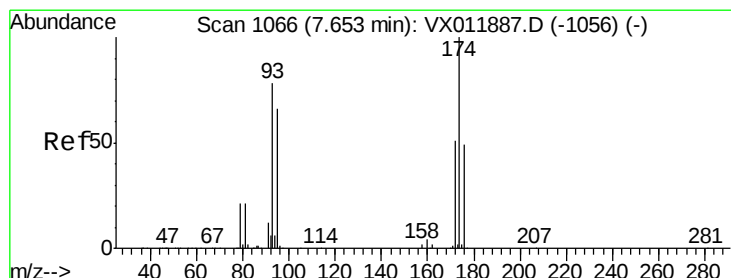
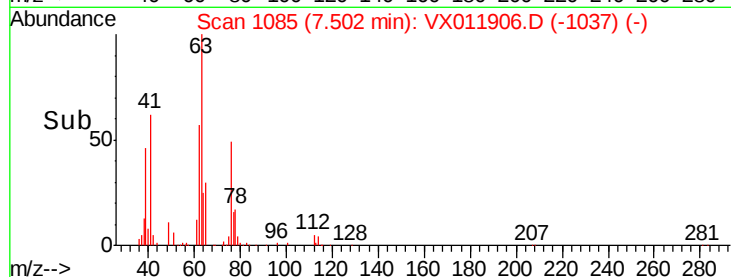
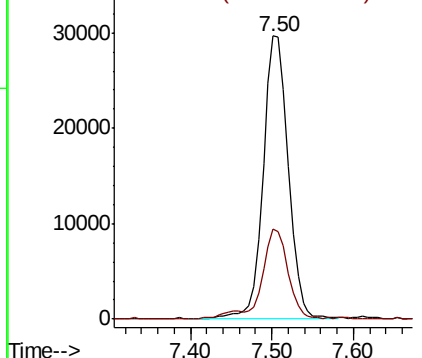
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 21.669 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

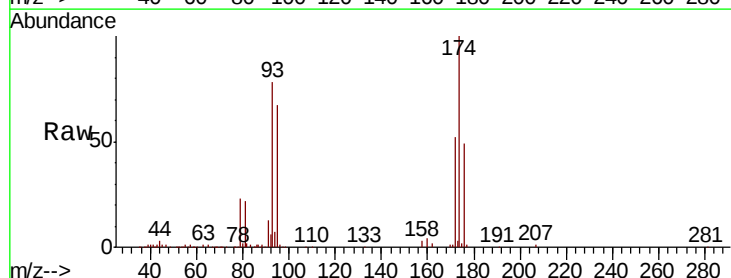
Tgt Ion: 93 Resp: 38075

Ion Ratio Lower Upper

93 100

95 83.9 65.7 98.5

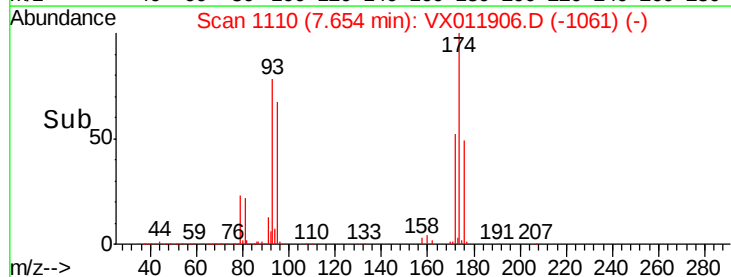
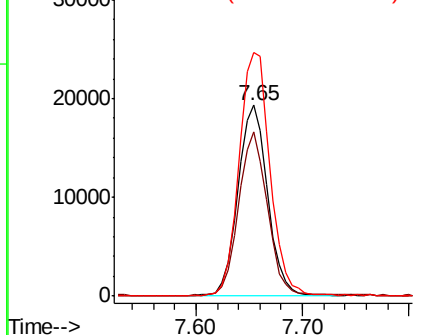
174 132.4 104.2 156.4

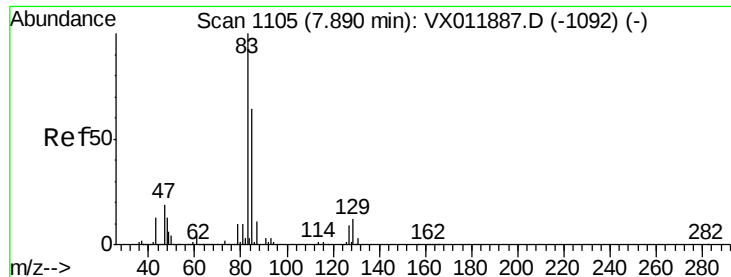


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.660 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

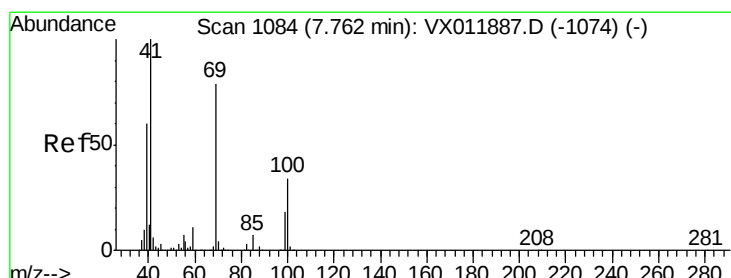
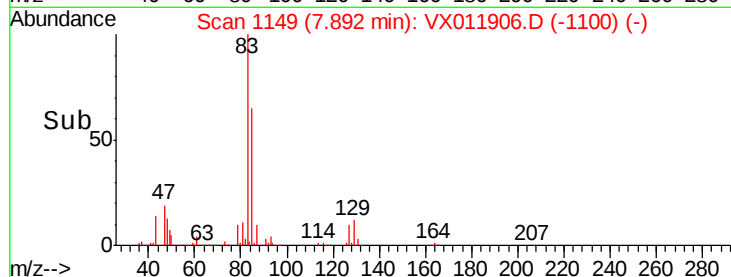
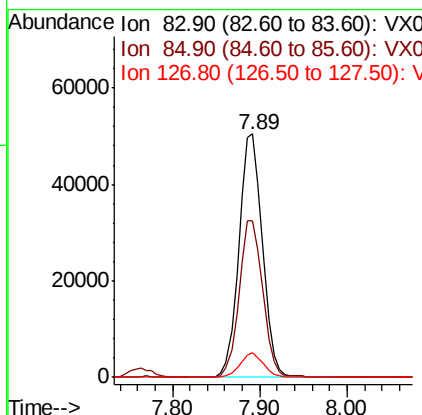
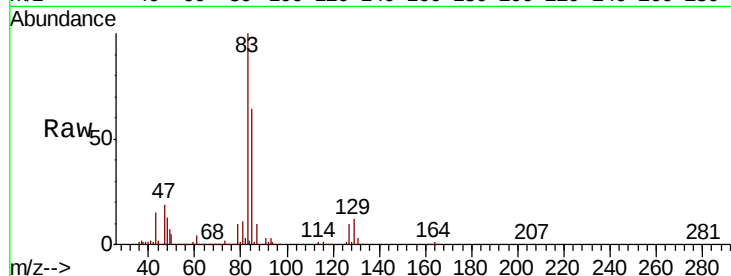
ClientSampleId :

VX0830SBS01

Tot Ion:	83	Resp:	94376
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	10.1	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.160 ug/l

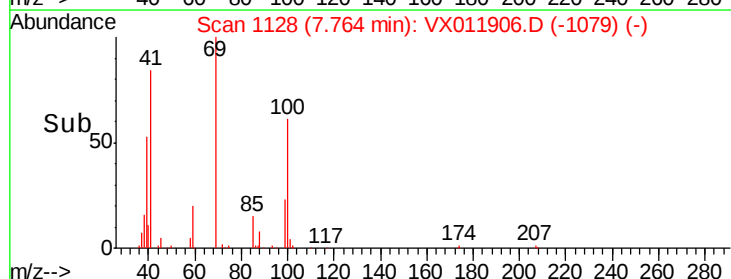
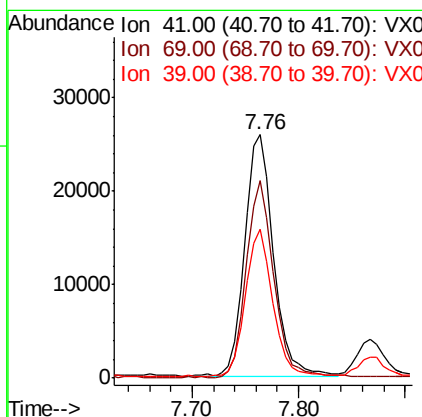
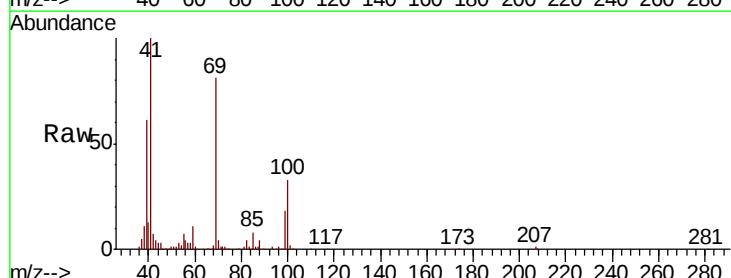
RT: 7.76 min Scan# 1128

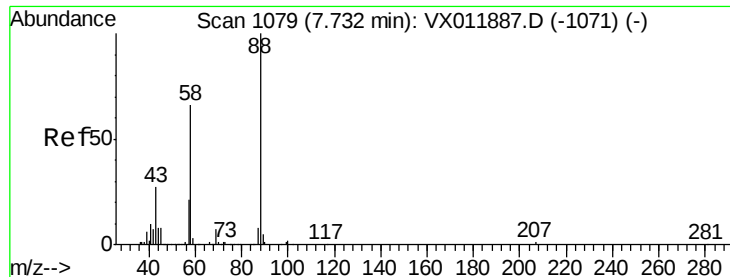
Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Tgt Ion:	41	Resp:	49067
Ion	Ratio	Lower	Upper
41	100		
69	78.1	64.4	96.6
39	58.1	47.2	70.8





#49

1,4-Dioxane

Concen: 452.931 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

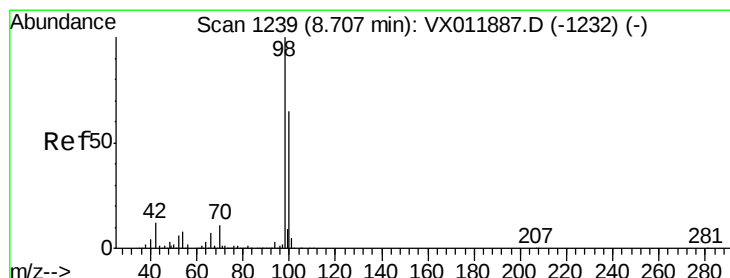
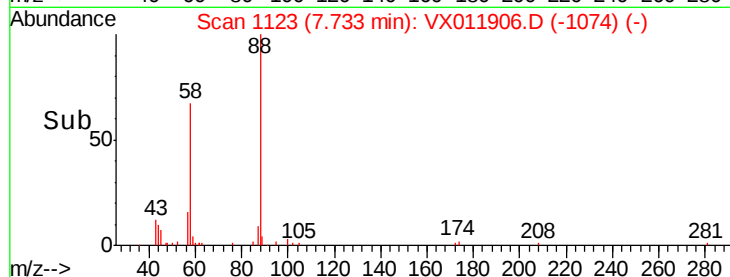
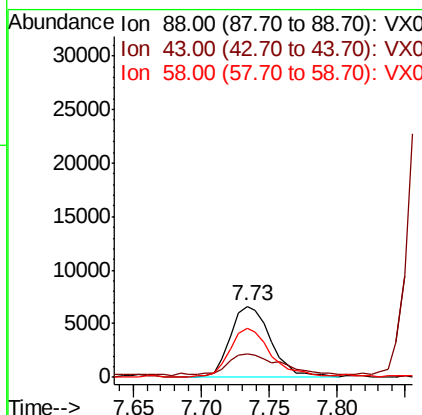
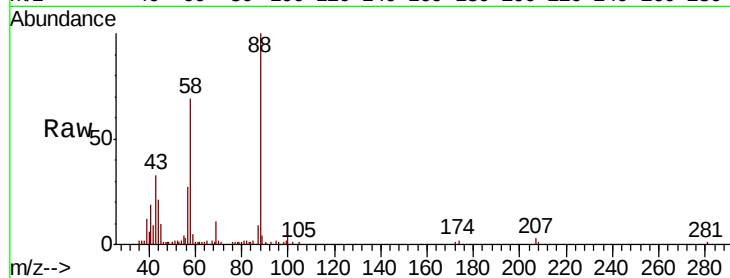
ClientSampleId :

VX0830SBS01

Tot Ion:	88	Resp:	13791
Ion	Ratio	Lower	Upper
88	100		
43	39.9	27.3	40.9
58	68.0	53.9	80.9

Manual Integrations
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#50

Toluene-d8

Concen: 52.711 ug/l

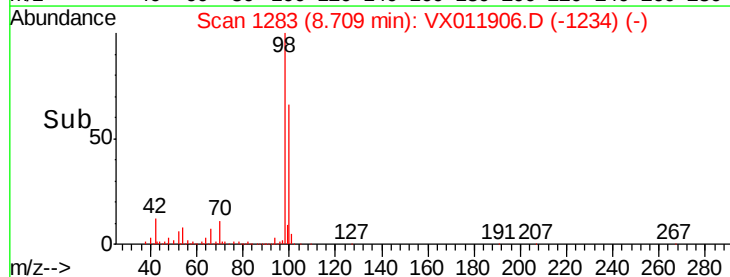
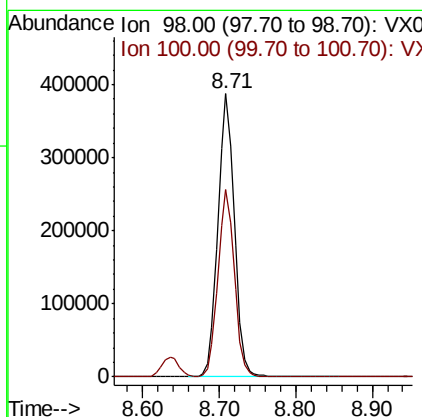
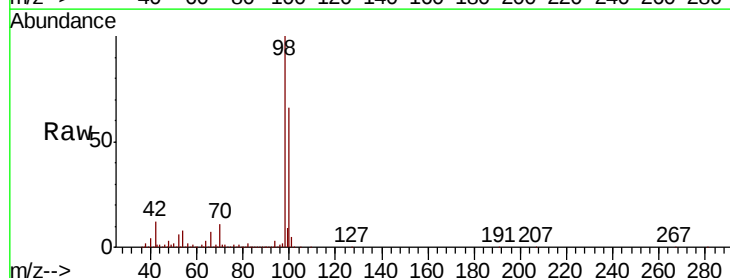
RT: 8.71 min Scan# 1283

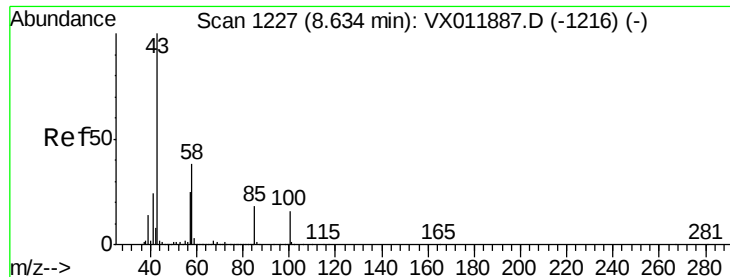
Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Tgt Ion:	98	Resp:	578306
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.6





