

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012488.D
 Acq On : 18 Sep 2019 20:51
 Operator : JC/SP
 Sample : K4830-13MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Quant Time: Sep 19 06:05:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	200533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	334953	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	300705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	145600	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	131332	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	
35) Dibromofluoromethane	5.48	113	99699	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	8.71	98	354907	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
62) 4-Bromofluorobenzene	11.14	95	144875	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	59542	44.547	ug/l	98
3) Chloromethane	1.32	50	50895	46.164	ug/l	99
4) Vinyl Chloride	1.40	62	56661	47.551	ug/l	95
5) Bromomethane	1.63	94	20345	43.459	ug/l	99
6) Chloroethane	1.71	64	47604	51.052	ug/l	99
7) Trichlorofluoromethane	1.92	101	106525	48.768	ug/l	98
8) Diethyl Ether	2.18	74	45970	46.594	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74676	47.250	ug/l	98
10) Methyl Iodide	2.50	142	64001	47.440	ug/l	96
11) Tert butyl alcohol	3.03	59	140615	191.559	ug/l	100
12) 1,1-Dichloroethene	2.36	96	61403	48.703	ug/l	97
13) Acrolein	2.28	56	62550	247.838	ug/l	100
14) Allyl chloride	2.72	41	135408	46.132	ug/l	99
15) Acrylonitrile	3.13	53	297766	239.087	ug/l	97
16) Acetone	2.44	43	264472	199.794	ug/l	97
17) Carbon Disulfide	2.56	76	80753	45.460	ug/l	99
18) Methyl Acetate	2.76	43	133044	44.424	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	325841	47.401	ug/l #	84
20) Methylene Chloride	2.84	84	82191	47.253	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	63623	48.596	ug/l	92
22) Diisopropyl ether	3.84	45	322969	46.993	ug/l	98
23) Vinyl Acetate	3.80	43	1308076	231.376	ug/l	99
24) 1,1-Dichloroethane	3.69	63	158697	48.261	ug/l	98
25) 2-Butanone	4.66	43	422568	211.961	ug/l	100
26) 2,2-Dichloropropane	4.57	77	125686	38.864	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	93645	47.882	ug/l	96
28) Bromochloromethane	5.00	49	80101	47.250	ug/l	96
29) Tetrahydrofuran	5.12	42	259766	235.861	ug/l	100
30) Chloroform	5.20	83	173823	46.028	ug/l	99
31) Cyclohexane	5.57	56	189997	95.716	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	149076	47.230	ug/l	99
36) 1,1-Dichloropropene	5.79	75	96431	47.370	ug/l	98
37) Ethyl Acetate	4.82	43	148671	47.578	ug/l	98
38) Carbon Tetrachloride	5.78	117	119996	47.395	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	288471	145.769	ug/l	99
40) Benzene	6.14	78	316826	48.943	ug/l	98
41) Methacrylonitrile	5.03	41	90869	45.163	ug/l	98
42) 1,2-Dichloroethane	6.18	62	139306	46.398	ug/l	99
43) Isopropyl Acetate	6.43	43	260330	46.418	ug/l	99
44) Trichloroethene	7.20	130	83636	49.115	ug/l	97
45) 1,2-Dichloropropane	7.51	63	96643	48.594	ug/l	99
46) Dibromomethane	7.65	93	62299	48.407	ug/l	98
47) Bromodichloromethane	7.89	83	140873	49.160	ug/l	96
48) Methyl methacrylate	7.76	41	133435	50.472	ug/l	94
49) 1,4-Dioxane	7.73	88	49695	772.333	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	861261	234.169	ug/l	99
52) Toluene	8.78	92	207982	49.861	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	144644	48.558	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	149932	48.618	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	101730	47.338	ug/l	96
56) Ethyl methacrylate	9.17	69	180017	53.577	ug/l	96
57) 1,3-Dichloropropane	9.37	76	165450	48.253	ug/l	100
59) 2-Hexanone	9.49	43	639211	222.768	ug/l	97
60) Dibromochloromethane	9.58	129	110533	50.495	ug/l	99
61) 1,2-Dibromoethane	9.67	107	99432	50.661	ug/l	99
64) Tetrachloroethene	9.33	164	67214	48.778	ug/l	96
65) Chlorobenzene	10.14	112	240291	48.415	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	102931	49.971	ug/l	98
67) Ethyl Benzene	10.25	91	451076	52.900	ug/l	99
68) m/p-Xylenes	10.35	106	351634	113.338	ug/l	98
69) o-Xylene	10.70	106	165730	51.942	ug/l	99
70) Stvrene	10.71	104	287446	50.918	ug/l	99
71) Bromoform	10.85	173	79955	45.365	ug/l #	99
73) Isopropylbenzene	11.01	105	1130791	123.779	ug/l	99
74) N-amyl acetate	10.89	43	236072	47.998	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	174801	48.777	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	194173	58.057	ug/l	88
77) Bromobenzene	11.25	156	112511	50.499	ug/l	95
78) n-propylbenzene	11.35	91	1254546	123.213	ug/l	99
79) 2-Chlorotoluene	11.42	91	321955	48.605	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	385402	49.467	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	48944	40.784	ug/l	97
82) 4-Chlorotoluene	11.51	91	367322	48.317	ug/l	100
83) tert-Butylbenzene	11.76	119	422635	50.624	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	2136710	267.098	ug/l	98
85) sec-Butylbenzene	11.94	105	583382	63.415	ug/l	95
86) p-Isopropyltoluene	12.06	119	455350	53.904	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	209330	49.947	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	211608	49.153	ug/l	99
89) n-Butylbenzene	12.38	91	415864	55.175	ug/l	94
90) Hexachloroethane	12.59	117	96323	62.187	ug/l	89
91) 1,2-Dichlorobenzene	12.38	146	217439	49.639	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	49497	53.275	ug/l	94
93) 1,2,4-Trichlorobenzene	13.64	180	145286	51.493	ug/l	94

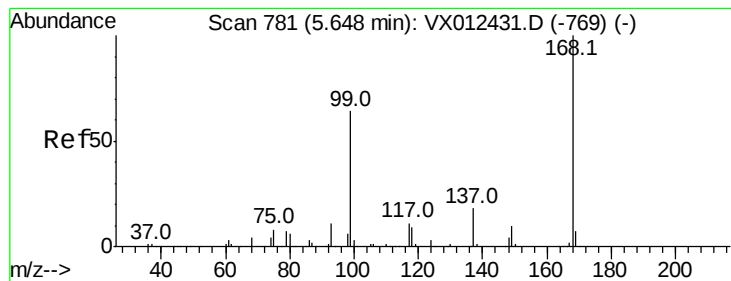
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	61913	46.558	ug/l	99
95) Naphthalene	13.83	128	953853	95.011	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	150603	52.380	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

