

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052219\
 Data File : VX009793.D
 Acq On : 22 May 2019 10:23
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:43:54 AM

Quant Time: May 23 07:23:18 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	185256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	290184	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	267616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136758	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	113673	44.95	ug/l	0.00
Spiked Amount			Recovery	=	89.90%	
35) Dibromofluoromethane	5.49	113	82522	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
50) Toluene-d8	8.71	98	337495	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	
62) 4-Bromofluorobenzene	11.13	95	125877	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	70782	41.462	ug/l	99
3) Chloromethane	1.32	50	101854	43.701	ug/l	100
4) Vinyl Chloride	1.41	62	99712	43.873	ug/l	97
5) Bromomethane	1.64	94	61147	44.825	ug/l	96
6) Chloroethane	1.71	64	62887	43.097	ug/l	100
7) Trichlorofluoromethane	1.92	101	123630	44.751	ug/l	99
8) Diethyl Ether	2.19	74	55485	42.400	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76330	43.998	ug/l	99
10) Methyl Iodide	2.51	142	82485	41.755	ug/l	99
11) Tert butyl alcohol	3.05	59	121303	207.216	ug/l	99
12) 1,1-Dichloroethene	2.37	96	75421	43.389	ug/l	98
13) Acrolein	2.29	56	104005	196.180	ug/l	98
14) Allyl chloride	2.73	41	185465	43.782	ug/l	98
15) Acrylonitrile	3.14	53	302192	211.127	ug/l	99
16) Acetone	2.44	43	345574	254.481	ug/l	96
17) Carbon Disulfide	2.57	76	225562	46.220	ug/l	98
18) Methyl Acetate	2.77	43	130072	40.276	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	288701	42.770	ug/l	100
20) Methylene Chloride	2.85	84	90442	41.134	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	82566	43.799	ug/l	98
22) Diisopropyl ether	3.85	45	358146	43.963	ug/l	97
23) Vinyl Acetate	3.81	43	1617490	231.867	ug/l	99
24) 1,1-Dichloroethane	3.70	63	172635	42.957	ug/l	99
25) 2-Butanone	4.67	43	484174	229.442	ug/l	99
26) 2,2-Dichloropropane	4.58	77	131836	44.073	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	96209	42.758	ug/l	98
28) Bromochloromethane	5.01	49	76372	47.047	ug/l	97
29) Tetrahydrofuran	5.12	42	298799	220.042	ug/l	97
30) Chloroform	5.21	83	156770	43.131	ug/l	98
31) Cyclohexane	5.58	56	172666	46.181	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	131116	43.334	ug/l	99
36) 1,1-Dichloropropene	5.79	75	123954	45.965	ug/l	99
37) Ethyl Acetate	4.83	43	170496	45.377	ug/l	99
38) Carbon Tetrachloride	5.78	117	110194	44.975	ug/l	99

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 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)
39) Methylcyclohexane	7.46	83	159148	48.055	ug/l	98
40) Benzene	6.14	78	373122	44.707	ug/l	99
41) Methacrylonitrile	5.04	41	97541	43.611	ug/l	98
42) 1,2-Dichloroethane	6.19	62	136512	45.598	ug/l	98
43) Isopropyl Acetate	6.44	43	273028	45.429	ug/l	99
44) Trichloroethene	7.21	130	89244	44.232	ug/l	100
45) 1,2-Dichloropropane	7.51	63	105773	44.758	ug/l	97
46) Dibromomethane	7.66	93	60620	44.173	ug/l	100
47) Bromodichloromethane	7.90	83	122378	44.705	ug/l	97
48) Methyl methacrylate	7.76	41	138705	46.518	ug/l	98
49) 1,4-Dioxane	7.74	88	51429	850.501	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	903814	230.078	ug/l	99
52) Toluene	8.78	92	227999	44.942	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	144064	46.613	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	159496	46.625	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	90717	43.830	ug/l	97
56) Ethyl methacrylate	9.18	69	167183	45.251	ug/l	97
57) 1,3-Dichloropropane	9.37	76	160945	44.189	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	431575	220.195	ug/l	99
59) 2-Hexanone	9.49	43	727440	235.781	ug/l	98
60) Dibromochloromethane	9.58	129	90912	44.973	ug/l	100
61) 1,2-Dibromoethane	9.67	107	93498	44.752	ug/l	99
64) Tetrachloroethene	9.34	164	80961	44.103	ug/l	97
65) Chlorobenzene	10.13	112	235542	43.998	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	84157	43.360	ug/l	100
67) Ethyl Benzene	10.25	91	445060	45.172	ug/l	100
68) m/p-Xylenes	10.36	106	329592	91.543	ug/l	98
69) o-Xylene	10.69	106	156785	44.136	ug/l	98
70) Styrene	10.71	104	279164	45.214	ug/l	98
71) Bromoform	10.85	173	70222	44.522	ug/l #	100
73) Isopropylbenzene	11.02	105	427804	43.018	ug/l	99
74) N-amyl acetate	10.90	43	255263	44.026	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	153502	41.405	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	134428m	42.376	ug/l	
77) Bromobenzene	11.26	156	104598	42.375	ug/l	99
78) n-propylbenzene	11.36	91	508664	44.786	ug/l	100
79) 2-Chlorotoluene	11.42	91	299633	42.762	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	370444	44.239	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53714	43.323	ug/l	97
82) 4-Chlorotoluene	11.51	91	349665	44.172	ug/l	99
83) tert-Butylbenzene	11.77	119	349293	42.880	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	372861	44.362	ug/l	99
85) sec-Butylbenzene	11.94	105	425287	44.037	ug/l	100
86) p-Isopropyltoluene	12.06	119	392699	45.231	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	190873	43.377	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	193236	43.558	ug/l	100
89) n-Butylbenzene	12.38	91	369378	47.072	ug/l	100
90) Hexachloroethane	12.59	117	65303	44.150	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	190540	42.513	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34583	41.583	ug/l	96

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ClientSampleId :
VSTDCCC050

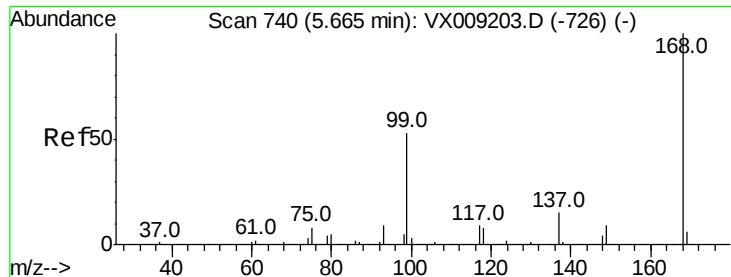
Manual Integrations
APPROVED

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5/23/2019 10:43:54 AM

Quant Time: May 23 07:23:18 2019
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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)
93) 1,2,4-Trichlorobenzene	13.65	180	138683	45.249	ug/l	98
94) Hexachlorobutadiene	13.78	225	72945	46.607	ug/l	100
95) Naphthalene	13.83	128	422656	42.387	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	136653	43.986	ug/l	100

(#) = 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: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 185256

Ion Ratio Lower Upper

168 100

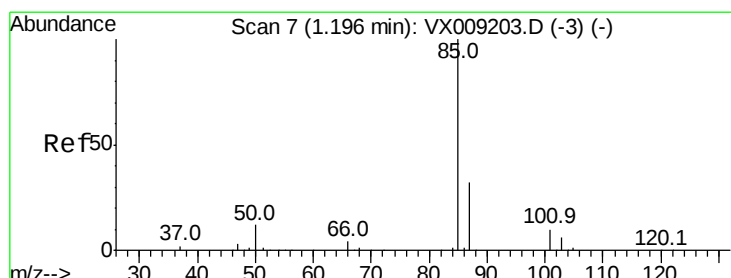
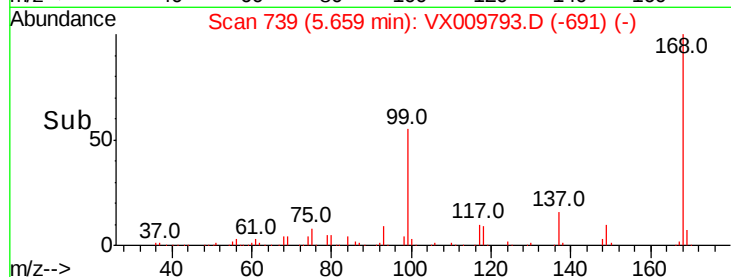
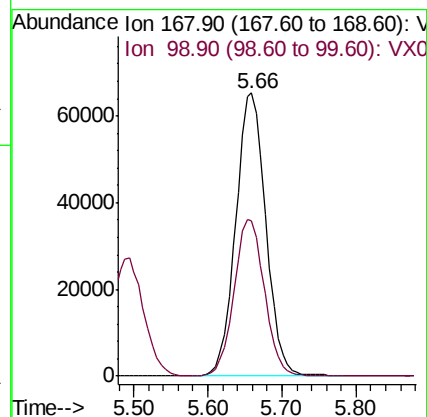
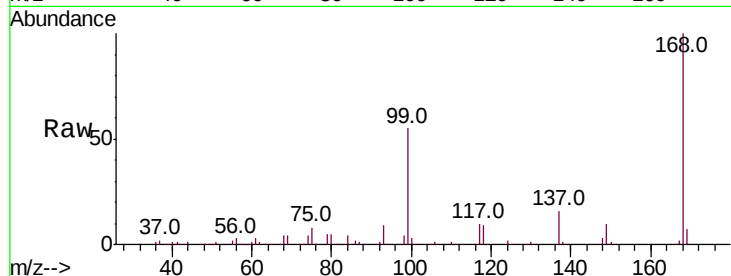
99 54.8 42.3 63.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 41.462 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009793.D

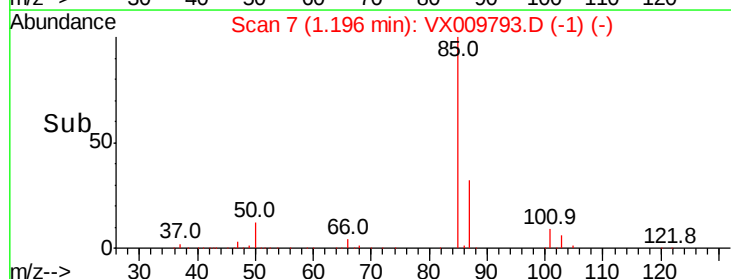
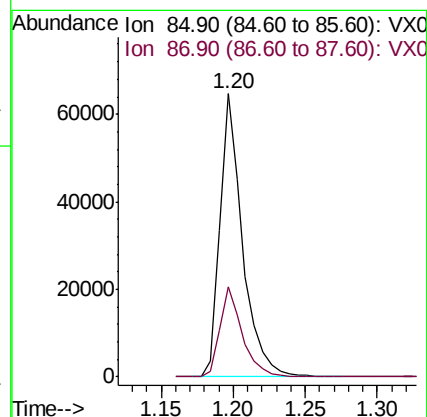
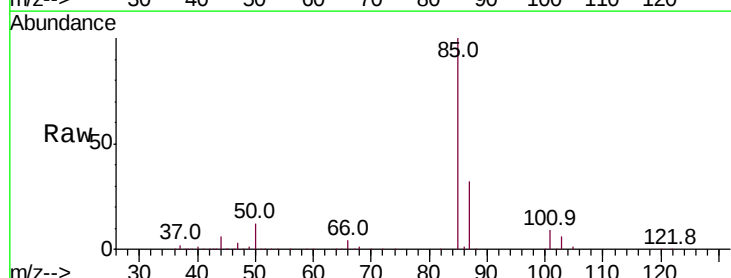
Acq: 22 May 2019 10:23

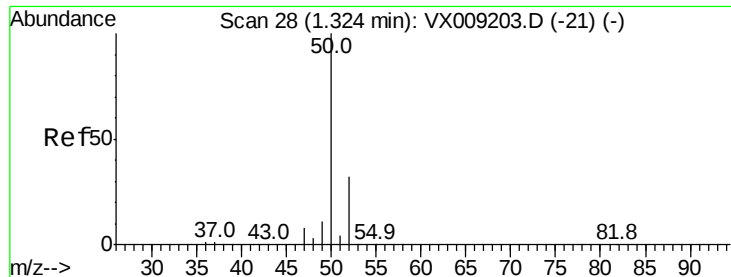
Tgt Ion: 85 Resp: 70782

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.3





#3

Chloromethane

Concen: 43.701 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 101854

Ion Ratio Lower Upper

50 100

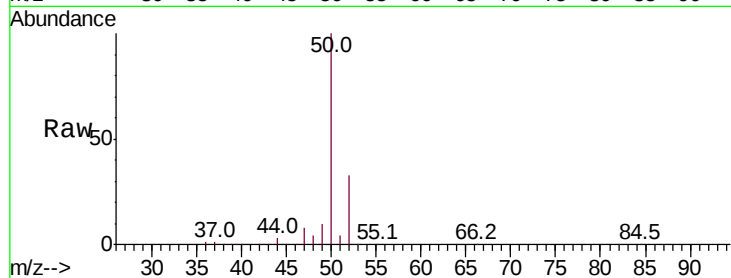
52 32.6 25.9 38.9

Manual Integrations

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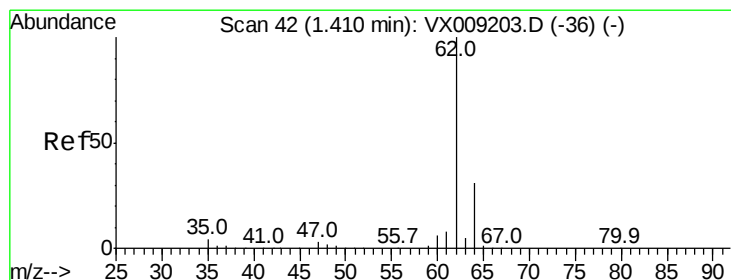
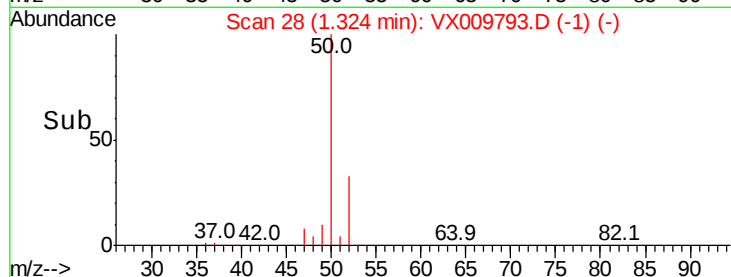
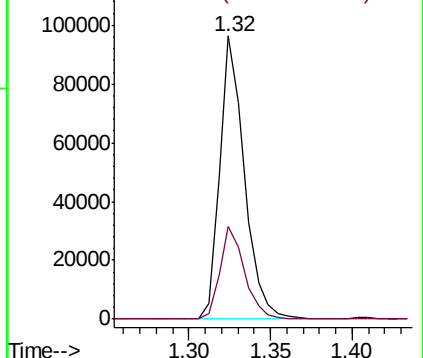
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 43.873 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009793.D

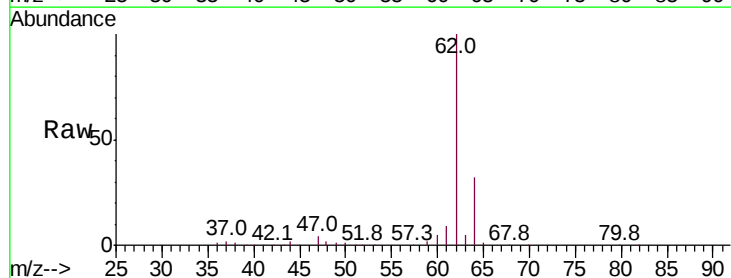
Acq: 22 May 2019 10:23

Tgt Ion: 62 Resp: 99712

Ion Ratio Lower Upper

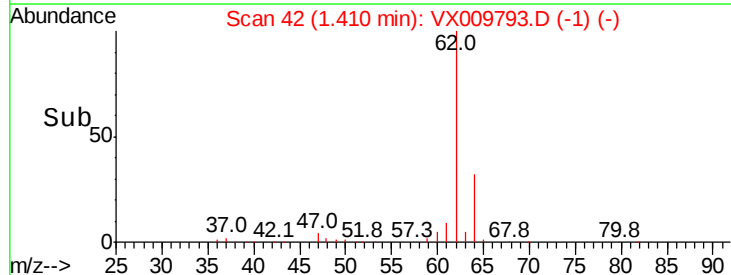
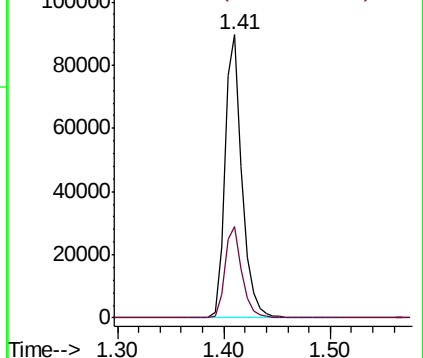
62 100

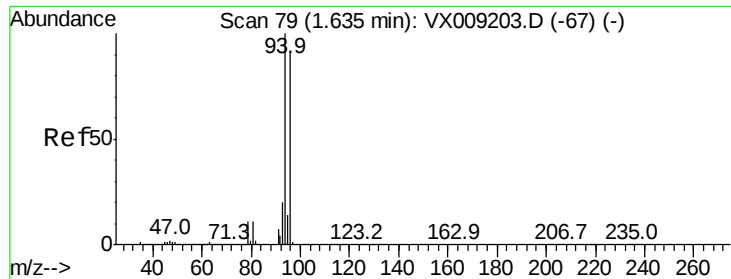
64 32.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.825 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 61147

Ion Ratio Lower Upper

94 100

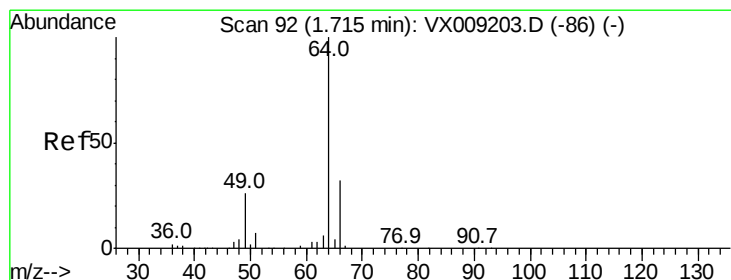
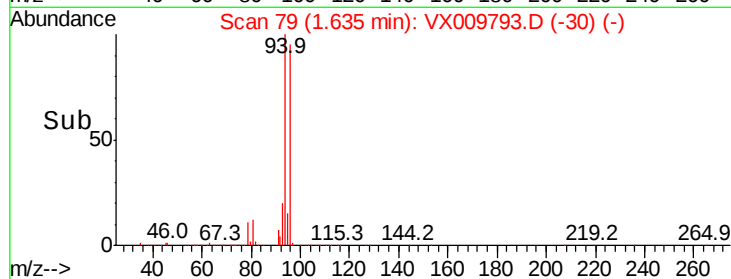
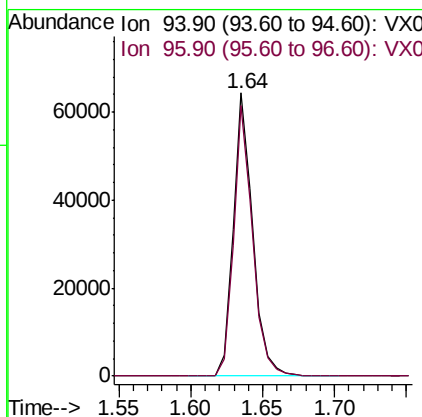
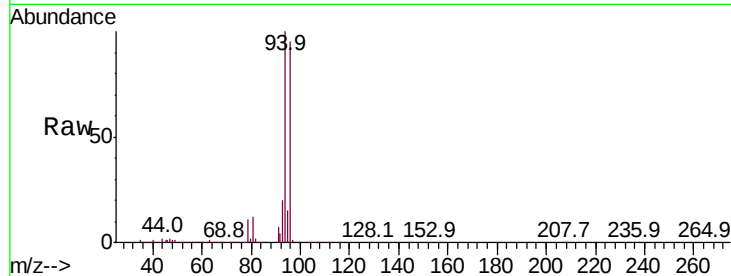
96 95.5 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 43.097 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009793.D

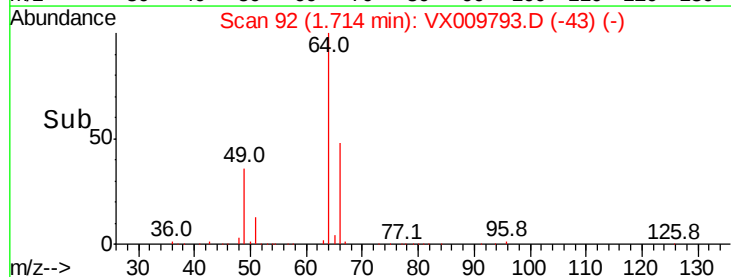
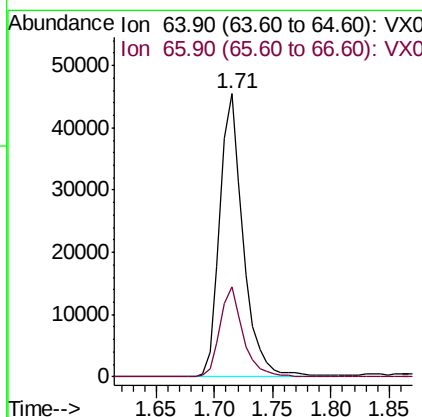
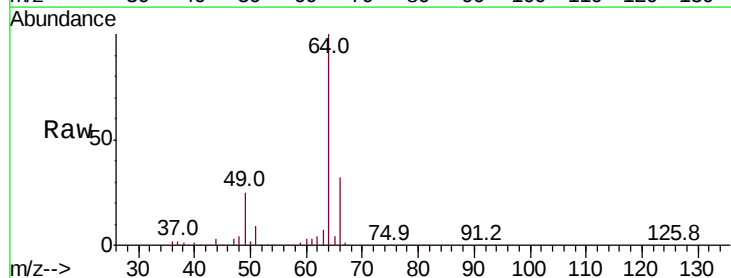
Acq: 22 May 2019 10:23

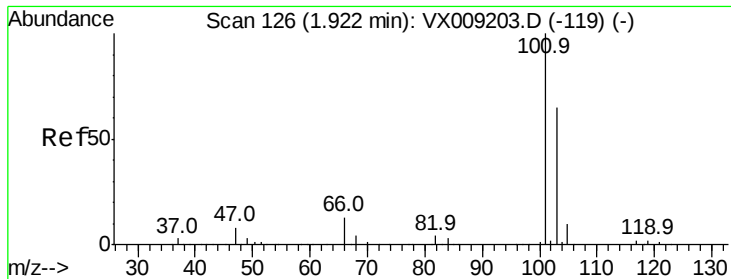
Tgt Ion: 64 Resp: 62887

Ion Ratio Lower Upper

64 100

66 31.8 25.3 37.9





#7

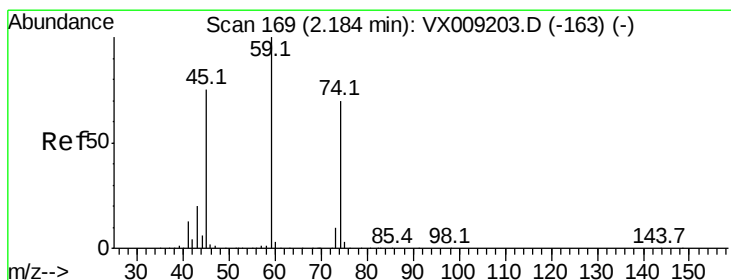
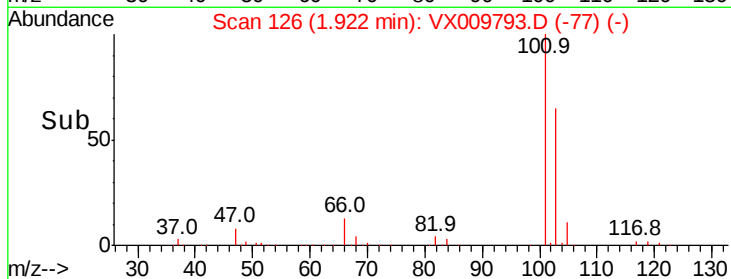
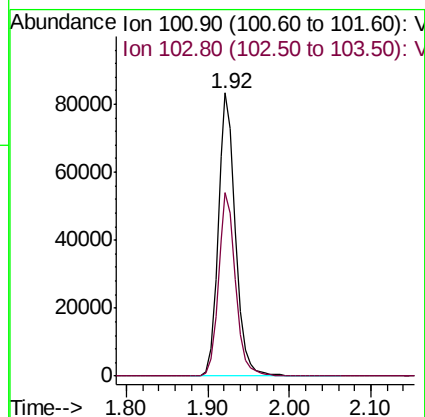
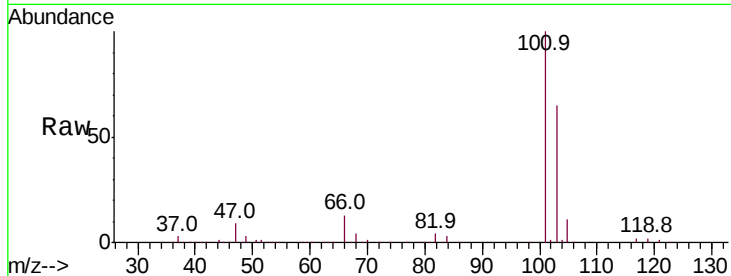
Trichlorofluoromethane
Concen: 44.751 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	123630		
103	64.8	52.4	78.6	

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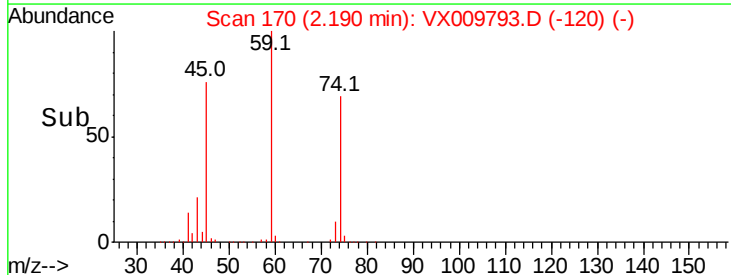
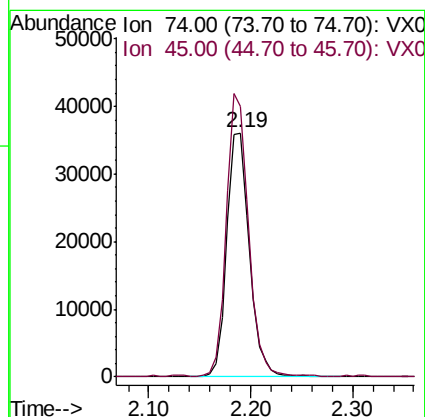
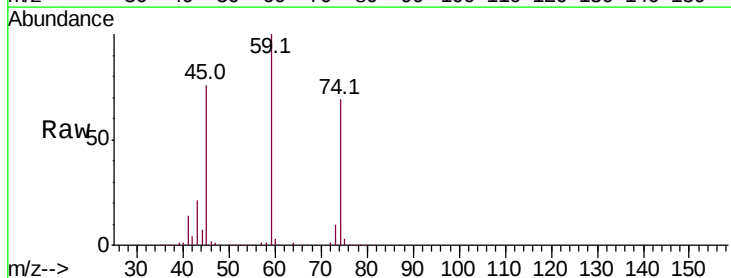
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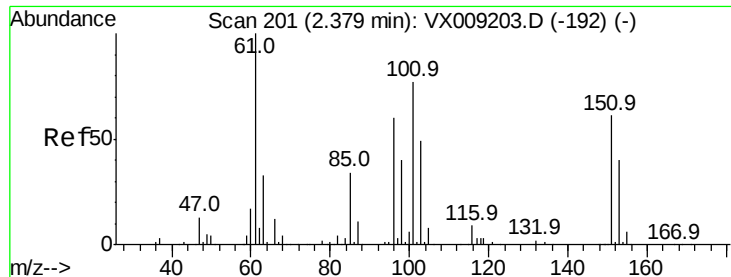


#8

Diethyl Ether
Concen: 42.400 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	55485		
45	112.2	53.3	159.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.998 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

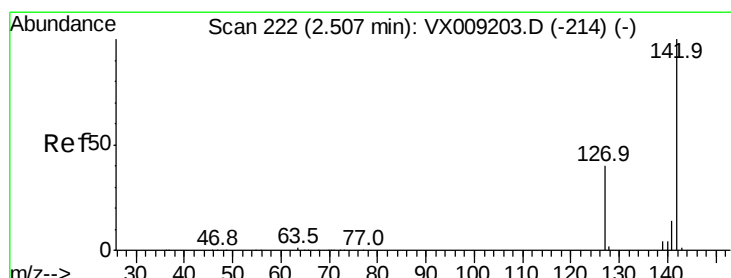
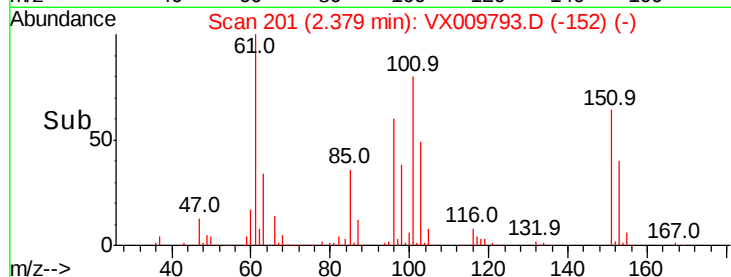
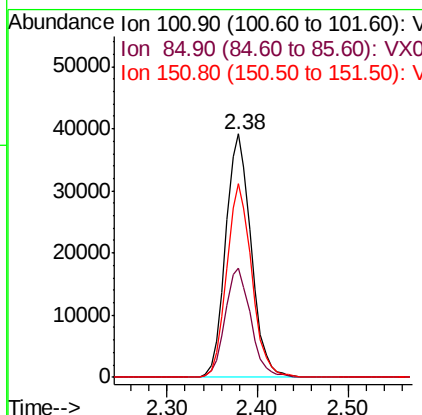
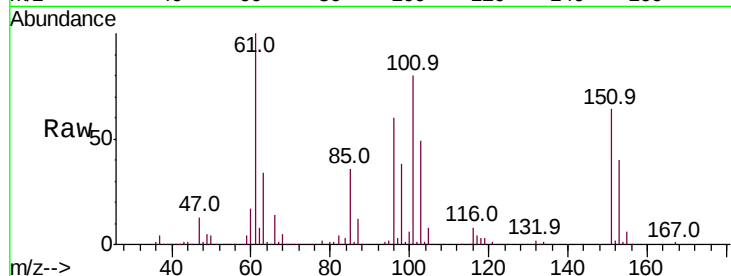
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	76330
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.7	53.5
151	78.3	62.2	93.2

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#10

Methyl Iodide

Concen: 41.755 ug/l

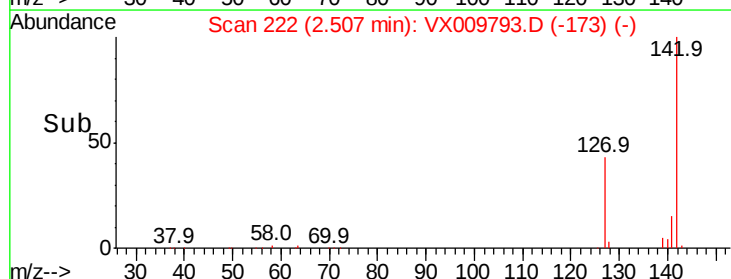
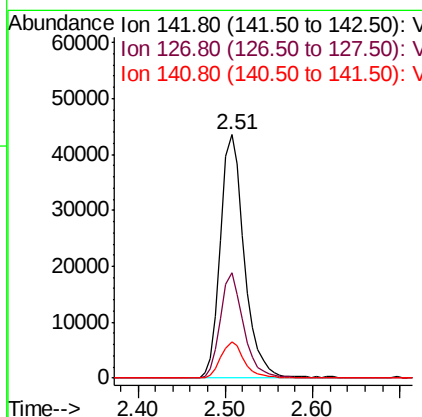
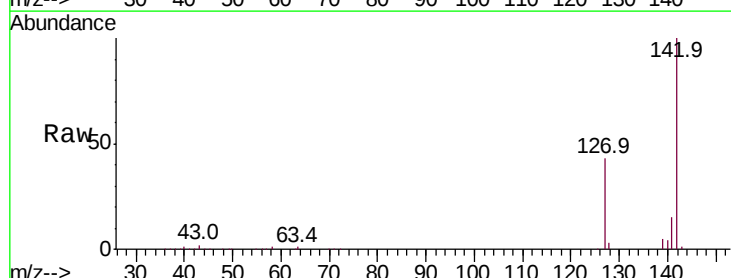
RT: 2.51 min Scan# 222

