

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082919\
 Data File : VX011897.D
 Acq On : 30 Aug 2019 04:01
 Operator : SY/SP
 Sample : VX0829SBS01
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 2:39:24 AM

Quant Time: Aug 30 06:27:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	335119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	495817	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	474372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	276173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	164996	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	5.48	113	152525	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	8.71	98	555162	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.13	95	229541	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	36232	17.914	ug/l	99
3) Chloromethane	1.31	50	46486	19.826	ug/l	99
4) Vinyl Chloride	1.40	62	41502	18.536	ug/l	100
5) Bromomethane	1.62	94	33808	21.823	ug/l	99
6) Chloroethane	1.70	64	27366	19.639	ug/l	100
7) Trichlorofluoromethane	1.91	101	69042	17.756	ug/l	96
8) Diethyl Ether	2.17	74	26539	19.860	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	44806	17.680	ug/l	99
10) Methyl Iodide	2.50	142	29273	13.478	ug/l	100
11) Tert butyl alcohol	3.03	59	29734	96.258	ug/l	100
12) 1,1-Dichloroethene	2.35	96	43155	18.335	ug/l	98
13) Acrolein	2.28	56	16267	105.805	ug/l	97
14) Allyl chloride	2.71	41	84778	19.201	ug/l	100
15) Acrylonitrile	3.13	53	73221	99.754	ug/l	99
16) Acetone	2.43	43	61474	88.987	ug/l	100
17) Carbon Disulfide	2.56	76	120254	17.812	ug/l	99
18) Methyl Acetate	2.76	43	44016	23.017	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	156738	20.555	ug/l	100
20) Methylene Chloride	2.84	84	65074	19.035	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	53745	19.385	ug/l	95
22) Diisopropyl ether	3.84	45	185927	20.628	ug/l	93
23) Vinyl Acetate	3.80	43	555326	95.828	ug/l	99
24) 1,1-Dichloroethane	3.68	63	99179	19.954	ug/l	100
25) 2-Butanone	4.66	43	96961	96.368	ug/l	97
26) 2,2-Dichloropropane	4.56	77	73269	17.575	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	66287	20.297	ug/l	99
28) Bromochloromethane	5.00	49	50137	22.479	ug/l	99
29) Tetrahydrofuran	5.12	42	63922	101.785	ug/l	99
30) Chloroform	5.20	83	109582	20.619	ug/l	98
31) Cyclohexane	5.57	56	71358	17.799	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	90306	19.129	ug/l	99
36) 1,1-Dichloropropene	5.79	75	69223	17.623	ug/l	100
37) Ethyl Acetate	4.82	43	42832	18.421	ug/l	98
38) Carbon Tetrachloride	5.77	117	78705	17.276	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	79102	16.907	ug/l	98
40) Benzene	6.13	78	220330	18.791	ug/l	99
41) Methacrylonitrile	5.03	41	25679	18.757	ug/l	98
42) 1,2-Dichloroethane	6.18	62	77288	19.383	ug/l	98
43) Isopropyl Acetate	6.43	43	88021	18.672	ug/l	99
44) Trichloroethene	7.20	130	66767	18.404	ug/l	96
45) 1,2-Dichloropropane	7.51	63	59826	19.506	ug/l	97
46) Dibromomethane	7.65	93	34925	19.187	ug/l	98
47) Bromodichloromethane	7.89	83	86256	19.110	ug/l	98
48) Methyl methacrylate	7.76	41	43280	18.869	ug/l	99
49) 1,4-Dioxane	7.73	88	12198	386.724	ug/l	94
51) 4-Methyl-2-Pentanone	8.63	43	224270	93.647	ug/l	99
52) Toluene	8.78	92	145415	18.746	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	85544	18.502	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	94992	18.303	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	51177	19.205	ug/l	98
56) Ethyl methacrylate	9.17	69	67962	18.376	ug/l	99
57) 1,3-Dichloropropane	9.37	76	84397	19.082	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	180824	102.655	ug/l	100
59) 2-Hexanone	9.49	43	157236	92.429	ug/l	100
60) Dibromochloromethane	9.58	129	68435	19.122	ug/l	99
61) 1,2-Dibromoethane	9.66	107	49883	18.881	ug/l	100
64) Tetrachloroethene	9.33	164	74515	19.528	ug/l	99
65) Chlorobenzene	10.13	112	174578	18.991	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	70689	19.016	ug/l	99
67) Ethyl Benzene	10.25	91	286221	18.304	ug/l	99
68) m/p-Xylenes	10.35	106	222378	36.830	ug/l	98
69) o-Xylene	10.69	106	108396	18.423	ug/l	98
70) Styrene	10.71	104	194599	18.764	ug/l	100
71) Bromoform	10.85	173	47890	18.219	ug/l #	99
73) Isopropylbenzene	11.01	105	290483	18.306	ug/l	100
74) N-amyl acetate	10.89	43	83187	17.665	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	59893	18.442	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	50226m	18.488	ug/l	
77) Bromobenzene	11.25	156	86911	18.885	ug/l	99
78) n-propylbenzene	11.35	91	331995	18.450	ug/l	100
79) 2-Chlorotoluene	11.41	91	202018	18.652	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	258600	18.880	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17807	16.466	ug/l	98
82) 4-Chlorotoluene	11.51	91	246942	18.899	ug/l	100
83) tert-Butylbenzene	11.77	119	253280	18.224	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	264934	18.874	ug/l	99
85) sec-Butylbenzene	11.94	105	297812	18.449	ug/l	100
86) p-Isopropyltoluene	12.06	119	290554	18.562	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	164172	19.194	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	163714	18.934	ug/l	99
89) n-Butylbenzene	12.38	91	255820	18.473	ug/l	99
90) Hexachloroethane	12.59	117	58585	19.346	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	151446	19.045	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	11646	18.003	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	129254	19.304	ug/l	99
94) Hexachlorobutadiene	13.78	225	83573	18.689	ug/l	99
95) Naphthalene	13.83	128	209898	18.265	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	117884	19.469	ug/l	98

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

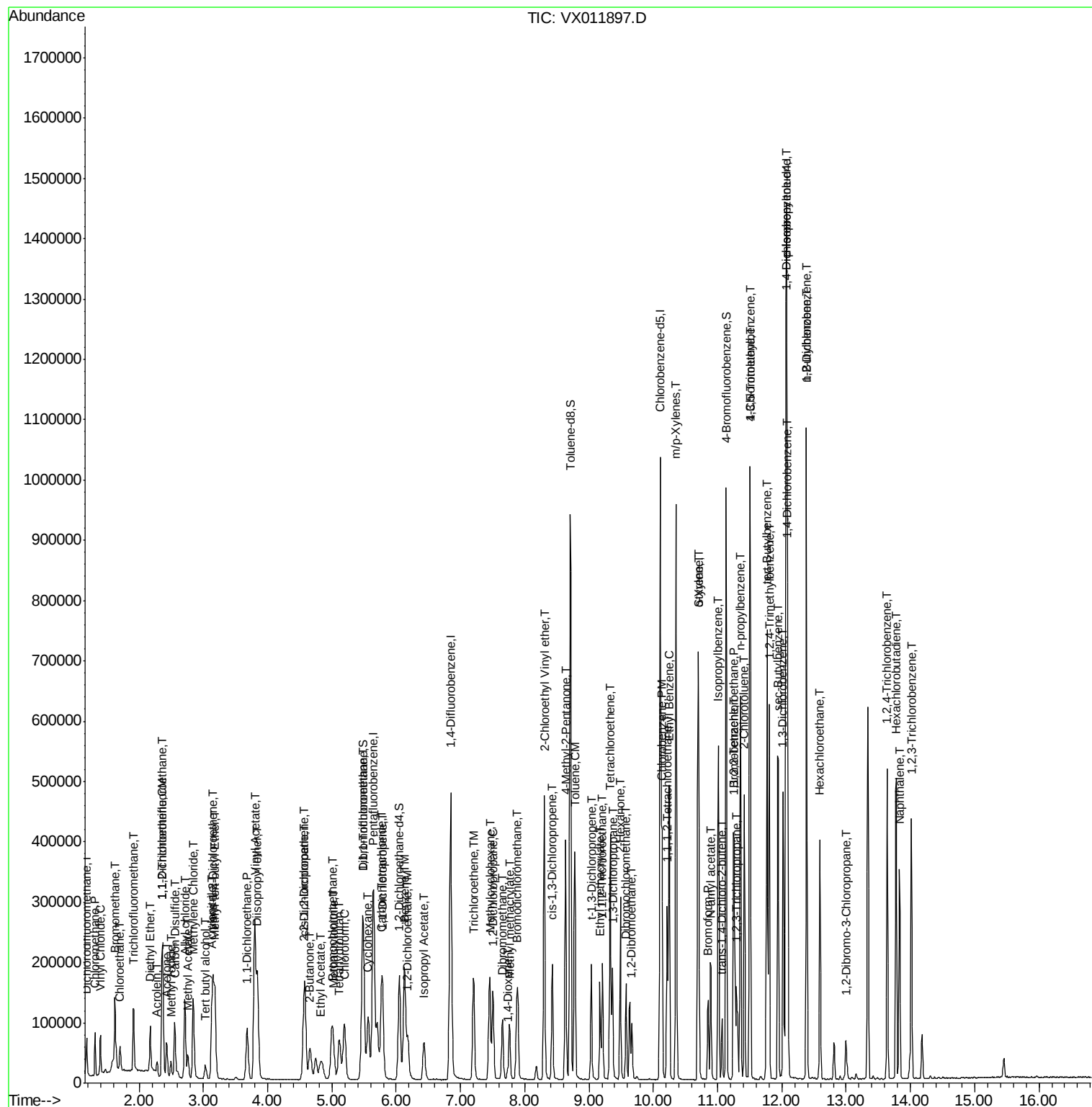
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Acq On : 30 Aug 2019 04:01
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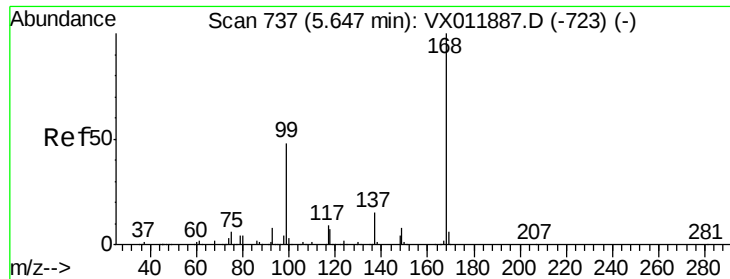
Instrument :
MSVOA_X
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

Tot Ion:168 Resp: 335119

Ion Ratio Lower Upper

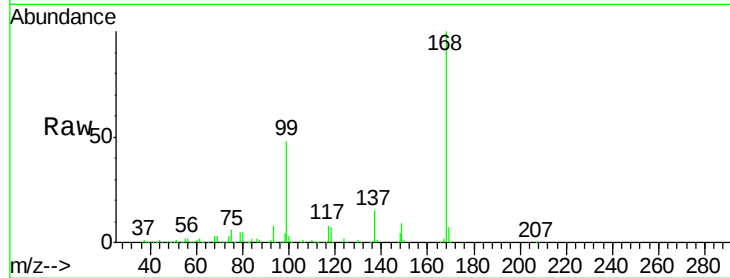
168 100

99 48.1 38.4 57.6

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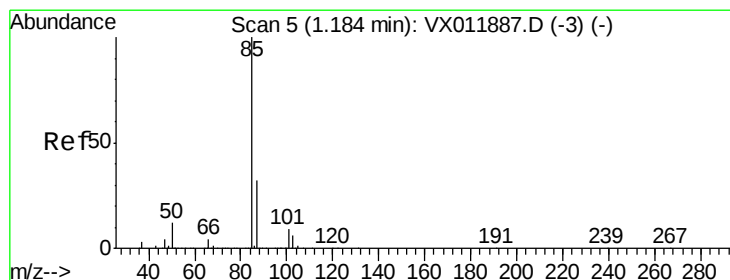
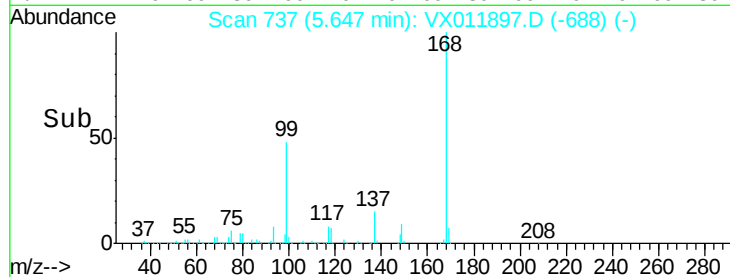
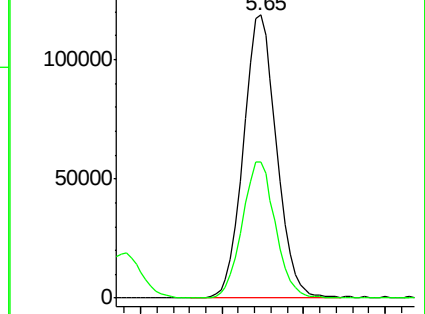
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.914 ug/l

RT: 1.18 min Scan# 5

Delta R.T. 0.00 min

Lab File: VX011897.D

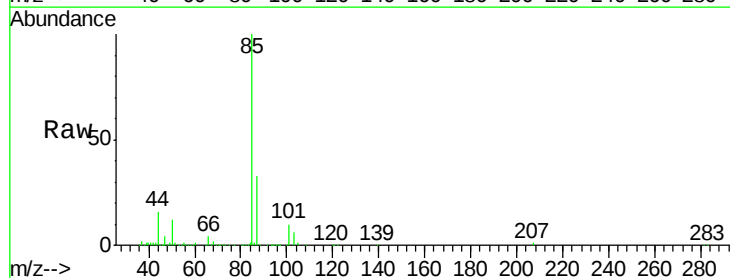
Acq: 30 Aug 2019 04:01

Tgt Ion: 85 Resp: 36232

Ion Ratio Lower Upper

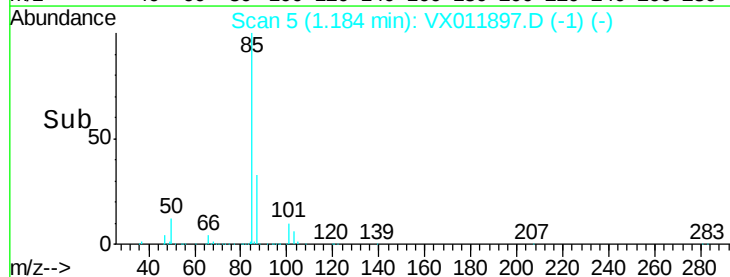
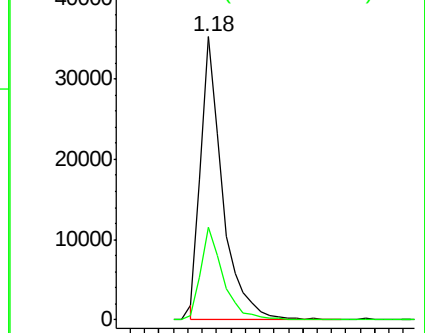
85 100

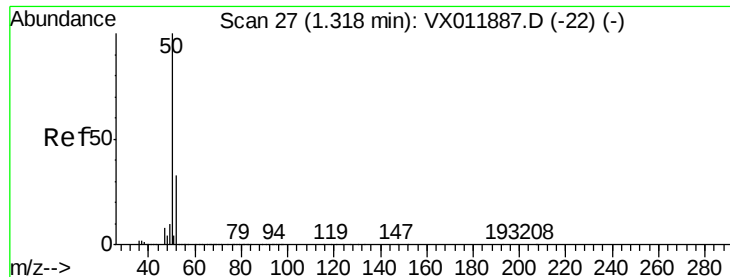
87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.826 ug/l

RT: 1.31 min Scan# 26

Delta R.T. -0.01 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

Tot Ion: 50 Resp: 46486

Ion Ratio Lower Upper

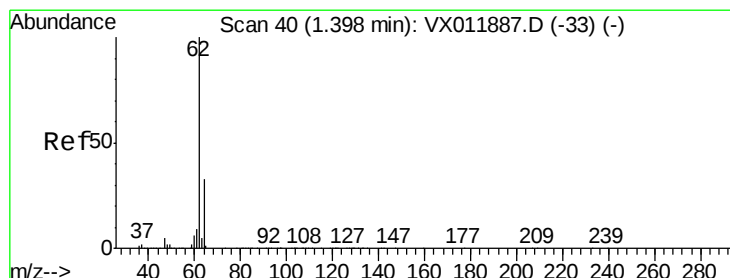
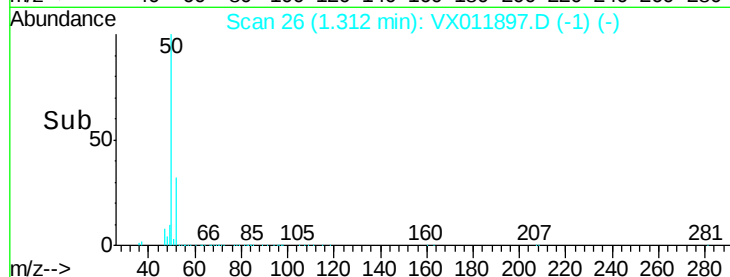
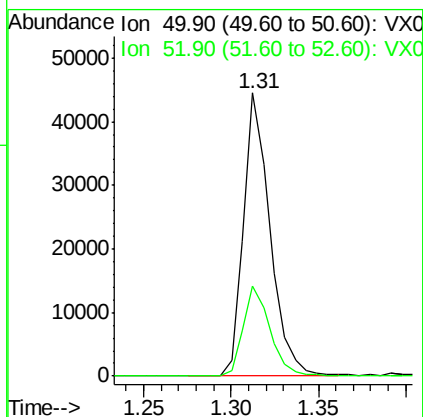
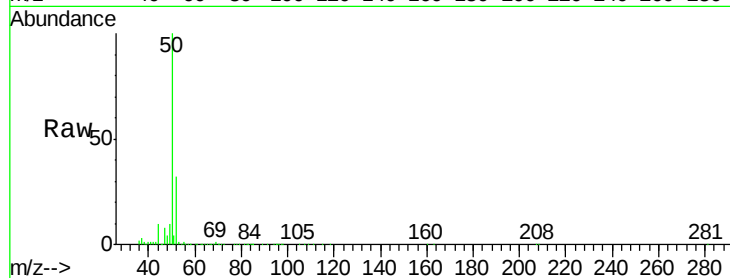
50 100

52 32.0 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.536 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011897.D

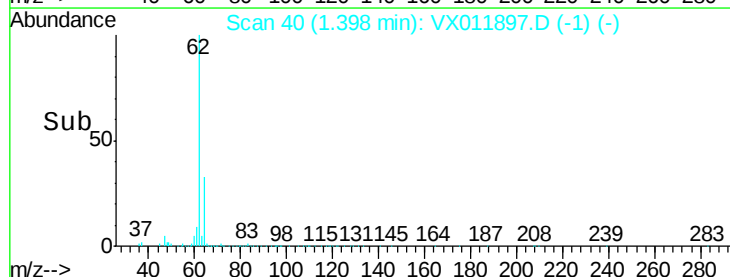
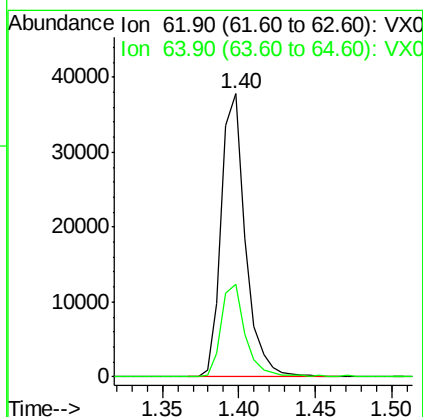
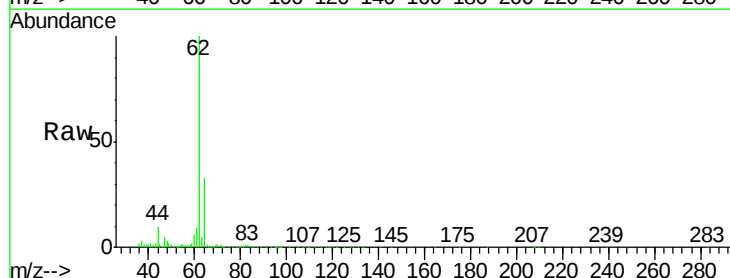
Acq: 30 Aug 2019 04:01

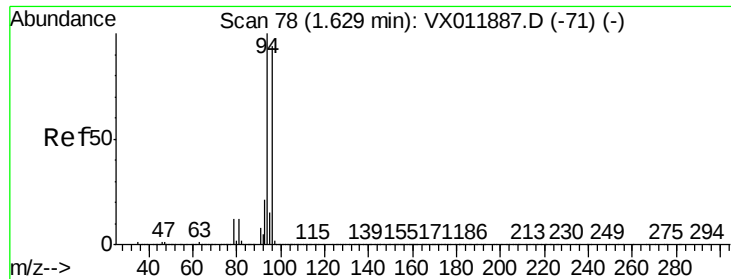
Tgt Ion: 62 Resp: 41502

Ion Ratio Lower Upper

62 100

64 32.6 26.0 39.0





#5

Bromomethane

Concen: 21.823 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 94 Resp: 33808

Ion Ratio Lower Upper

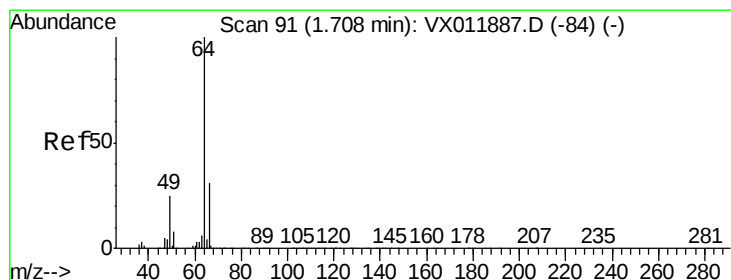
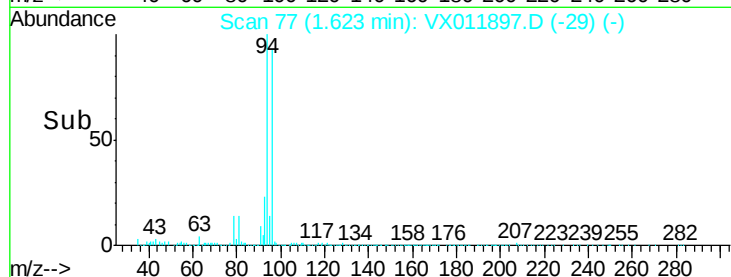
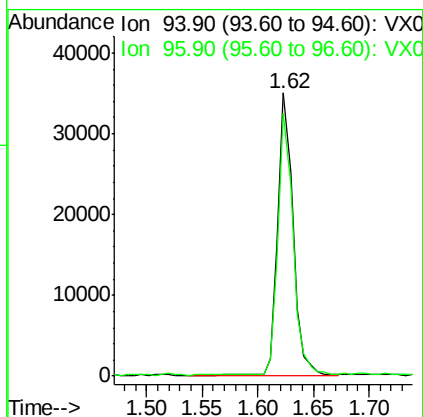
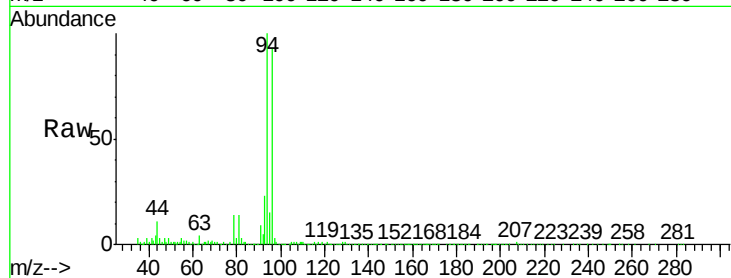
94 100

96 92.8 75.0 112.6

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#6

Chloroethane

Concen: 19.639 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX011897.D

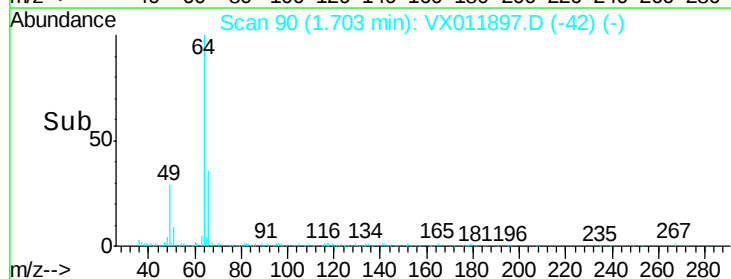
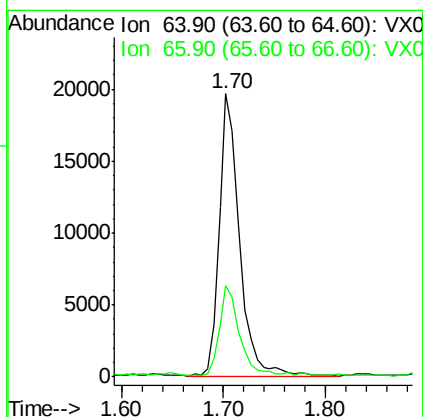
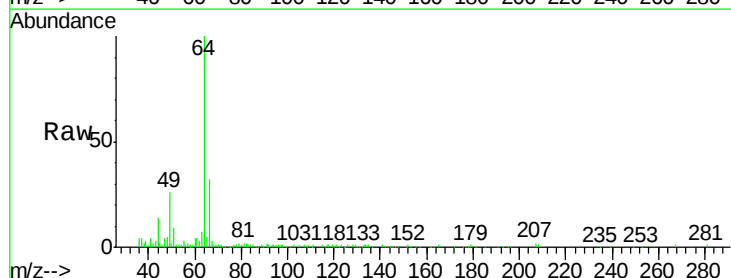
Acq: 30 Aug 2019 04:01

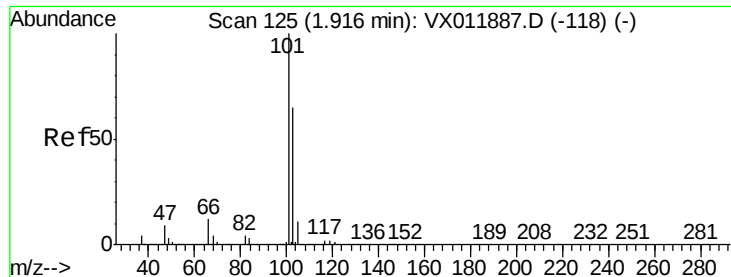
Tgt Ion: 64 Resp: 27366

Ion Ratio Lower Upper

64 100

66 31.4 25.0 37.4





#7

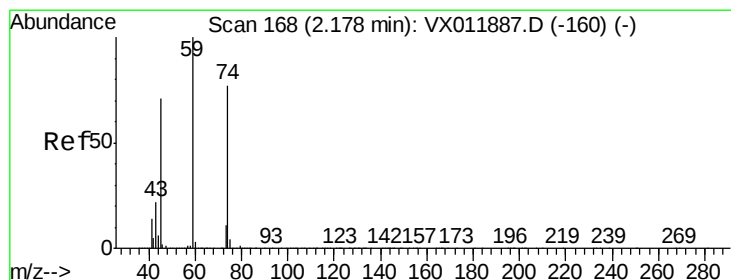
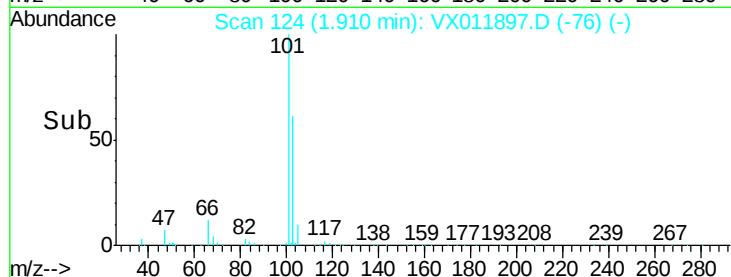
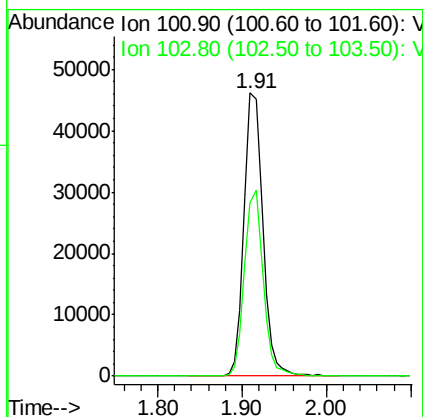
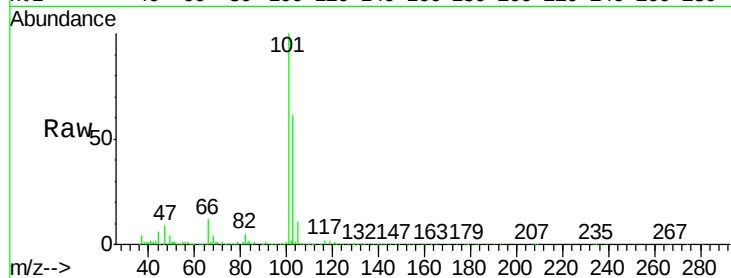
Trichlorofluoromethane
Concen: 17.756 ug/l
RT: 1.91 min Scan# 124
Delta R.T. -0.01 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	69042		
103	61.0	51.6	77.4	

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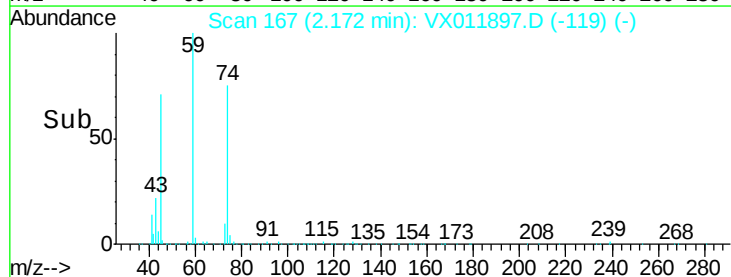
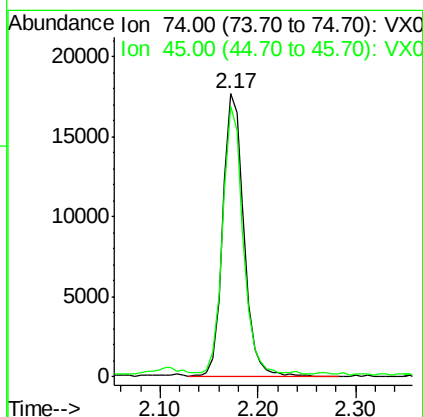
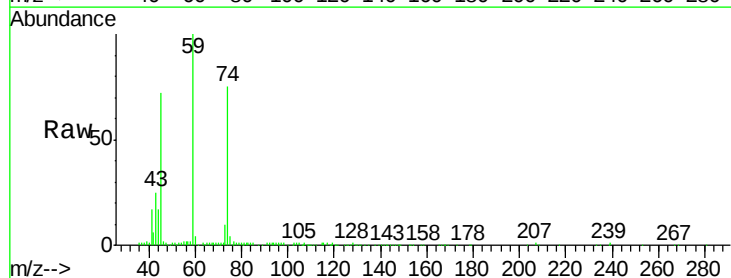
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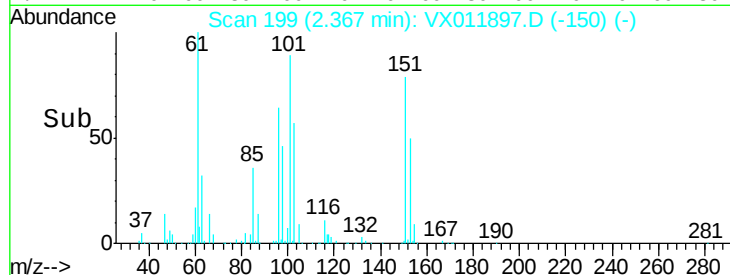
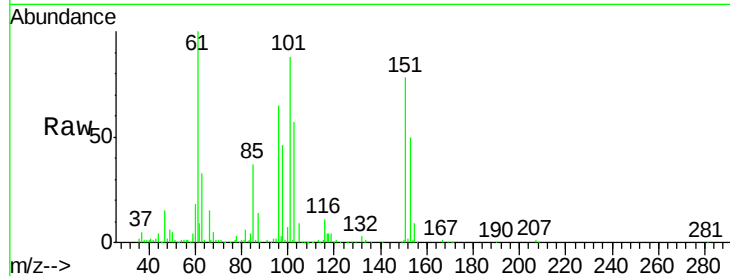
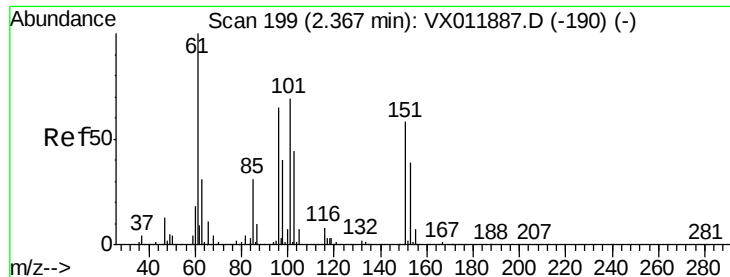


#8

Diethyl Ether
Concen: 19.860 ug/l
RT: 2.17 min Scan# 167
Delta R.T. -0.01 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	26539		
45	91.9	46.7	140.1	





