

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052219\
 Data File : VX009816.D
 Acq On : 22 May 2019 19:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:45:12 AM

Quant Time: May 23 08:20:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	175492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	288404	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	261740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	109887	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
35) Dibromofluoromethane	5.50	113	78855	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	
50) Toluene-d8	8.71	98	330080	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	
62) 4-Bromofluorobenzene	11.13	95	118991	44.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67474	41.723	ug/l	99
3) Chloromethane	1.32	50	105915	47.971	ug/l	98
4) Vinyl Chloride	1.41	62	100558	46.707	ug/l	98
5) Bromomethane	1.64	94	65652	50.805	ug/l	98
6) Chloroethane	1.71	64	63472	45.918	ug/l	100
7) Trichlorofluoromethane	1.92	101	120454	46.027	ug/l	98
8) Diethyl Ether	2.19	74	56585	45.646	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	70984	43.193	ug/l	99
10) Methyl Iodide	2.51	142	90446	47.609	ug/l	99
11) Tert butyl alcohol	3.06	59	128853	232.360	ug/l	99
12) 1,1-Dichloroethene	2.37	96	74946	45.515	ug/l	95
13) Acrolein	2.29	56	104540	208.160	ug/l	100
14) Allyl chloride	2.73	41	185580	46.247	ug/l	99
15) Acrylonitrile	3.14	53	314291	231.797	ug/l	99
16) Acetone	2.45	43	281309	218.682	ug/l	95
17) Carbon Disulfide	2.57	76	220974	47.799	ug/l	100
18) Methyl Acetate	2.78	43	136775	44.708	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	295407	46.199	ug/l	99
20) Methylene Chloride	2.85	84	91399	43.882	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	81930	45.879	ug/l	99
22) Diisopropyl ether	3.85	45	361668	46.866	ug/l	96
23) Vinyl Acetate	3.82	43	1641778	248.443	ug/l	100
24) 1,1-Dichloroethane	3.70	63	173694	45.625	ug/l	99
25) 2-Butanone	4.68	43	474048	237.142	ug/l	98
26) 2,2-Dichloropropane	4.58	77	116831	41.230	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	96865	45.444	ug/l	99
28) Bromochloromethane	5.02	49	90128	59.323	ug/l	97
29) Tetrahydrofuran	5.13	42	314283	244.322	ug/l	98
30) Chloroform	5.21	83	158475	46.026	ug/l	98
31) Cyclohexane	5.58	56	165874	46.832	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	131655	45.933	ug/l	99
36) 1,1-Dichloropropene	5.80	75	122085	45.551	ug/l	99
37) Ethyl Acetate	4.84	43	178985	47.930	ug/l	99
38) Carbon Tetrachloride	5.78	117	109318	44.892	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	147769	44.894	ug/l	97
40) Benzene	6.14	78	375728	45.297	ug/l	99
41) Methacrylonitrile	5.04	41	101727	45.763	ug/l	98
42) 1,2-Dichloroethane	6.19	62	138413	46.519	ug/l	98
43) Isopropyl Acetate	6.45	43	283904	47.530	ug/l	98
44) Trichloroethene	7.21	130	87938	43.854	ug/l	93
45) 1,2-Dichloropropane	7.51	63	107052	45.579	ug/l	99
46) Dibromomethane	7.66	93	60492	44.352	ug/l	99
47) Bromodichloromethane	7.90	83	123682	45.460	ug/l	100
48) Methyl methacrylate	7.77	41	144602	48.795	ug/l	97
49) 1,4-Dioxane	7.74	88	52864	879.627	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	947095	242.584	ug/l	99
52) Toluene	8.78	92	230988	45.812	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	145703	47.435	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	156803	46.120	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	93023	45.222	ug/l	96
56) Ethyl methacrylate	9.18	69	174137	47.424	ug/l	97
57) 1,3-Dichloropropane	9.37	76	164635	45.481	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	441450	226.623	ug/l	99
59) 2-Hexanone	9.49	43	722867	235.745	ug/l	97
60) Dibromochloromethane	9.58	129	93297	46.438	ug/l	99
61) 1,2-Dibromoethane	9.67	107	95038	45.770	ug/l	100
64) Tetrachloroethene	9.34	164	78707	43.838	ug/l	98
65) Chlorobenzene	10.14	112	236974	45.259	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	86125	45.370	ug/l	100
67) Ethyl Benzene	10.25	91	441008	45.766	ug/l	100
68) m/p-Xylenes	10.36	106	322921	91.703	ug/l	97
69) o-Xylene	10.69	106	159293	45.848	ug/l	99
70) Styrene	10.71	104	280071	46.379	ug/l	99
71) Bromoform	10.85	173	71875	46.593	ug/l #	100
73) Isopropylbenzene	11.02	105	420994	45.009	ug/l	99
74) N-amyl acetate	10.90	43	260053	47.688	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	153408	43.996	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	136817m	45.856	ug/l	
77) Bromobenzene	11.26	156	104000	44.797	ug/l	98
78) n-propylbenzene	11.36	91	490271	45.896	ug/l	100
79) 2-Chlorotoluene	11.42	91	291698	44.261	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	359945	45.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52228	44.789	ug/l	97
82) 4-Chlorotoluene	11.51	91	338172	45.422	ug/l	99
83) tert-Butylbenzene	11.77	119	343788	44.873	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	363563	45.991	ug/l	99
85) sec-Butylbenzene	11.94	105	405699	44.665	ug/l	100
86) p-Isopropyltoluene	12.06	119	372330	45.597	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	185723	44.876	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	184507	44.220	ug/l	100
89) n-Butylbenzene	12.38	91	339268	45.968	ug/l	100
90) Hexachloroethane	12.59	117	63584	45.706	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	183513	43.534	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34680	44.337	ug/l	99

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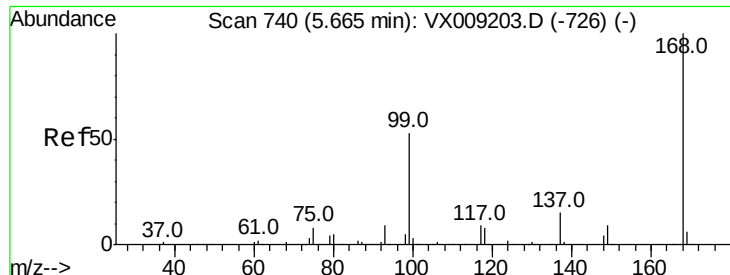
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	130315	45.207	ug/l	98
94) Hexachlorobutadiene	13.78	225	64915	44.099	ug/l	99
95) Naphthalene	13.83	128	423047	45.109	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	130322	44.600	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 175492

Ion Ratio Lower Upper

168 100

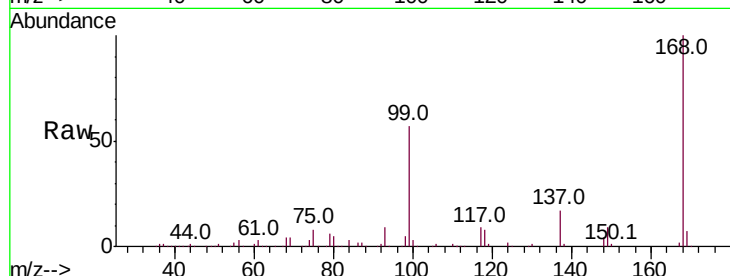
99 56.5 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

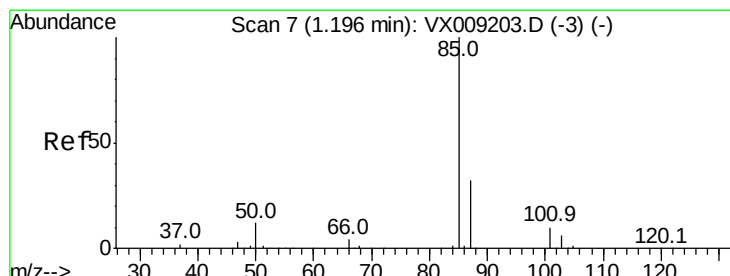
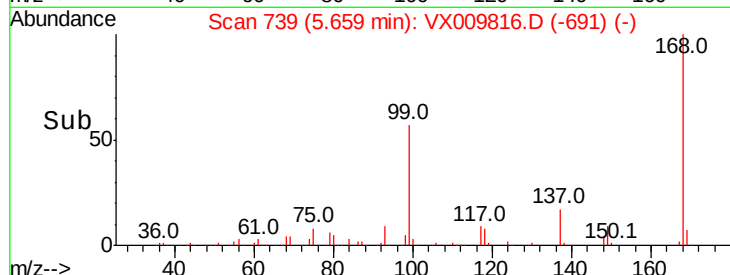
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.723 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009816.D

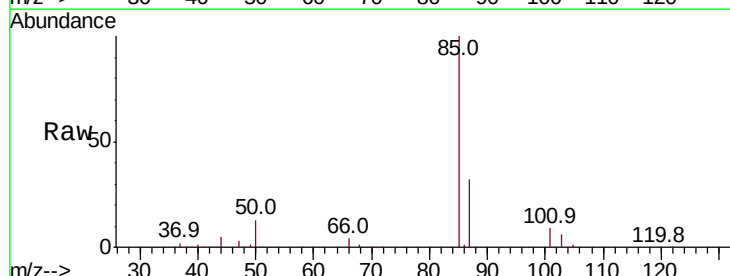
Acq: 22 May 2019 19:51

Tgt Ion: 85 Resp: 67474

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

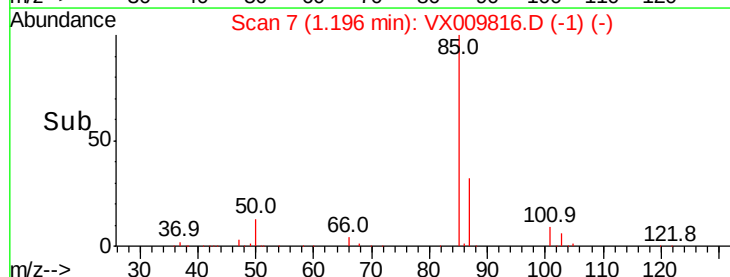
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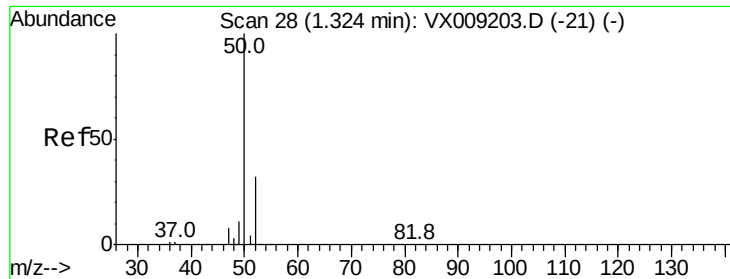
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.971 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 105915

Ion Ratio Lower Upper

50 100

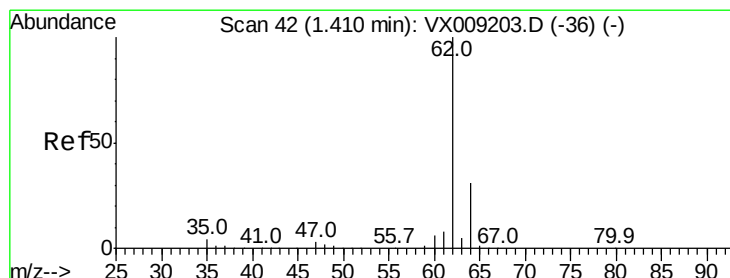
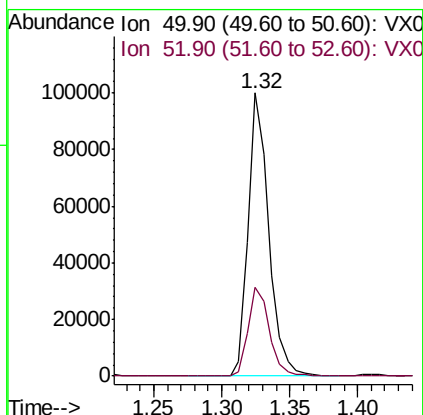
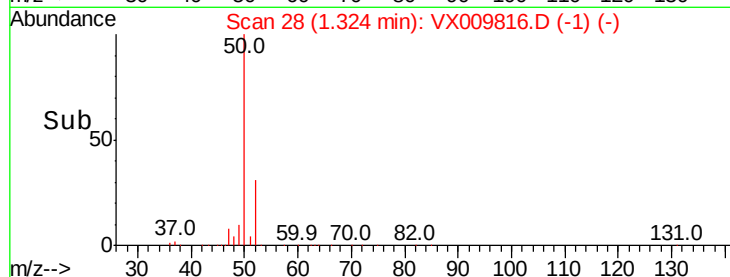
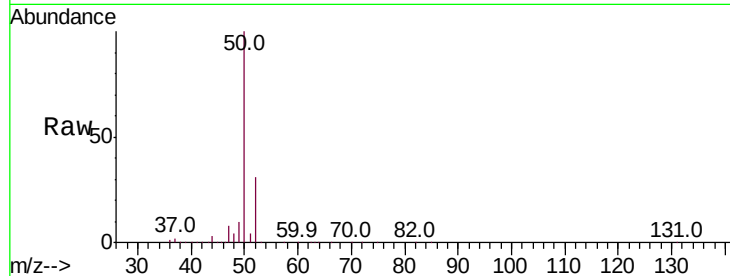
52 31.5 25.9 38.9

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#4

Vinyl Chloride

Concen: 46.707 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009816.D

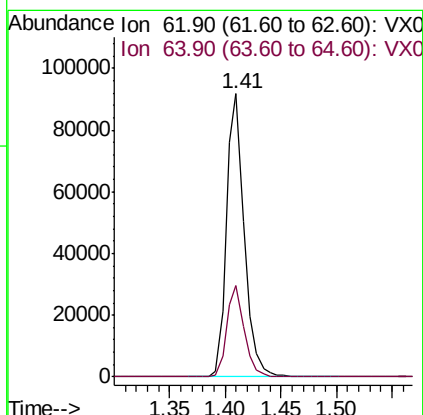
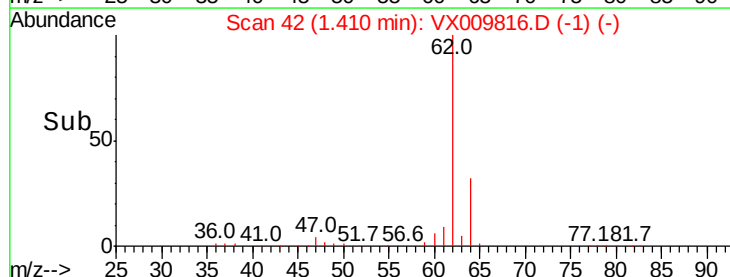
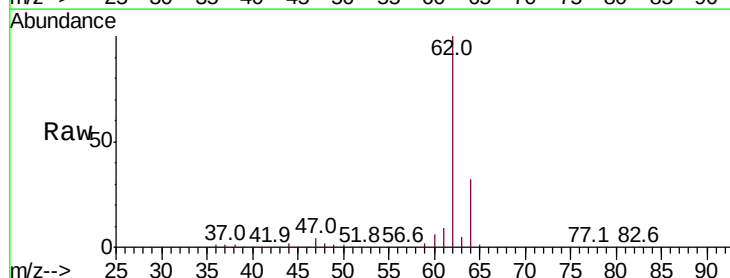
Acq: 22 May 2019 19:51

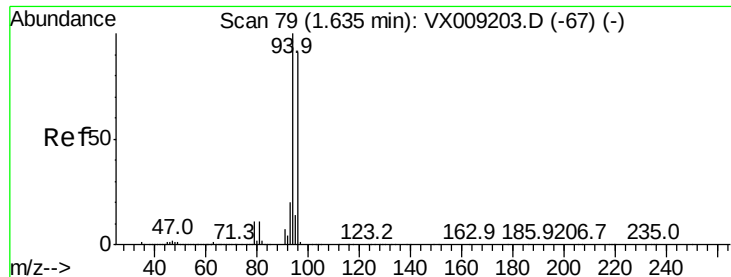
Tgt Ion: 62 Resp: 100558

Ion Ratio Lower Upper

62 100

64 32.0 24.6 36.8





#5

Bromomethane

Concen: 50.805 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 65652

Ion Ratio Lower Upper

94 100

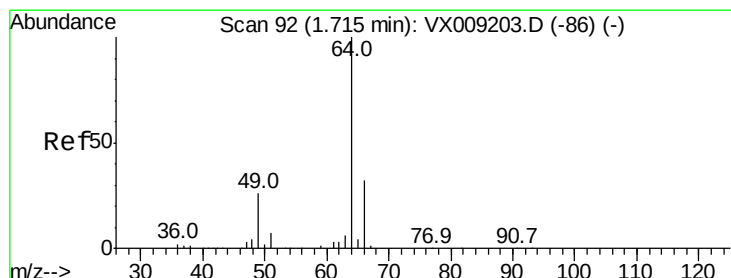
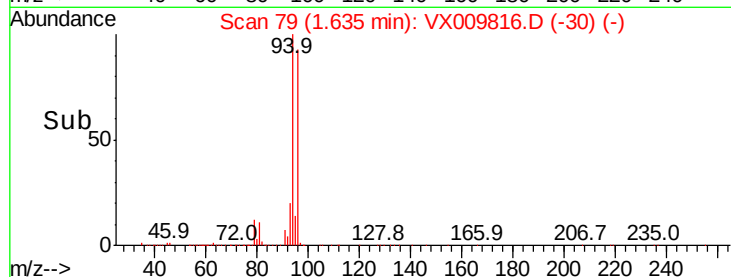
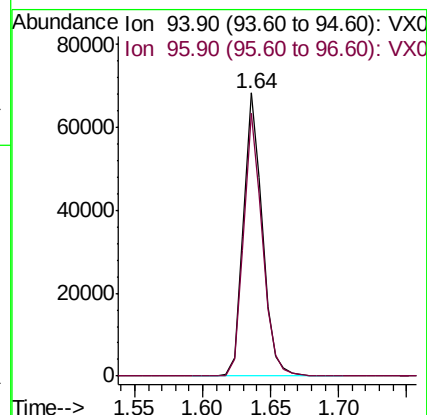
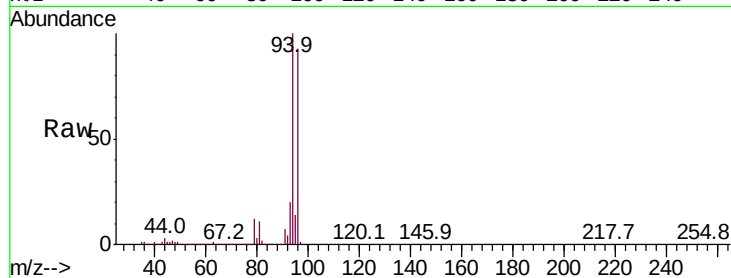
96 93.0 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 45.918 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009816.D

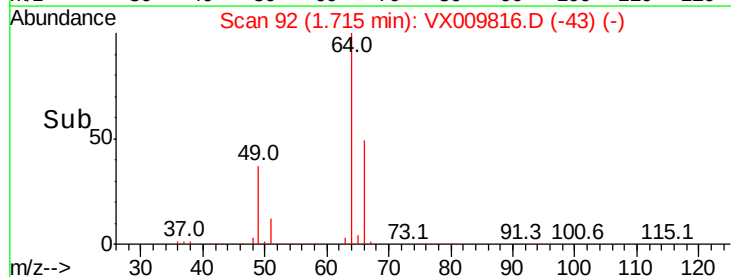
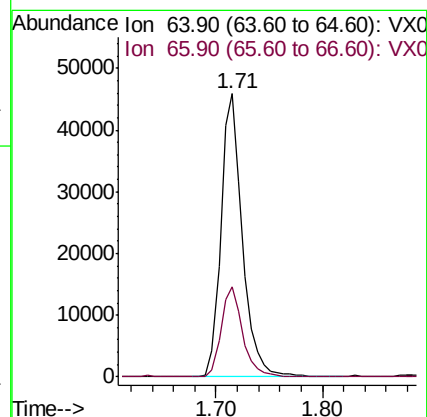
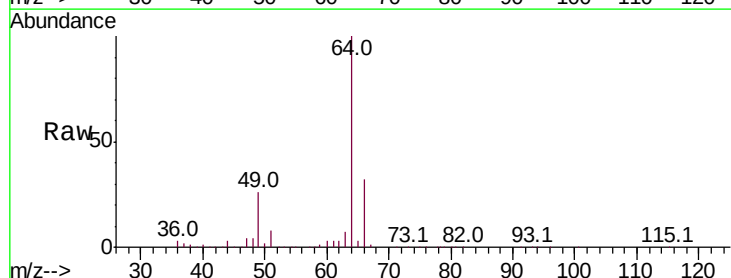
Acq: 22 May 2019 19:51

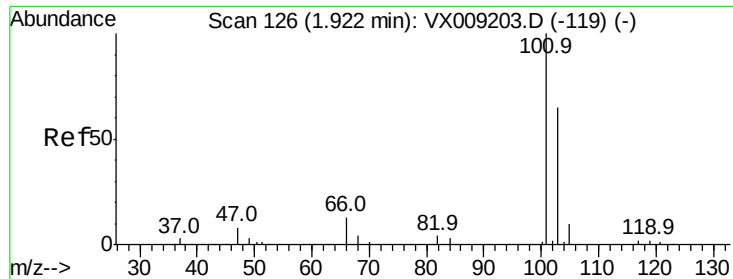
Tgt Ion: 64 Resp: 63472

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9





#7

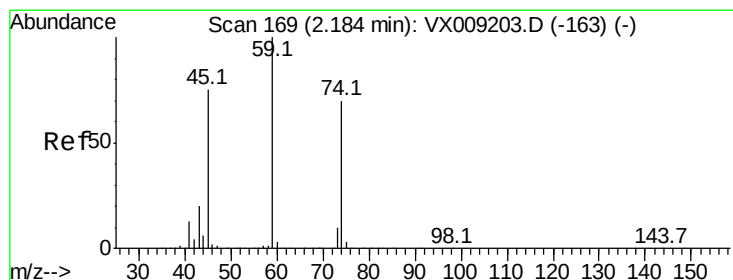
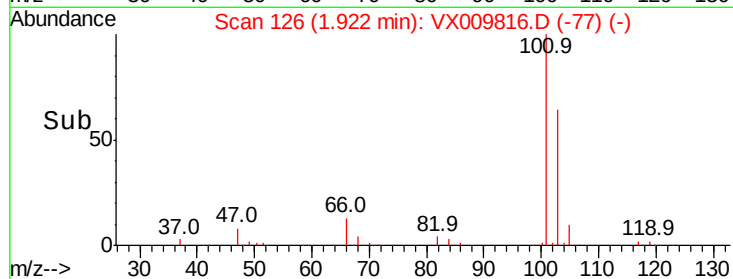
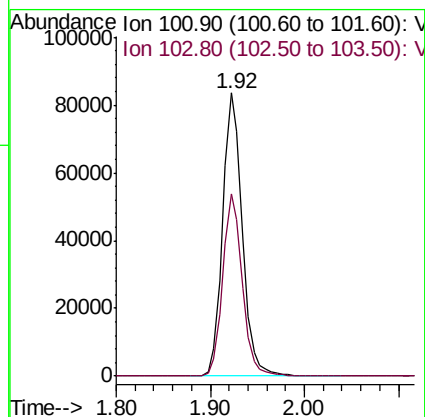
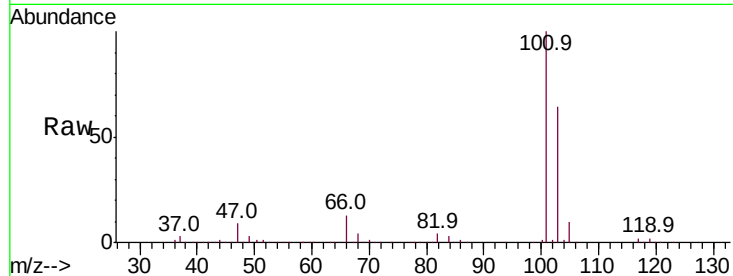
Trichlorofluoromethane
 Concen: 46.027 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.4	78.6

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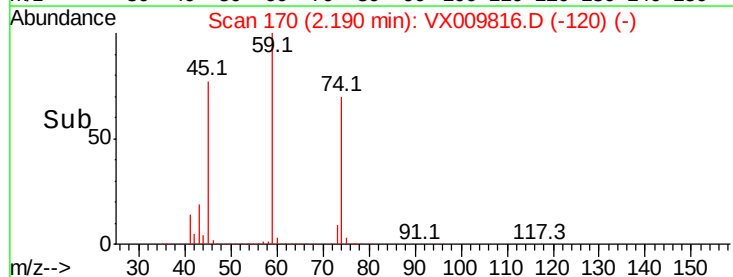
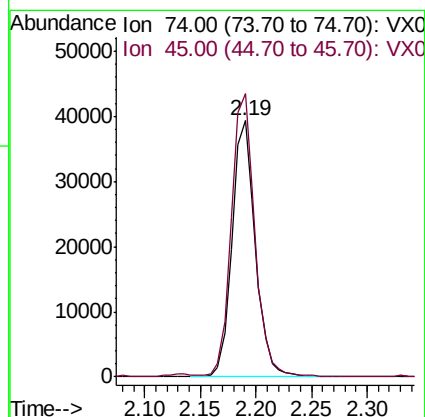
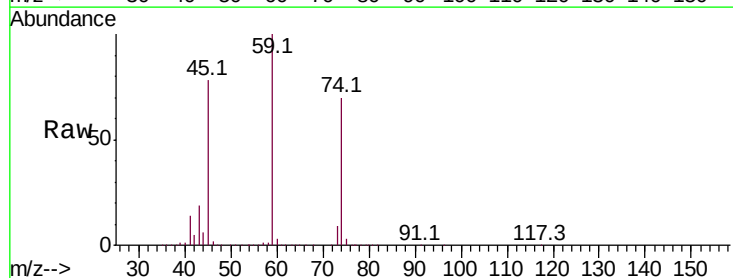
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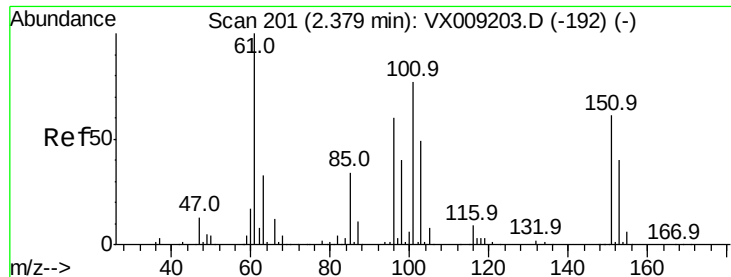


#8

Diethyl Ether
 Concen: 45.646 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.7	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.193 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

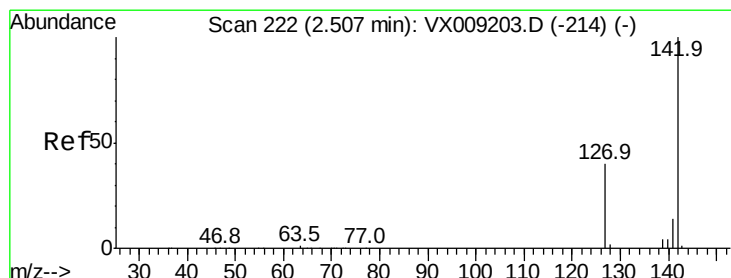
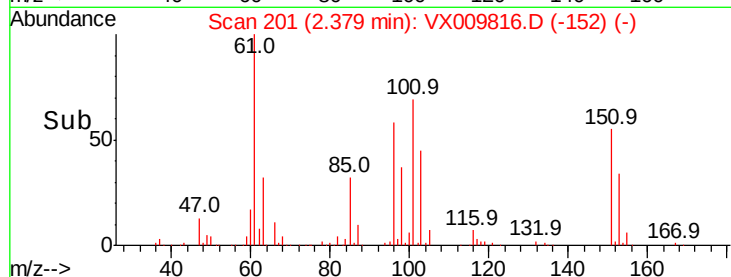
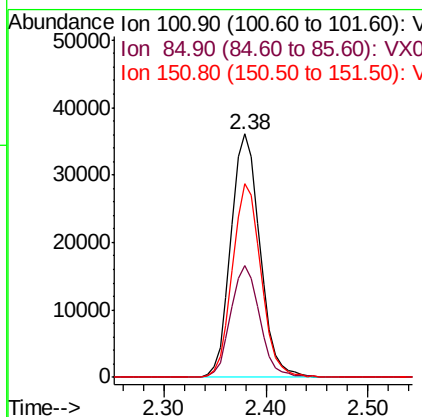
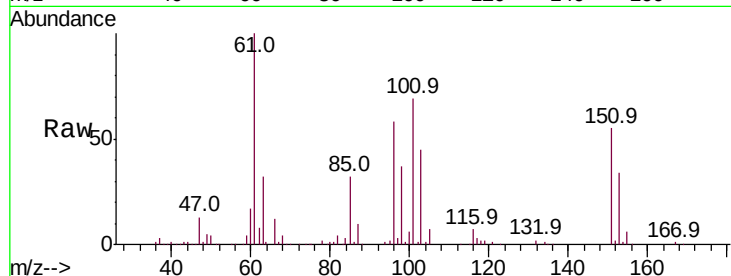
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	70984
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.7	53.5
151	78.6	62.2	93.2

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#10

Methyl Iodide

Concen: 47.609 ug/l

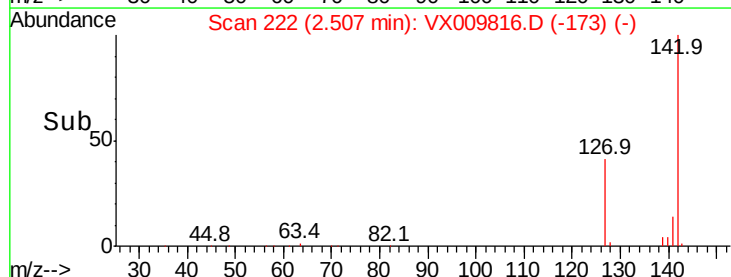
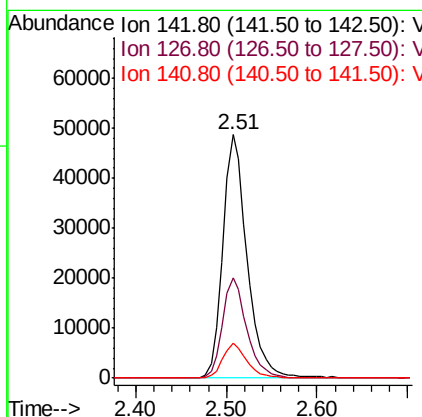
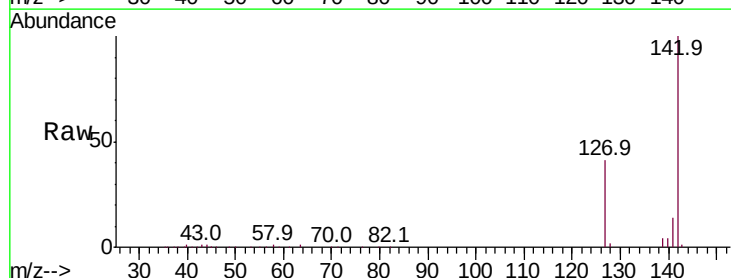
RT: 2.51 min Scan# 222

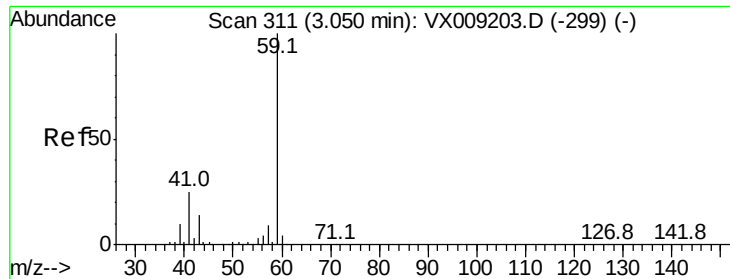
Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Tgt Ion:	142	Resp:	90446
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.7	49.1
141	14.2	11.5	17.3





