

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012419\
 Data File : VX007198.D
 Acq On : 24 Jan 2019 12:49
 Operator : JC/SP
 Sample : VX0124WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/25/2019 10:30:33 AM

Quant Time: Jan 25 00:36:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	467008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	687324	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	624413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	315146	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	248649	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
35) Dibromofluoromethane	5.50	113	227330	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	8.71	98	805109	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.13	95	285392	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	70727	18.442	ug/l	99
3) Chloromethane	1.33	50	79616	17.833	ug/l	100
4) Vinyl Chloride	1.41	62	90623	18.870	ug/l	99
5) Bromomethane	1.64	94	91165	17.768	ug/l	94
6) Chloroethane	1.72	64	61273	18.272	ug/l	99
7) Trichlorofluoromethane	1.93	101	148517	19.139	ug/l	98
8) Diethyl Ether	2.19	74	61984	20.078	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	90162	19.408	ug/l	99
10) Methyl Iodide	2.51	142	125211	19.981	ug/l	99
11) Tert butyl alcohol	3.07	59	129758	112.705	ug/l	98
12) 1,1-Dichloroethene	2.38	96	81998	19.104	ug/l	99
13) Acrolein	2.29	56	60801	124.023	ug/l	98
14) Allyl chloride	2.73	41	147982	20.117	ug/l	99
15) Acrylonitrile	3.15	53	288291	109.078	ug/l	99
16) Acetone	2.45	43	259350	107.488	ug/l	99
17) Carbon Disulfide	2.57	76	169075	15.300	ug/l	97
18) Methyl Acetate	2.78	43	157241	22.503	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	306946	20.604	ug/l	98
20) Methylene Chloride	2.86	84	96055	20.598	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	88948	18.596	ug/l	97
22) Diisopropyl ether	3.87	45	281521	20.357	ug/l	96
23) Vinyl Acetate	3.82	43	1140314	97.777	ug/l	99
24) 1,1-Dichloroethane	3.70	63	152417	19.711	ug/l	98
25) 2-Butanone	4.70	43	367366	106.409	ug/l	99
26) 2,2-Dichloropropane	4.59	77	109986	18.497	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	101058	19.155	ug/l	98
28) Bromochloromethane	5.02	49	67746	19.996	ug/l	94
29) Tetrahydrofuran	5.15	42	237388	105.805	ug/l	96
30) Chloroform	5.22	83	164016	20.259	ug/l	100
31) Cyclohexane	5.58	56	123284	17.913	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	136104	19.833	ug/l	98
36) 1,1-Dichloropropene	5.80	75	113643	19.017	ug/l	99
37) Ethyl Acetate	4.86	43	133281	20.804	ug/l	99
38) Carbon Tetrachloride	5.78	117	114768	19.089	ug/l	93

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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	134634	17.673	ug/l	96
40) Benzene	6.14	78	359712	19.728	ug/l	97
41) Methacrylonitrile	5.07	41	72826	19.733	ug/l	97
42) 1,2-Dichloroethane	6.20	62	124949	19.830	ug/l	99
43) Isopropyl Acetate	6.46	43	206759	20.460	ug/l	98
44) Trichloroethene	7.21	130	106118	19.422	ug/l	97
45) 1,2-Dichloropropane	7.51	63	92826	20.250	ug/l	99
46) Dibromomethane	7.66	93	64930	20.154	ug/l	97
47) Bromodichloromethane	7.90	83	111199	20.278	ug/l	97
48) Methyl methacrylate	7.77	41	105134	20.259	ug/l	98
49) 1,4-Dioxane	7.75	88	51689	431.268	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	717962	110.552	ug/l	98
52) Toluene	8.79	92	228372	19.487	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	119394	19.635	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	131844	19.634	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	100995	21.530	ug/l	97
56) Ethyl methacrylate	9.18	69	139472	20.367	ug/l	94
57) 1,3-Dichloropropane	9.37	76	161302	20.989	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	352242	100.041	ug/l	100
59) 2-Hexanone	9.49	43	541433	109.401	ug/l	99
60) Dibromochloromethane	9.59	129	95601	20.988	ug/l	98
61) 1,2-Dibromoethane	9.67	107	105653	20.459	ug/l	99
64) Tetrachloroethene	9.34	164	107312	19.851	ug/l	96
65) Chlorobenzene	10.14	112	266918	19.599	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	96228	21.004	ug/l	99
67) Ethyl Benzene	10.25	91	427388	19.009	ug/l	99
68) m/p-Xylenes	10.36	106	337982	38.156	ug/l	99
69) o-Xylene	10.70	106	166489	19.272	ug/l	99
70) Styrene	10.71	104	266983	19.514	ug/l	99
71) Bromoform	10.86	173	70261	20.249	ug/l	# 100
73) Isopropylbenzene	11.02	105	441975	19.889	ug/l	99
74) N-amyl acetate	10.90	43	178493	19.950	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	150567	21.342	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	137386m	21.513	ug/l	
77) Bromobenzene	11.26	156	122055	19.934	ug/l	99
78) n-propylbenzene	11.36	91	484331	19.854	ug/l	99
79) 2-Chlorotoluene	11.42	91	293322	19.974	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	358668	19.316	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	35817	19.427	ug/l	92
82) 4-Chlorotoluene	11.51	91	331500	19.497	ug/l	100
83) tert-Butylbenzene	11.77	119	366966	19.808	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	372995	19.976	ug/l	100
85) sec-Butylbenzene	11.94	105	440935	19.929	ug/l	100
86) p-Isopropyltoluene	12.07	119	389294	19.671	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	215786	19.498	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	214600	20.551	ug/l	100
89) n-Butylbenzene	12.39	91	319286	18.926	ug/l	98
90) Hexachloroethane	12.60	117	57806	20.140	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	215820	19.760	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29019	20.798	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	142195	18.977	ug/l	99
94) Hexachlorobutadiene	13.79	225	67441	20.282	ug/l	99
95) Naphthalene	13.83	128	452374	19.923	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	147295	19.788	ug/l	98

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

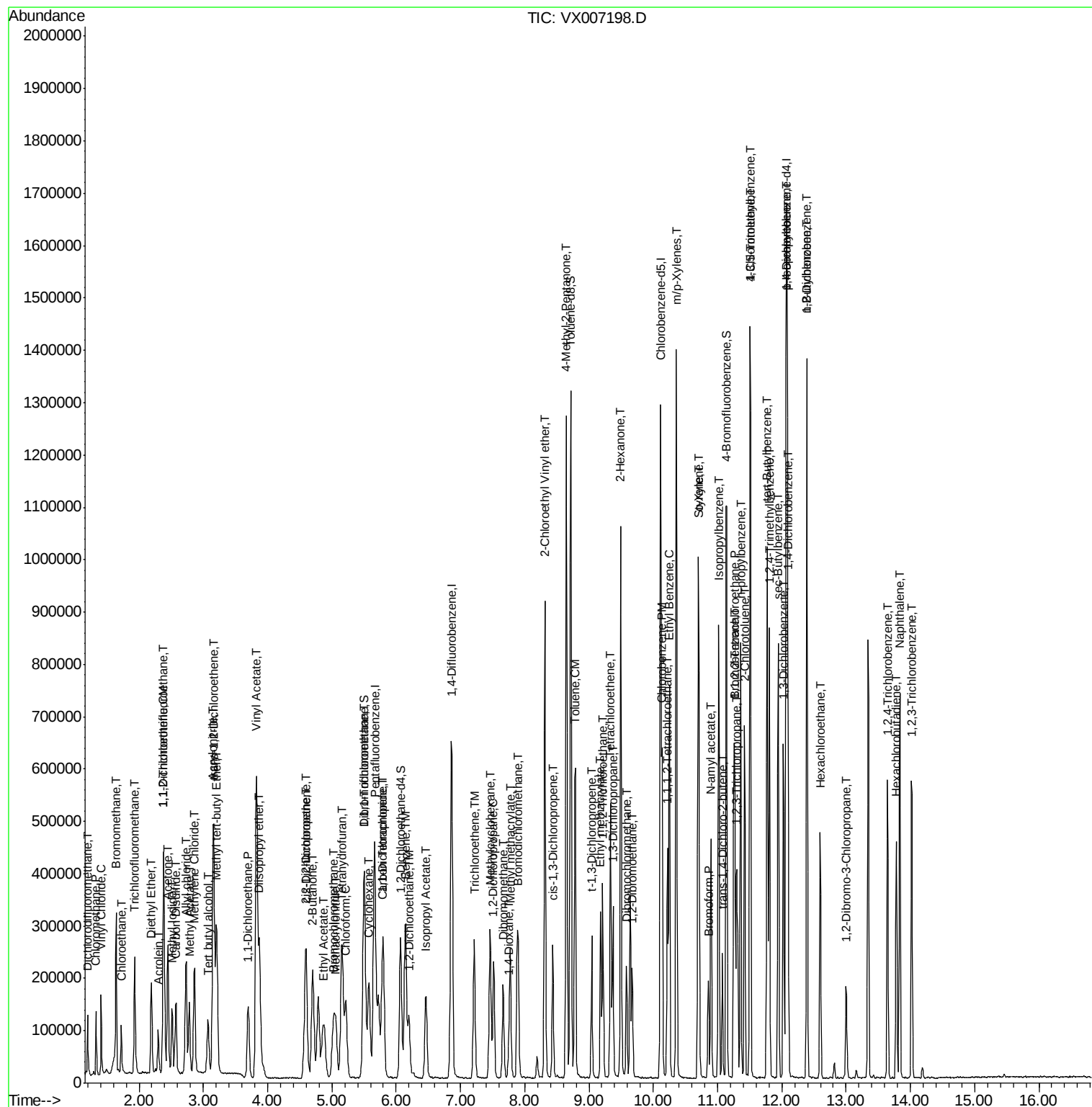
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Data File : VX007198.D
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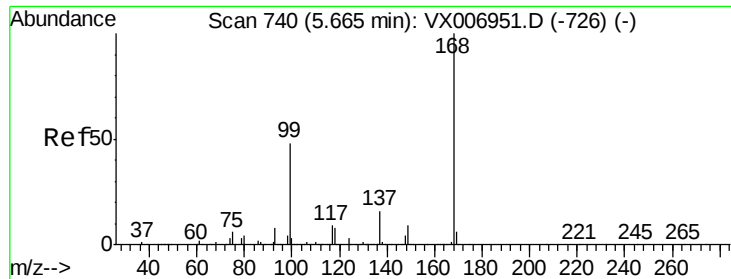
Instrument :
MSVOA_X
Client Sample ID :
VX0124WBS01

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion:168 Resp: 467008

Ion Ratio Lower Upper

168 100

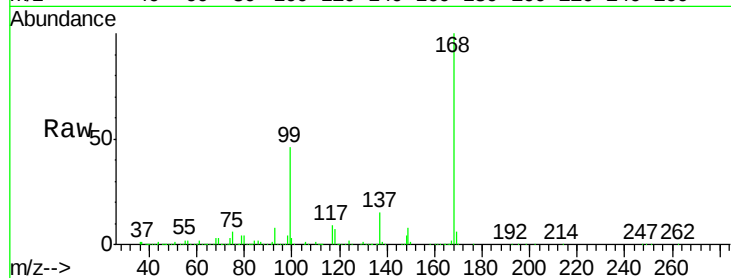
99 45.8 41.8 62.8

Manual Integrations

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1/25/2019 10:30:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

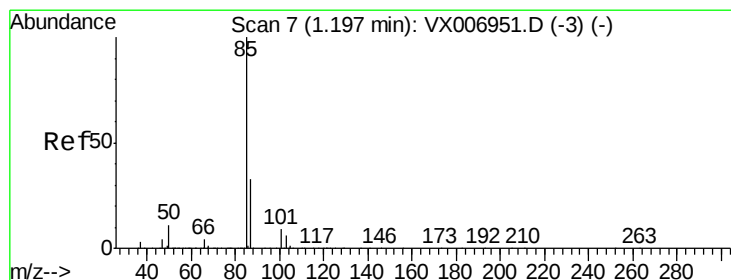
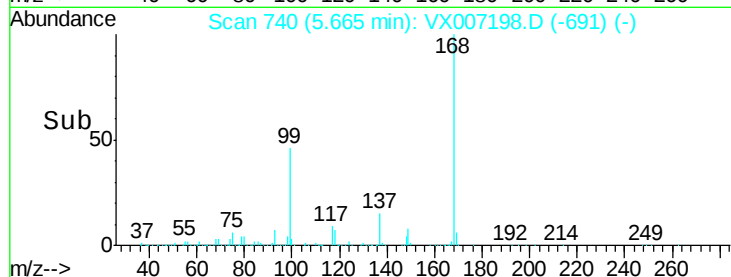
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.442 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007198.D

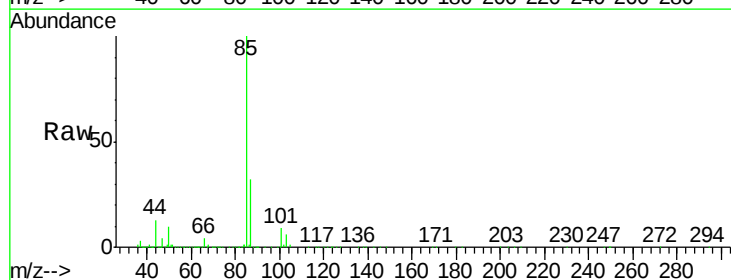
Acq: 24 Jan 2019 12:49

Tgt Ion: 85 Resp: 70727

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

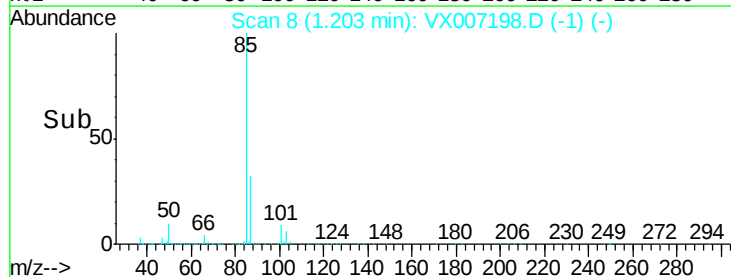
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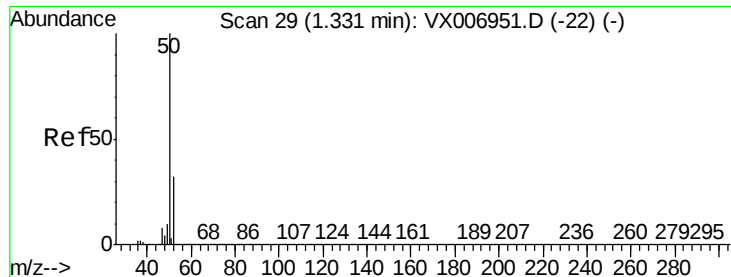
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.833 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 50 Resp: 79616

Ion Ratio Lower Upper

50 100

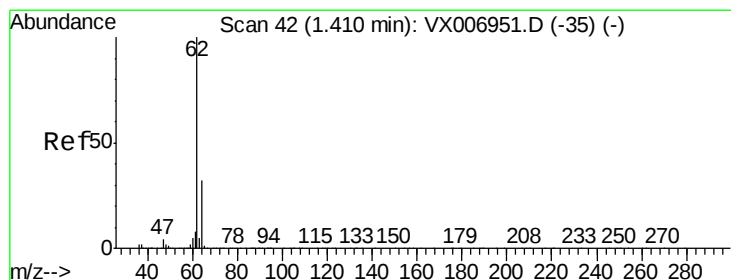
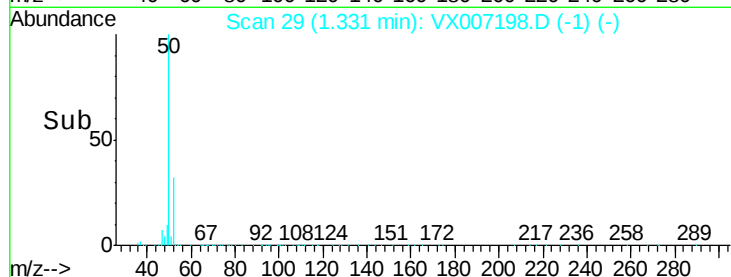
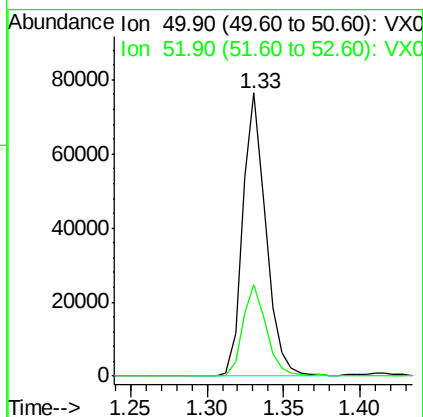
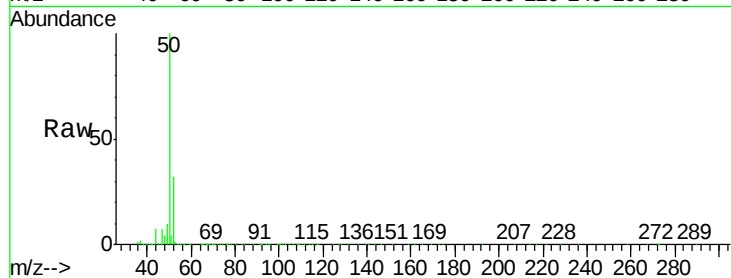
52 32.0 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.870 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007198.D

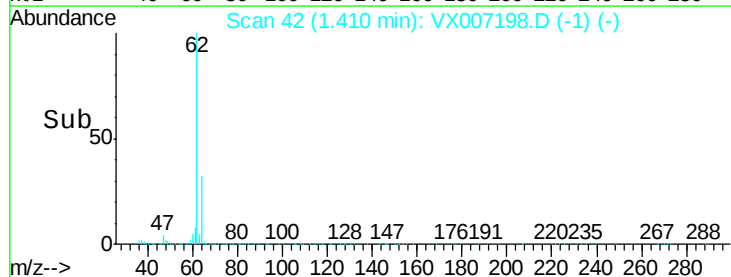
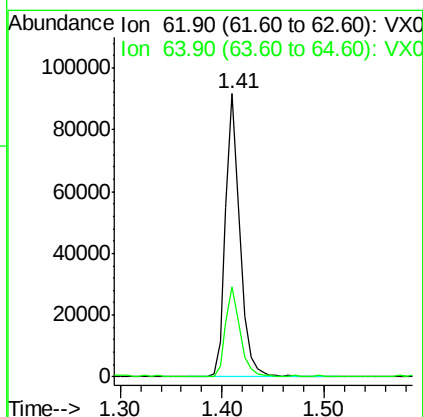
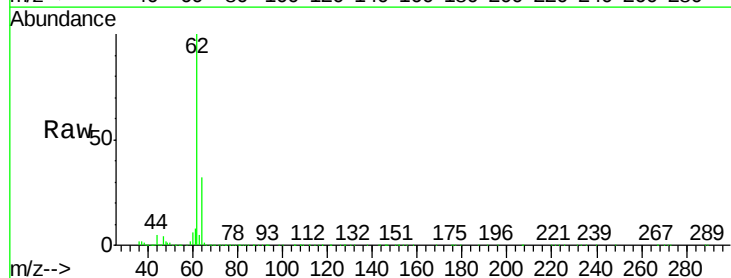
Acq: 24 Jan 2019 12:49

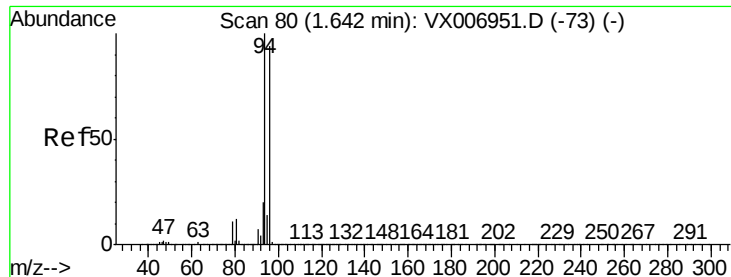
Tgt Ion: 62 Resp: 90623

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7





#5

Bromomethane

Concen: 17.768 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 94 Resp: 91165

Ion Ratio Lower Upper

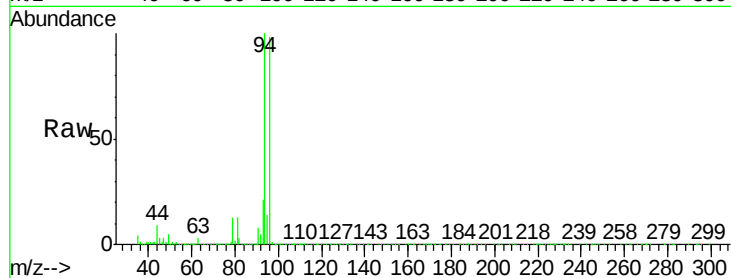
94 100

96 97.4 73.4 110.2

Manual Integrations
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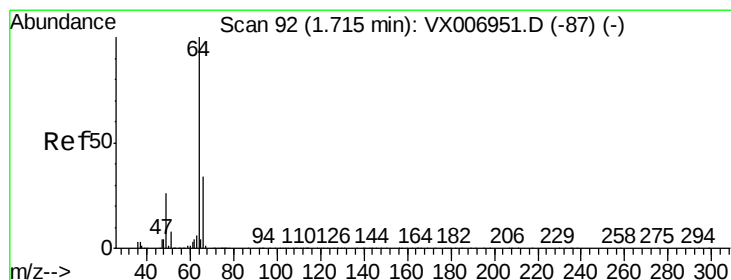
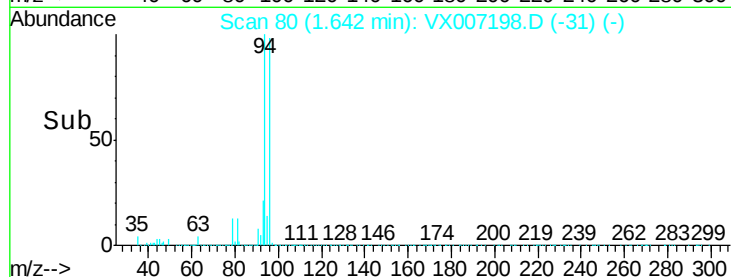
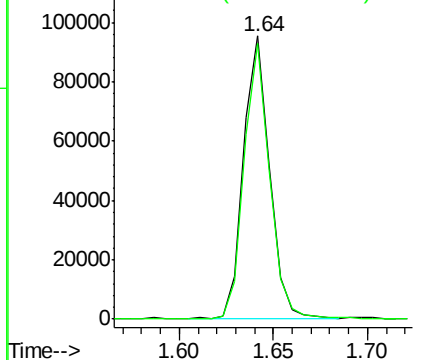
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.272 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007198.D

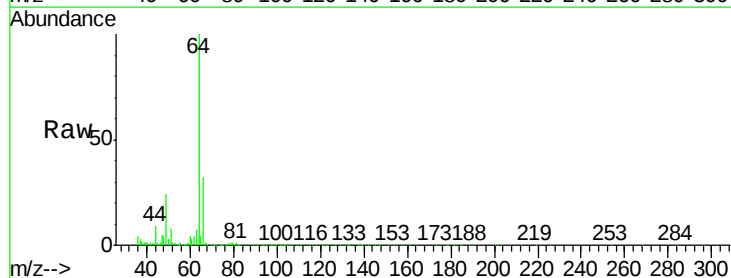
Acq: 24 Jan 2019 12:49

Tgt Ion: 64 Resp: 61273

Ion Ratio Lower Upper

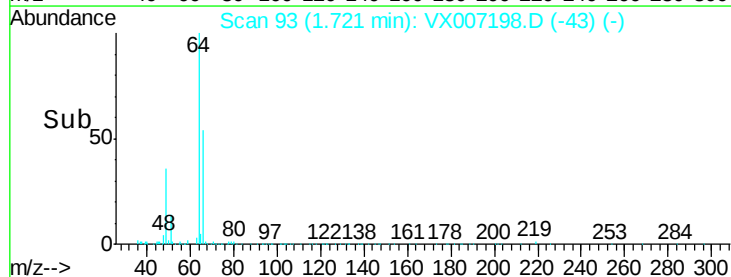
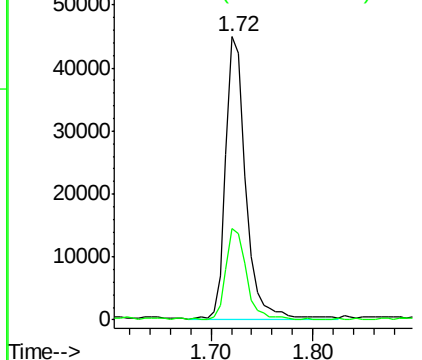
64 100

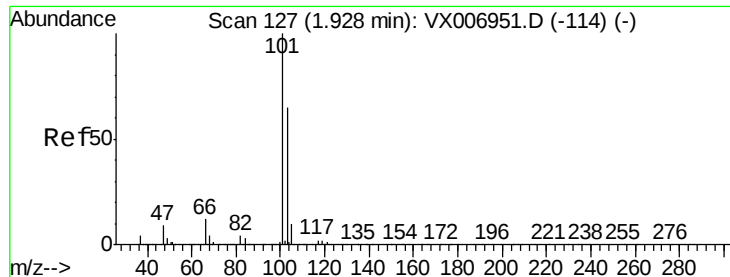
66 32.2 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

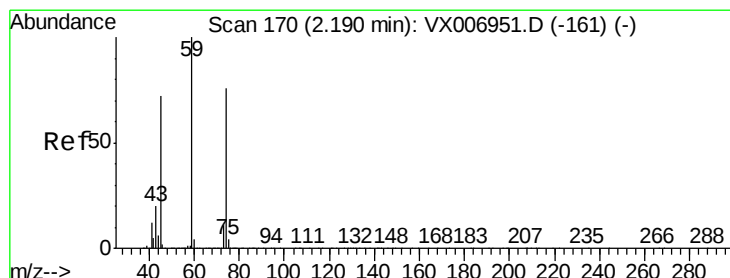
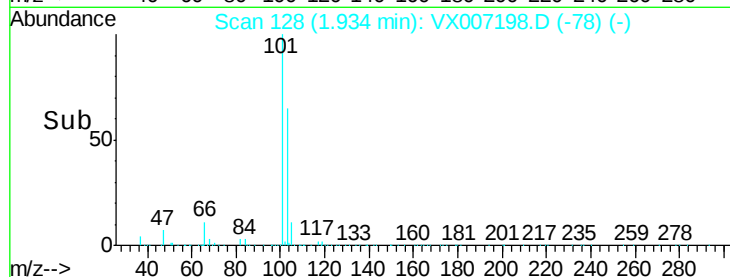
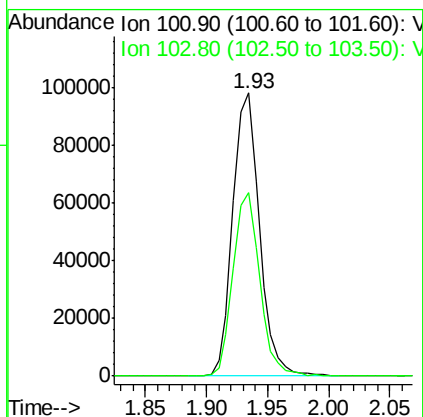
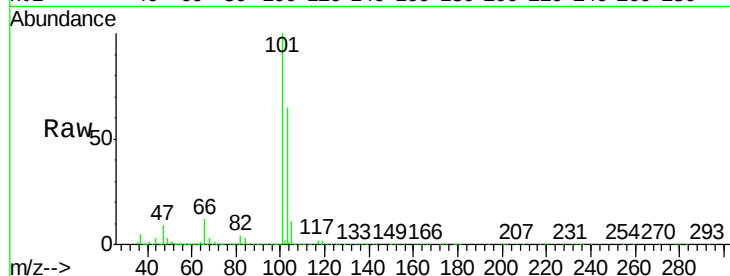
Trichlorofluoromethane
Concen: 19.139 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
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ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.2	79.8

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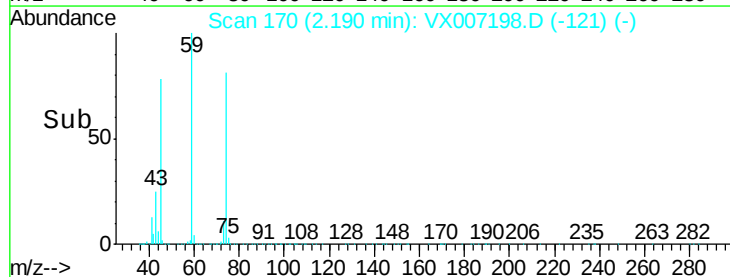
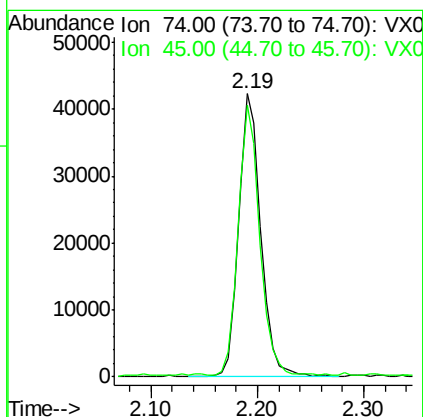
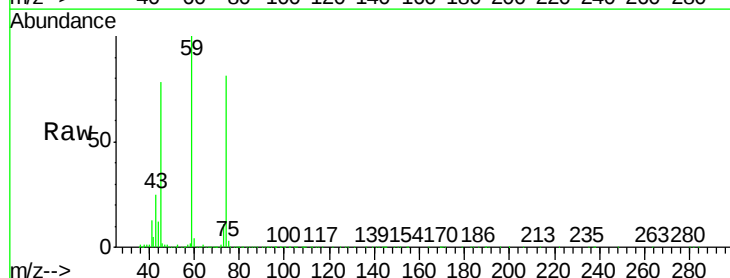
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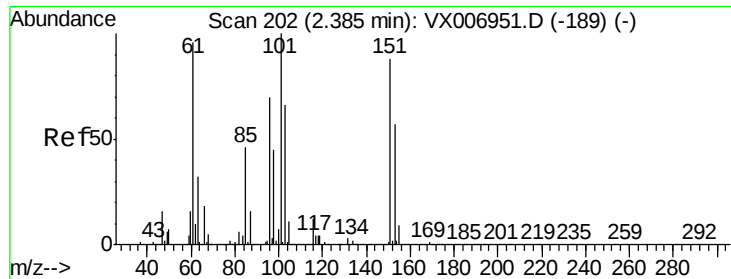


#8

Diethyl Ether
Concen: 20.078 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.408 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

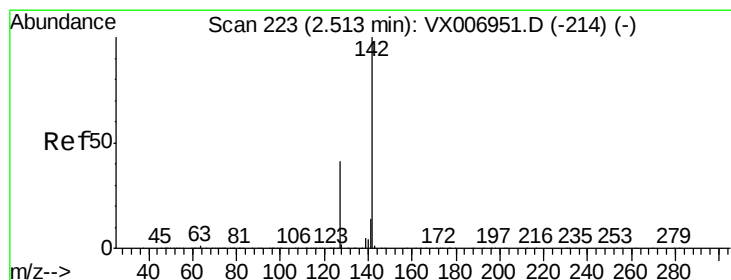
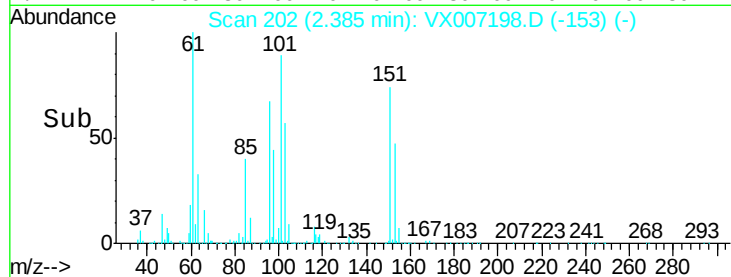
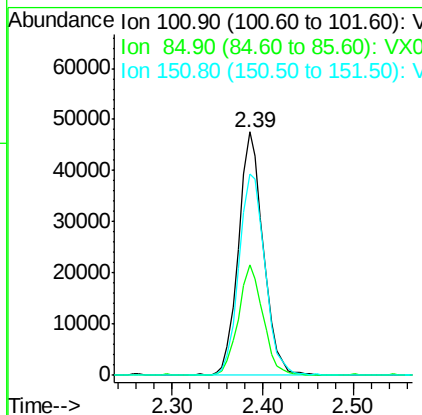
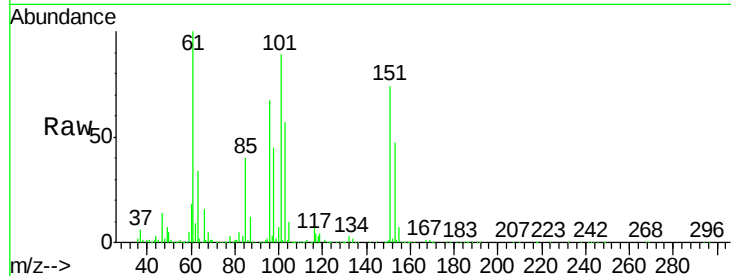
ClientSampleId :

