

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090119\
 Data File : VX011995.D
 Acq On : 01 Sep 2019 16:35
 Operator : SY/SP
 Sample : VX0901SBSD02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 2:04:53 AM

Quant Time: Sep 02 04:47:05 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	5.64	168	380046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	494392	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	462849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	279258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	165102	45.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.68%	
35) Dibromofluoromethane	5.48	113	156825	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	8.71	98	565600	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	11.13	95	236625	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	52119	22.722	ug/l	98
3) Chloromethane	1.31	50	48201	18.127	ug/l	100
4) Vinyl Chloride	1.39	62	49869	19.640	ug/l	99
5) Bromomethane	1.62	94	36142	20.572	ug/l	98
6) Chloroethane	1.70	64	31452	19.903	ug/l	97
7) Trichlorofluoromethane	1.91	101	92462	20.968	ug/l	100
8) Diethyl Ether	2.17	74	27862	18.385	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	60102	20.912	ug/l	97
10) Methyl Iodide	2.49	142	40652	15.679	ug/l	99
11) Tert butyl alcohol	3.03	59	35404	101.065	ug/l	98
12) 1,1-Dichloroethene	2.36	96	53473	20.033	ug/l	96
13) Acrolein	2.28	56	15919	91.301	ug/l	96
14) Allyl chloride	2.71	41	91748	18.324	ug/l	97
15) Acrylonitrile	3.12	53	79211	95.157	ug/l	98
16) Acetone	2.43	43	75865	96.836	ug/l	99
17) Carbon Disulfide	2.55	76	133676	17.460	ug/l	100
18) Methyl Acetate	2.76	43	41111	18.957	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	170357	19.700	ug/l	99
20) Methylene Chloride	2.84	84	64522	15.958	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	61137	19.444	ug/l	98
22) Diisopropyl ether	3.84	45	192203	18.803	ug/l	93
23) Vinyl Acetate	3.80	43	621646	94.591	ug/l	99
24) 1,1-Dichloroethane	3.68	63	107778	19.120	ug/l	99
25) 2-Butanone	4.66	43	109742	96.177	ug/l	99
26) 2,2-Dichloropropane	4.56	77	101381	21.444	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	74219	20.040	ug/l	99
28) Bromochloromethane	5.00	49	47343	18.717	ug/l	96
29) Tetrahydrofuran	5.11	42	68333	95.946	ug/l	97
30) Chloroform	5.19	83	120477	19.989	ug/l	96
31) Cyclohexane	5.56	56	90779	19.966	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	111545	20.835	ug/l	99
36) 1,1-Dichloropropene	5.79	75	82422	21.043	ug/l	99
37) Ethyl Acetate	4.82	43	47337	20.417	ug/l	99
38) Carbon Tetrachloride	5.77	117	101599	22.366	ug/l	100

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MMDadoda
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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)
39) Methylcyclohexane	7.45	83	102792	22.033	ug/l	95
40) Benzene	6.13	78	243921	20.863	ug/l	100
41) Methacrylonitrile	5.03	41	27548	20.180	ug/l	98
42) 1,2-Dichloroethane	6.18	62	84634	21.287	ug/l	100
43) Isopropyl Acetate	6.43	43	95119	20.235	ug/l	99
44) Trichloroethene	7.20	130	78720	21.762	ug/l	97
45) 1,2-Dichloropropane	7.50	63	62082	20.300	ug/l	99
46) Dibromomethane	7.65	93	38276	21.089	ug/l	97
47) Bromodichloromethane	7.89	83	93654	20.809	ug/l	97
48) Methyl methacrylate	7.76	41	47295	20.679	ug/l	99
49) 1,4-Dioxane	7.73	88	13432	427.074	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	244188	102.258	ug/l	98
52) Toluene	8.78	92	163026	21.077	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	96067	20.838	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	106647	20.608	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	56680	21.332	ug/l	97
56) Ethyl methacrylate	9.17	69	75226	20.399	ug/l	99
57) 1,3-Dichloropropane	9.37	76	91899	20.838	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	183913	104.710	ug/l	97
59) 2-Hexanone	9.49	43	175140	103.251	ug/l	98
60) Dibromochloromethane	9.57	129	76897	21.548	ug/l	99
61) 1,2-Dibromoethane	9.67	107	55622	21.114	ug/l	99
64) Tetrachloroethene	9.33	164	83650	22.468	ug/l	97
65) Chlorobenzene	10.14	112	193646	21.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	79786	21.997	ug/l	99
67) Ethyl Benzene	10.25	91	329945	21.626	ug/l	99
68) m/p-Xylenes	10.35	106	257787	43.758	ug/l	98
69) o-Xylene	10.70	106	124021	21.603	ug/l	99
70) Styrene	10.71	104	216181	21.364	ug/l	99
71) Bromoform	10.85	173	57048	22.243	ug/l #	99
73) Isopropylbenzene	11.01	105	345269	21.518	ug/l	100
74) N-amyl acetate	10.89	43	93363	19.607	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.26	83	68311	20.802	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	49401m	17.983	ug/l	
77) Bromobenzene	11.25	156	99423	21.365	ug/l	97
78) n-propylbenzene	11.35	91	390040	21.437	ug/l	99
79) 2-Chlorotoluene	11.42	91	229415	20.947	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	291492	21.047	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	21553	19.710	ug/l	98
82) 4-Chlorotoluene	11.51	91	276891	20.957	ug/l	99
83) tert-Butylbenzene	11.76	119	309366	22.014	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	297751	20.978	ug/l	100
85) sec-Butylbenzene	11.94	105	356589	21.846	ug/l	99
86) p-Isopropyltoluene	12.06	119	345916	21.855	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	185589	21.458	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	184527	21.105	ug/l	99
89) n-Butylbenzene	12.39	91	299210	21.367	ug/l	99
90) Hexachloroethane	12.59	117	63782	20.830	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	174257	21.671	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13067	19.976	ug/l	97

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ClientSampleId :
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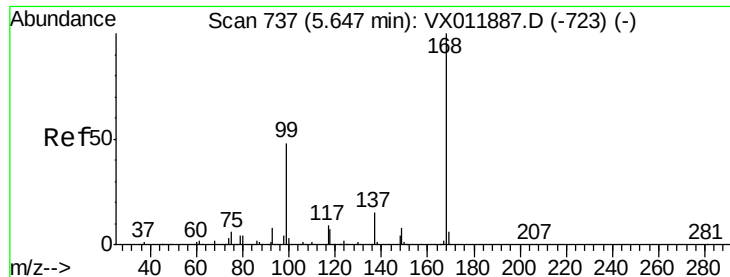
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	141020	20.828	µg/l	99
94) Hexachlorobutadiene	13.78	225	102006	22.559	µg/l	98
95) Naphthalene	13.83	128	227082	19.542	µg/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	125752	20.539	µg/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBSD02

Tot Ion:168 Resp: 380046

Ion Ratio Lower Upper

168 100

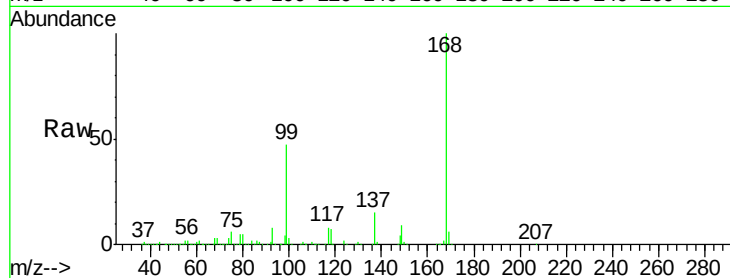
99 46.5 38.4 57.6

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

150000

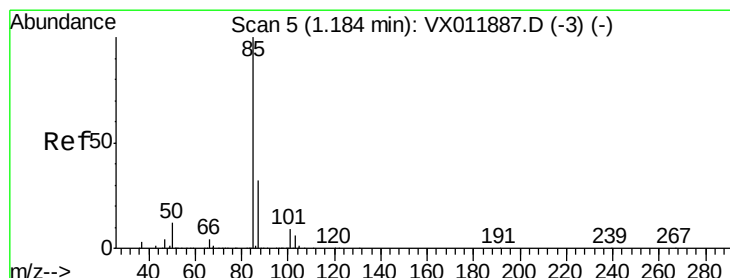
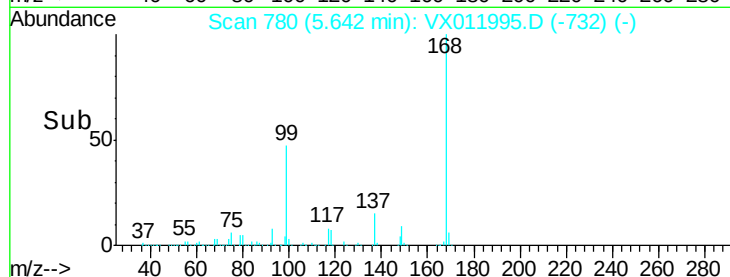
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.722 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011995.D

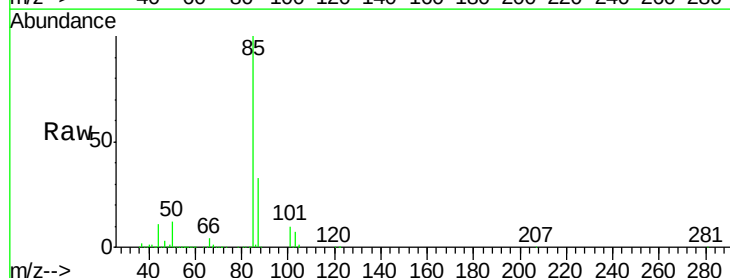
Acq: 01 Sep 2019 16:35

Tgt Ion: 85 Resp: 52119

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

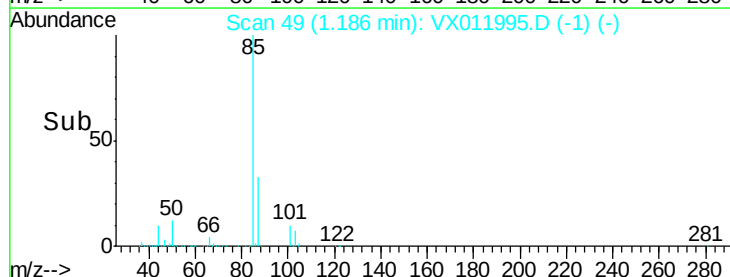
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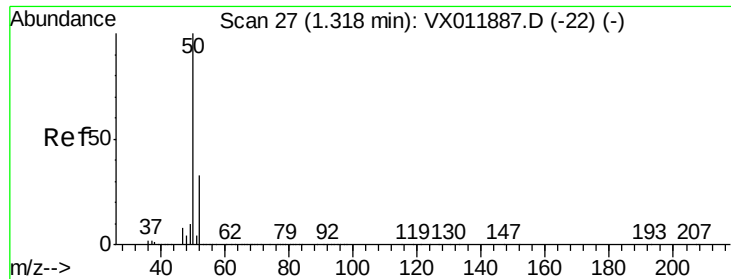
10000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 18.127 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBSD02

Tot Ion: 50 Resp: 48201

Ion Ratio Lower Upper

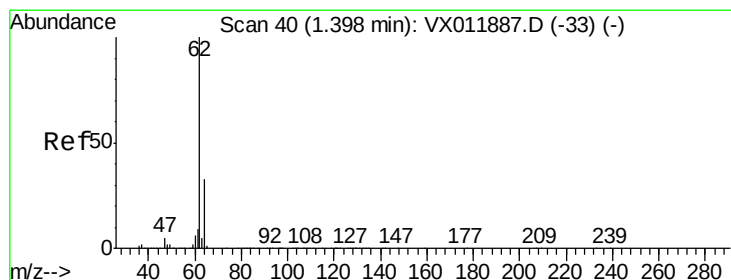
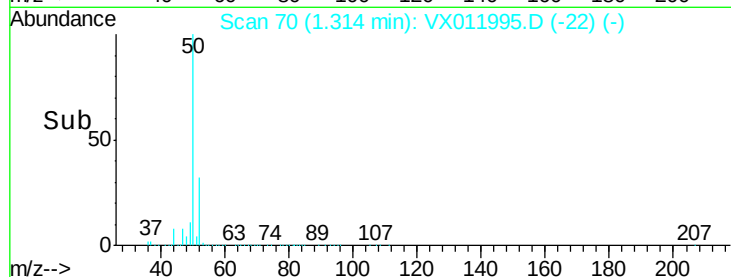
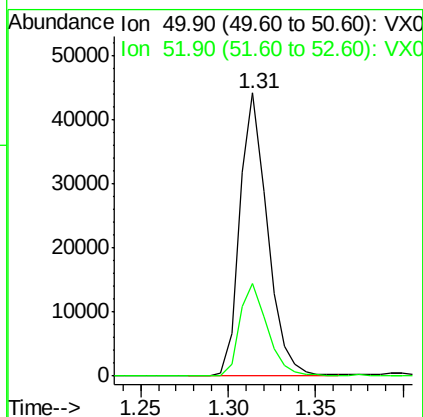
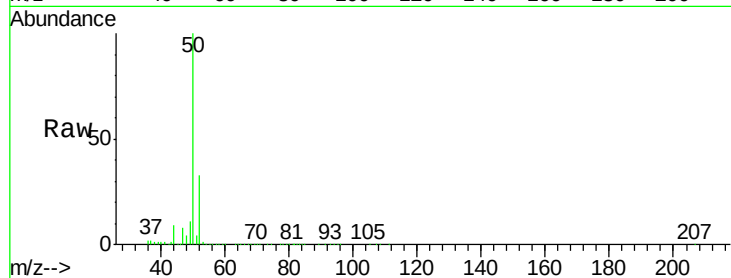
50 100

52 32.7 26.0 39.0

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#4

Vinyl Chloride

Concen: 19.640 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011995.D

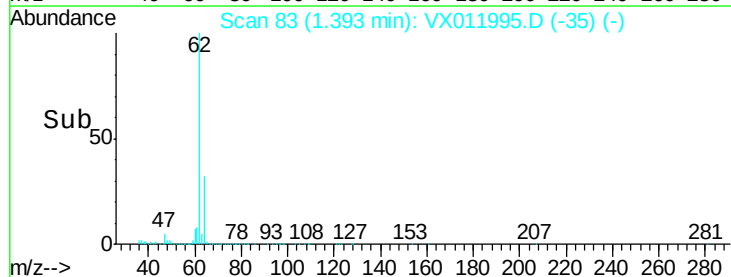
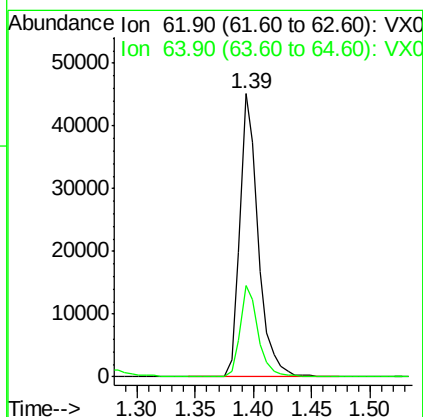
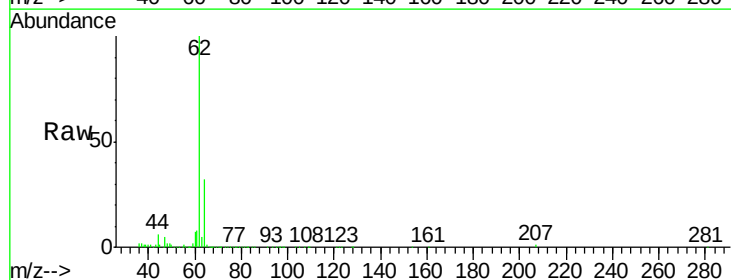
Acq: 01 Sep 2019 16:35

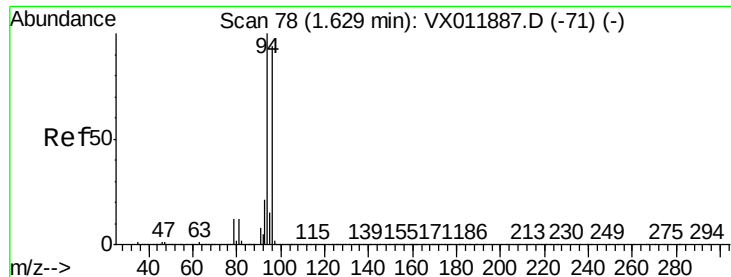
Tgt Ion: 62 Resp: 49869

Ion Ratio Lower Upper

62 100

64 32.1 26.0 39.0





#5

Bromomethane

Concen: 20.572 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBSD02

Tot Ion: 94 Resp: 36142

Ion Ratio Lower Upper

94 100

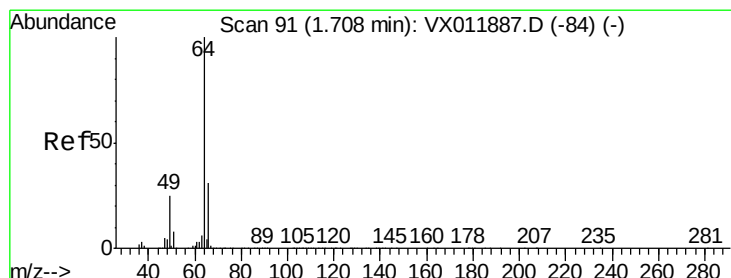
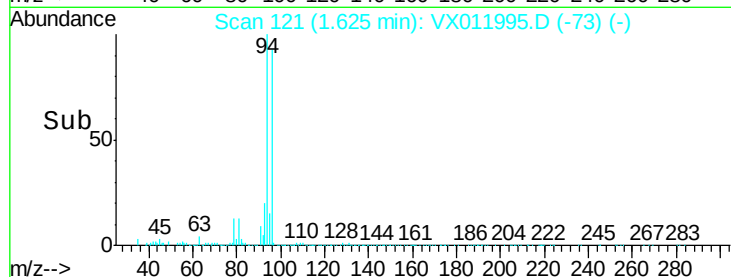
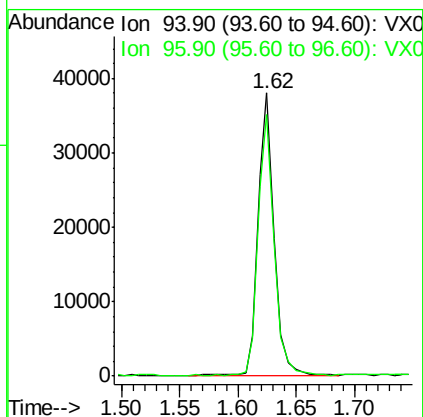
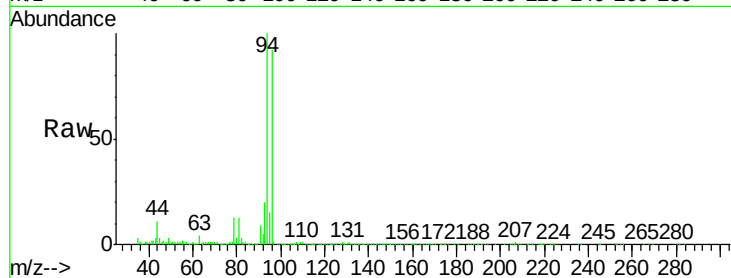
96 92.2 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 19.903 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX011995.D

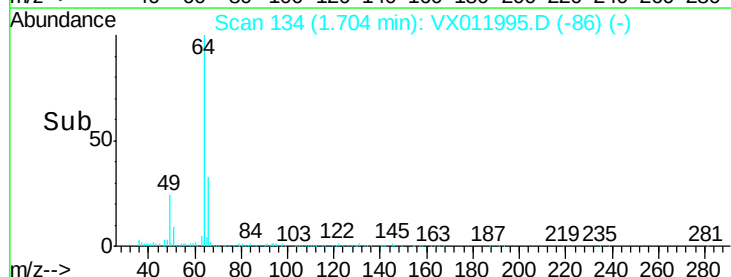
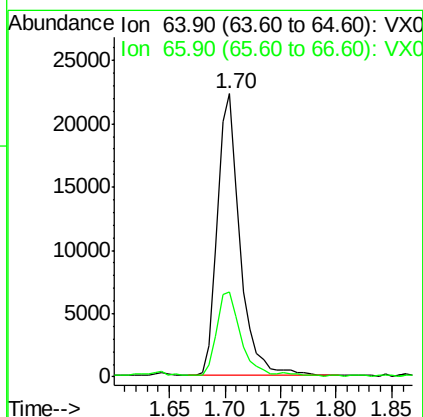
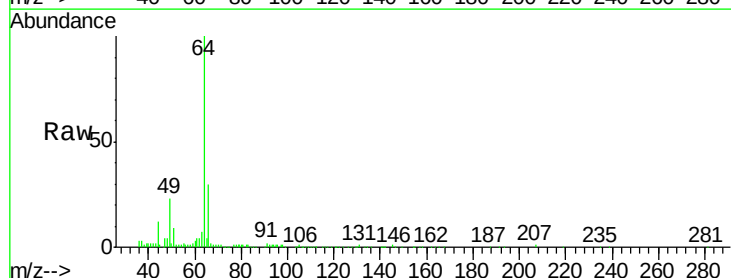
Acq: 01 Sep 2019 16:35

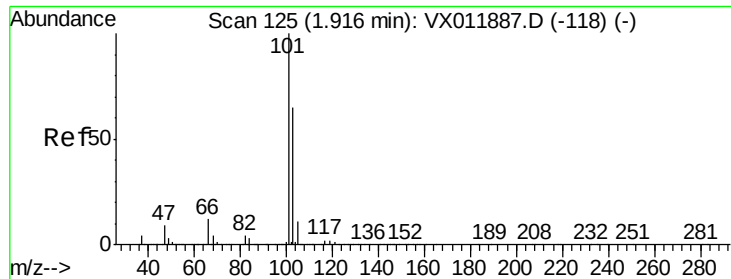
Tgt Ion: 64 Resp: 31452

Ion Ratio Lower Upper

64 100

66 29.8 25.0 37.4





#7

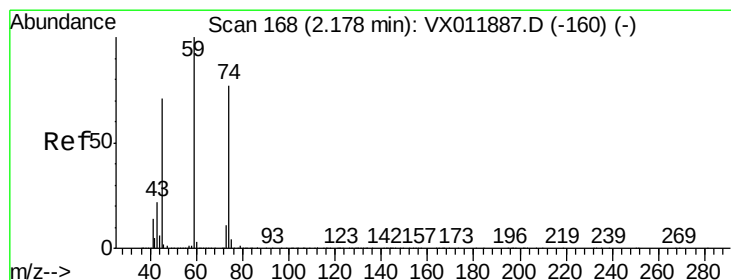
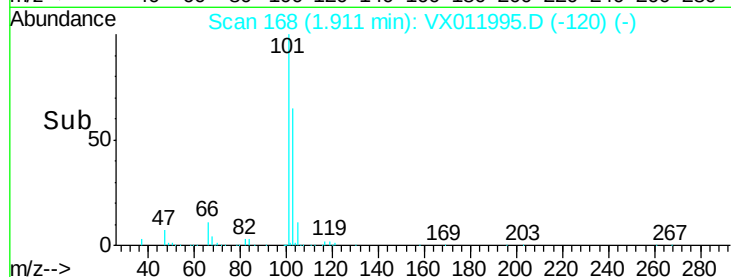
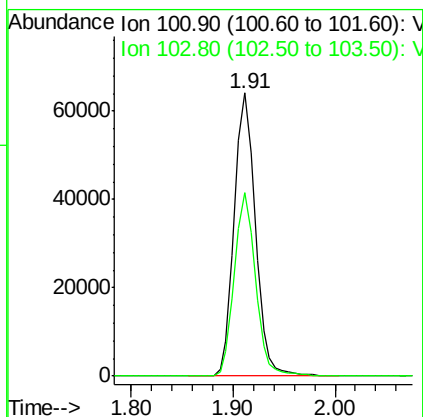
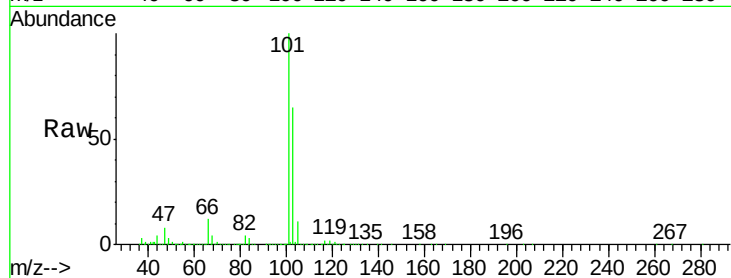
Trichlorofluoromethane
Concen: 20.968 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.6	77.4

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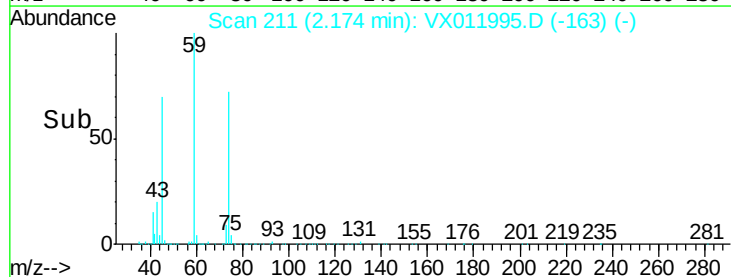
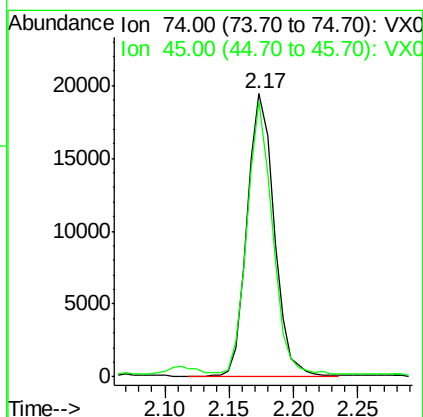
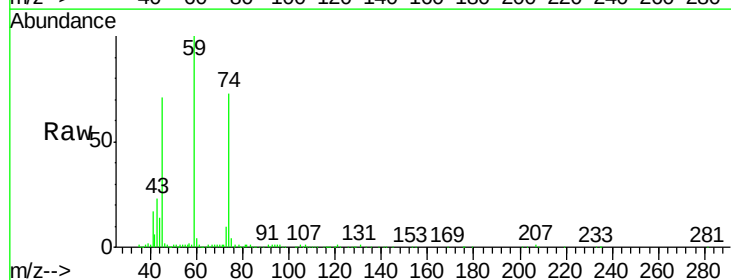
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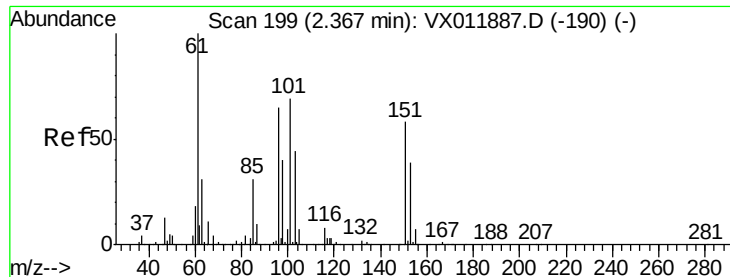


#8

Diethyl Ether
Concen: 18.385 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.1	46.7	140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.912 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

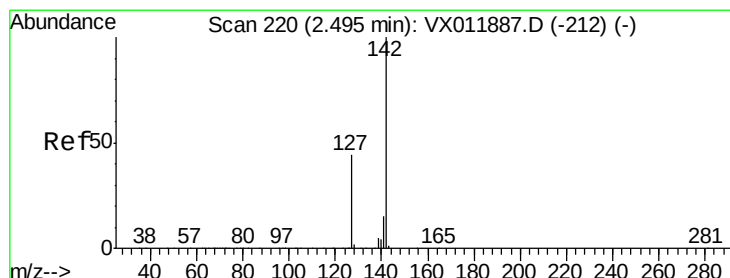
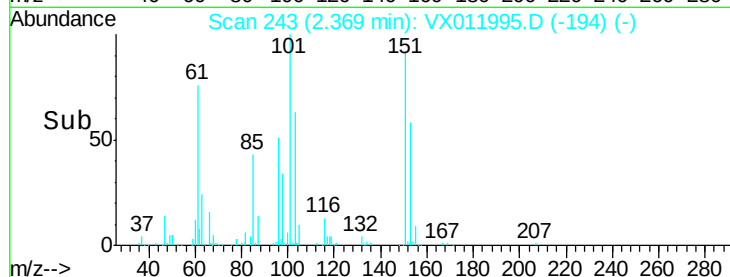
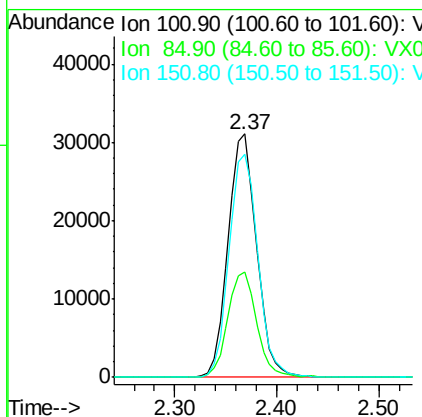
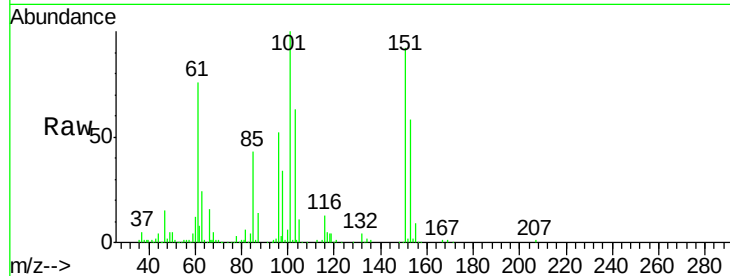
ClientSampleId :

VX0901SBSD02

Tot Ion:	101	Resp:	60102
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.9	52.3
151	92.8	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 15.679 ug/l

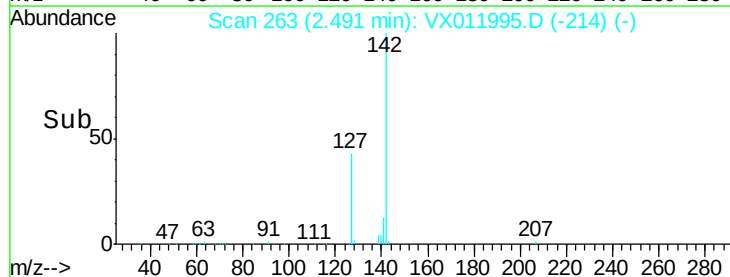
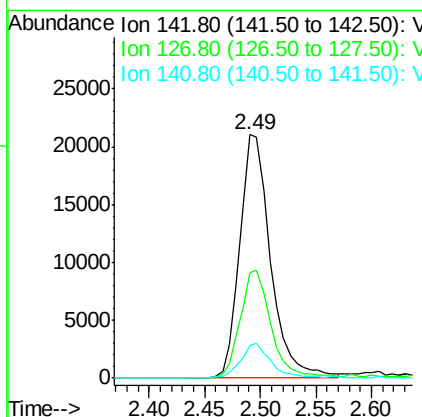
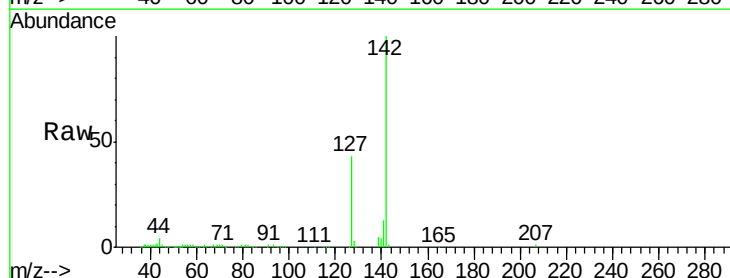
RT: 2.49 min Scan# 263

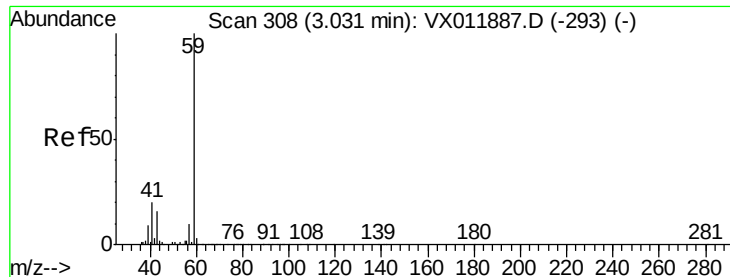
Delta R.T. -0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Tgt Ion:	142	Resp:	40652
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.7	53.5
141	14.1	11.8	17.6