#11

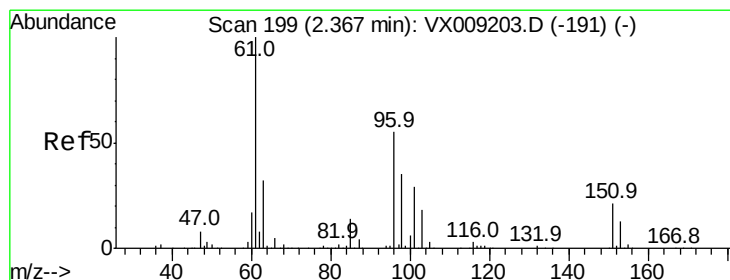
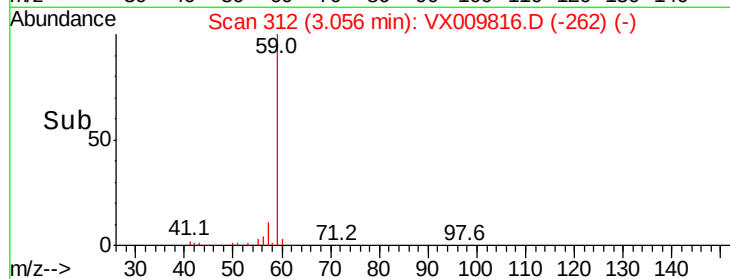
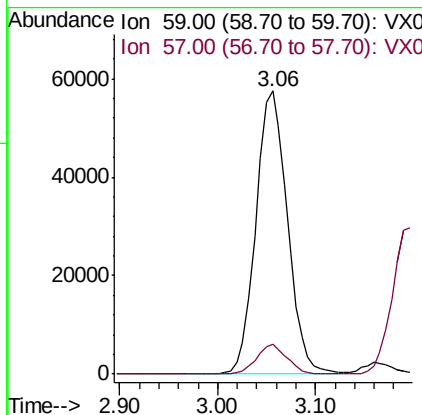
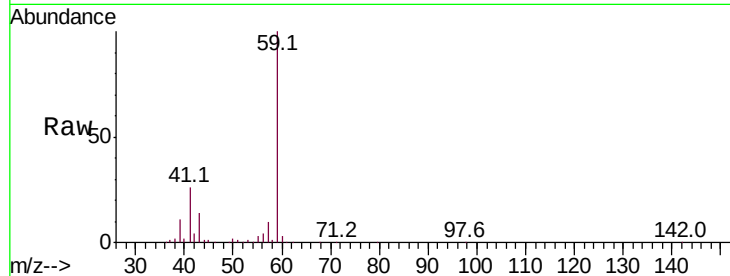
Tert butyl alcohol
Concen: 232.360 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 128853
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

Manual Integrations
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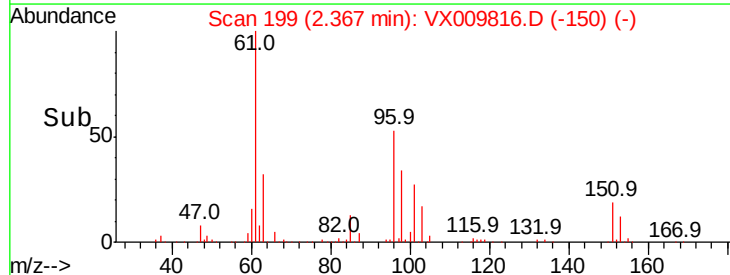
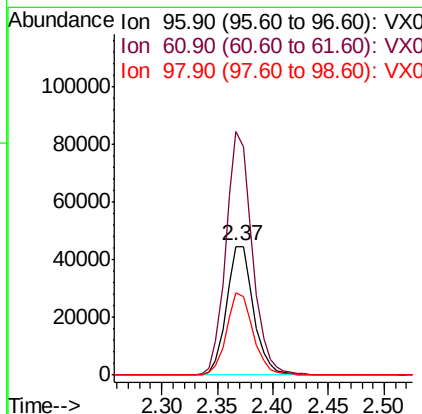
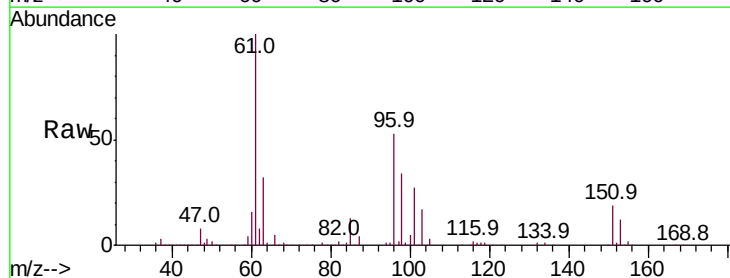
MMDadoda
5/23/2019 10:45:12 AM

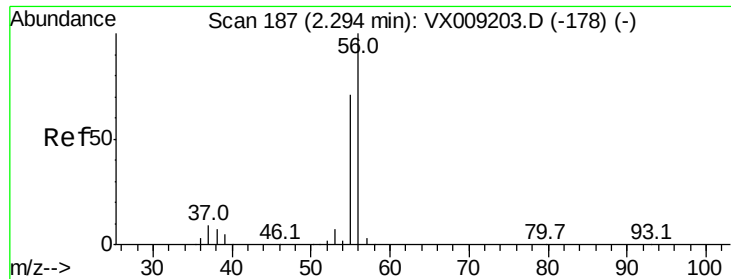


#12

1,1-Dichloroethene
Concen: 45.515 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 96 Resp: 74946
Ion Ratio Lower Upper
96 100
61 189.1 144.3 216.5
98 64.3 50.3 75.5





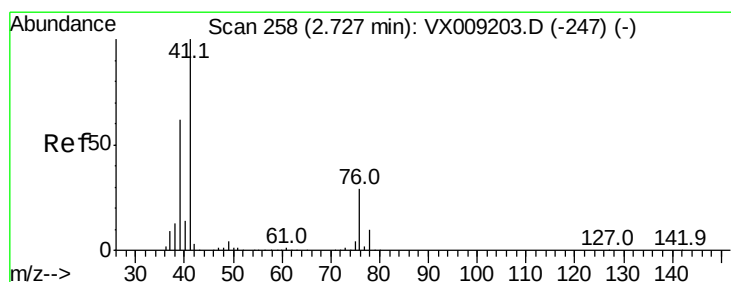
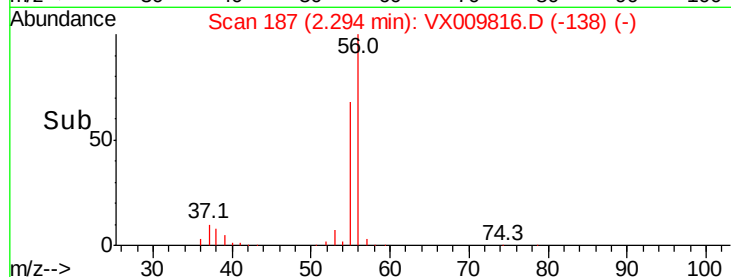
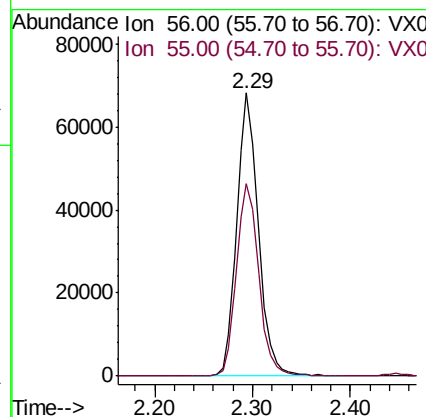
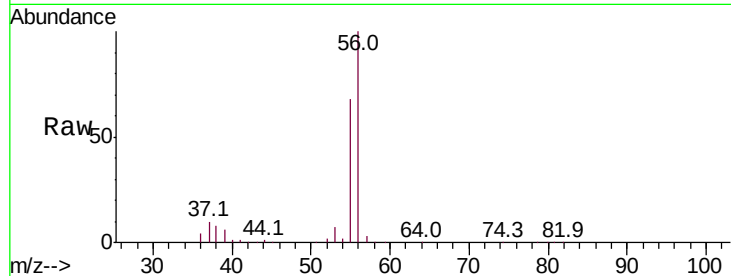
#13
Acrolein
Concen: 208.160 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	104540
Ion Ratio	100	Lower	Upper
55	70.4	56.6	85.0

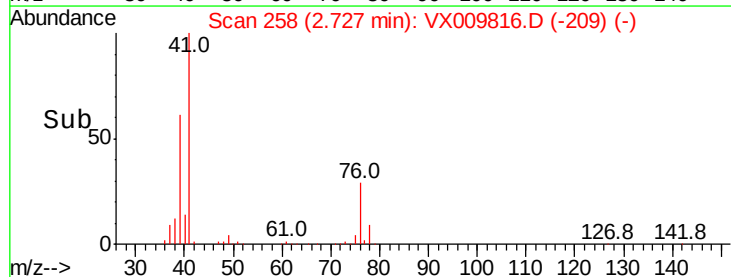
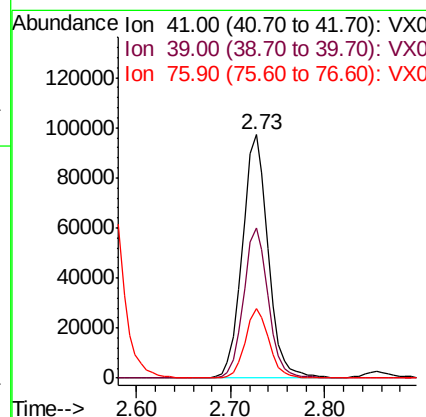
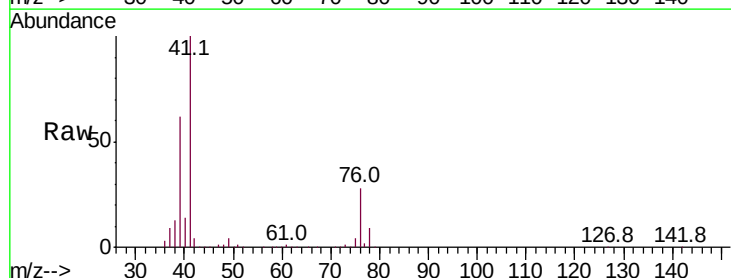
Manual Integrations
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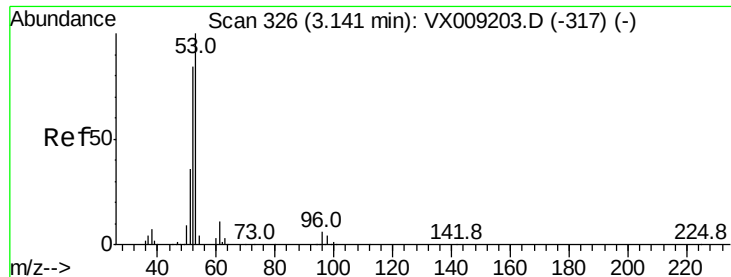
MMDadoda
5/23/2019 10:45:12 AM



#14
Allyl chloride
Concen: 46.247 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	41	Resp	185580
Ion Ratio	100	Lower	Upper
39	58.7	46.7	70.1
76	26.1	21.8	32.8





#15

Acrylonitrile

Concen: 231.797 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

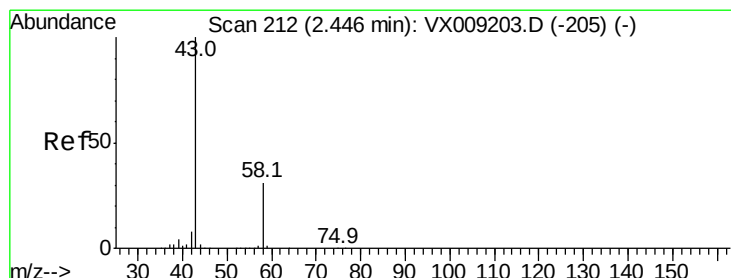
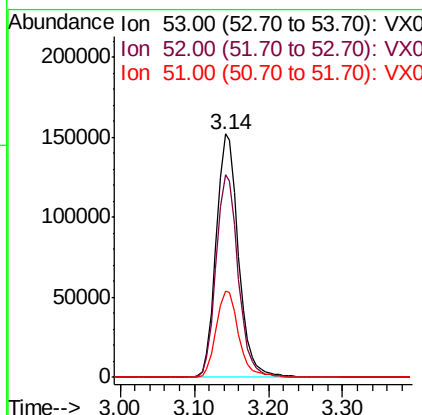
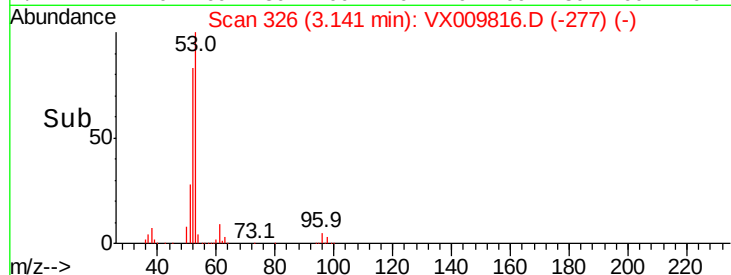
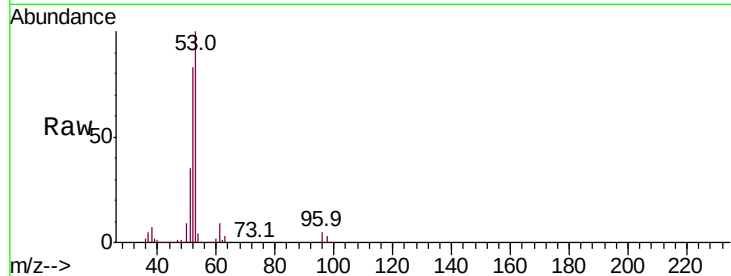
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	314291
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.9	100.3
51	36.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 218.682 ug/l

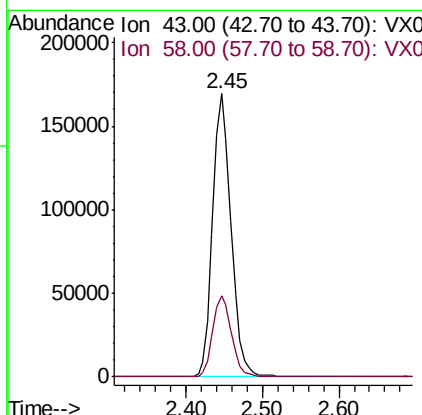
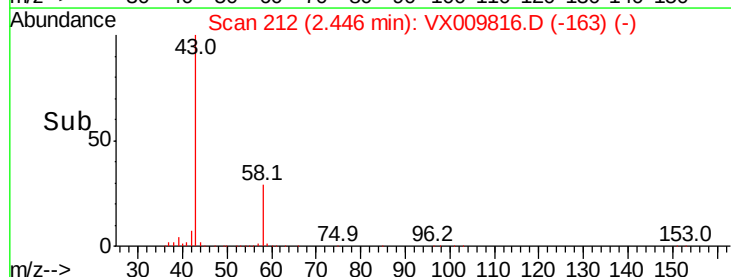
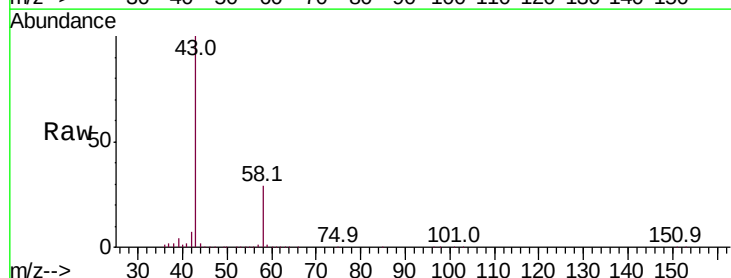
RT: 2.45 min Scan# 212

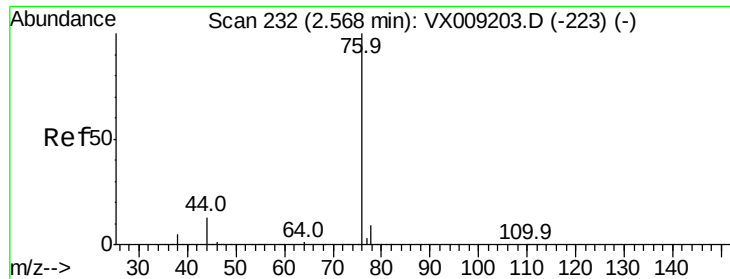
Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Tgt Ion:	43	Resp:	281309
Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.9	37.3





#17

Carbon Disulfide

Concen: 47.799 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 220974

Ion Ratio Lower Upper

76 100

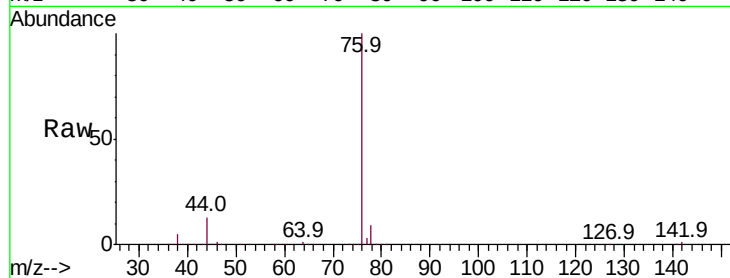
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

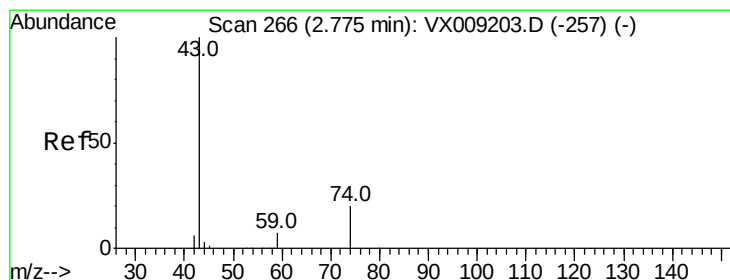
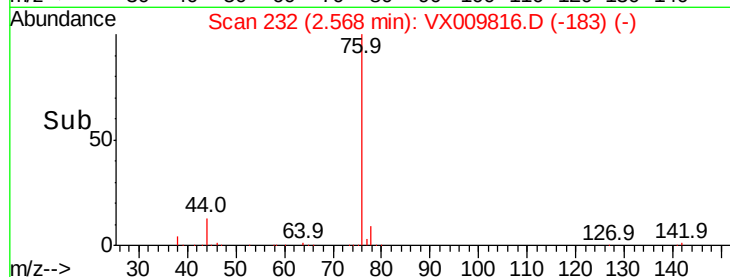
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 44.708 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009816.D

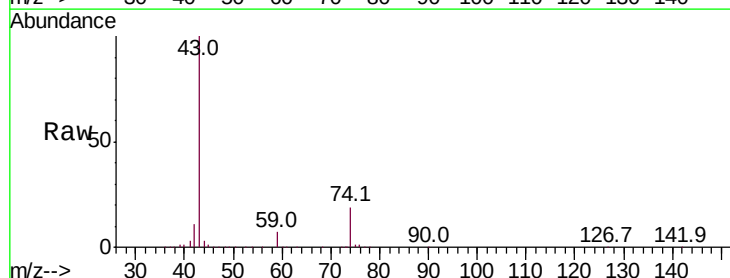
Acq: 22 May 2019 19:51

Tgt Ion: 43 Resp: 136775

Ion Ratio Lower Upper

43 100

74 19.6 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

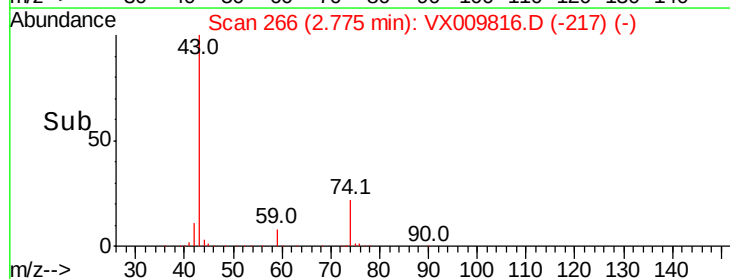
60000

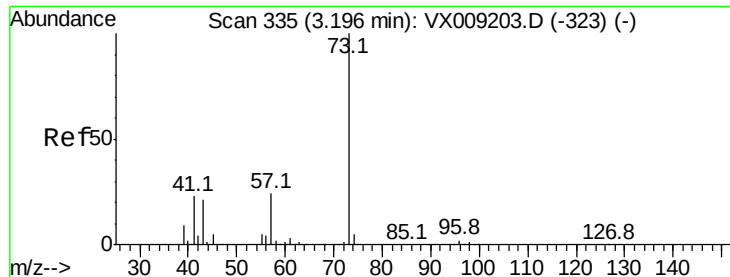
40000

20000

0

Time-->





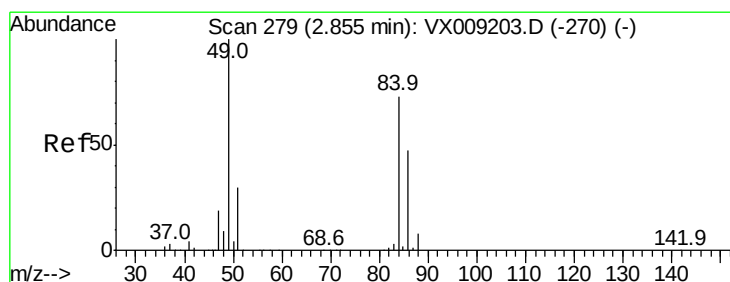
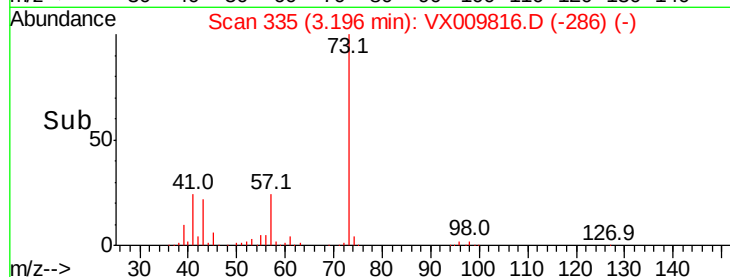
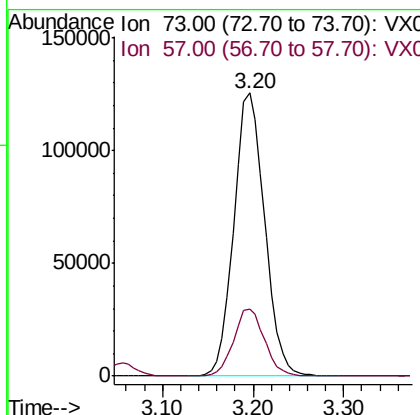
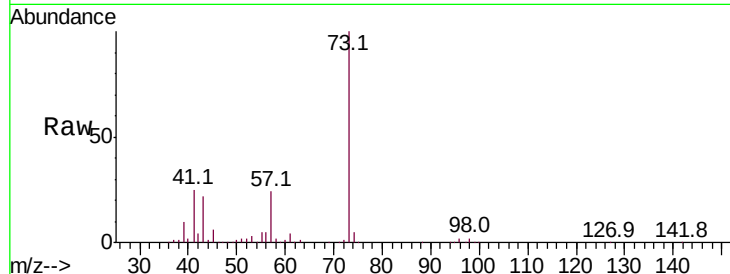
#19
Methyl tert-butyl Ether
Concen: 46.199 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.3	28.9

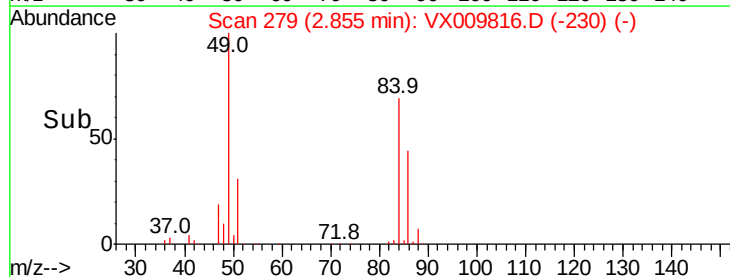
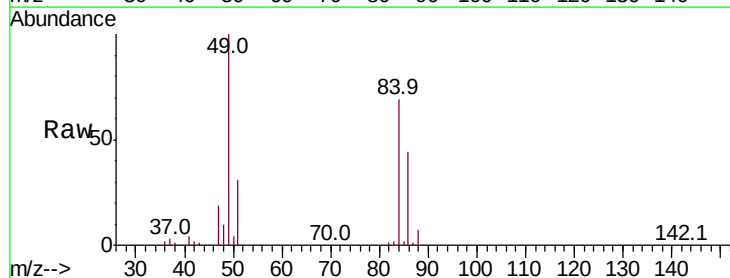
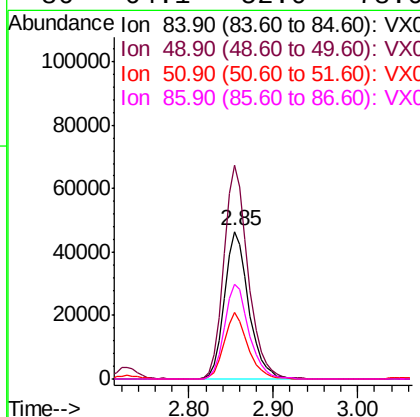
Manual Integrations
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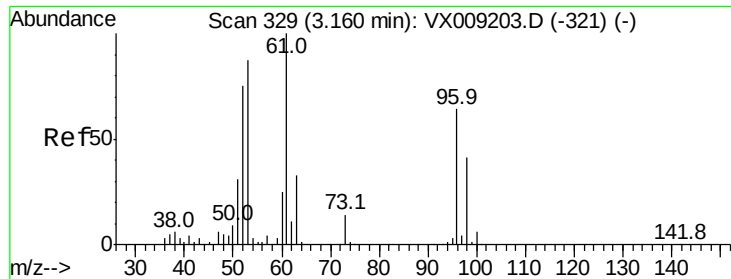
MMDadoda
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#20
Methylene Chloride
Concen: 43.882 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.7	109.9	164.9
51	45.5	32.7	49.1
86	64.1	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 45.879 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

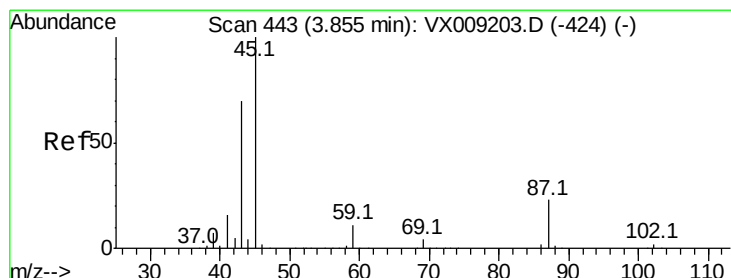
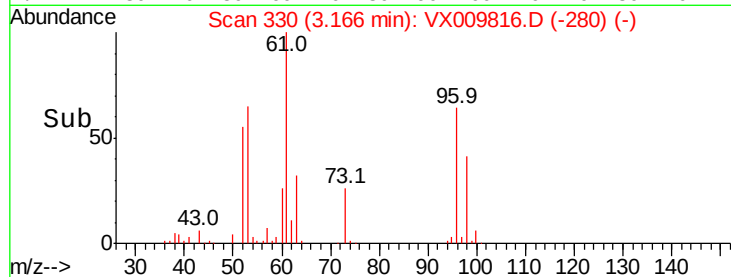
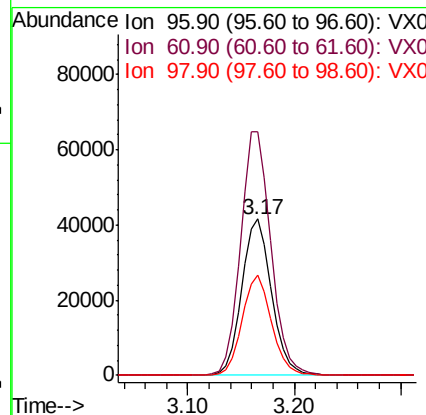
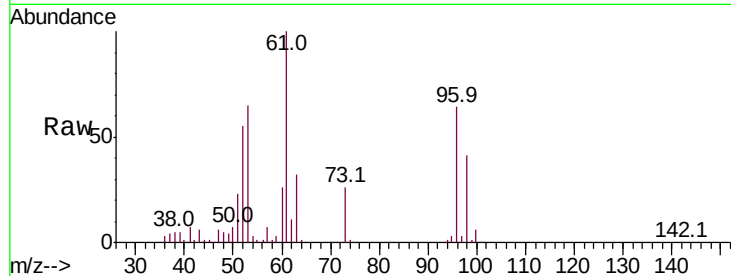
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	81930
Ion	Ratio	Lower	Upper
96	100		
61	155.1	124.5	186.7
98	63.8	50.4	75.6

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#22

Diisopropyl ether

Concen: 46.866 ug/l

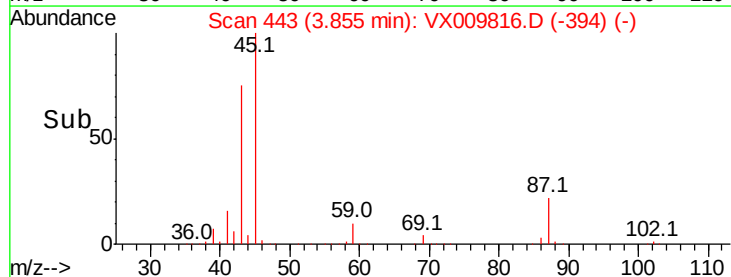
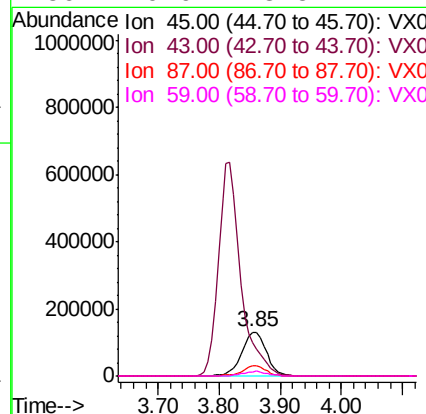
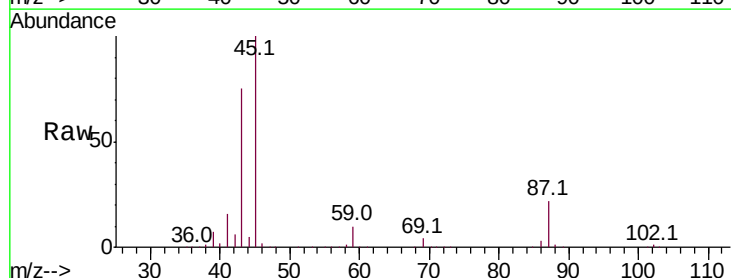
RT: 3.85 min Scan# 443

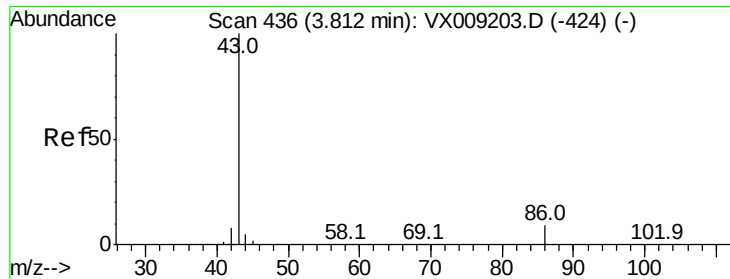
Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Tgt Ion:	45	Resp:	361668
Ion	Ratio	Lower	Upper
45	100		
43	74.7	56.1	84.1
87	22.1	18.1	27.1
59	9.9	8.5	12.7





