

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052119\
 Data File : VX009791.D
 Acq On : 22 May 2019 09:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 11:39:46 AM

Quant Time: May 22 10:37:07 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	5.67	168	152841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	255312	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	116183	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	109402	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
35) Dibromofluoromethane	5.50	113	79131	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	8.71	98	318756	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.13	95	116481	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	66279	47.058	ug/l	97
3) Chloromethane	1.32	50	101463	52.766	ug/l	100
4) Vinyl Chloride	1.41	62	98620	52.595	ug/l	100
5) Bromomethane	1.64	94	57025	50.669	ug/l	100
6) Chloroethane	1.71	64	63212	52.508	ug/l	99
7) Trichlorofluoromethane	1.92	101	120005	52.651	ug/l	99
8) Diethyl Ether	2.19	74	54249	50.247	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	69266	48.394	ug/l	99
10) Methyl Iodide	2.51	142	80362	48.477	ug/l	99
11) Tert butyl alcohol	3.05	59	126034	260.959	ug/l	99
12) 1,1-Dichloroethene	2.37	96	73401	51.183	ug/l	97
13) Acrolein	2.29	56	92013	210.369	ug/l	99
14) Allyl chloride	2.73	41	174175	49.837	ug/l	99
15) Acrylonitrile	3.14	53	306505	259.555	ug/l	100
16) Acetone	2.45	43	270011	241.006	ug/l	98
17) Carbon Disulfide	2.57	76	214978	53.393	ug/l	100
18) Methyl Acetate	2.78	43	131563	49.378	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	286511	51.448	ug/l	100
20) Methylene Chloride	2.85	84	90838	50.076	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	80252	51.600	ug/l	96
22) Diisopropyl ether	3.85	45	355796	52.937	ug/l	99
23) Vinyl Acetate	3.81	43	1561680	271.345	ug/l	99
24) 1,1-Dichloroethane	3.70	63	170281	51.358	ug/l	99
25) 2-Butanone	4.67	43	455518	261.644	ug/l	97
26) 2,2-Dichloropropane	4.59	77	74583	30.221	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	93654	50.449	ug/l	97
28) Bromochloromethane	5.02	49	90089	68.513	ug/l	97
29) Tetrahydrofuran	5.13	42	305055	272.293	ug/l	97
30) Chloroform	5.21	83	154639	51.568	ug/l	100
31) Cyclohexane	5.58	56	164566	53.349	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	128076	51.306	ug/l	99
36) 1,1-Dichloropropene	5.80	75	119742	50.468	ug/l	99
37) Ethyl Acetate	4.83	43	172734	52.252	ug/l	99
38) Carbon Tetrachloride	5.79	117	107187	49.723	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	140972	48.380	ug/l	98
40) Benzene	6.14	78	367566	50.057	ug/l	98
41) Methacrylonitrile	5.04	41	99015	50.317	ug/l	98
42) 1,2-Dichloroethane	6.19	62	134694	51.136	ug/l	99
43) Isopropyl Acetate	6.45	43	272007	51.440	ug/l	99
44) Trichloroethene	7.21	130	85192	47.991	ug/l	97
45) 1,2-Dichloropropane	7.51	63	103984	50.011	ug/l	98
46) Dibromomethane	7.66	93	59243	49.066	ug/l	99
47) Bromodichloromethane	7.90	83	121250	50.343	ug/l	98
48) Methyl methacrylate	7.77	41	137221	52.306	ug/l	98
49) 1,4-Dioxane	7.74	88	53325	1002.304	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	918997	265.896	ug/l	98
52) Toluene	8.78	92	223572	50.088	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	128460	47.242	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	142739	47.425	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	89217	48.993	ug/l	98
56) Ethyl methacrylate	9.18	69	165803	51.007	ug/l	96
57) 1,3-Dichloropropane	9.37	76	159802	49.868	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	418309	242.577	ug/l	99
59) 2-Hexanone	9.49	43	721568	265.822	ug/l	97
60) Dibromochloromethane	9.58	129	90051	50.632	ug/l	99
61) 1,2-Dibromoethane	9.67	107	92674	50.416	ug/l	99
64) Tetrachloroethene	9.34	164	82659	51.649	ug/l	98
65) Chlorobenzene	10.13	112	228000	48.851	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	83655	49.440	ug/l	99
67) Ethyl Benzene	10.25	91	429369	49.988	ug/l	99
68) m/p-Xylenes	10.36	106	316027	100.682	ug/l	98
69) o-Xylene	10.69	106	153911	49.697	ug/l	99
70) Styrene	10.71	104	269974	50.155	ug/l	98
71) Bromoform	10.85	173	69238	50.353	ug/l #	99
73) Isopropylbenzene	11.02	105	408534	48.355	ug/l	99
74) N-amyl acetate	10.90	43	251148	50.988	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	152139	48.305	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	131341m	48.735	ug/l	
77) Bromobenzene	11.26	156	102076	48.677	ug/l	100
78) n-propylbenzene	11.36	91	471181	48.833	ug/l	100
79) 2-Chlorotoluene	11.42	91	281561	47.299	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	347750	48.884	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	44479	42.228	ug/l	97
82) 4-Chlorotoluene	11.51	91	326086	48.489	ug/l	99
83) tert-Butylbenzene	11.77	119	327443	47.316	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	352057	49.304	ug/l	99
85) sec-Butylbenzene	11.94	105	392186	47.801	ug/l	100
86) p-Isopropyltoluene	12.06	119	353737	47.959	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	178478	47.743	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	181224	48.084	ug/l	100
89) n-Butylbenzene	12.38	91	317323	47.599	ug/l	99
90) Hexachloroethane	12.60	117	61740	49.133	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	182814	48.013	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34743	49.174	ug/l	97

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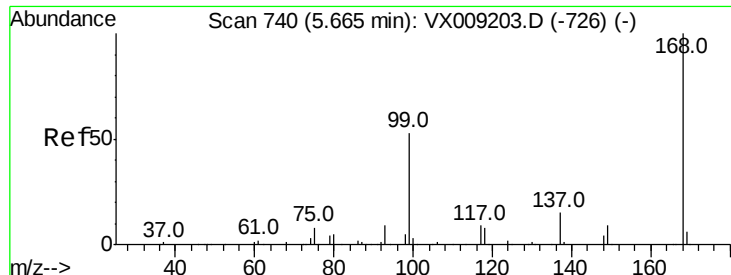
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	123388	47.388	ug/l	99
94) Hexachlorobutadiene	13.78	225	61557	46.296	ug/l	100
95) Naphthalene	13.83	128	411671	48.597	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	125973	47.729	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 152841

Ion Ratio Lower Upper

168 100

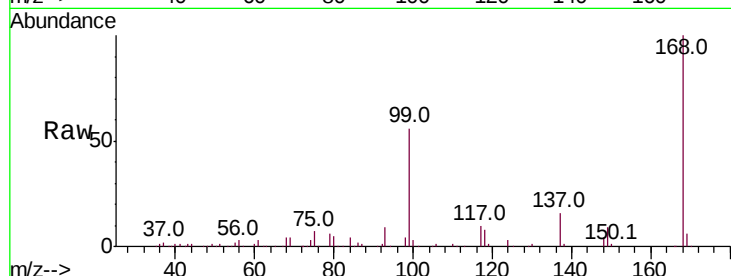
99 55.4 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

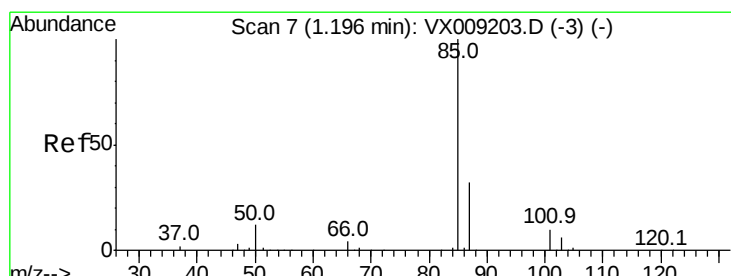
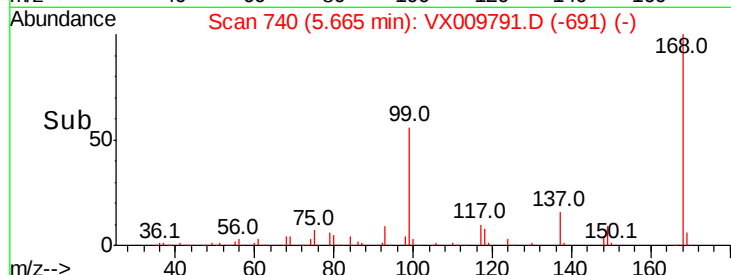
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.058 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009791.D

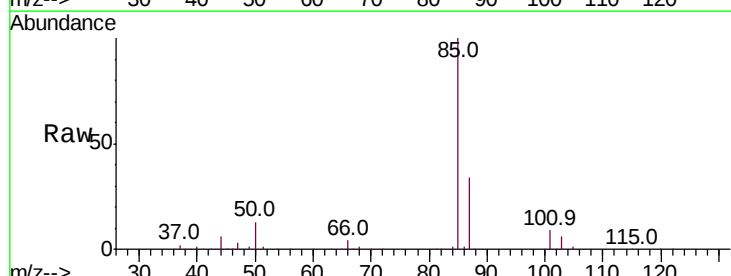
Acq: 22 May 2019 09:17

Tgt Ion: 85 Resp: 66279

Ion Ratio Lower Upper

85 100

87 33.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

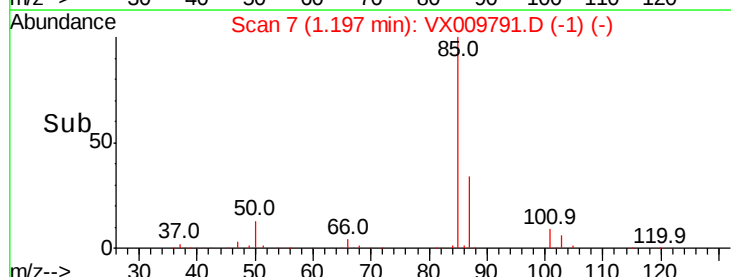
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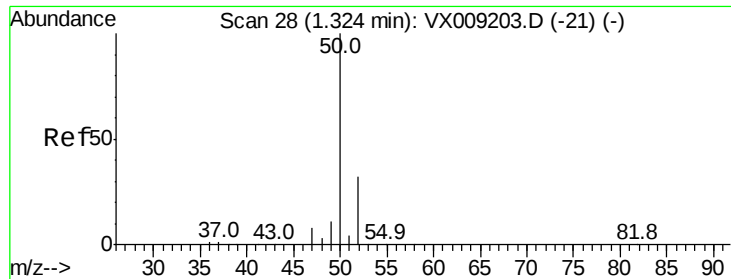
40000

20000

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Time-->





#3

Chloromethane

Concen: 52.766 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 101463

Ion Ratio Lower Upper

50 100

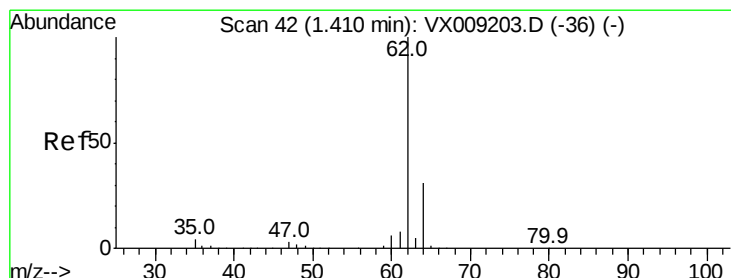
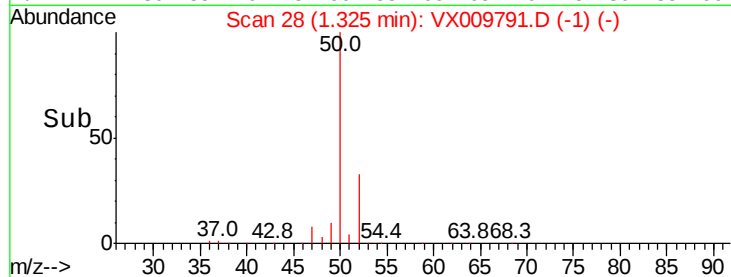
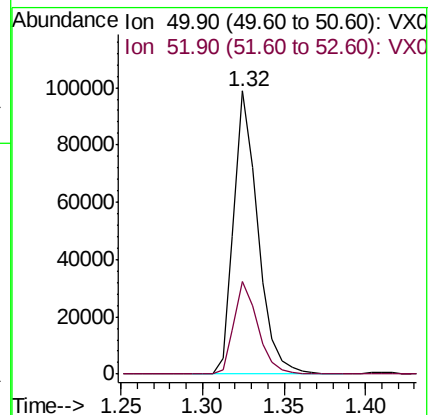
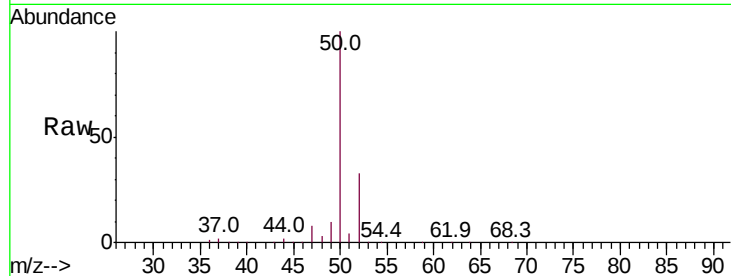
52 32.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.595 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009791.D

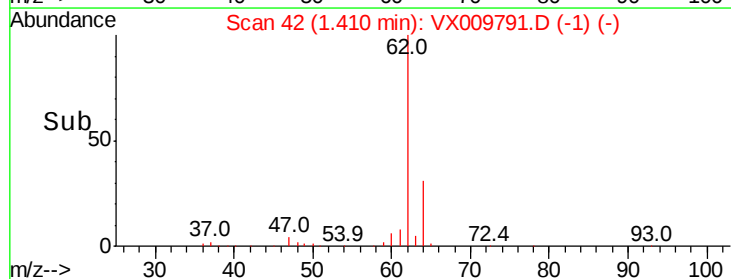
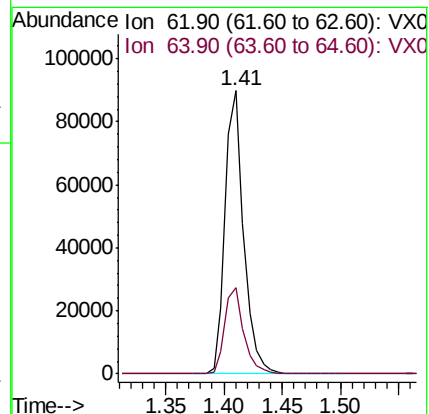
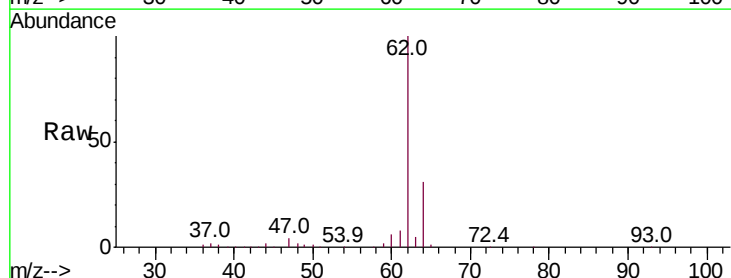
Acq: 22 May 2019 09:17

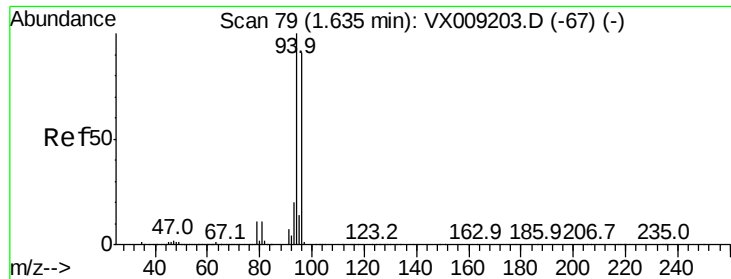
Tgt Ion: 62 Resp: 98620

Ion Ratio Lower Upper

62 100

64 30.5 24.6 36.8





#5

Bromomethane

Concen: 50.669 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 94 Resp: 57025

Ion Ratio Lower Upper

94 100

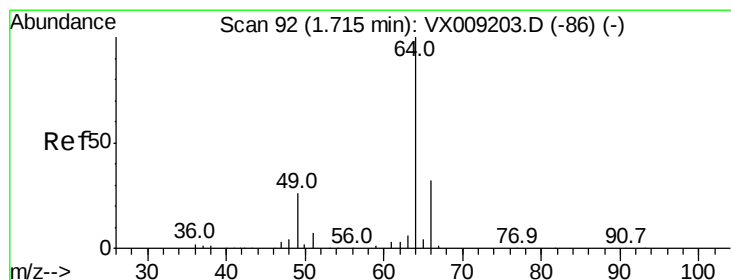
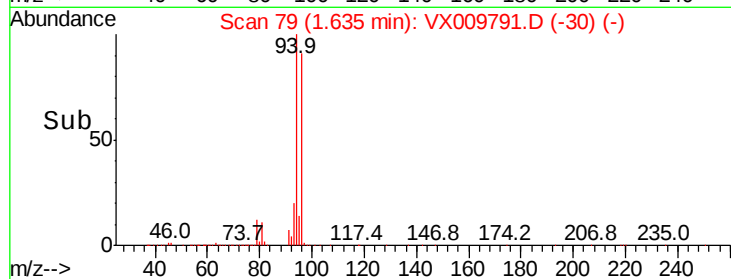
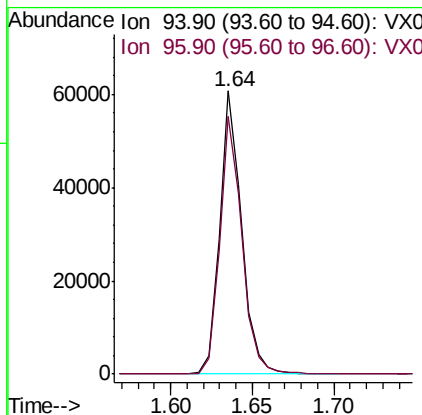
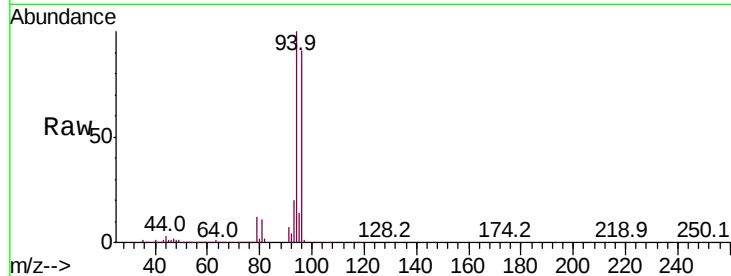
96 91.1 73.0 109.6

Manual Integrations

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#6

Chloroethane

Concen: 52.508 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009791.D

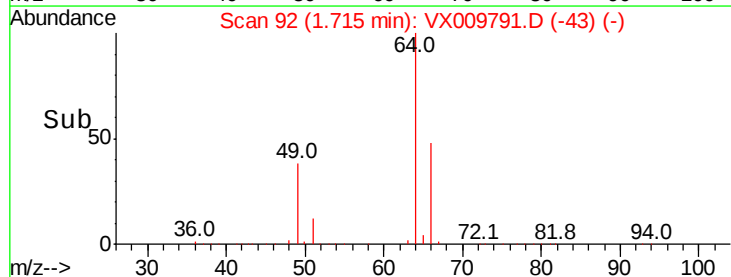
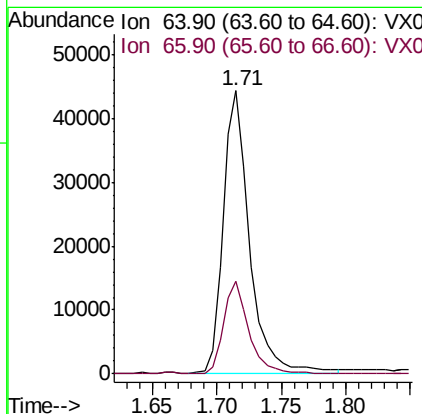
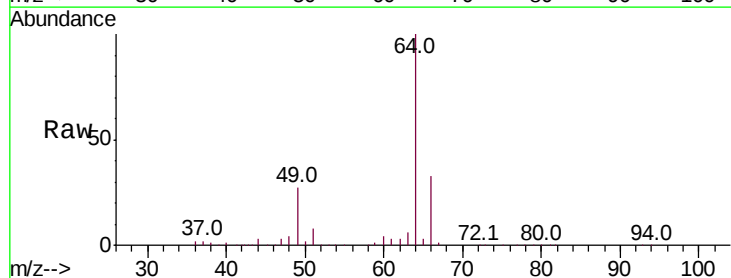
Acq: 22 May 2019 09:17

Tgt Ion: 64 Resp: 63212

Ion Ratio Lower Upper

64 100

66 32.3 25.3 37.9





#7

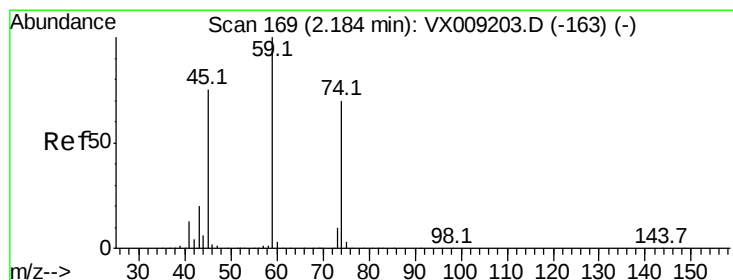
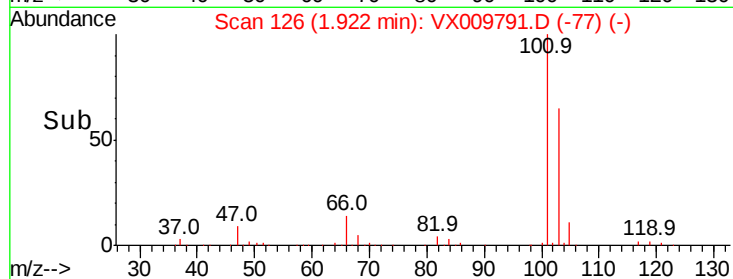
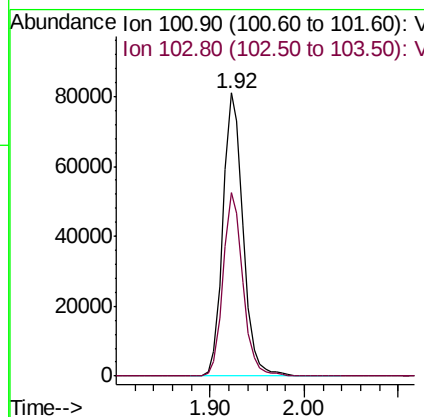
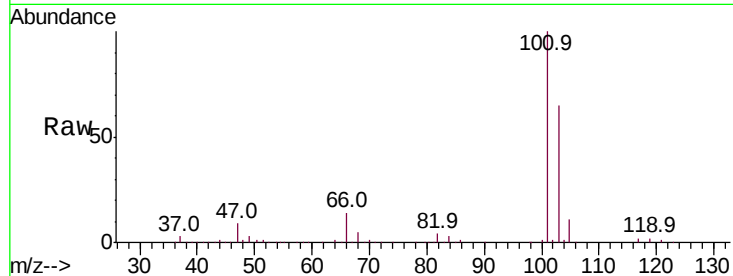
Trichlorofluoromethane
Concen: 52.651 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

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ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100	100	120005		
103	64.8	52.4	78.6		

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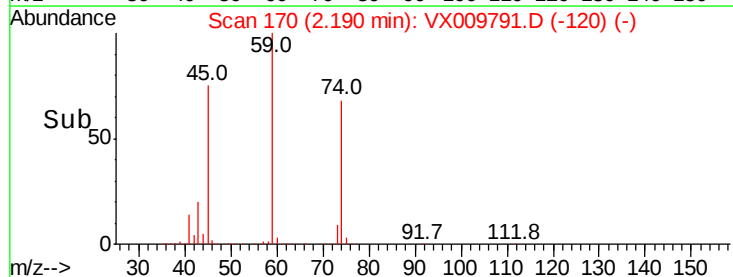
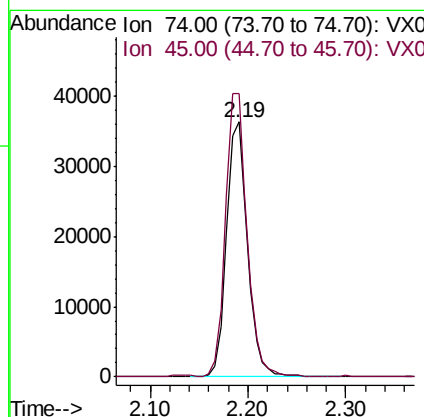
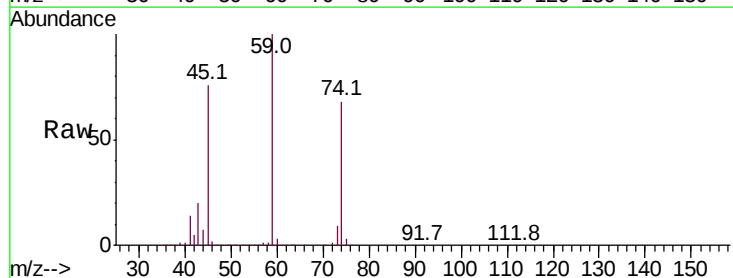
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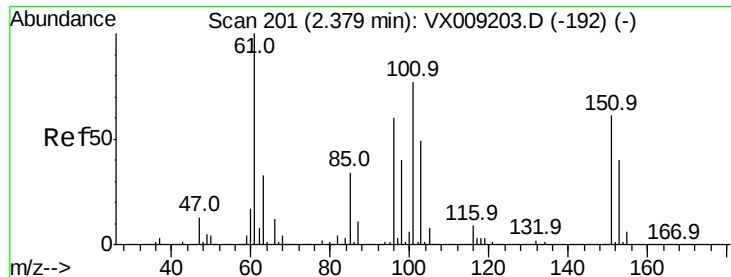


#8

Diethyl Ether
Concen: 50.247 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100	100	54249		
45	113.1	53.3	159.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.394 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

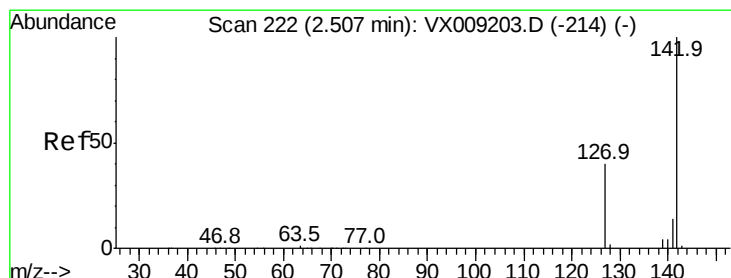
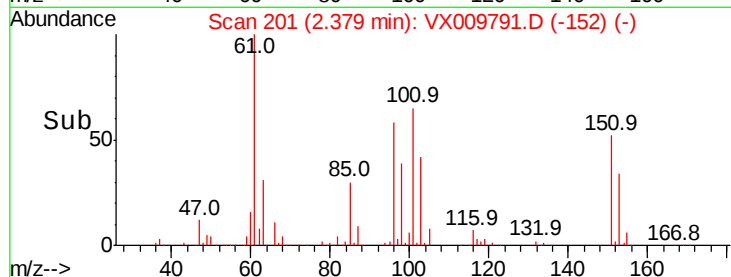
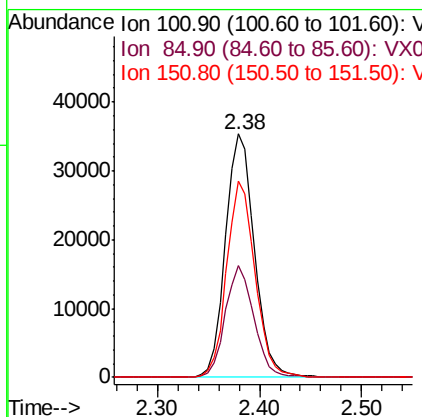
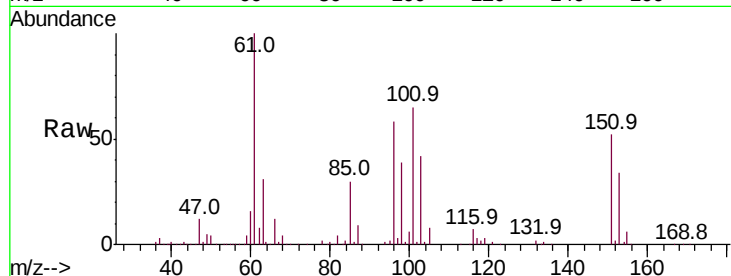
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	69266
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.7	53.5
151	79.1	62.2	93.2

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#10

Methyl Iodide

Concen: 48.477 ug/l

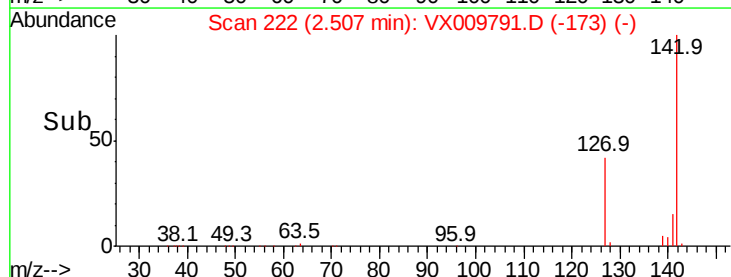
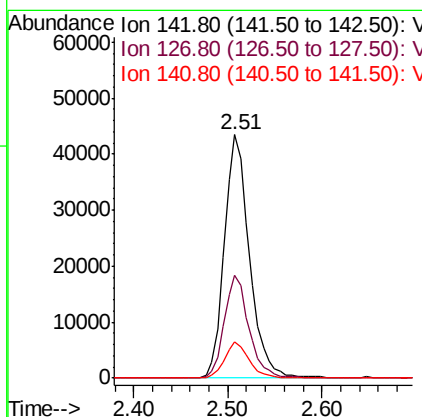
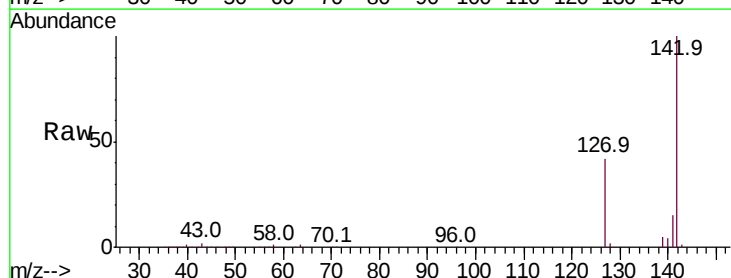
RT: 2.51 min Scan# 222

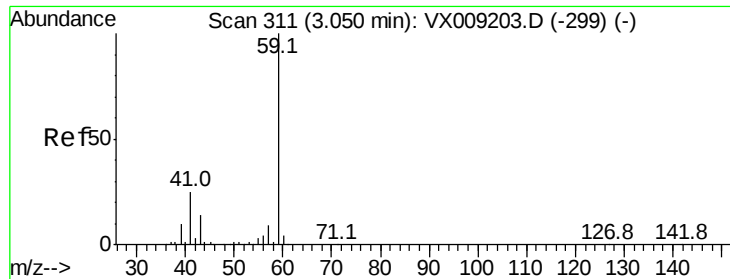
Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Tgt Ion:	142	Resp:	80362
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.7	49.1
141	14.6	11.5	17.3