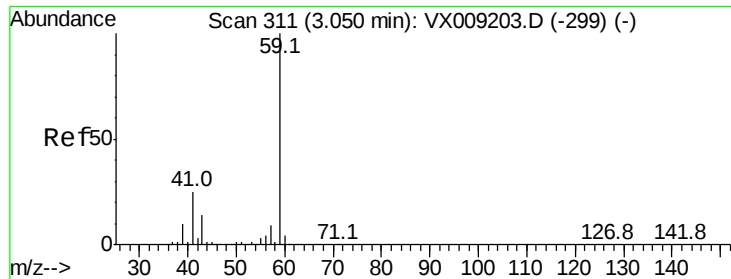
Delta R.T. 0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Tgt Ion:	142	Resp:	82485
Ion Ratio	Lower	Upper	
142	100		
127	42.0	32.7	49.1
141	14.6	11.5	17.3





#11

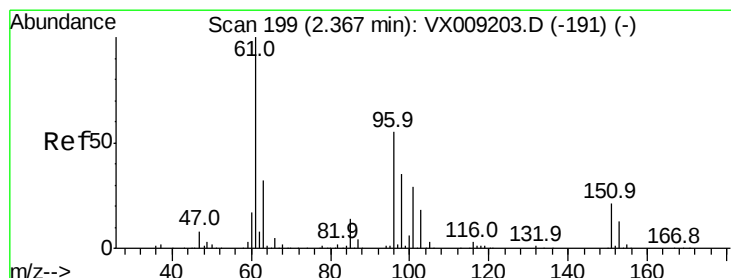
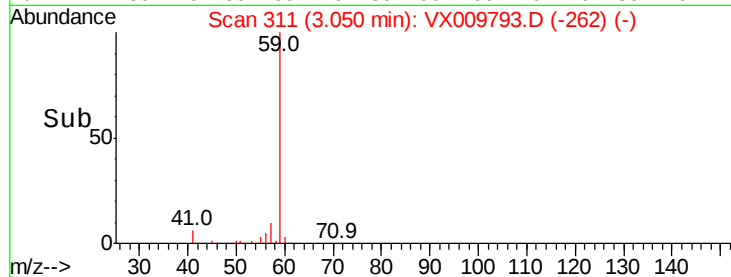
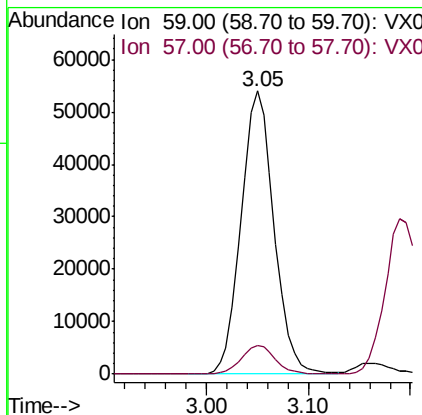
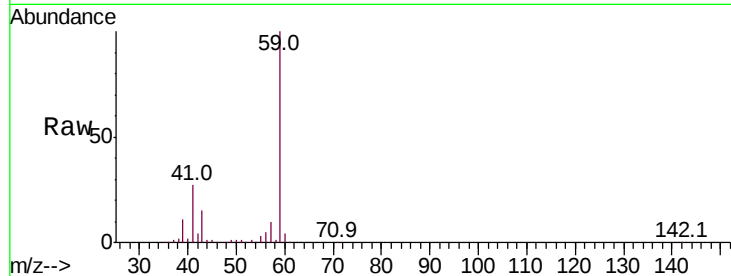
Tert butyl alcohol
Concen: 207.216 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

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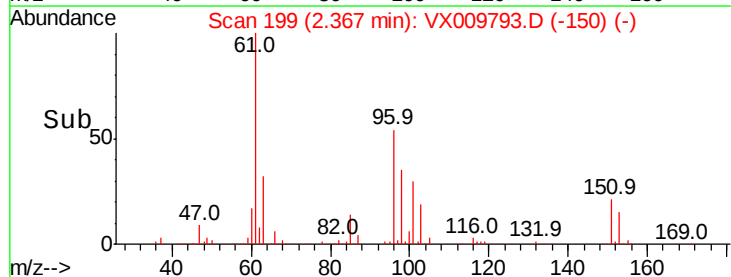
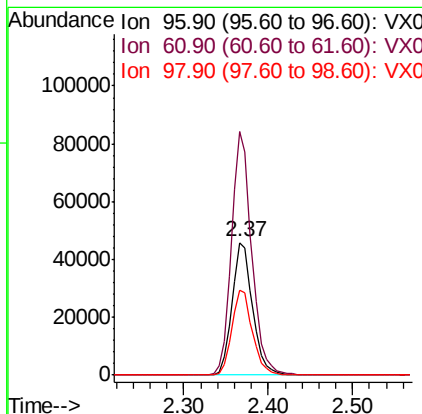
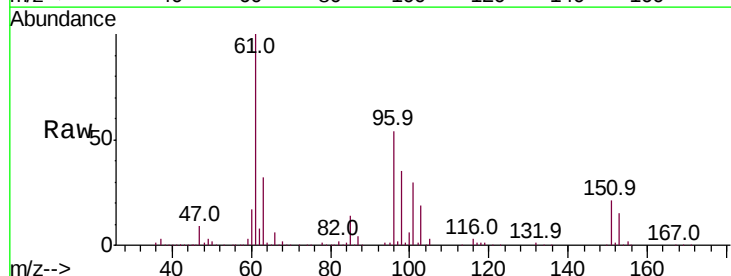
MMDadoda
5/23/2019 10:43:54 AM

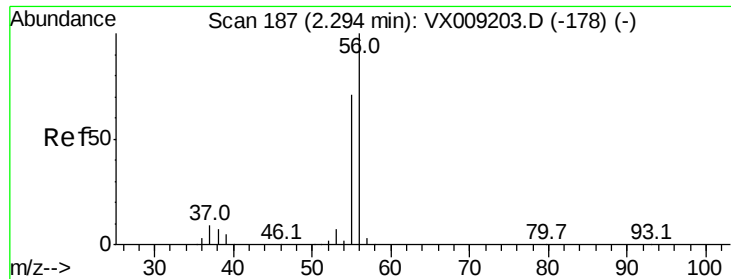


#12

1,1-Dichloroethene
Concen: 43.389 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.9	144.3	216.5
98	64.6	50.3	75.5





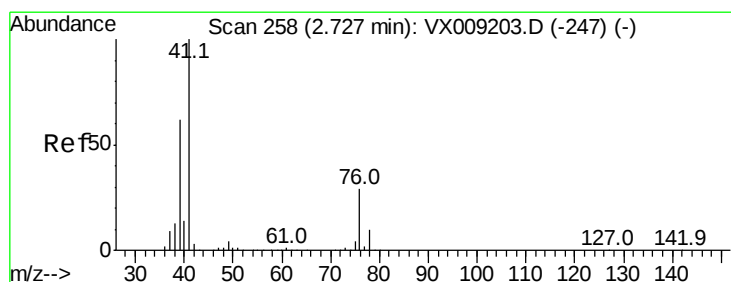
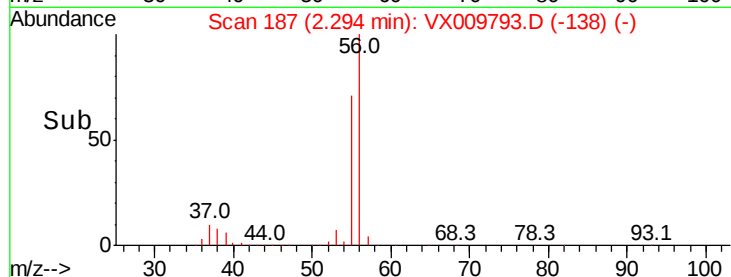
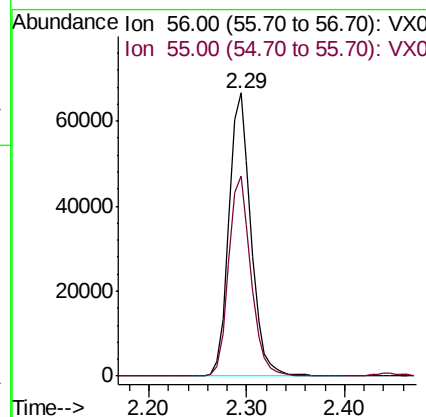
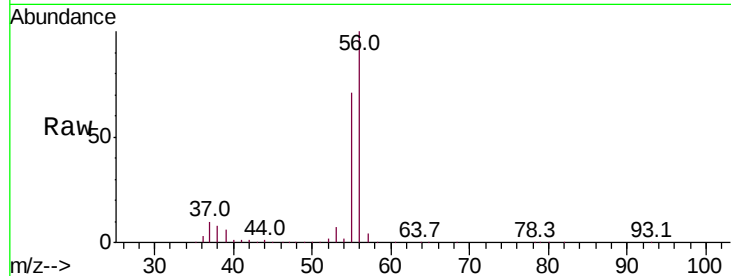
#13
Acrolein
Concen: 196.180 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.6	85.0

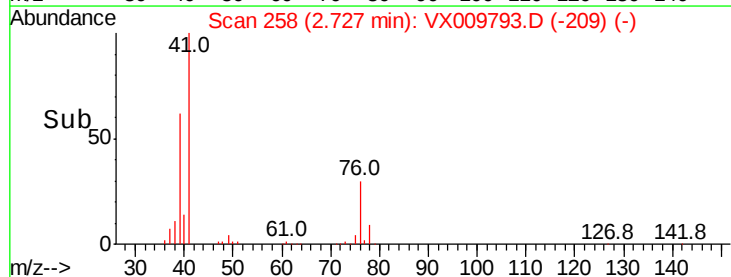
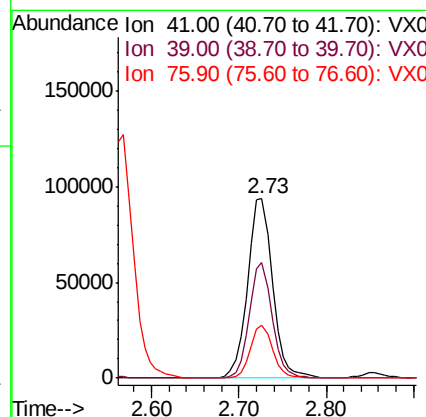
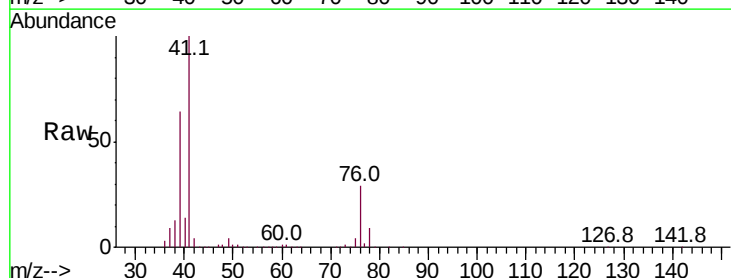
Manual Integrations
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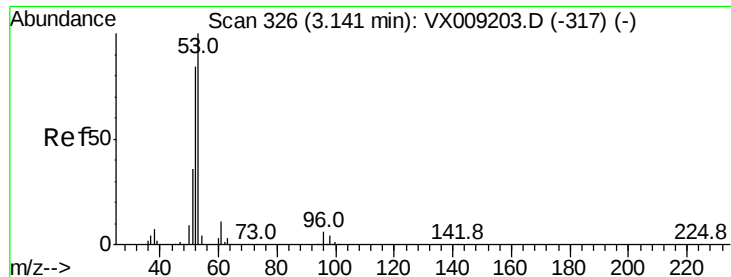
MMDadoda
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#14
Allyl chloride
Concen: 43.782 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.5	46.7	70.1
76	26.4	21.8	32.8





#15

Acrylonitrile

Concen: 211.127 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

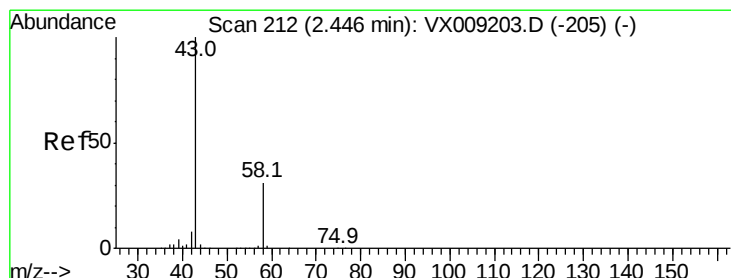
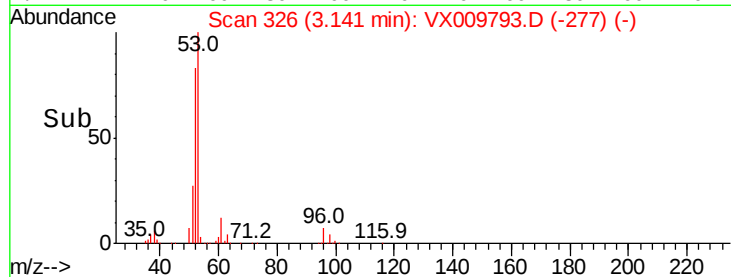
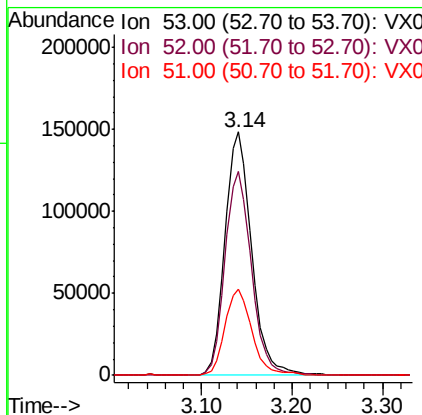
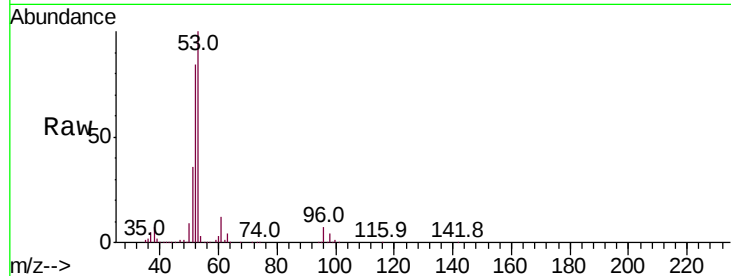
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	302192
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.9	100.3
51	36.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 254.481 ug/l

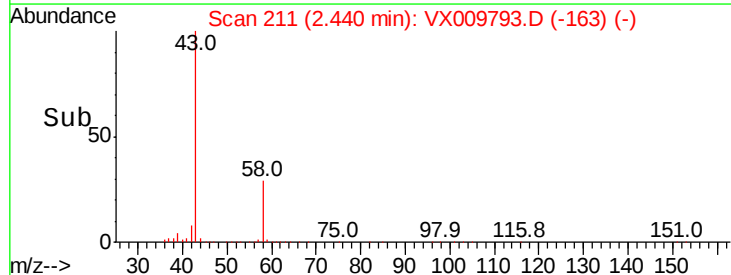
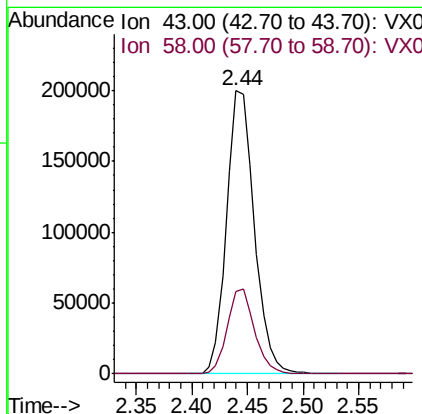
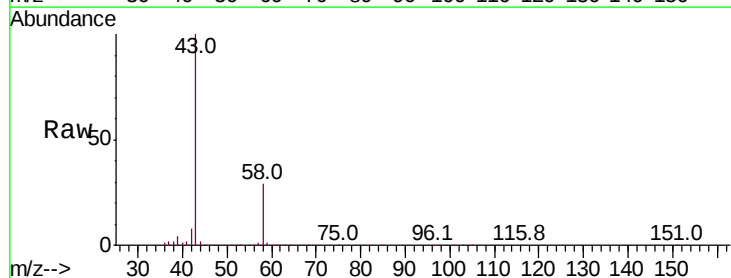
RT: 2.44 min Scan# 211

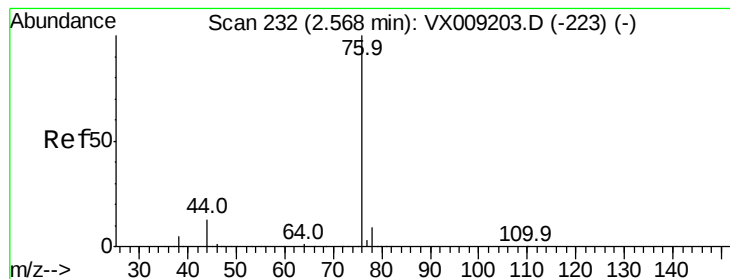
Delta R.T. -0.01 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Tgt Ion:	43	Resp:	345574
Ion Ratio	Lower	Upper	
43	100		
58	29.0	24.9	37.3





#17

Carbon Disulfide

Concen: 46.220 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 225562

Ion Ratio Lower Upper

76 100

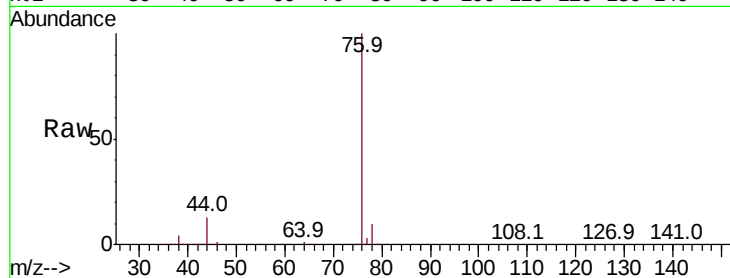
78 9.8 7.4 11.0

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

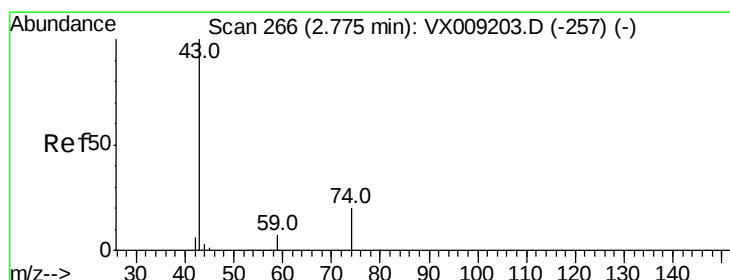
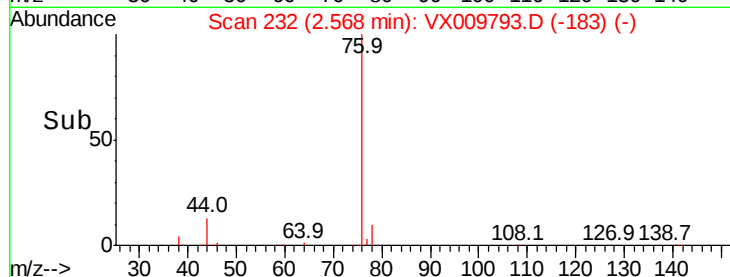
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 40.276 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009793.D

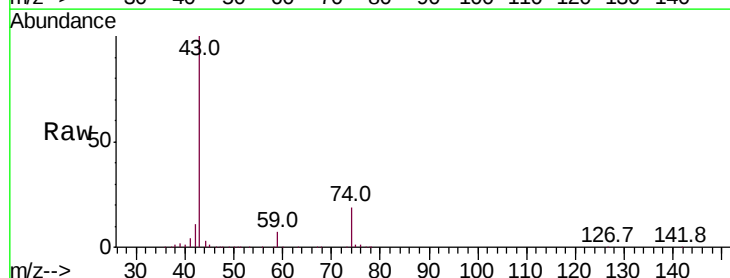
Acq: 22 May 2019 10:23

Tgt Ion: 43 Resp: 130072

Ion Ratio Lower Upper

43 100

74 19.9 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.77

80000

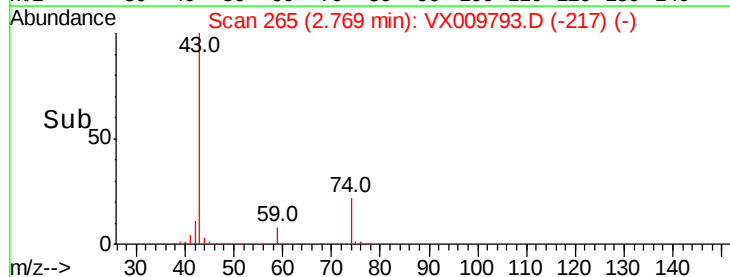
60000

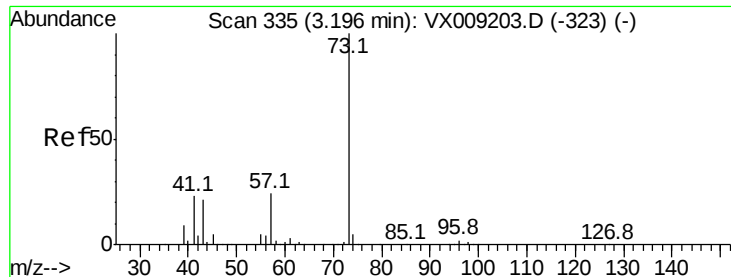
40000

20000

0

Time-->





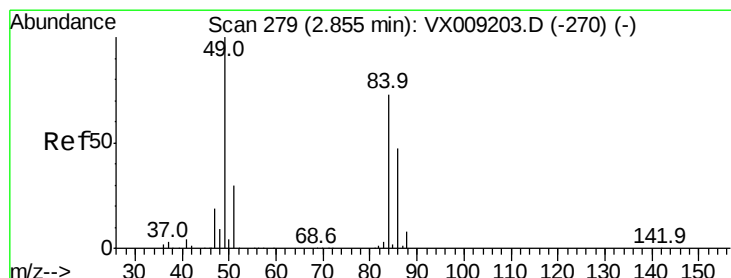
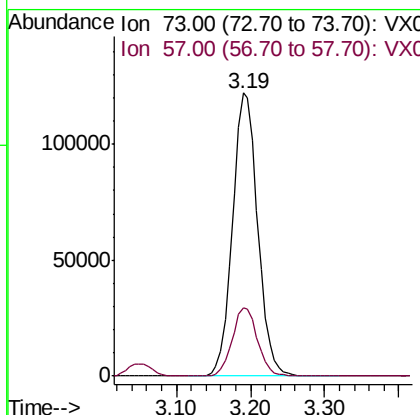
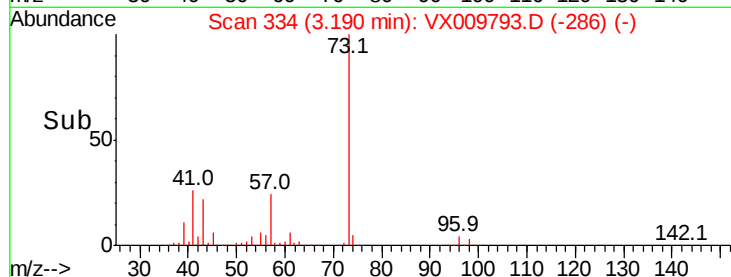
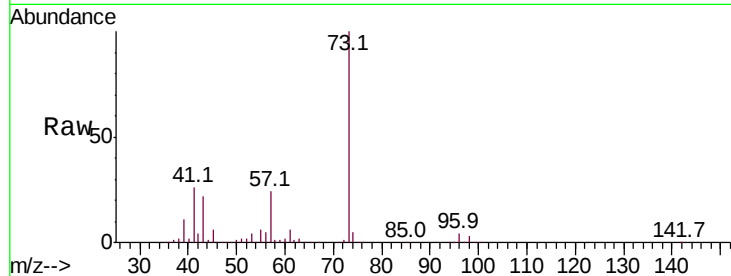
#19
Methyl tert-butyl Ether
Concen: 42.770 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.3	28.9

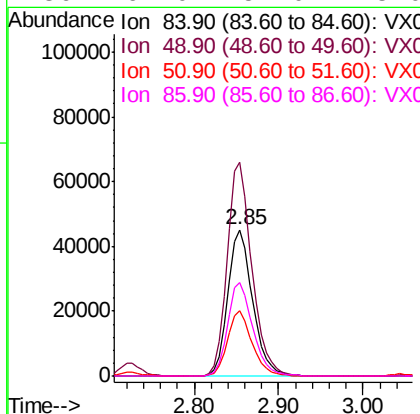
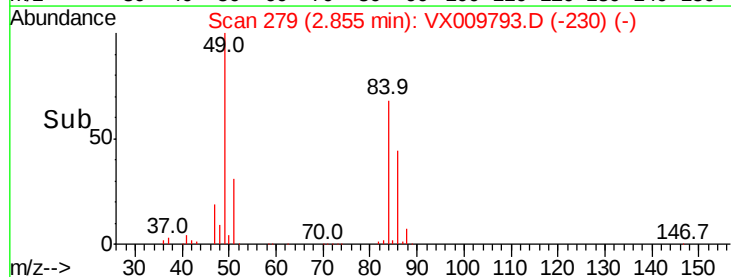
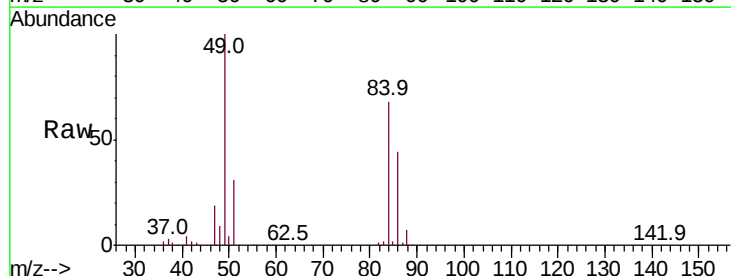
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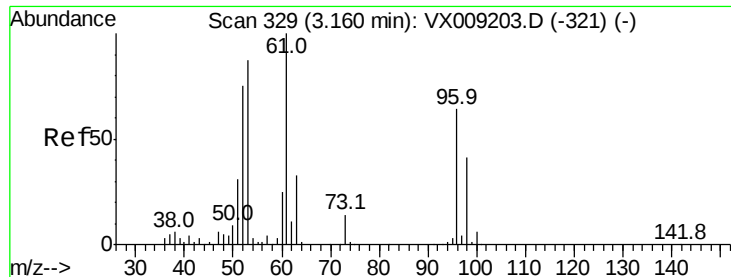
MMDadoda
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#20
Methylene Chloride
Concen: 41.134 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.9	109.9	164.9
51	44.6	32.7	49.1
86	64.0	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 43.799 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 82566

Ion Ratio Lower Upper

96 100

61 158.8 124.5 186.7

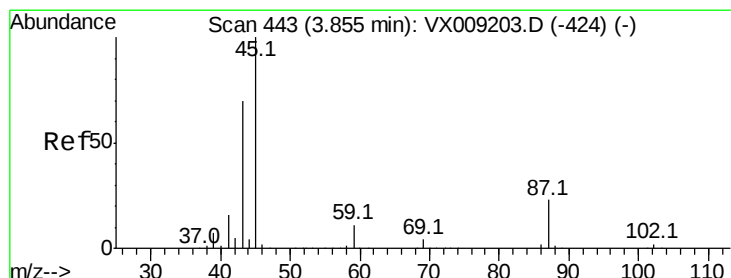
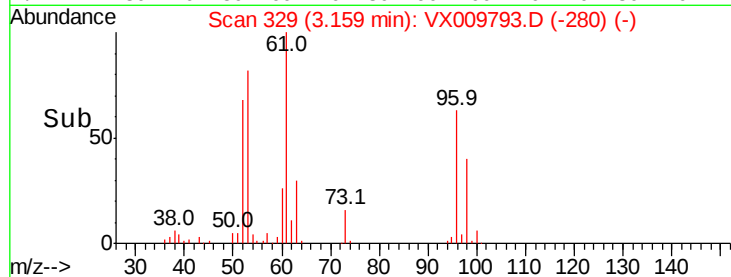
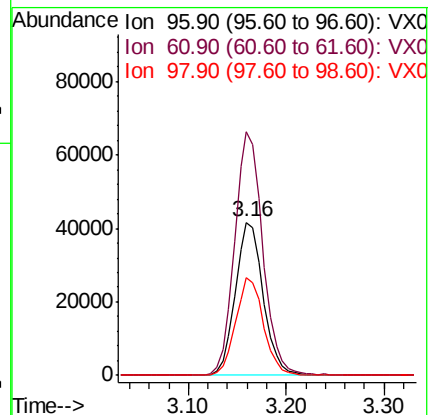
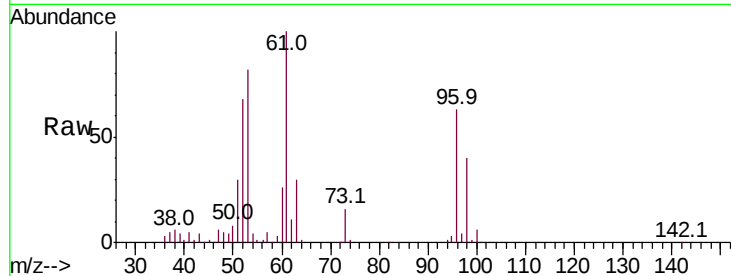
98 64.0 50.4 75.6

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#22

Diisopropyl ether

Concen: 43.963 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Tgt Ion: 45 Resp: 358146

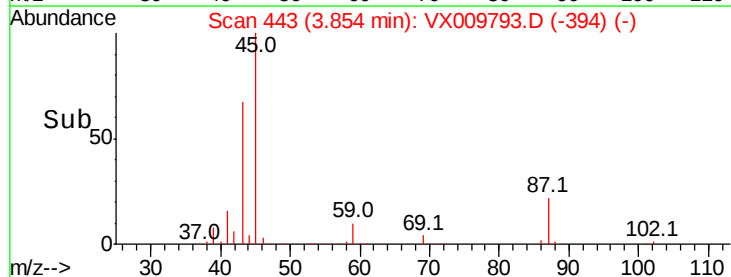
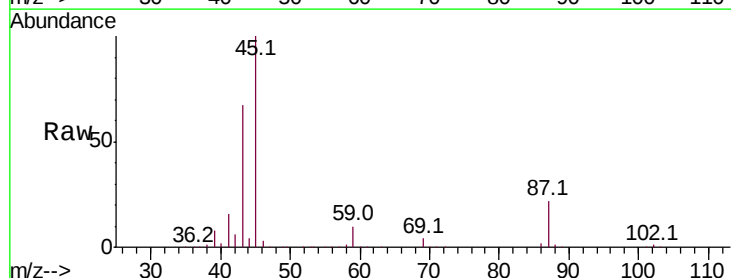
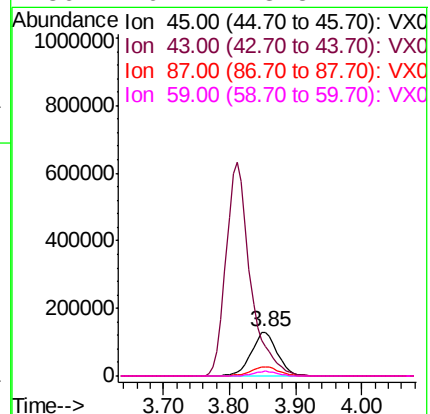
Ion Ratio Lower Upper