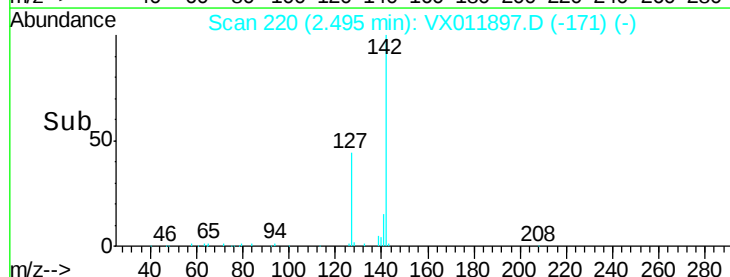
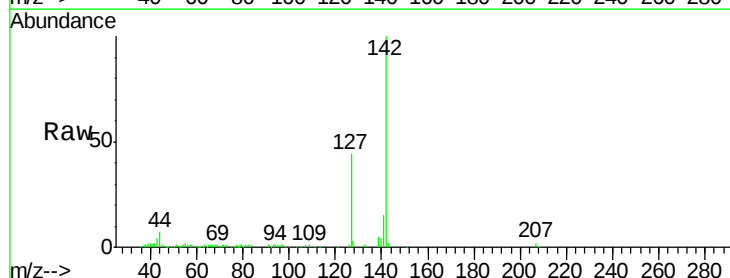
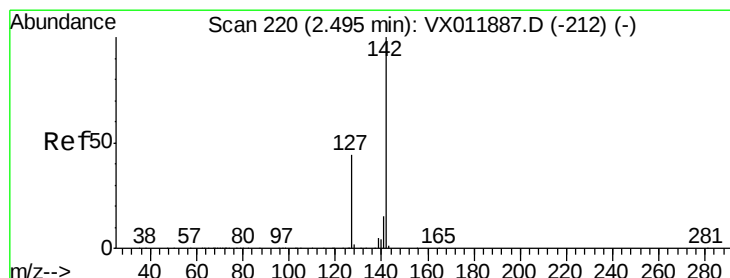
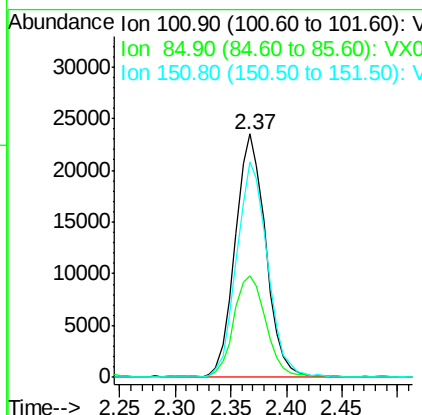
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.680 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	44806		
85	43.2		34.9	52.3
151	89.9		70.9	106.3

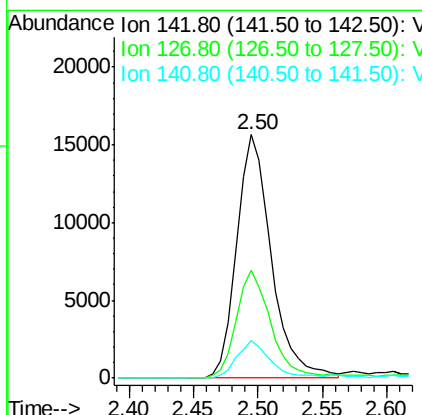
Manual Integrations
APPROVED

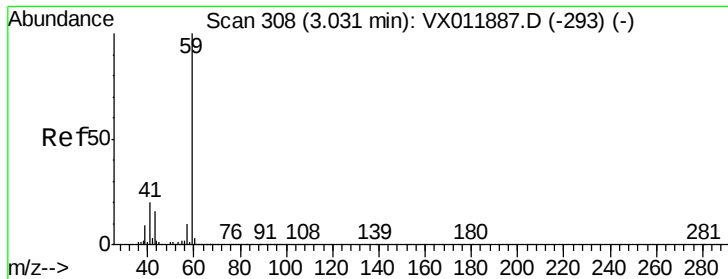
MMDadoda
9/3/2019 2:39:24 AM



#10
Methyl Iodide
Concen: 13.478 ug/l
RT: 2.50 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	29273		
127	44.9		35.7	53.5
141	14.9		11.8	17.6





#11

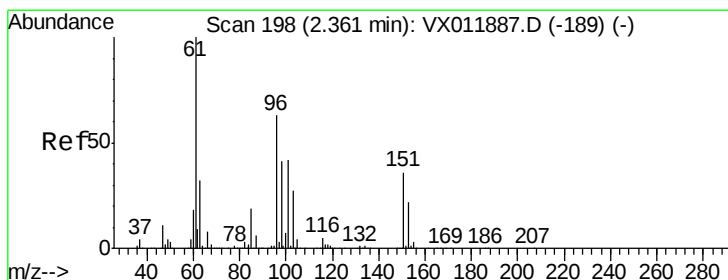
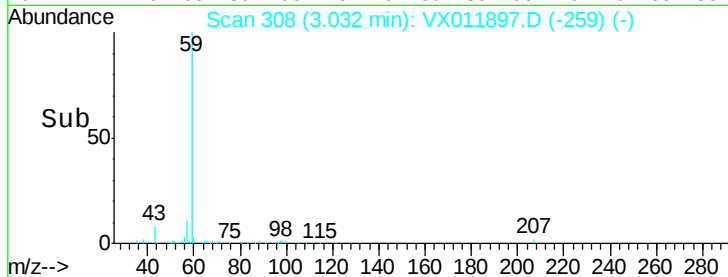
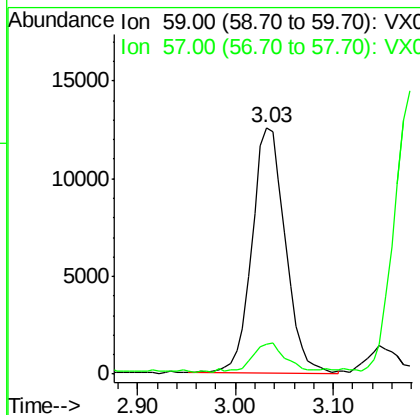
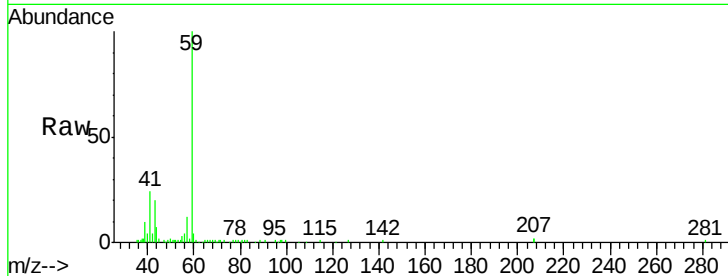
Tert butyl alcohol
Concen: 96.258 ug/l
RT: 3.03 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	59	Resp	29734
Ion Ratio	100	Lower	Upper
57	10.6	8.6	12.8

Manual Integrations
APPROVED

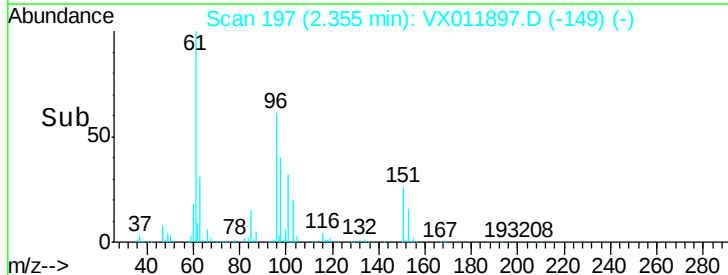
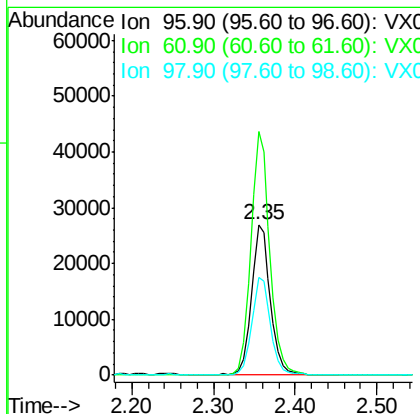
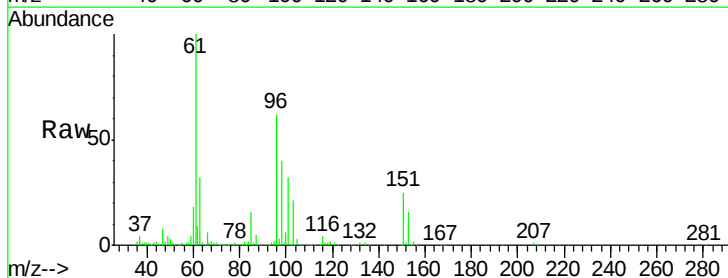
MMDadoda
9/3/2019 2:39:24 AM

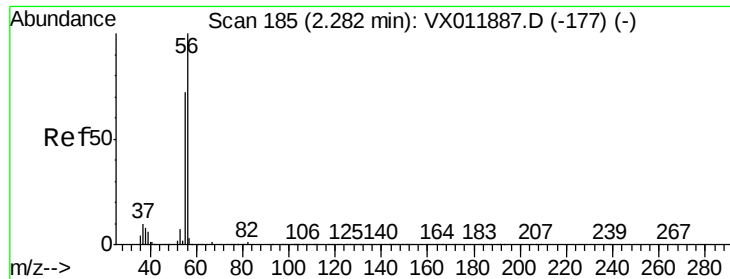


#12

1,1-Dichloroethene
Concen: 18.335 ug/l
RT: 2.35 min Scan# 197
Delta R.T. -0.01 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	96	Resp	43155
Ion Ratio	100	Lower	Upper
61	162.0	126.6	190.0
98	64.6	51.6	77.4





#13

Acrolein

Concen: 105.805 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

Tot Ion: 56 Resp: 16267

Ion Ratio Lower Upper

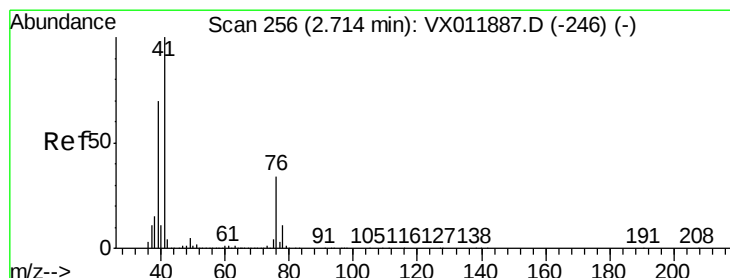
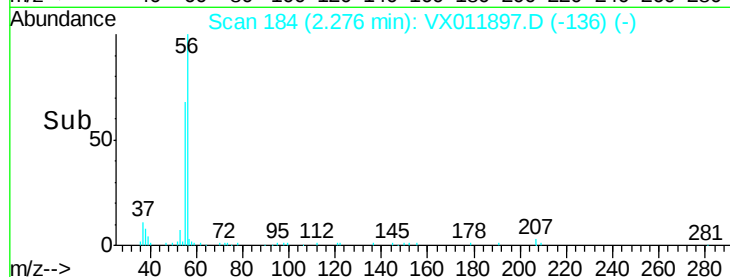
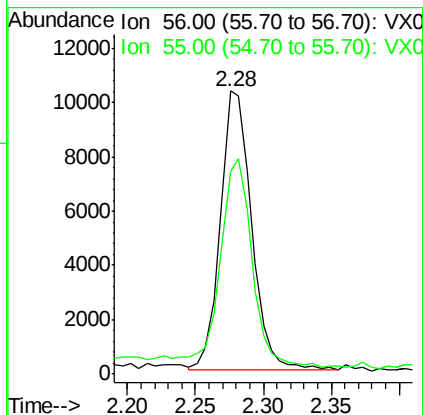
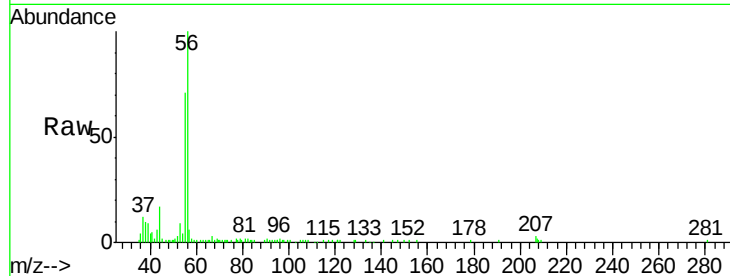
56 100

55 75.7 58.6 88.0

Manual Integrations
APPROVED

MMDadoda

9/3/2019 2:39:24 AM



#14

Allyl chloride

Concen: 19.201 ug/l

RT: 2.71 min Scan# 256

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

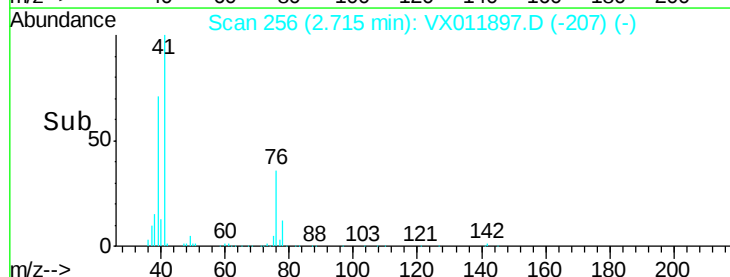
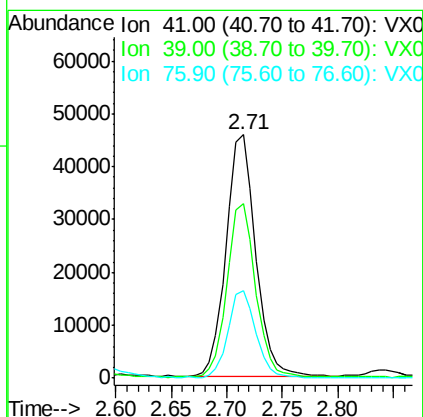
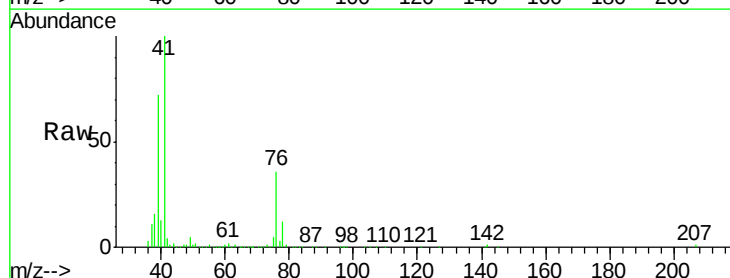
Tgt Ion: 41 Resp: 84778

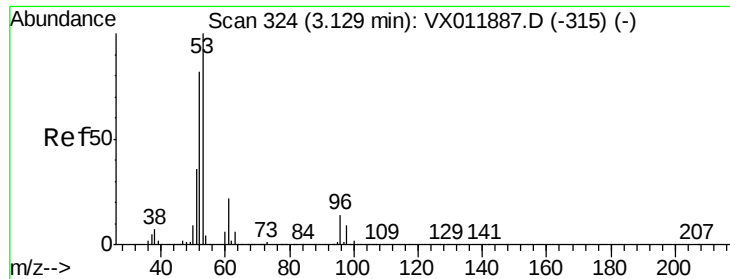
Ion Ratio Lower Upper

41 100

39 69.2 55.0 82.6

76 34.0 27.0 40.4





#15

Acrylonitrile

Concen: 99.754 ug/l

RT: 3.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

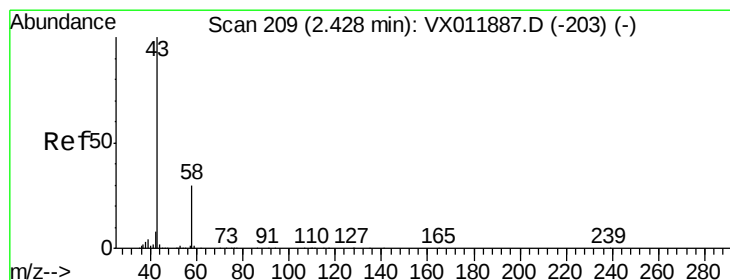
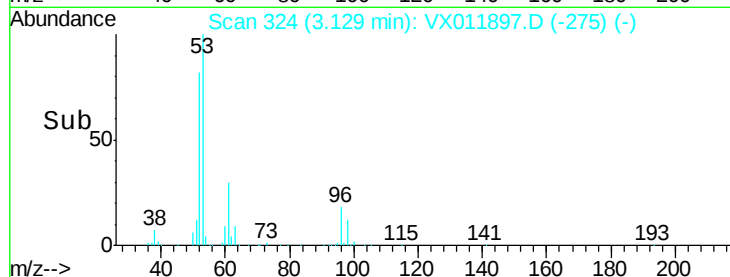
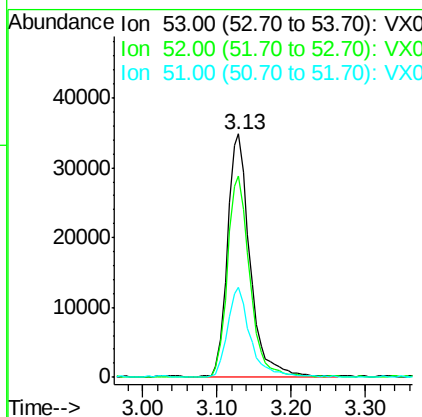
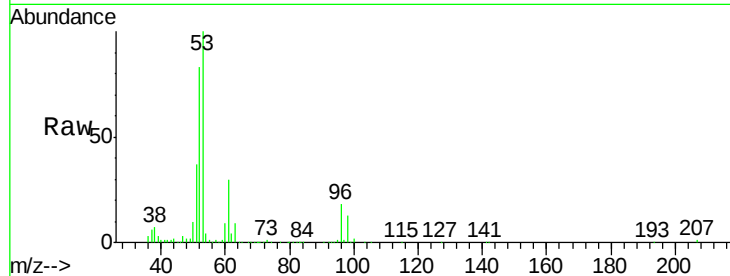
ClientSampleId :

VX0829SBS01

Tot Ion:	53	Resp:	73221
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.3	97.9
51	36.9	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 88.987 ug/l

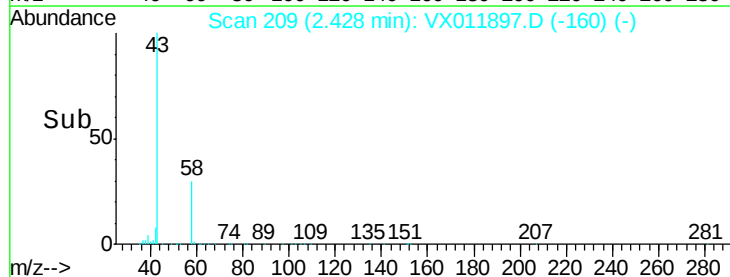
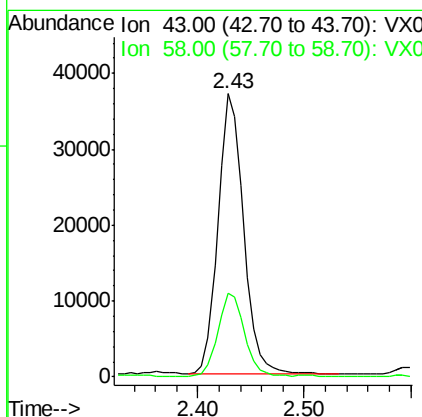
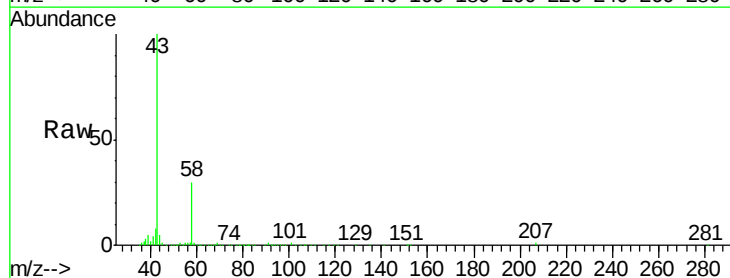
RT: 2.43 min Scan# 209

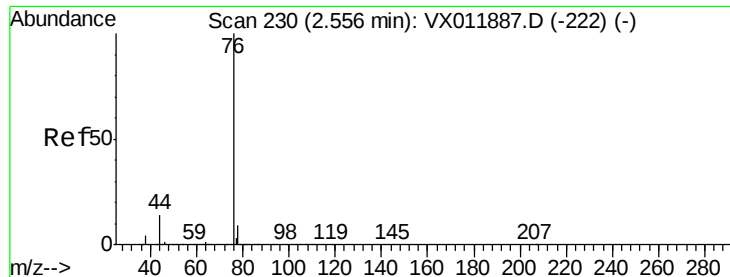
Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Tgt Ion:	43	Resp:	61474
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.8	35.8





#17

Carbon Disulfide

Concen: 17.812 ug/l

RT: 2.56 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

Tot Ion: 76 Resp: 120254

Ion Ratio Lower Upper

76 100

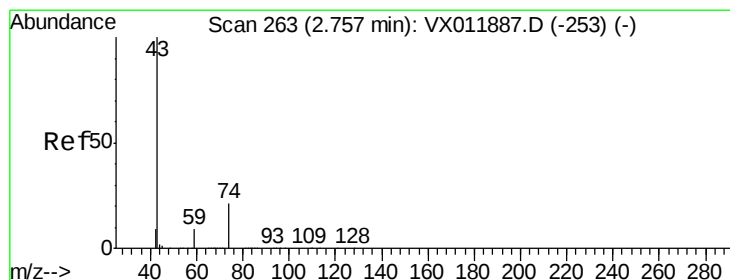
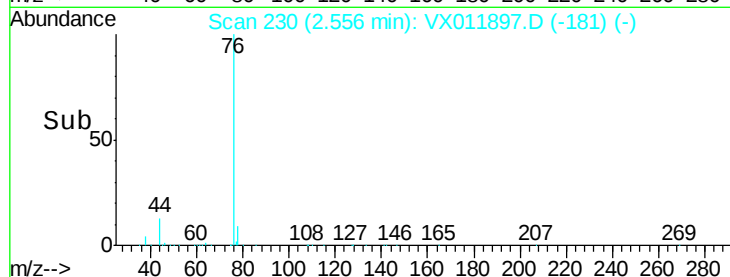
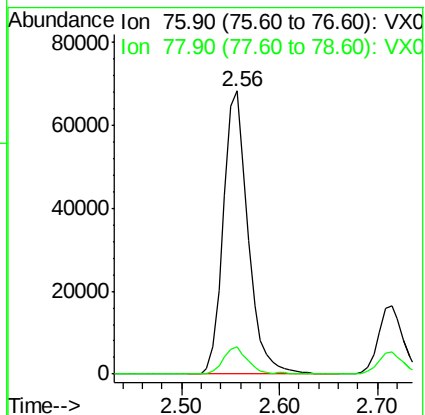
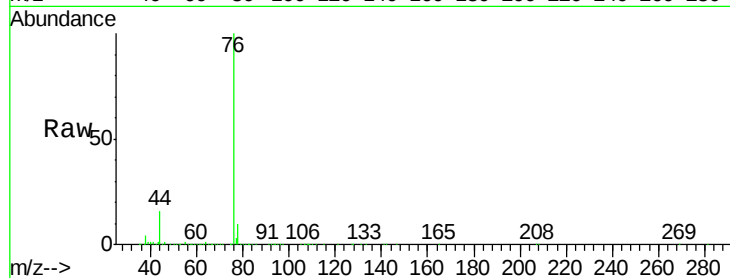
78 9.5 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

9/3/2019 2:39:24 AM



#18

Methyl Acetate

Concen: 23.017 ug/l

RT: 2.76 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX011897.D

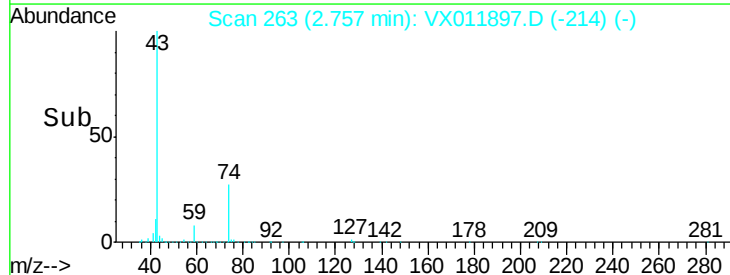
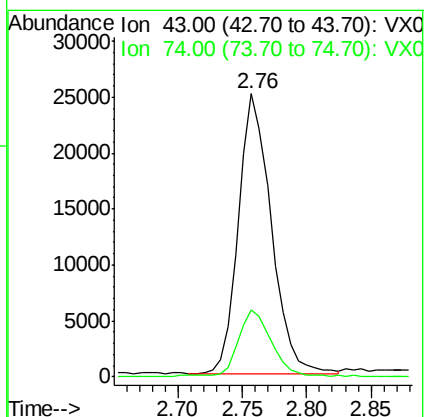
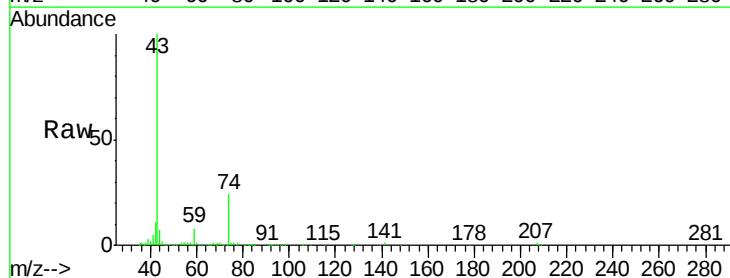
Acq: 30 Aug 2019 04:01

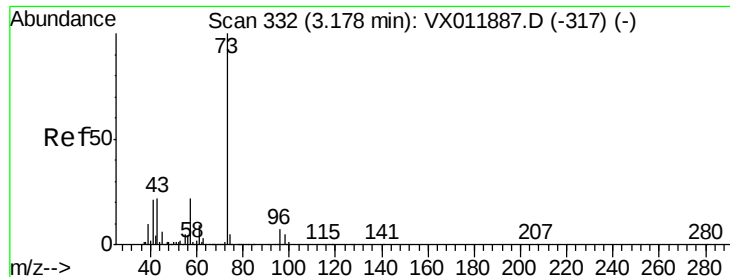
Tgt Ion: 43 Resp: 44016

Ion Ratio Lower Upper

43 100

74 24.8 18.4 27.6





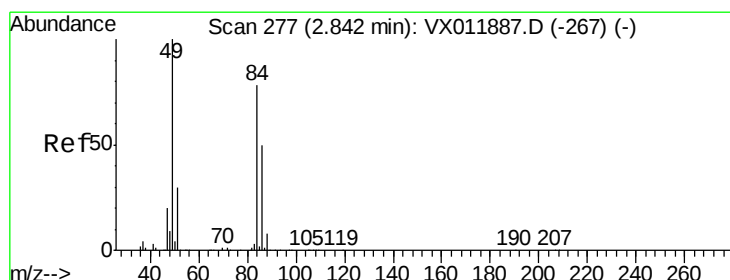
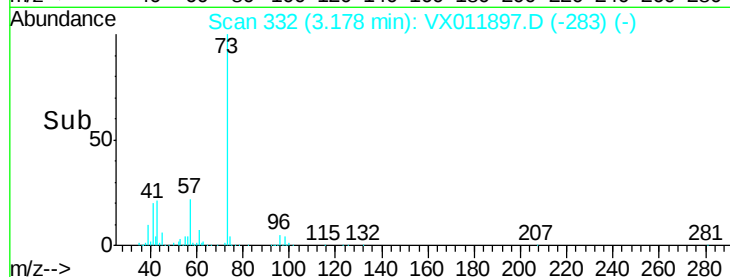
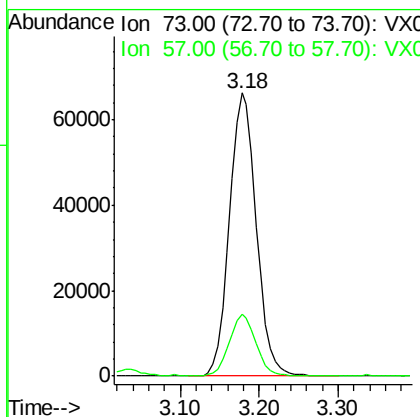
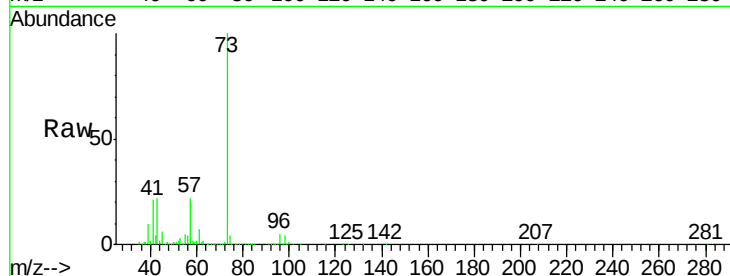
#19
Methvl tert-butvl Ether
Concen: 20.555 ug/l
RT: 3.18 min Scan# 332
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0

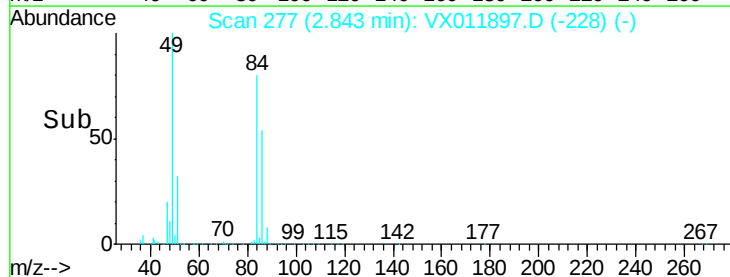
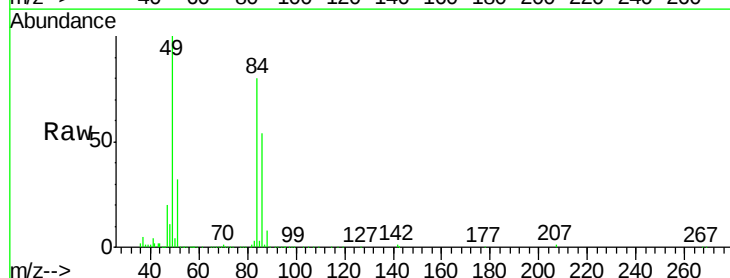
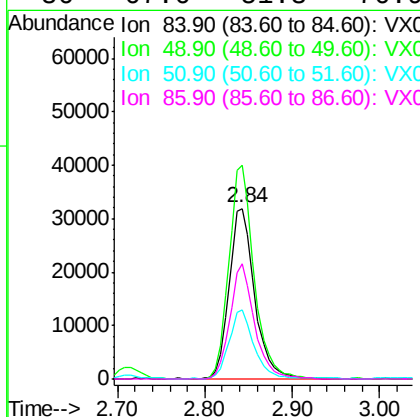
Manual Integrations
APPROVED

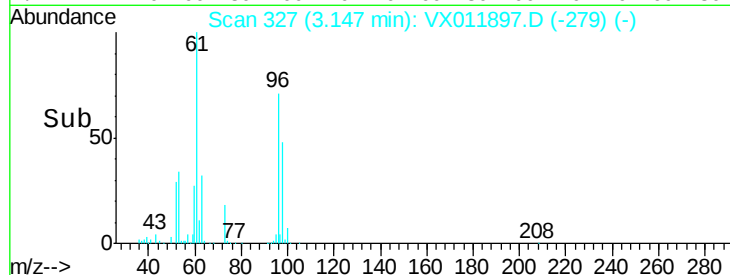
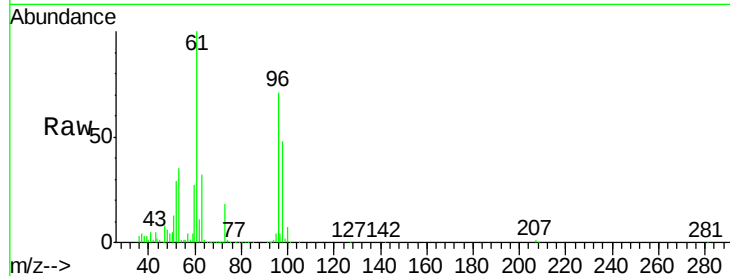
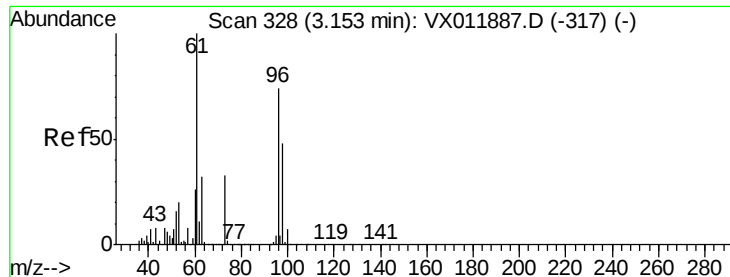
MMDadoda
9/3/2019 2:39:24 AM



#20
Methylene Chloride
Concen: 19.035 ug/l
RT: 2.84 min Scan# 277
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	103.0	154.4
51	40.3	30.8	46.2
86	67.6	51.3	76.9