VX0124WBS01

Tot Ion:	101	Resp:	90162
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.1	52.7
151	86.8	68.9	103.3

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#10

Methyl Iodide

Concen: 19.981 ug/l

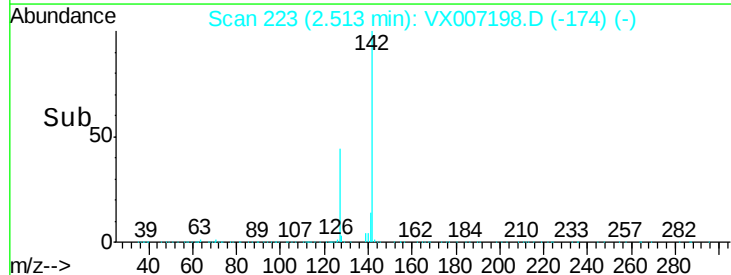
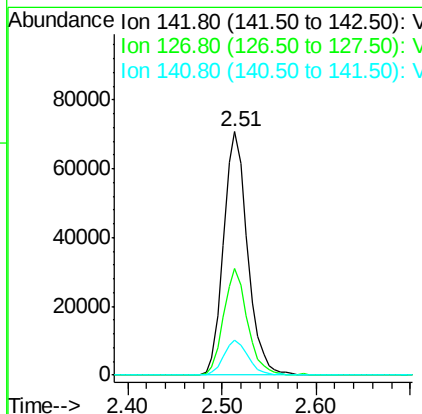
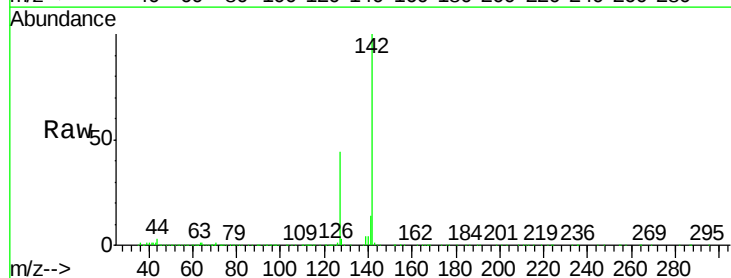
RT: 2.51 min Scan# 223

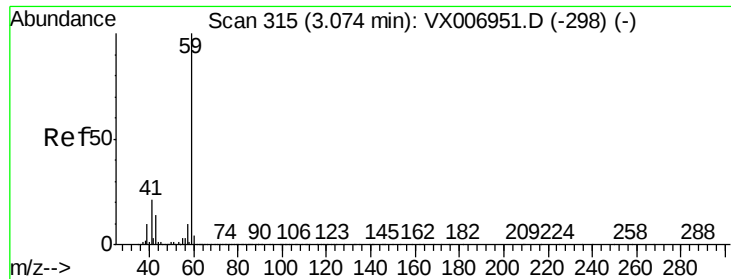
Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Tgt Ion:	142	Resp:	125211
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.9	50.9
141	14.5	11.4	17.0





#11

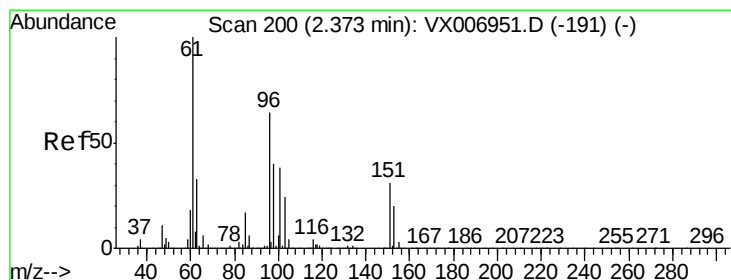
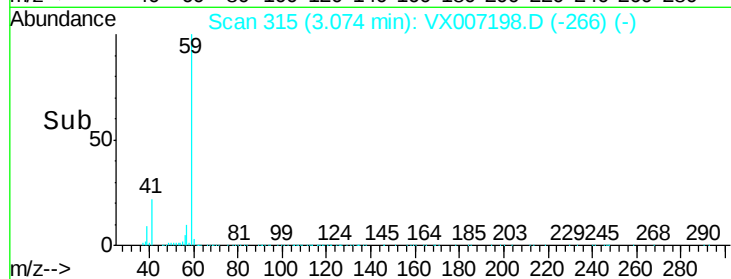
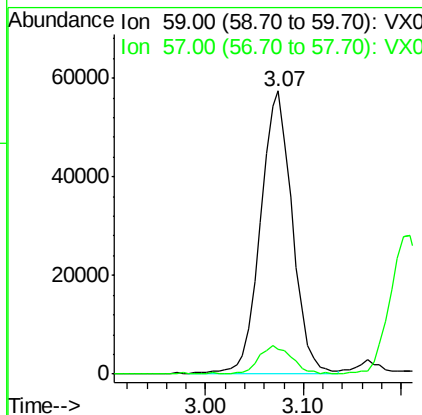
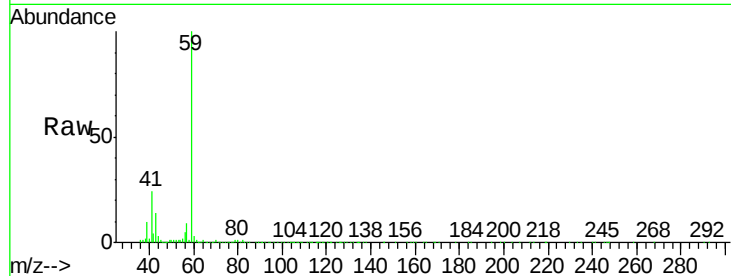
Tert butyl alcohol
Concen: 112.705 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

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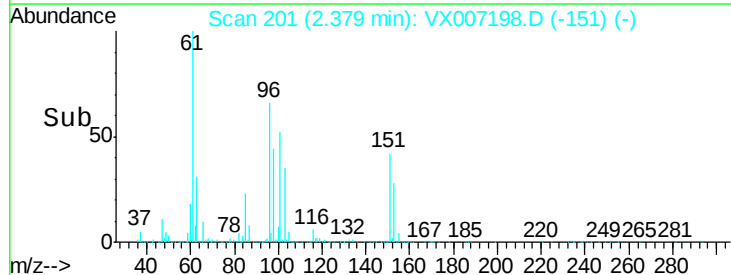
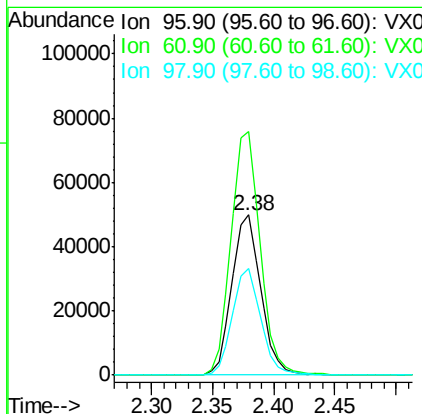
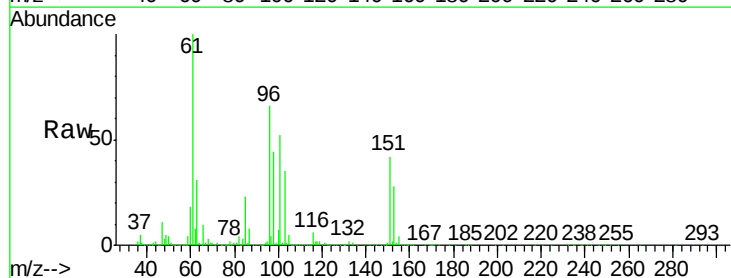
MMDadoda
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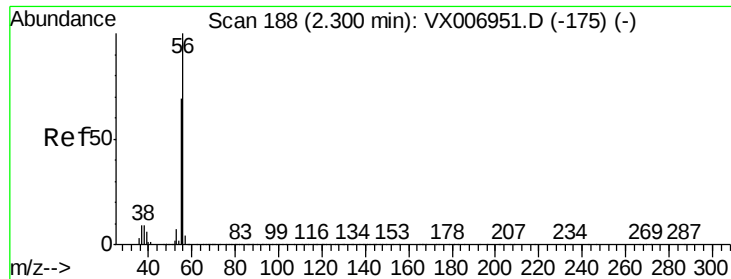


#12

1,1-Dichloroethene
Concen: 19.104 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	121.4	182.2
98	66.1	51.9	77.9





#13

Acrolein

Concen: 124.023 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 56 Resp: 60801

Ion Ratio Lower Upper

56 100

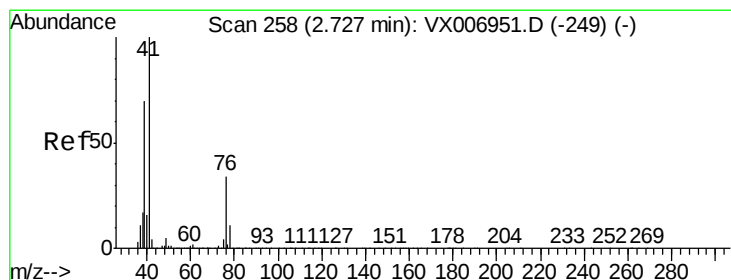
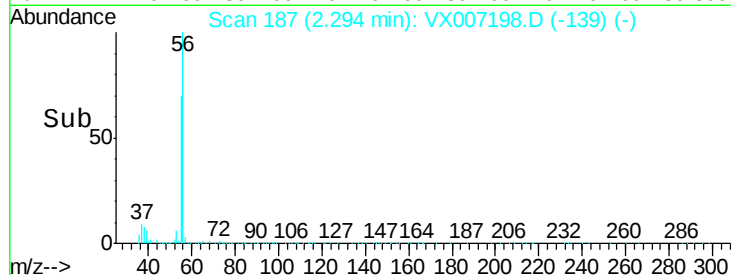
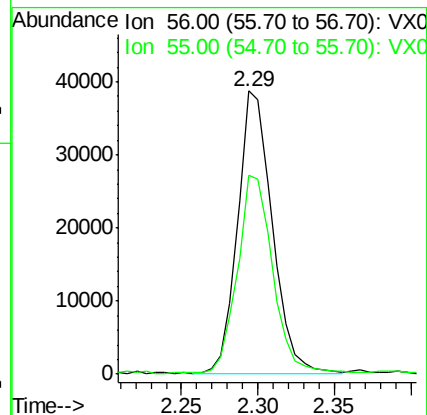
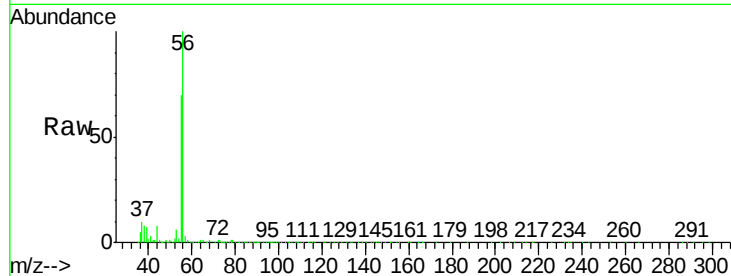
55 71.3 58.2 87.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.117 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

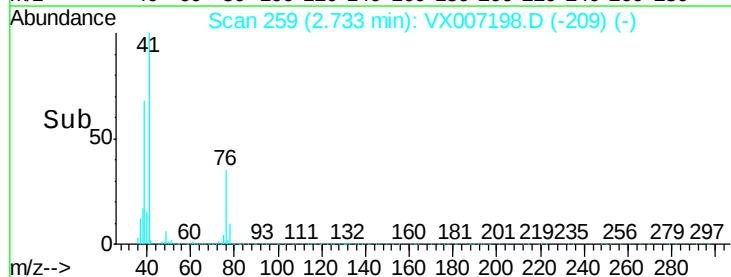
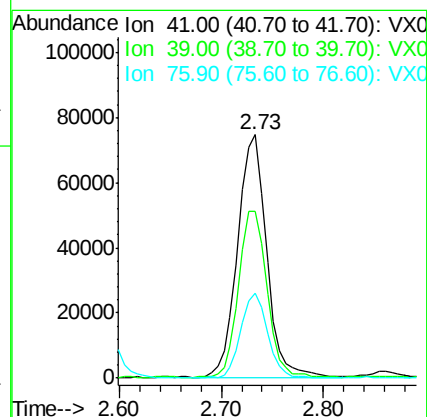
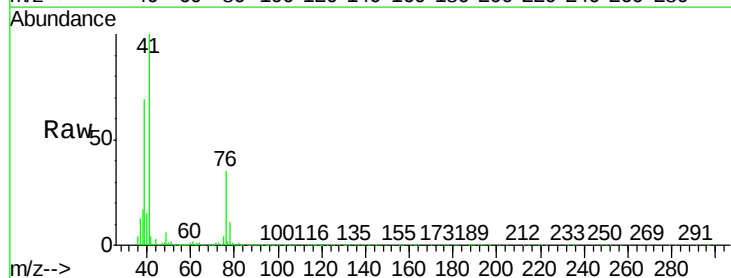
Tgt Ion: 41 Resp: 147982

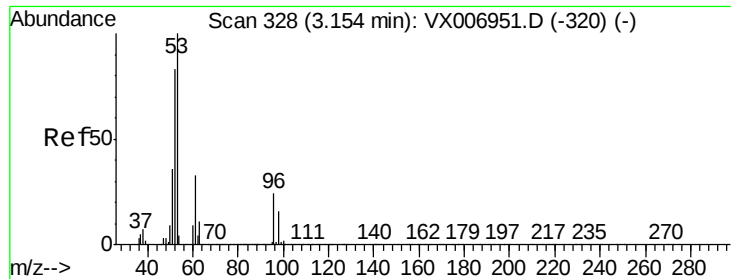
Ion Ratio Lower Upper

41 100

39 67.1 53.6 80.4

76 32.2 27.4 41.2





#15

Acrylonitrile

Concen: 109.078 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

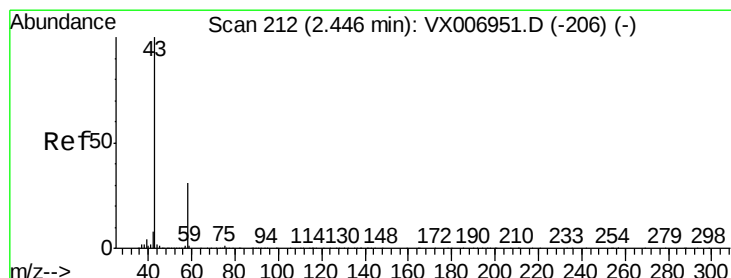
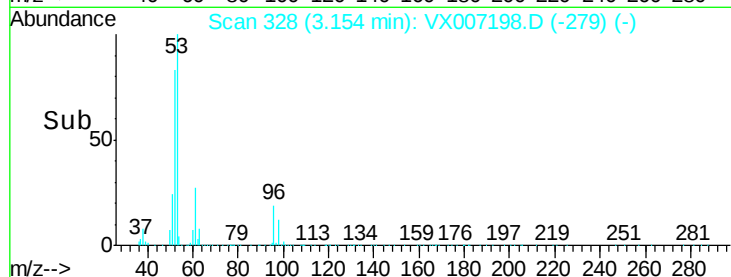
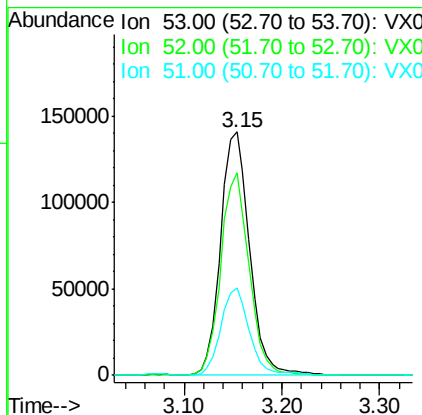
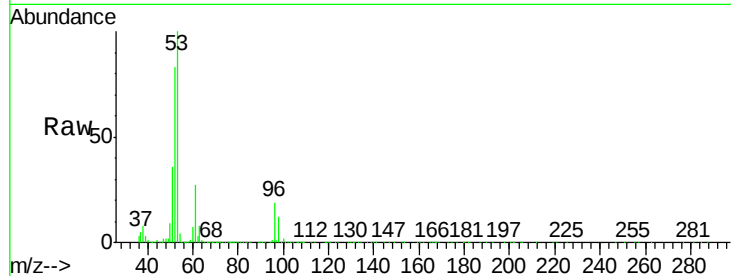
ClientSampleId :

VX0124WBS01

Tot Ion:	53	Resp:	288291
Ion Ratio		Lower	Upper
53	100		
52	81.1	66.0	99.0
51	35.5	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 107.488 ug/l

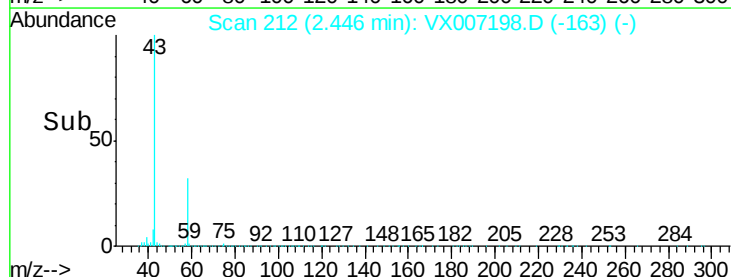
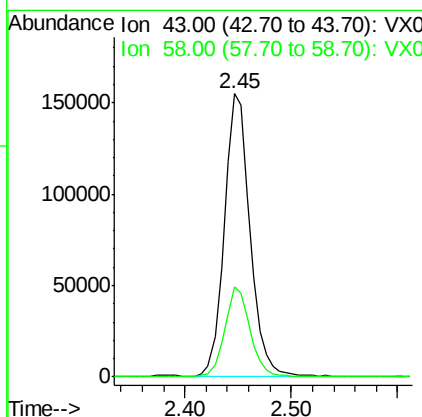
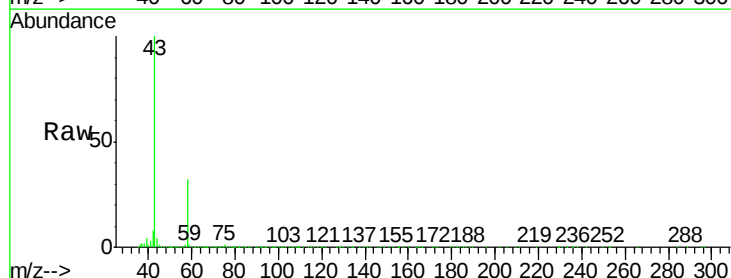
RT: 2.45 min Scan# 212

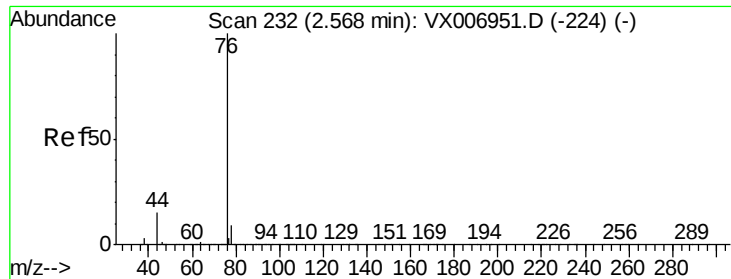
Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Tgt Ion:	43	Resp:	259350
Ion Ratio		Lower	Upper
43	100		
58	32.0	25.0	37.6





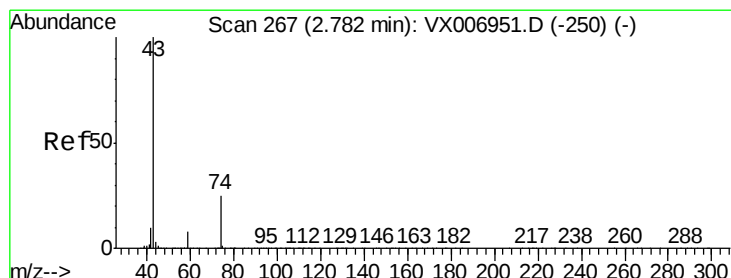
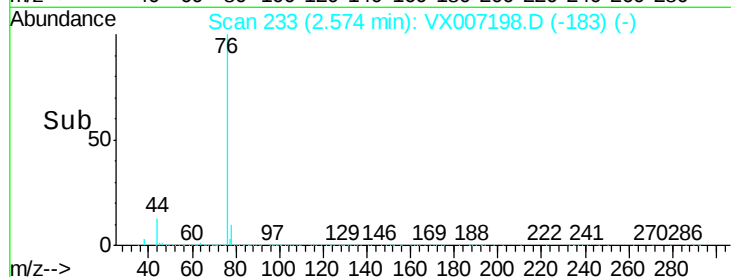
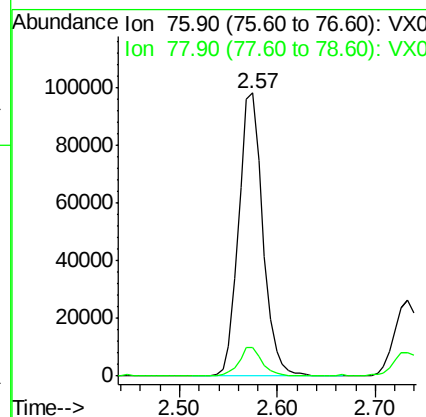
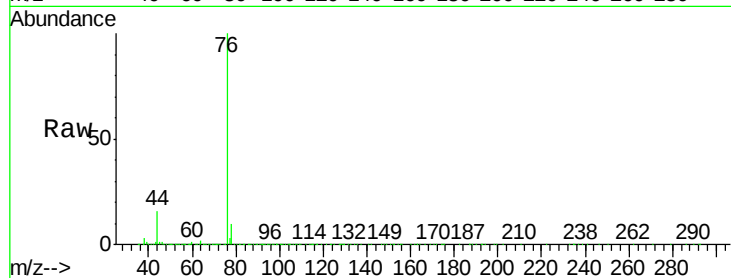
#17
Carbon Disulfide
Concen: 15.300 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

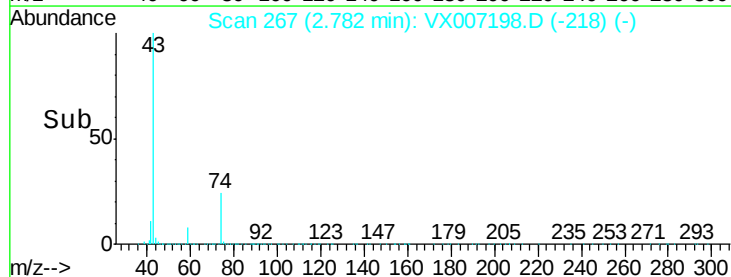
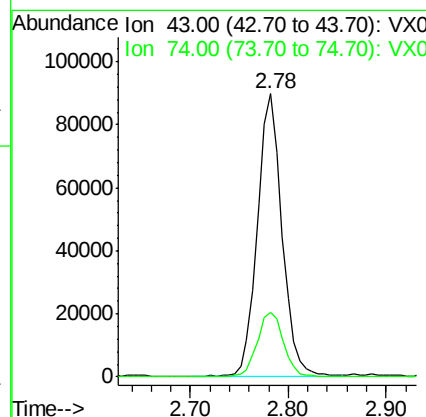
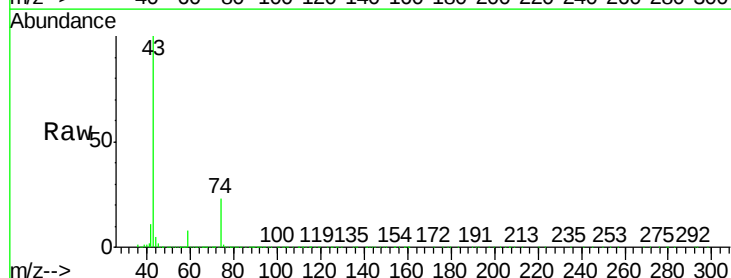
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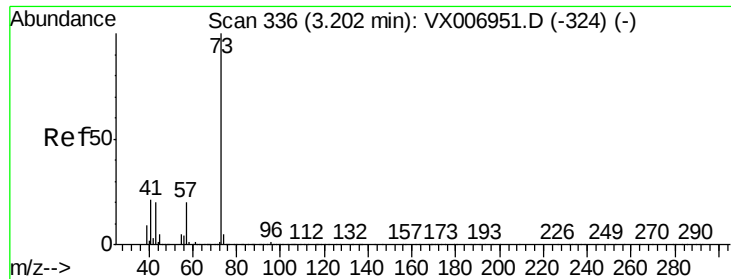
MMDadoda
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#18
Methyl Acetate
Concen: 22.503 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.6	28.0





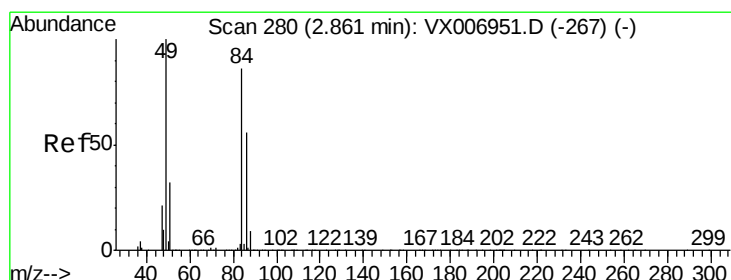
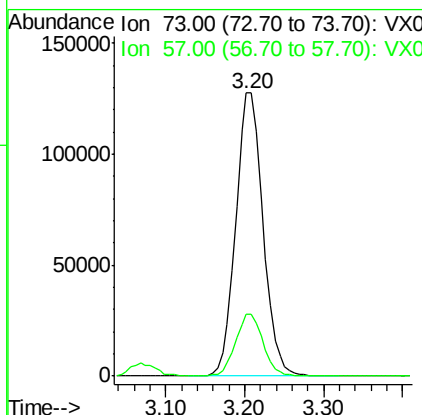
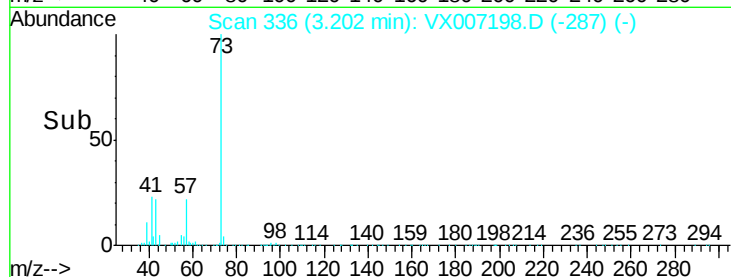
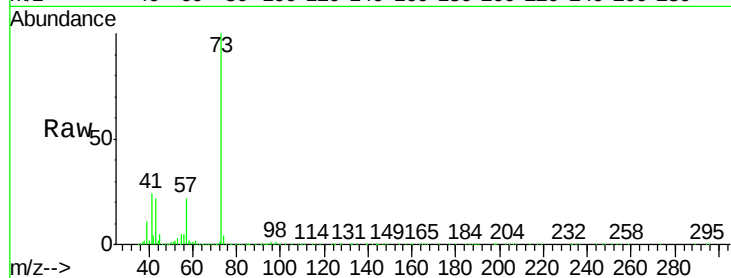
#19
Methvl tert-butvl Ether
Concen: 20.604 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	16.8	25.2

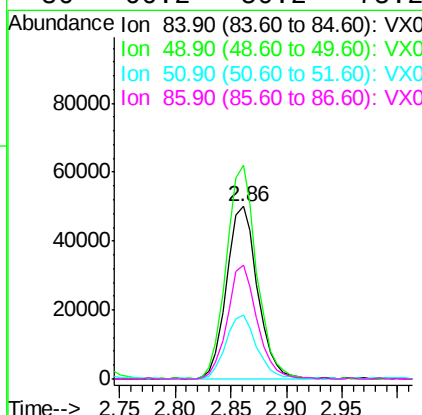
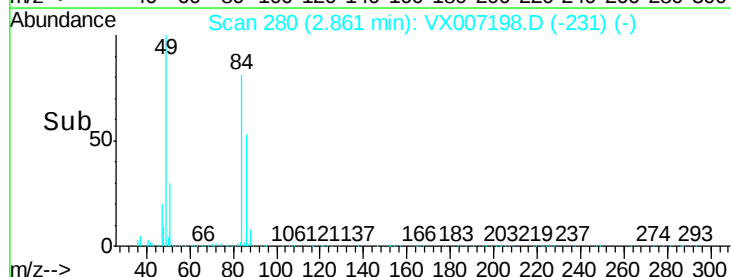
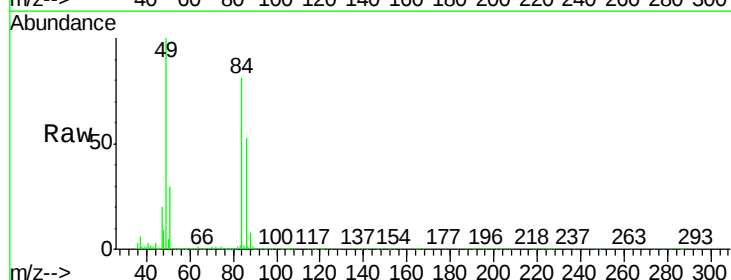
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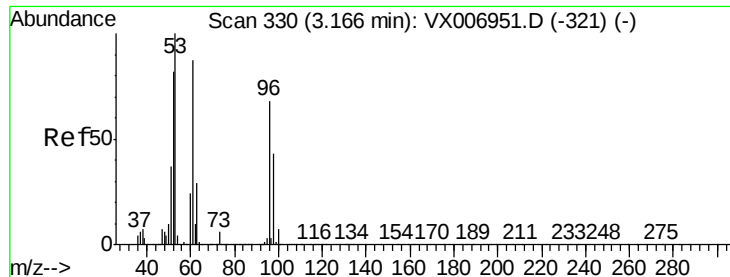
MMDadoda
1/25/2019 10:30:33 AM



#20
Methylene Chloride
Concen: 20.598 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.7	91.8	137.6
51	36.6	28.5	42.7
86	66.2	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.596 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

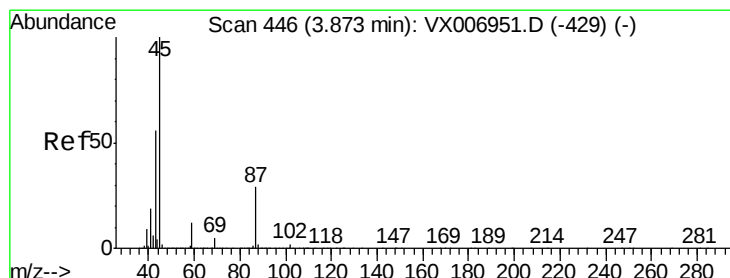
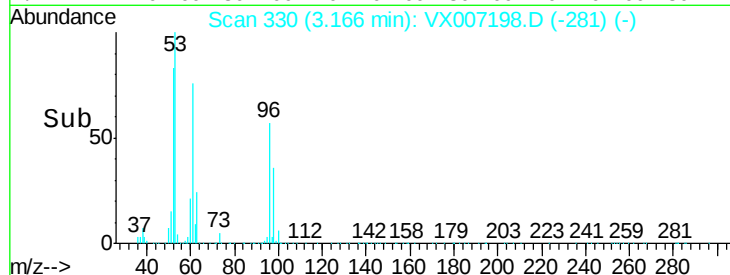
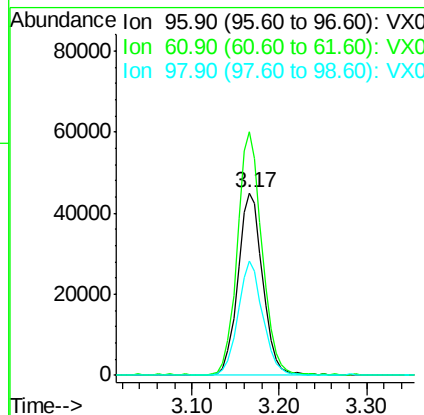
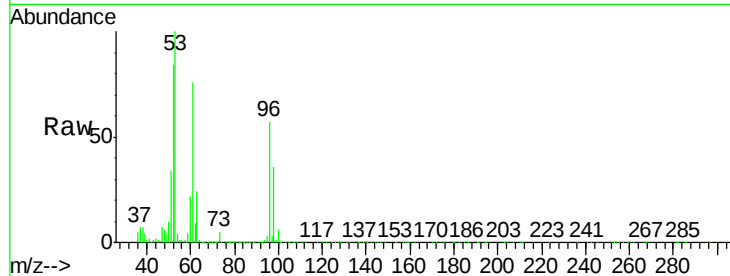
ClientSampled :

VX0124WBS01

Tot Ion:	96	Resp:	88948
Ion	Ratio	Lower	Upper
96	100		
61	133.1	103.7	155.5
98	62.3	51.0	76.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.357 ug/l