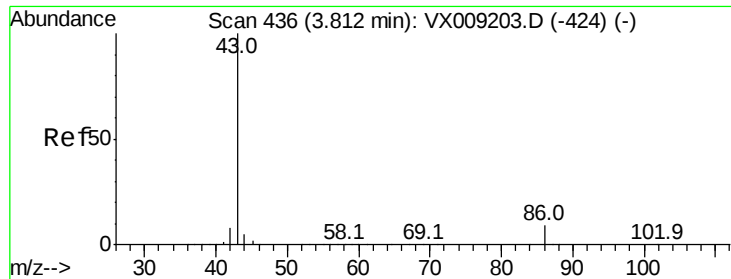
45 100

43 67.1 56.1 84.1

87 21.9 18.1 27.1

59 10.4 8.5 12.7





#23

Vinyl Acetate

Concen: 231.867 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1617490

Ion Ratio Lower Upper

43 100

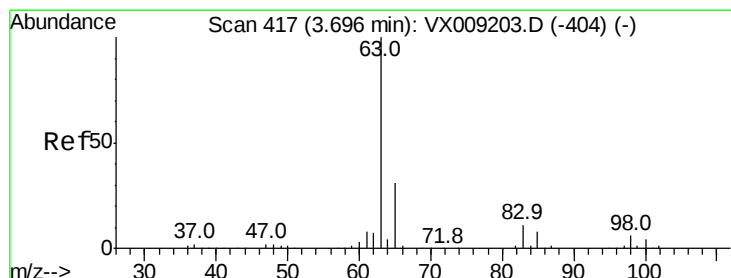
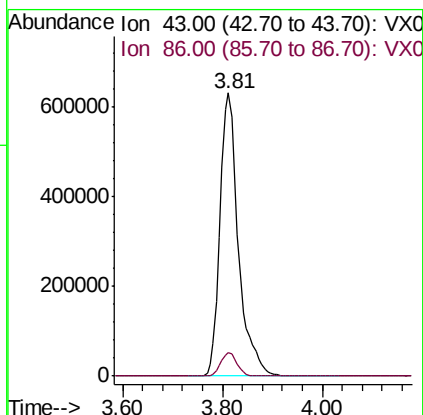
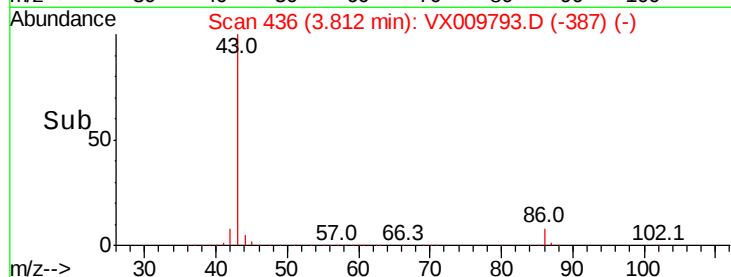
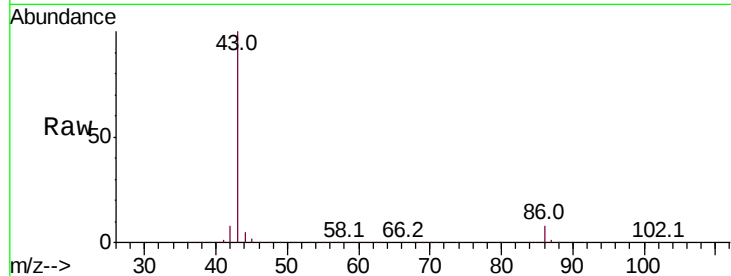
86 8.1 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 42.957 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

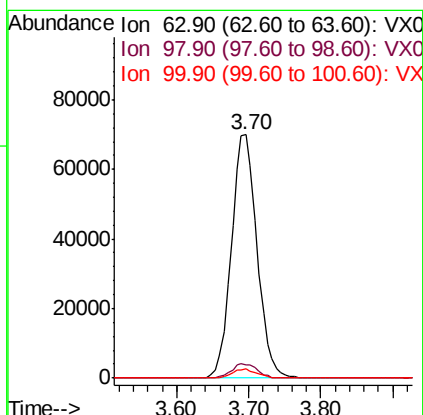
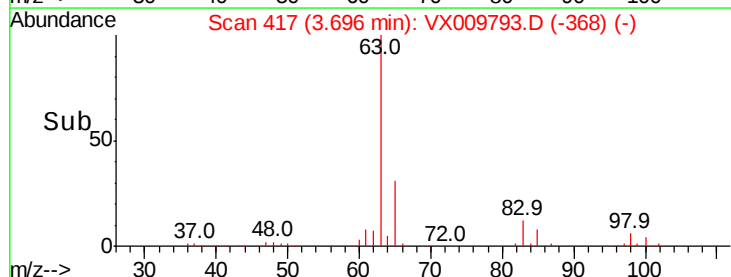
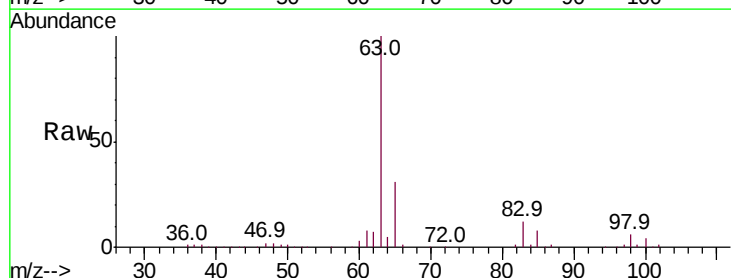
Tgt Ion: 63 Resp: 172635

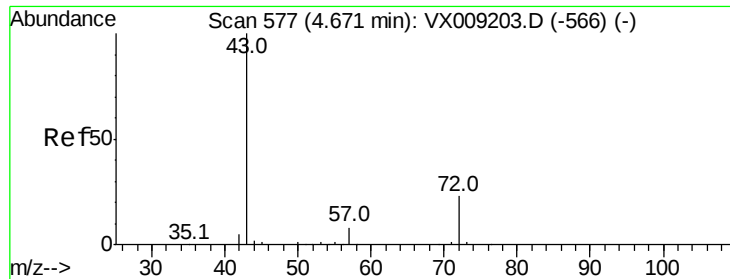
Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 229.442 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 484174

Ion Ratio Lower Upper

43 100

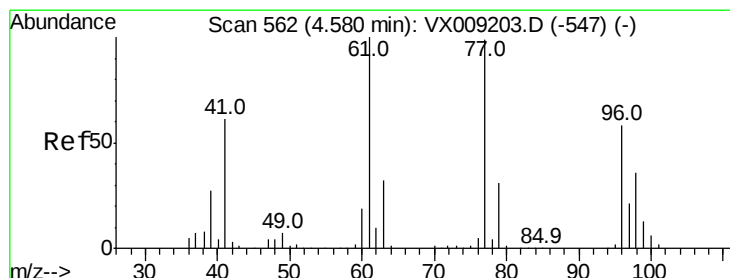
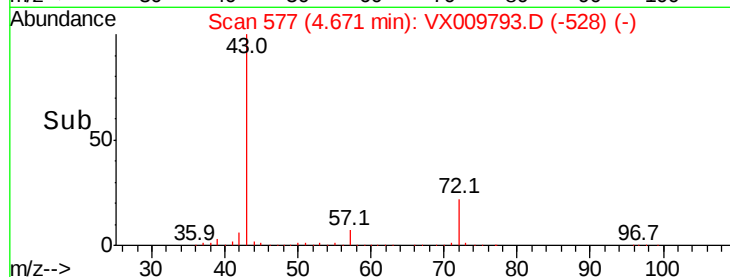
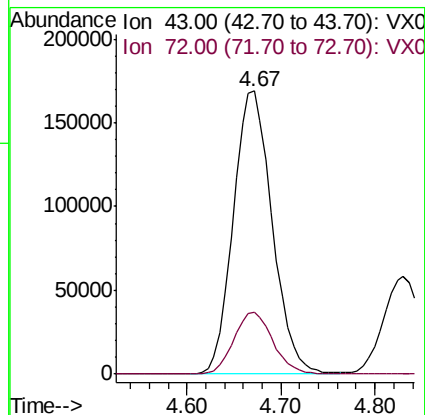
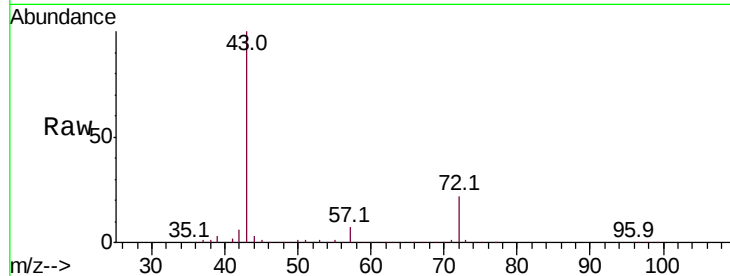
72 22.0 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.073 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009793.D

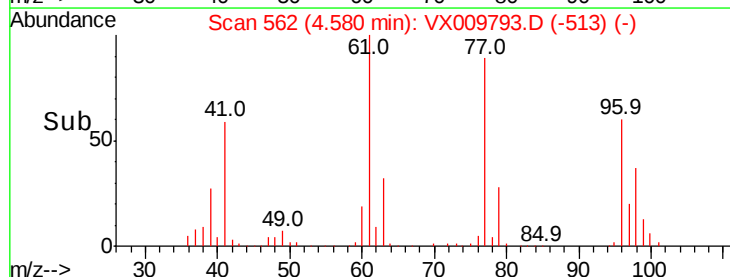
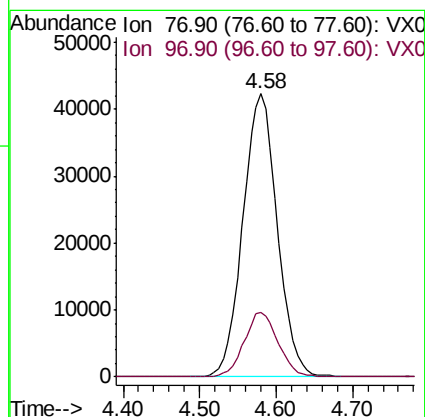
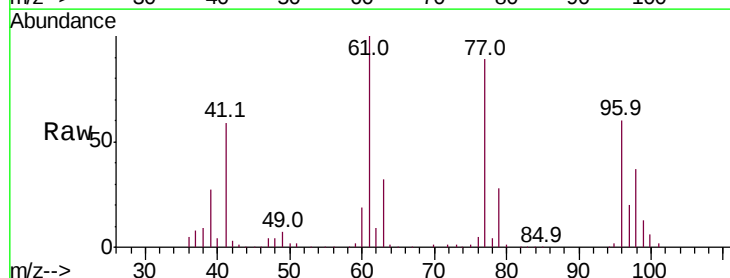
Acq: 22 May 2019 10:23

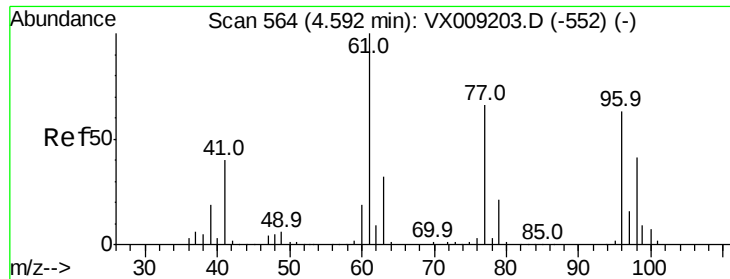
Tgt Ion: 77 Resp: 131836

Ion Ratio Lower Upper

77 100

97 22.7 11.5 34.4





#27

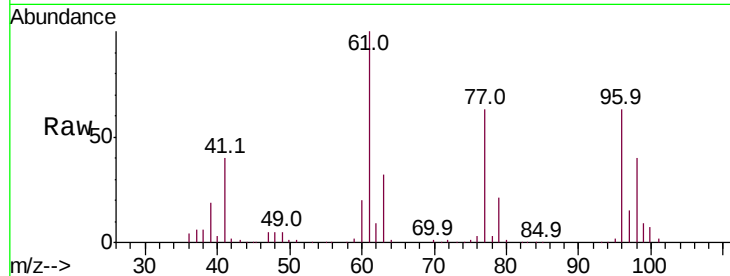
cis-1,2-Dichloroethene
Concen: 42.758 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

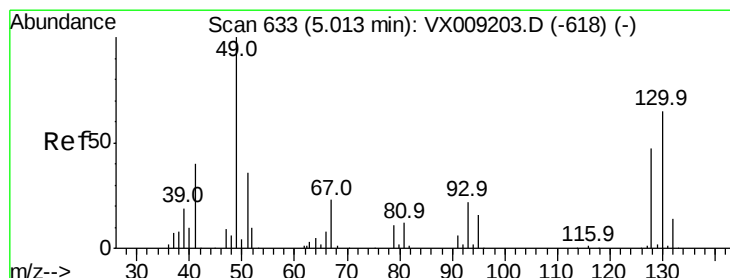
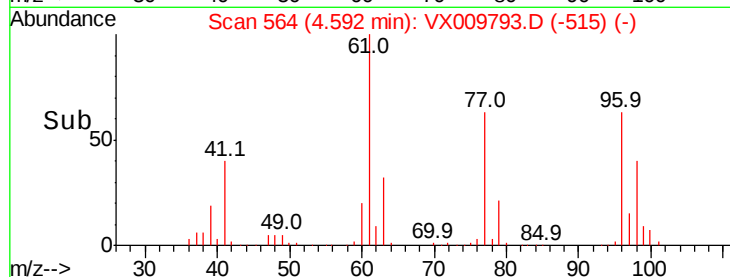
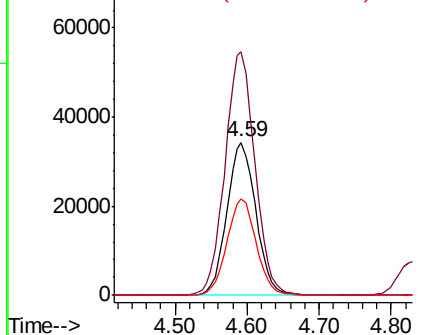
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	164.1	0.0	324.0	
98	63.8	0.0	130.4	

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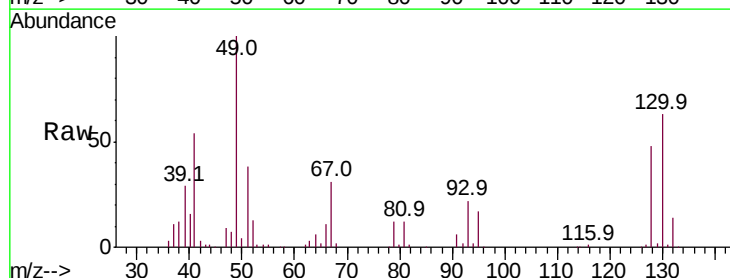
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



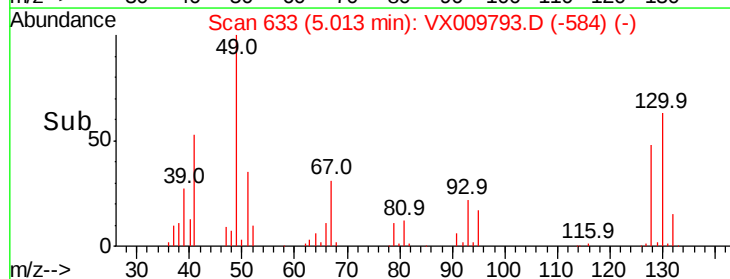
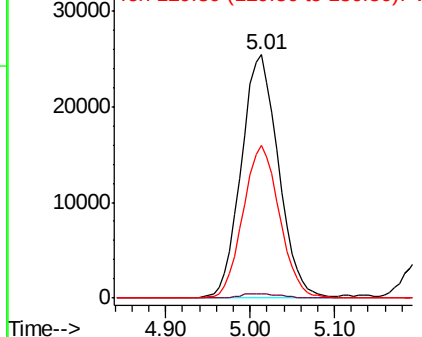
#28

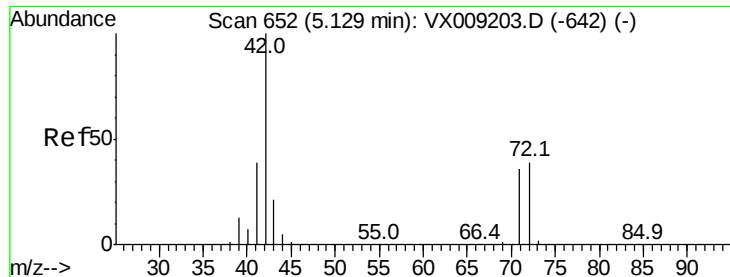
Bromochloromethane
Concen: 47.047 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.8	
130	61.5	51.2	76.8	



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





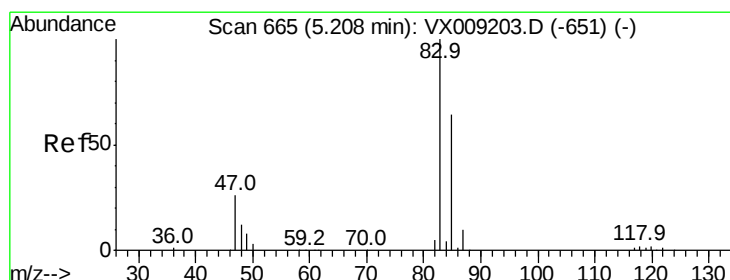
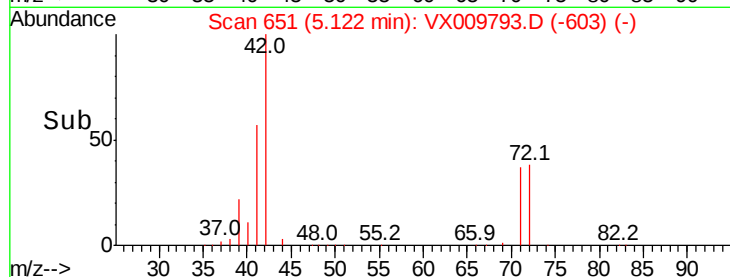
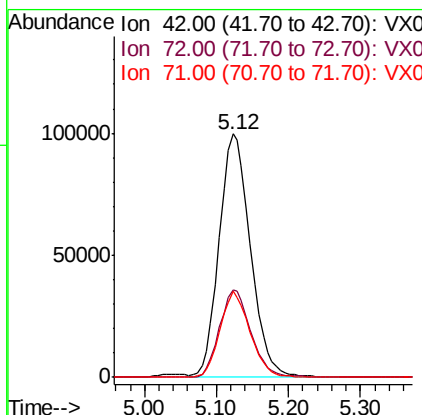
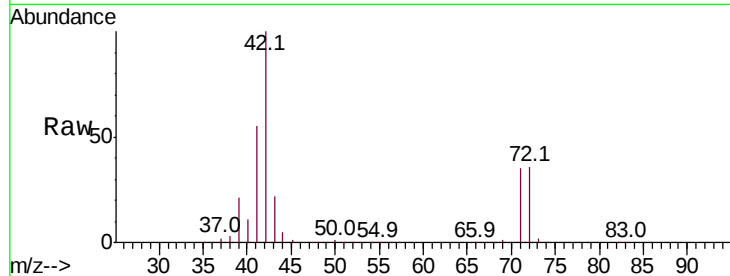
#29
Tetrahydrofuran
Concen: 220.042 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	30.4	45.6
71	34.1	28.6	43.0

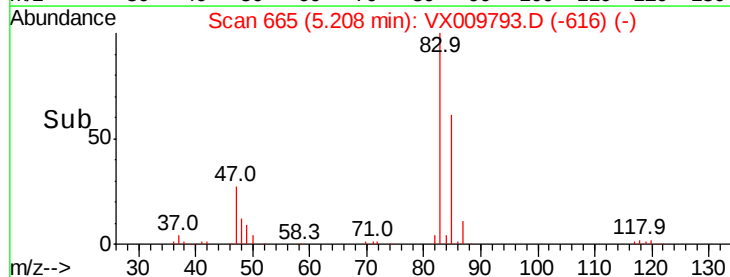
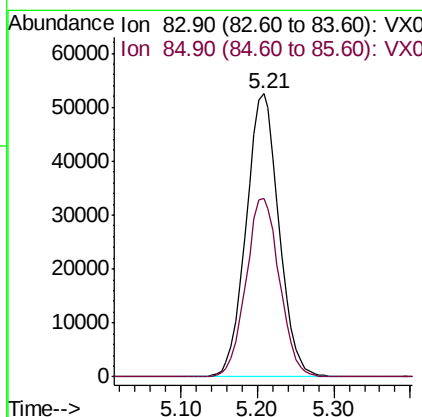
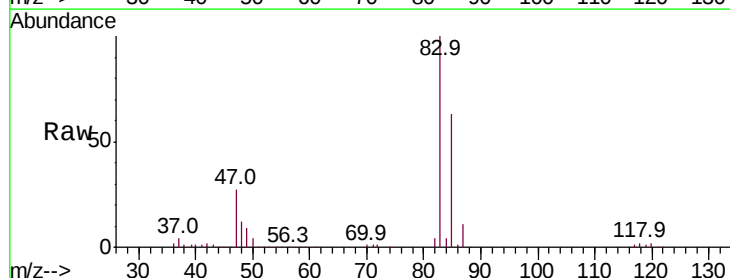
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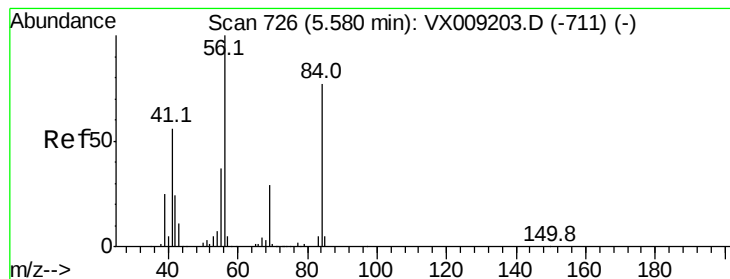
MMDadoda
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#30
Chloroform
Concen: 43.131 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.5	77.3





#31

Cyclohexane

Concen: 46.181 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

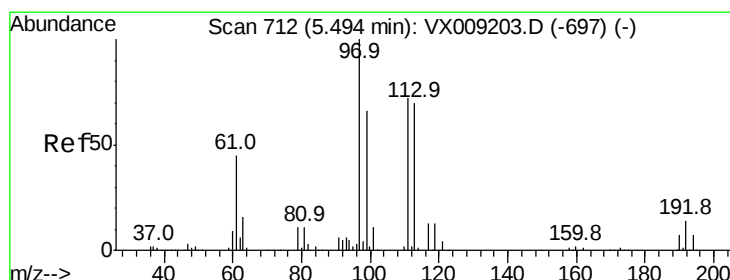
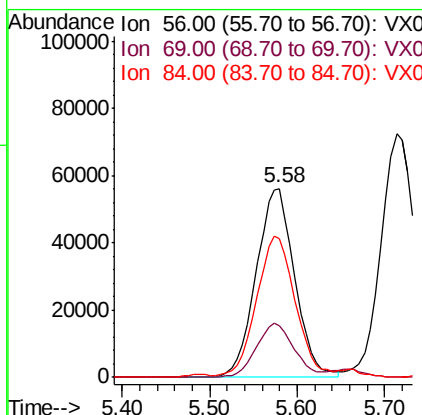
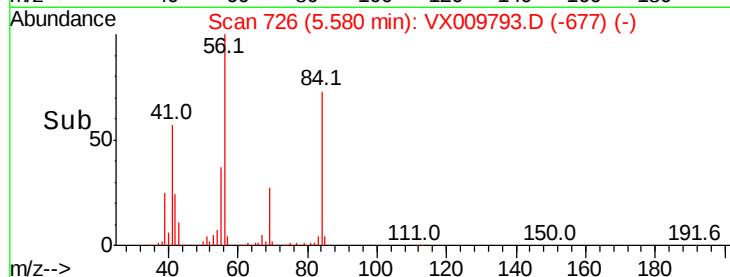
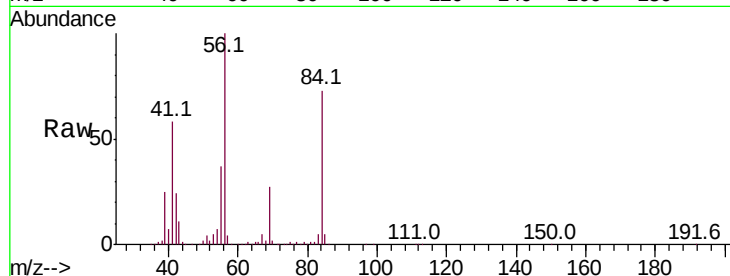
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	172666
Ion	Ratio	Lower	Upper
56	100		
69	27.1	23.4	35.0
84	72.5	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 43.334 ug/l

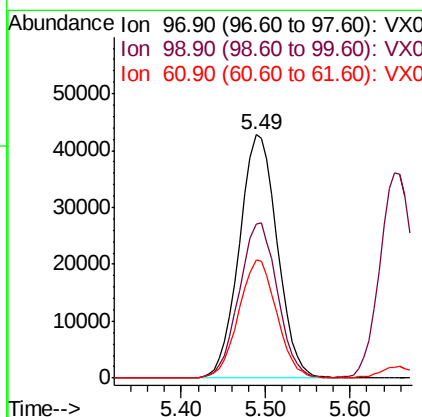
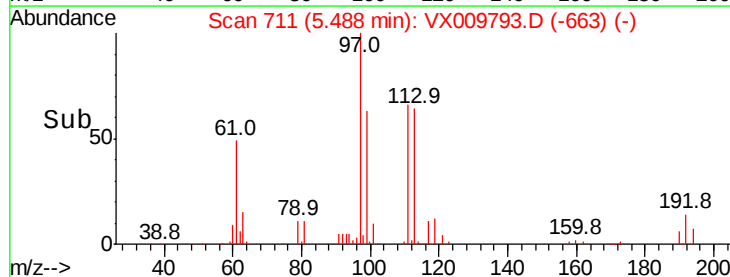
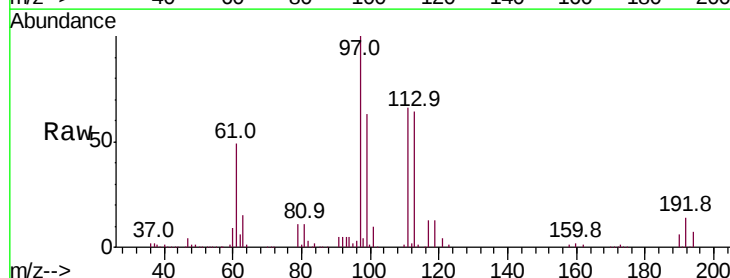
RT: 5.49 min Scan# 711

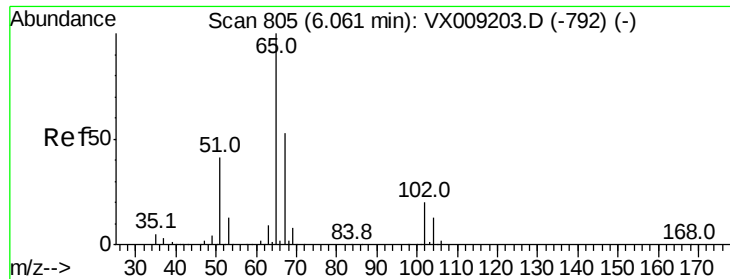
Delta R.T. -0.01 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Tgt Ion:	97	Resp:	131116
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	48.7	37.8	56.8





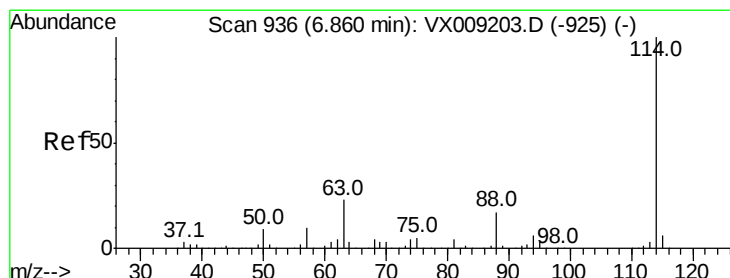
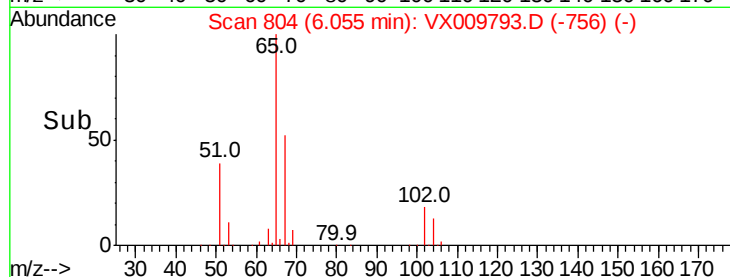
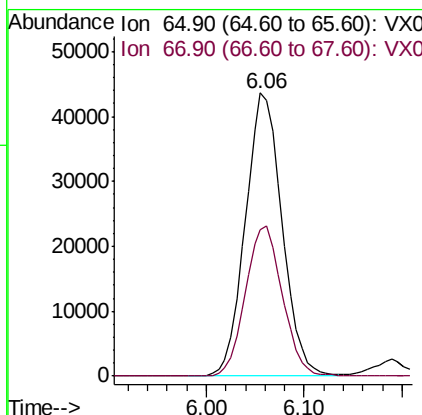
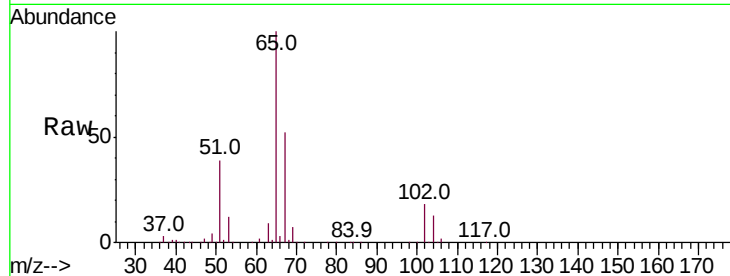
#33
 1,2-Dichloroethane-d4
 Concen: 44.948 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.6

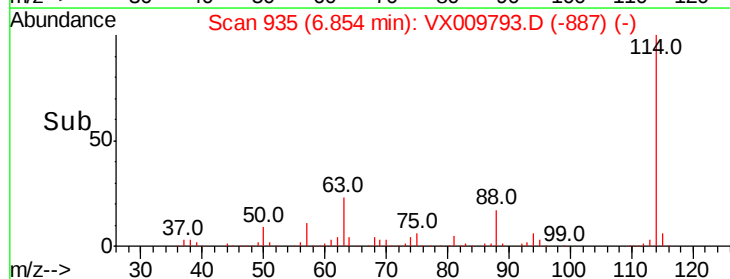
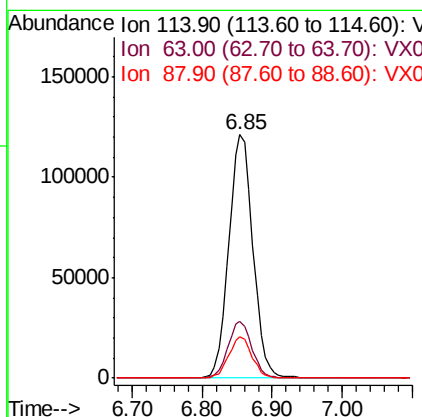
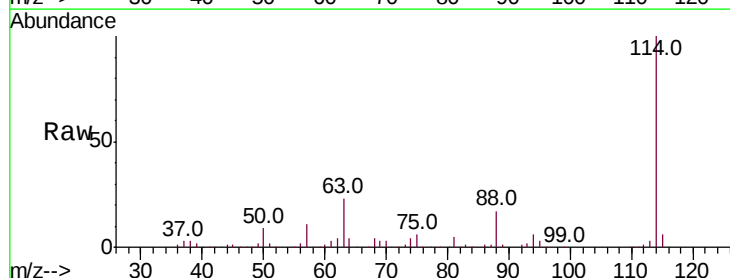
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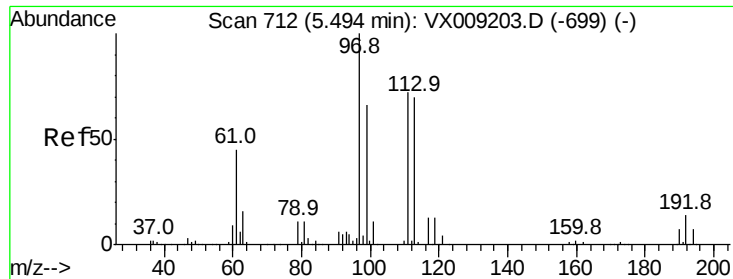
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	45.6
88	17.0	0.0	33.2