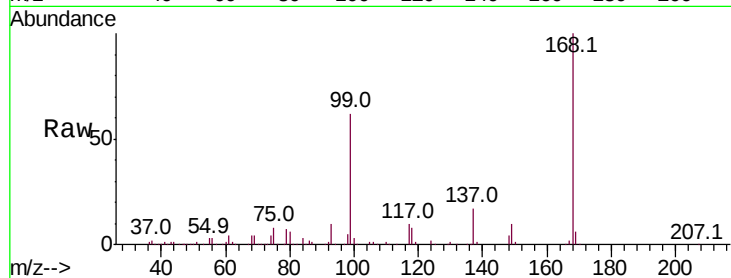
S13-0282MSD

Tot Ion:168 Resp: 200533

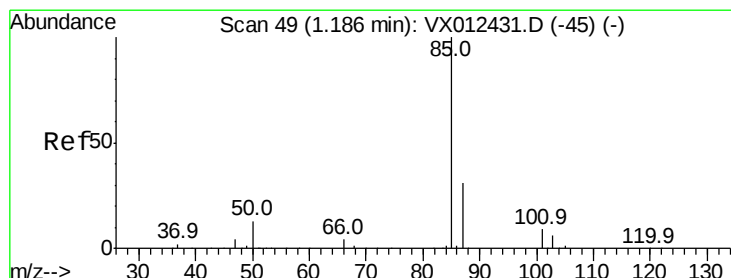
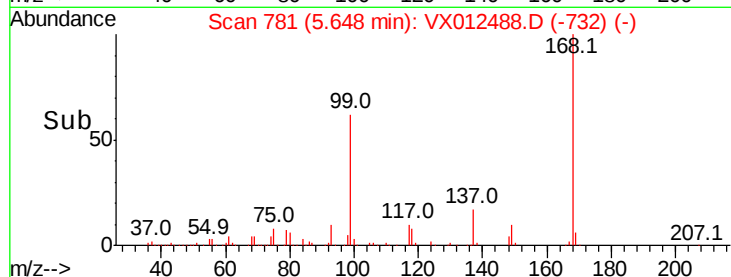
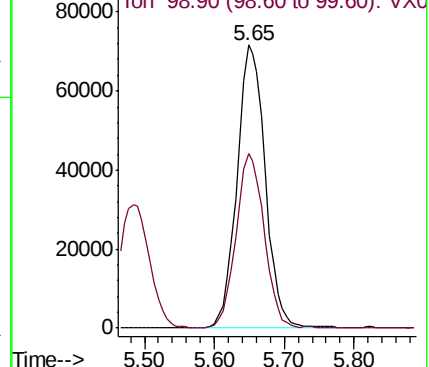
Ion Ratio Lower Upper

168 100

99 61.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 44.547 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012488.D

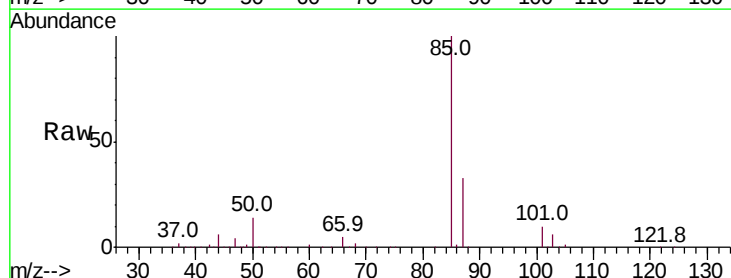
Acq: 18 Sep 2019 20:51

Tgt Ion: 85 Resp: 59542

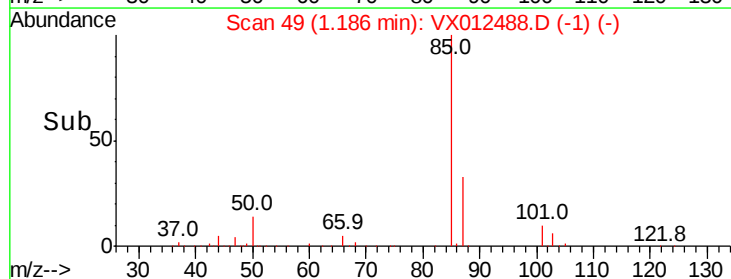
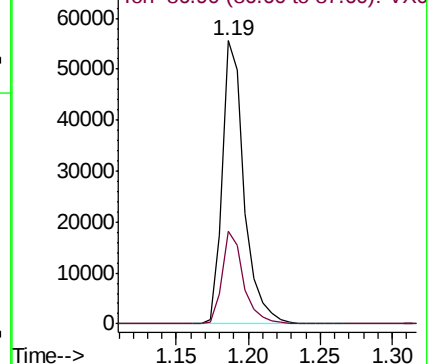
Ion Ratio Lower Upper

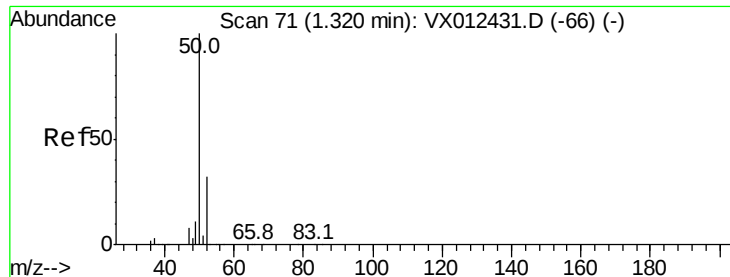
85 100

87 32.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0





#3

Chloromethane

Concen: 46.164 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

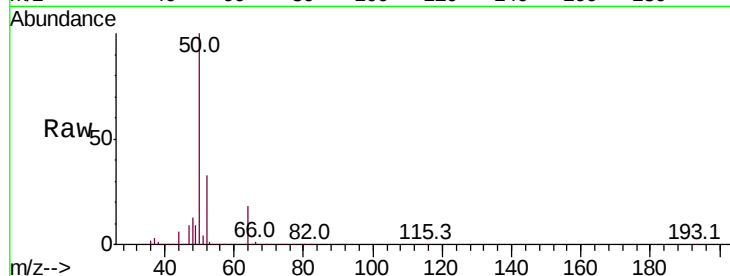
S13-0282MSD

Tot Ion: 50 Resp: 50895

Ion Ratio Lower Upper

50 100

52 32.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

50000

40000

30000

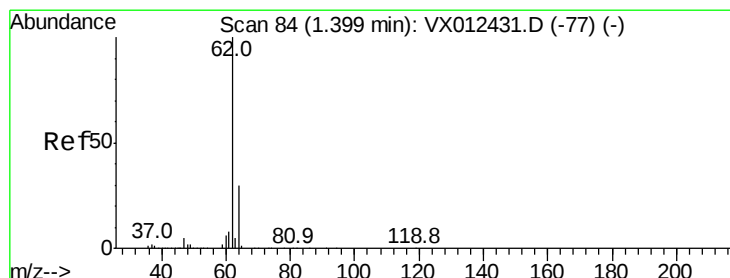
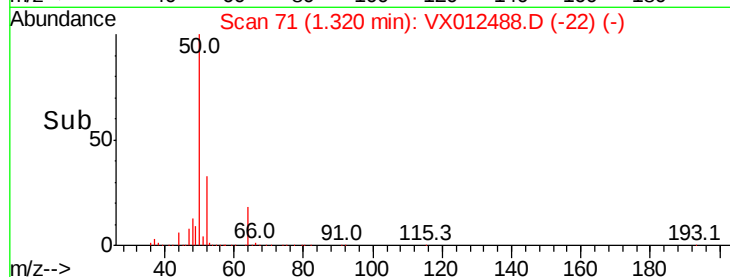
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 47.551 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012488.D