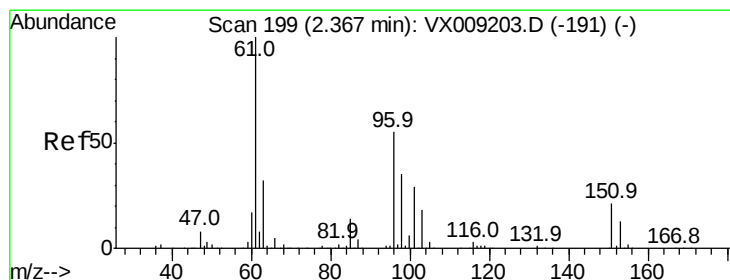
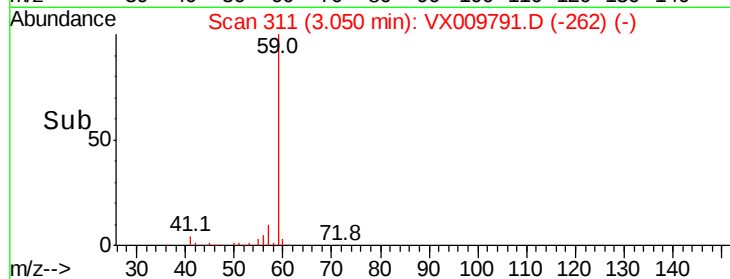
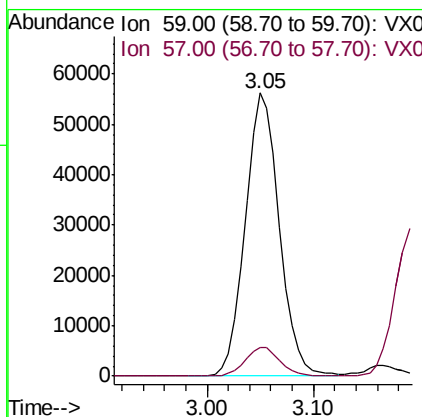
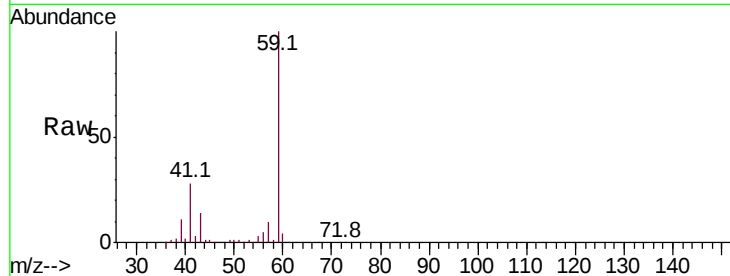
#11
Tert butyl alcohol
Concen: 260.959 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	126034
Ion Ratio	100	Lower	Upper
57	10.4	8.2	12.2

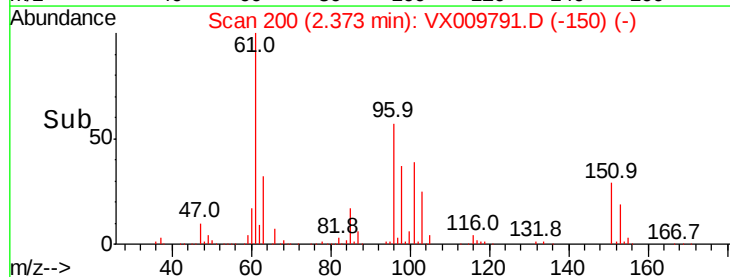
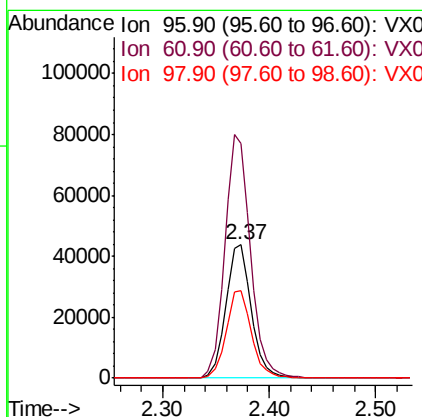
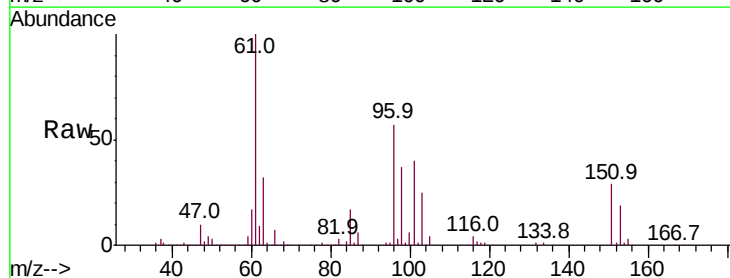
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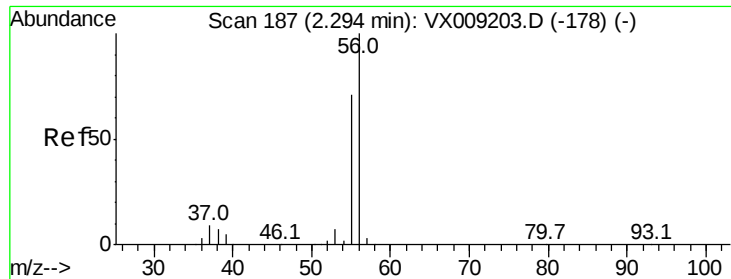
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5/22/2019 11:39:46 AM



#12
1,1-Dichloroethene
Concen: 51.183 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	96	Resp	73401
Ion Ratio	100	Lower	Upper
61	176.2	144.3	216.5
98	65.2	50.3	75.5





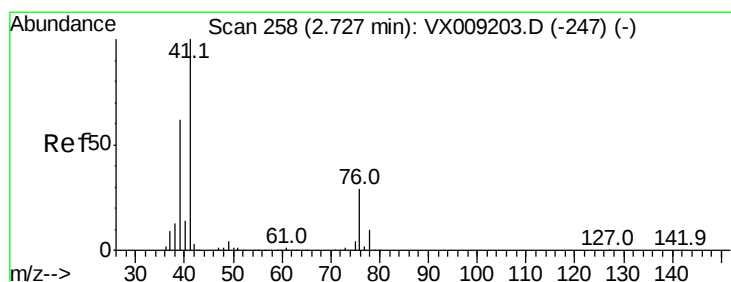
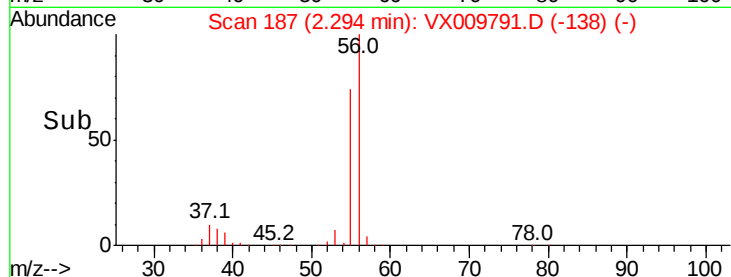
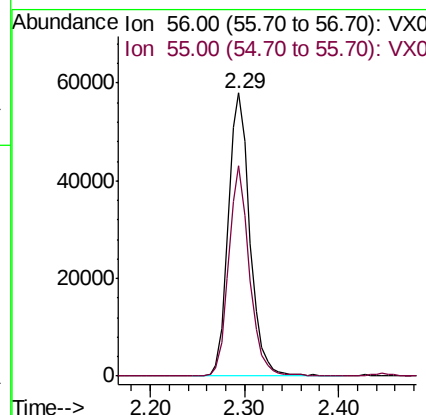
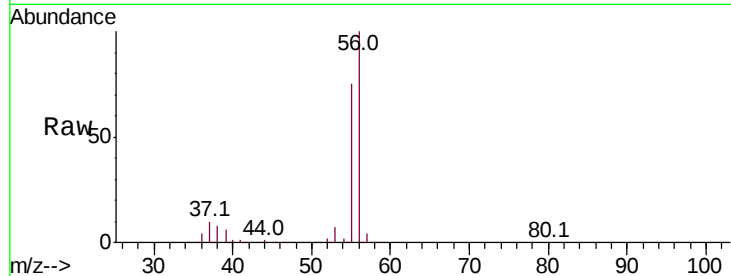
#13
Acrolein
Concen: 210.369 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.6	85.0

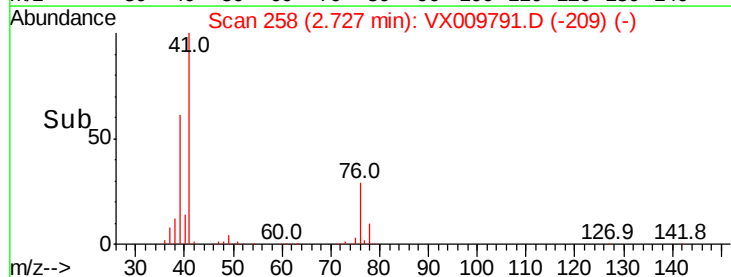
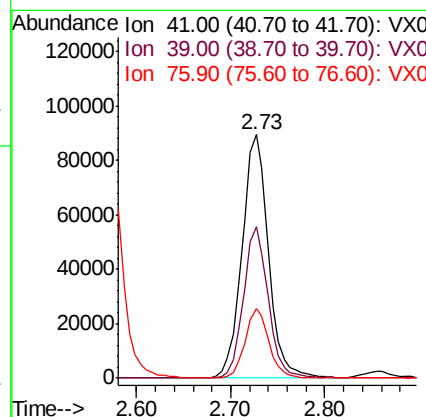
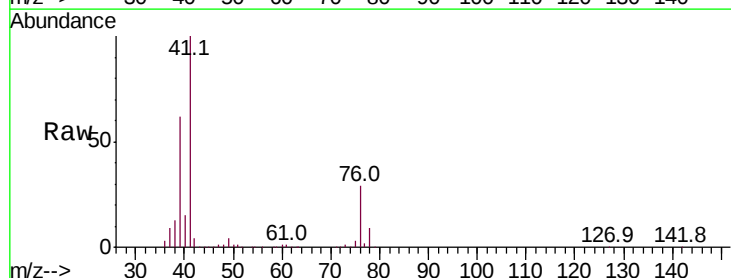
Manual Integrations
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#14
Allyl chloride
Concen: 49.837 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.6	46.7	70.1
76	26.0	21.8	32.8





#15

Acrylonitrile

Concen: 259.555 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

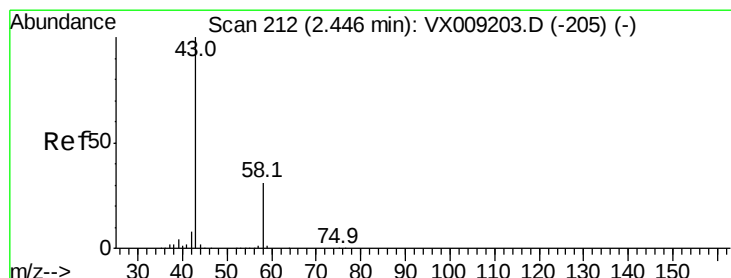
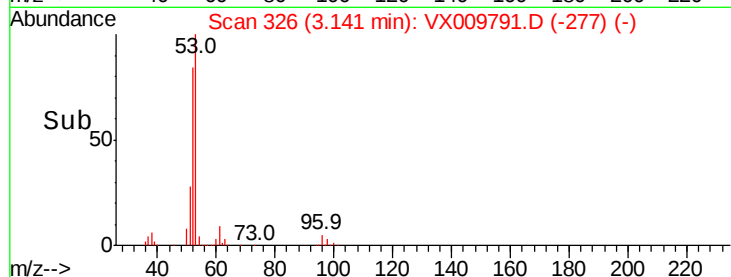
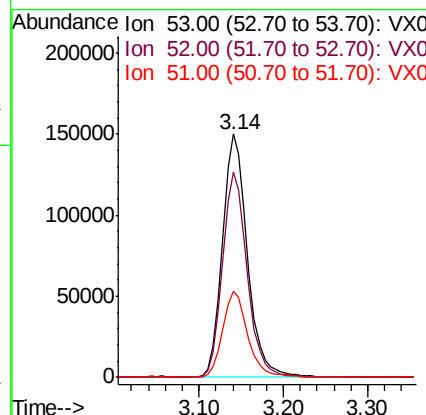
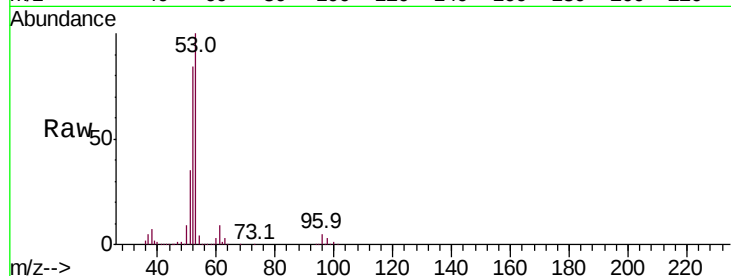
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	306505
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.9	100.3
51	35.7	28.2	42.2

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#16

Acetone

Concen: 241.006 ug/l

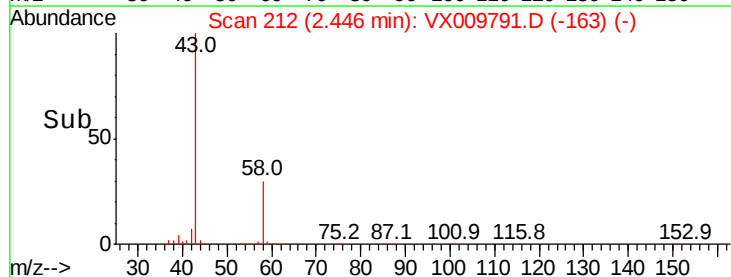
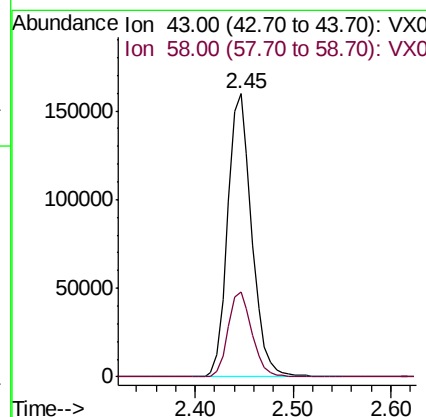
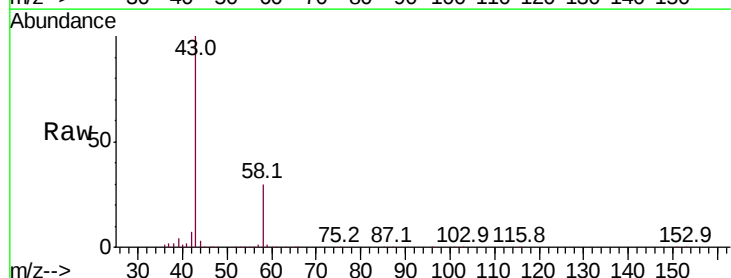
RT: 2.45 min Scan# 212

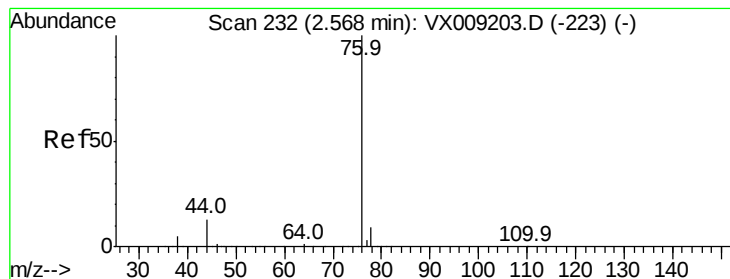
Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Tgt Ion	43	Resp	270011
Ion Ratio	Lower	Upper	
43	100		
58	29.8	24.9	37.3





#17

Carbon Disulfide

Concen: 53.393 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 214978

Ion Ratio Lower Upper

76 100

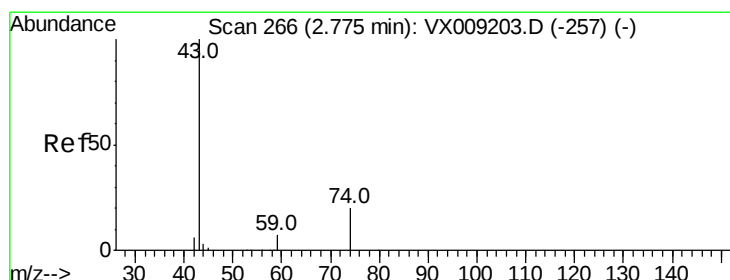
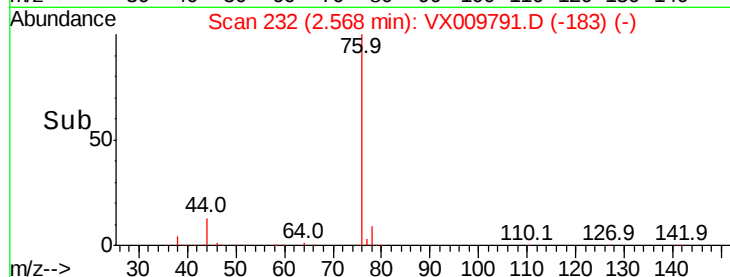
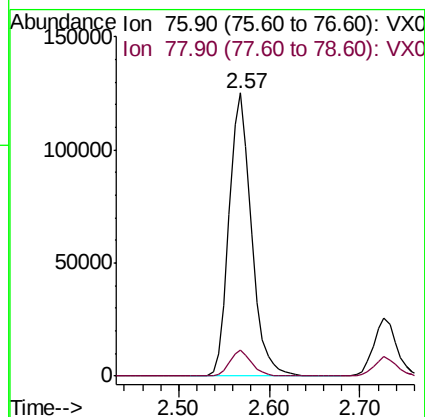
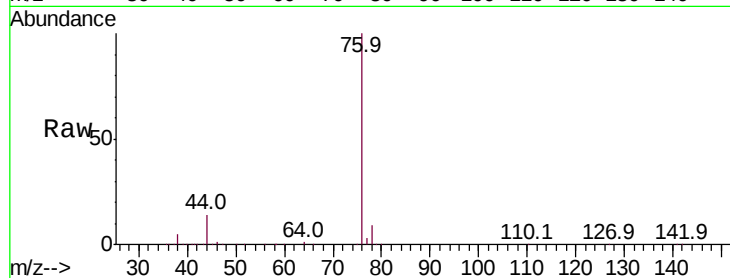
78 9.2 7.4 11.0

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#18

Methyl Acetate

Concen: 49.378 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009791.D

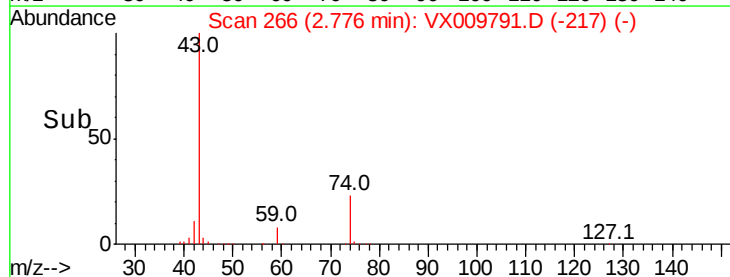
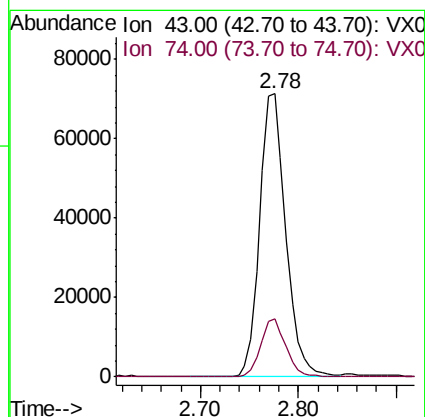
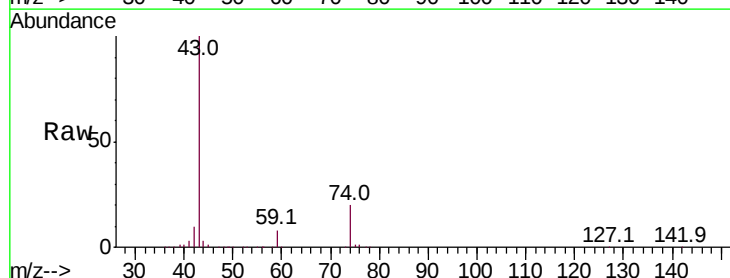
Acq: 22 May 2019 09:17

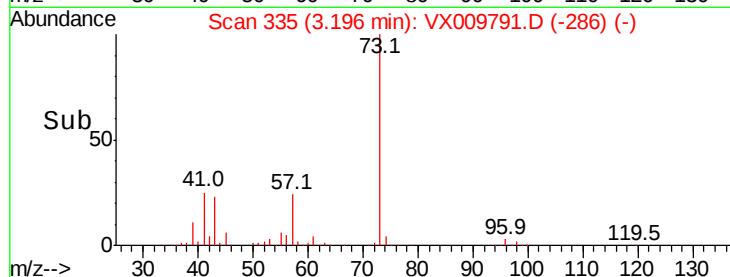
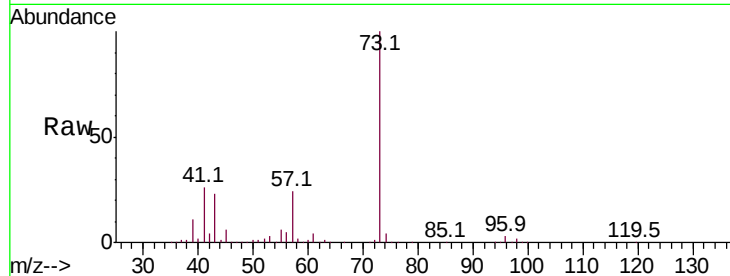
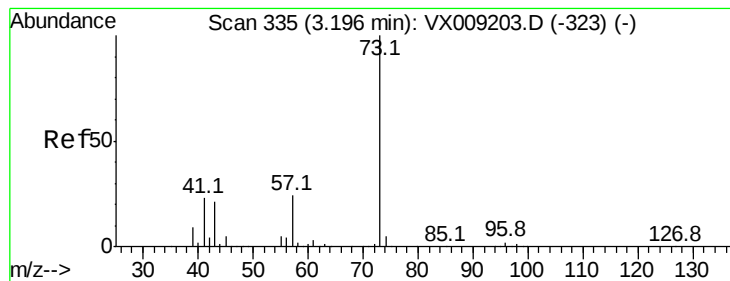
Tgt Ion: 43 Resp: 131563

Ion Ratio Lower Upper

43 100

74 20.1 16.2 24.4





#19

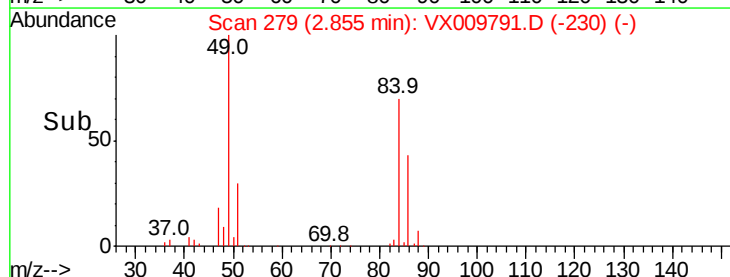
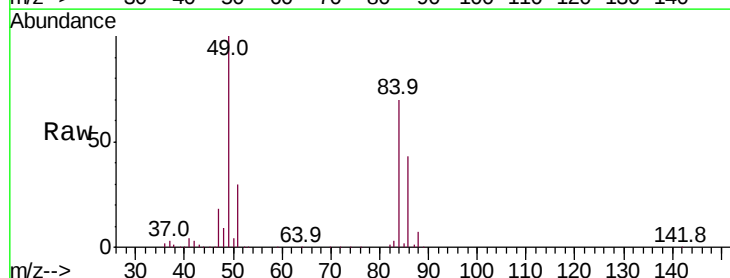
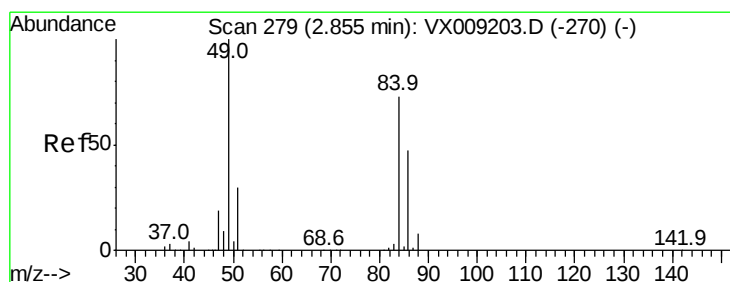
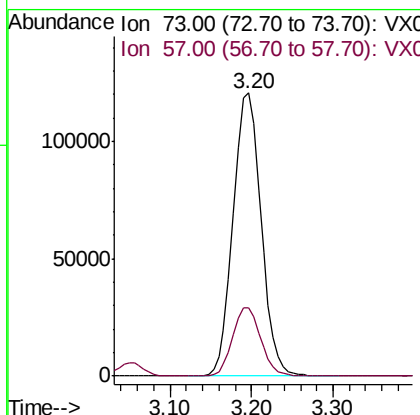
Methyl tert-butyl Ether
Concen: 51.448 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.3	28.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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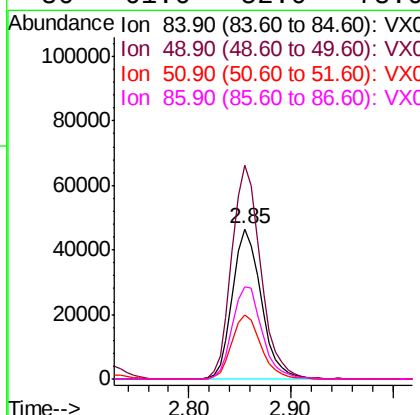
MMDadoda
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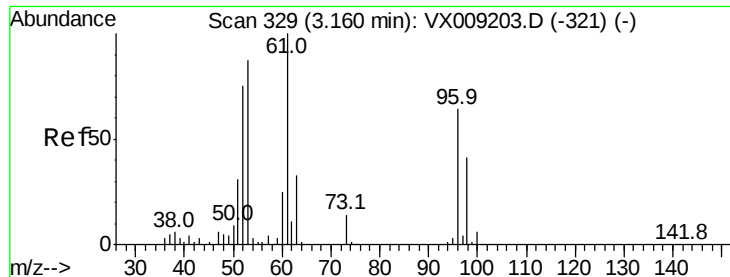


#20

Methylene Chloride
Concen: 50.076 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.9	109.9	164.9
51	42.7	32.7	49.1
86	61.6	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 51.600 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 80252

Ion Ratio Lower Upper

96 100

61 161.2 124.5 186.7

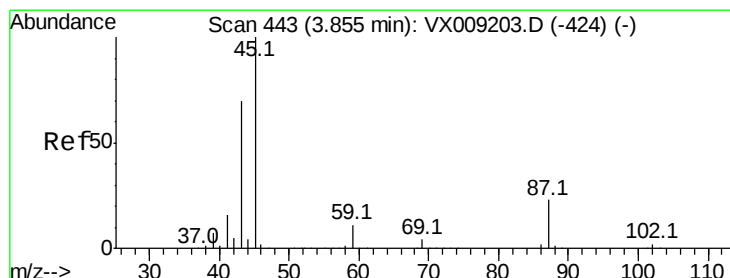
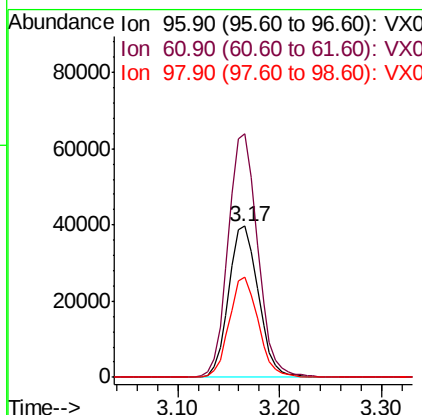
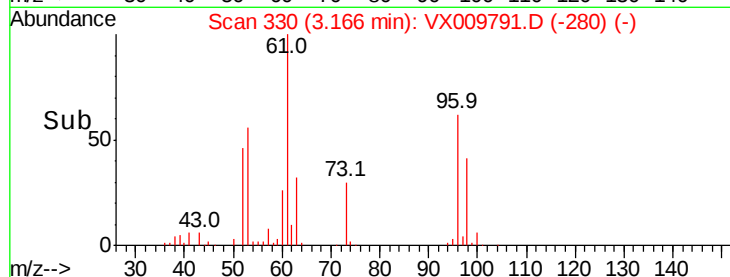
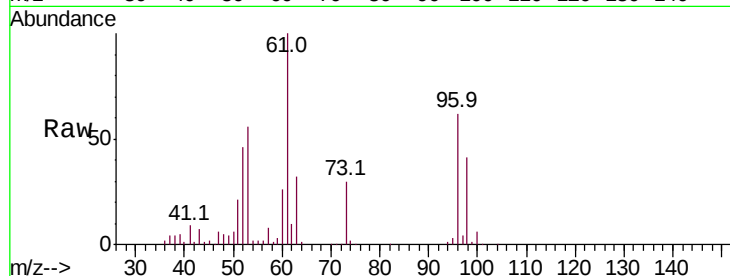
98 66.4 50.4 75.6

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#22

Diisopropyl ether

Concen: 52.937 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Tgt Ion: 45 Resp: 355796

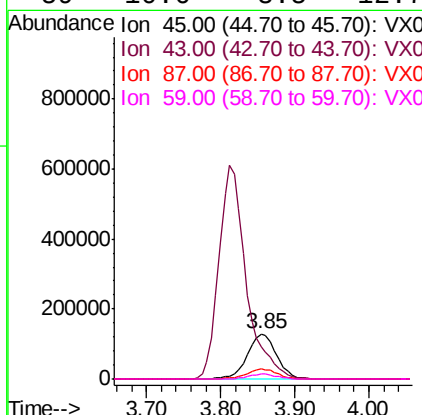
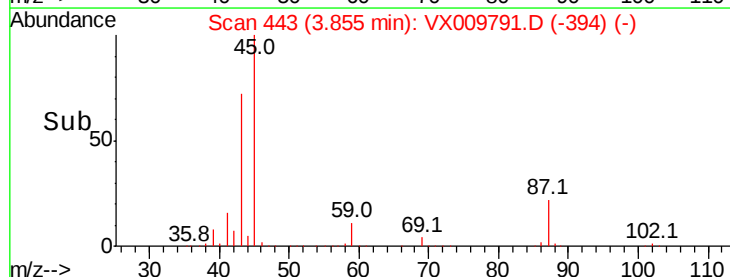
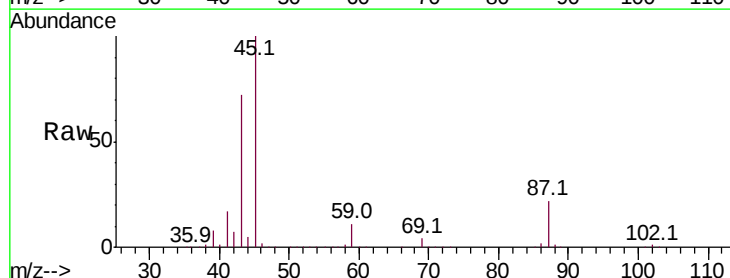
Ion Ratio Lower Upper