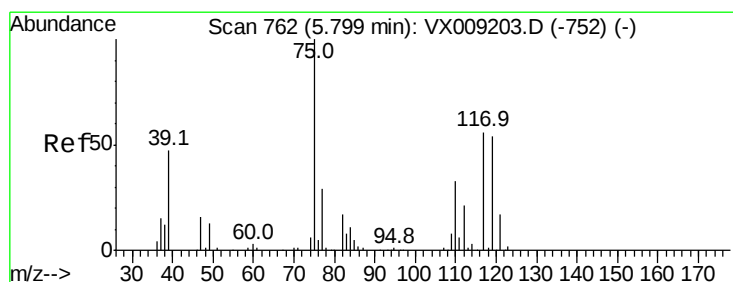
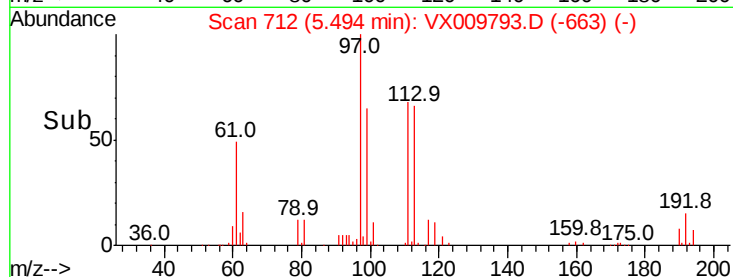
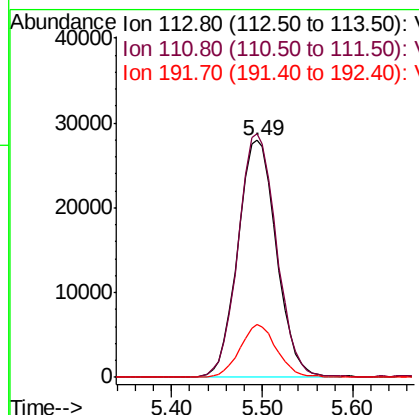
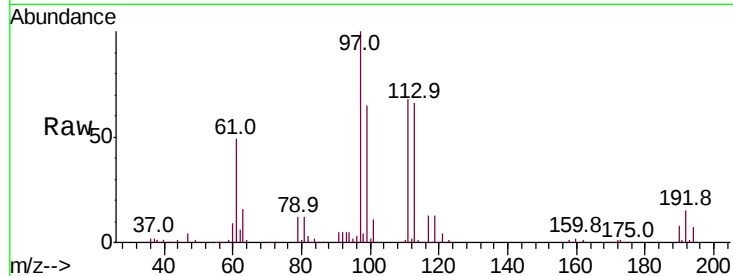
#35
 Dibromofluoromethane
 Concen: 45.237 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	82522		
111	101.9	82.8	124.2	
192	21.4	17.0	25.6	

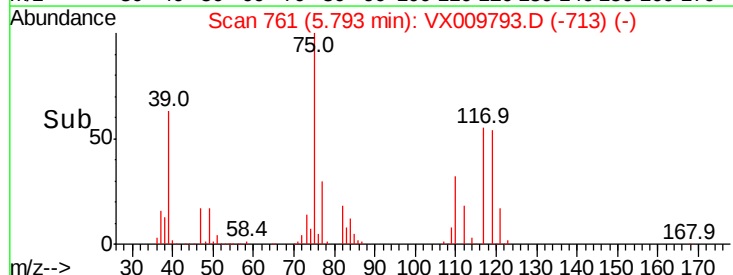
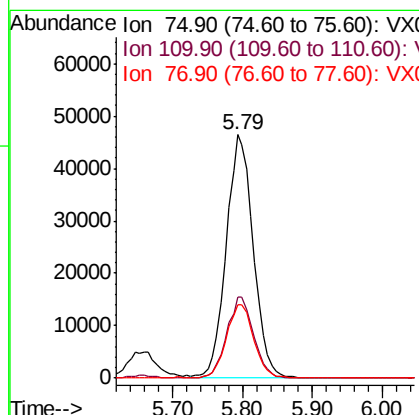
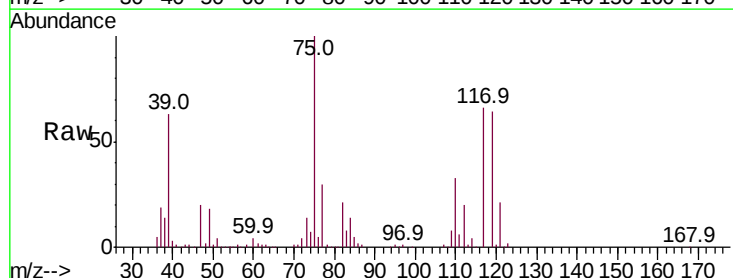
Manual Integrations
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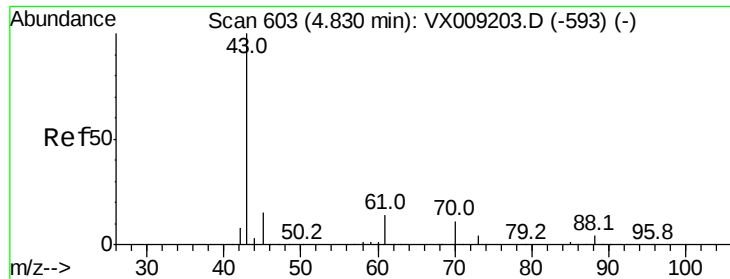
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#36
 1,1-Dichloropropene
 Concen: 45.965 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123954		
110	33.0	16.9	50.6	
77	30.9	24.8	37.2	





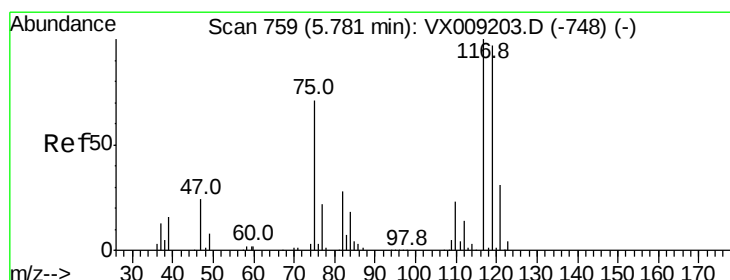
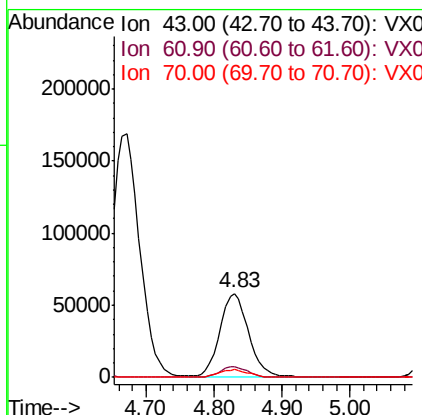
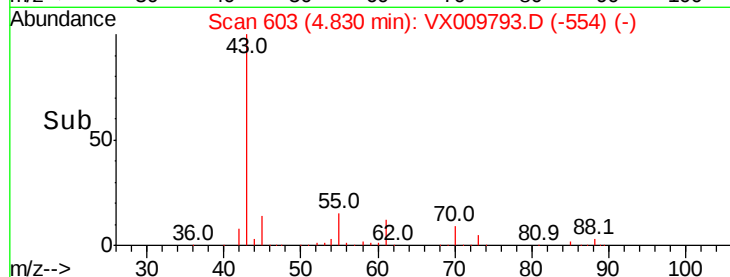
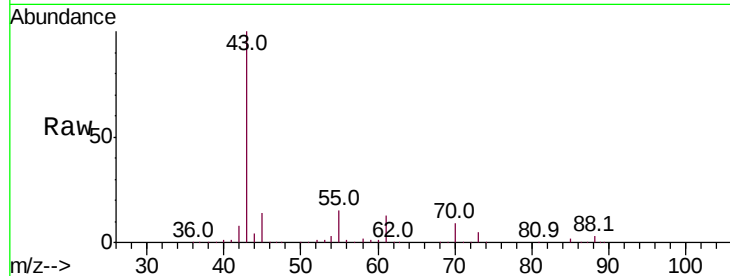
#37
Ethyl Acetate
Concen: 45.377 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.5	15.7
70	9.4	7.9	11.9

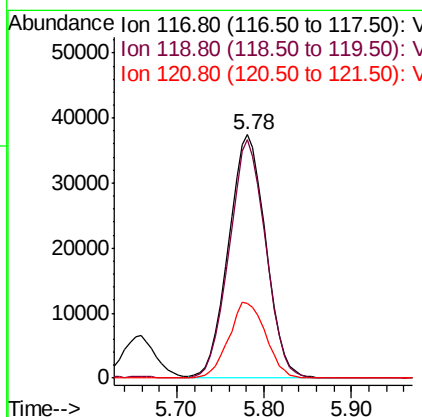
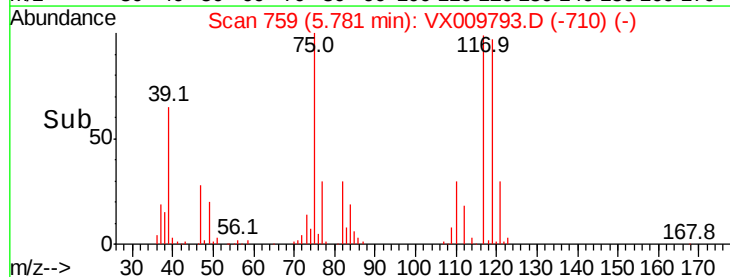
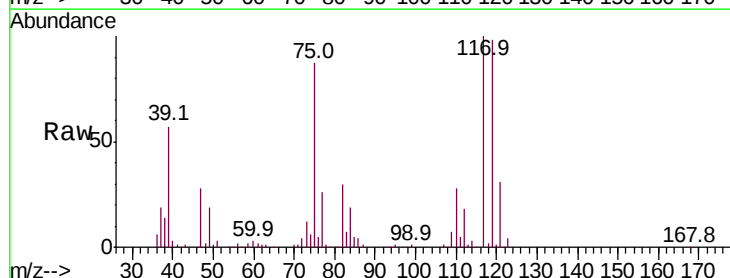
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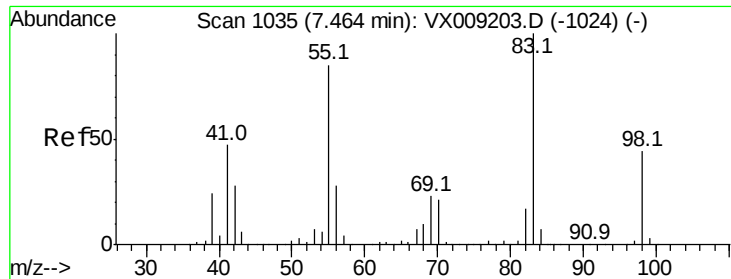
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#38
Carbon Tetrachloride
Concen: 44.975 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.5	116.3
121	30.8	24.7	37.1





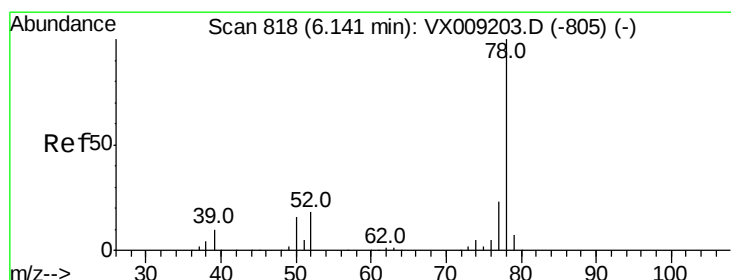
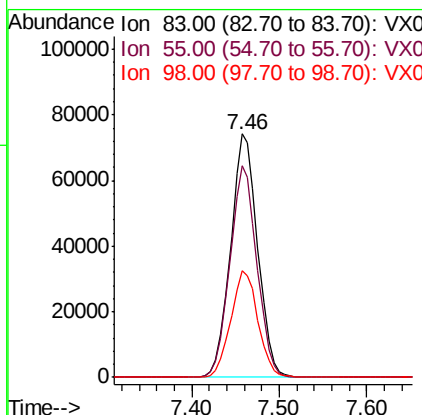
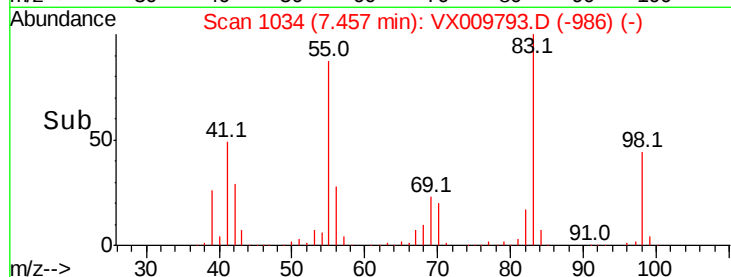
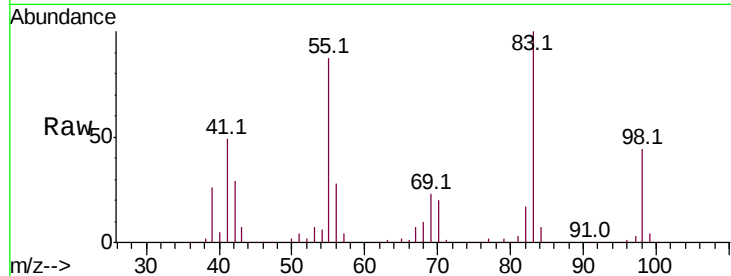
#39
Methvlcvclohexane
Concen: 48.055 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	67.7	101.5
98	44.0	35.5	53.3

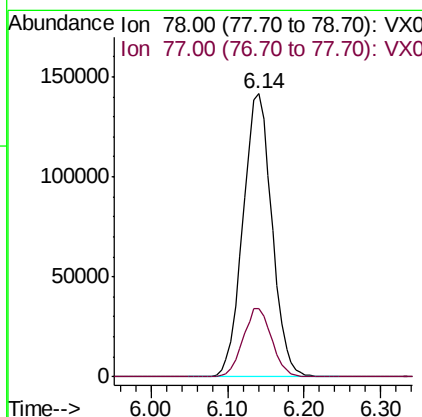
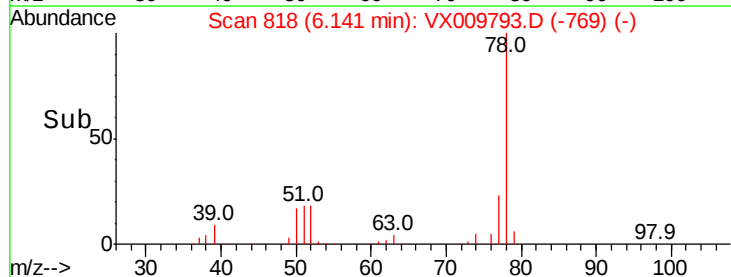
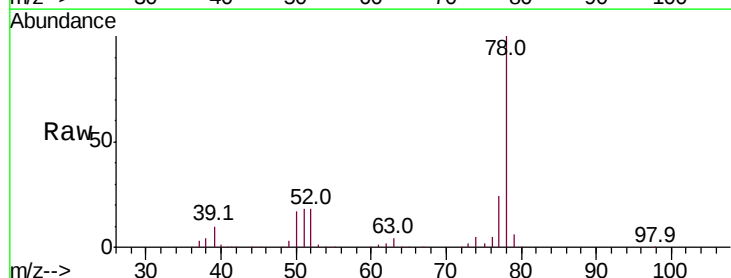
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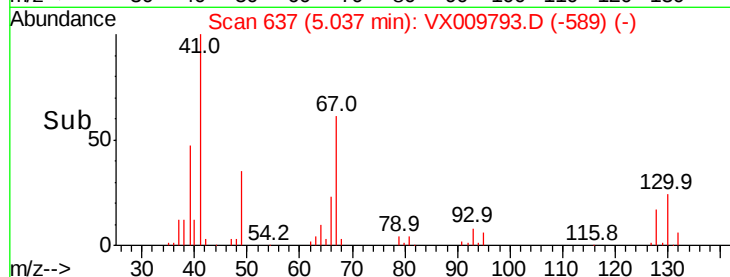
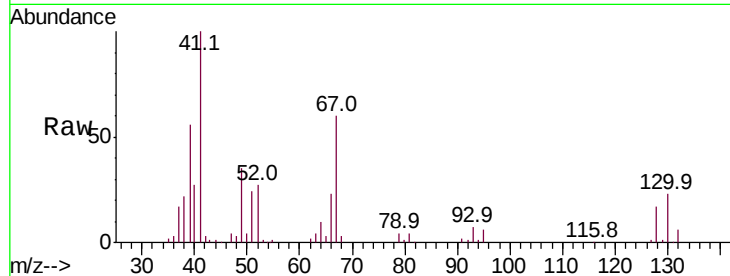
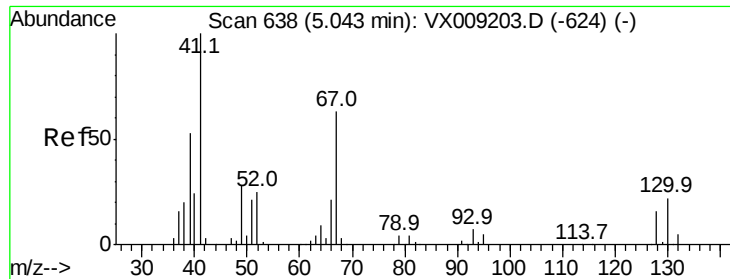
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#40
Benzene
Concen: 44.707 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





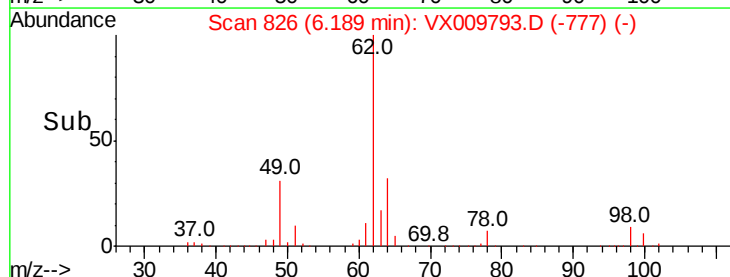
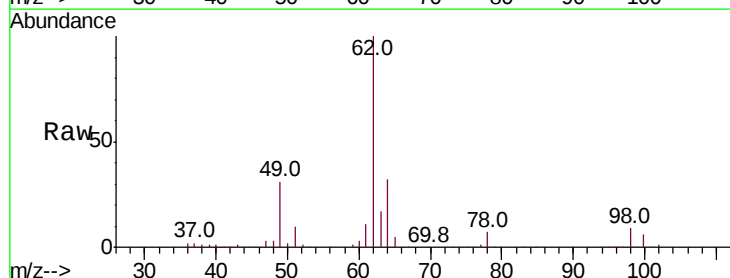
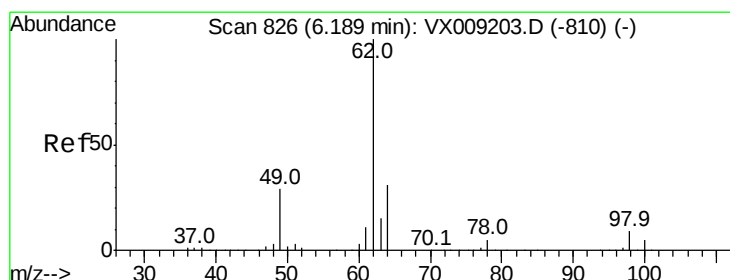
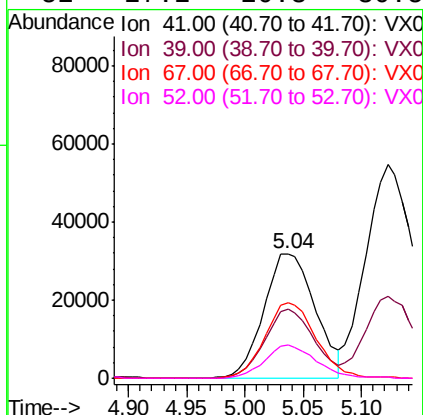
#41
Methacrylonitrile
Concen: 43.611 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	42.0	63.0	
67	60.8	49.8	74.8	
52	27.2	20.3	30.5	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

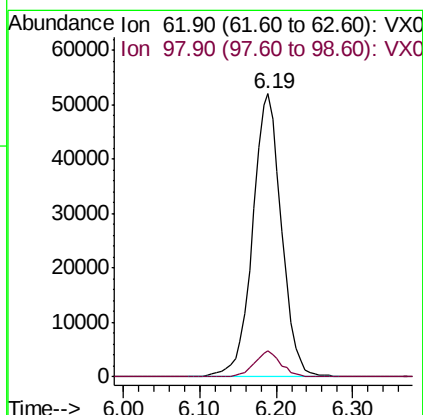
Manual Integrations
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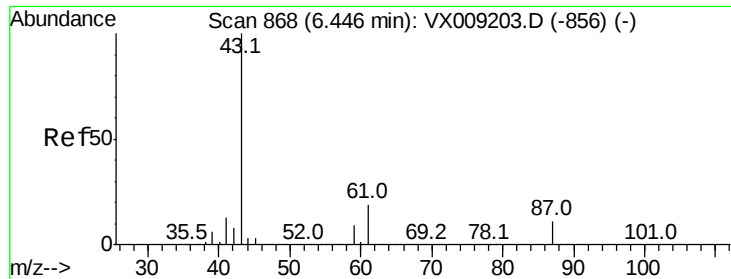
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5/23/2019 10:43:54 AM



#42
1,2-Dichloroethane
Concen: 45.598 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	18.2	





#43

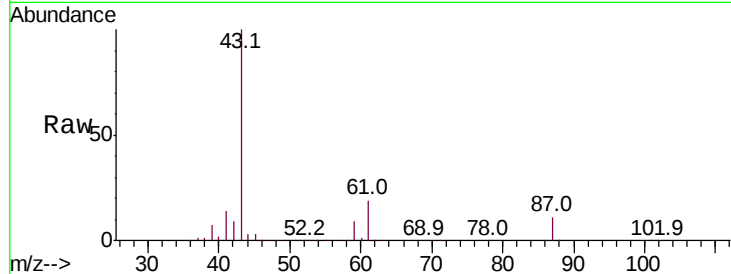
Isopropyl Acetate
 Concen: 45.429 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

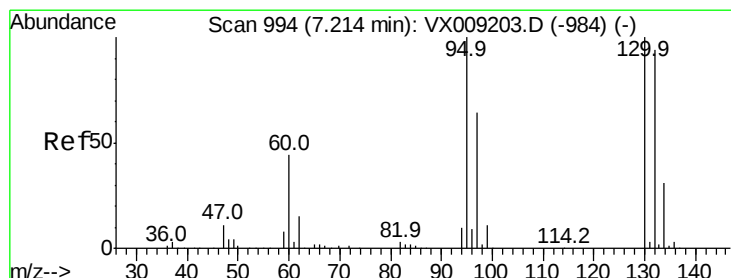
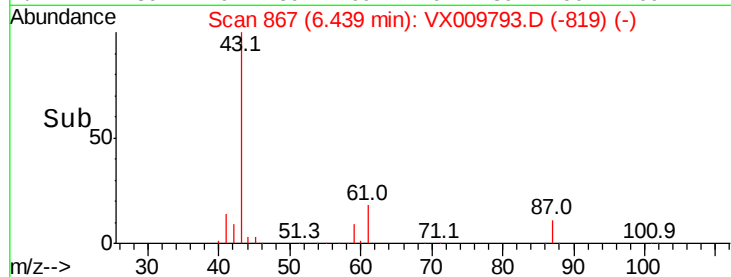
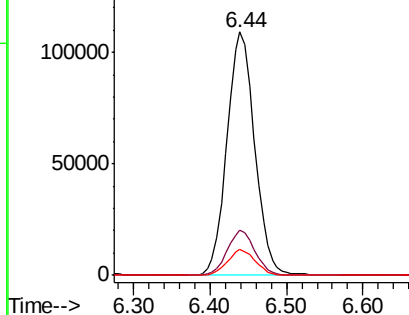
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.1	22.7
87	10.8	9.0	13.6

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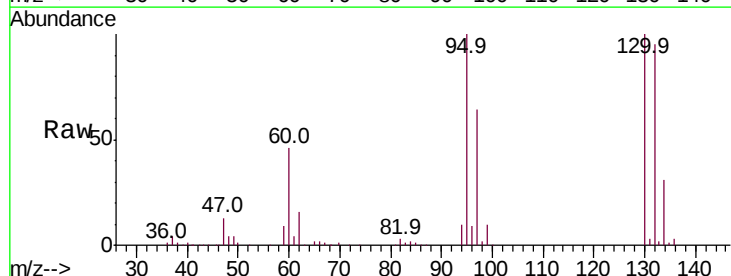
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



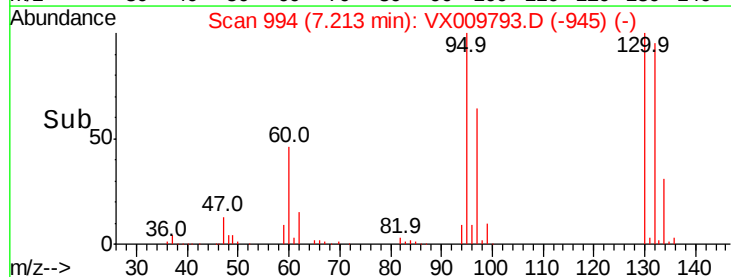
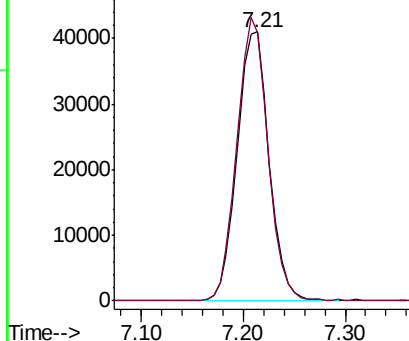
#44

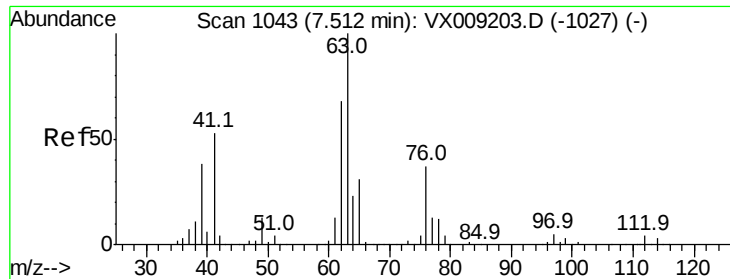
Trichloroethene
 Concen: 44.232 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	199.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 44.758 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 105773

Ion Ratio Lower Upper

63 100

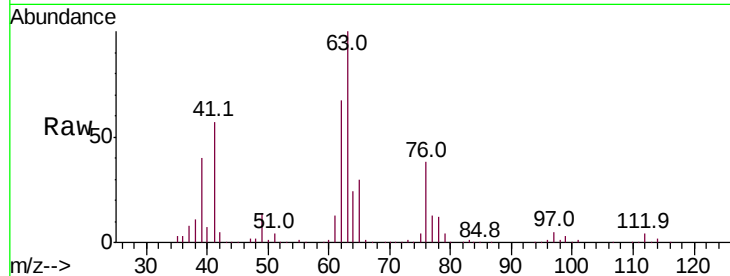
65 29.7 25.0 37.6

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

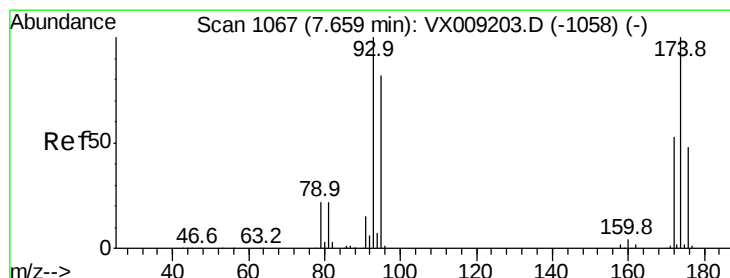
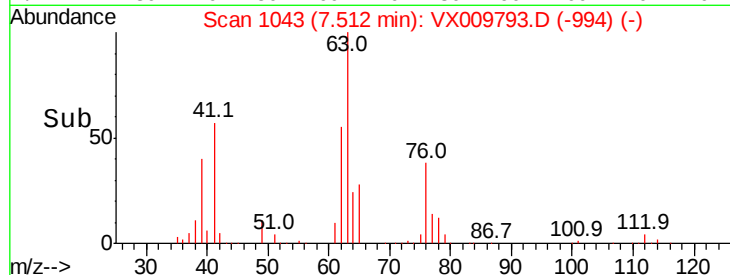
20000

10000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 44.173 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

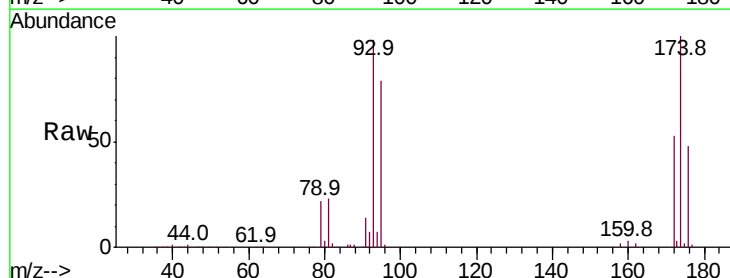
Tgt Ion: 93 Resp: 60620

Ion Ratio Lower Upper

93 100

95 82.6 66.5 99.7

174 102.4 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

40000

30000

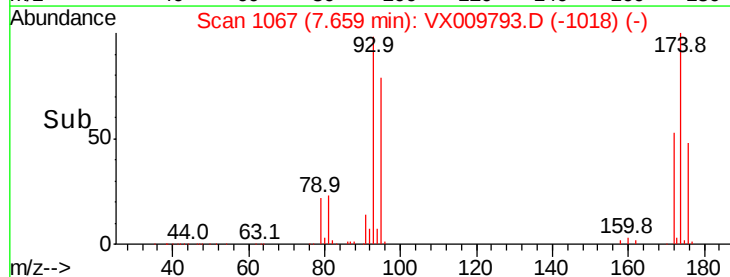
20000

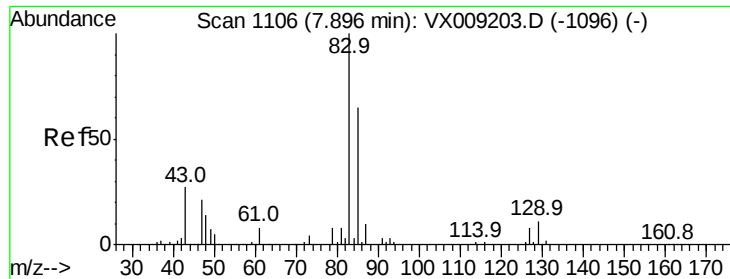
10000

0

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 44.705 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

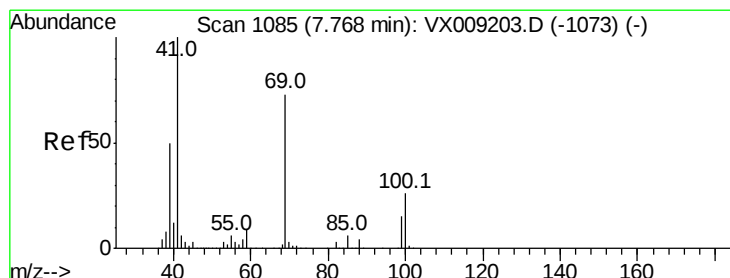
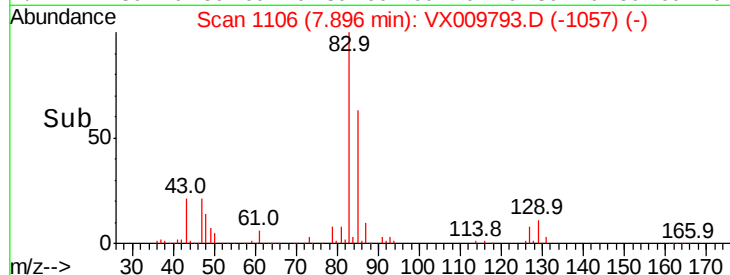
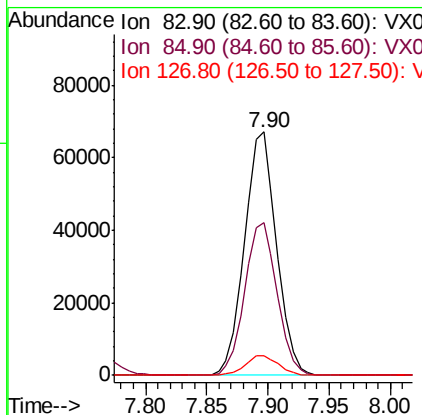
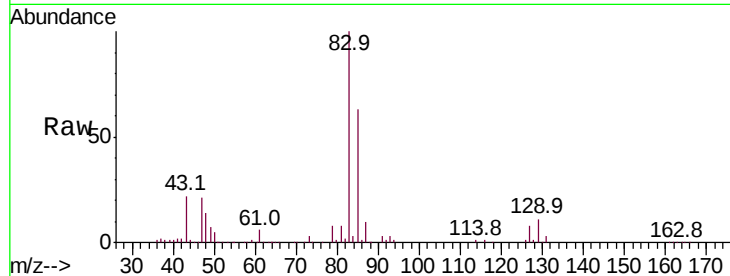
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	122378
Ion Ratio	Lower	Upper	
83	100		
85	62.6	52.4	78.6
127	8.0	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.518 ug/l