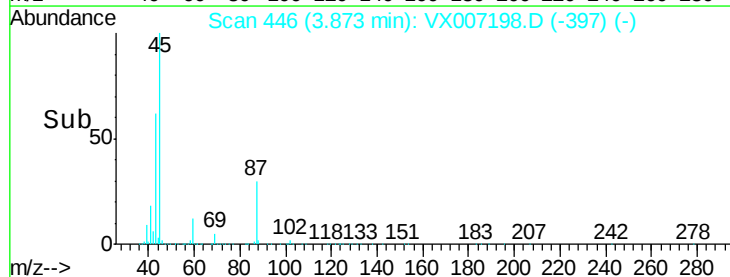
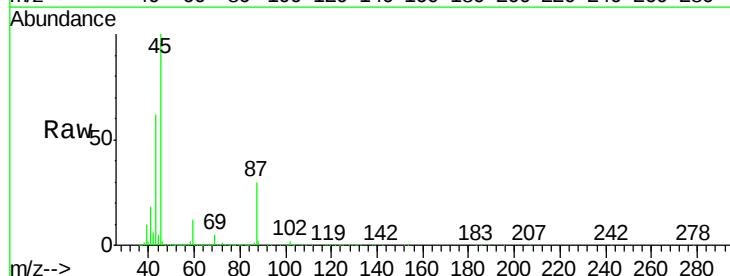
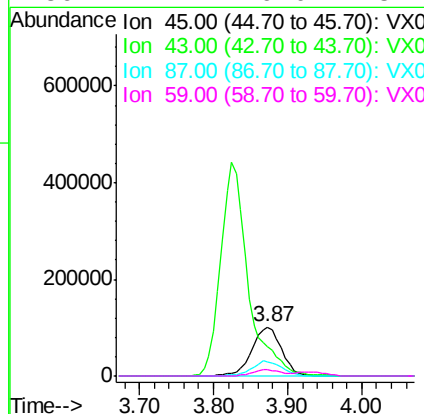
RT: 3.87 min Scan# 446

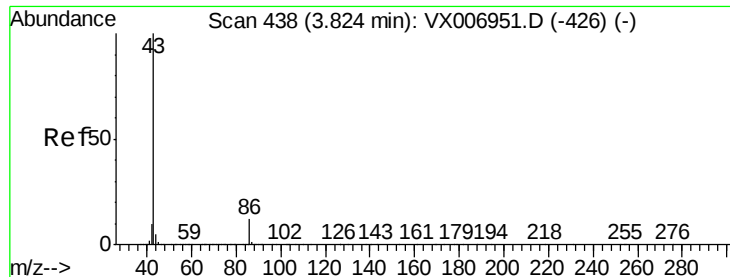
Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Tgt Ion:	45	Resp:	281521
Ion	Ratio	Lower	Upper
45	100		
43	61.3	51.2	76.8
87	29.7	25.8	38.6
59	12.2	9.0	13.4





#23

Vinyl Acetate

Concen: 97.777 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 43 Resp: 1140314

Ion Ratio Lower Upper

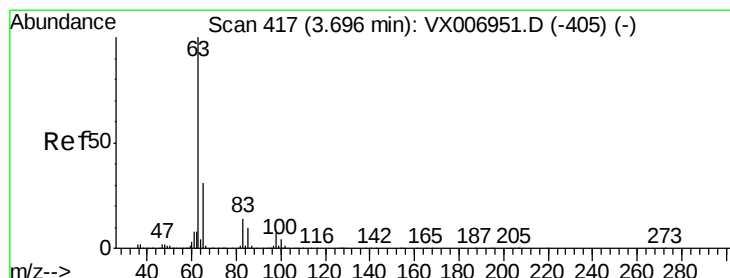
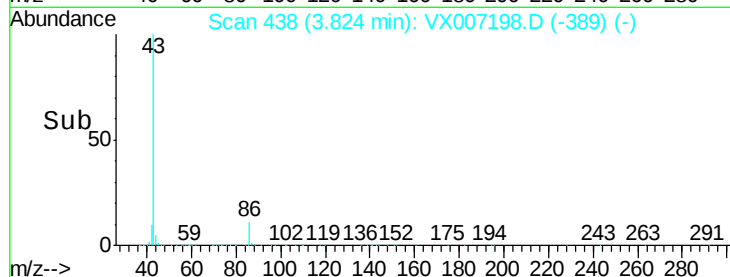
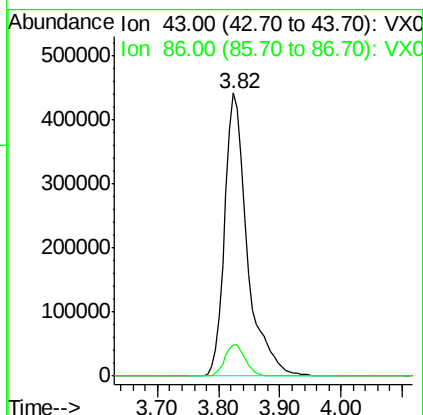
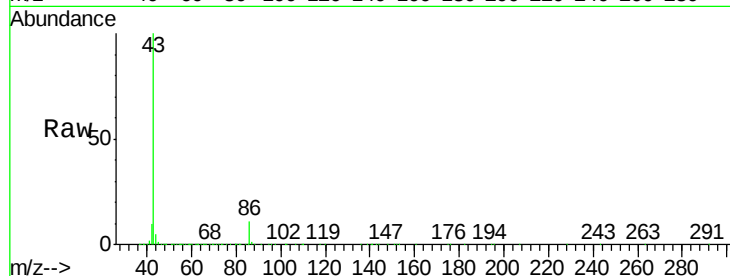
43 100

86 11.0 9.2 13.8

Manual Integrations
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1/25/2019 10:30:33 AM



#24

1,1-Dichloroethane

Concen: 19.711 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

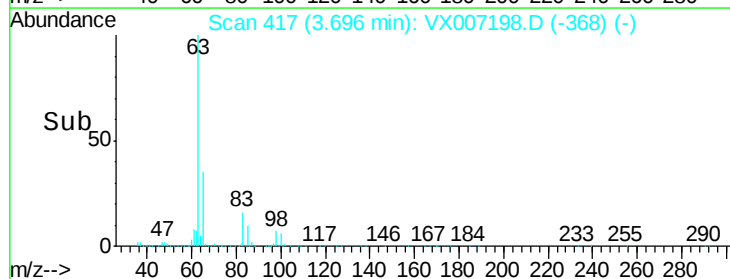
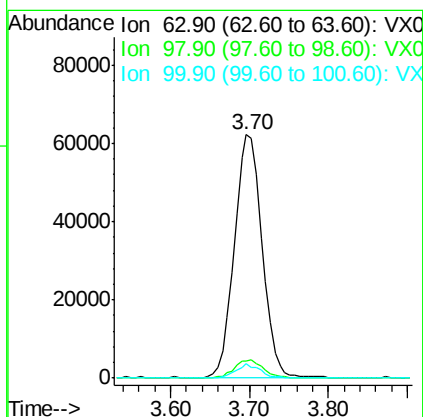
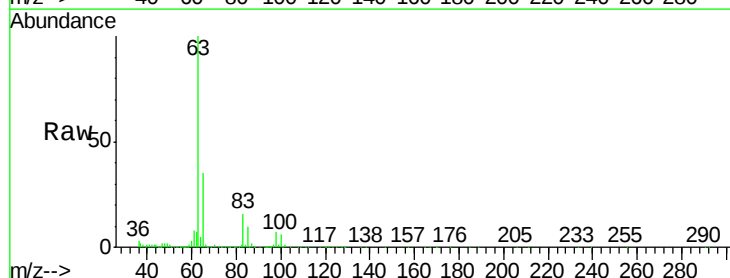
Tgt Ion: 63 Resp: 152417

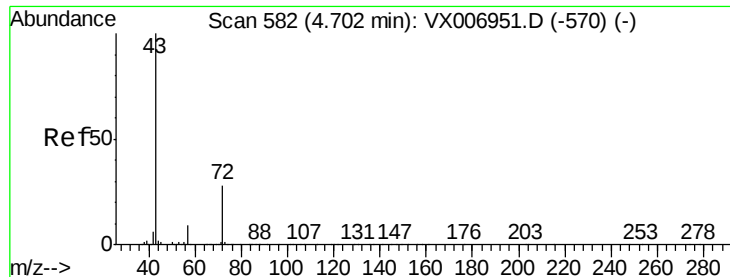
Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.5

100 6.0 2.4 7.2





#25

2-Butanone

Concen: 106.409 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 43 Resp: 367366

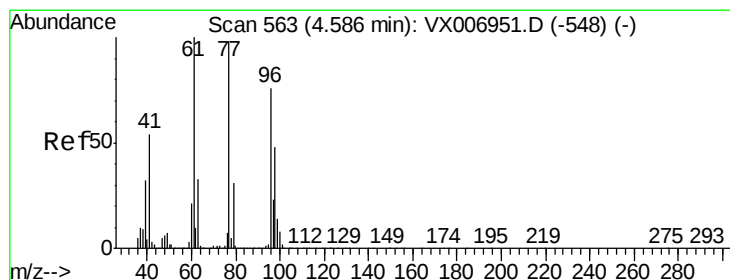
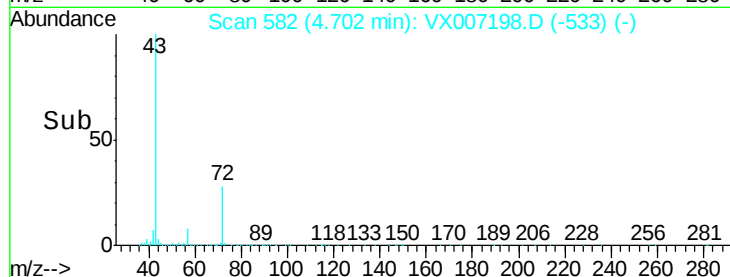
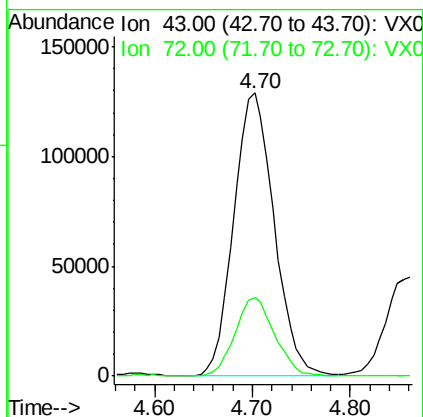
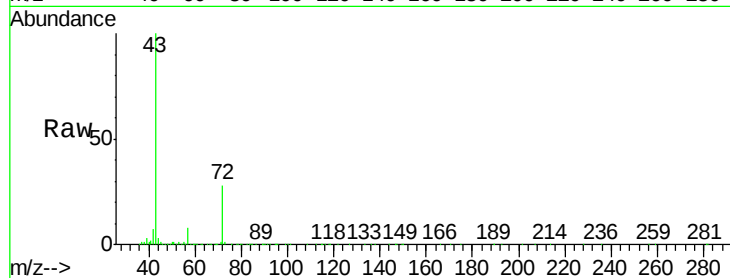
Ion Ratio Lower Upper

43 100

72 27.6 22.4 33.6

Manual Integrations
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1/25/2019 10:30:33 AM



#26

2,2-Dichloropropane

Concen: 18.497 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007198.D

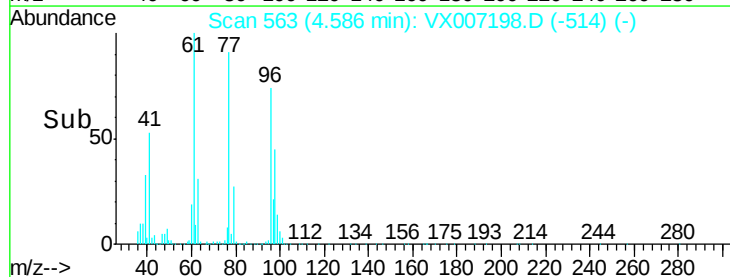
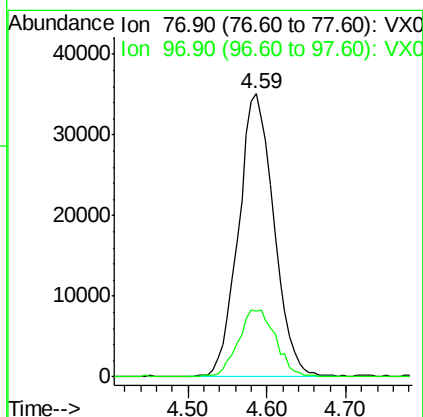
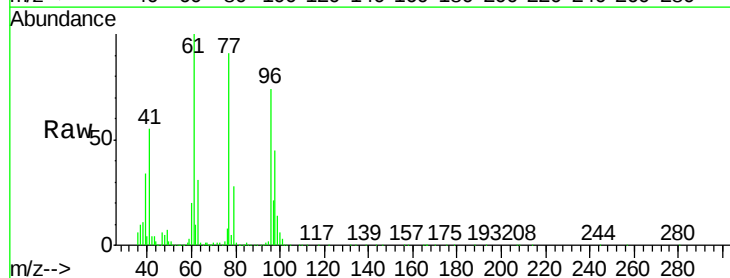
Acq: 24 Jan 2019 12:49

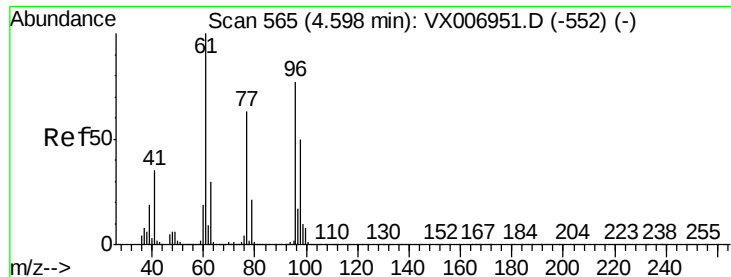
Tgt Ion: 77 Resp: 109986

Ion Ratio Lower Upper

77 100

97 25.2 12.4 37.4





#27

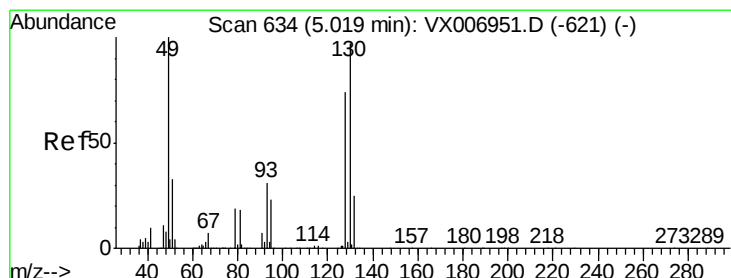
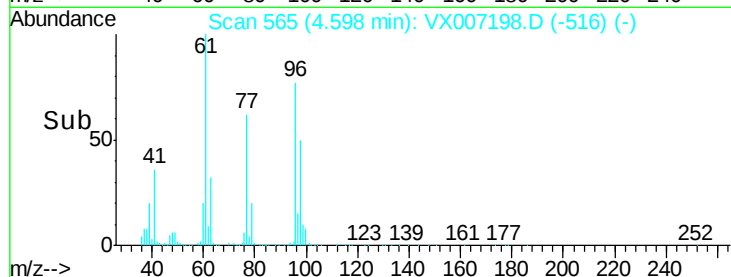
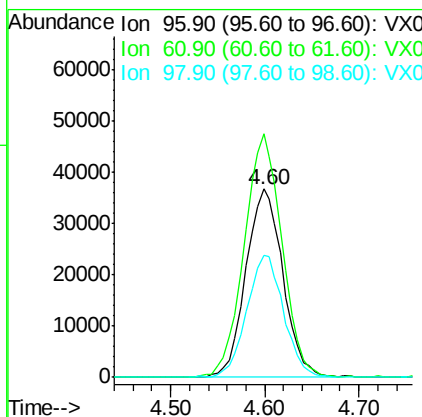
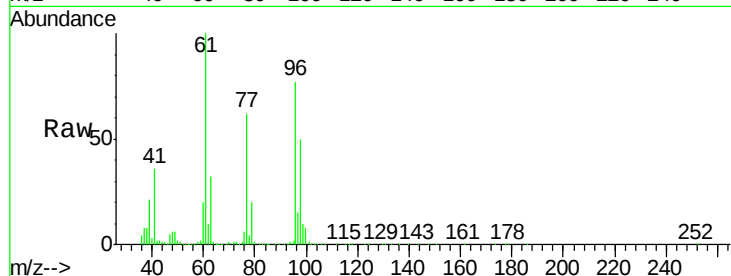
cis-1,2-Dichloroethene
Concen: 19.155 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	101058		
61	131.6	0.0	258.6	
98	65.0	0.0	132.0	

Manual Integrations
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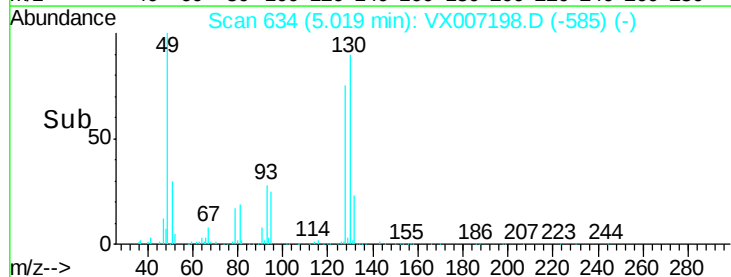
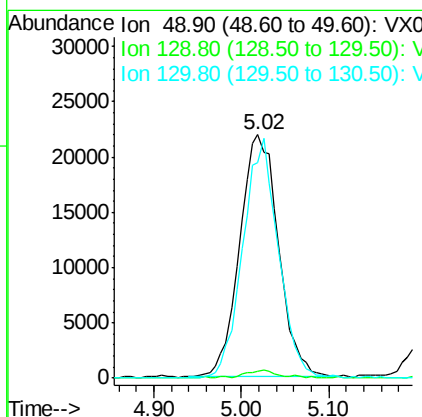
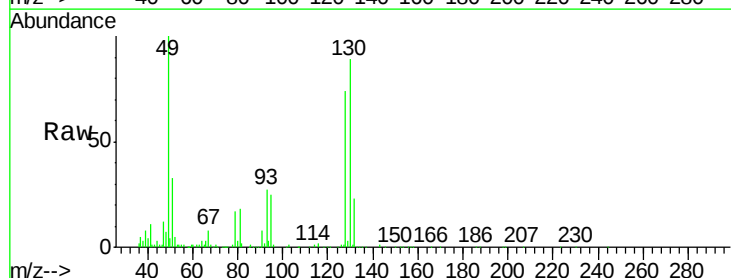
MMDadoda
1/25/2019 10:30:33 AM

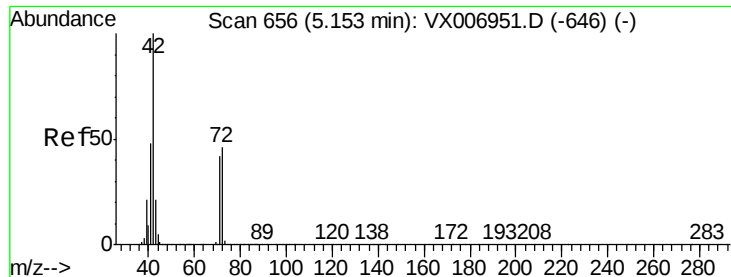


#28

Bromochloromethane
Concen: 19.996 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	67746		
129	2.6	0.0	5.4	
130	90.6	77.7	116.5	





#29

Tetrahydrofuran

Concen: 105.805 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

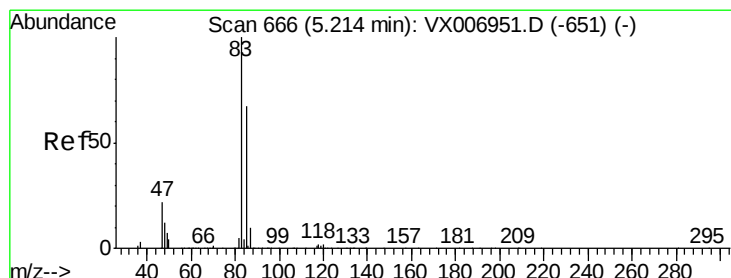
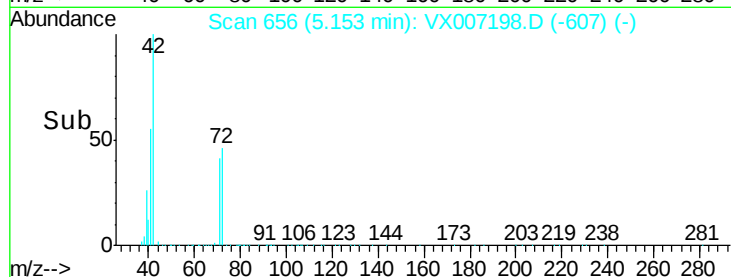
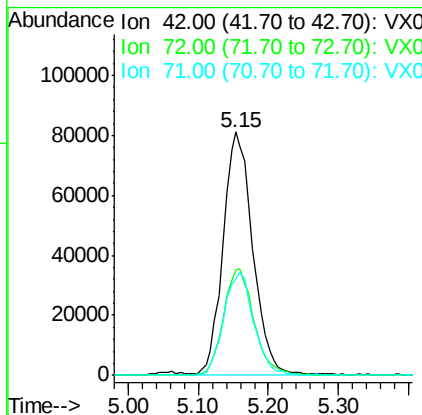
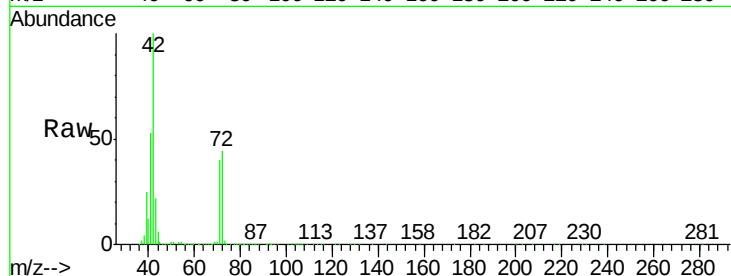
ClientSampleId :

VX0124WBS01

Tot Ion:	42	Resp:	237388
Ion Ratio		Lower	Upper
42	100		
72	45.2	38.9	58.3
71	42.7	36.2	54.4

Manual Integrations
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#30

Chloroform

Concen: 20.259 ug/l

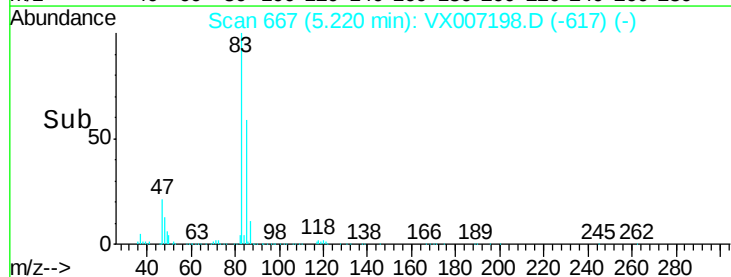
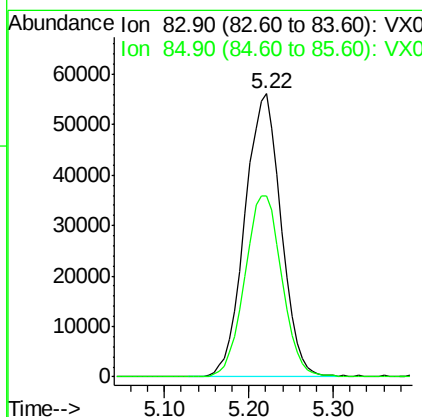
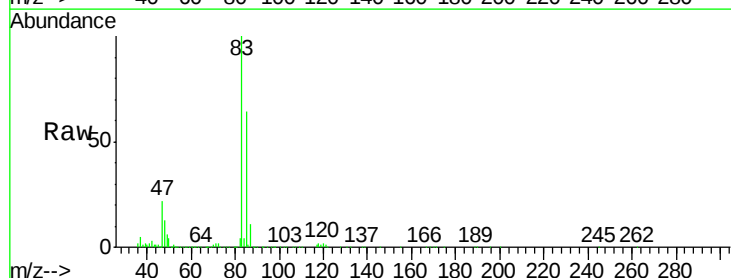
RT: 5.22 min Scan# 667

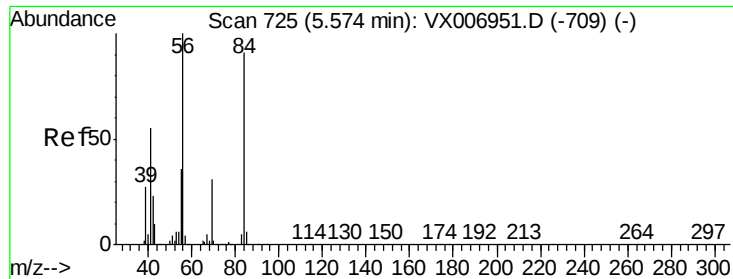
Delta R.T. 0.01 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Tgt Ion:	83	Resp:	164016
Ion Ratio		Lower	Upper
83	100		
85	63.8	51.2	76.8





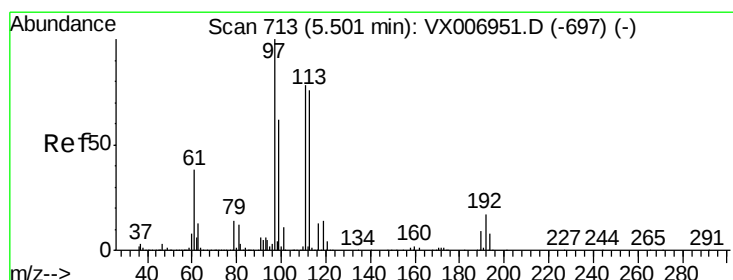
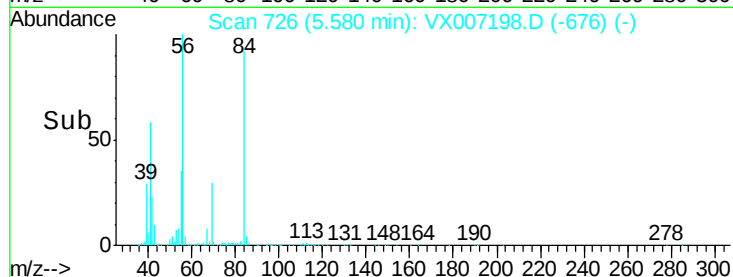
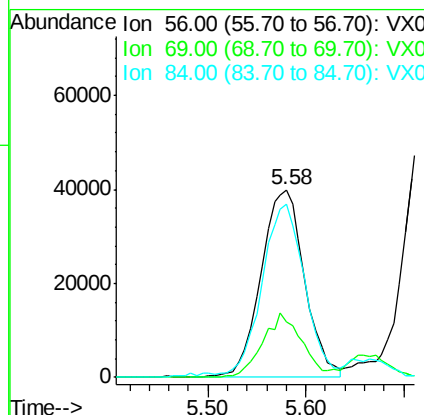
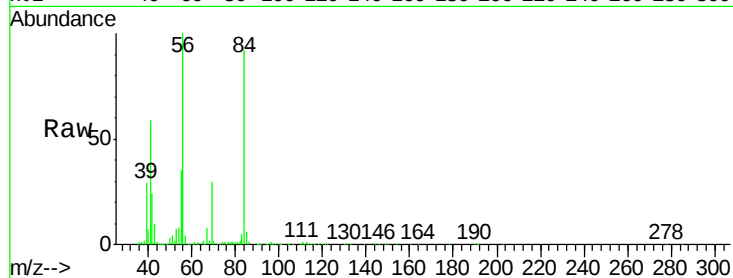
#31
Cyclohexane
Concen: 17.913 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	24.4	36.6
84	89.8	70.0	105.0

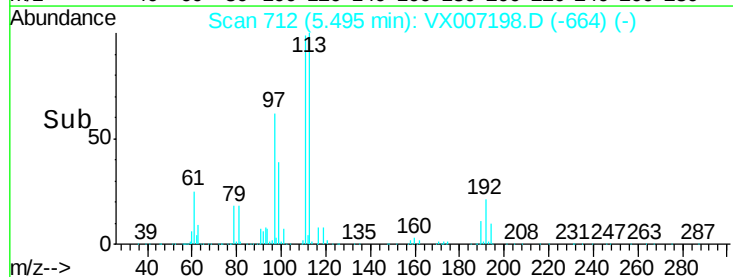
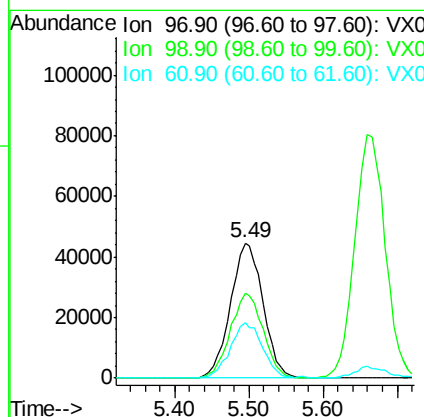
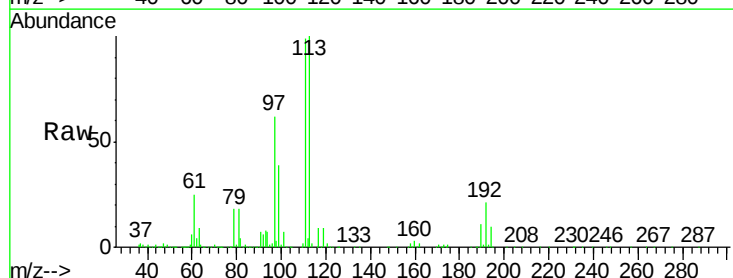
Manual Integrations
APPROVED

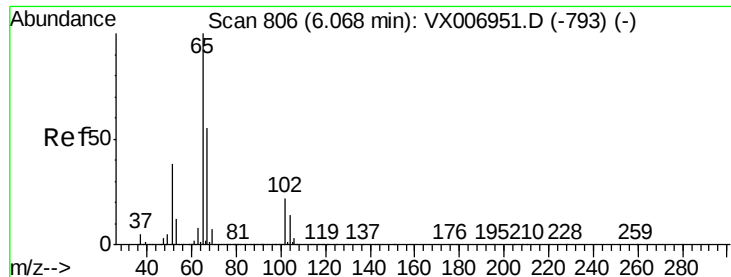
MMDadoda
1/25/2019 10:30:33 AM



#32
1,1,1-Trichloroethane
Concen: 19.833 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.7	77.5
61	40.3	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 50.946 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 65 Resp: 248649

Ion Ratio Lower Upper

65 100

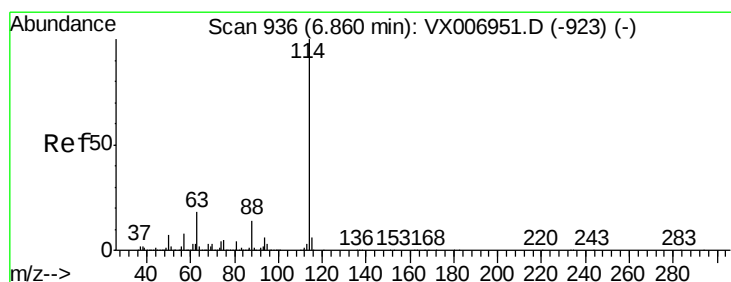
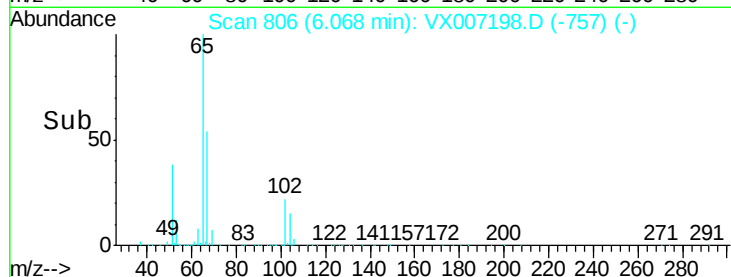
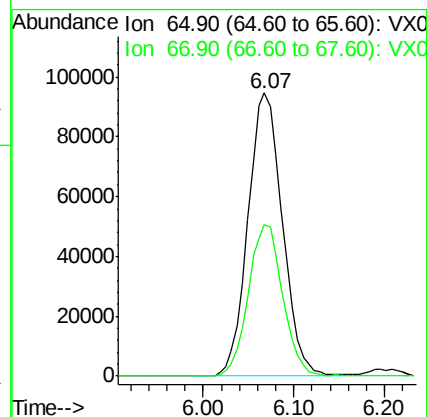
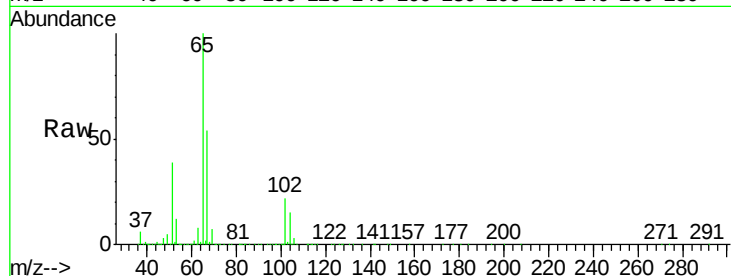
67 53.3 0.0 105.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