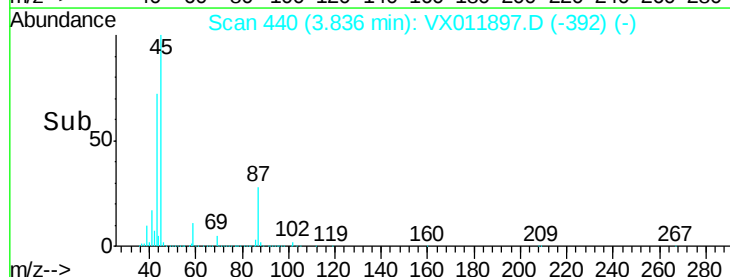
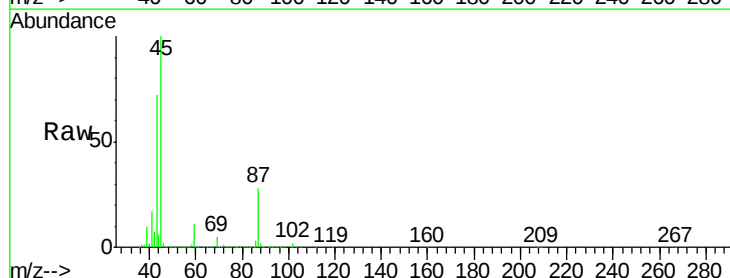
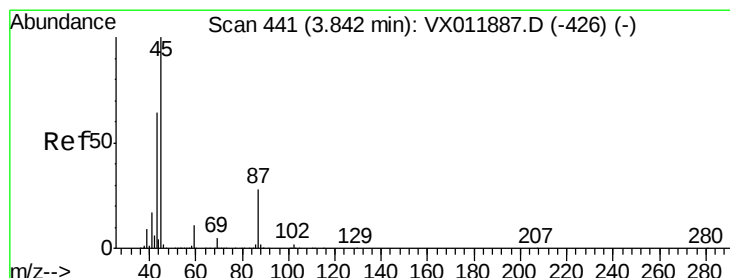
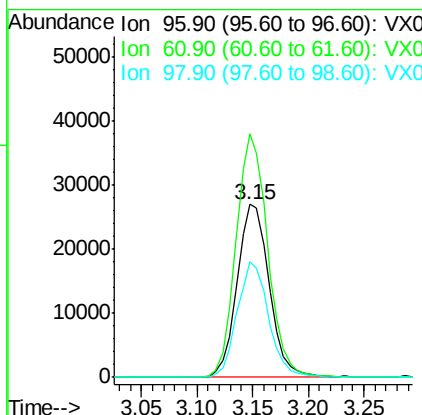
#21
trans-1,2-Dichloroethene
Concen: 19.385 ug/l
RT: 3.15 min Scan# 327
Delta R.T. -0.01 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.1	107.4	161.2
98	67.0	51.4	77.2

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

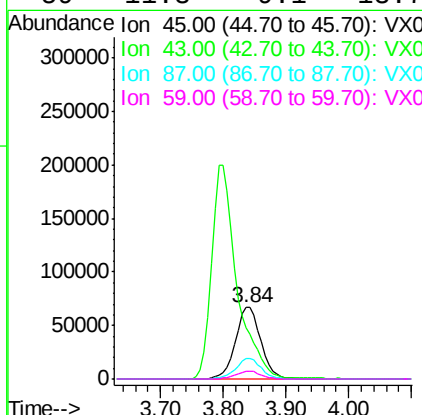
Manual Integrations
APPROVED

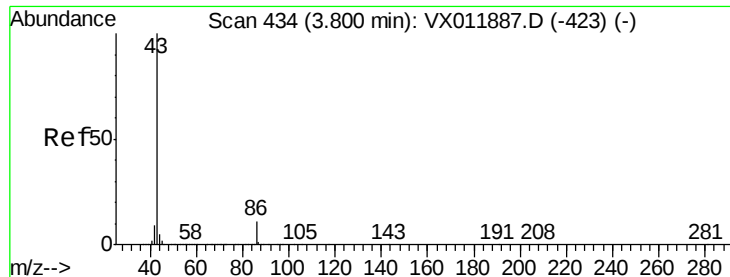
MMDadoda
9/3/2019 2:39:24 AM



#22
Diisopropyl ether
Concen: 20.628 ug/l
RT: 3.84 min Scan# 440
Delta R.T. -0.01 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	72.1	51.0	76.6
87	28.2	22.0	33.0
59	11.3	9.1	13.7





#23

Vinyl Acetate

Concen: 95.828 ug/l

RT: 3.80 min Scan# 434

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

Tot Ion: 43 Resp: 555326

Ion Ratio Lower Upper

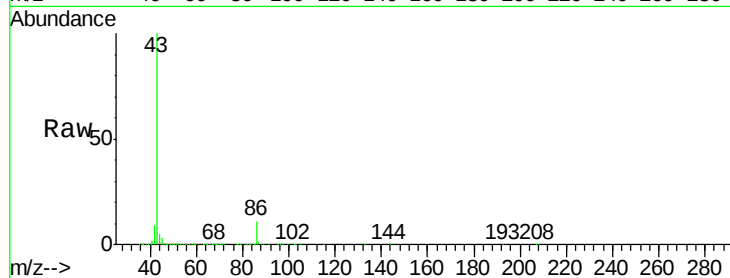
43 100

86 11.0 8.6 12.8

Manual Integrations
APPROVED

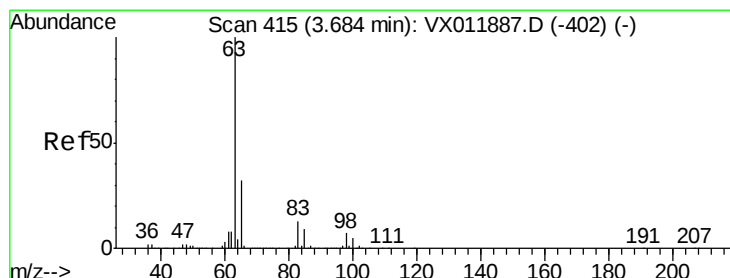
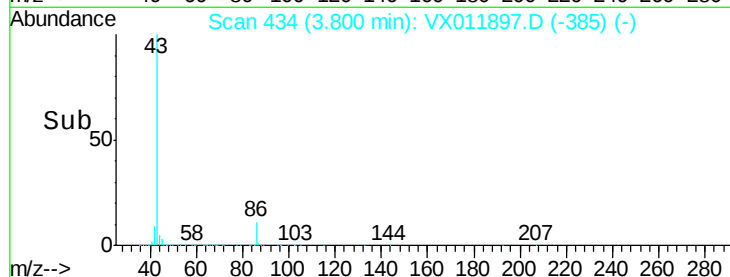
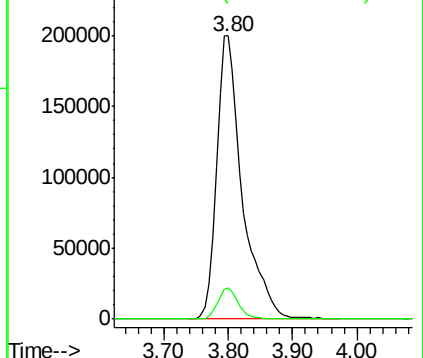
MMDadoda

9/3/2019 2:39:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.954 ug/l

RT: 3.68 min Scan# 414

Delta R.T. -0.01 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

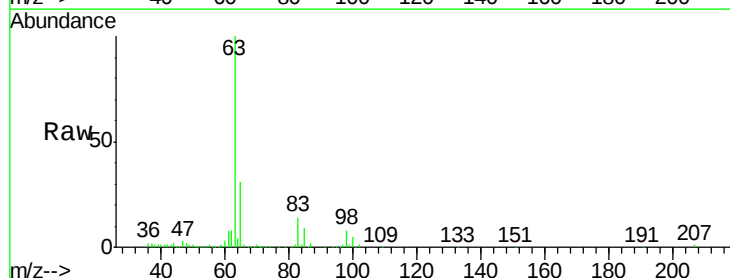
Tgt Ion: 63 Resp: 99179

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

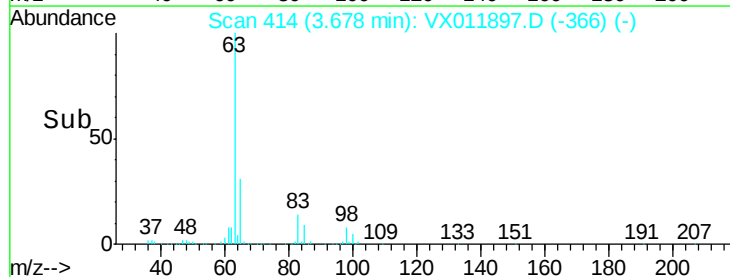
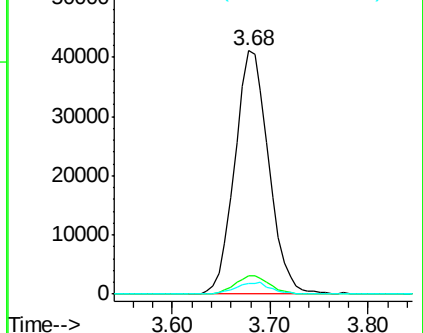
100 4.6 2.4 7.2

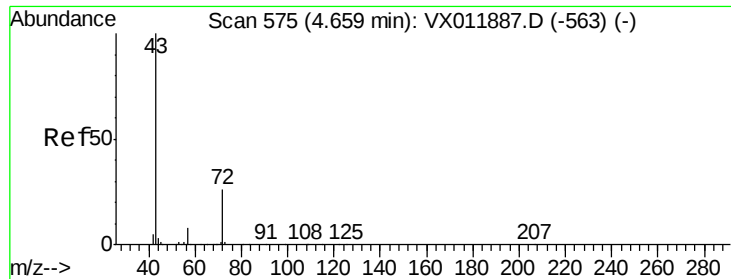


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.368 ug/l

RT: 4.66 min Scan# 575

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Tot Ion: 43 Resp: 96961

Ion Ratio Lower Upper

43 100

72 24.5 21.0 31.4

Instrument :

MSVOA_X

ClientSampleId :

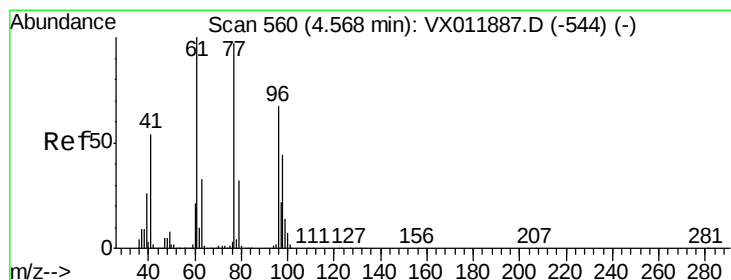
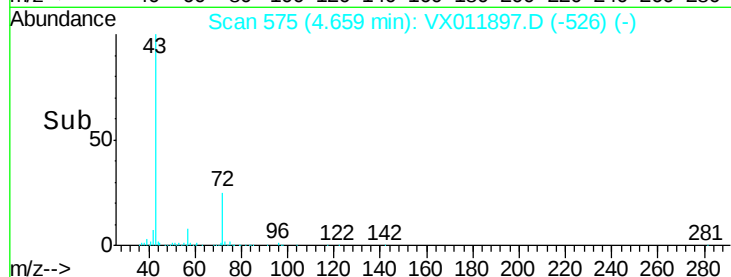
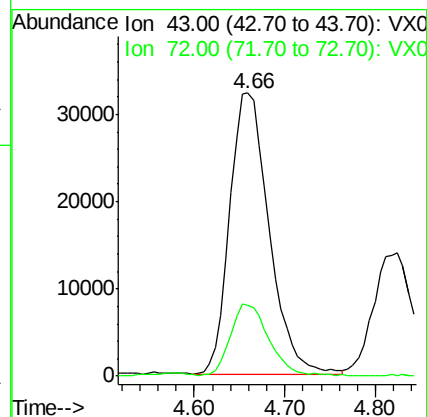
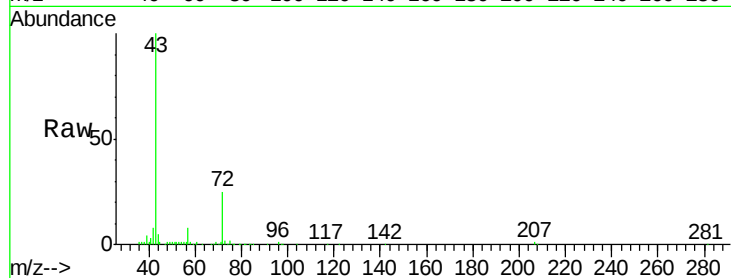
VX0829SBS01

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#26

2,2-Dichloropropane

Concen: 17.575 ug/l

RT: 4.56 min Scan# 559

Delta R.T. -0.01 min

Lab File: VX011897.D

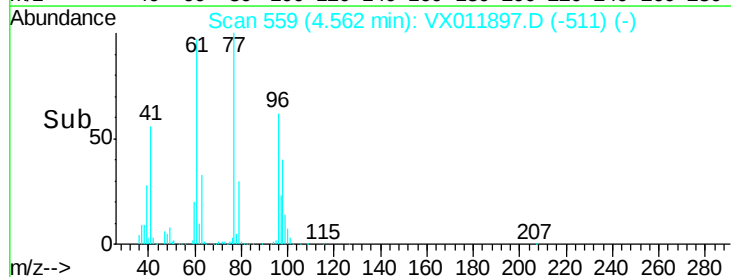
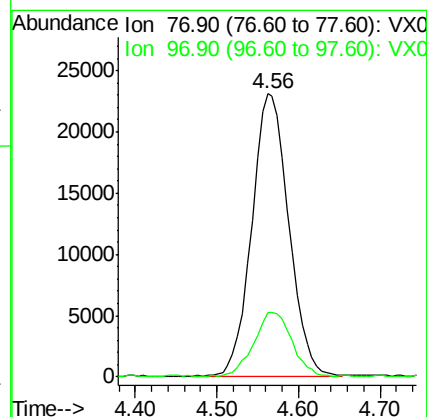
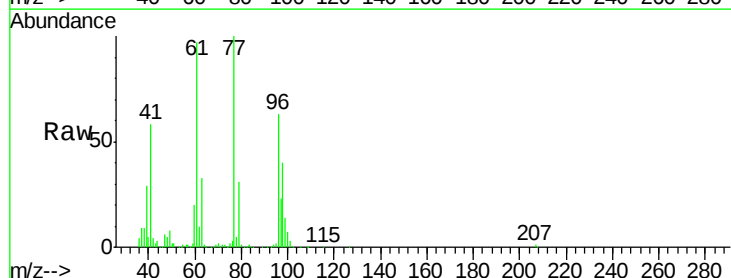
Acq: 30 Aug 2019 04:01

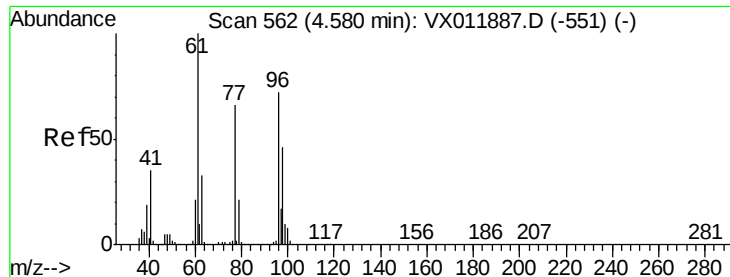
Tgt Ion: 77 Resp: 73269

Ion Ratio Lower Upper

77 100

97 23.7 11.7 35.1





#27

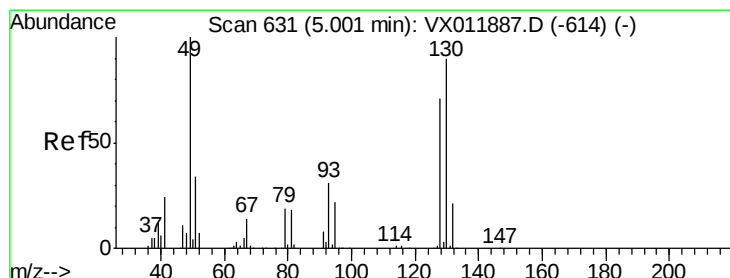
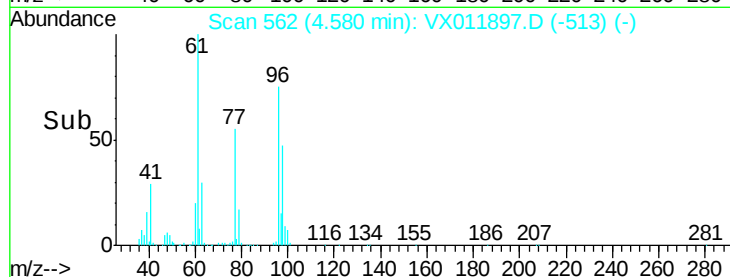
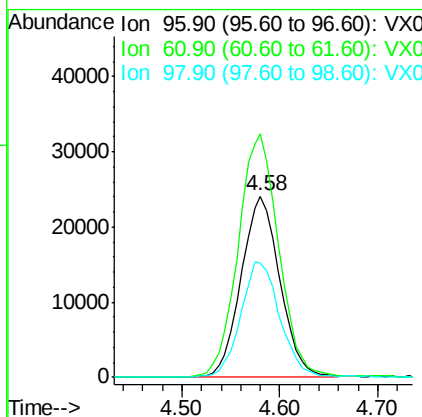
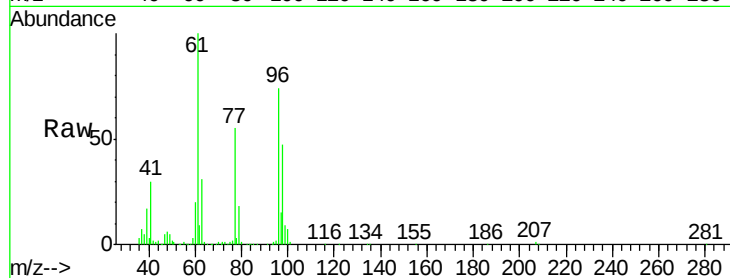
cis-1,2-Dichloroethene
Concen: 20.297 ug/l
RT: 4.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	283.8
98	64.6	0.0	131.2

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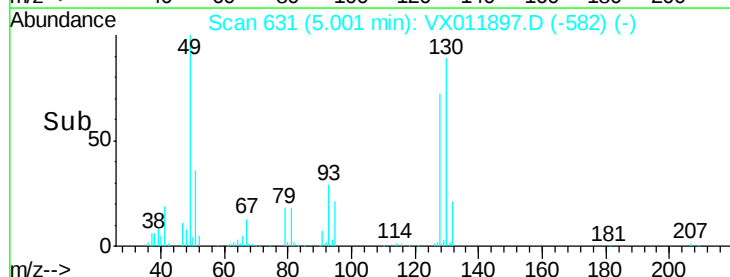
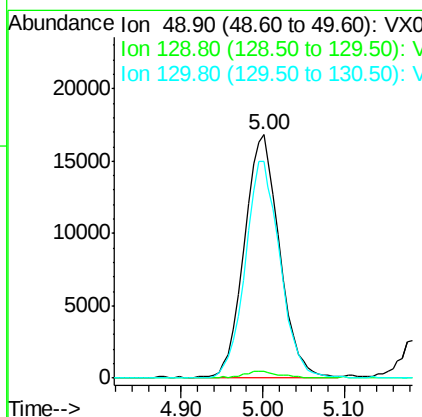
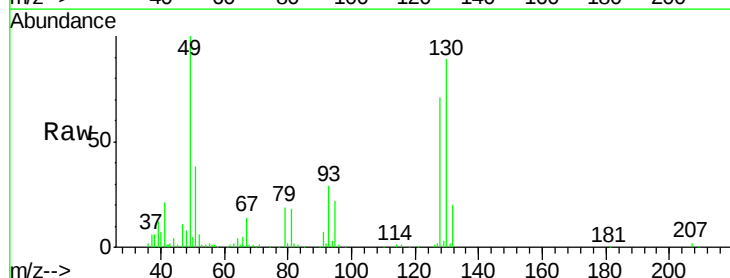
MMDadoda
9/3/2019 2:39:24 AM

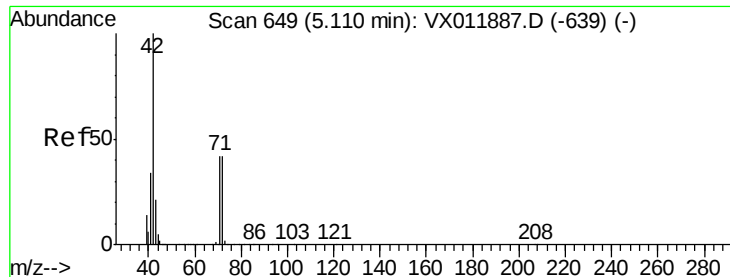


#28

Bromochloromethane
Concen: 22.479 ug/l
RT: 5.00 min Scan# 631
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	4.8
130	88.9	70.6	105.8





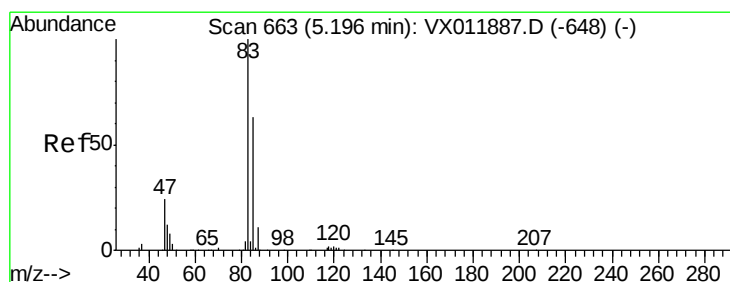
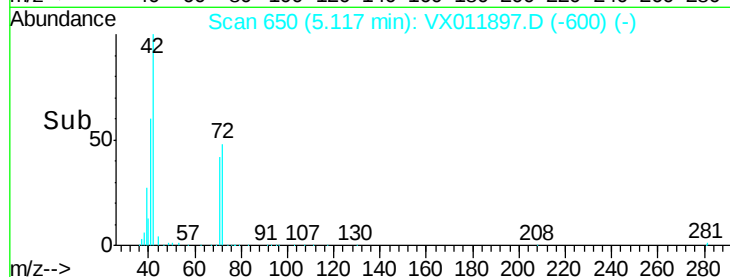
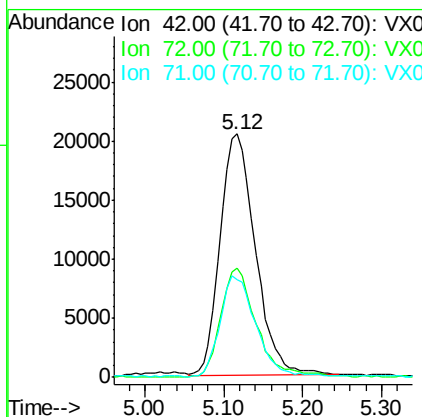
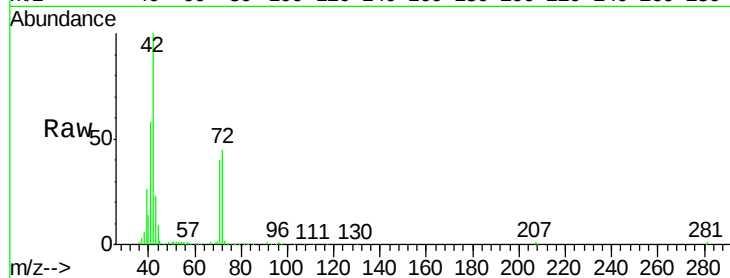
#29
Tetrahydrofuran
Concen: 101.785 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.01 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	36.2	54.4
71	41.9	33.1	49.7

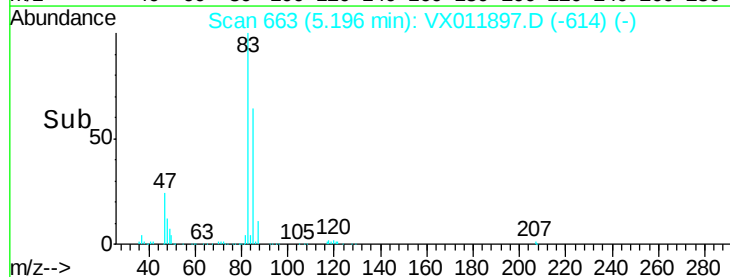
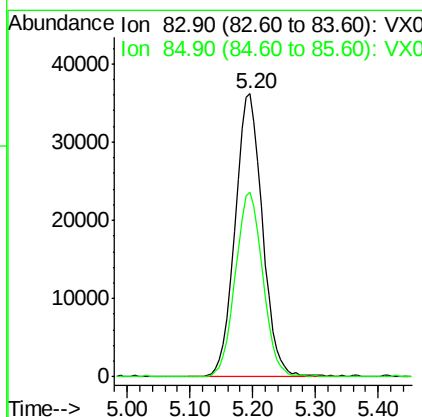
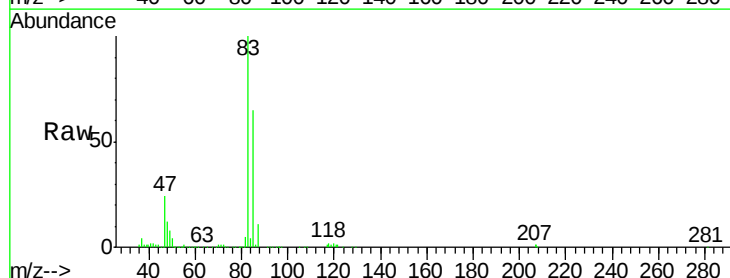
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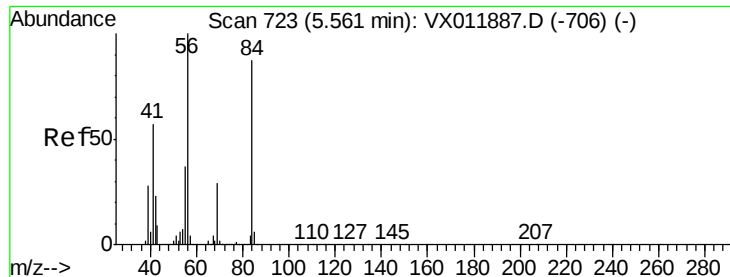
MMDadoda
9/3/2019 2:39:24 AM



#30
Chloroform
Concen: 20.619 ug/l
RT: 5.20 min Scan# 663
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	75.8





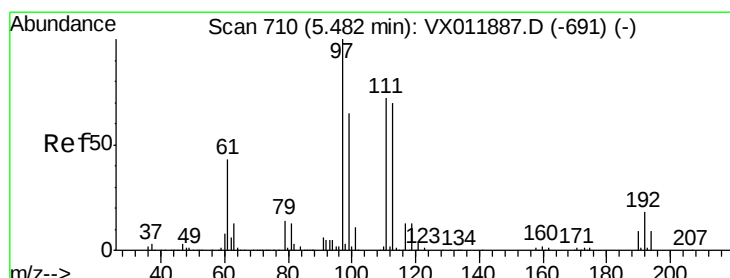
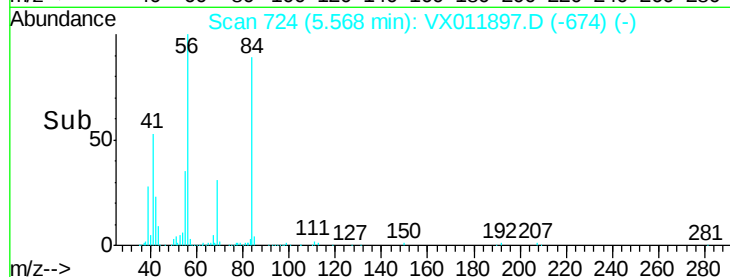
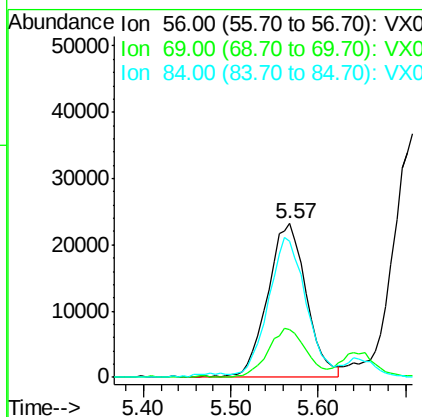
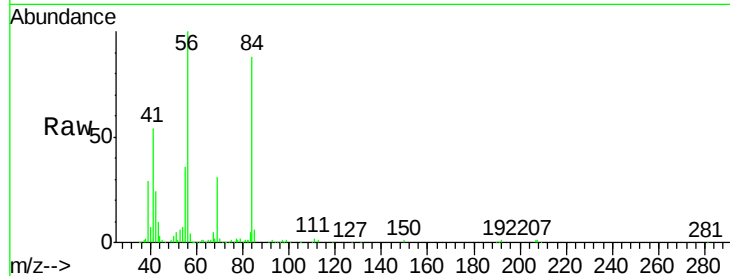
#31
Cvclohexane
Concen: 17.799 ug/l
RT: 5.57 min Scan# 724
Delta R.T. 0.01 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.1	34.7
84	88.5	69.6	104.4

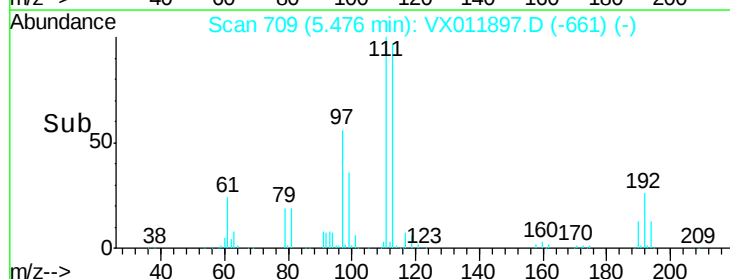
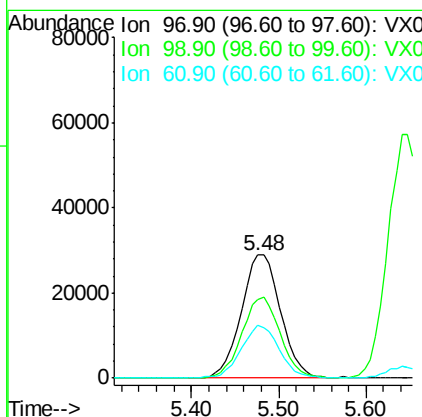
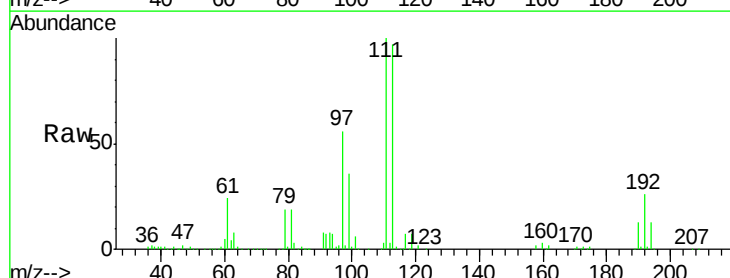
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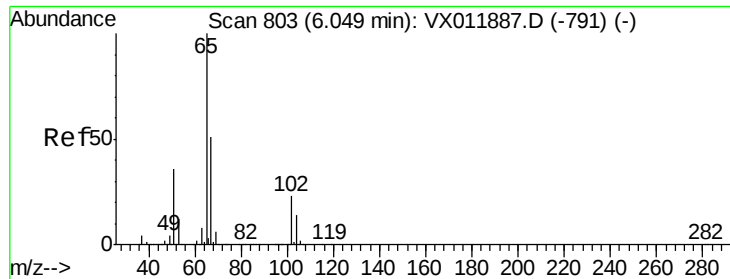
MMDadoda
9/3/2019 2:39:24 AM



#32
1,1,1-Trichloroethane
Concen: 19.129 ug/l
RT: 5.48 min Scan# 709
Delta R.T. -0.01 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	40.8	33.8	50.6





#33

1,2-Dichloroethane-d4

Concen: 51.388 ug/l

RT: 6.05 min Scan# 803

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Tot Ion: 65 Resp: 164996

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.2

Instrument :

MSVOA_X

ClientSampleId :

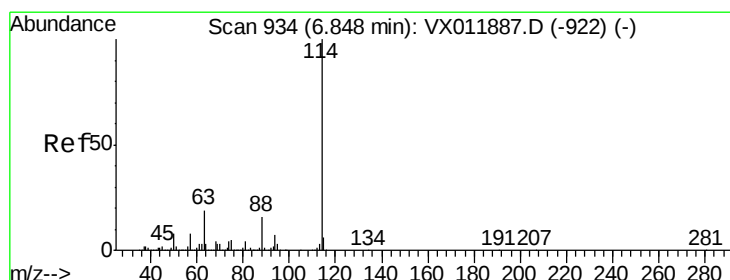
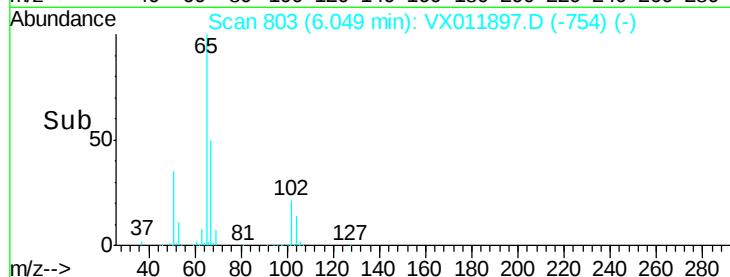
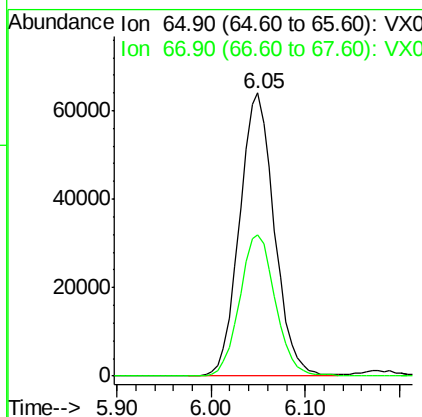
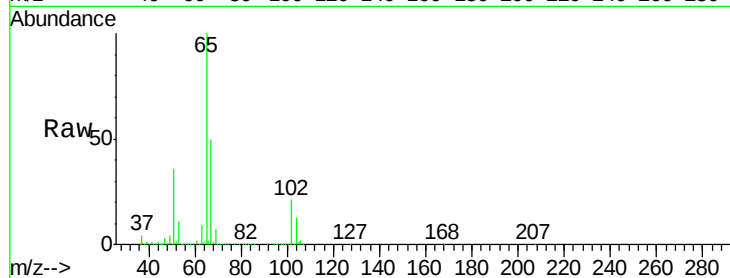
VX0829SBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 934