#23

Vinyl Acetate

Concen: 248.443 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1641778

Ion Ratio Lower Upper

43 100

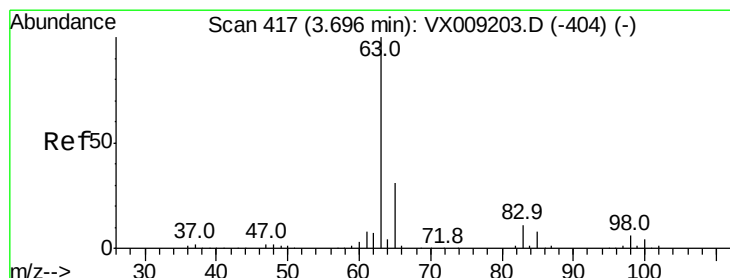
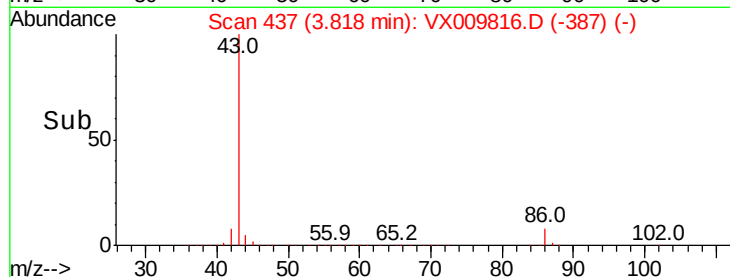
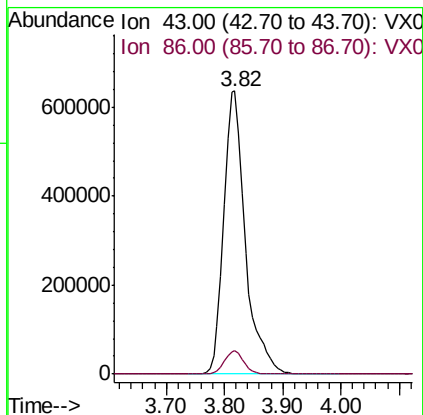
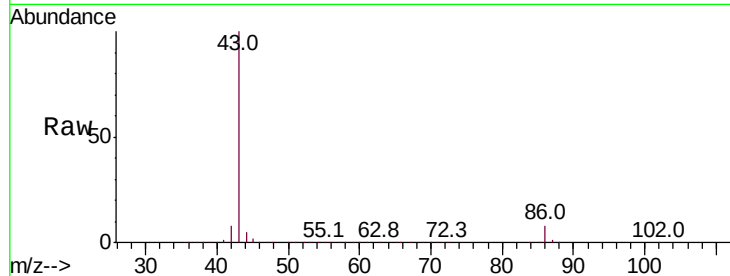
86 8.4 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 45.625 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

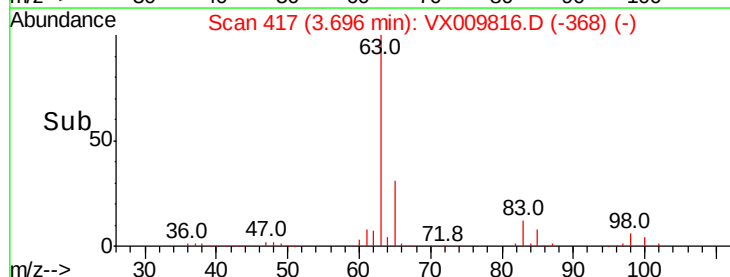
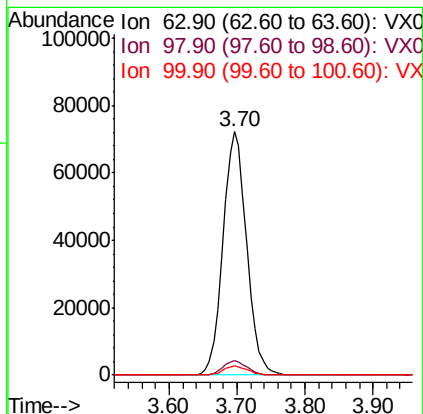
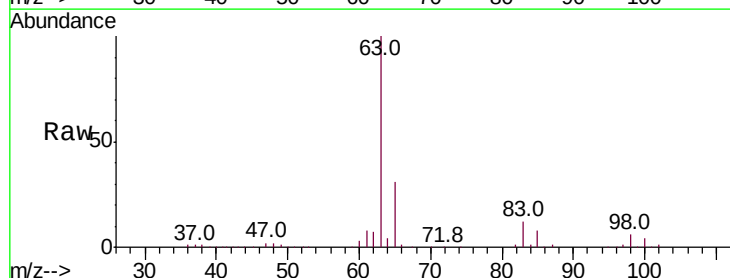
Tgt Ion: 63 Resp: 173694

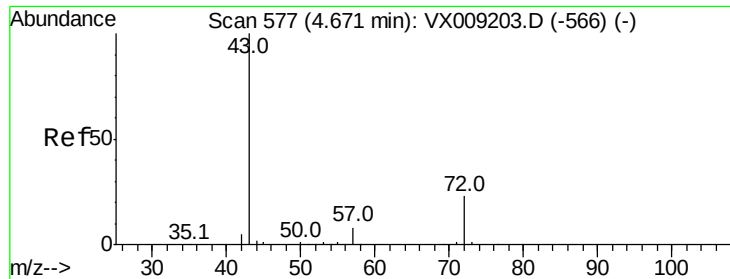
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 237.142 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 474048

Ion Ratio Lower Upper

43 100

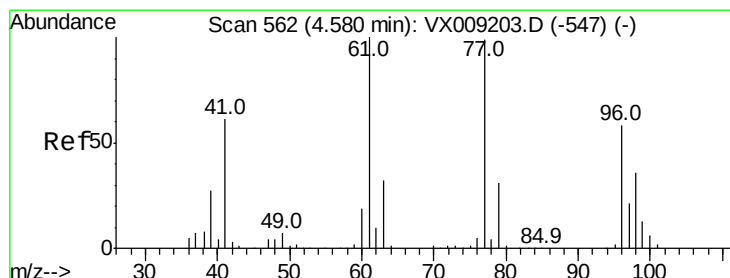
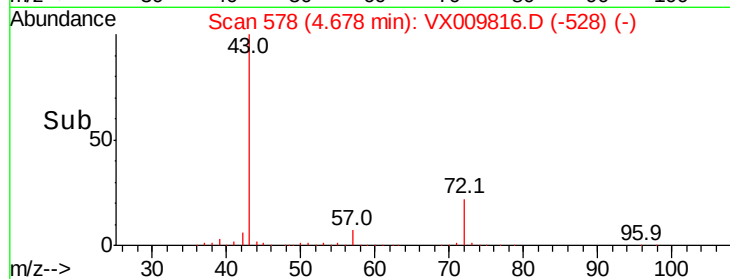
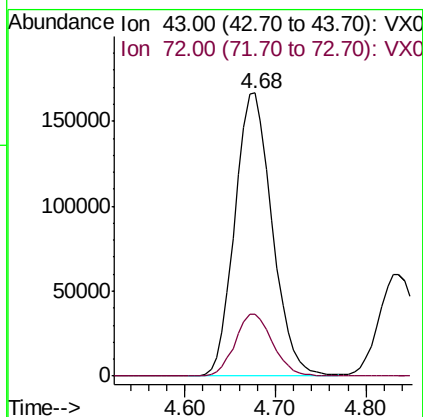
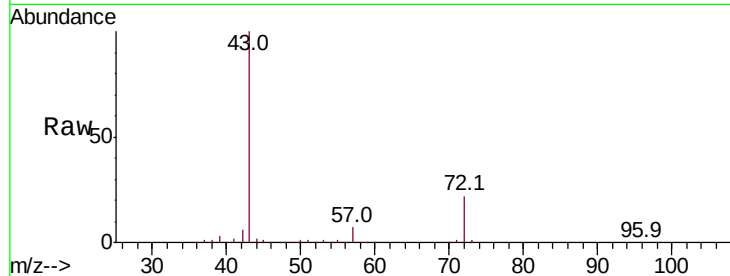
72 21.8 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.230 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009816.D

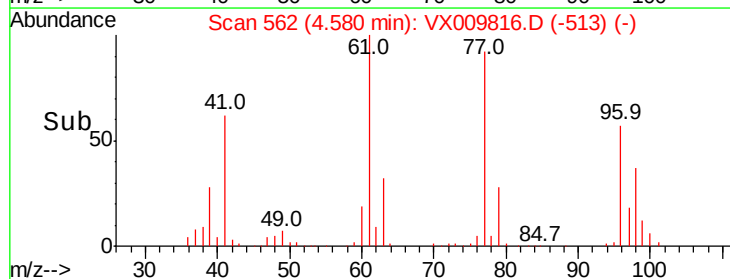
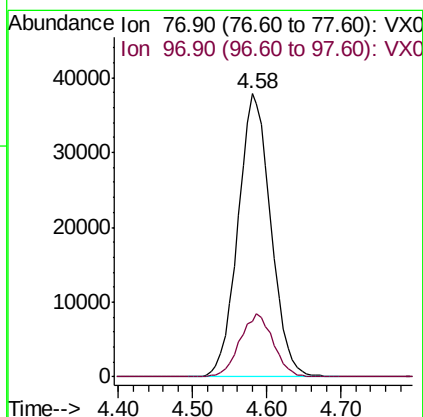
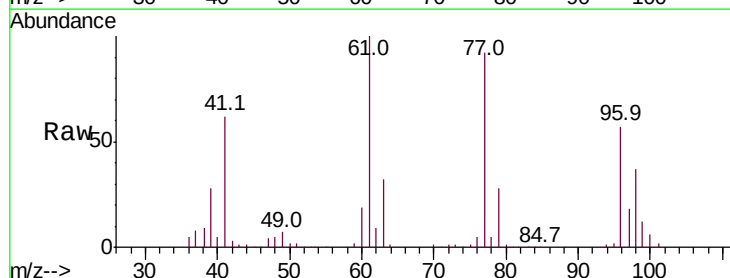
Acq: 22 May 2019 19:51

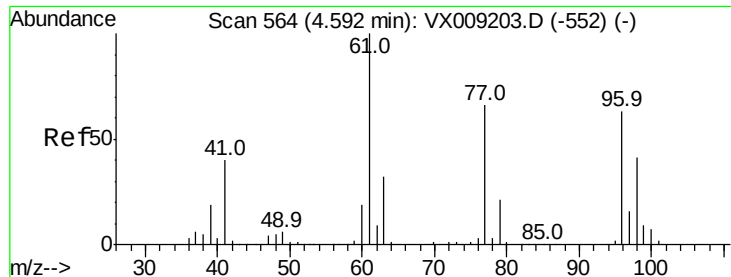
Tgt Ion: 77 Resp: 116831

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4





#27

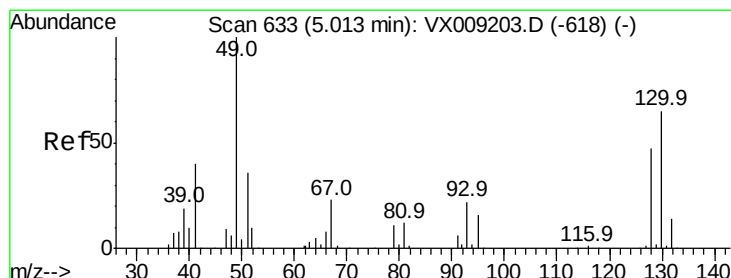
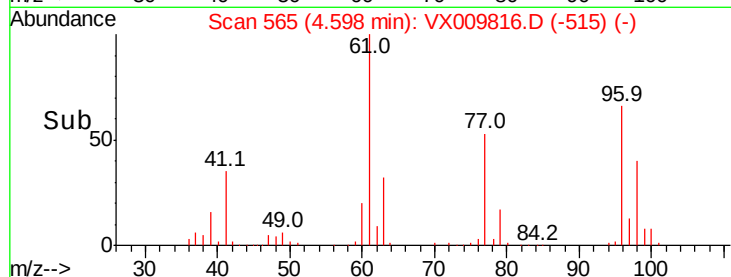
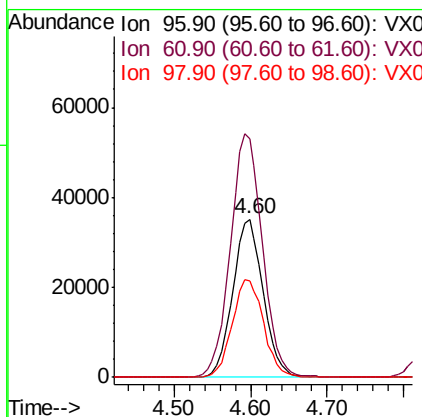
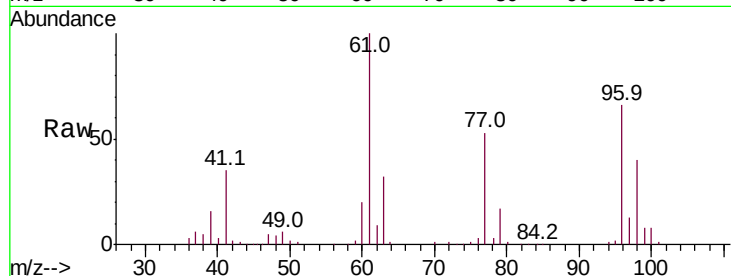
cis-1,2-Dichloroethene
Concen: 45.444 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.2	0.0	324.0
98	63.5	0.0	130.4

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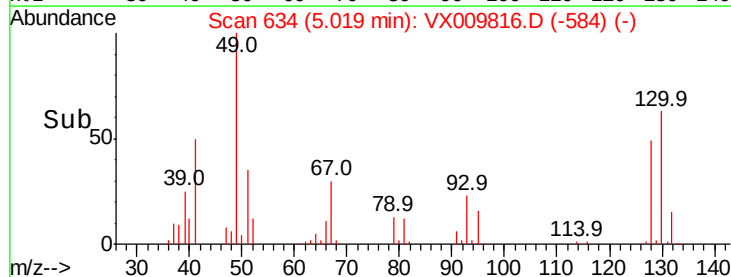
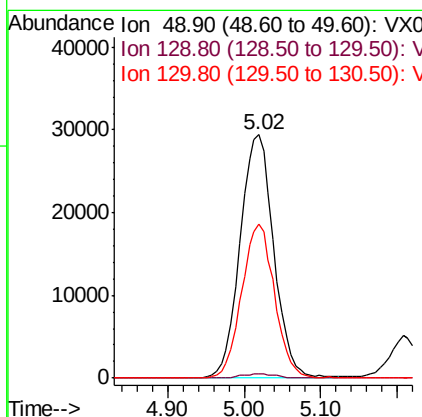
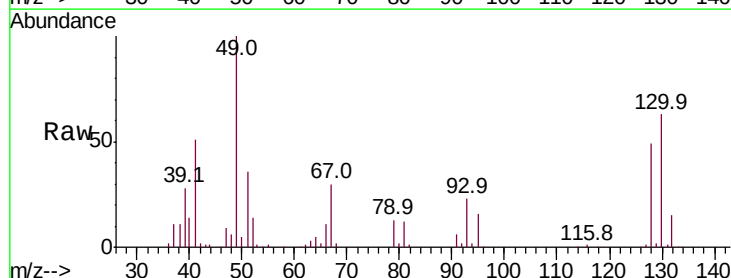
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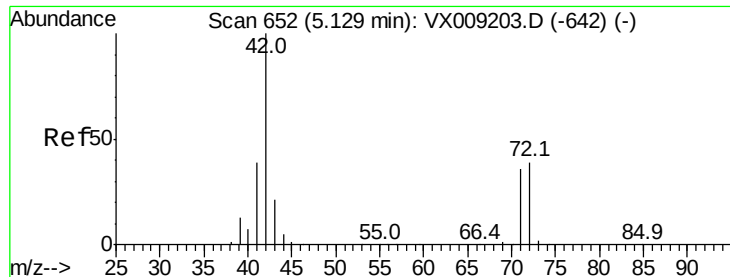


#28

Bromochloromethane
Concen: 59.323 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	61.6	51.2	76.8





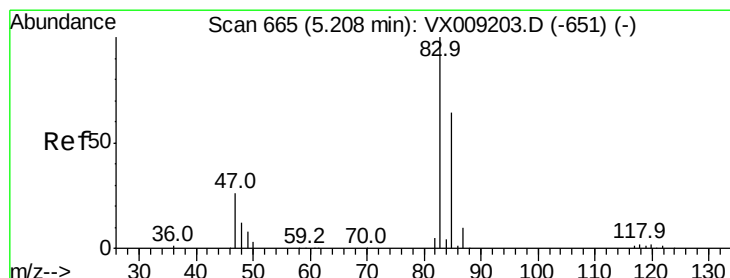
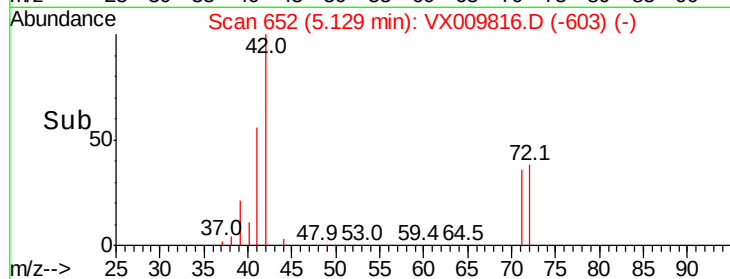
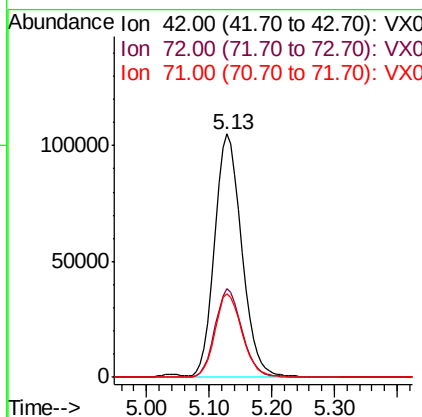
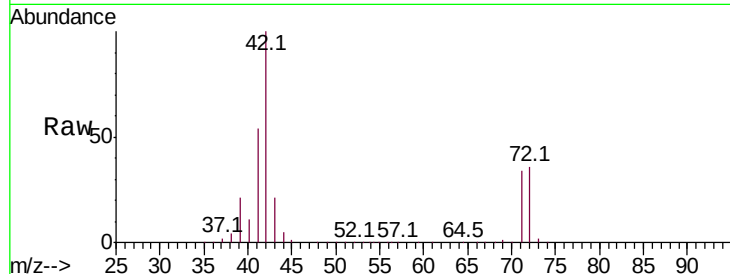
#29
Tetrahydrofuran
Concen: 244.322 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.4	45.6
71	34.5	28.6	43.0

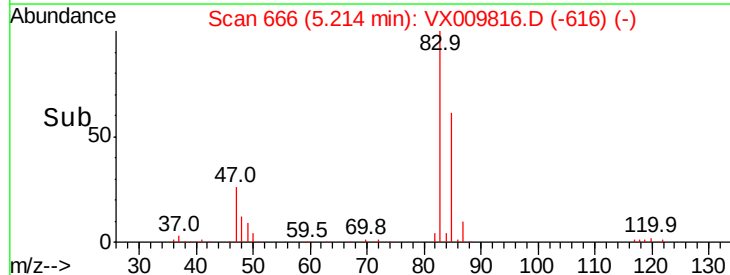
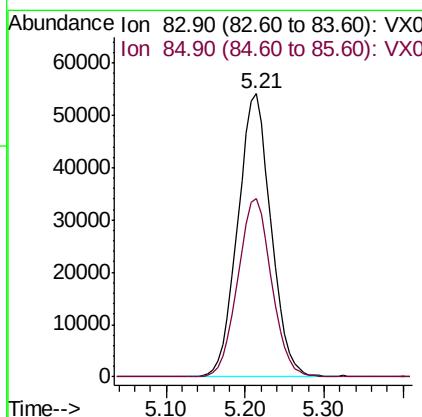
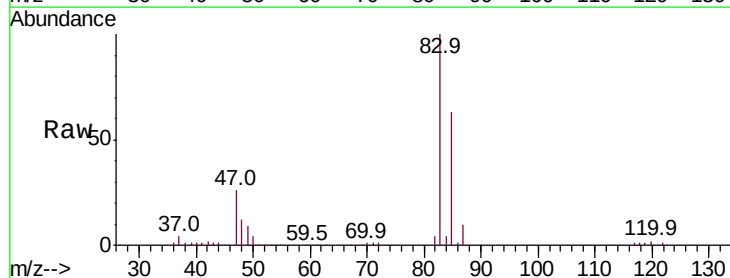
Manual Integrations
APPROVED

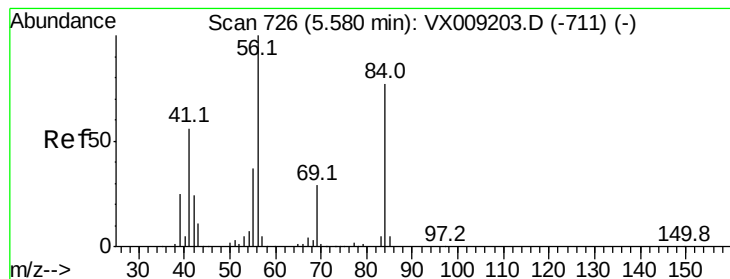
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#30
Chloroform
Concen: 46.026 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.5	77.3





#31

Cyclohexane

Concen: 46.832 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

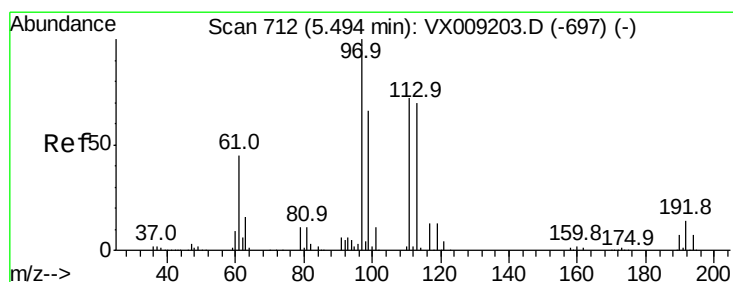
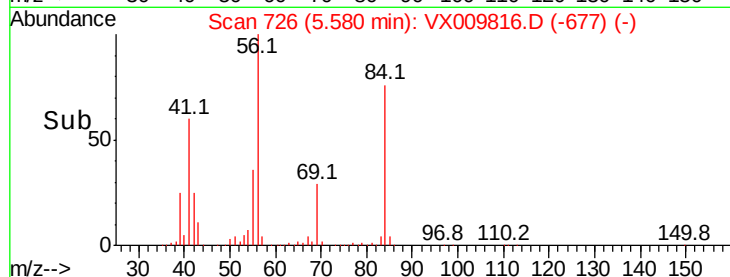
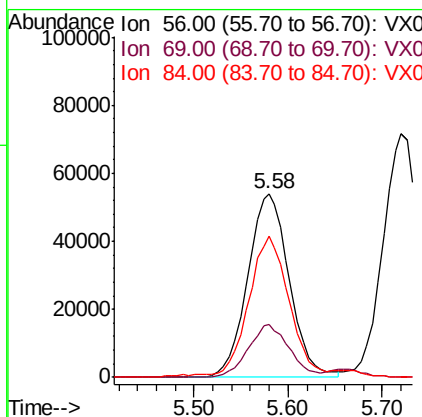
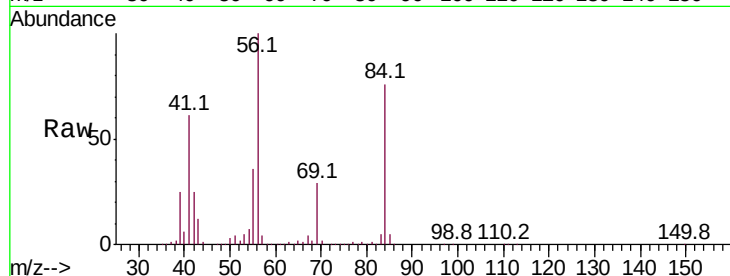
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	165874
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.0
84	75.3	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 45.933 ug/l

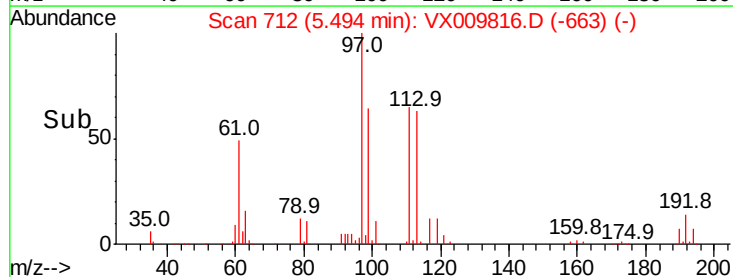
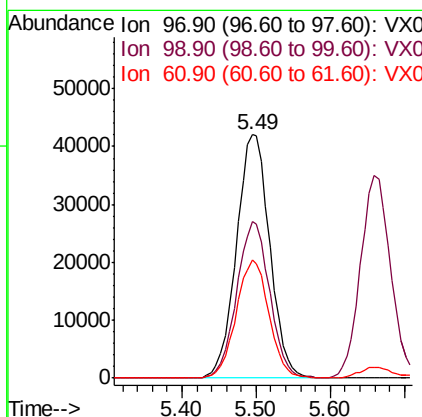
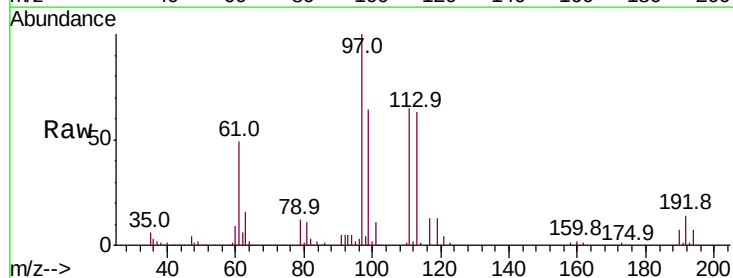
RT: 5.49 min Scan# 712

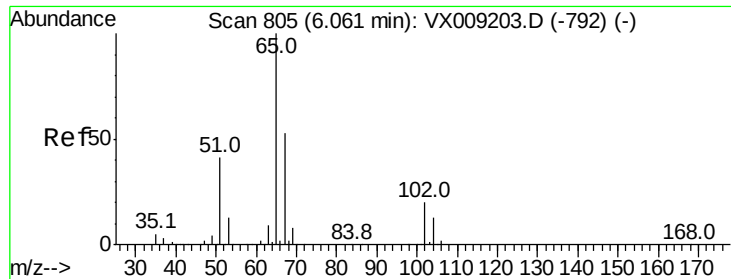
Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Tgt Ion:	97	Resp:	131655
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.8	77.8
61	48.1	37.8	56.8





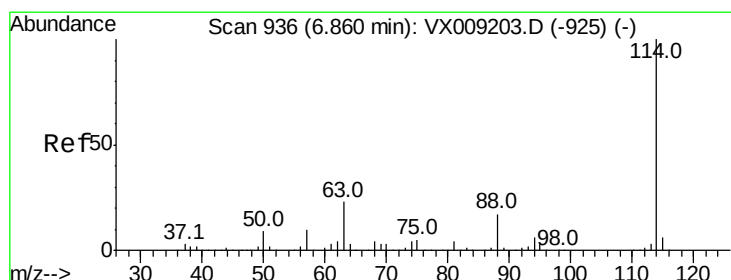
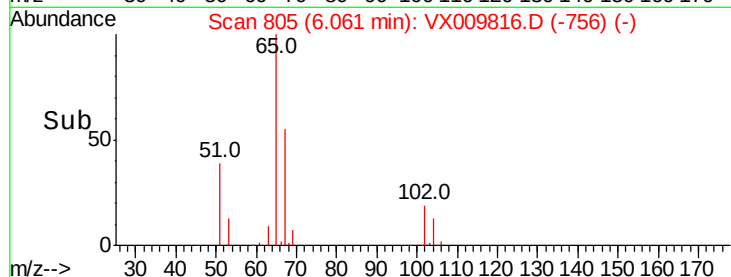
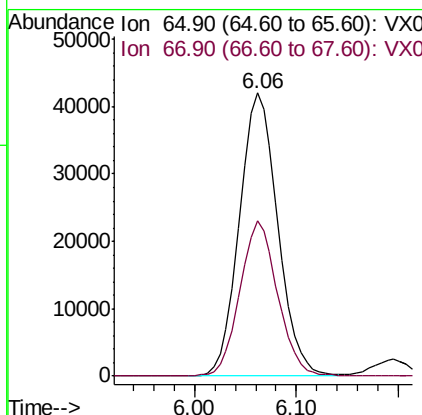
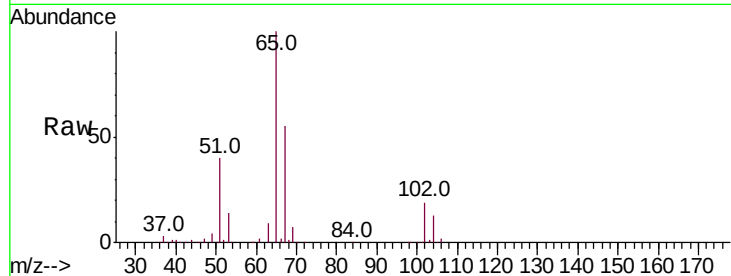
#33
 1,2-Dichloroethane-d4
 Concen: 45.869 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	106.6

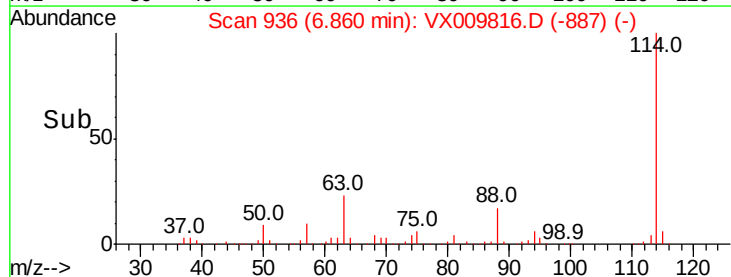
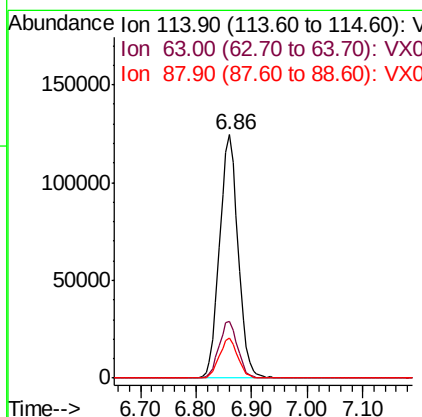
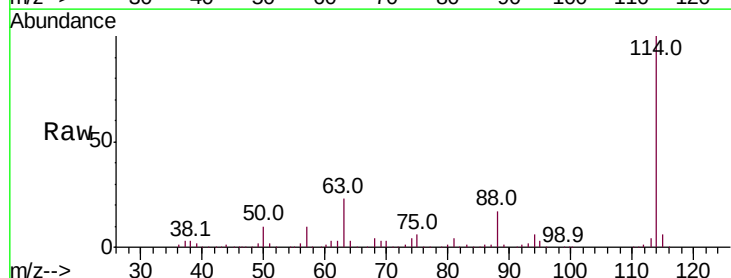
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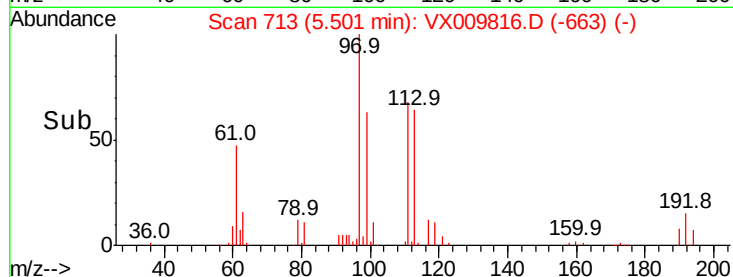
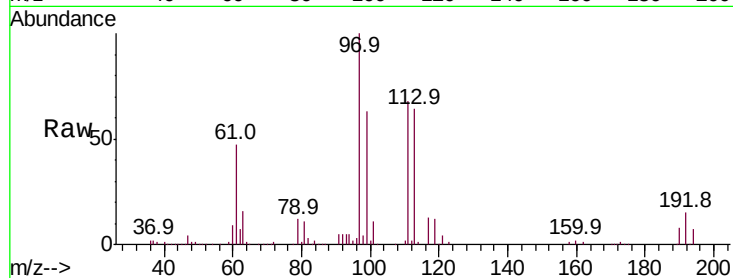
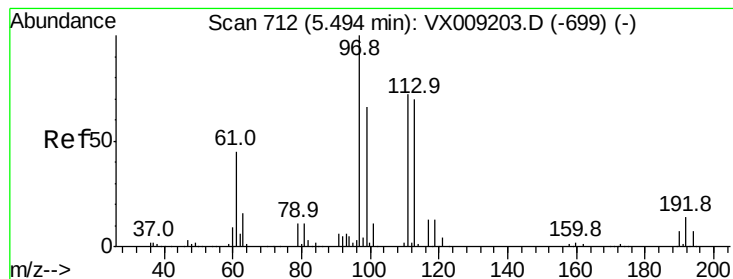
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	45.6
88	16.7	0.0	33.2