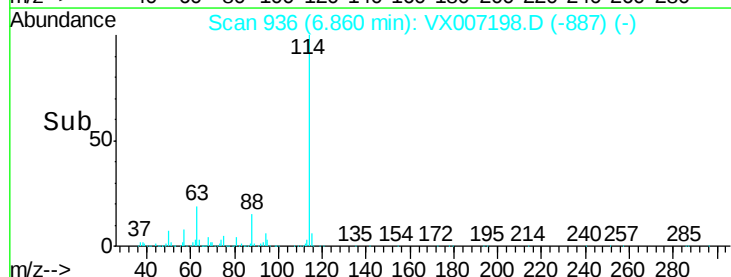
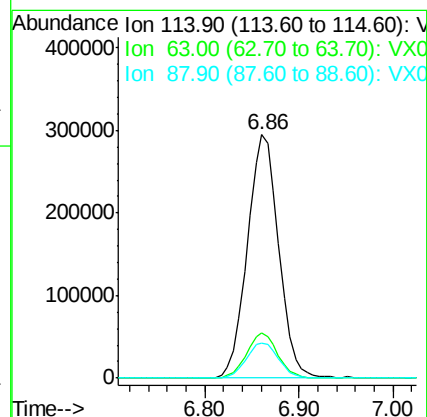
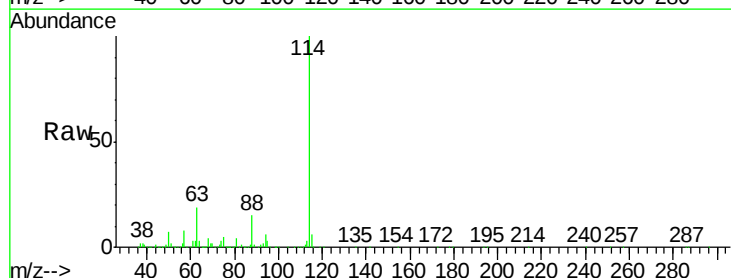
Tgt Ion: 114 Resp: 687324

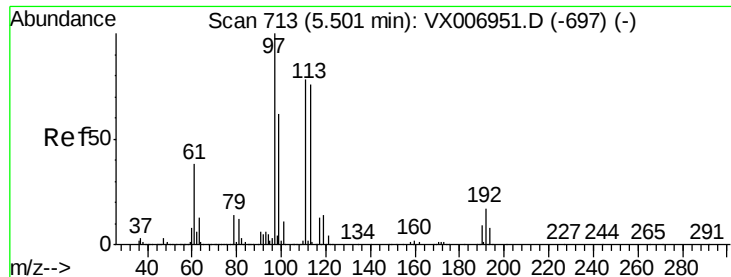
Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.8

88 14.6 0.0 28.8





#35

Dibromofluoromethane

Concen: 51.647 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX007198.D

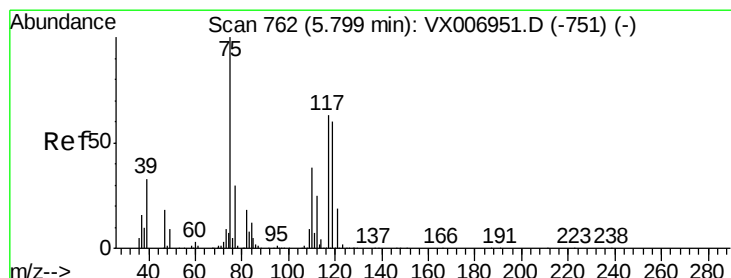
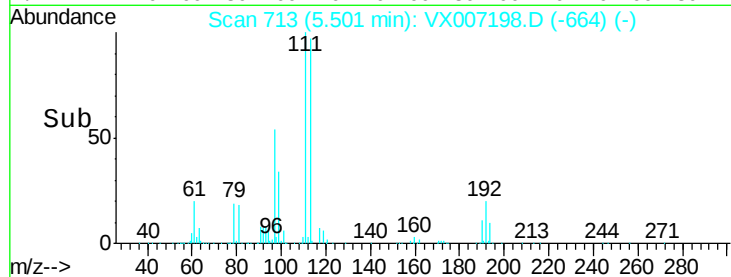
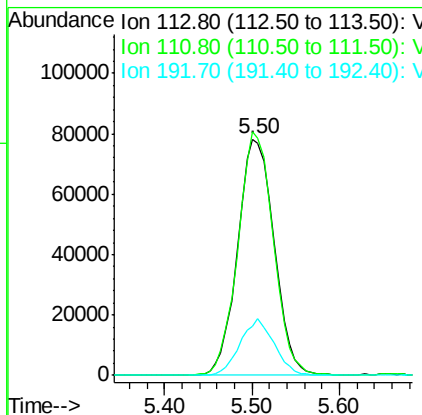
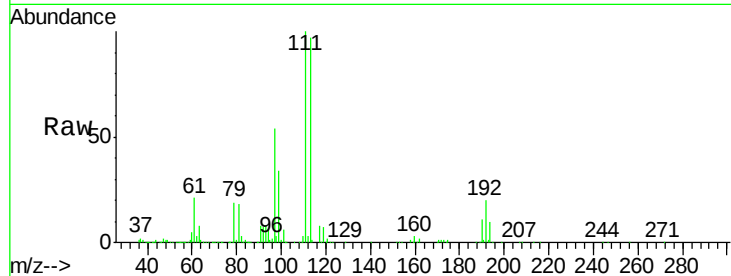
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.0	81.6	122.4
192	22.4	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.017 ug/l

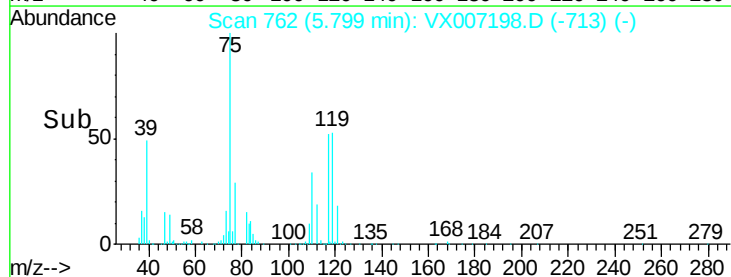
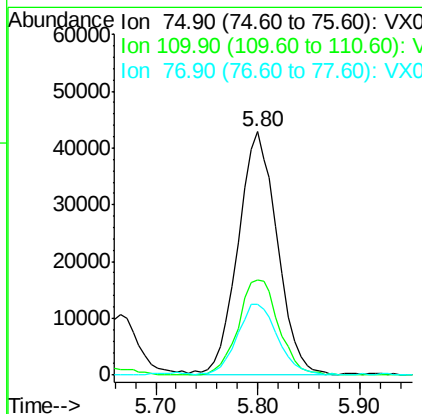
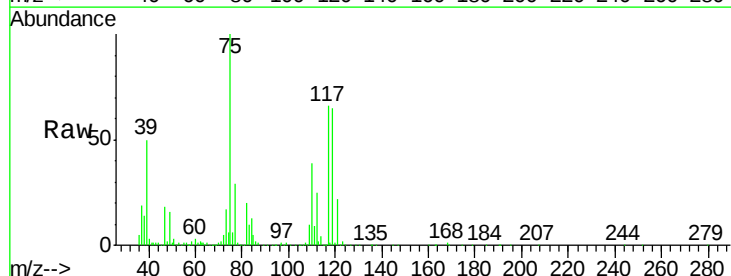
RT: 5.80 min Scan# 762

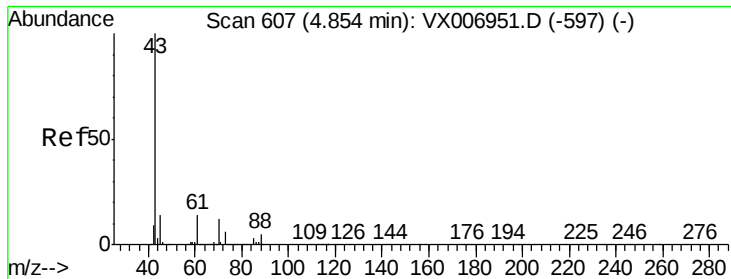
Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.9	20.2	60.5
77	30.1	24.8	37.2





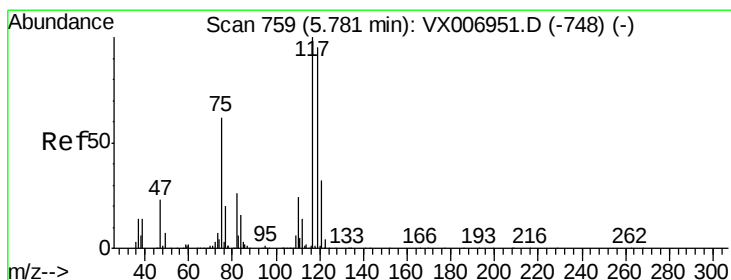
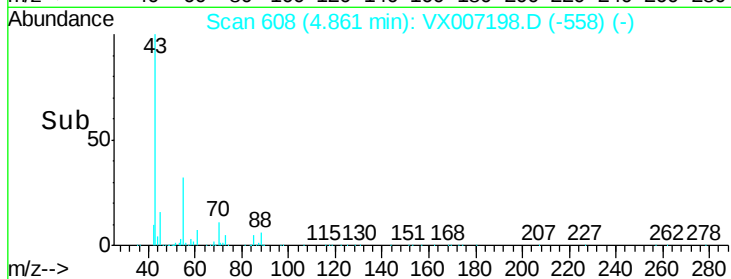
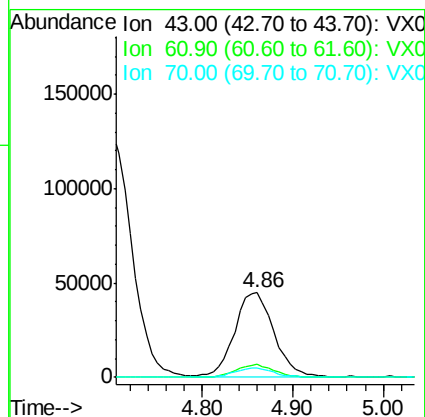
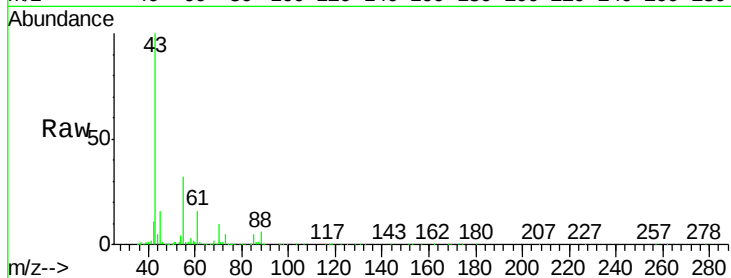
#37
Ethyl Acetate
Concen: 20.804 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.9	17.9
70	11.8	9.7	14.5

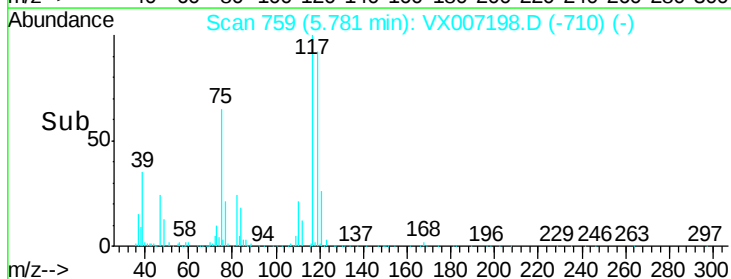
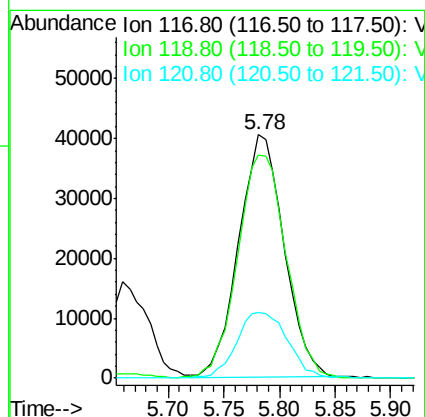
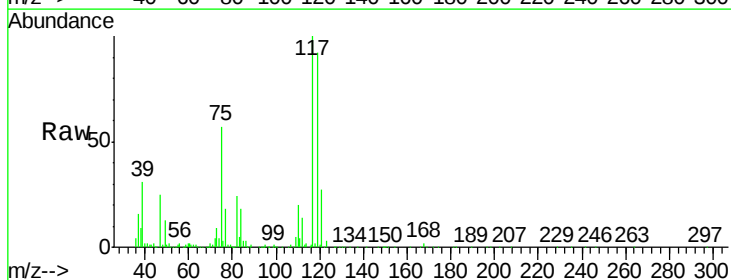
Manual Integrations
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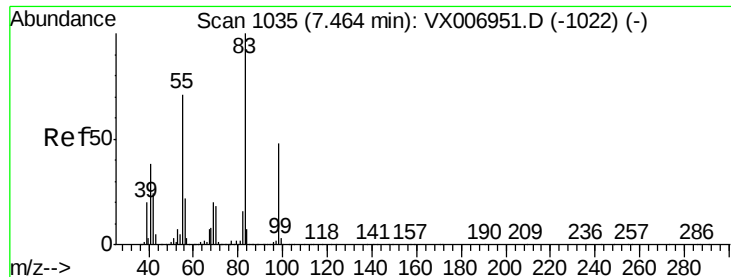
MMDadoda
1/25/2019 10:30:33 AM



#38
Carbon Tetrachloride
Concen: 19.089 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	79.4	119.2
121	26.7	24.0	36.0





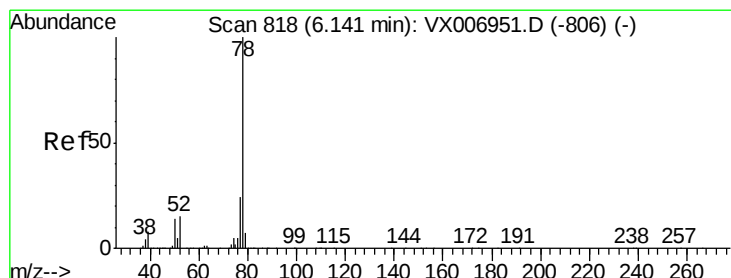
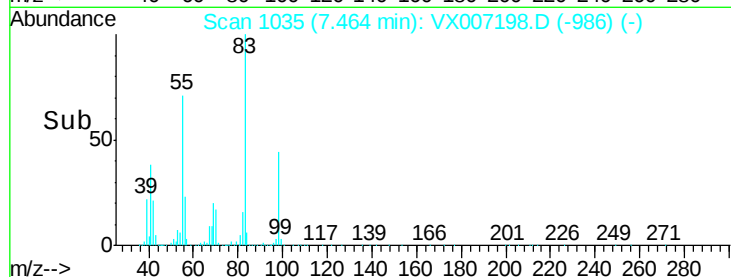
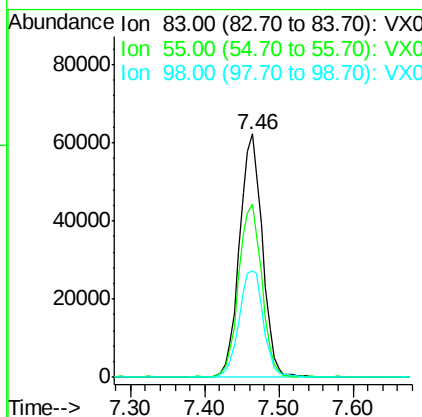
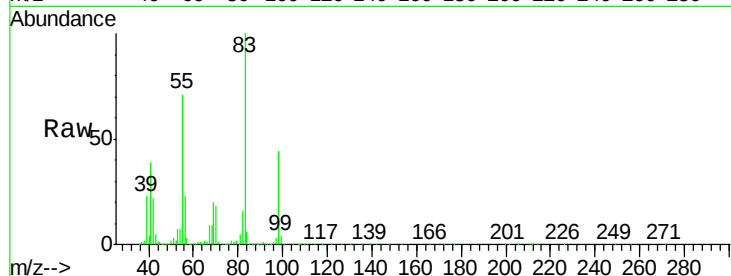
#39
Methvlcvclohexane
Concen: 17.673 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	54.9	82.3
98	43.6	37.9	56.9

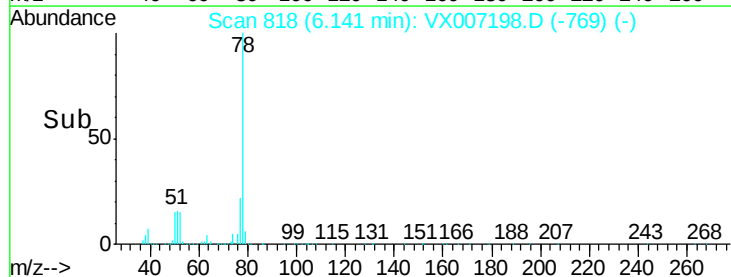
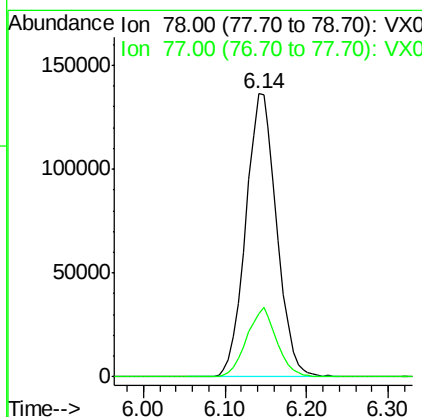
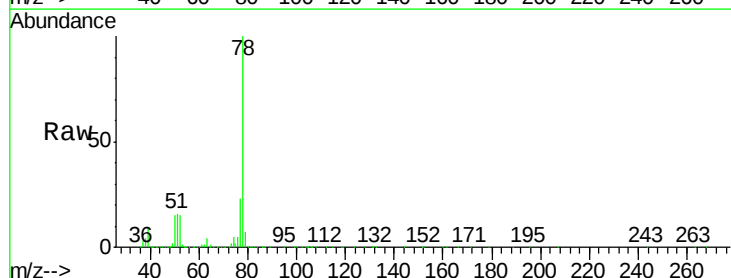
Manual Integrations
APPROVED

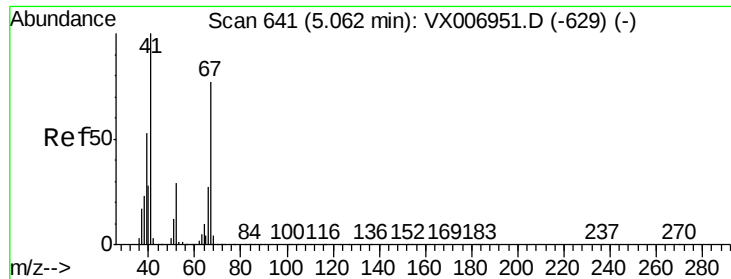
MMDadoda
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#40
Benzene
Concen: 19.728 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.2	28.8





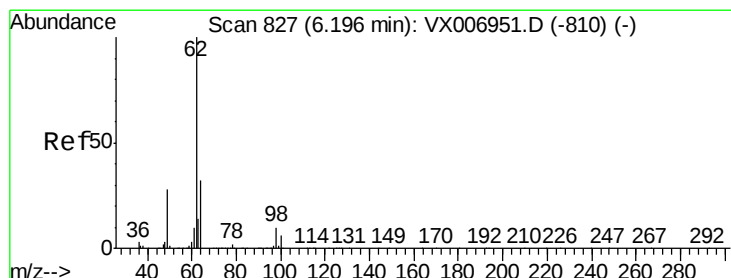
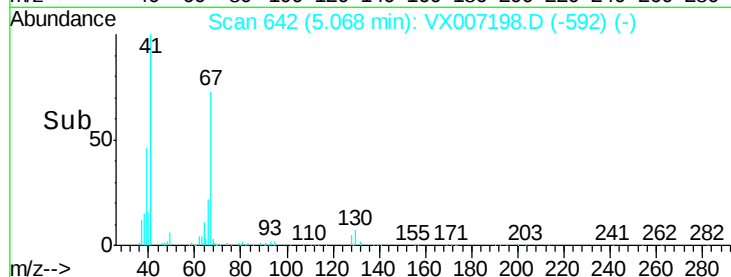
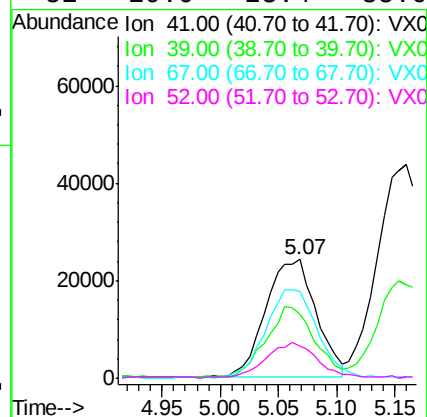
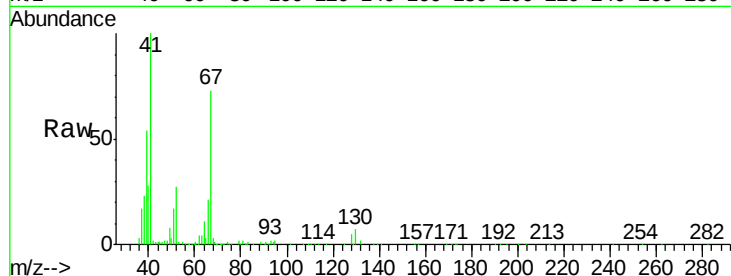
#41
Methacrylonitrile
Concen: 19.733 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.6	42.8	64.2	
67	75.8	62.1	93.1	
52	29.9	23.4	35.0	

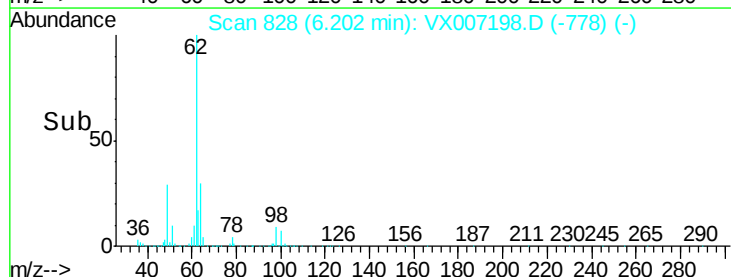
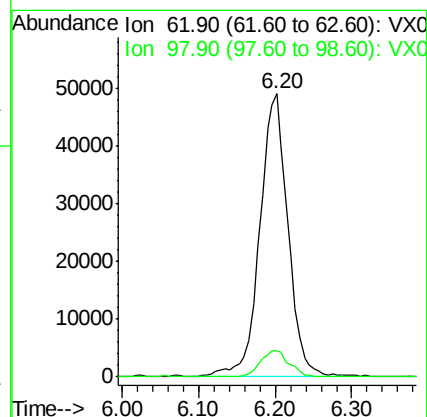
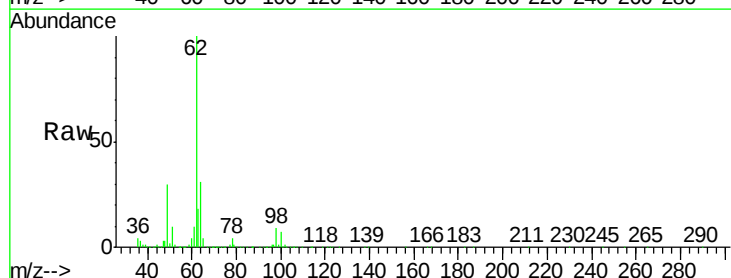
Manual Integrations
APPROVED

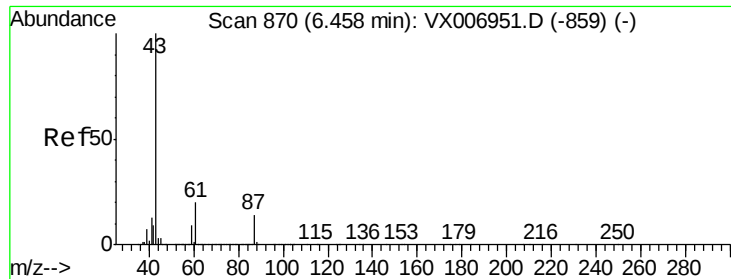
MMDadoda
1/25/2019 10:30:33 AM



#42
1,2-Dichloroethane
Concen: 19.830 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	20.2	





#43

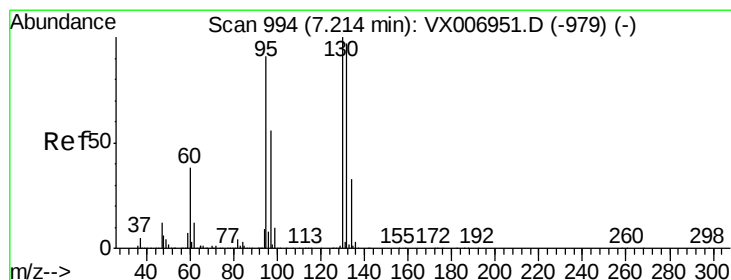
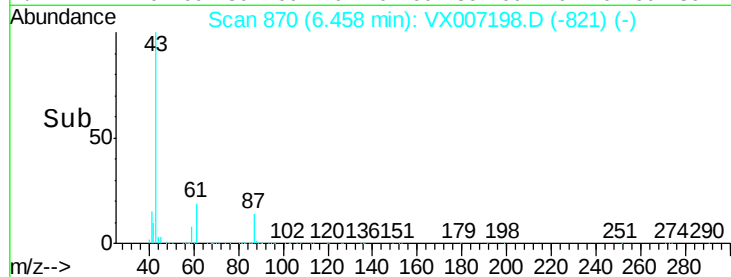
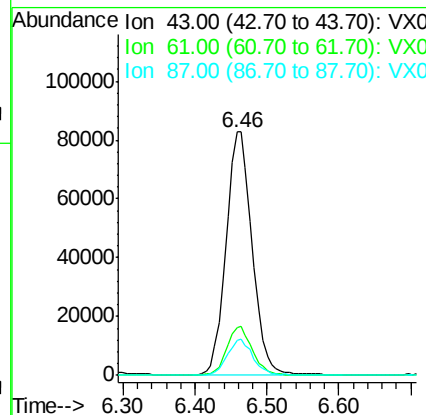
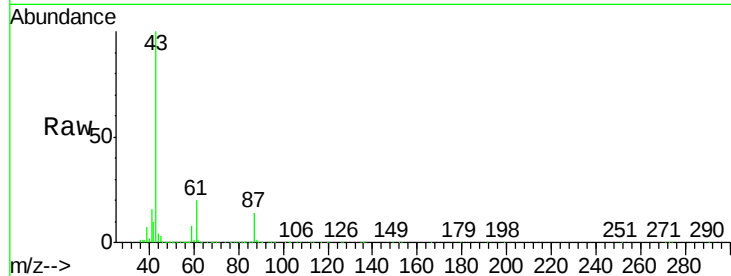
Isopropyl Acetate
 Concen: 20.460 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. 0.00 min
 Lab File: VX007198.D
 Acq: 24 Jan 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	16.8	25.2
87	14.6	12.4	18.6

Manual Integrations
 APPROVED

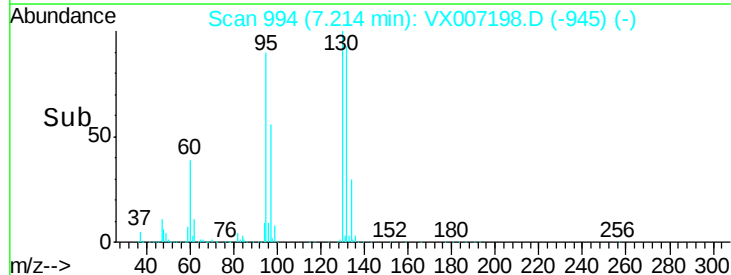
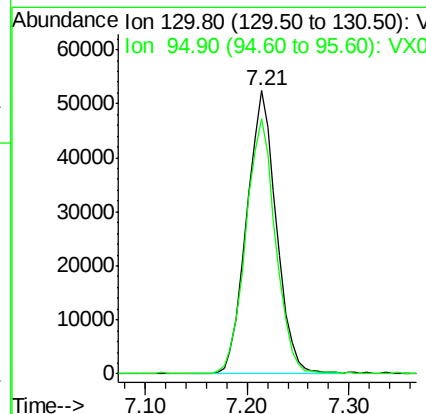
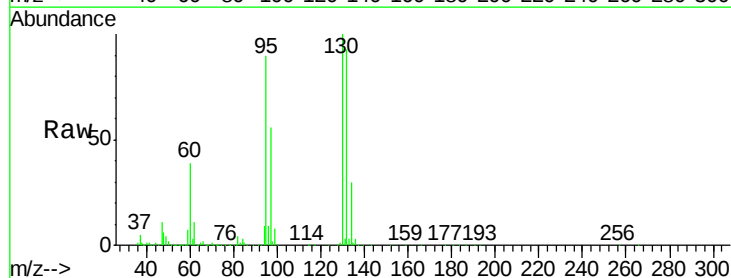
MMDadoda
 1/25/2019 10:30:33 AM

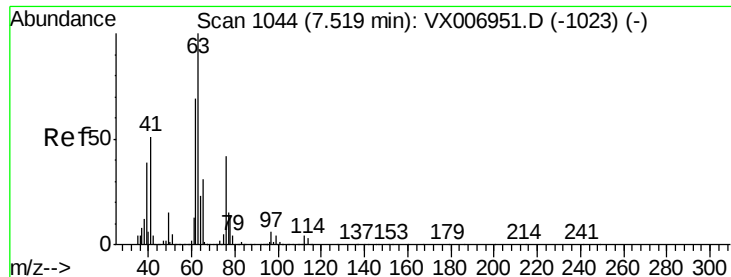


#44

Trichloroethene
 Concen: 19.422 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007198.D
 Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	187.0





#45

1,2-Dichloropropane

Concen: 20.250 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 63 Resp: 92826

Ion Ratio Lower Upper

63 100

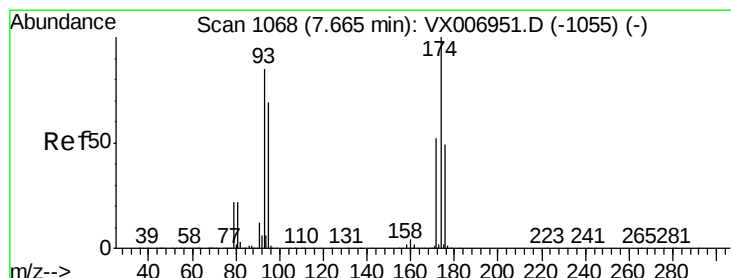
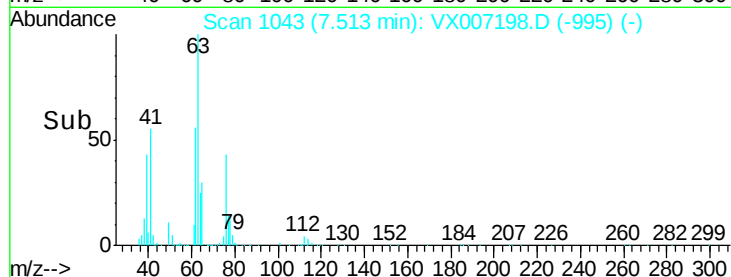
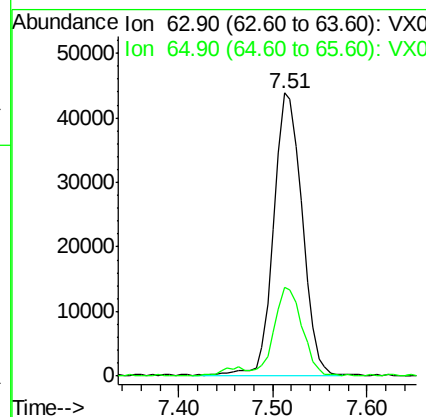
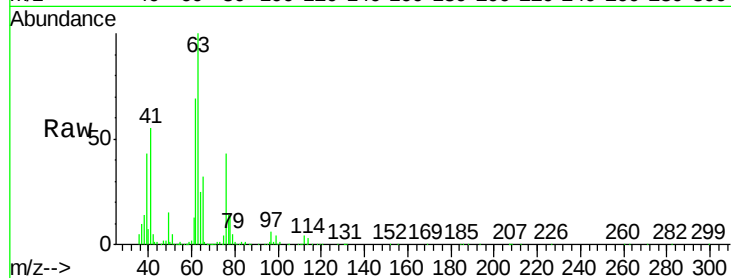
65 31.3 25.4 38.0