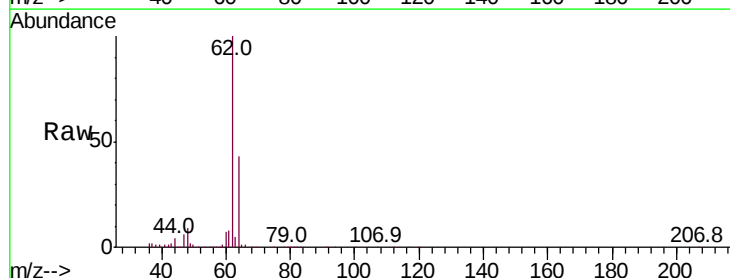
Acq: 18 Sep 2019 20:51

Tgt Ion: 62 Resp: 56661

Ion Ratio Lower Upper

62 100

64 32.9 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

60000

50000

40000

30000

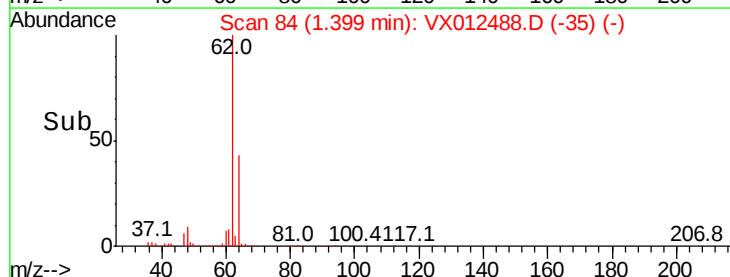
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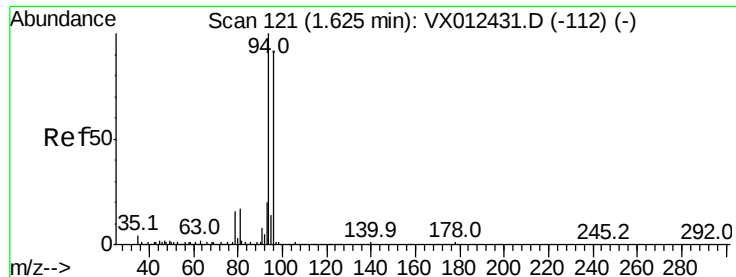
10000

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 43.459 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

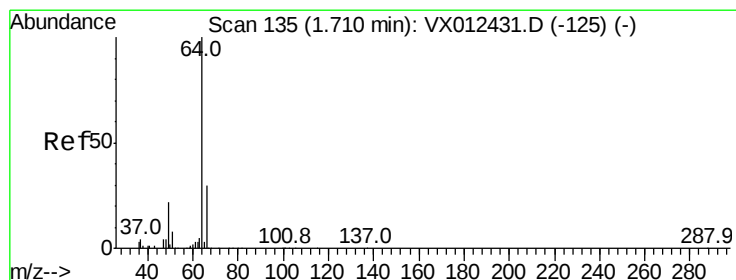
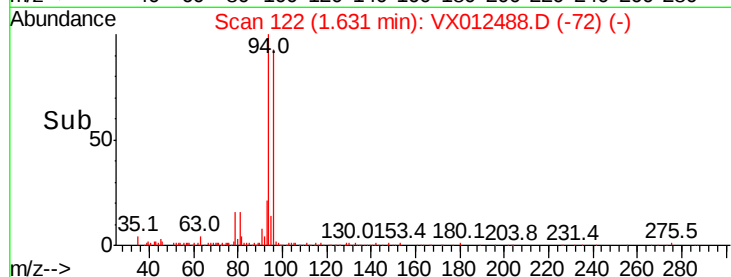
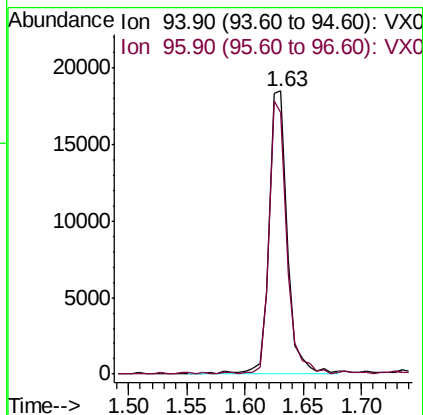
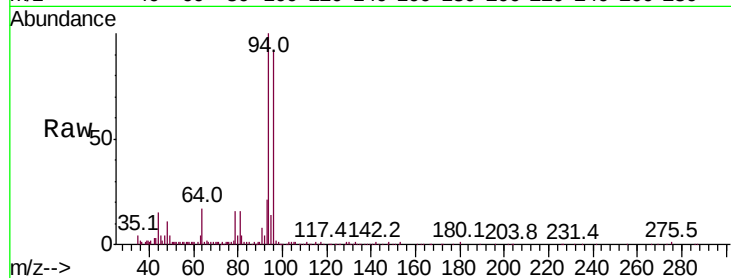
S13-0282MSD

Tot Ion: 94 Resp: 20345

Ion Ratio Lower Upper

94 100

96 91.8 72.8 109.2



#6

Chloroethane

Concen: 51.052 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012488.D

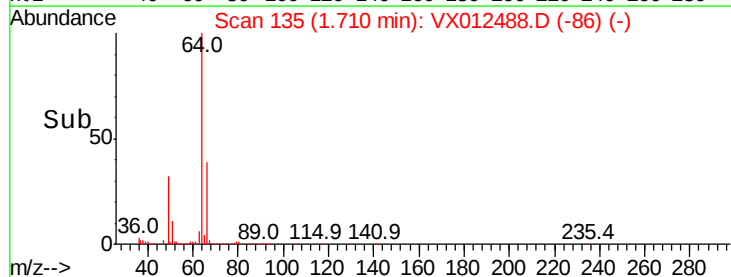
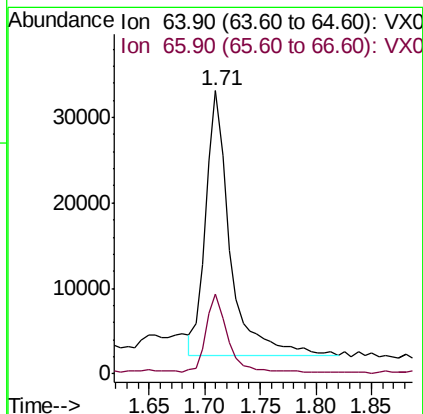
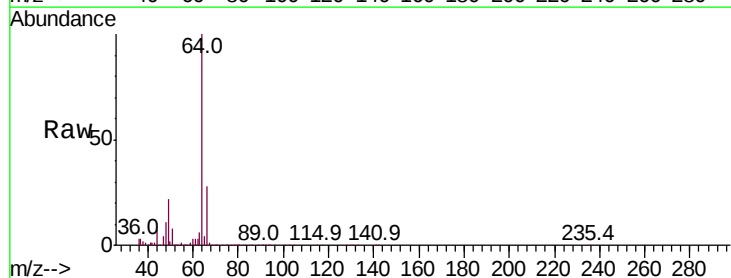
Acq: 18 Sep 2019 20:51