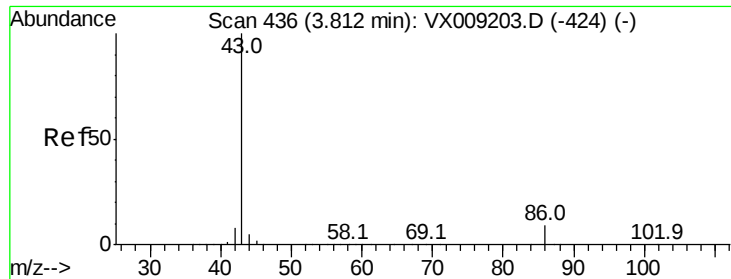
45 100

43 71.6 56.1 84.1

87 22.4 18.1 27.1

59 10.6 8.5 12.7





#23

Vinyl Acetate

Concen: 271.345 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1561680

Ion Ratio Lower Upper

43 100

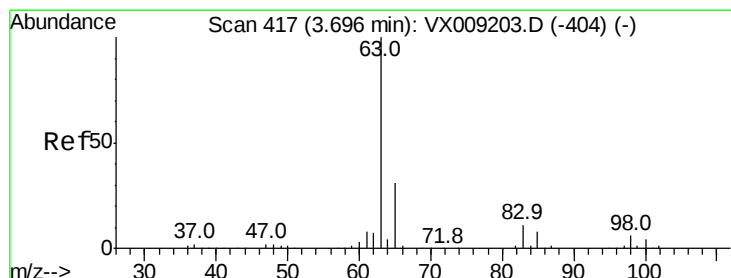
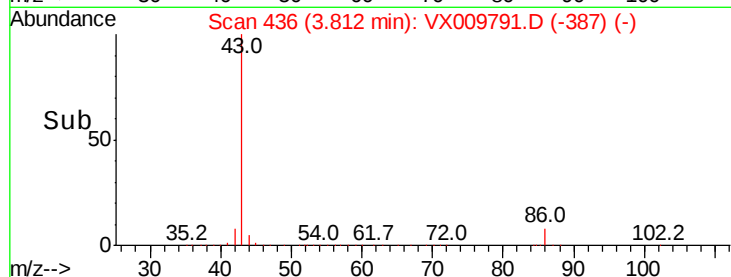
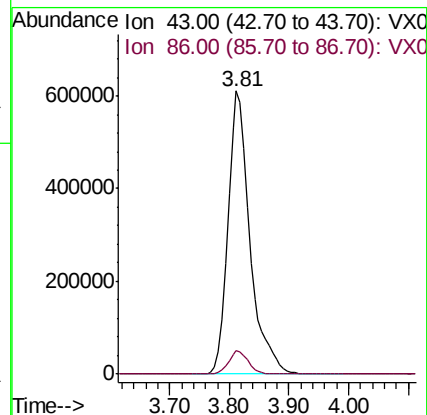
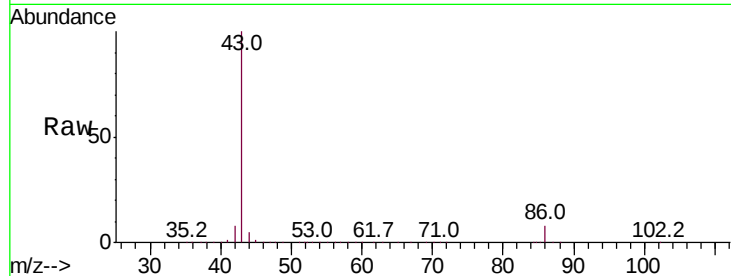
86 8.2 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 51.358 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

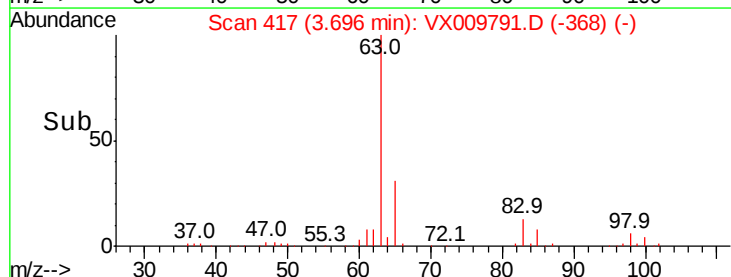
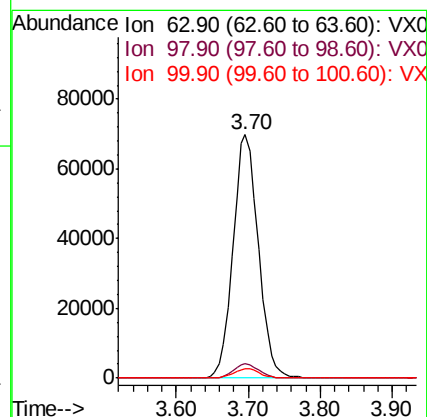
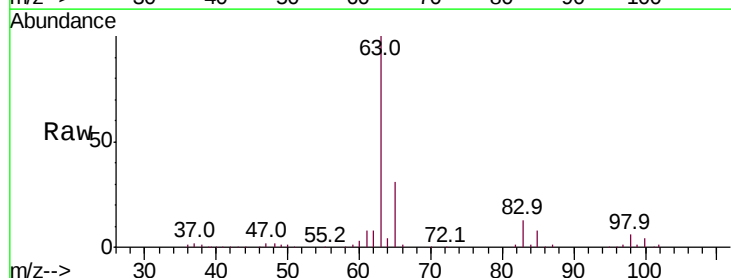
Tgt Ion: 63 Resp: 170281

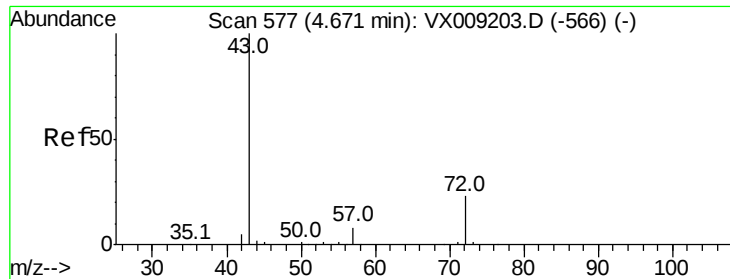
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 261.644 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 455518

Ion Ratio Lower Upper

43 100

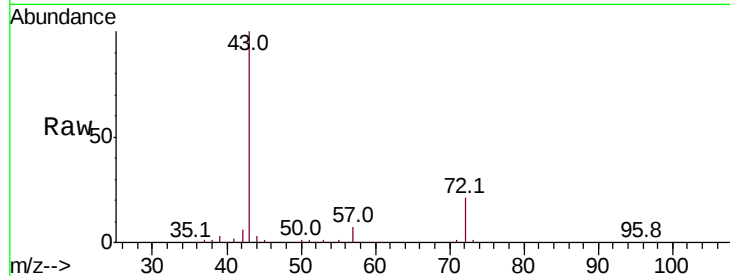
72 21.4 18.2 27.2

Manual Integrations

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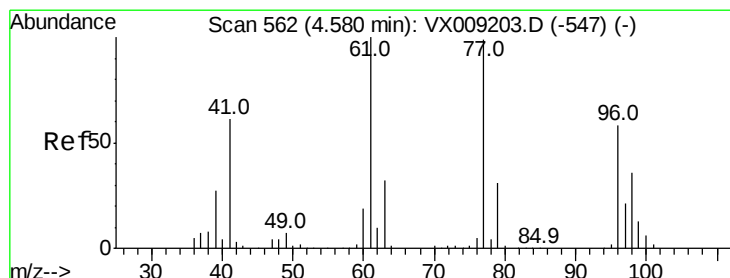
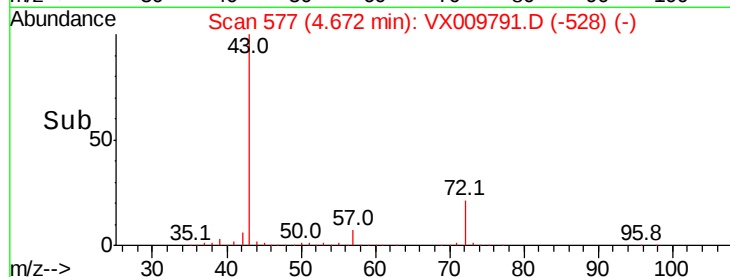
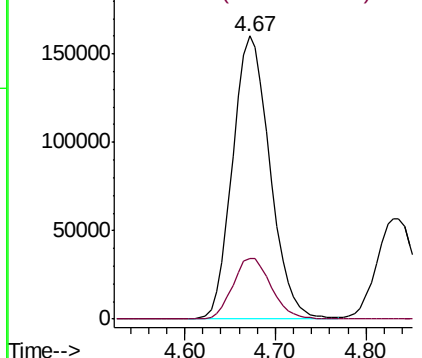
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 30.221 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009791.D

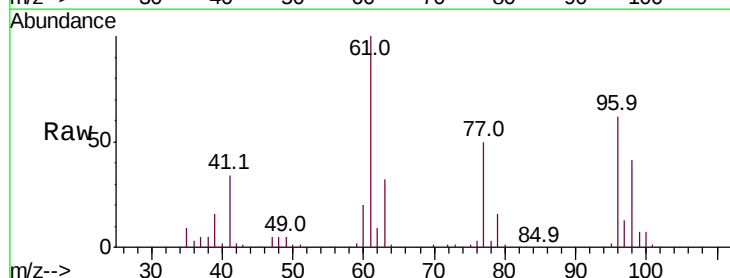
Acq: 22 May 2019 09:17

Tgt Ion: 77 Resp: 74583

Ion Ratio Lower Upper

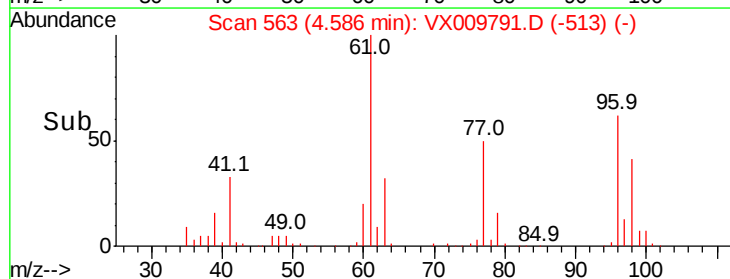
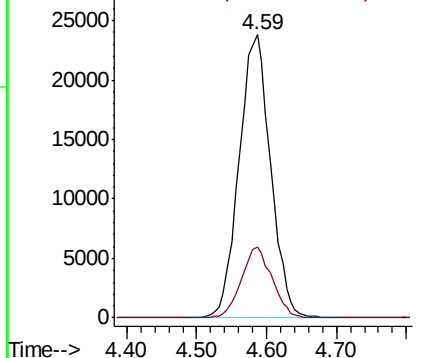
77 100

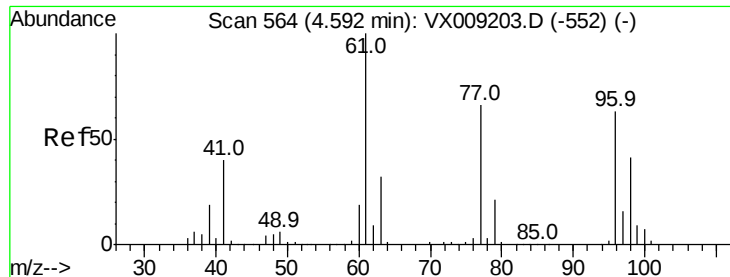
97 24.5 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

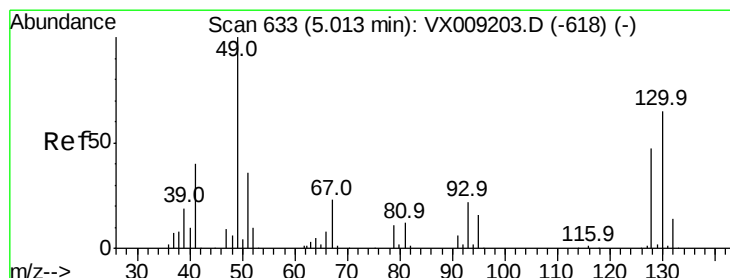
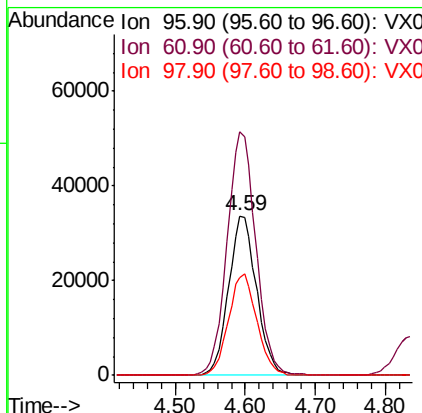
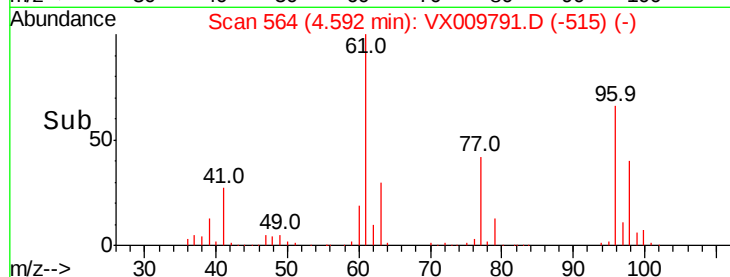
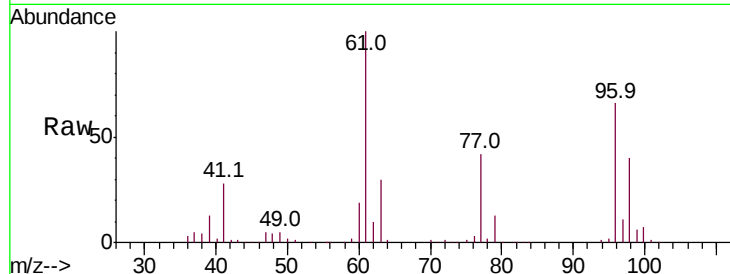
cis-1,2-Dichloroethene
Concen: 50.449 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.0	0.0	324.0
98	64.5	0.0	130.4

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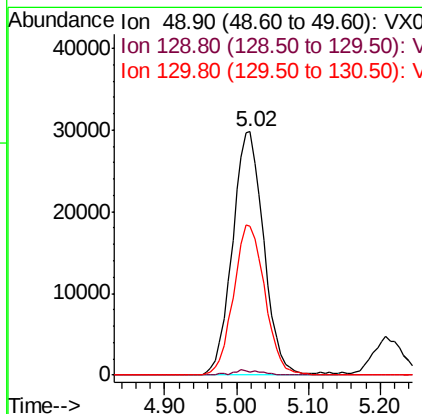
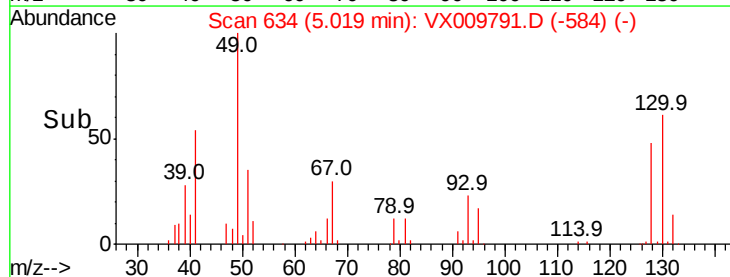
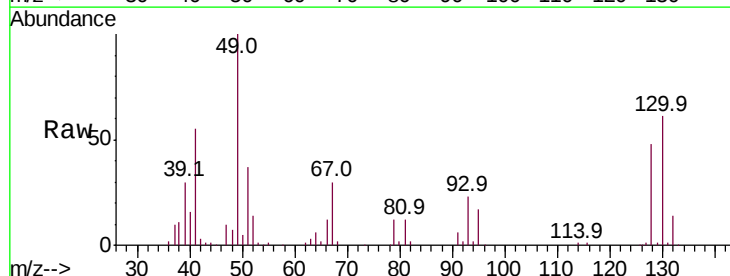
MMDadoda
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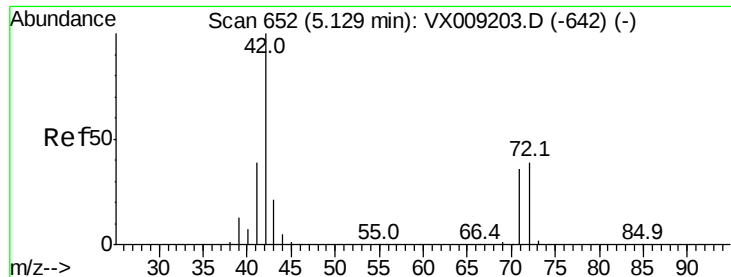


#28

Bromochloromethane
Concen: 68.513 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	61.5	51.2	76.8





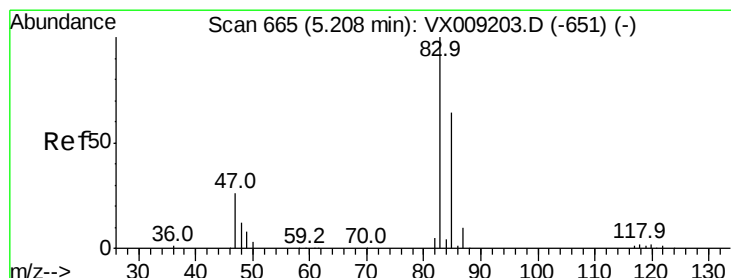
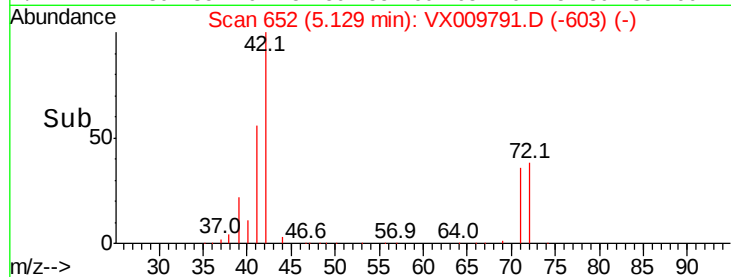
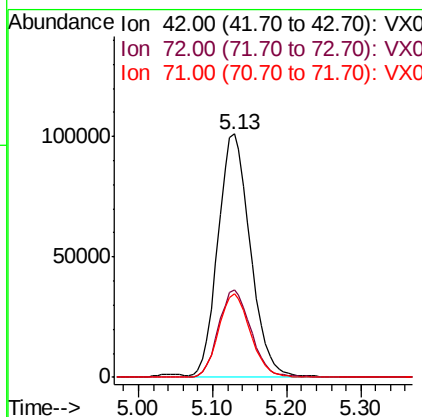
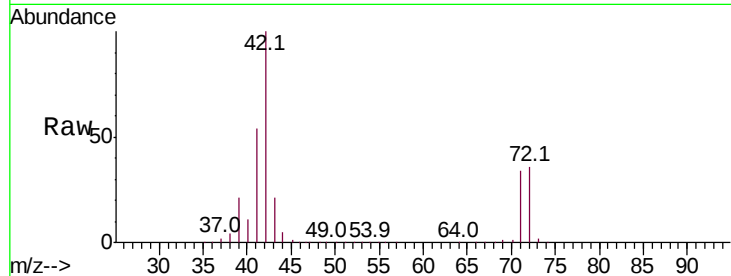
#29
Tetrahydrofuran
Concen: 272.293 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	30.4	45.6
71	34.1	28.6	43.0

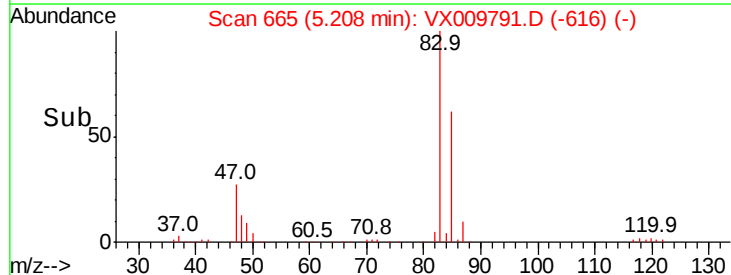
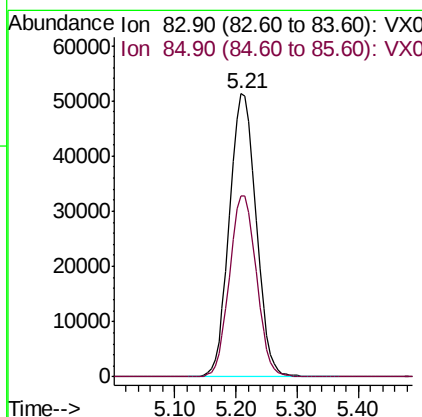
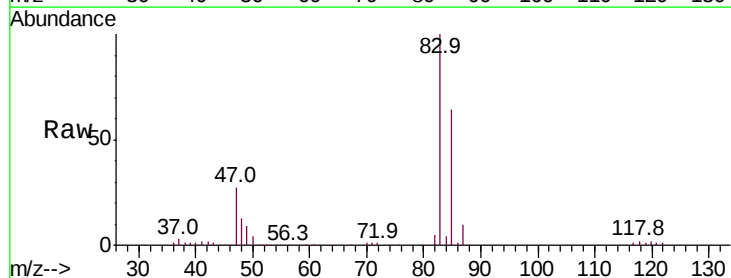
Manual Integrations
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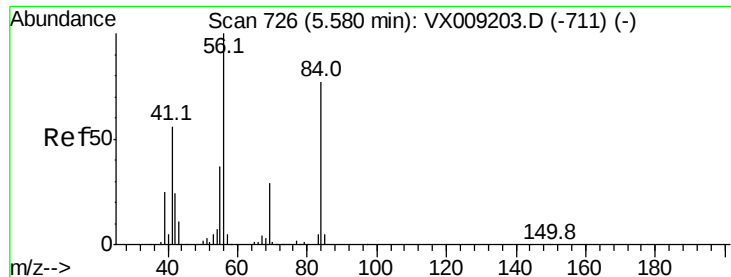
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#30
Chloroform
Concen: 51.568 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.5	77.3





#31

Cyclohexane

Concen: 53.349 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

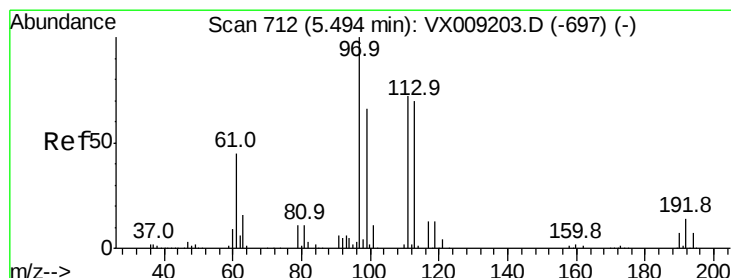
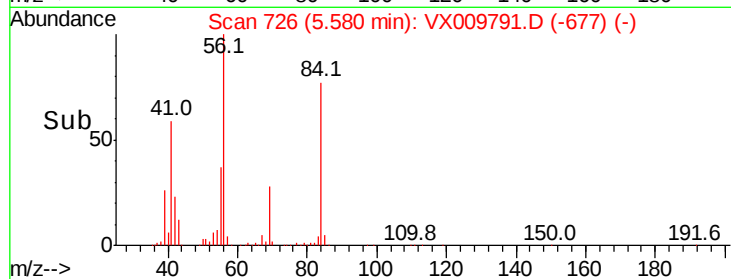
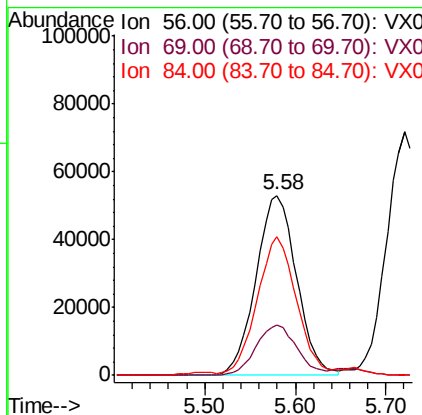
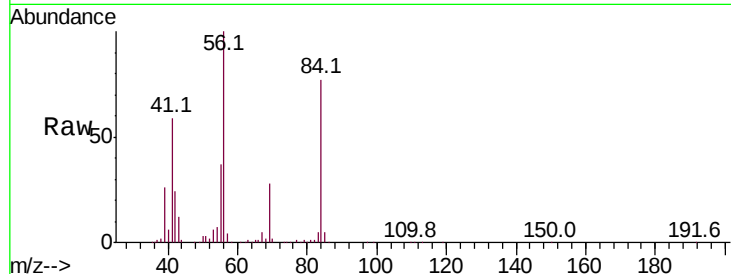
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	164566
Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.4	35.0
84	75.7	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 51.306 ug/l

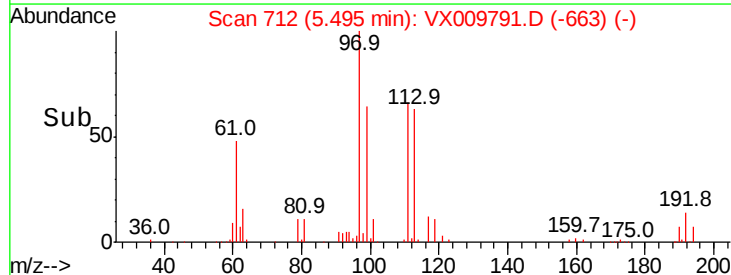
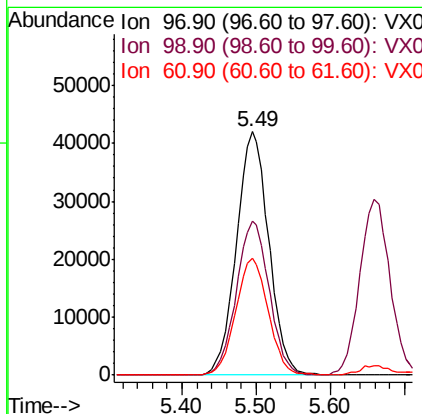
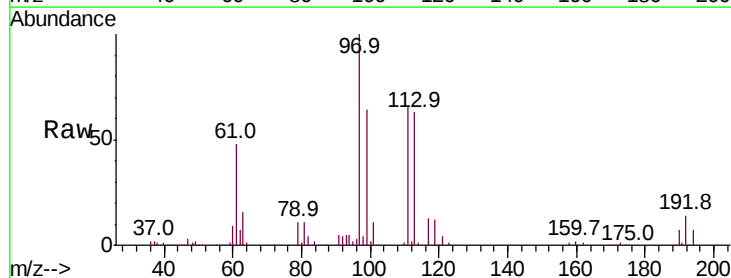
RT: 5.49 min Scan# 712

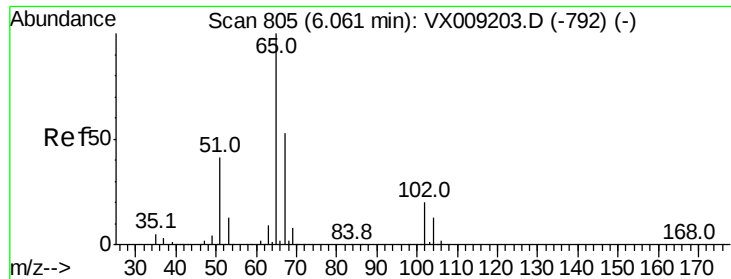
Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Tgt Ion:	97	Resp:	128076
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	48.5	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 52.434 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 109402

Ion Ratio Lower Upper

65 100

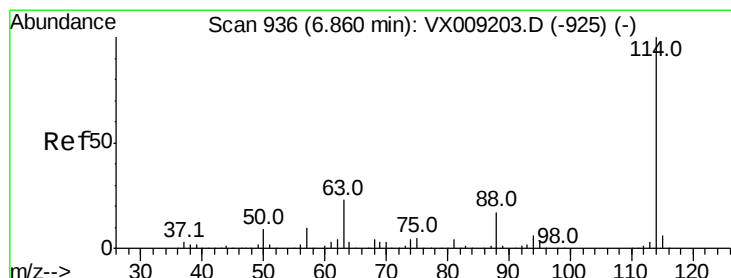
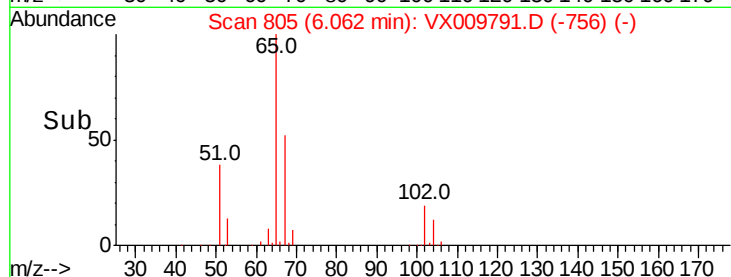
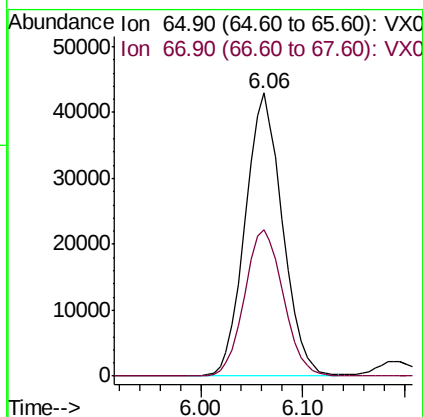
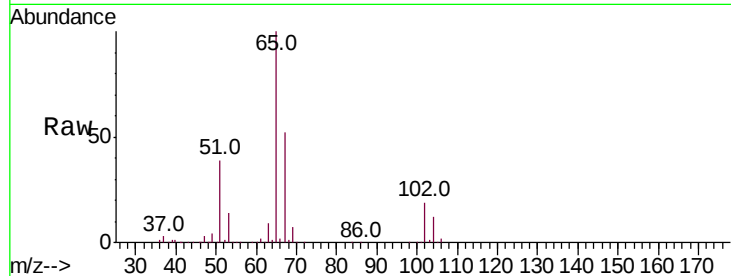
67 53.8 0.0 106.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

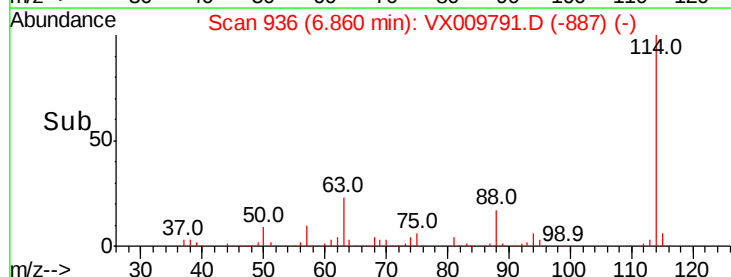
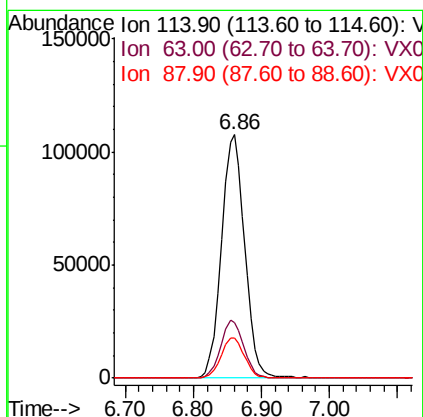
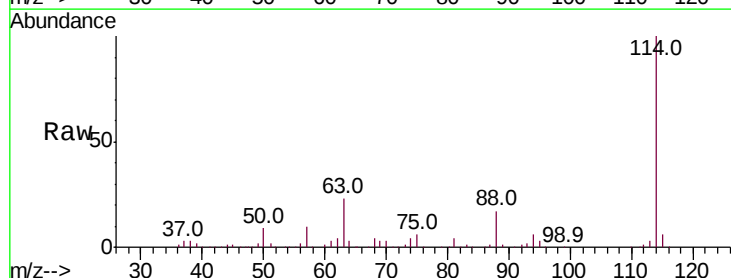
Tgt Ion: 114 Resp: 255312

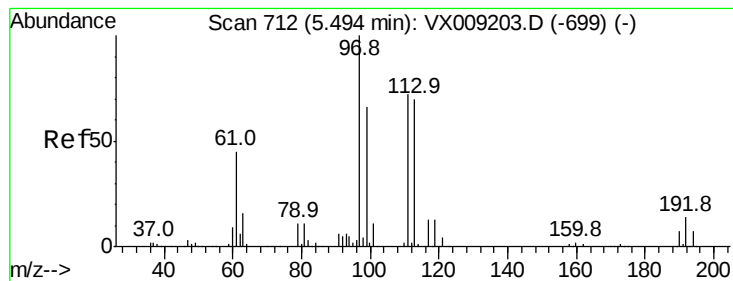
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.6

88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.303 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