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

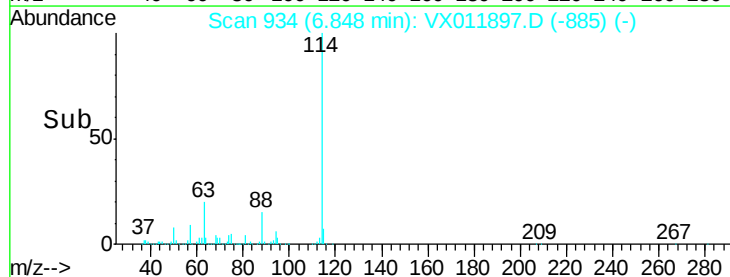
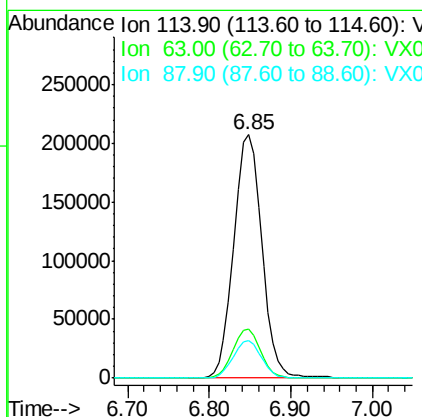
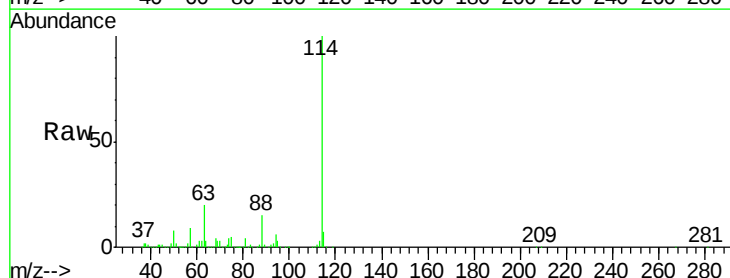
Tgt Ion: 114 Resp: 495817

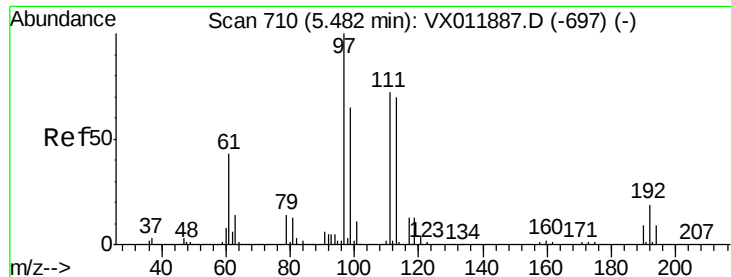
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

88 15.4 0.0 31.2





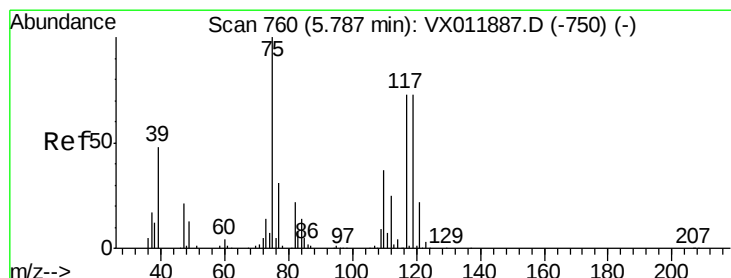
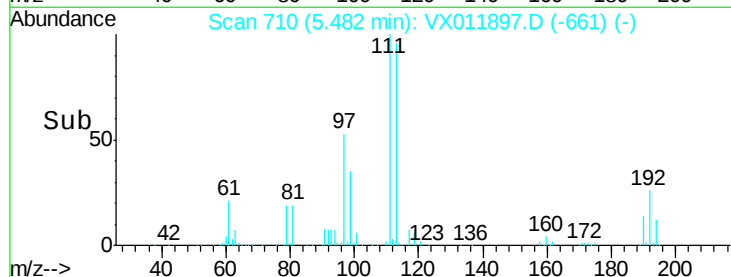
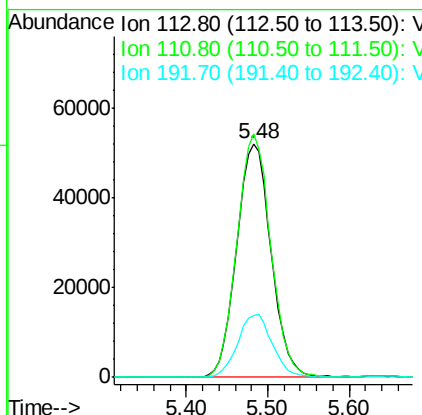
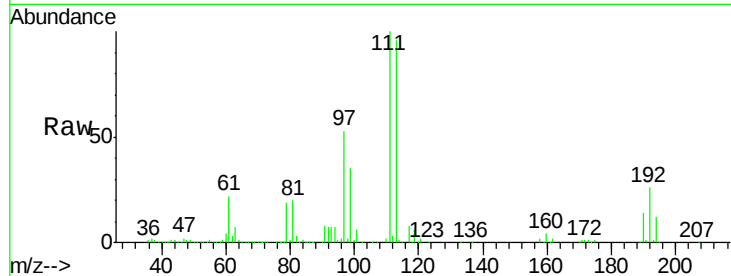
#35
 Dibromofluoromethane
 Concen: 47.973 ug/l
 RT: 5.48 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152525		
111	102.2	82.1	123.1	
192	27.2	21.5	32.3	

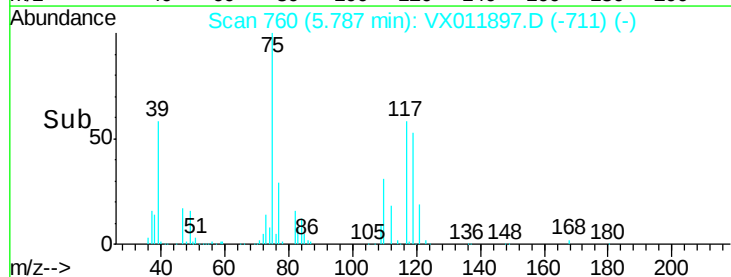
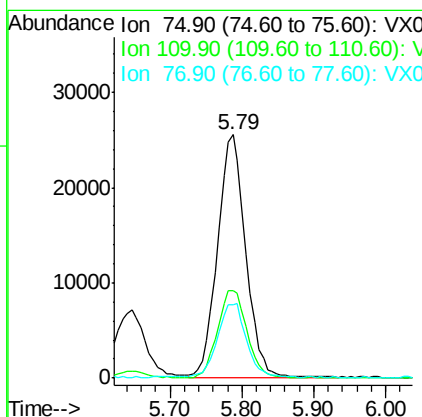
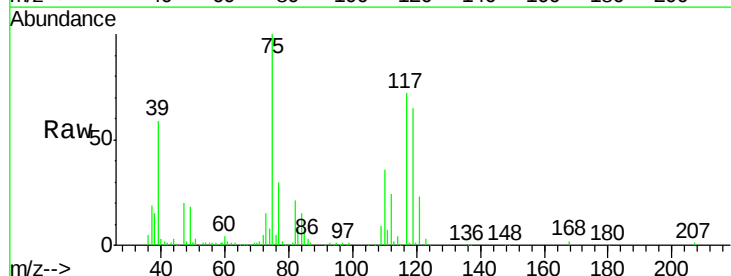
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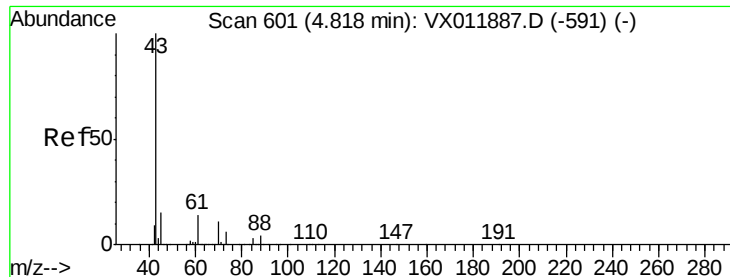
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#36
 1,1-Dichloropropene
 Concen: 17.623 ug/l
 RT: 5.79 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69223		
110	38.0	19.1	57.3	
77	30.6	24.4	36.6	





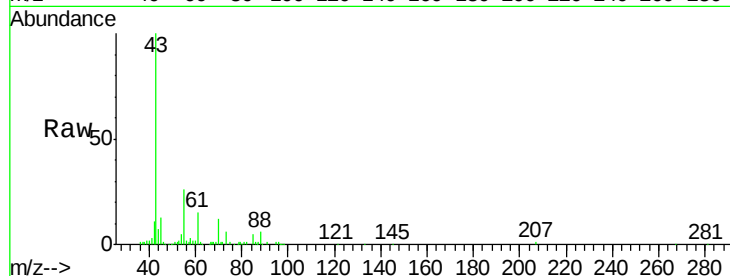
#37
Ethyl Acetate
Concen: 18.421 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.01 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.0	16.4
70	12.0	9.2	13.8

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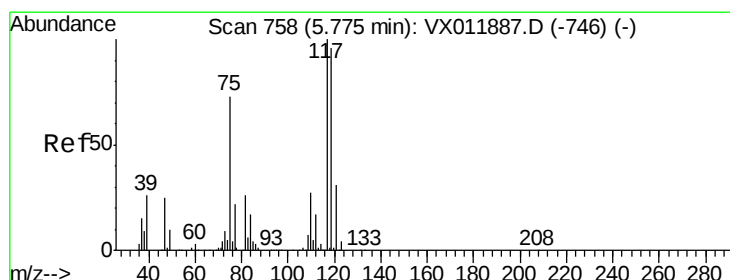
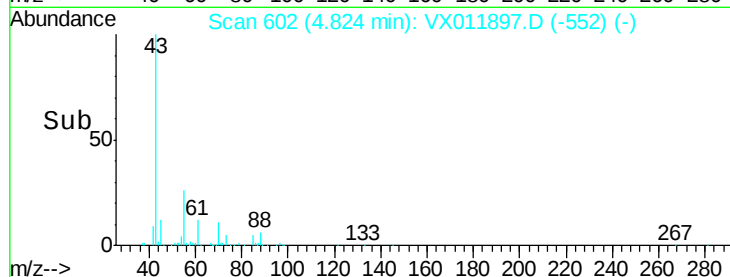
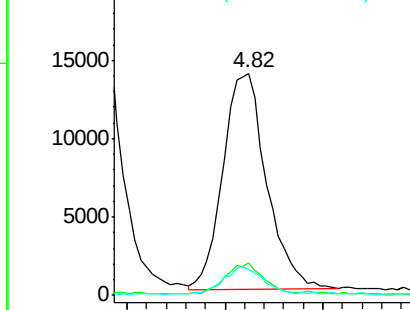


Abundance

Ion 43.00 (42.70 to 43.70): VX0

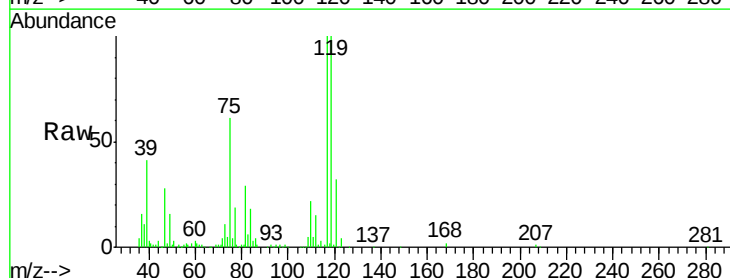
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 17.276 ug/l
RT: 5.77 min Scan# 757
Delta R.T. -0.01 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	76.6	114.8
121	32.0	24.7	37.1

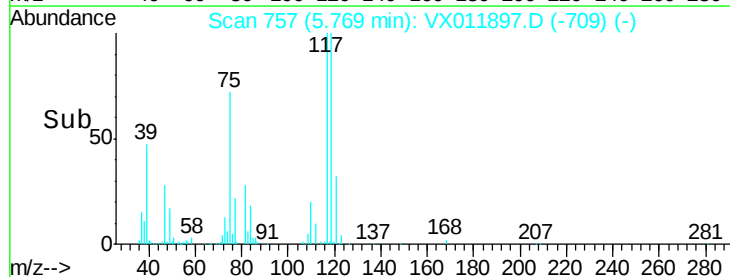
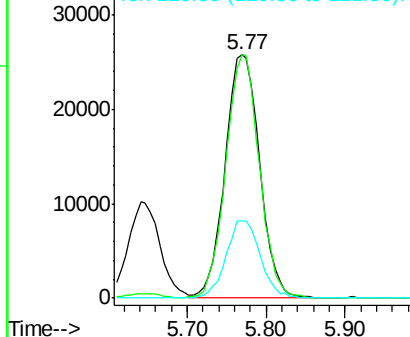


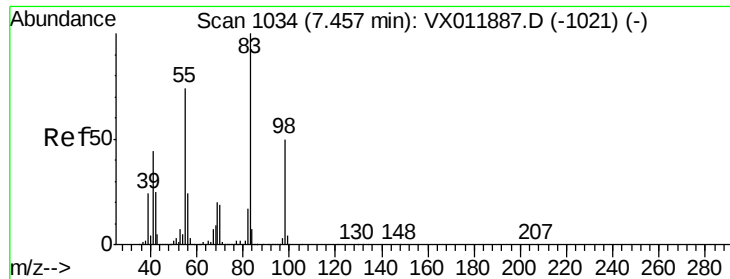
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





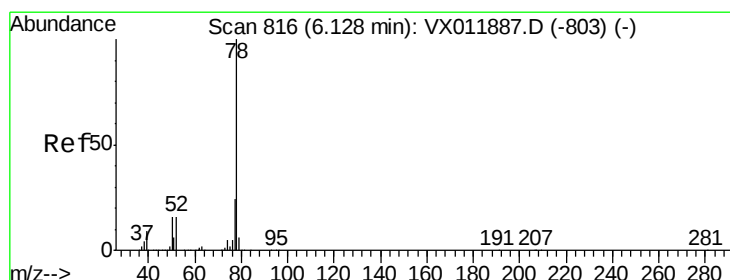
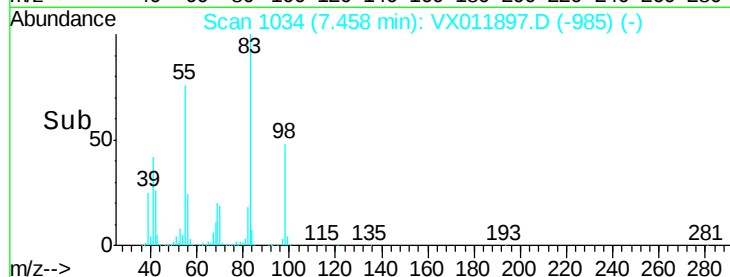
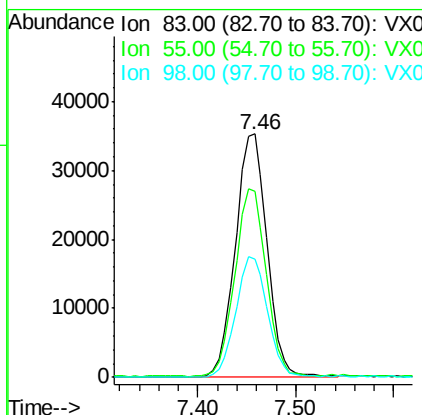
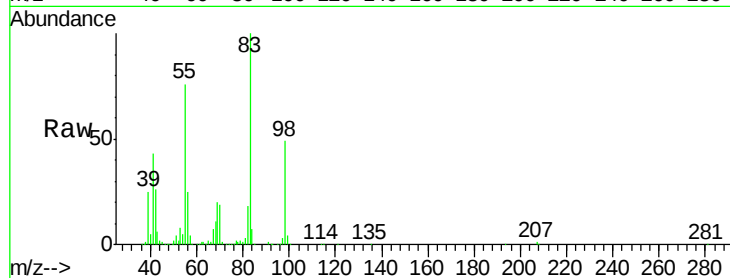
#39
Methvlcvclohexane
Concen: 16.907 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	59.4	89.0
98	48.7	40.3	60.5

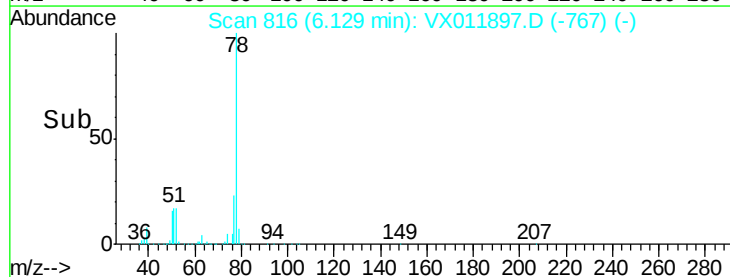
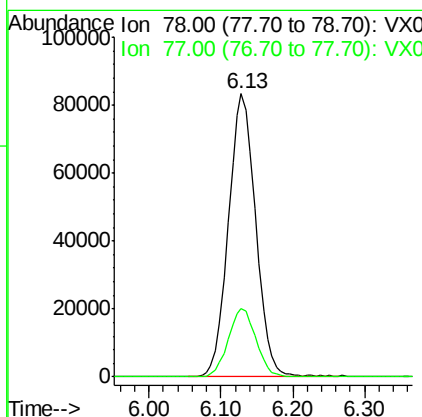
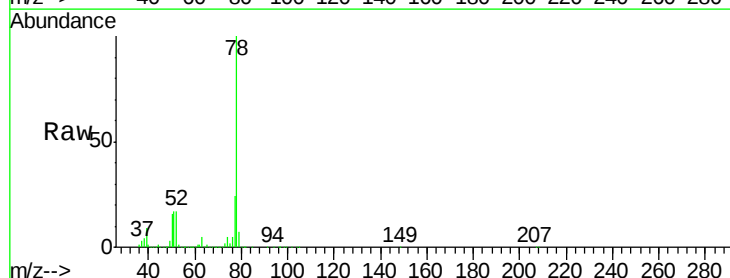
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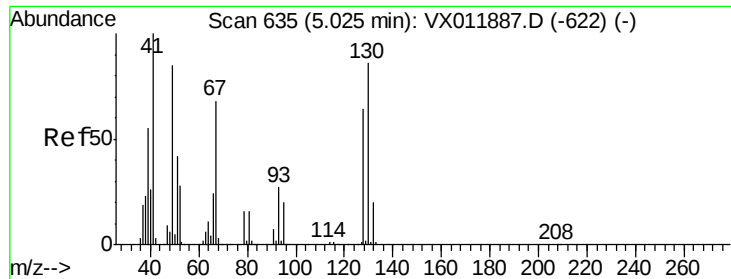
MMDadoda
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#40
Benzene
Concen: 18.791 ug/l
RT: 6.13 min Scan# 816
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





#41

Methacrylonitrile

Concen: 18.757 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

Tot Ion: 41 Resp: 25679

Ion Ratio Lower Upper

41 100

39 57.2 45.0 67.6

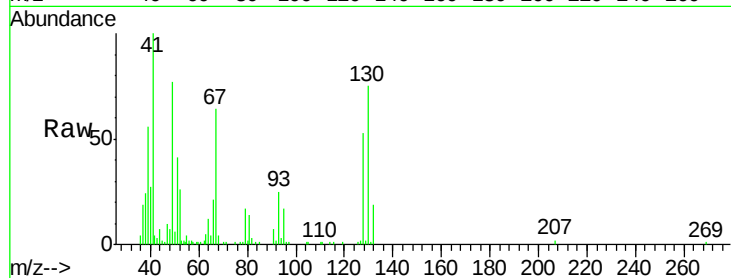
67 70.5 55.0 82.4

52 29.1 24.1 36.1

Manual Integrations
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MMDadoda

9/3/2019 2:39:24 AM

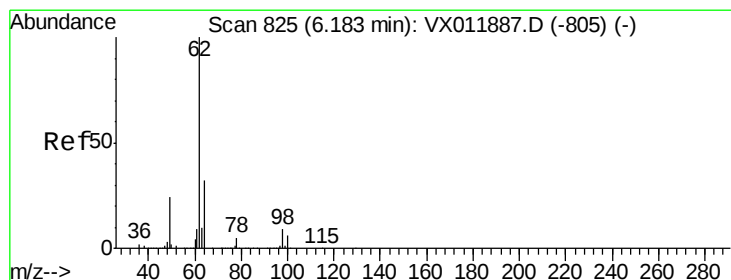
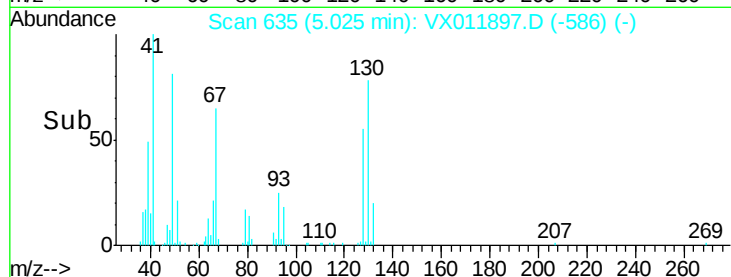
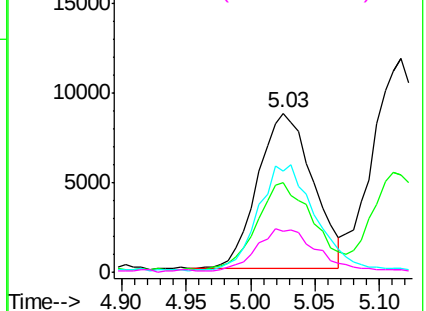


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.383 ug/l

RT: 6.18 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX011897.D

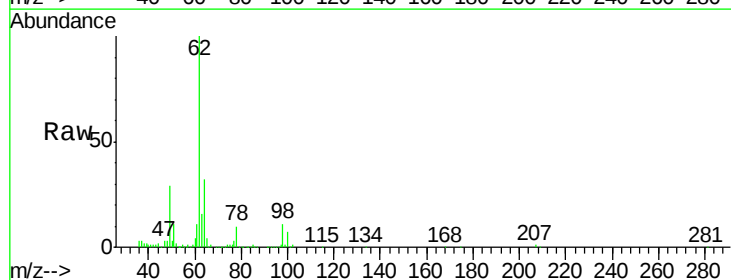
Acq: 30 Aug 2019 04:01

Tgt Ion: 62 Resp: 77288

Ion Ratio Lower Upper

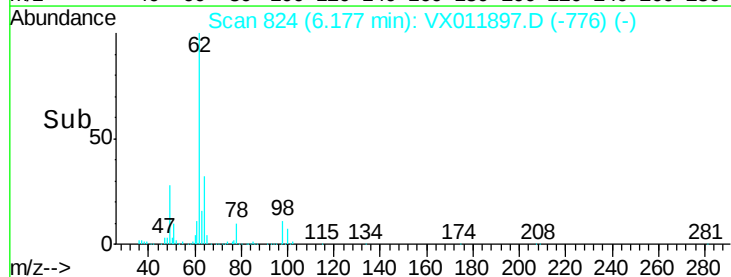
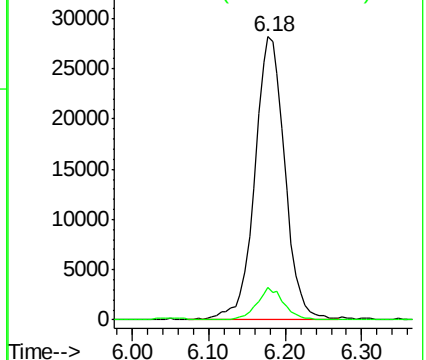
62 100

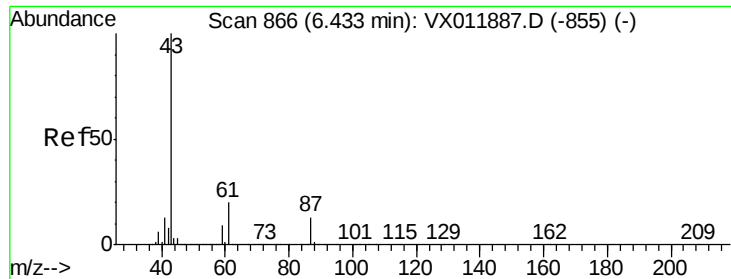
98 10.4 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

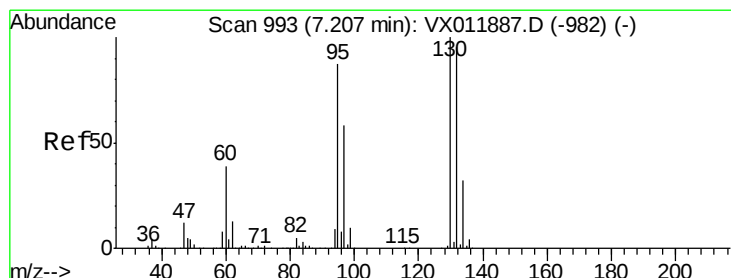
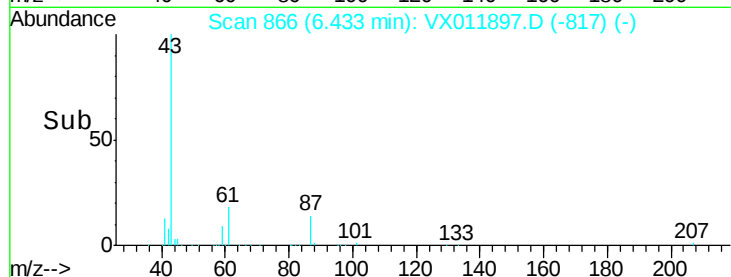
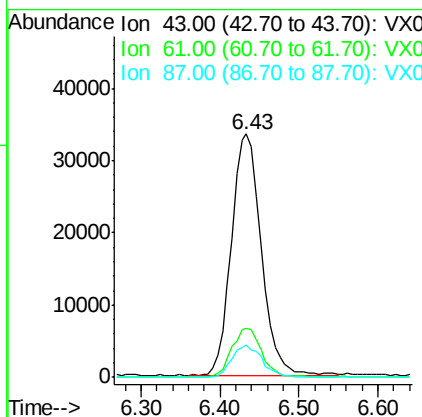
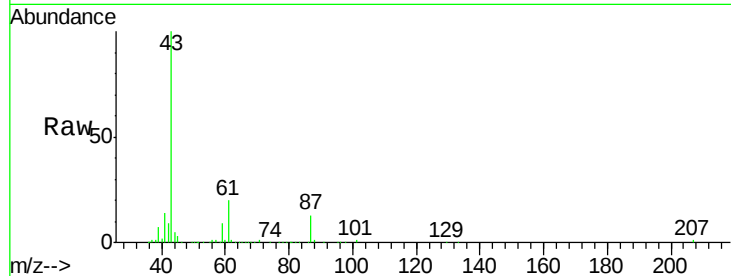
Isopropyl Acetate
 Concen: 18.672 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	16.1	24.1
87	13.5	10.6	16.0

Manual Integrations
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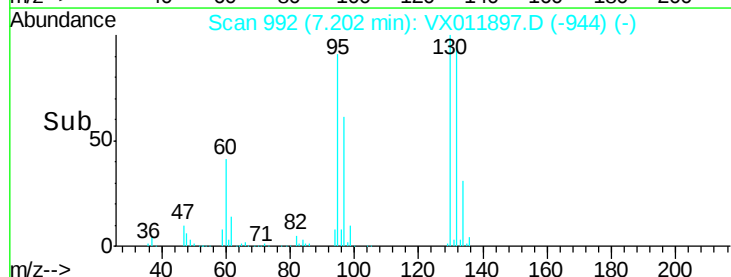
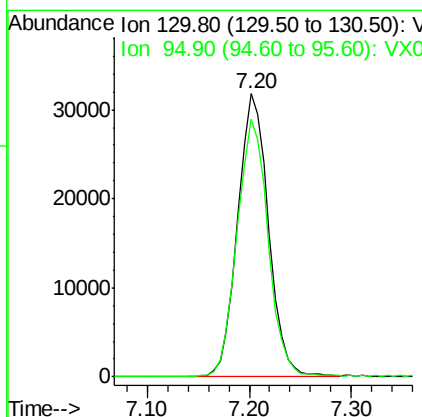
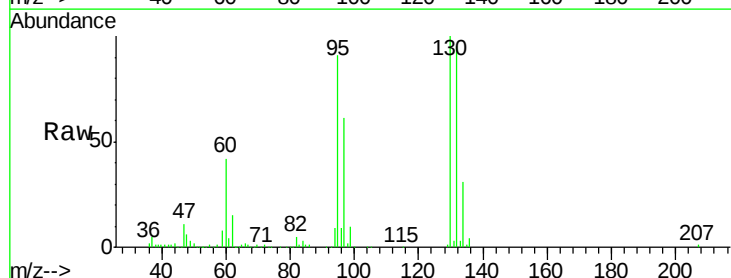
MMDadoda
 9/3/2019 2:39:24 AM

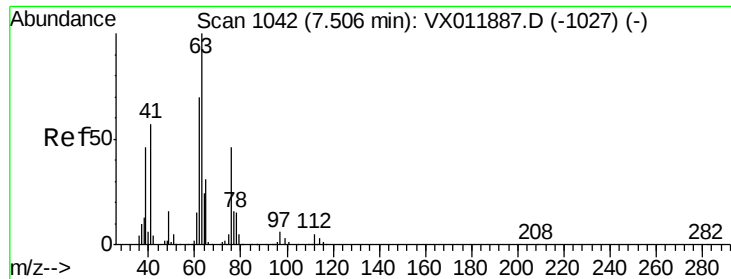


#44

Trichloroethene
 Concen: 18.404 ug/l
 RT: 7.20 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	174.6





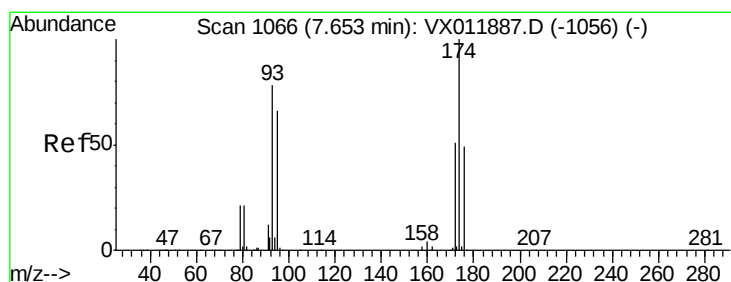
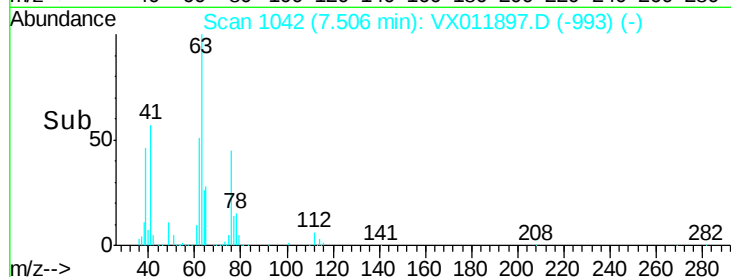
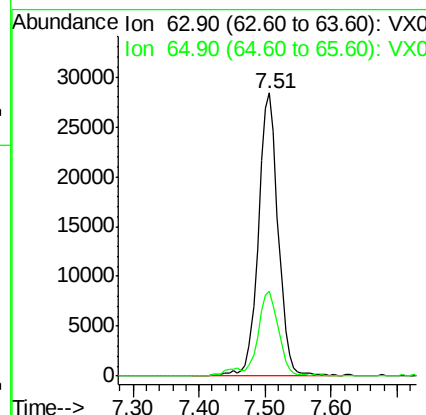
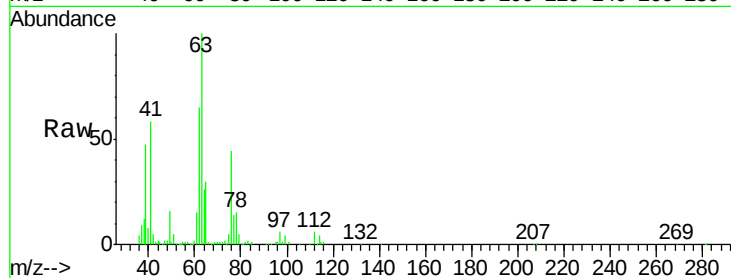
#45
 1,2-Dichloropropane
 Concen: 19.506 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	25.1	37.7