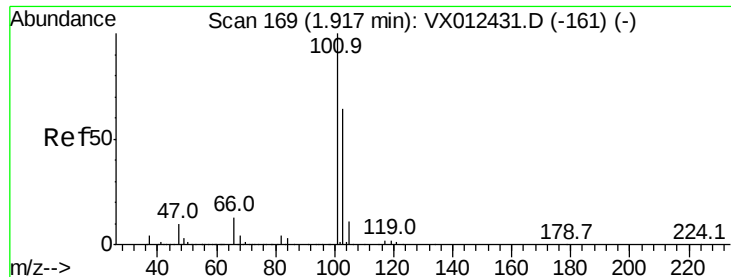
Tgt Ion: 64 Resp: 47604

Ion Ratio Lower Upper

64 100

66 29.4 24.0 36.0



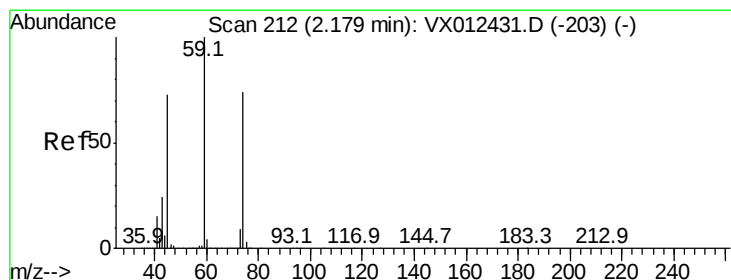
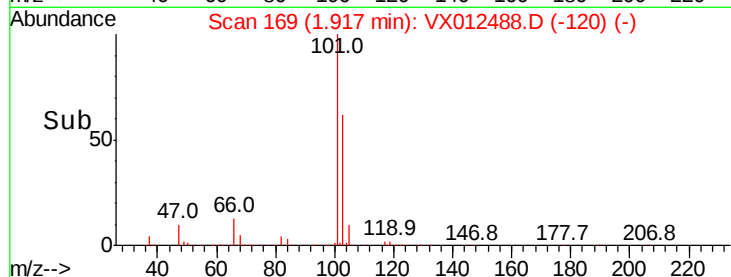
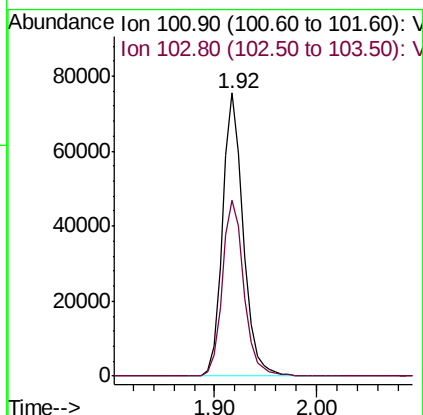
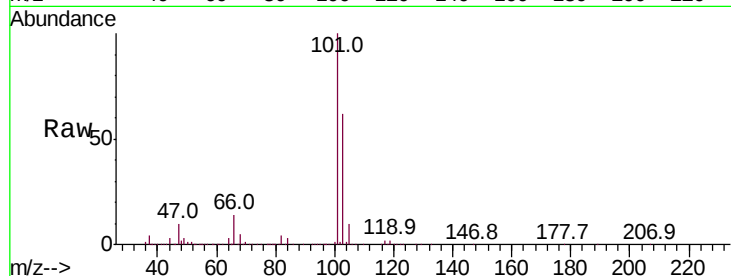


#7

Trichlorofluoromethane
Concen: 48.768 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

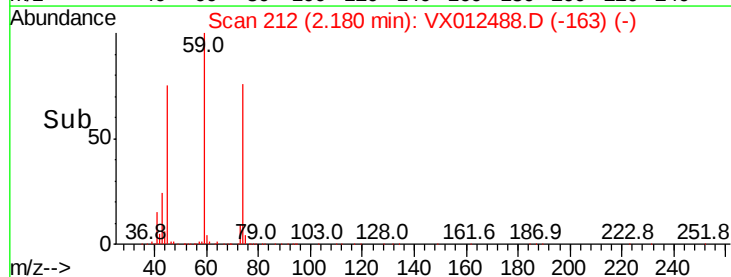
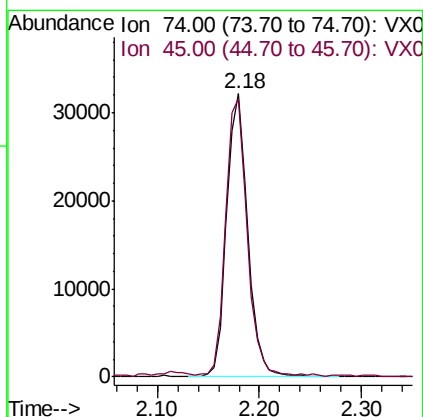
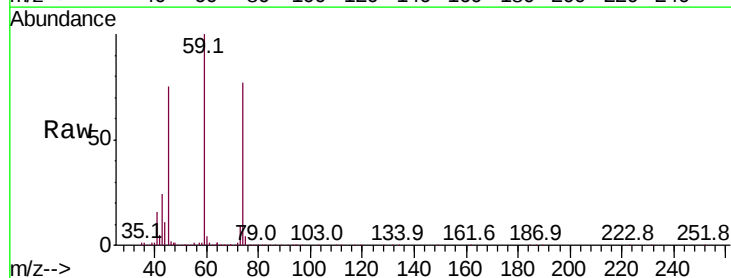
Tot Ion:101 Resp: 106525
Ion Ratio Lower Upper
101 100
103 62.0 51.0 76.4

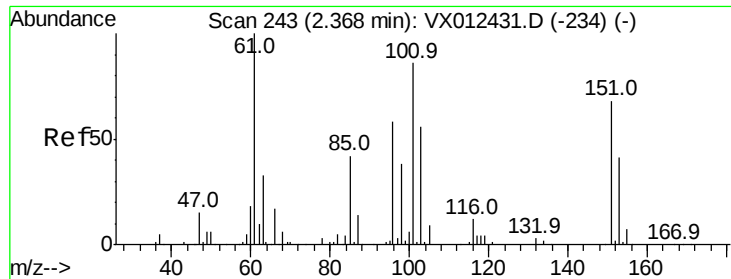


#8

Diethyl Ether
Concen: 46.594 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion: 74 Resp: 45970
Ion Ratio Lower Upper
74 100
45 97.7 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.250 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