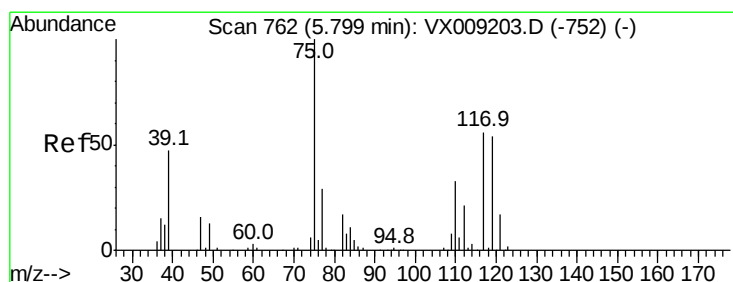
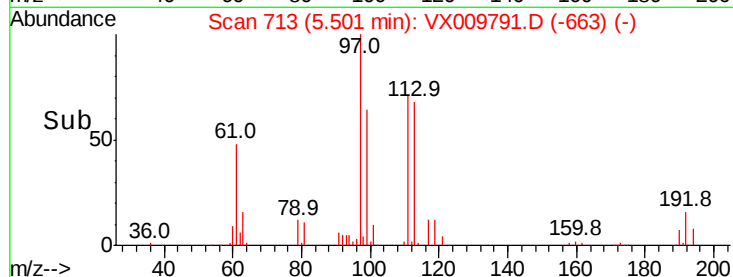
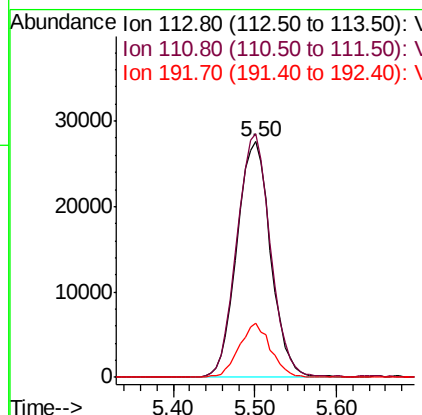
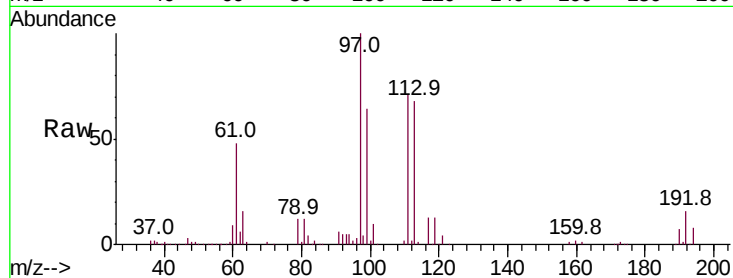
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.8	124.2
192	21.8	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 50.468 ug/l

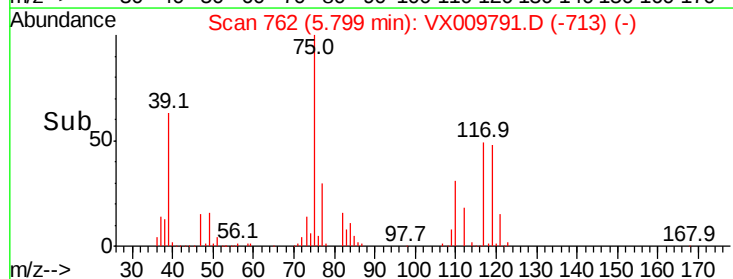
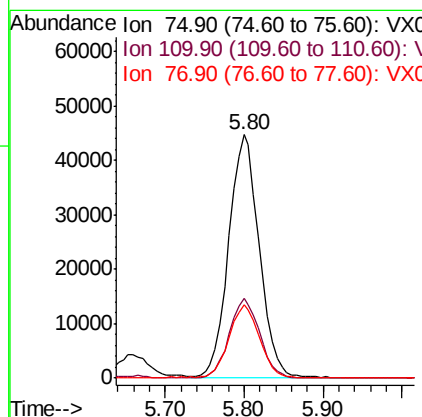
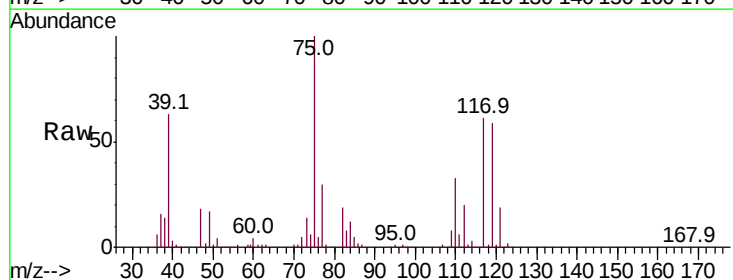
RT: 5.80 min Scan# 762

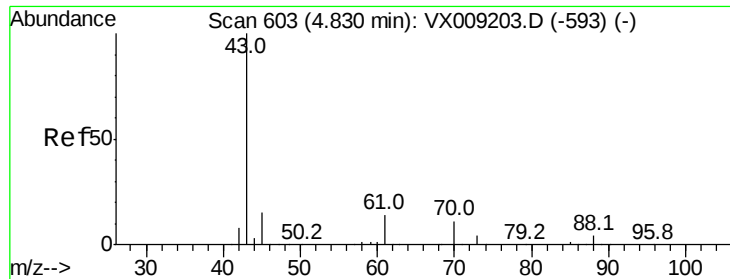
Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.6
77	30.3	24.8	37.2





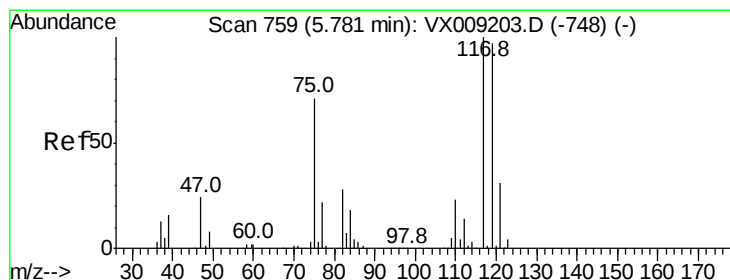
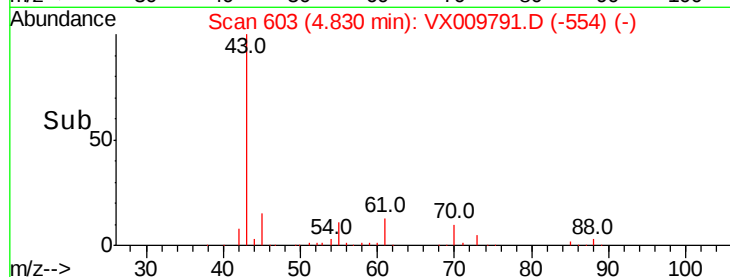
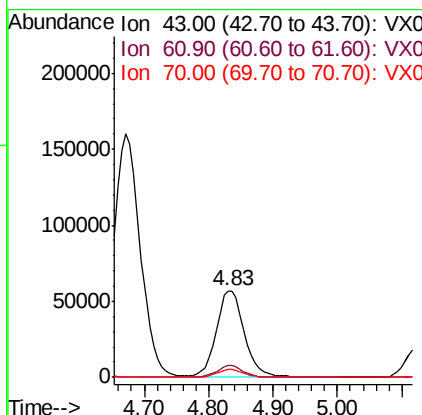
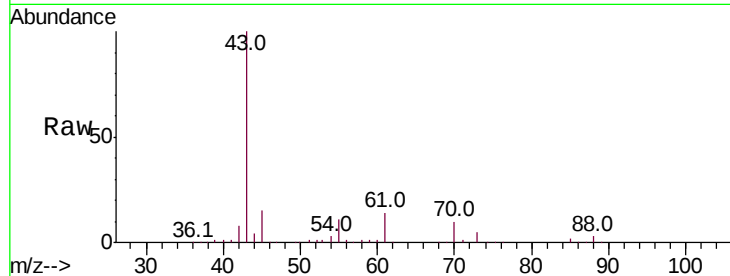
#37
Ethyl Acetate
Concen: 52.252 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.1	7.9	11.9

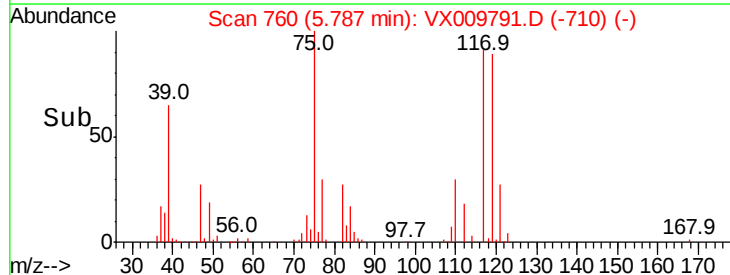
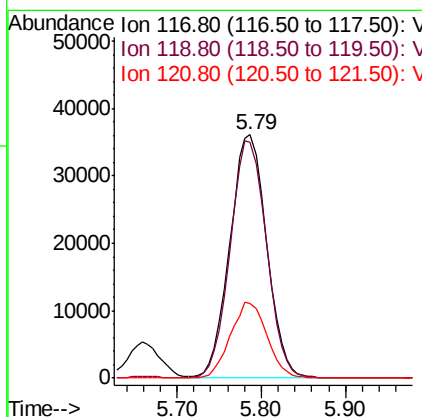
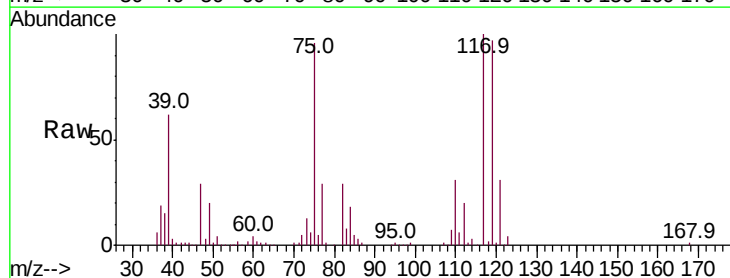
Manual Integrations
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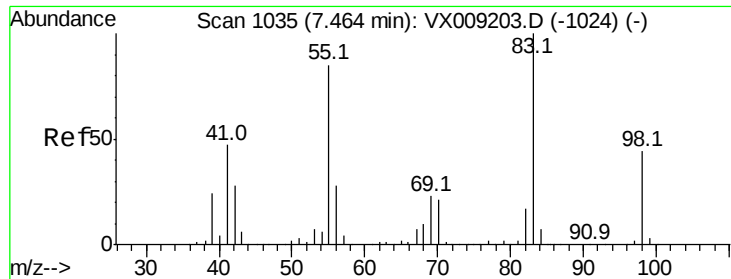
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.723 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.5	116.3
121	30.8	24.7	37.1





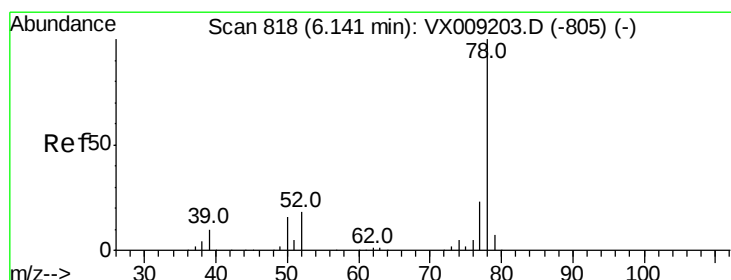
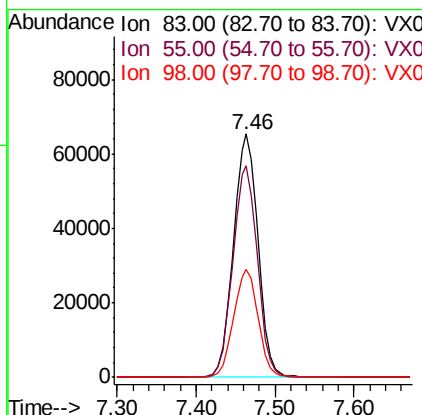
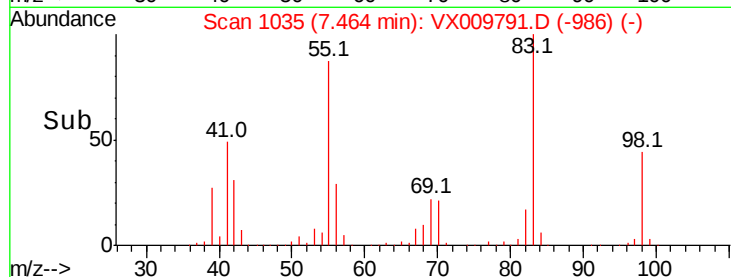
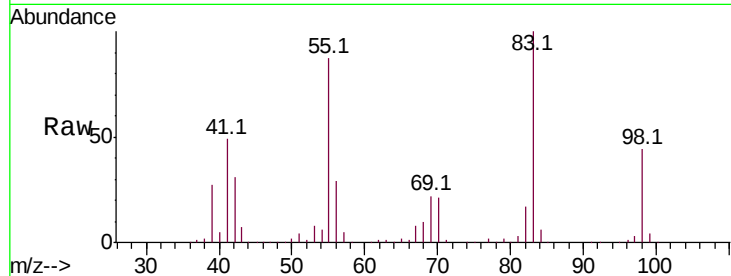
#39
Methvlcvclohexane
Concen: 48.380 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	67.7	101.5
98	44.1	35.5	53.3

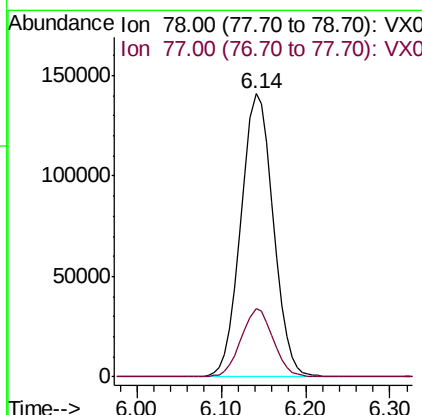
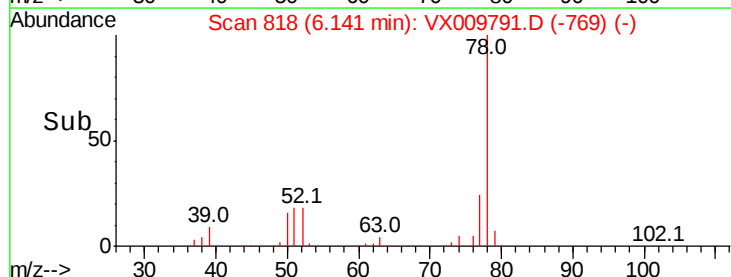
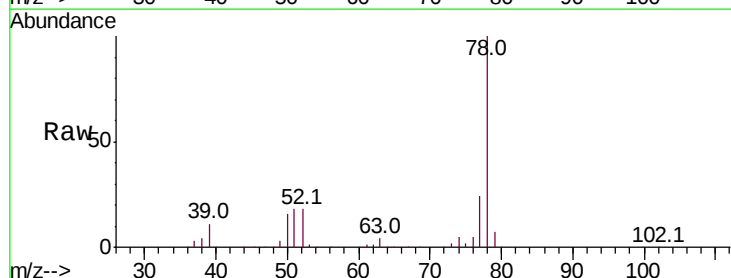
Manual Integrations
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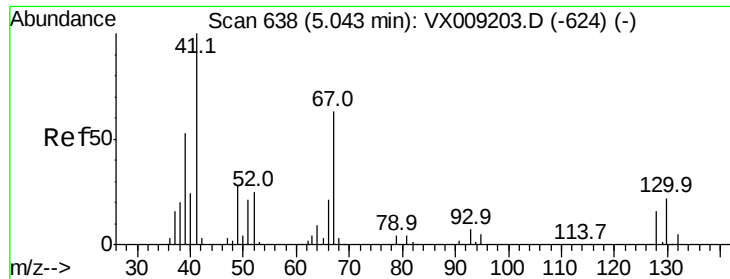
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#40
Benzene
Concen: 50.057 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





#41

Methacrylonitrile

Concen: 50.317 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

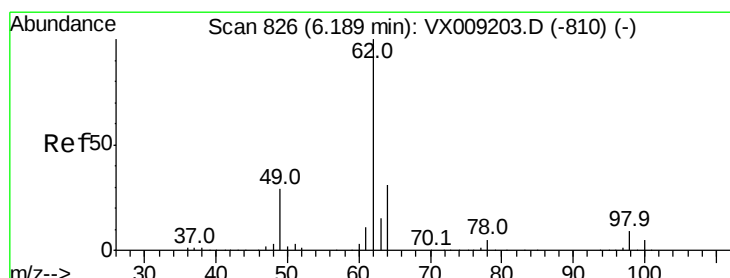
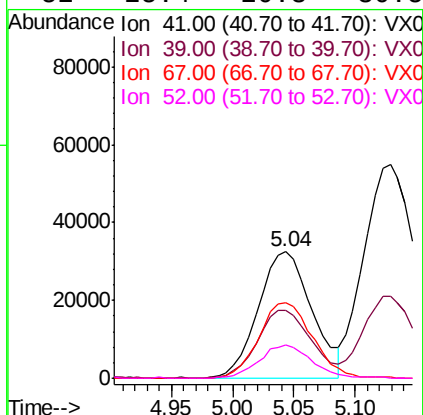
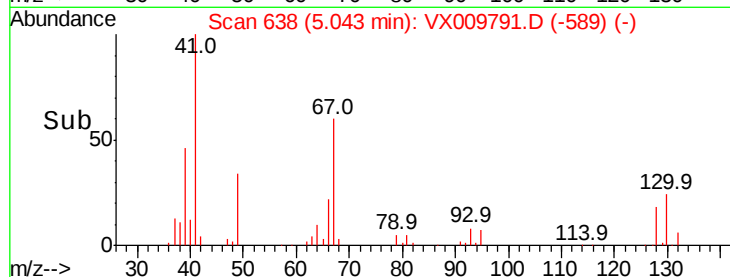
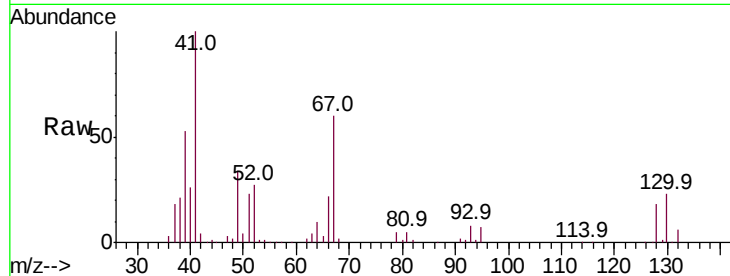
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	42.0	63.0	
67	60.5	49.8	74.8	
52	25.4	20.3	30.5	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.136 ug/l

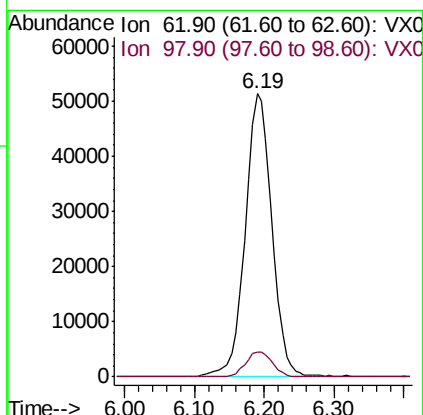
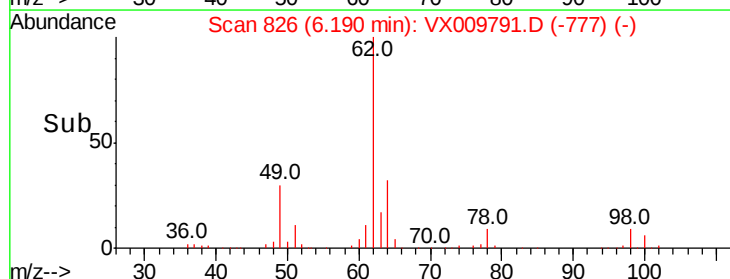
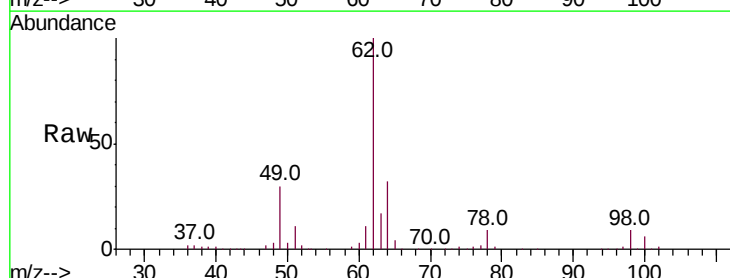
RT: 6.19 min Scan# 826

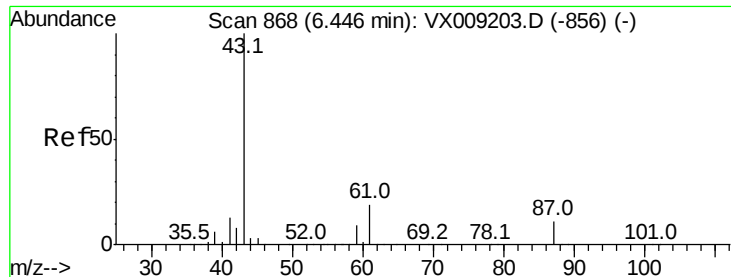
Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.2	





#43

Isopropyl Acetate

Concen: 51.440 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

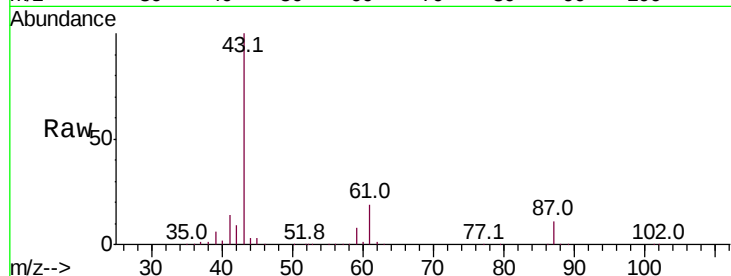
ClientSampleId :

VSTDCCC050EC

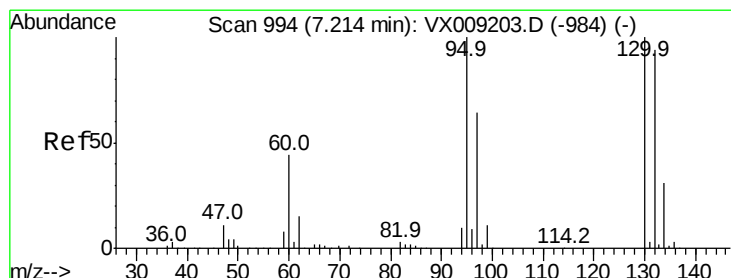
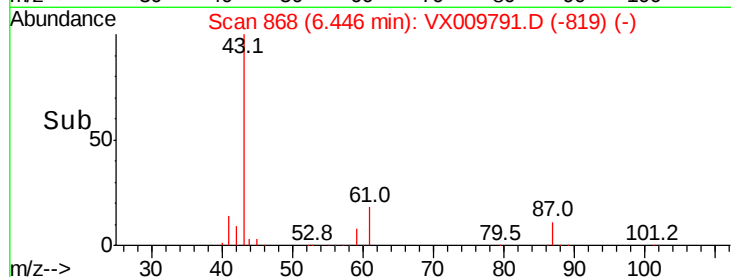
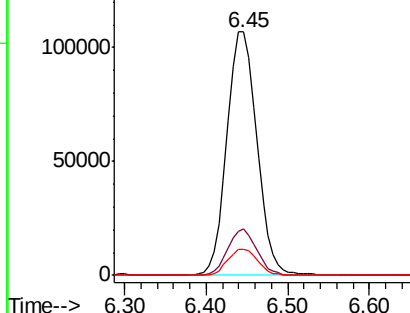
Tot Ion:	43	Resp:	272007
Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.1	22.7
87	10.8	9.0	13.6

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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: 47.991 ug/l

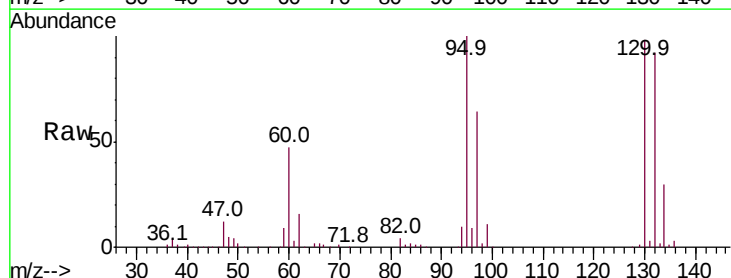
RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

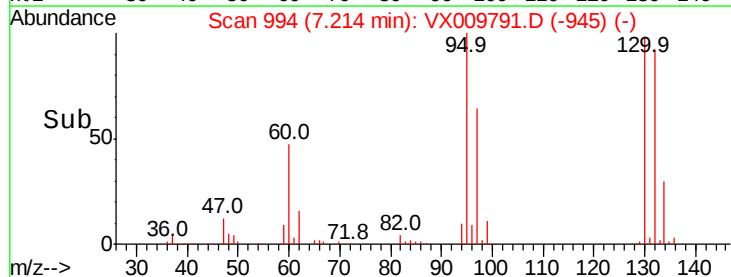
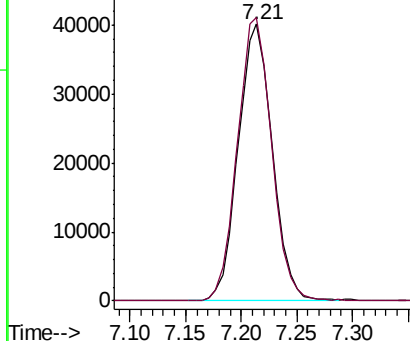
Lab File: VX009791.D

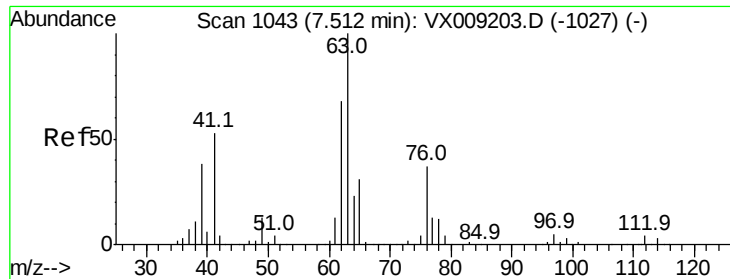
Acq: 22 May 2019 09:17

Tgt Ion:	130	Resp:	85192
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	199.2



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





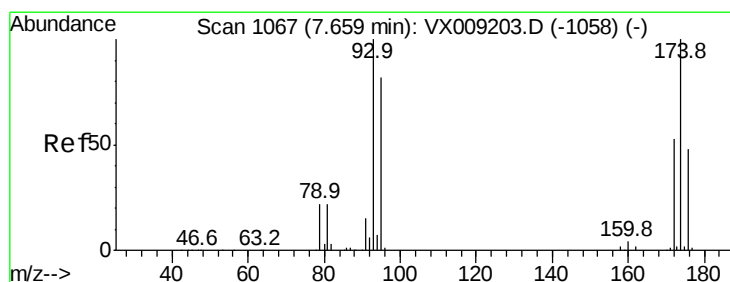
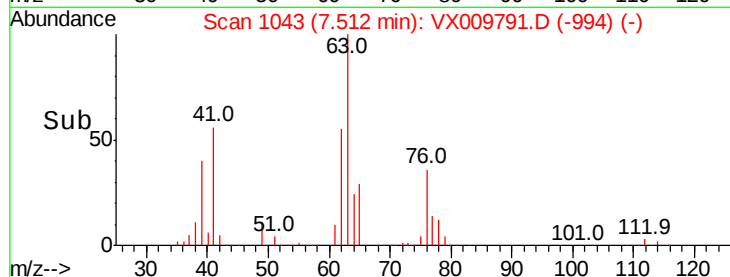
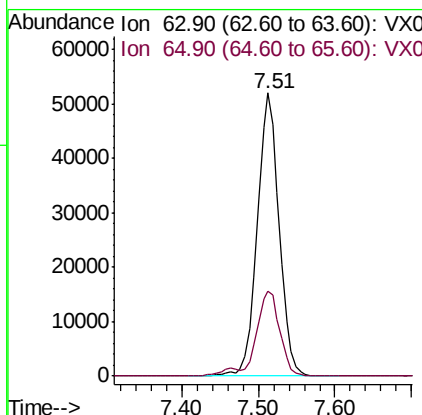
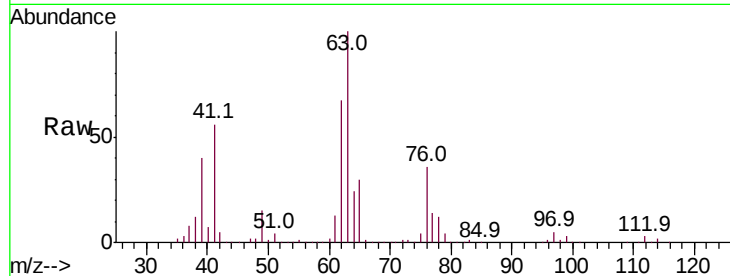
#45
 1,2-Dichloropropane
 Concen: 50.011 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009791.D
 Acq: 22 May 2019 09:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 103984
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.6

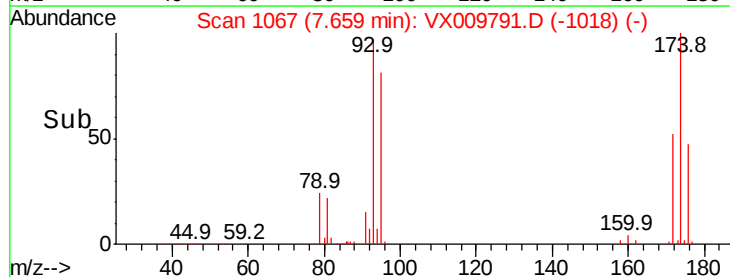
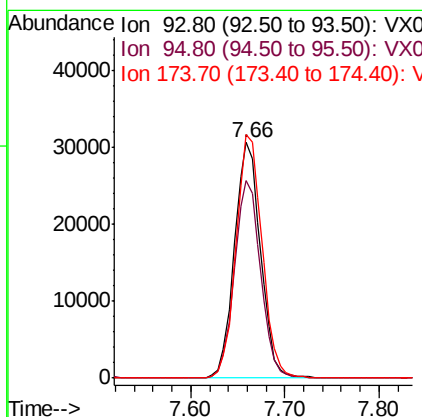
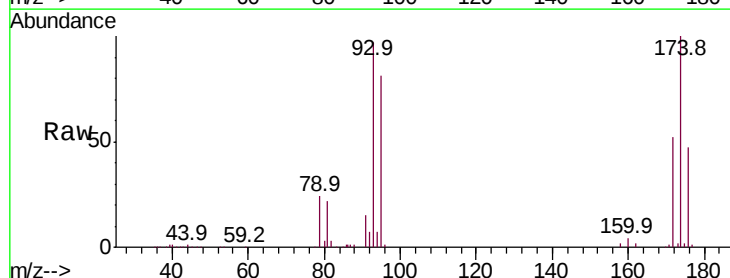
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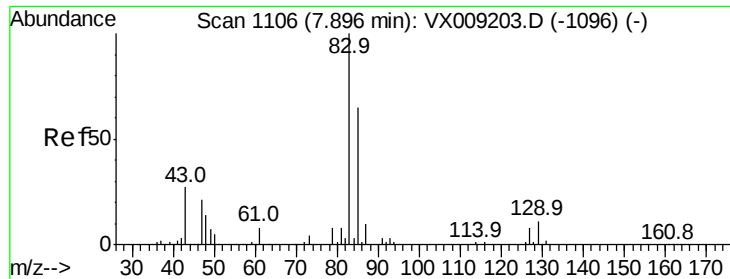
MMDadoda
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#46
 Dibromomethane
 Concen: 49.066 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009791.D
 Acq: 22 May 2019 09:17

Tgt Ion: 93 Resp: 59243
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 103.2 82.1 123.1