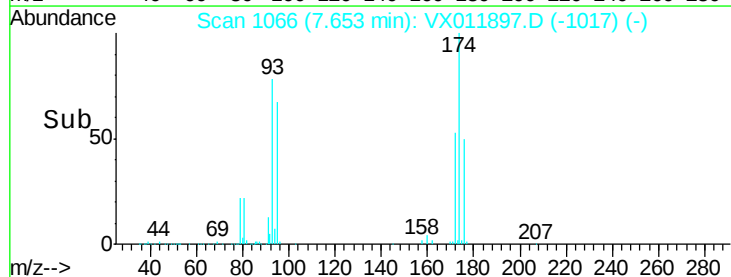
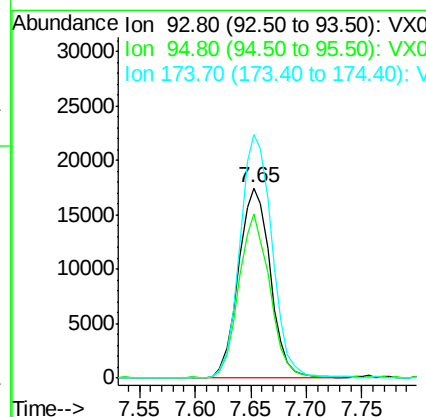
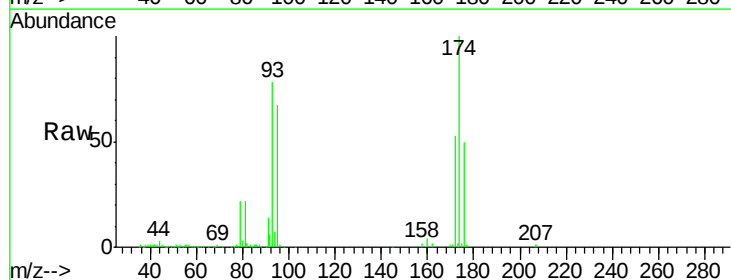
Manual Integrations
 APPROVED

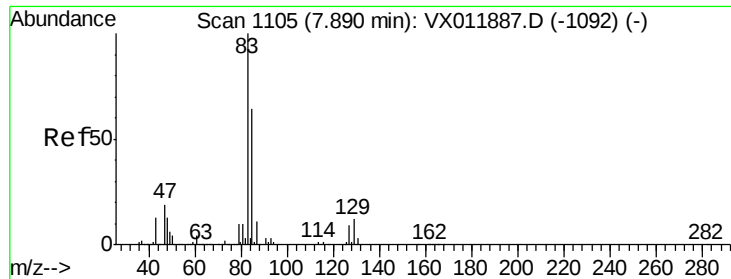
MMDadoda
 9/3/2019 2:39:24 AM



#46
 Dibromomethane
 Concen: 19.187 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.7	98.5
174	128.5	104.2	156.4





#47

Bromodichloromethane

Concen: 19.110 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

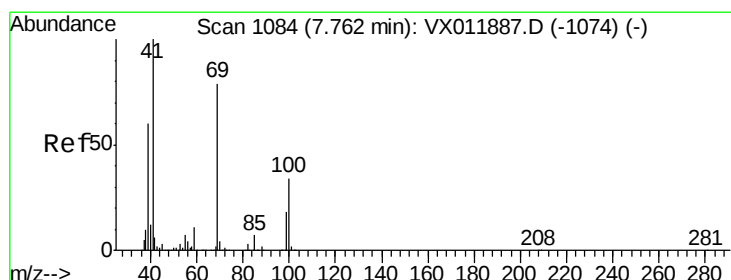
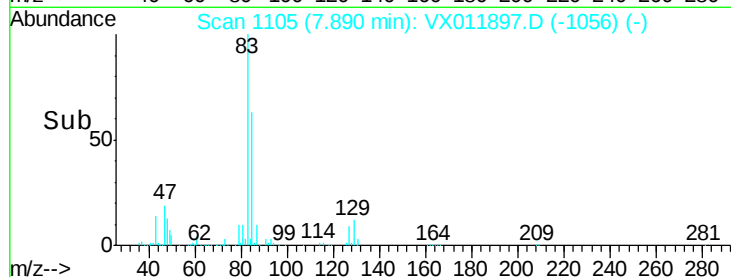
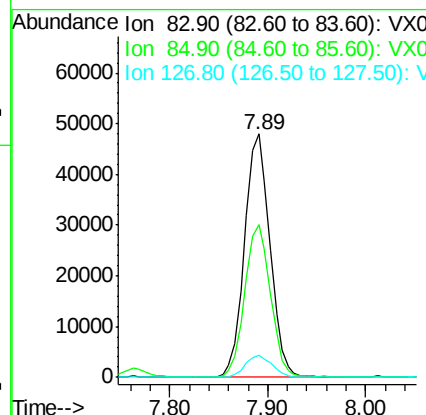
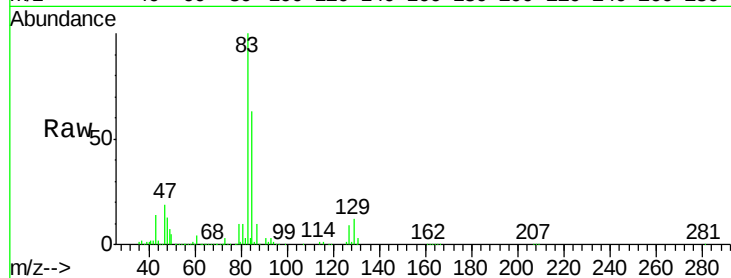
ClientSampleId :

VX0829SBS01

Tot Ion:	83	Resp:	86256
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.1	76.7
127	8.9	7.4	11.2

Manual Integrations
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MMDadoda
9/3/2019 2:39:24 AM



#48

Methyl methacrylate

Concen: 18.869 ug/l

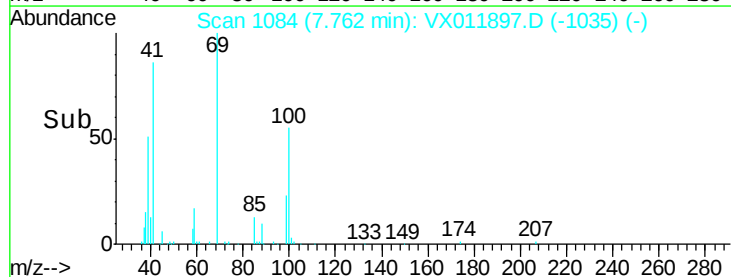
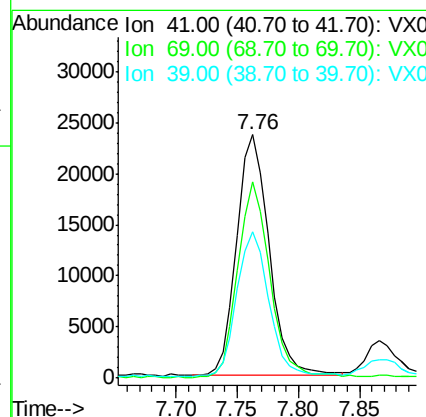
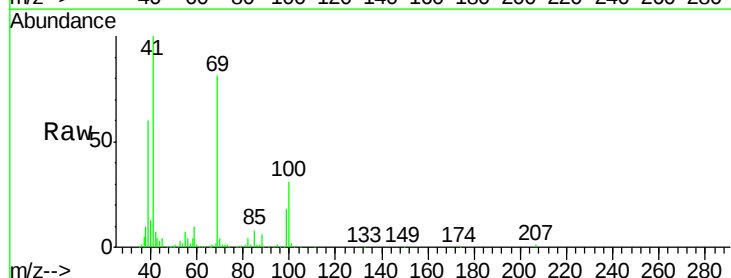
RT: 7.76 min Scan# 1084

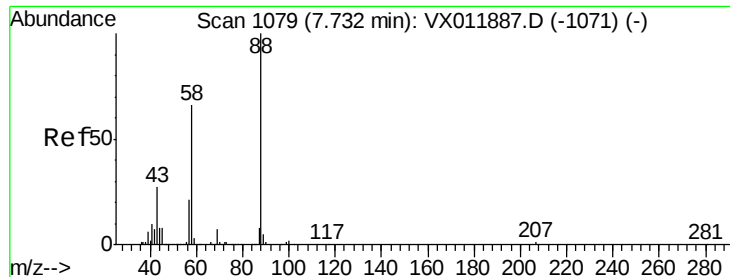
Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Tgt Ion:	41	Resp:	43280
Ion	Ratio	Lower	Upper
41	100		
69	80.1	64.4	96.6
39	59.8	47.2	70.8





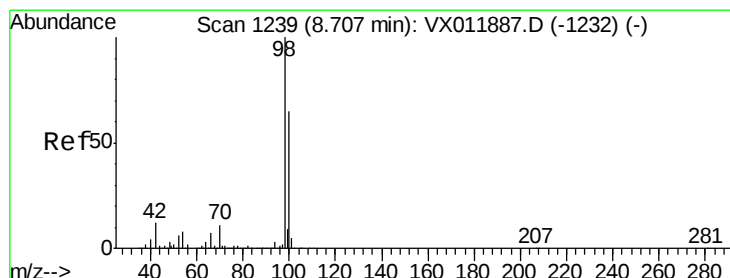
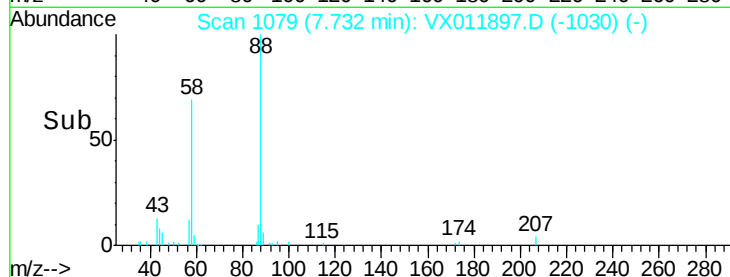
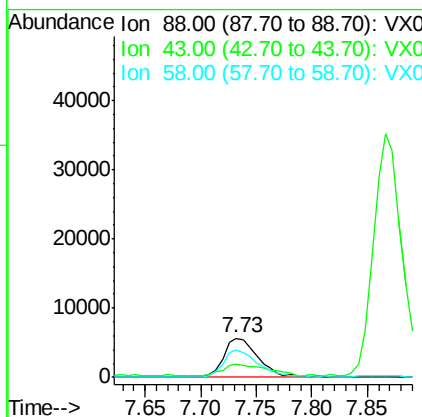
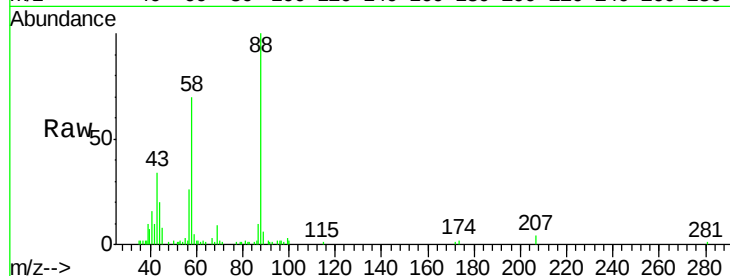
#49
1,4-Dioxane
Concen: 386.724 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	27.3	40.9
58	71.8	53.9	80.9

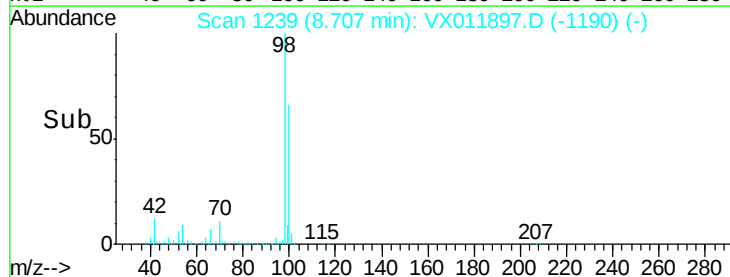
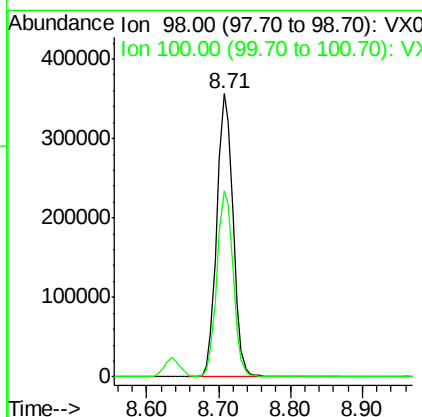
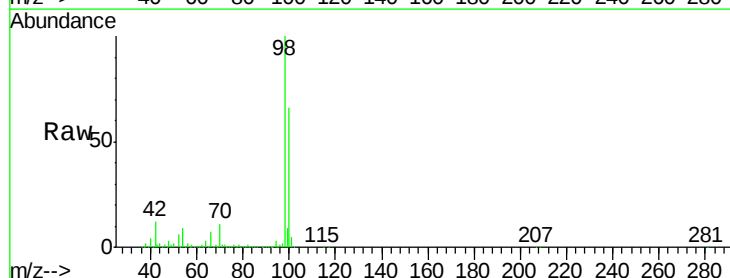
Manual Integrations
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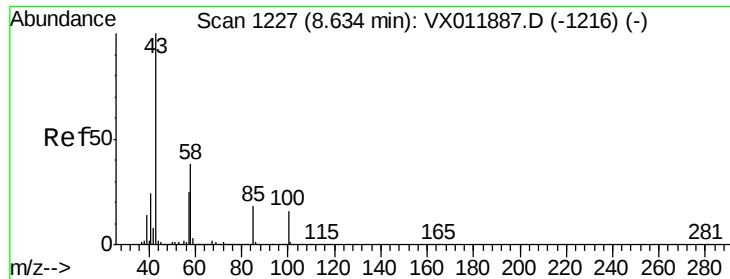
MMDadoda
9/3/2019 2:39:24 AM



#50
Toluene-d8
Concen: 48.847 ug/l
RT: 8.71 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.6





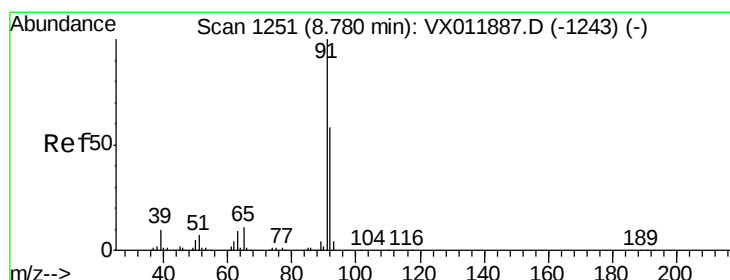
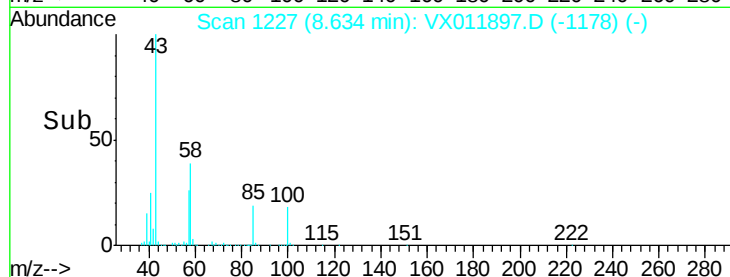
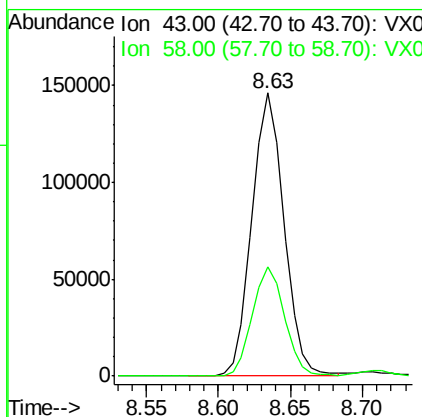
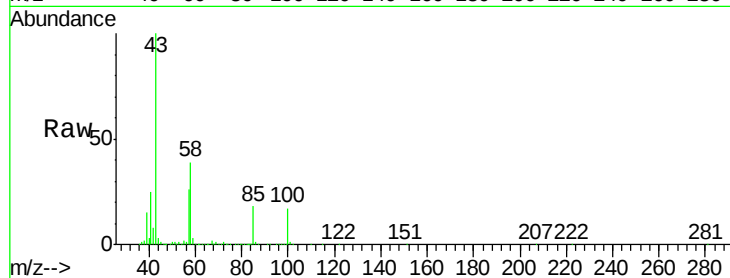
#51
4-Methyl-2-Pentanone
Concen: 93.647 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	30.9	46.3

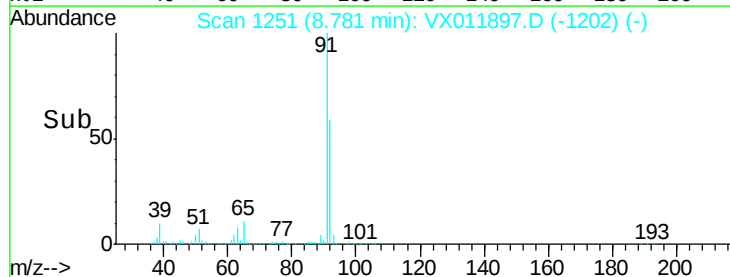
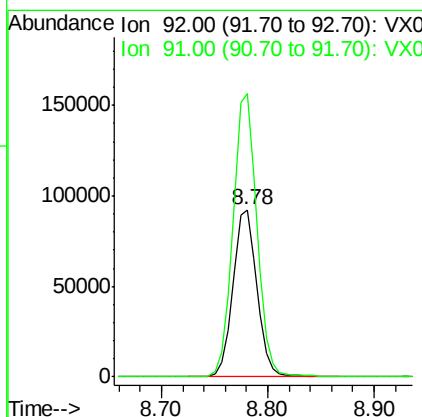
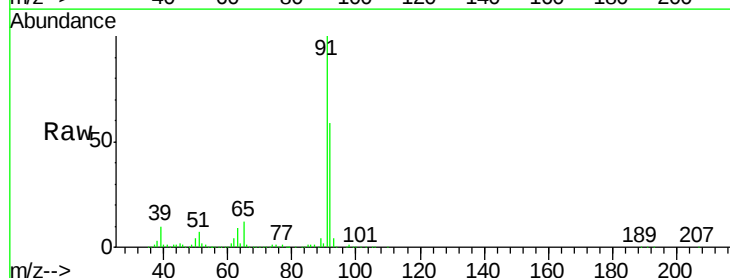
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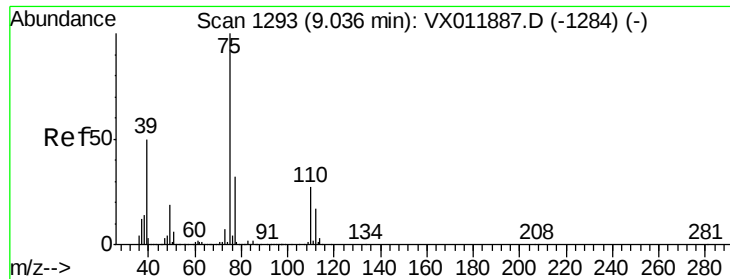
MMDadoda
9/3/2019 2:39:24 AM



#52
Toluene
Concen: 18.746 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.7	136.8	205.2





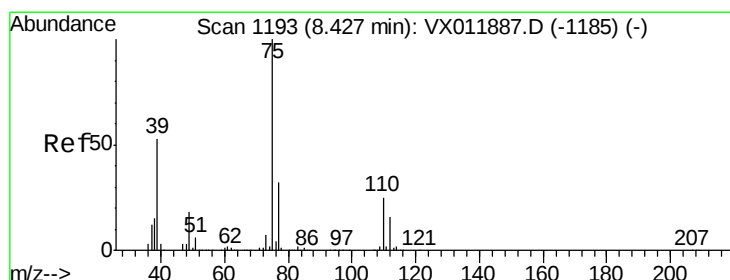
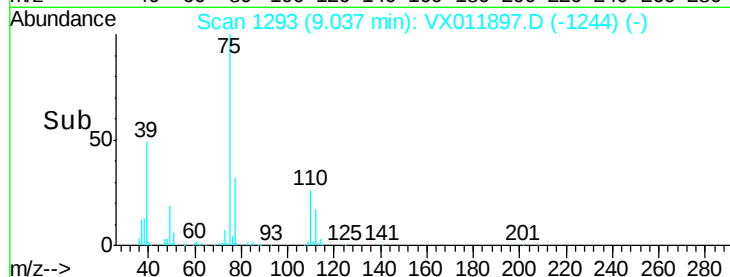
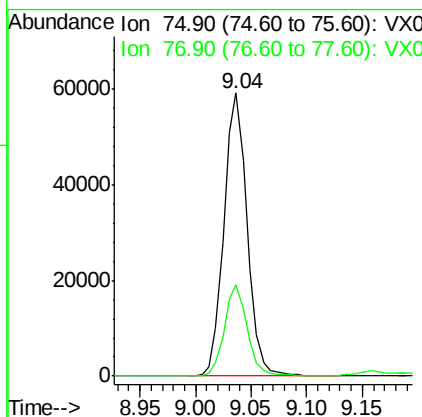
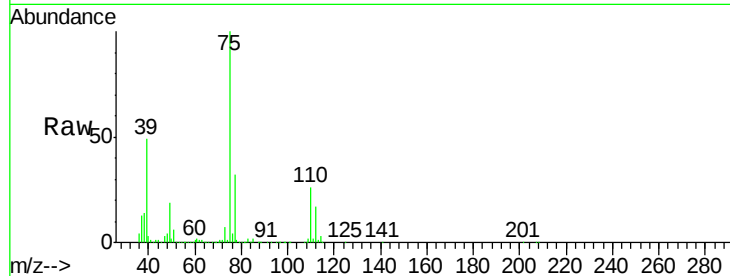
#53
t-1,3-Dichloropropene
Concen: 18.502 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4

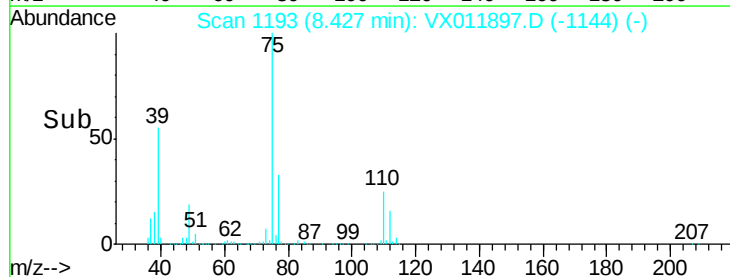
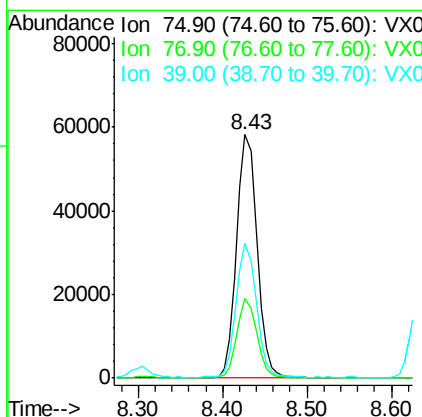
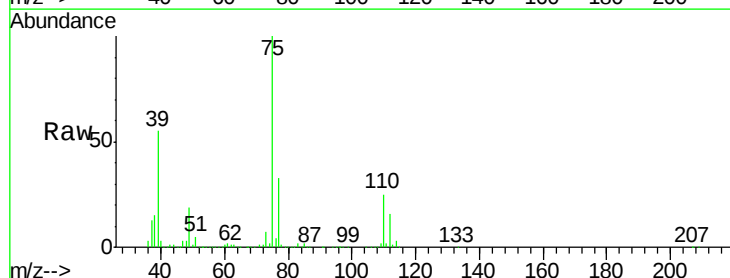
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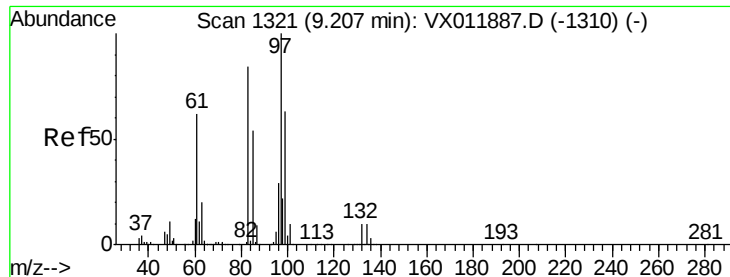
MMDadoda
9/3/2019 2:39:24 AM



#54
cis-1,3-Dichloropropene
Concen: 18.303 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.5	38.3
39	54.9	42.6	64.0





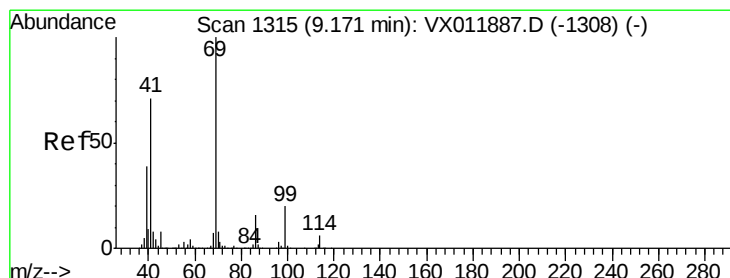
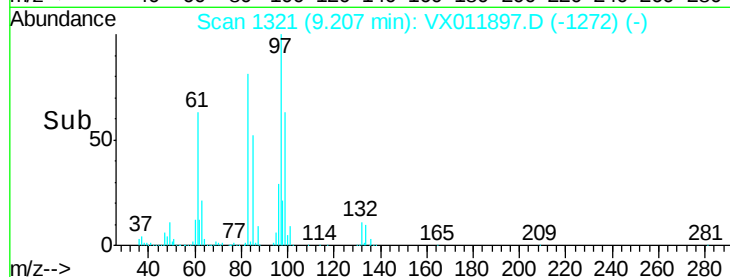
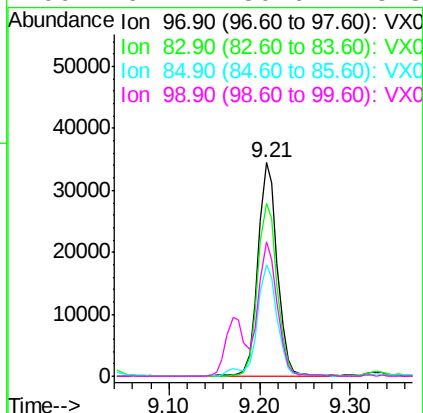
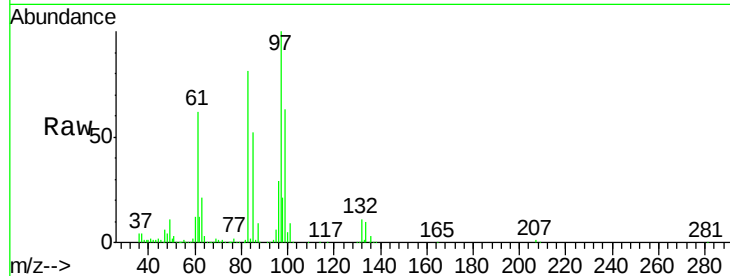
#55
 1,1,2-Trichloroethane
 Concen: 19.205 ug/l
 RT: 9.21 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

Tot Ion:	97	Resp:	51177
Ion	Ratio	Lower	Upper
97	100		
83	80.7	66.8	100.2
85	51.9	43.5	65.3
99	62.7	50.6	75.8

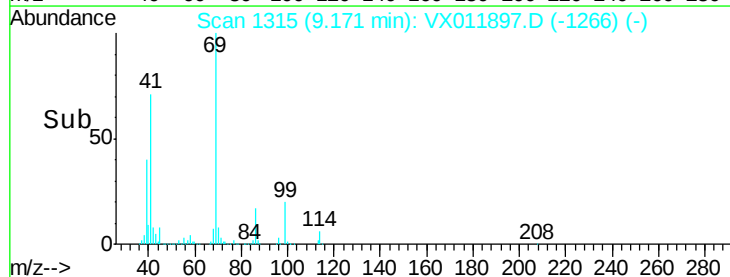
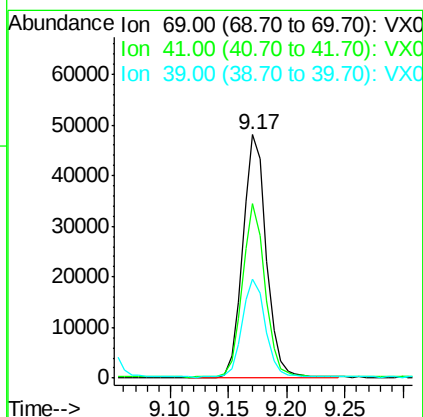
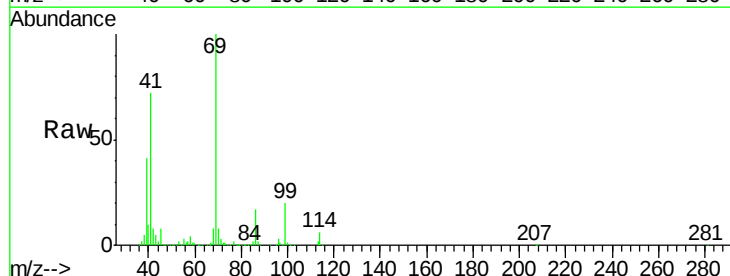
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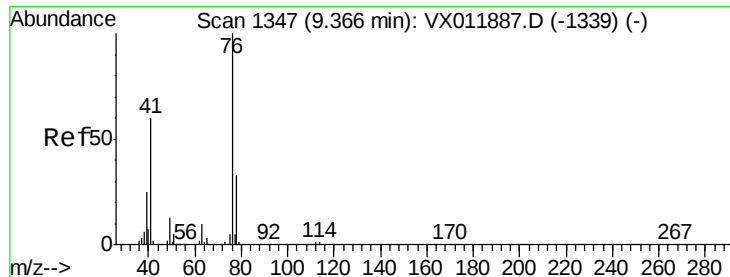
MMDadoda
 9/3/2019 2:39:24 AM



#56
 Ethyl methacrylate
 Concen: 18.376 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Tgt Ion:	69	Resp:	67962
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.8	83.8
39	40.2	31.1	46.7





#57

1,3-Dichloropropane

Concen: 19.082 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

Tot Ion: 76 Resp: 84397

Ion Ratio Lower Upper

76 100

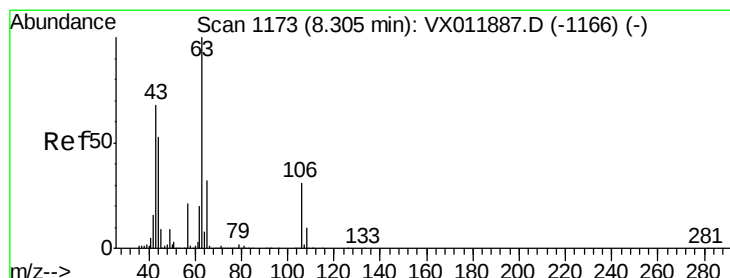
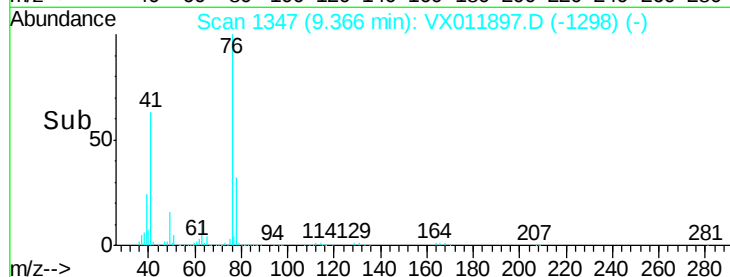
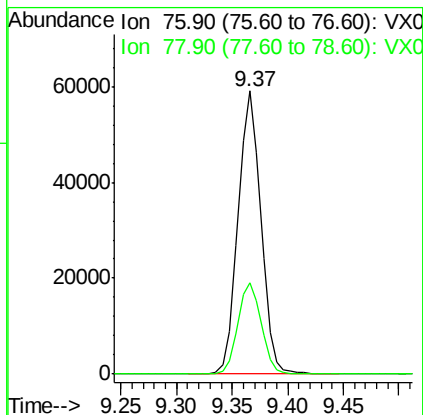
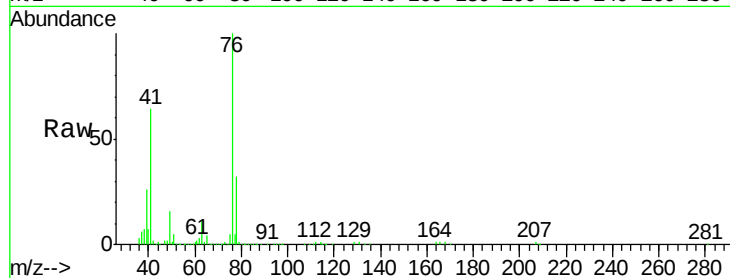
78 32.9 26.4 39.6