#35

Dibromofluoromethane

Concen: 43.494 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009816.D

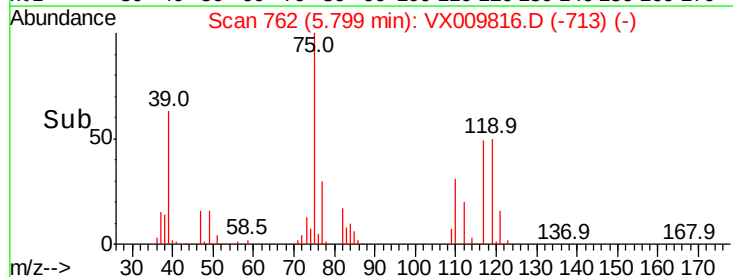
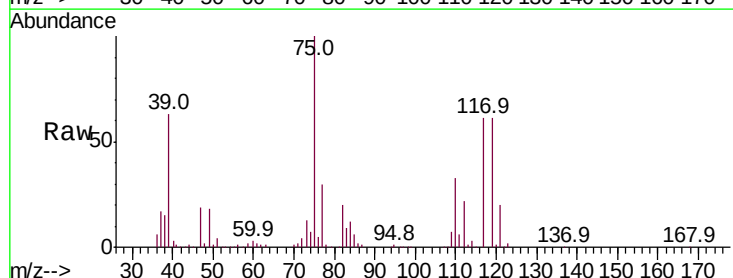
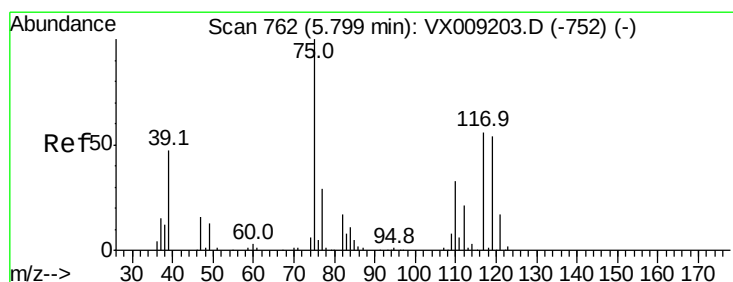
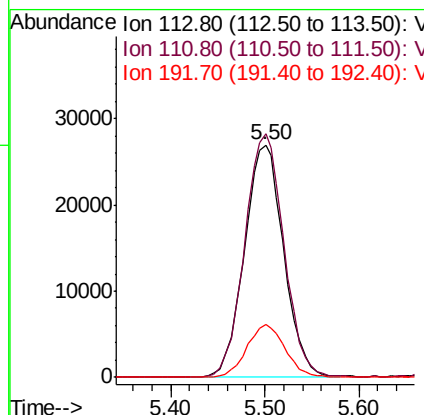
Acq: 22 May 2019 19:51

Tot Ion:	113	Resp:	78855
Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.8	124.2
192	22.1	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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#36

1,1-Dichloropropene

Concen: 45.551 ug/l

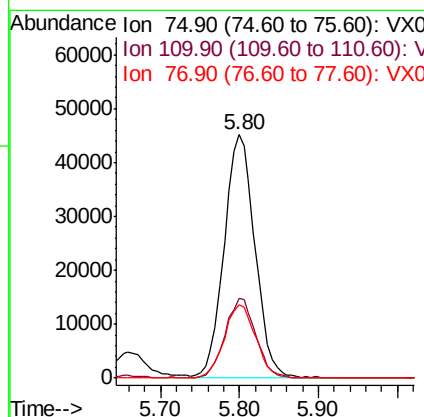
RT: 5.80 min Scan# 762

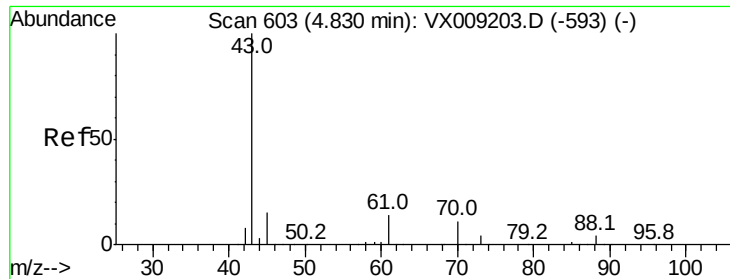
Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Tgt Ion:	75	Resp:	122085
Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.9	50.6
77	31.1	24.8	37.2





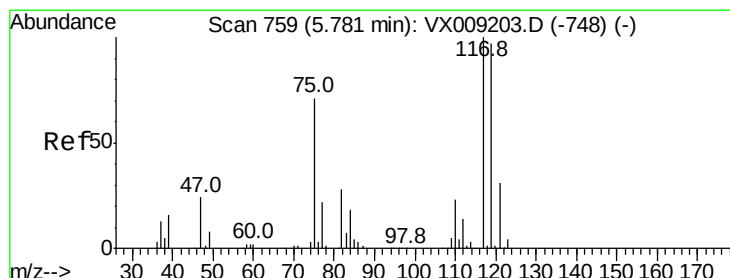
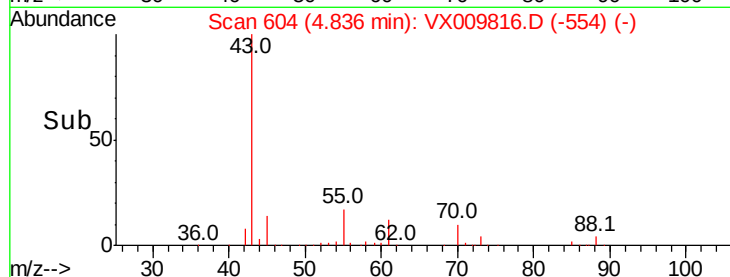
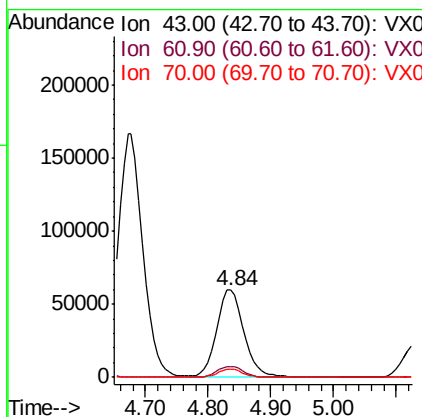
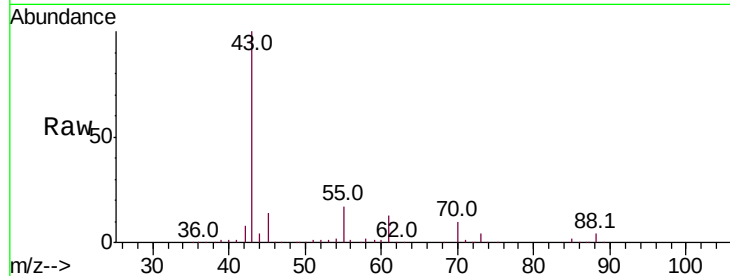
#37
Ethyl Acetate
Concen: 47.930 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	178985
Ion Ratio	100	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.2	7.9	11.9

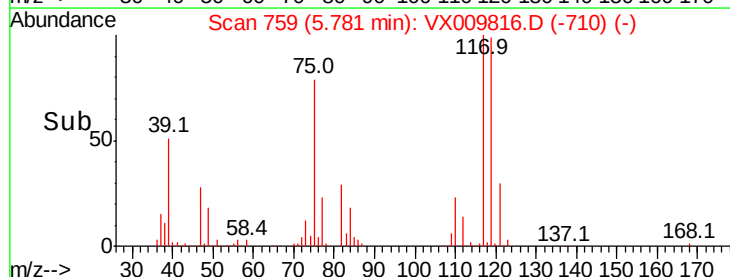
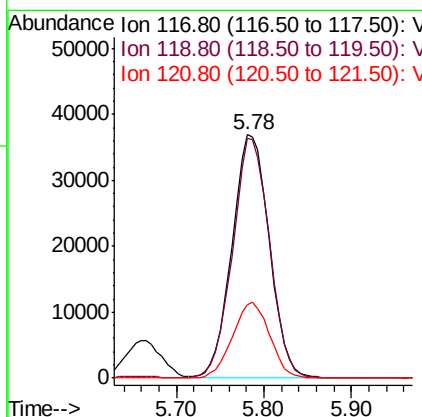
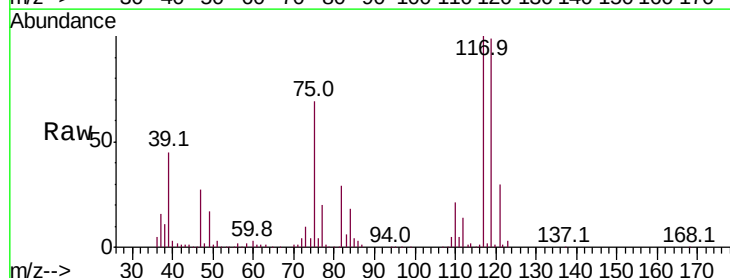
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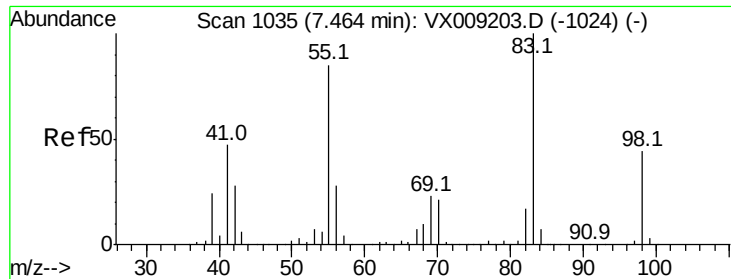
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#38
Carbon Tetrachloride
Concen: 44.892 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	117	Resp	109318
Ion Ratio	100	Lower	Upper
117	100		
119	98.5	77.5	116.3
121	29.9	24.7	37.1





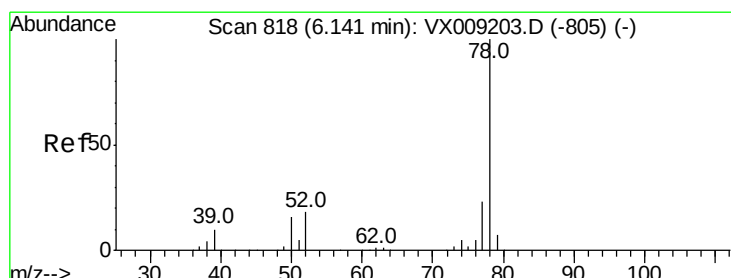
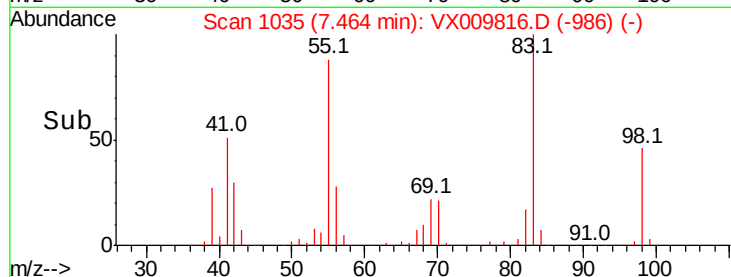
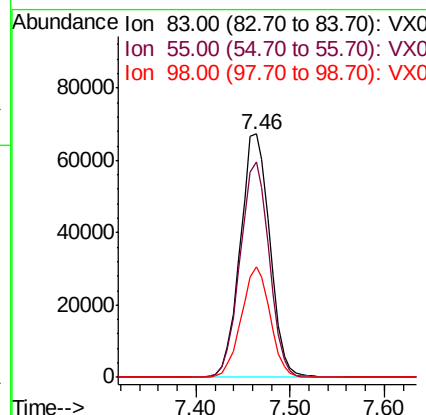
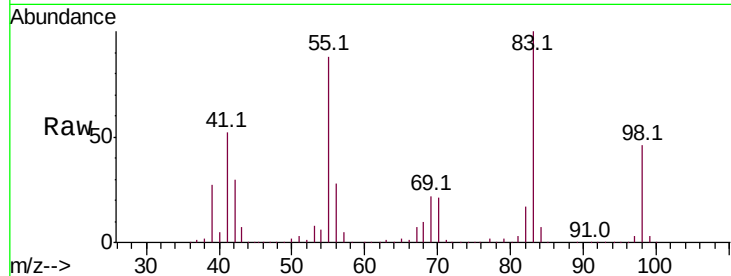
#39
Methylvlcyclohexane
Concen: 44.894 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.4	67.7	101.5
98	45.5	35.5	53.3

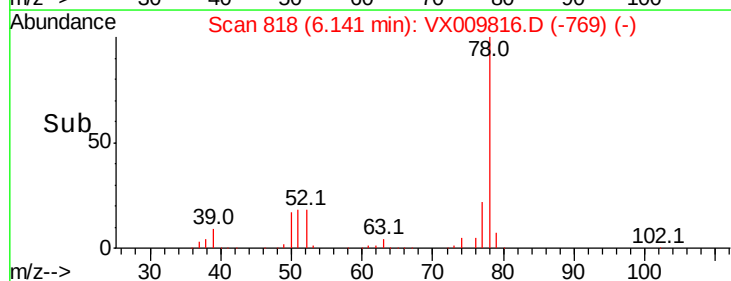
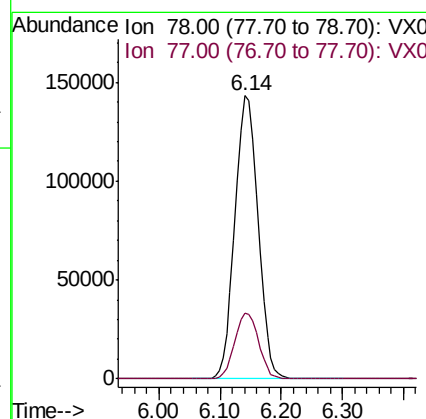
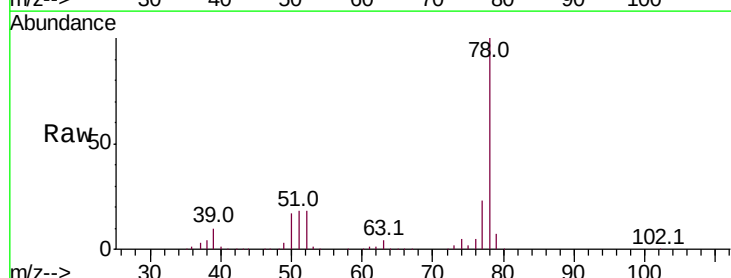
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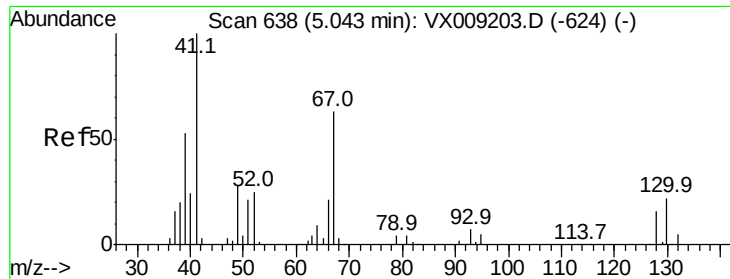
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#40
Benzene
Concen: 45.297 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





#41

Methacrylonitrile

Concen: 45.763 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

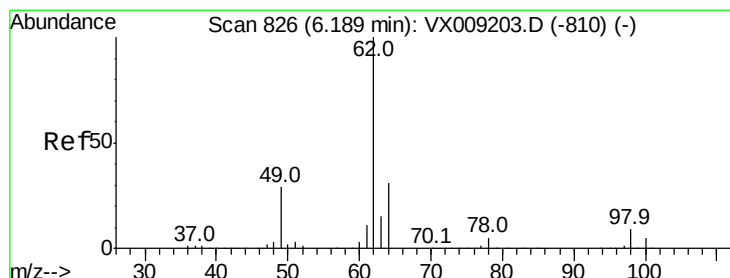
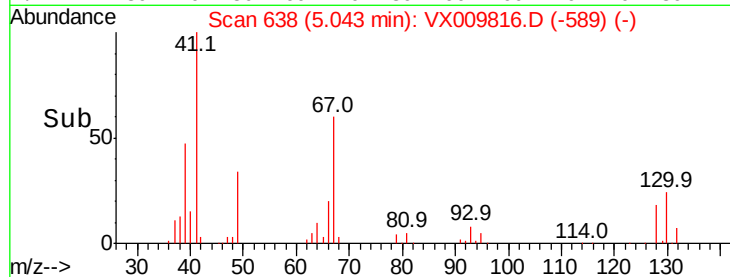
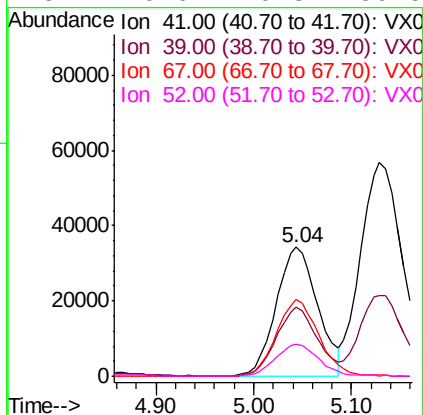
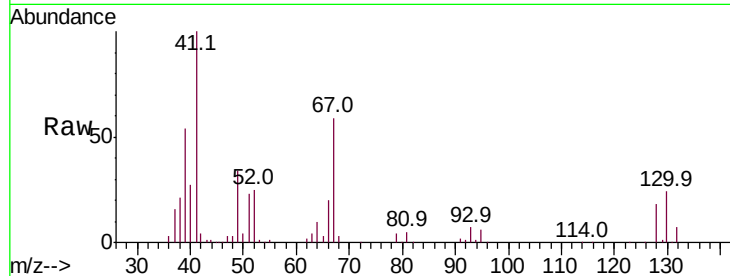
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.0	63.0	
67	60.5	49.8	74.8	
52	26.6	20.3	30.5	

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#42

1,2-Dichloroethane

Concen: 46.519 ug/l

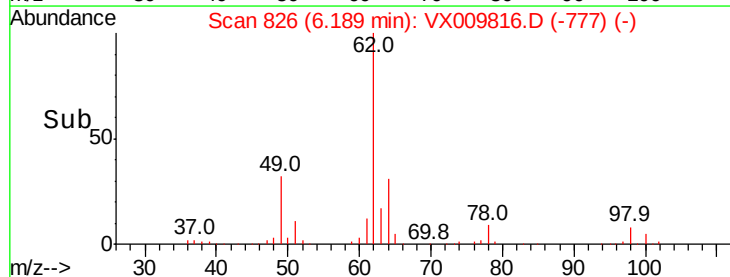
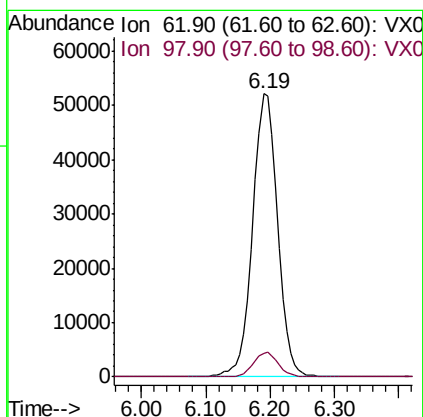
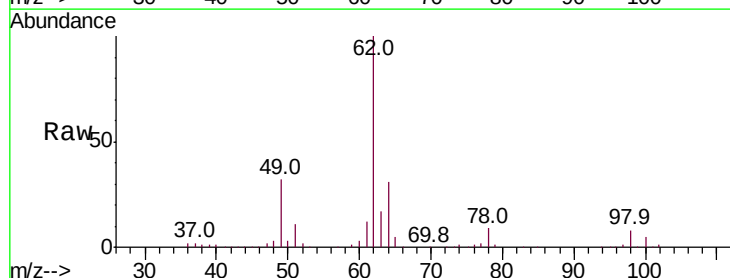
RT: 6.19 min Scan# 826

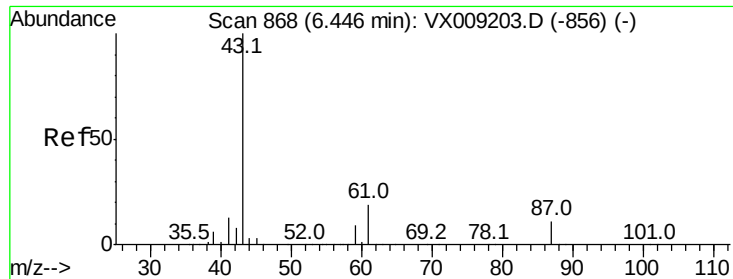
Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	18.2	





#43

Isopropyl Acetate

Concen: 47.530 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

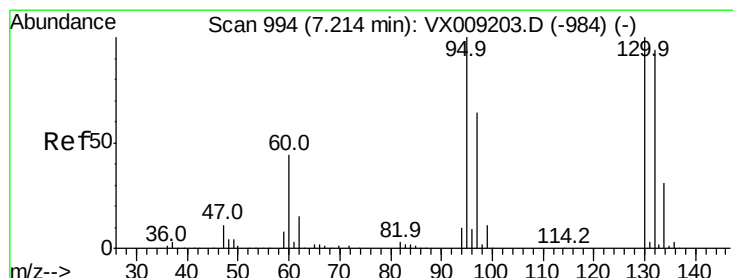
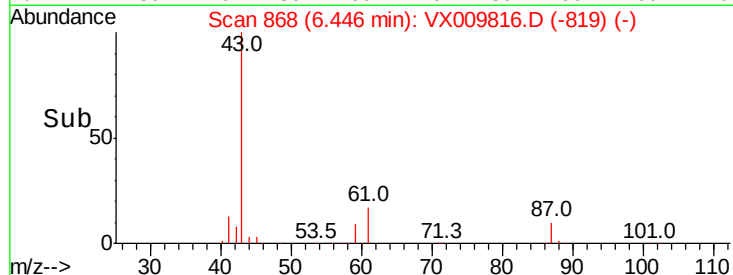
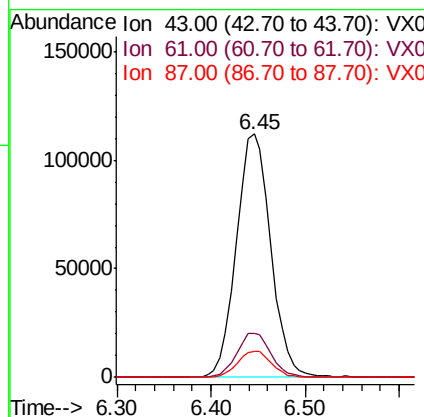
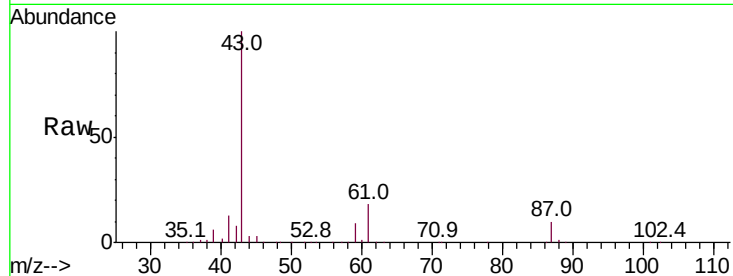
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	283904
Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.1	22.7
87	10.8	9.0	13.6

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#44

Trichloroethene

Concen: 43.854 ug/l

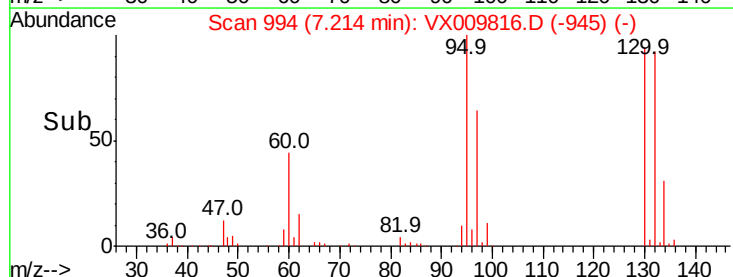
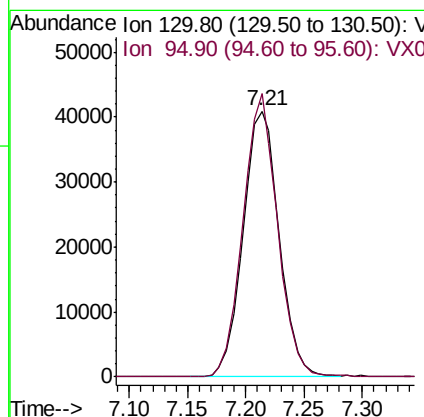
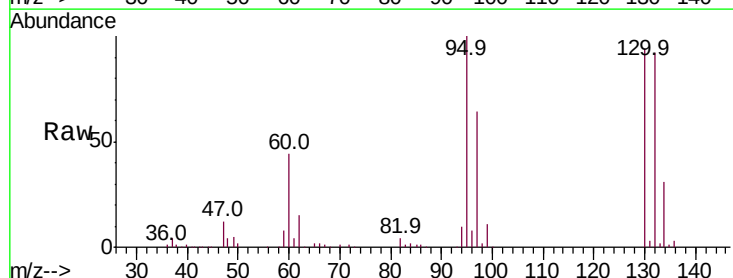
RT: 7.21 min Scan# 994

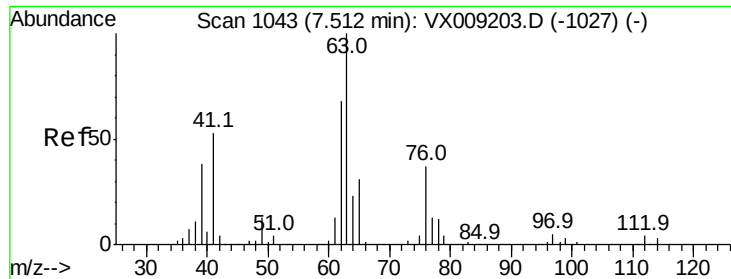
Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Tgt Ion:	130	Resp:	87938
Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	199.2





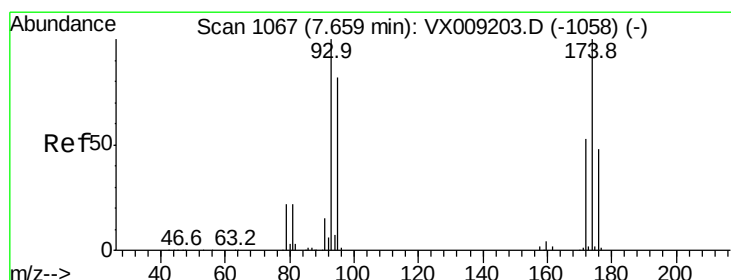
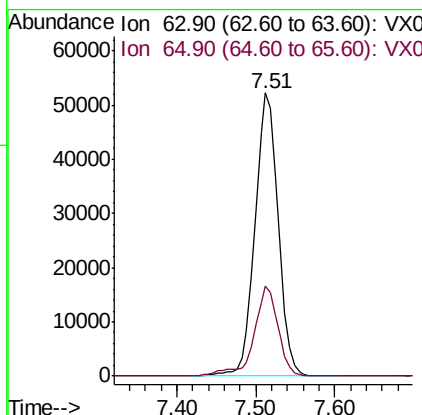
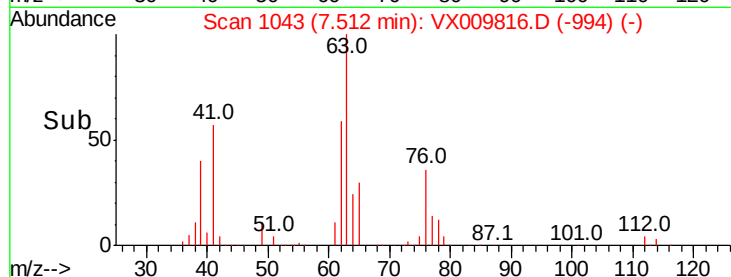
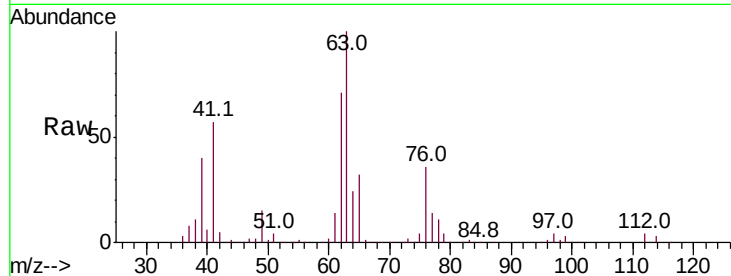
#45
 1,2-Dichloropropane
 Concen: 45.579 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 107052
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6

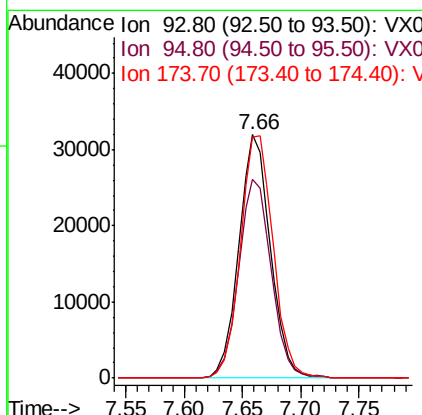
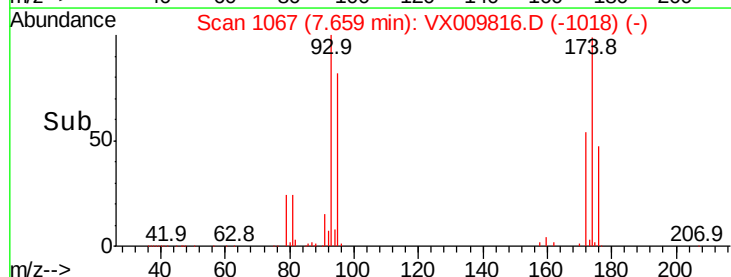
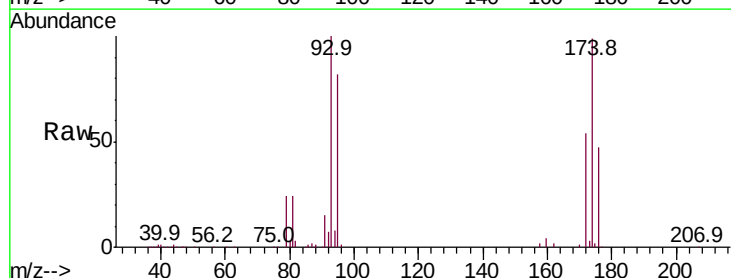
Manual Integrations
 APPROVED

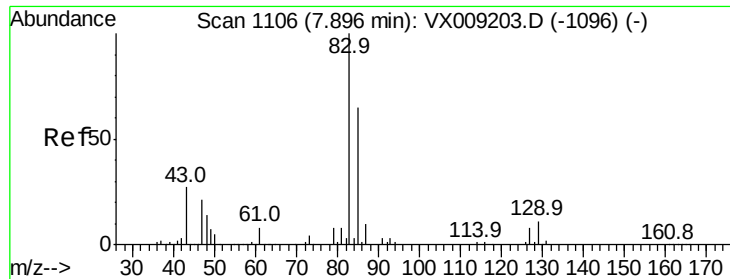
MMDadoda
 5/23/2019 10:45:12 AM



#46
 Dibromomethane
 Concen: 44.352 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion: 93 Resp: 60492
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.5 99.7
 174 103.5 82.1 123.1