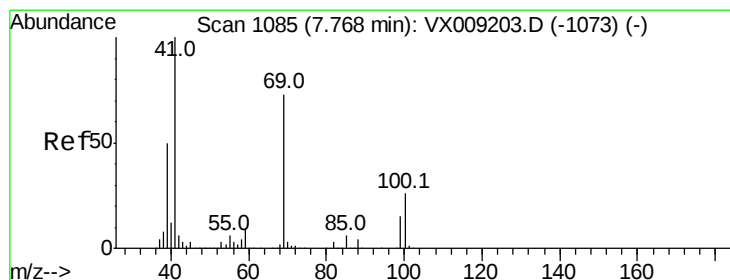
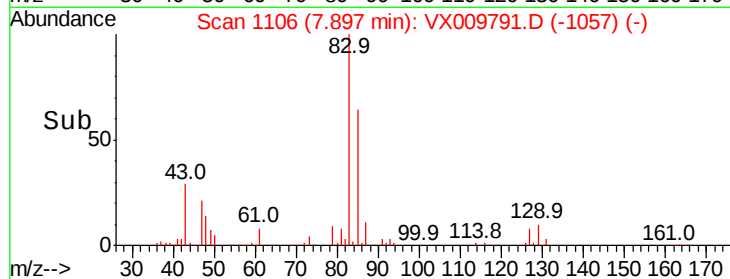
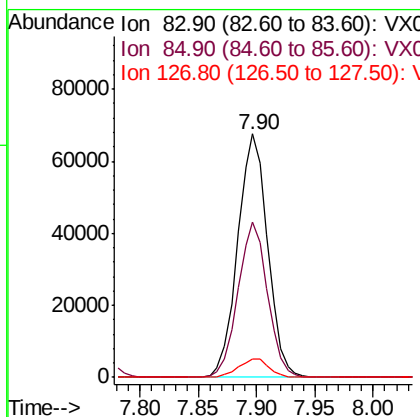
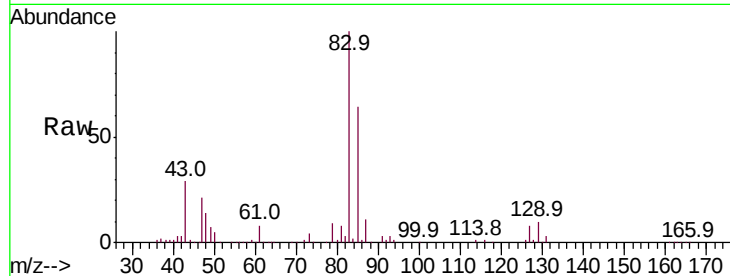
#47
Bromodichloromethane
Concen: 50.343 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.7	52.4	78.6	
127	7.6	6.6	10.0	

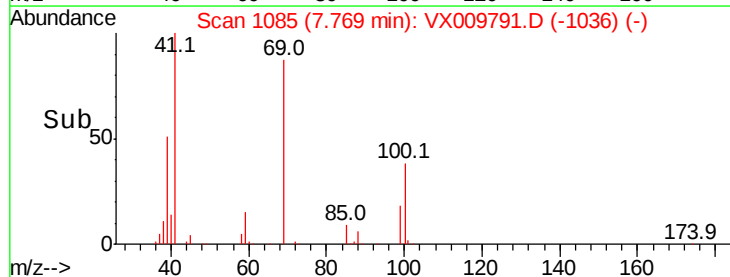
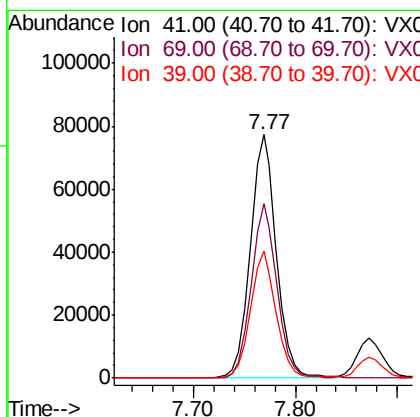
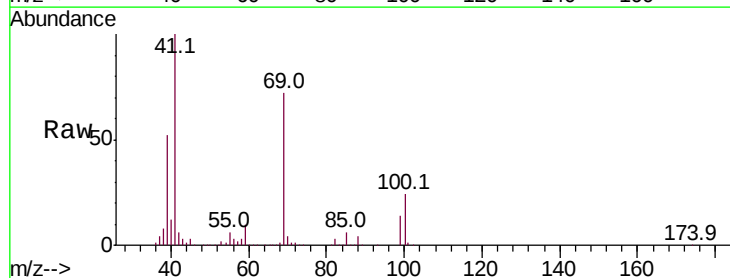
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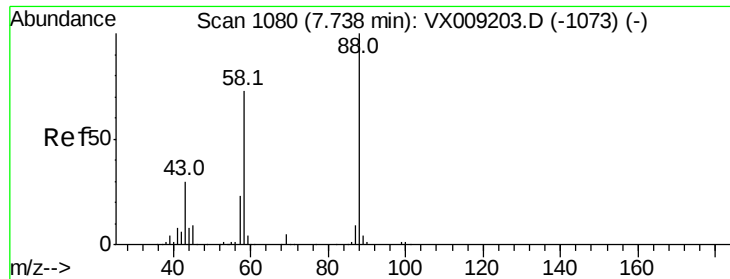
MMDadoda
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#48
Methyl methacrylate
Concen: 52.306 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	71.4	59.1	88.7	
39	51.1	40.4	60.6	





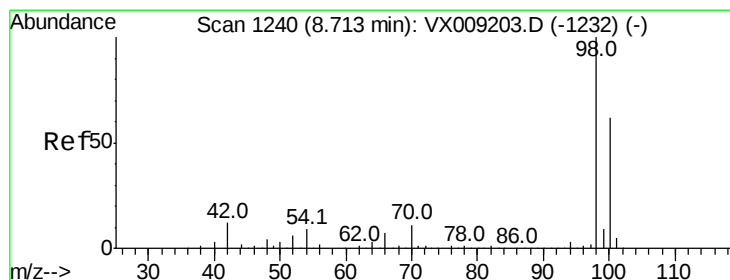
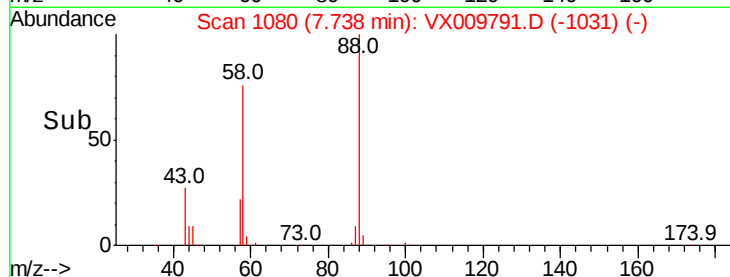
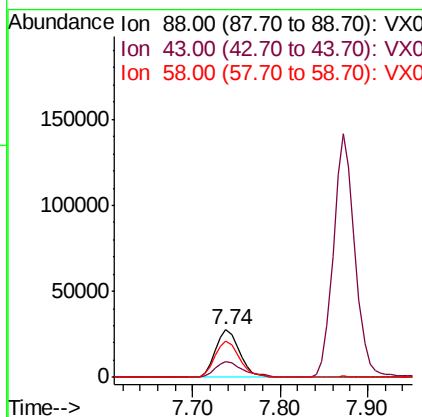
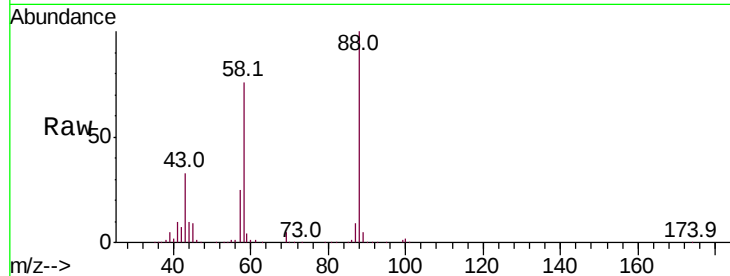
#49
1,4-Dioxane
Concen: 1002.304 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	28.6	42.8
58	77.9	61.7	92.5

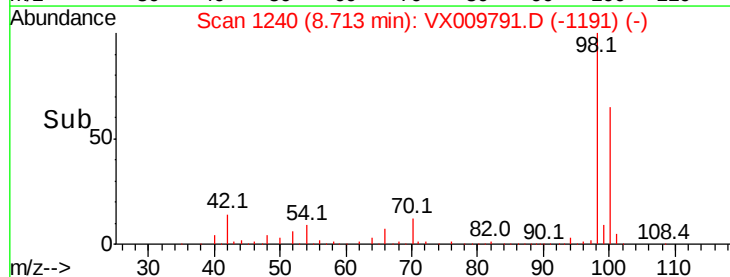
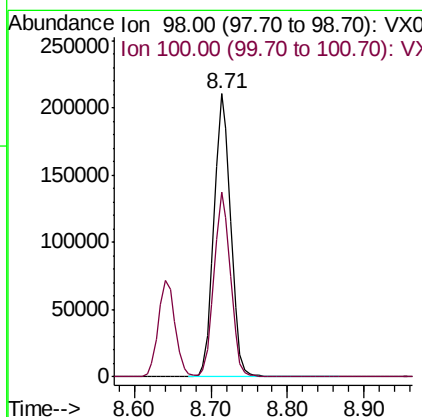
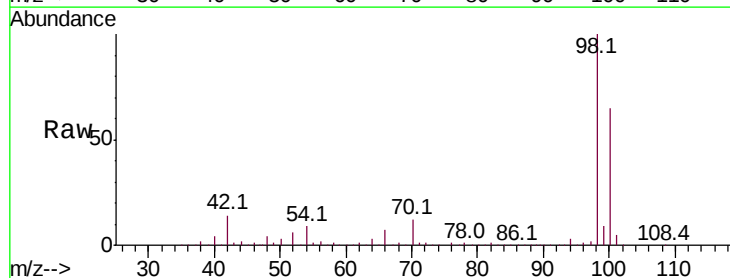
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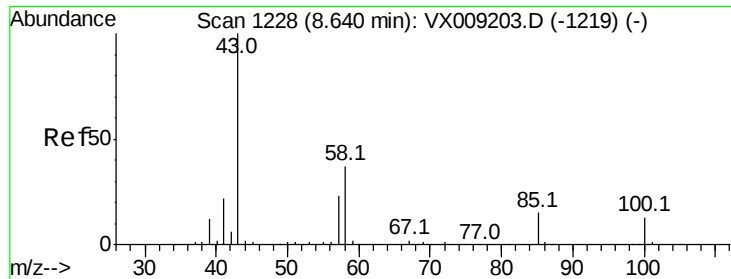
MMDadoda
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#50
Toluene-d8
Concen: 49.193 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 265.896 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 918997

Ion Ratio Lower Upper

43 100

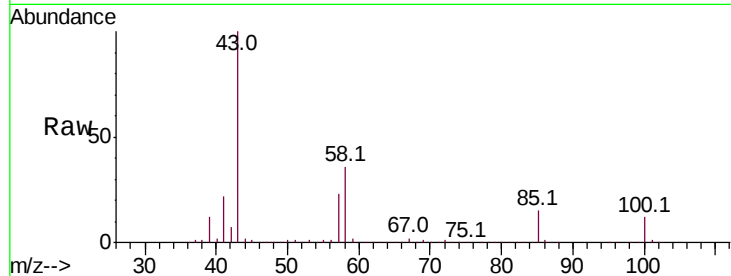
58 35.7 29.5 44.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

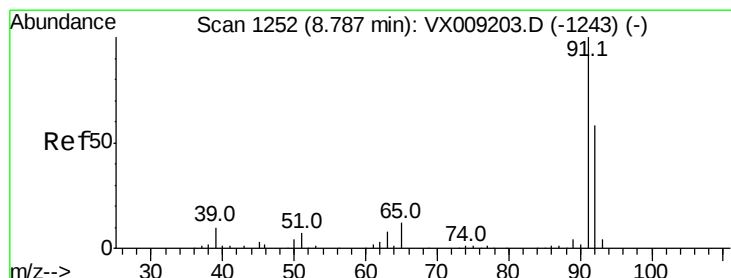
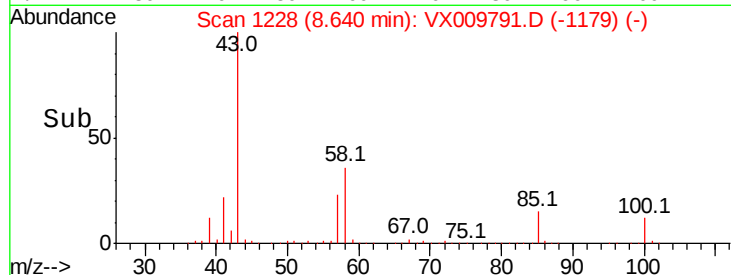
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.088 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009791.D

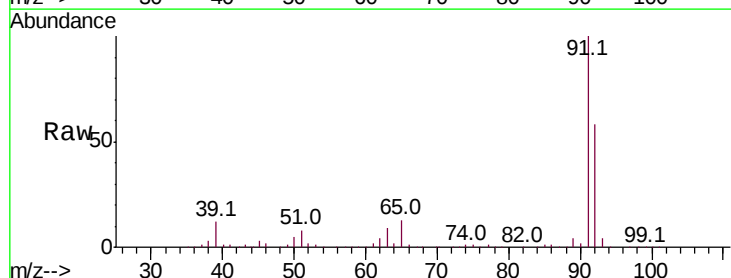
Acq: 22 May 2019 09:17

Tgt Ion: 92 Resp: 223572

Ion Ratio Lower Upper

92 100

91 173.2 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

250000

200000

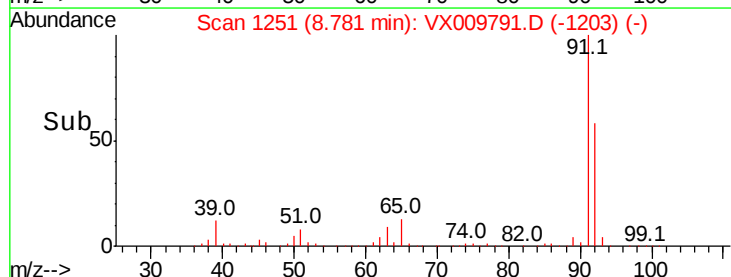
150000

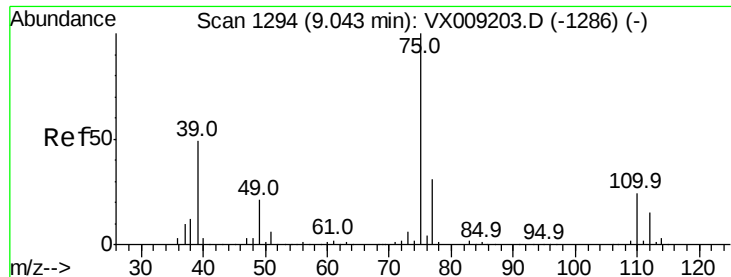
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 47.242 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 128460

Ion Ratio Lower Upper

75 100

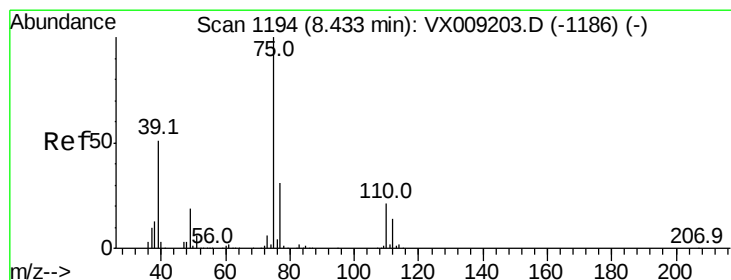
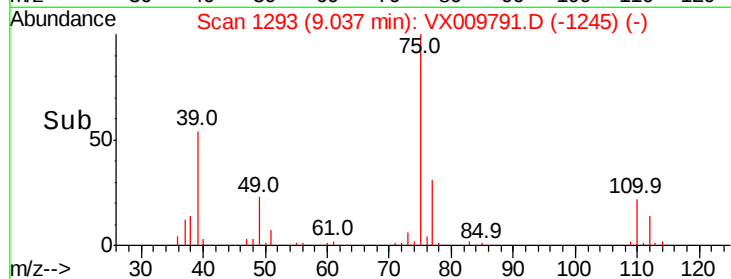
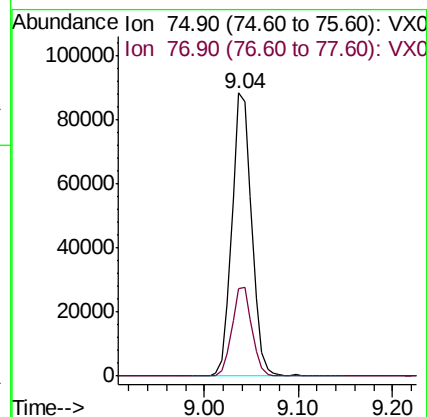
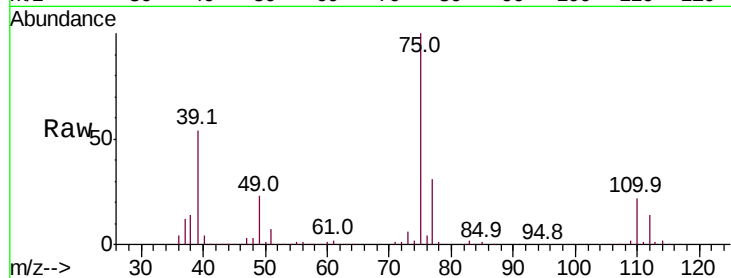
77 30.8 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 47.425 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

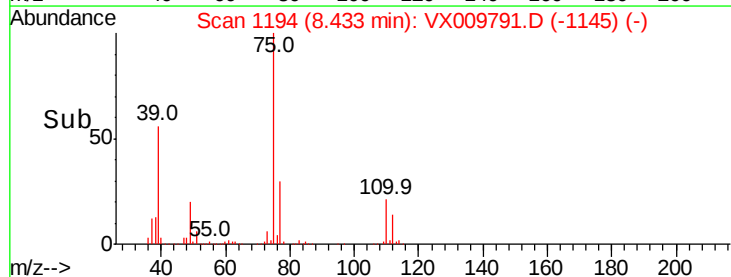
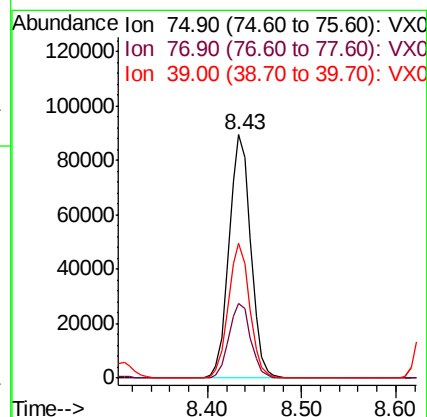
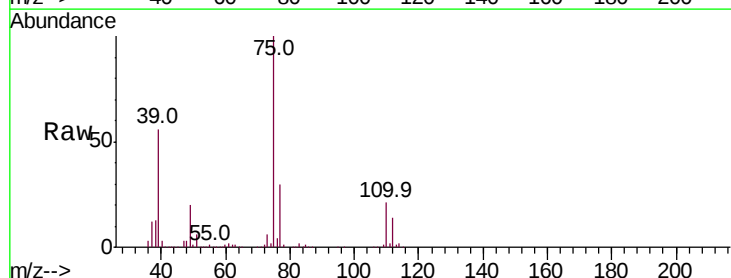
Tgt Ion: 75 Resp: 142739

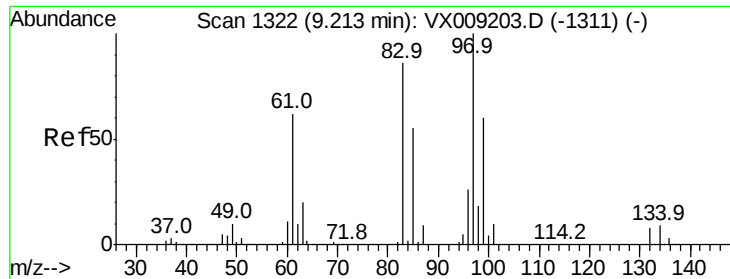
Ion Ratio Lower Upper

75 100

77 30.4 24.6 36.8

39 55.5 40.6 60.8





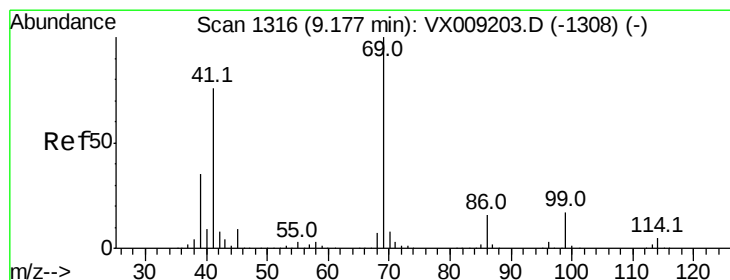
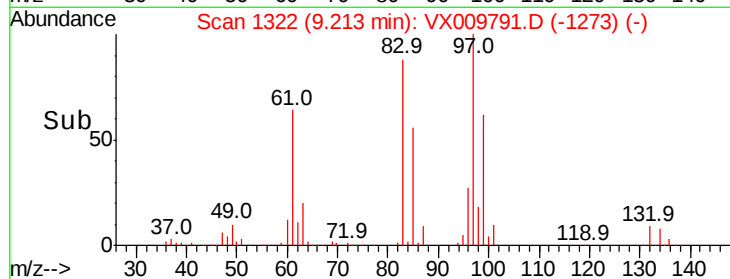
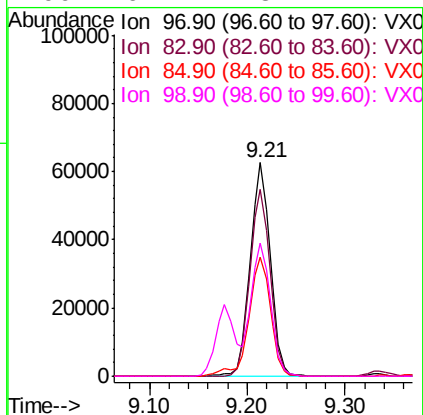
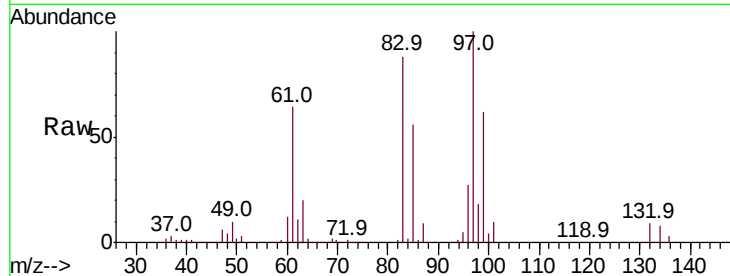
#55
 1,1,2-Trichloroethane
 Concen: 48.993 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009791.D
 Acq: 22 May 2019 09:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	89217
Ion Ratio	Lower	Upper	
97	100		
83	87.6	68.9	103.3
85	55.9	43.8	65.6
99	62.1	48.2	72.2

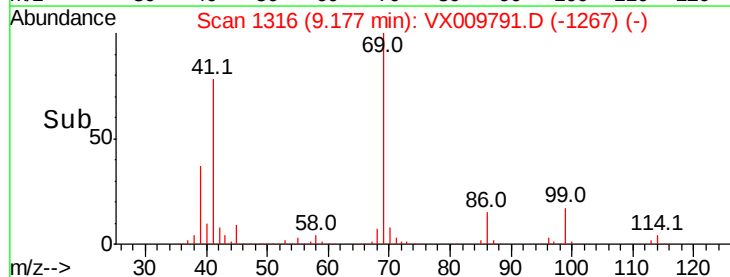
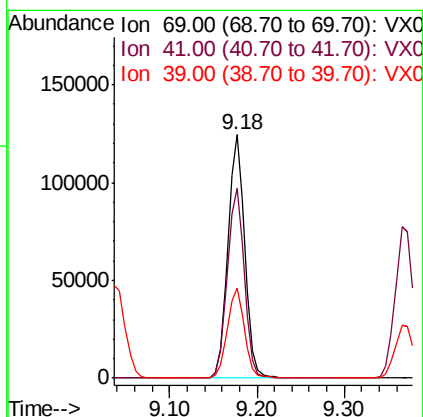
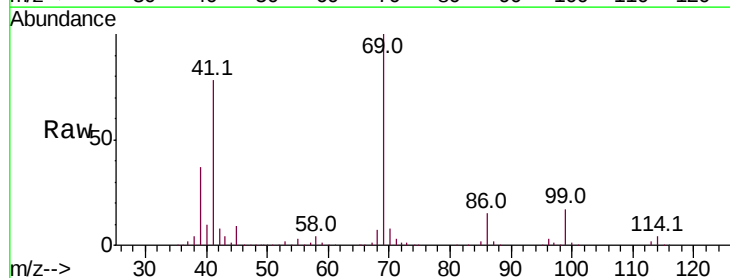
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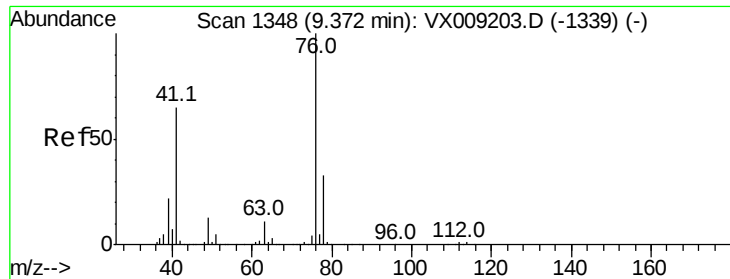
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#56
 Ethyl methacrylate
 Concen: 51.007 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009791.D
 Acq: 22 May 2019 09:17

Tgt Ion	69	Resp	165803
Ion Ratio	Lower	Upper	
69	100		
41	78.7	60.6	90.8
39	37.6	28.2	42.4





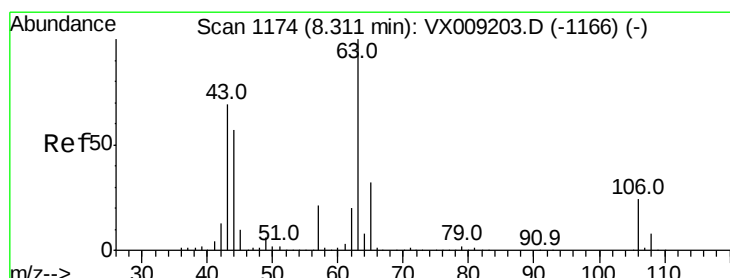
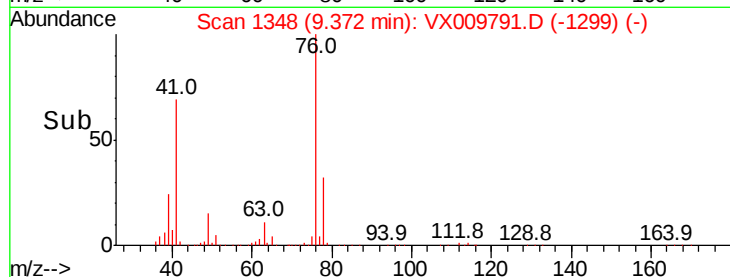
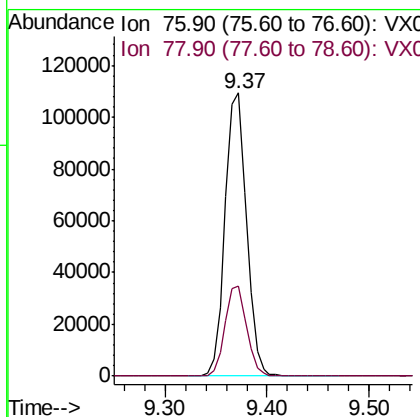
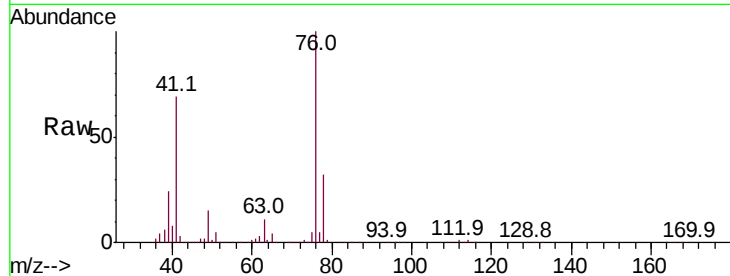
#57
 1,3-Dichloropropane
 Concen: 49.868 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009791.D
 Acq: 22 May 2019 09:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 159802
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

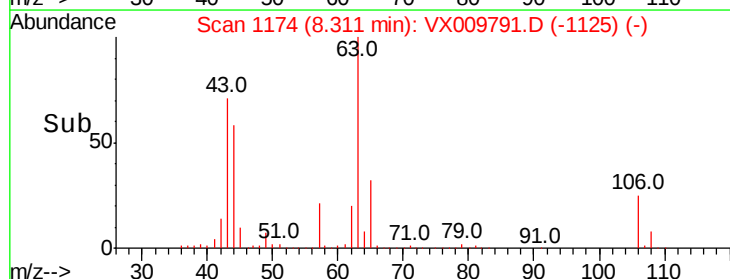
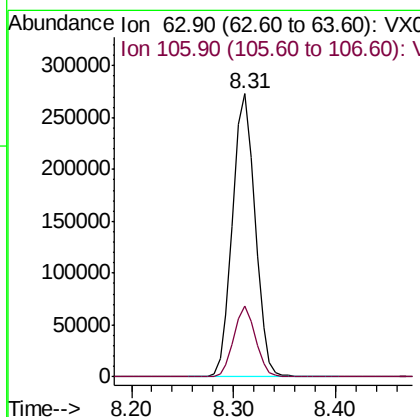
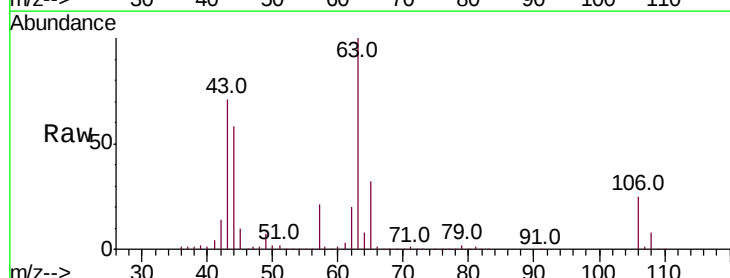
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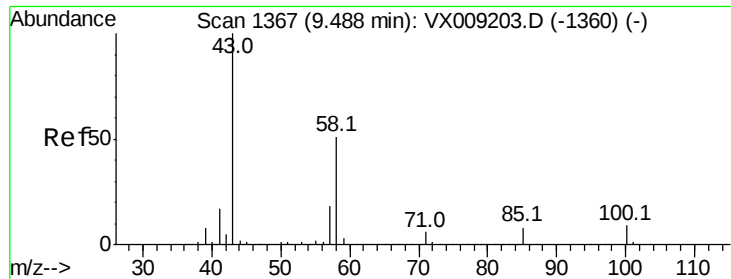
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#58
 2-Chloroethyl Vinyl ether
 Concen: 242.577 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009791.D
 Acq: 22 May 2019 09:17

Tgt Ion: 63 Resp: 418309
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.7 29.5