#11

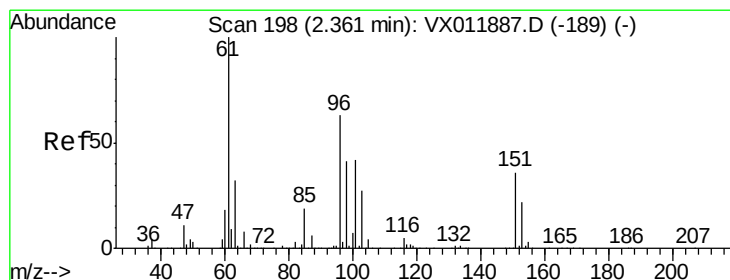
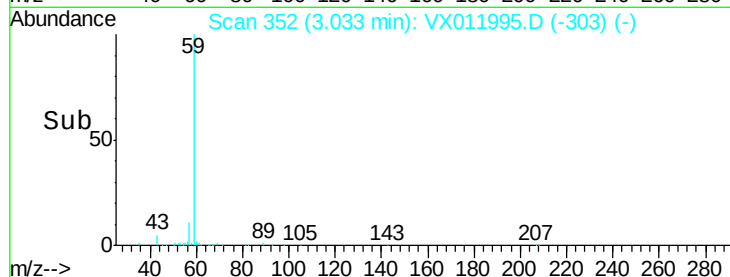
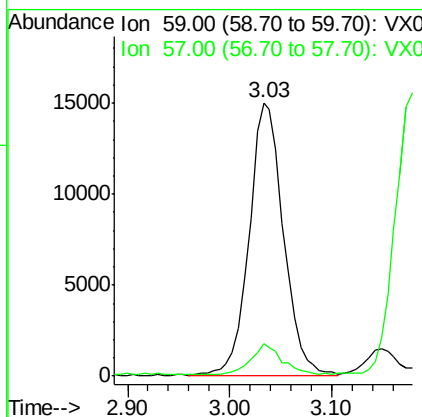
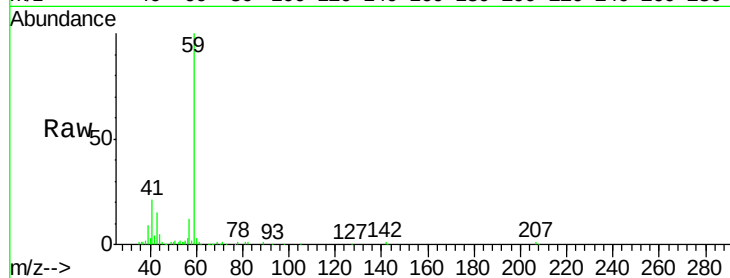
Tert butyl alcohol
Concen: 101.065 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	59	Resp	35404
Ion Ratio	100	Lower	Upper
57	9.8	8.6	12.8

Manual Integrations
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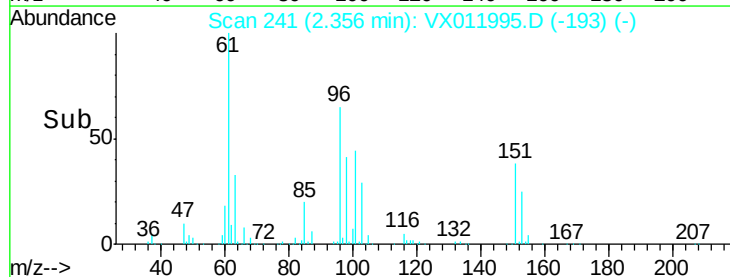
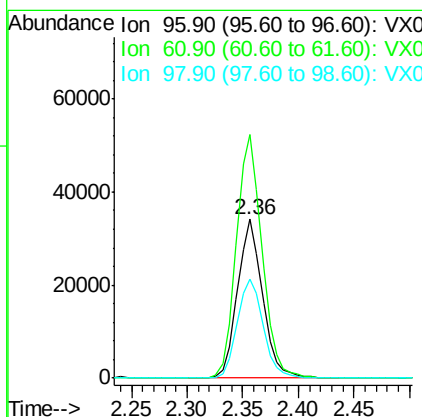
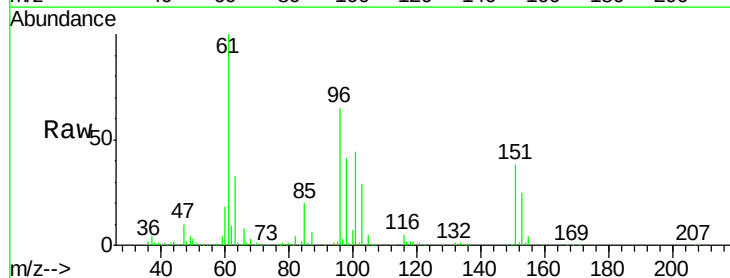
MMDadoda
9/5/2019 2:04:53 AM

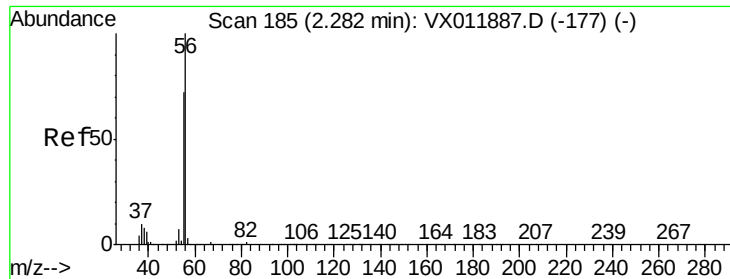


#12

1,1-Dichloroethene
Concen: 20.033 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	96	Resp	53473
Ion Ratio	100	Lower	Upper
61	153.2	126.6	190.0
98	62.4	51.6	77.4





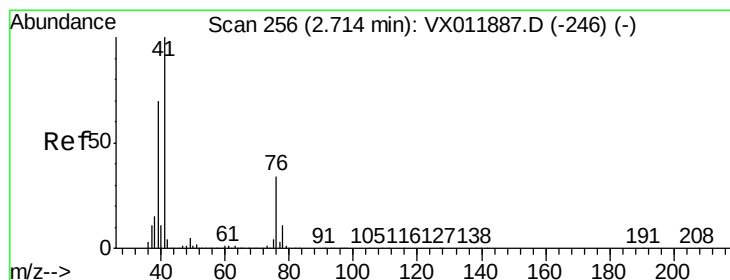
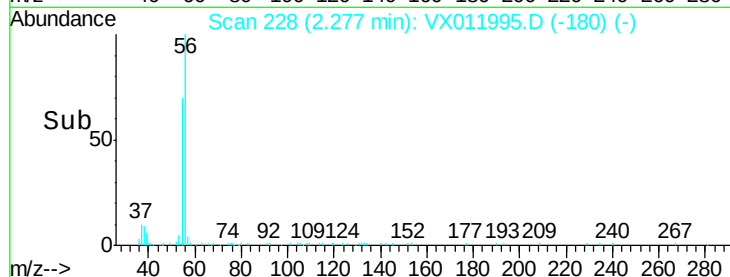
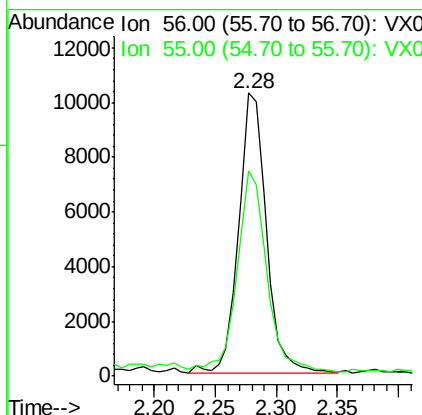
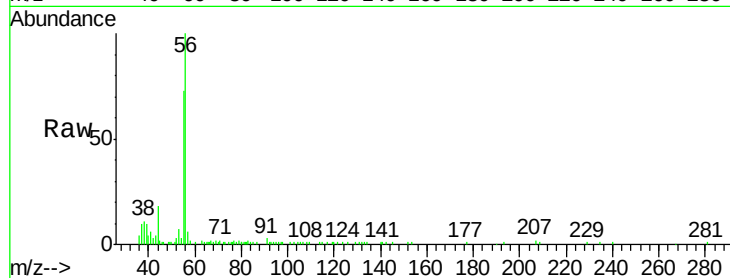
#13
Acrolein
Concen: 91.301 ug/l
RT: 2.28 min Scan# 228
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.9	58.6	88.0

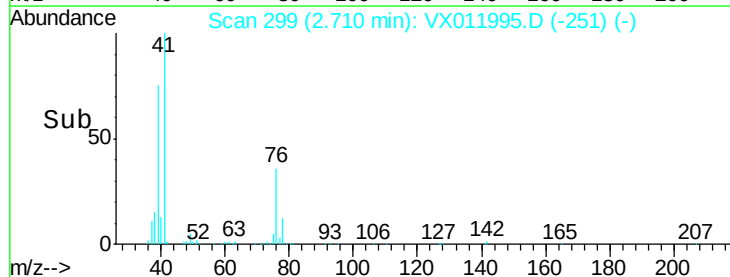
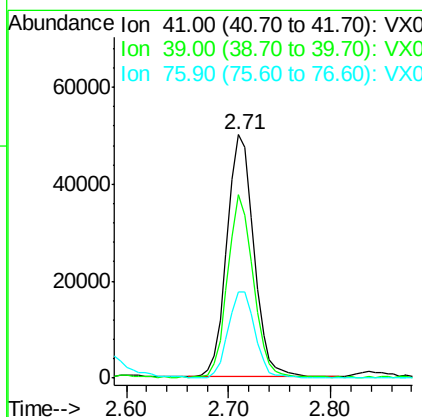
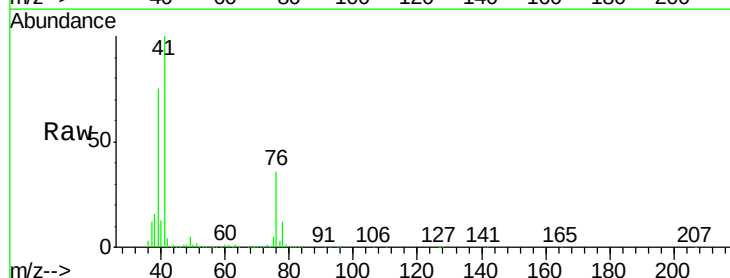
Manual Integrations
APPROVED

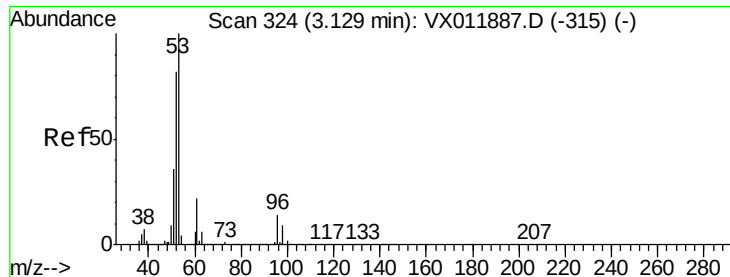
MMDadoda
9/5/2019 2:04:53 AM



#14
Allyl chloride
Concen: 18.324 ug/l
RT: 2.71 min Scan# 299
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.0	55.0	82.6
76	35.7	27.0	40.4





#15

Acrylonitrile

Concen: 95.157 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

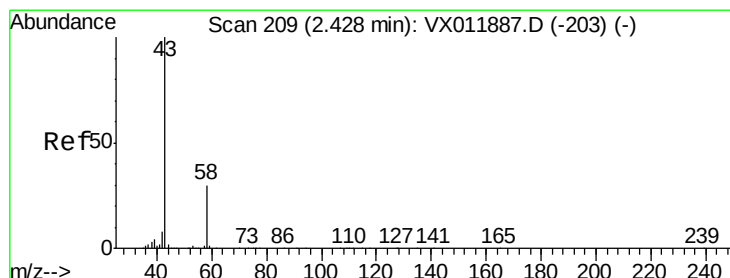
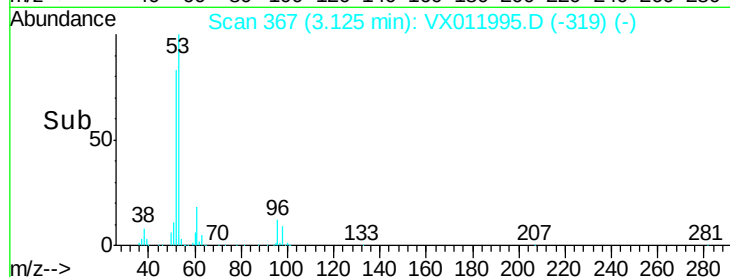
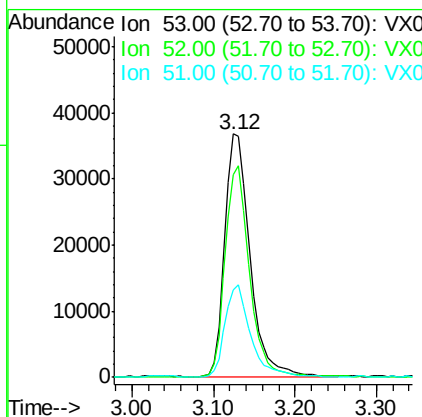
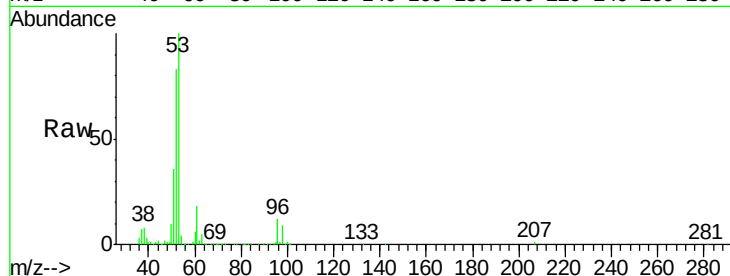
ClientSampleId :

VX0901SBS02

Tot Ion:	53	Resp:	79211
Ion Ratio	Lower	Upper	
53	100		
52	84.0	65.3	97.9
51	37.8	29.4	44.2

Manual Integrations
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9/5/2019 2:04:53 AM



#16

Acetone

Concen: 96.836 ug/l

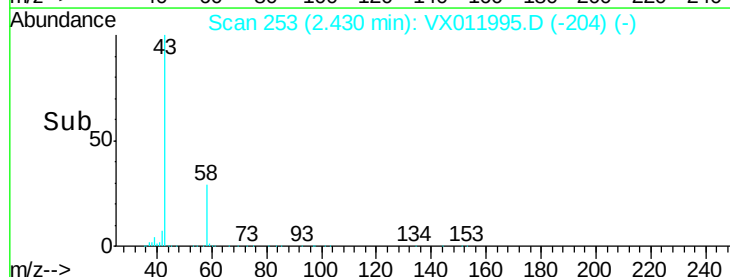
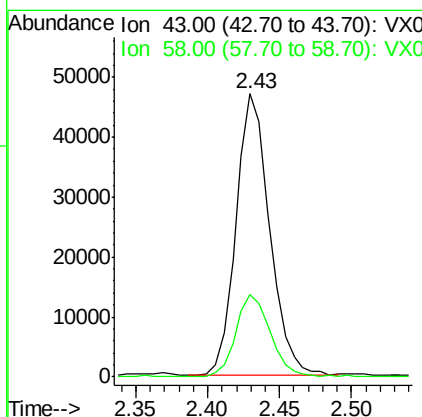
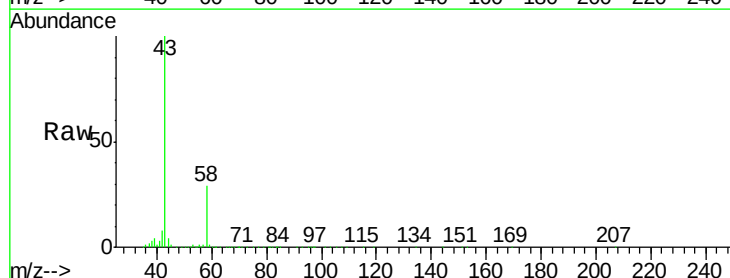
RT: 2.43 min Scan# 253

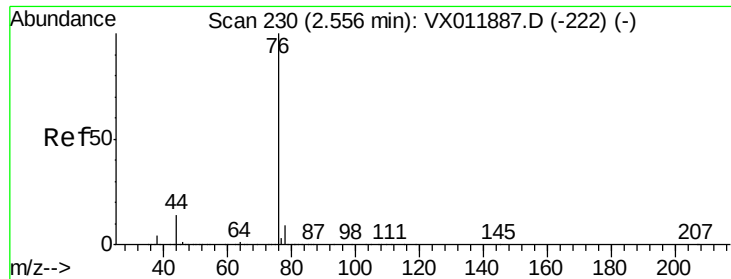
Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Tgt Ion:	43	Resp:	75865
Ion Ratio	Lower	Upper	
43	100		
58	29.1	23.8	35.8





#17

Carbon Disulfide

Concen: 17.460 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBSD02

Tot Ion: 76 Resp: 133676

Ion Ratio Lower Upper

76 100

78 9.0

7.3

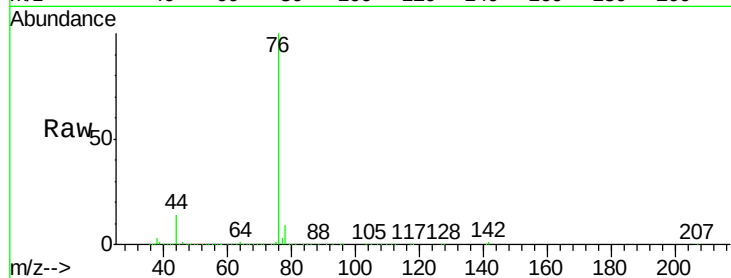
10.9

Manual Integrations

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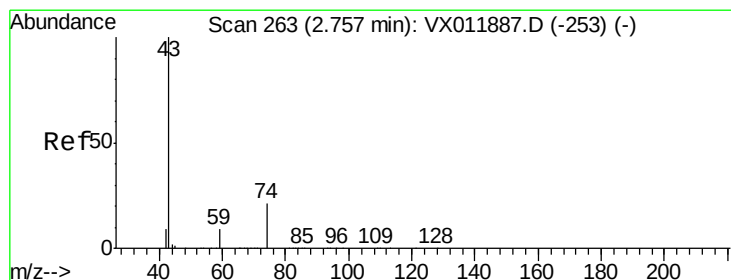
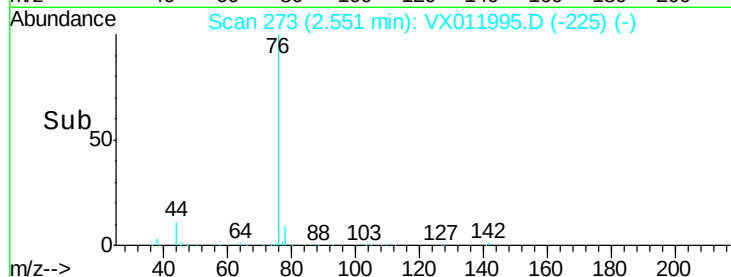
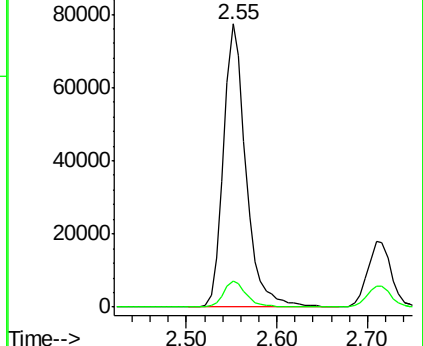
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 18.957 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Tgt Ion: 43 Resp: 41111

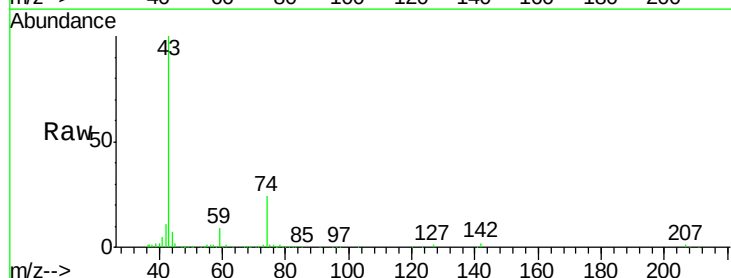
Ion Ratio Lower Upper

43 100

74 23.9

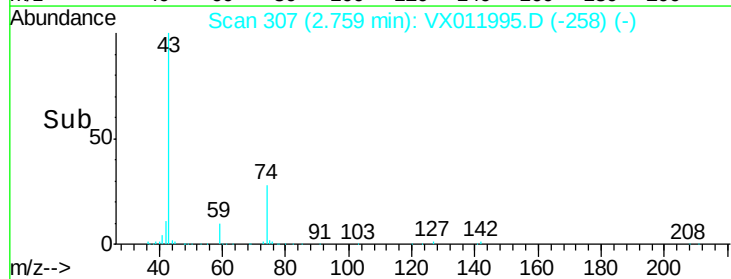
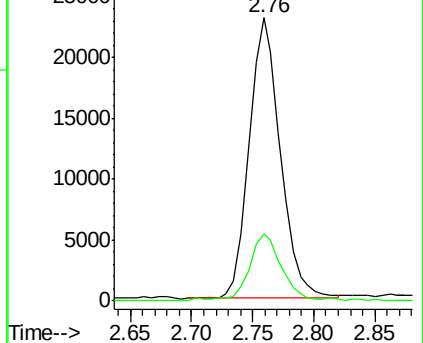
18.4

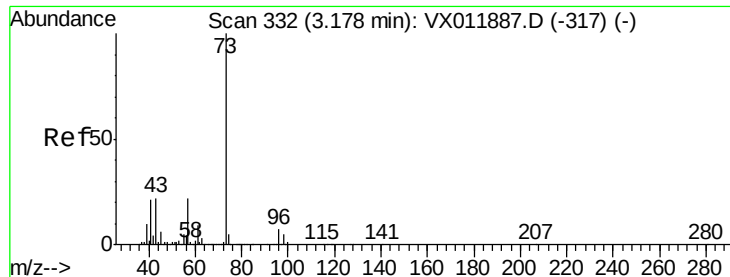
27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

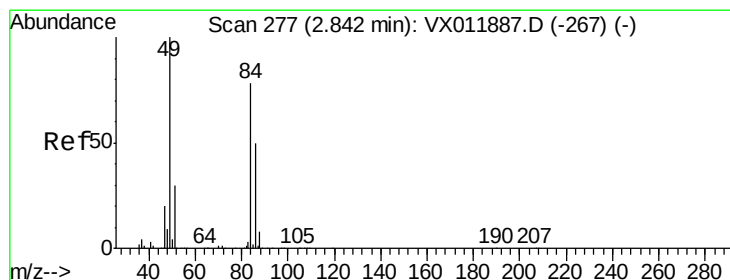
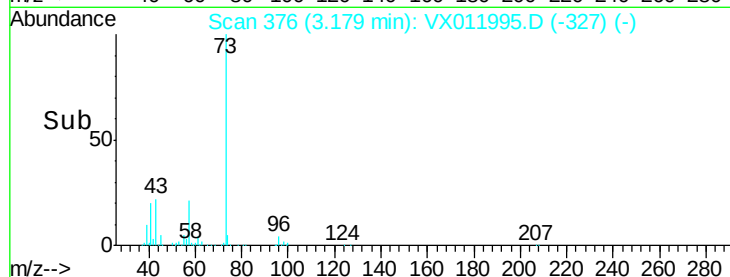
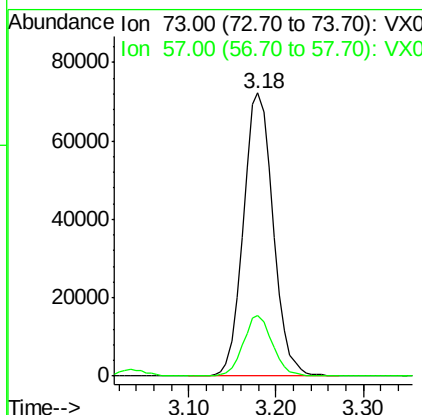
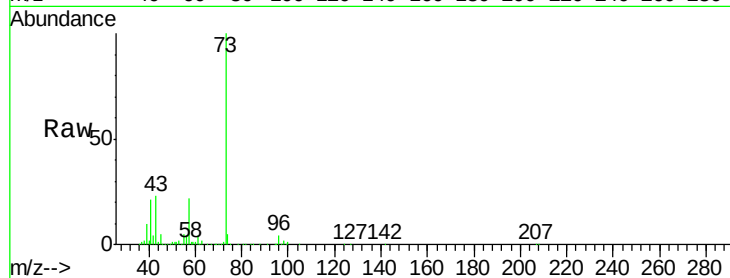
Methyl tert-butyl Ether
 Concen: 19.700 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.4	26.0

Manual Integrations
 APPROVED

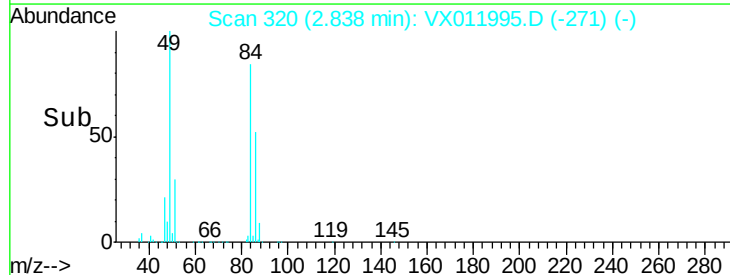
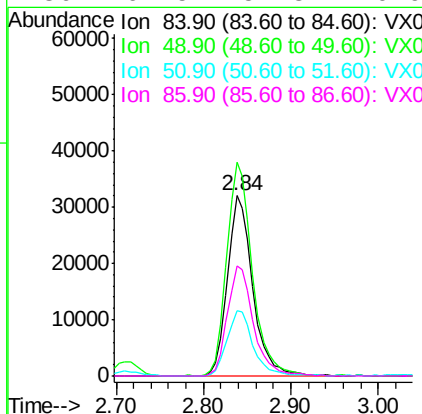
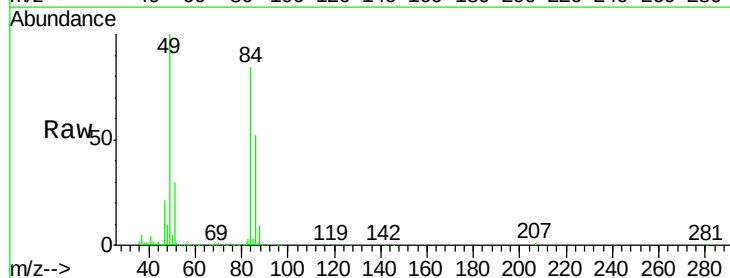
MMDadoda
 9/5/2019 2:04:53 AM

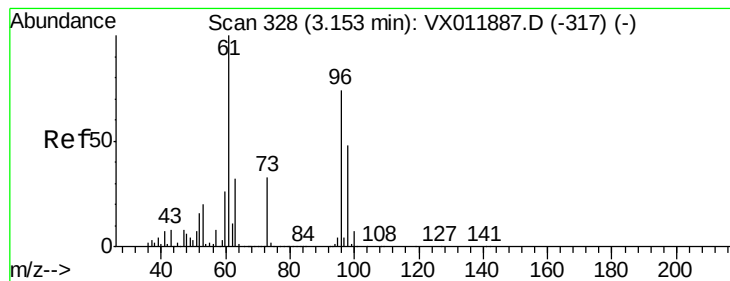


#20

Methylene Chloride
 Concen: 15.958 ug/l
 RT: 2.84 min Scan# 320
 Delta R.T. -0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.2	103.0	154.4
51	35.9	30.8	46.2
86	61.5	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 19.444 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

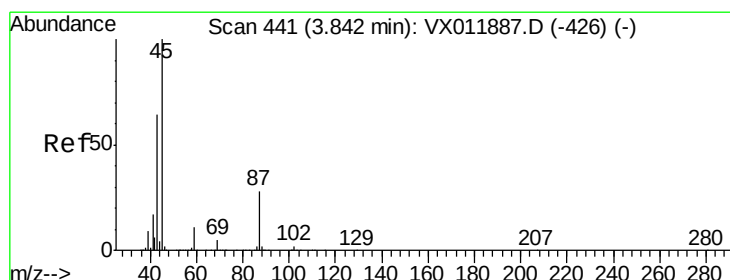
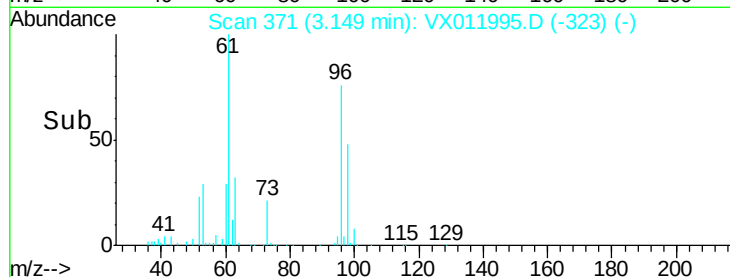
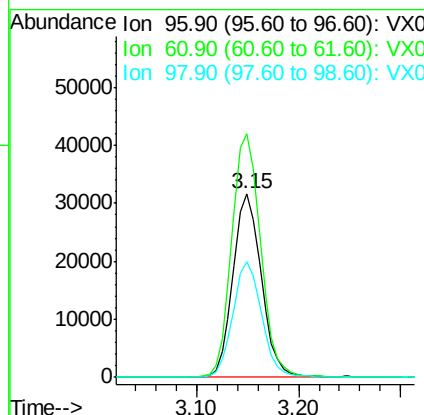
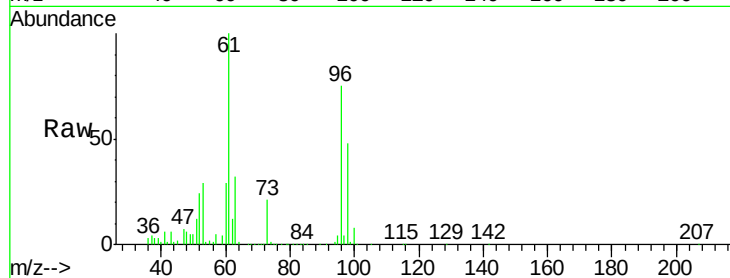
ClientSampleId :

VX0901SBSD02

Tot Ion:	96	Resp:	61137
Ion	Ratio	Lower	Upper
96	100		
61	132.4	107.4	161.2
98	63.1	51.4	77.2

Manual Integrations
APPROVED

MMDadoda
9/5/2019 2:04:53 AM



#22

Diisopropyl ether

Concen: 18.803 ug/l

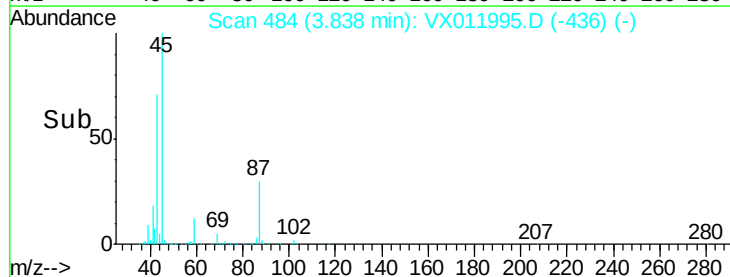
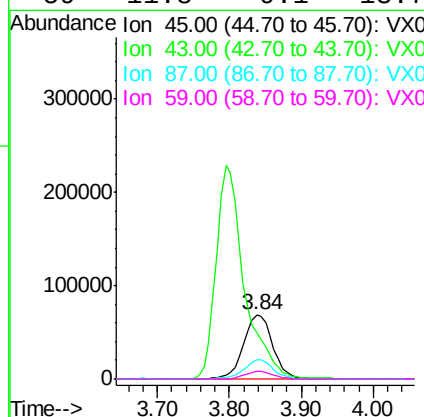
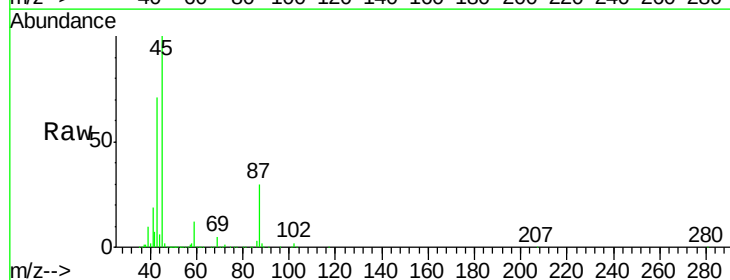
RT: 3.84 min Scan# 484

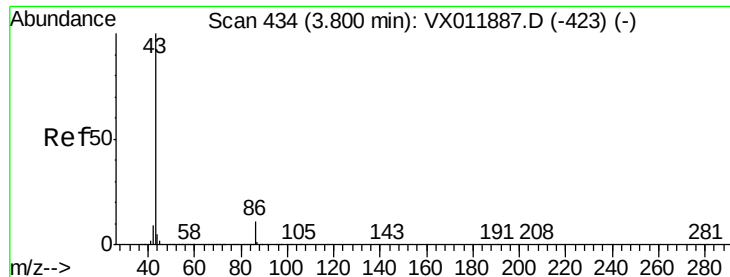
Delta R.T. -0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Tgt Ion:	45	Resp:	192203
Ion	Ratio	Lower	Upper
45	100		
43	71.1	51.0	76.6
87	30.3	22.0	33.0
59	11.8	9.1	13.7