Manual Integrations

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MMDadoda

9/3/2019 2:39:24 AM



#58

2-Chloroethyl Vinyl ether

Concen: 102.655 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011897.D

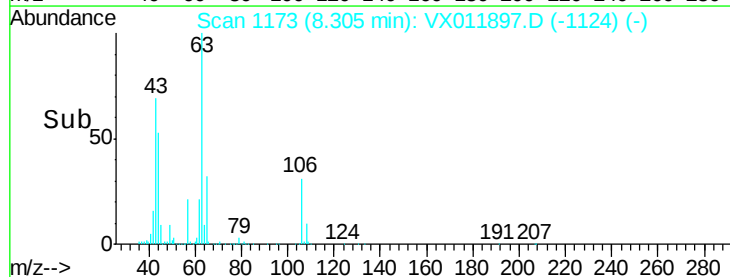
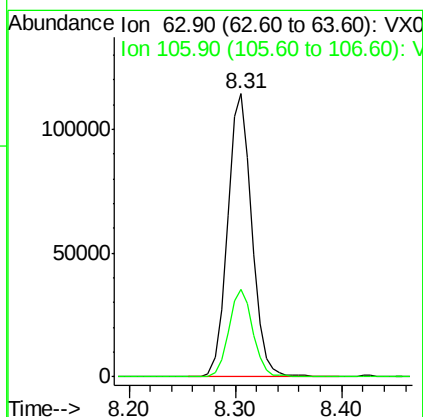
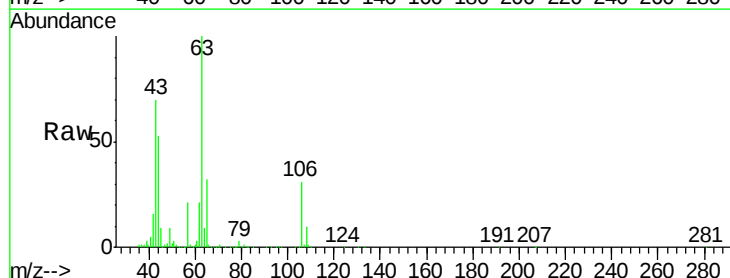
Acq: 30 Aug 2019 04:01

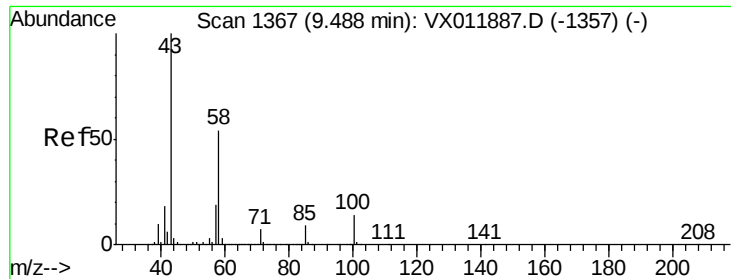
Tgt Ion: 63 Resp: 180824

Ion Ratio Lower Upper

63 100

106 31.1 24.8 37.2





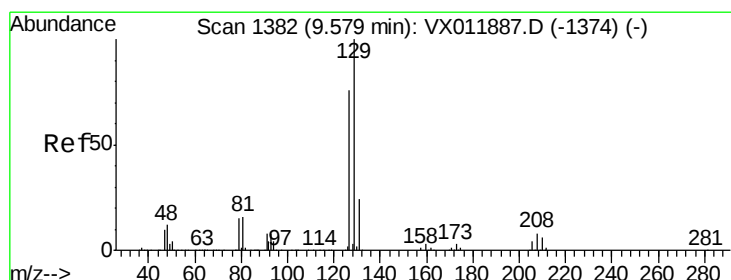
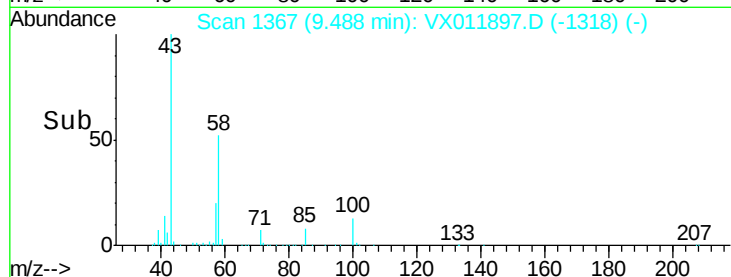
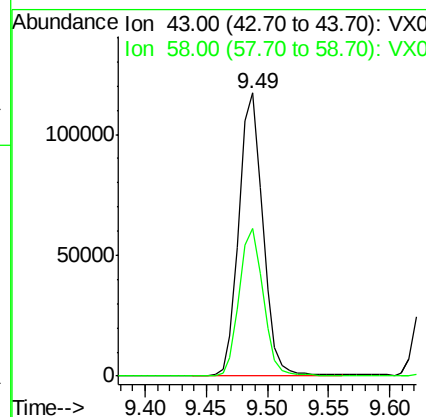
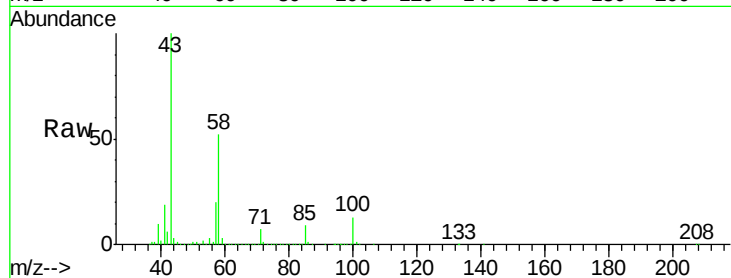
#59
2-Hexanone
Concen: 92.429 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion: 43 Resp: 157236
Ion Ratio Lower Upper
43 100
58 53.3 26.8 80.4

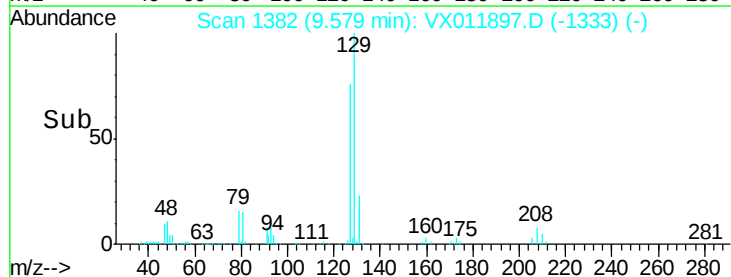
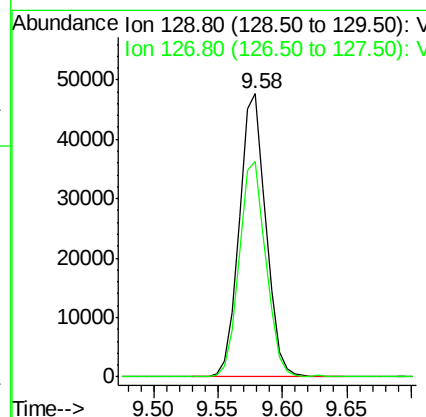
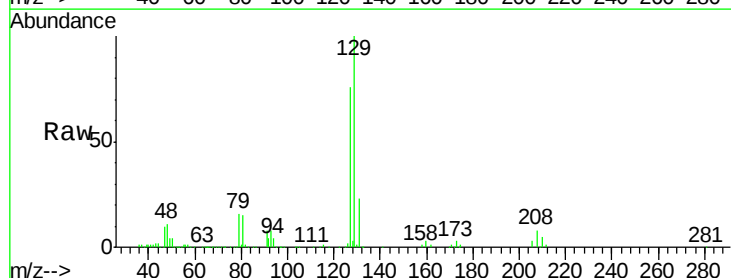
Manual Integrations
APPROVED

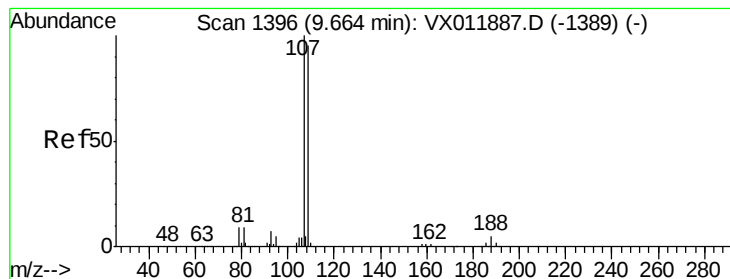
MMDadoda
9/3/2019 2:39:24 AM



#60
Dibromochloromethane
Concen: 19.122 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion: 129 Resp: 68435
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.7





#61

1,2-Dibromoethane

Concen: 18.881 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

Tot Ion:107 Resp: 49883

Ion Ratio Lower Upper

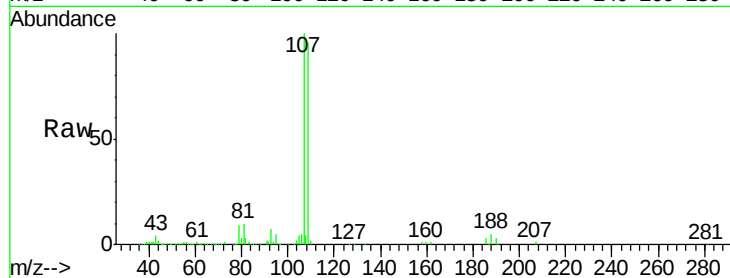
107 100

109 94.6 75.3 112.9

Manual Integrations
APPROVED

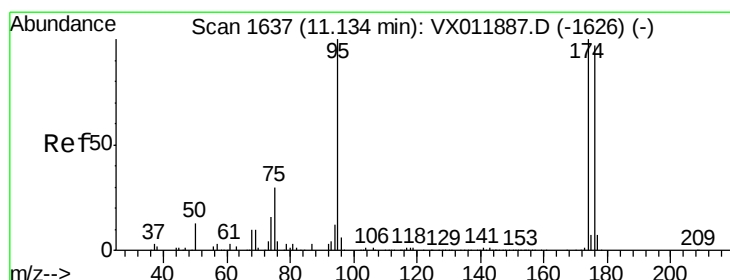
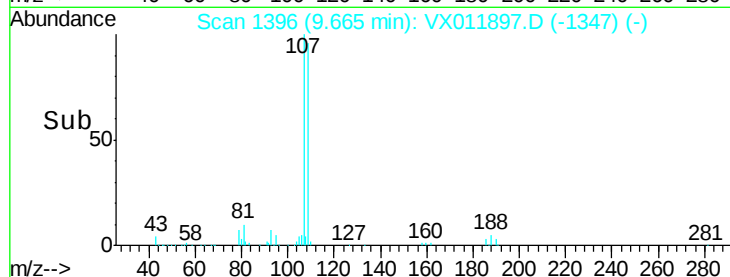
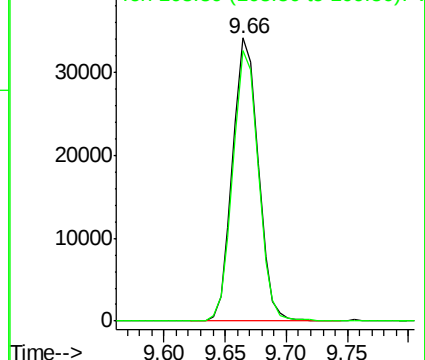
MMDadoda

9/3/2019 2:39:24 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.041 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

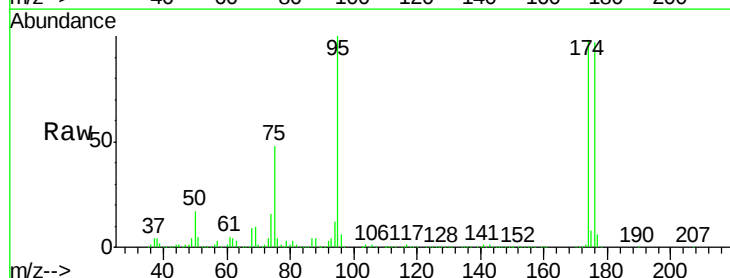
Tgt Ion: 95 Resp: 229541

Ion Ratio Lower Upper

95 100

174 97.3 0.0 196.0

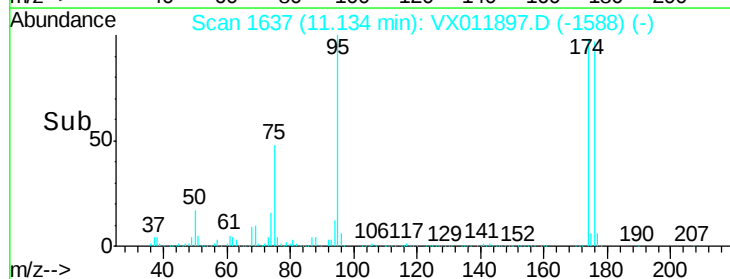
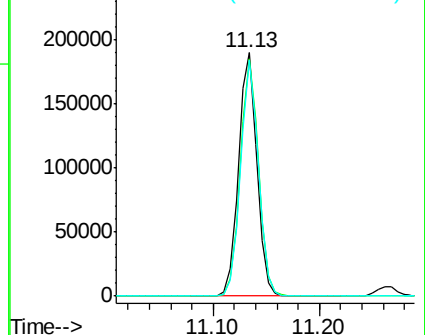
176 94.8 0.0 191.4

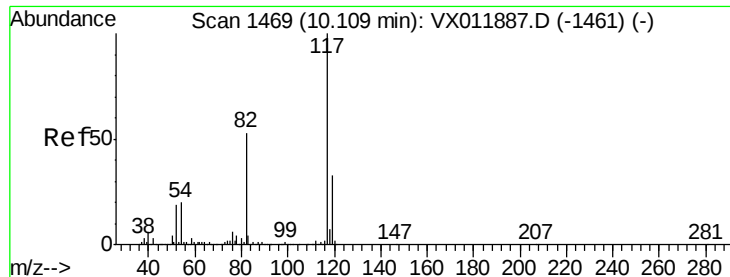


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





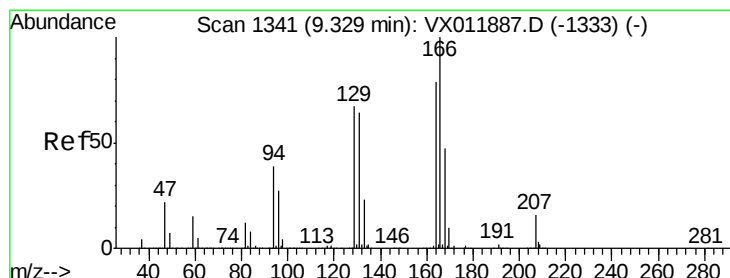
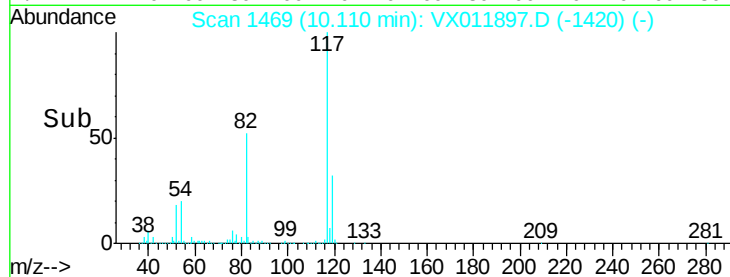
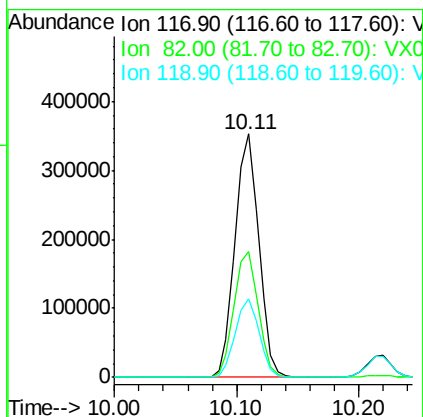
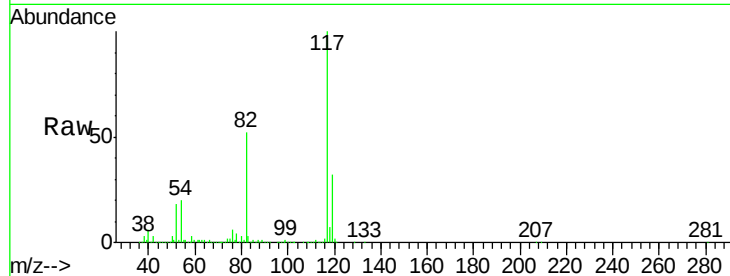
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.0	63.0
119	32.4	26.2	39.4

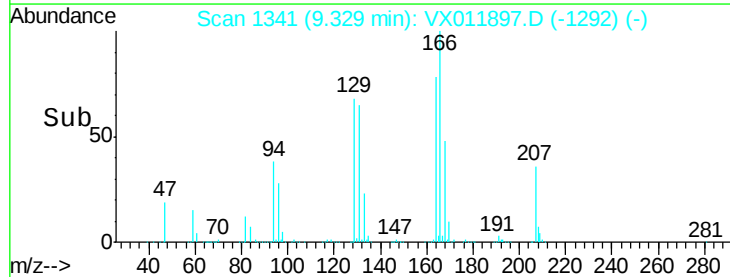
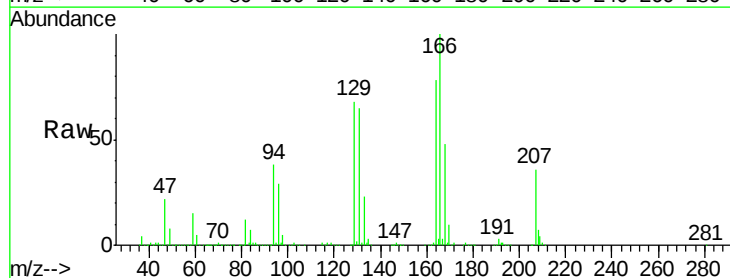
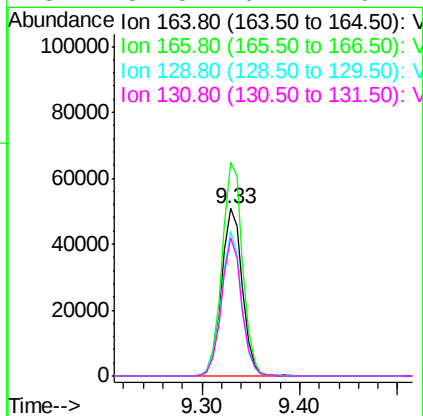
Manual Integrations
APPROVED

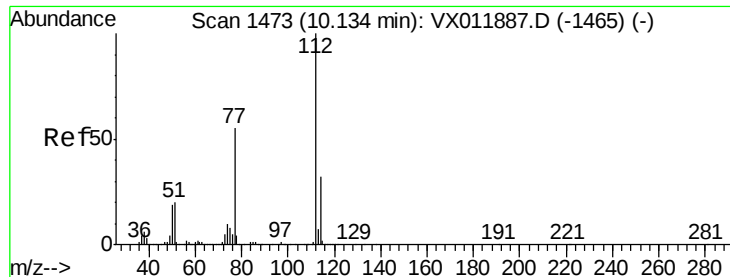
MMDadoda
9/3/2019 2:39:24 AM



#64
Tetrachloroethene
Concen: 19.528 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.4	152.0
129	86.2	68.0	102.0
131	82.8	64.7	97.1





#65

Chlorobenzene

Concen: 18.991 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

Tot Ion:112 Resp: 174578

Ion Ratio Lower Upper

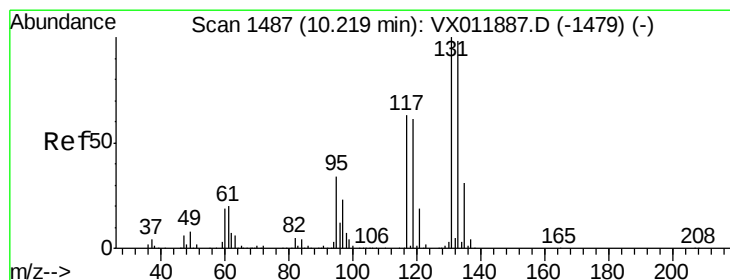
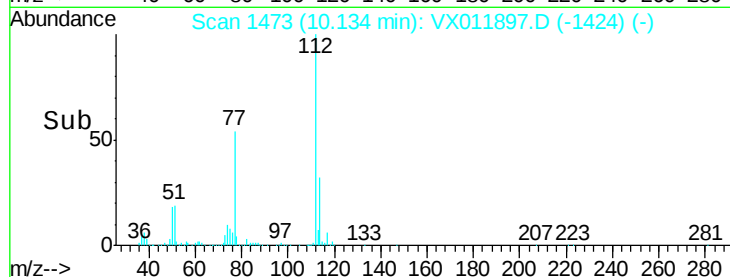
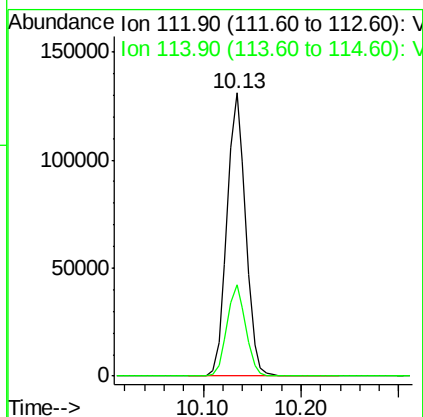
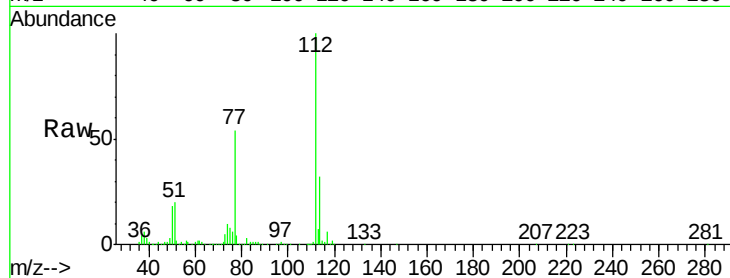
112 100

114 32.3 25.9 38.9

Manual Integrations
APPROVED

MMDadoda

9/3/2019 2:39:24 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 19.016 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

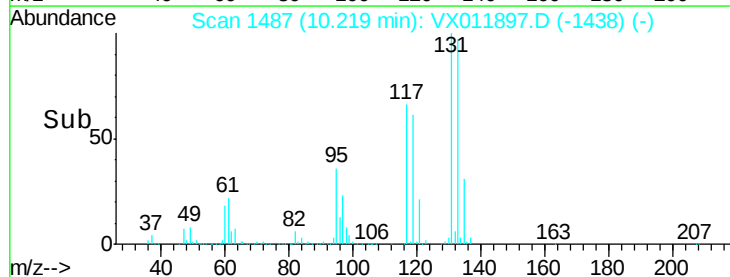
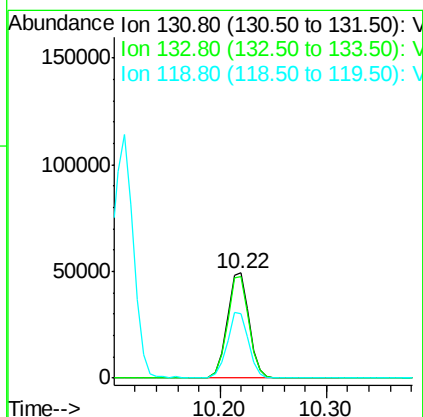
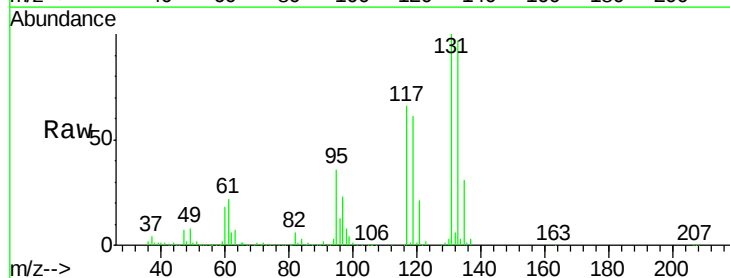
Tgt Ion:131 Resp: 70689

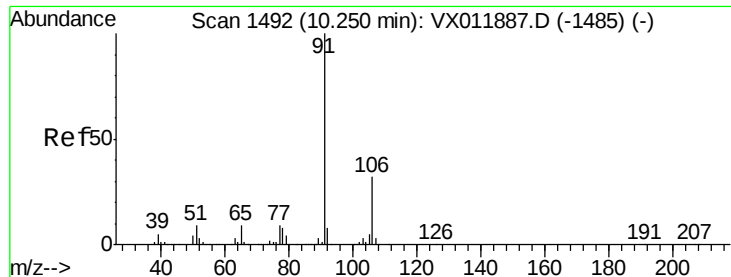
Ion Ratio Lower Upper

131 100

133 95.7 48.4 145.0

119 61.1 30.6 92.0





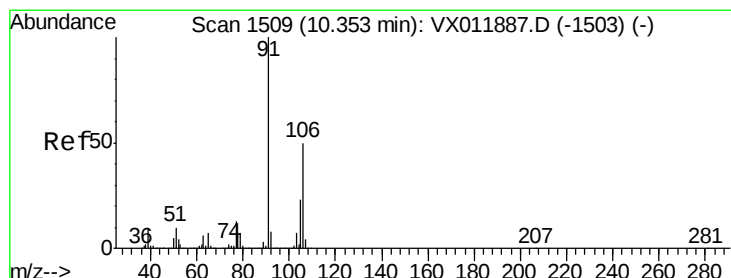
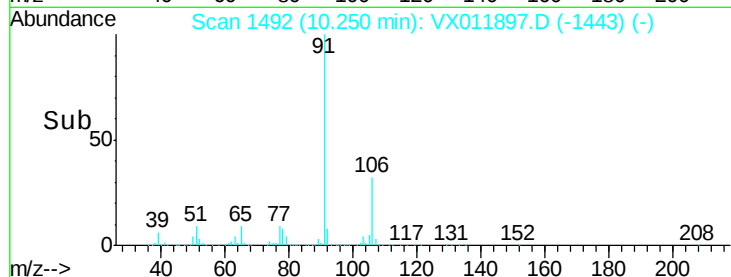
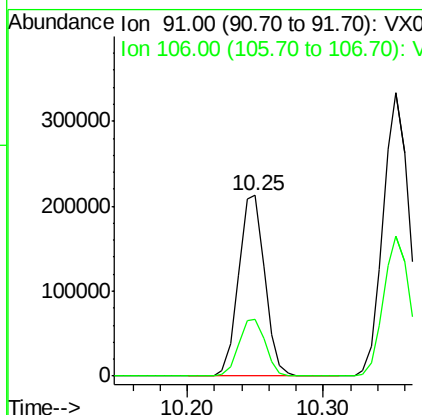
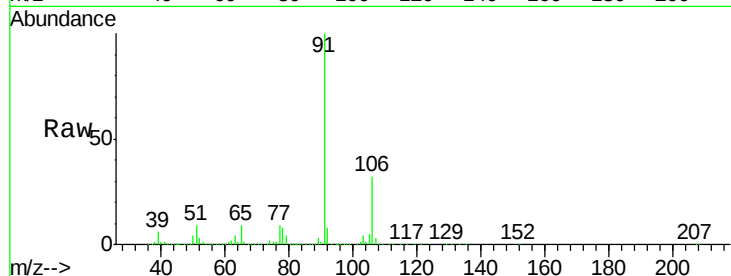
#67
Ethyl Benzene
Concen: 18.304 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.8	38.8

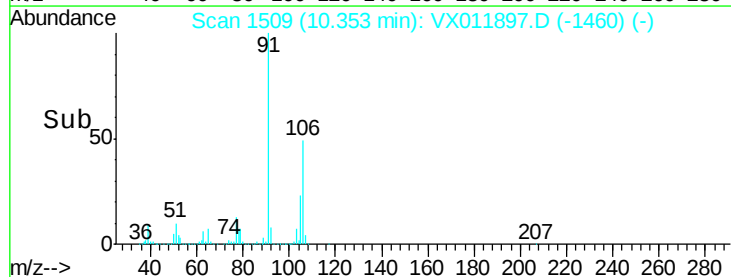
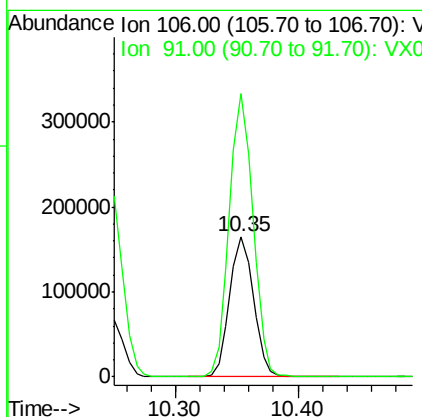
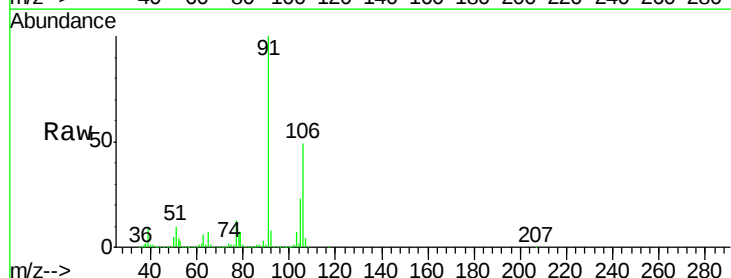
Manual Integrations
APPROVED

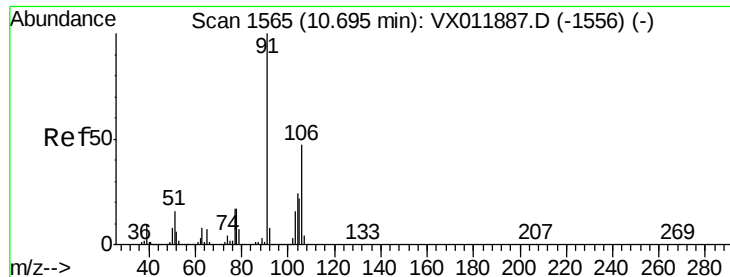
MMDadoda
9/3/2019 2:39:24 AM



#68
m/p-Xylenes
Concen: 36.830 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.6	158.6	237.8





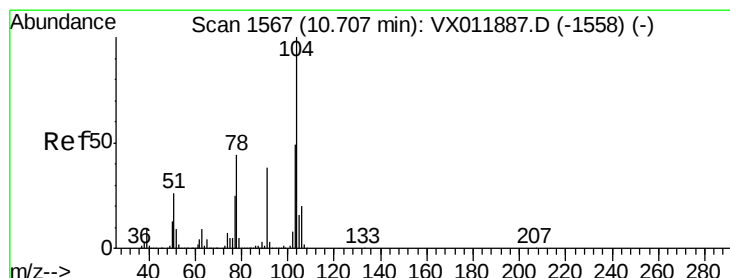
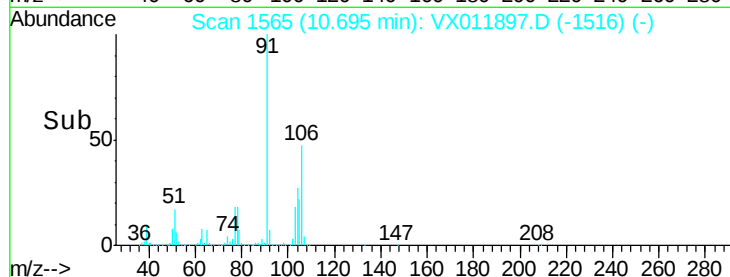
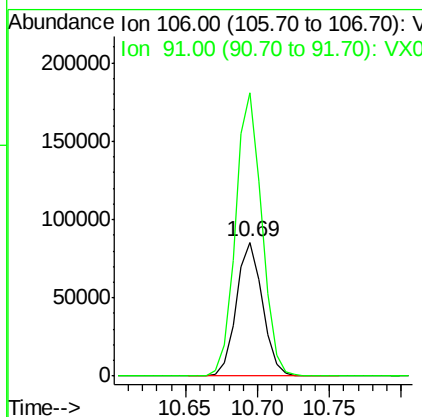
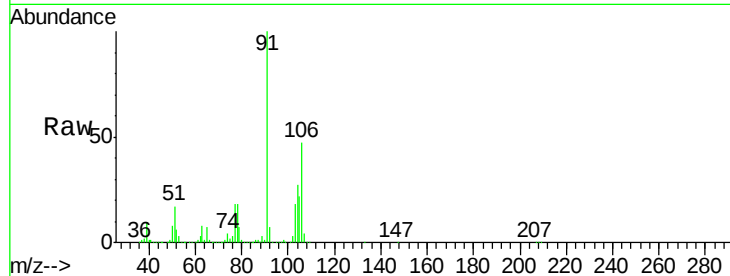
#69
o-Xylene
Concen: 18.423 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	108396		
91	91	212.1	104.8	314.6	

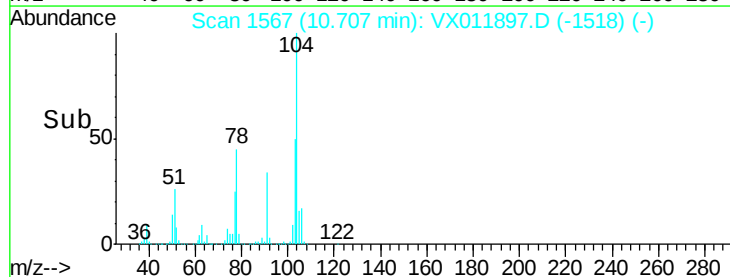
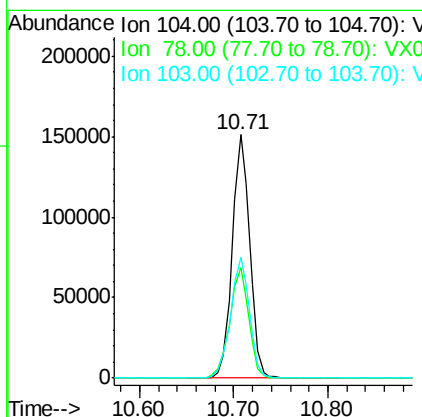
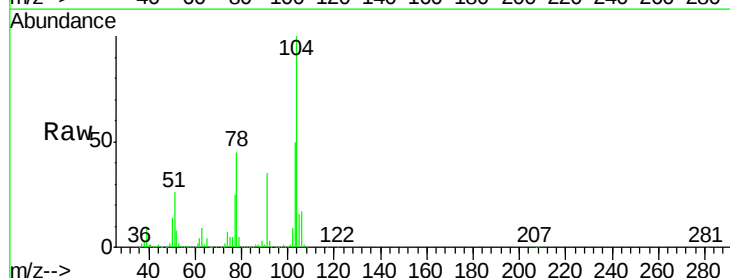
Manual Integrations
APPROVED