Manual Integrations

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MMDadoda

1/25/2019 10:30:33 AM



#46

Dibromomethane

Concen: 20.154 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

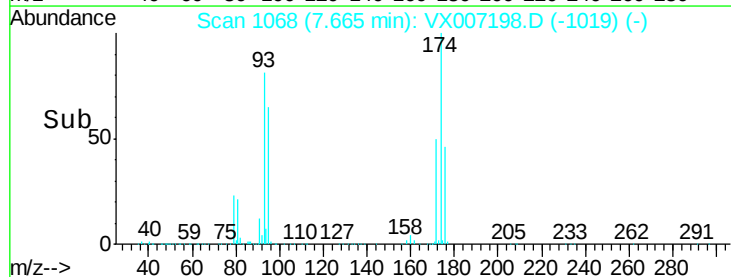
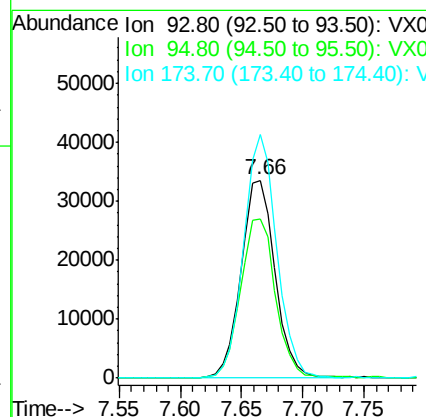
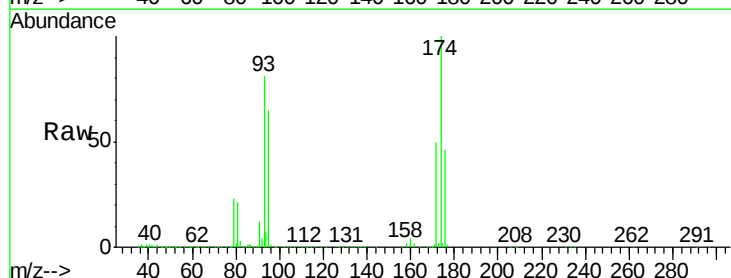
Tgt Ion: 93 Resp: 64930

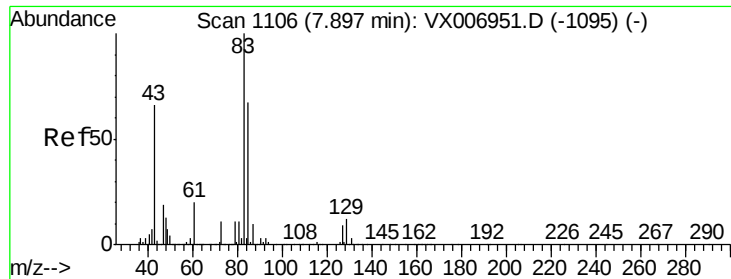
Ion Ratio Lower Upper

93 100

95 82.6 66.2 99.4

174 119.5 91.0 136.4





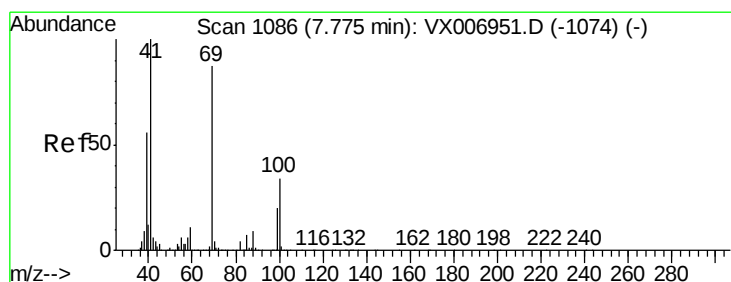
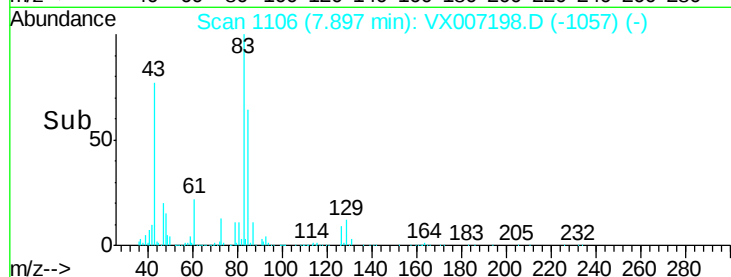
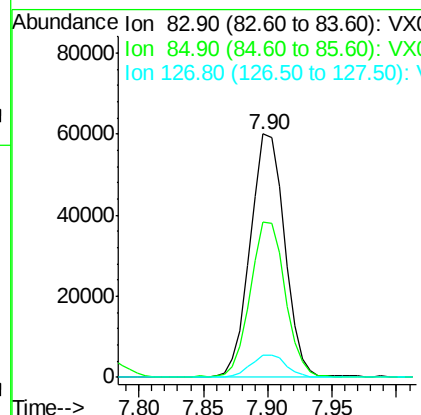
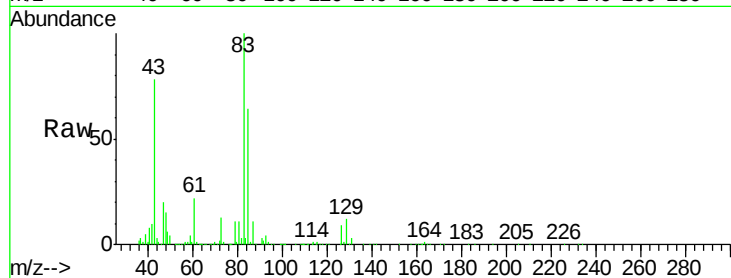
#47
Bromodichloromethane
Concen: 20.278 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	83	Resp	111199
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	53.2	79.8
127	9.0	7.8	11.6

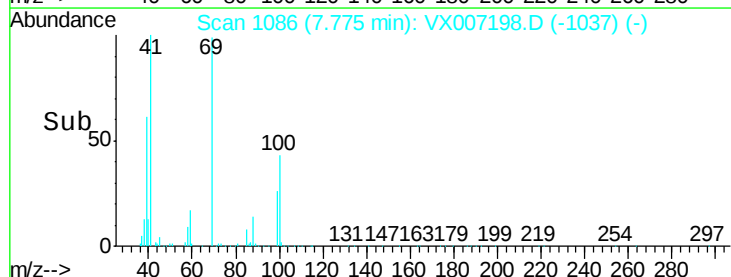
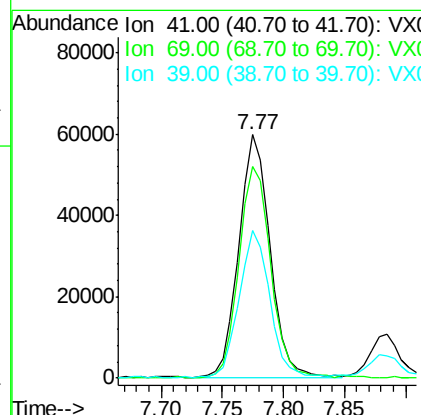
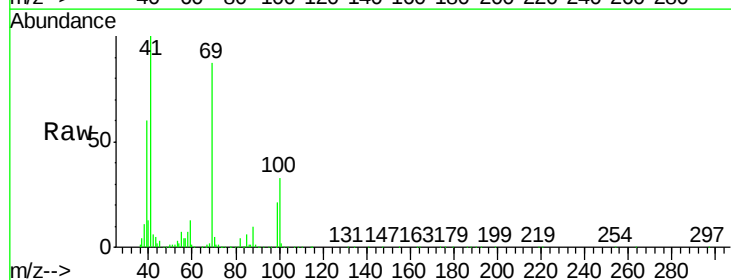
Manual Integrations
APPROVED

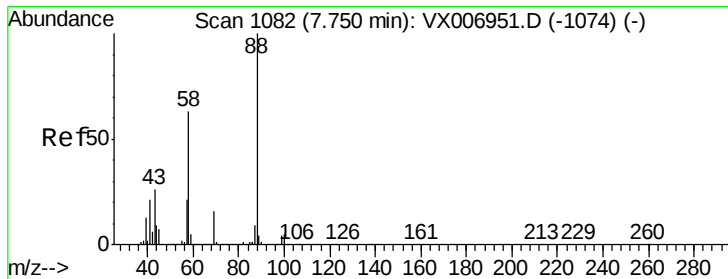
MMDadoda
1/25/2019 10:30:33 AM



#48
Methyl methacrylate
Concen: 20.259 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	41	Resp	105134
Ion Ratio	100	Lower	Upper
41	100		
69	89.2	72.4	108.6
39	59.7	45.8	68.8





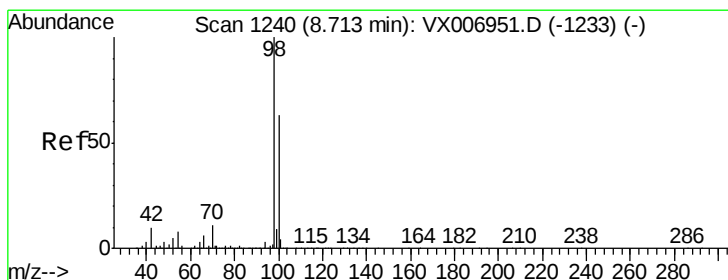
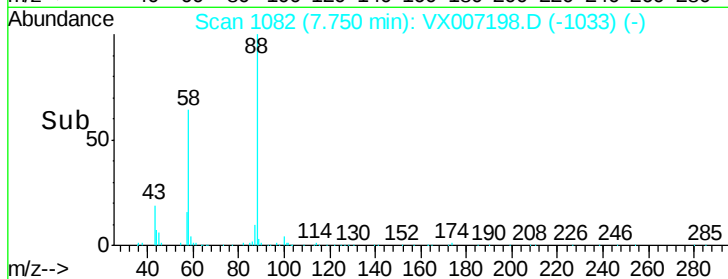
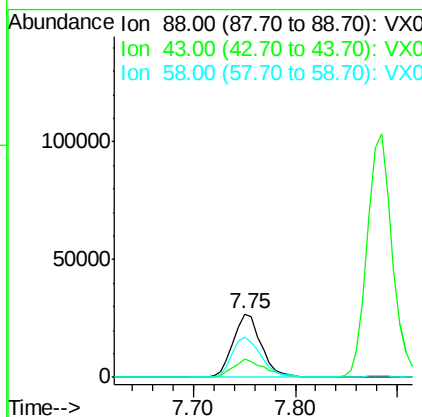
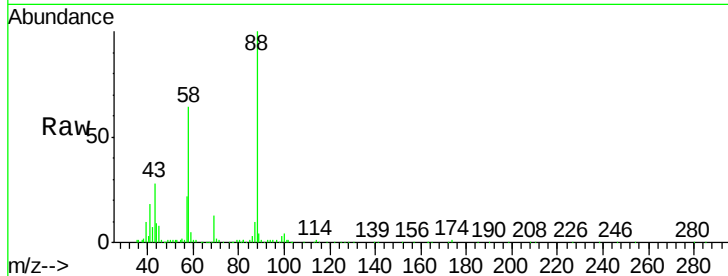
#49
1,4-Dioxane
Concen: 431.268 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	22.2	33.4
58	64.2	51.0	76.4

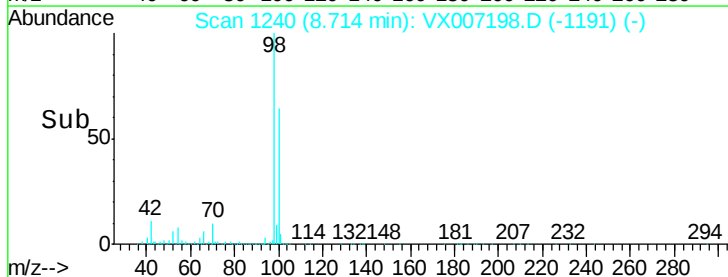
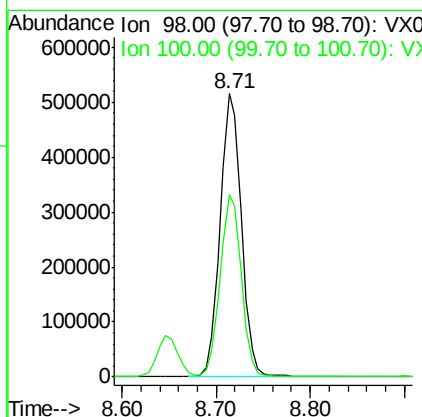
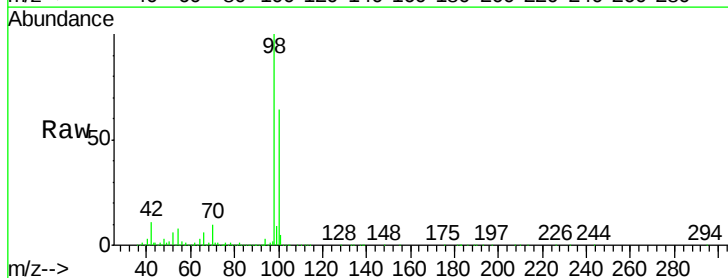
Manual Integrations
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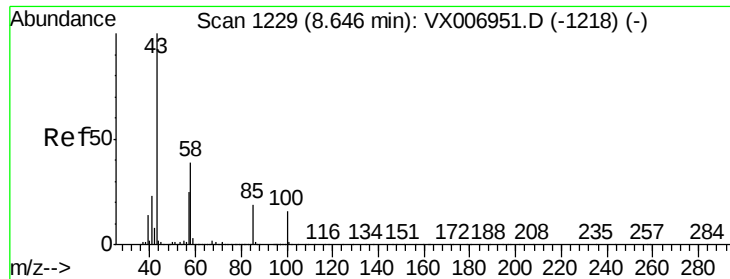
MMDadoda
1/25/2019 10:30:33 AM



#50
Toluene-d8
Concen: 49.972 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 110.552 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampled :

VX0124WBS01

Tot Ion: 43 Resp: 717962

Ion Ratio Lower Upper

43 100

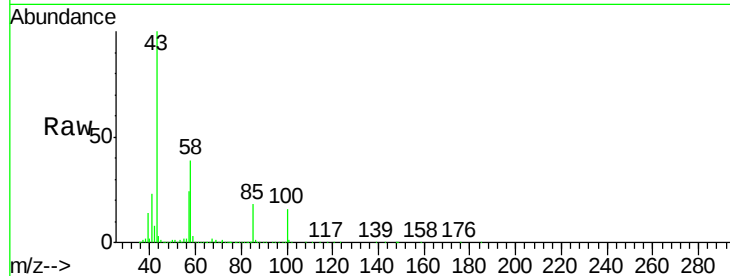
58 38.5 31.8 47.6

Manual Integrations

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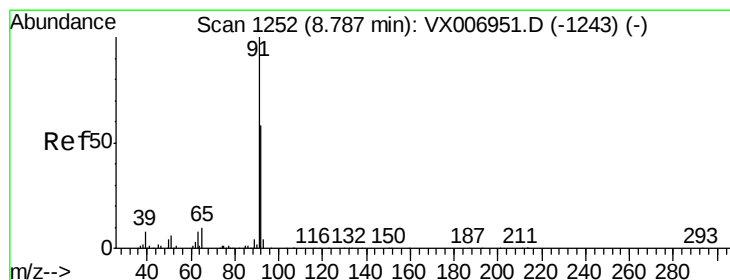
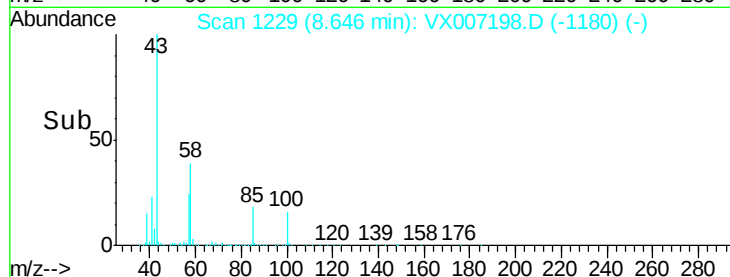
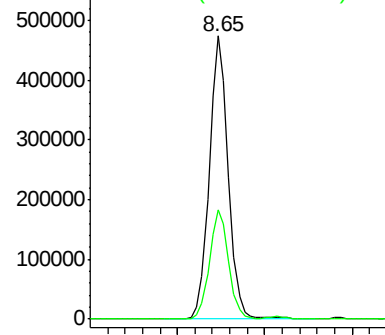
MMDadoda

1/25/2019 10:30:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.487 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007198.D

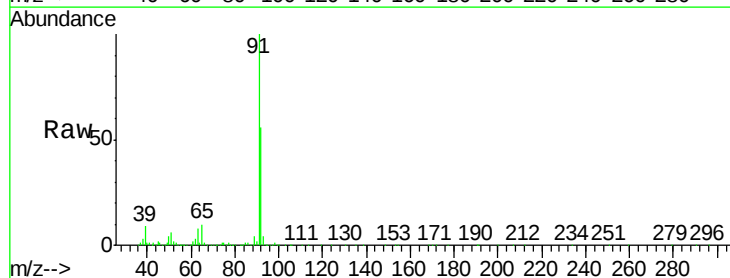
Acq: 24 Jan 2019 12:49

Tgt Ion: 92 Resp: 228372

Ion Ratio Lower Upper

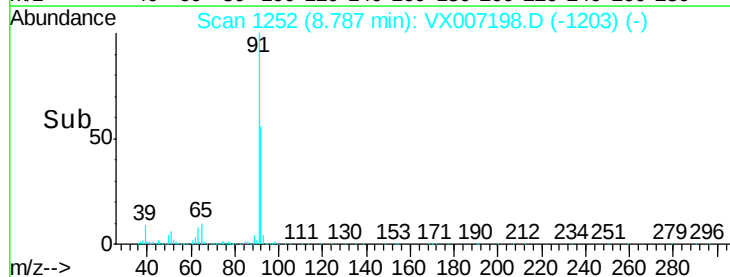
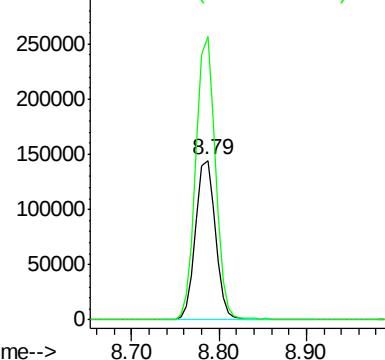
92 100

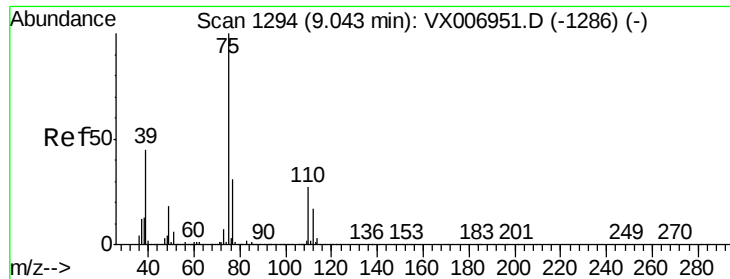
91 174.4 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 19.635 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 75 Resp: 119394

Ion Ratio Lower Upper

75 100

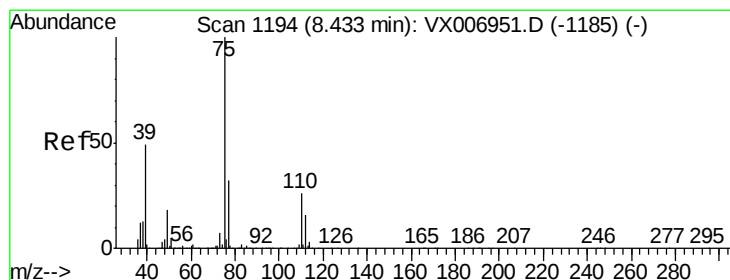
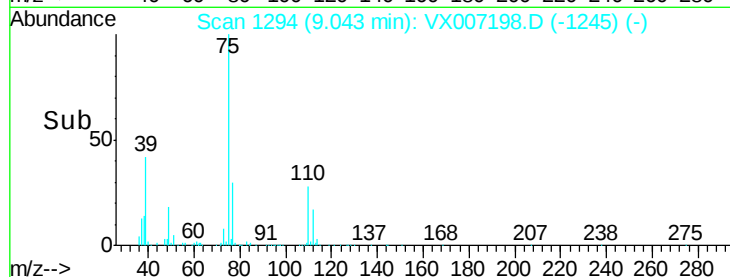
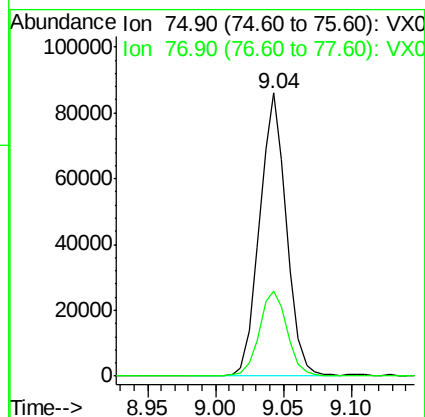
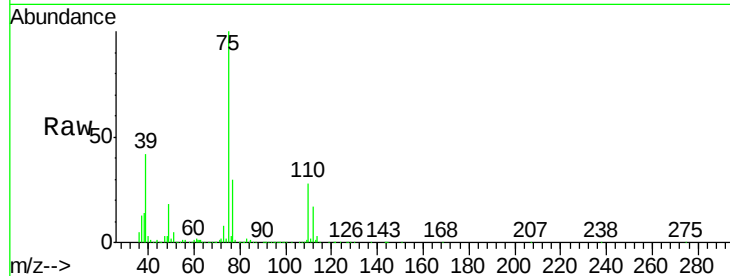
77 29.9 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.634 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

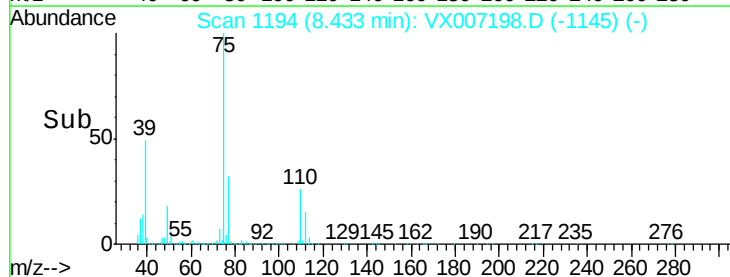
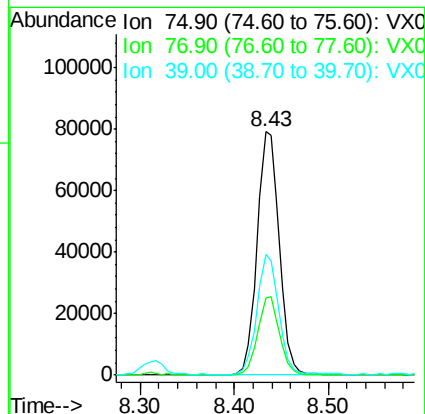
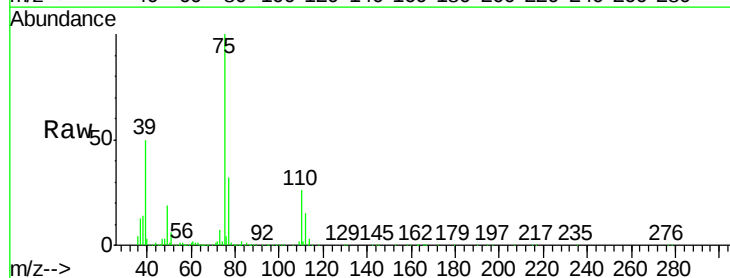
Tgt Ion: 75 Resp: 131844

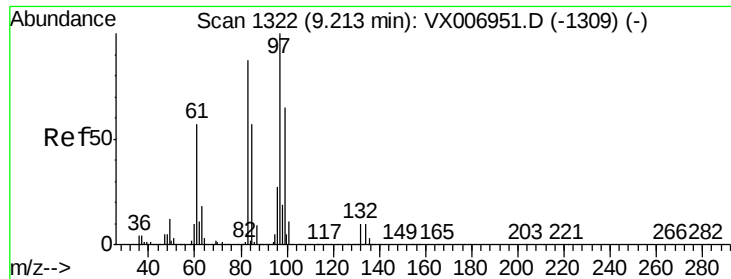
Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2

39 49.3 36.7 55.1





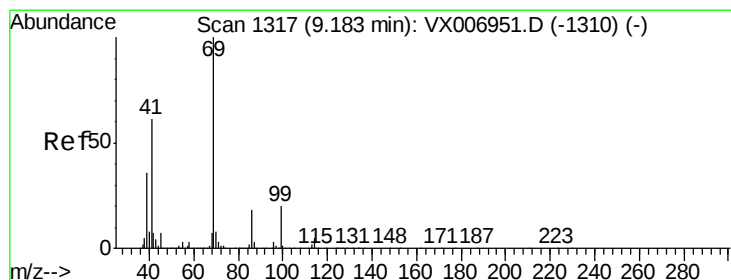
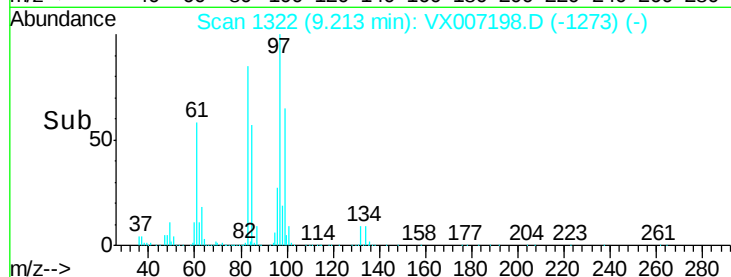
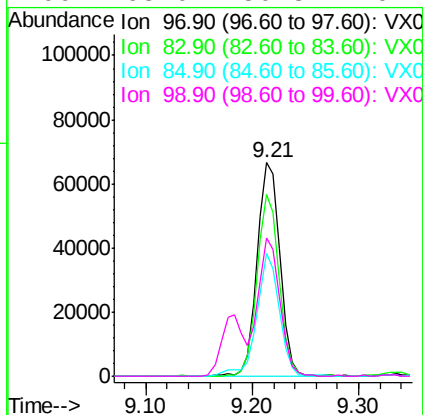
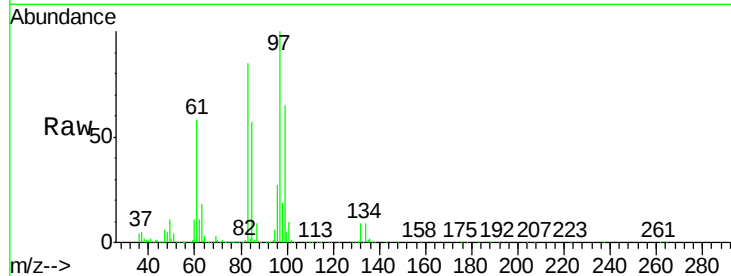
#55
 1,1,2-Trichloroethane
 Concen: 21.530 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007198.D
 Acq: 24 Jan 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		100995		
83	85.1	66.6	99.8		
85	57.3	42.7	64.1		
99	65.0	50.8	76.2		

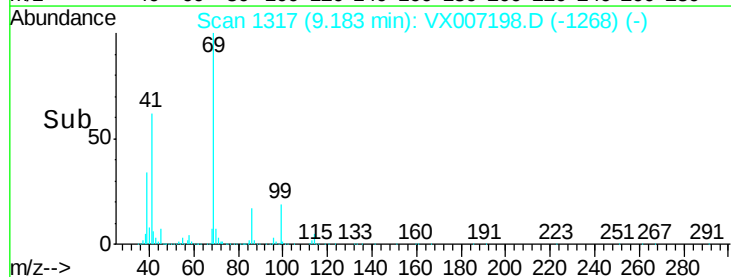
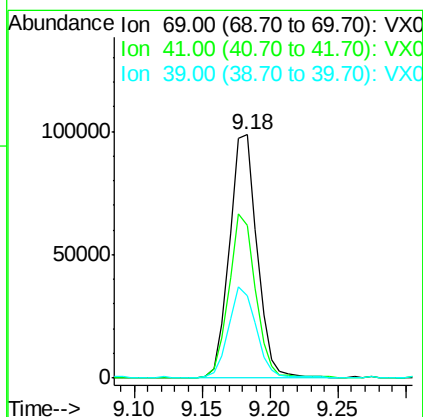
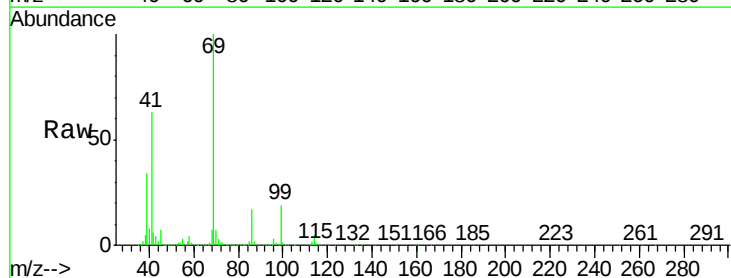
Manual Integrations
 APPROVED

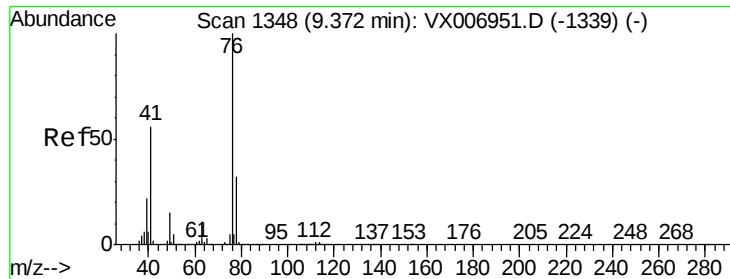
MMDadoda
 1/25/2019 10:30:33 AM



#56
 Ethyl methacrylate
 Concen: 20.367 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX007198.D
 Acq: 24 Jan 2019 12:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		139472		
41	65.3	48.7	73.1		
39	37.5	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 20.989 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 76 Resp: 161302

Ion Ratio Lower Upper

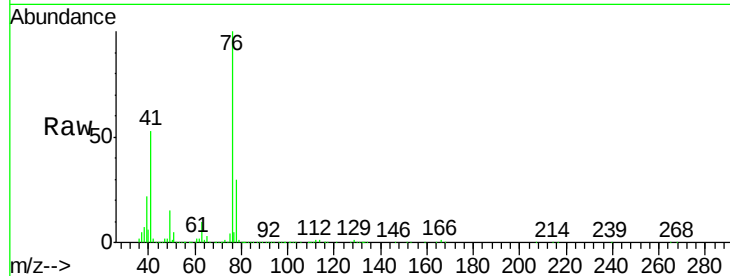
76 100

78 32.0 26.0 39.0

Manual Integrations
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MMDadoda

1/25/2019 10:30:33 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

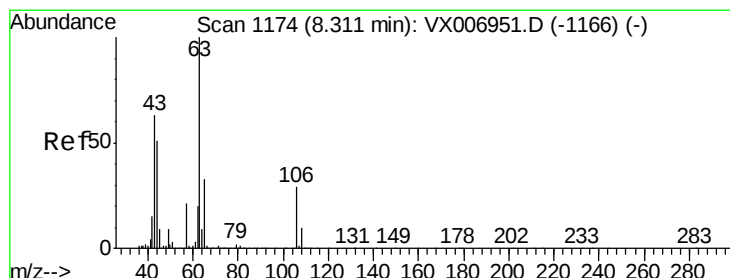
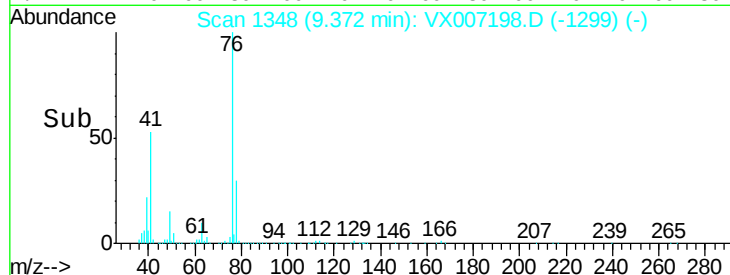
9.37

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.041 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX007198.D