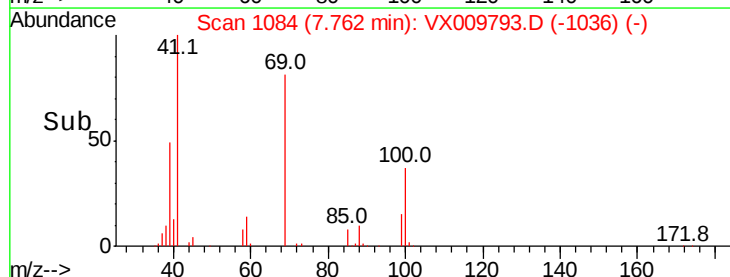
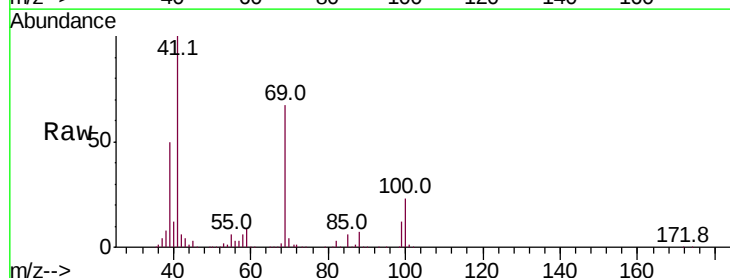
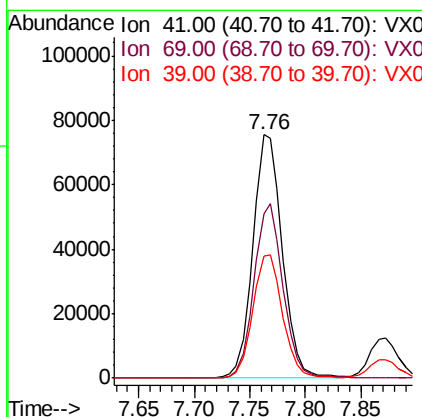
RT: 7.76 min Scan# 1084

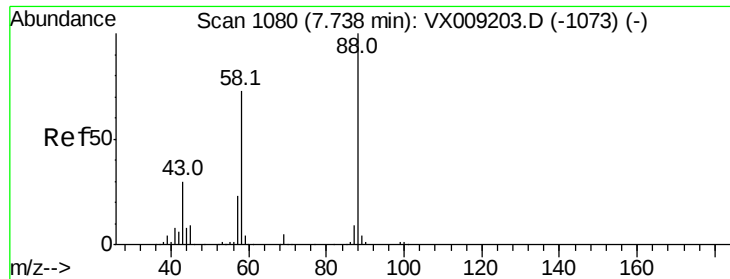
Delta R.T. -0.01 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Tgt Ion:	41	Resp:	138705
Ion Ratio	Lower	Upper	
41	100		
69	71.0	59.1	88.7
39	51.0	40.4	60.6





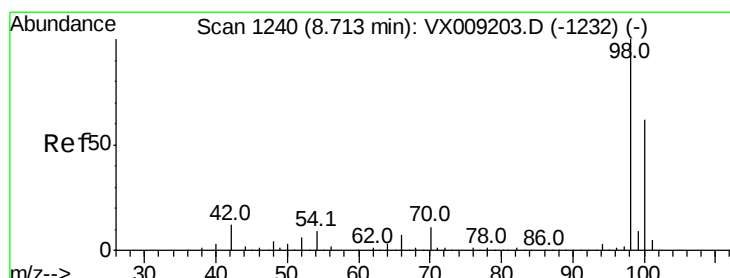
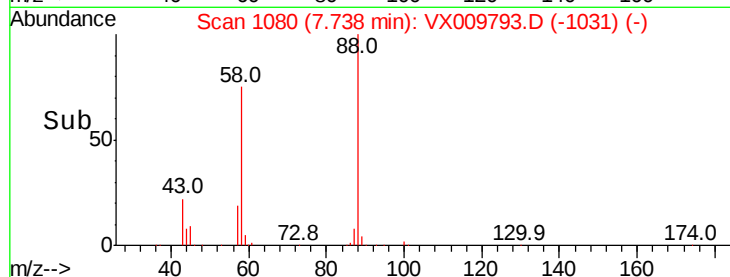
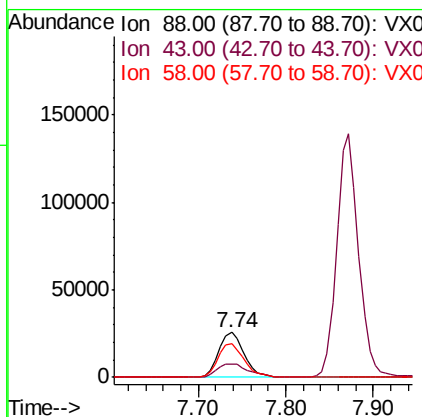
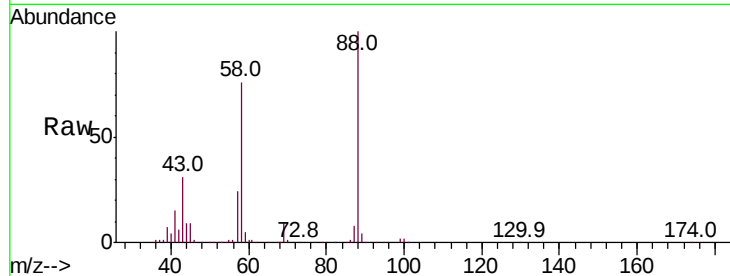
#49
 1,4-Dioxane
 Concen: 850.501 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	28.6	42.8
58	78.2	61.7	92.5

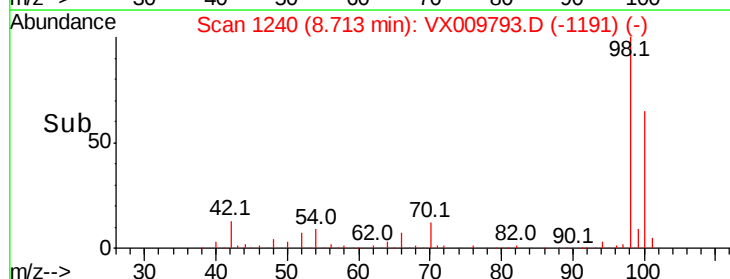
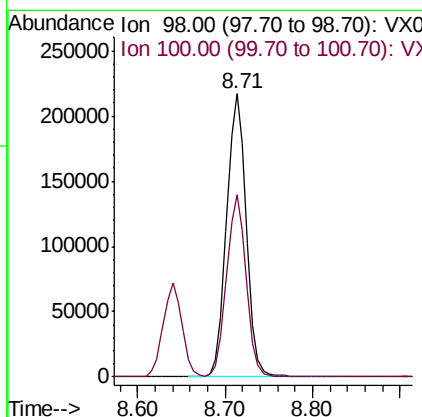
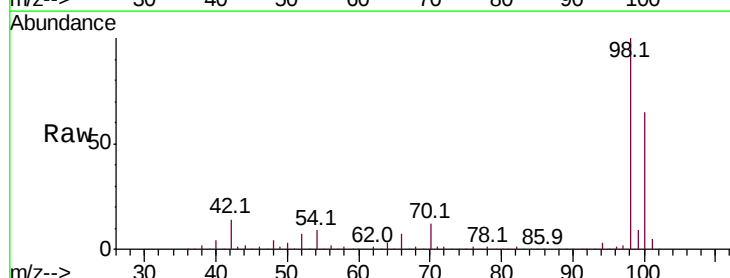
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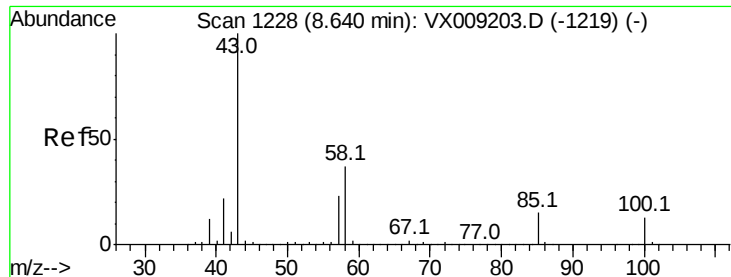
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#50
 Toluene-d8
 Concen: 45.825 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 230.078 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 903814

Ion Ratio Lower Upper

43 100

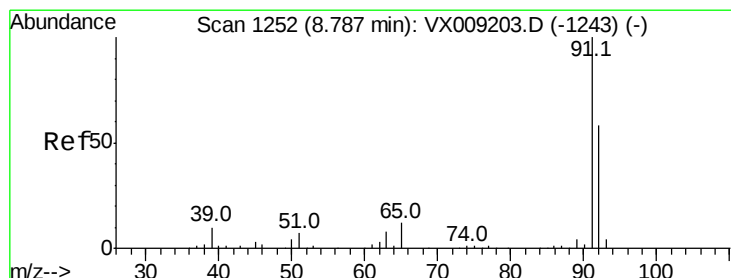
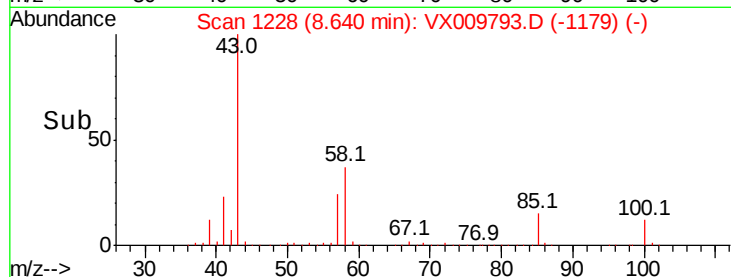
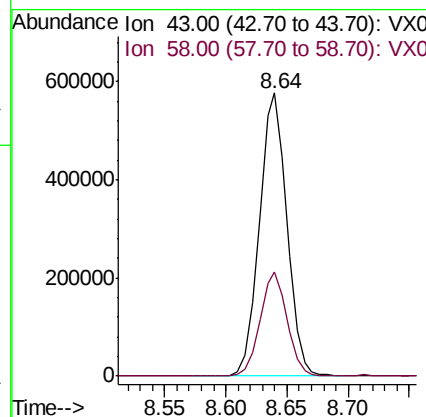
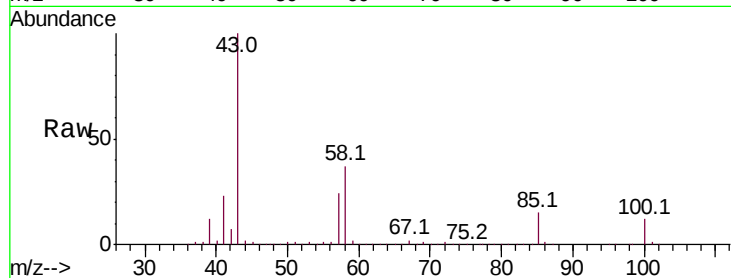
58 36.1 29.5 44.3

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#52

Toluene

Concen: 44.942 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009793.D

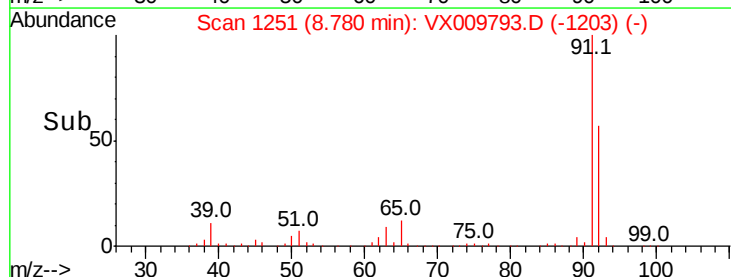
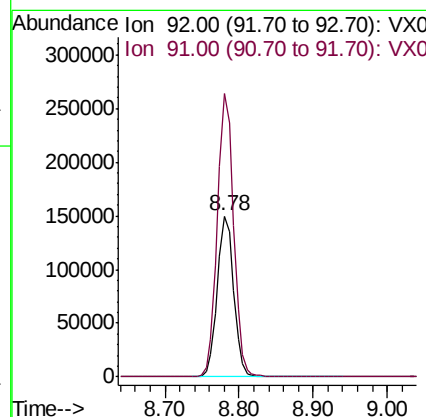
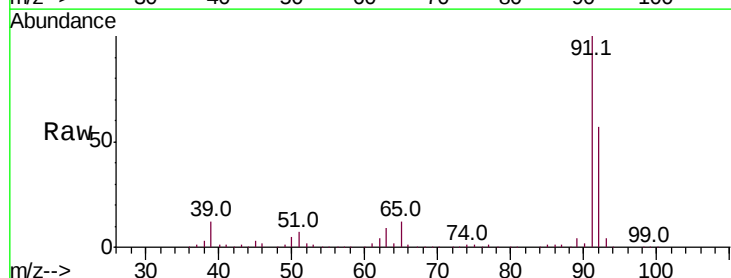
Acq: 22 May 2019 10:23

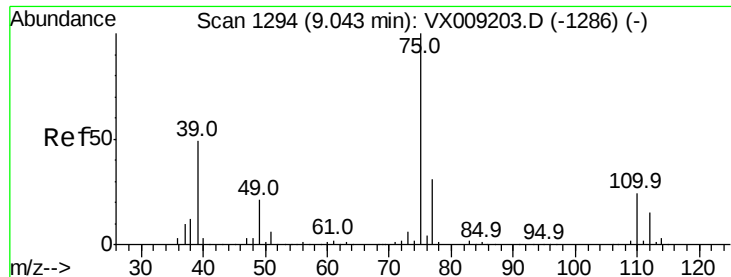
Tgt Ion: 92 Resp: 227999

Ion Ratio Lower Upper

92 100

91 175.0 138.8 208.2





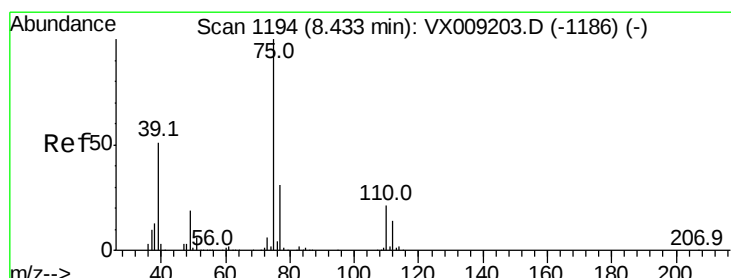
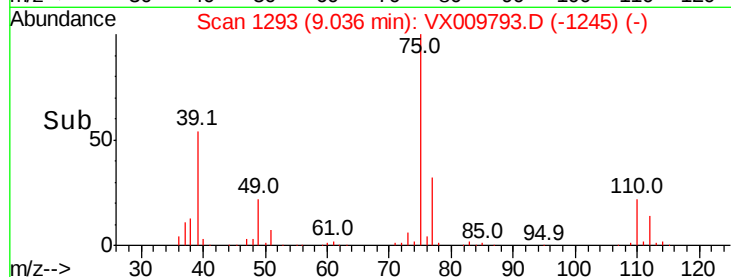
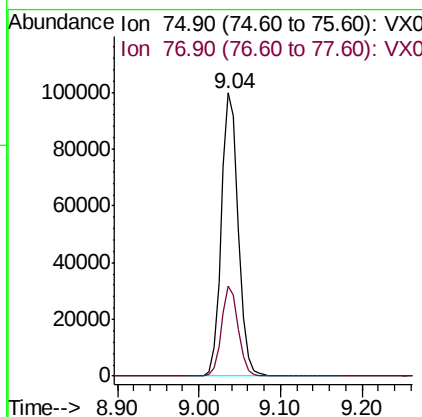
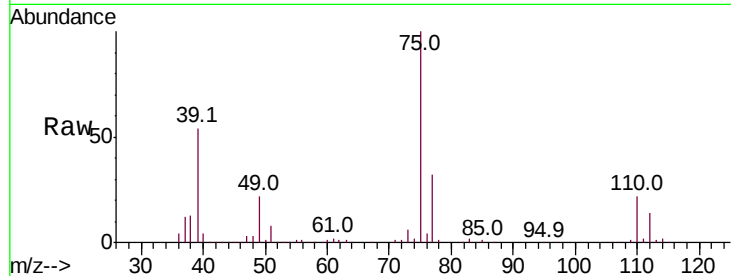
#53
t-1,3-Dichloropropene
Concen: 46.613 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 144064
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.6

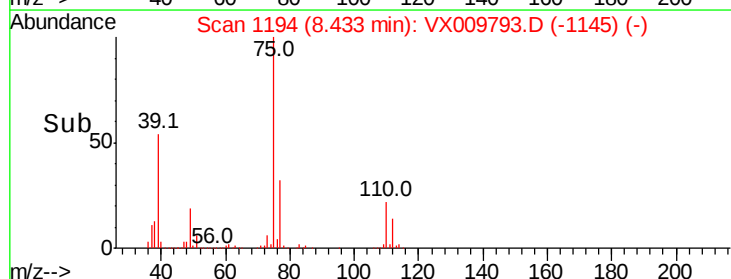
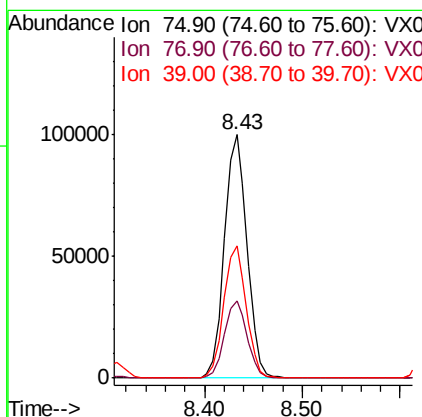
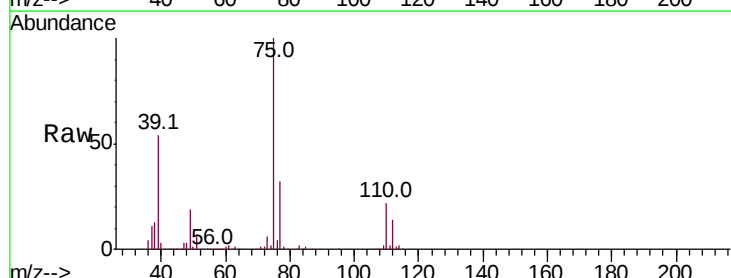
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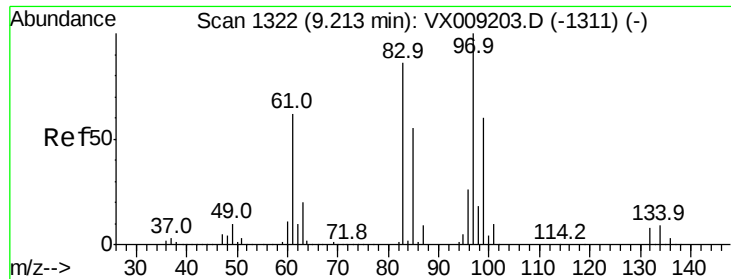
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#54
cis-1,3-Dichloropropene
Concen: 46.625 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion: 75 Resp: 159496
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8
39 54.3 40.6 60.8





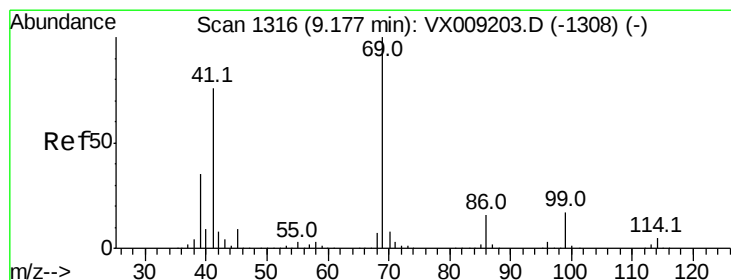
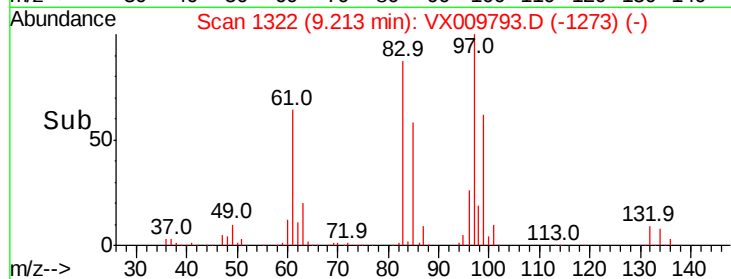
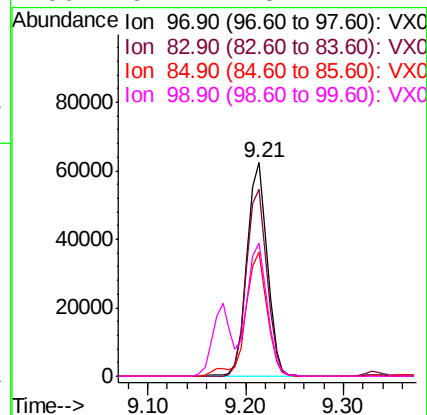
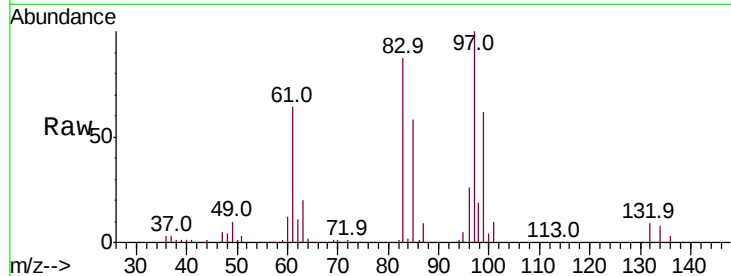
#55
 1,1,2-Trichloroethane
 Concen: 43.830 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	90717
Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.9	103.3
85	58.0	43.8	65.6
99	62.1	48.2	72.2

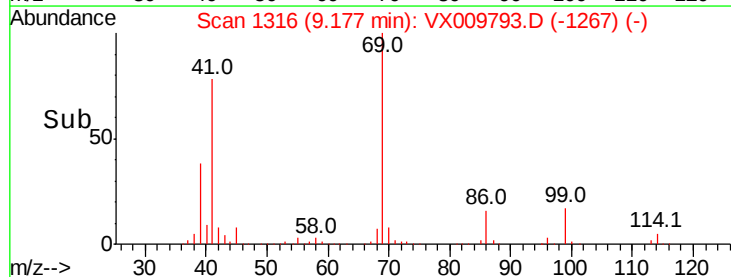
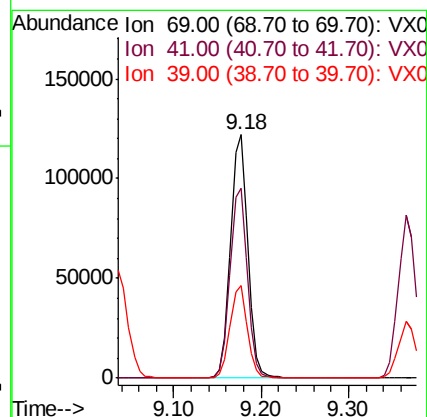
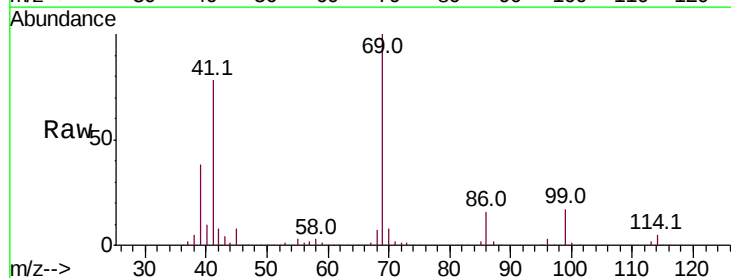
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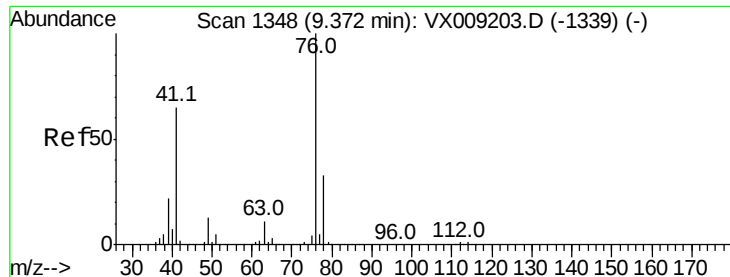
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#56
 Ethyl methacrylate
 Concen: 45.251 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Tgt Ion:	69	Resp:	167183
Ion	Ratio	Lower	Upper
69	100		
41	78.2	60.6	90.8
39	37.9	28.2	42.4





#57

1,3-Dichloropropane

Concen: 44.189 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 160945

Ion Ratio Lower Upper

76 100

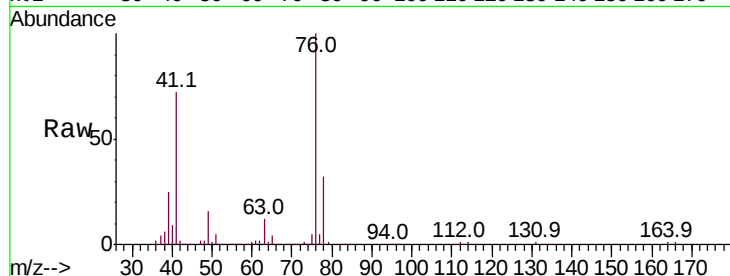
78 31.9 25.5 38.3

Manual Integrations

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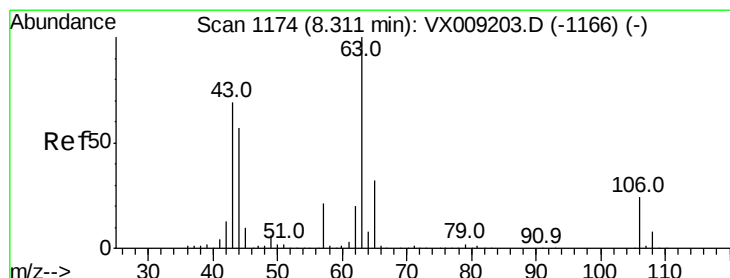
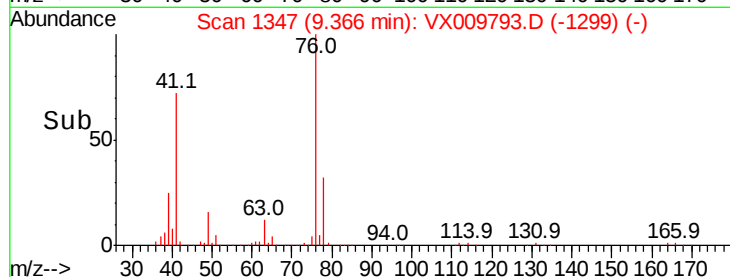
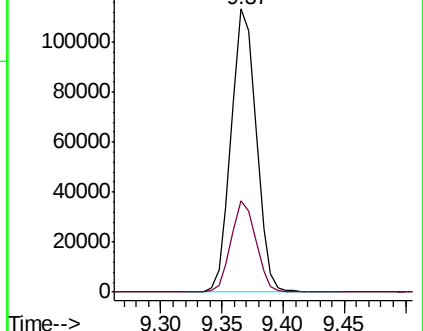
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 220.195 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009793.D

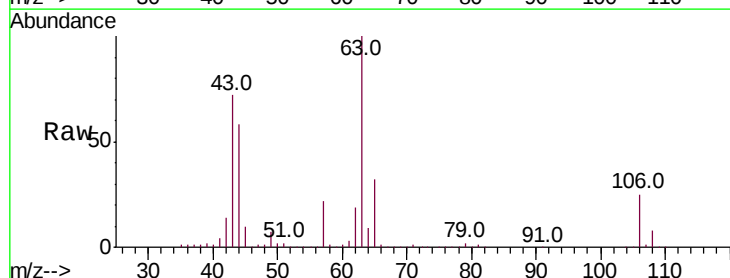
Acq: 22 May 2019 10:23

Tgt Ion: 63 Resp: 431575

Ion Ratio Lower Upper

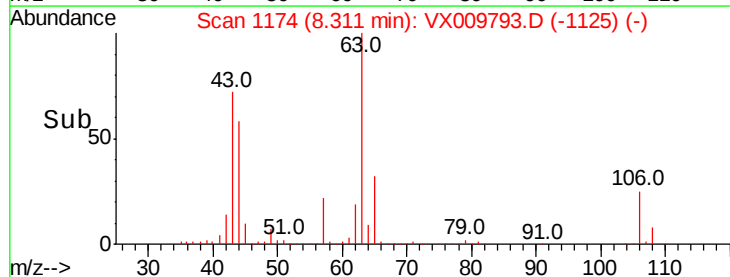
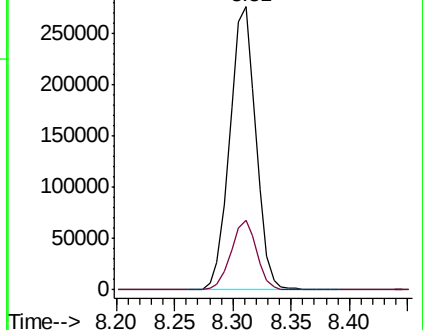
63 100

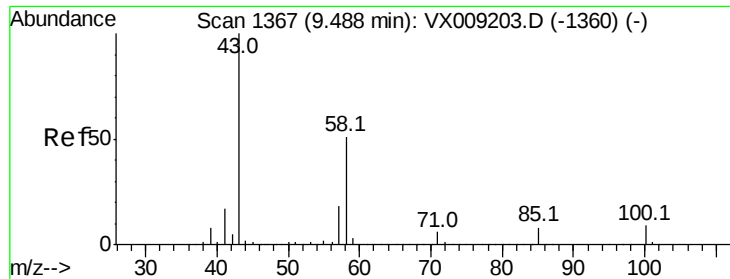
106 24.2 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





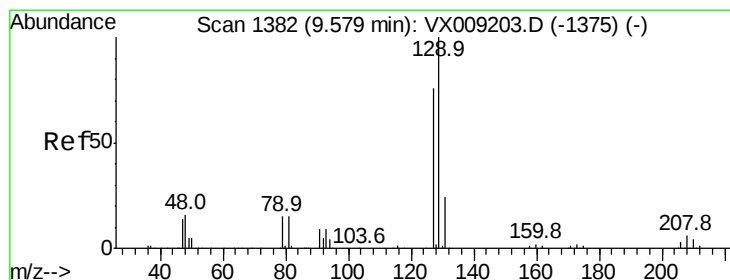
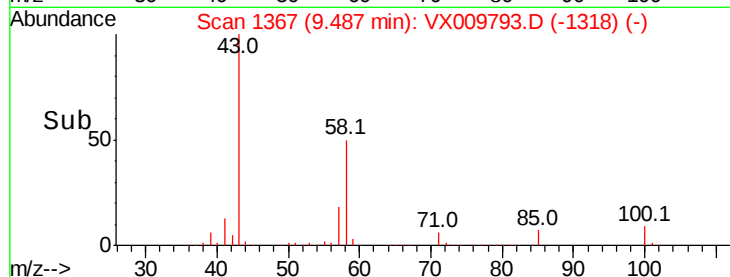
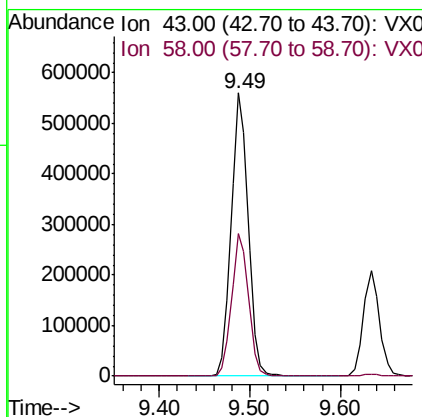
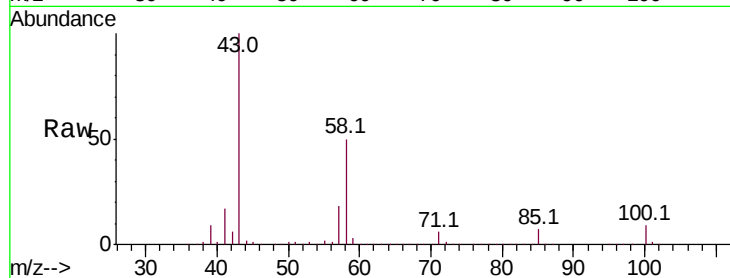
#59
2-Hexanone
Concen: 235.781 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 727440
Ion Ratio Lower Upper
43 100
58 50.1 25.9 77.7