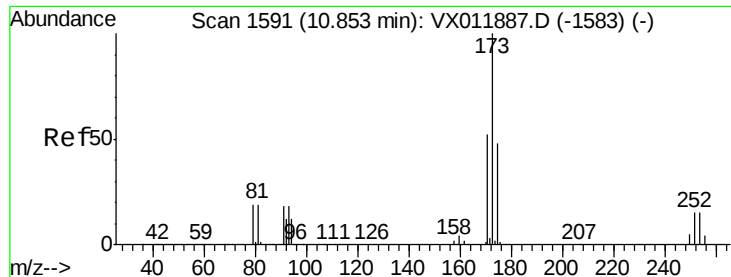
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#70
Styrene
Concen: 18.764 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	194599		
78	78	49.6	39.2	58.8	
103	103	53.8	43.0	64.6	





#71

Bromoform

Concen: 18.219 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

Tot Ion:173 Resp: 47890

Ion Ratio Lower Upper

173 100

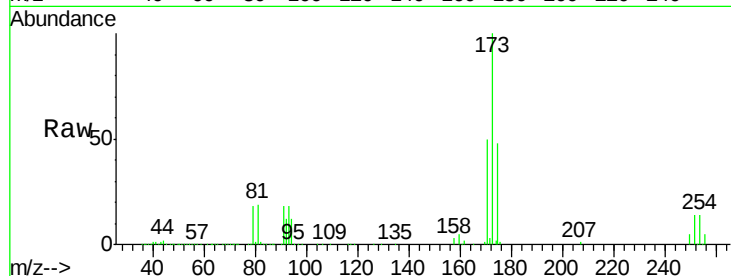
175 49.3 24.4 73.2

254 0.1 0.1 0.1#

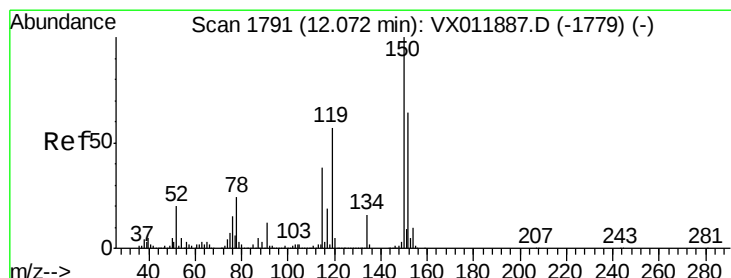
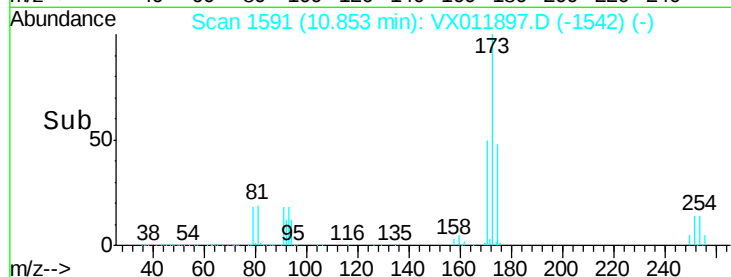
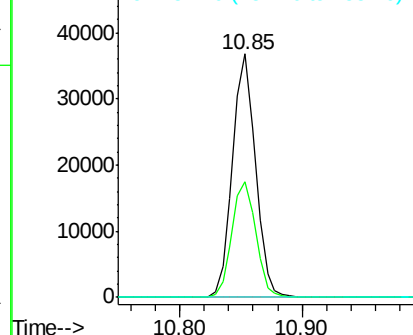
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

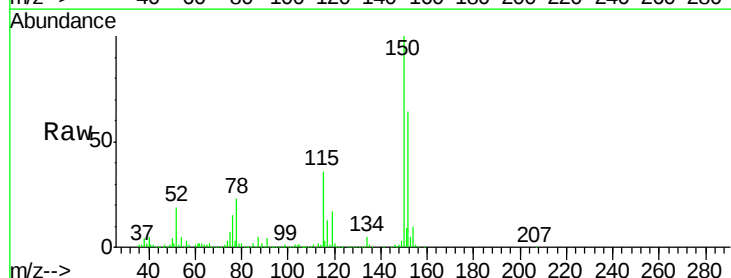
Tgt Ion:152 Resp: 276173

Ion Ratio Lower Upper

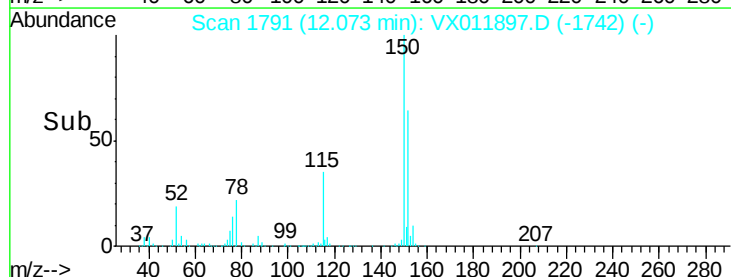
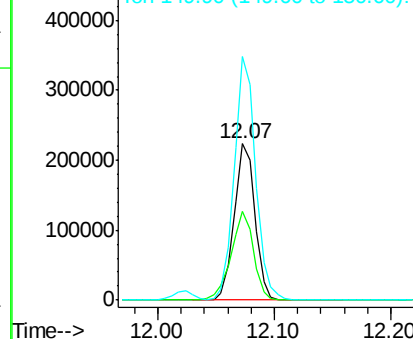
152 100

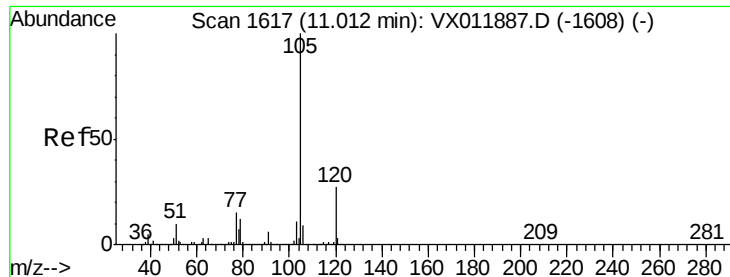
115 61.1 37.1 111.3

150 160.6 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: 18.306 ug/l

RT: 11.01 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampled :

VX0829SBS01

Tot Ion:105 Resp: 290483

Ion Ratio Lower Upper

105 100

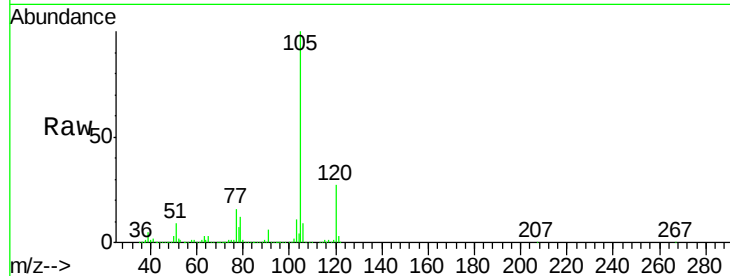
120 27.7

13.8 41.4

Manual Integrations
APPROVED

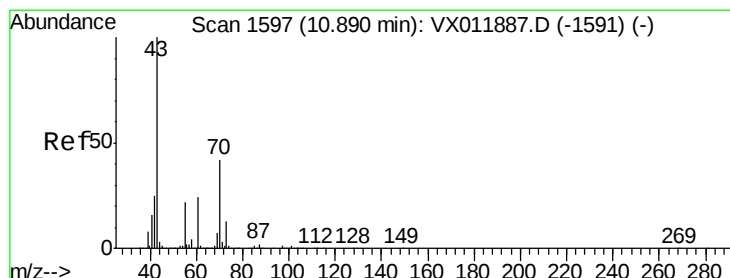
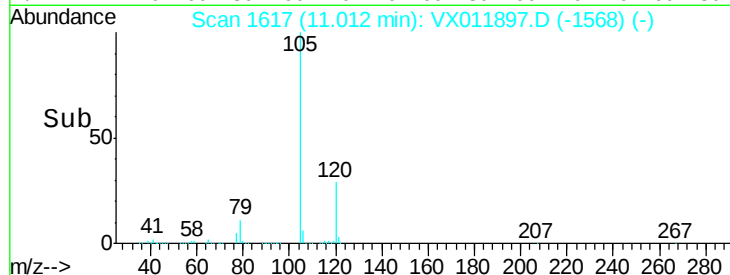
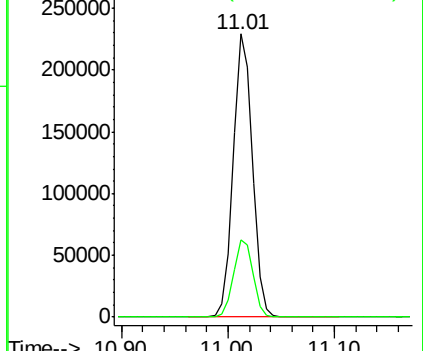
MMDadoda

9/3/2019 2:39:24 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.665 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Tgt Ion: 43 Resp: 83187

Ion Ratio Lower Upper

43 100

70 41.7 0.2 0.2#

55 22.9 0.1 0.1#

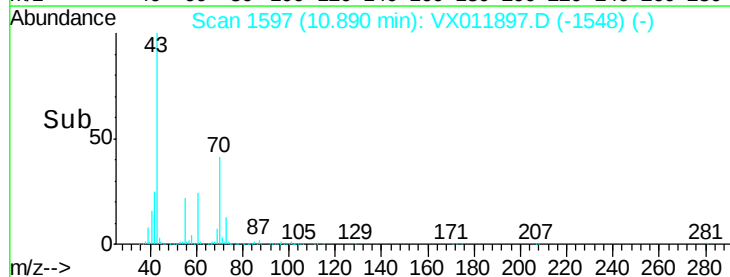
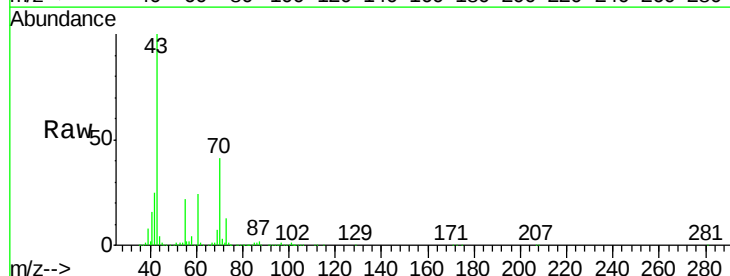
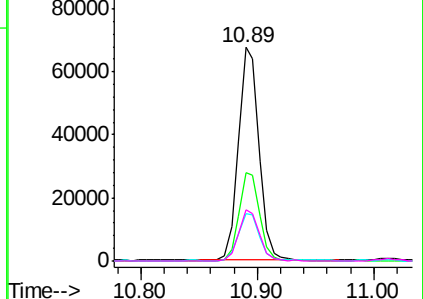
61 24.3 16.4 24.6

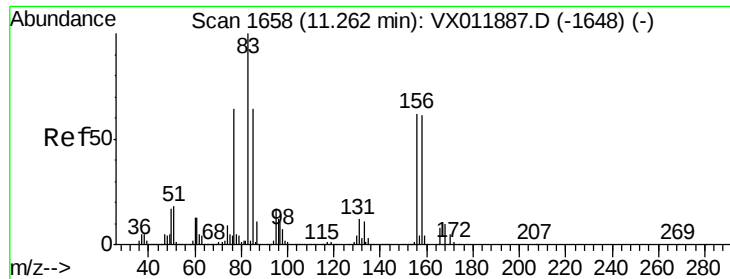
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 18.442 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

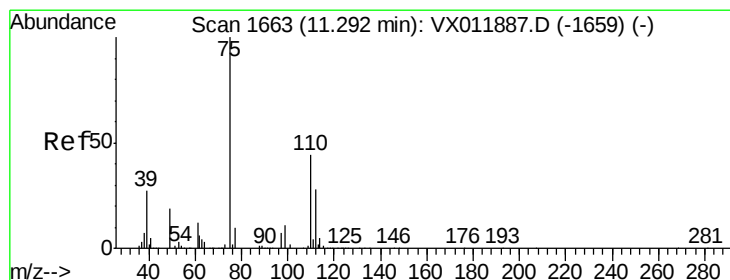
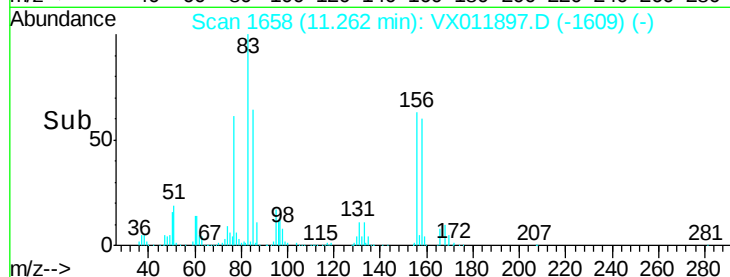
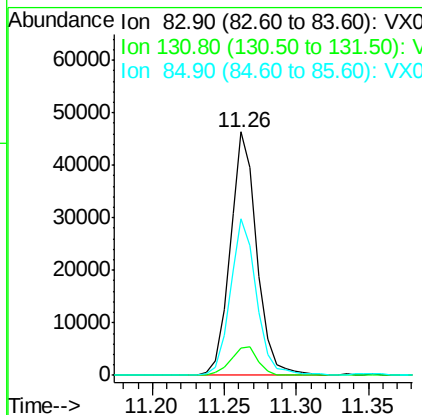
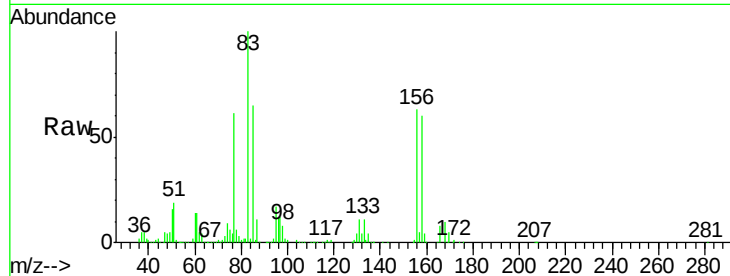
ClientSampleId :

VX0829SBS01

Tot Ion:	83	Resp:	59893
Ion Ratio	Lower	Upper	
83	100		
131	12.1	6.0	18.0
85	63.7	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 18.488 ug/l m

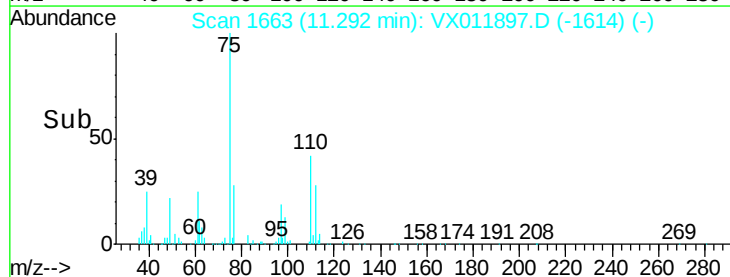
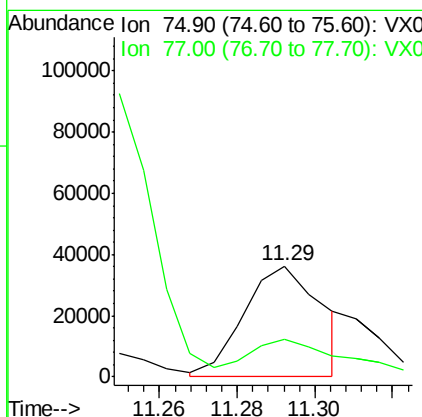
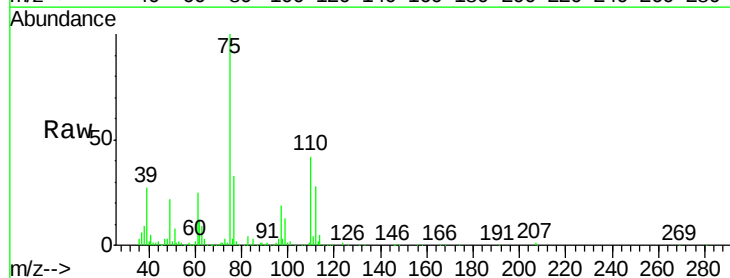
RT: 11.29 min Scan# 1663

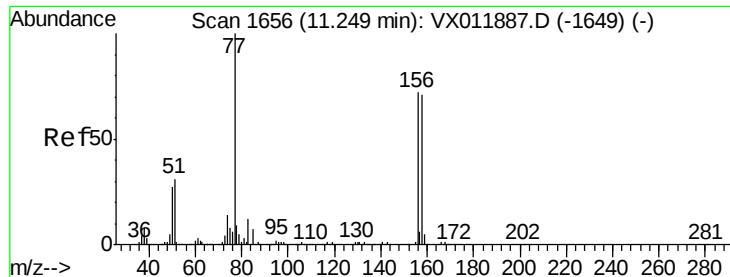
Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Tgt Ion:	75	Resp:	50226
Ion Ratio	Lower	Upper	
75	100		
77	41.3	20.9	62.7





#77

Bromobenzene

Concen: 18.885 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

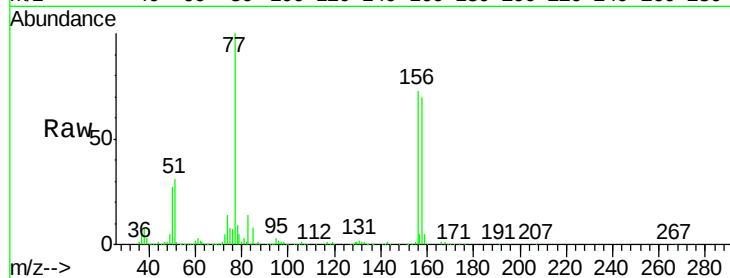
ClientSampleId :

VX0829SBS01

Tot Ion:	156	Resp:	86911
Ion Ratio	Lower	Upper	
156	100		
77	133.4	68.1	204.3
158	97.9	48.9	146.8

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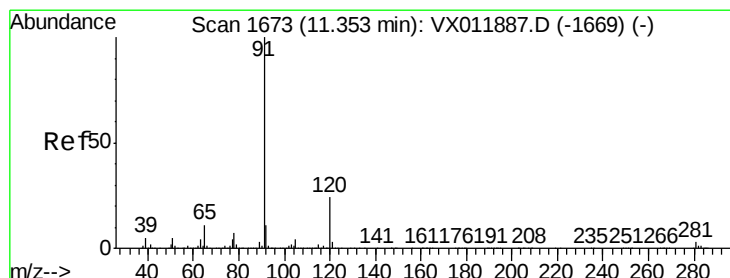
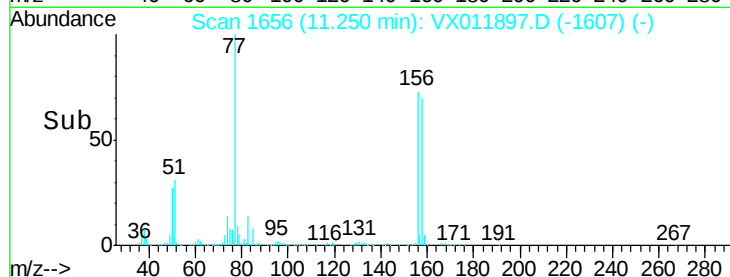
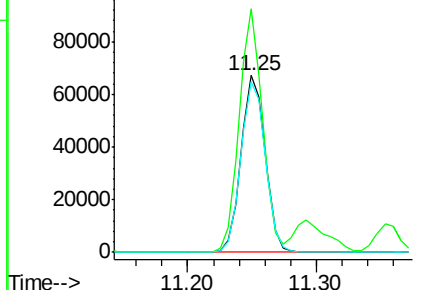
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.450 ug/l

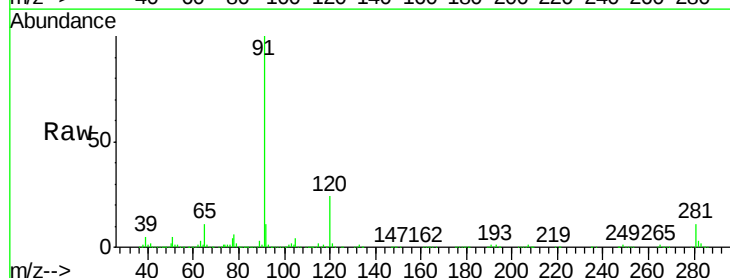
RT: 11.35 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VX011897.D

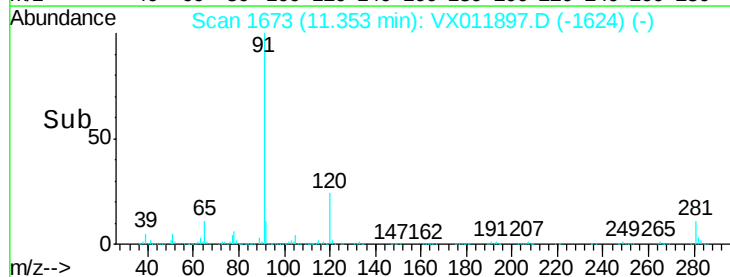
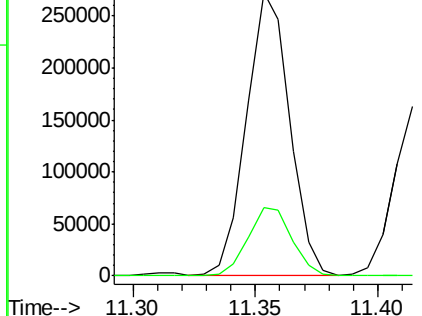
Acq: 30 Aug 2019 04:01

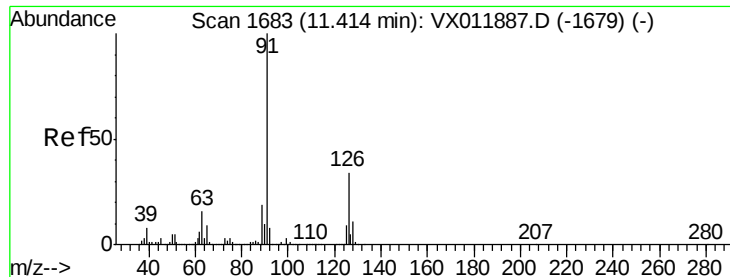
Tgt Ion:	91	Resp:	331995
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.652 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

Tot Ion: 91 Resp: 202018

Ion Ratio Lower Upper

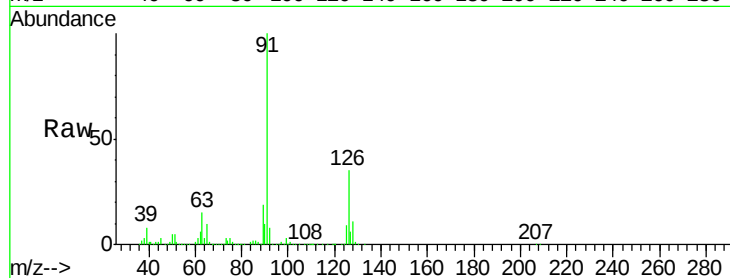
91 100

126 36.5 17.9 53.8

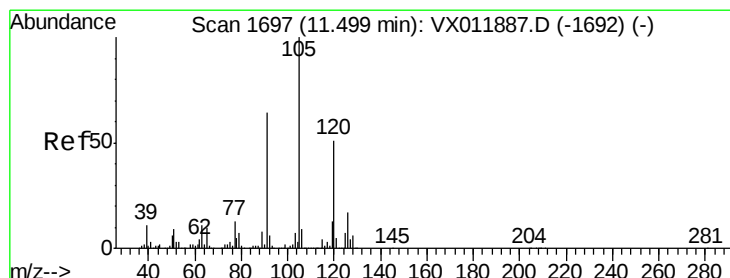
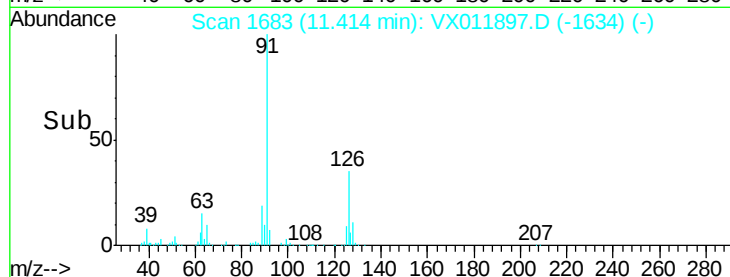
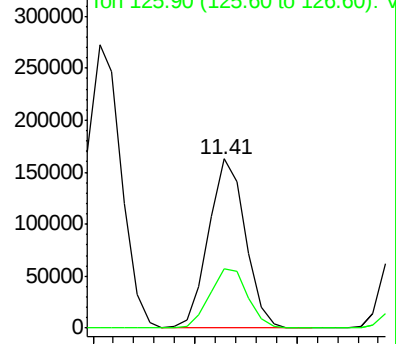
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Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.880 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VX011897.D

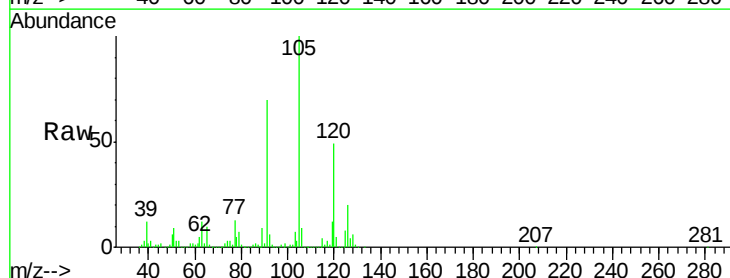
Acq: 30 Aug 2019 04:01

Tgt Ion: 105 Resp: 258600

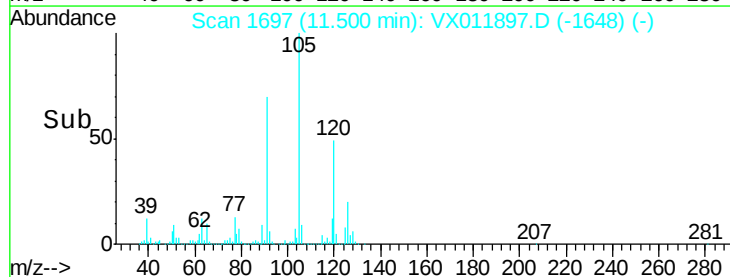
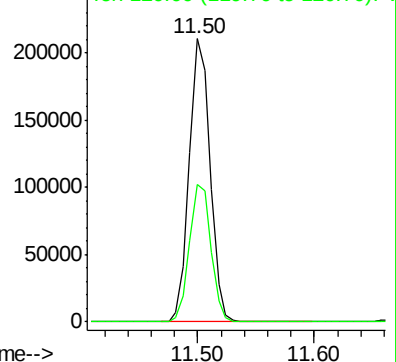
Ion Ratio Lower Upper

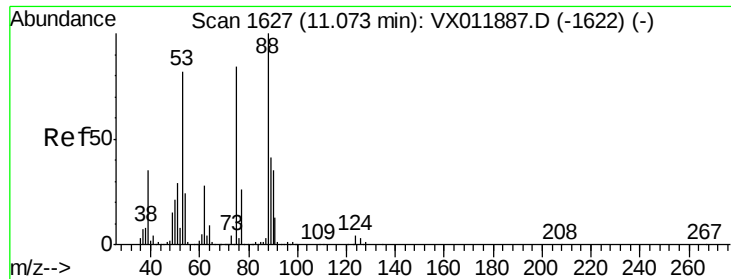
105 100

120 49.9 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX011887.D (-1692) (-)





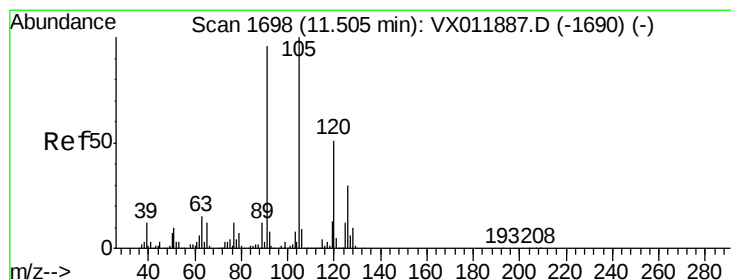
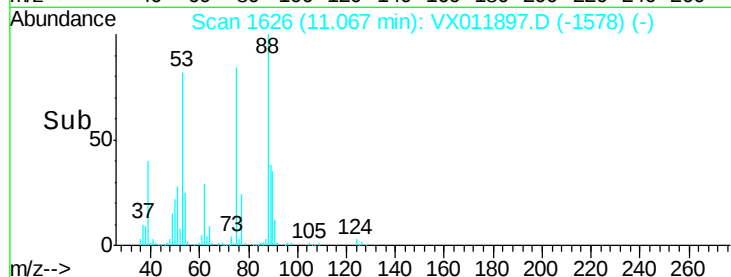
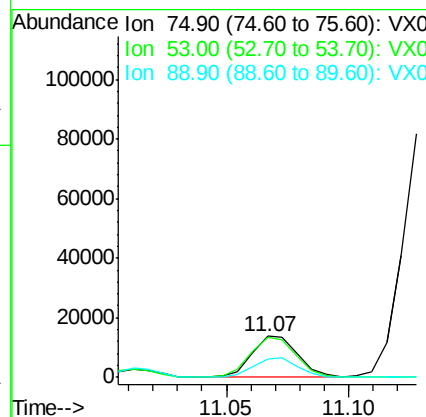
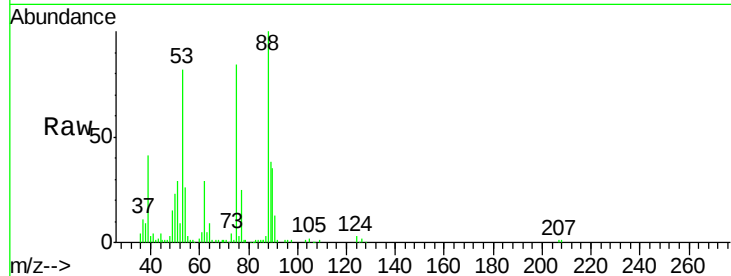
#81
trans-1,4-Dichloro-2-butene
Concen: 16.466 ug/l
RT: 11.07 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.6	77.1	115.7
89	48.4	38.2	57.2

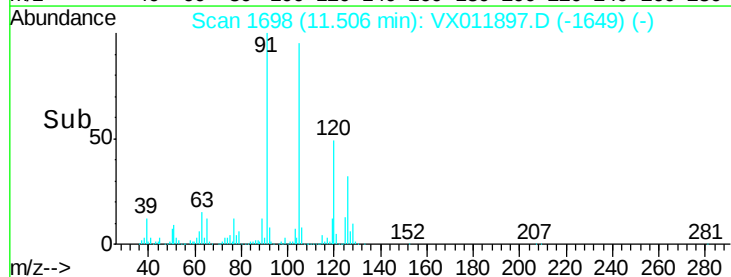
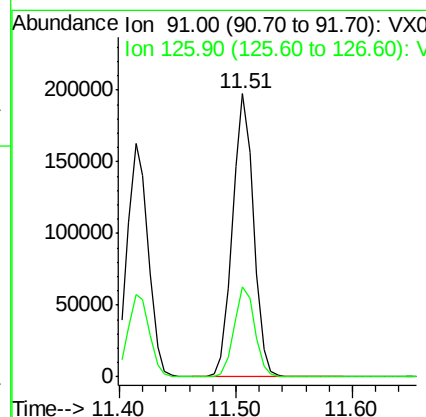
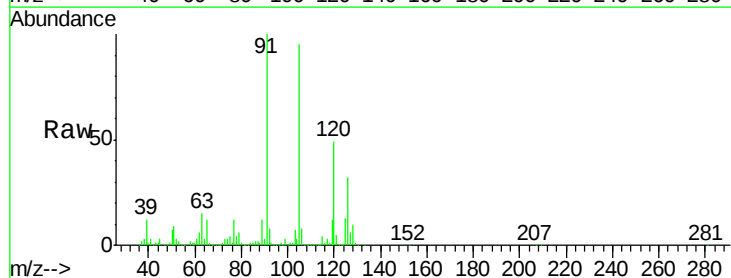
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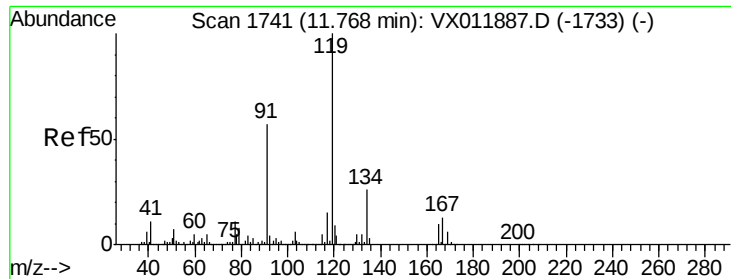
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#82
4-Chlorotoluene
Concen: 18.899 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.9	47.6