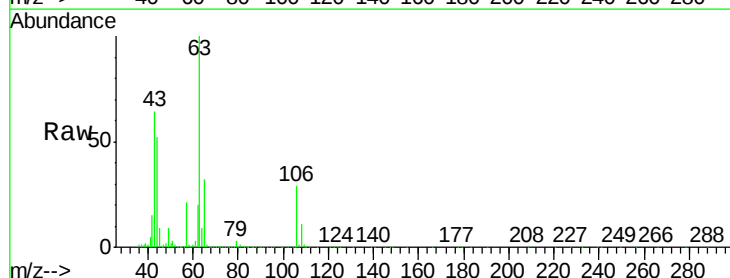
Acq: 24 Jan 2019 12:49

Tgt Ion: 63 Resp: 352242

Ion Ratio Lower Upper

63 100

106 30.7 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

250000

200000

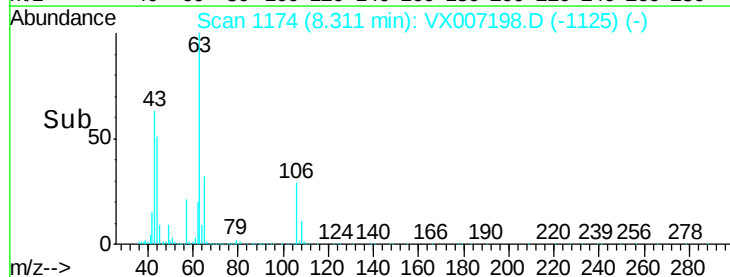
150000

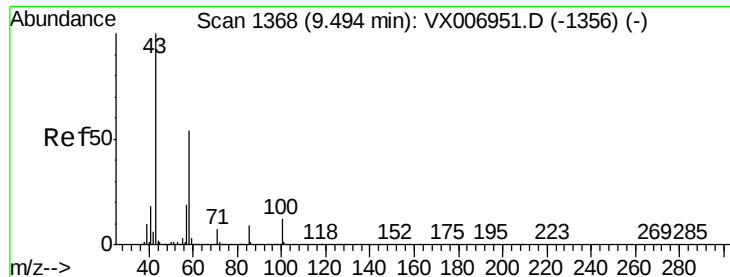
100000

50000

0

Time-->





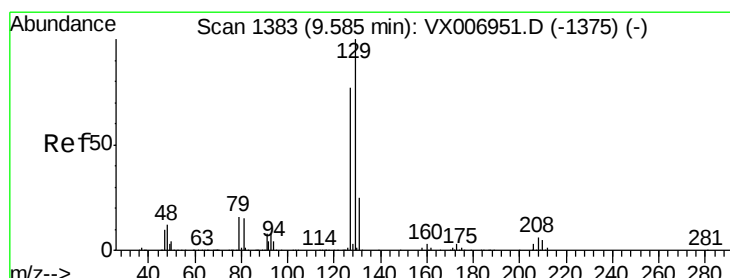
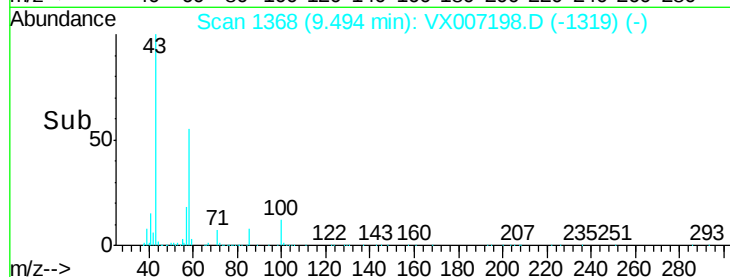
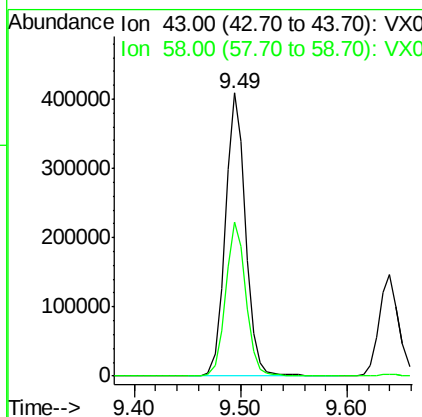
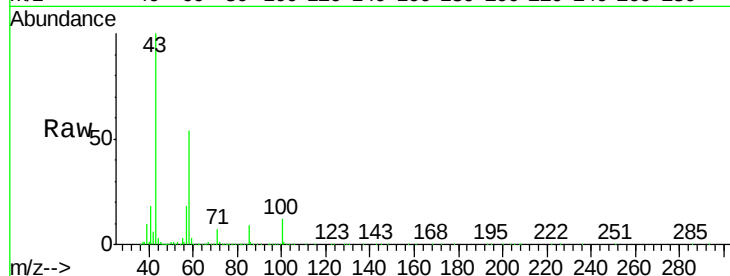
#59
2-Hexanone
Concen: 109.401 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion: 43 Resp: 541433
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.1

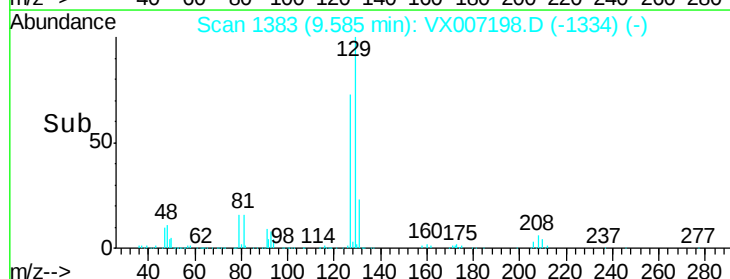
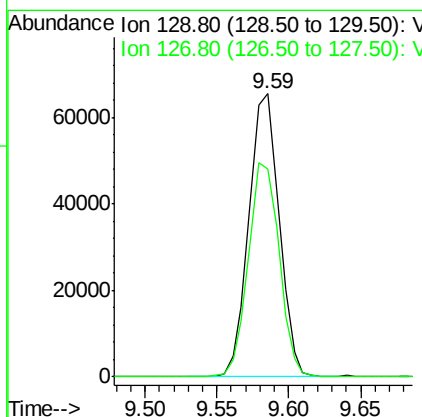
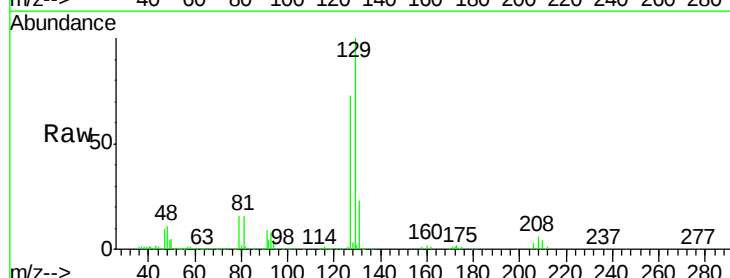
Manual Integrations
APPROVED

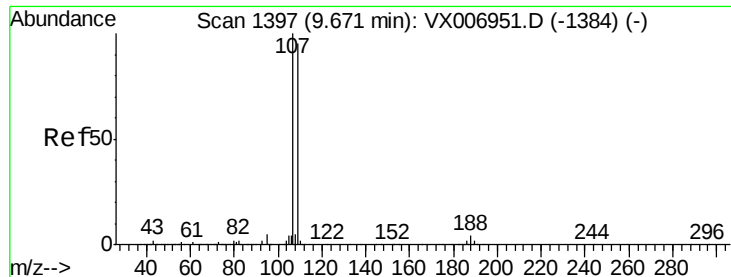
MMDadoda
1/25/2019 10:30:33 AM



#60
Dibromochloromethane
Concen: 20.988 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion: 129 Resp: 95601
Ion Ratio Lower Upper
129 100
127 77.1 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.459 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 107 Resp: 105653

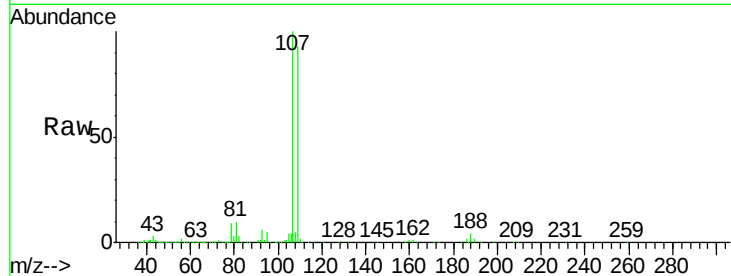
Ion Ratio Lower Upper

107 100

109 94.1 75.8 113.6

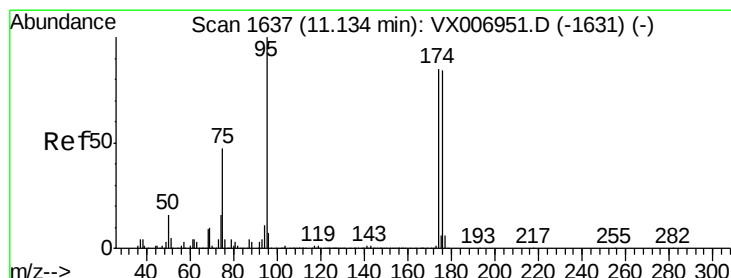
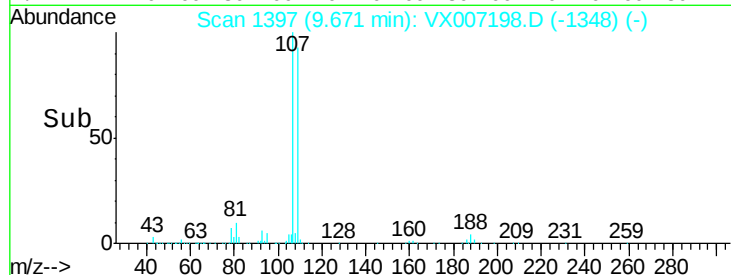
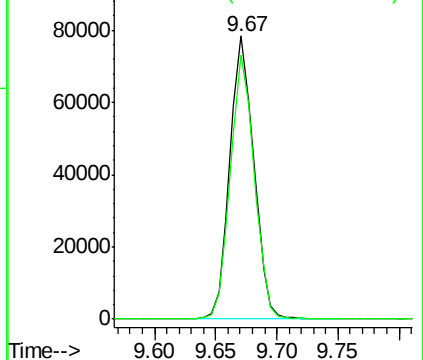
Manual Integrations
APPROVED

MMDadoda
1/25/2019 10:30:33 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.811 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

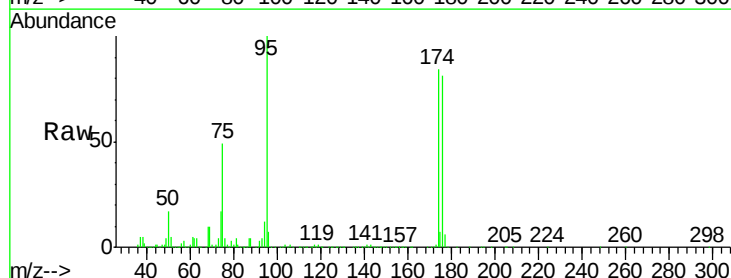
Tgt Ion: 95 Resp: 285392

Ion Ratio Lower Upper

95 100

174 94.0 0.0 182.2

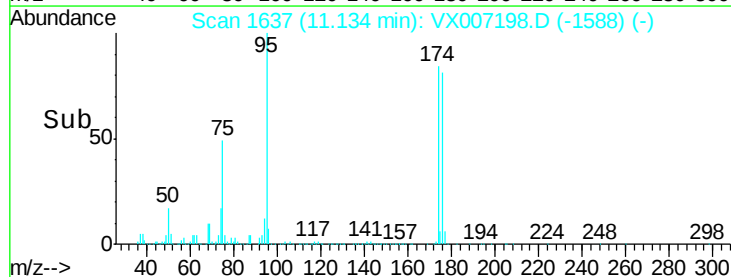
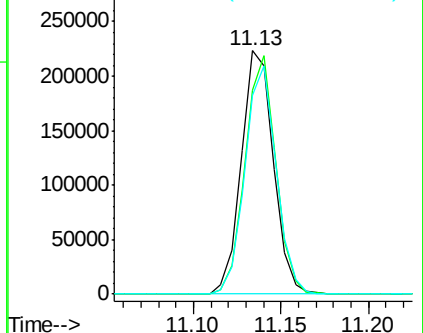
176 91.6 0.0 178.8

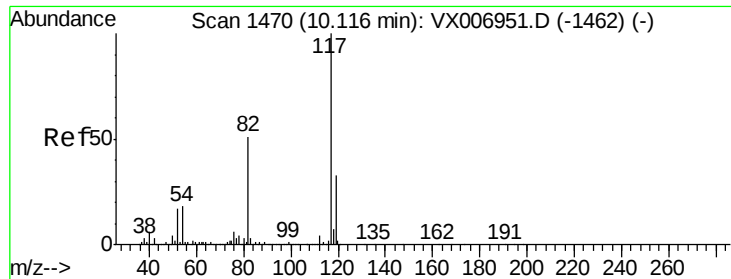


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





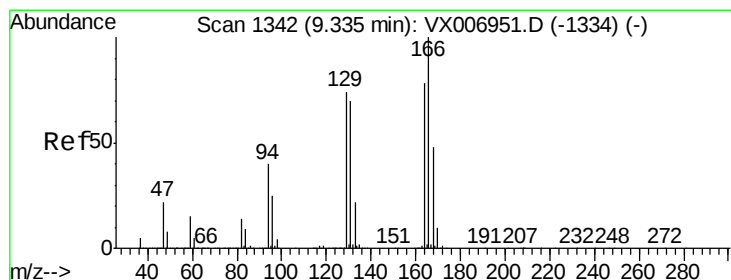
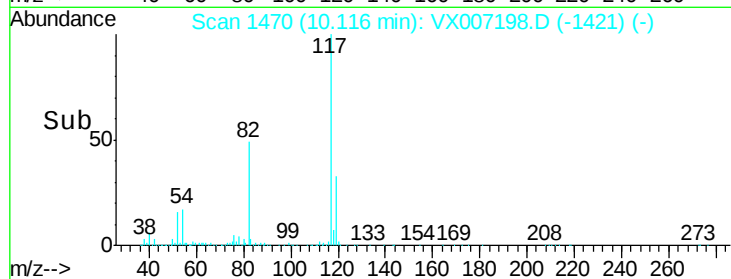
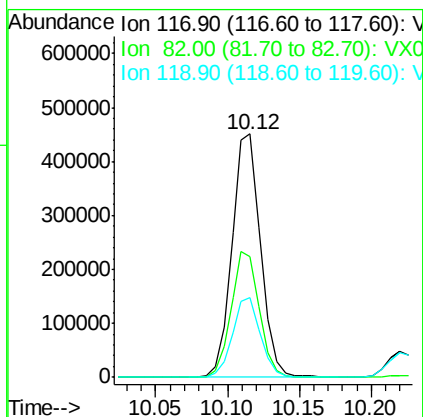
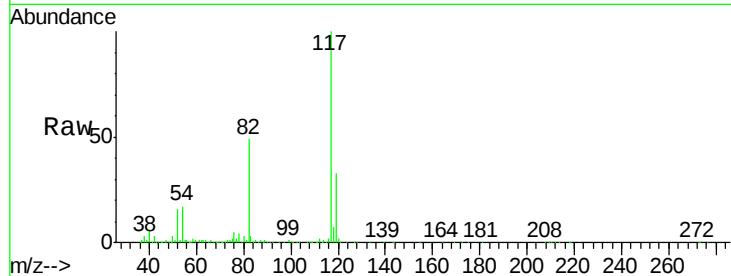
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.4	41.0	61.6
119	32.5	25.4	38.0

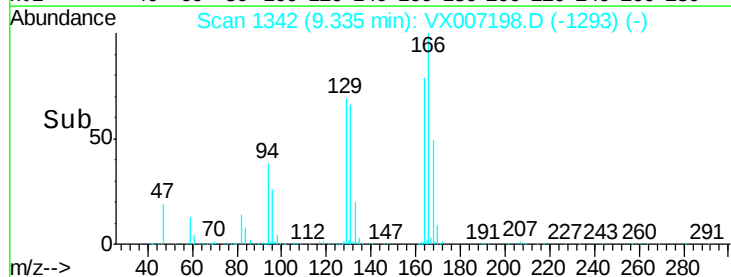
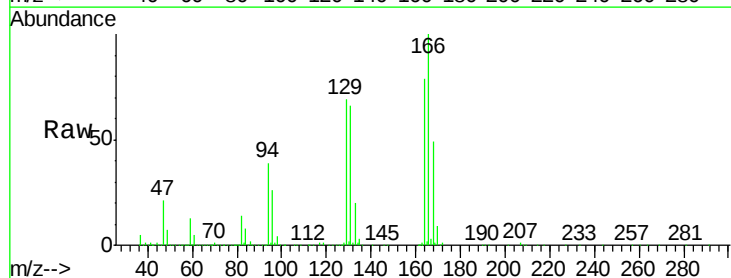
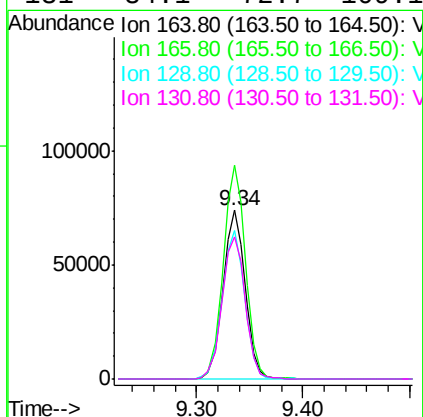
Manual Integrations
APPROVED

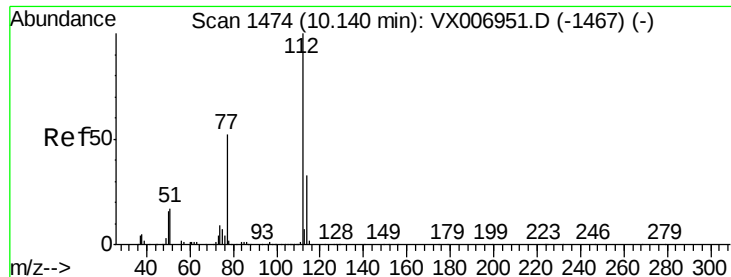
MMDadoda
1/25/2019 10:30:33 AM



#64
Tetrachloroethene
Concen: 19.851 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.5	153.7
129	88.0	75.1	112.7
131	84.1	72.7	109.1





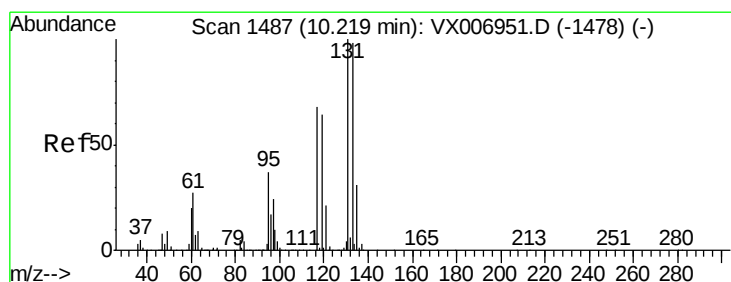
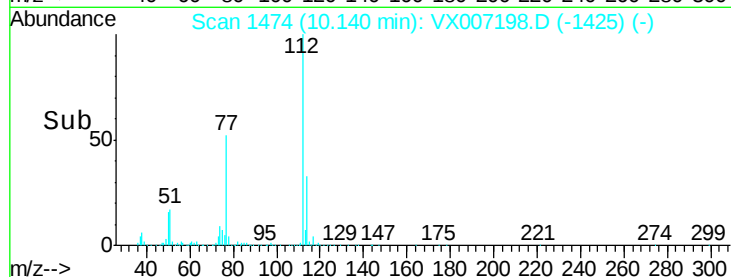
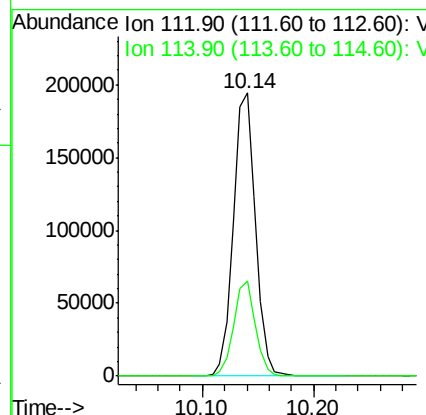
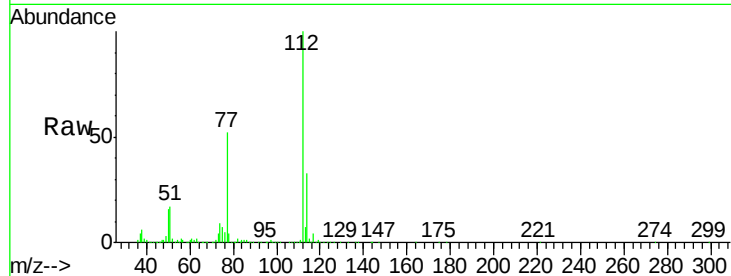
#65
Chlorobenzene
Concen: 19.599 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion:112 Resp: 266918
Ion Ratio Lower Upper
112 100
114 33.4 25.7 38.5

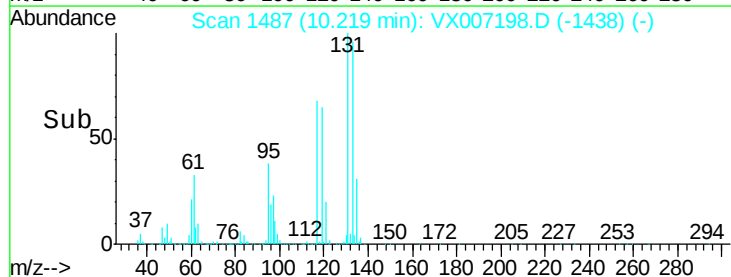
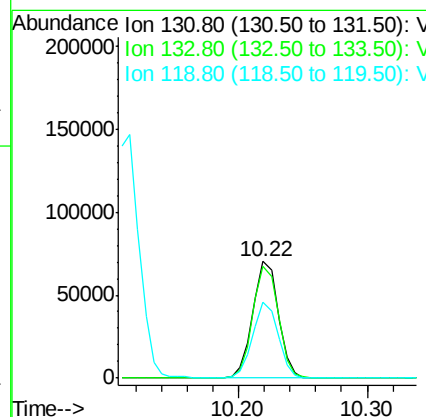
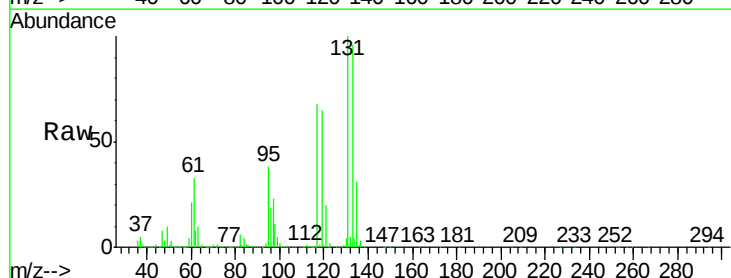
Manual Integrations
APPROVED

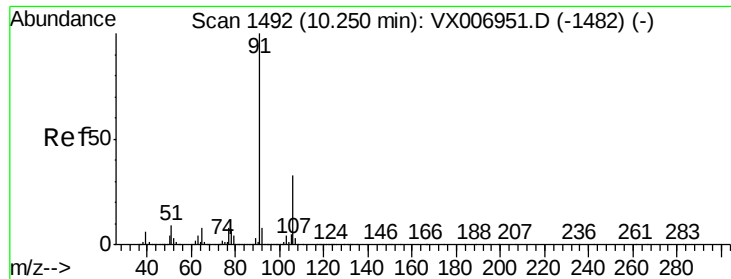
MMDadoda
1/25/2019 10:30:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.004 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion:131 Resp: 96228
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.2
119 64.2 32.6 97.8





#67

Ethyl Benzene

Concen: 19.009 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 91 Resp: 427388

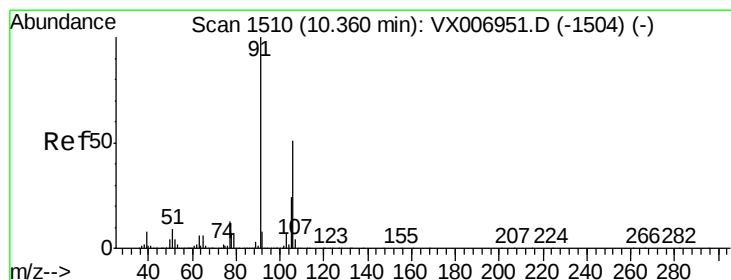
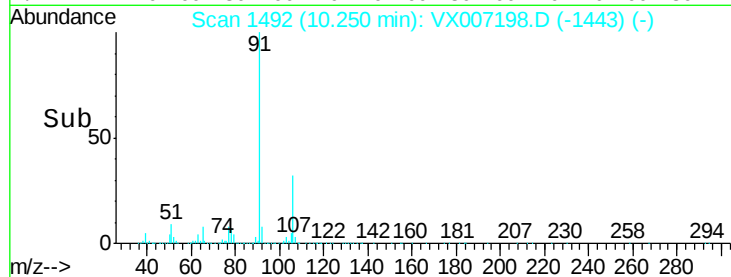
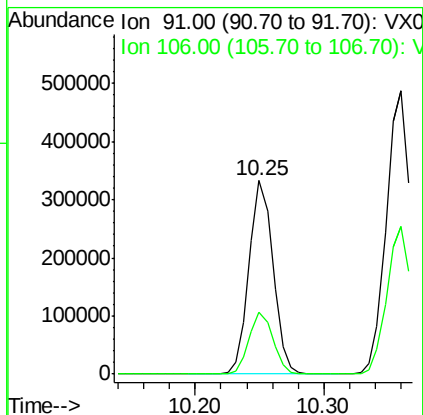
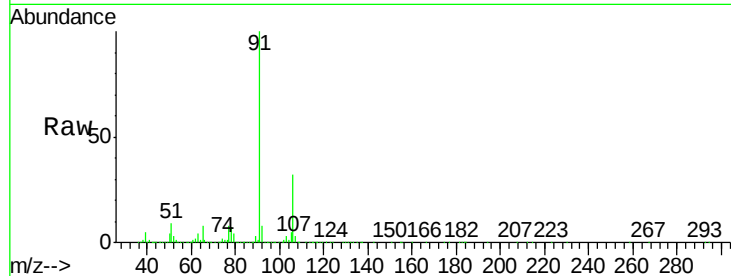
Ion Ratio Lower Upper

91 100

106 32.2 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
1/25/2019 10:30:33 AM



#68

m/p-Xylenes

Concen: 38.156 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007198.D

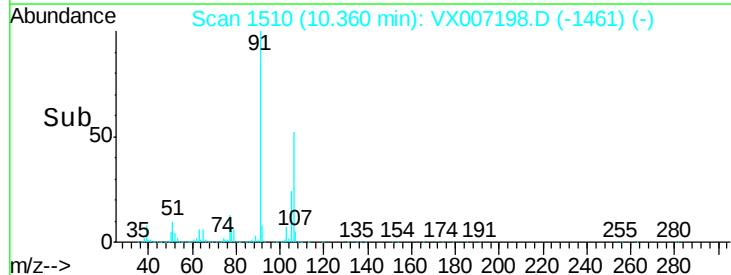
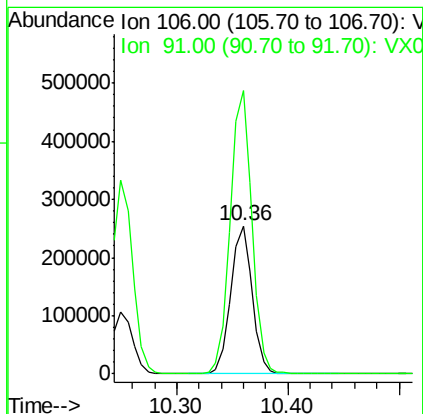
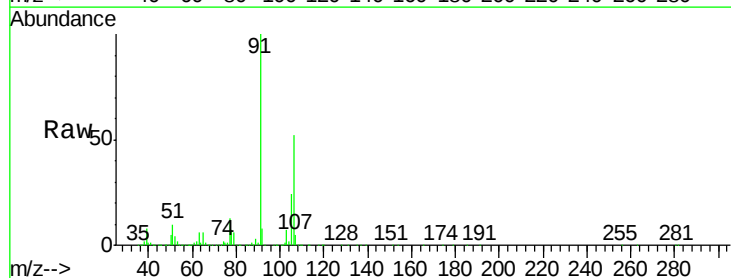
Acq: 24 Jan 2019 12:49

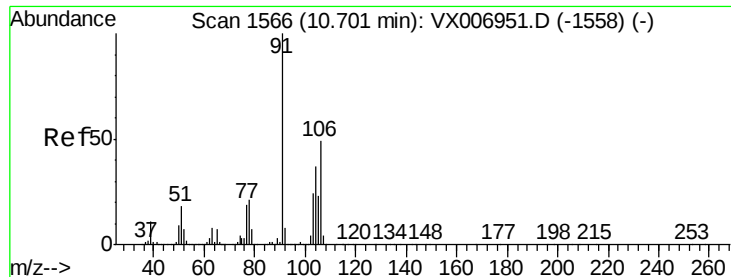
Tgt Ion: 106 Resp: 337982

Ion Ratio Lower Upper

106 100

91 193.0 155.8 233.6





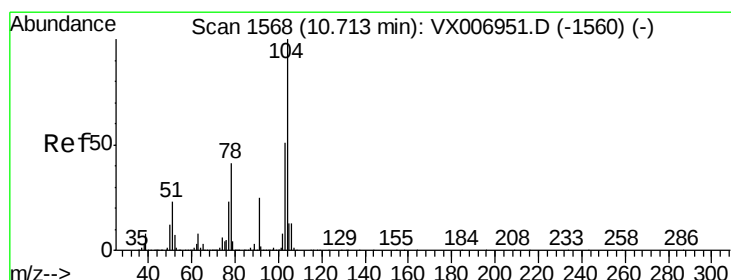
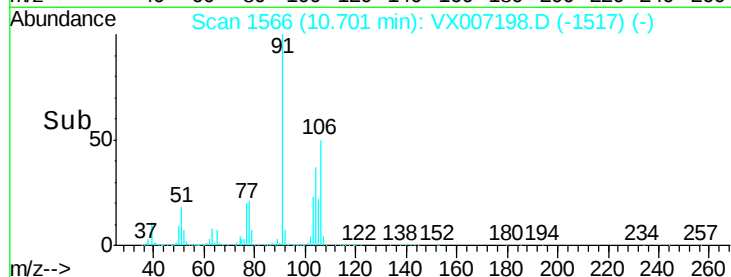
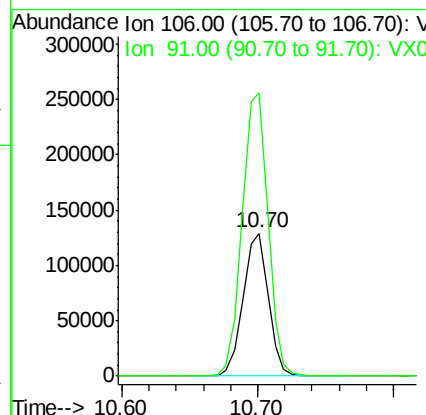
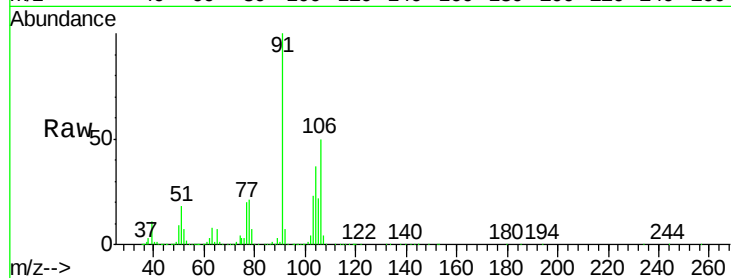
#69
o-Xylene
Concen: 19.272 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion:106 Resp: 166489
Ion Ratio Lower Upper
106 100
91 204.1 101.3 303.7

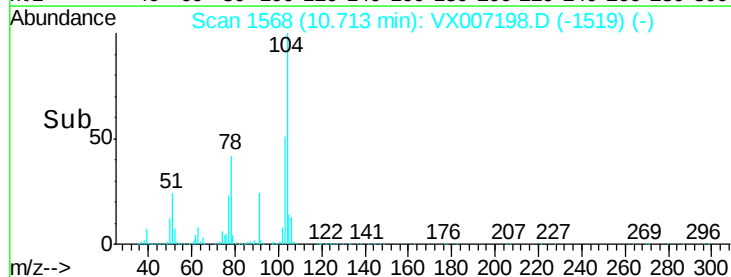
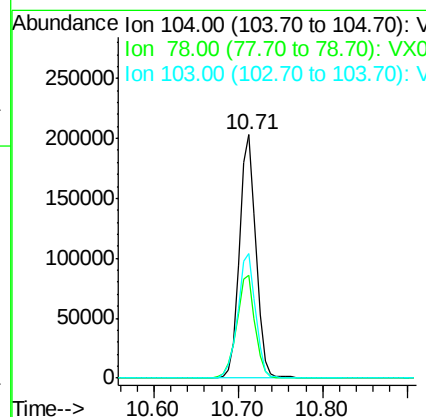
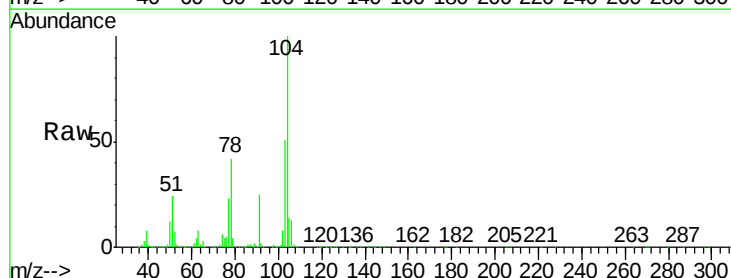
Manual Integrations
APPROVED

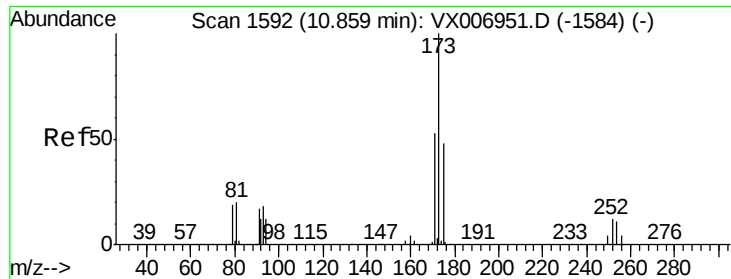
MMDadoda
1/25/2019 10:30:33 AM



#70
Styrene
Concen: 19.514 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion:104 Resp: 266983
Ion Ratio Lower Upper
104 100
78 47.3 37.7 56.5
103 56.0 43.8 65.8