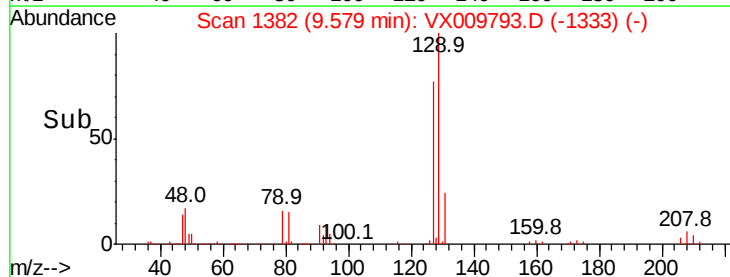
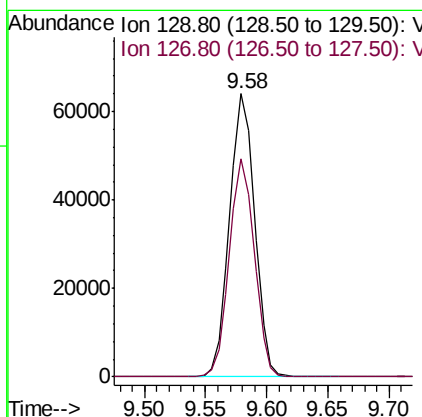
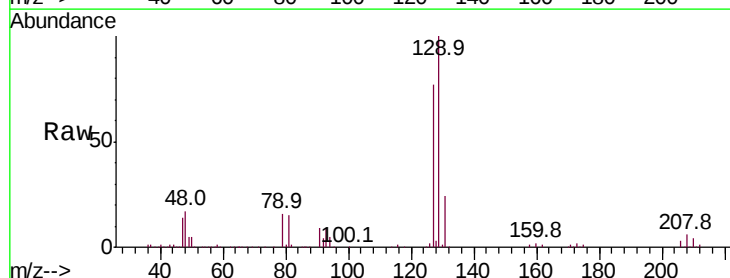
Manual Integrations
APPROVED

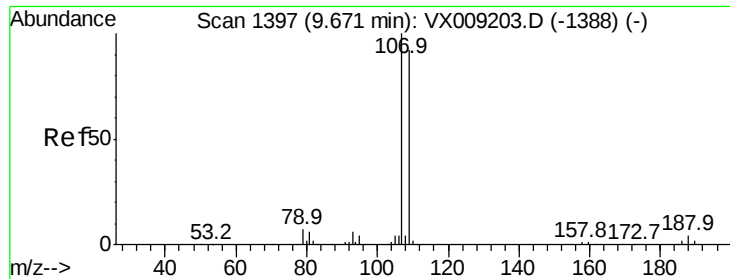
MMDadoda
5/23/2019 10:43:54 AM



#60
Dibromochloromethane
Concen: 44.973 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion:129 Resp: 90912
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.1





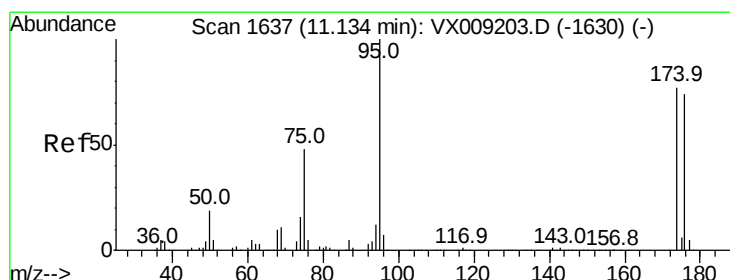
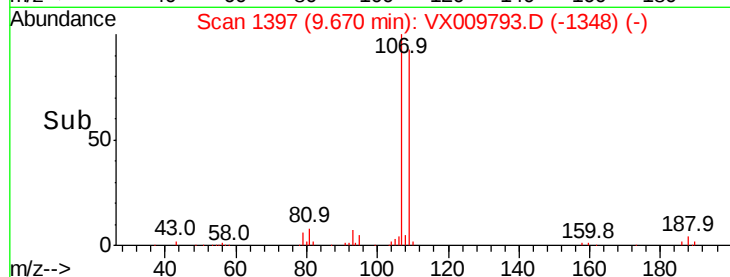
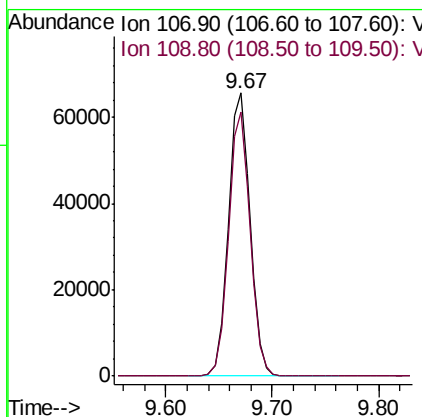
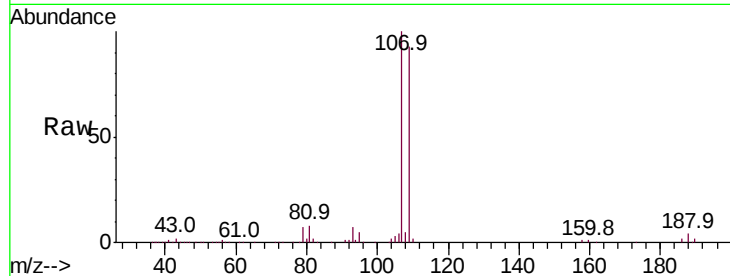
#61
 1,2-Dibromoethane
 Concen: 44.752 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.2	112.8

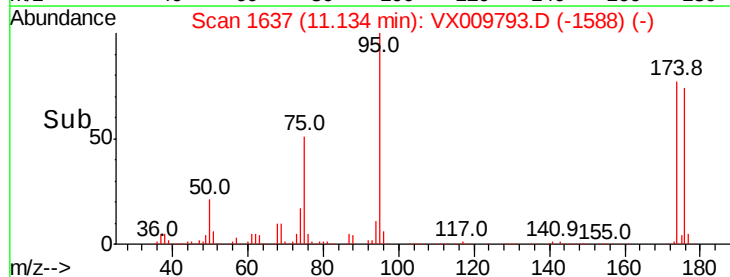
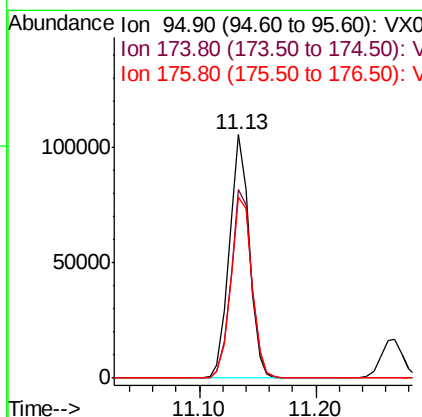
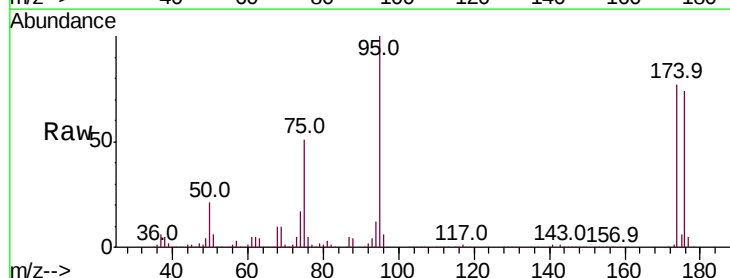
Manual Integrations
 APPROVED

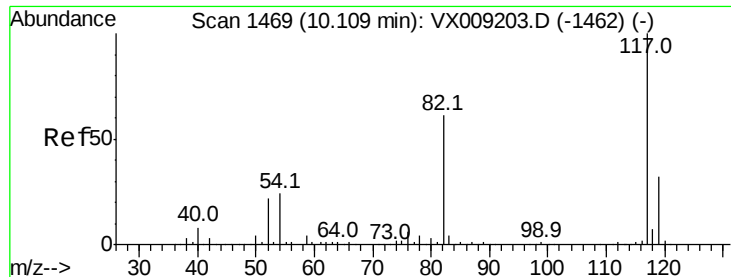
MMDadoda
 5/23/2019 10:43:54 AM



#62
 4-Bromofluorobenzene
 Concen: 47.038 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.3	0.0	161.6
176	78.5	0.0	159.2





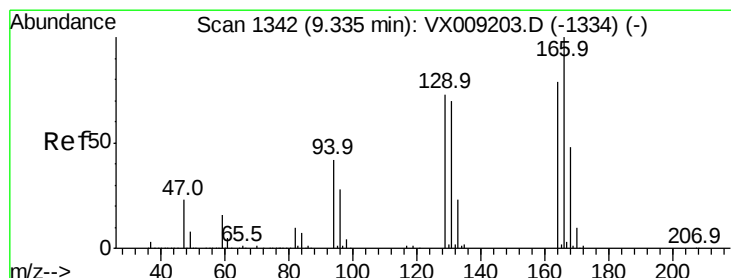
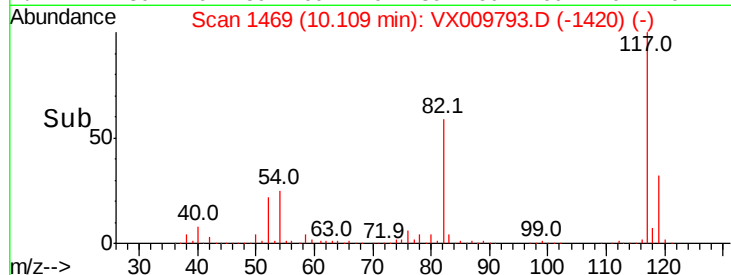
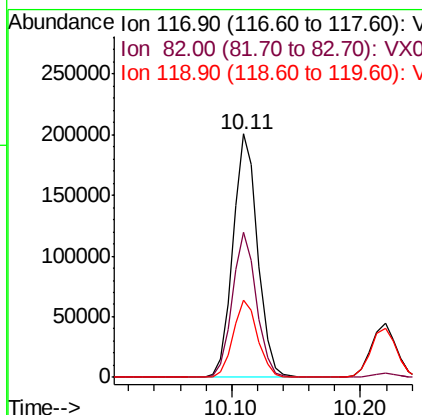
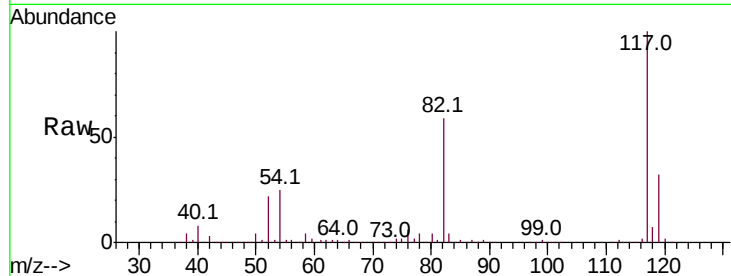
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	48.8	73.2
119	31.9	25.8	38.6

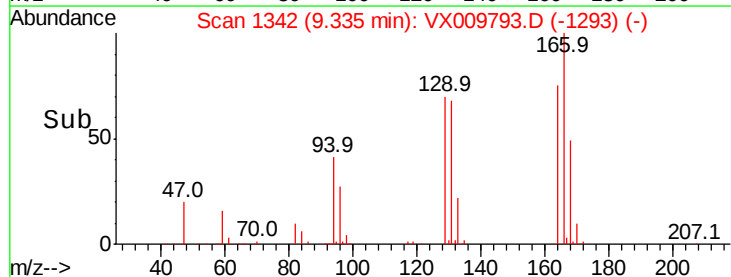
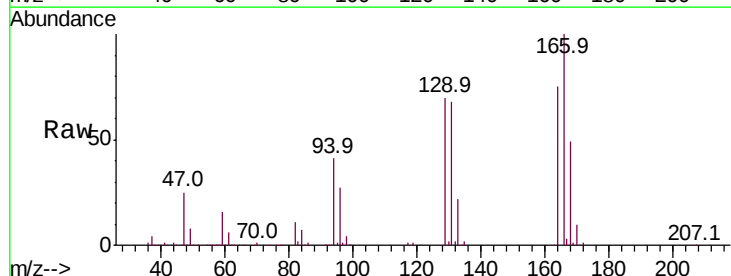
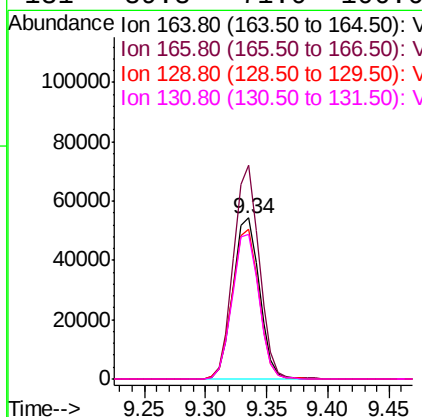
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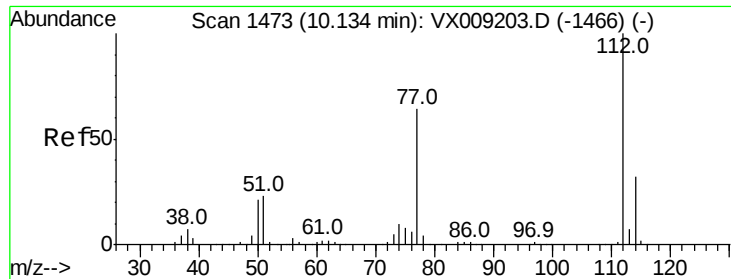
MMDadoda
5/23/2019 10:43:54 AM



#64
Tetrachloroethene
Concen: 44.103 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	101.2	151.8
129	93.2	74.3	111.5
131	89.8	71.0	106.6





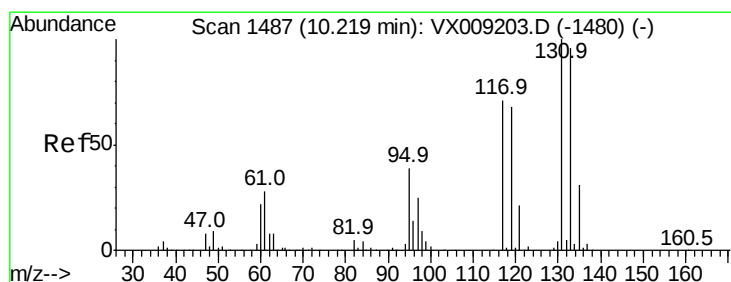
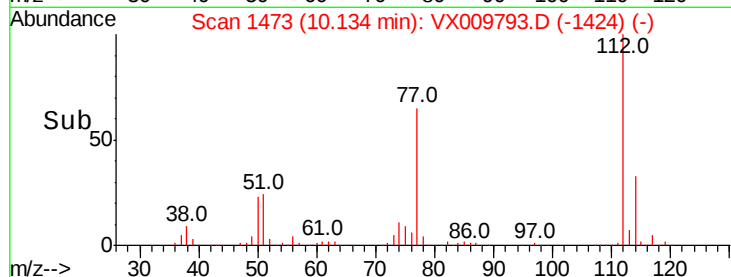
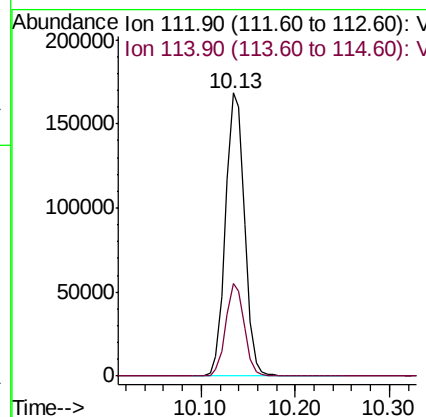
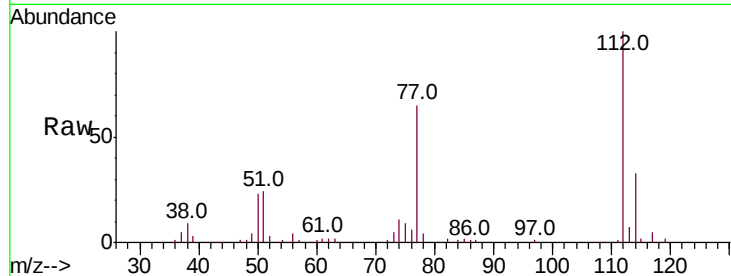
#65
Chlorobenzene
Concen: 43.998 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 23542
Ion Ratio Lower Upper
112 100
114 32.9 25.5 38.3

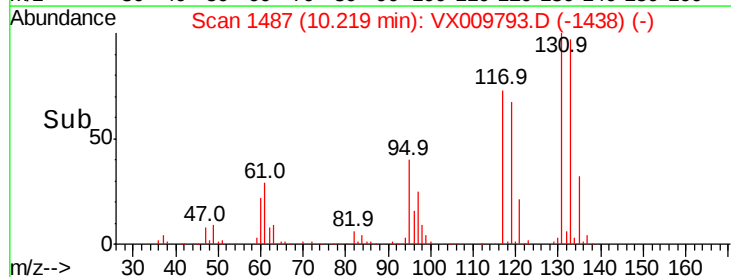
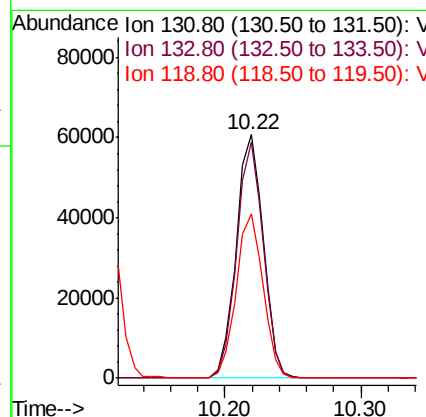
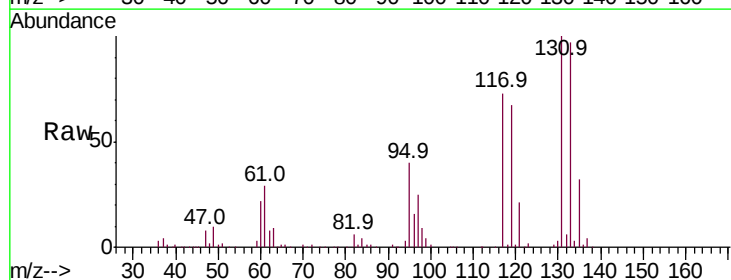
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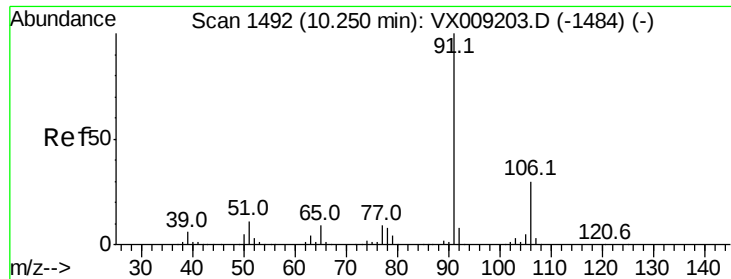
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 43.360 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion:131 Resp: 84157
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 67.0 33.5 100.4





#67

Ethyl Benzene

Concen: 45.172 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050

Tot Ion: 91 Resp: 445060

Ion Ratio Lower Upper

91 100

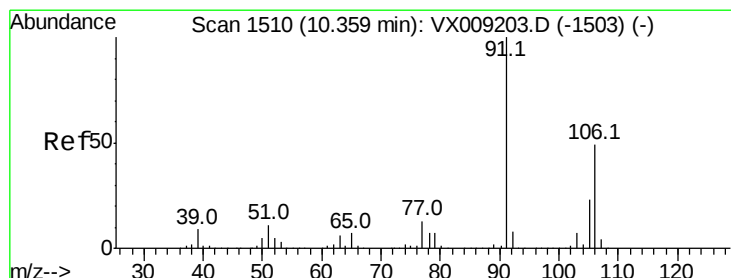
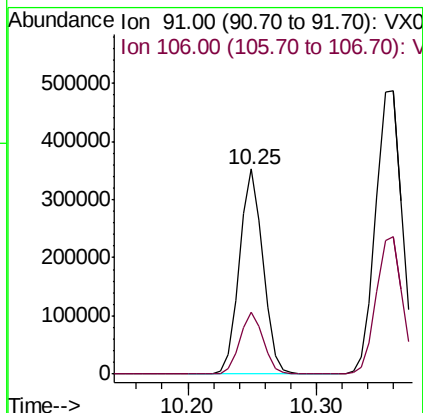
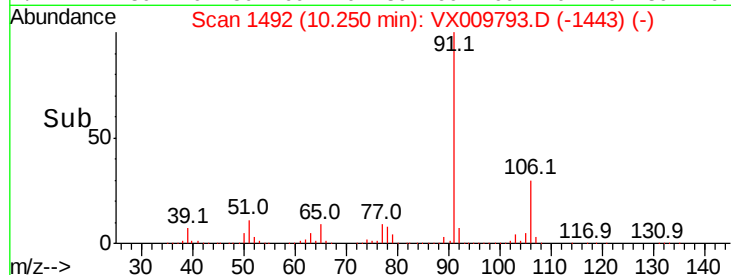
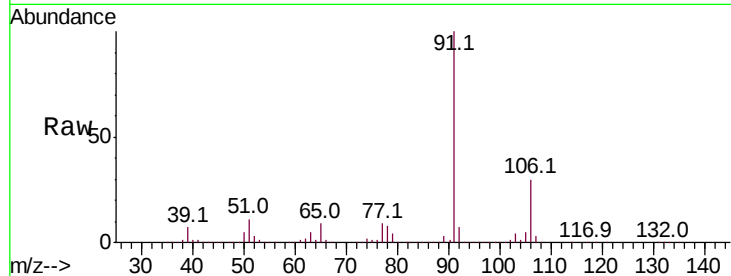
106 30.1 24.0 36.0

Manual Integrations

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MMDadoda

5/23/2019 10:43:54 AM



#68

m/p-Xylenes

Concen: 91.543 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009793.D

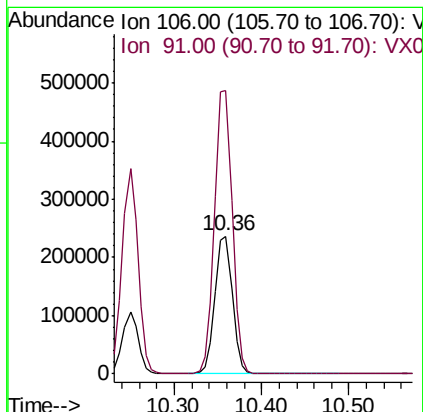
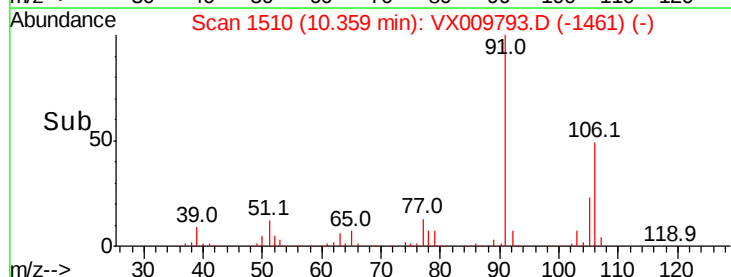
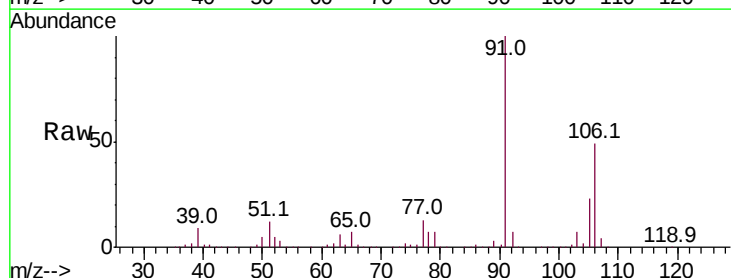
Acq: 22 May 2019 10:23

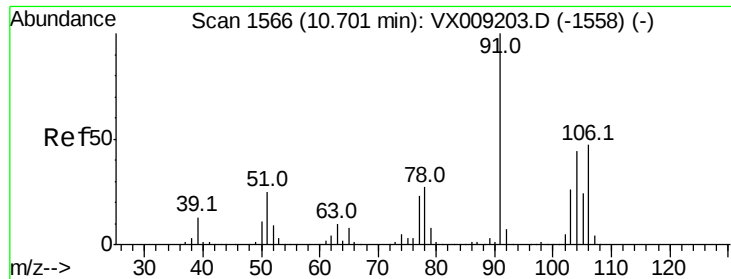
Tgt Ion: 106 Resp: 329592

Ion Ratio Lower Upper

106 100

91 208.6 164.0 246.0





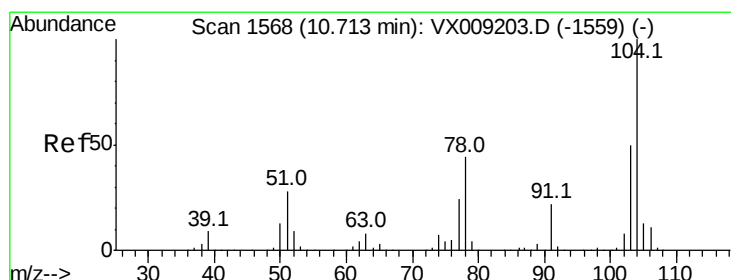
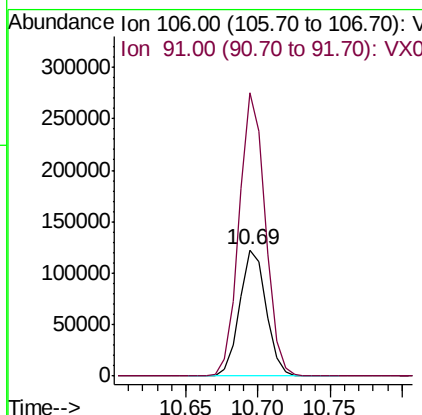
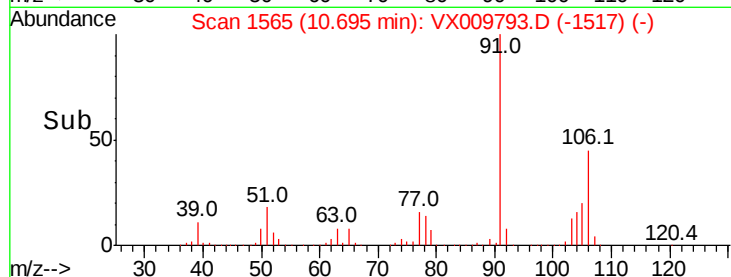
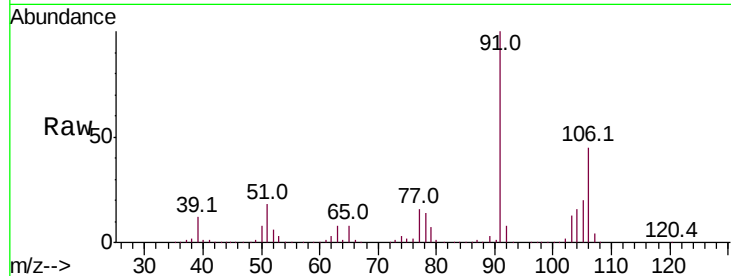
#69
o-Xylene
Concen: 44.136 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 156785
Ion Ratio Lower Upper
106 100
91 221.9 109.5 328.4

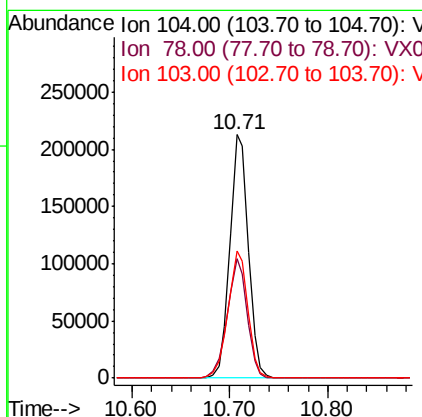
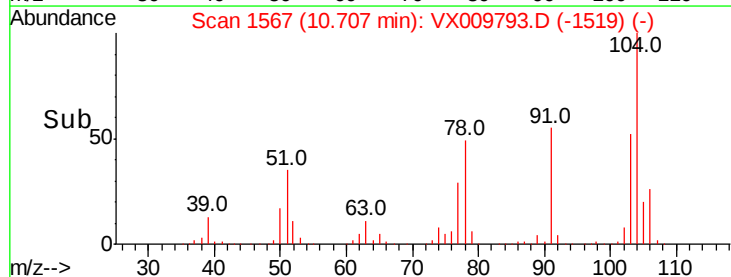
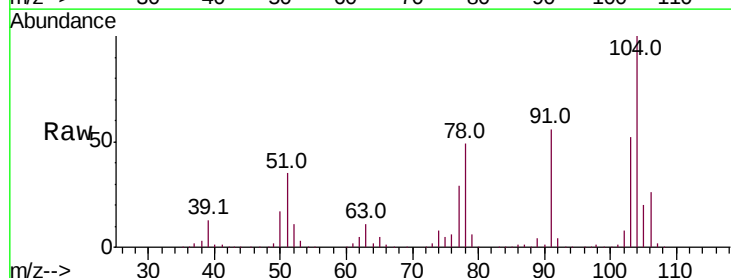
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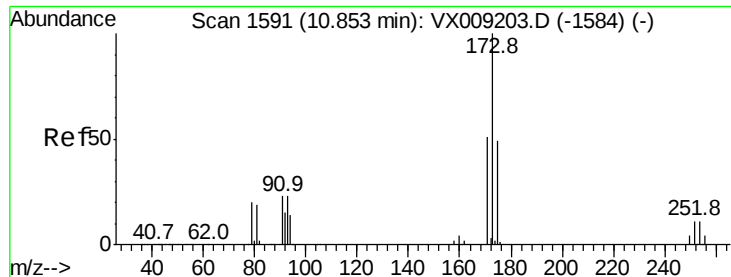
MMDadoda
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#70
Styrene
Concen: 45.214 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion:104 Resp: 279164
Ion Ratio Lower Upper
104 100
78 52.4 41.0 61.4
103 55.9 43.8 65.6





#71

Bromoform

Concen: 44.522 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 70222

Ion Ratio Lower Upper

173 100

175 49.0 24.5 73.5

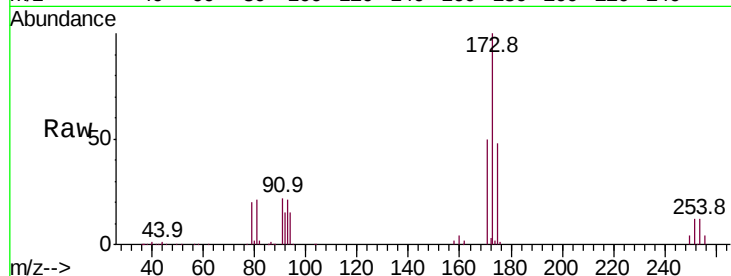
254 0.0 0.1 0.1#

Manual Integrations

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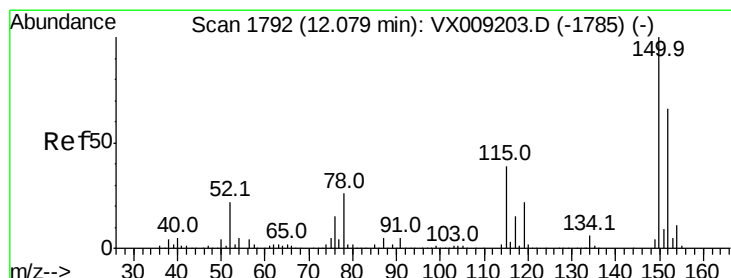
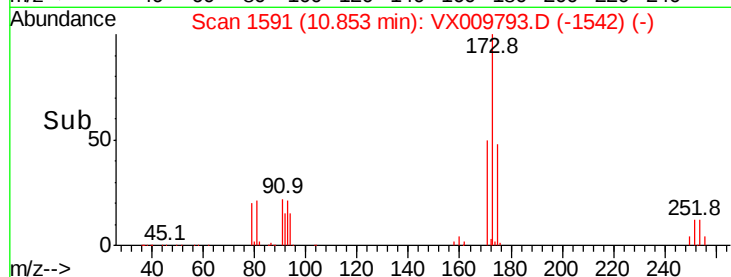
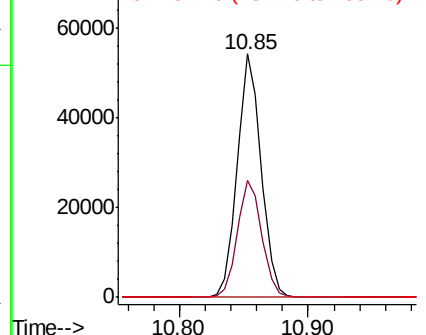
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX009793.D