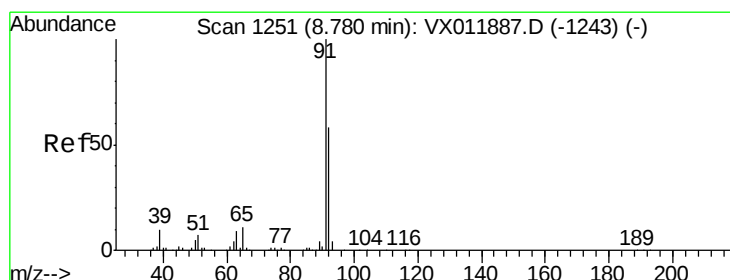
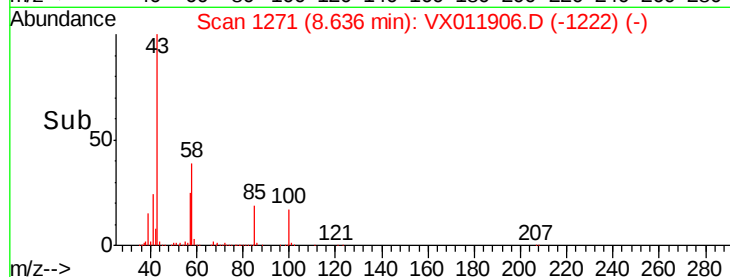
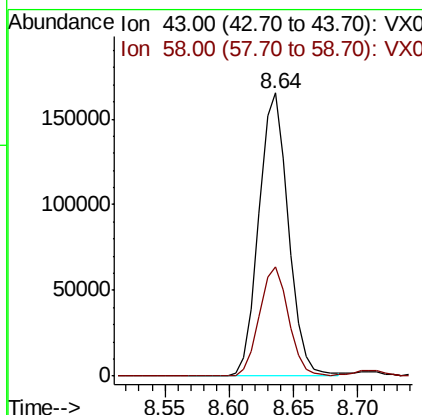
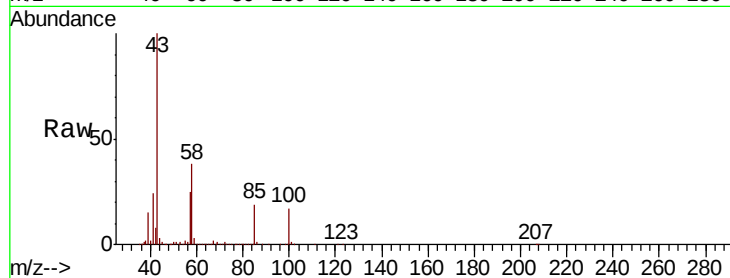
#51
4-Methyl-2-Pentanone
Concen: 112.322 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.4	30.9	46.3

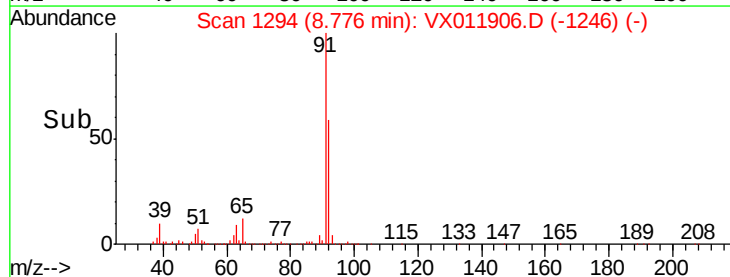
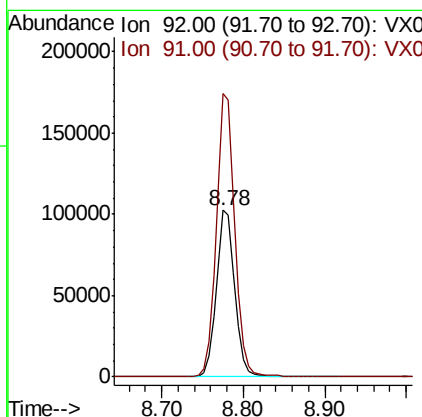
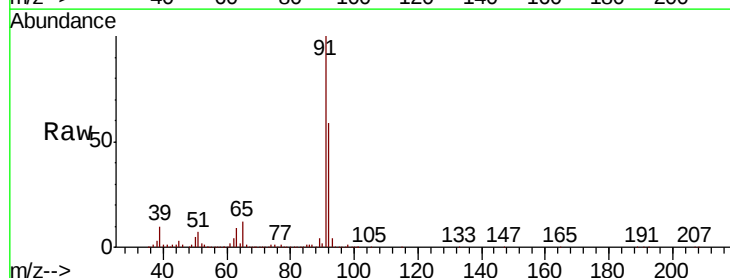
Manual Integrations
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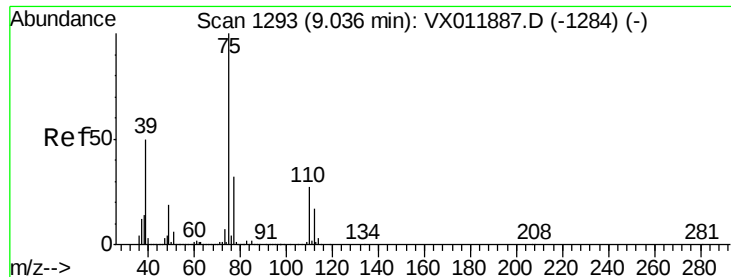
MMDadoda
9/3/2019 2:41:06 AM



#52
Toluene
Concen: 21.757 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.3	136.8	205.2





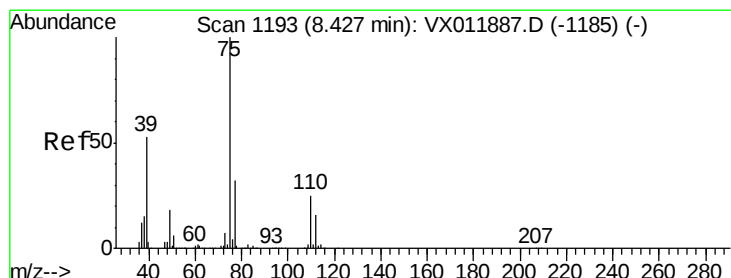
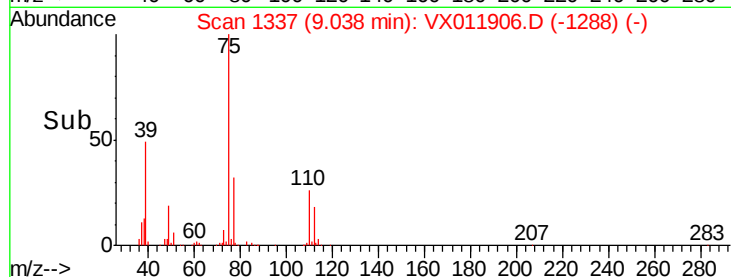
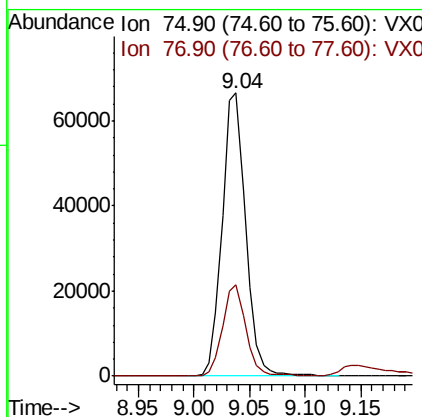
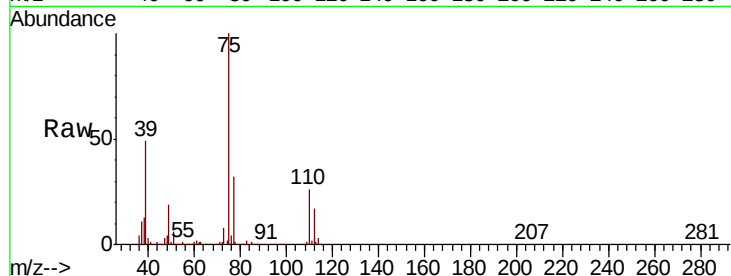
#53
 t-1,3-Dichloropropene
 Concen: 21.727 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.6	38.4

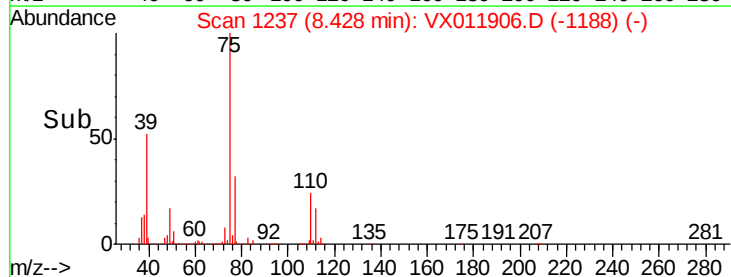
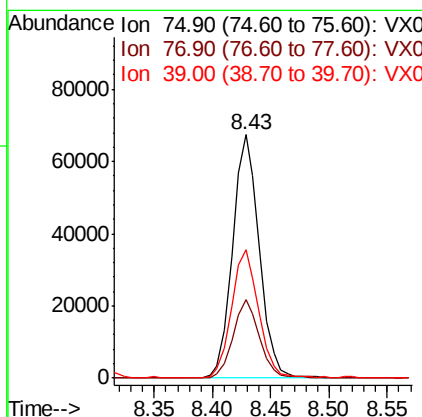
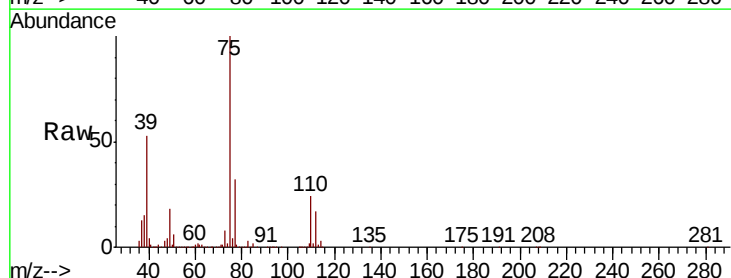
Manual Integrations
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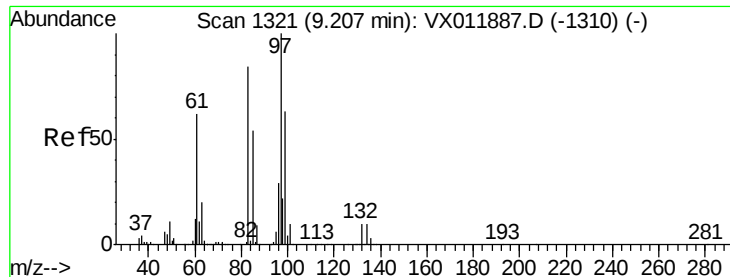
MMDadoda
 9/3/2019 2:41:06 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.420 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.5	38.3
39	52.4	42.6	64.0





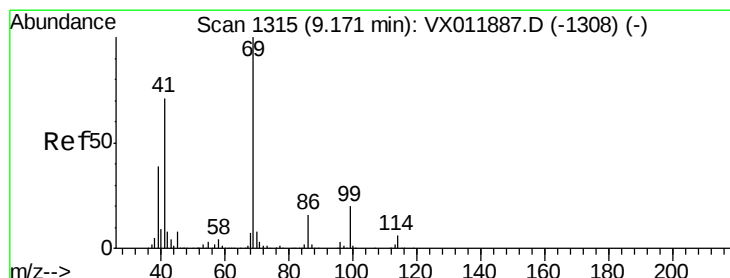
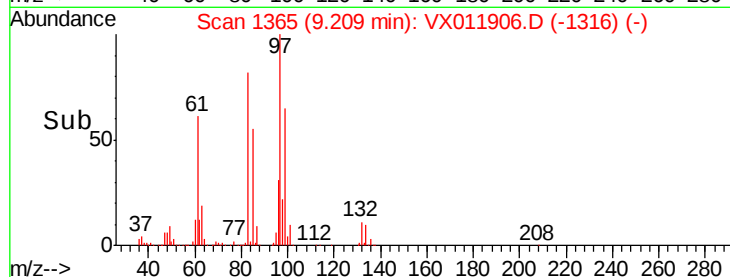
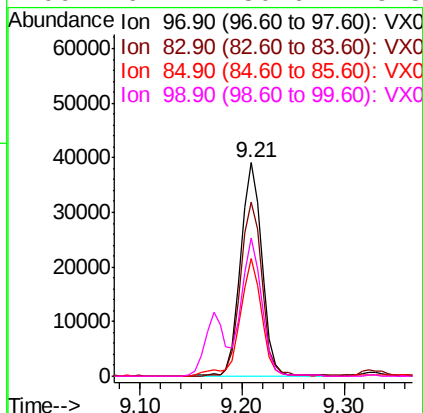
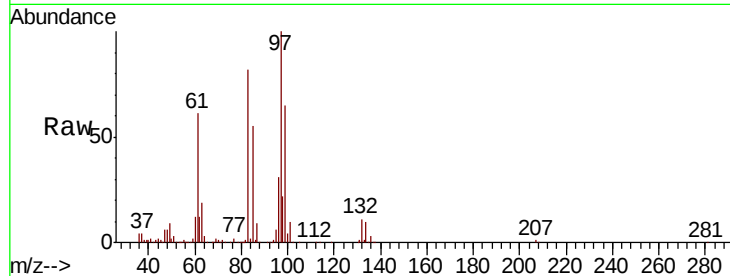
#55
 1,1,2-Trichloroethane
 Concen: 22.067 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion:	97	Resp:	56764
Ion	Ratio	Lower	Upper
97	100		
83	81.4	66.8	100.2
85	54.8	43.5	65.3
99	64.7	50.6	75.8

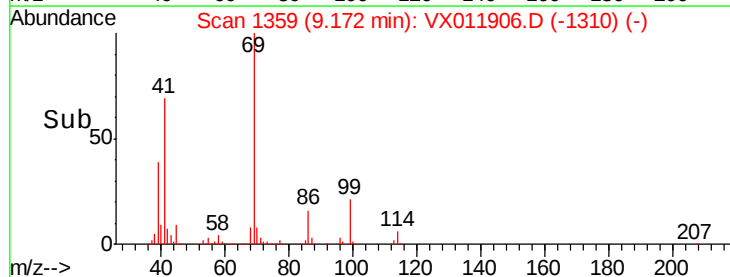
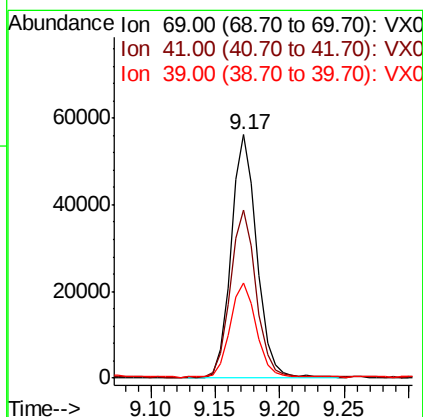
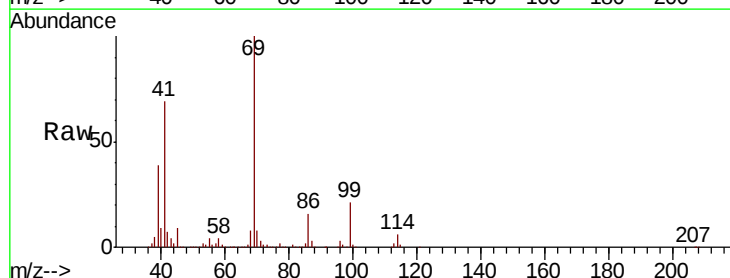
Manual Integrations
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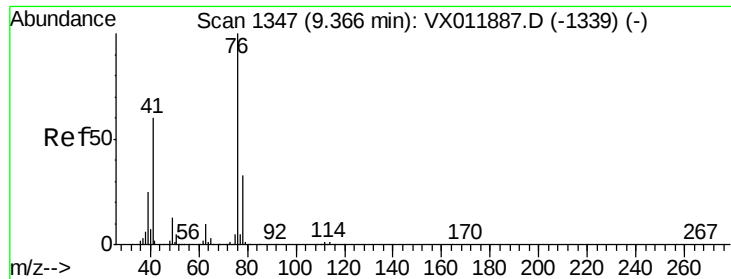
MMDadoda
 9/3/2019 2:41:06 AM



#56
 Ethyl methacrylate
 Concen: 21.796 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Tgt Ion:	69	Resp:	77814
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.8	83.8
39	40.4	31.1	46.7





#57

1,3-Dichloropropane

Concen: 21.820 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 76 Resp: 93160

Ion Ratio Lower Upper

76 100

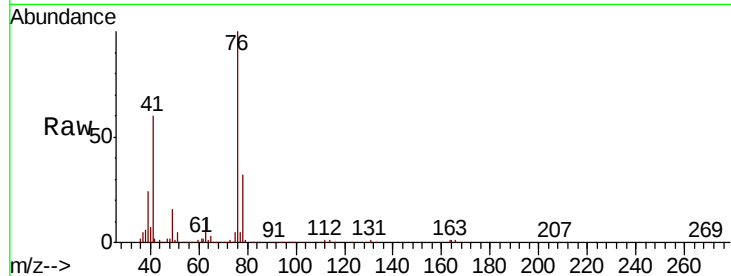
78 32.2 26.4 39.6

Manual Integrations

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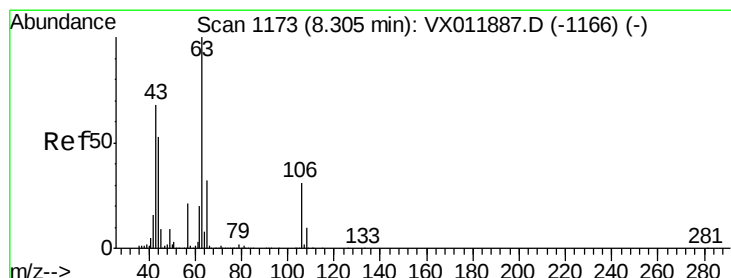
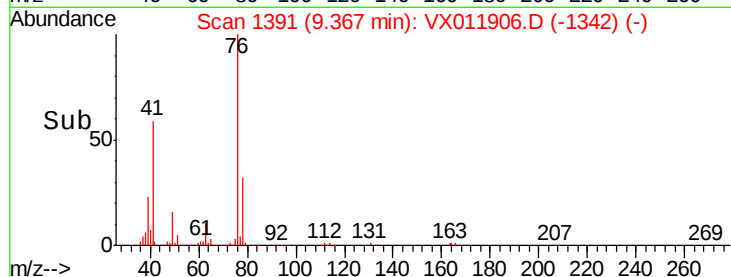
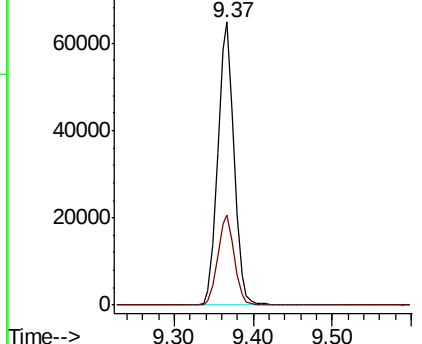
MMDadoda