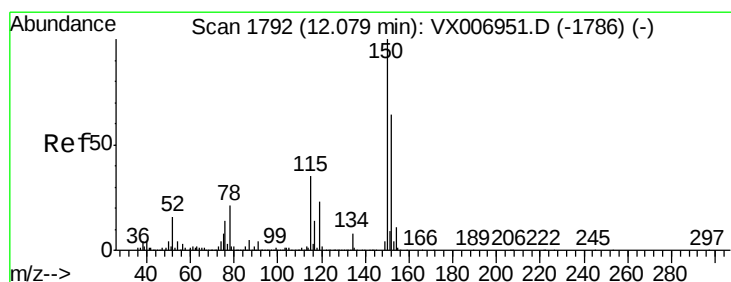
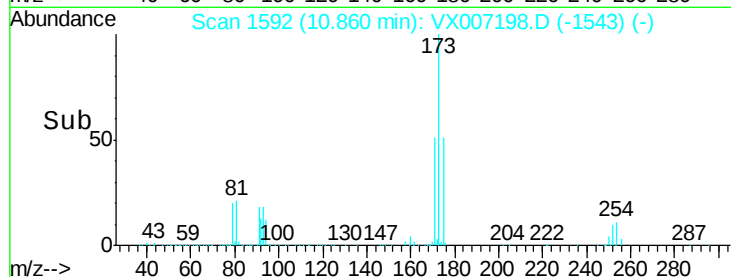
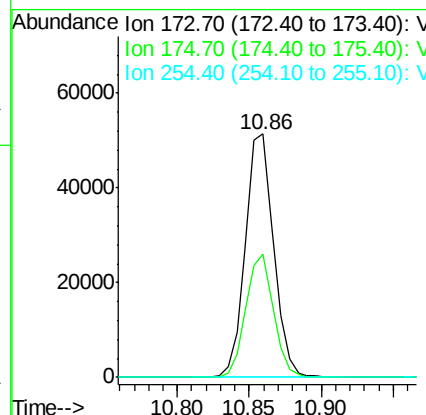
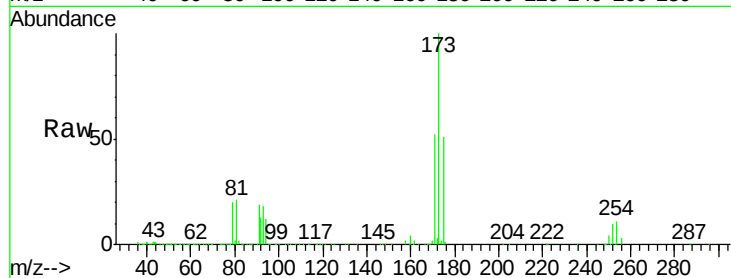
#71
Bromoform
Concen: 20.249 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.7	74.1
254	0.1	0.2	0.2

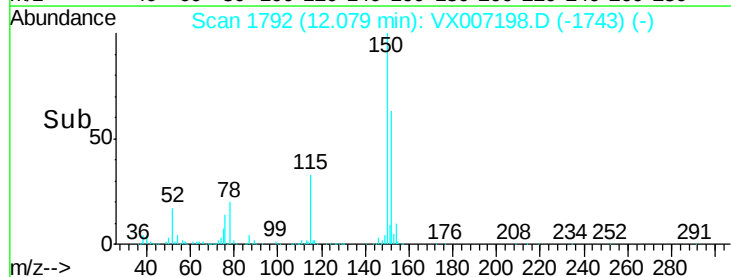
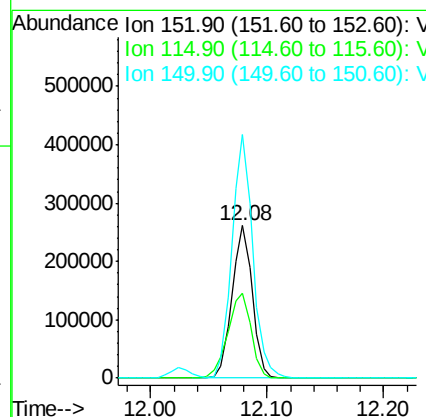
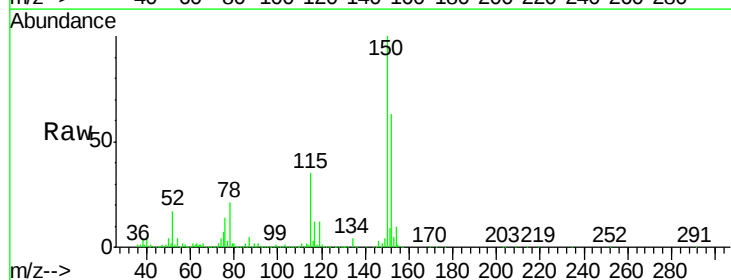
Manual Integrations
APPROVED

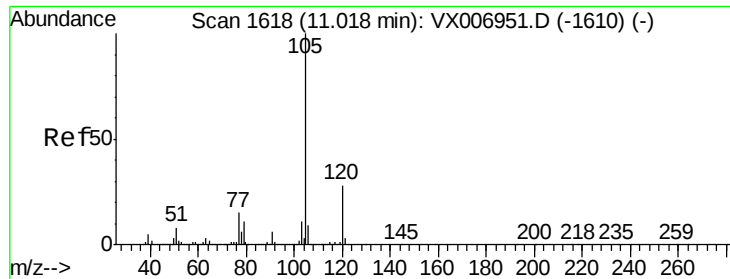
MMDadoda
1/25/2019 10:30:33 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	39.1	117.2
150	164.3	0.0	344.8





#73

Isopropylbenzene

Concen: 19.889 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 105 Resp: 441975

Ion Ratio Lower Upper

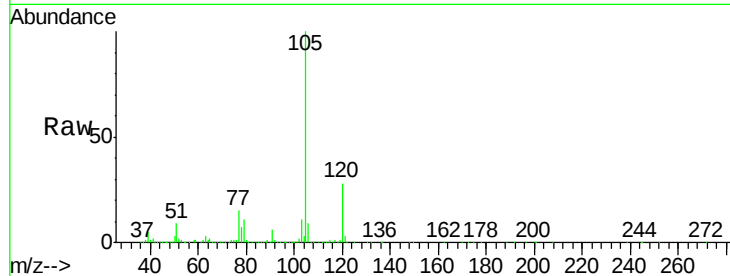
105 100

120 27.8 14.1 42.4

Manual Integrations
APPROVED

MMDadoda

1/25/2019 10:30:33 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

400000

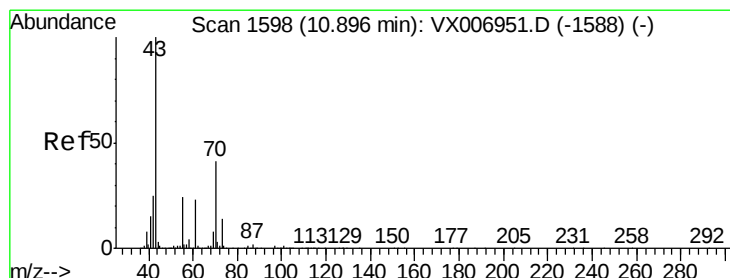
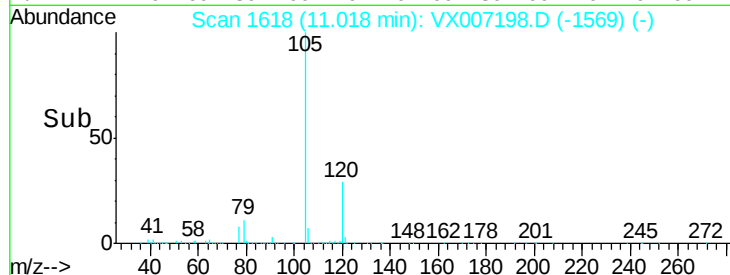
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.950 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Tgt Ion: 43 Resp: 178493

Ion Ratio Lower Upper

43 100

70 43.5 35.8 53.8

55 25.1 19.4 29.0

61 24.7 20.1 30.1

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

200000

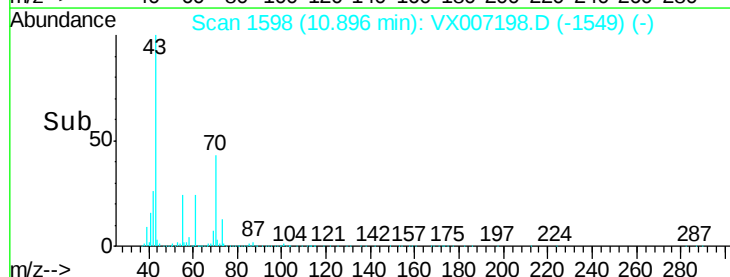
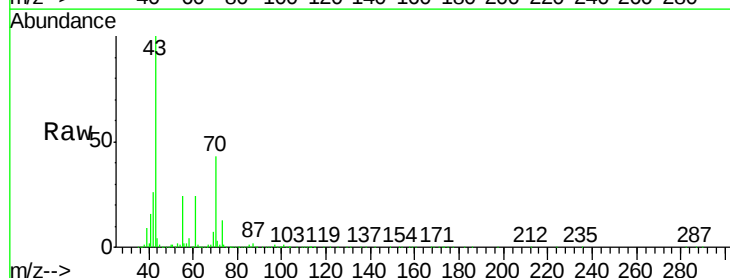
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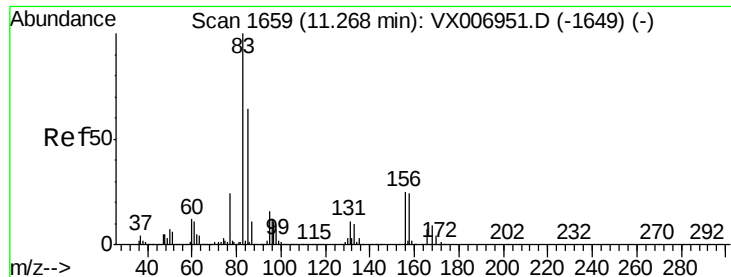
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.342 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion: 83 Resp: 150567

Ion Ratio Lower Upper

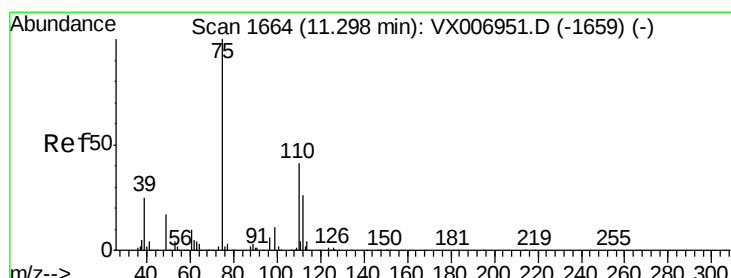
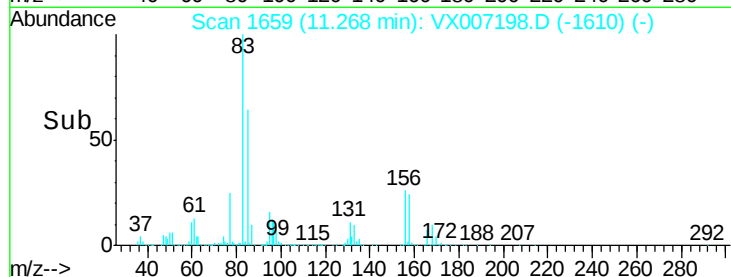
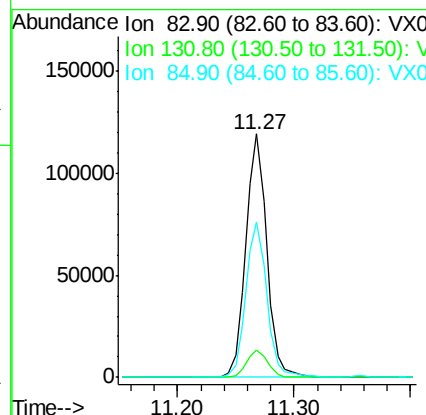
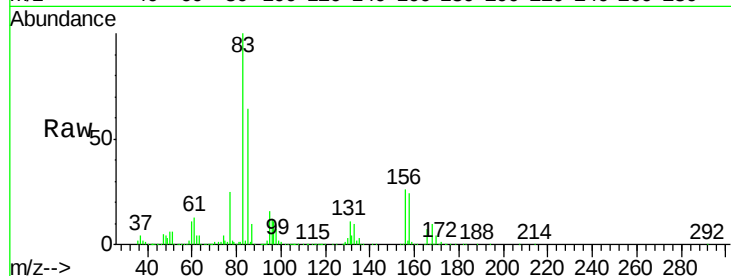
83 100

131 11.2 5.7 17.1

85 63.9 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 21.513 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX007198.D

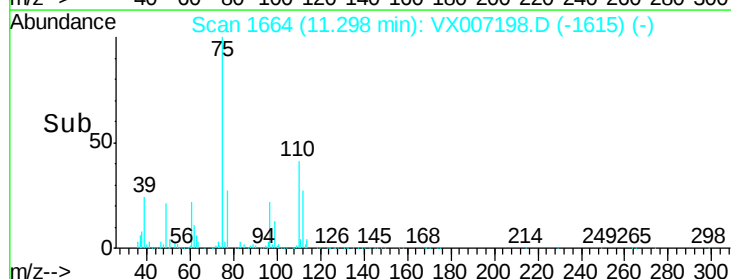
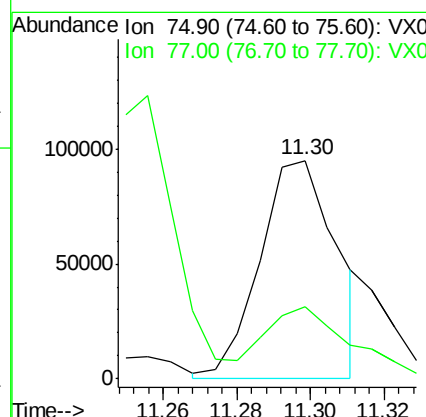
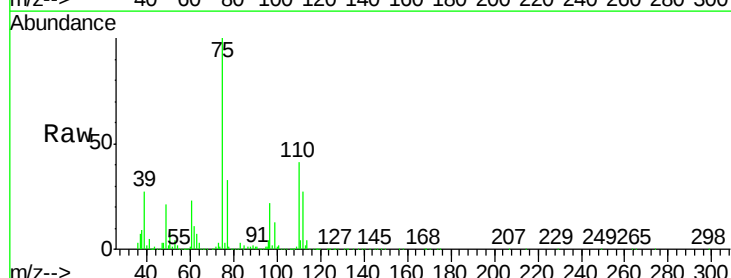
Acq: 24 Jan 2019 12:49

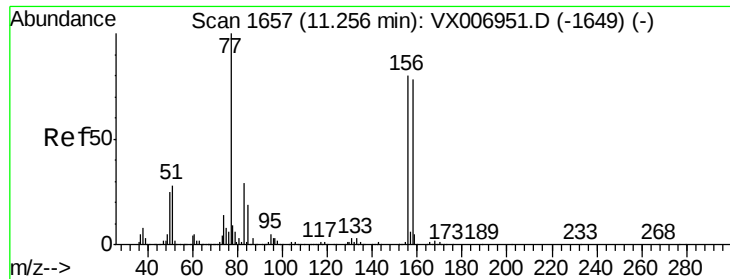
Tgt Ion: 75 Resp: 137386

Ion Ratio Lower Upper

75 100

77 36.4 18.5 55.5





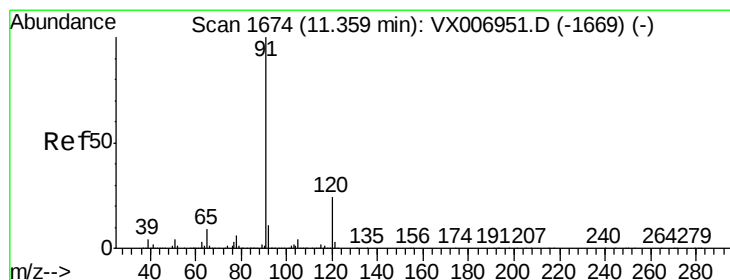
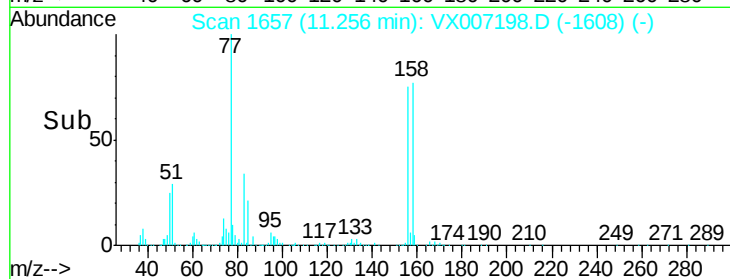
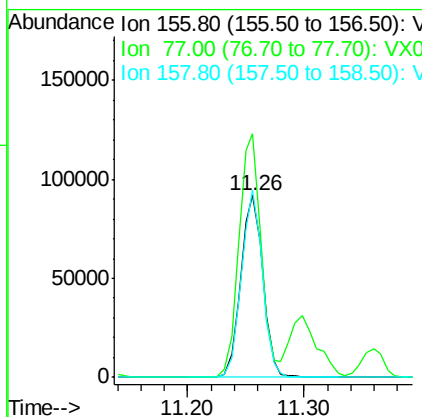
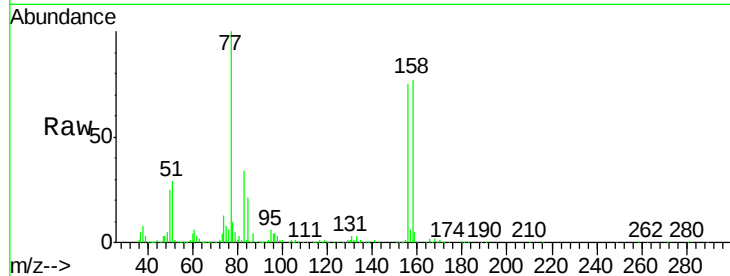
#77
Bromobenzene
Concen: 19.934 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.1	68.0	204.0
158	97.8	48.3	144.8

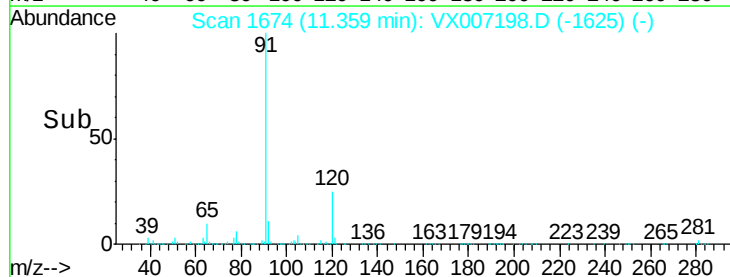
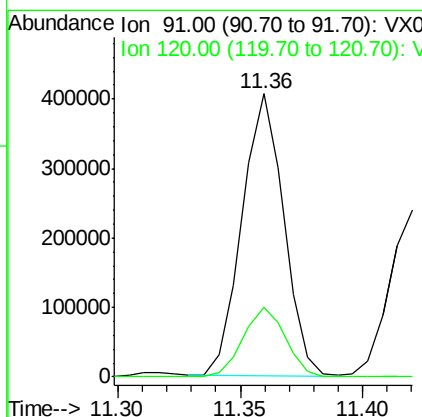
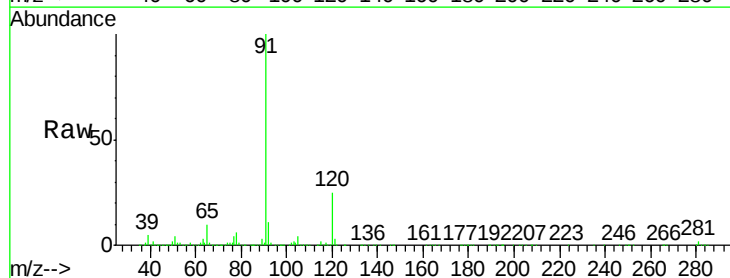
Manual Integrations
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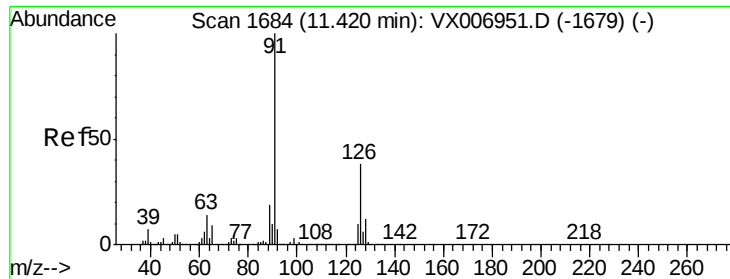
MMDadoda
1/25/2019 10:30:33 AM



#78
n-propylbenzene
Concen: 19.854 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.974 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampled :

VX0124WBS01

Tot Ion: 91 Resp: 293322

Ion Ratio Lower Upper

91 100

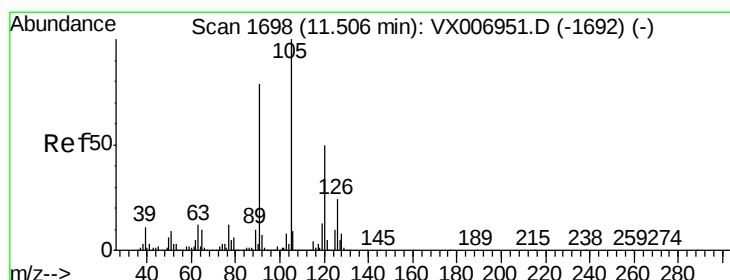
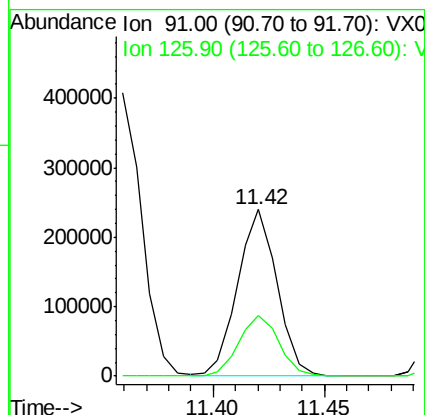
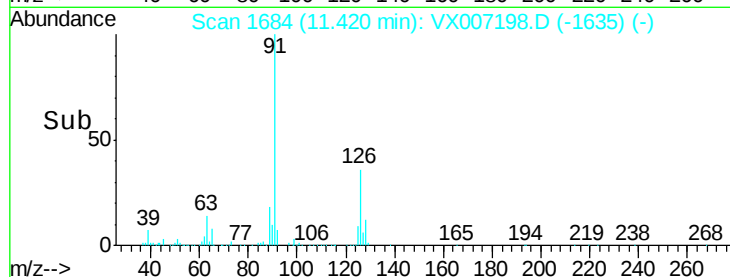
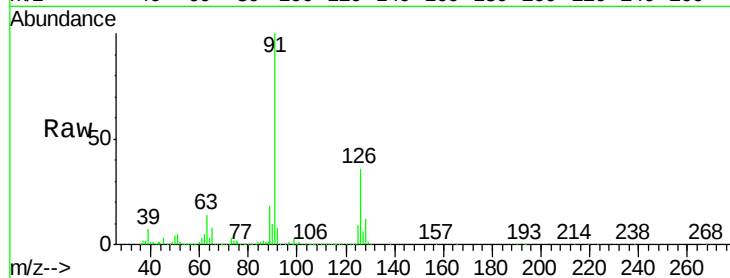
126 37.6 18.6 56.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.316 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007198.D

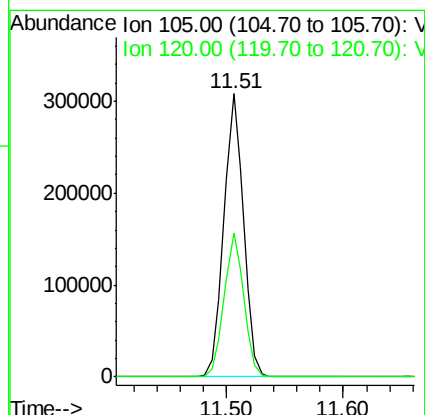
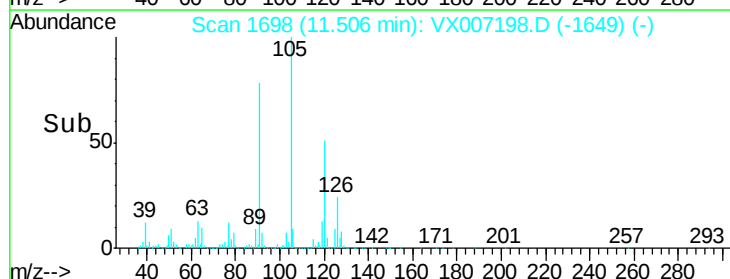
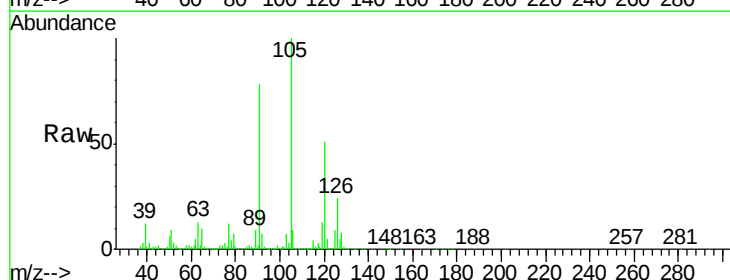
Acq: 24 Jan 2019 12:49

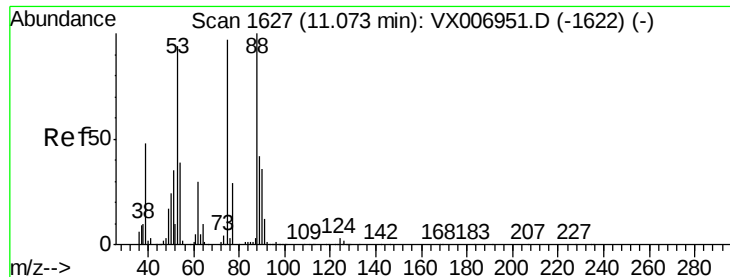
Tgt Ion: 105 Resp: 358668

Ion Ratio Lower Upper

105 100

120 50.6 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.427 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

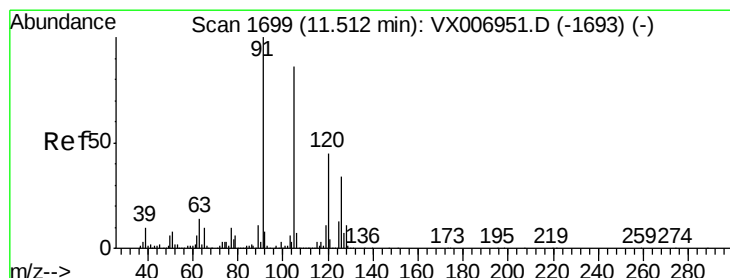
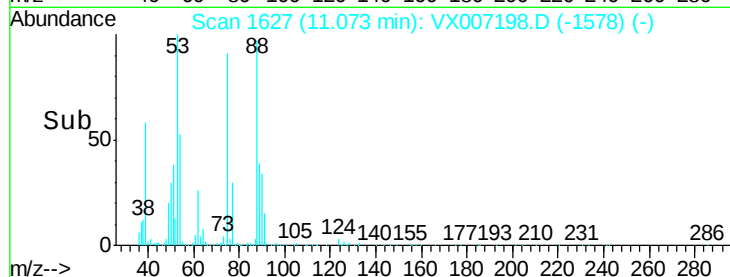
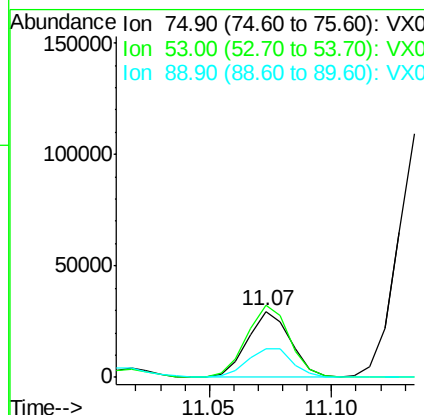
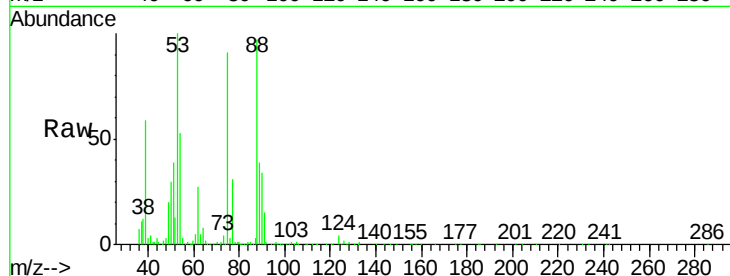
ClientSampled :

VX0124WBS01

Tot Ion:	75	Resp:	35817
Ion Ratio	Lower	Upper	
75	100		
53	110.3	79.7	119.5
89	46.6	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.497 ug/l

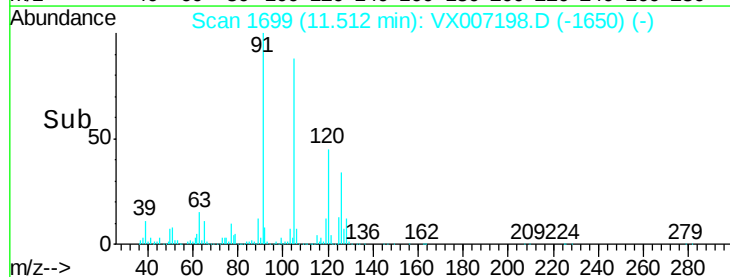
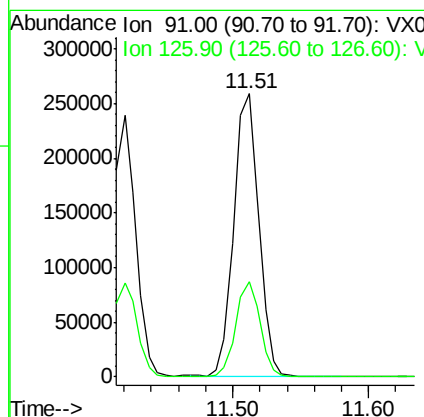
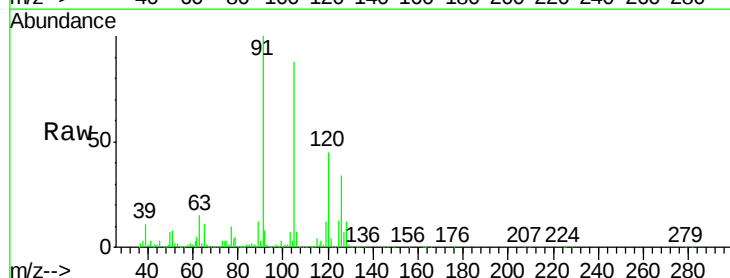
RT: 11.51 min Scan# 1699

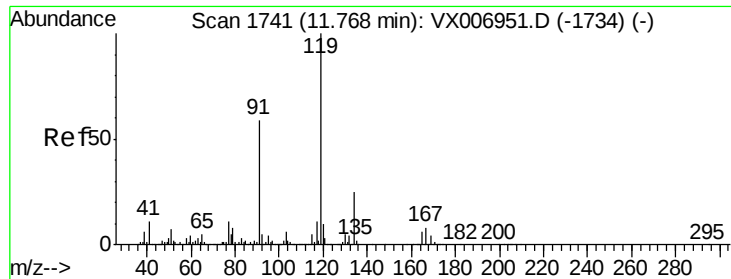
Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Tgt Ion:	91	Resp:	331500
Ion Ratio	Lower	Upper	
91	100		
126	32.6	16.3	48.9





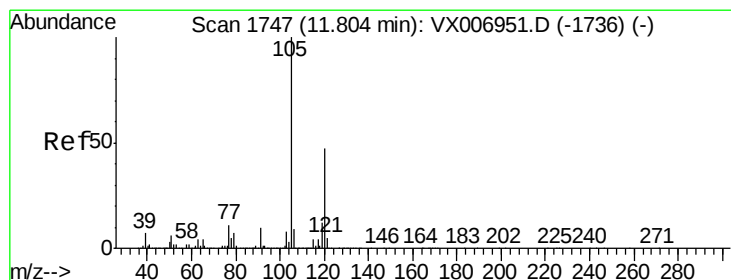
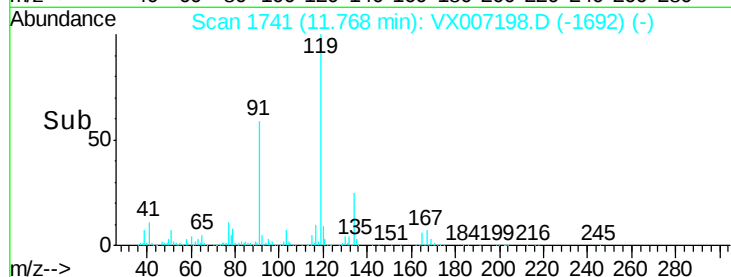
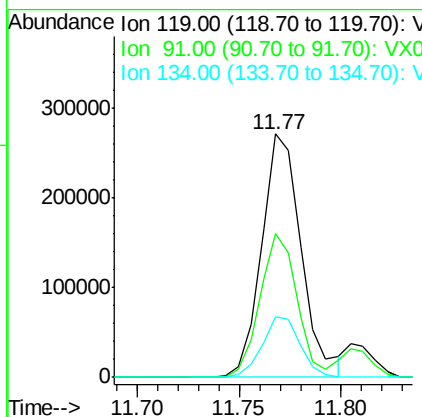
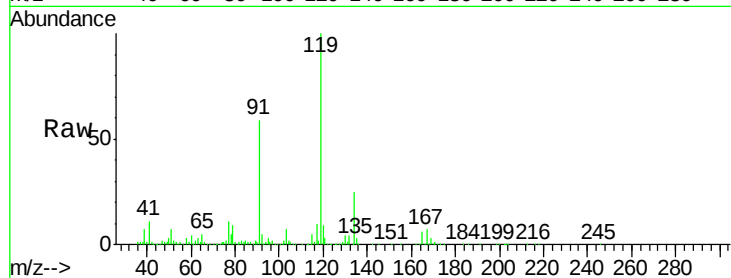
#83
 tert-Butylbenzene
 Concen: 19.808 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007198.D
 Acq: 24 Jan 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	366966		
91	55.3	27.7	83.1	
134	23.8	11.9	35.5	