Acq: 22 May 2019 10:23

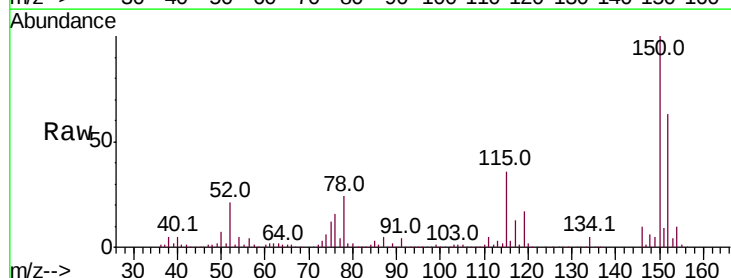
Tgt Ion:152 Resp: 136758

Ion Ratio Lower Upper

152 100

115 78.7 41.2 123.6

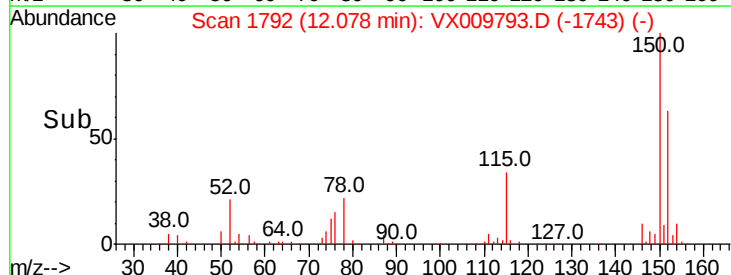
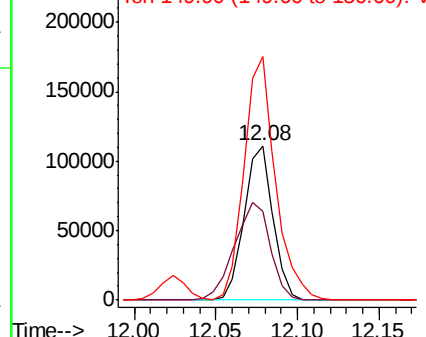
150 171.9 0.0 346.4

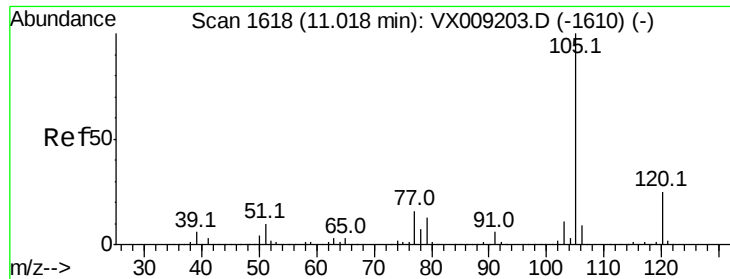


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





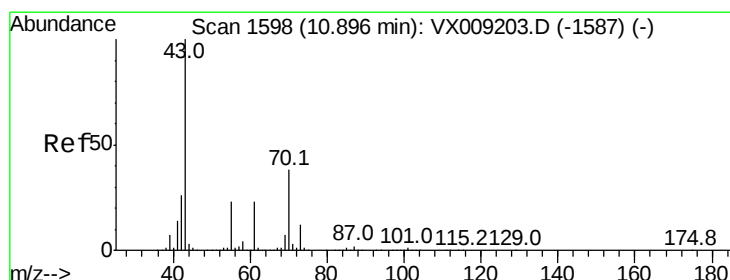
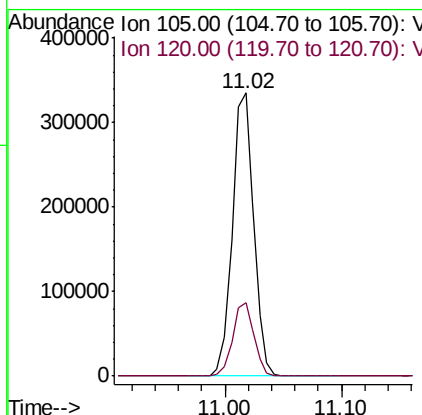
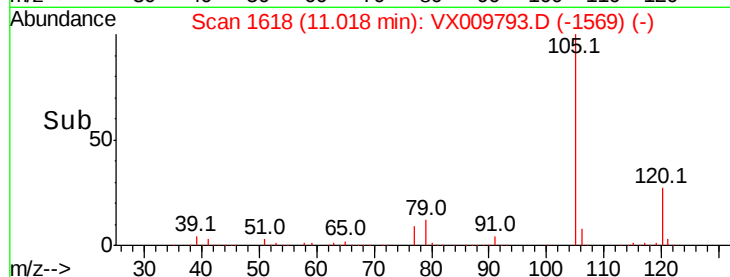
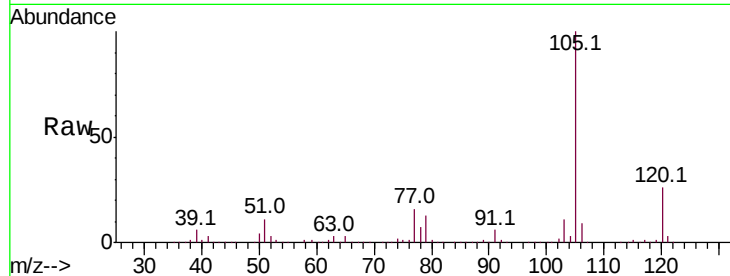
#73
Isopropylbenzene
Concen: 43.018 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.8	38.3

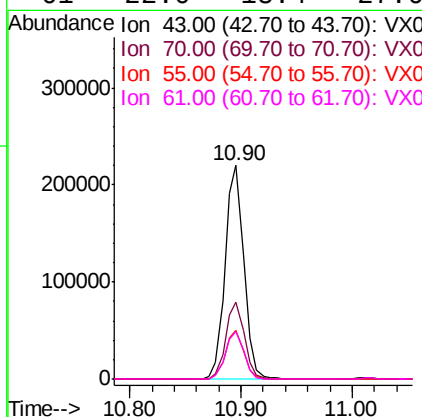
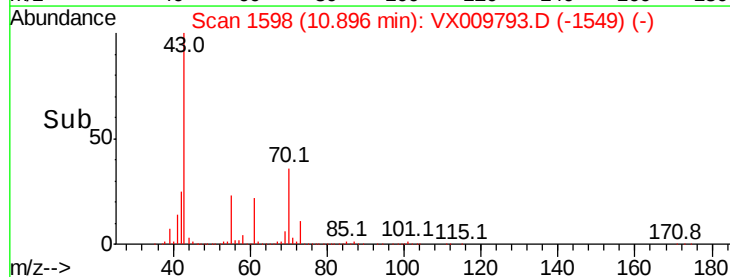
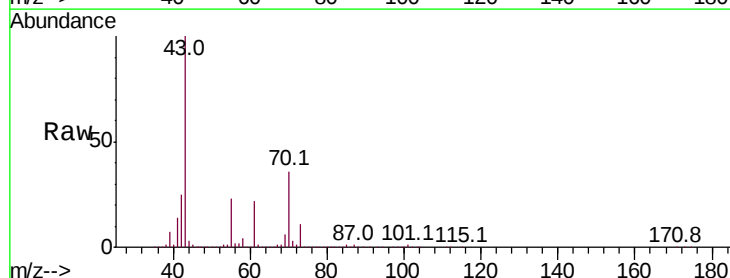
Manual Integrations
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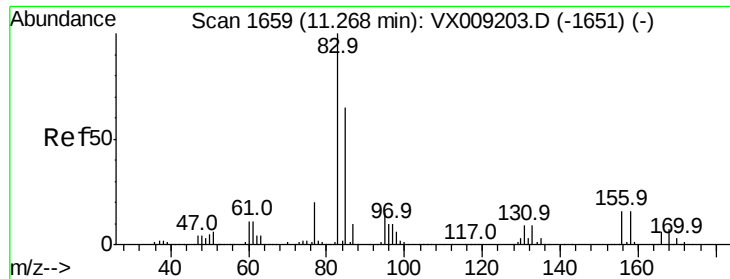
MMDadoda
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#74
N-ethyl acetate
Concen: 44.026 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.0	30.0	45.0
55	22.5	17.9	26.9
61	22.0	18.4	27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 41.405 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

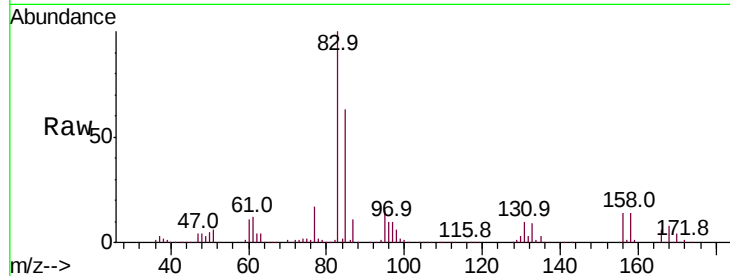
ClientSampleId :

VSTDCCC050

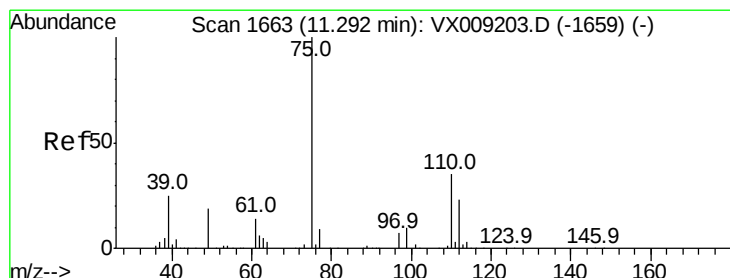
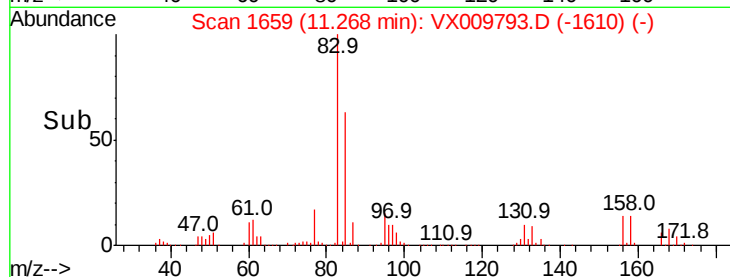
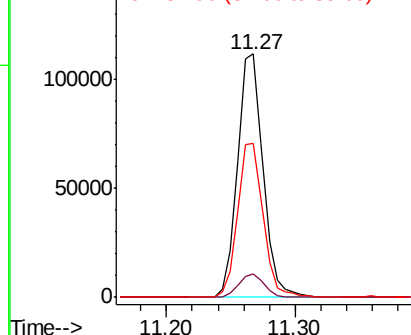
Tot Ion:	83	Resp:	153502
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	63.7	32.0	96.2

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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: 42.376 ug/l m

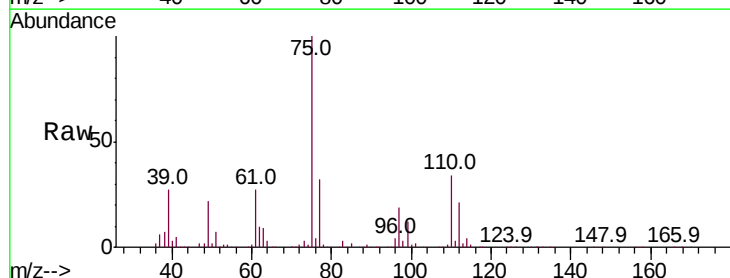
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

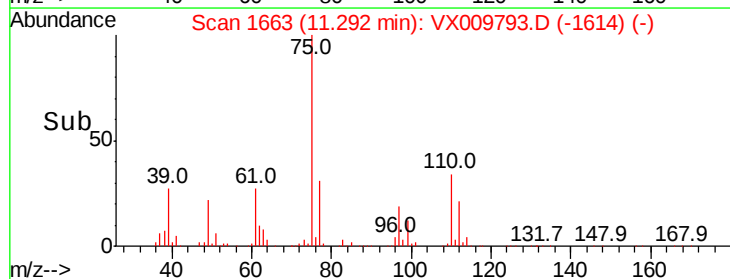
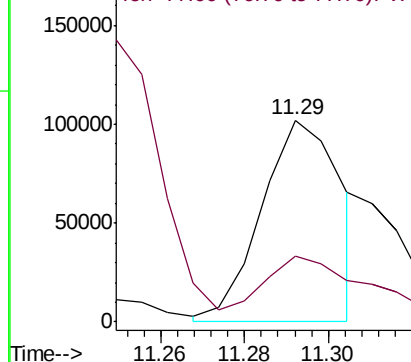
Lab File: VX009793.D

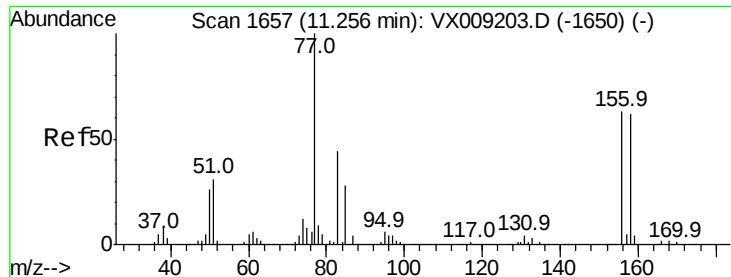
Acq: 22 May 2019 10:23

Tgt Ion:	75	Resp:	134428
Ion Ratio	Lower	Upper	
75	100		
77	43.8	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: 42.375 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

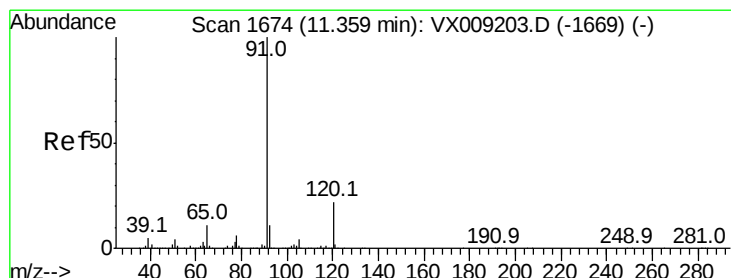
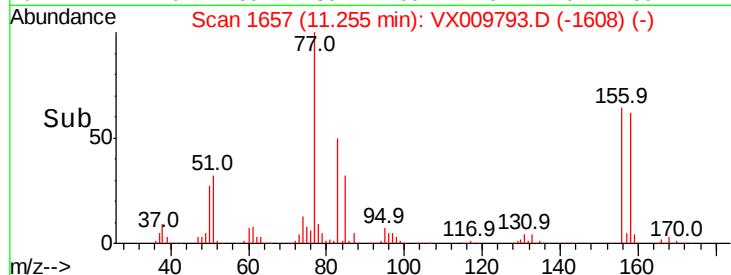
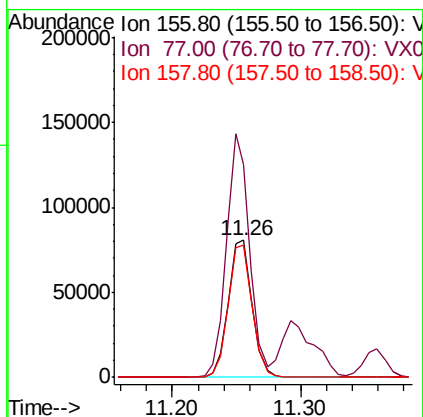
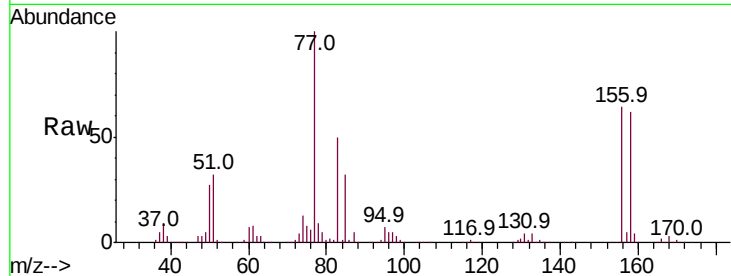
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	104598
Ion Ratio	Lower	Upper	
156	100		
77	171.5	84.8	254.3
158	97.1	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 44.786 ug/l

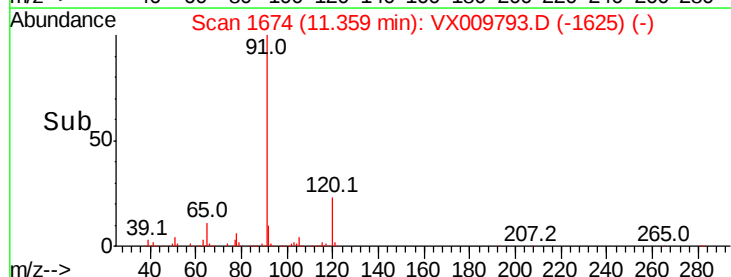
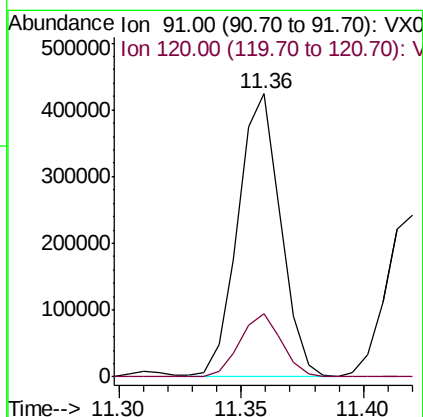
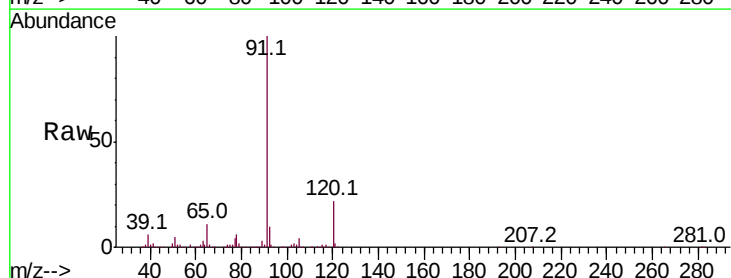
RT: 11.36 min Scan# 1674

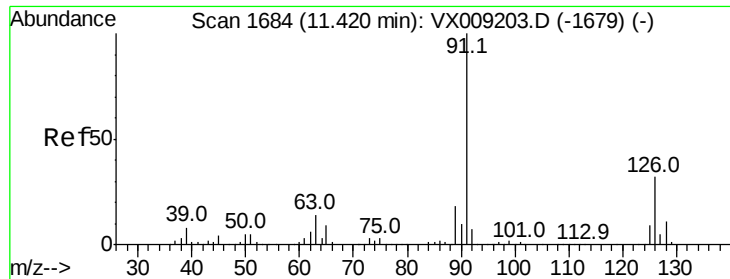
Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Tgt Ion:	91	Resp:	508664
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0





#79

2-Chlorotoluene

Concen: 42.762 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 299633

Ion Ratio Lower Upper

91 100

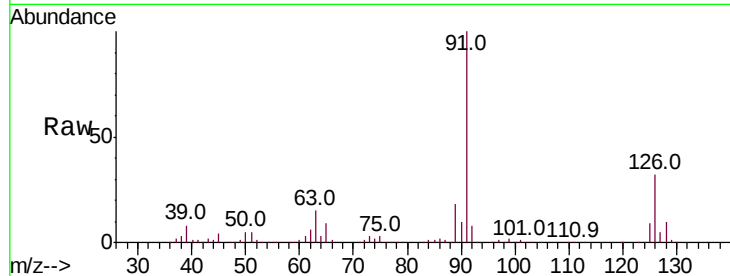
126 32.3 16.3 48.9

Manual Integrations

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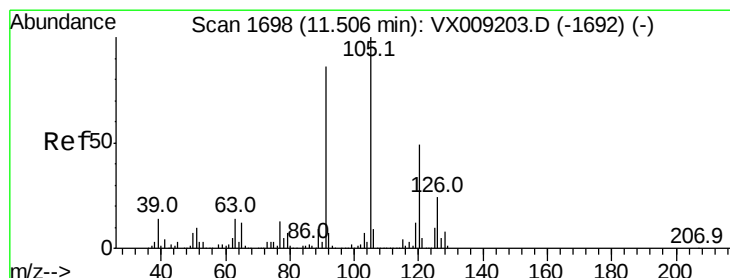
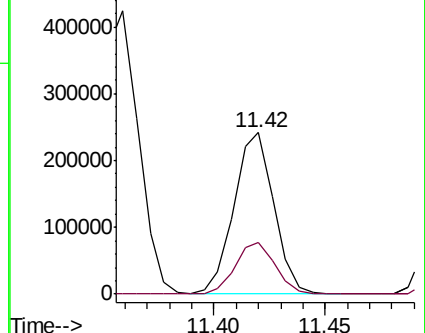
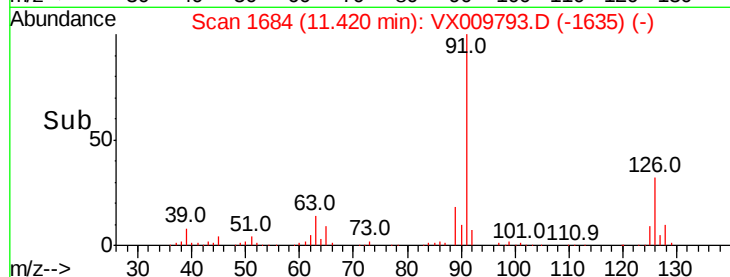
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Abundance Ion 91.00 (90.70 to 91.70): VX009793.D (-1635) (-)

Ion 125.90 (125.60 to 126.60): VX009793.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 44.239 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009793.D

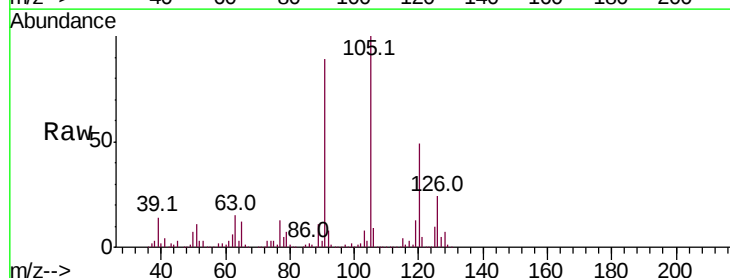
Acq: 22 May 2019 10:23

Tgt Ion:105 Resp: 370444

Ion Ratio Lower Upper

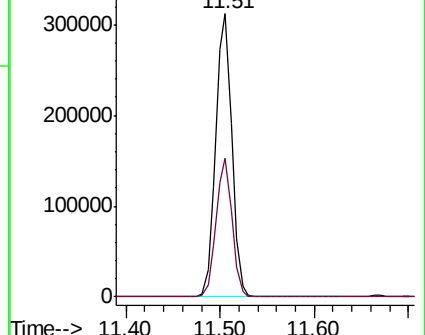
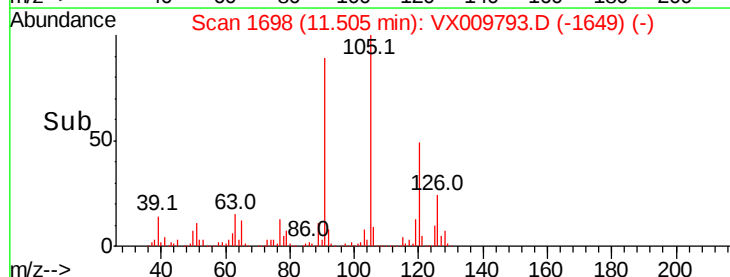
105 100

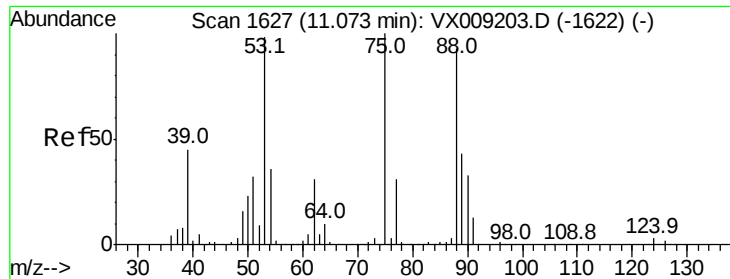
120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009793.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX009793.D (-1649) (-)





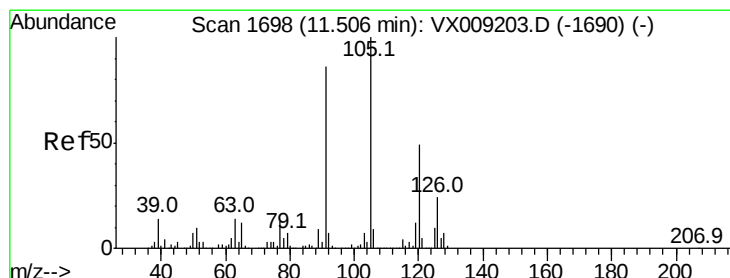
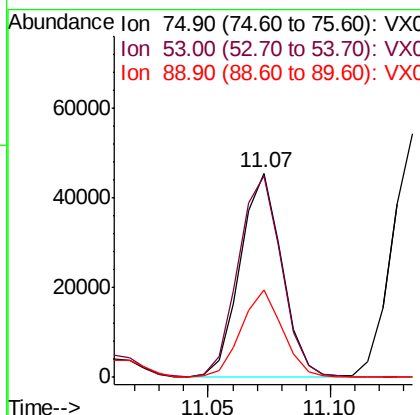
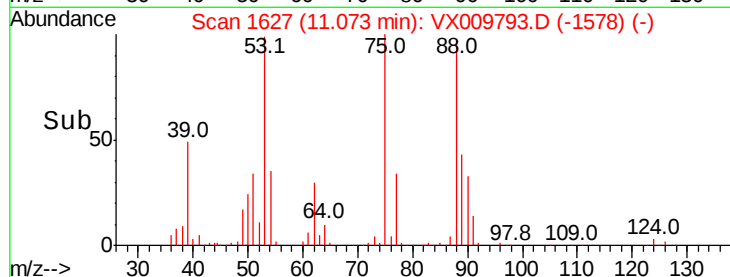
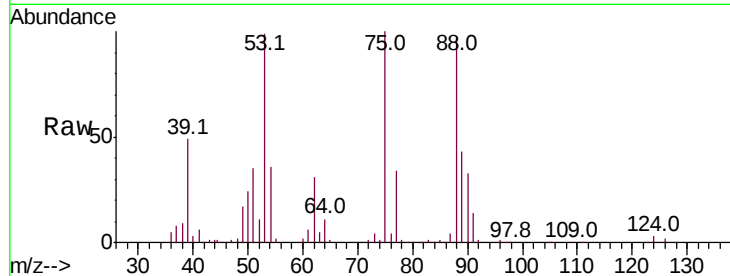
#81
trans-1,4-Dichloro-2-butene
Concen: 43.323 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.0	79.0	118.6
89	43.2	34.7	52.1

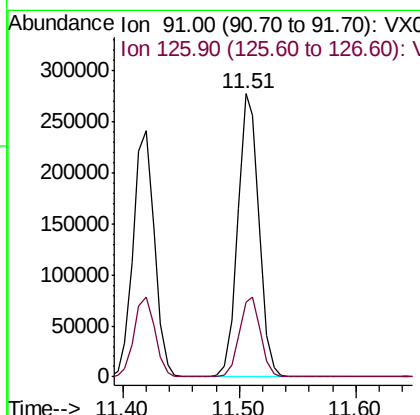
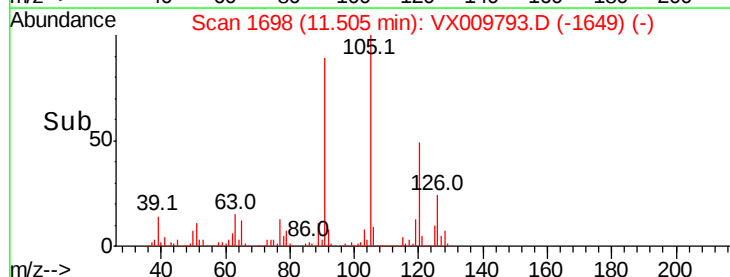
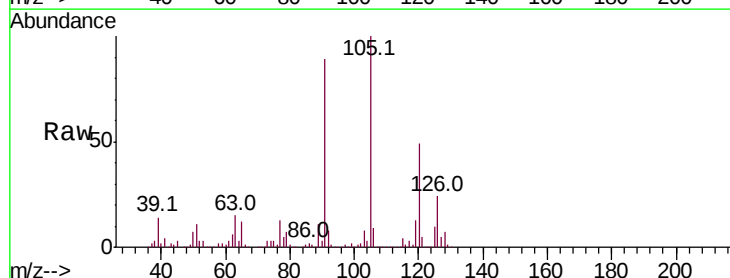
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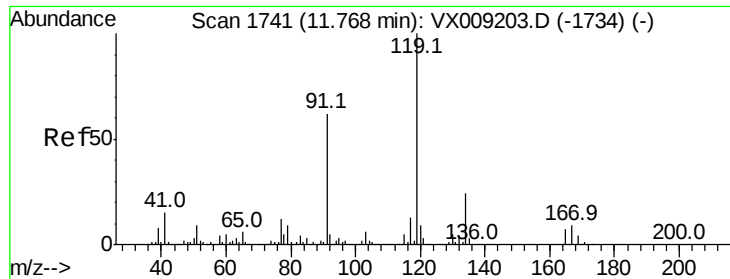
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#82
4-Chlorotoluene
Concen: 44.172 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.5	43.6





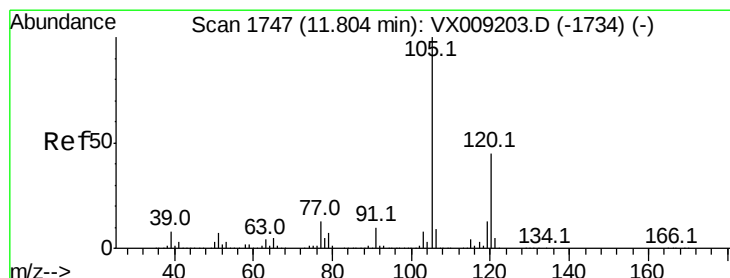
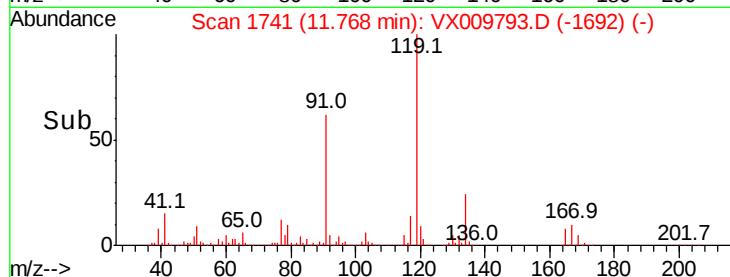
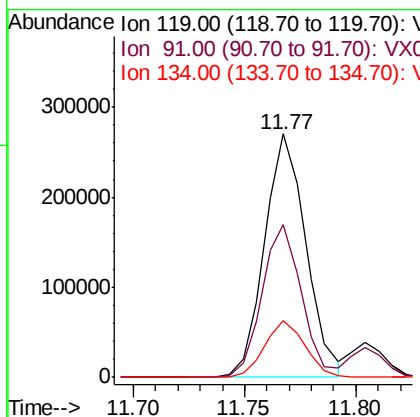
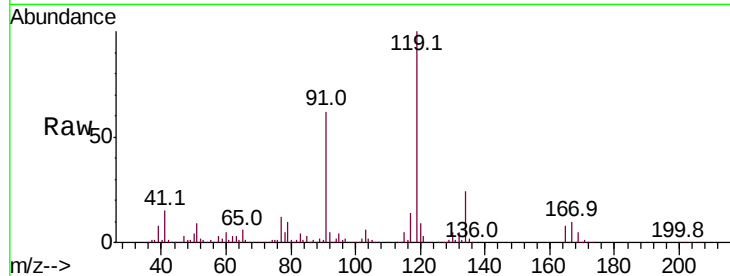
#83
tert-Butylbenzene
Concen: 42.880 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	60.2	29.5	88.5	
134	22.5	11.4	34.1	