#47

Bromodichloromethane

Concen: 45.460 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

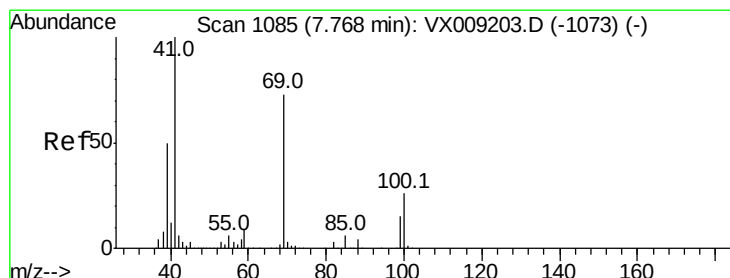
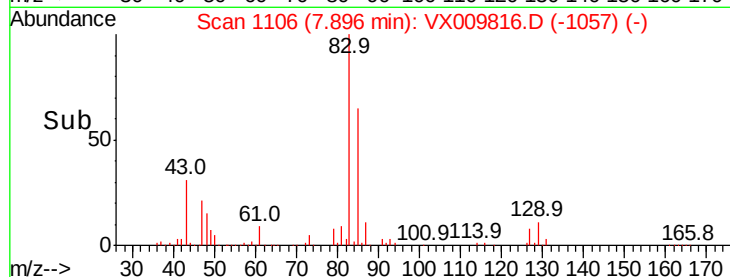
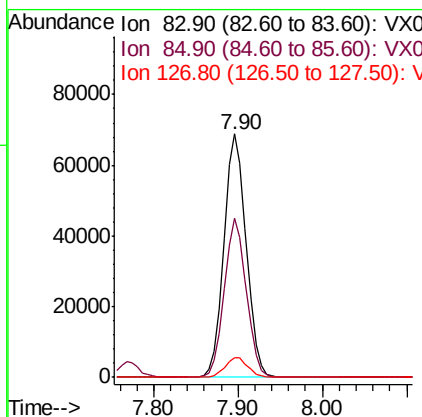
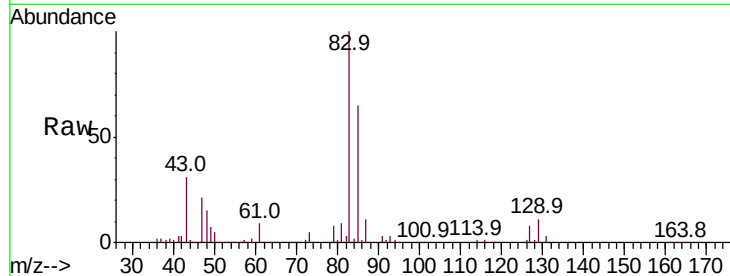
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	123682
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.4	78.6
127	7.9	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.795 ug/l

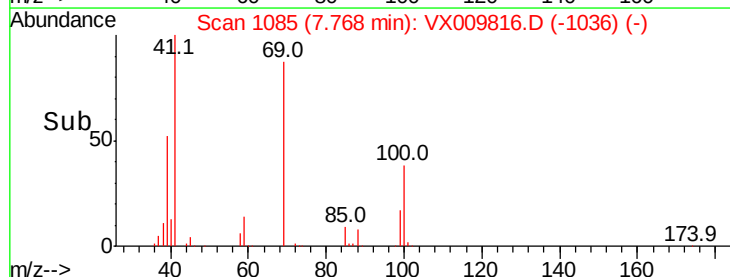
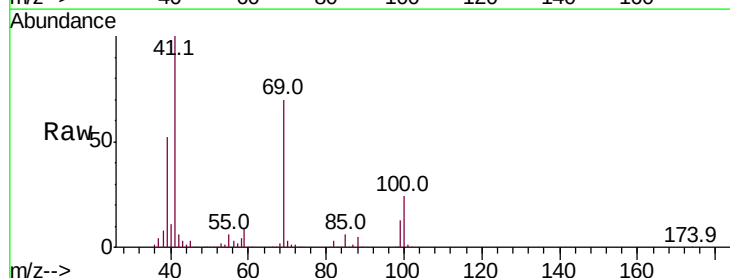
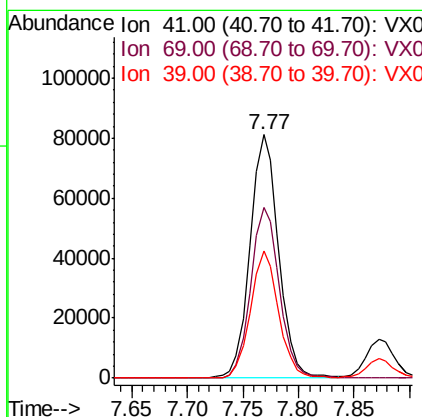
RT: 7.77 min Scan# 1085

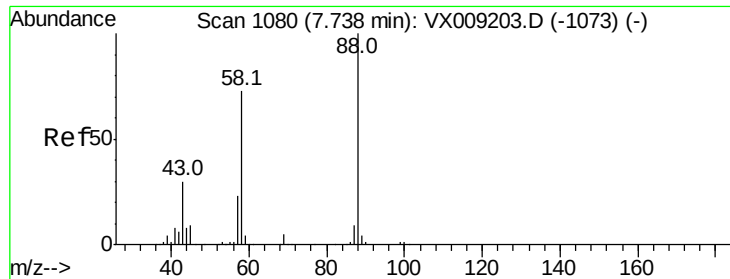
Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Tgt Ion:	41	Resp:	144602
Ion Ratio	Lower	Upper	
41	100		
69	71.2	59.1	88.7
39	51.6	40.4	60.6





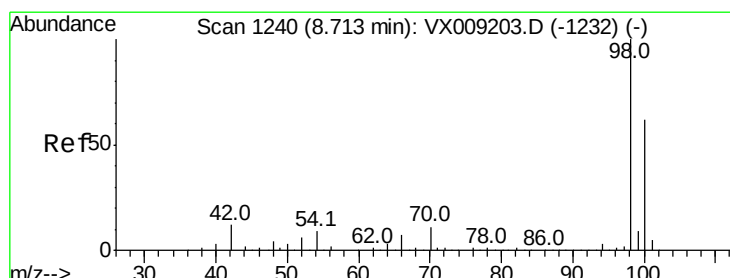
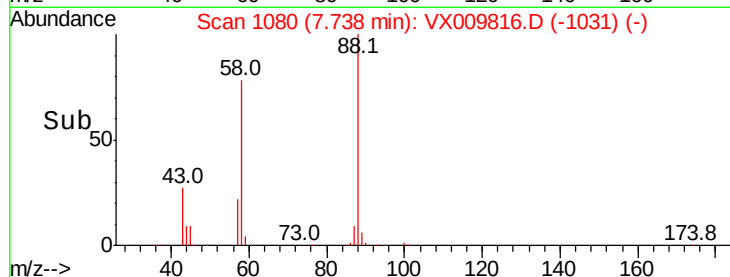
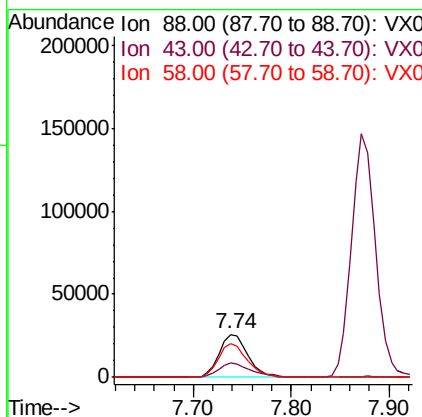
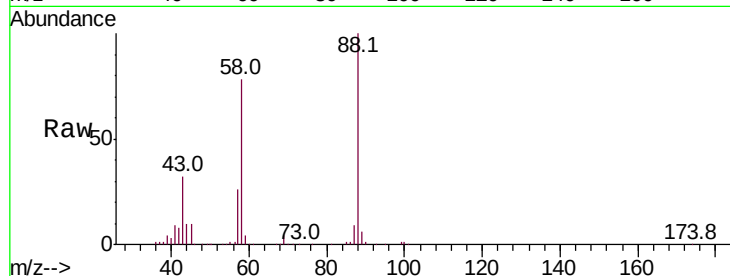
#49
1,4-Dioxane
Concen: 879.627 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	28.6	42.8
58	79.9	61.7	92.5

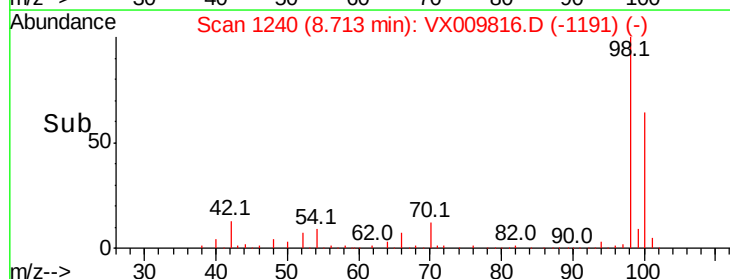
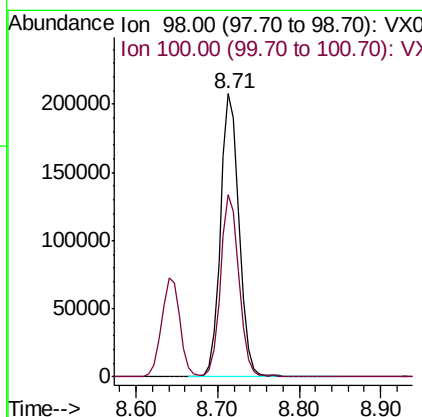
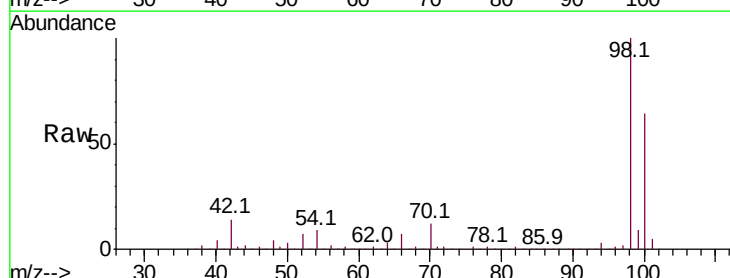
Manual Integrations
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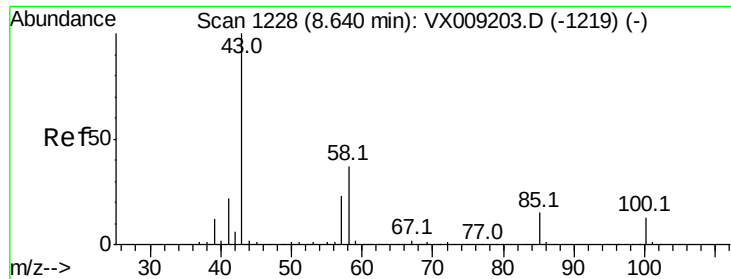
MMDadoda
5/23/2019 10:45:12 AM



#50
Toluene-d8
Concen: 45.095 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 242.584 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 947095

Ion Ratio Lower Upper

43 100

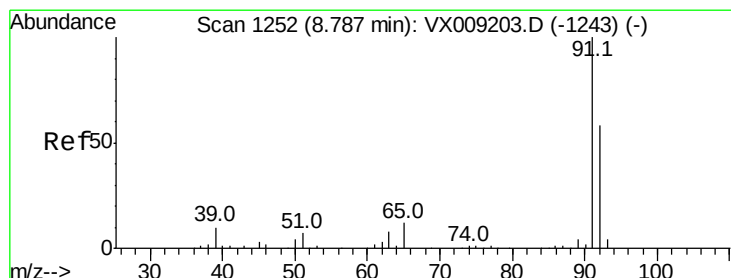
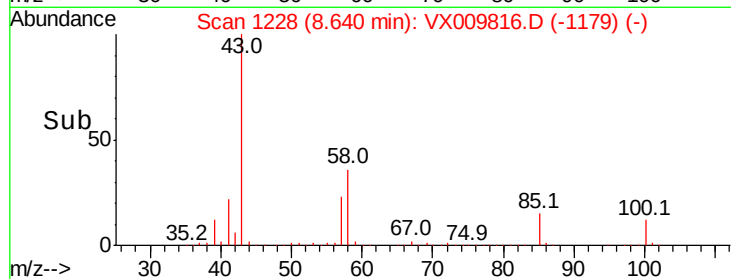
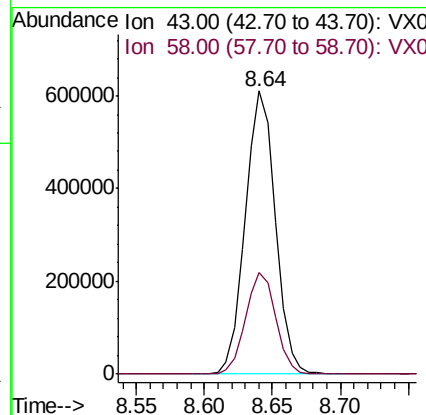
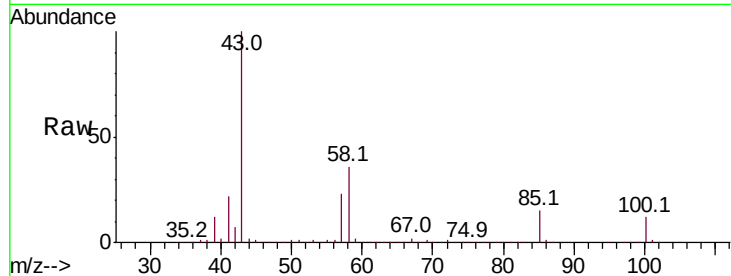
58 36.1 29.5 44.3

Manual Integrations

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#52

Toluene

Concen: 45.812 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009816.D

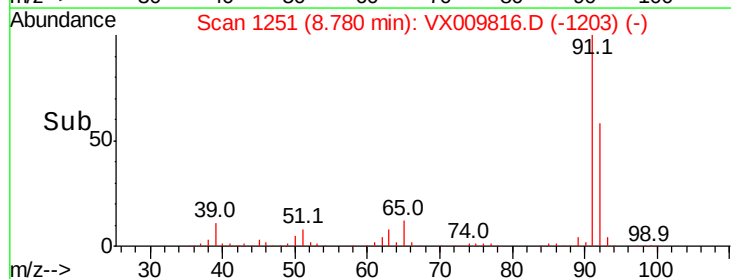
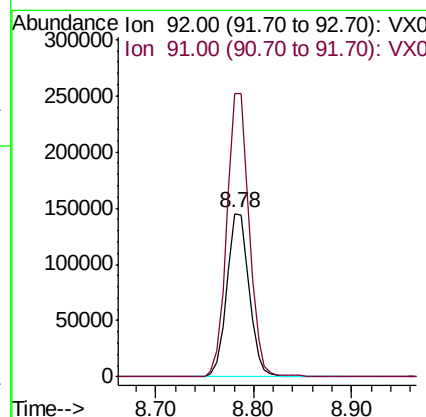
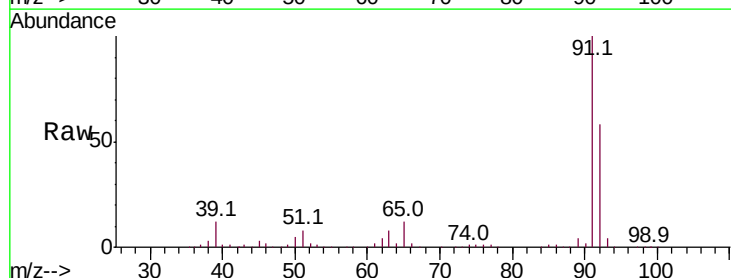
Acq: 22 May 2019 19:51

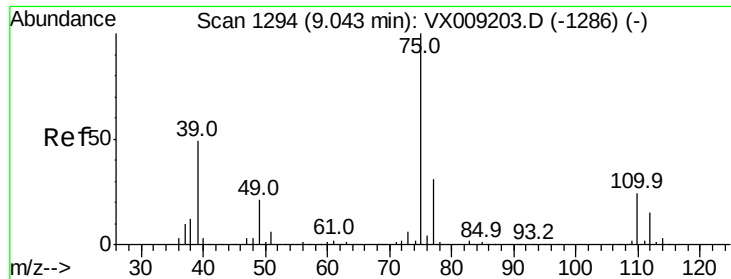
Tgt Ion: 92 Resp: 230988

Ion Ratio Lower Upper

92 100

91 173.7 138.8 208.2





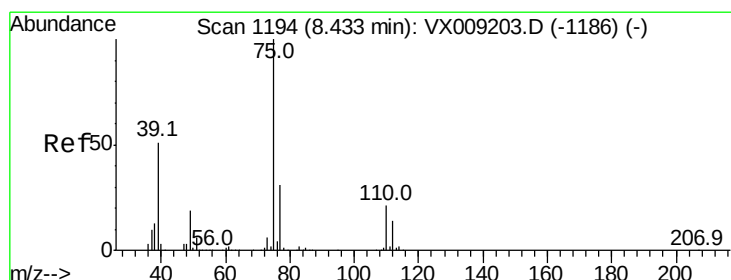
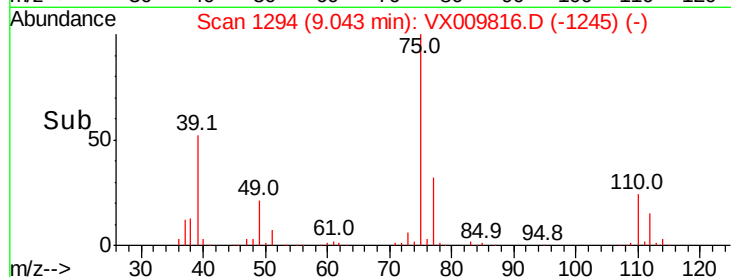
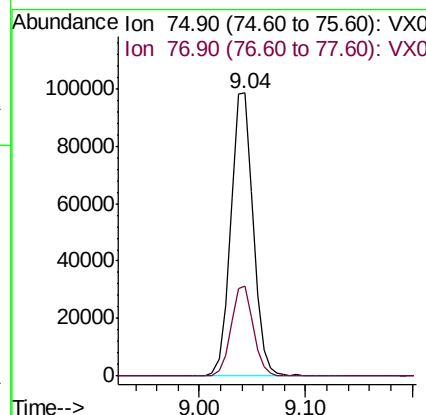
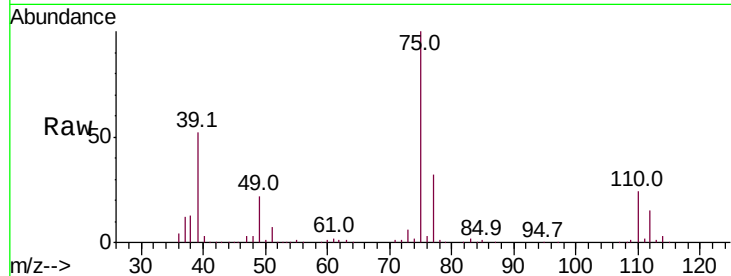
#53
t-1,3-Dichloropropene
Concen: 47.435 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 145703
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6

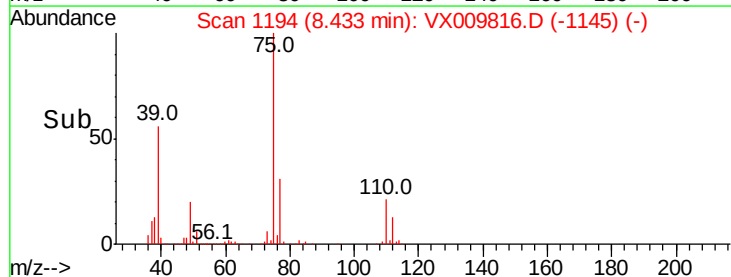
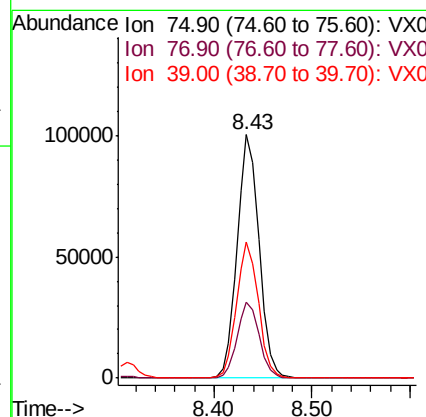
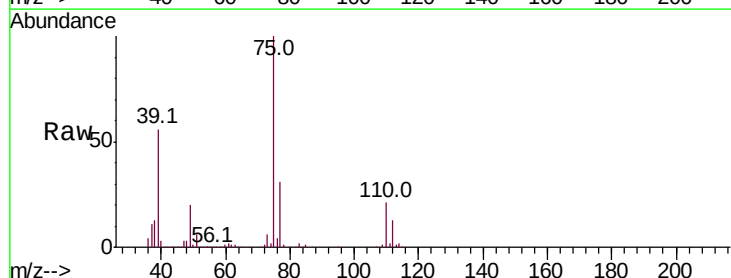
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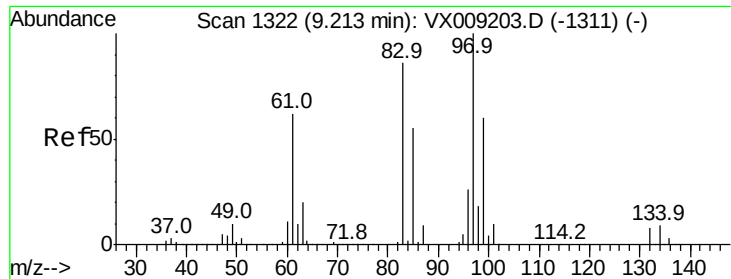
MMDadoda
5/23/2019 10:45:12 AM



#54
cis-1,3-Dichloropropene
Concen: 46.120 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 75 Resp: 156803
Ion Ratio Lower Upper
75 100
77 31.3 24.6 36.8
39 55.9 40.6 60.8





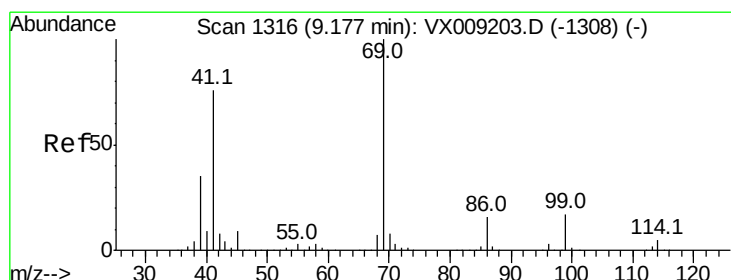
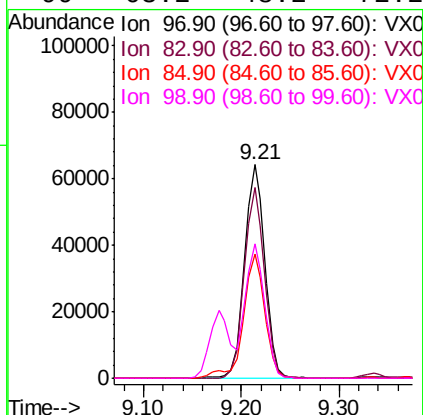
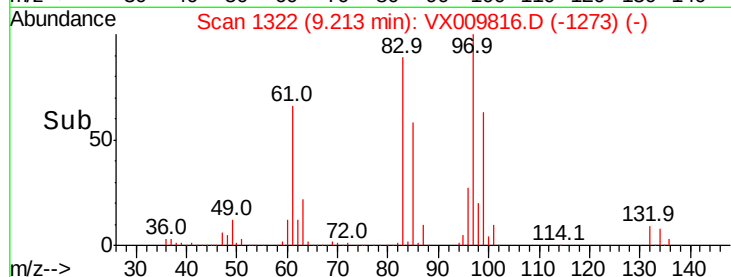
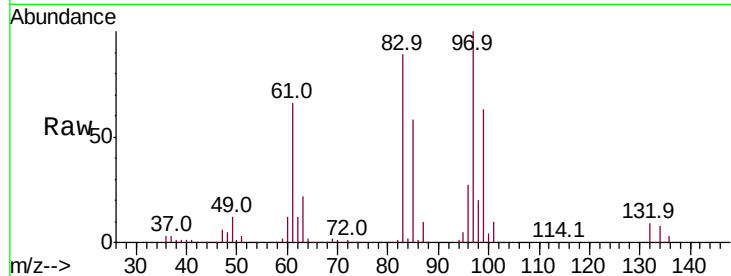
#55
 1,1,2-Trichloroethane
 Concen: 45.222 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	93023
Ion	Ratio	Lower	Upper
97	100		
83	89.4	68.9	103.3
85	57.9	43.8	65.6
99	63.2	48.2	72.2

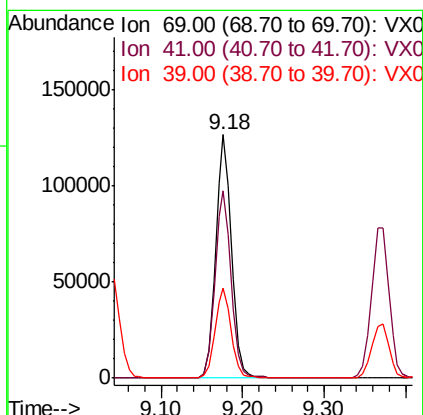
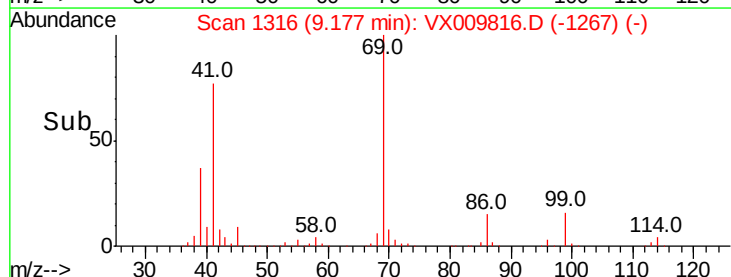
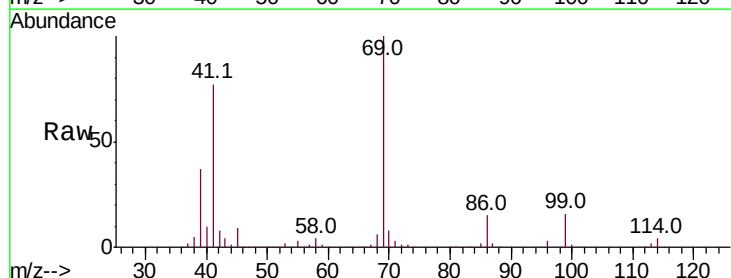
Manual Integrations
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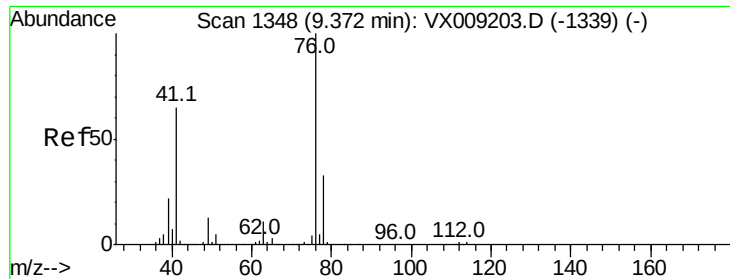
MMDadoda
 5/23/2019 10:45:12 AM



#56
 Ethyl methacrylate
 Concen: 47.424 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion	69	Resp	174137
Ion	Ratio	Lower	Upper
69	100		
41	78.1	60.6	90.8
39	37.5	28.2	42.4





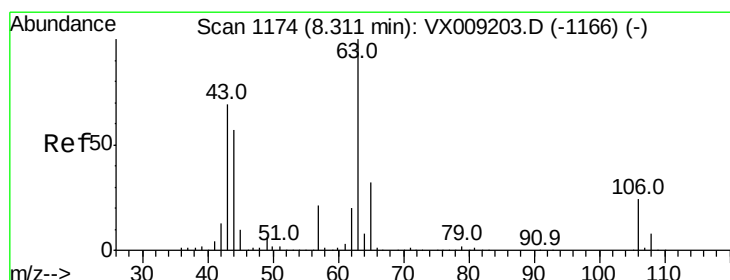
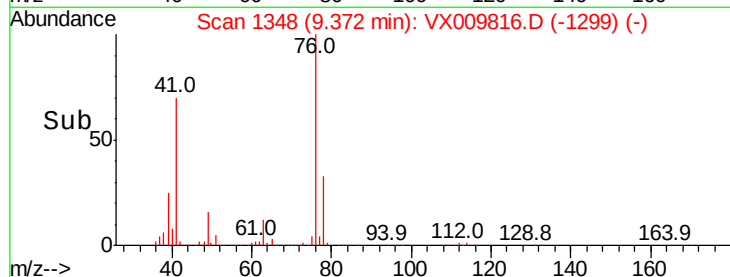
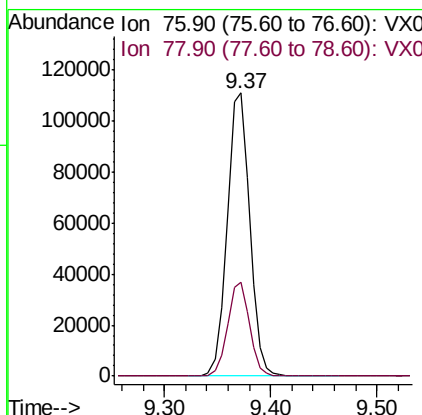
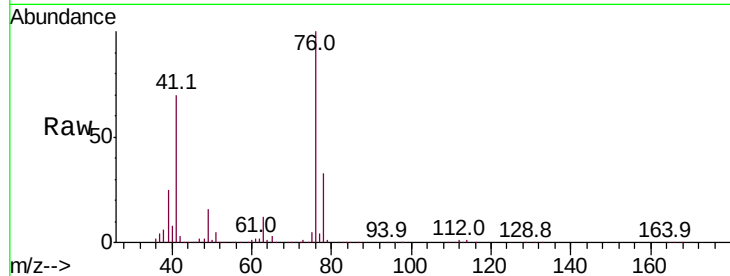
#57
 1,3-Dichloropropane
 Concen: 45.481 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

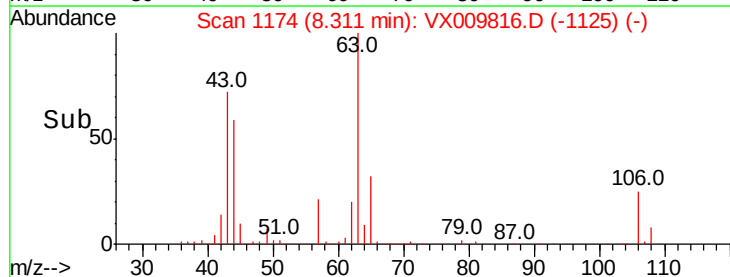
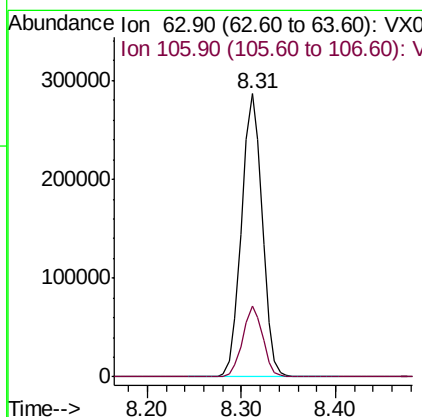
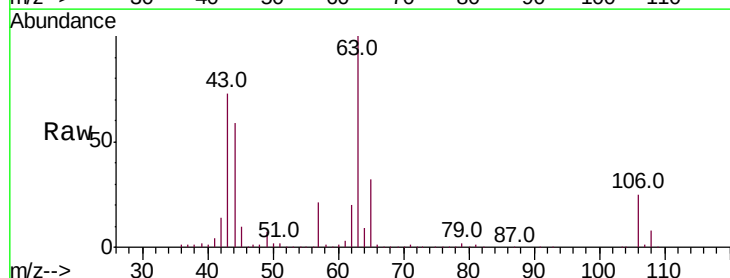
Manual Integrations
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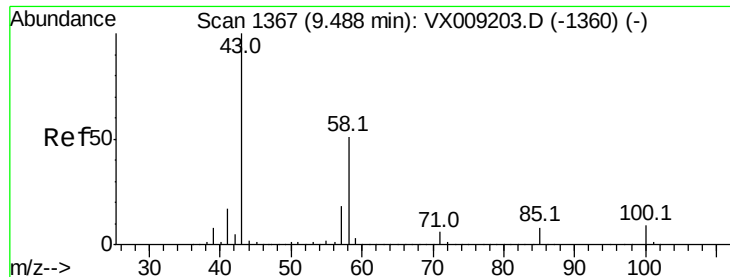
MMDadoda
 5/23/2019 10:45:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.623 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.2	19.7	29.5