9/3/2019 2:41:06 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 101.709 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX011906.D

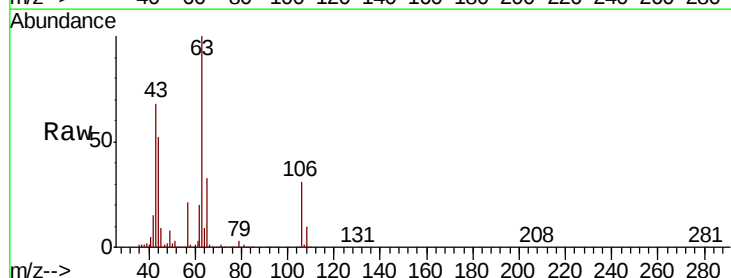
Acq: 30 Aug 2019 13:40

Tgt Ion: 63 Resp: 172946

Ion Ratio Lower Upper

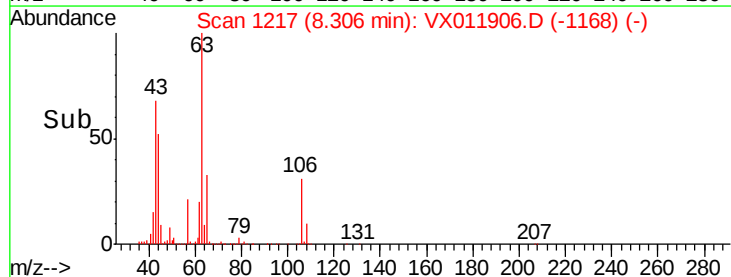
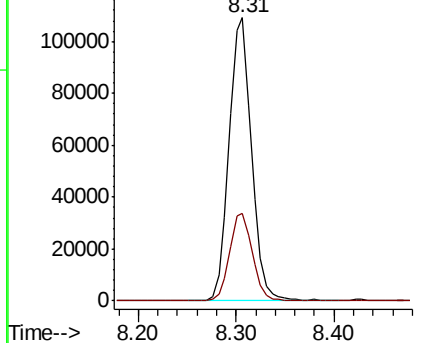
63 100

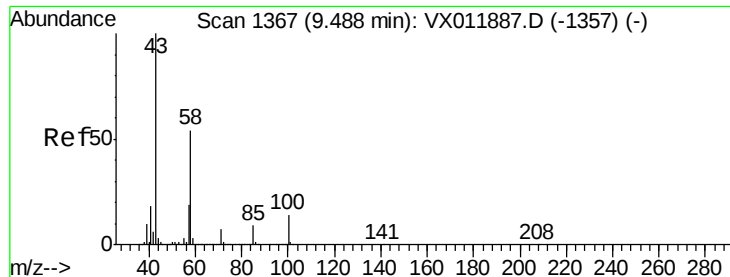
106 31.8 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





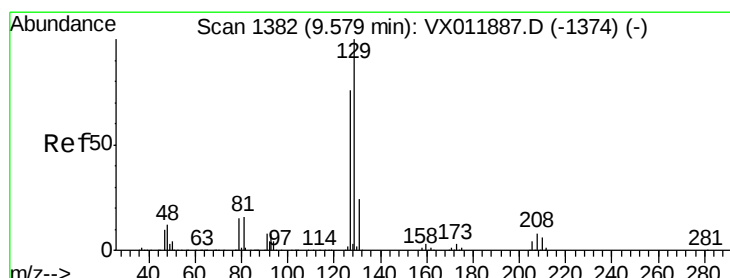
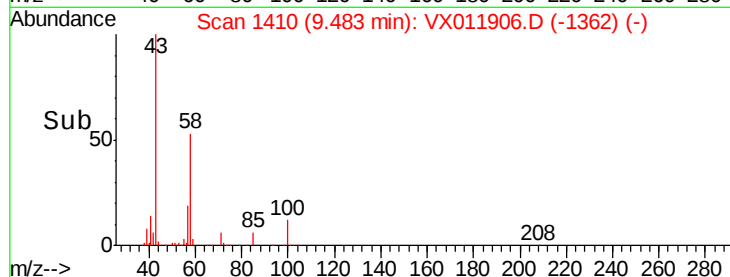
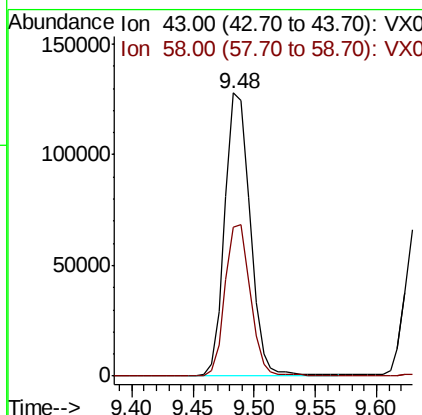
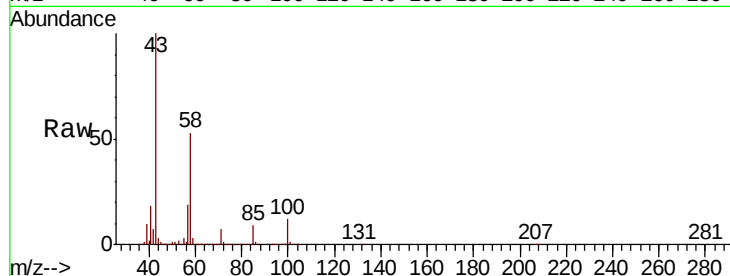
#59
2-Hexanone
Concen: 111.553 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.9	26.8	80.4

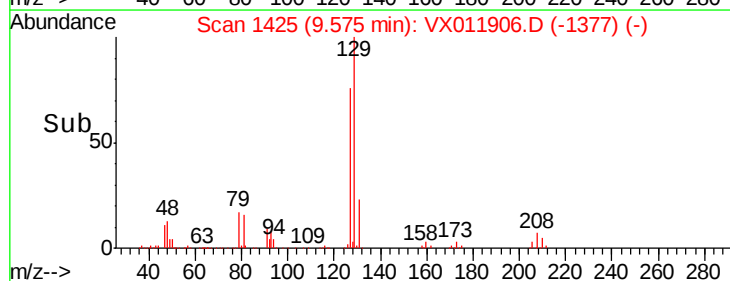
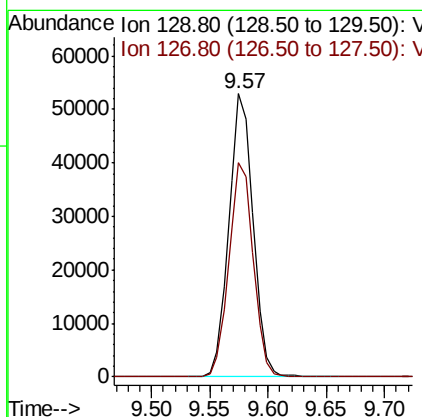
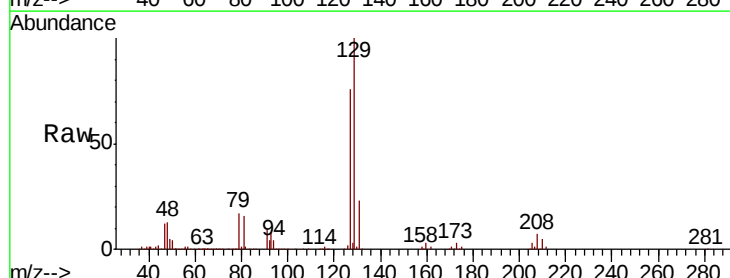
Manual Integrations
APPROVED

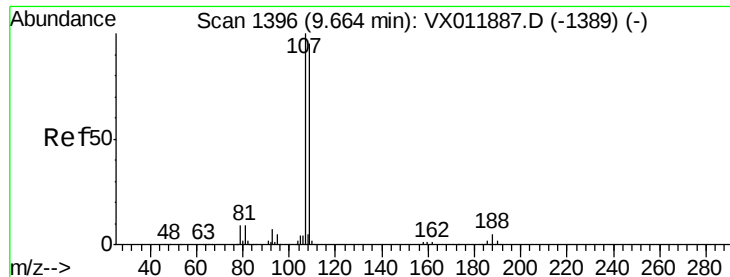
MMDadoda
9/3/2019 2:41:06 AM



#60
Dibromochloromethane
Concen: 22.167 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.6	115.7





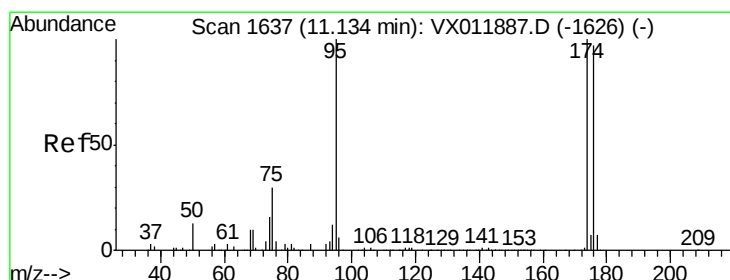
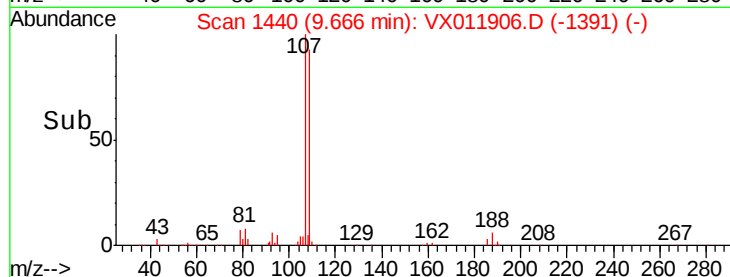
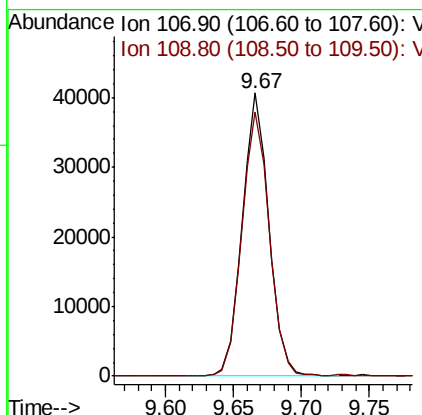
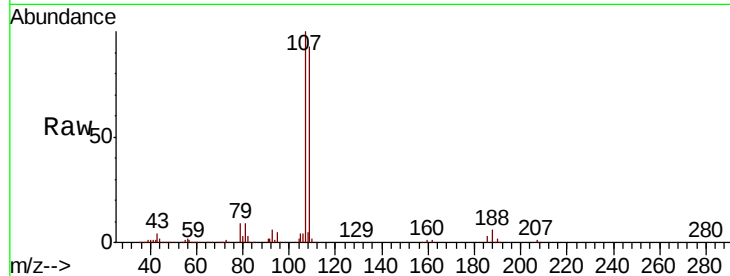
#61
 1,2-Dibromoethane
 Concen: 21.823 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.3	112.9

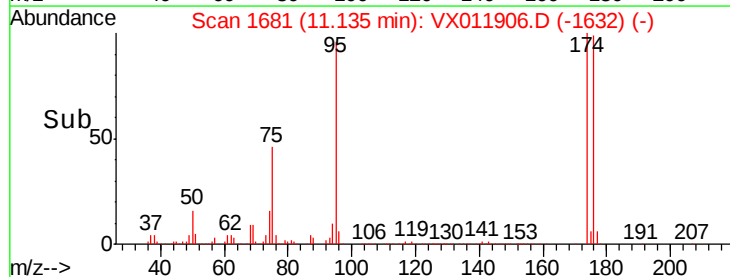
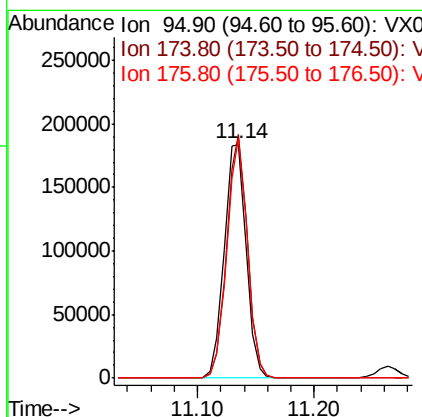
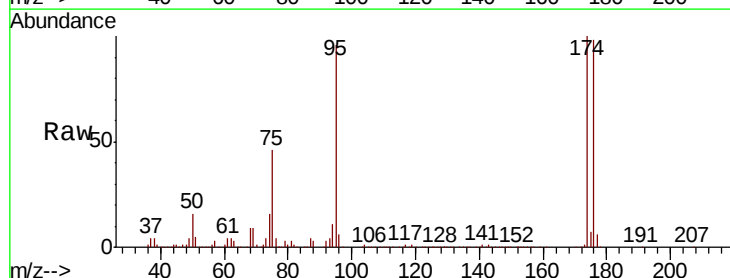
Manual Integrations
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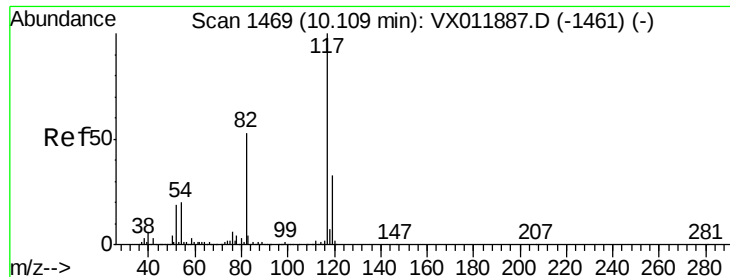
MMDadoda
 9/3/2019 2:41:06 AM



#62
 4-Bromofluorobenzene
 Concen: 49.723 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.6	0.0	196.0
176	96.4	0.0	191.4





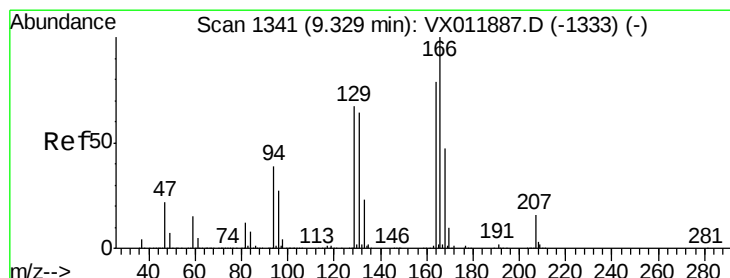
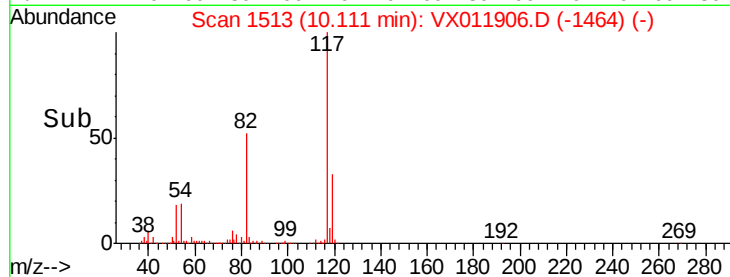
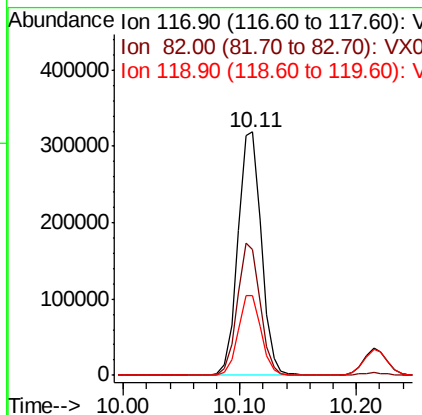
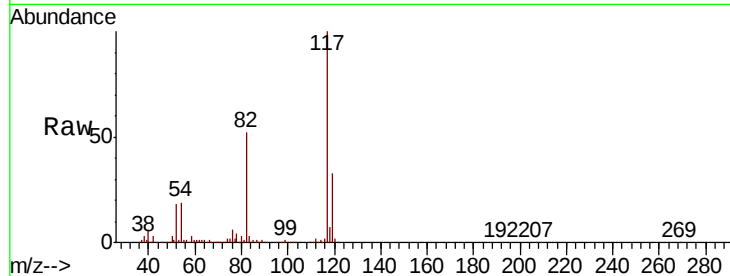
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	447186		
82	51.5	42.0	63.0	
119	32.8	26.2	39.4	