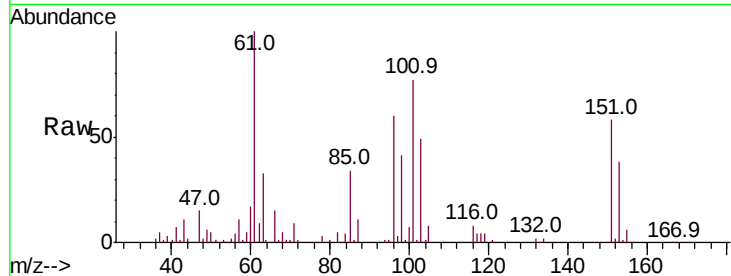
Tot Ion:101 Resp: 74676

Ion Ratio Lower Upper

101 100

85 44.3 37.3 55.9

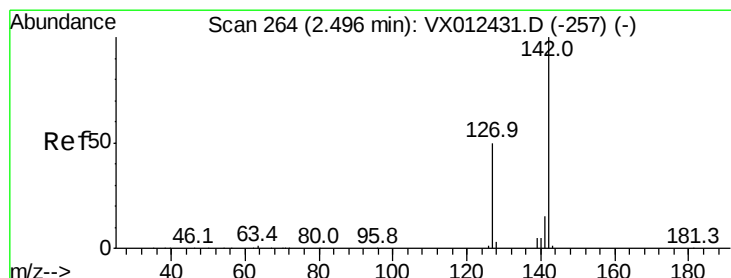
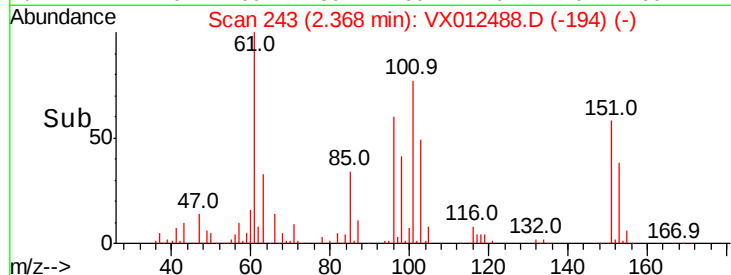
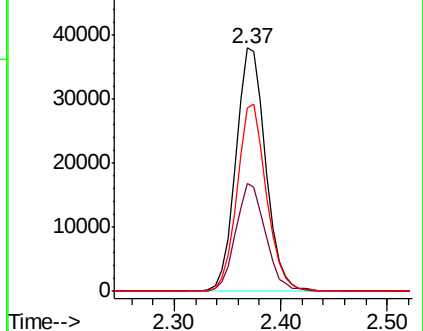
151 75.8 61.0 91.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.440 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

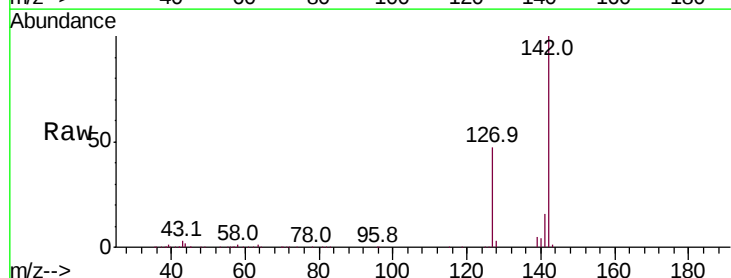
Tgt Ion:142 Resp: 64001

Ion Ratio Lower Upper

142 100

127 47.5 40.8 61.2

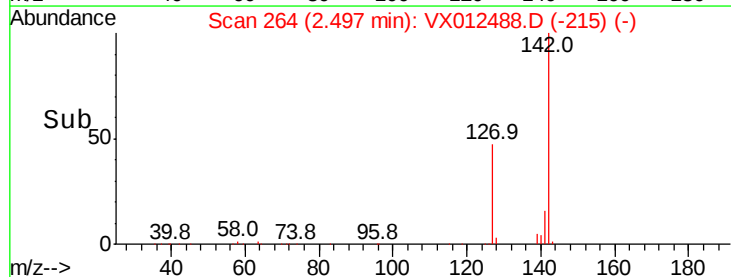
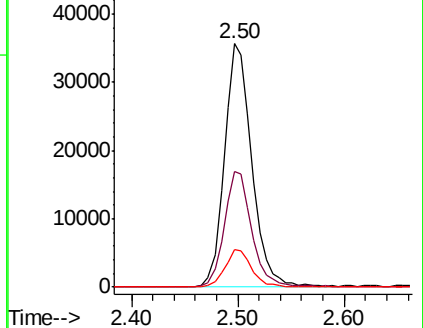
141 14.9 12.1 18.1

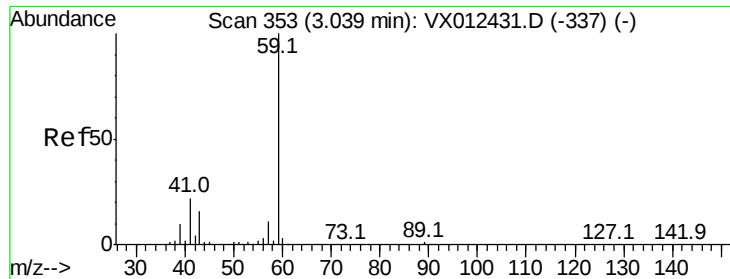


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



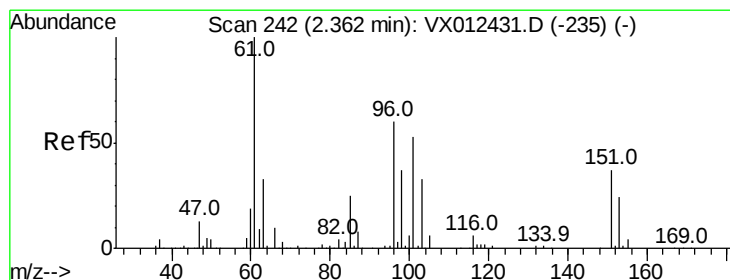
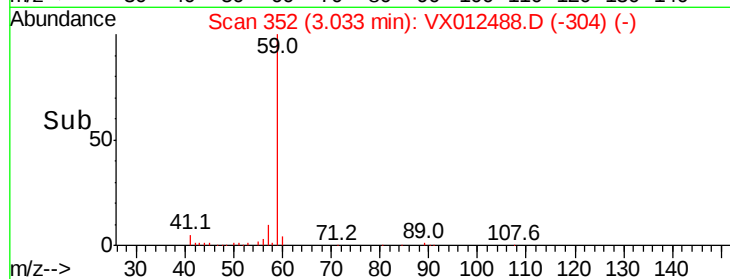
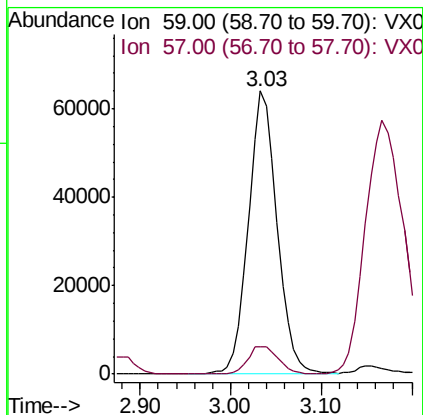
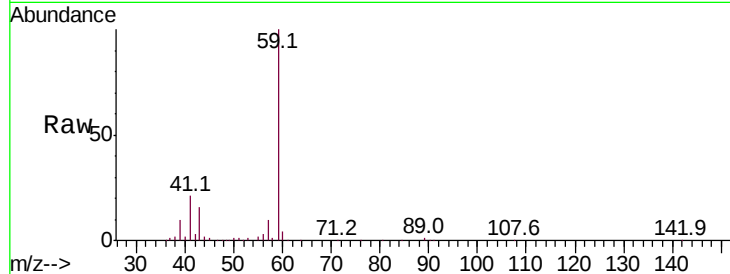