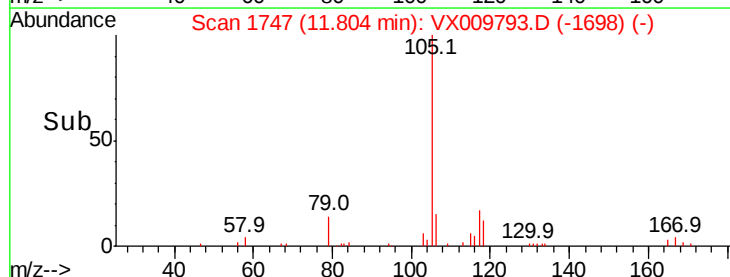
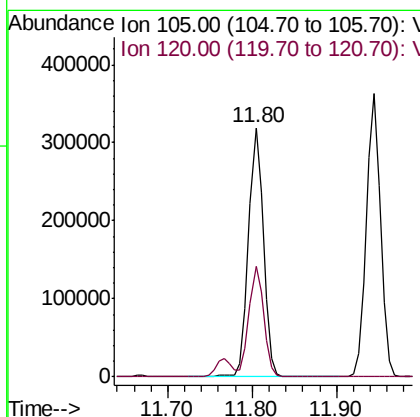
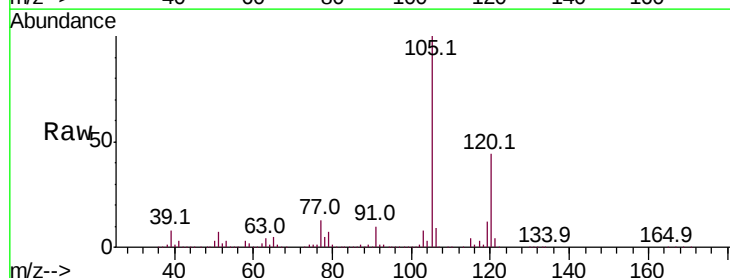
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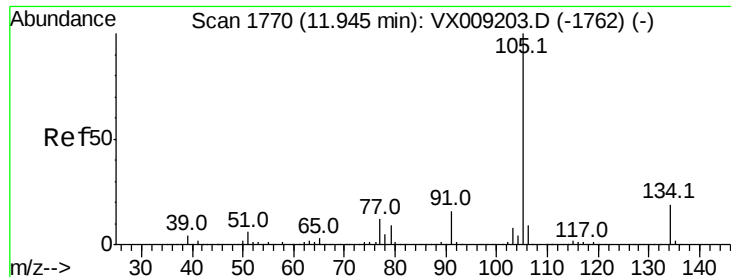
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#84
1,2,4-Trimethylbenzene
Concen: 44.362 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	44.3	22.0	66.0	





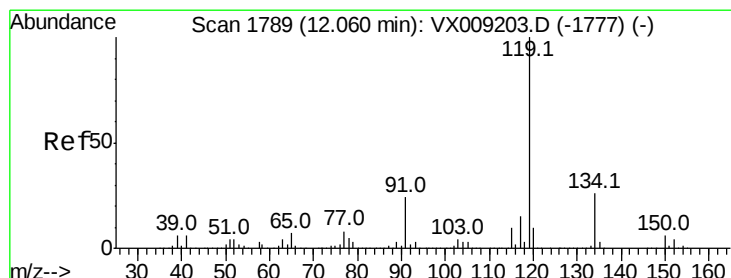
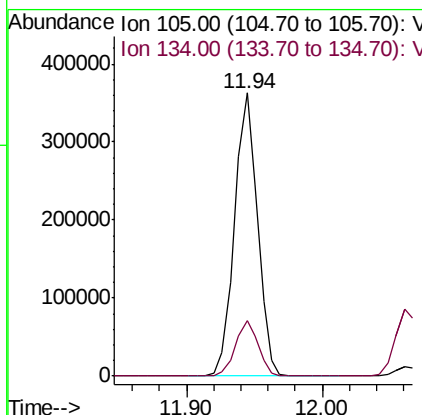
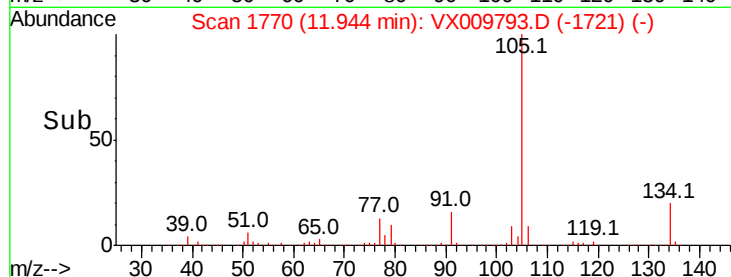
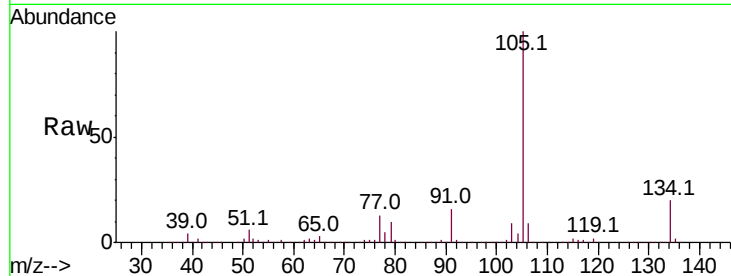
#85
 sec-Butylbenzene
 Concen: 44.037 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	28.9

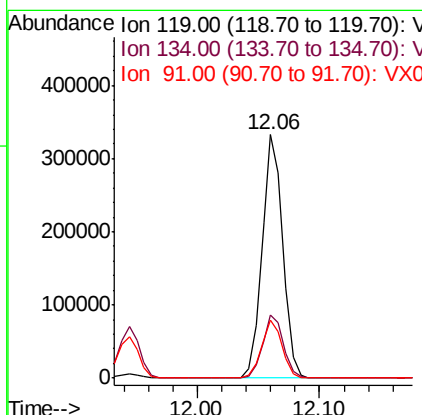
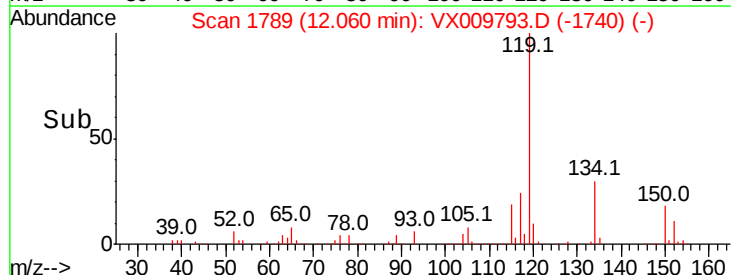
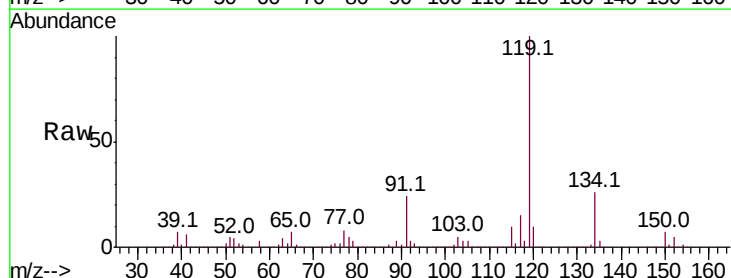
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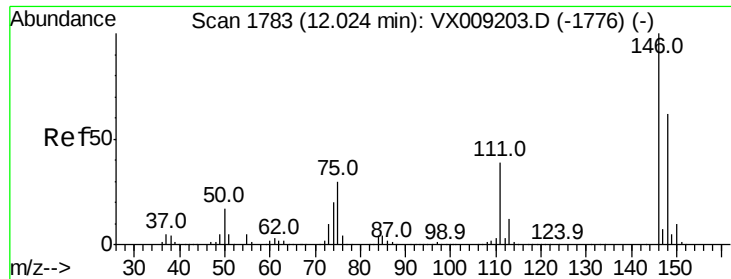
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#86
 p-Isopropyltoluene
 Concen: 45.231 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.7
91	23.6	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 43.377 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

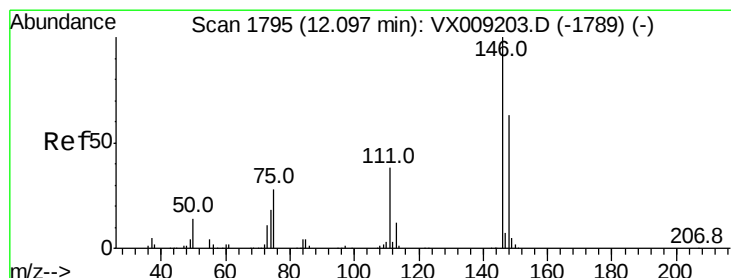
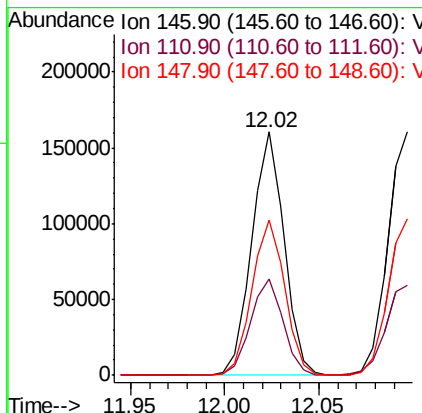
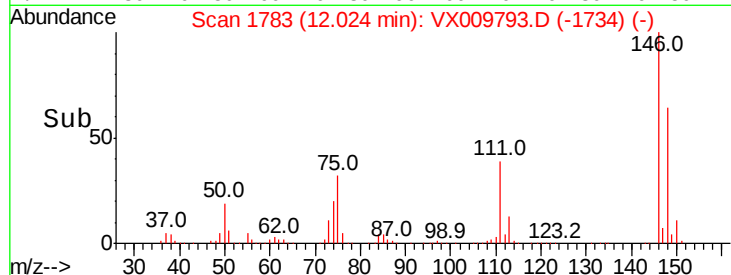
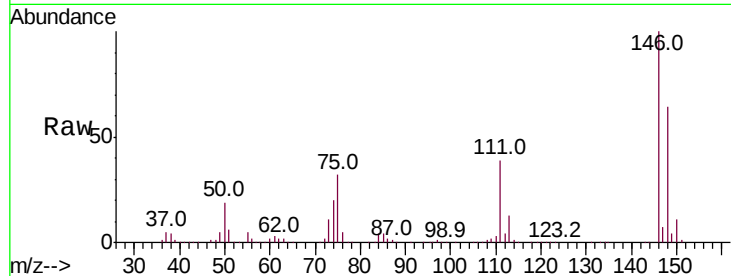
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	190873
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.0	59.9
148	64.8	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 43.558 ug/l

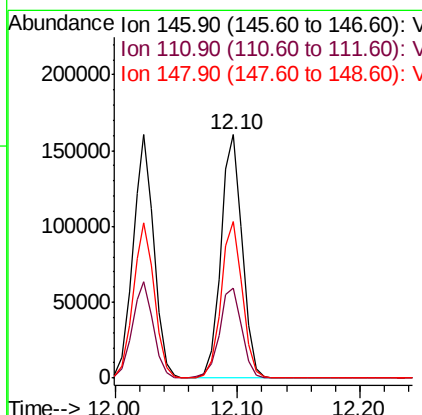
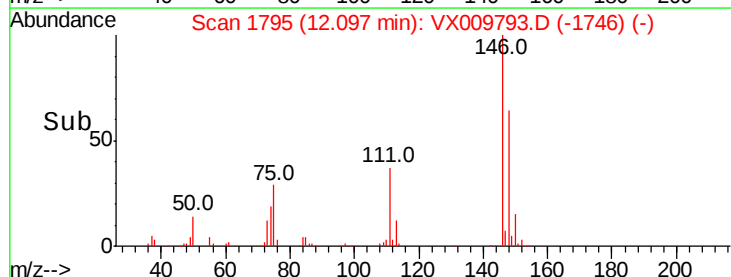
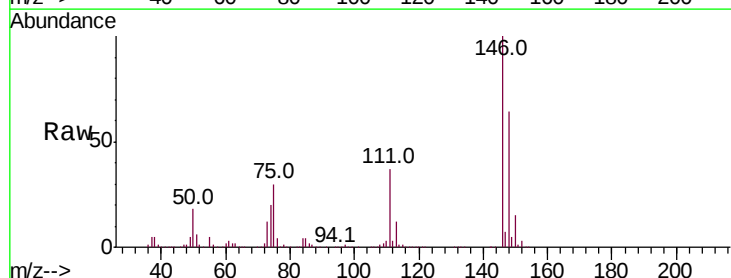
RT: 12.10 min Scan# 1795

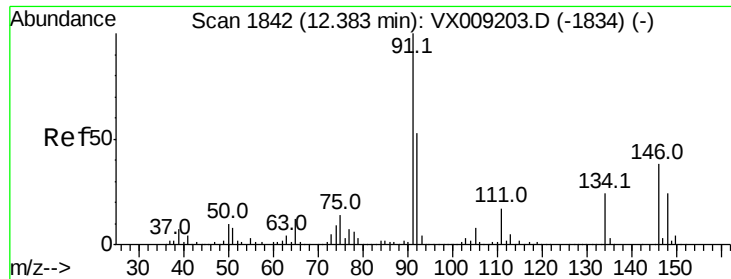
Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Tgt Ion:	146	Resp:	193236
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.6	58.8
148	63.8	31.8	95.3





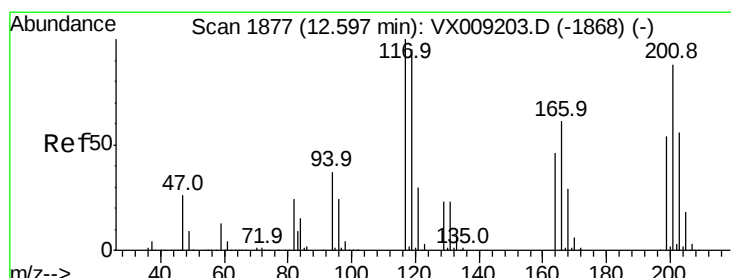
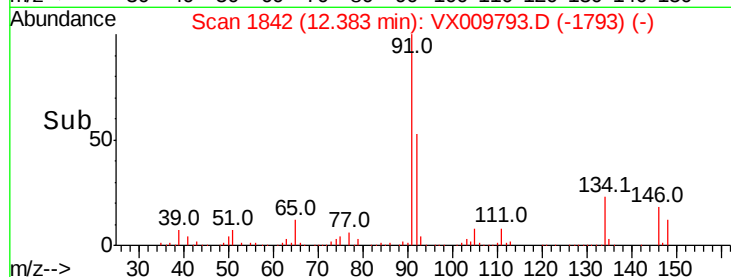
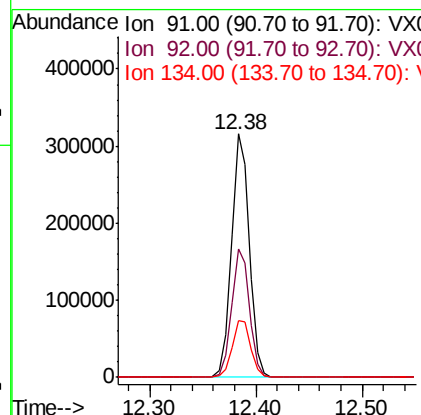
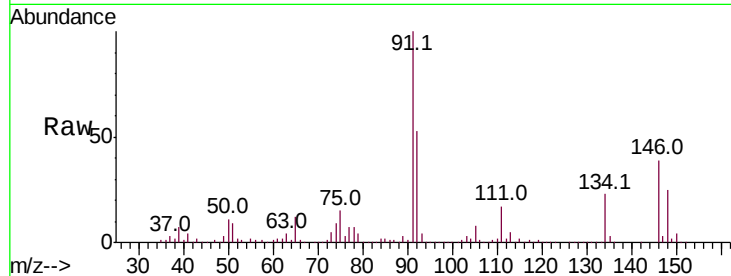
#89
n-Butylbenzene
Concen: 47.072 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	24.4	12.4	37.2

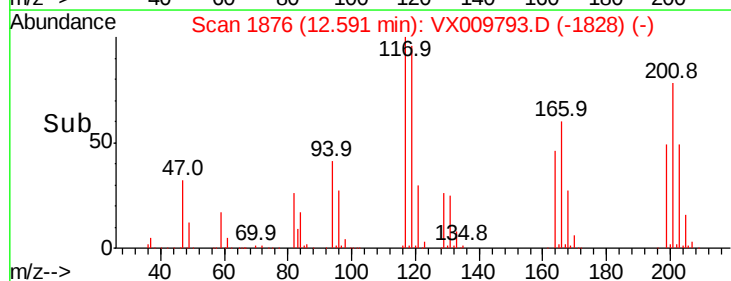
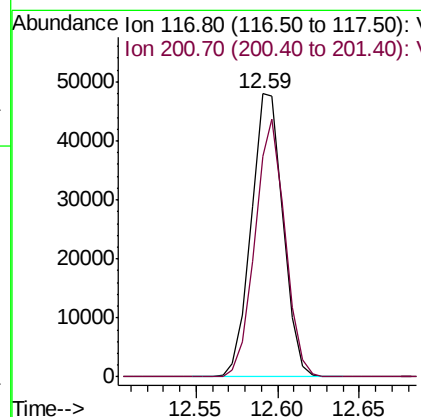
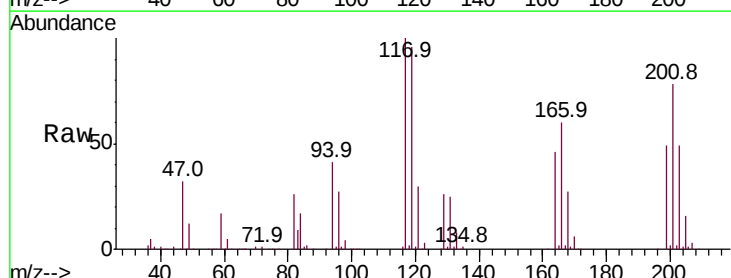
Manual Integrations
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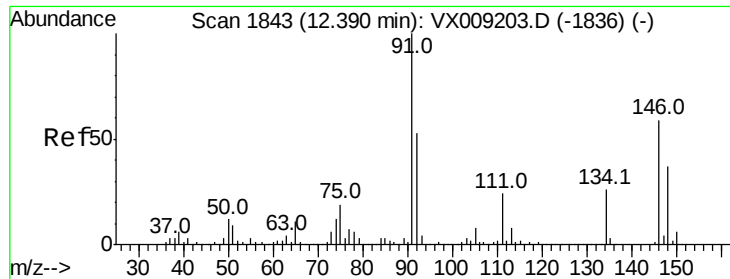
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#90
Hexachloroethane
Concen: 44.150 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	42.3	126.9





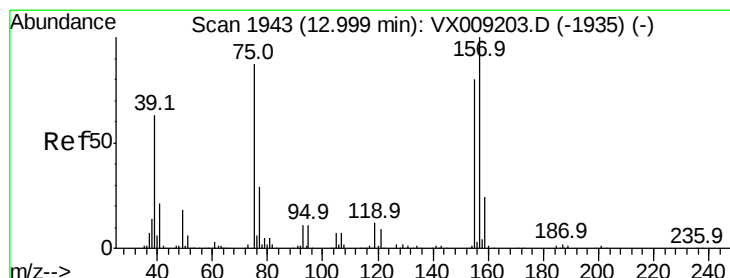
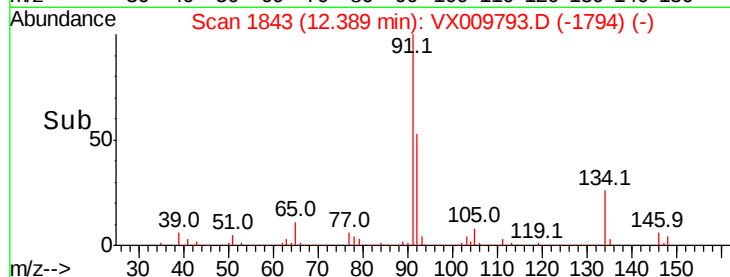
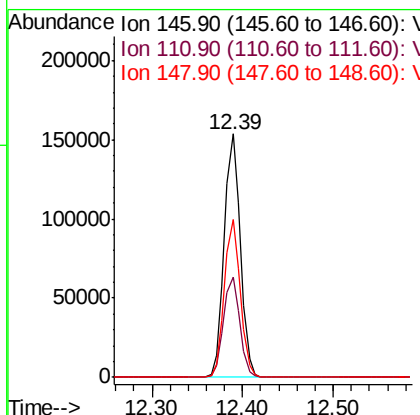
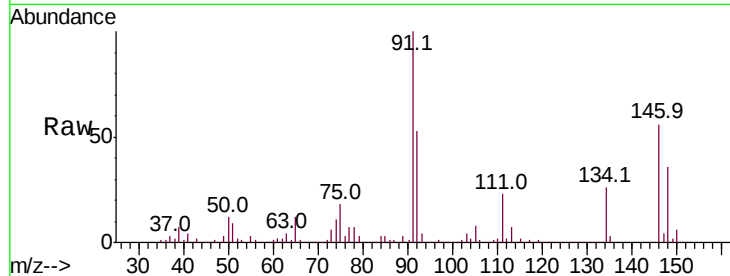
#91
 1,2-Dichlorobenzene
 Concen: 42.513 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	190540		
111	41.7	20.8	62.4	
148	63.8	31.9	95.9	

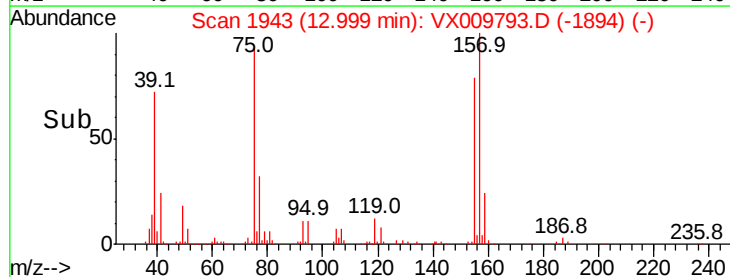
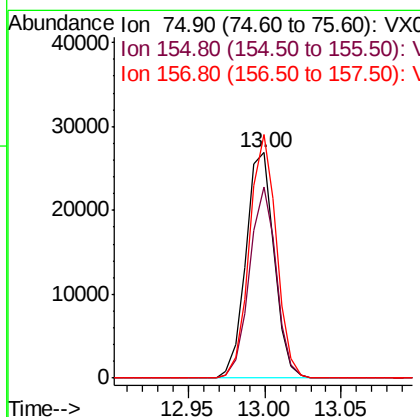
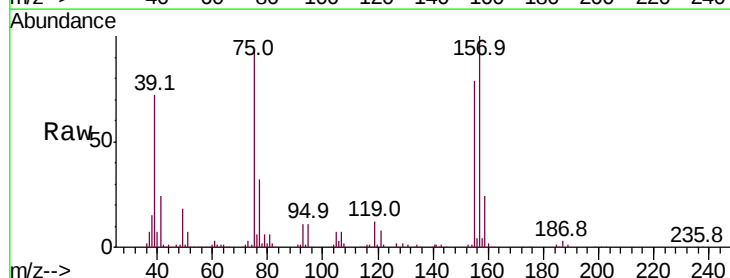
Manual Integrations
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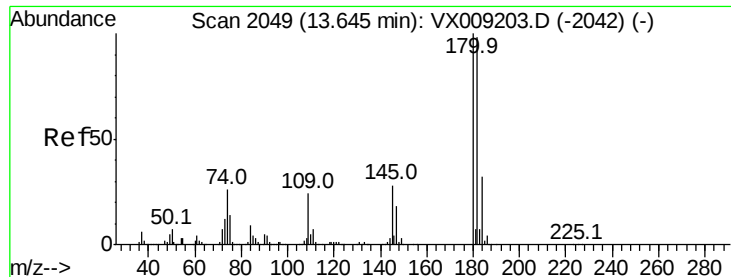
MMDadoda
 5/23/2019 10:43:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.583 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009793.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34583		
155	80.4	42.0	126.0	
157	102.8	53.2	159.6	





#93

1,2,4-Trichlorobenzene

Concen: 45.249 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX009793.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_X

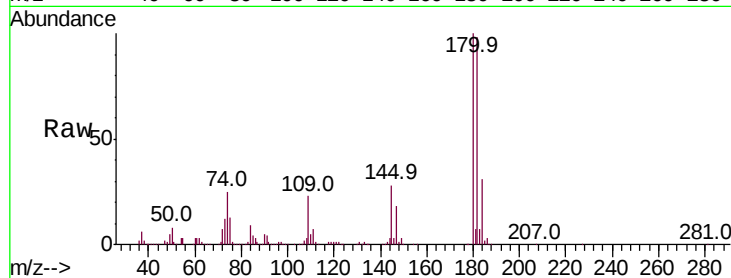
ClientSampleId :

VSTDCCC050

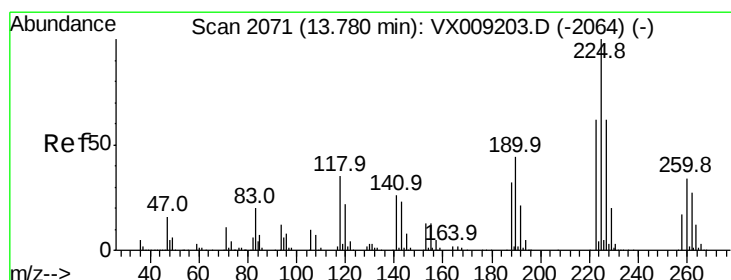
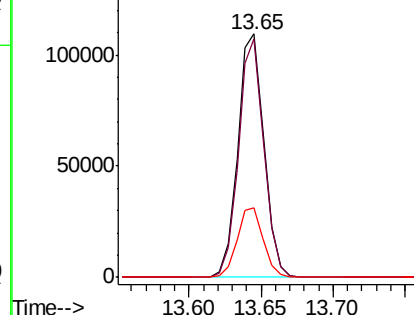
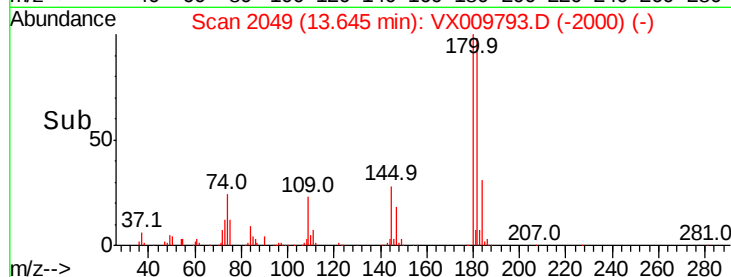
Tot Ion:	180	Resp:	138683
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.4	145.2
145	28.6	14.6	43.8

Manual Integrations
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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: 46.607 ug/l

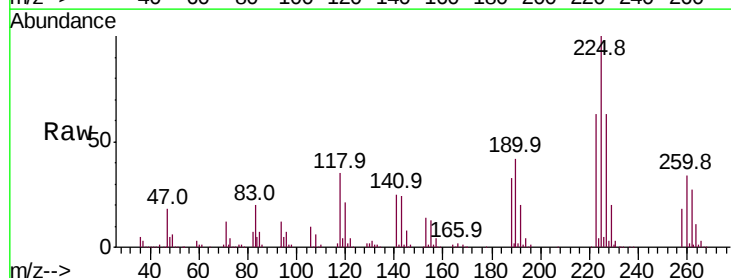
RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

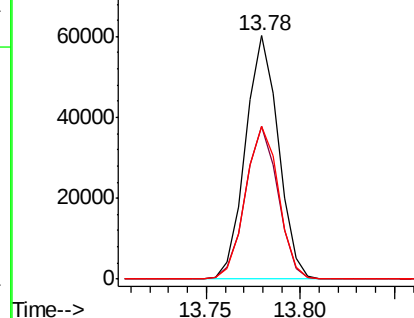
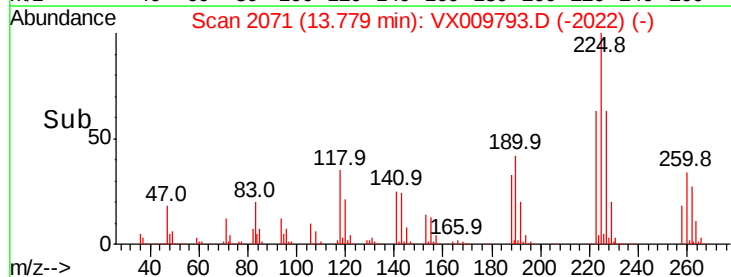
Lab File: VX009793.D

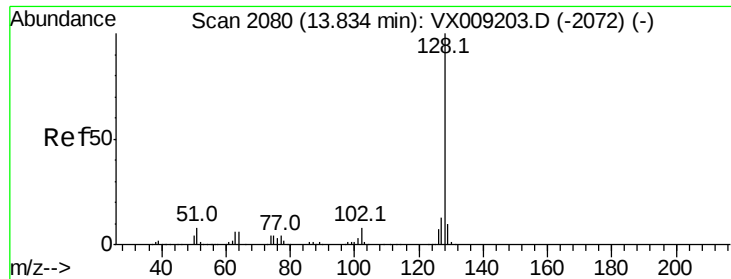
Acq: 22 May 2019 10:23

Tgt Ion:	225	Resp:	72945
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.3	93.8
227	63.2	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





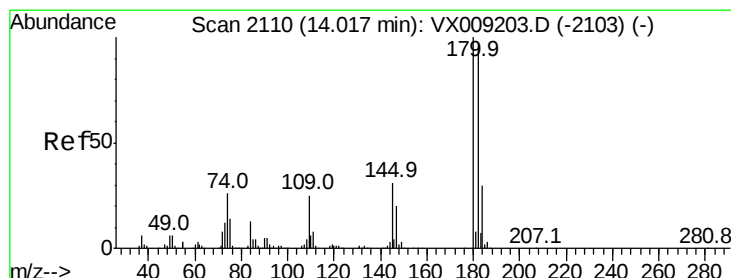
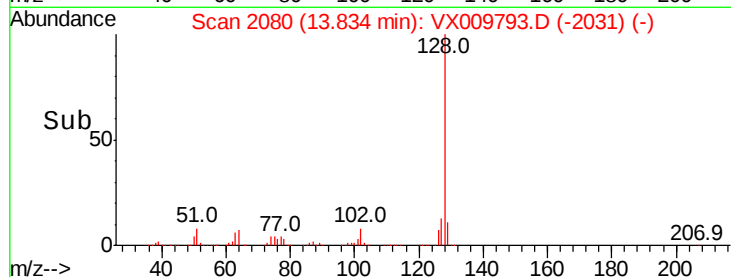
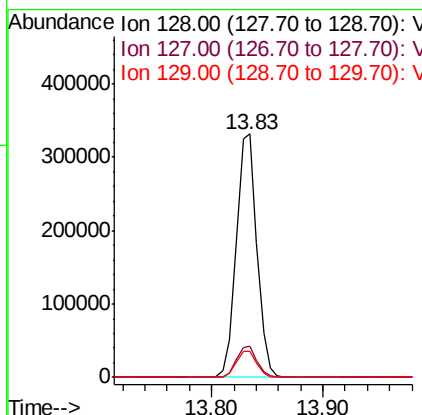
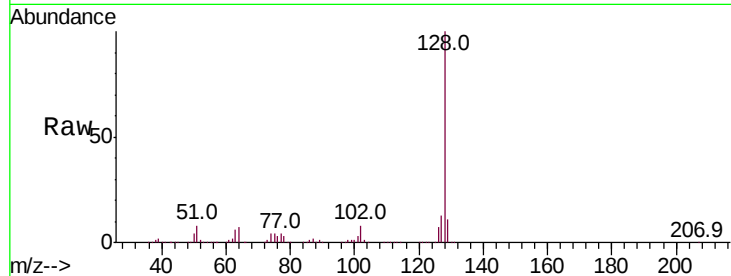
#95
Naphthalene
Concen: 42.387 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	422656		
127	12.9		10.4	15.6
129	11.0		8.6	13.0

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5/23/2019 10:43:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 43.986 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009793.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	136653		
182	95.2		47.8	143.4
145	31.2		15.4	46.4