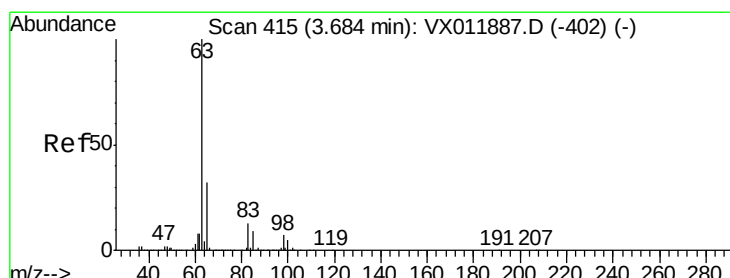
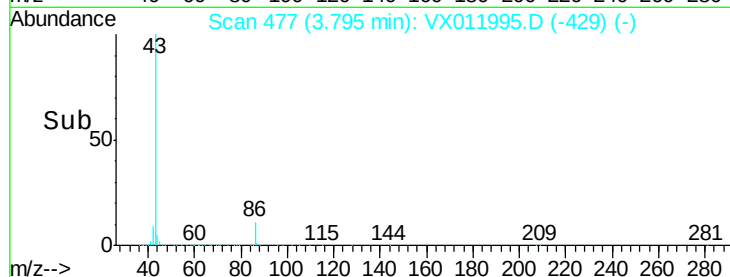
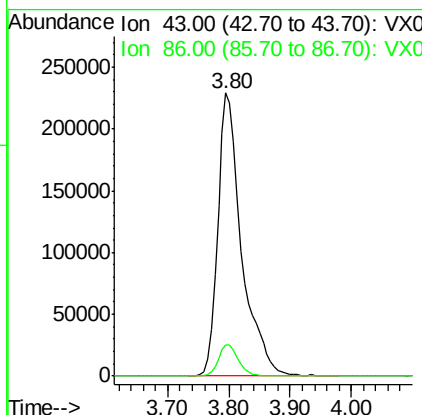
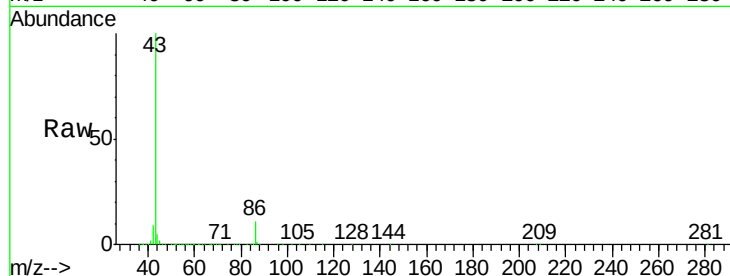
#23
 Vinyl Acetate
 Concen: 94.591 ug/l
 RT: 3.80 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0901SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.6	12.8

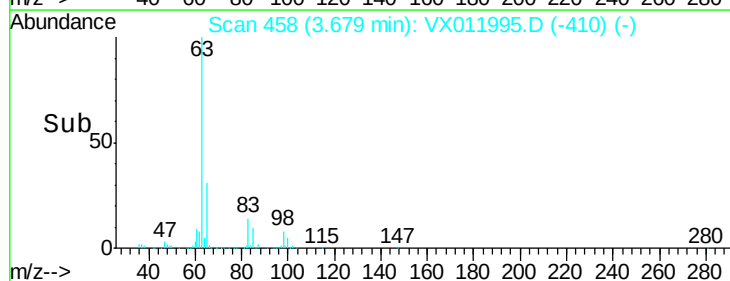
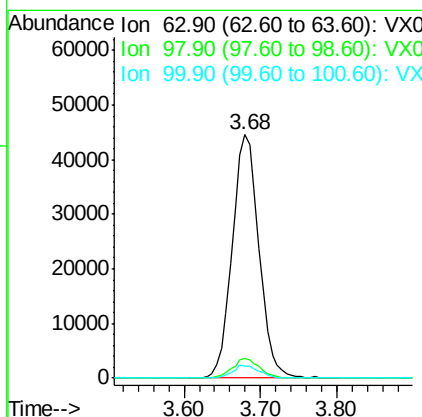
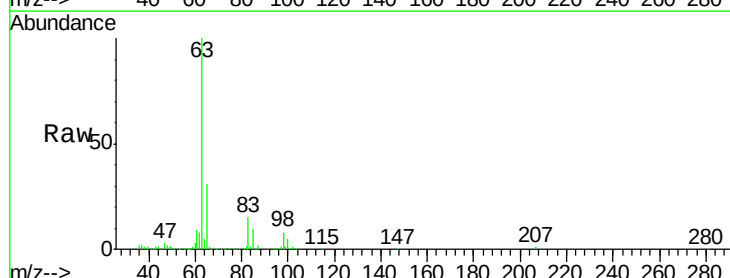
Manual Integrations
 APPROVED

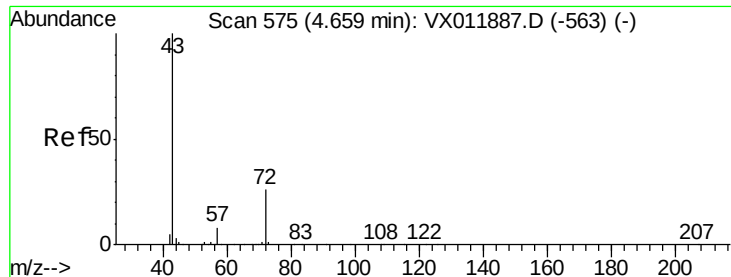
MMDadoda
 9/5/2019 2:04:53 AM



#24
 1,1-Dichloroethane
 Concen: 19.120 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.8	11.2
100	4.9	2.4	7.2





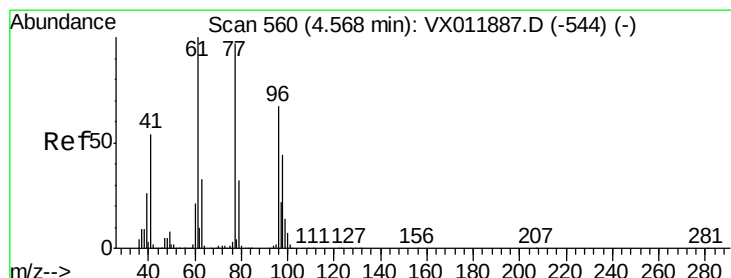
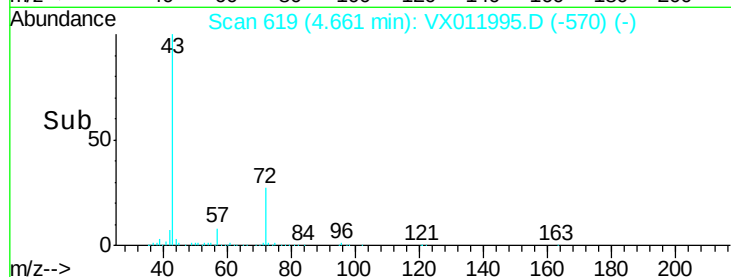
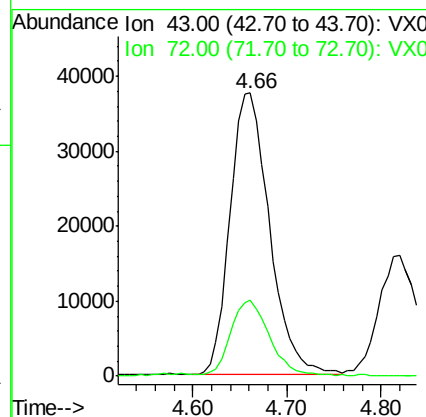
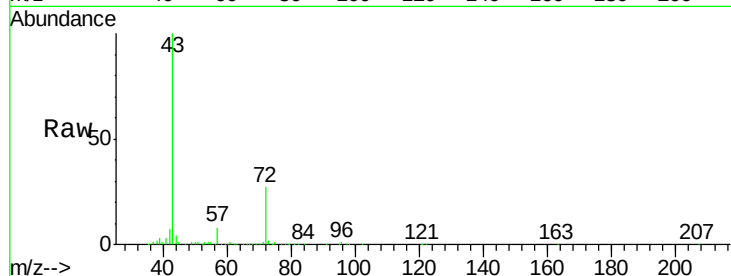
#25
2-Butanone
Concen: 96.177 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	43	Resp	109742
Ion Ratio	100	Lower	Upper
72	26.7	21.0	31.4

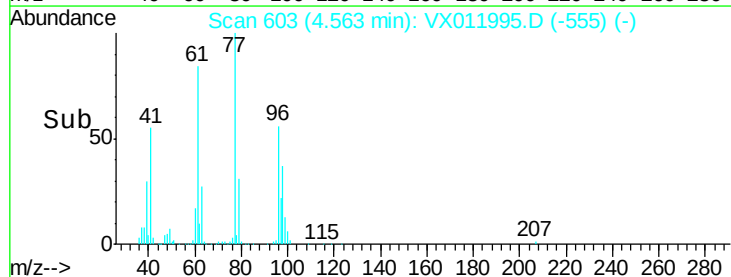
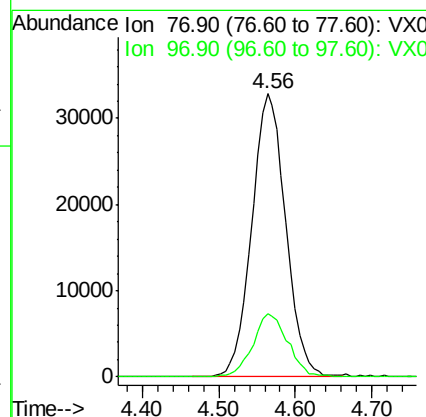
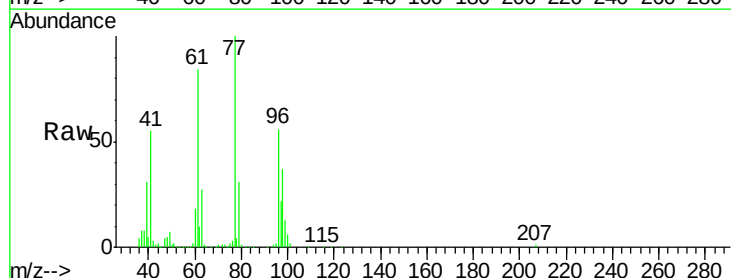
Manual Integrations
APPROVED

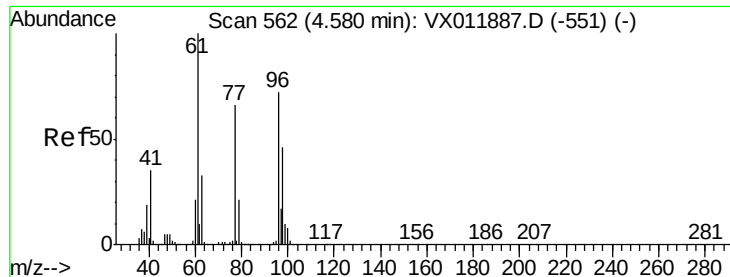
MMDadoda
9/5/2019 2:04:53 AM



#26
2,2-Dichloropropane
Concen: 21.444 ug/l
RT: 4.56 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	77	Resp	101381
Ion Ratio	100	Lower	Upper
97	23.0	11.7	35.1





#27

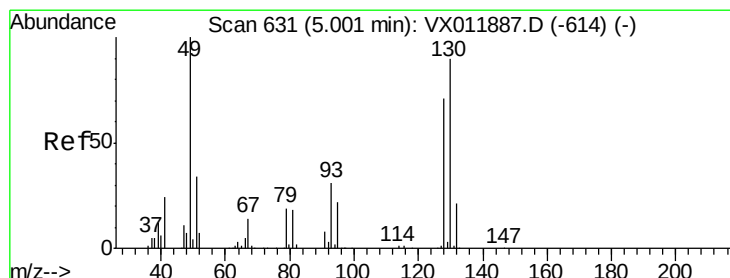
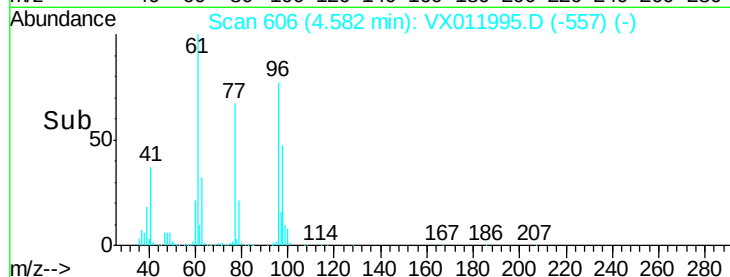
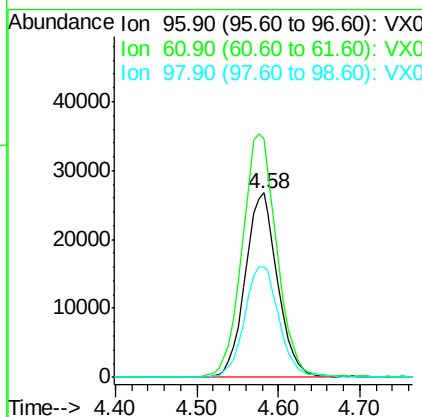
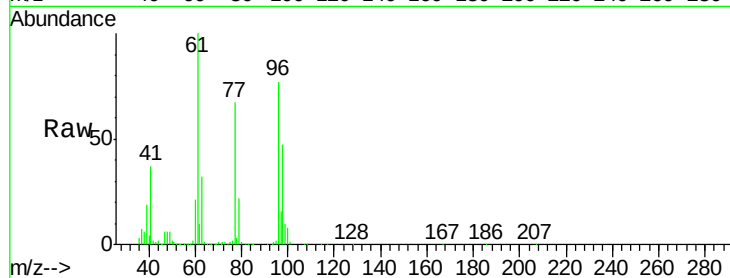
cis-1,2-Dichloroethene
Concen: 20.040 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	74219		
61	140.6		0.0	283.8
98	63.9		0.0	131.2

Manual Integrations
APPROVED

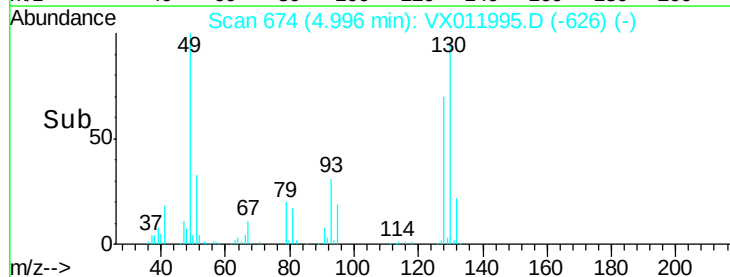
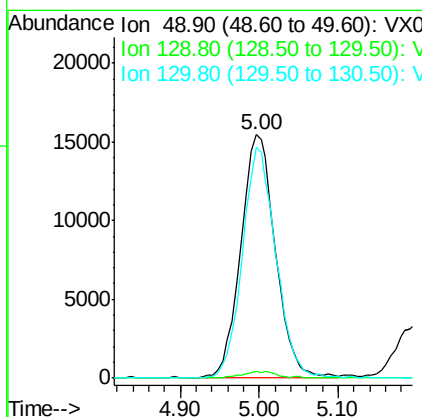
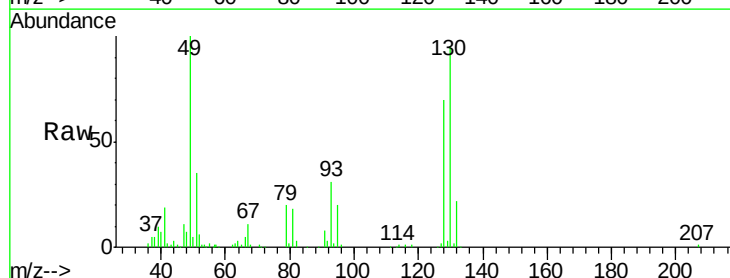
MMDadoda
9/5/2019 2:04:53 AM

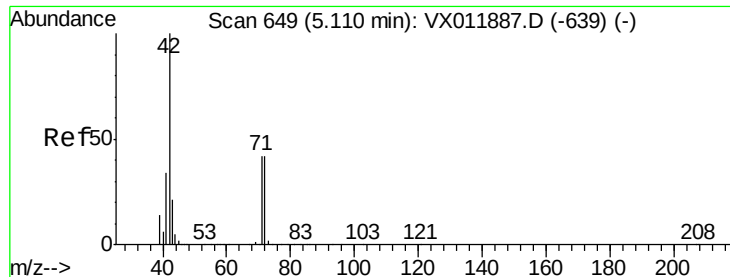


#28

Bromochloromethane
Concen: 18.717 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	47343		
129	2.6		0.0	4.8
130	91.6		70.6	105.8





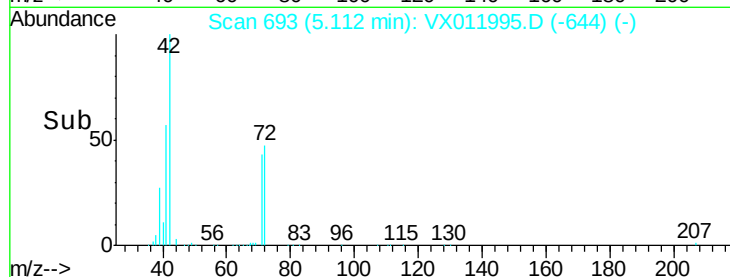
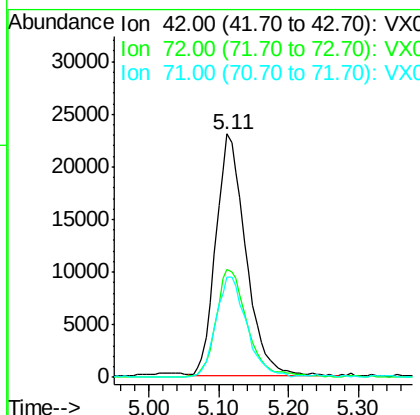
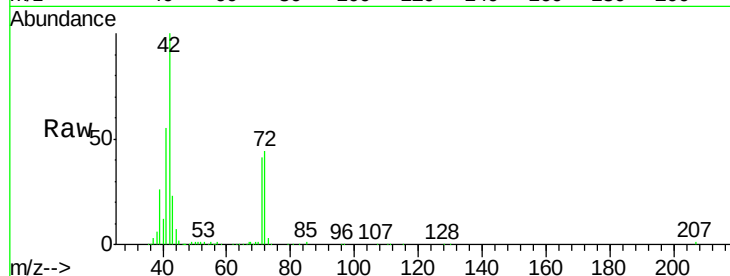
#29
Tetrahydrofuran
Concen: 95.946 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	36.2	54.4
71	42.9	33.1	49.7

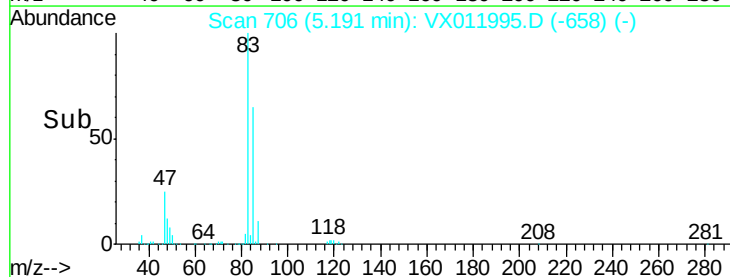
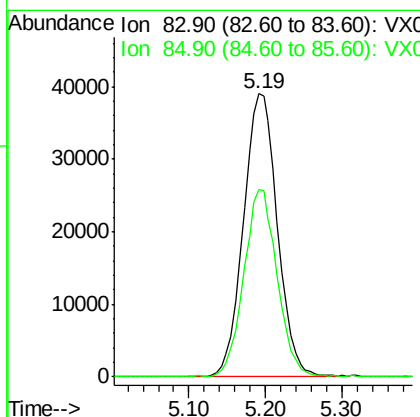
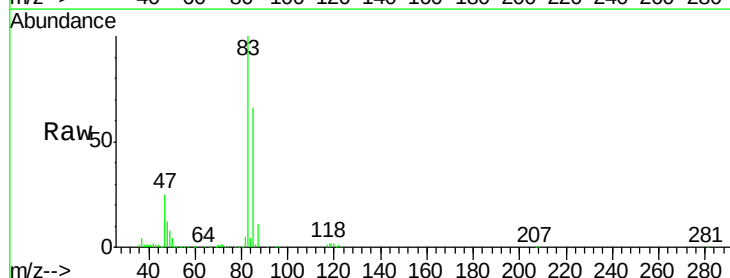
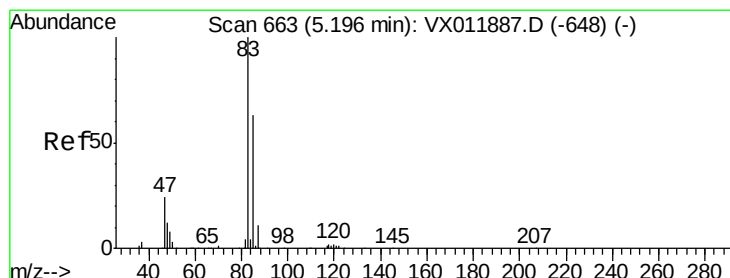
Manual Integrations
APPROVED

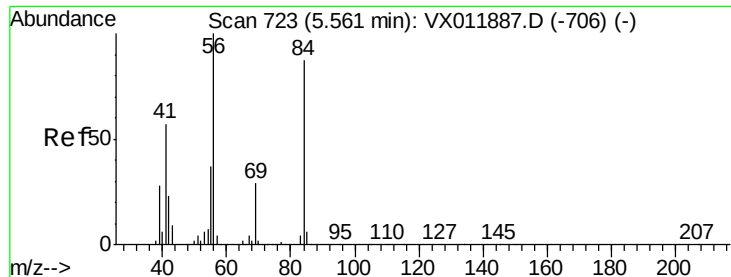
MMDadoda
9/5/2019 2:04:53 AM



#30
Chloroform
Concen: 19.989 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	50.6	75.8





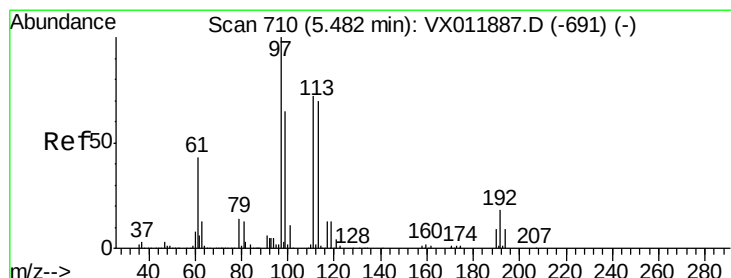
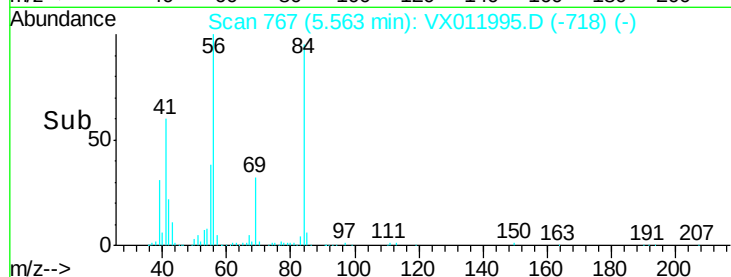
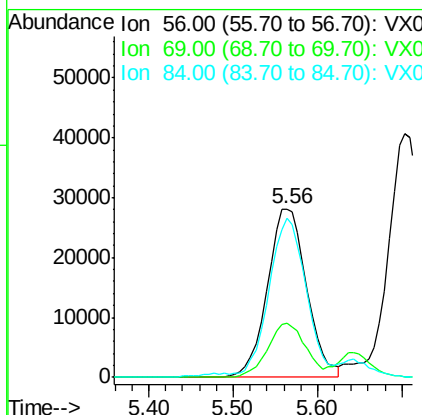
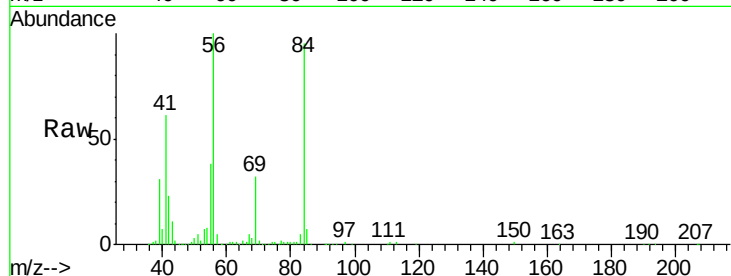
#31
Cyclohexane
Concen: 19.966 ug/l
RT: 5.56 min Scan# 767
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	23.1	34.7
84	93.8	69.6	104.4

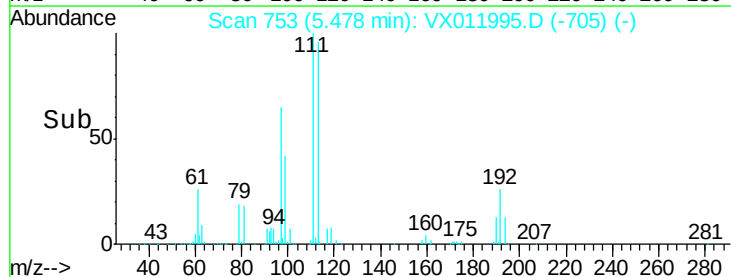
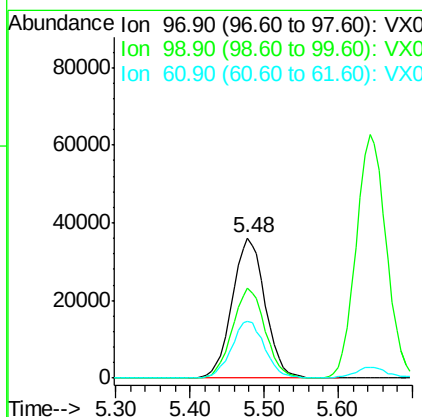
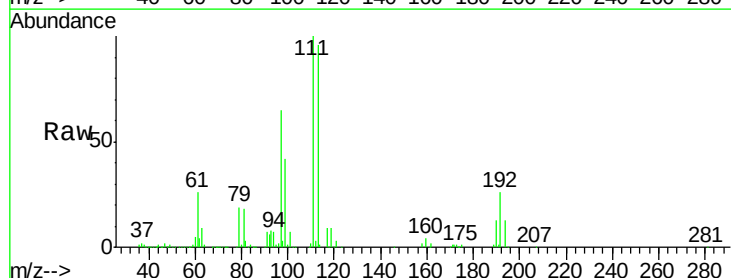
Manual Integrations
APPROVED

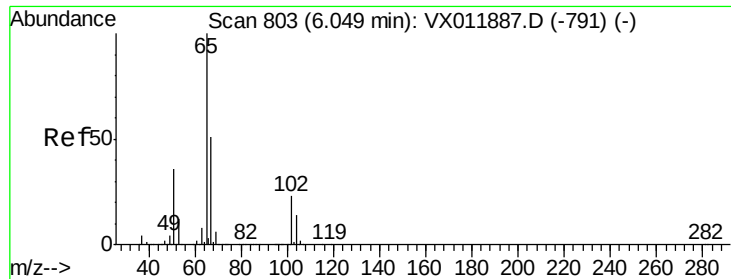
MMDadoda
9/5/2019 2:04:53 AM



#32
1,1,1-Trichloroethane
Concen: 20.835 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	41.1	33.8	50.6





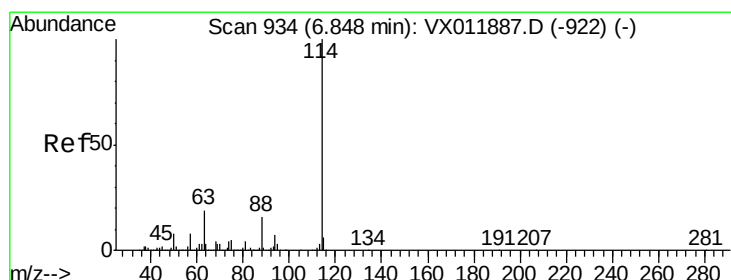
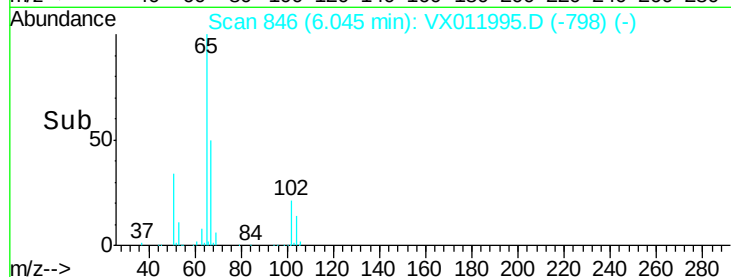
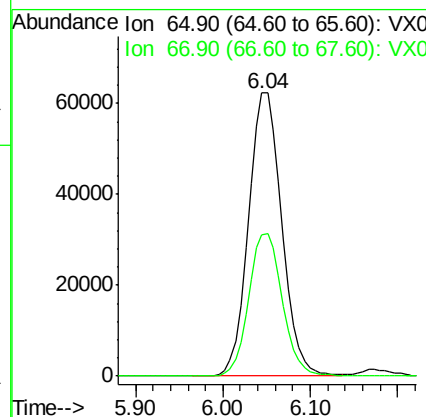
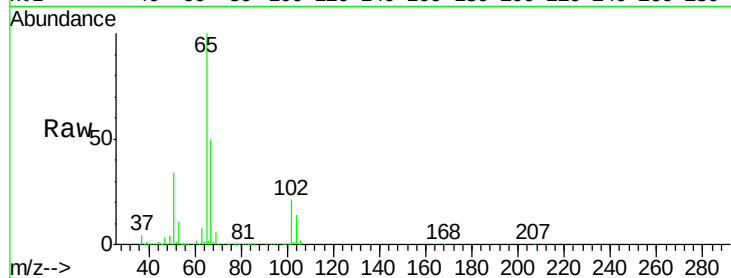
#33
 1,2-Dichloroethane-d4
 Concen: 45.343 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165102		
67	50.6	0.0	102.2	

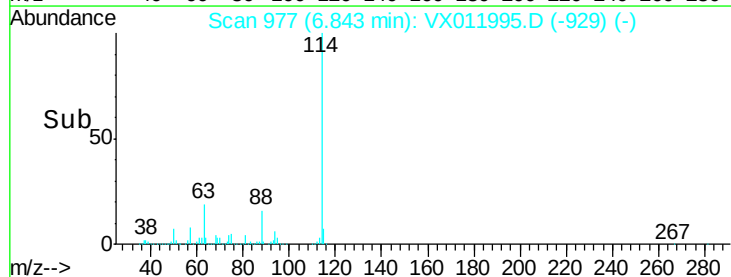
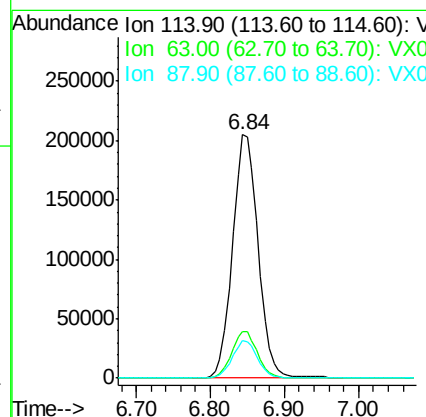
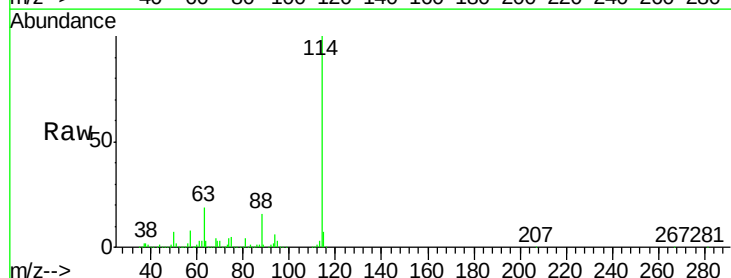
Manual Integrations
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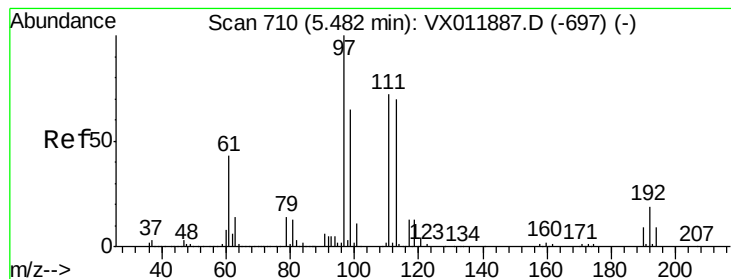
MMDadoda
 9/5/2019 2:04:53 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	494392		
63	19.1	0.0	38.8	
88	15.5	0.0	31.2	