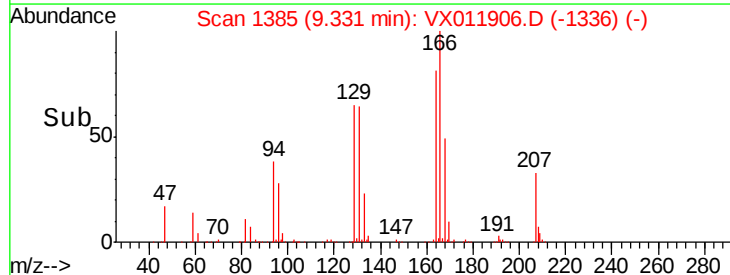
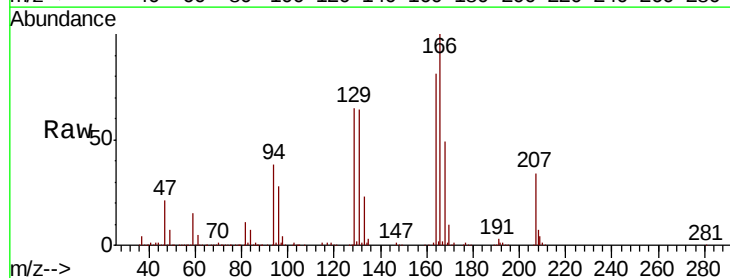
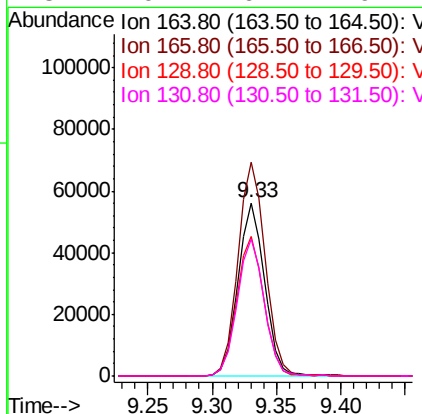
Manual Integrations
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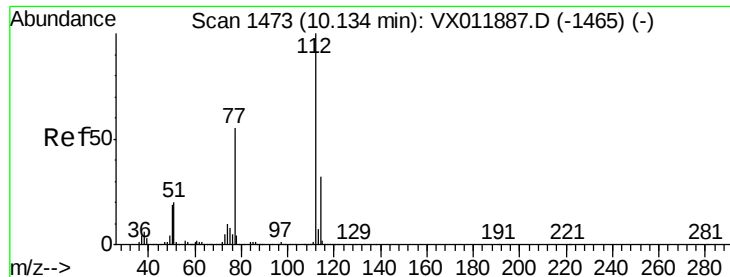
MMDadoda
9/3/2019 2:41:06 AM



#64
Tetrachloroethene
Concen: 22.245 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80019		
166	123.4	101.4	152.0	
129	80.3	68.0	102.0	
131	79.1	64.7	97.1	





#65

Chlorobenzene

Concen: 21.965 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion:112 Resp: 190344

Ion Ratio Lower Upper

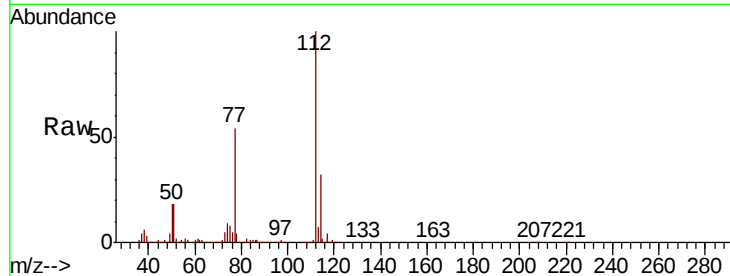
112 100

114 32.1 25.9 38.9

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

150000

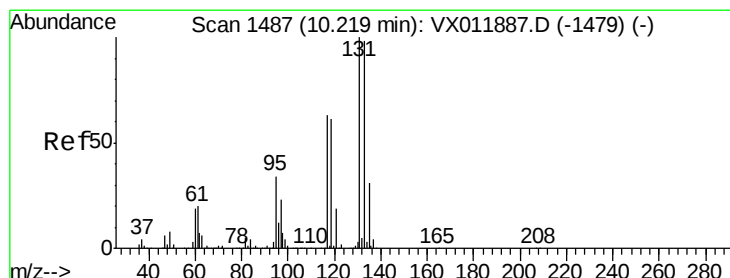
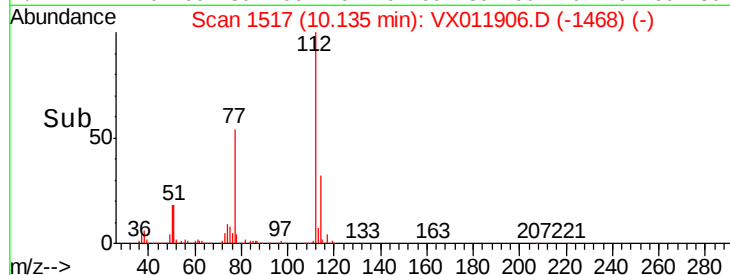
100000

50000

0

10.10 10.14 10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.302 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

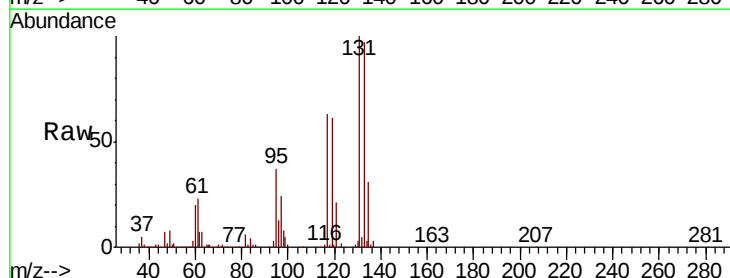
Tgt Ion:131 Resp: 78153

Ion Ratio Lower Upper

131 100

133 95.2 48.4 145.0

119 59.9 30.6 92.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

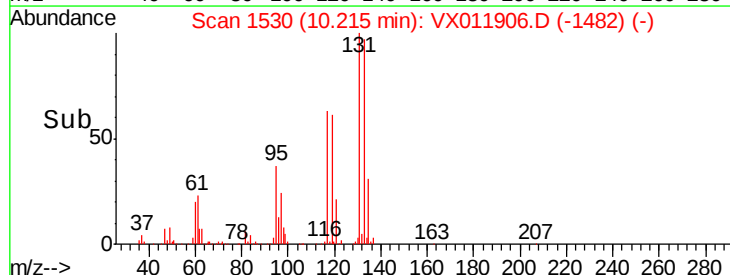
100000

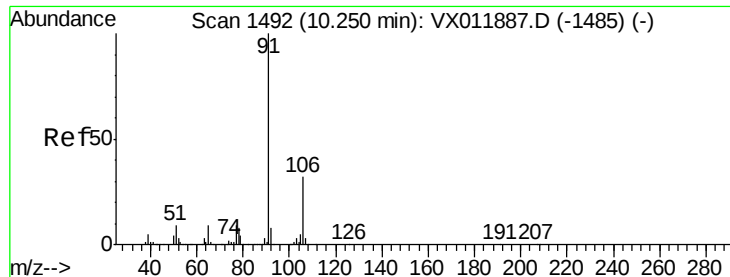
50000

0

10.20 10.21 10.30

Time-->





#67

Ethyl Benzene

Concen: 22.048 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 91 Resp: 324997

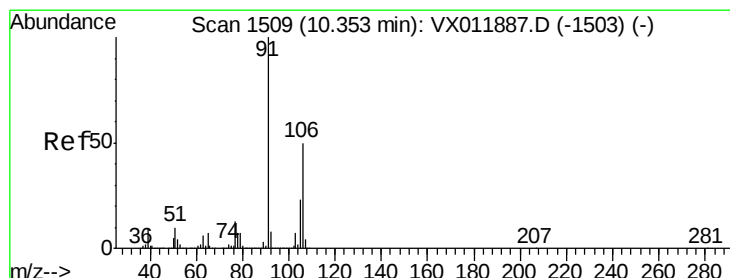
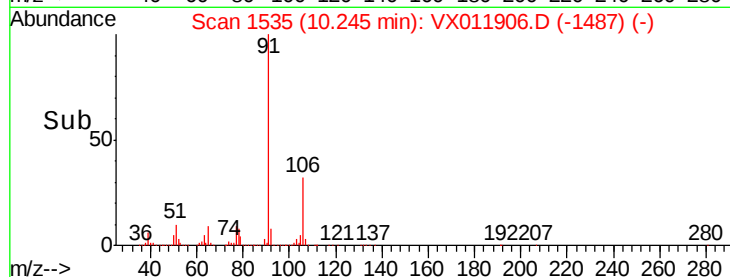
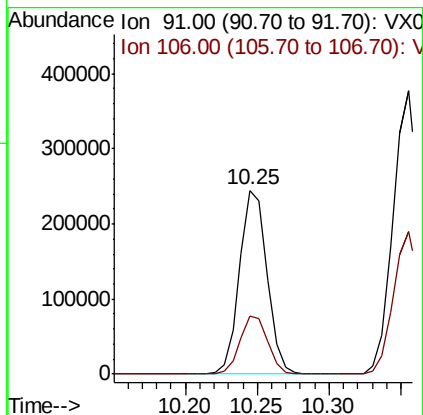
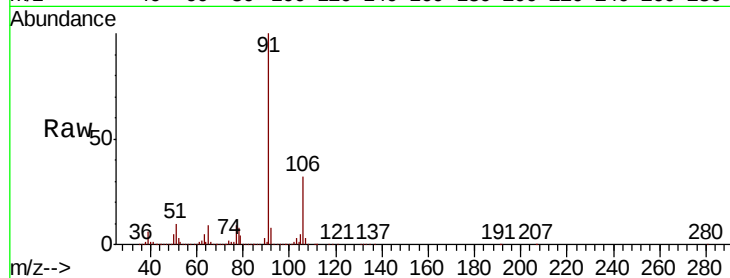
Ion Ratio Lower Upper

91 100

106 31.9 25.8 38.8

Manual Integrations
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9/3/2019 2:41:06 AM



#68

m/p-Xylenes

Concen: 43.939 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011906.D

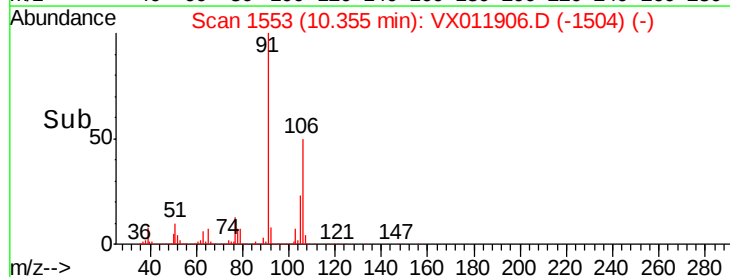
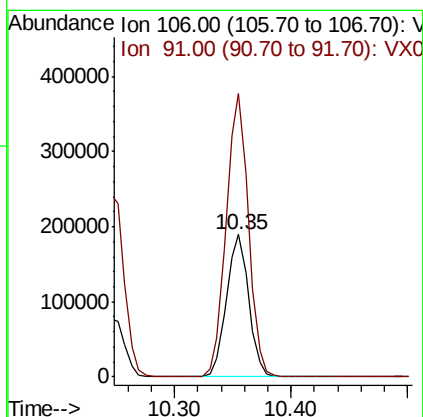
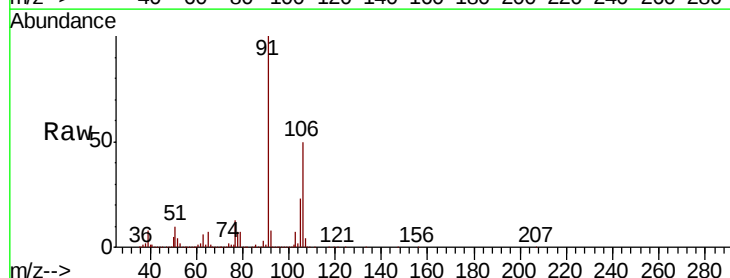
Acq: 30 Aug 2019 13:40

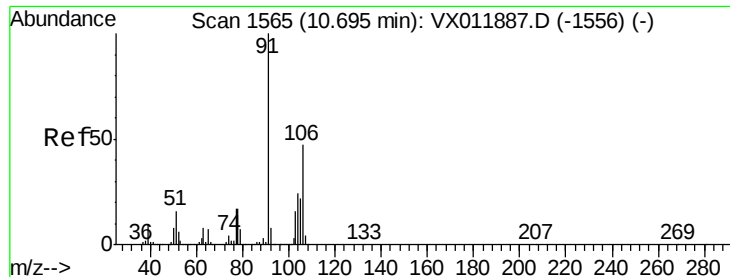
Tgt Ion: 106 Resp: 250093

Ion Ratio Lower Upper

106 100

91 200.3 158.6 237.8





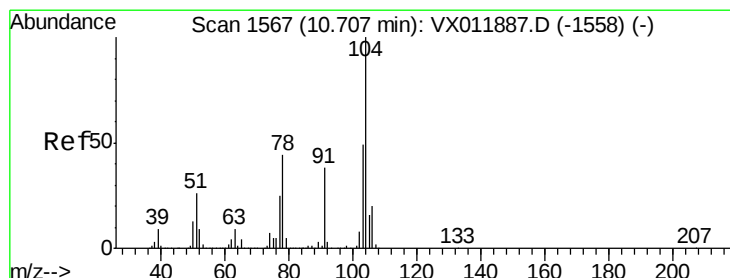
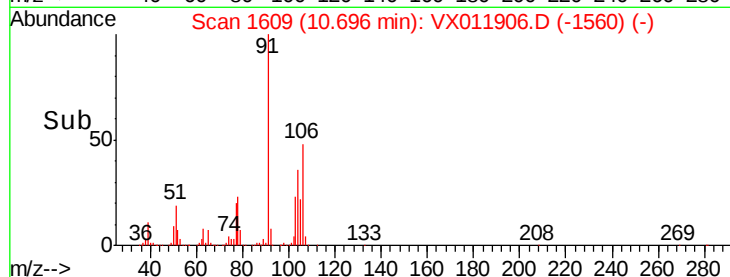
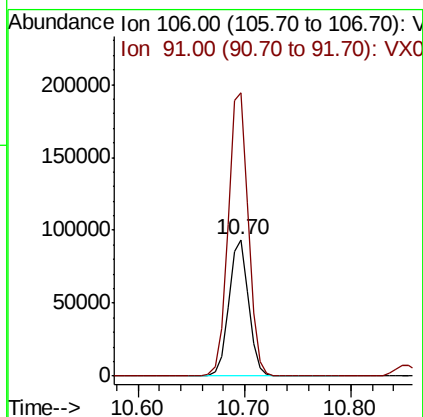
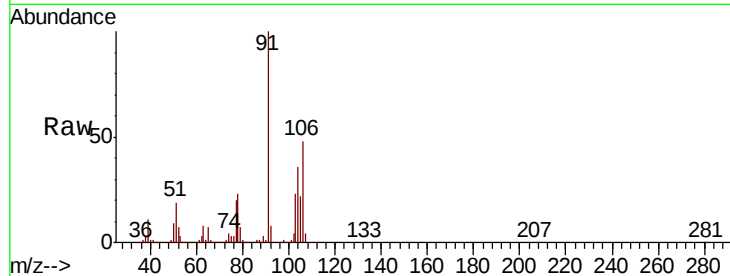
#69
o-Xylene
Concen: 21.919 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	121575		
91	91	211.4	104.8	314.6	