#11

Tert butyl alcohol
 Concen: 191.559 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

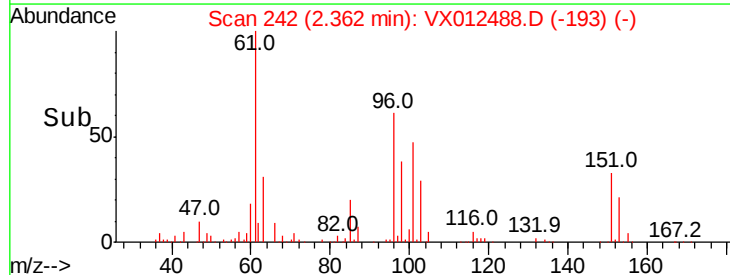
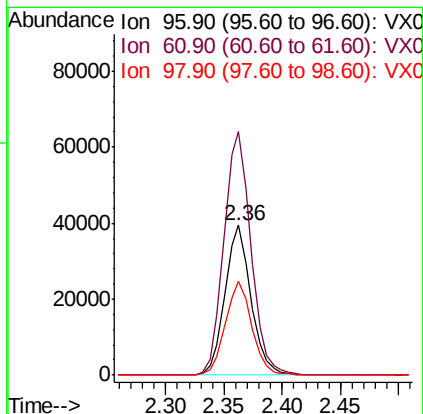
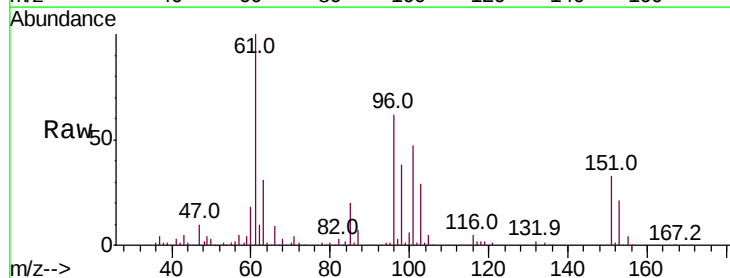
Tot Ion: 59 Resp: 140615
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.3 12.5

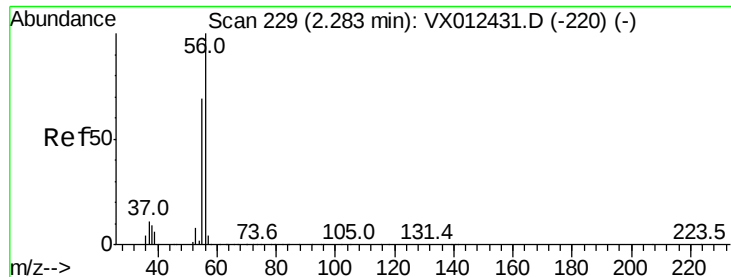


#12

1,1-Dichloroethene
 Concen: 48.703 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion: 96 Resp: 61403
 Ion Ratio Lower Upper
 96 100
 61 162.3 133.8 200.6
 98 62.1 49.9 74.9





#13

Acrolein

Concen: 247.838 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

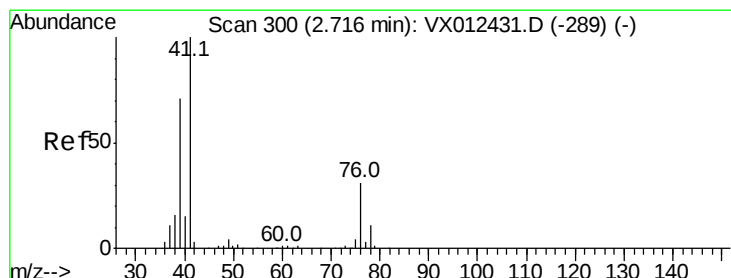
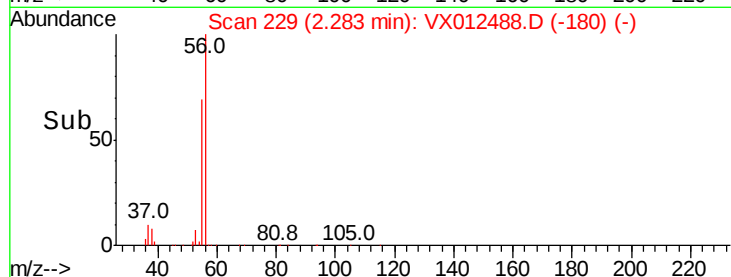
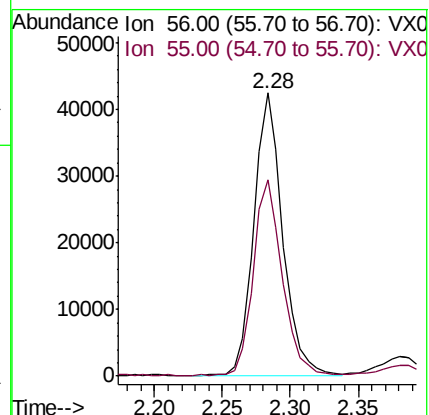
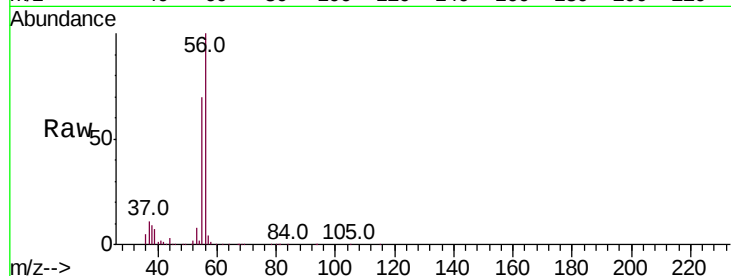
S13-0282MSD

Tot Ion: 56 Resp: 62550

Ion Ratio Lower Upper

56 100

55 70.1 55.8 83.8



#14

Allyl chloride

Concen: 46.132 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

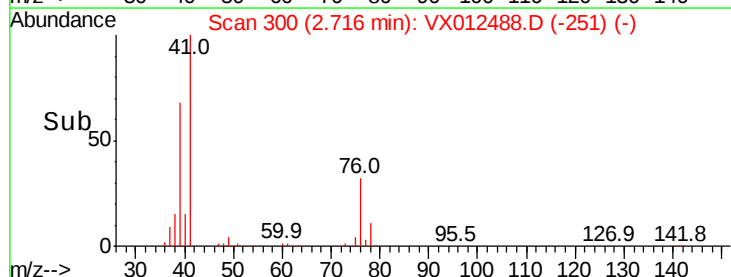
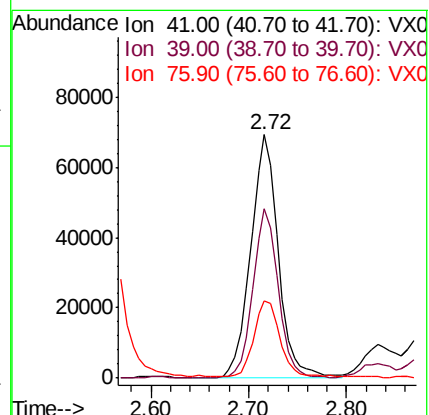
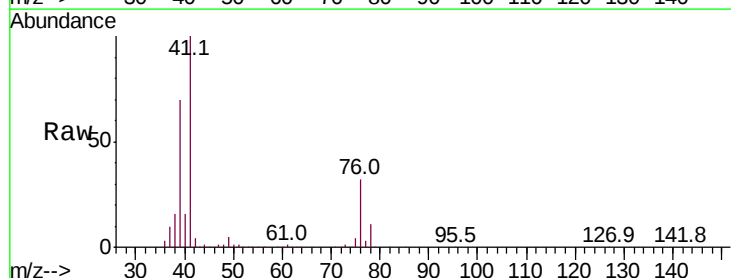
Tgt Ion: 41 Resp: 135408