#35

Dibromofluoromethane

Concen: 49.468 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

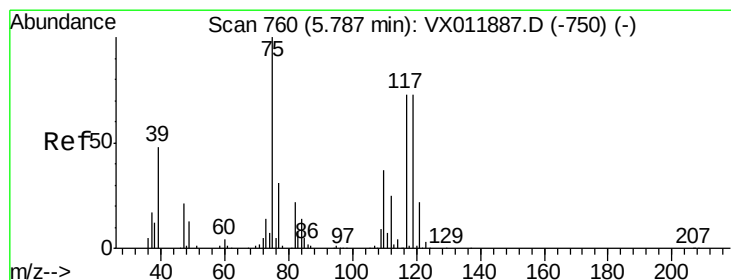
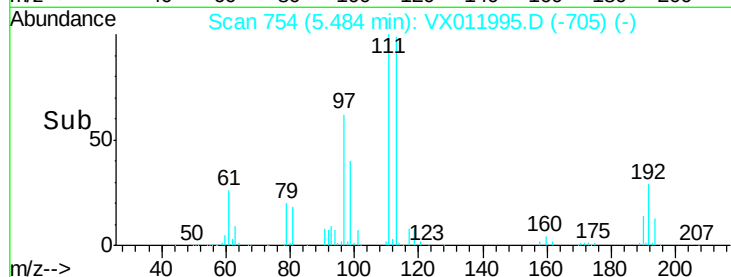
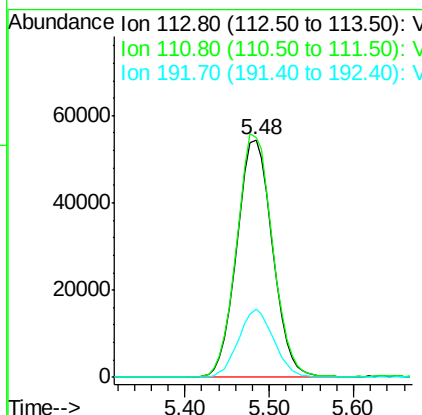
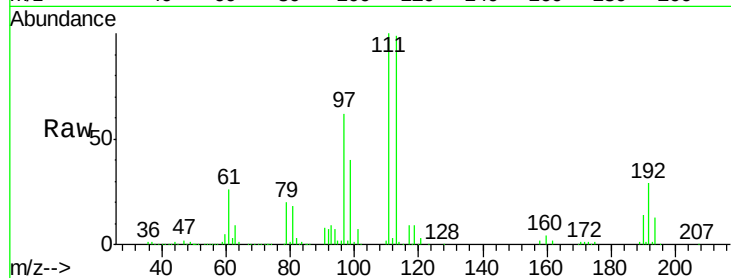
ClientSampleId :

VX0901SBSD02

Tot Ion:	113	Resp:	156825
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.1	123.1
192	28.5	21.5	32.3

Manual Integrations
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9/5/2019 2:04:53 AM



#36

1,1-Dichloropropene

Concen: 21.043 ug/l

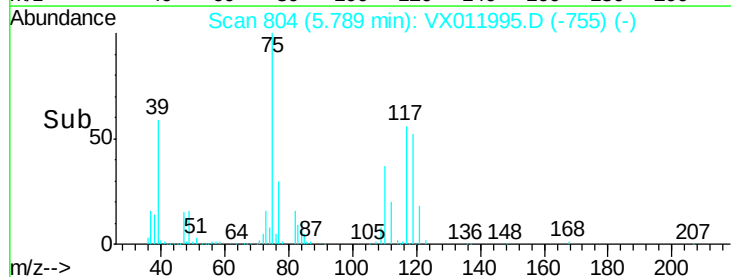
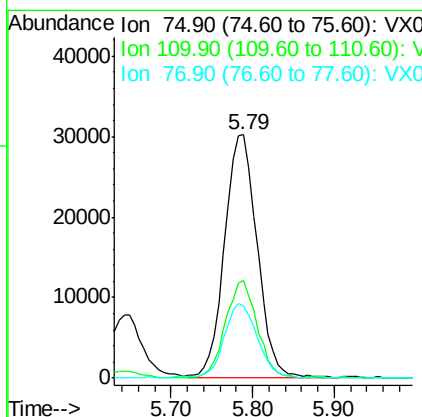
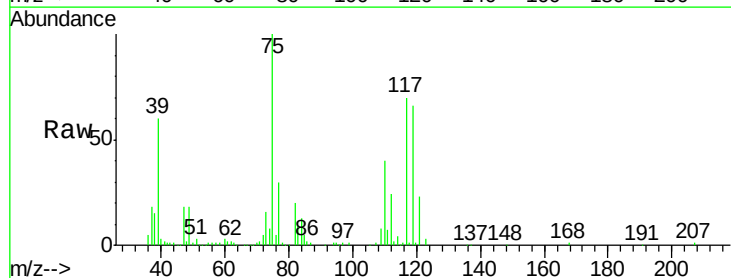
RT: 5.79 min Scan# 804

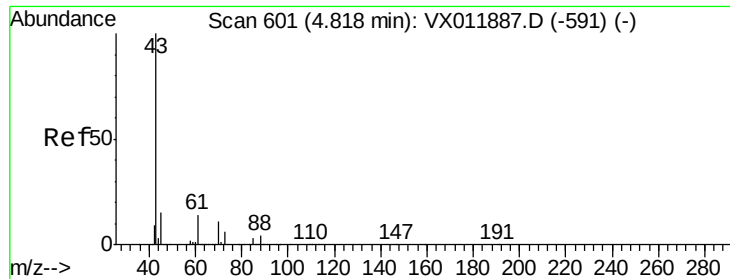
Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Tgt Ion:	75	Resp:	82422
Ion Ratio	Lower	Upper	
75	100		
110	39.4	19.1	57.3
77	30.8	24.4	36.6





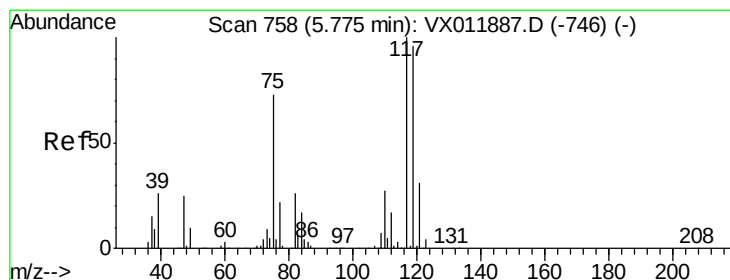
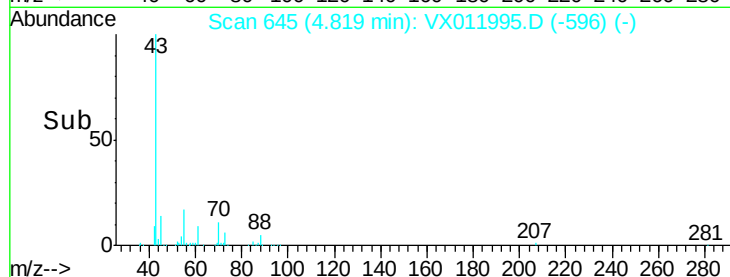
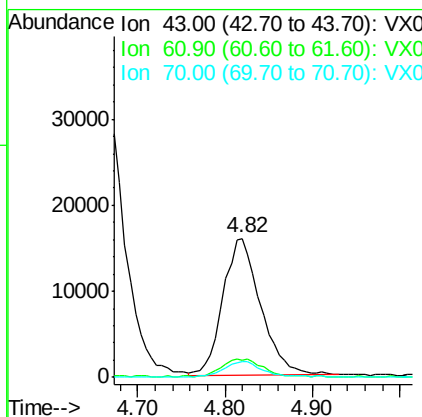
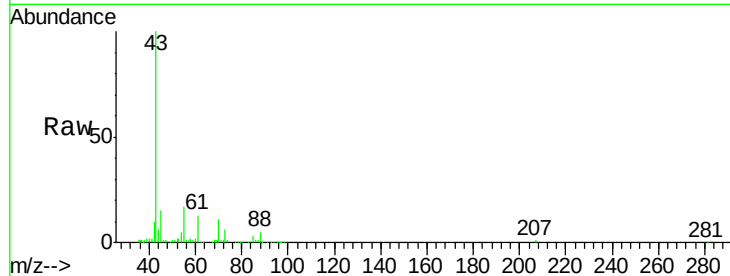
#37
Ethyl Acetate
Concen: 20.417 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	12.5	9.2	13.8

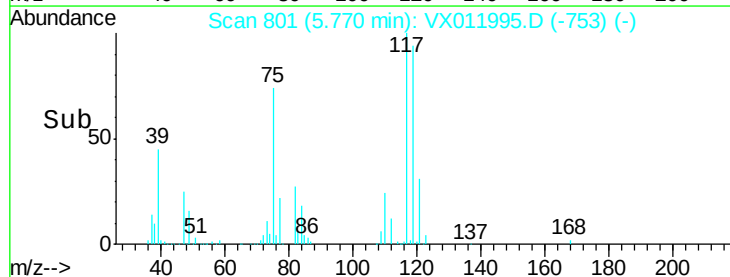
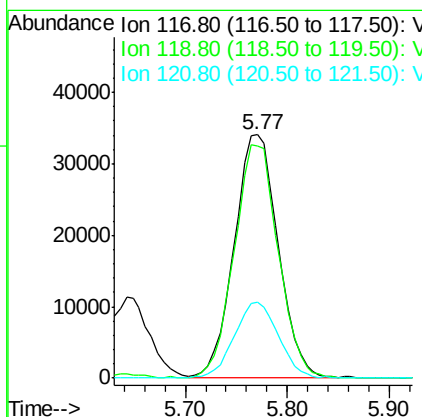
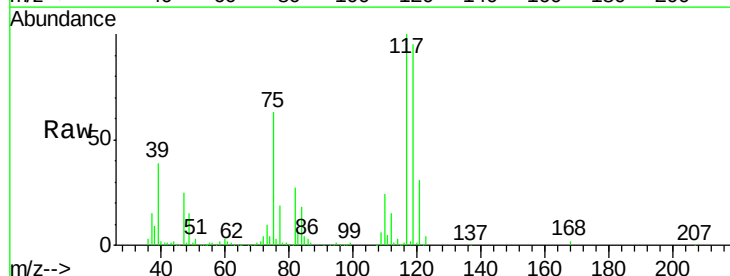
Manual Integrations
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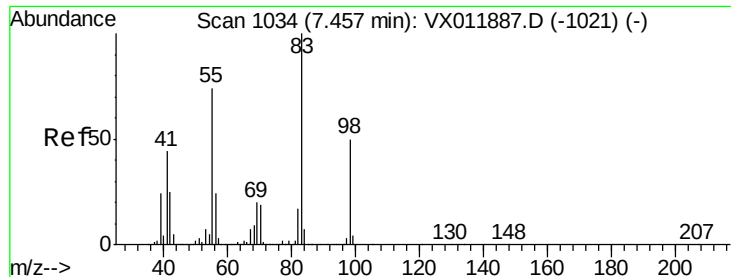
MMDadoda
9/5/2019 2:04:53 AM



#38
Carbon Tetrachloride
Concen: 22.366 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.6	114.8
121	30.9	24.7	37.1





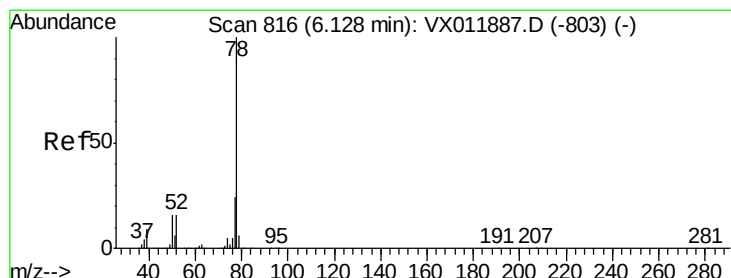
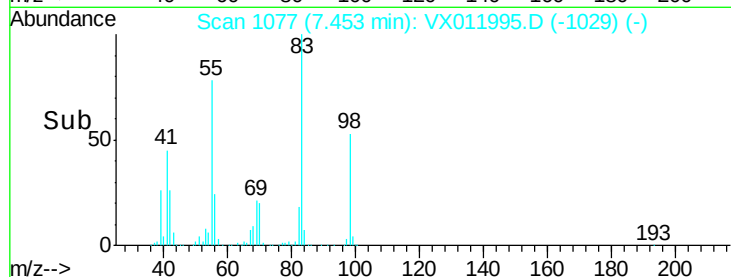
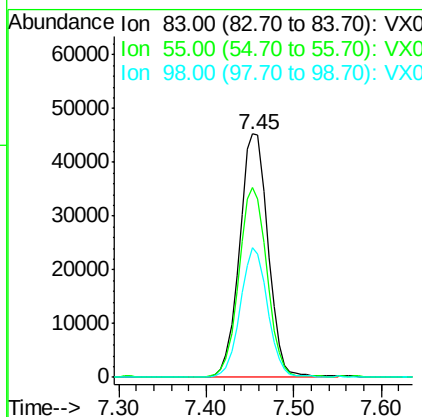
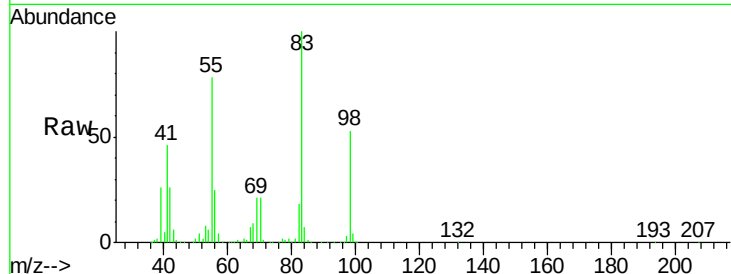
#39
Methylvlcyclohexane
Concen: 22.033 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	102792		
55	78.1		59.4	89.0
98	53.5		40.3	60.5

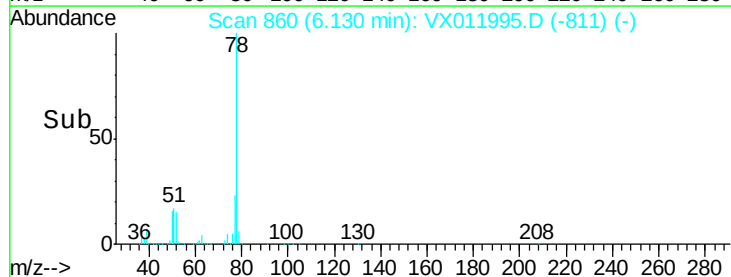
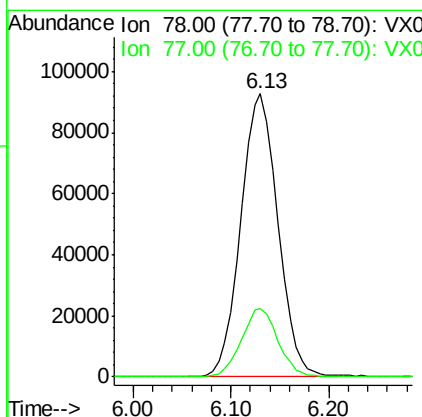
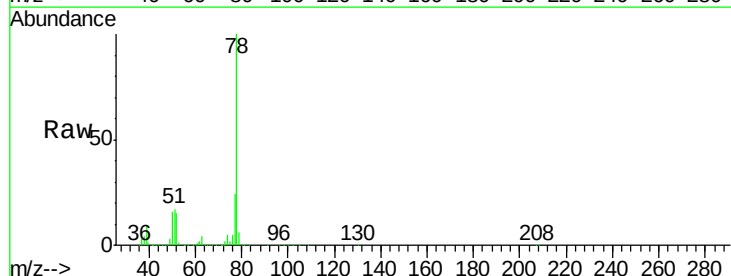
Manual Integrations
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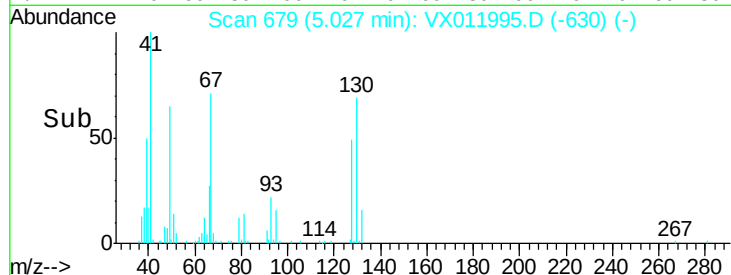
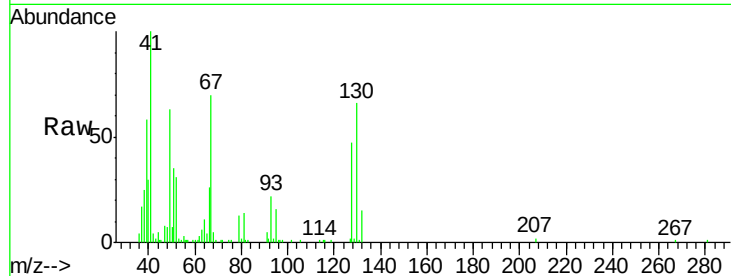
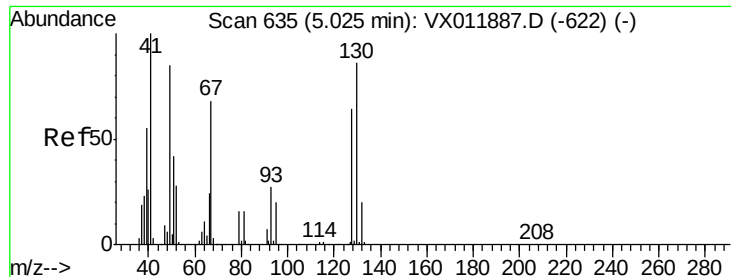
MMDadoda
9/5/2019 2:04:53 AM



#40
Benzene
Concen: 20.863 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

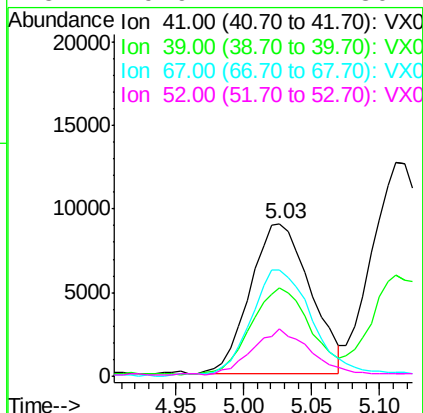
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	243921		
77	24.0		19.0	28.6





#41
Methacrylonitrile
Concen: 20.180 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

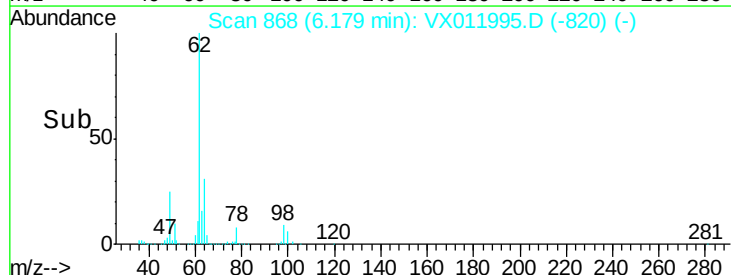
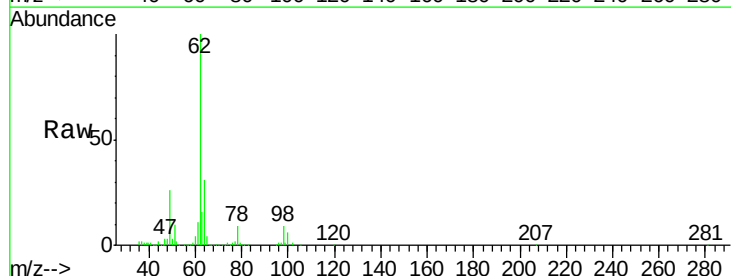
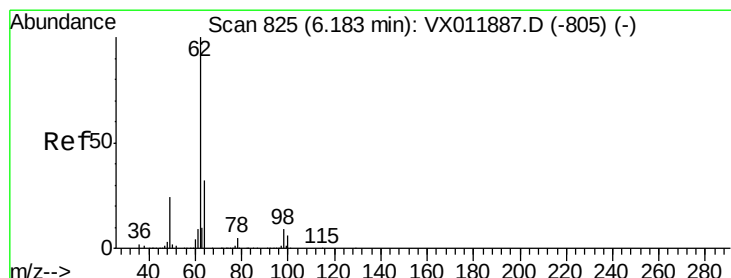
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.6	45.0	67.6	
67	72.7	55.0	82.4	
52	29.9	24.1	36.1	



Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

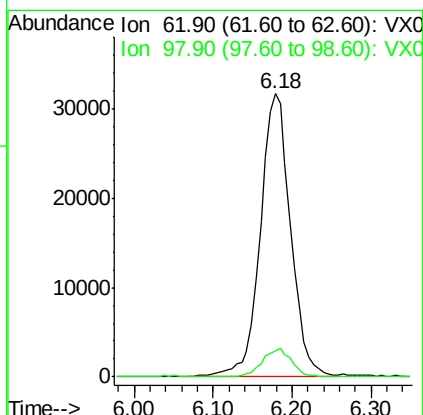
Manual Integrations
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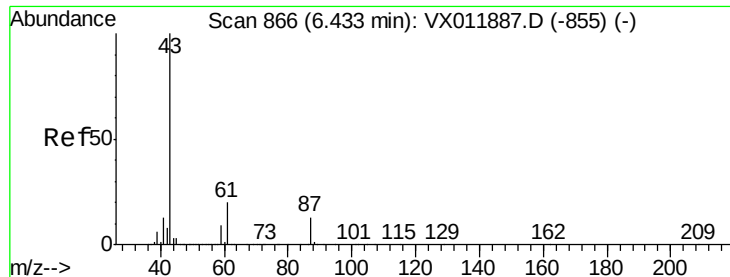
MMDadoda
9/5/2019 2:04:53 AM



#42
1,2-Dichloroethane
Concen: 21.287 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	19.2	





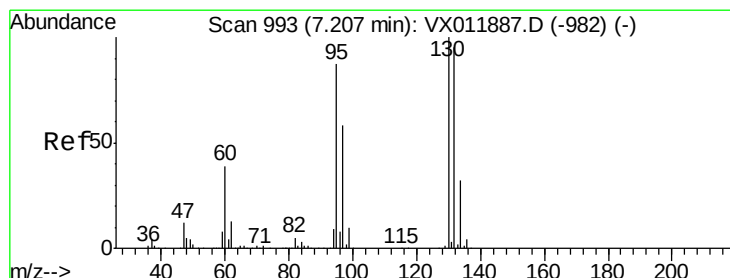
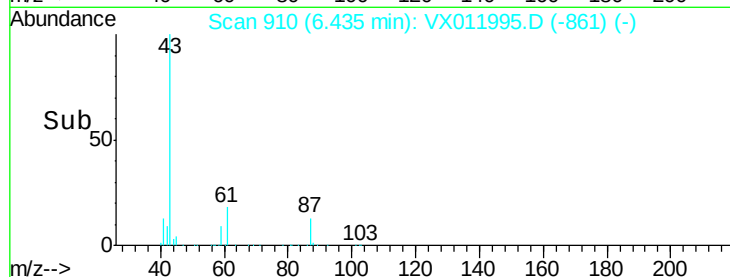
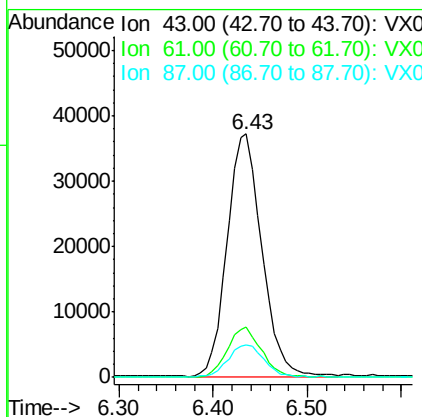
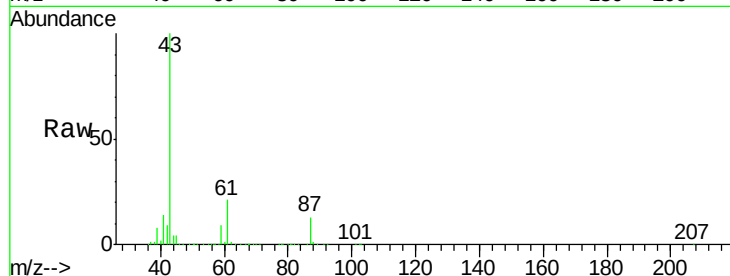
#43
Isopropyl Acetate
Concen: 20.235 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	16.1	24.1
87	14.2	10.6	16.0

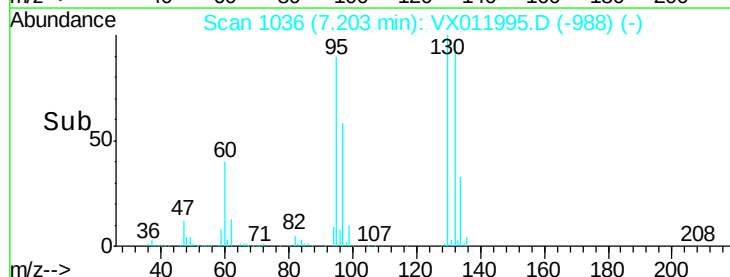
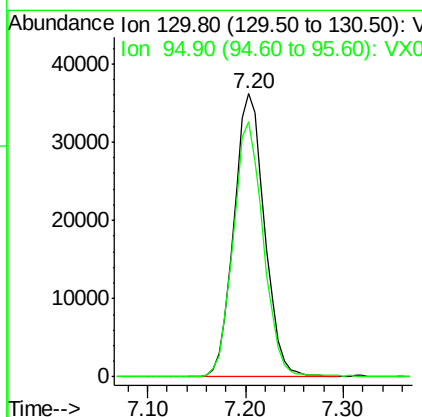
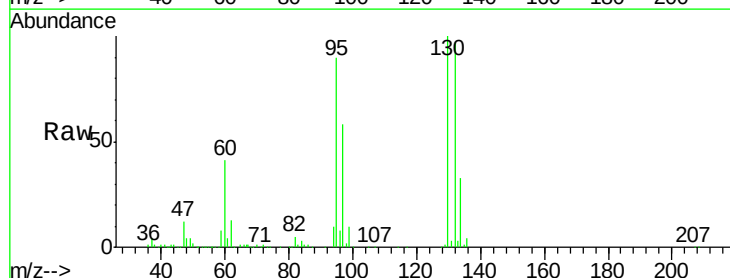
Manual Integrations
APPROVED

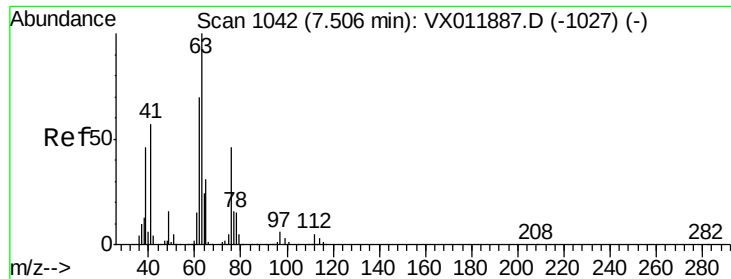
MMDadoda
9/5/2019 2:04:53 AM



#44
Trichloroethene
Concen: 21.762 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.9	0.0	174.6





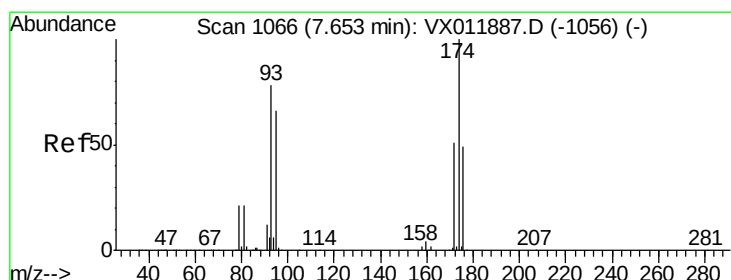
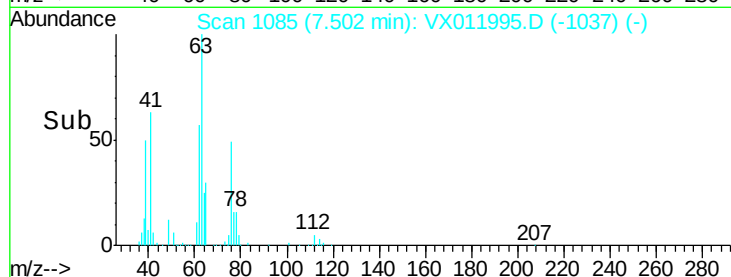
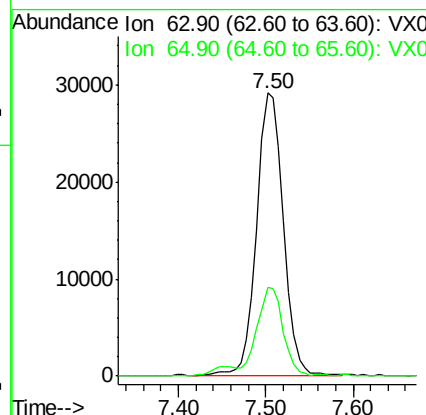
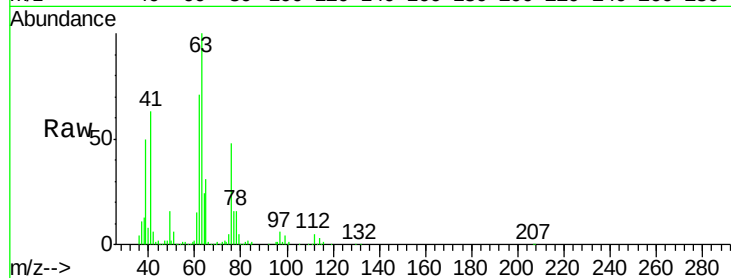
#45
 1,2-Dichloropropane
 Concen: 20.300 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.1	37.7

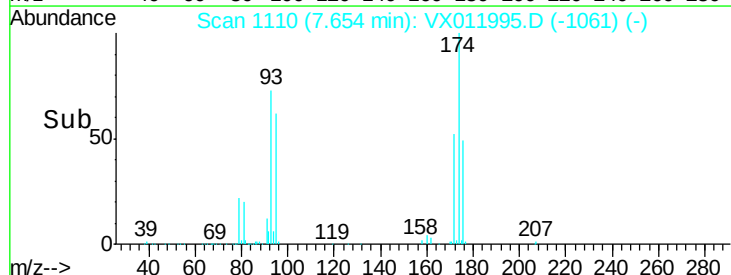
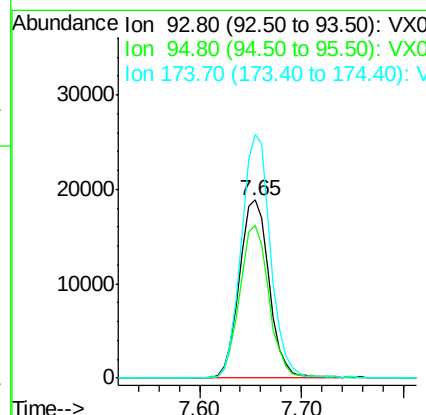
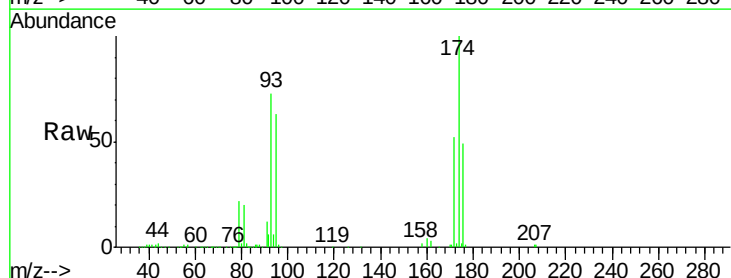
Manual Integrations
 APPROVED

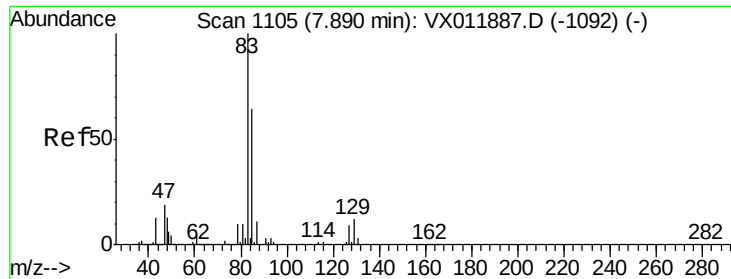
MMDadoda
 9/5/2019 2:04:53 AM



#46
 Dibromomethane
 Concen: 21.089 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	65.7	98.5
174	133.5	104.2	156.4