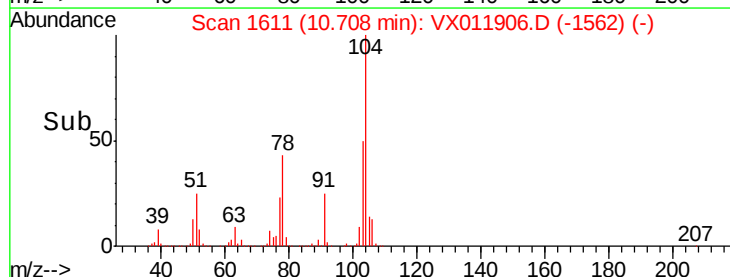
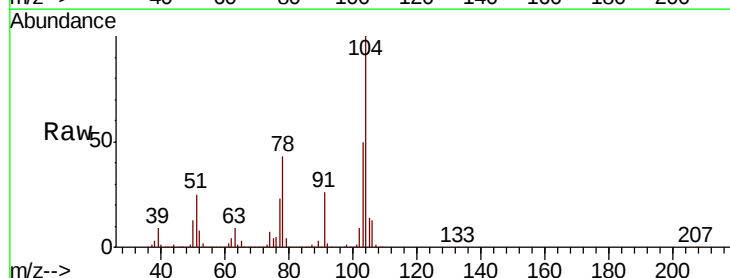
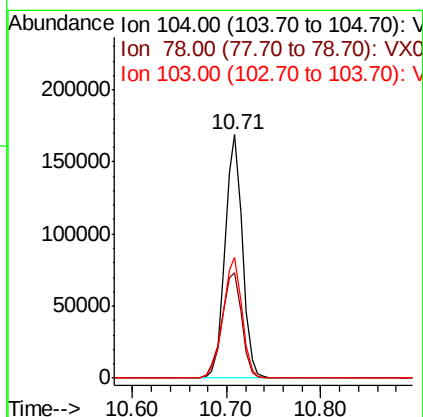
Manual Integrations
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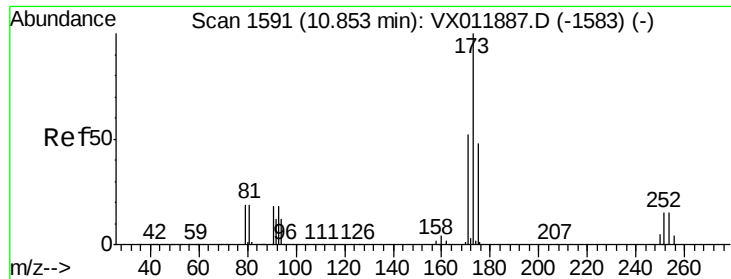
MMDadoda
9/3/2019 2:41:06 AM



#70
Styrene
Concen: 22.087 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	215930		
78	78	49.7	39.2	58.8	
103	103	54.2	43.0	64.6	





#71

Bromoform

Concen: 22.323 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion:173 Resp: 55315

Ion Ratio Lower Upper

173 100

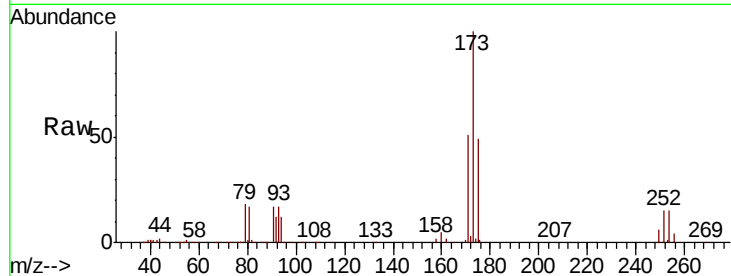
175 49.0 24.4 73.2

254 0.1 0.1 0.1#

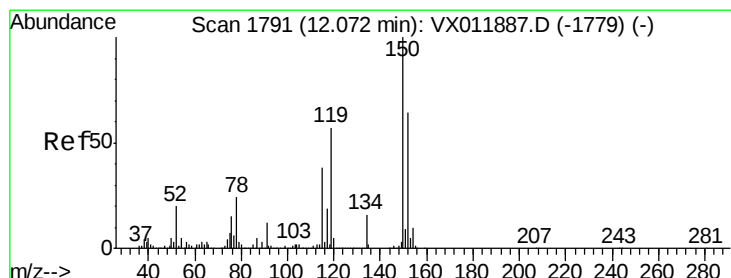
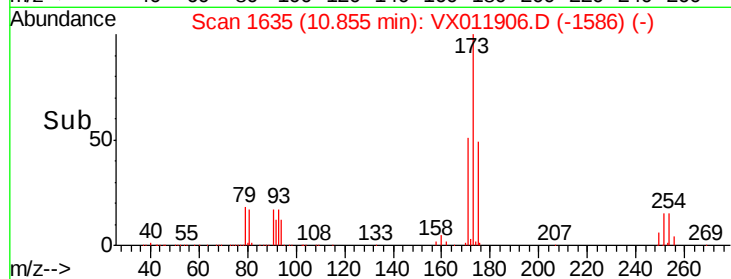
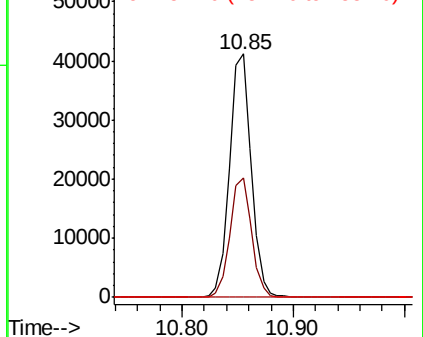
Manual Integrations
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MMDadoda

9/3/2019 2:41:06 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

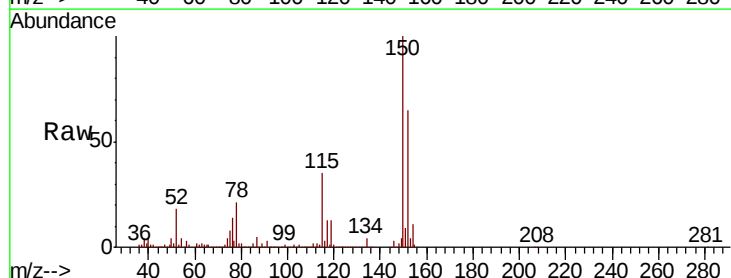
Tgt Ion:152 Resp: 265481

Ion Ratio Lower Upper

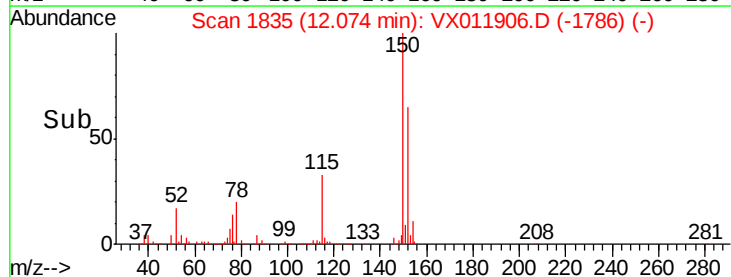
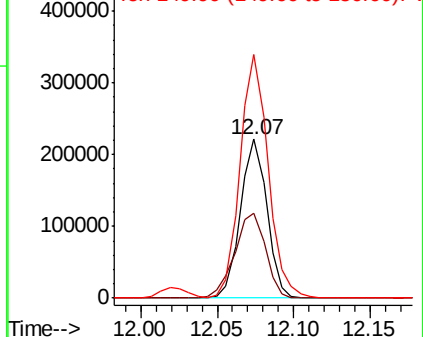
152 100

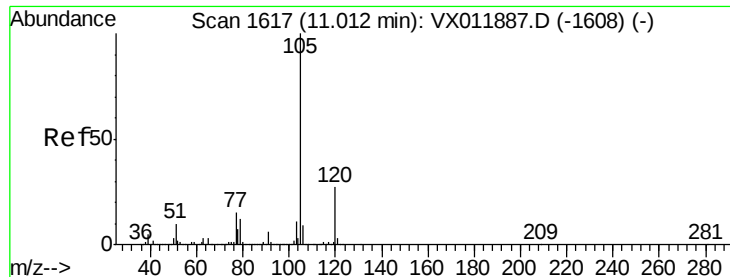
115 62.2 37.1 111.3

150 162.3 0.0 339.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.871 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 105 Resp: 333621

Ion Ratio Lower Upper

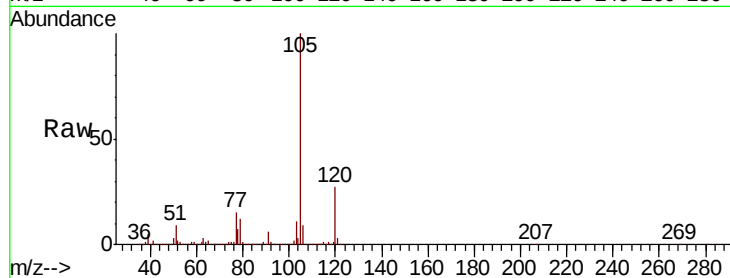
105 100

120 27.5 13.8 41.4

Manual Integrations
APPROVED

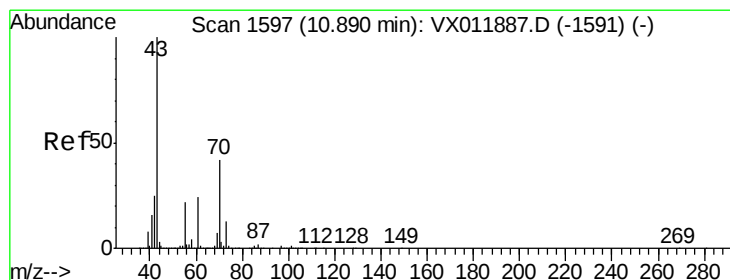
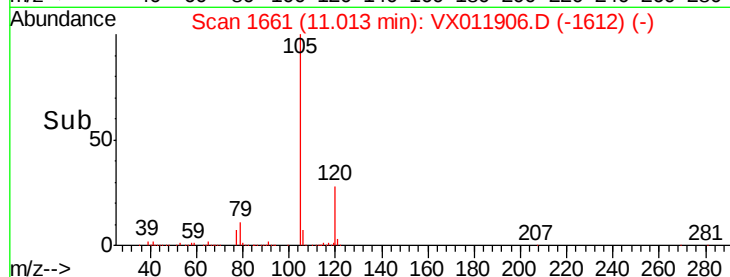
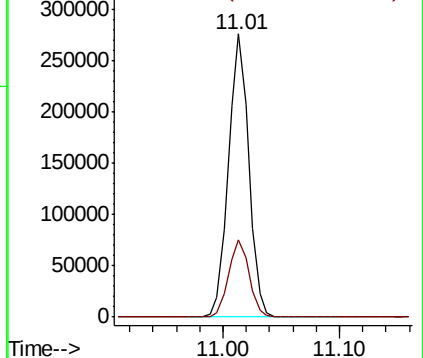
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.816 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Tgt Ion: 43 Resp: 98758

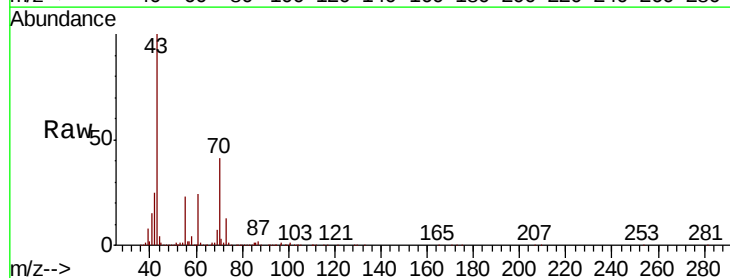
Ion Ratio Lower Upper

43 100

70 42.4 0.2 0.2#

55 22.4 0.1 0.1#

61 24.6 16.4 24.6#

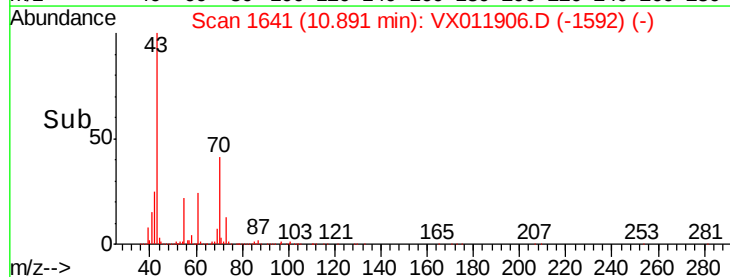
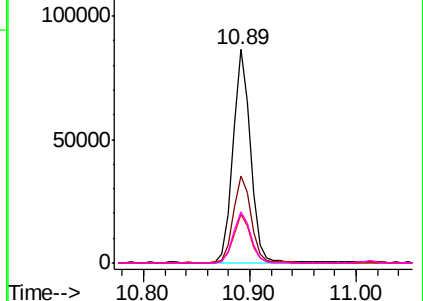


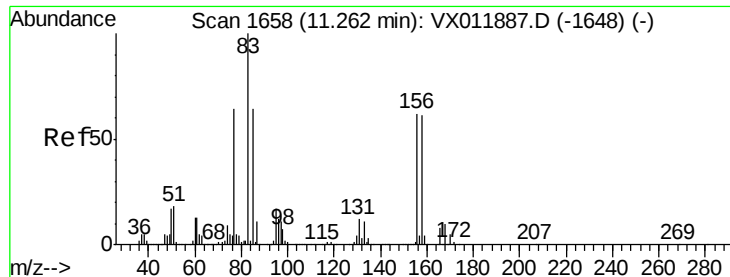
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.006 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

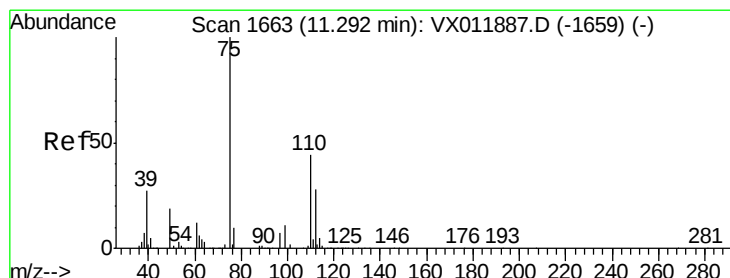
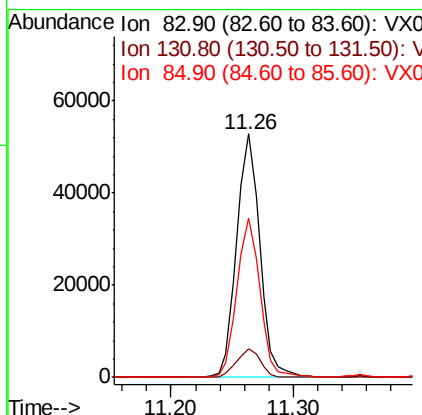
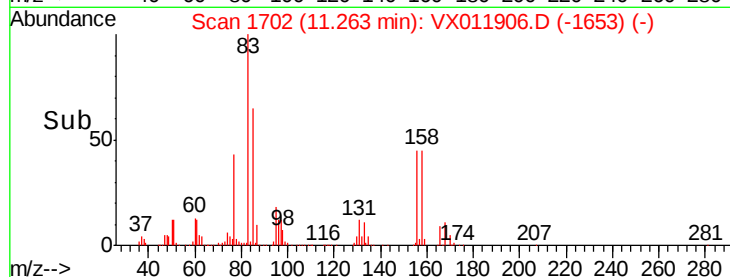
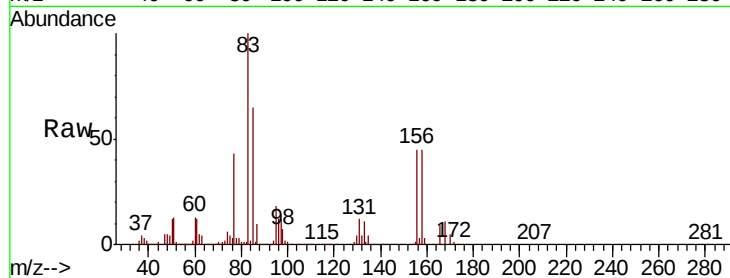
ClientSampleId :

VX0830SBS01

Tot Ion:	83	Resp:	68698
Ion Ratio	Lower	Upper	
83	100		
131	12.3	6.0	18.0
85	65.8	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.819 ug/l m

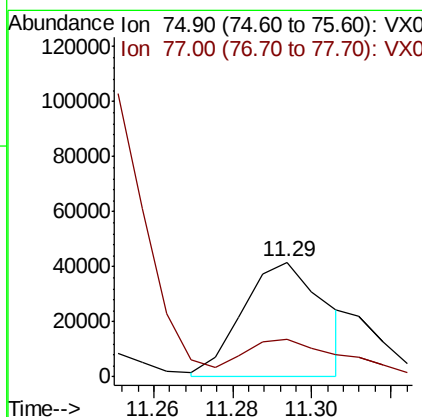
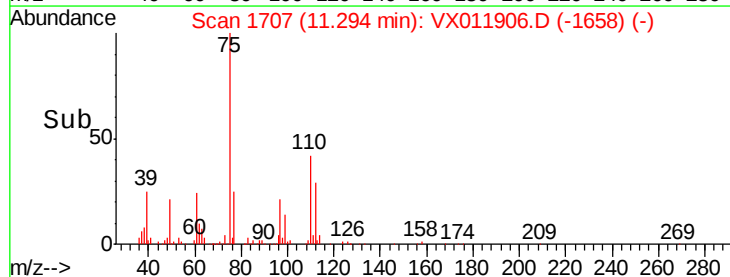
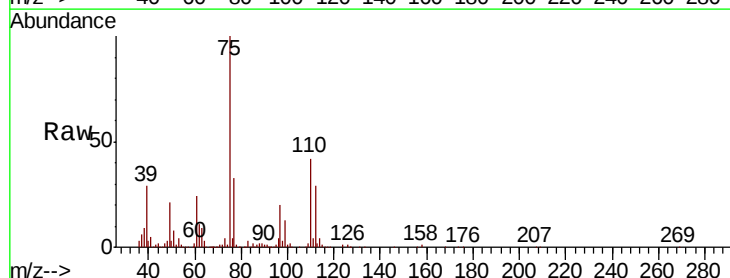
RT: 11.29 min Scan# 1707