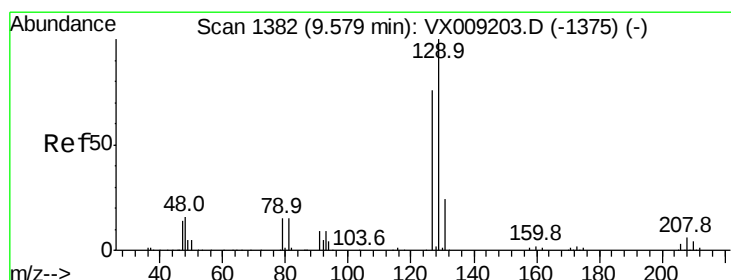
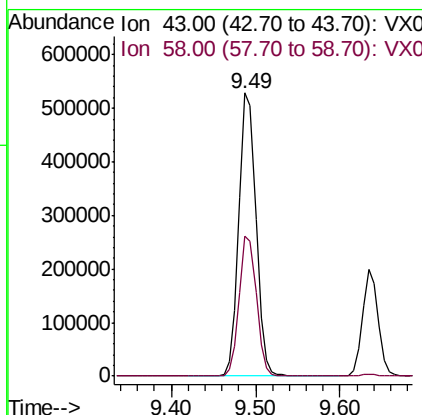
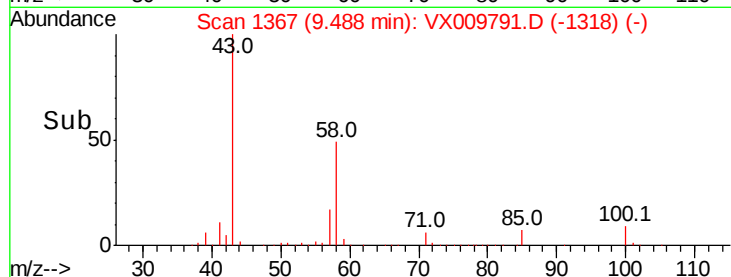
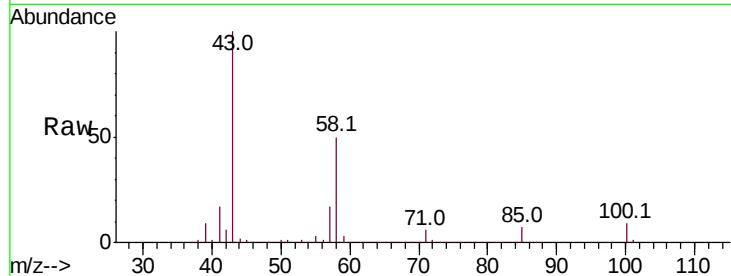
#59
2-Hexanone
Concen: 265.822 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 721568
Ion Ratio Lower Upper
43 100
58 49.8 25.9 77.7

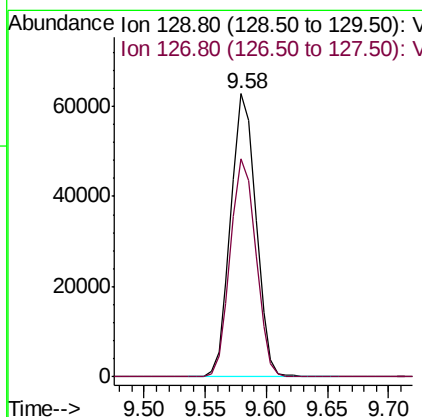
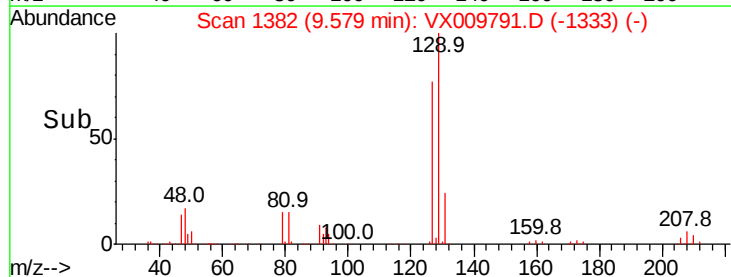
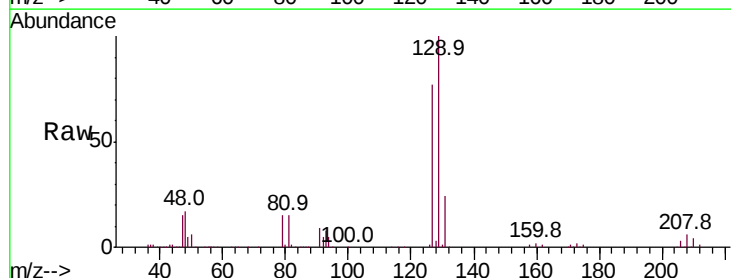
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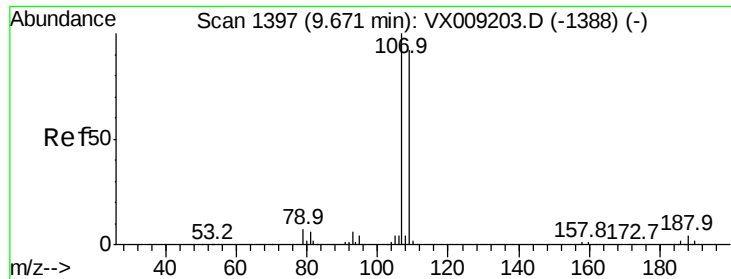
MMDadoda
5/22/2019 11:39:46 AM



#60
Dibromochloromethane
Concen: 50.632 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion: 129 Resp: 90051
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.1





#61

1,2-Dibromoethane

Concen: 50.416 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 92674

Ion Ratio Lower Upper

107 100

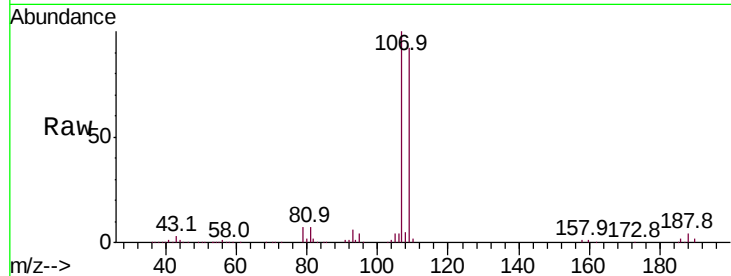
109 92.8 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

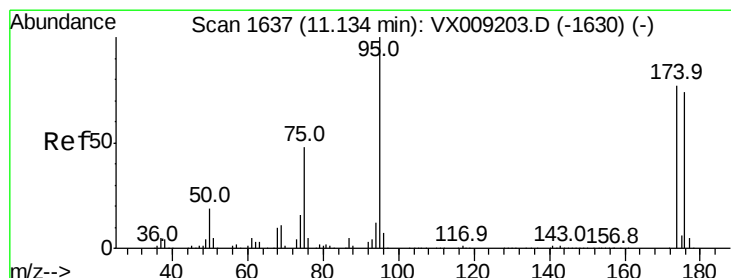
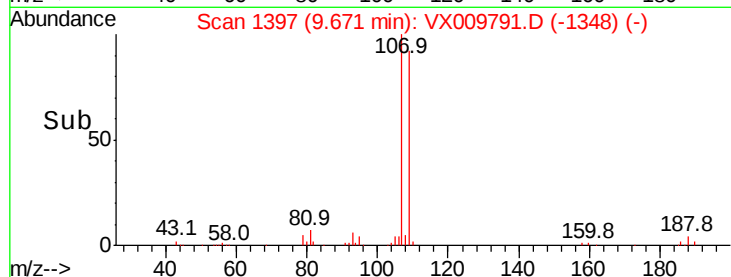
40000

20000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 49.472 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

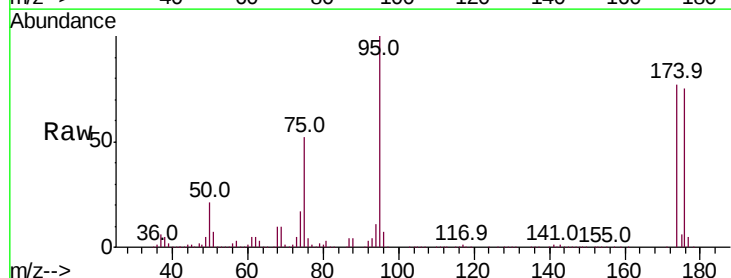
Tgt Ion: 95 Resp: 116481

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

176 79.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

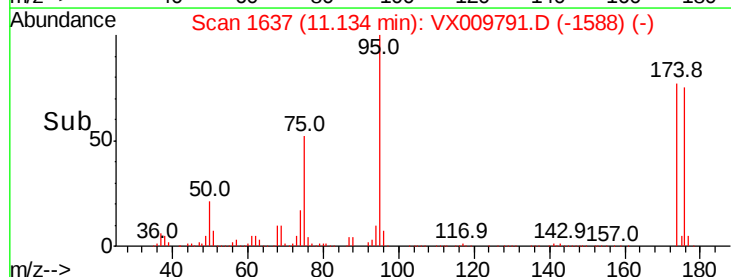
40000

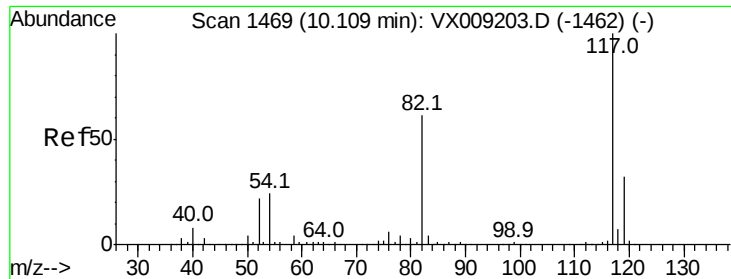
20000

0

11.10 11.20

Time-->





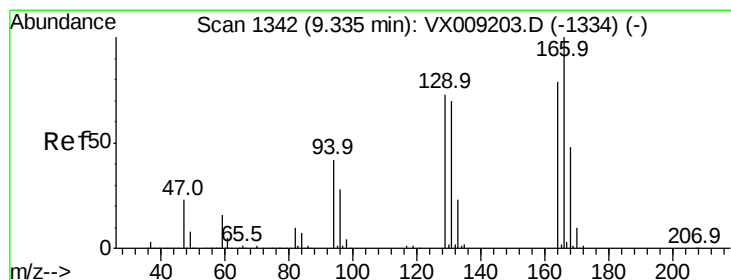
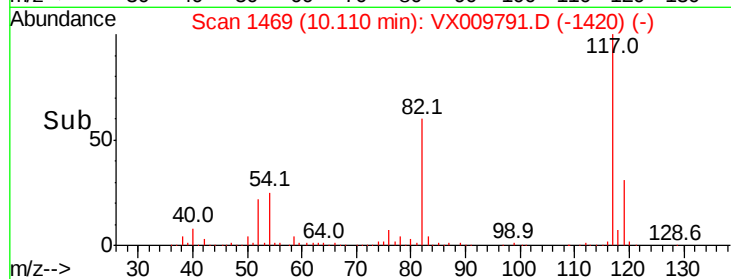
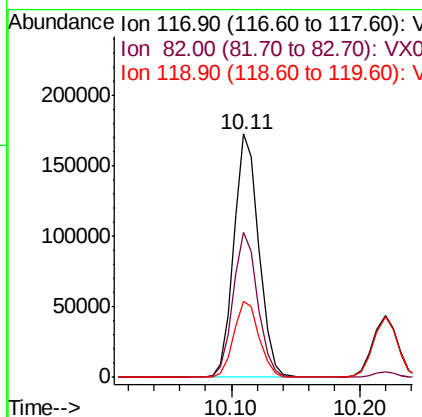
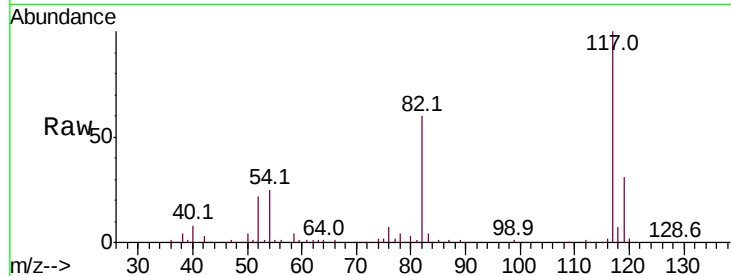
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	48.8	73.2
119	31.4	25.8	38.6

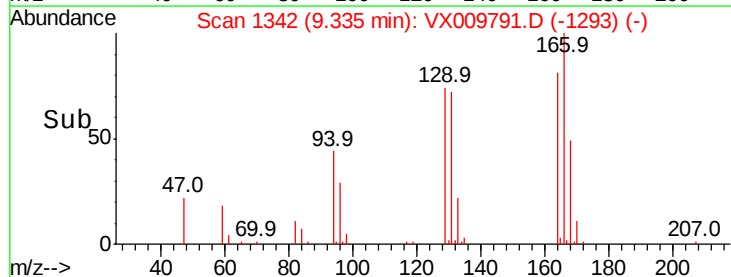
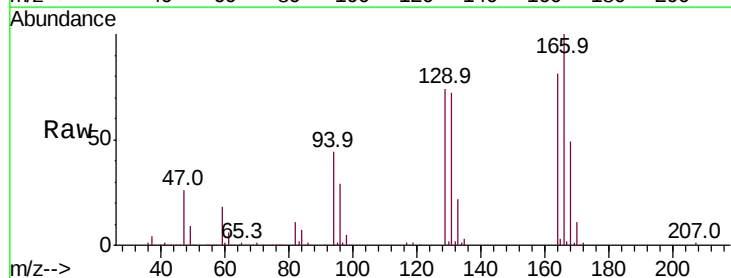
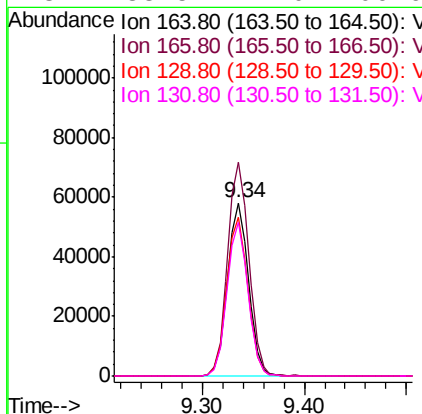
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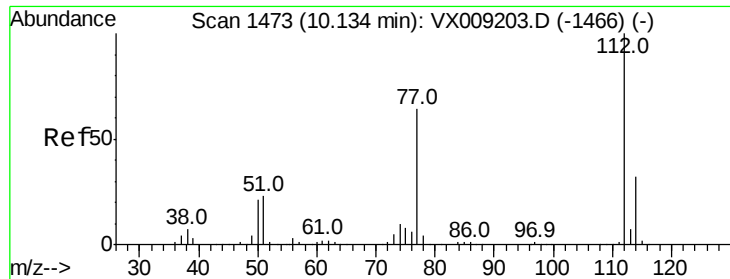
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#64
Tetrachloroethene
Concen: 51.649 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	101.2	151.8
129	91.4	74.3	111.5
131	88.5	71.0	106.6





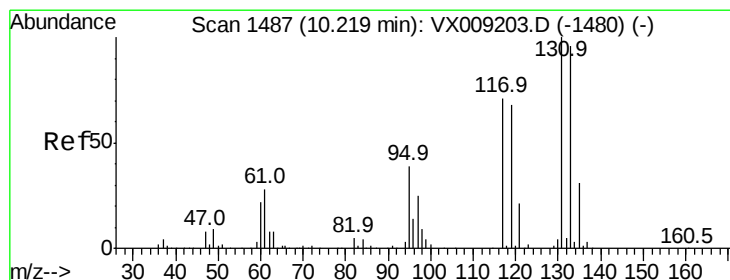
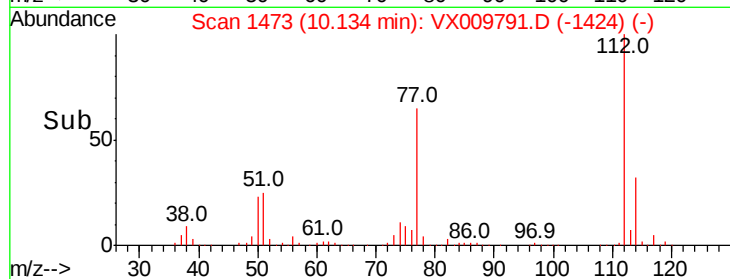
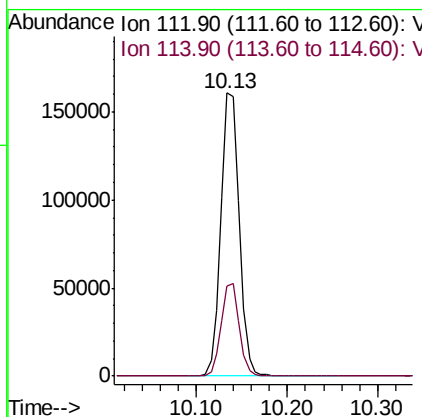
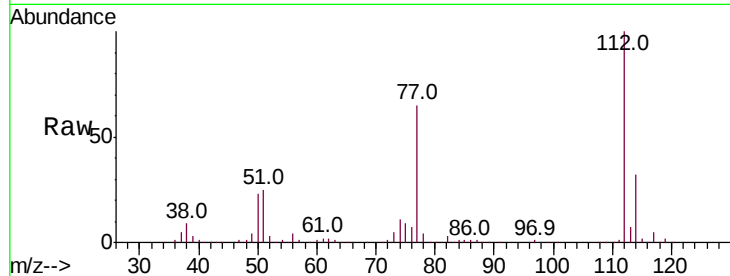
#65
Chlorobenzene
Concen: 48.851 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 228000
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3

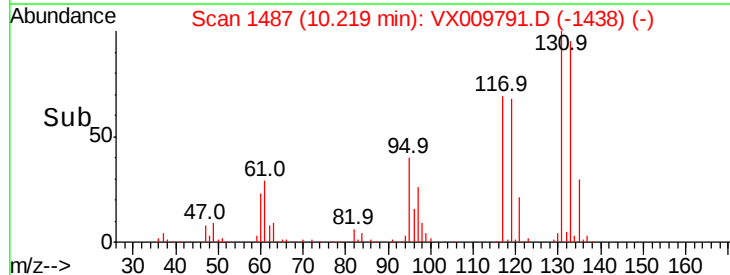
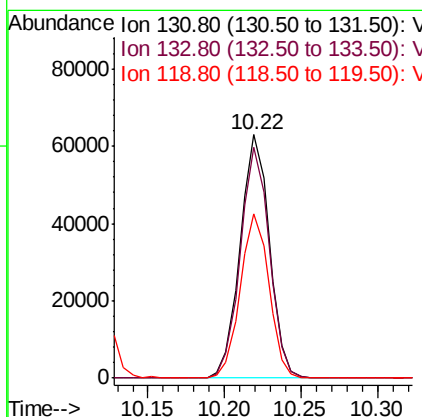
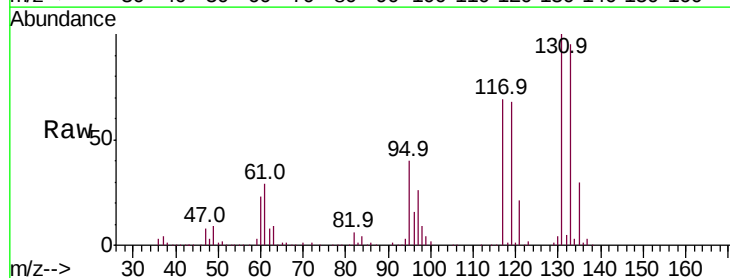
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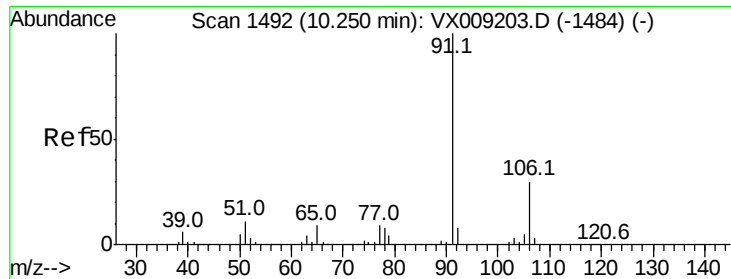
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.440 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion:131 Resp: 83655
Ion Ratio Lower Upper
131 100
133 94.0 47.7 143.1
119 66.5 33.5 100.4





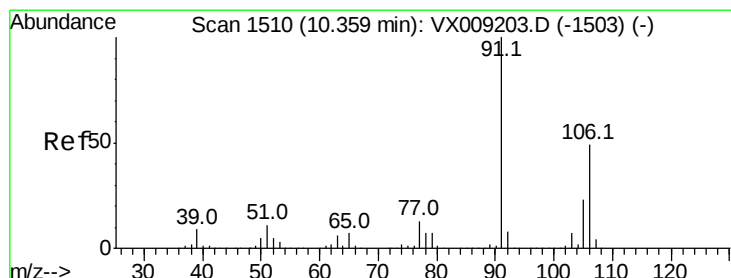
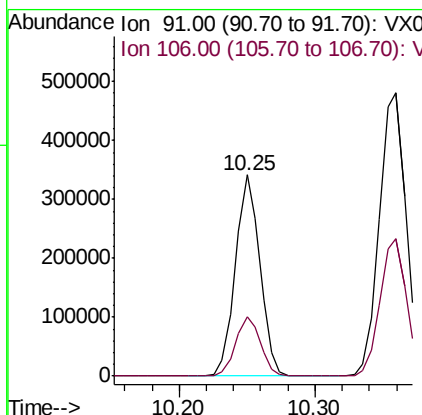
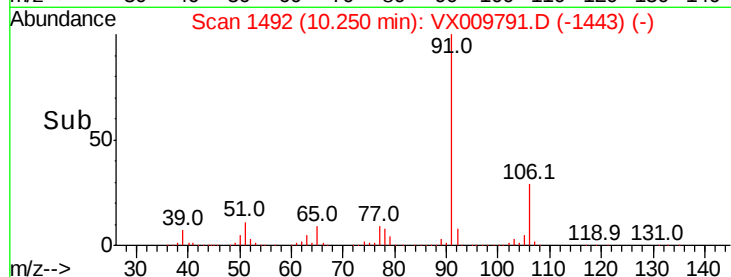
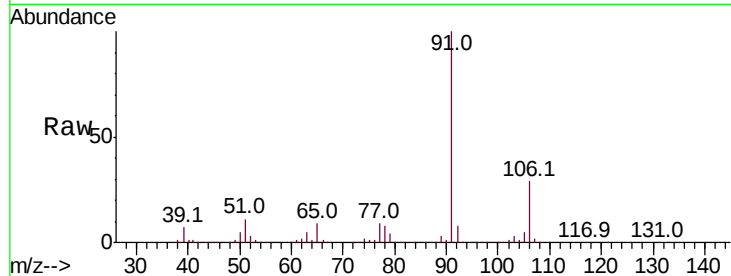
#67
Ethyl Benzene
Concen: 49.988 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 429369
Ion Ratio Lower Upper
91 100
106 29.4 24.0 36.0

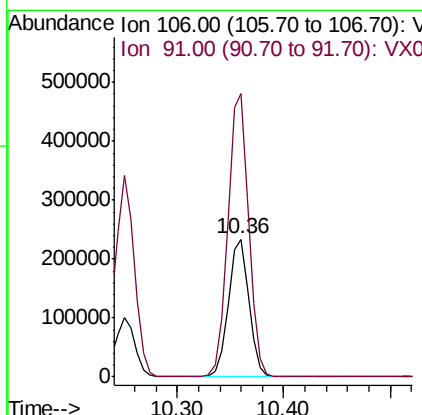
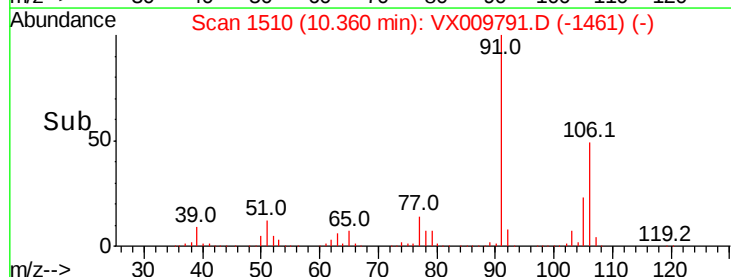
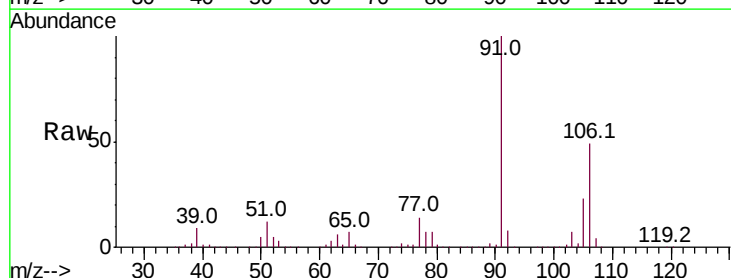
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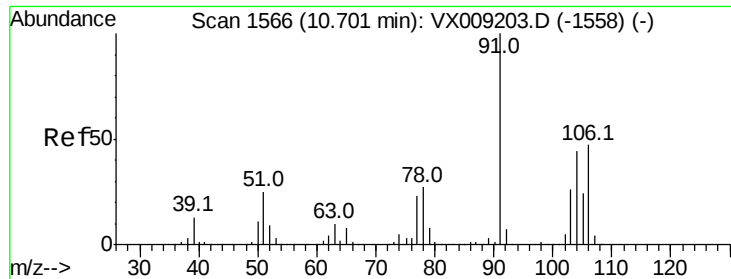
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#68
m/p-Xylenes
Concen: 100.682 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion: 106 Resp: 316027
Ion Ratio Lower Upper
106 100
91 208.3 164.0 246.0





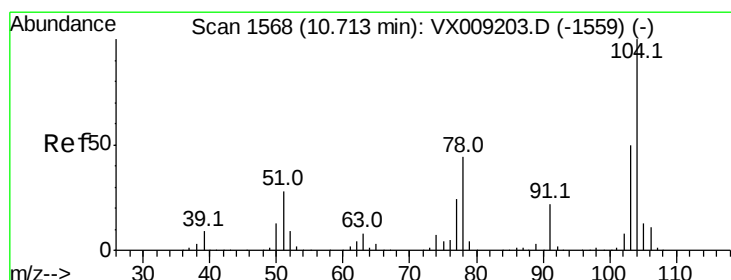
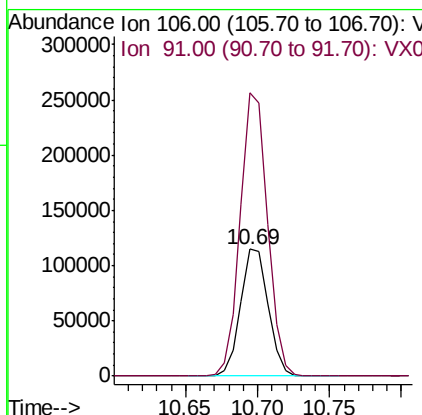
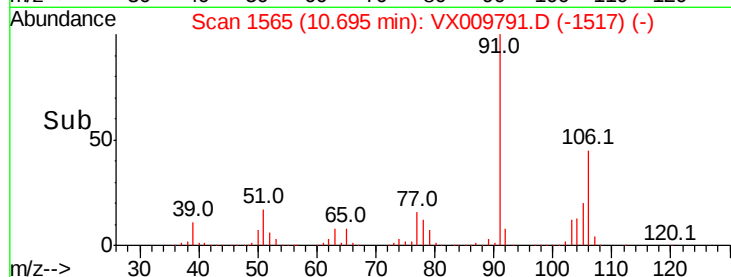
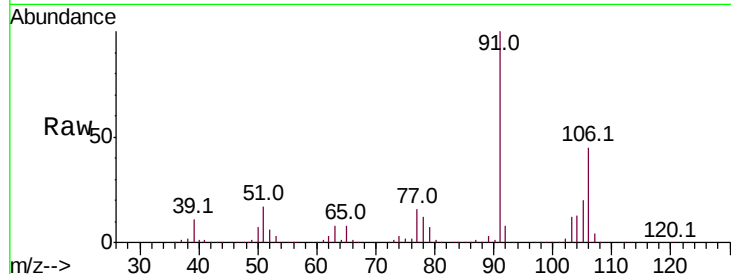
#69
o-Xylene
Concen: 49.697 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 153911
Ion Ratio Lower Upper
106 100
91 219.8 109.5 328.4

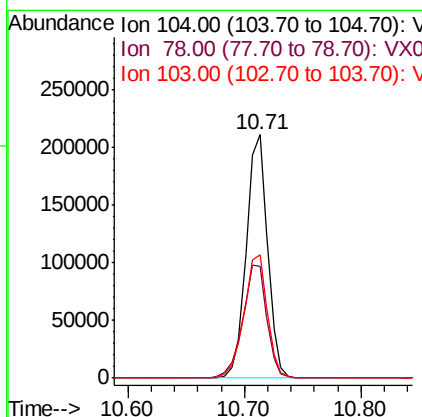
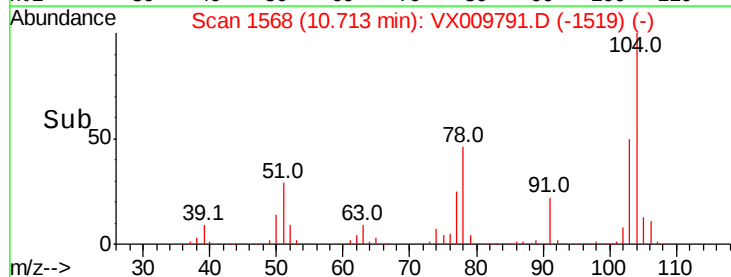
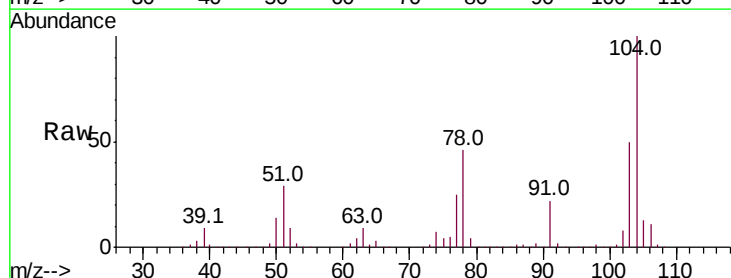
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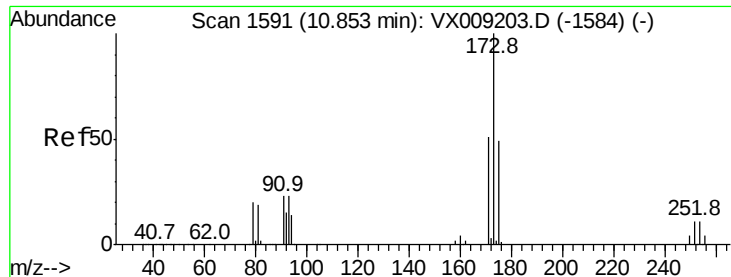
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#70
Styrene
Concen: 50.155 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion:104 Resp: 269974
Ion Ratio Lower Upper
104 100
78 52.8 41.0 61.4
103 55.6 43.8 65.6





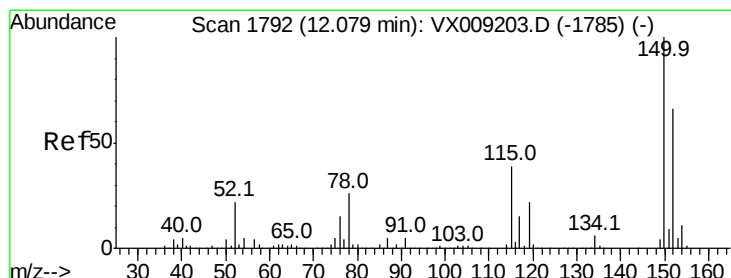
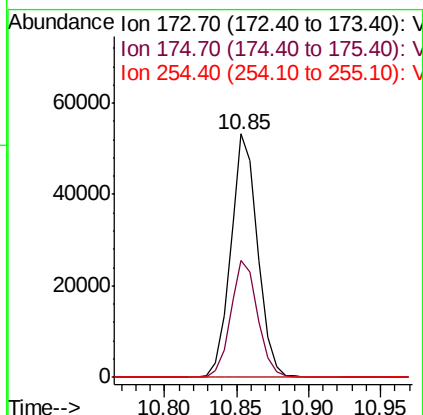
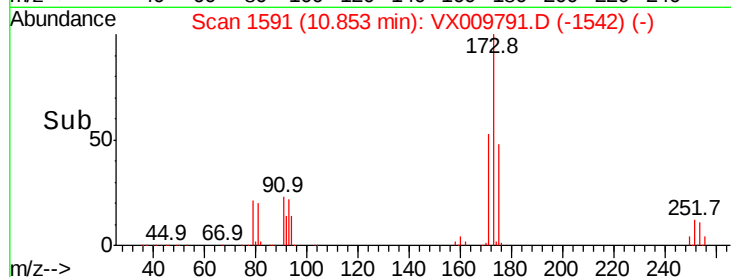
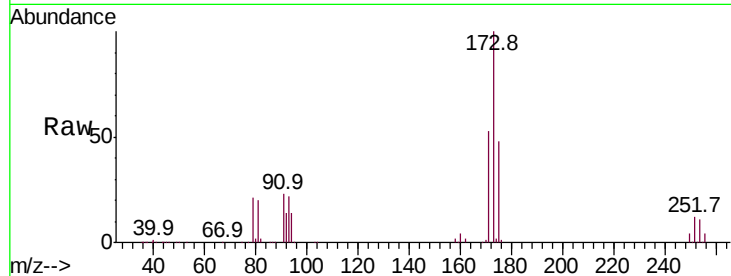
#71
Bromoform
Concen: 50.353 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.5	73.5
254	0.1	0.1	0.1