#47

Bromodichloromethane

Concen: 20.809 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

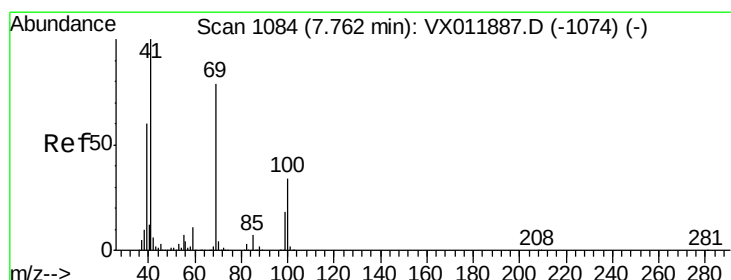
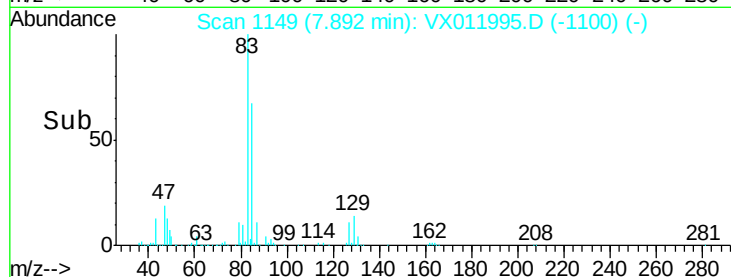
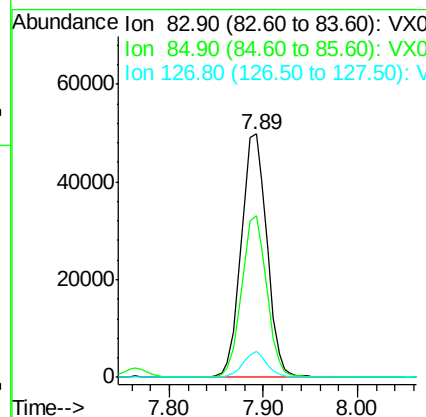
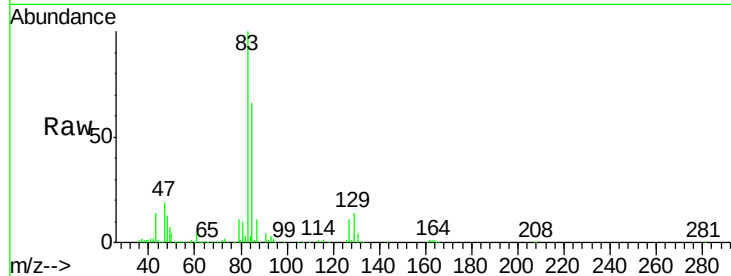
ClientSampleId :

VX0901SBSD02

Tot Ion:	83	Resp:	93654
Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	10.6	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
9/5/2019 2:04:53 AM



#48

Methyl methacrylate

Concen: 20.679 ug/l

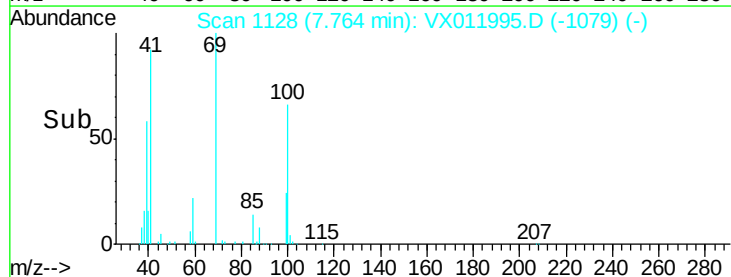
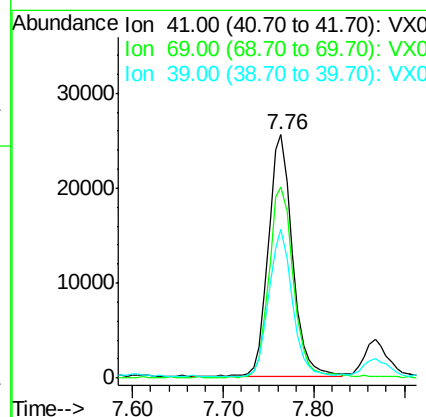
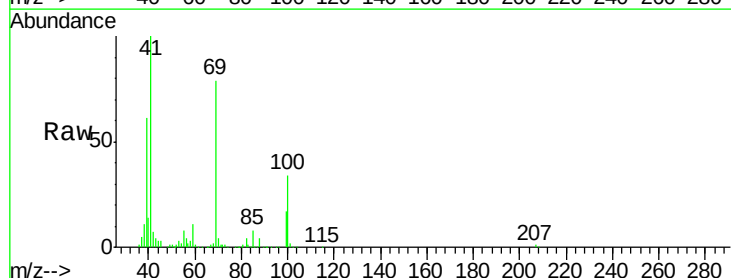
RT: 7.76 min Scan# 1128

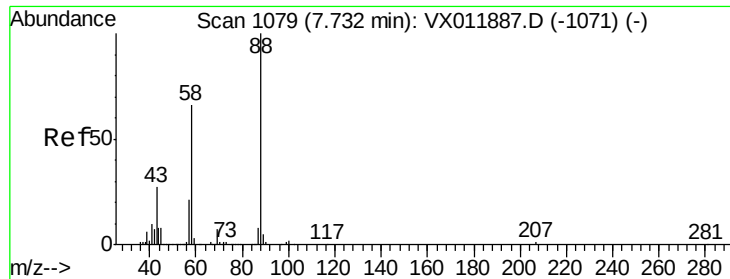
Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Tgt Ion:	41	Resp:	47295
Ion	Ratio	Lower	Upper
41	100		
69	79.0	64.4	96.6
39	58.9	47.2	70.8





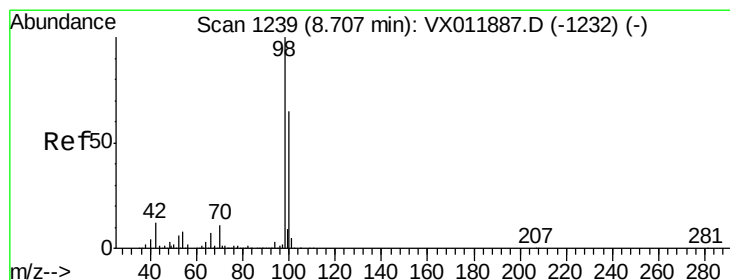
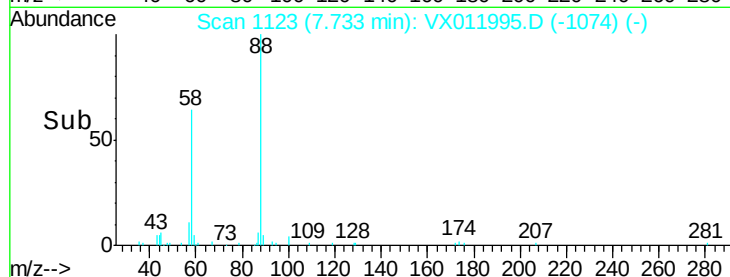
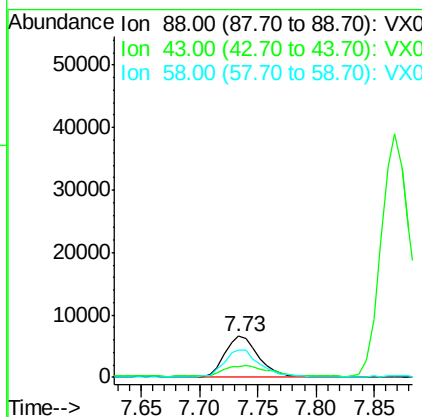
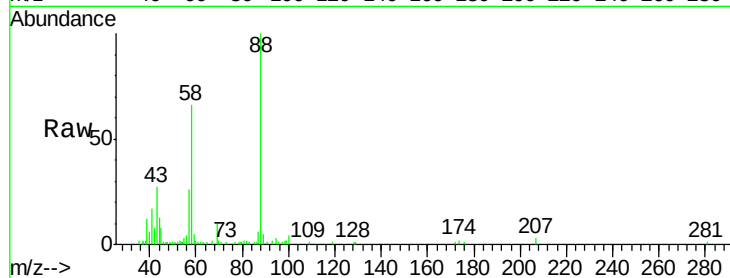
#49
1,4-Dioxane
Concen: 427.074 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.3	40.9
58	71.1	53.9	80.9

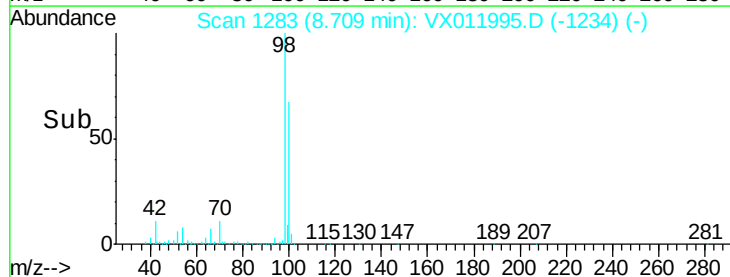
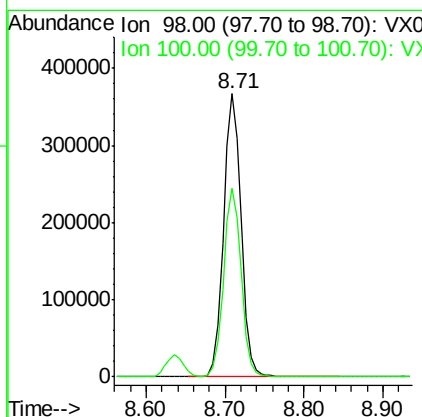
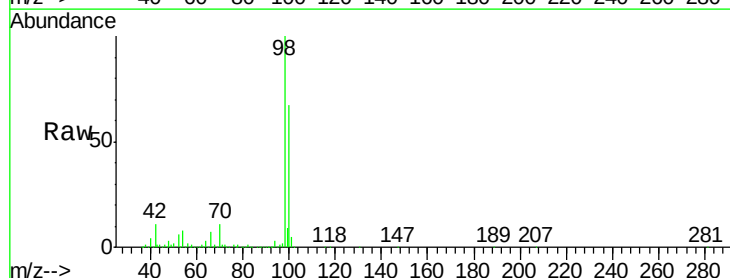
Manual Integrations
APPROVED

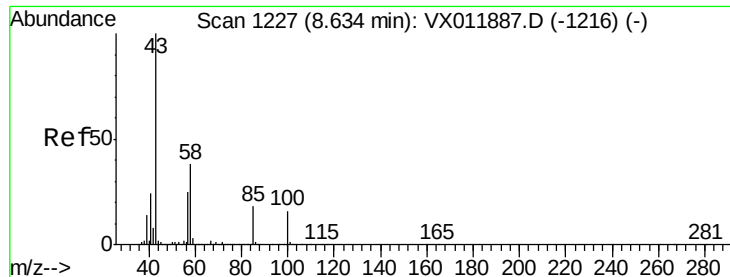
MMDadoda
9/5/2019 2:04:53 AM



#50
Toluene-d8
Concen: 49.909 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.6





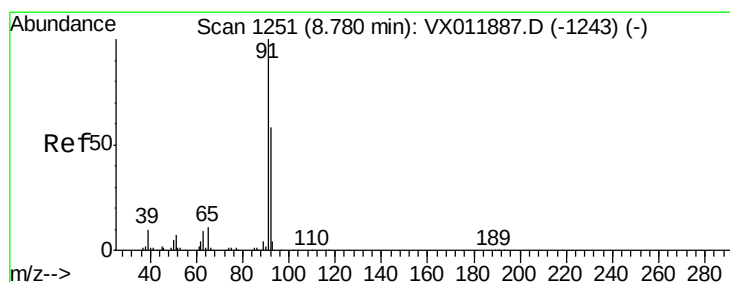
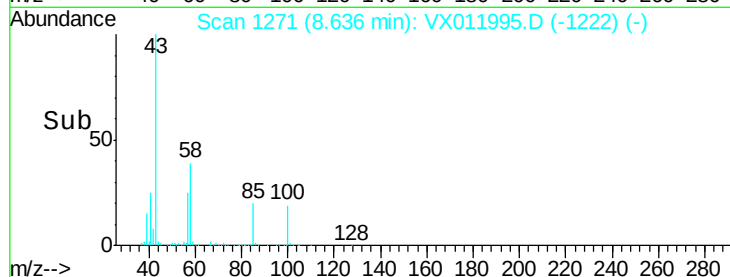
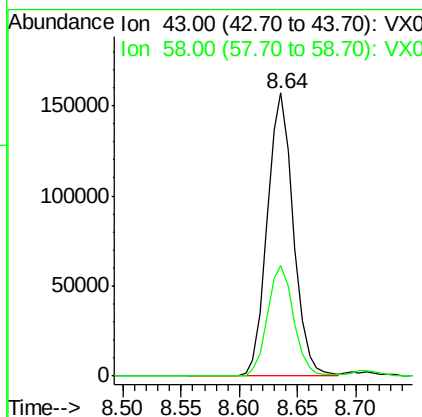
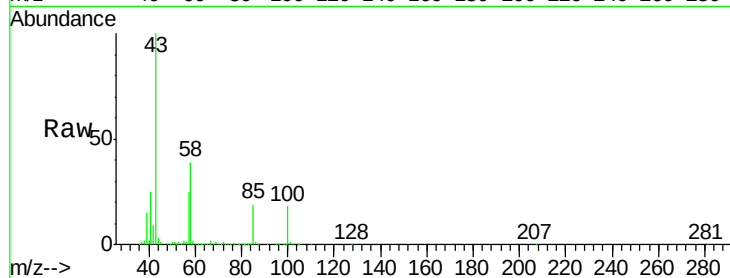
#51
4-Methyl-2-Pentanone
Concen: 102.258 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	30.9	46.3

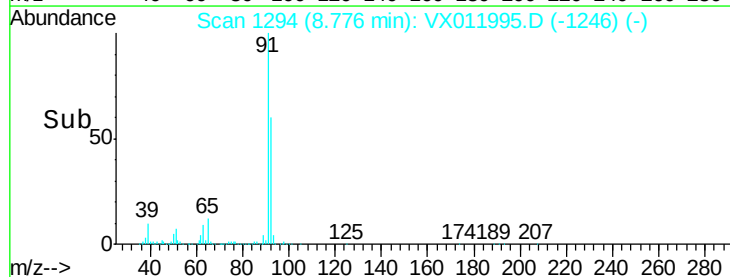
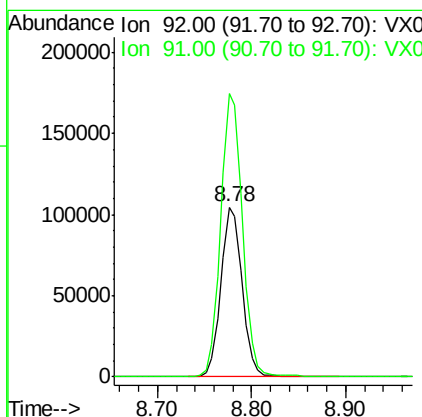
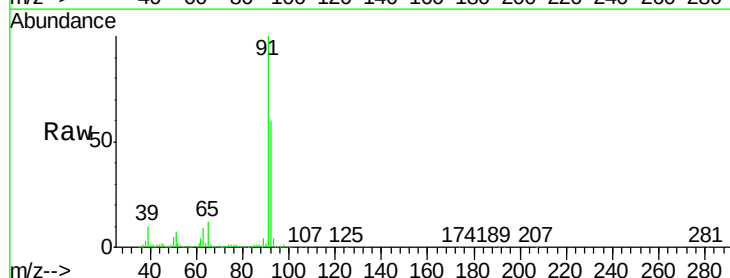
Manual Integrations
APPROVED

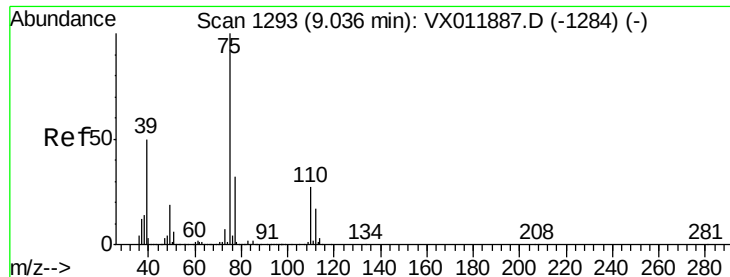
MMDadoda
9/5/2019 2:04:53 AM



#52
Toluene
Concen: 21.077 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.3	136.8	205.2





#53

t-1,3-Dichloropropene

Concen: 20.838 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBSD02

Tot Ion: 75 Resp: 96067

Ion Ratio Lower Upper

75 100

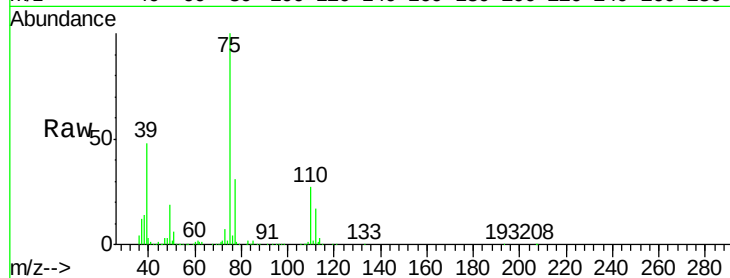
77 30.8 25.6 38.4

Manual Integrations

APPROVED

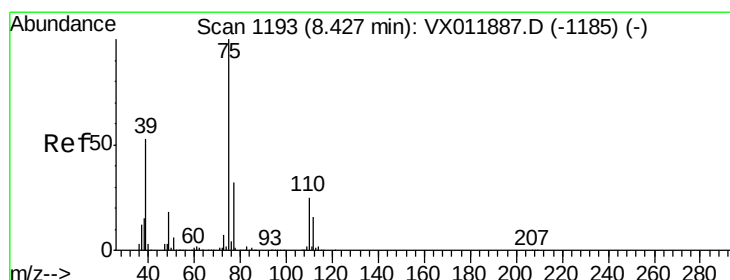
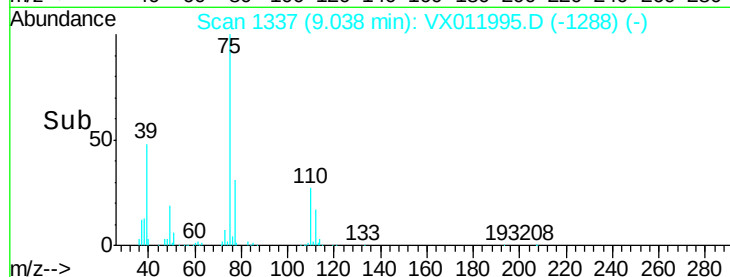
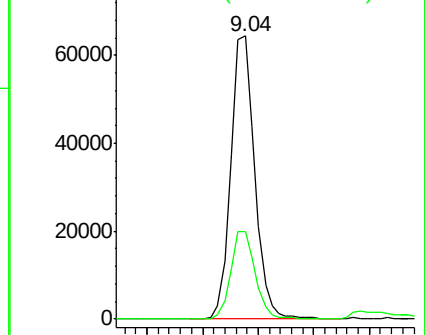
MMDadoda

9/5/2019 2:04:53 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.608 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

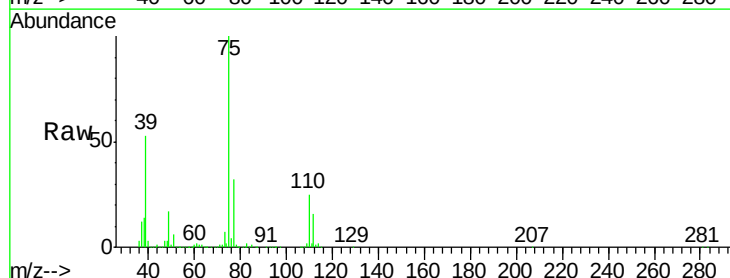
Tgt Ion: 75 Resp: 106647

Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

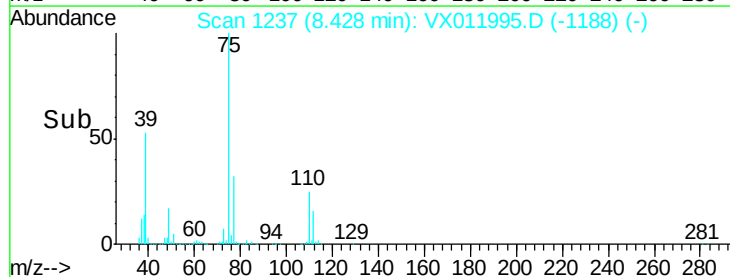
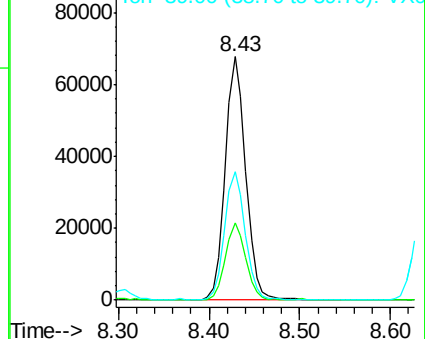
39 52.5 42.6 64.0

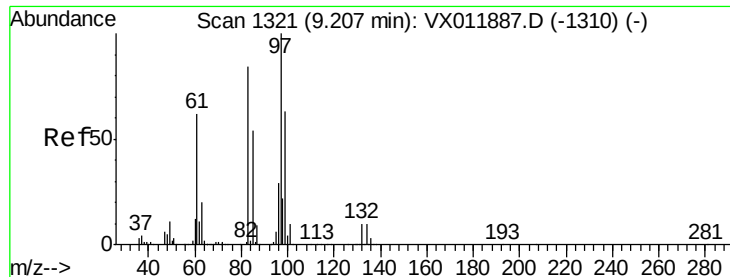


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





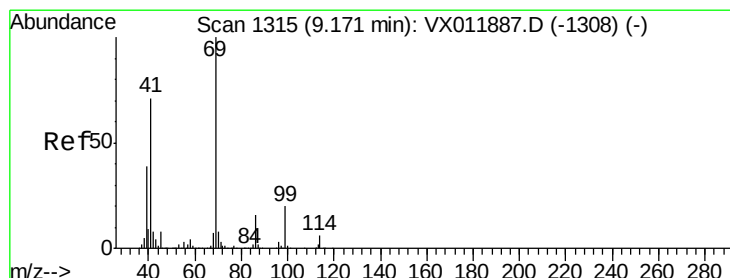
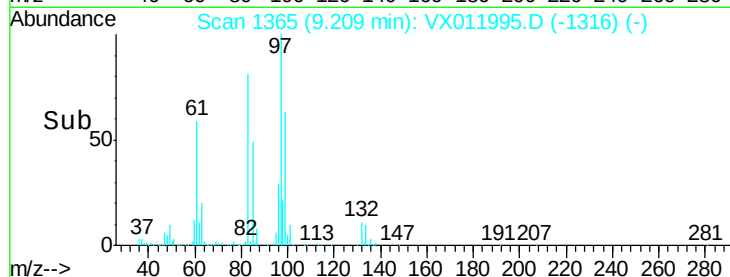
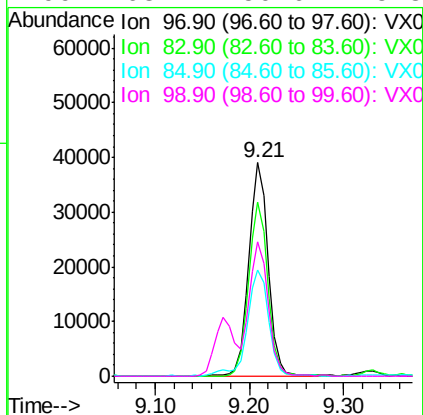
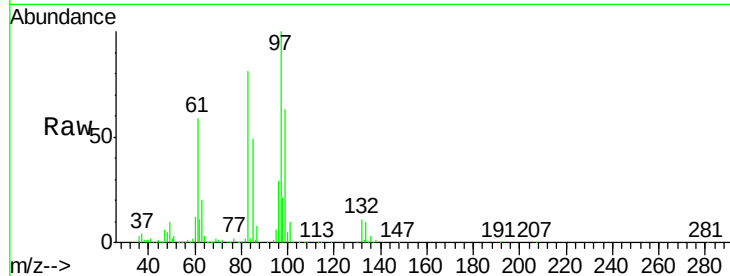
#55
 1,1,2-Trichloroethane
 Concen: 21.332 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBSD02

Tot Ion:	97	Resp:	56680
Ion	Ratio	Lower	Upper
97	100		
83	81.3	66.8	100.2
85	49.3	43.5	65.3
99	63.1	50.6	75.8

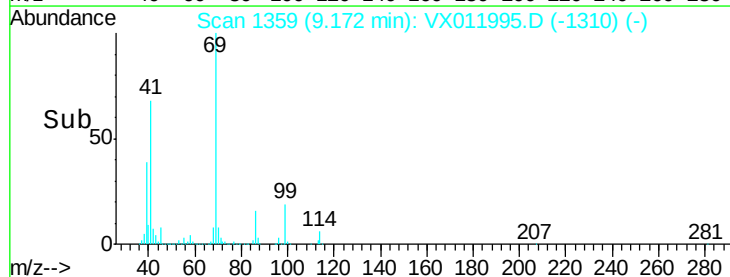
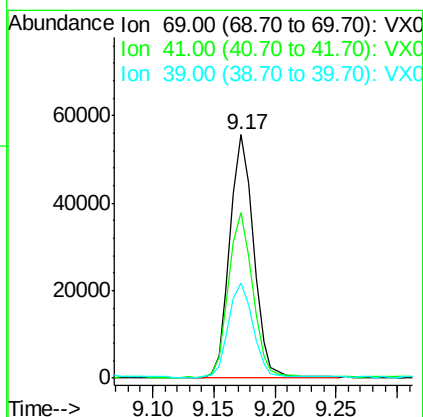
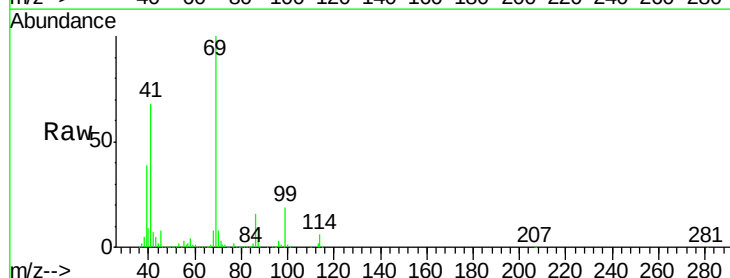
Manual Integrations
 APPROVED

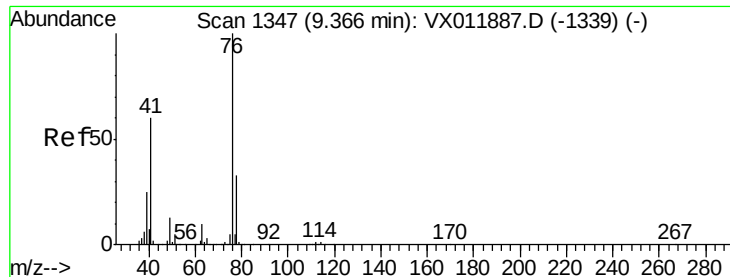
MMDadoda
 9/5/2019 2:04:53 AM



#56
 Ethyl methacrylate
 Concen: 20.399 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Tgt Ion:	69	Resp:	75226
Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.8	83.8
39	39.9	31.1	46.7





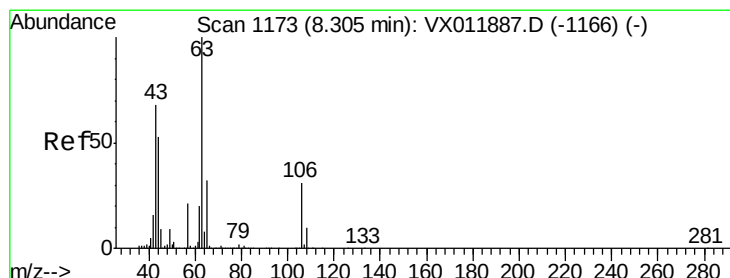
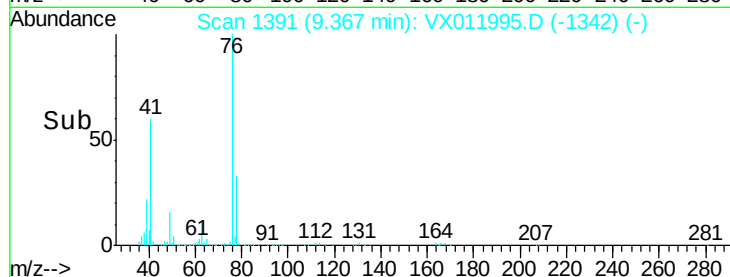
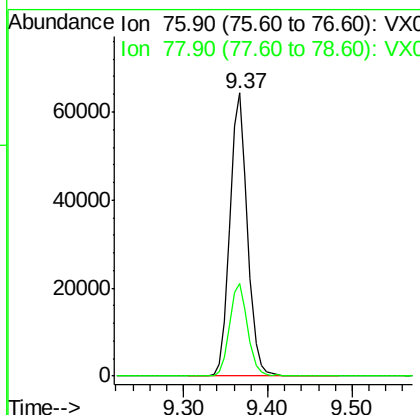
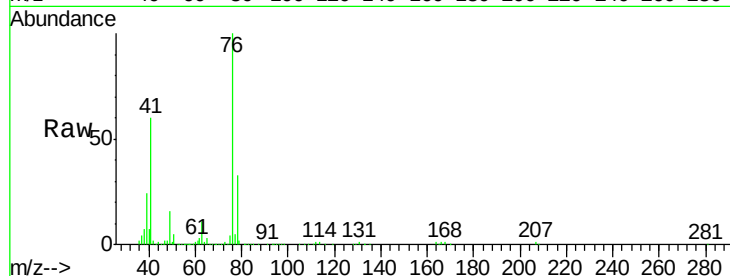
#57
 1,3-Dichloropropane
 Concen: 20.838 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.4	39.6

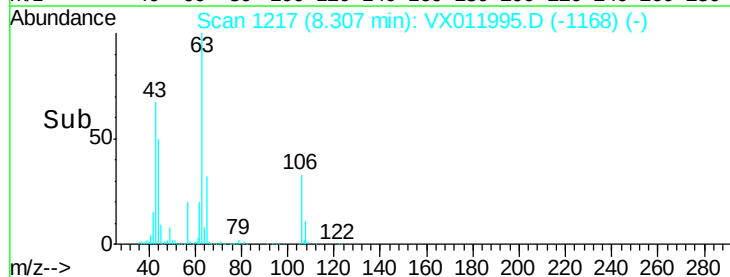
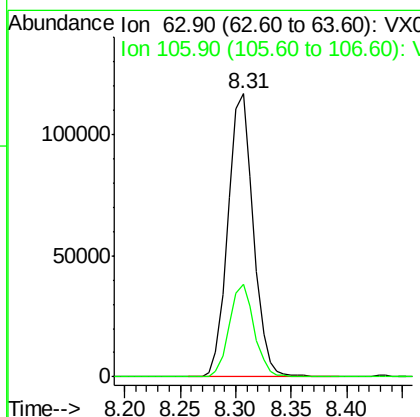
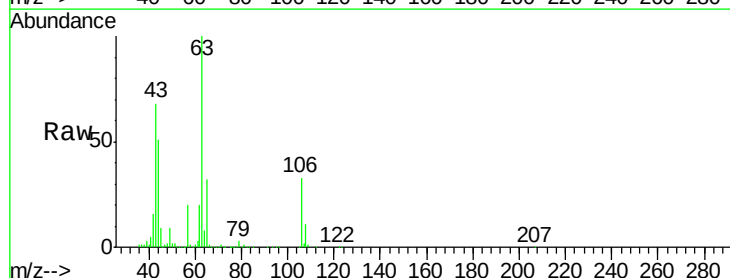
Manual Integrations
 APPROVED

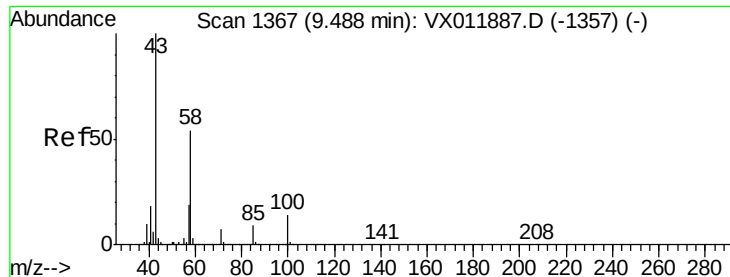
MMDadoda
 9/5/2019 2:04:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.710 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.5	24.8	37.2