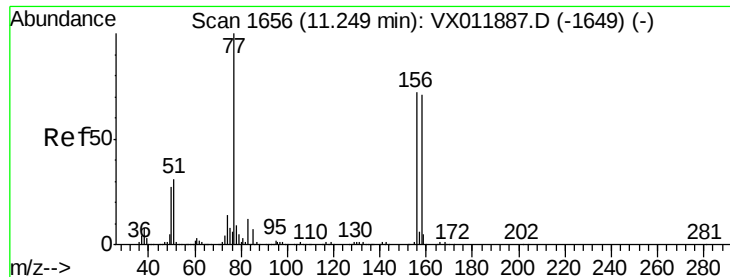
Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Tgt Ion:	75	Resp:	59592
Ion Ratio	Lower	Upper	
75	100		
77	39.8	20.9	62.7





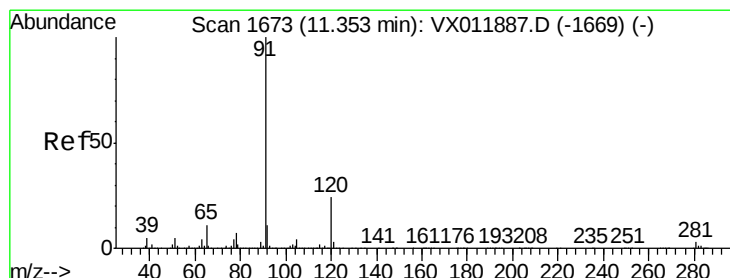
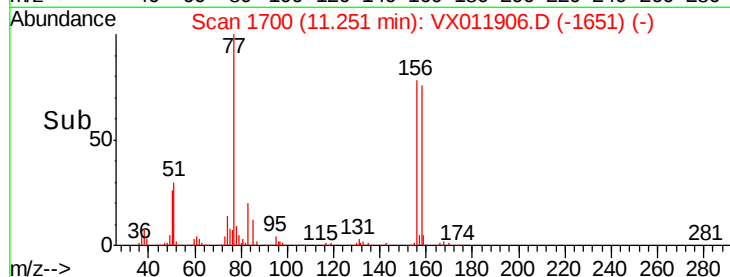
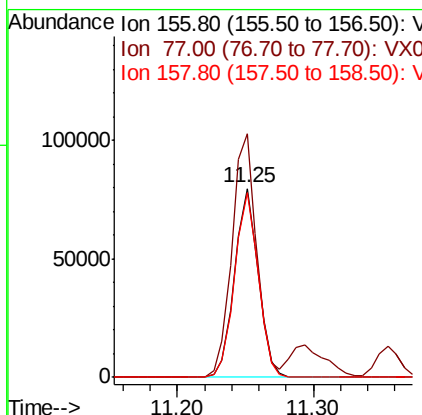
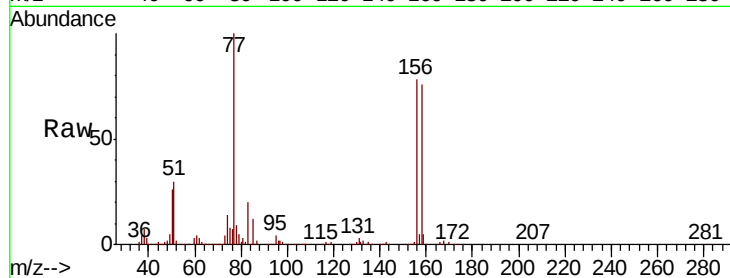
#77
Bromobenzene
Concen: 21.832 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	133.7	68.1	204.3
158	98.7	48.9	146.8

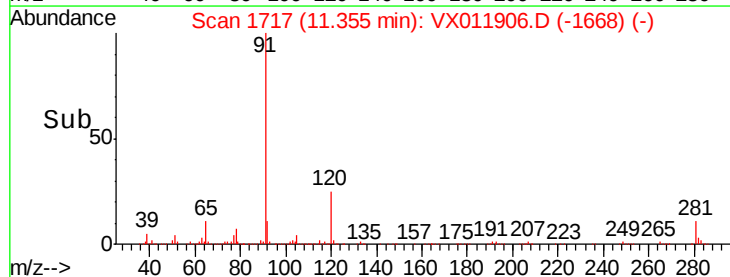
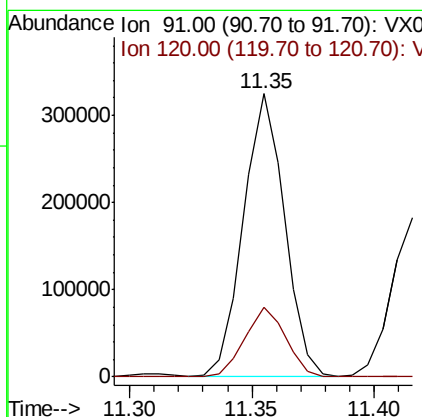
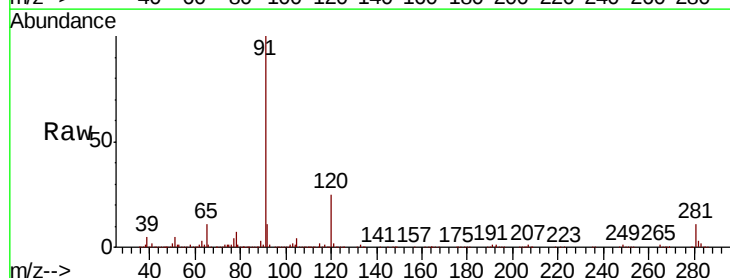
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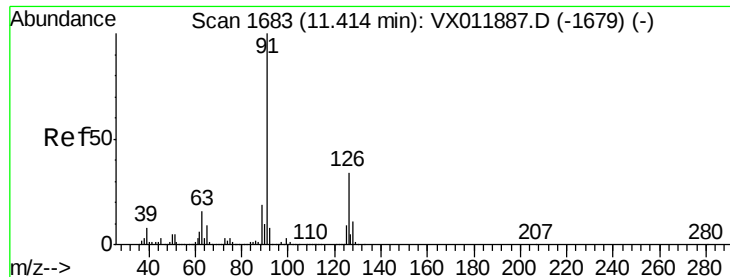
MMDadoda
9/3/2019 2:41:06 AM



#78
n-propylbenzene
Concen: 21.925 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.3	36.9





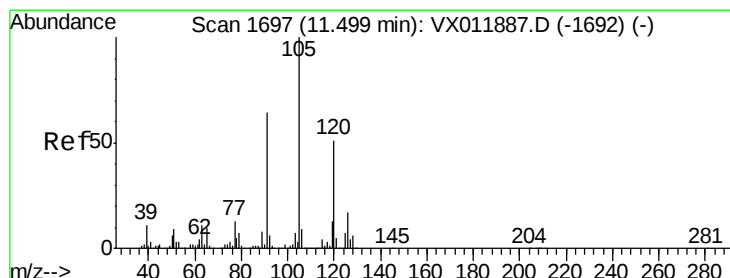
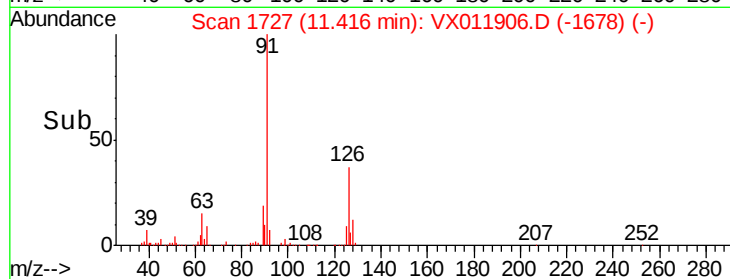
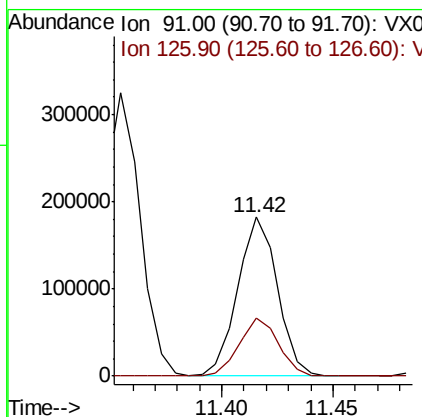
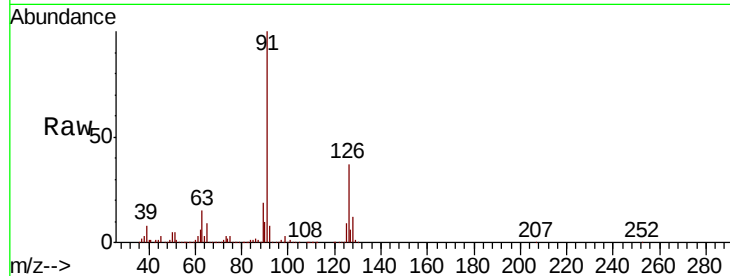
#79
2-Chlorotoluene
Concen: 21.689 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.7	17.9	53.8

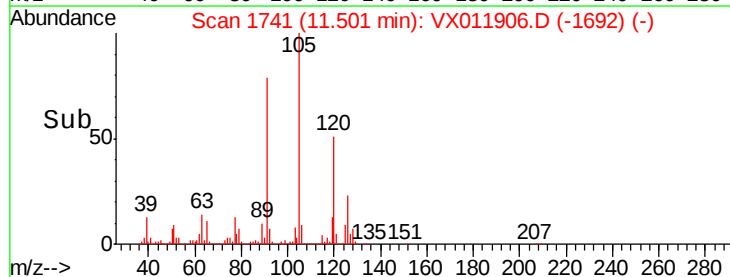
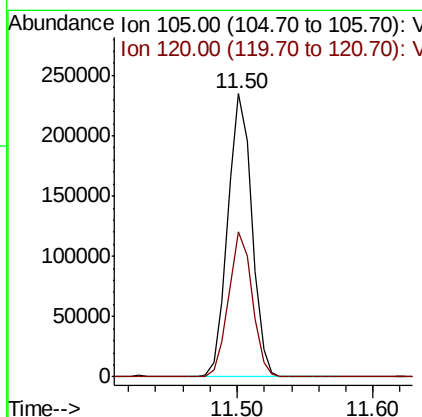
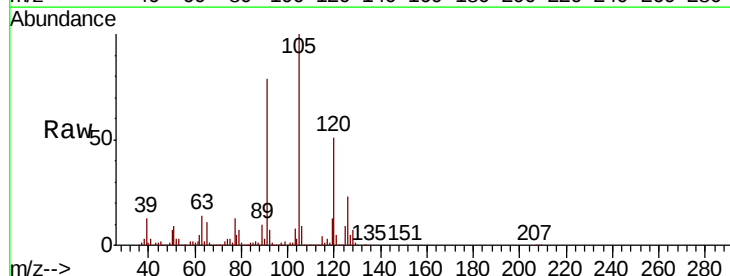
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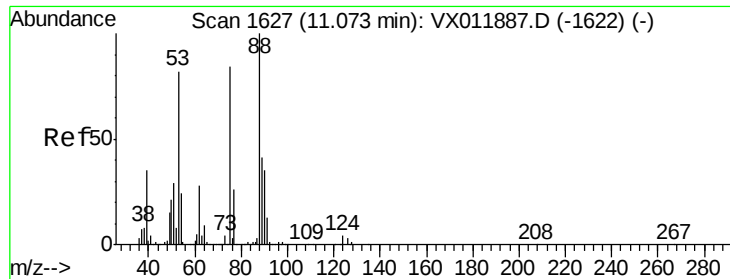
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 21.848 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.5	25.3	75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 21.741 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion: 75 Resp: 22601

Ion Ratio Lower Upper

75 100

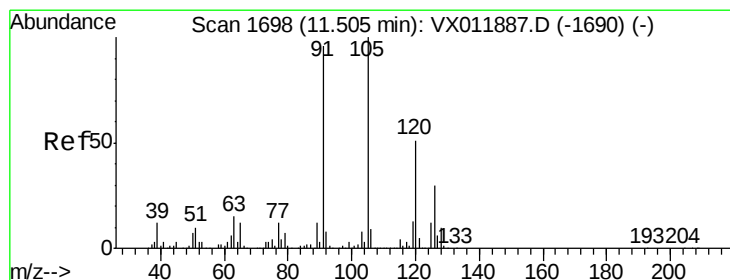
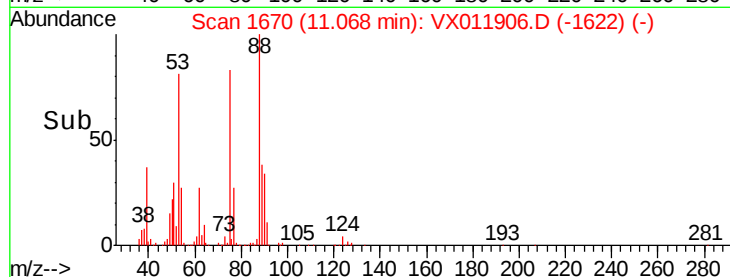
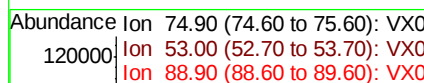
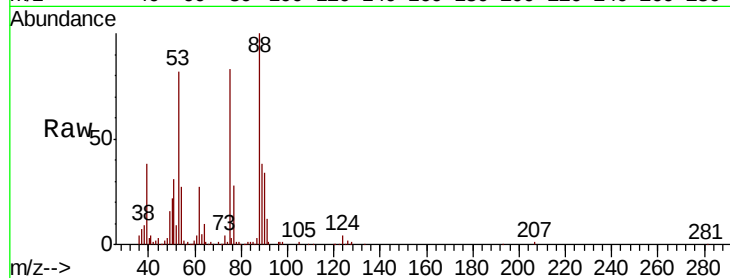
53 95.4 77.1 115.7

89 47.4 38.2 57.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.661 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX011906.D

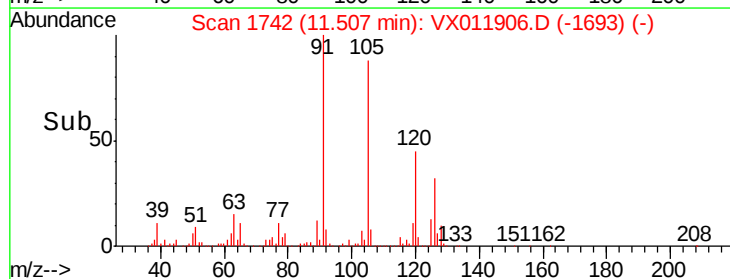
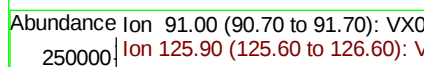
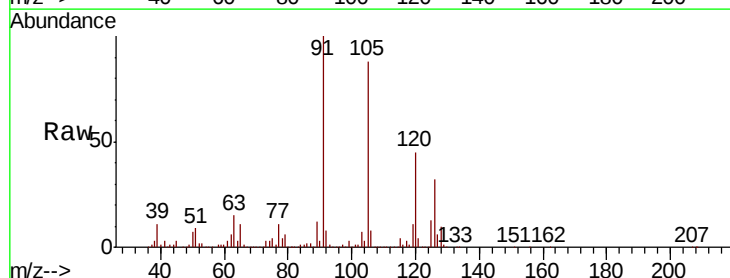
Acq: 30 Aug 2019 13:40