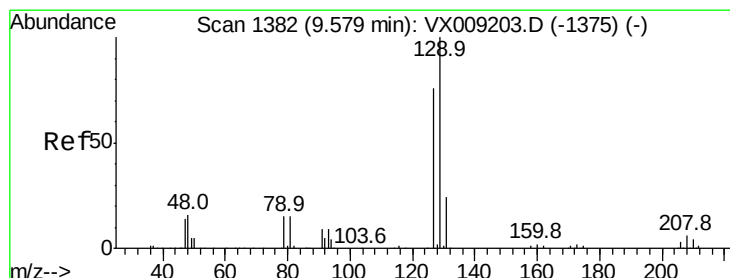
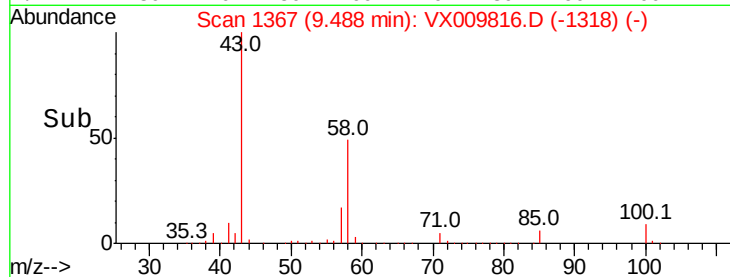
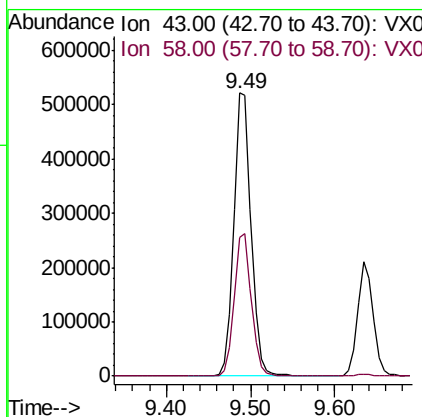
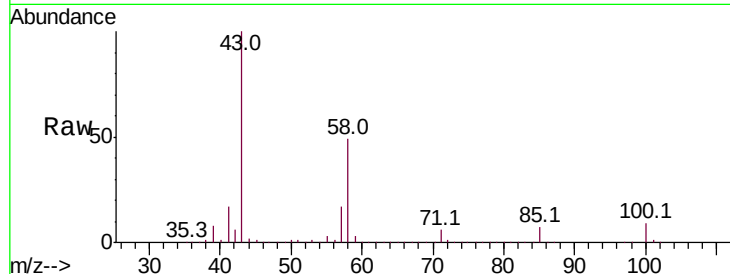
#59
2-Hexanone
Concen: 235.745 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 722867
Ion Ratio Lower Upper
43 100
58 50.0 25.9 77.7

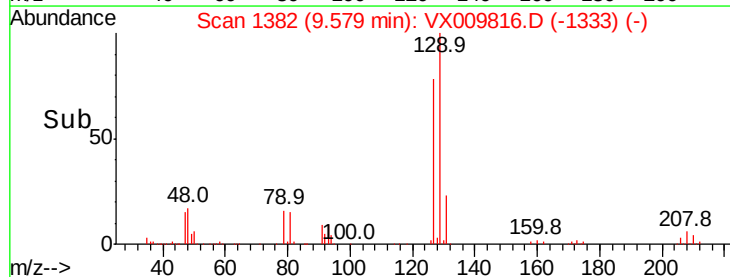
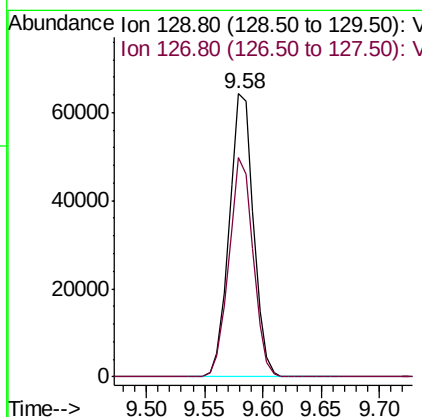
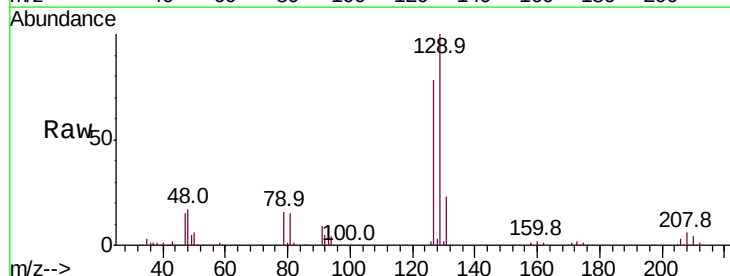
Manual Integrations
APPROVED

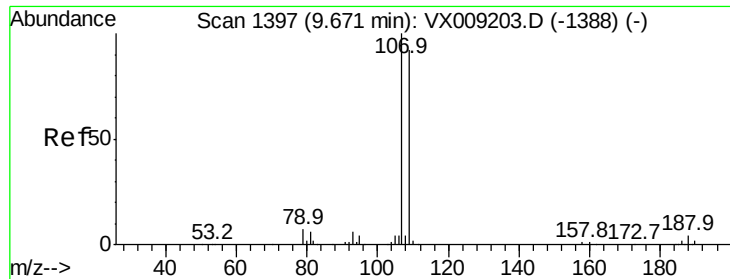
MMDadoda
5/23/2019 10:45:12 AM



#60
Dibromochloromethane
Concen: 46.438 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 129 Resp: 93297
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 45.770 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 95038

Ion Ratio Lower Upper

107 100

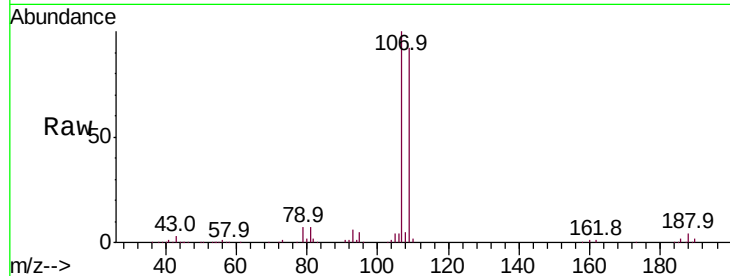
109 94.4 75.2 112.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

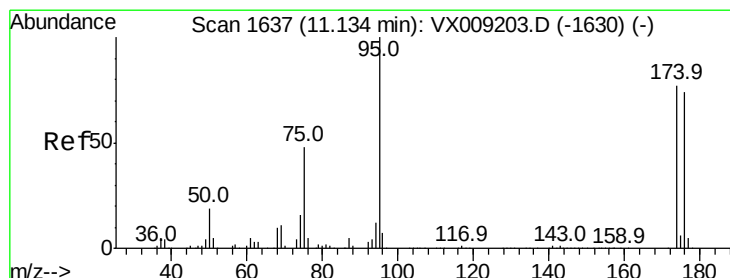
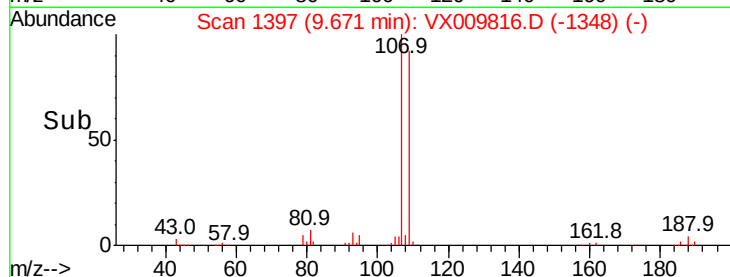
40000

20000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 44.739 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

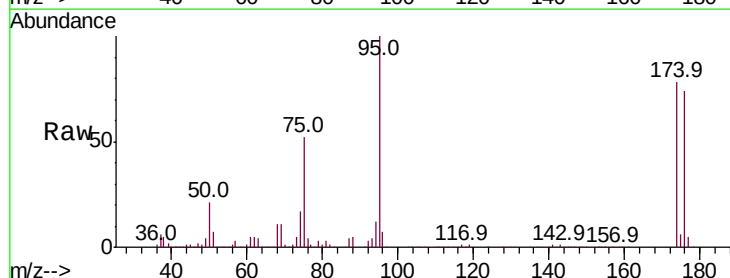
Tgt Ion: 95 Resp: 118991

Ion Ratio Lower Upper

95 100

174 81.4 0.0 161.6

176 78.9 0.0 159.2



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

11.13

120000

100000

80000

60000

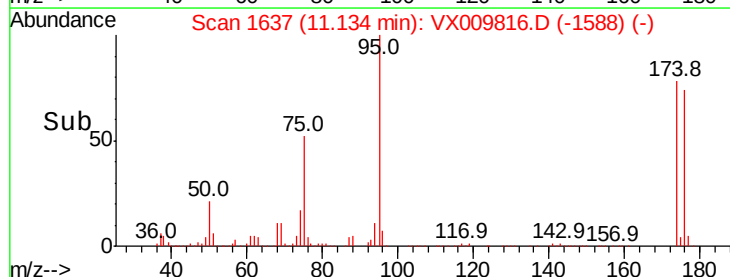
40000

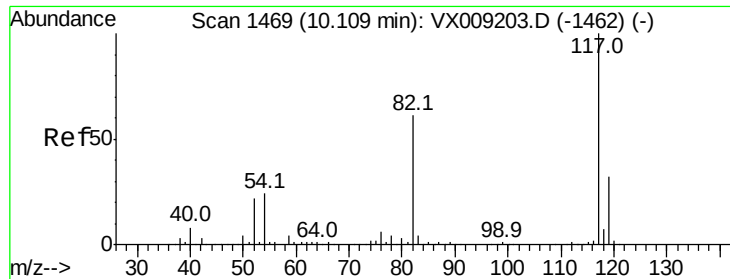
20000

0

11.05 11.10 11.15 11.20

Time-->





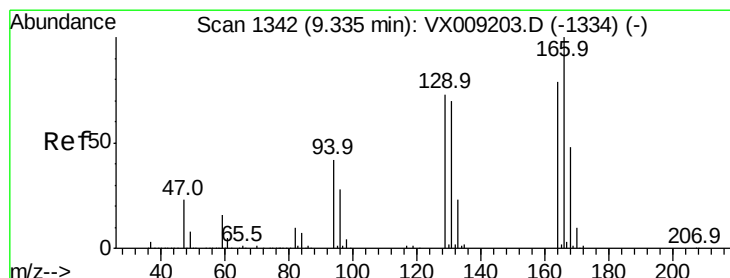
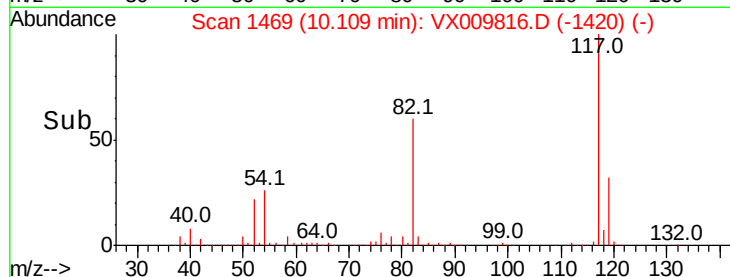
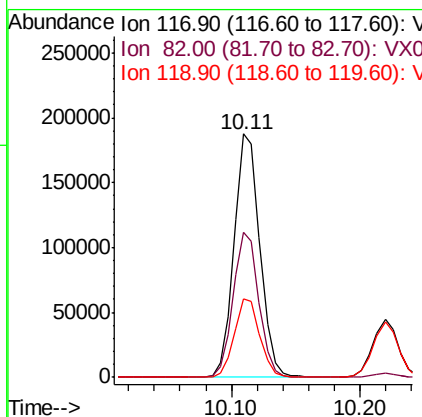
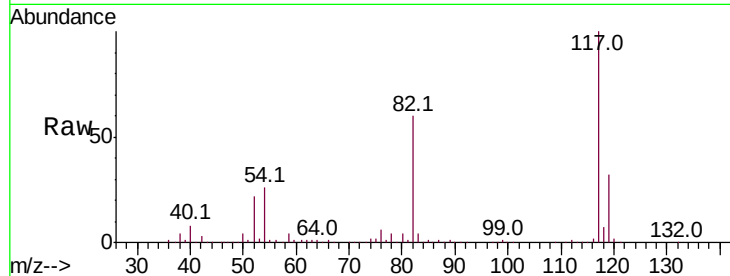
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	48.8	73.2
119	32.1	25.8	38.6

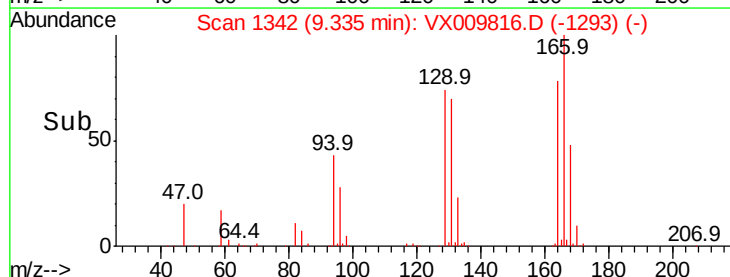
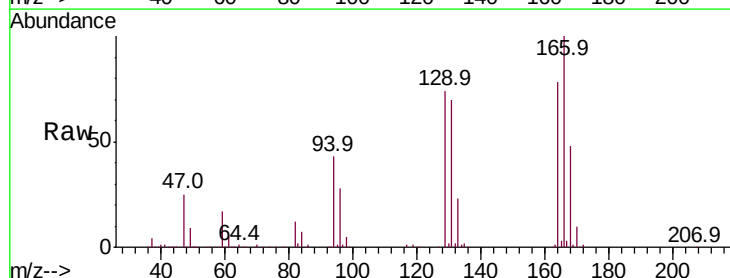
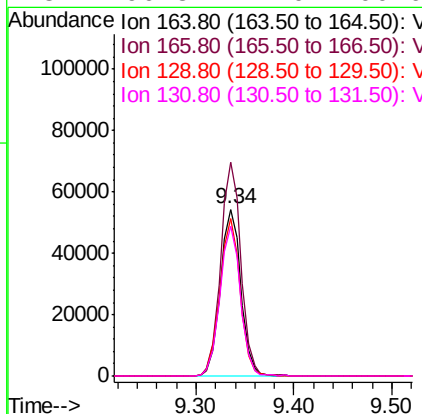
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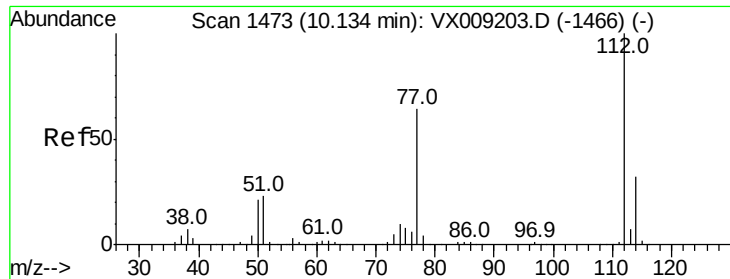
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#64
Tetrachloroethene
Concen: 43.838 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.2	151.8
129	94.3	74.3	111.5
131	90.3	71.0	106.6





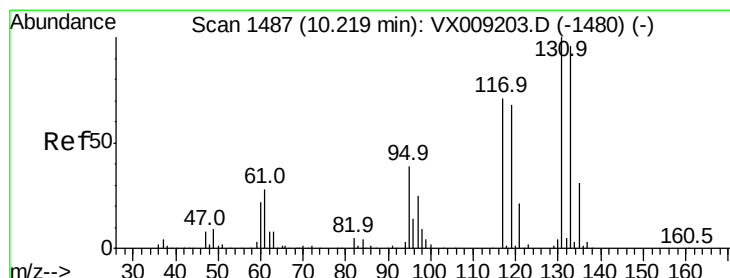
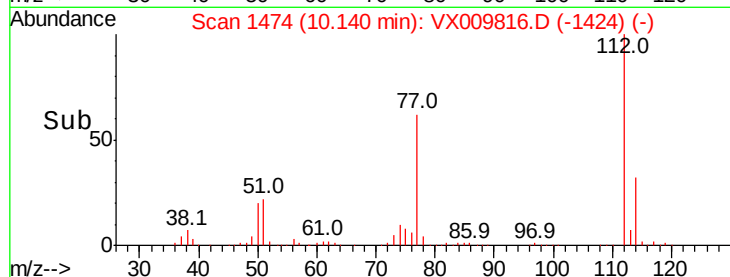
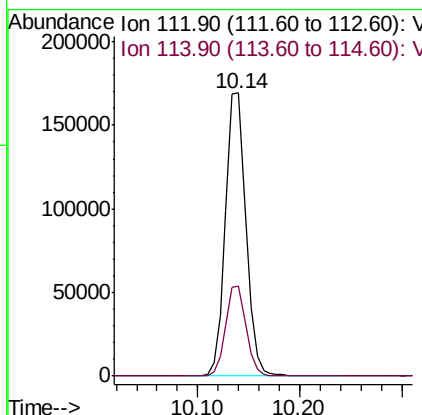
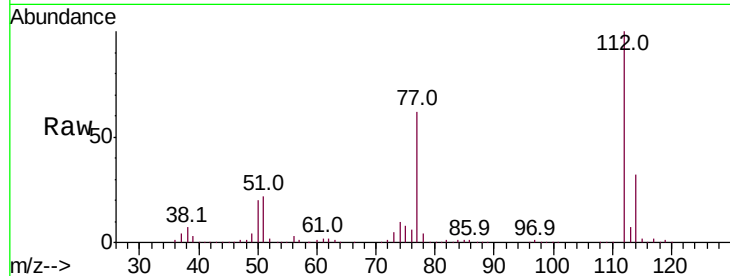
#65
Chlorobenzene
Concen: 45.259 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 236974
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

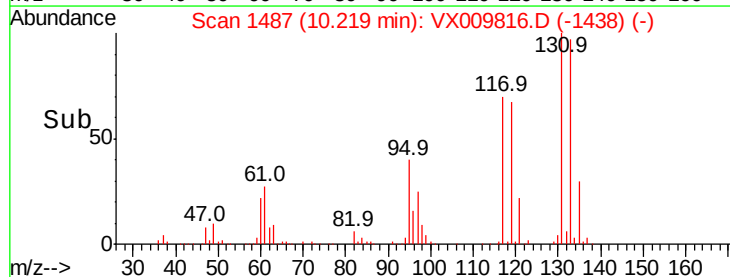
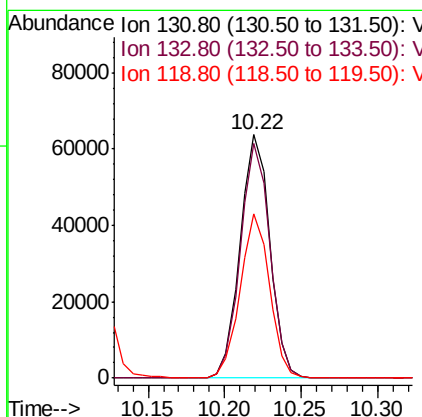
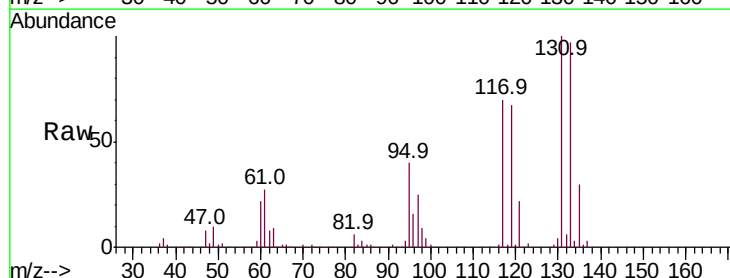
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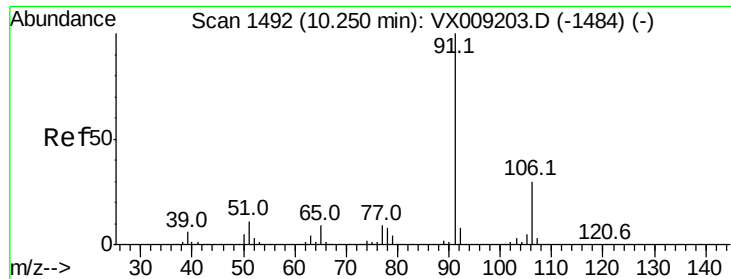
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.370 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion:131 Resp: 86125
Ion Ratio Lower Upper
131 100
133 96.0 47.7 143.1
119 66.9 33.5 100.4





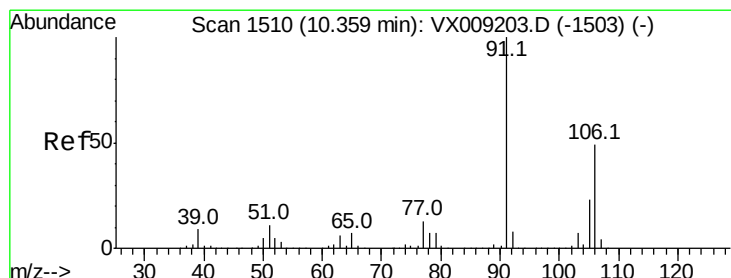
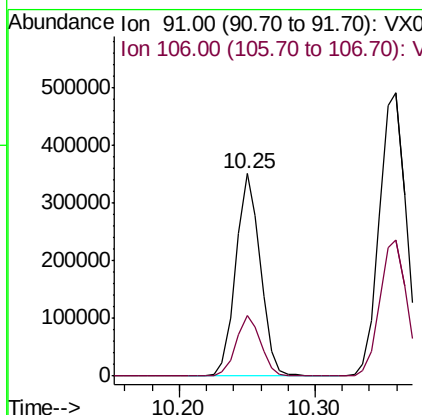
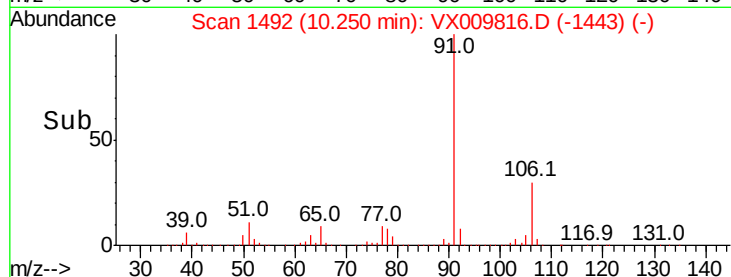
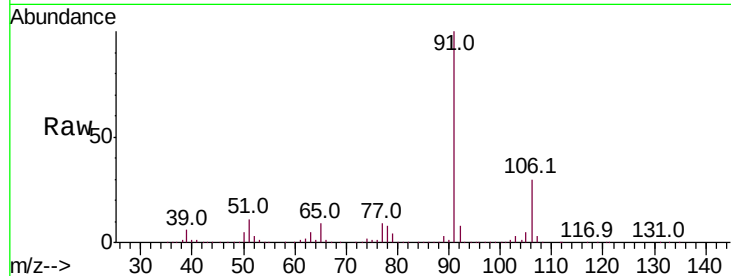
#67
Ethyl Benzene
Concen: 45.766 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 441008
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0

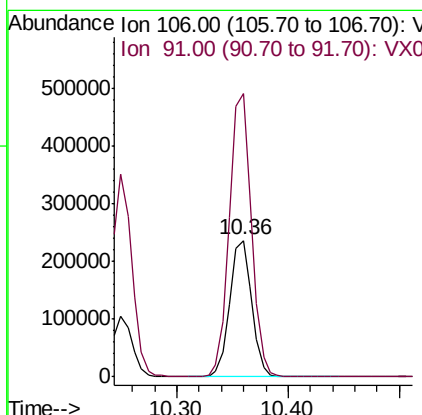
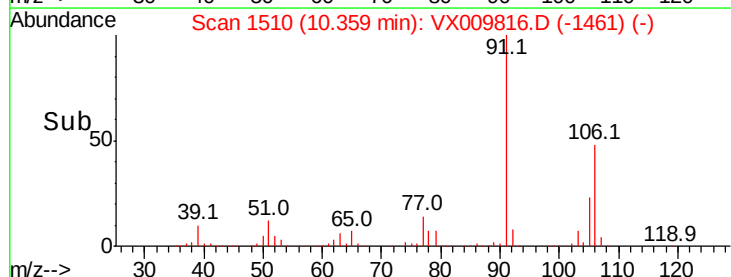
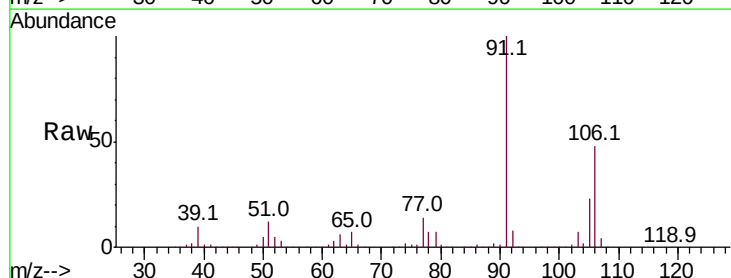
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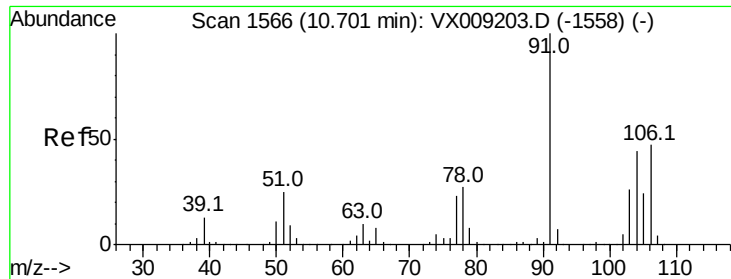
MMDadoda
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#68
m/p-Xylenes
Concen: 91.703 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 106 Resp: 322921
Ion Ratio Lower Upper
106 100
91 209.2 164.0 246.0





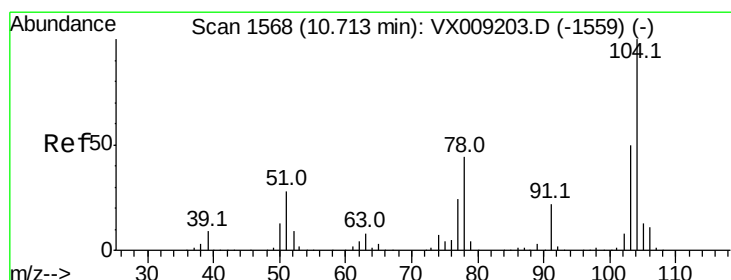
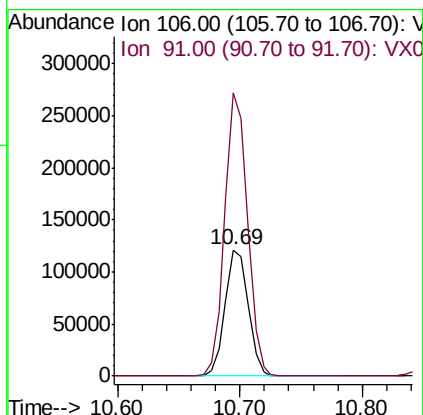
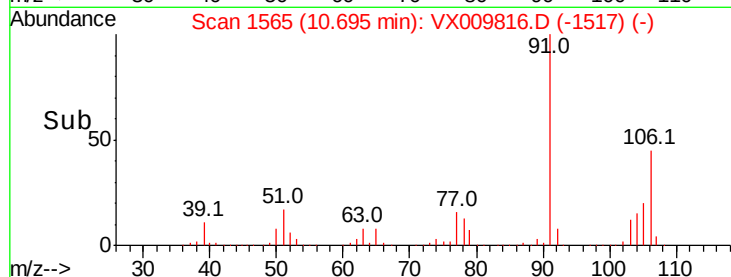
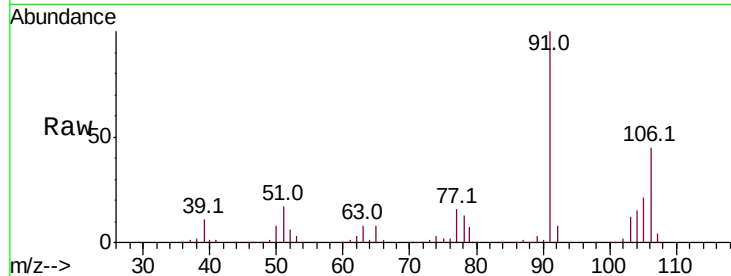
#69
o-Xylene
Concen: 45.848 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 159293
Ion Ratio Lower Upper
106 100
91 220.1 109.5 328.4

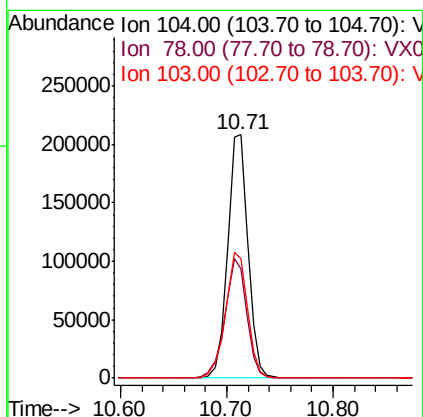
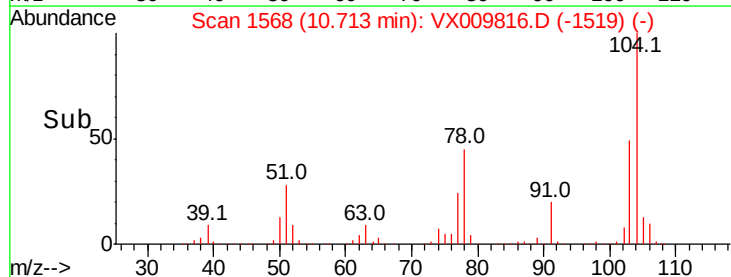
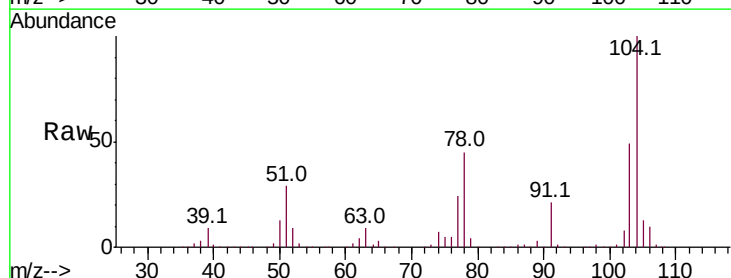
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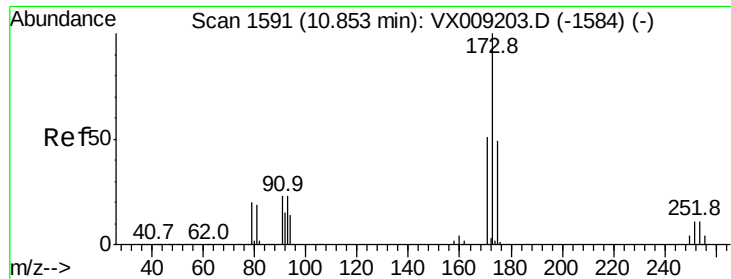
MMDadoda
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#70
Styrene
Concen: 46.379 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion:104 Resp: 280071
Ion Ratio Lower Upper
104 100
78 52.2 41.0 61.4
103 55.4 43.8 65.6





#71

Bromoform

Concen: 46.593 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:173 Resp: 71875

Ion Ratio Lower Upper

173 100

175 48.8 24.5 73.5

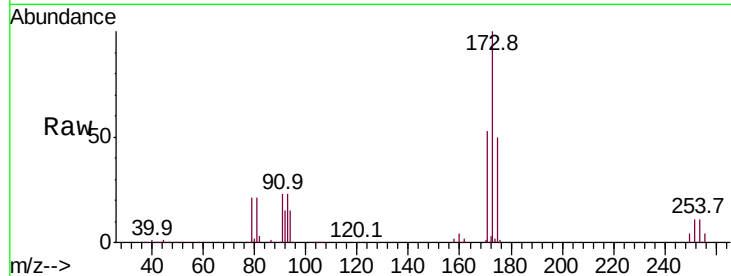
254 0.2 0.1 0.1#

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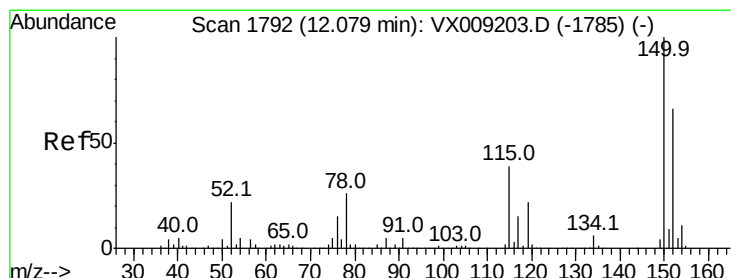
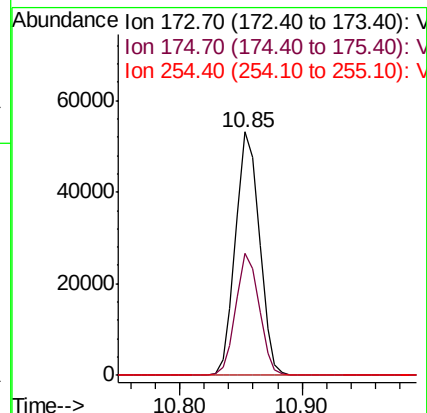
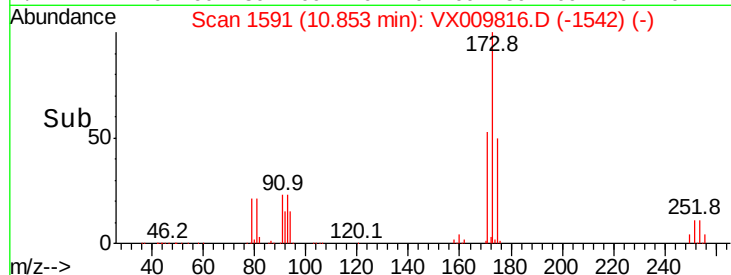
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