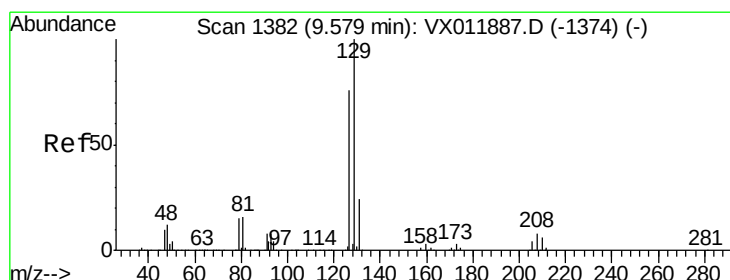
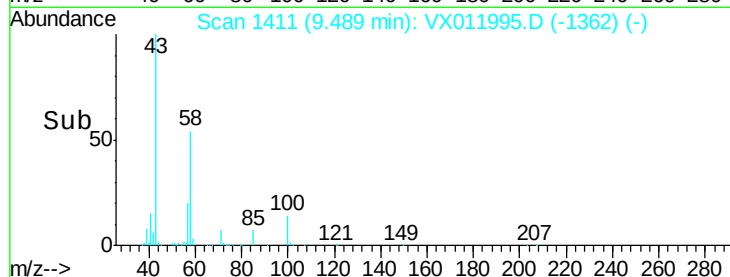
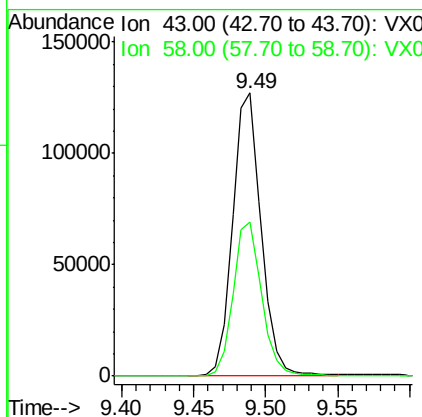
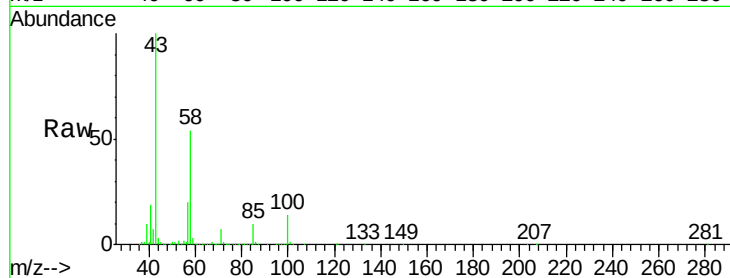
#59
2-Hexanone
Concen: 103.251 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion: 43 Resp: 175140
Ion Ratio Lower Upper
43 100
58 54.9 26.8 80.4

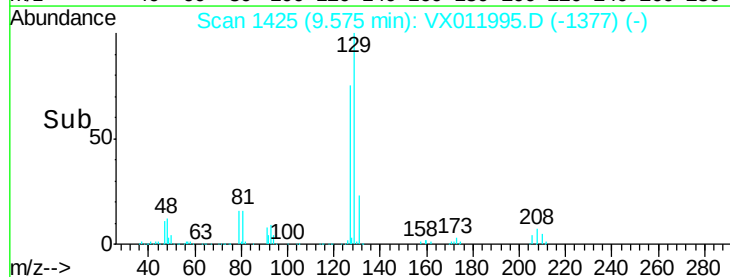
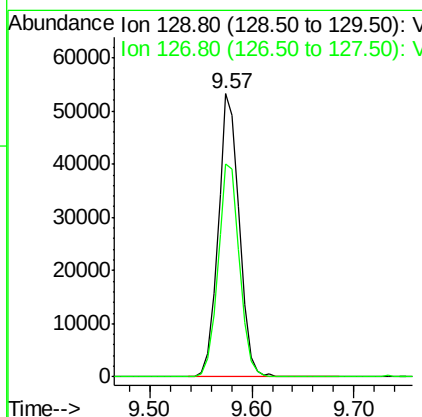
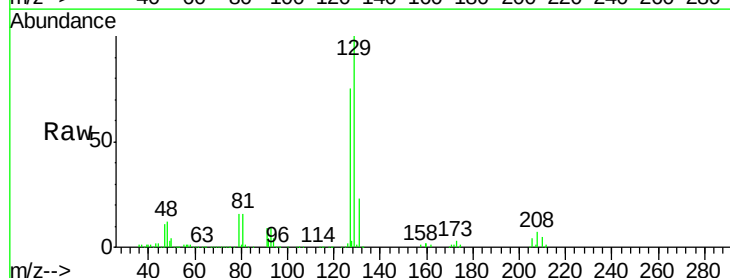
Manual Integrations
APPROVED

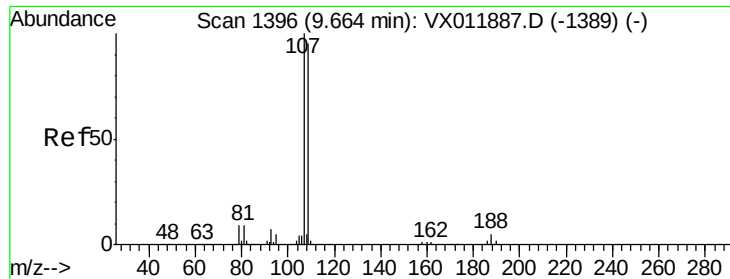
MMDadoda
9/5/2019 2:04:53 AM



#60
Dibromochloromethane
Concen: 21.548 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion: 129 Resp: 76897
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.7





#61

1,2-Dibromoethane

Concen: 21.114 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBSD02

Tot Ion: 107 Resp: 55622

Ion Ratio Lower Upper

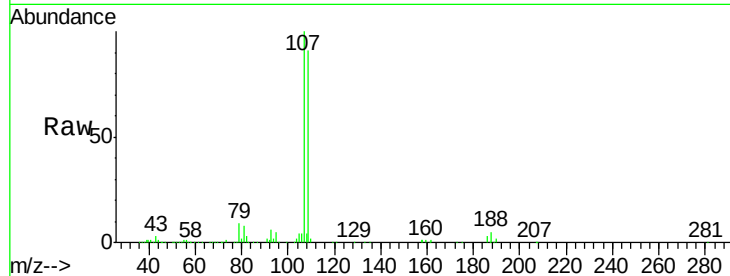
107 100

109 95.3 75.3 112.9

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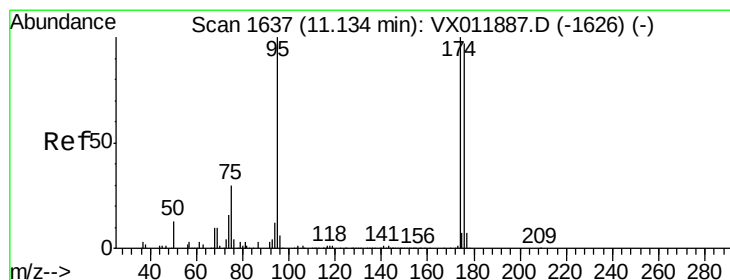
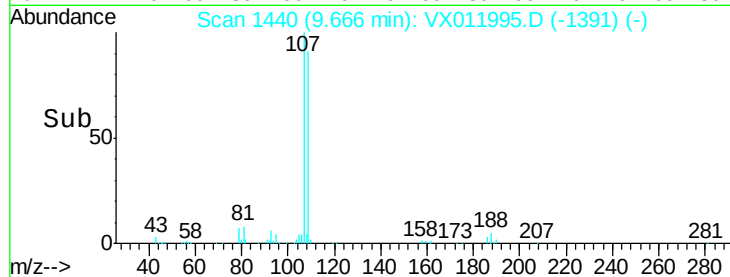
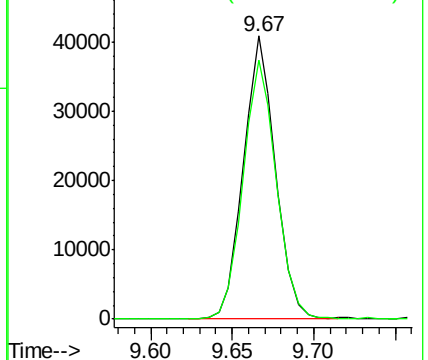
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.599 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

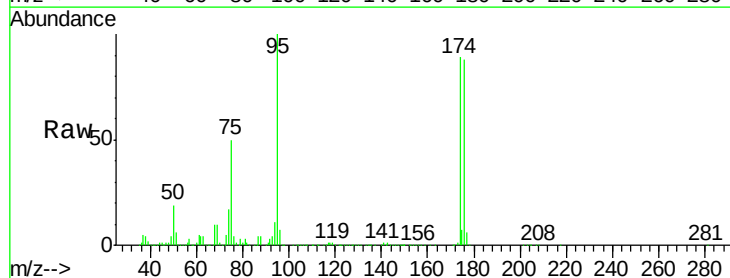
Tgt Ion: 95 Resp: 236625

Ion Ratio Lower Upper

95 100

174 100.4 0.0 196.0

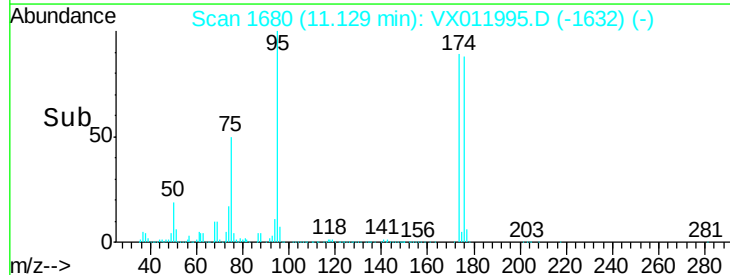
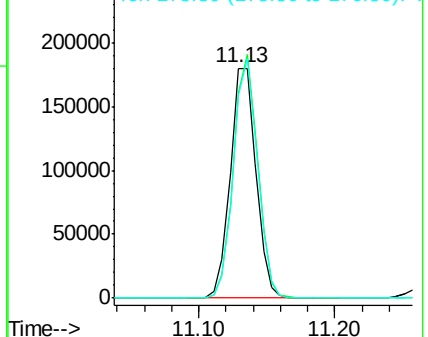
176 98.5 0.0 191.4

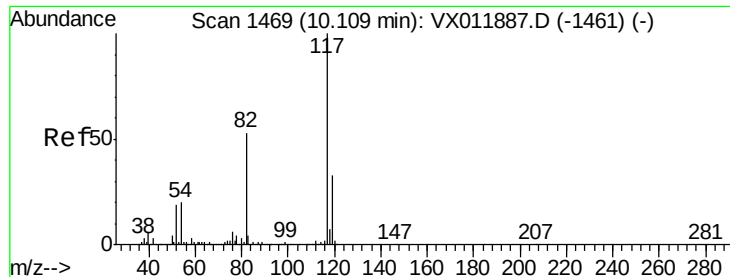


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





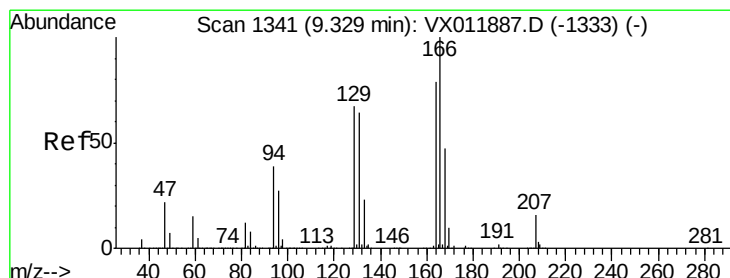
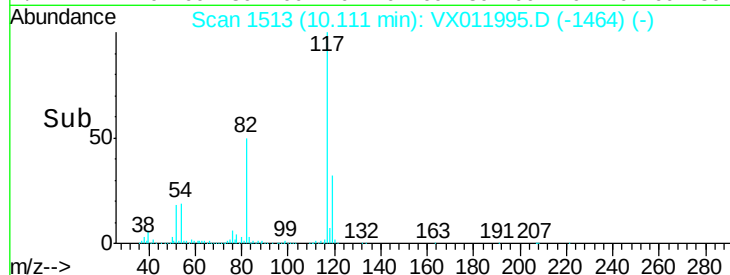
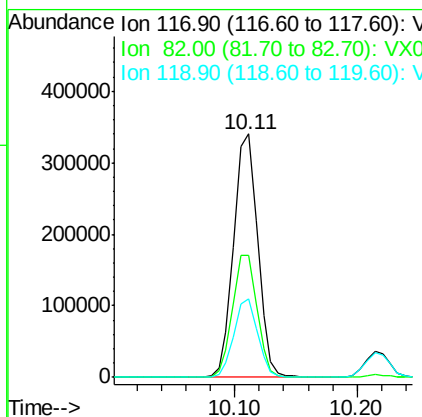
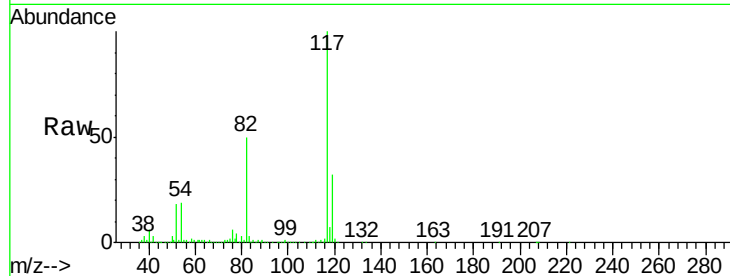
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	462849		
82	49.9	42.0	63.0	
119	32.2	26.2	39.4	

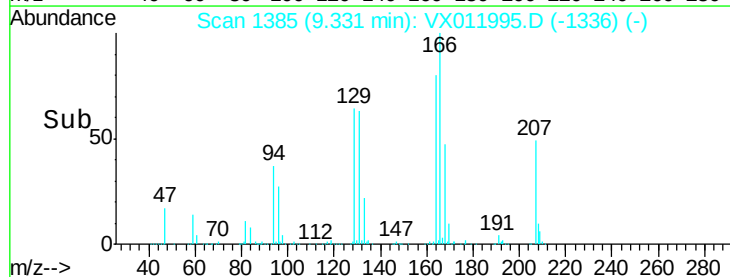
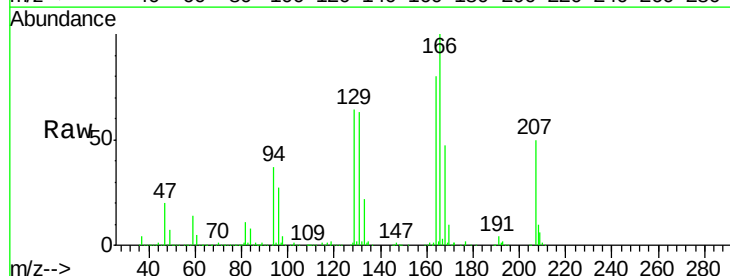
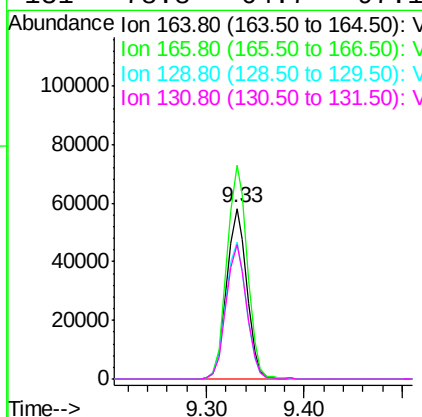
Manual Integrations
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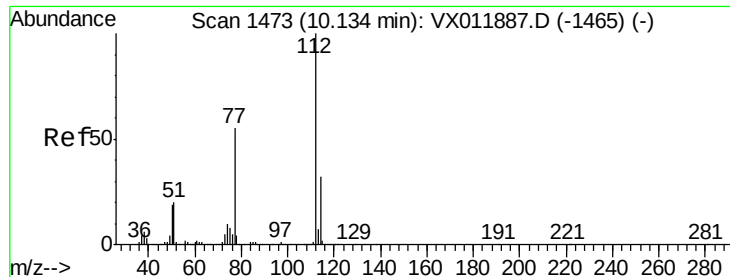
MMDadoda
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#64
Tetrachloroethene
Concen: 22.468 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83650		
166	125.3	101.4	152.0	
129	80.5	68.0	102.0	
131	78.8	64.7	97.1	





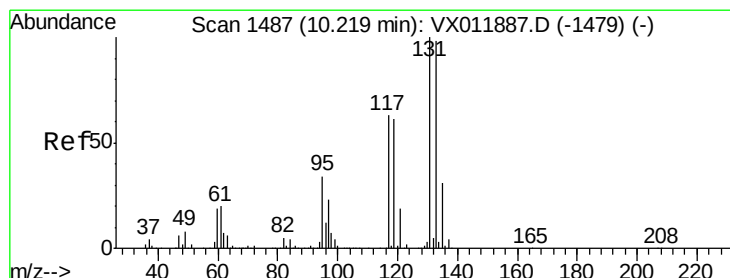
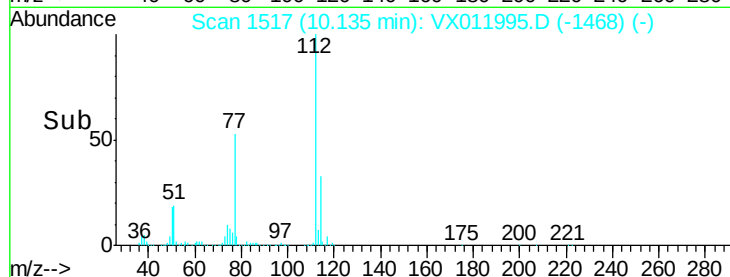
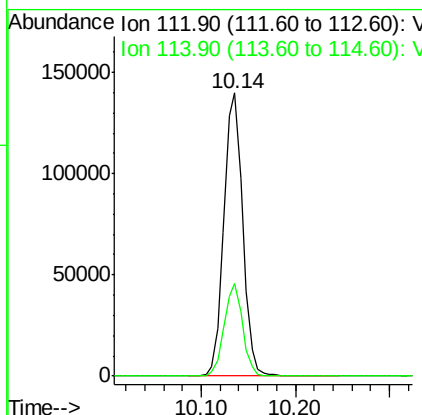
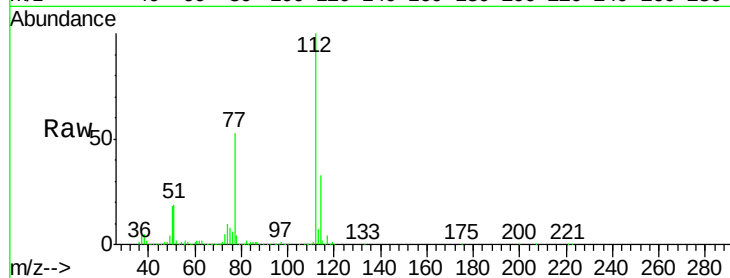
#65
Chlorobenzene
Concen: 21.590 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	193646		
114	32.6	25.9	38.9	

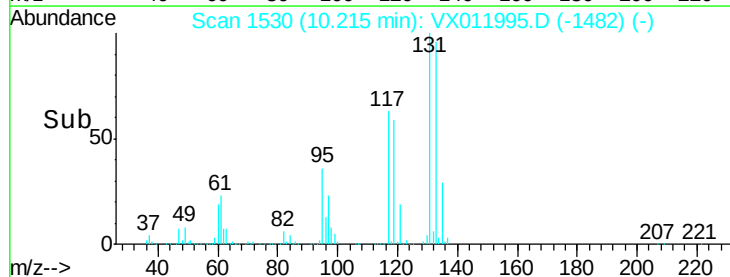
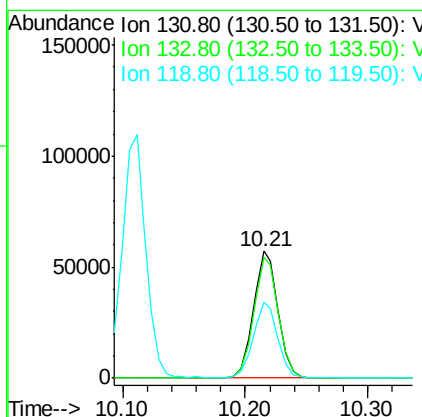
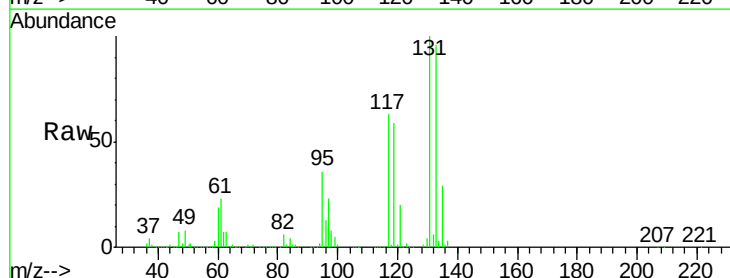
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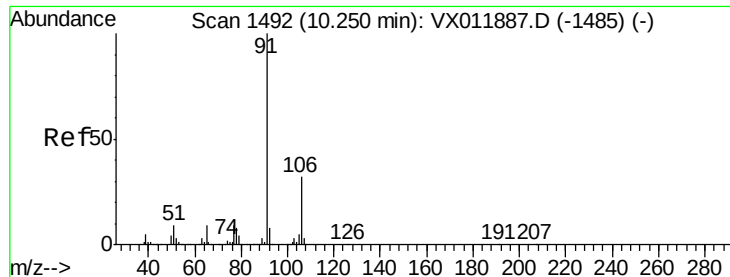
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.997 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	79786		
133	95.9	48.4	145.0	
119	59.8	30.6	92.0	





#67

Ethyl Benzene

Concen: 21.626 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS02

Tot Ion: 91 Resp: 329945

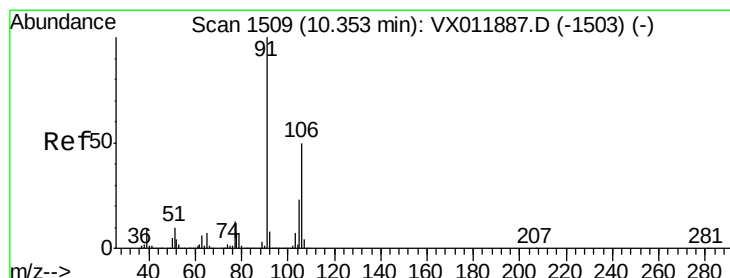
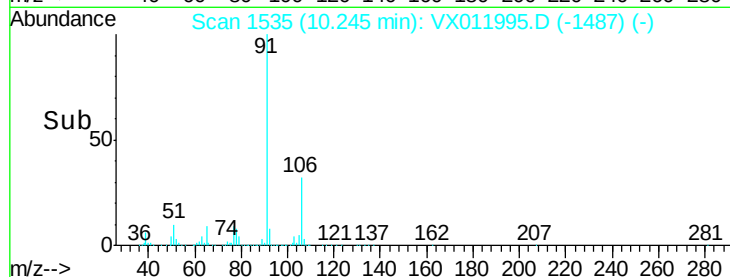
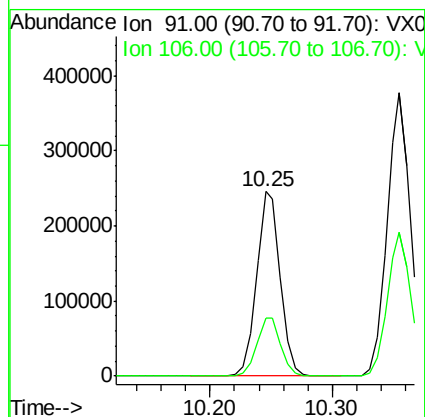
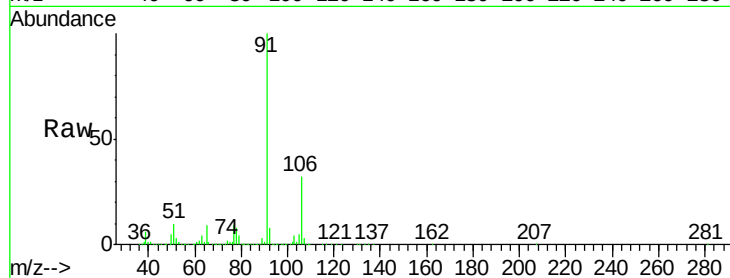
Ion Ratio Lower Upper

91 100

106 31.7 25.8 38.8

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#68

m/p-Xylenes

Concen: 43.758 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX011995.D

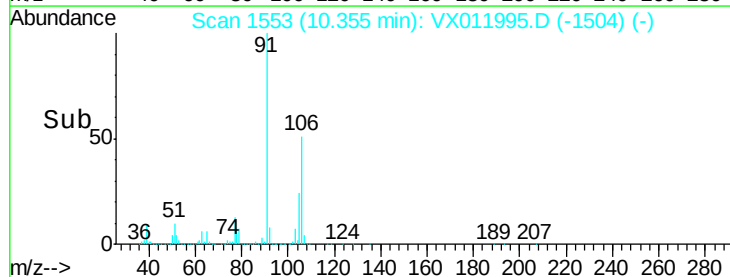
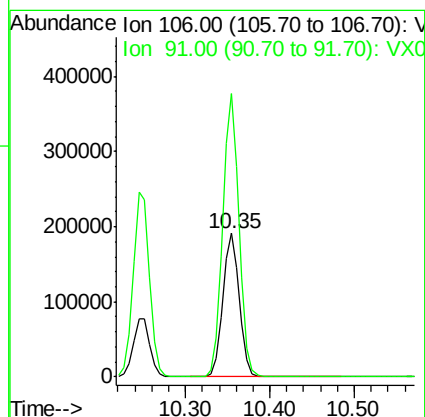
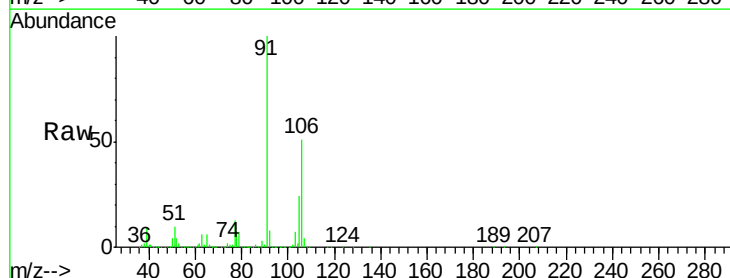
Acq: 01 Sep 2019 16:35

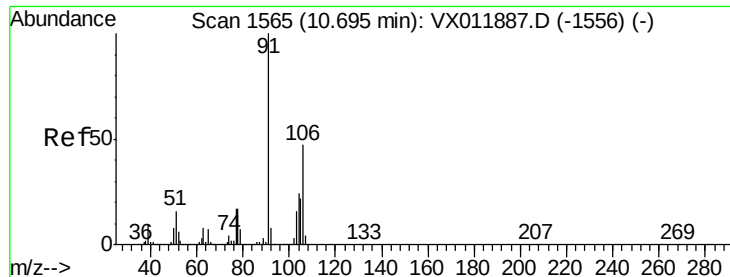
Tgt Ion: 106 Resp: 257787

Ion Ratio Lower Upper

106 100

91 195.6 158.6 237.8





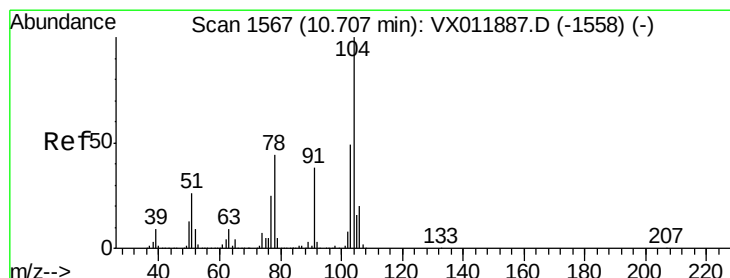
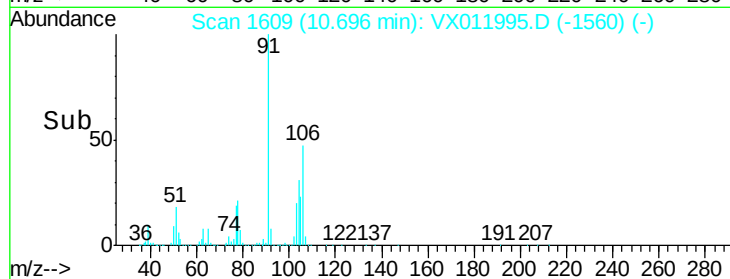
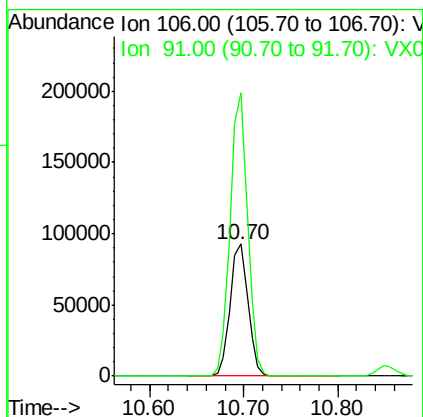
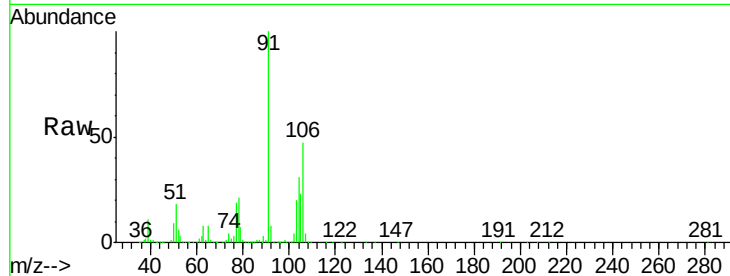
#69
o-Xylene
Concen: 21.603 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	124021		
91	207.5	104.8	314.6		

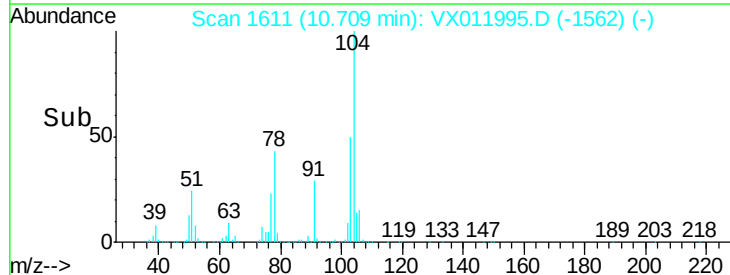
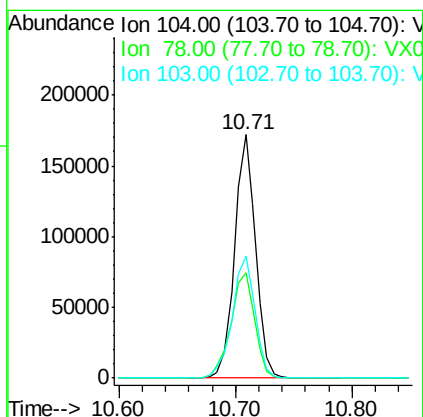
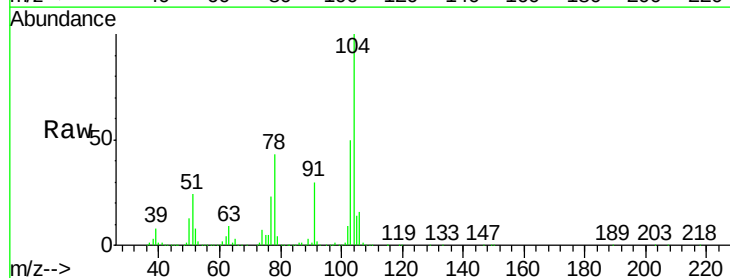
Manual Integrations
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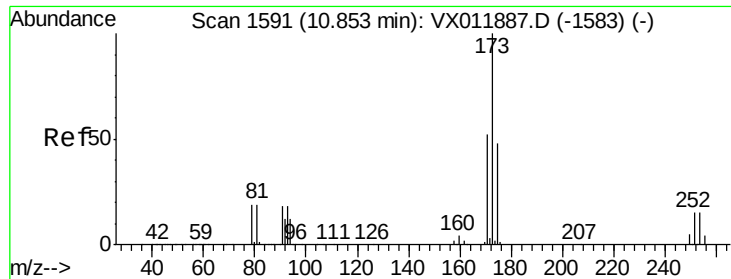
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#70
Styrene
Concen: 21.364 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	216181		
78	49.5	39.2	58.8		
103	54.7	43.0	64.6		