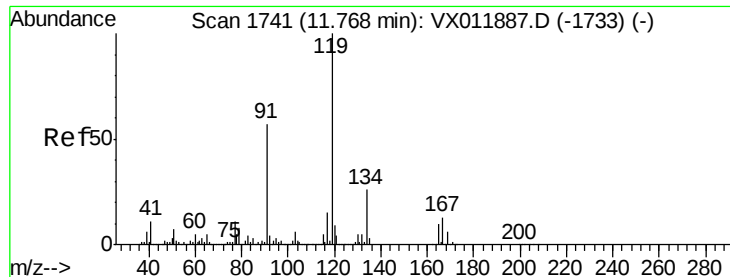
Tgt Ion: 91 Resp: 272078

Ion Ratio Lower Upper

91 100

126 31.9 15.9 47.6





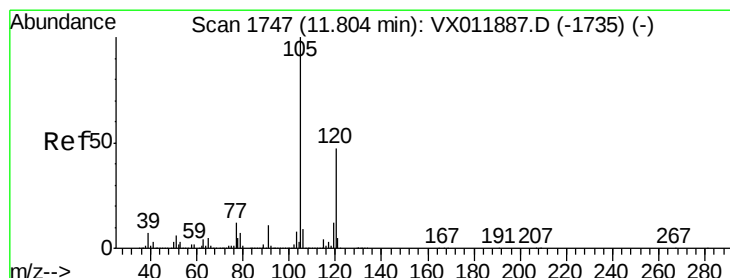
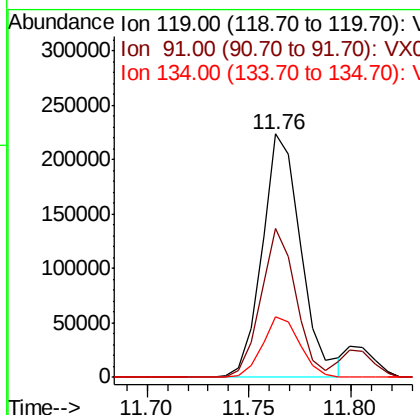
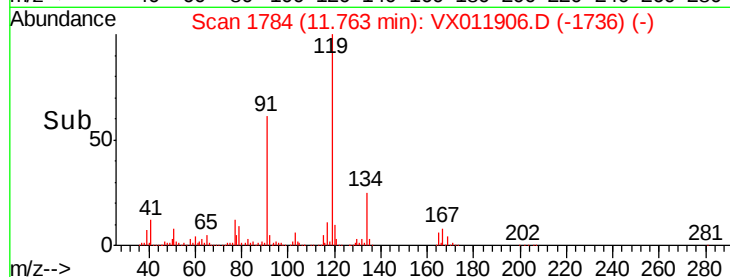
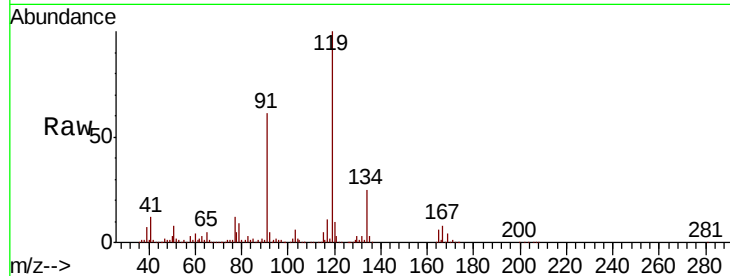
#83
tert-Butylbenzene
Concen: 22.200 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	296592		
91	55.5	27.9	83.6	
134	23.8	12.3	36.8	

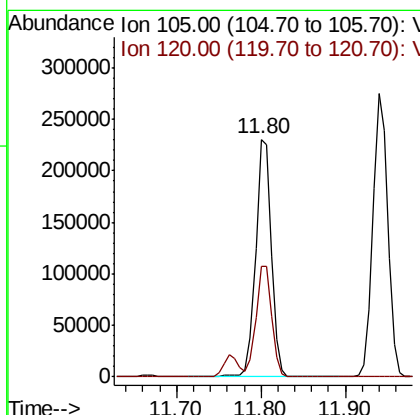
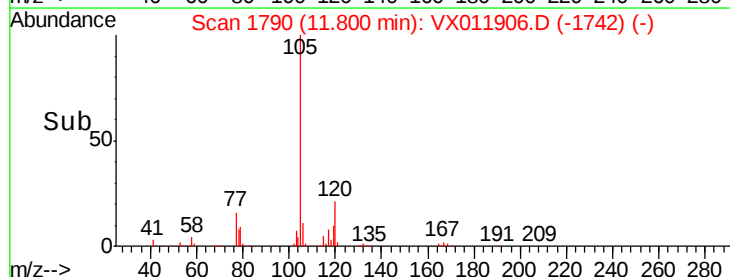
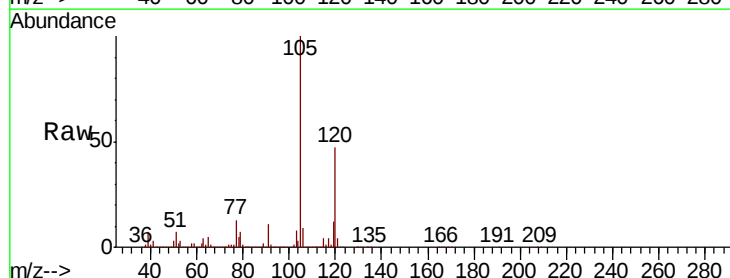
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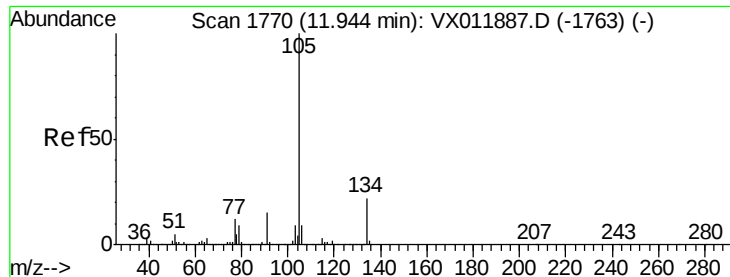
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#84
1,2,4-Trimethylbenzene
Concen: 21.576 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	291137		
120	46.7	23.4	70.3	





#85

sec-Butylbenzene

Concen: 21.824 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0830SBS01

Tot Ion:105 Resp: 338665

Ion Ratio Lower Upper

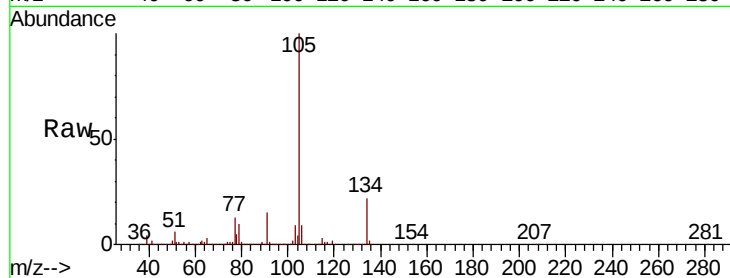
105 100

134 22.0 10.9 32.7

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

300000

250000

200000

150000

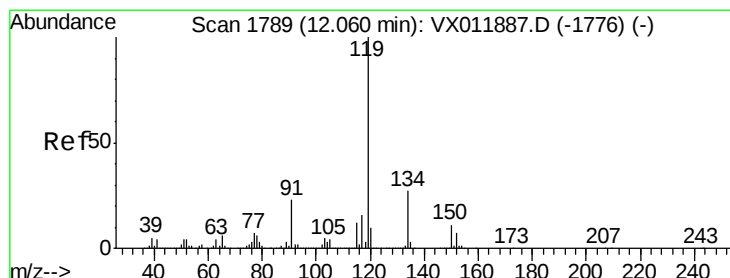
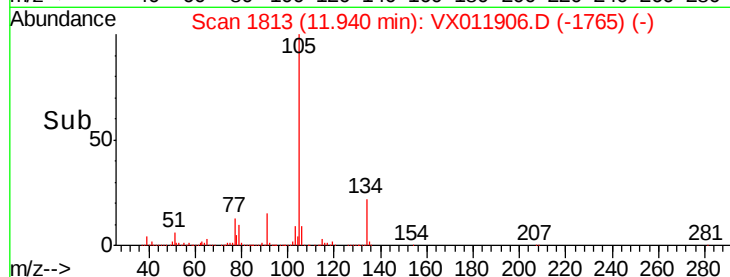
100000

50000

0

Time-->

11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 21.761 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011906.D

Acq: 30 Aug 2019 13:40

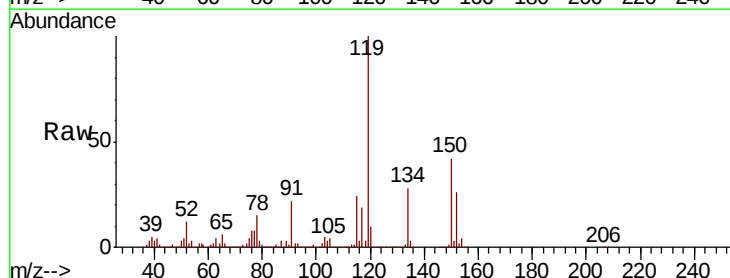
Tgt Ion:119 Resp: 327435

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

91 23.3 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

300000

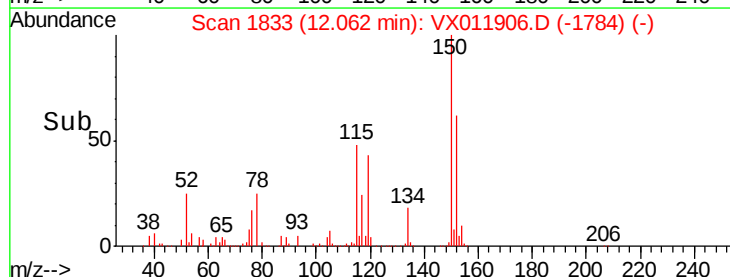
200000

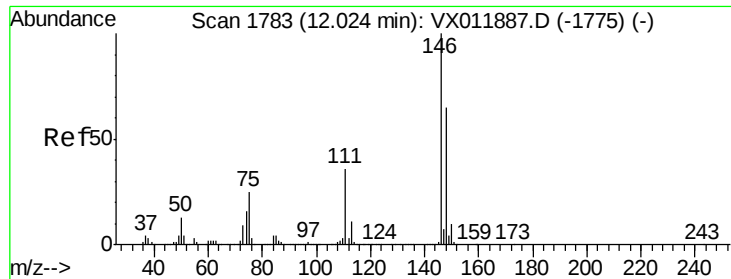
100000

0

Time-->

12.00 12.10





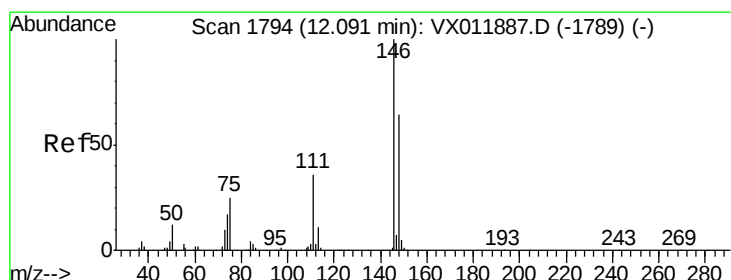
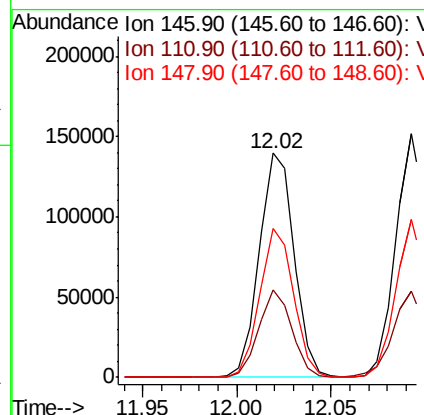
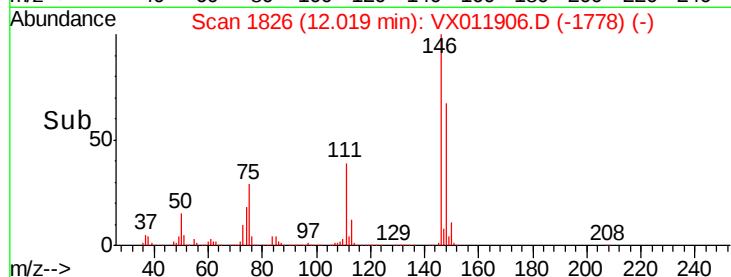
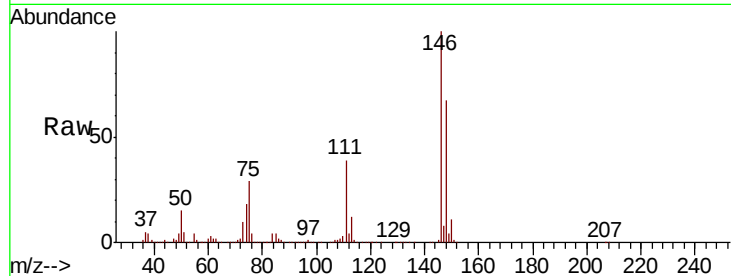
#87
 1,3-Dichlorobenzene
 Concen: 21.763 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	178934		
111	37.3	18.4	55.2	
148	64.9	32.1	96.5	

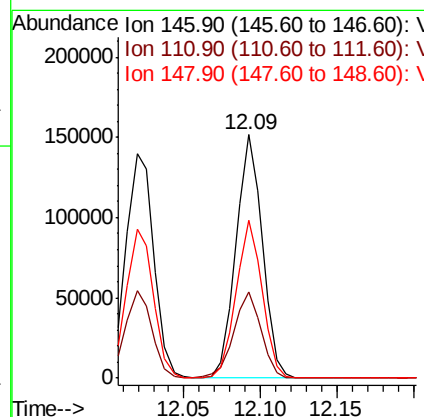
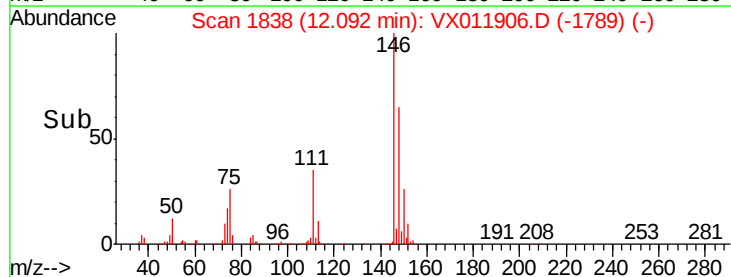
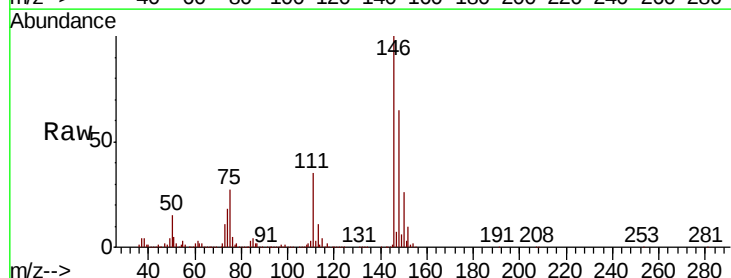
Manual Integrations
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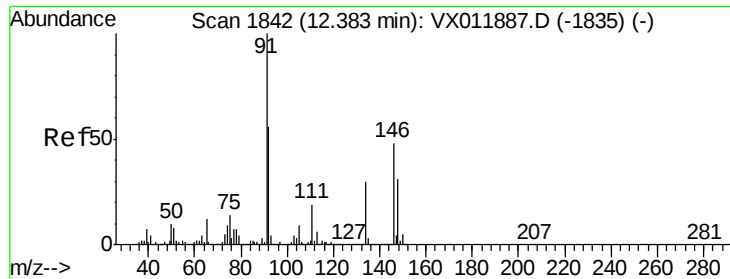
MMDadoda
 9/3/2019 2:41:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.774 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	180985		
111	36.8	17.9	53.7	
148	64.1	32.4	97.0	





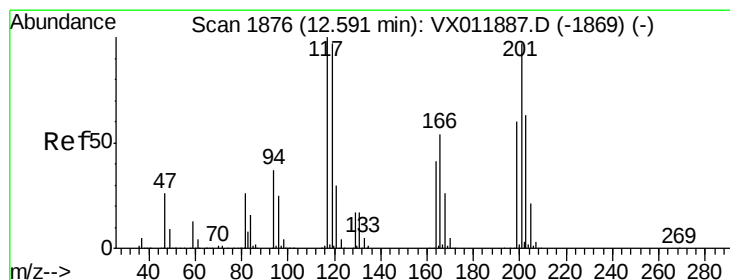
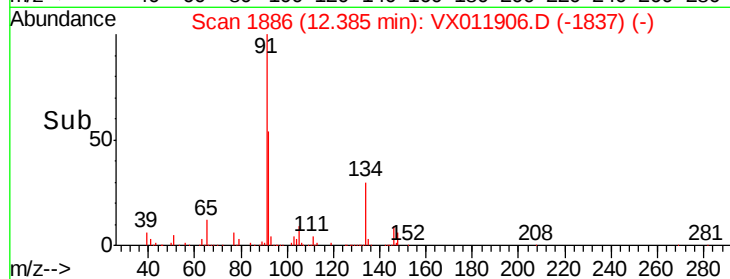
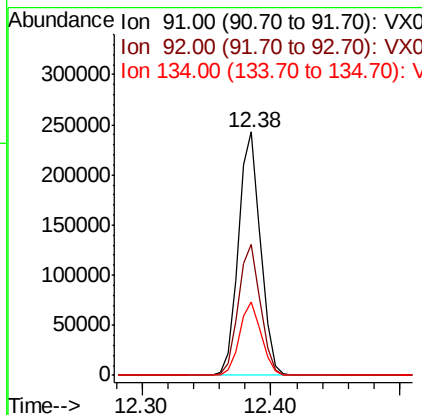
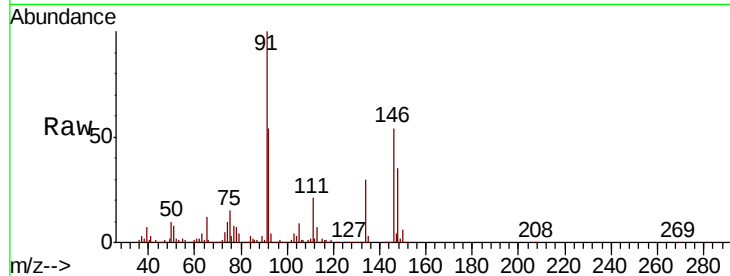
#89
n-Butylbenzene
Concen: 21.608 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.6	82.8
134	29.9	14.8	44.3