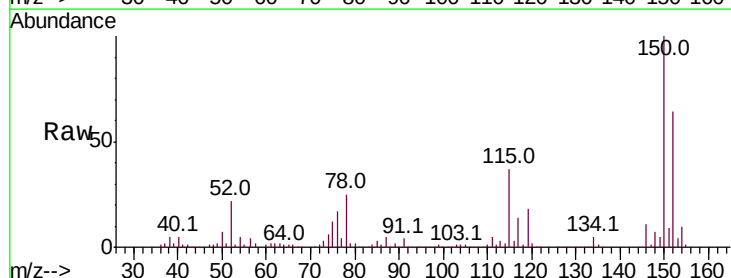
Tgt Ion:152 Resp: 128625

Ion Ratio Lower Upper

152 100

115 79.7 41.2 123.6

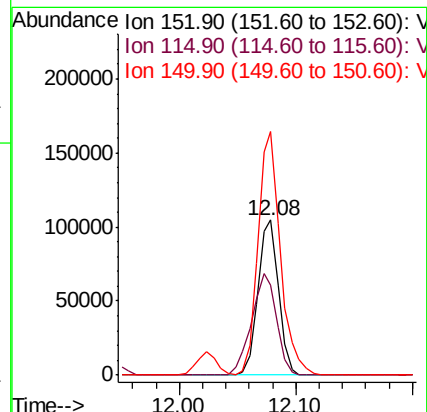
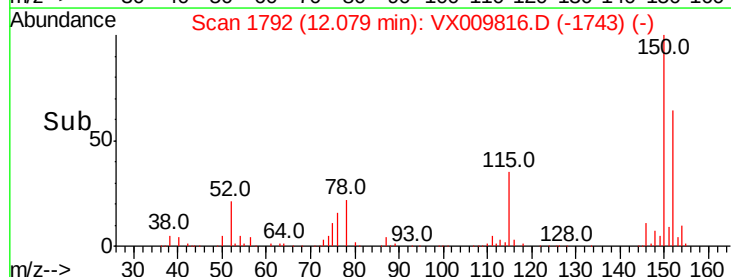
150 170.9 0.0 346.4

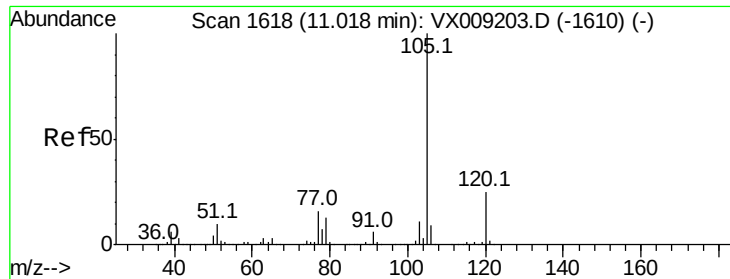


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.009 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 420994

Ion Ratio Lower Upper

105 100

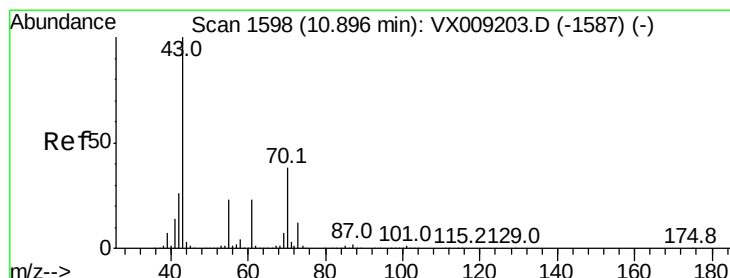
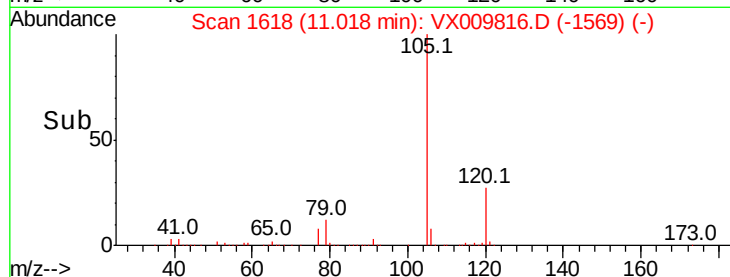
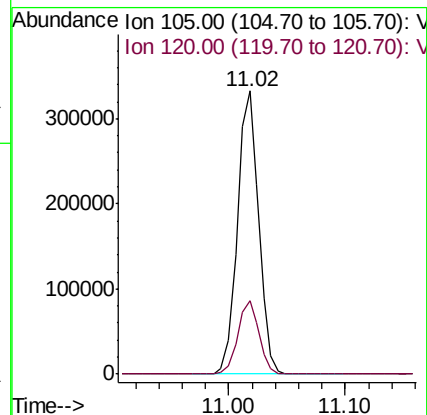
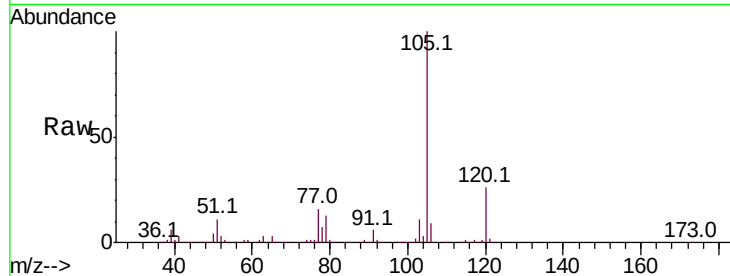
120 25.8 12.8 38.3

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#74

N-ethyl acetate

Concen: 47.688 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Tgt Ion: 43 Resp: 260053

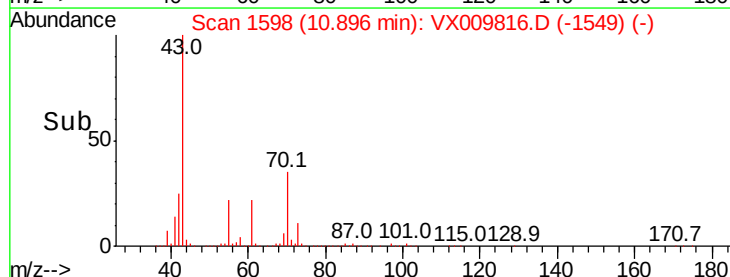
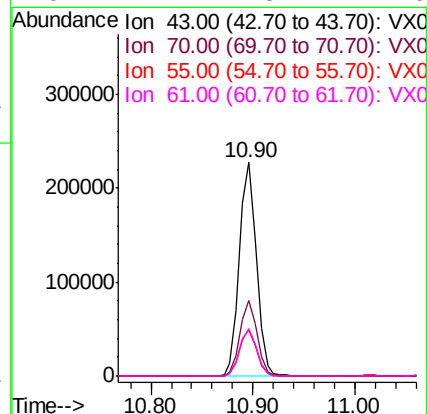
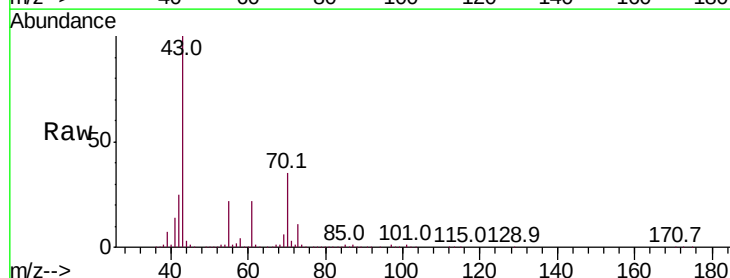
Ion Ratio Lower Upper

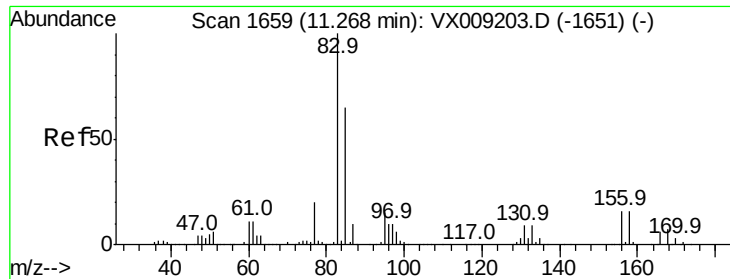
43 100

70 35.5 30.0 45.0

55 22.1 17.9 26.9

61 22.1 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 43.996 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 153408

Ion Ratio Lower Upper

83 100

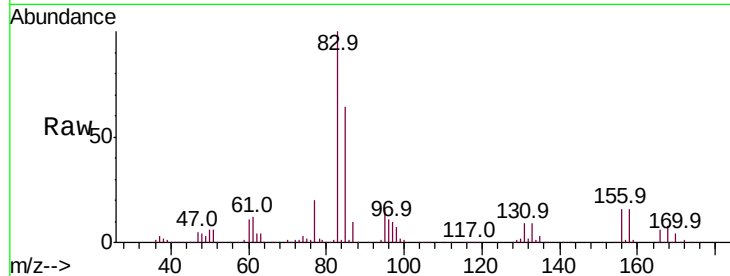
131 9.2 4.6 13.8

85 64.2 32.0 96.2

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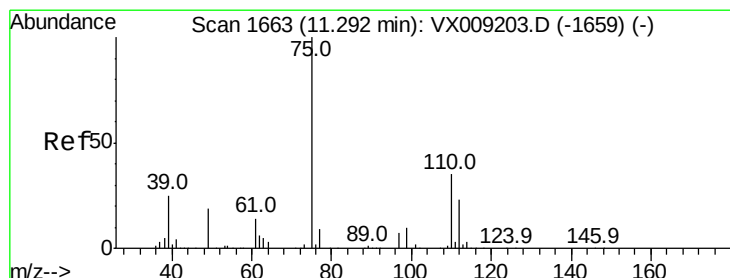
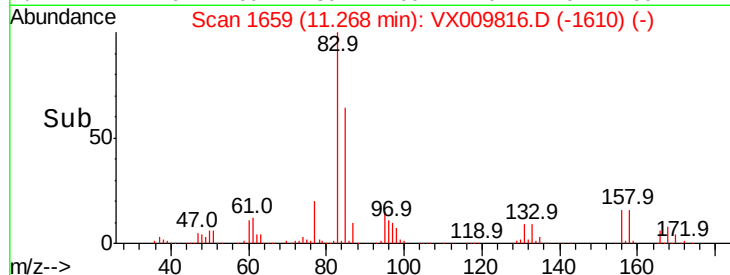
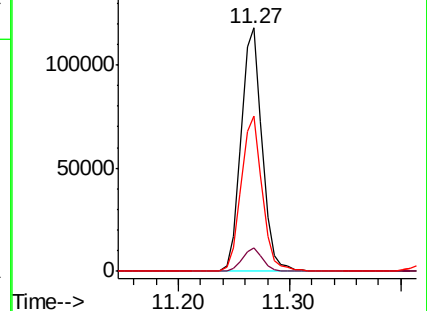
5/23/2019 10:45:12 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 45.856 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009816.D

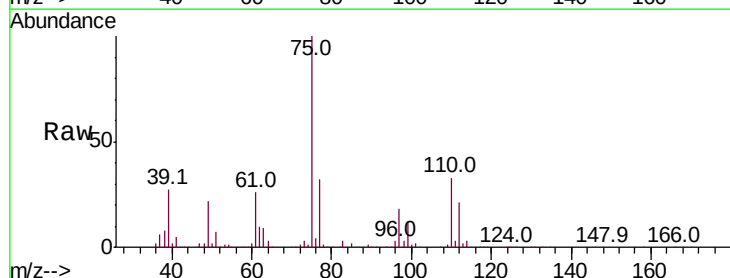
Acq: 22 May 2019 19:51

Tgt Ion: 75 Resp: 136817

Ion Ratio Lower Upper

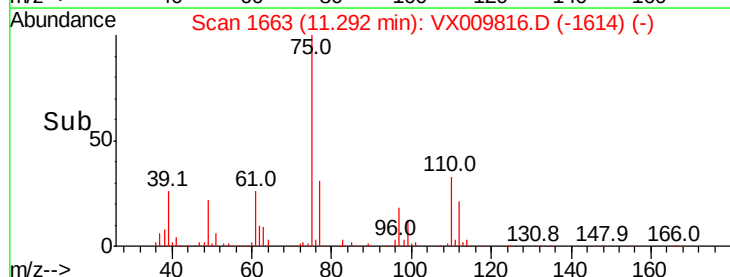
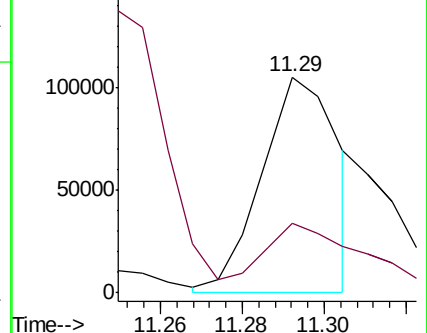
75 100

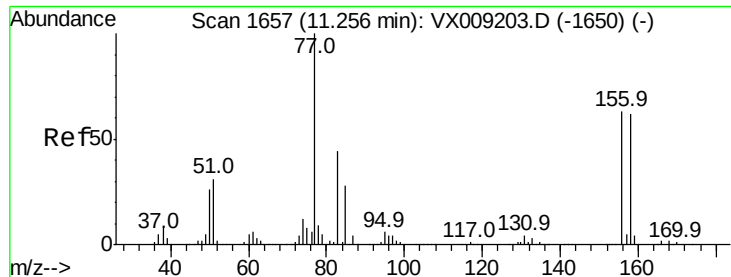
77 42.8 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 44.797 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

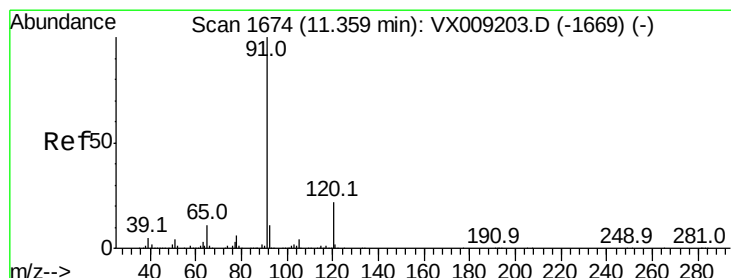
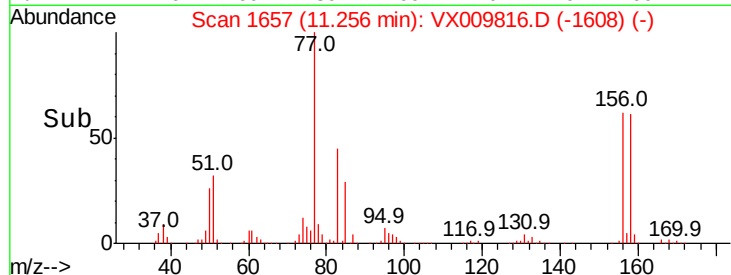
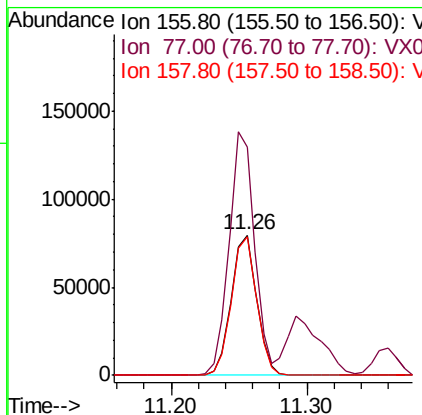
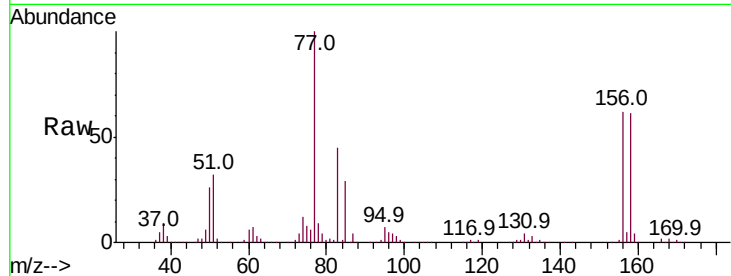
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	104000
Ion Ratio	Lower	Upper	
156	100		
77	172.8	84.8	254.3
158	98.2	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 45.896 ug/l

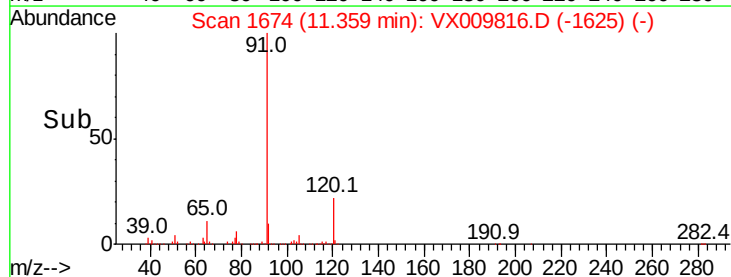
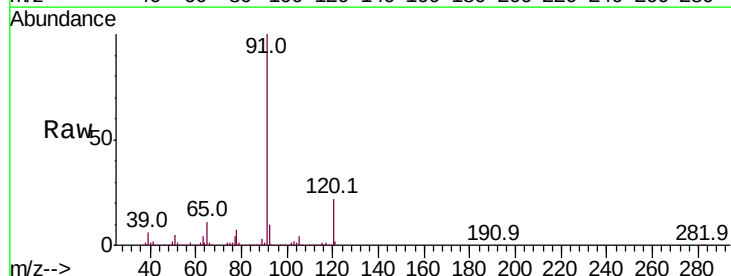
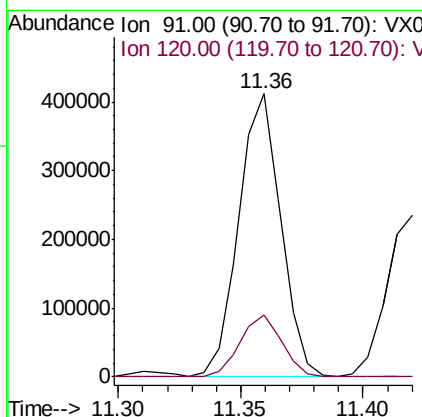
RT: 11.36 min Scan# 1674

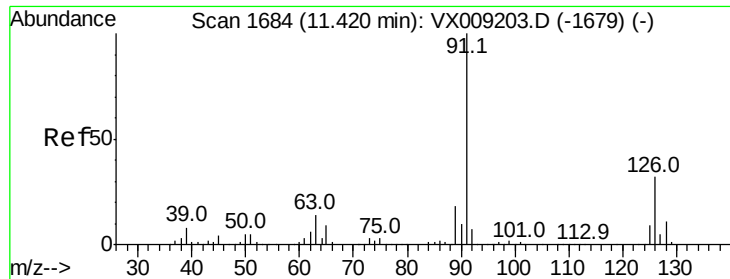
Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Tgt Ion:	91	Resp:	490271
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.0	33.0





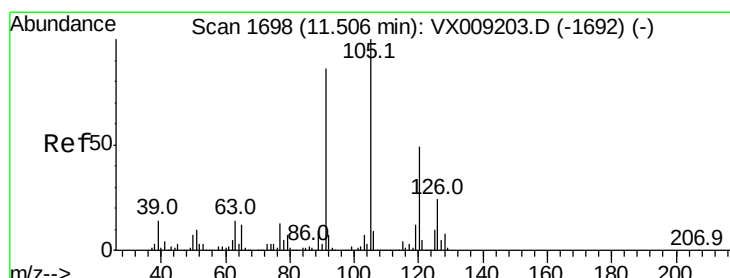
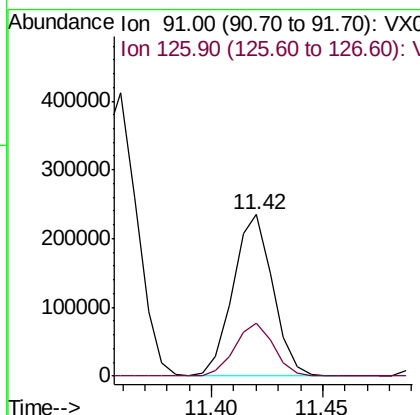
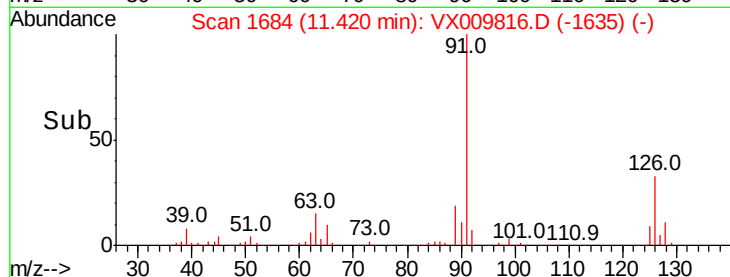
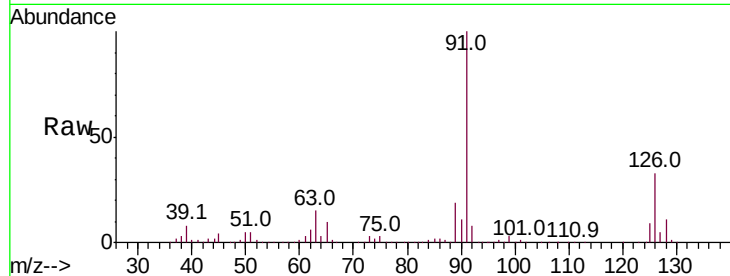
#79
2-Chlorotoluene
Concen: 44.261 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 291698
Ion Ratio Lower Upper
91 100
126 32.5 16.3 48.9

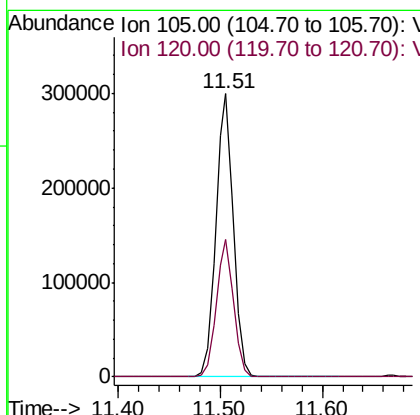
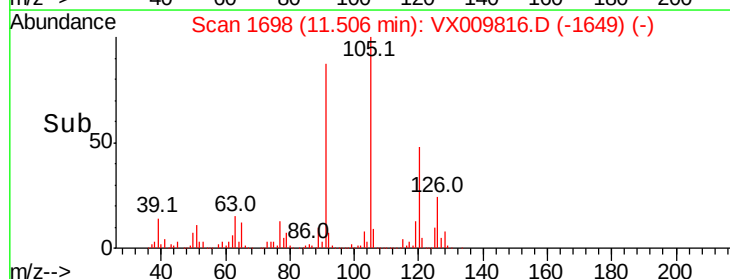
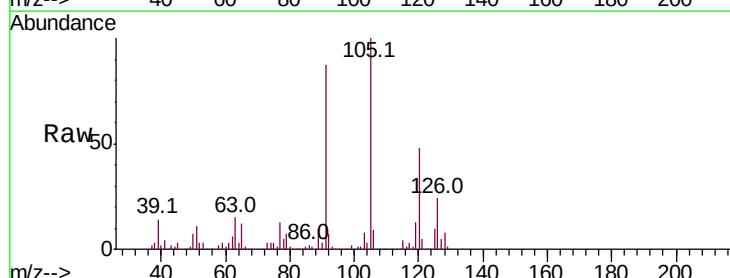
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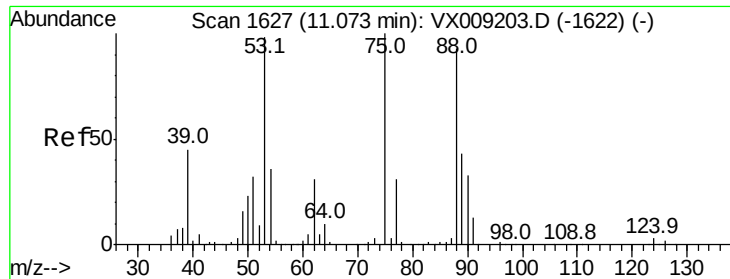
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#80
1,3,5-Trimethylbenzene
Concen: 45.704 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 105 Resp: 359945
Ion Ratio Lower Upper
105 100
120 47.8 24.3 72.9





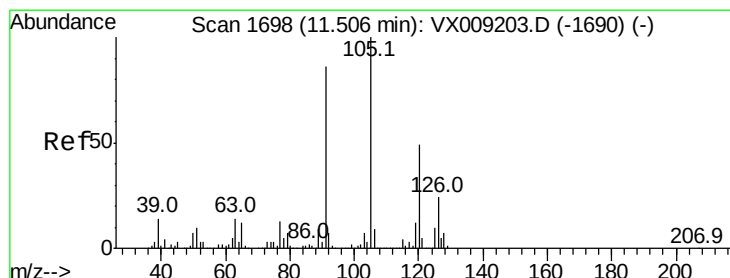
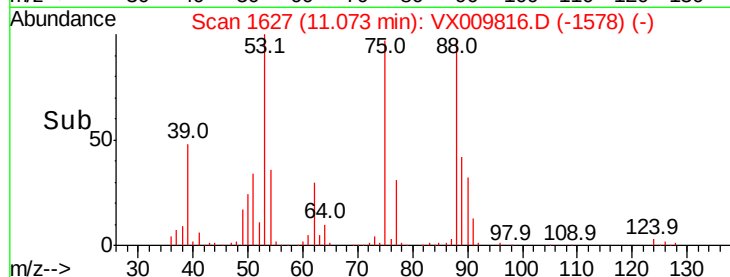
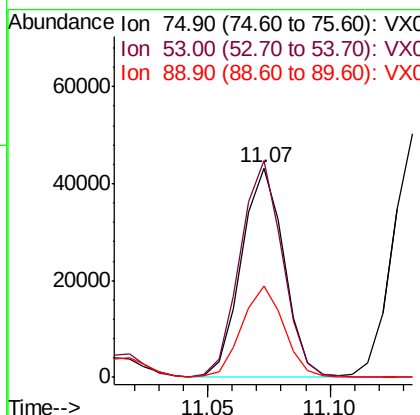
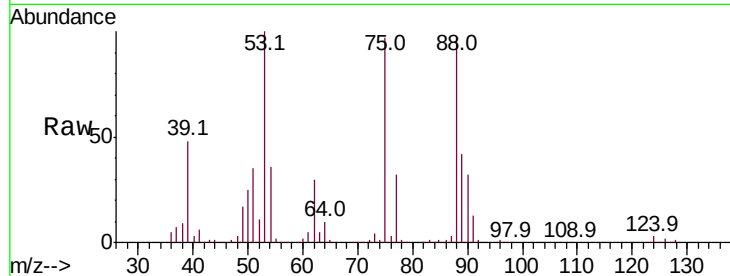
#81
trans-1,4-Dichloro-2-butene
Concen: 44.789 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 52228
Ion Ratio Lower Upper
75 100
53 103.5 79.0 118.6
89 43.7 34.7 52.1

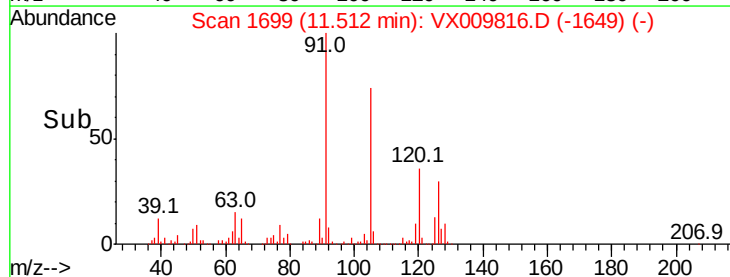
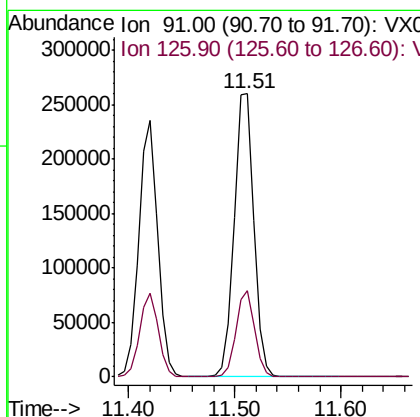
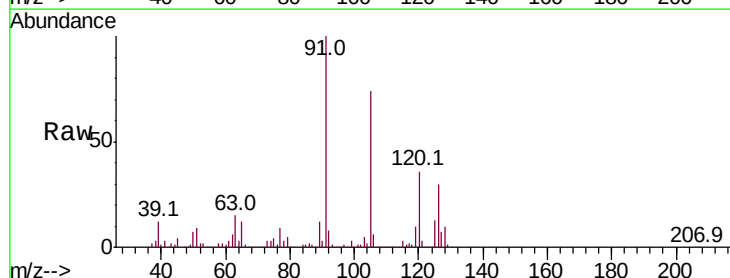
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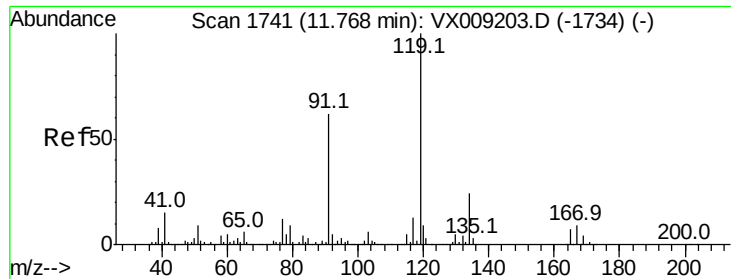
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#82
4-Chlorotoluene
Concen: 45.422 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion: 91 Resp: 338172
Ion Ratio Lower Upper
91 100
126 28.8 14.5 43.6





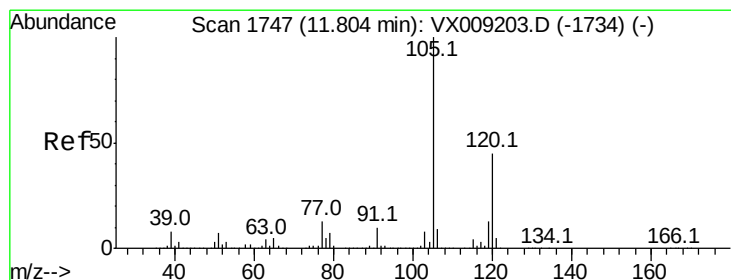
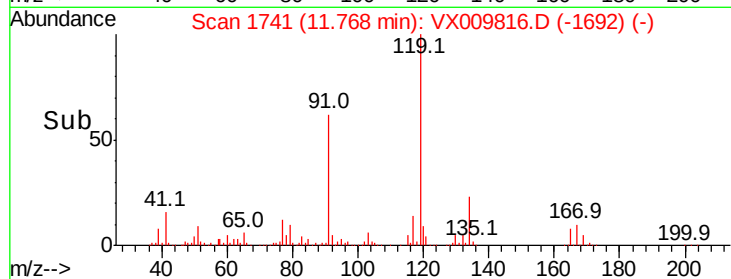
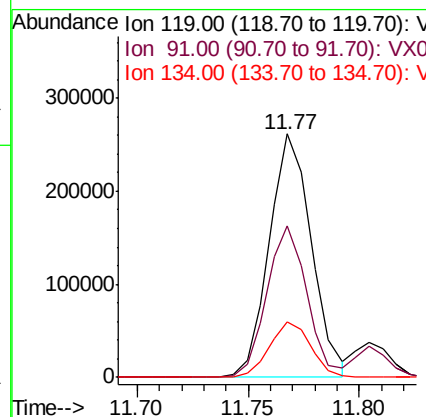
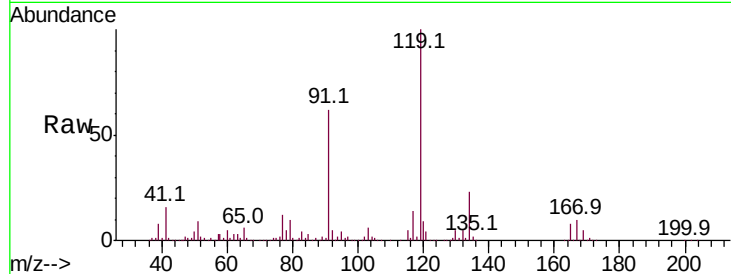
#83
 tert-Butylbenzene
 Concen: 44.873 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	59.4	29.5	88.5	
134	22.2	11.4	34.1	