#71

Bromoform

Concen: 22.243 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBS02

Tot Ion:173 Resp: 57048

Ion Ratio Lower Upper

173 100

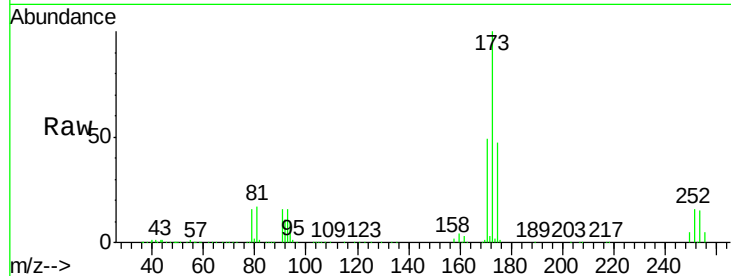
175 48.1 24.4 73.2

254 0.0 0.1 0.1#

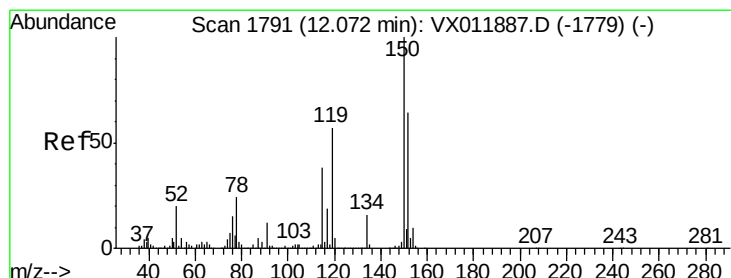
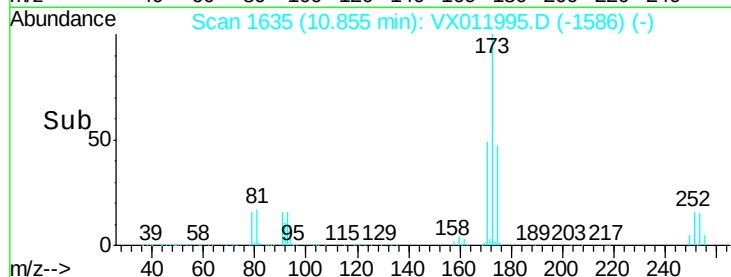
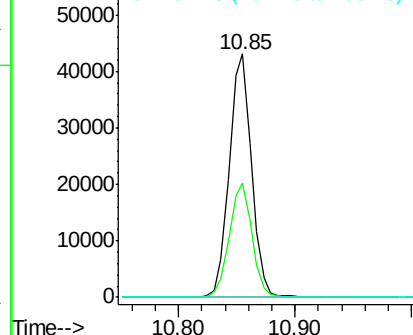
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

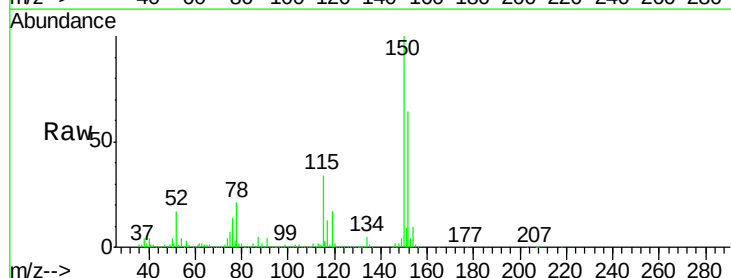
Tgt Ion:152 Resp: 279258

Ion Ratio Lower Upper

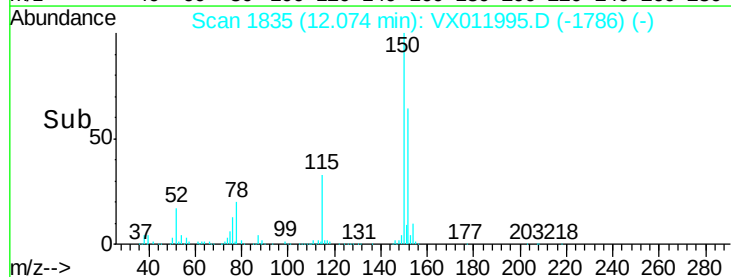
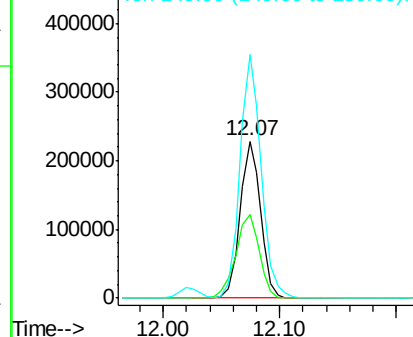
152 100

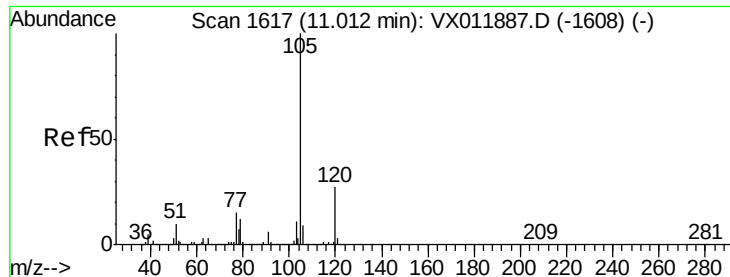
115 61.4 37.1 111.3

150 160.9 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: 21.518 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBSD02

Tot Ion: 105 Resp: 345269

Ion Ratio Lower Upper

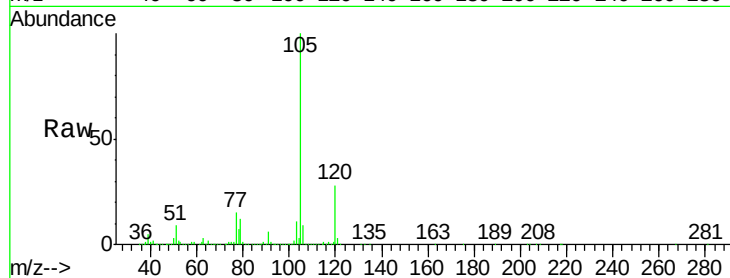
105 100

120 27.7 13.8 41.4

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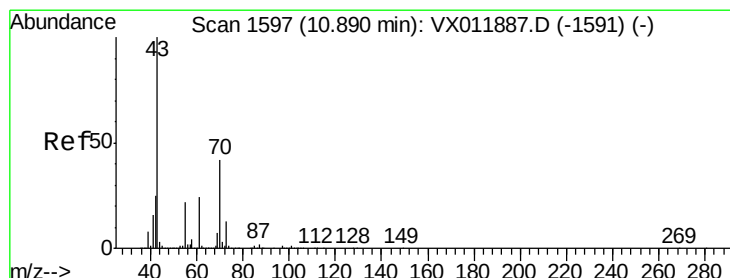
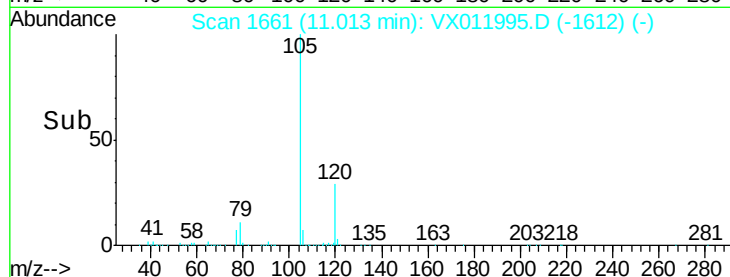
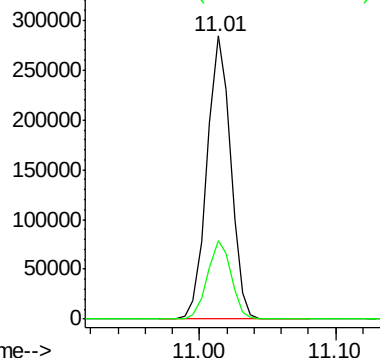
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.607 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Tgt Ion: 43 Resp: 93363

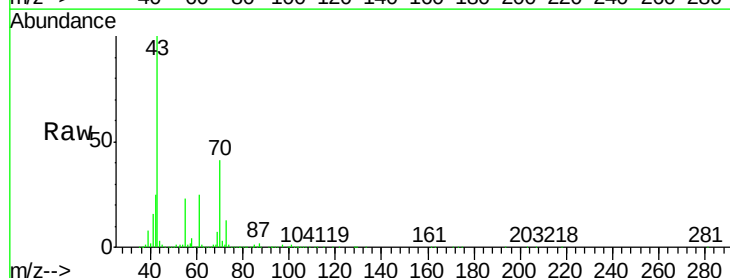
Ion Ratio Lower Upper

43 100

70 42.1 0.2 0.2#

55 23.4 0.1 0.1#

61 24.7 16.4 24.6#

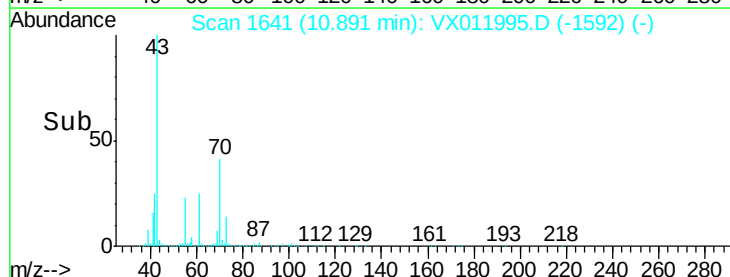
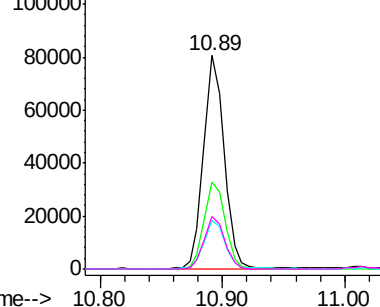


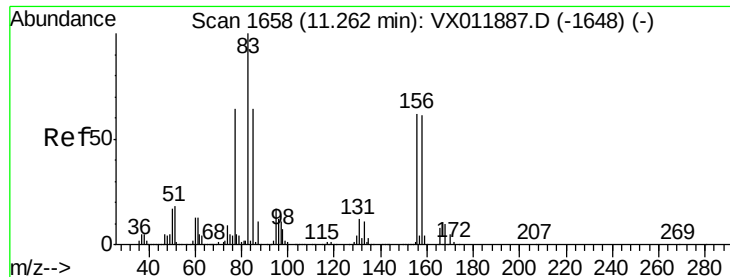
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.802 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

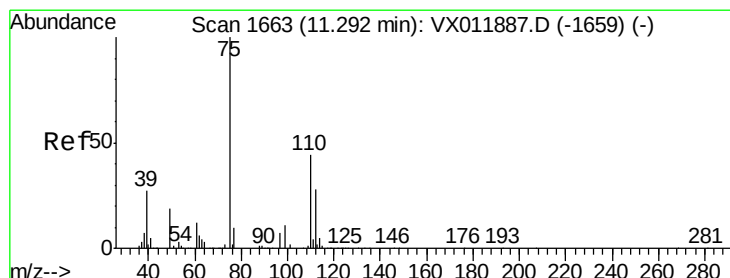
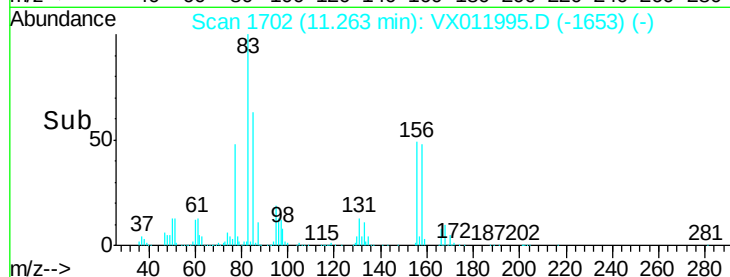
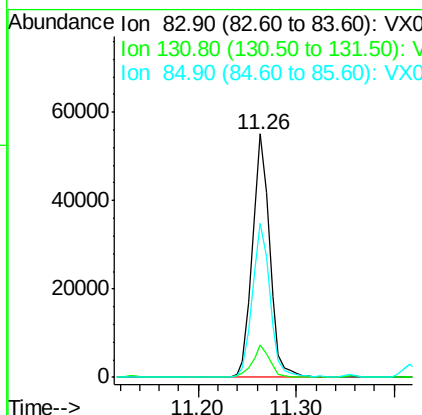
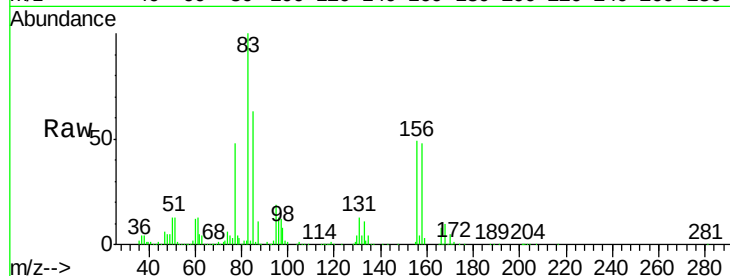
ClientSampleId :

VX0901SBSD02

Tot Ion:	83	Resp:	68311
Ion Ratio	Lower	Upper	
83	100		
131	12.9	6.0	18.0
85	64.4	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 17.983 ug/l m

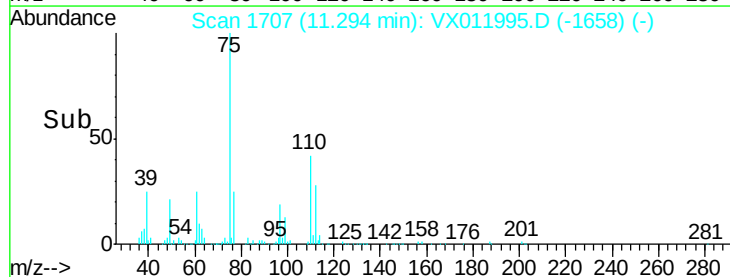
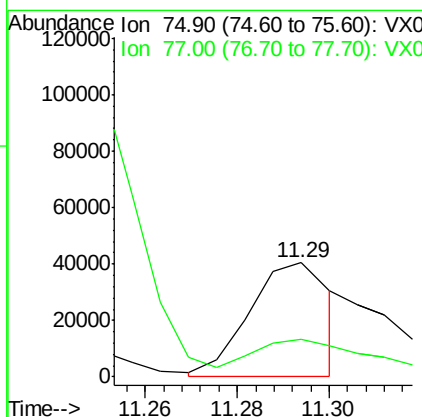
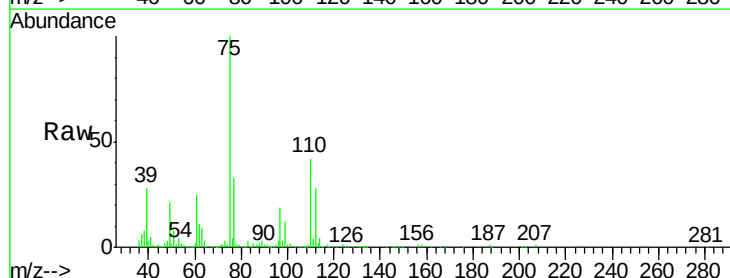
RT: 11.29 min Scan# 1707

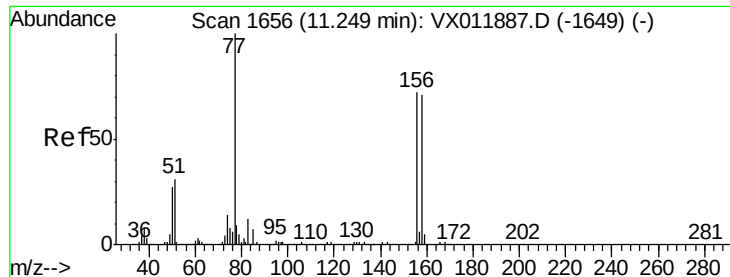
Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Tgt Ion:	75	Resp:	49401
Ion Ratio	Lower	Upper	
75	100		
77	47.6	20.9	62.7





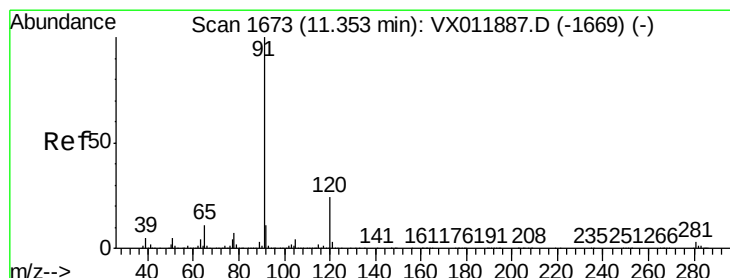
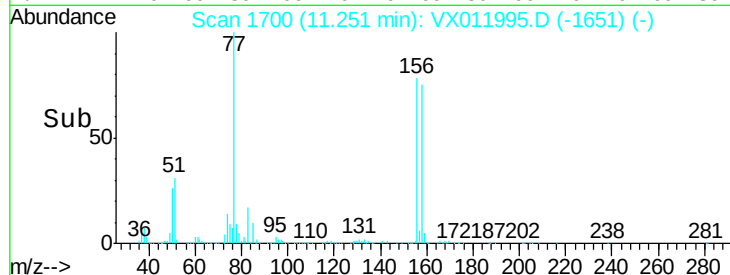
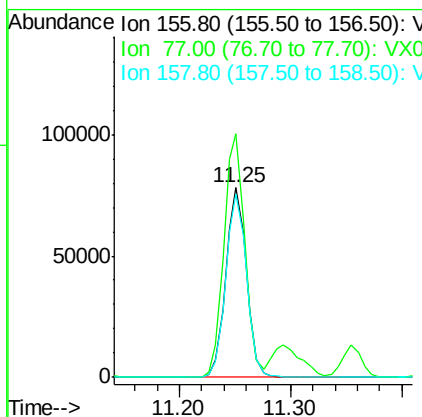
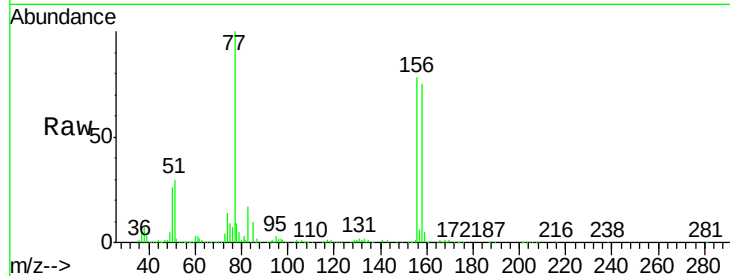
#77
Bromobenzene
Concen: 21.365 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.8	68.1	204.3
158	98.0	48.9	146.8

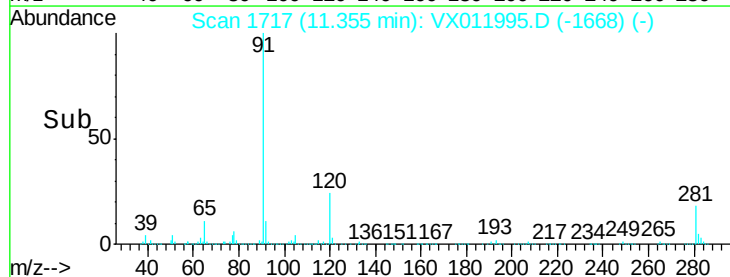
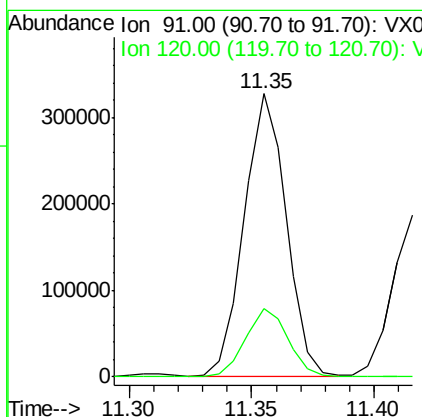
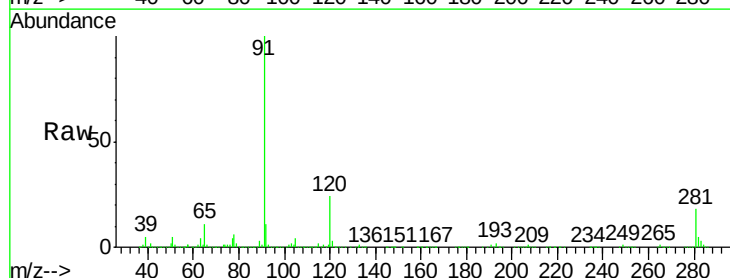
Manual Integrations
APPROVED

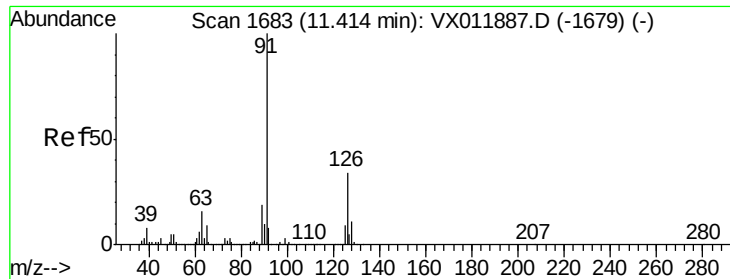
MMDadoda
9/5/2019 2:04:53 AM



#78
n-propylbenzene
Concen: 21.437 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.9





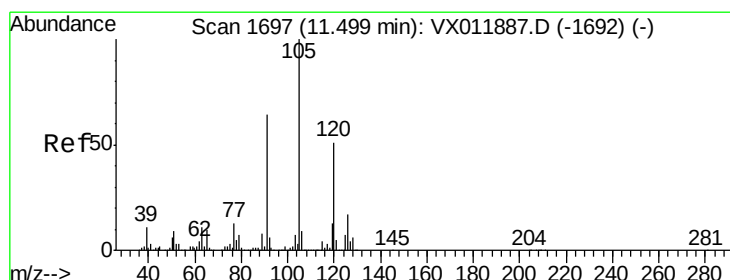
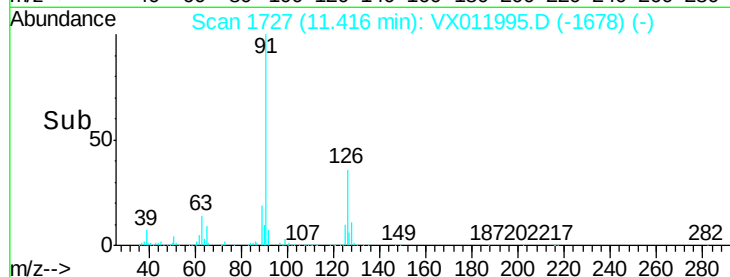
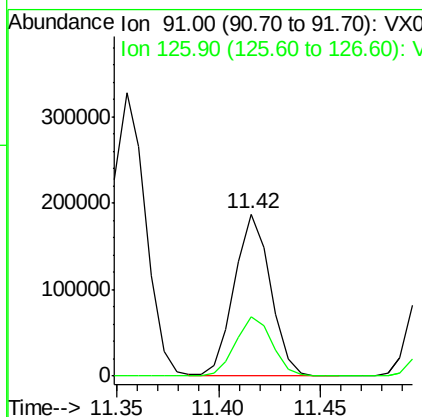
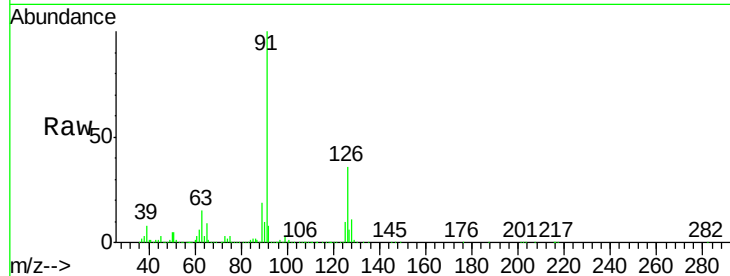
#79
 2-Chlorotoluene
 Concen: 20.947 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBSD02

Tot Ion: 91 Resp: 229415
 Ion Ratio Lower Upper
 91 100
 126 37.0 17.9 53.8

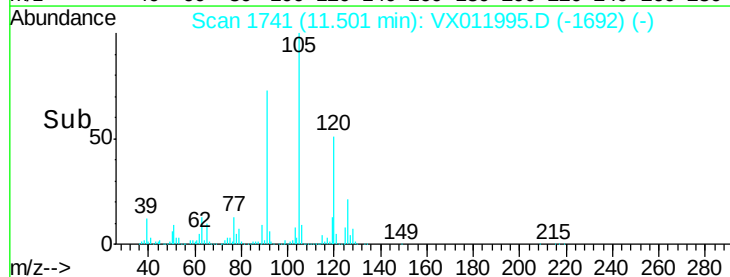
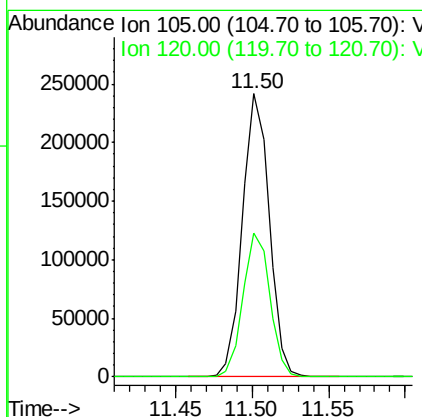
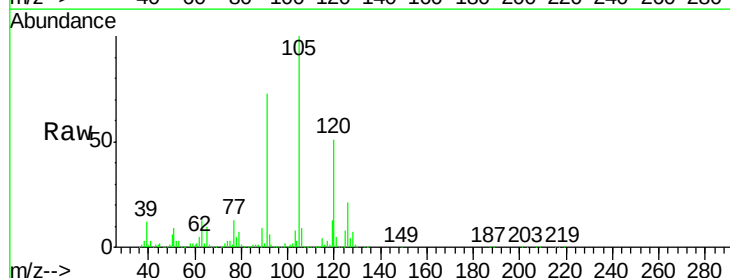
Manual Integrations
 APPROVED

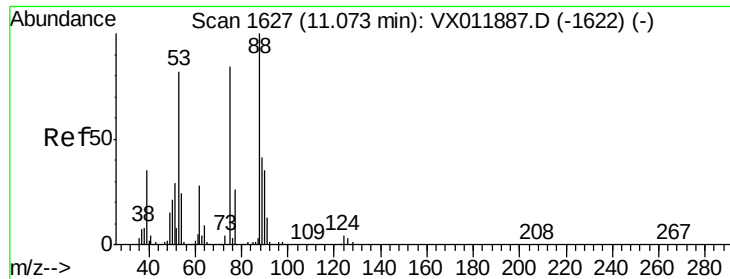
MMDadoda
 9/5/2019 2:04:53 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.047 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Tgt Ion: 105 Resp: 291492
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.3 75.9





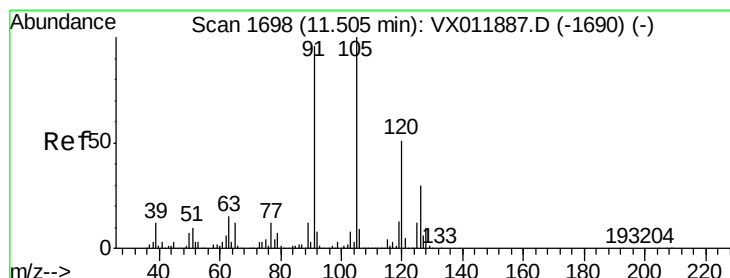
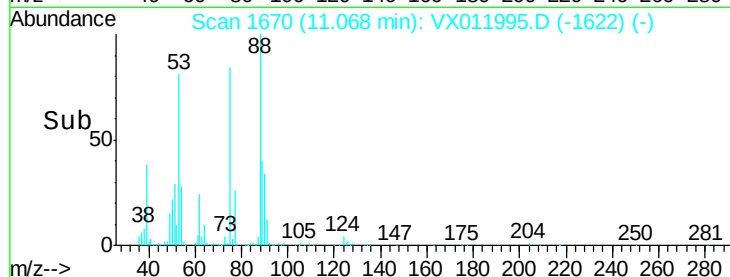
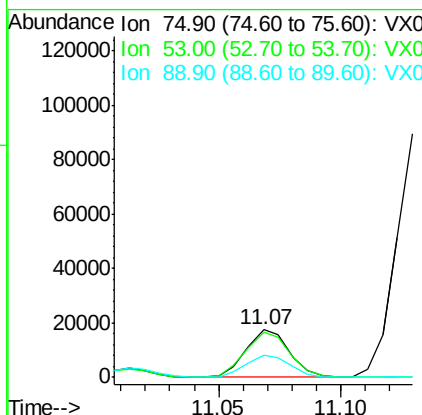
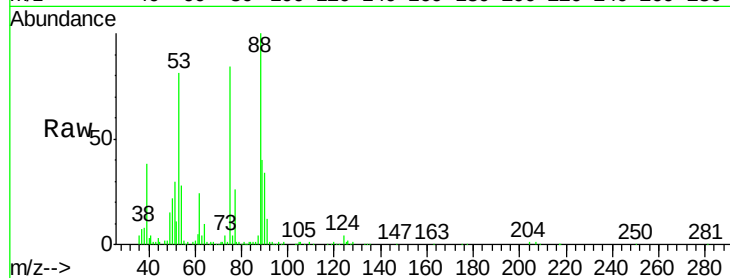
#81
trans-1,4-Dichloro-2-butene
Concen: 19.710 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.7	77.1	115.7
89	49.6	38.2	57.2

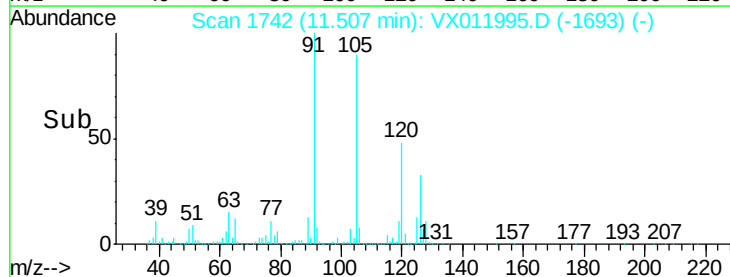
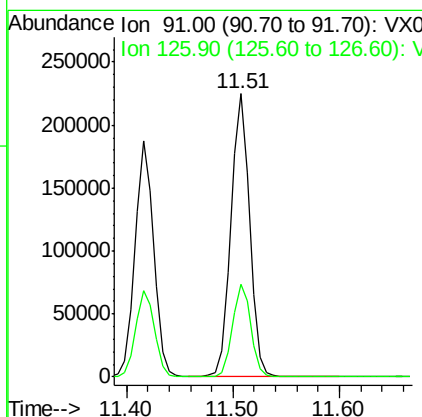
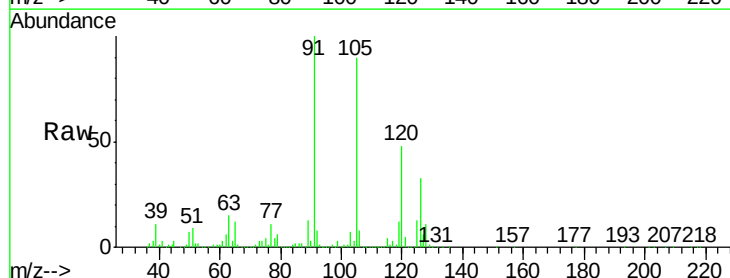
Manual Integrations
APPROVED

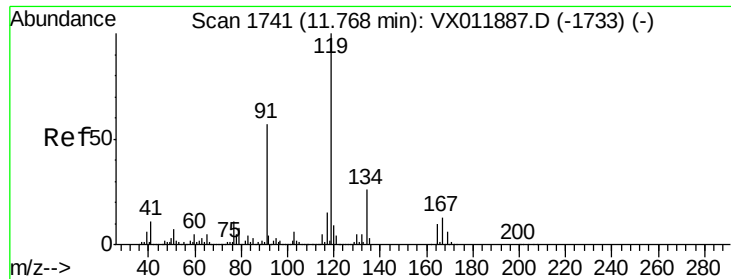
MMDadoda
9/5/2019 2:04:53 AM



#82
4-Chlorotoluene
Concen: 20.957 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.9	47.6





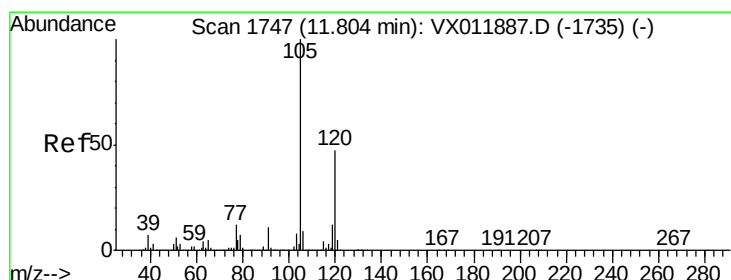
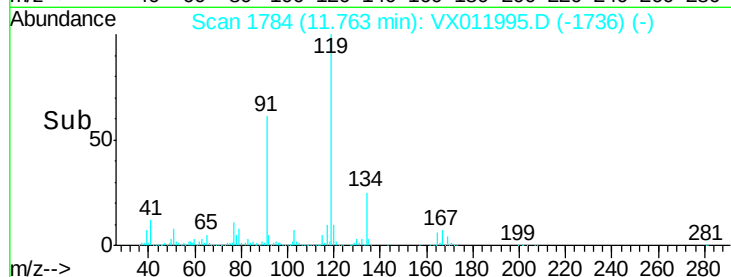
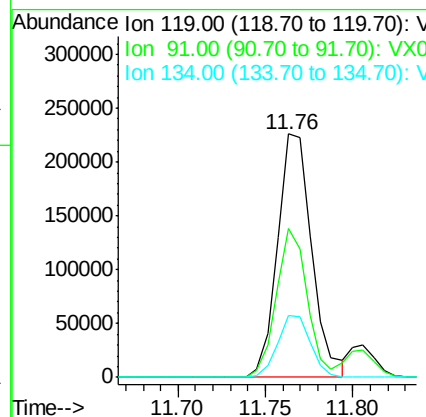
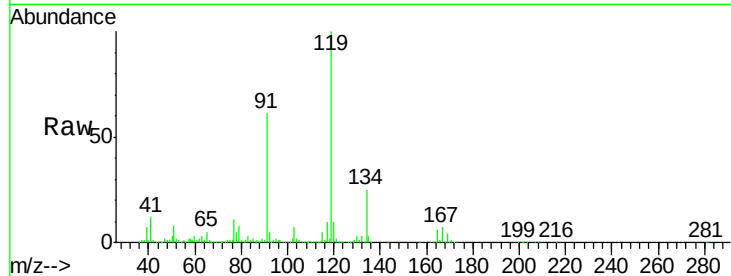
#83
 tert-Butylbenzene
 Concen: 22.014 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	309366		
91	54.7	27.9	83.6	
134	24.5	12.3	36.8	