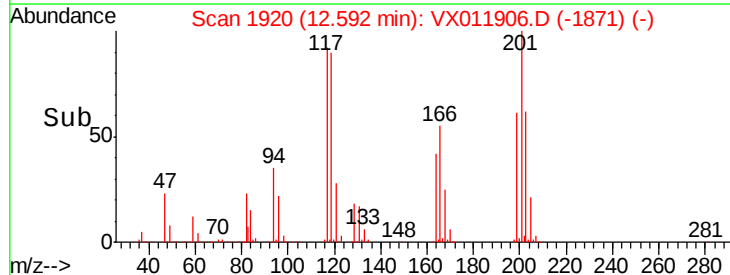
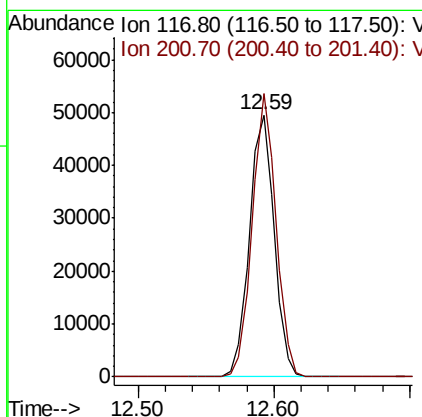
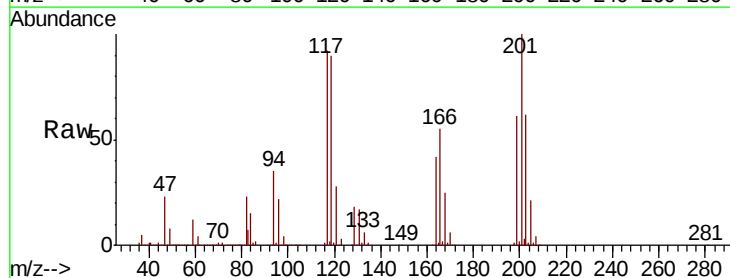
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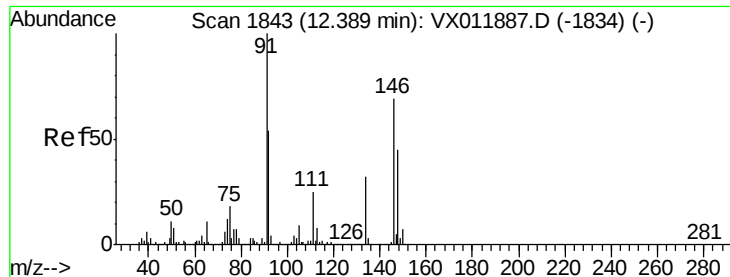
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#90
Hexachloroethane
Concen: 21.750 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.1	52.8	158.5





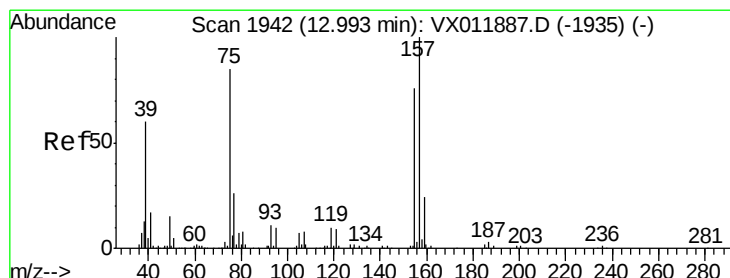
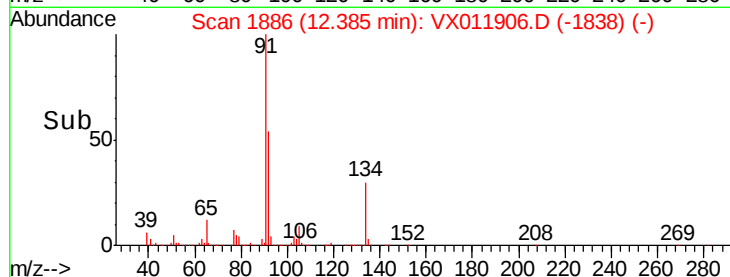
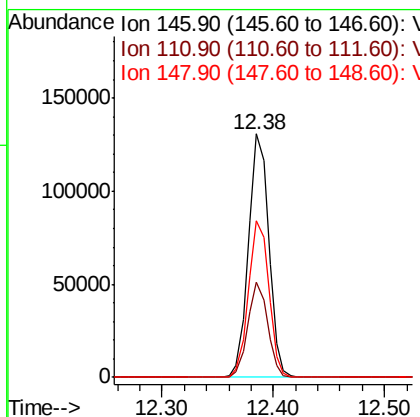
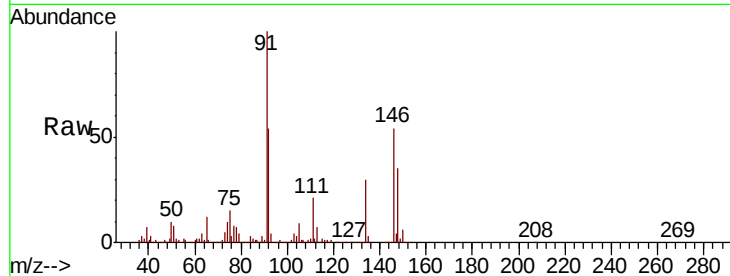
#91
 1,2-Dichlorobenzene
 Concen: 21.734 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166140		
111	38.3	18.9	56.5	
148	64.7	32.1	96.3	

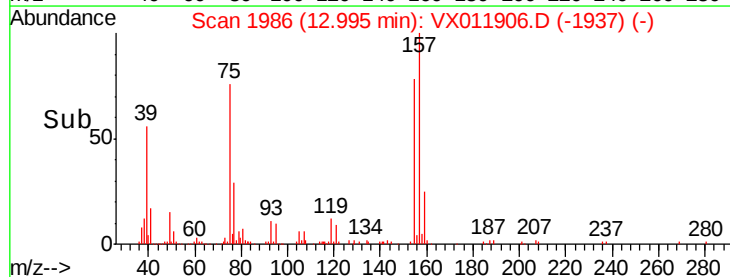
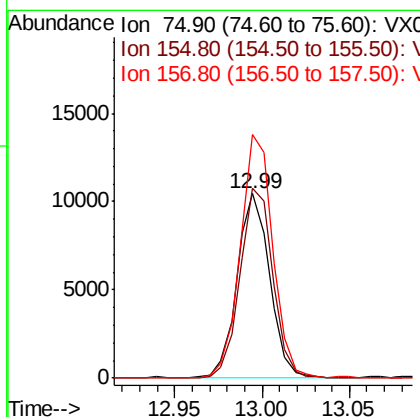
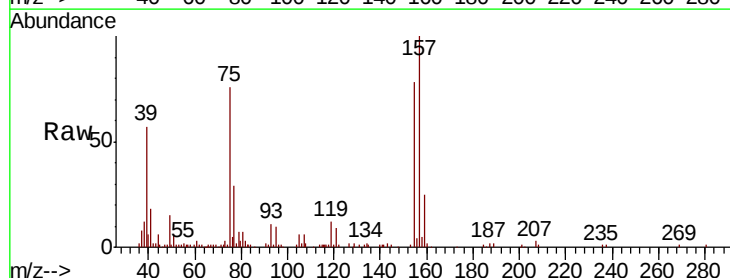
Manual Integrations
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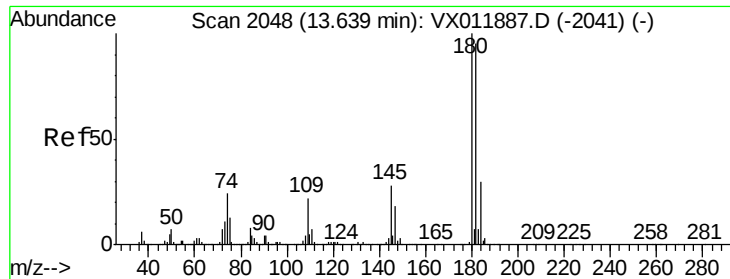
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.762 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13533		
155	103.4	50.1	150.4	
157	132.0	63.9	191.7	





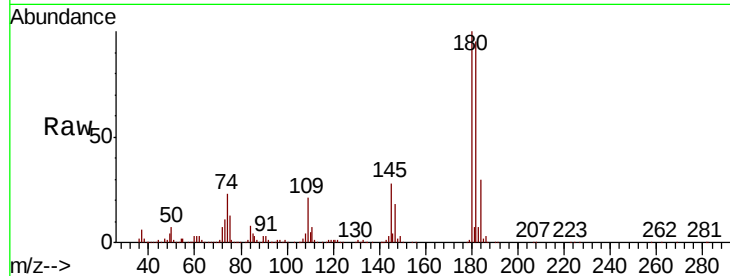
#93
 1,2,4-Trichlorobenzene
 Concen: 21.763 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140083		
182	95.9	48.1	144.4	
145	27.5	13.8	41.3	

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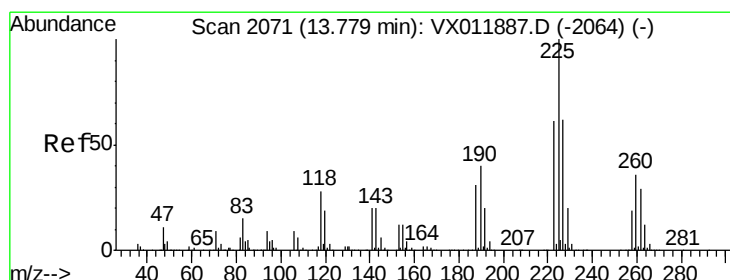
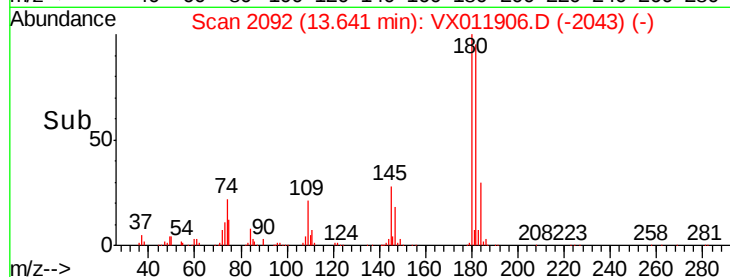
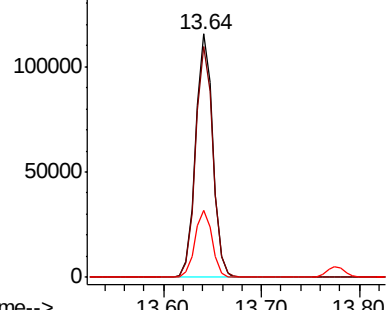


Abundance

Ion 179.80 (179.50 to 180.50): V

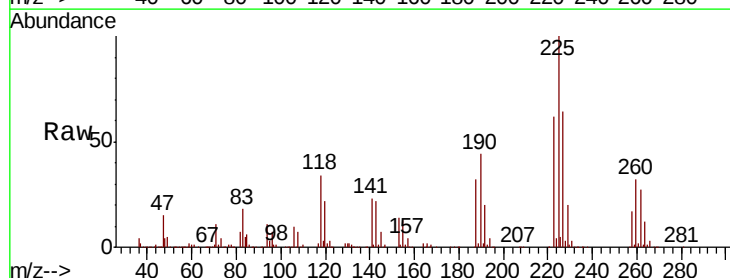
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.459 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011906.D
 Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92241		
223	63.5	30.8	92.3	
227	65.2	31.9	95.7	

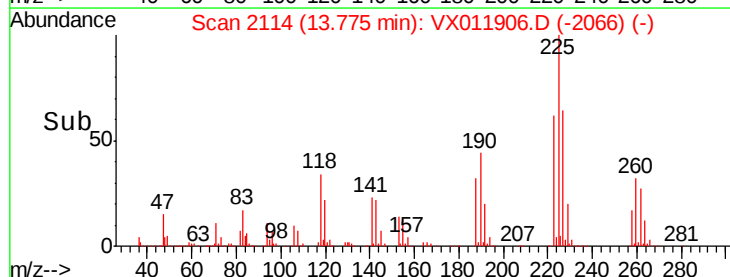
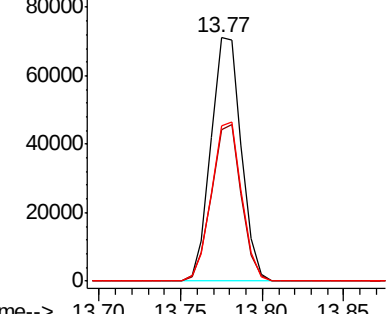


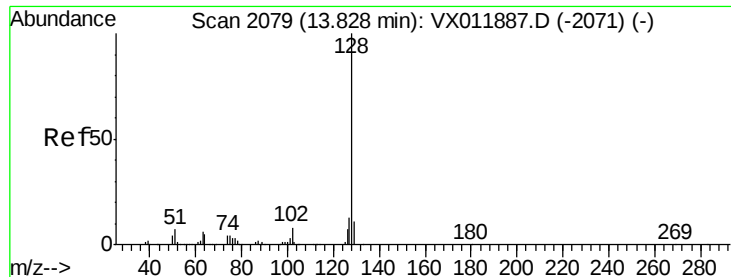
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





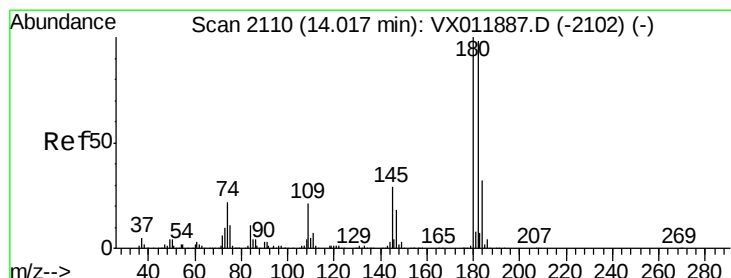
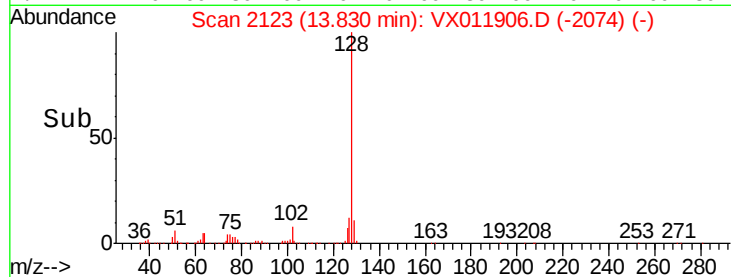
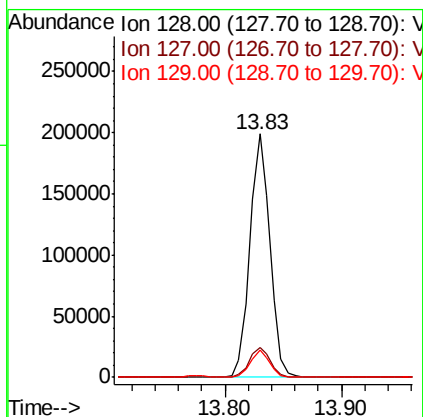
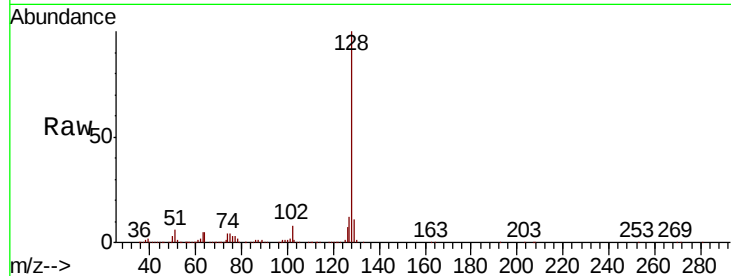
#95
Naphthalene
Concen: 21.672 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0830SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.8	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 21.401 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX011906.D
Acq: 30 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.3	144.8
145	29.2	14.6	43.8