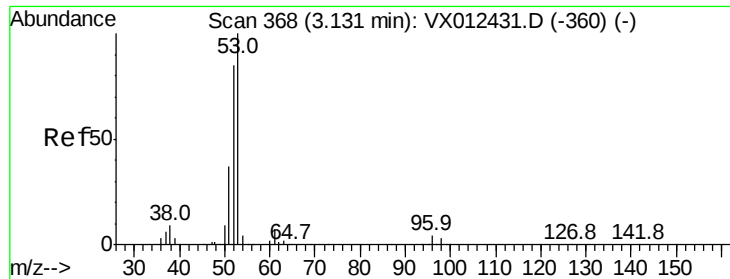
Ion Ratio Lower Upper

41 100

39 63.6 51.3 76.9

76 29.8 22.6 33.8

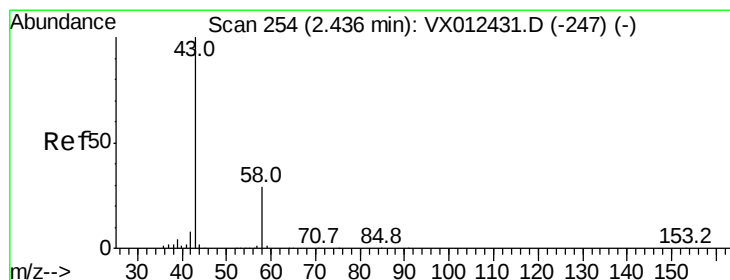
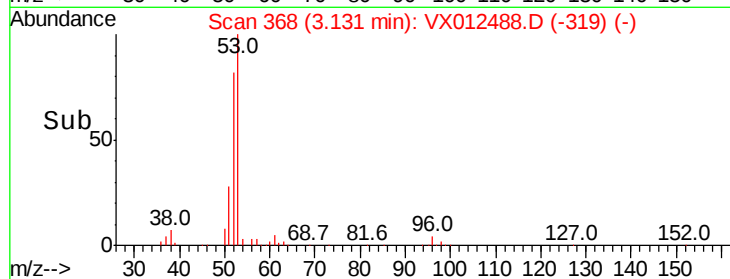
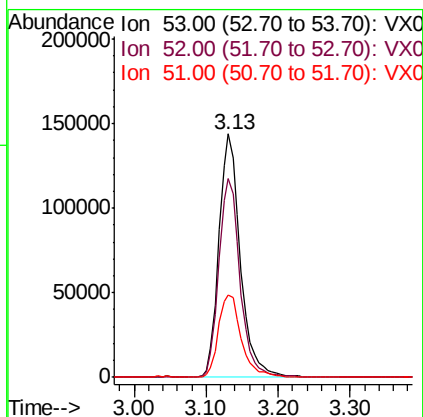
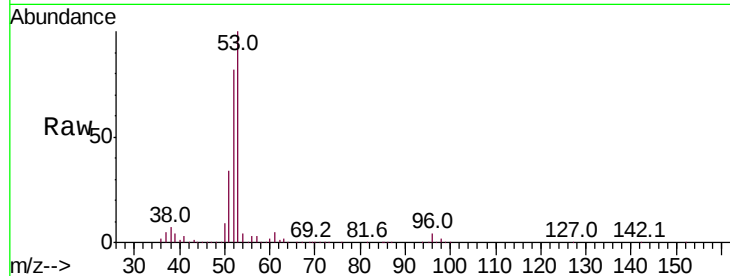




#15
 Acrylonitrile
 Concen: 239.087 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

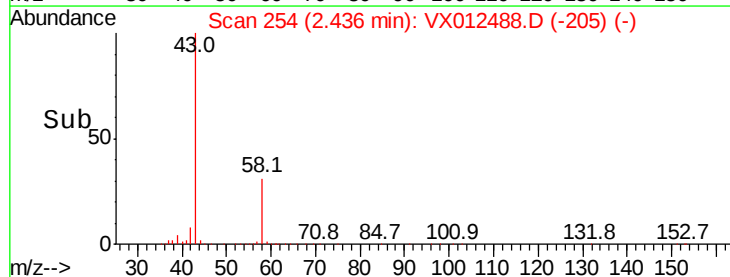
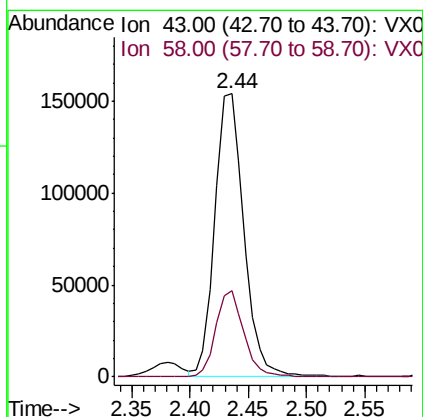
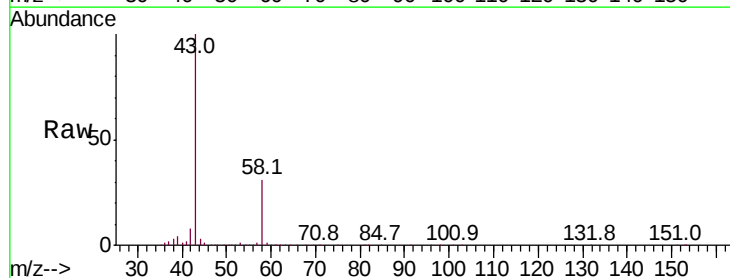
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

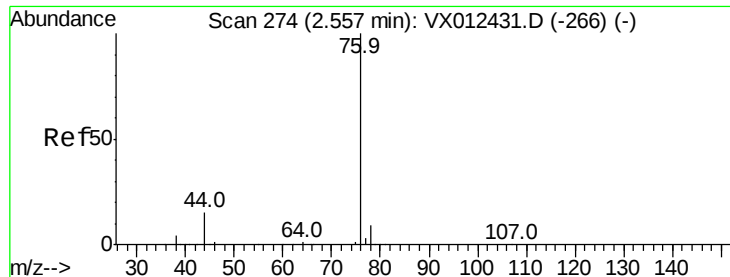
Tot Ion: 53 Resp: 297766
 Ion Ratio Lower Upper
 53 100
 52 80.9 67.0 100.4
 51 36.2 29.6 44.4



#16
 Acetone
 Concen: 199.794 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion: 43 Resp: 264472
 Ion Ratio Lower Upper
 43 100
 58 30.5 23.3 34.9