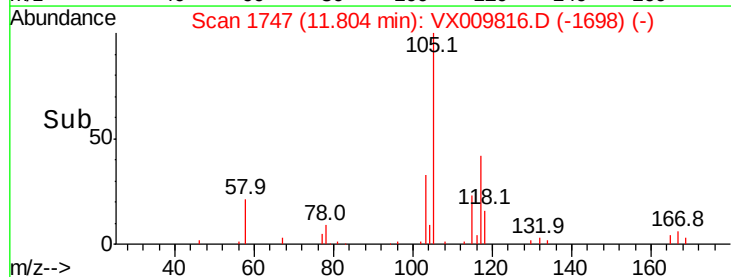
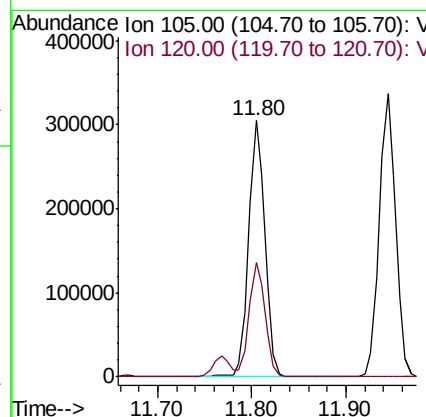
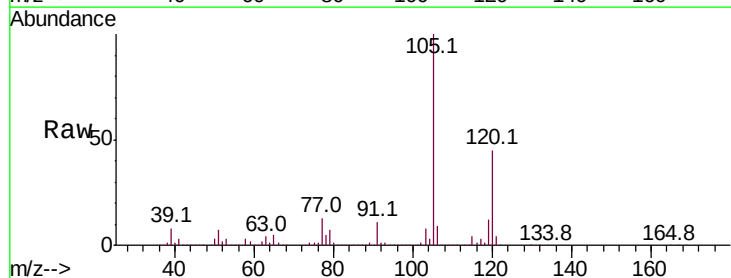
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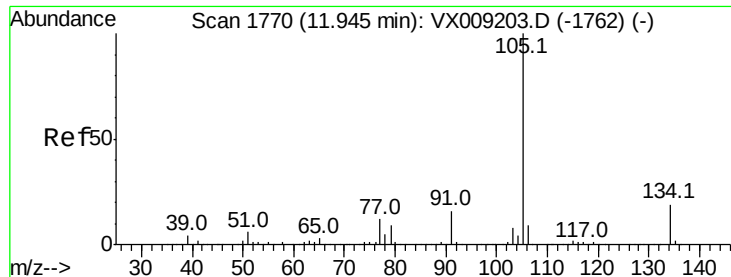
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.991 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	43.6	22.0	66.0	





#85

sec-Butylbenzene

Concen: 44.665 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 405699

Ion Ratio Lower Upper

105 100

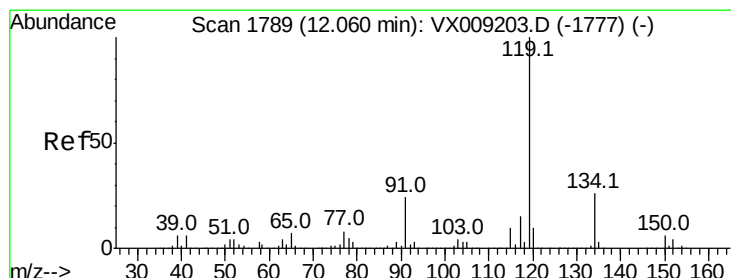
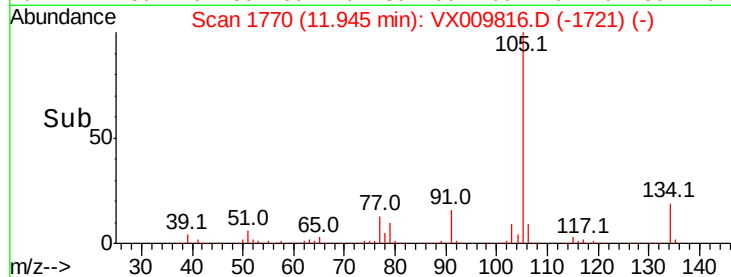
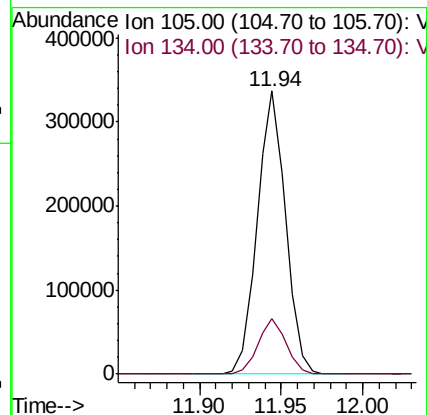
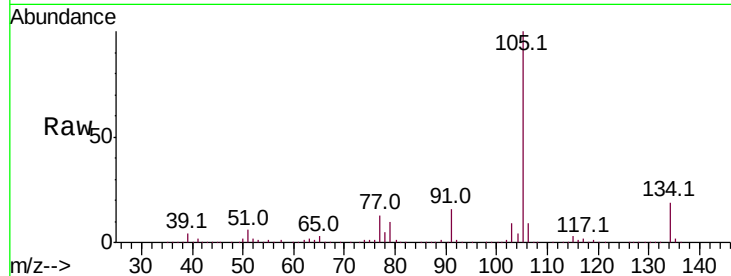
134 19.3 9.7 28.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 45.597 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009816.D

Acq: 22 May 2019 19:51

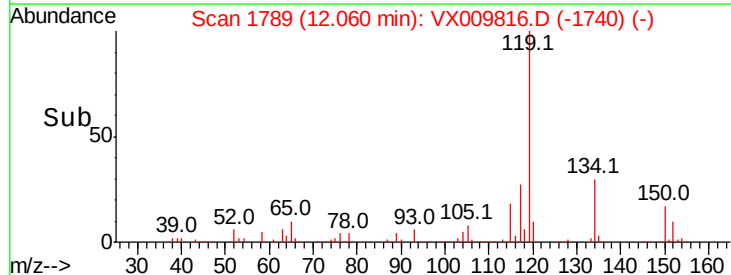
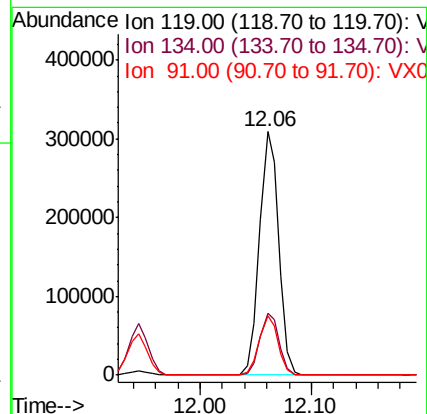
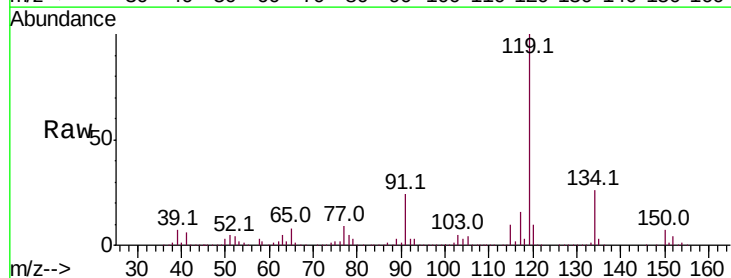
Tgt Ion:119 Resp: 372330

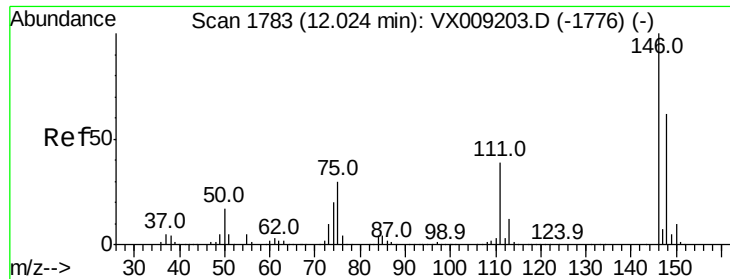
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 23.9 11.8 35.4





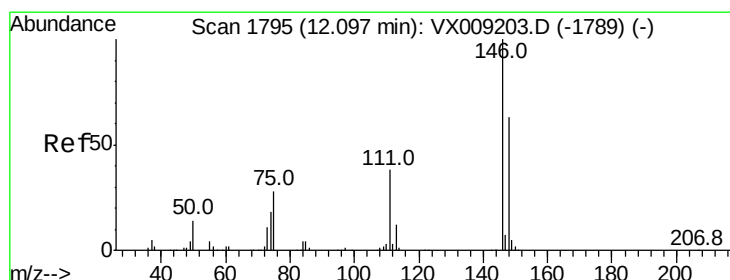
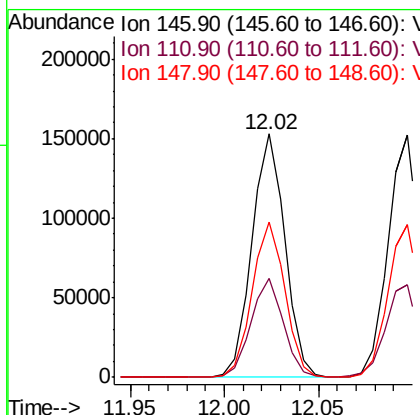
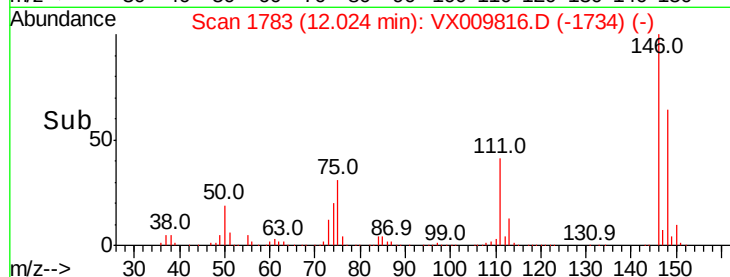
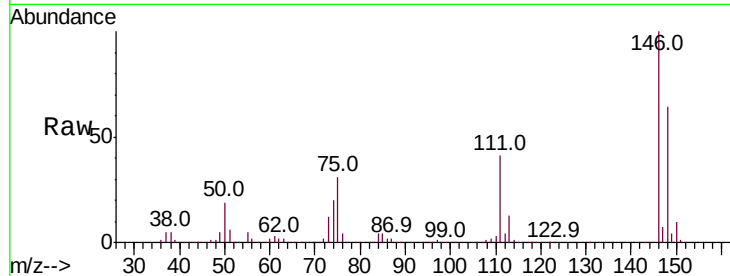
#87
 1,3-Dichlorobenzene
 Concen: 44.876 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.5	31.8	95.3

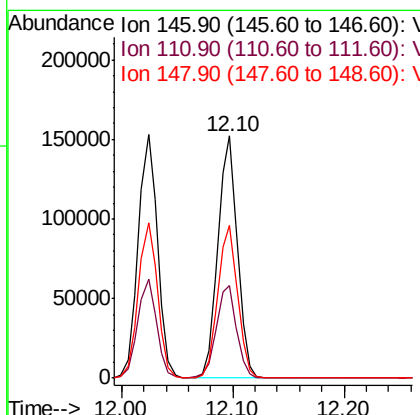
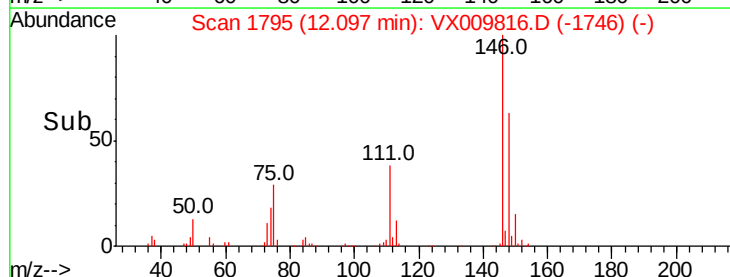
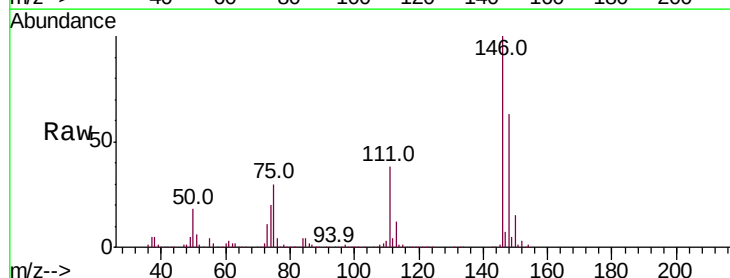
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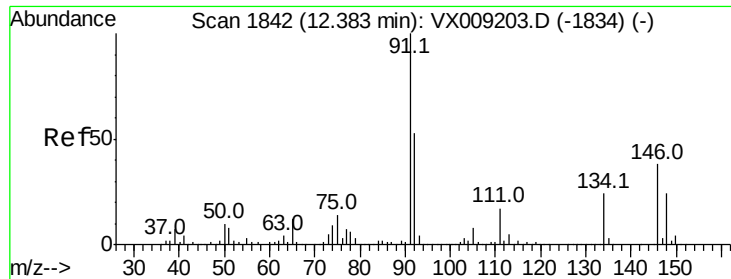
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#88
 1,4-Dichlorobenzene
 Concen: 44.220 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	63.8	31.8	95.3





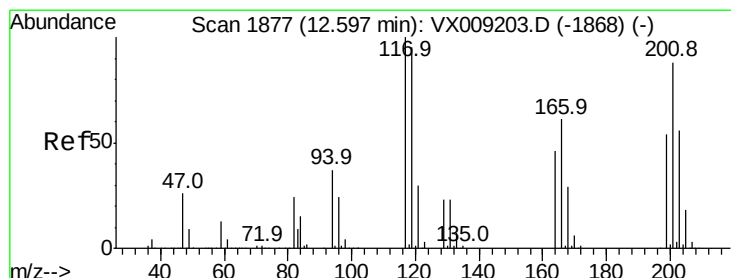
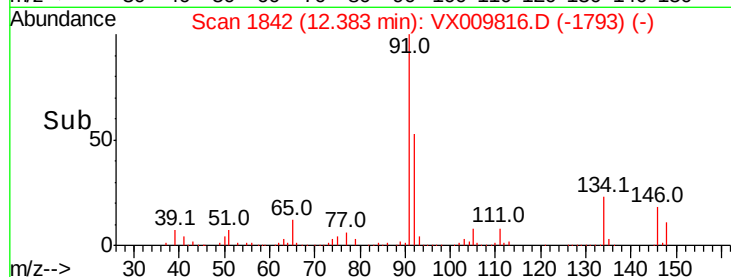
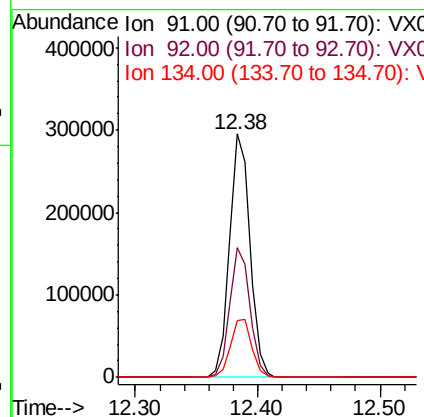
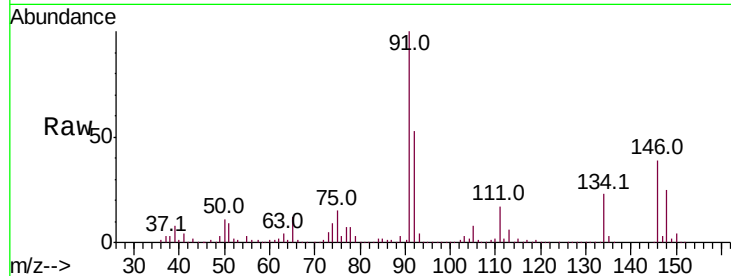
#89
n-Butylbenzene
Concen: 45.968 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	24.6	12.4	37.2

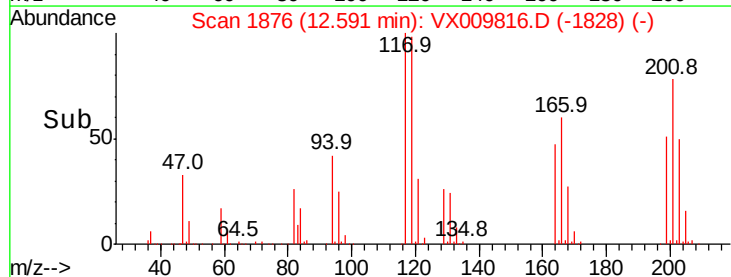
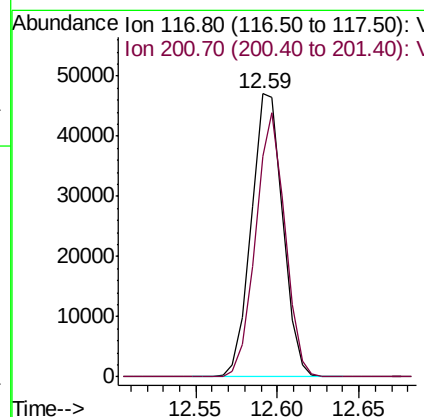
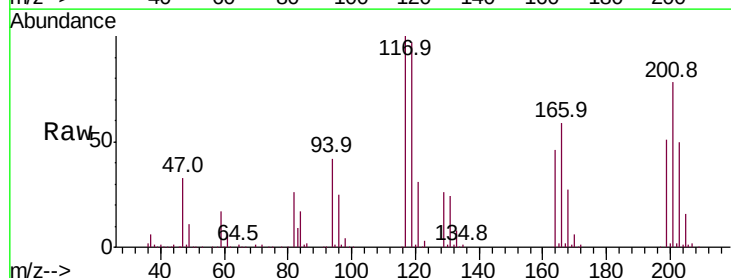
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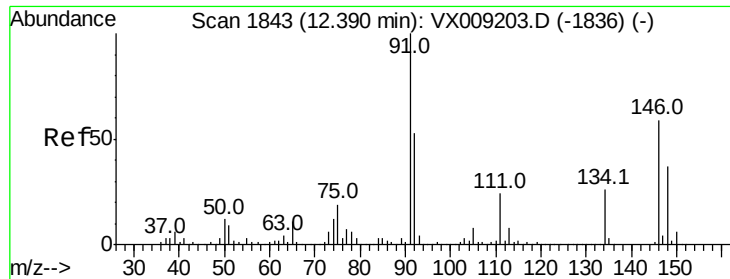
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#90
Hexachloroethane
Concen: 45.706 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.6	42.3	126.9





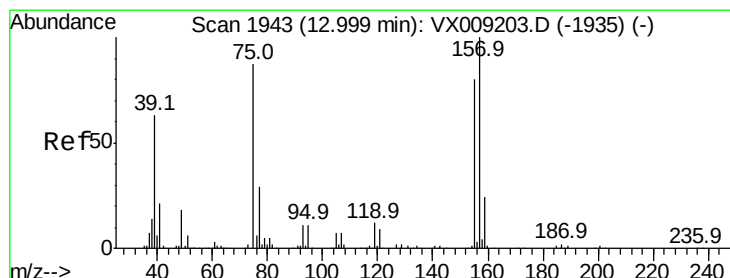
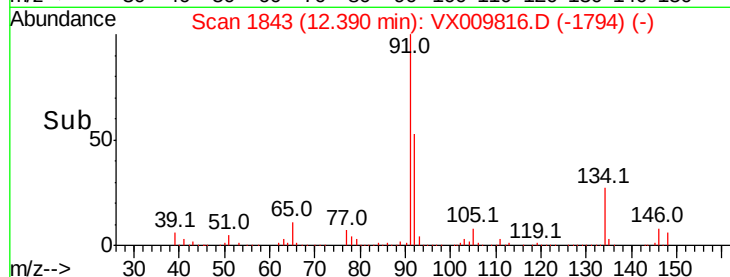
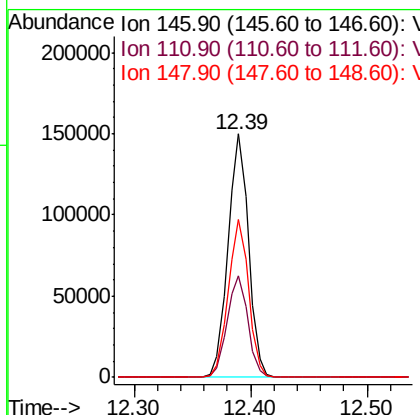
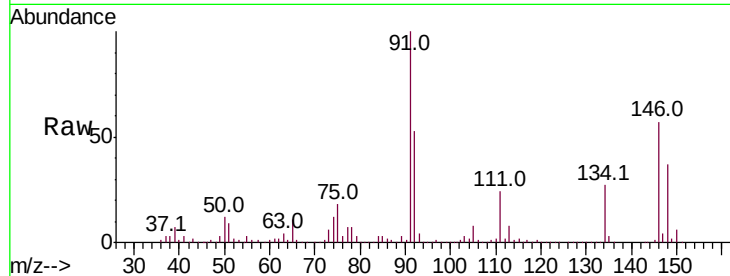
#91
 1,2-Dichlorobenzene
 Concen: 43.534 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183513		
111	41.9	20.8	62.4	
148	64.2	31.9	95.9	

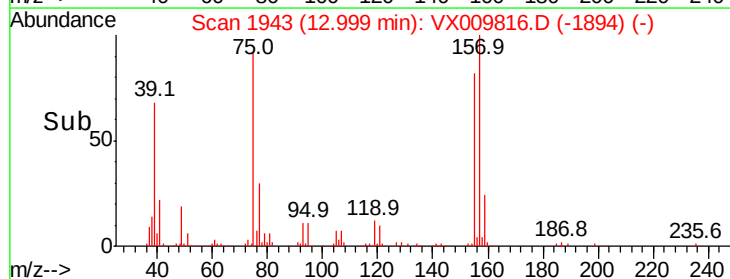
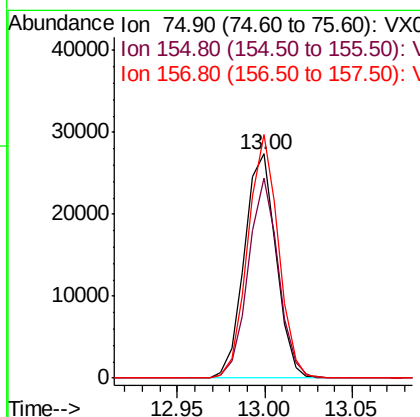
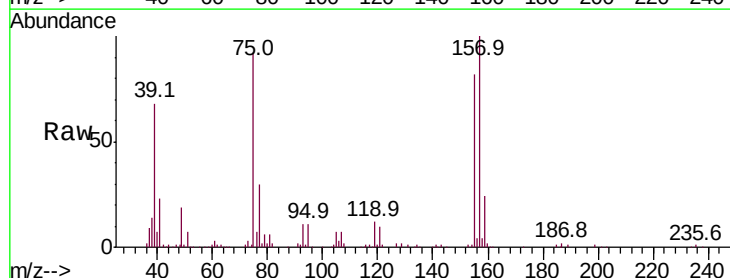
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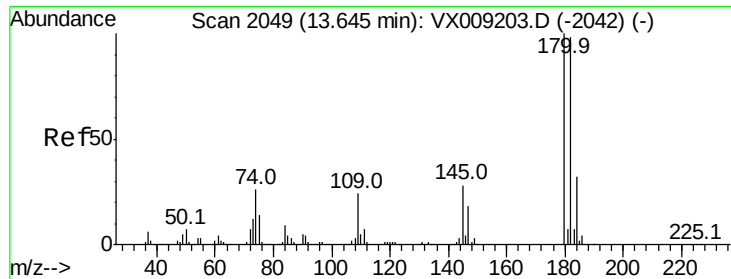
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.337 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009816.D
 Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34680		
155	84.2	42.0	126.0	
157	104.0	53.2	159.6	





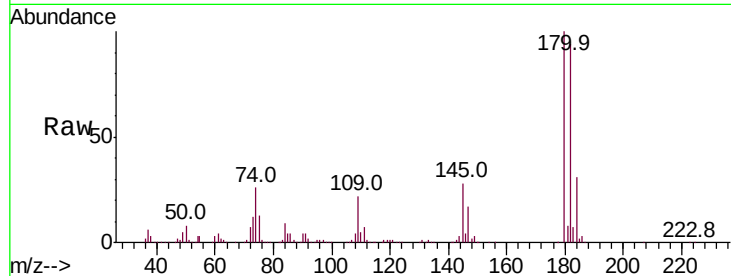
#93
1,2,4-Trichlorobenzene
Concen: 45.207 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.2	48.4	145.2
145	28.6	14.6	43.8

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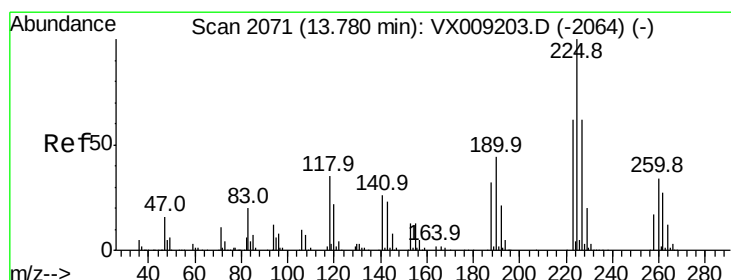
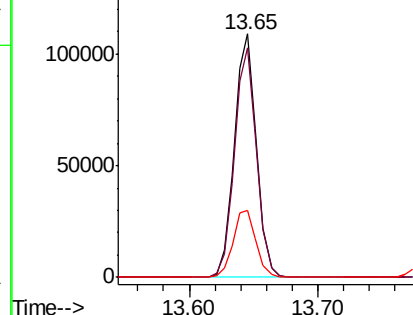
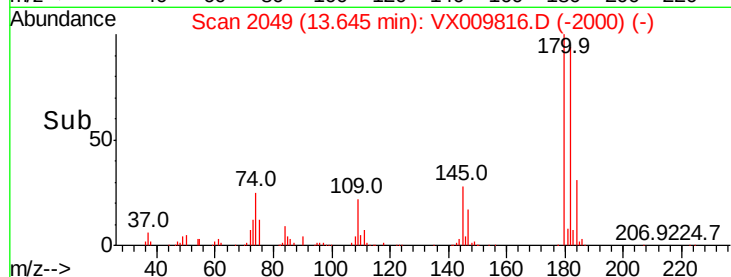


Abundance

Ion 179.80 (179.50 to 180.50): V

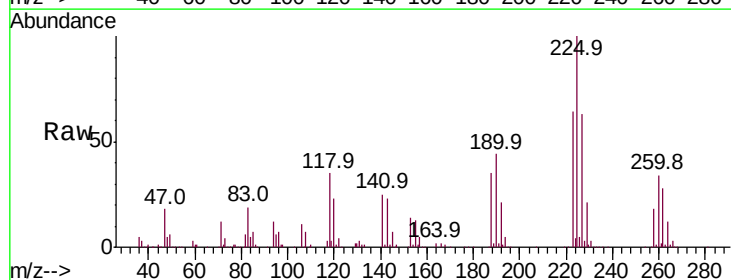
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 44.099 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.2	31.3	93.8
227	63.0	31.8	95.3

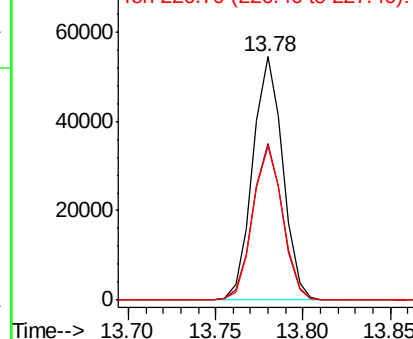
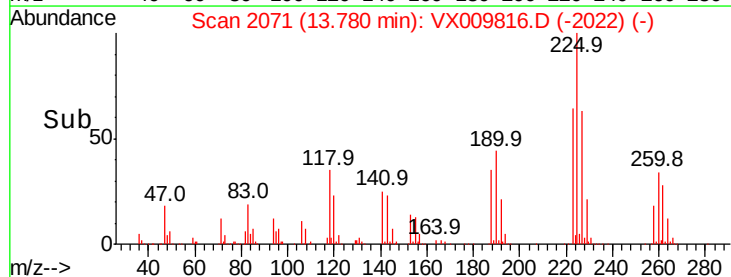


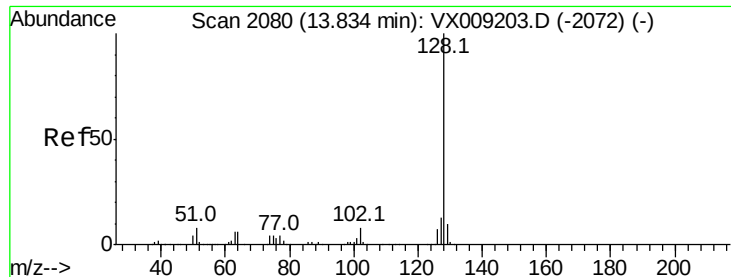
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





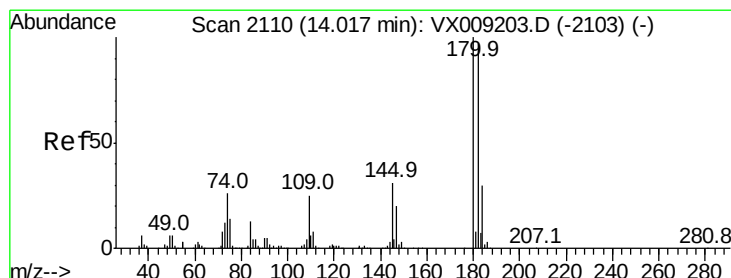
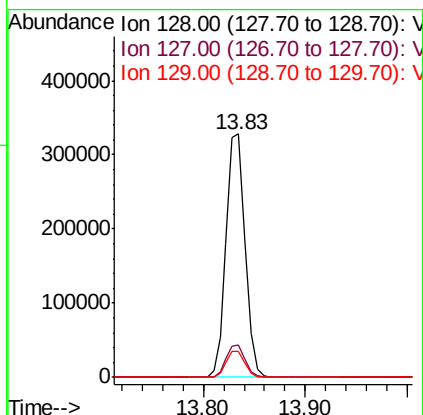
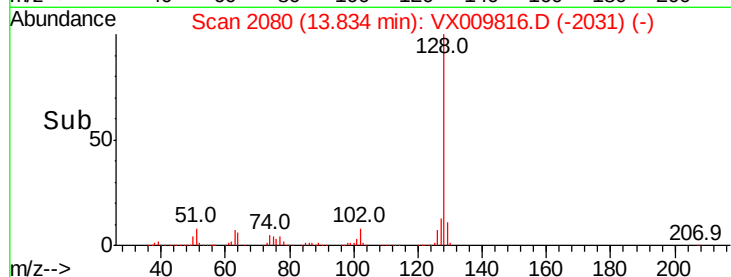
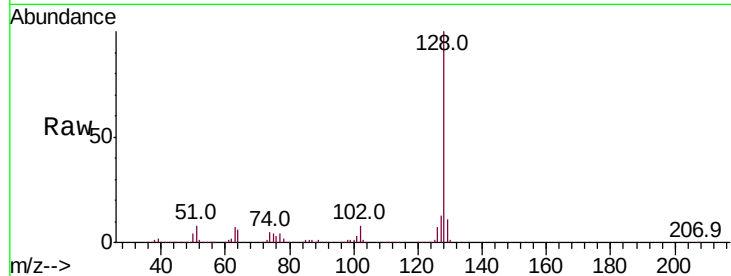
#95
Naphthalene
Concen: 45.109 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:45:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 44.600 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009816.D
Acq: 22 May 2019 19:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.8	143.4
145	31.7	15.4	46.4