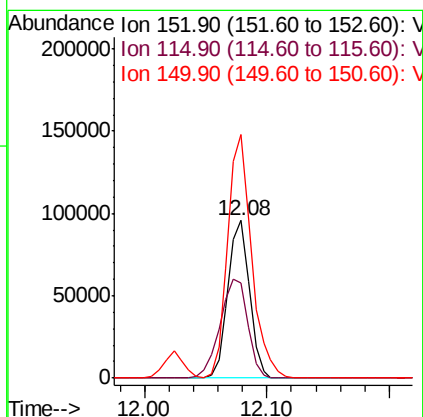
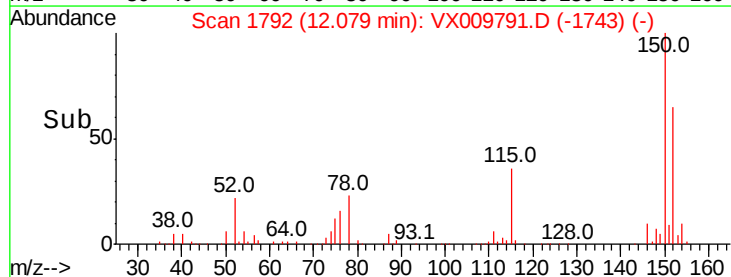
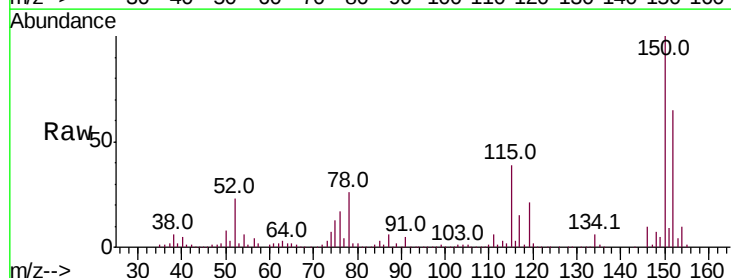
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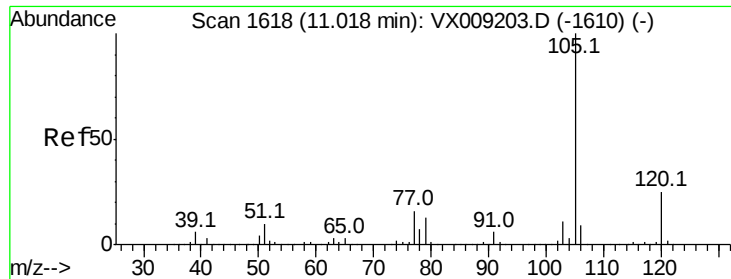
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.8	41.2	123.6
150	171.2	0.0	346.4





#73

Isopropylbenzene

Concen: 48.355 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 408534

Ion Ratio Lower Upper

105 100

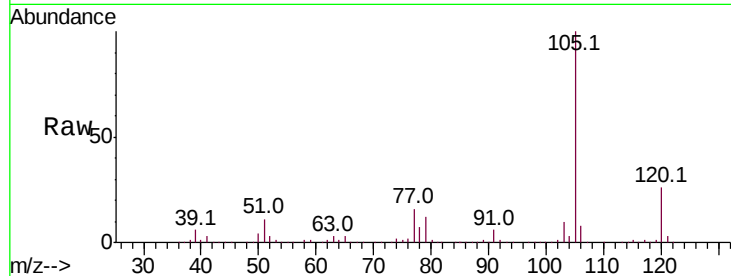
120 25.8 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

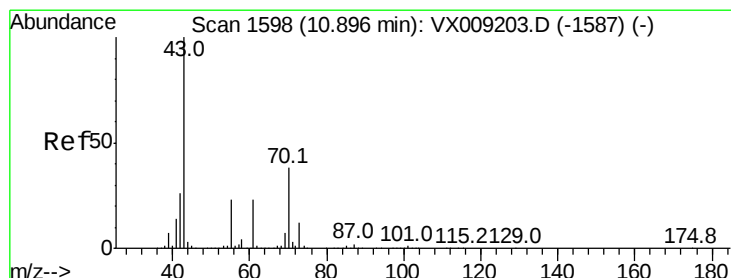
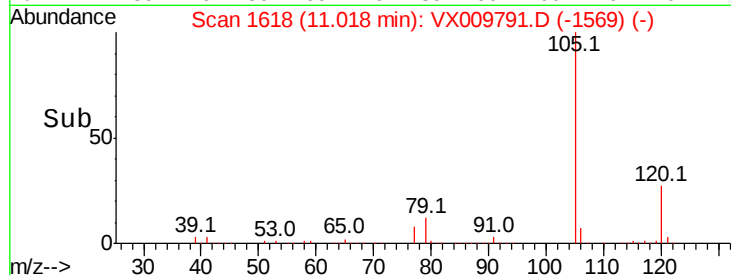
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 50.988 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Tgt Ion: 43 Resp: 251148

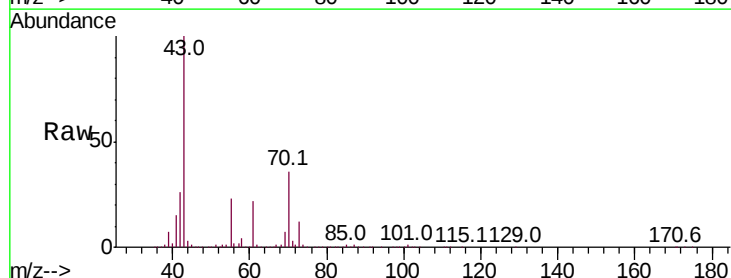
Ion Ratio Lower Upper

43 100

70 36.1 30.0 45.0

55 22.6 17.9 26.9

61 21.9 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.90

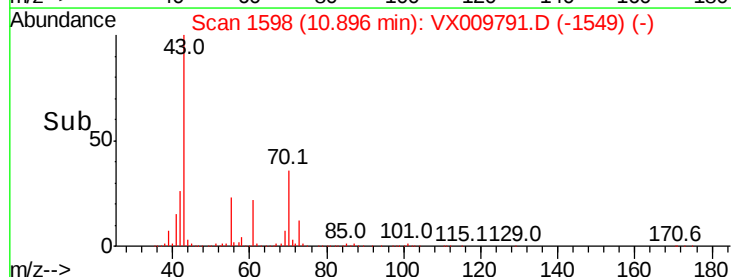
300000

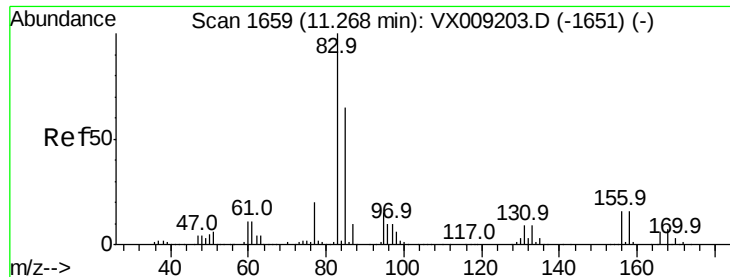
200000

100000

0

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 48.305 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 152139

Ion Ratio Lower Upper

83 100

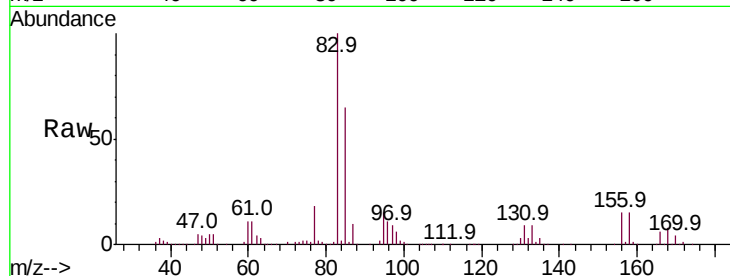
131 9.3 4.6 13.8

85 64.5 32.0 96.2

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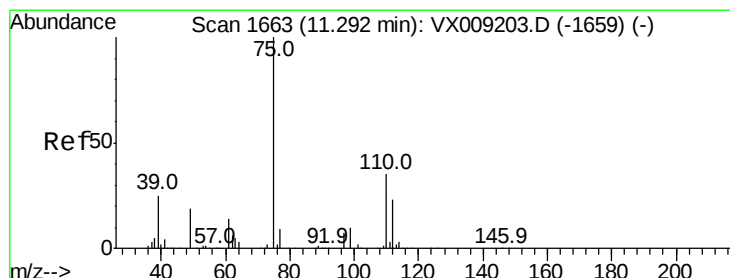
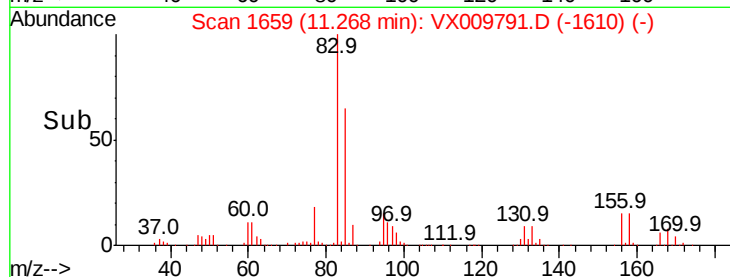
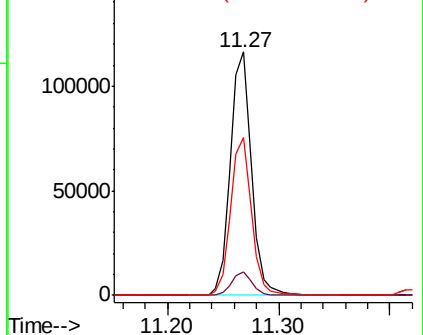
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 48.735 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009791.D

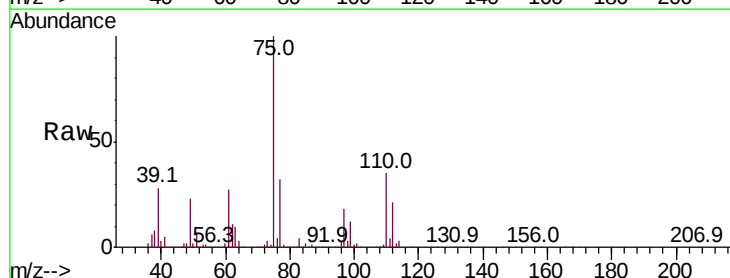
Acq: 22 May 2019 09:17

Tgt Ion: 75 Resp: 131341

Ion Ratio Lower Upper

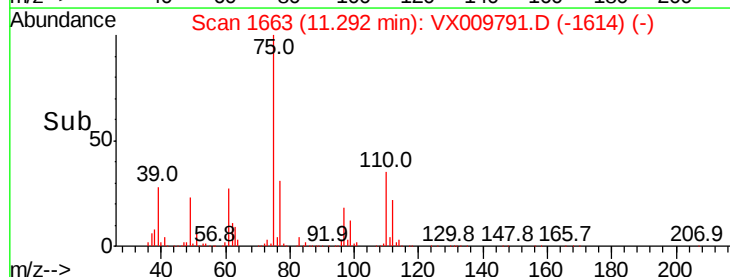
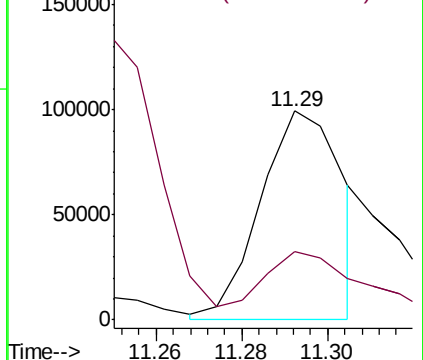
75 100

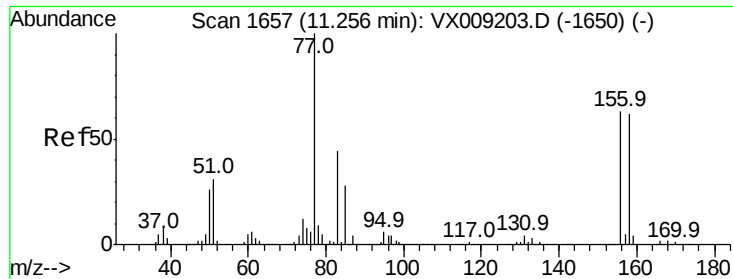
77 41.6 22.1 66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.677 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 102076

Ion Ratio Lower Upper

156 100

77 169.8 84.8 254.3

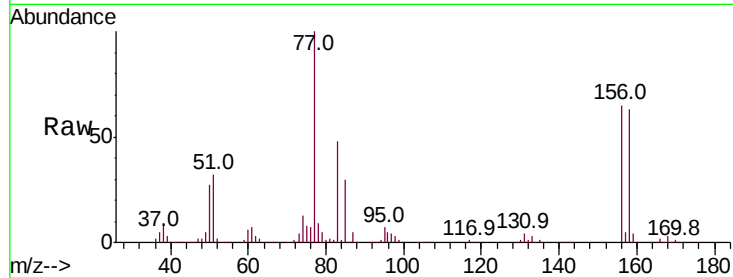
158 97.5 49.1 147.3

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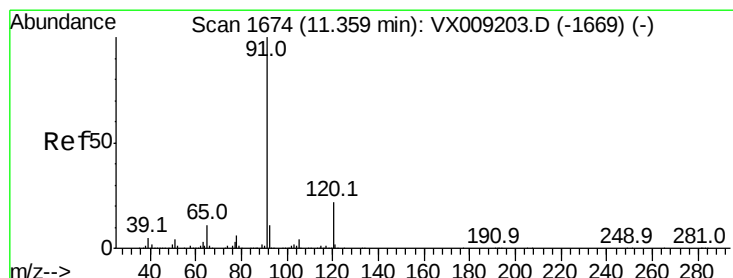
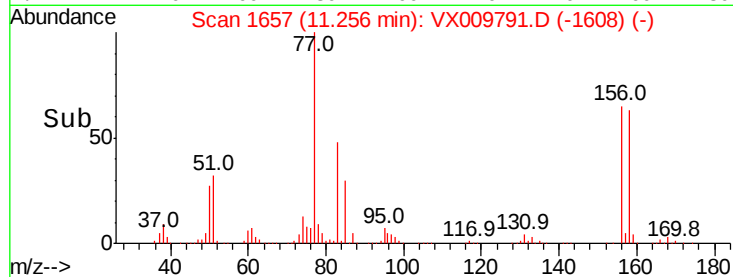
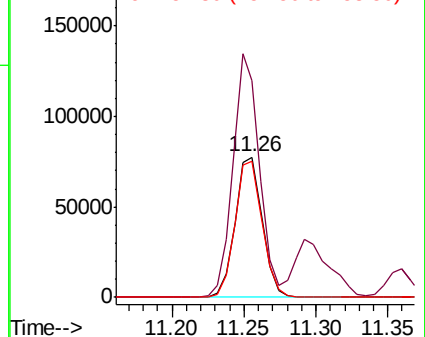
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.833 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009791.D

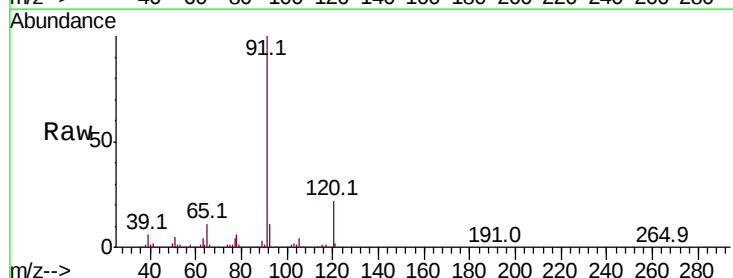
Acq: 22 May 2019 09:17

Tgt Ion: 91 Resp: 471181

Ion Ratio Lower Upper

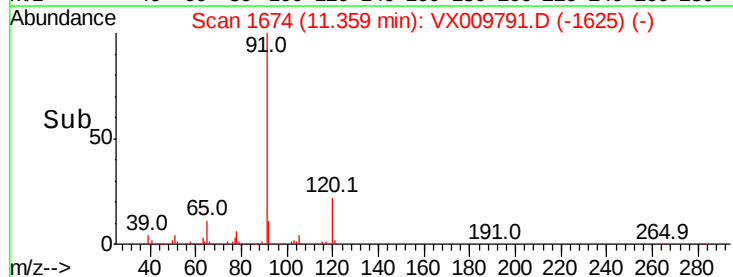
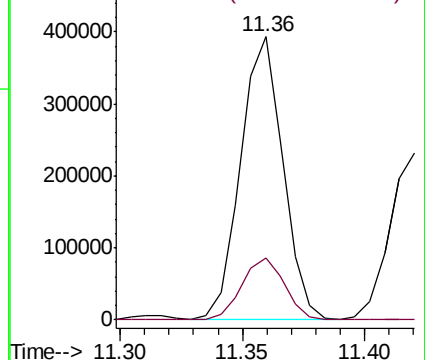
91 100

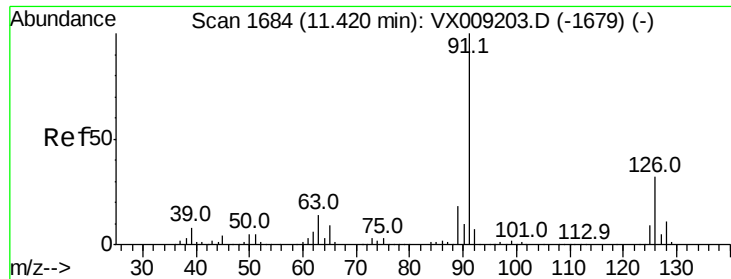
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.299 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 281561

Ion Ratio Lower Upper

91 100

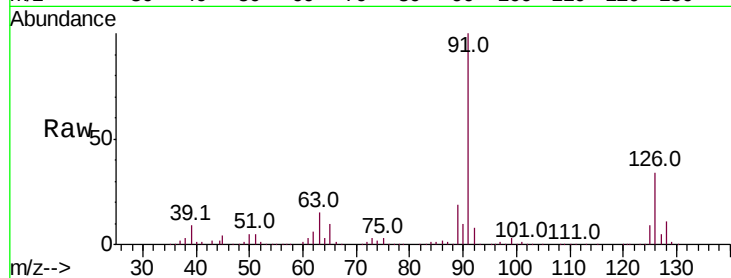
126 33.0 16.3 48.9

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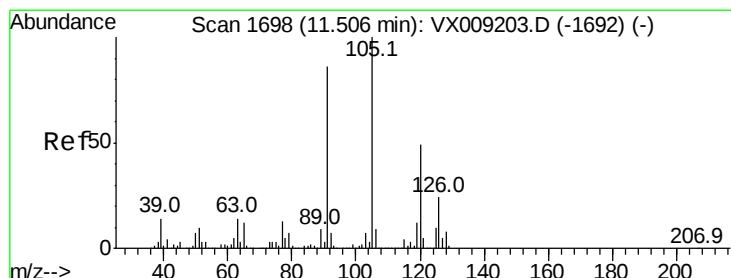
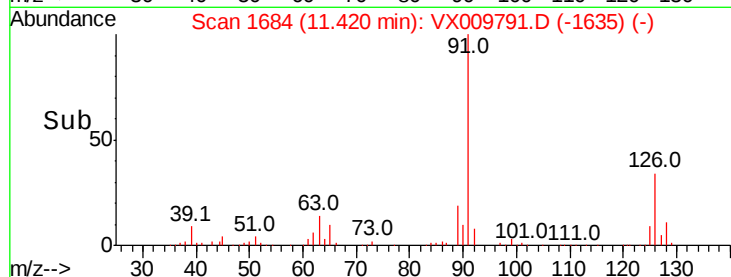
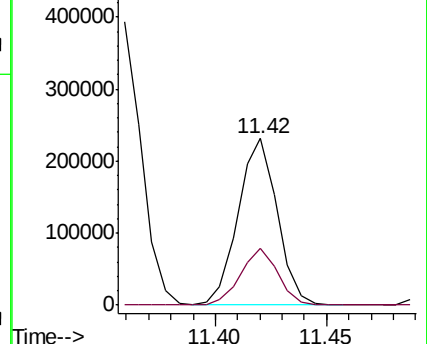
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.884 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009791.D

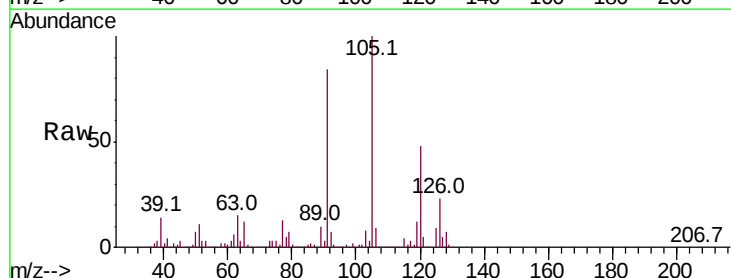
Acq: 22 May 2019 09:17

Tgt Ion:105 Resp: 347750

Ion Ratio Lower Upper

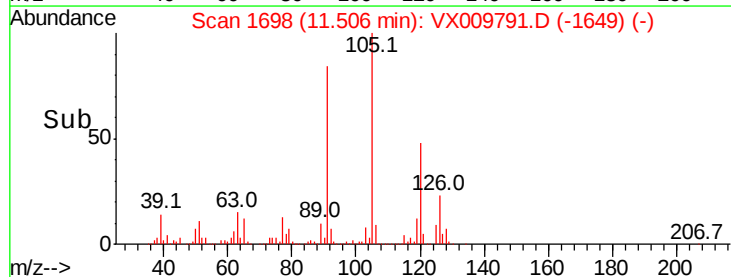
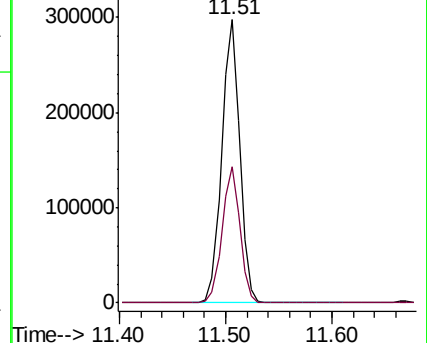
105 100

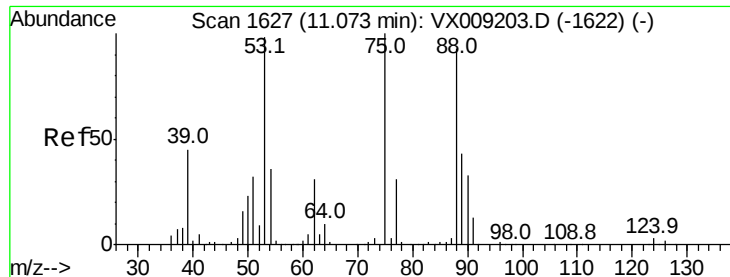
120 47.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





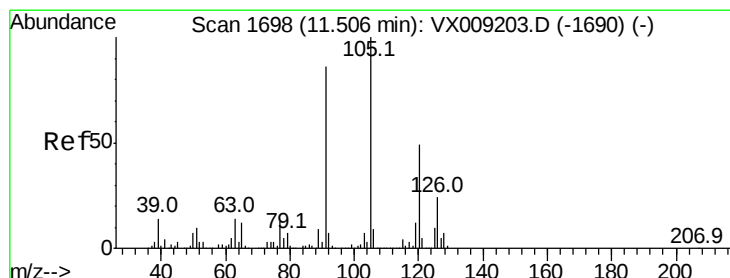
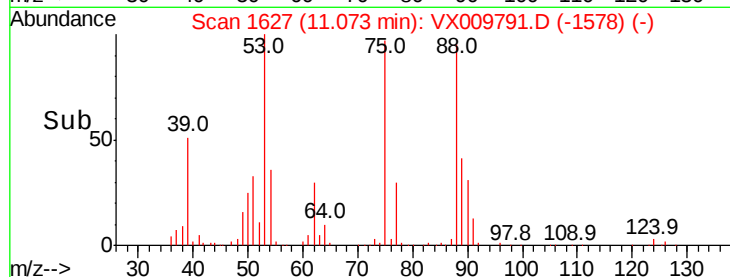
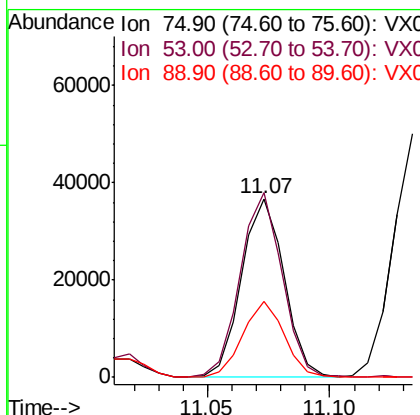
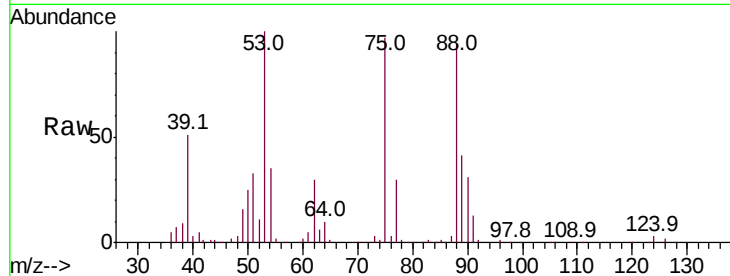
#81
trans-1,4-Dichloro-2-butene
Concen: 42.228 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.5	79.0	118.6
89	41.6	34.7	52.1

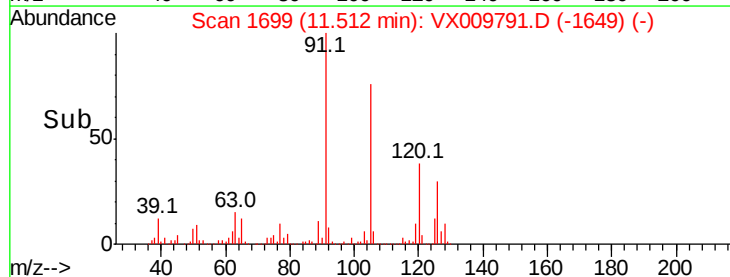
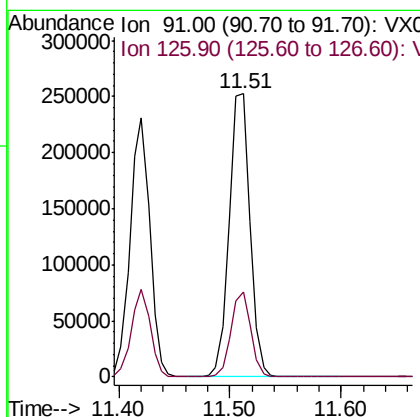
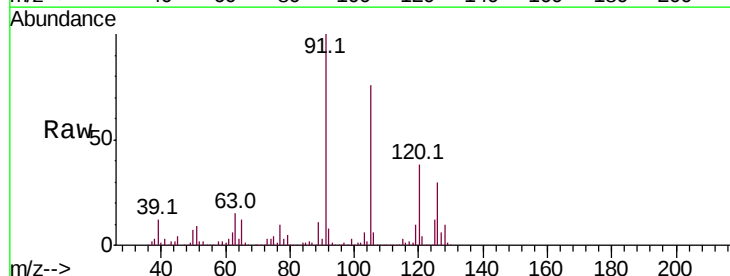
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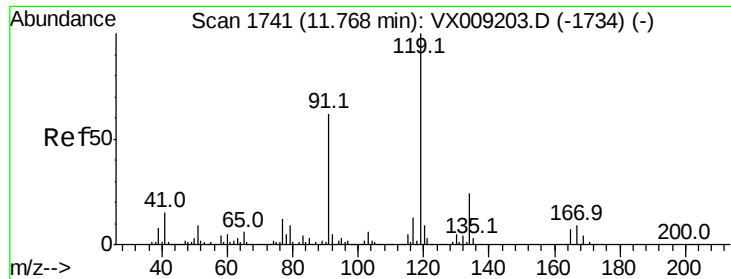
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#82
4-Chlorotoluene
Concen: 48.489 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.5	43.6





#83

tert-Butylbenzene

Concen: 47.316 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

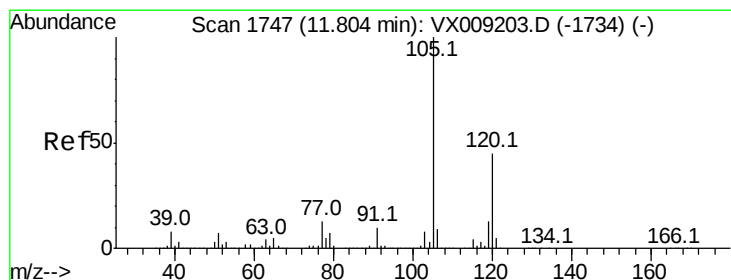
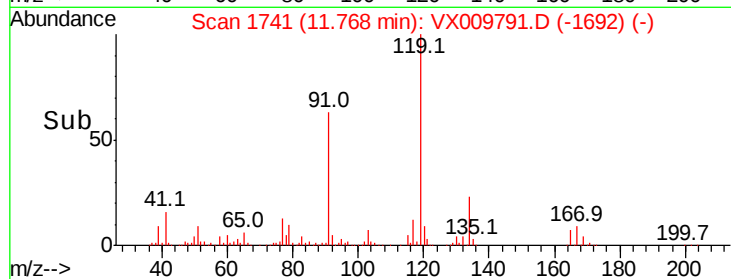
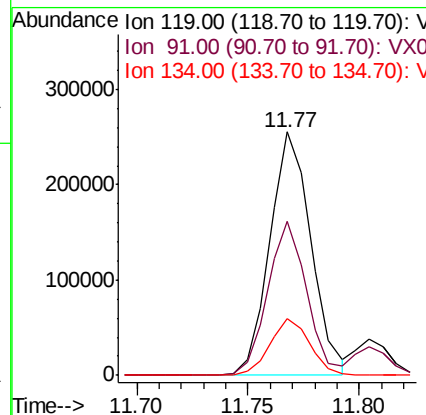
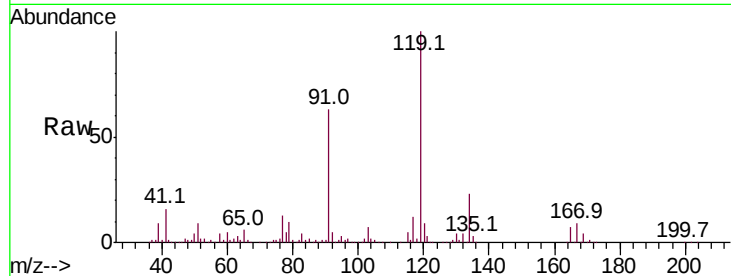
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	327443
Ion Ratio	Lower	Upper	
119	100		
91	60.3	29.5	88.5
134	22.8	11.4	34.1