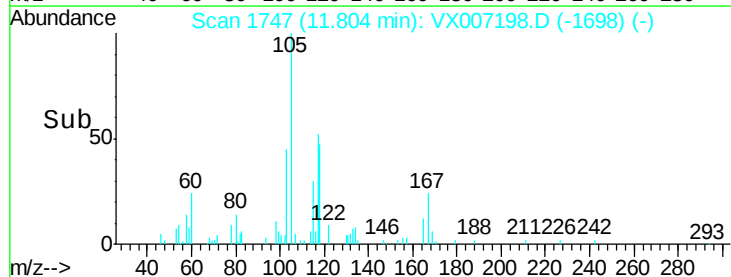
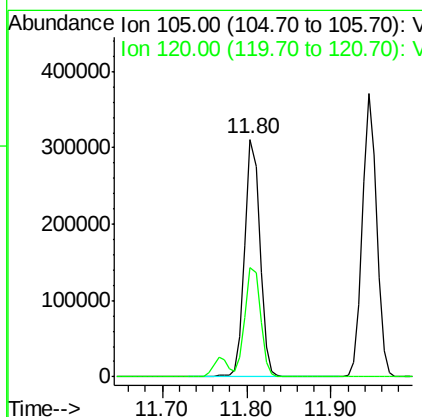
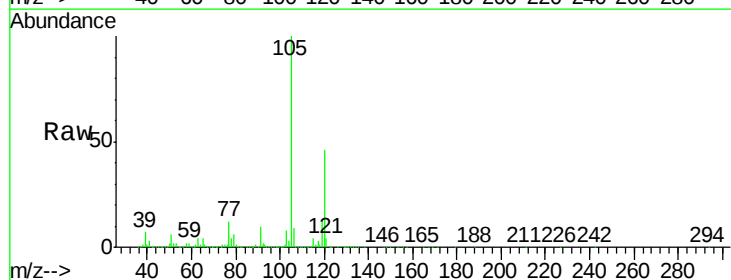
Manual Integrations
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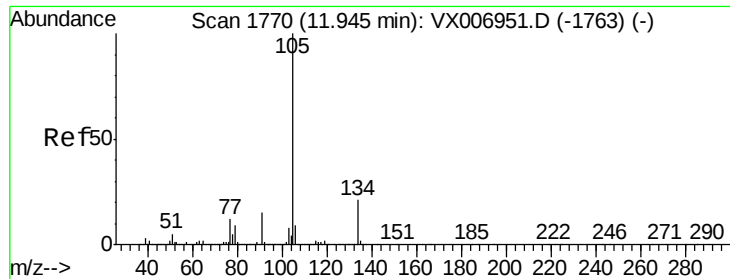
MMDadoda
 1/25/2019 10:30:33 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.976 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007198.D
 Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	372995		
120	46.5	23.2	69.6	





#85

sec-Butylbenzene

Concen: 19.929 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBS01

Tot Ion:105 Resp: 440935

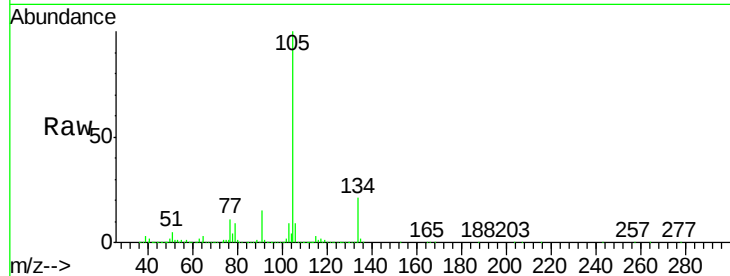
Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9

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

Ion 134.00 (133.70 to 134.70): V

11.94

400000

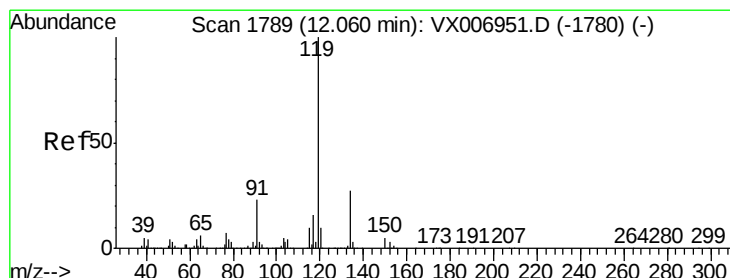
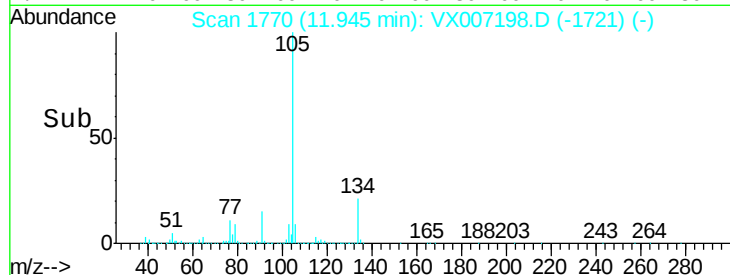
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.671 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

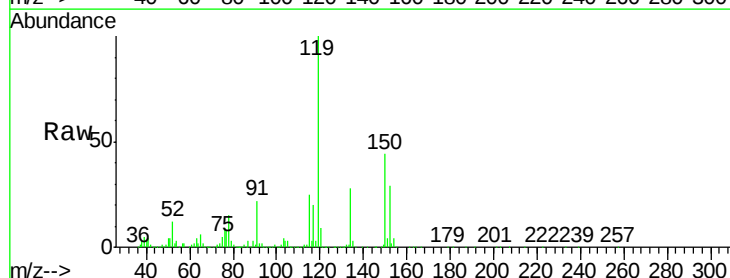
Tgt Ion:119 Resp: 389294

Ion Ratio Lower Upper

119 100

134 27.4 14.0 41.9

91 22.7 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

400000

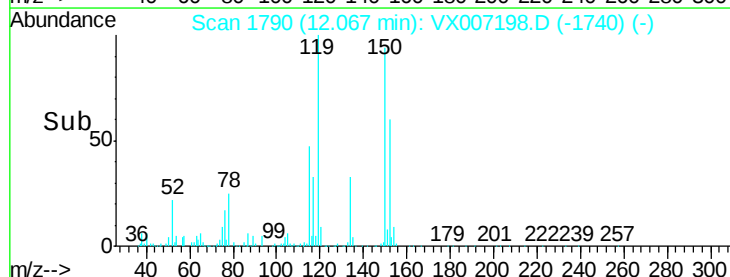
300000

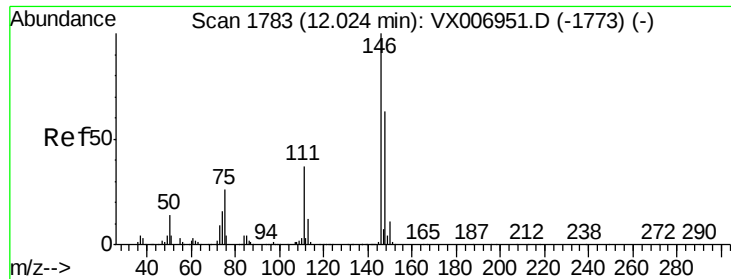
200000

100000

0

Time-->





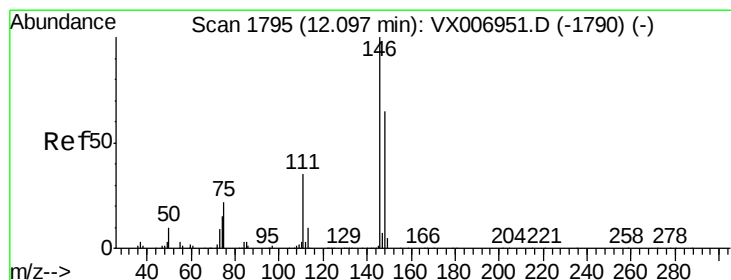
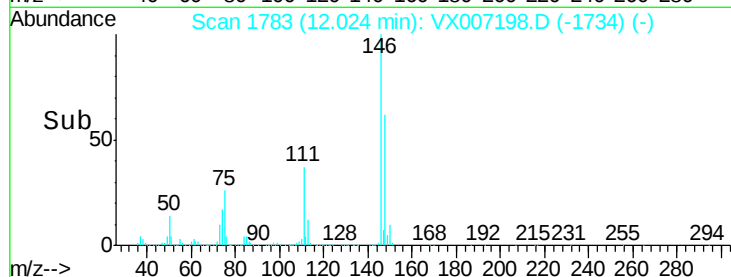
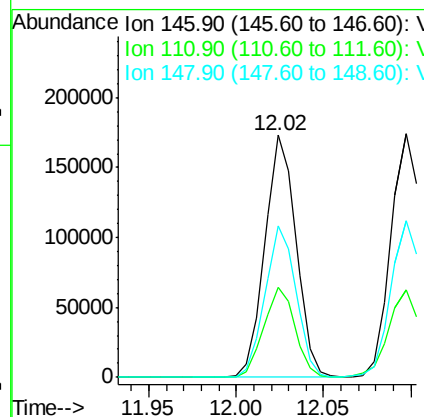
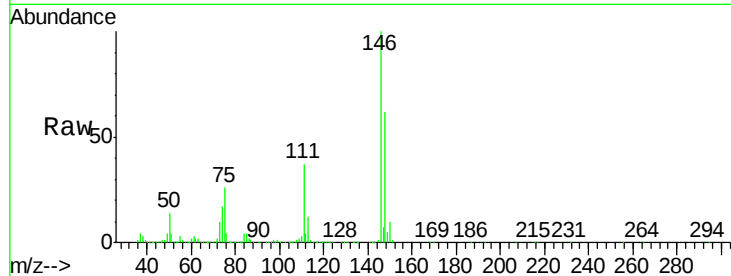
#87
 1,3-Dichlorobenzene
 Concen: 19.498 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007198.D
 Acq: 24 Jan 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	62.2	31.8	95.3

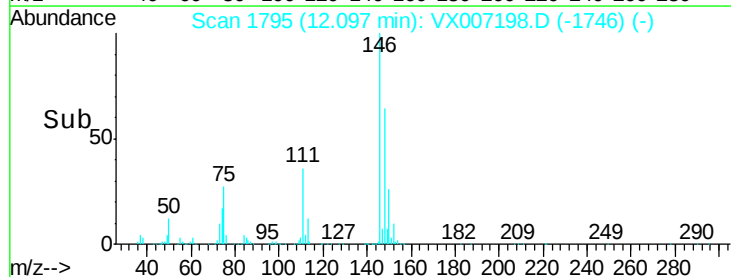
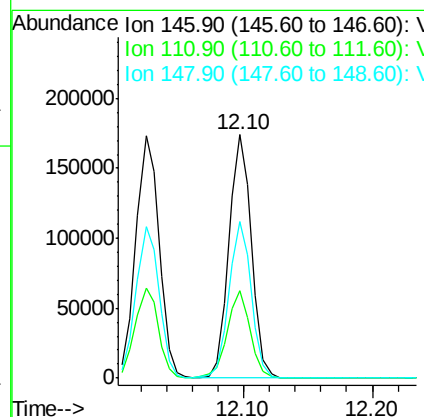
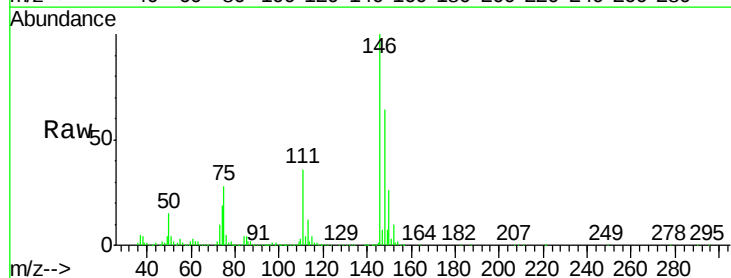
Manual Integrations
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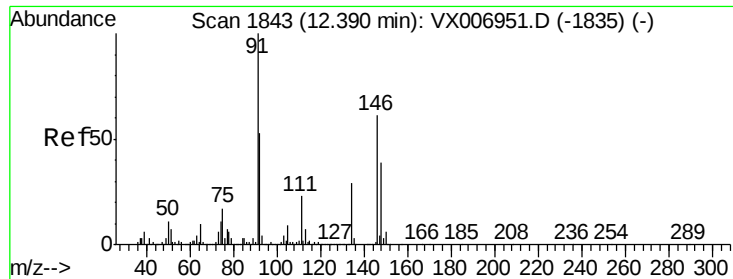
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#88
 1,4-Dichlorobenzene
 Concen: 20.551 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007198.D
 Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	63.9	31.9	95.9





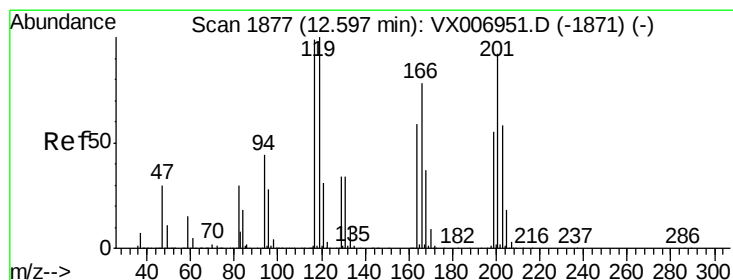
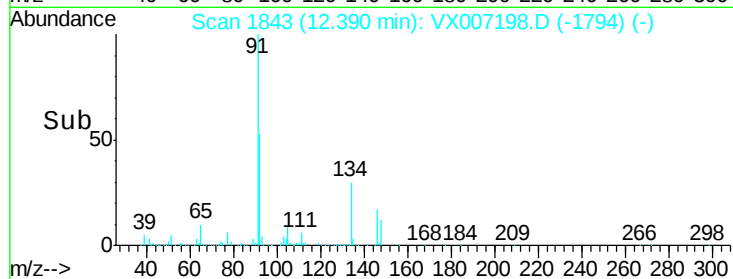
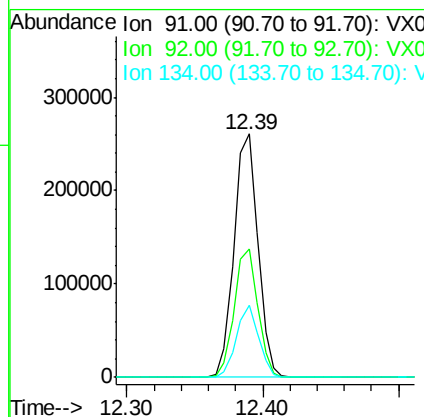
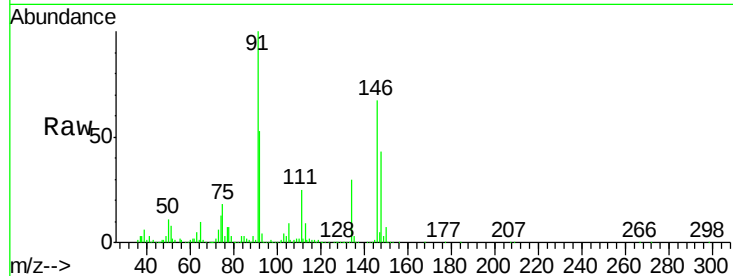
#89
n-Butylbenzene
Concen: 18.926 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.8	80.4
134	27.9	14.4	43.2

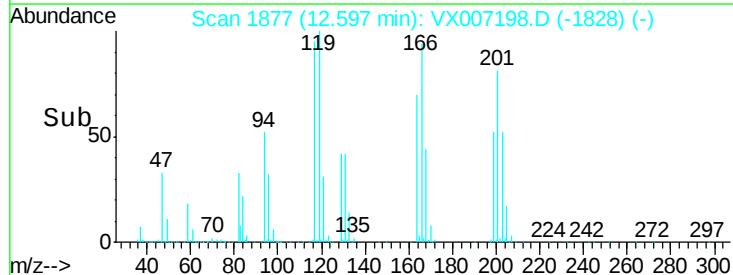
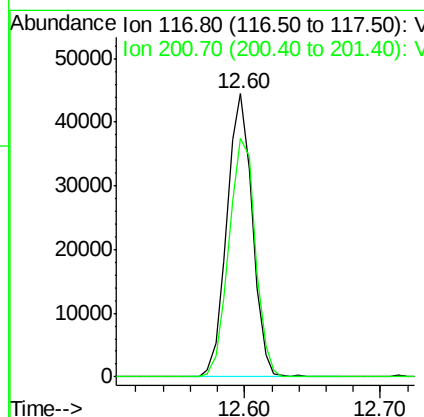
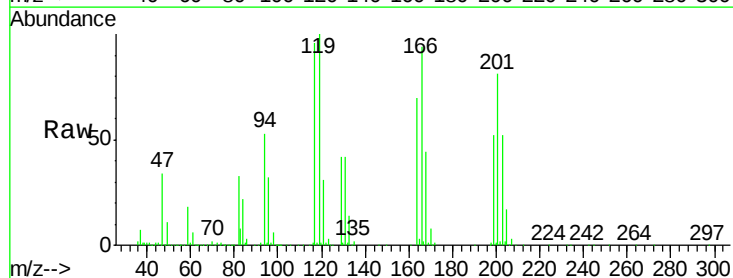
Manual Integrations
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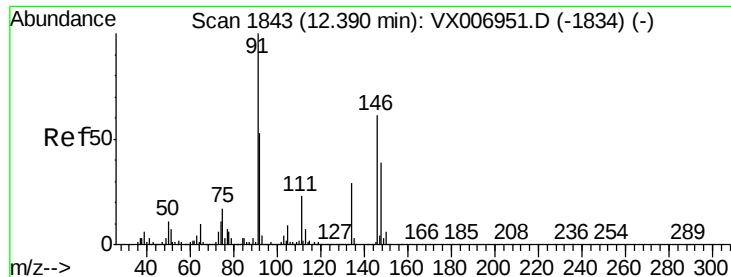
MMDadoda
1/25/2019 10:30:33 AM



#90
Hexachloroethane
Concen: 20.140 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007198.D
Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.7	42.9	128.7





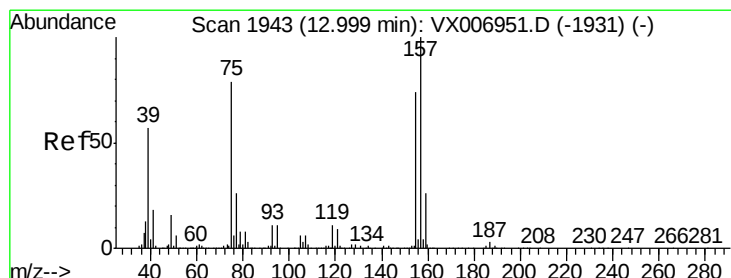
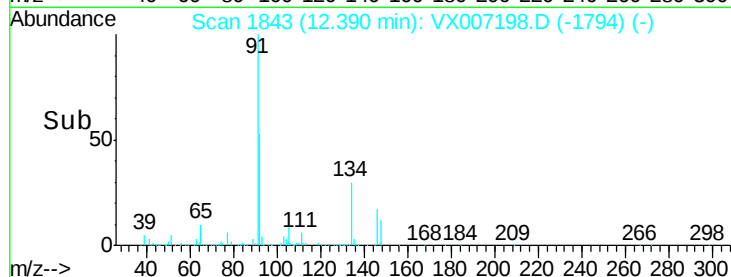
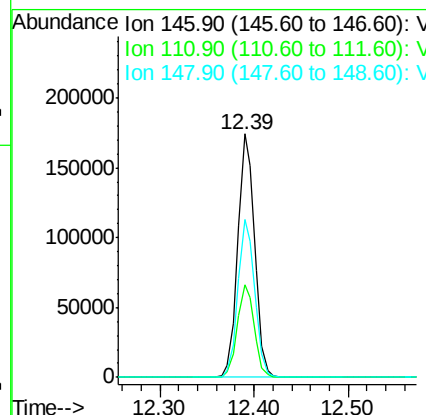
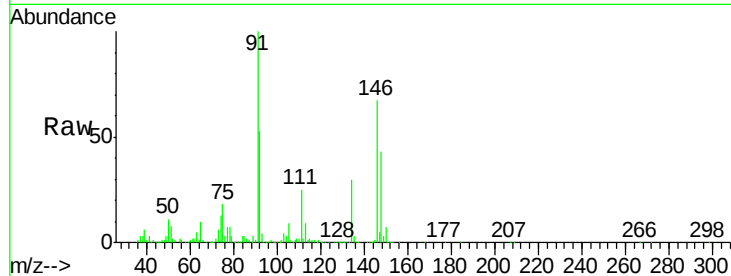
#91
 1,2-Dichlorobenzene
 Concen: 19.760 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007198.D
 Acq: 24 Jan 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.4	58.2
148	64.7	32.3	96.9

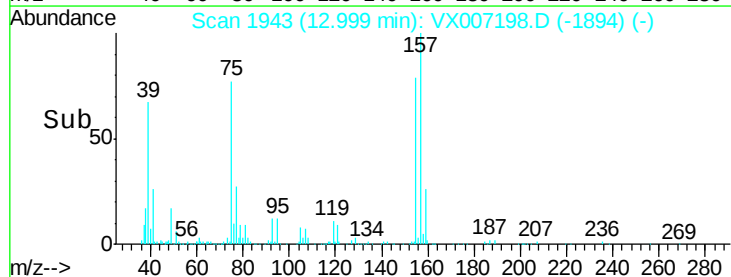
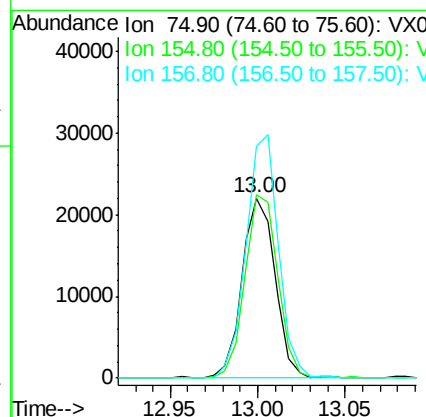
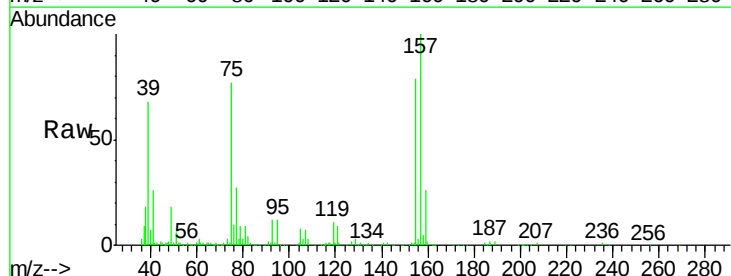
Manual Integrations
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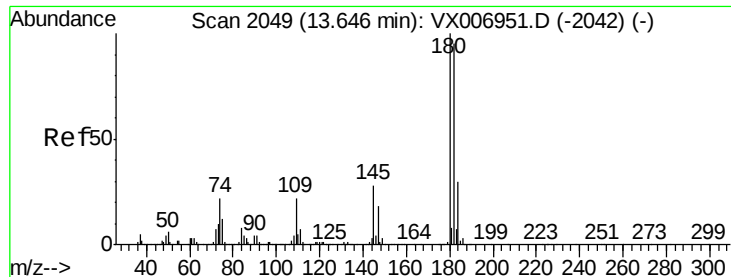
MMDadoda
 1/25/2019 10:30:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.798 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007198.D
 Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.5	50.6	151.8
157	133.0	64.6	193.8





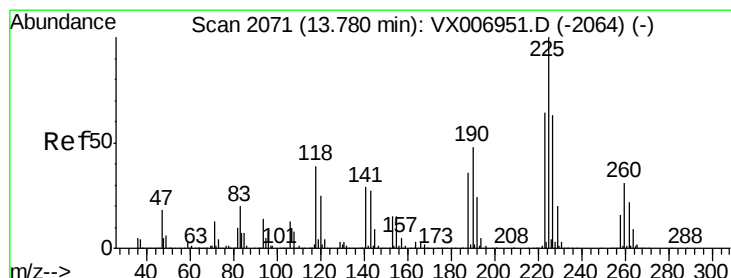
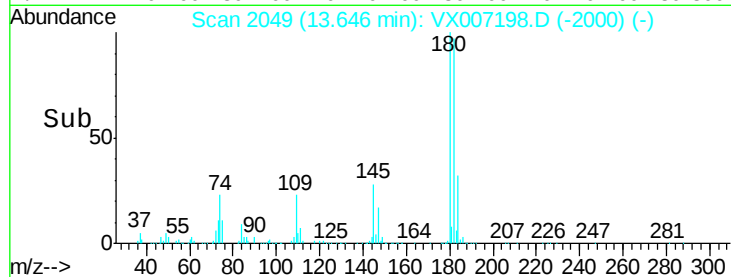
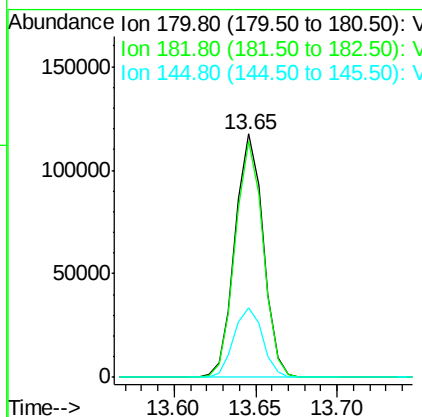
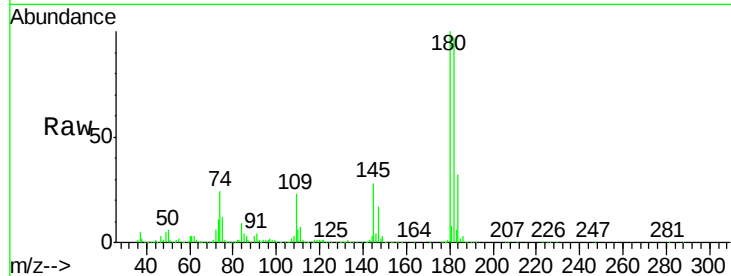
#93
 1,2,4-Trichlorobenzene
 Concen: 18.977 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX007198.D
 Acq: 24 Jan 2019 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	142195		
182	96.1	47.3	142.0	
145	29.2	14.8	44.3	

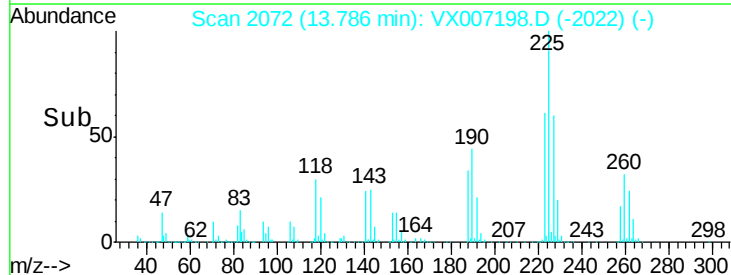
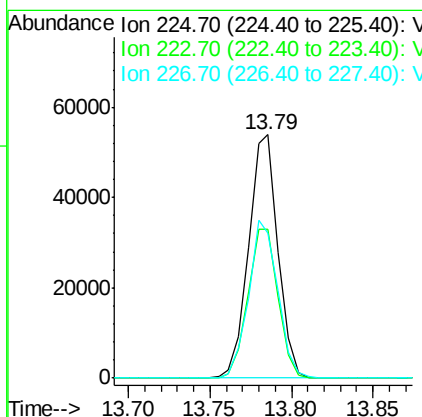
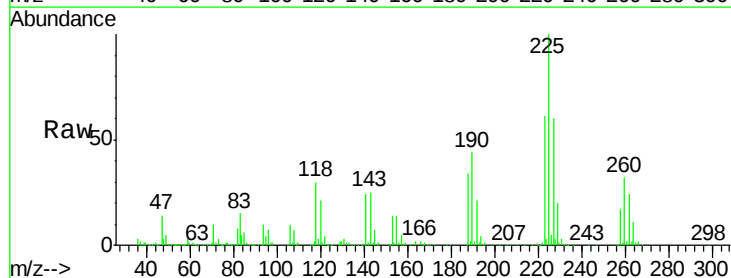
Manual Integrations
 APPROVED

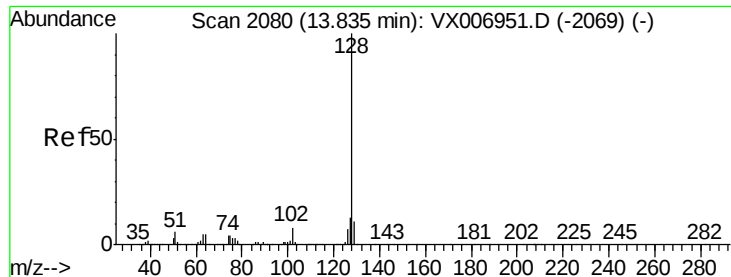
MMDadoda
 1/25/2019 10:30:33 AM



#94
 Hexachlorobutadiene
 Concen: 20.282 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX007198.D
 Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67441		
223	63.5	32.1	96.3	
227	64.8	32.3	96.8	





#95

Naphthalene

Concen: 19.923 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Instrument :

MSVOA_X

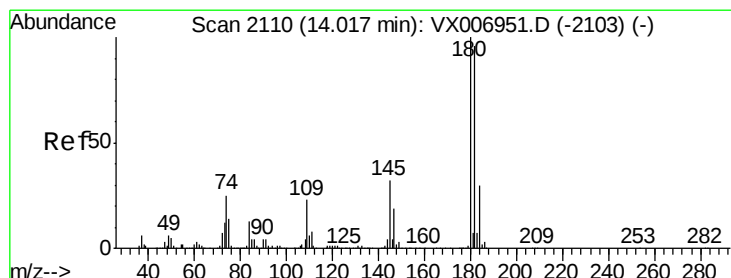
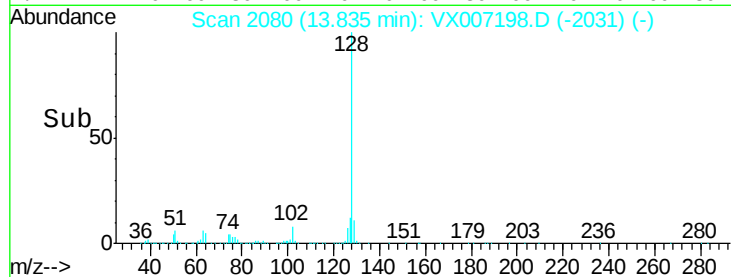
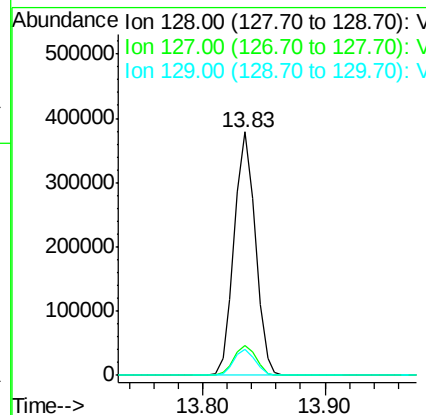
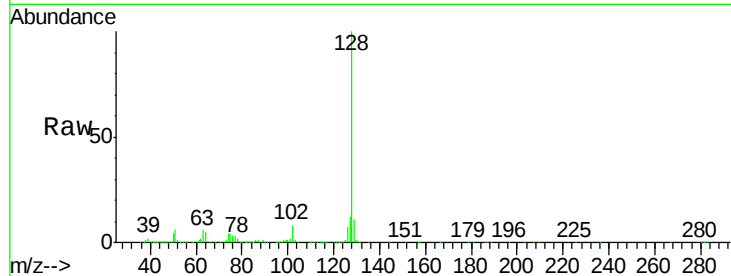
ClientSampled :

VX0124WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/25/2019 10:30:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.788 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.01 min

Lab File: VX007198.D

Acq: 24 Jan 2019 12:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.5	145.5
145	29.9	16.0	47.9