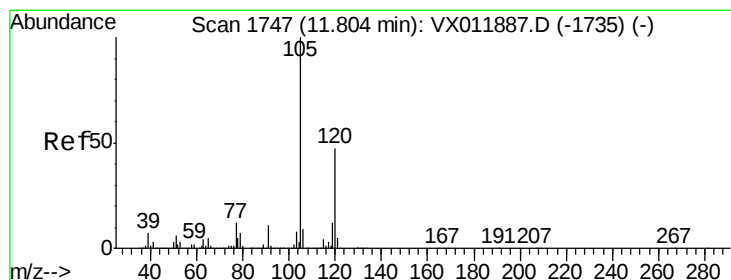
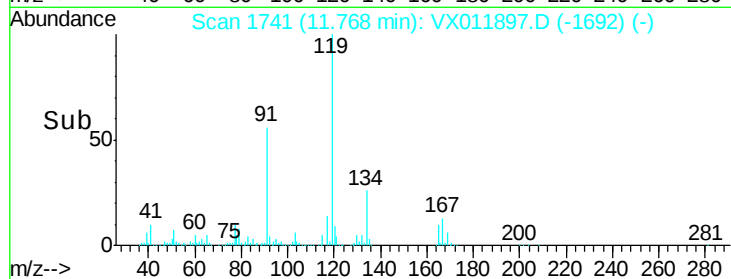
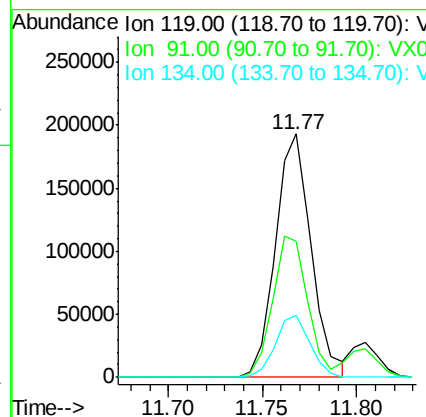
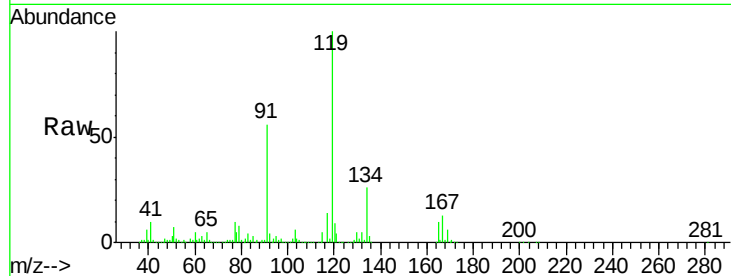
#83
 tert-Butylbenzene
 Concen: 18.224 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	253280		
91	56.7		27.9	83.6
134	24.6		12.3	36.8

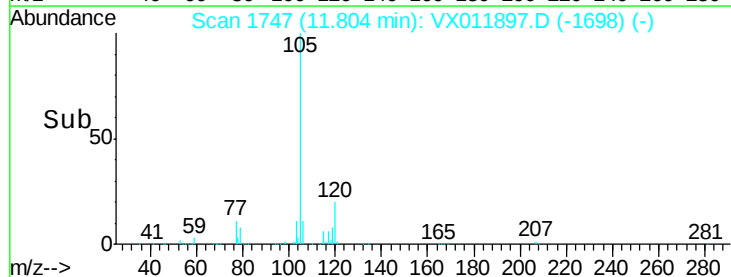
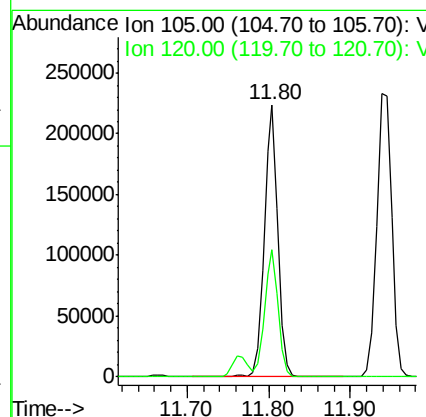
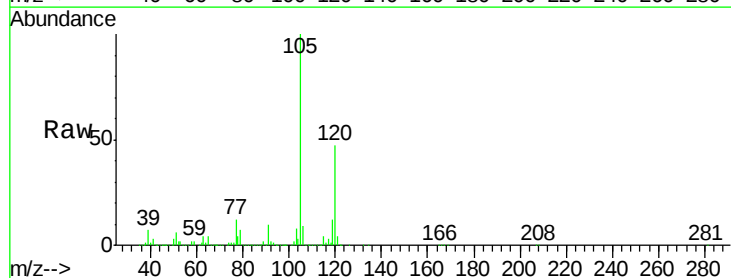
Manual Integrations
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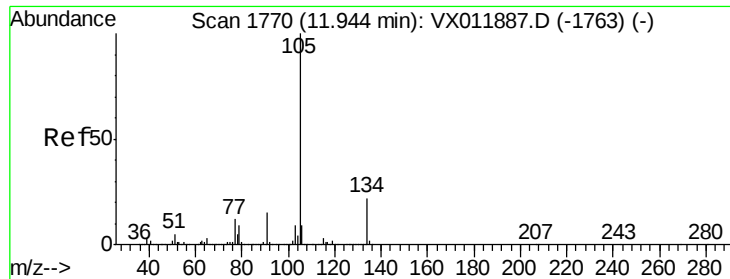
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.874 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	264934		
120	46.4		23.4	70.3





#85

sec-Butylbenzene

Concen: 18.449 ug/l

RT: 11.94 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

ClientSampleId :

VX0829SBS01

Tot Ion:105 Resp: 297812

Ion Ratio Lower Upper

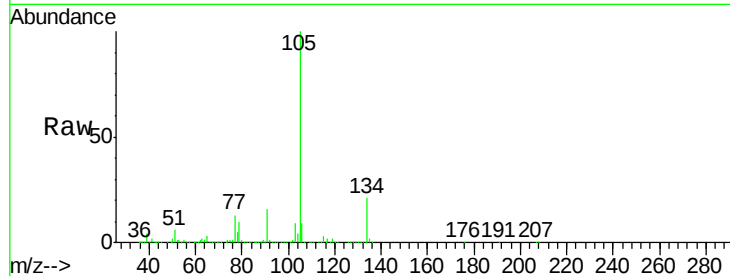
105 100

134 21.9 10.9 32.7

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

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

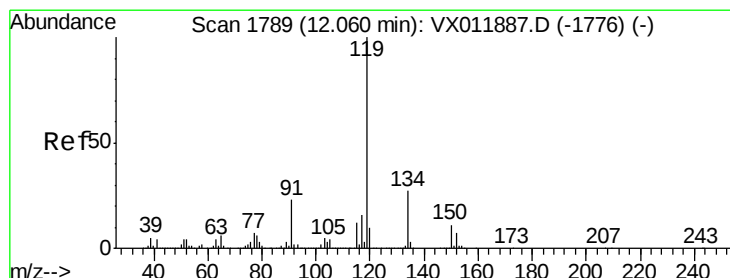
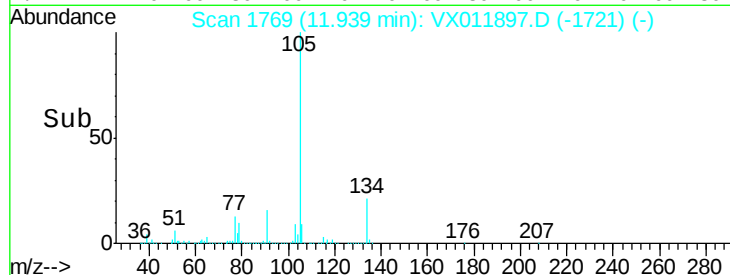
50000

0

11.90

12.00

Time-->



#86

p-Isopropyltoluene

Concen: 18.562 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

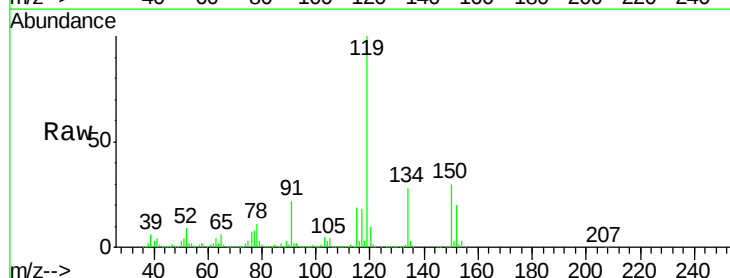
Tgt Ion:119 Resp: 290554

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

91 23.2 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

300000

200000

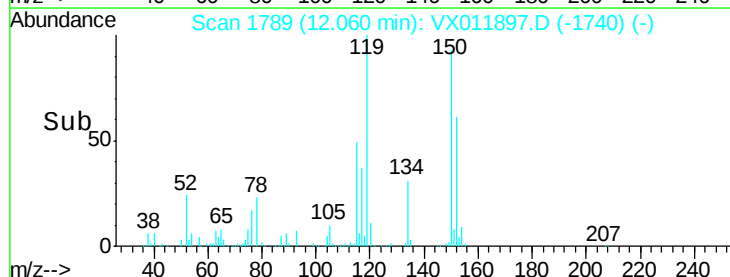
100000

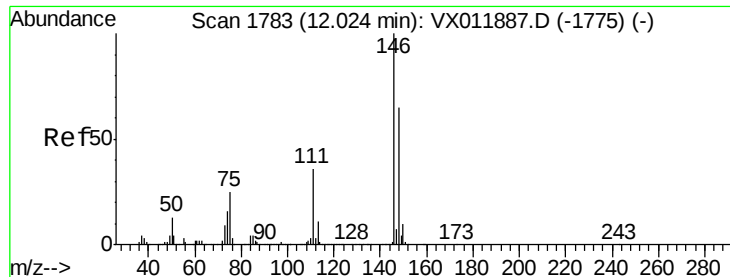
0

12.00

12.10

Time-->





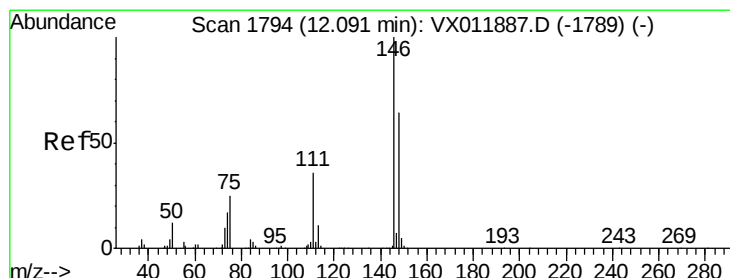
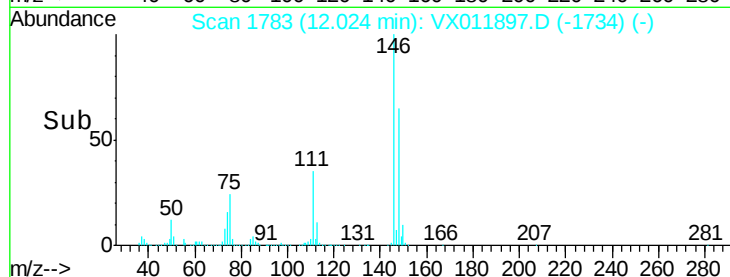
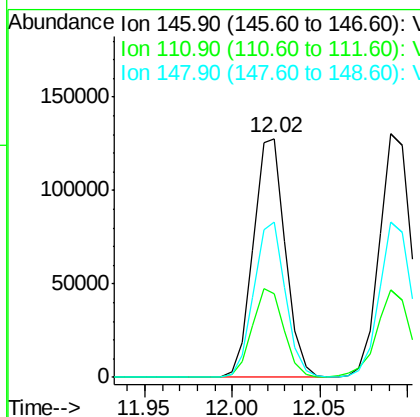
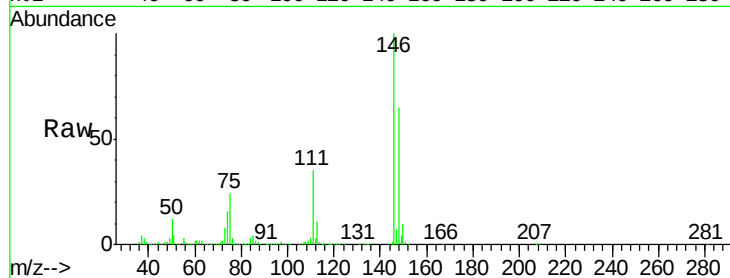
#87
 1,3-Dichlorobenzene
 Concen: 19.194 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.2
148	64.2	32.1	96.5

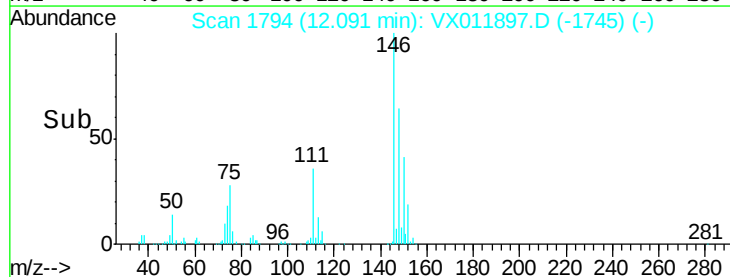
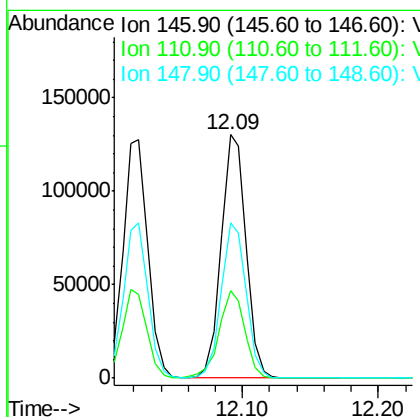
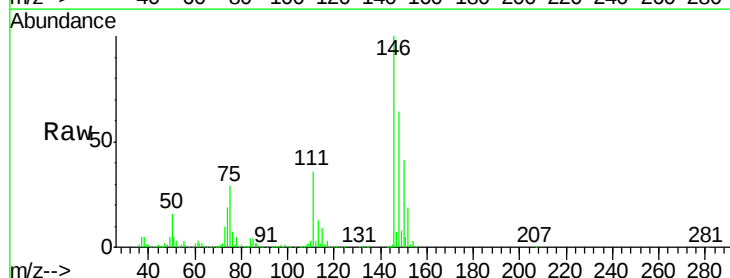
Manual Integrations
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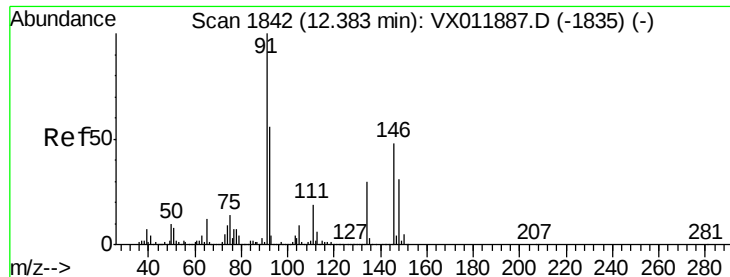
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#88
 1,4-Dichlorobenzene
 Concen: 18.934 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.9	53.7
148	64.8	32.4	97.0





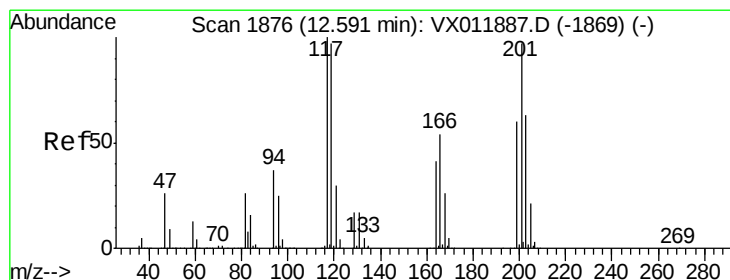
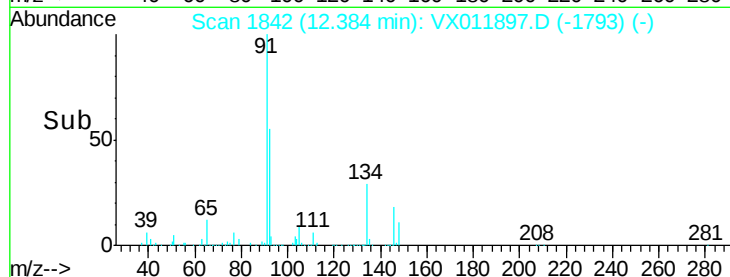
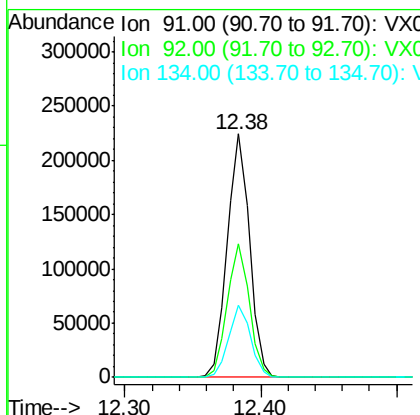
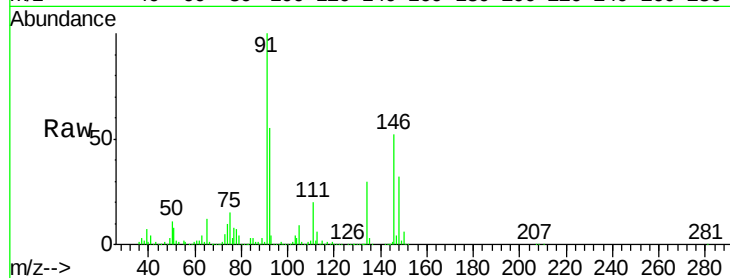
#89
n-Butylbenzene
Concen: 18.473 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Instrument :
MSVOA_X
ClientSampleId :
VX0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	255820		
92	54.4		27.6	82.8
134	29.2		14.8	44.3

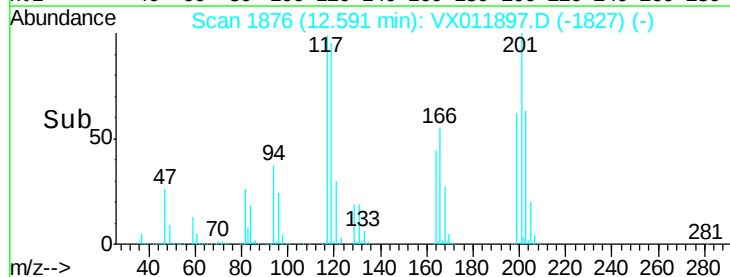
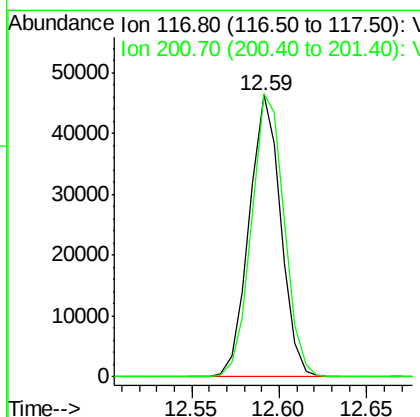
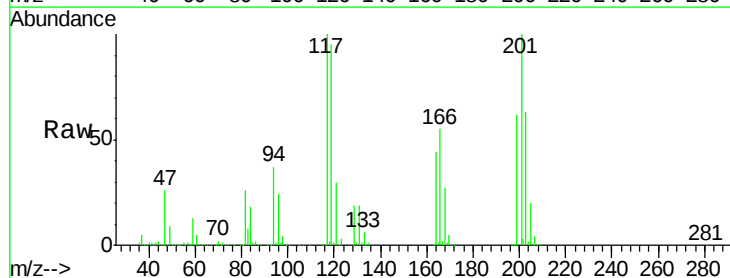
Manual Integrations
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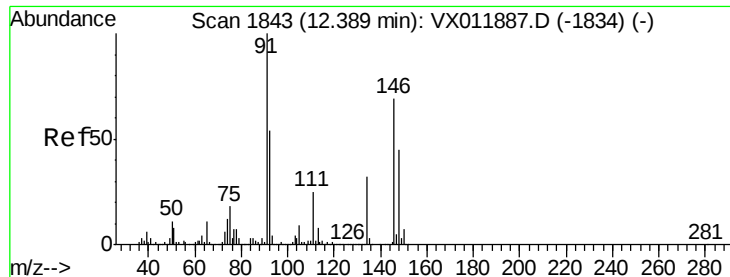
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9/3/2019 2:39:24 AM



#90
Hexachloroethane
Concen: 19.346 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011897.D
Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	58585		
201	103.5		52.8	158.5





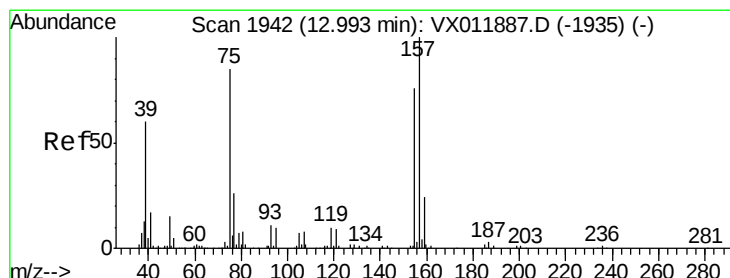
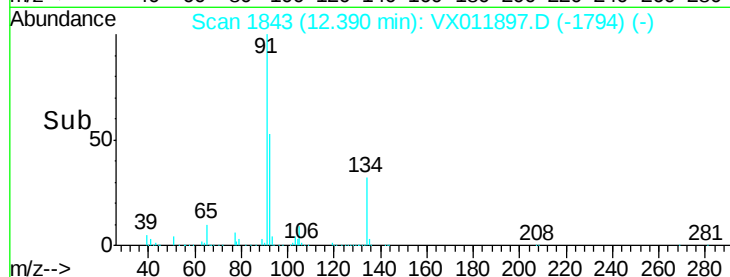
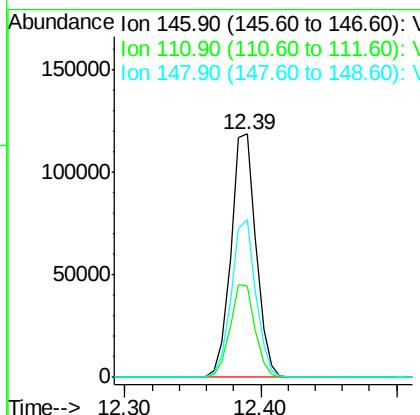
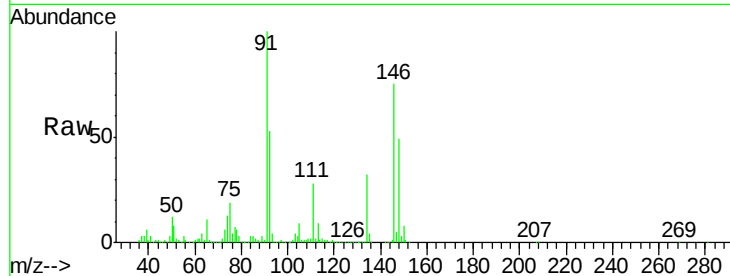
#91
 1,2-Dichlorobenzene
 Concen: 19.045 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	151446		
111	37.9	18.9	56.5	
148	64.0	32.1	96.3	

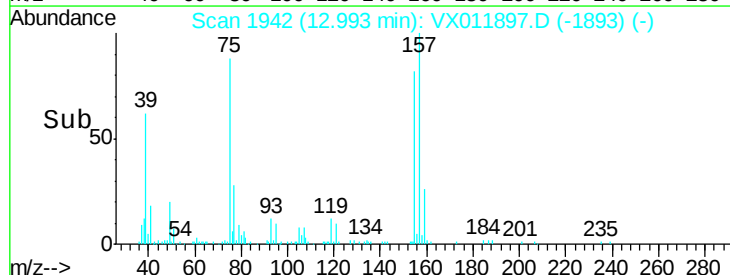
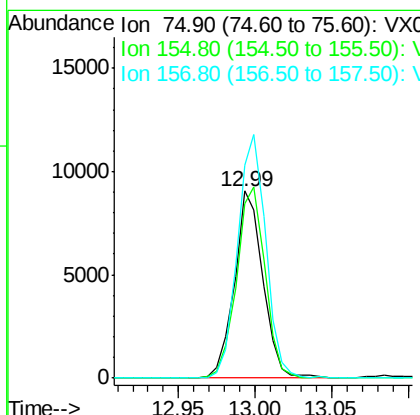
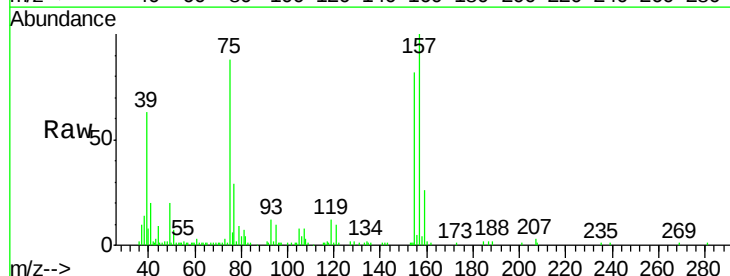
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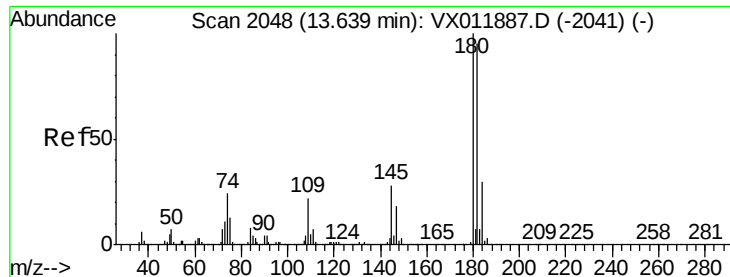
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.003 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11646		
155	102.2	50.1	150.4	
157	129.0	63.9	191.7	





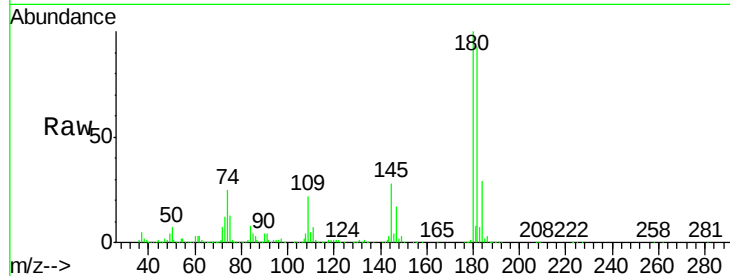
#93
 1,2,4-Trichlorobenzene
 Concen: 19.304 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829SBS01

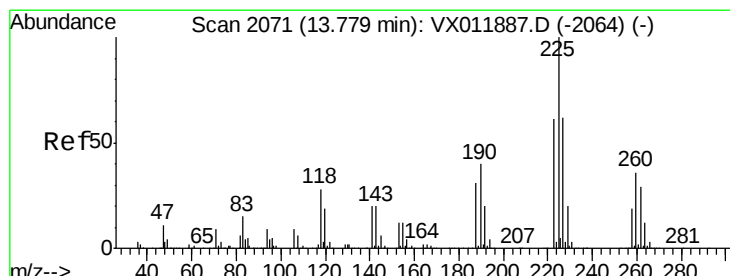
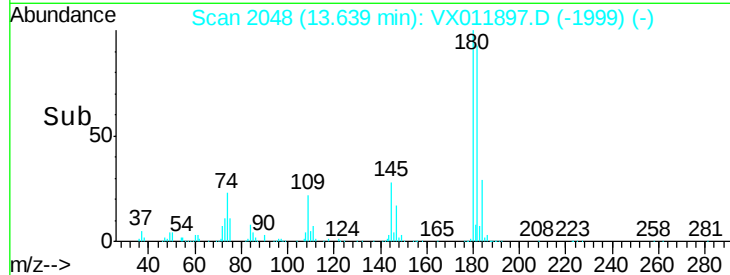
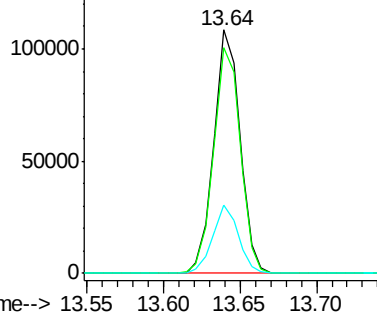
Tot Ion:	180	Resp:	129254
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.1	144.4
145	27.5	13.8	41.3

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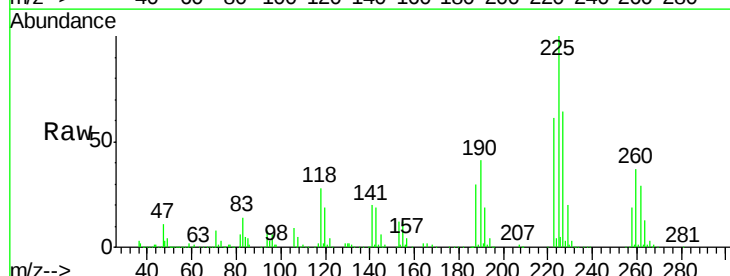


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

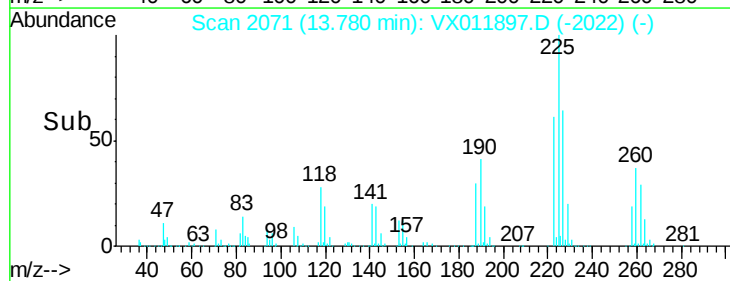
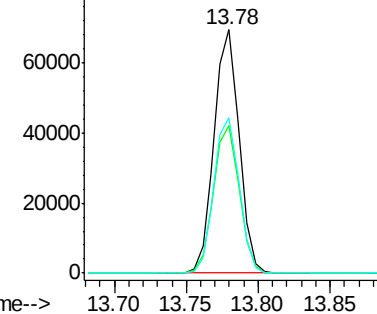


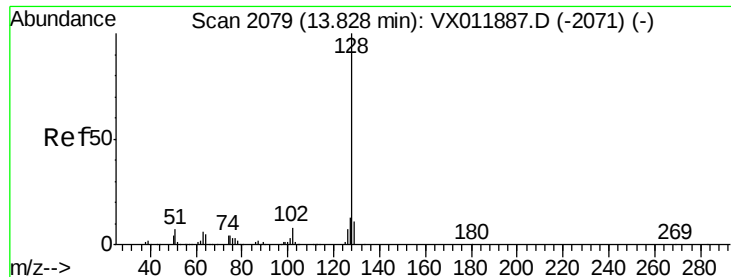
#94
 Hexachlorobutadiene
 Concen: 18.689 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011897.D
 Acq: 30 Aug 2019 04:01

Tgt Ion:	225	Resp:	83573
Ion Ratio	Lower	Upper	
225	100		
223	62.1	30.8	92.3
227	64.5	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.265 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Instrument :

MSVOA_X

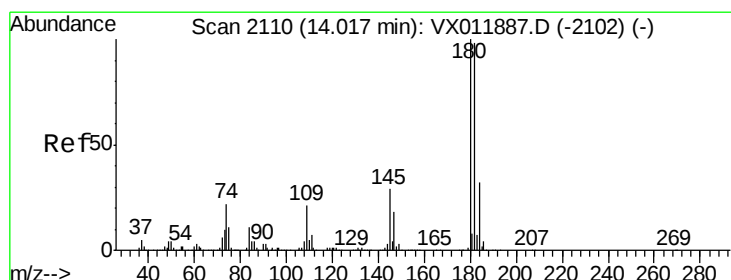
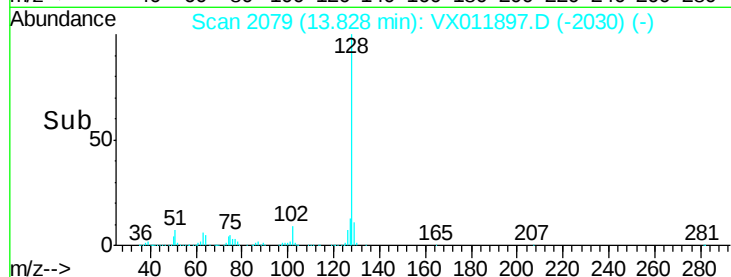
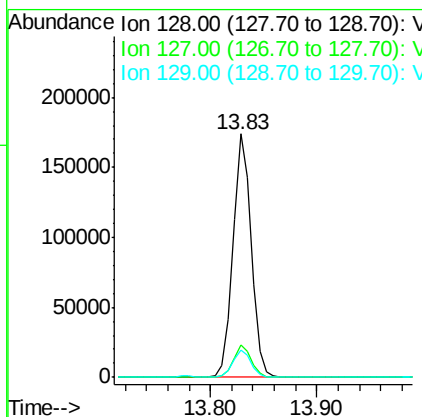
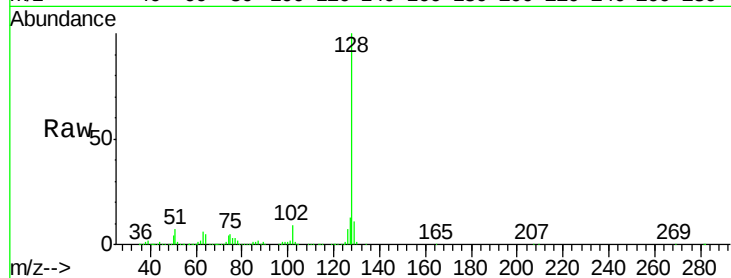
ClientSampleId :

VX0829SBS01

Tot Ion:	128	Resp:	209898
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.1	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 19.469 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011897.D

Acq: 30 Aug 2019 04:01

Tgt Ion:	180	Resp:	117884
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.3	144.8
145	28.8	14.6	43.8