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#84

1,2,4-Trimethylbenzene

Concen: 49.304 ug/l

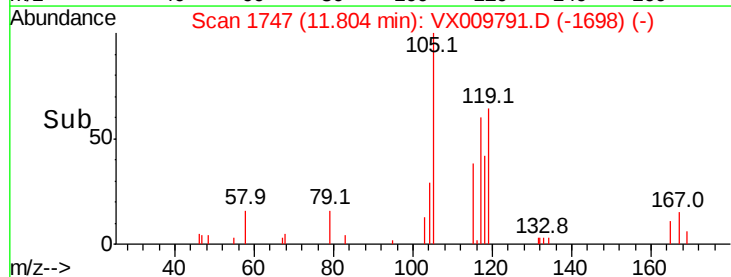
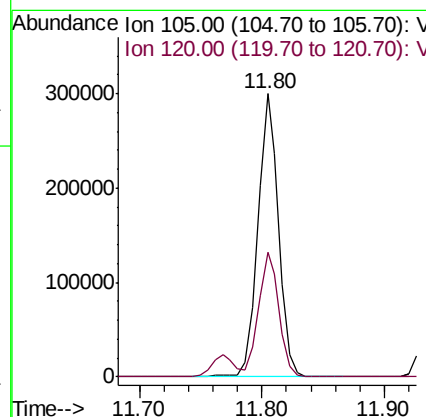
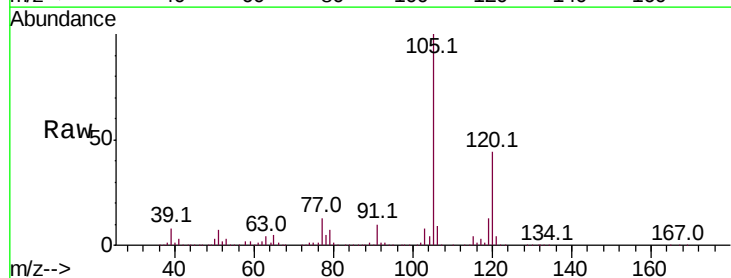
RT: 11.80 min Scan# 1747

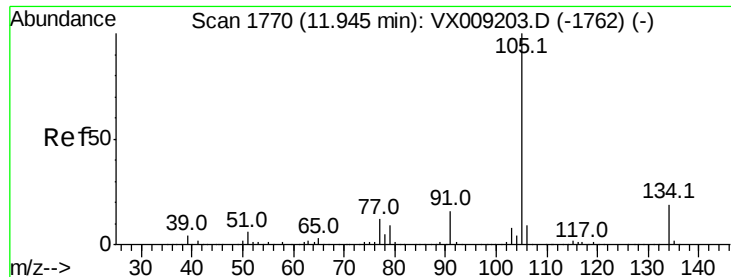
Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Tgt Ion:	105	Resp:	352057
Ion Ratio	Lower	Upper	
105	100		
120	43.5	22.0	66.0





#85

sec-Butylbenzene

Concen: 47.801 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 392186

Ion Ratio Lower Upper

105 100

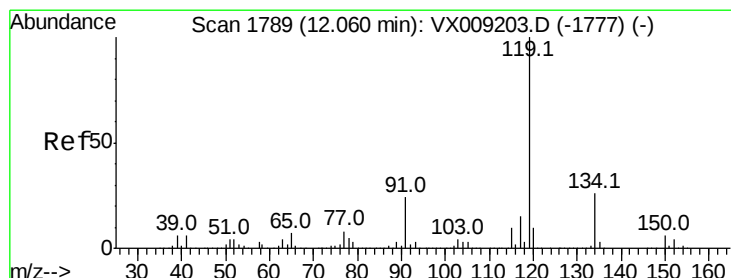
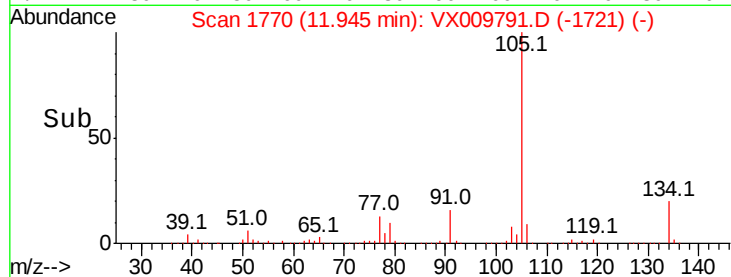
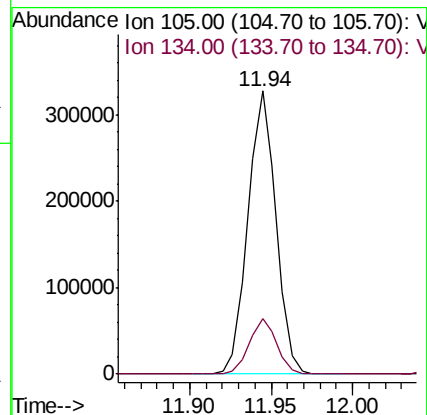
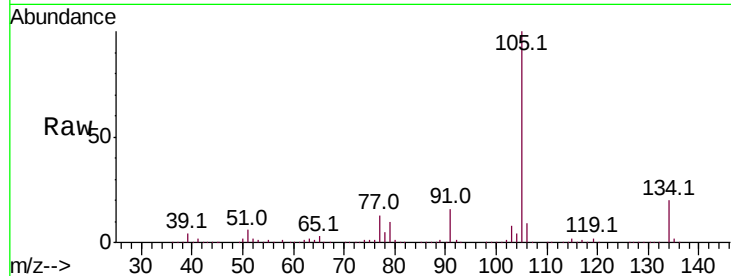
134 19.3 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 47.959 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009791.D

Acq: 22 May 2019 09:17

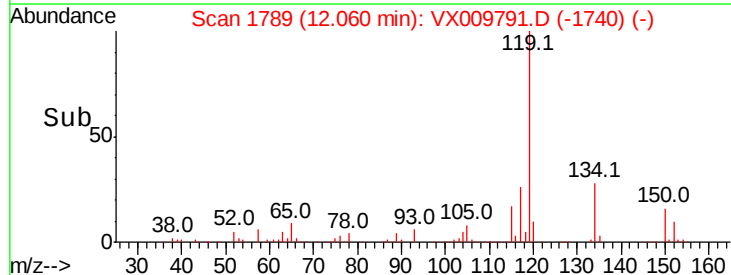
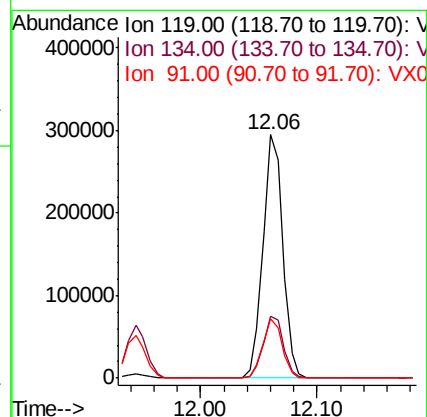
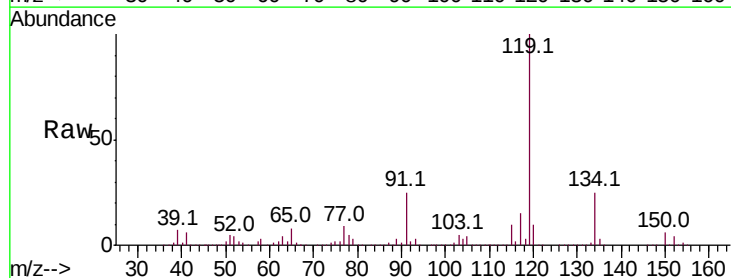
Tgt Ion:119 Resp: 353737

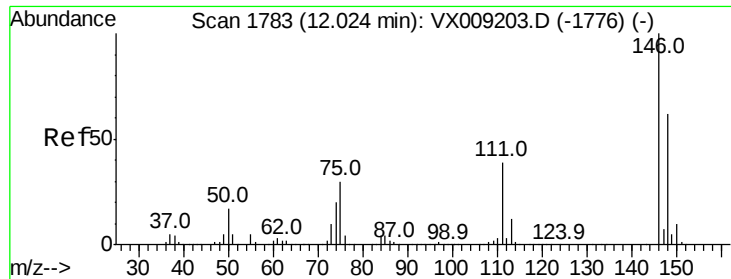
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 24.0 11.8 35.4





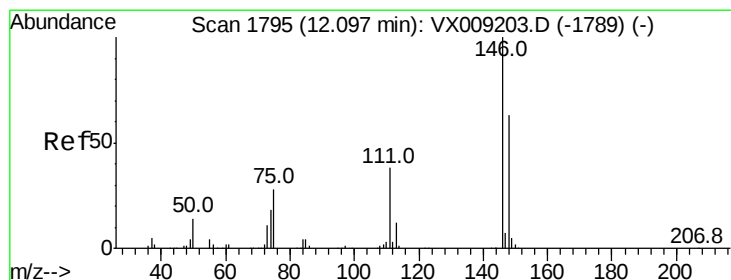
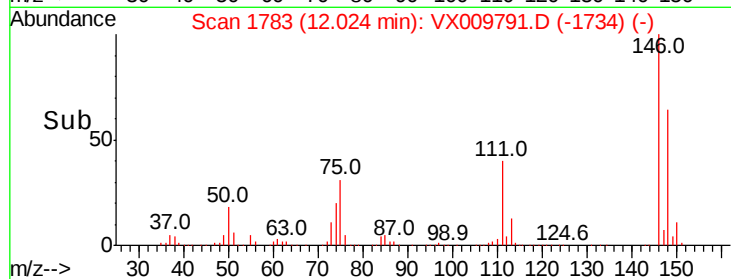
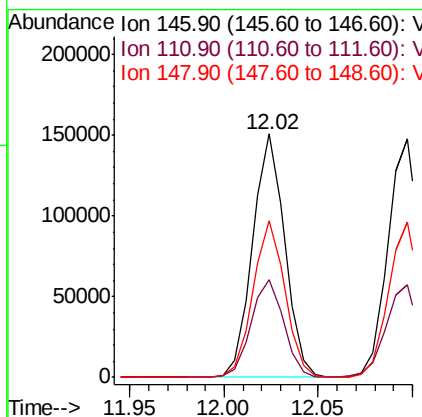
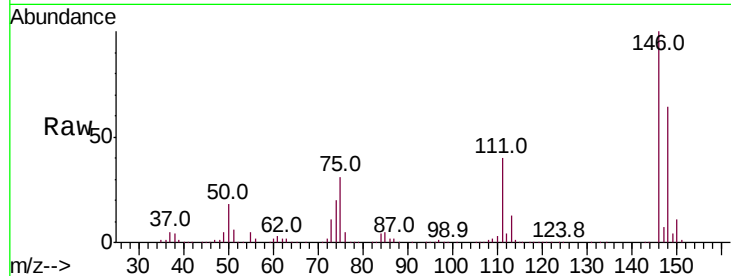
#87
 1,3-Dichlorobenzene
 Concen: 47.743 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009791.D
 Acq: 22 May 2019 09:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	59.9
148	64.0	31.8	95.3

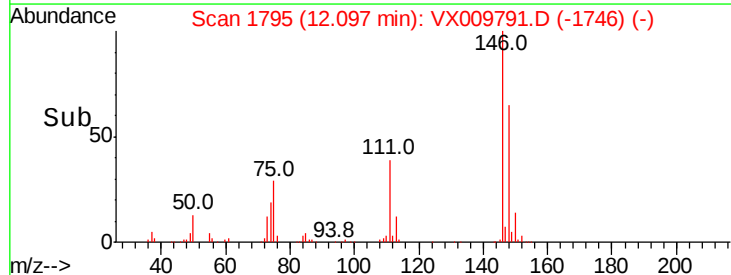
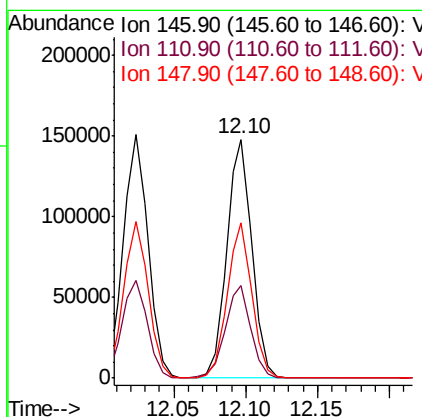
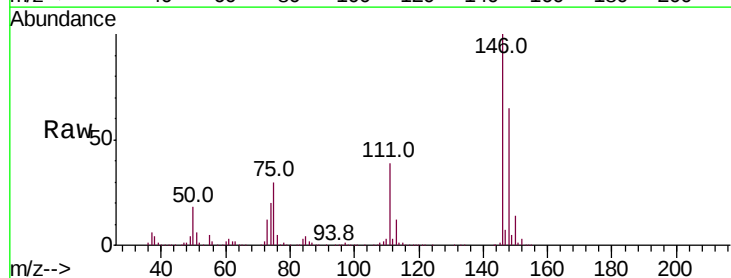
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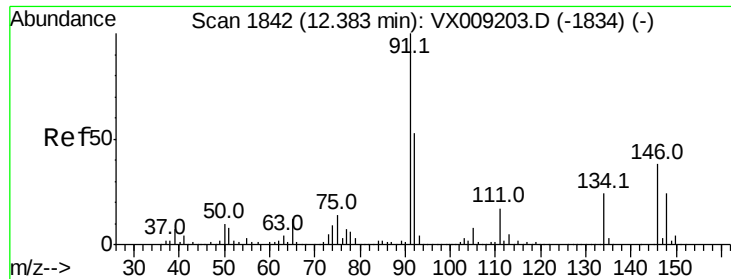
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#88
 1,4-Dichlorobenzene
 Concen: 48.084 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009791.D
 Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.8
148	63.7	31.8	95.3





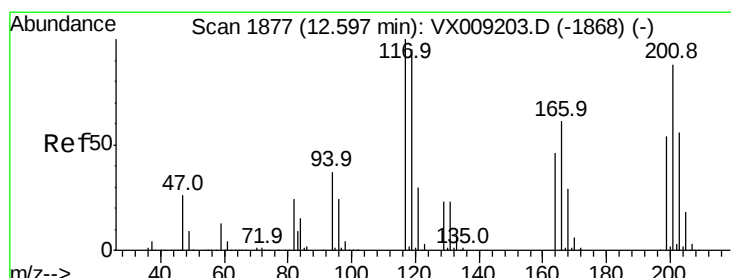
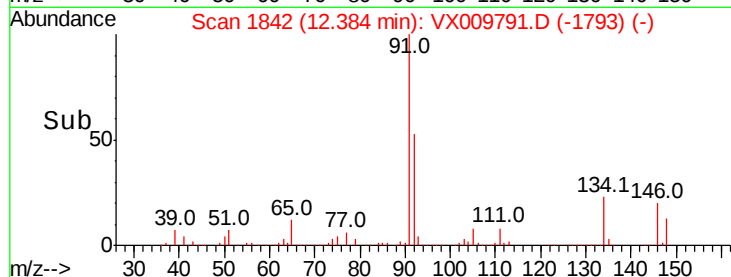
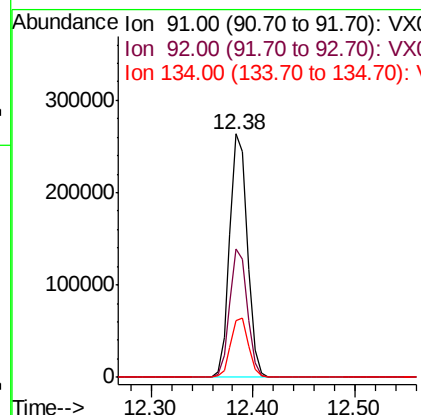
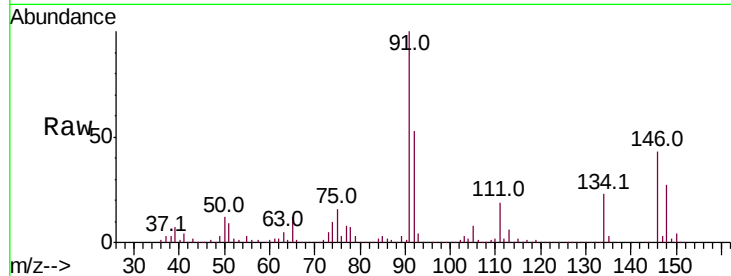
#89
n-Butylbenzene
Concen: 47.599 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	24.5	12.4	37.2

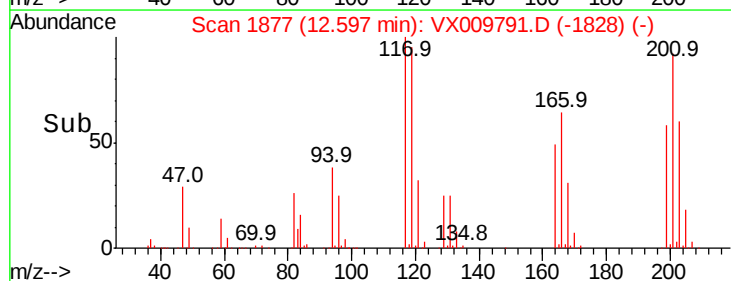
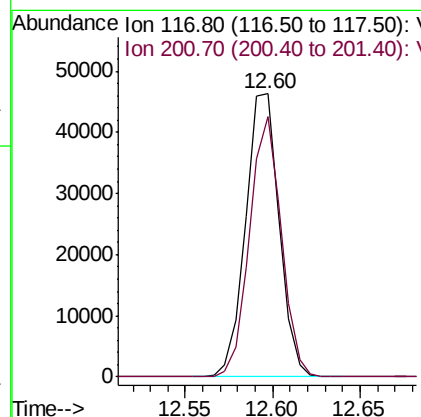
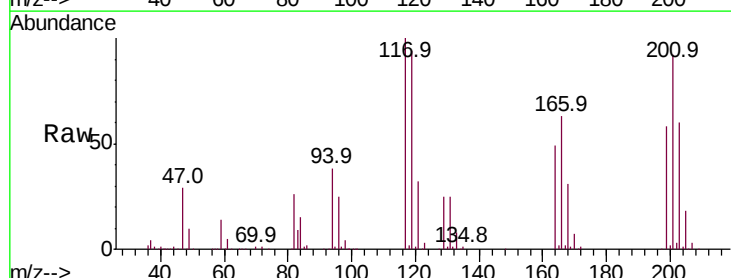
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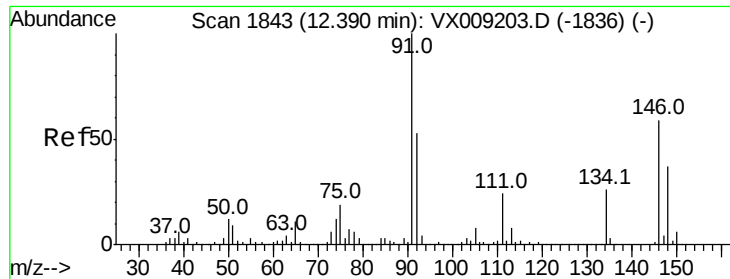
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#90
Hexachloroethane
Concen: 49.133 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.7	42.3	126.9





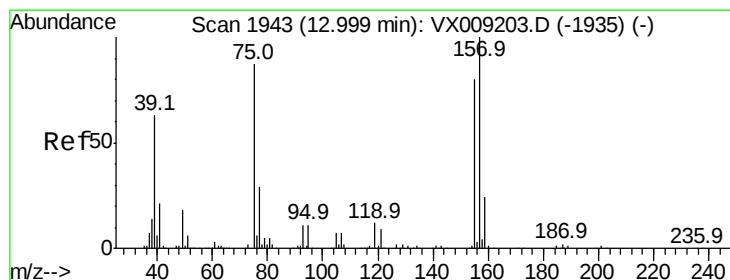
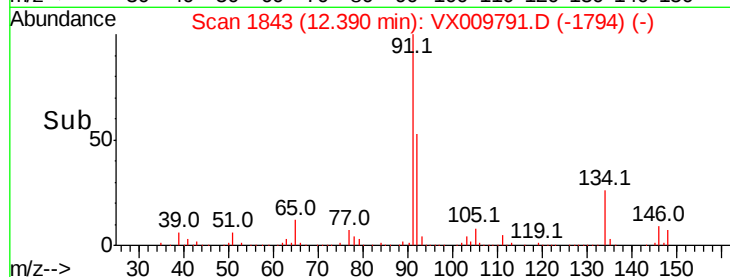
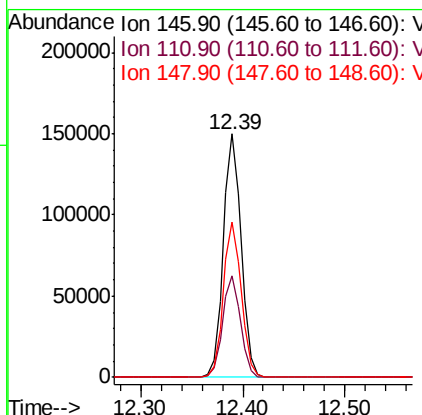
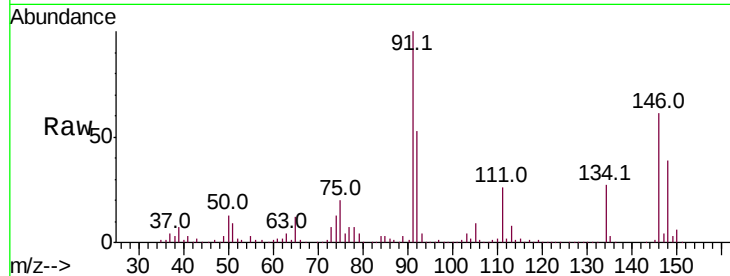
#91
 1,2-Dichlorobenzene
 Concen: 48.013 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009791.D
 Acq: 22 May 2019 09:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.4
148	63.6	31.9	95.9

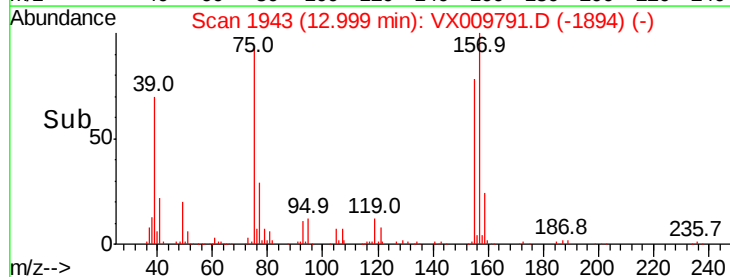
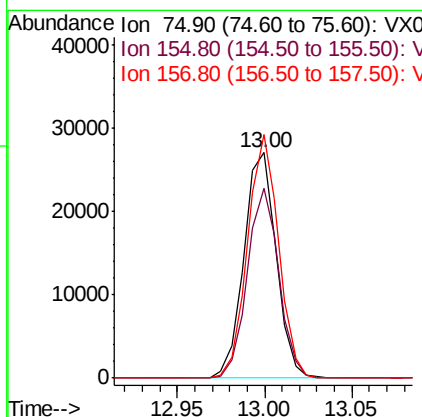
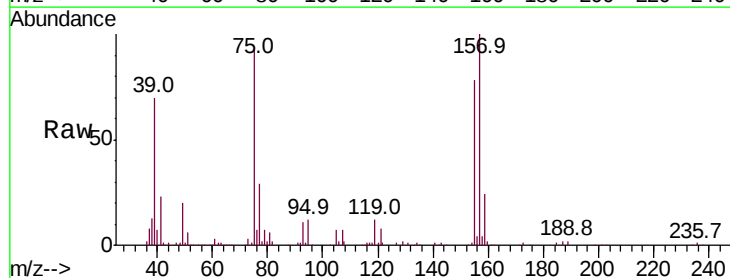
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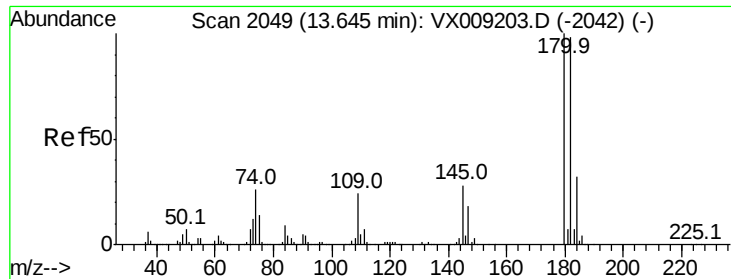
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.174 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009791.D
 Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	42.0	126.0
157	103.4	53.2	159.6





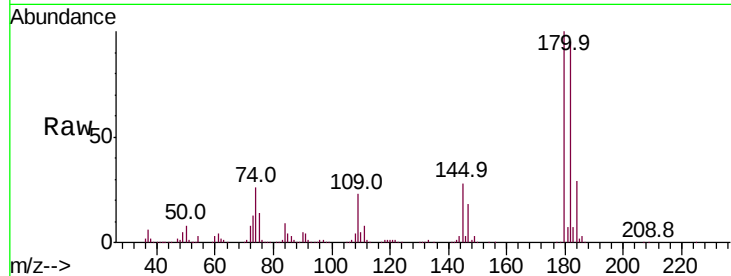
#93
 1,2,4-Trichlorobenzene
 Concen: 47.388 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009791.D
 Acq: 22 May 2019 09:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

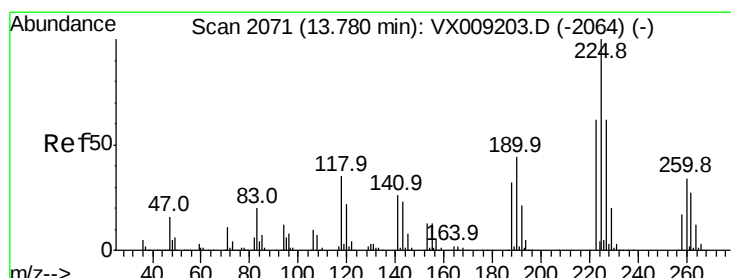
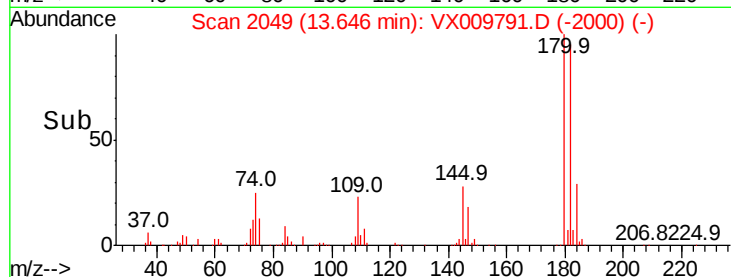
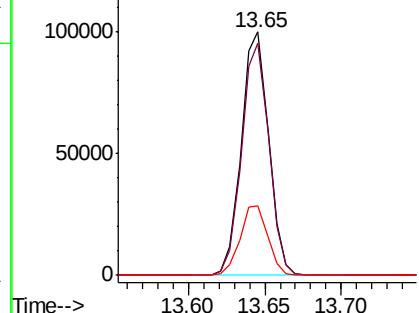
Tot Ion:	180	Resp:	123388
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.4	145.2
145	29.0	14.6	43.8

Manual Integrations
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MMDadoda
 5/22/2019 11:39:46 AM

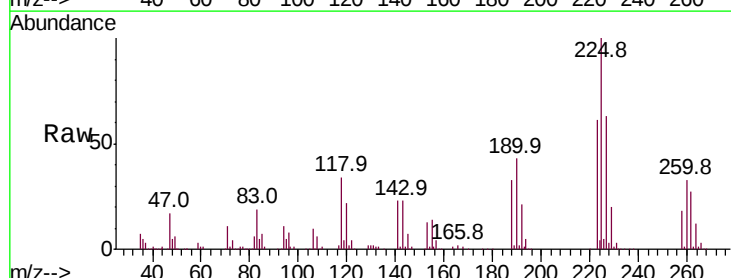


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

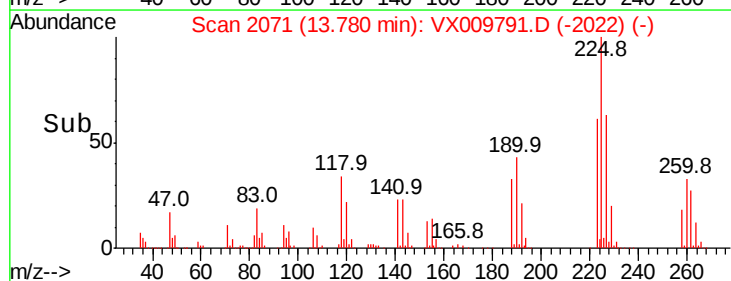
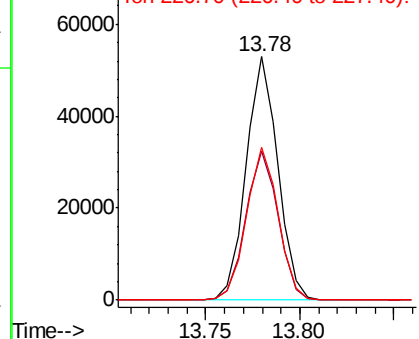


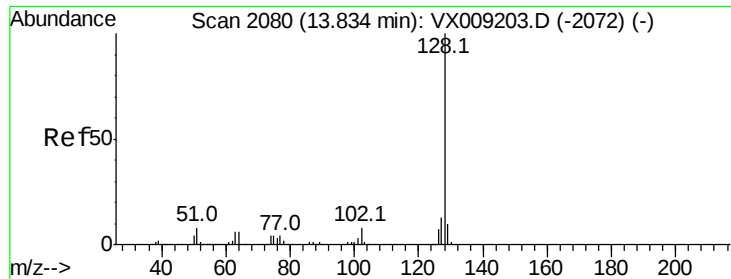
#94
 Hexachlorobutadiene
 Concen: 46.296 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009791.D
 Acq: 22 May 2019 09:17

Tgt Ion:	225	Resp:	61557
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.3	93.8
227	62.9	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





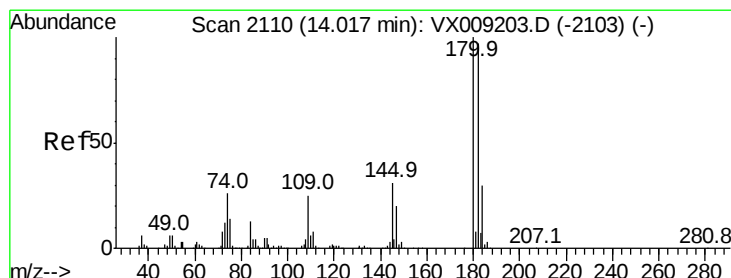
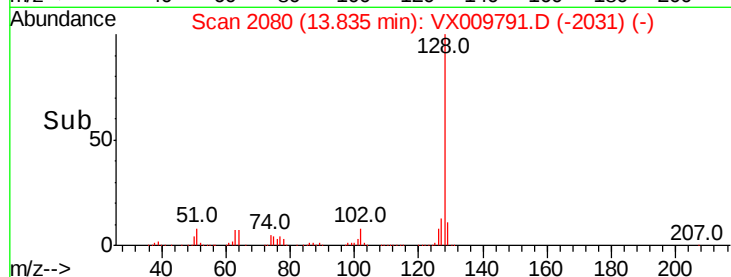
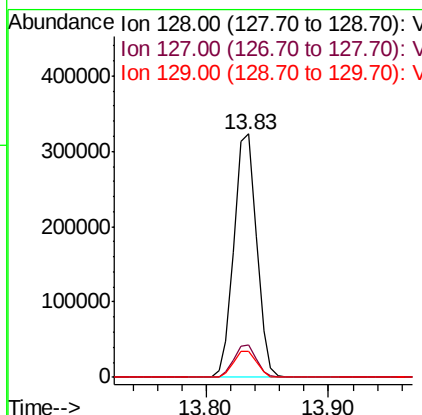
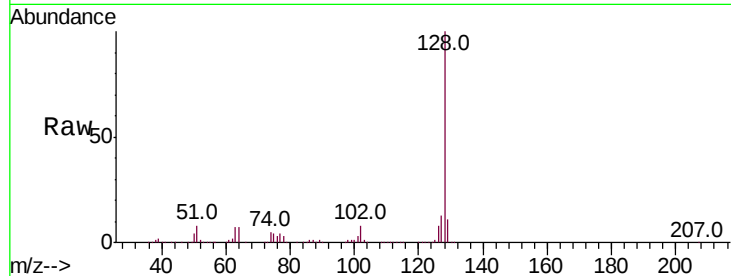
#95
Naphthalene
Concen: 48.597 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	411671		
127	13.1		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/22/2019 11:39:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.729 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009791.D
Acq: 22 May 2019 09:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	125973		
182	96.3		47.8	143.4
145	30.9		15.4	46.4