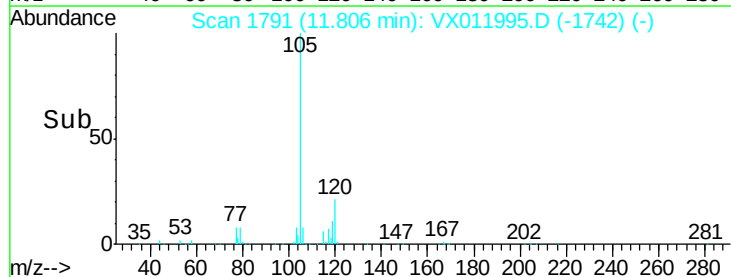
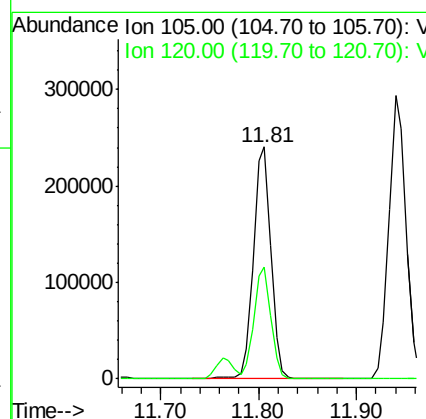
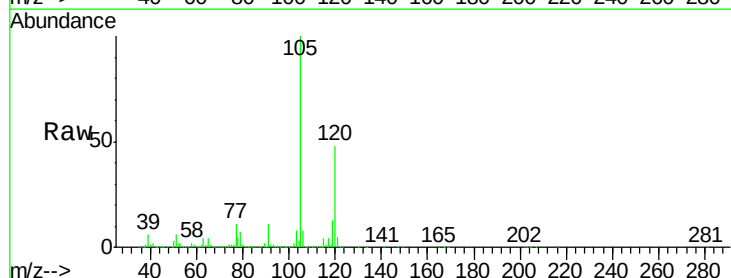
Manual Integrations
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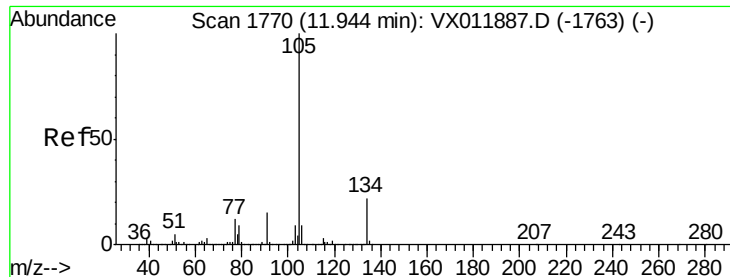
MMDadoda
 9/5/2019 2:04:53 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.978 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297751		
120	46.8	23.4	70.3	





#85

sec-Butylbenzene

Concen: 21.846 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

VX0901SBSD02

Tot Ion:105 Resp: 356589

Ion Ratio Lower Upper

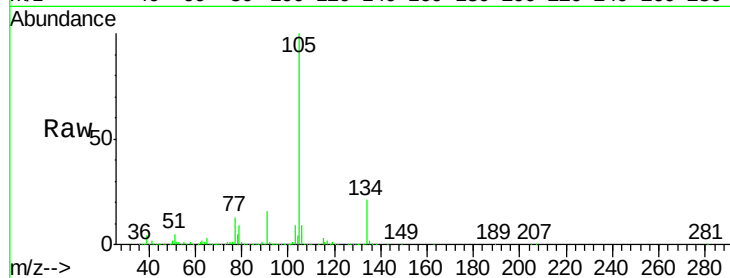
105 100

134 22.1 10.9 32.7

Manual Integrations
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9/5/2019 2:04:53 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

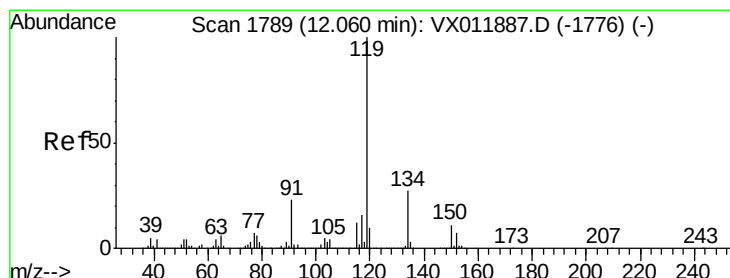
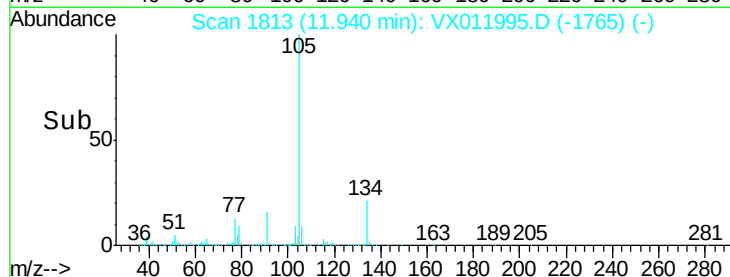
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.855 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011995.D

Acq: 01 Sep 2019 16:35

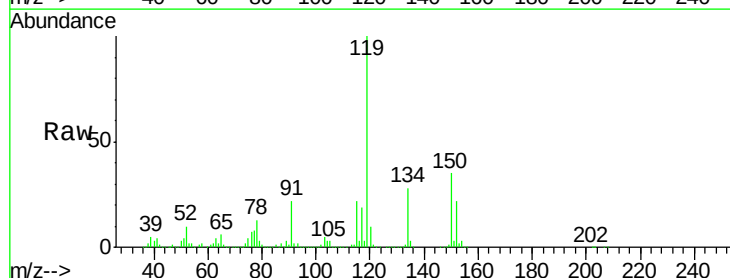
Tgt Ion:119 Resp: 345916

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

91 22.8 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): V

12.06

400000

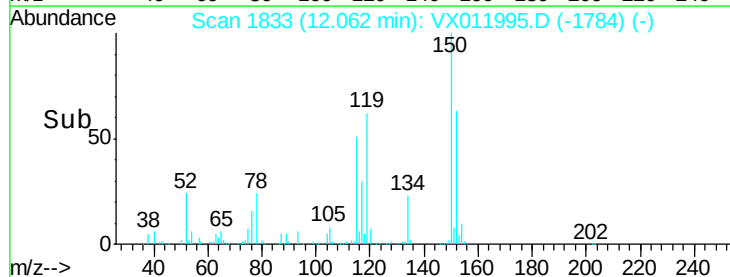
300000

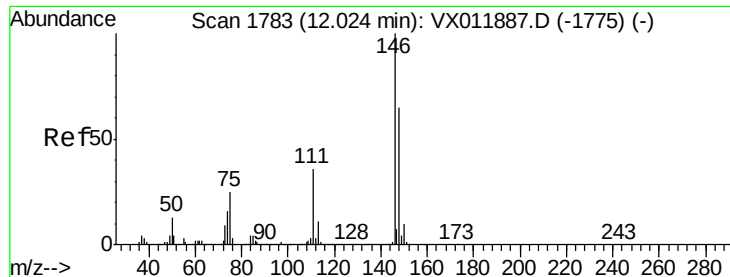
200000

100000

0

Time-->





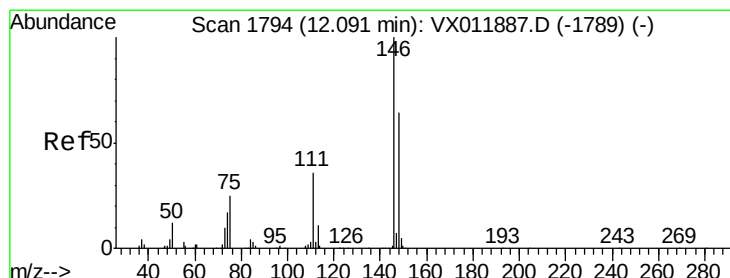
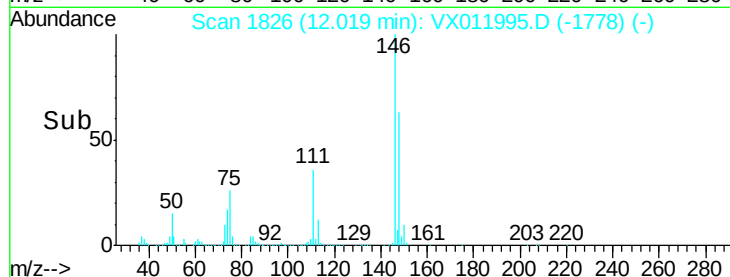
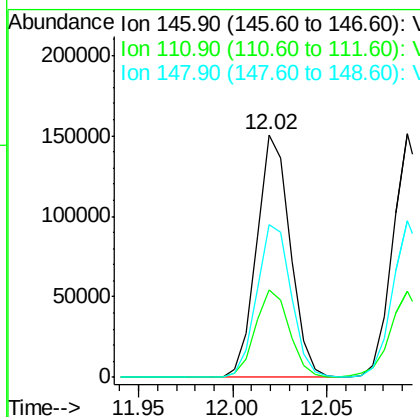
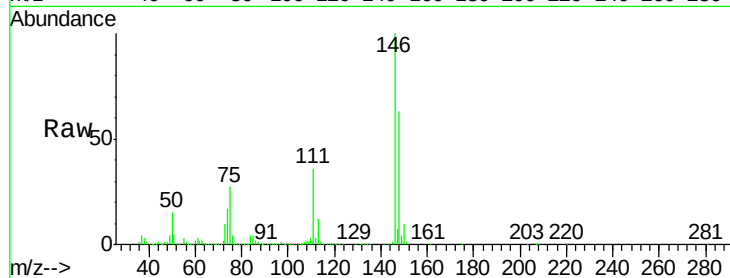
#87
 1,3-Dichlorobenzene
 Concen: 21.458 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	185589		
111	36.6	18.4	55.2	
148	64.6	32.1	96.5	

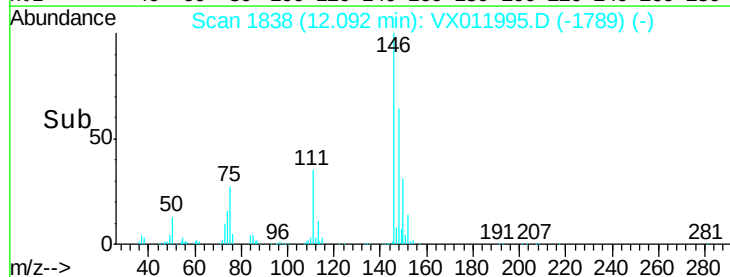
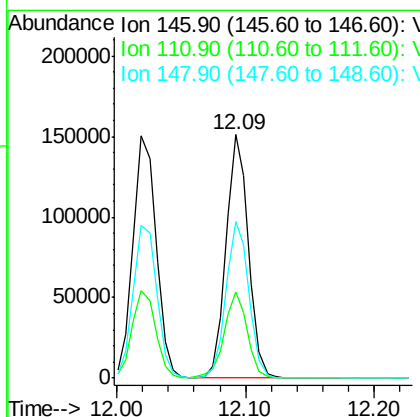
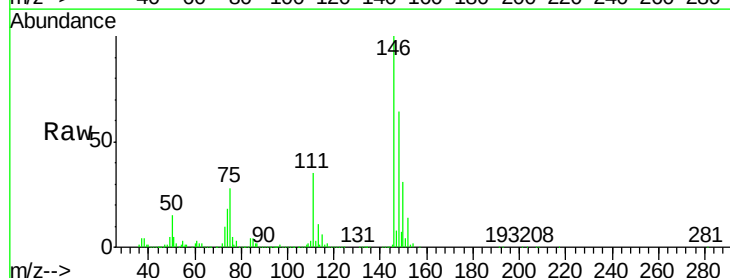
Manual Integrations
 APPROVED

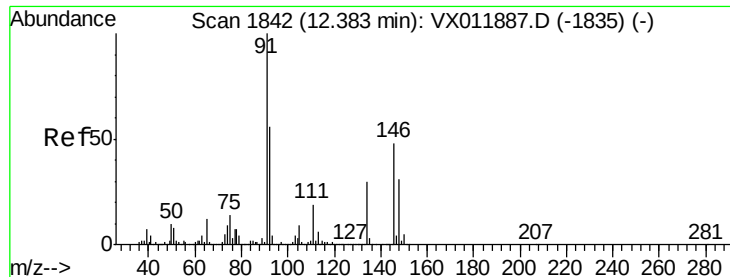
MMDadoda
 9/5/2019 2:04:53 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.105 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	184527		
111	36.4	17.9	53.7	
148	65.7	32.4	97.0	





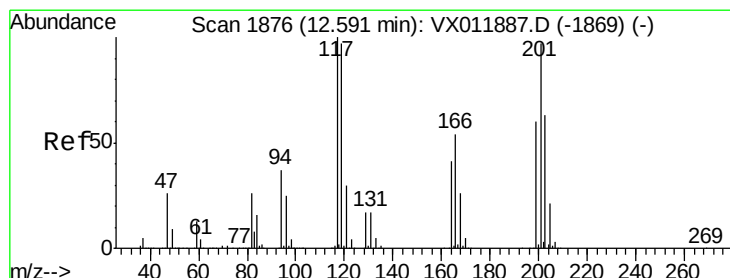
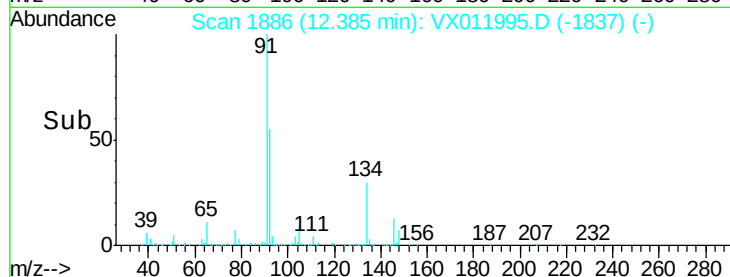
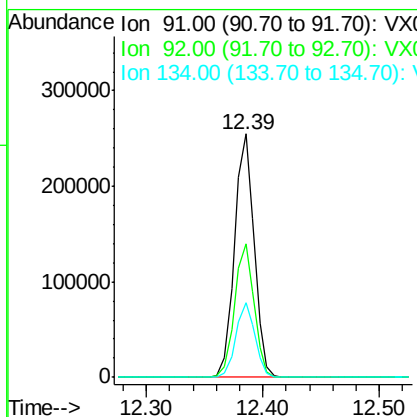
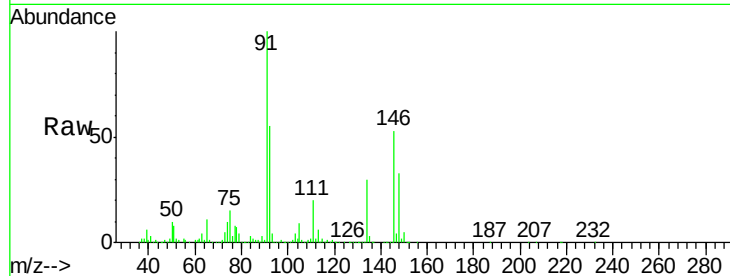
#89
n-Butylbenzene
Concen: 21.367 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	299210		
92	54.7		27.6	82.8
134	29.8		14.8	44.3

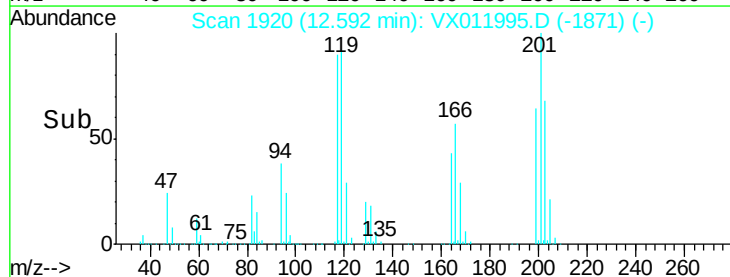
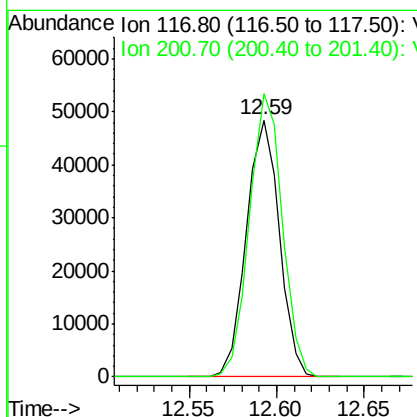
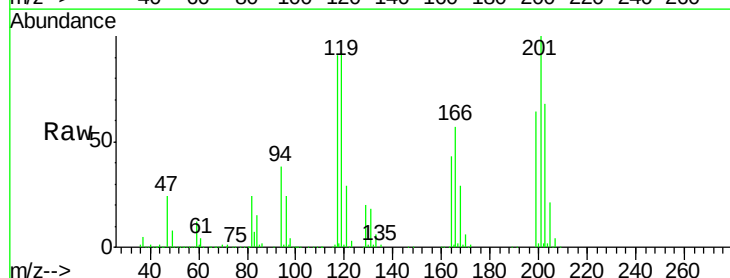
Manual Integrations
APPROVED

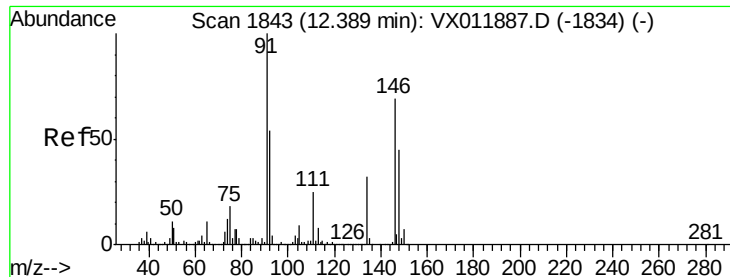
MMDadoda
9/5/2019 2:04:53 AM



#90
Hexachloroethane
Concen: 20.830 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	63782		
201	109.3		52.8	158.5





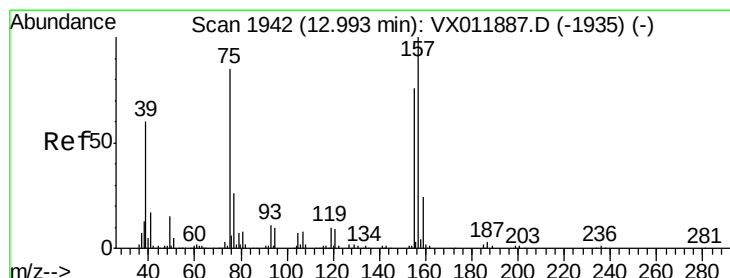
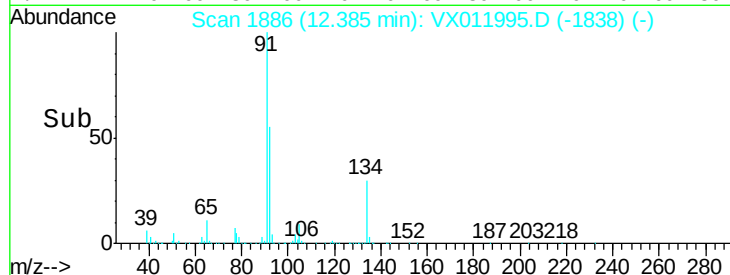
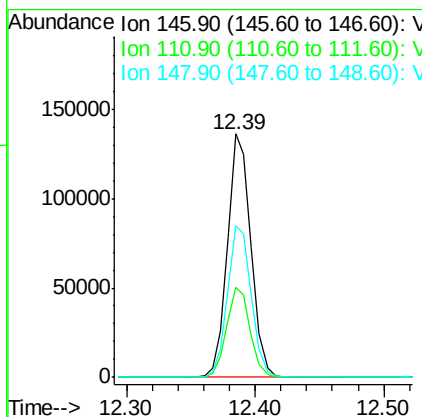
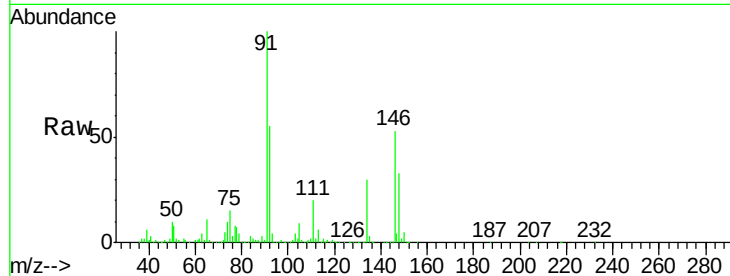
#91
 1,2-Dichlorobenzene
 Concen: 21.671 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	174257		
111	37.1	18.9	56.5	
148	63.4	32.1	96.3	

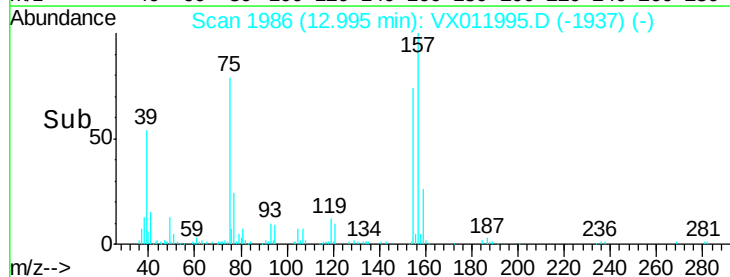
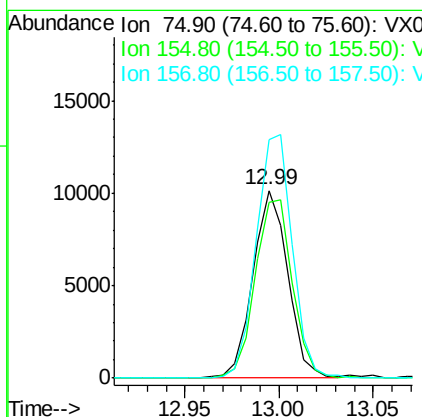
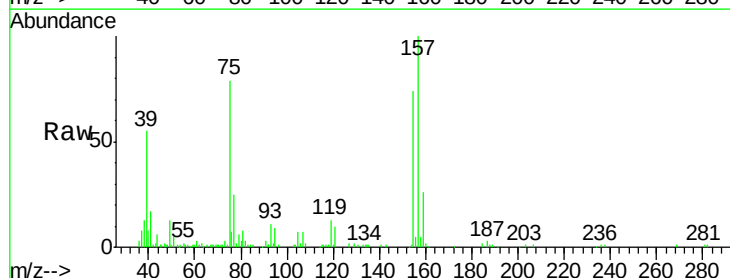
Manual Integrations
 APPROVED

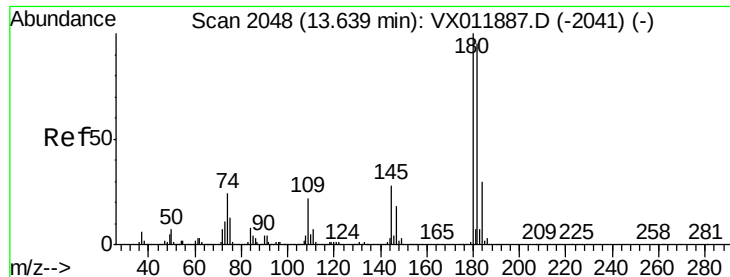
MMDadoda
 9/5/2019 2:04:53 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.976 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13067		
155	101.1	50.1	150.4	
157	133.6	63.9	191.7	





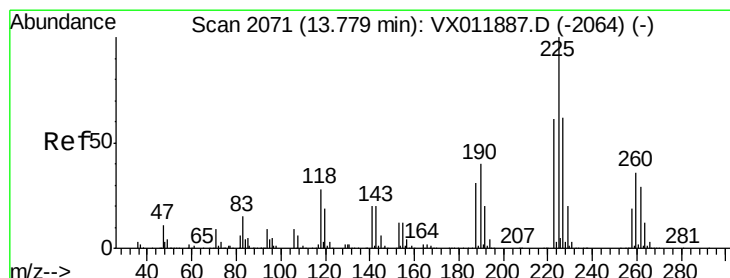
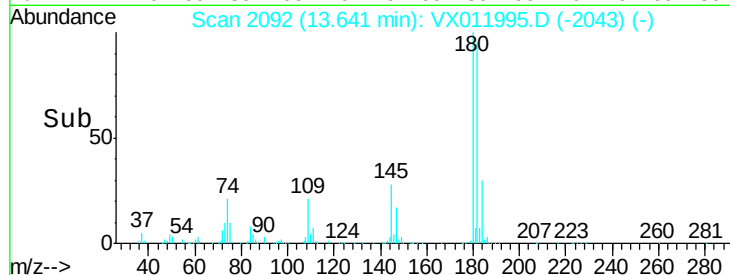
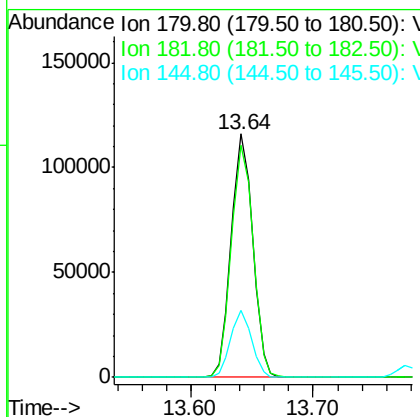
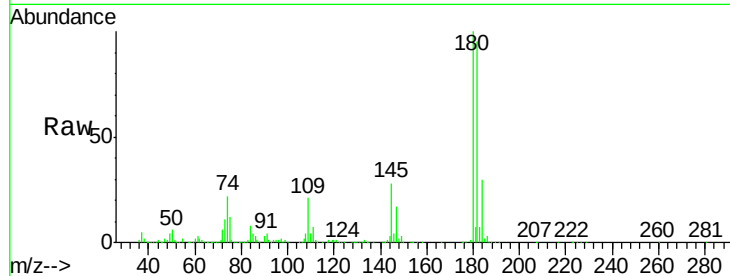
#93
 1,2,4-Trichlorobenzene
 Concen: 20.828 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	141020		
182	96.8	48.1	144.4	
145	27.2	13.8	41.3	

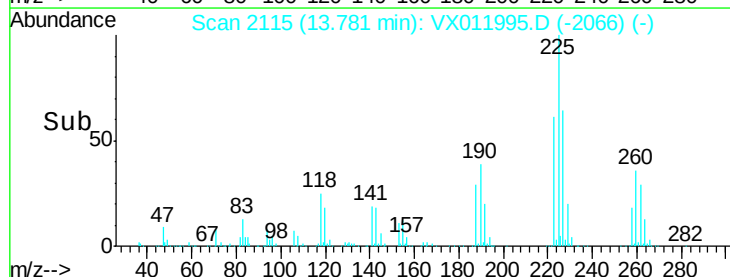
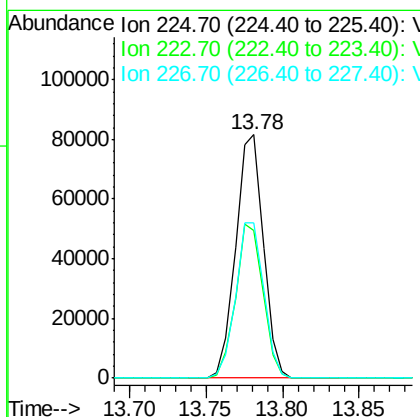
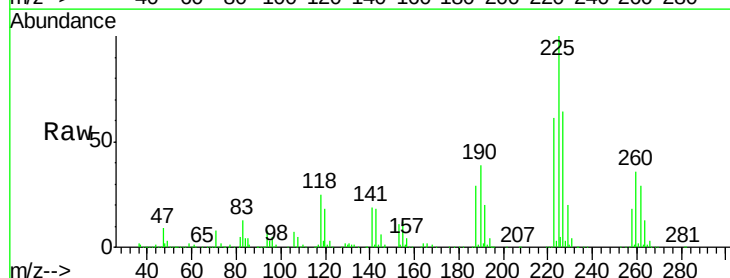
Manual Integrations
 APPROVED

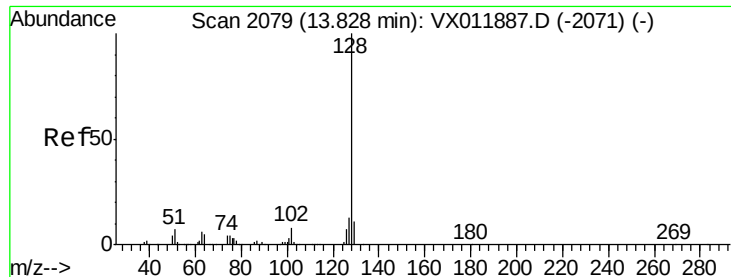
MMDadoda
 9/5/2019 2:04:53 AM



#94
 Hexachlorobutadiene
 Concen: 22.559 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX011995.D
 Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102006		
223	62.9	30.8	92.3	
227	64.8	31.9	95.7	





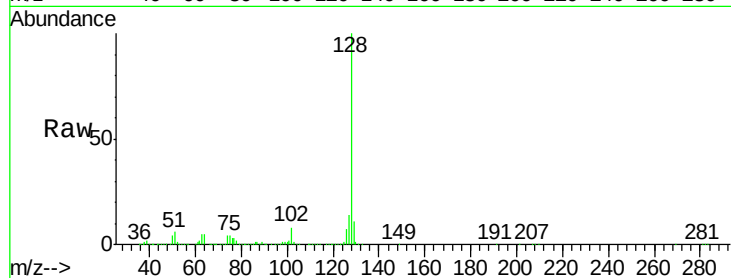
#95
Naphthalene
Concen: 19.542 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
VX0901SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	227082		
127	13.3	10.4	15.6	
129	10.8	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
9/5/2019 2:04:53 AM

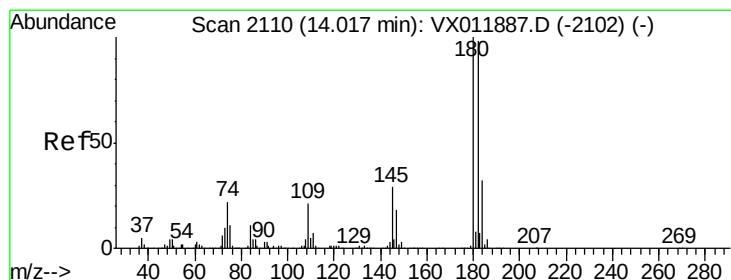
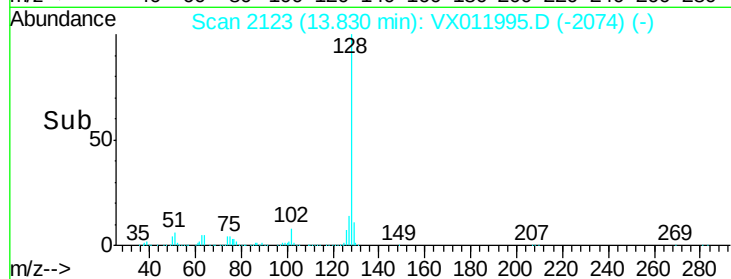
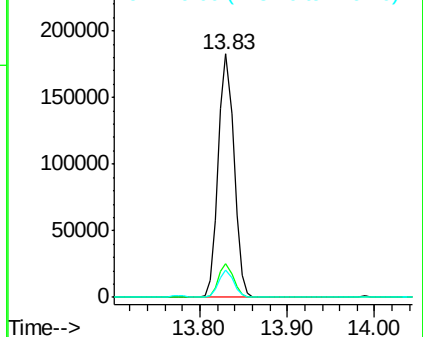


Abundance

Ion 128.00 (127.70 to 128.70): V

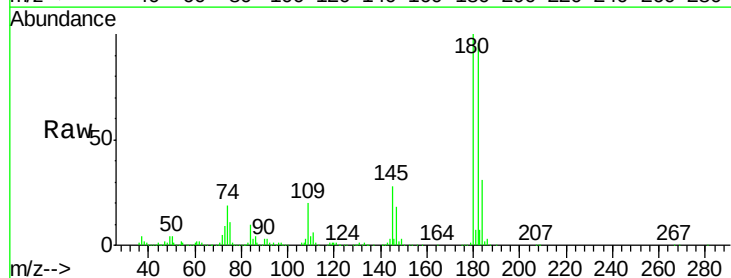
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.539 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VX011995.D
Acq: 01 Sep 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	125752		
182	95.3	48.3	144.8	
145	29.0	14.6	43.8	



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