#17

Carbon Disulfide

Concen: 45.460 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

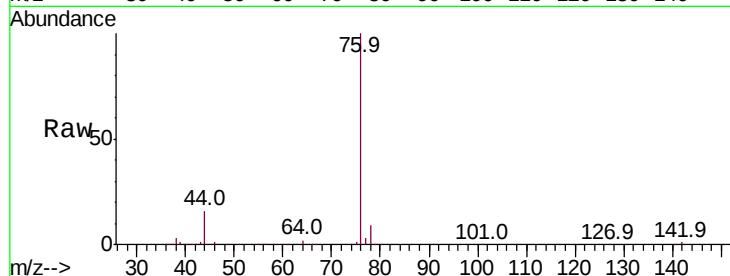
S13-0282MSD

Tot Ion: 76 Resp: 80753

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

50000

40000

30000

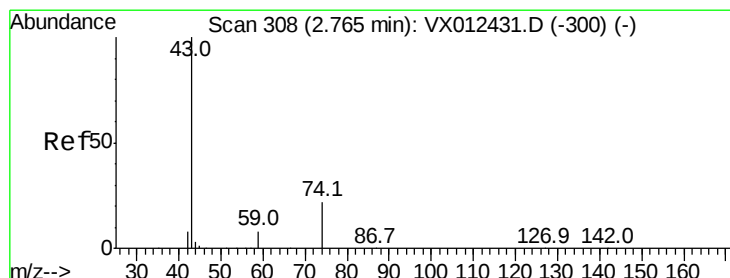
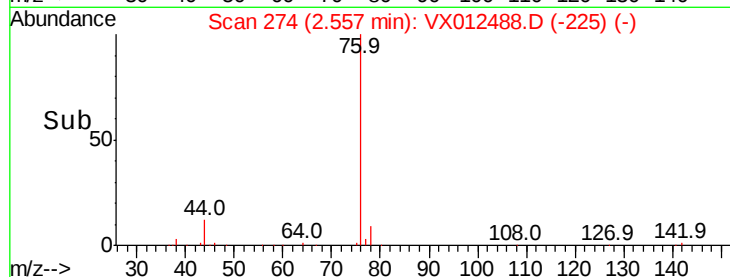
20000

10000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 44.424 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012488.D

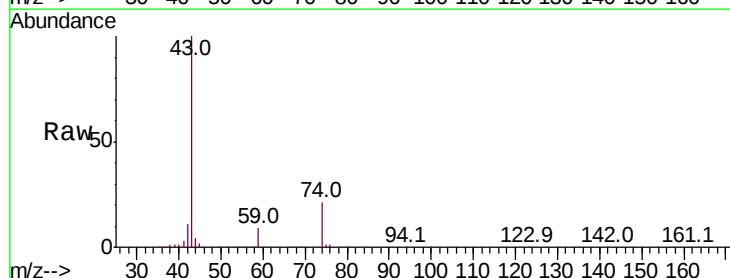
Acq: 18 Sep 2019 20:51

Tgt Ion: 43 Resp: 133044

Ion Ratio Lower Upper

43 100

74 23.0 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

80000

60000

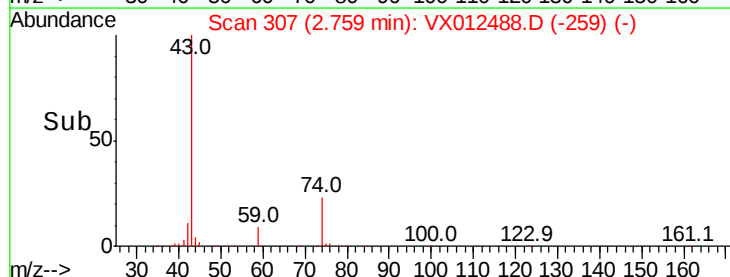
40000

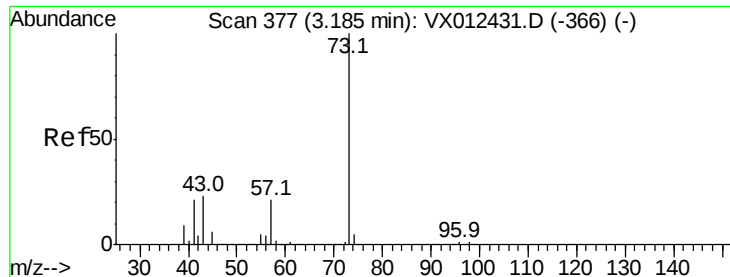
20000

0

Time-->

2.65 2.70 2.75 2.80

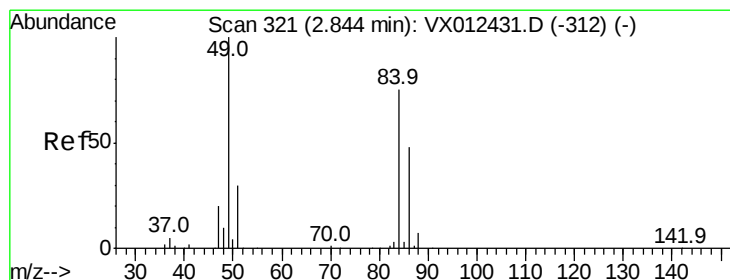
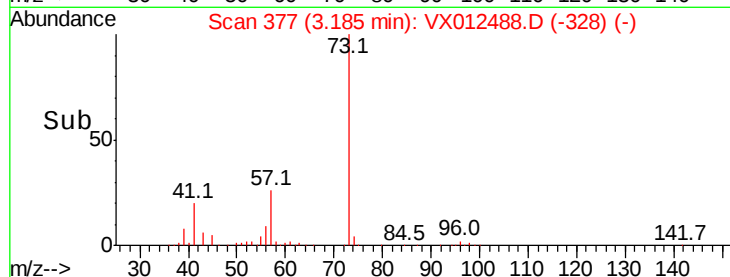
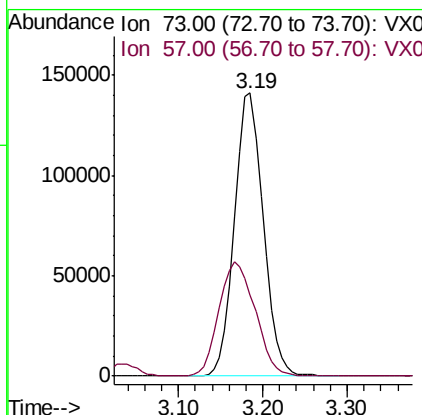
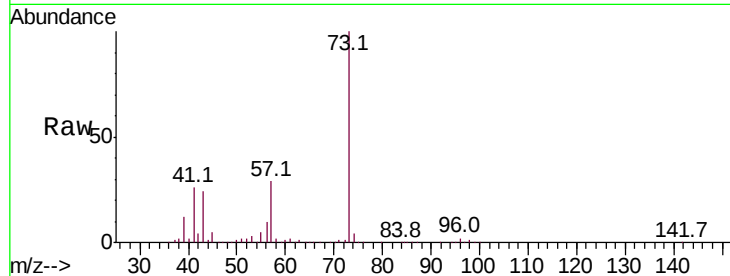




#19
Methvl tert-butvl Ether
Concen: 47.401 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

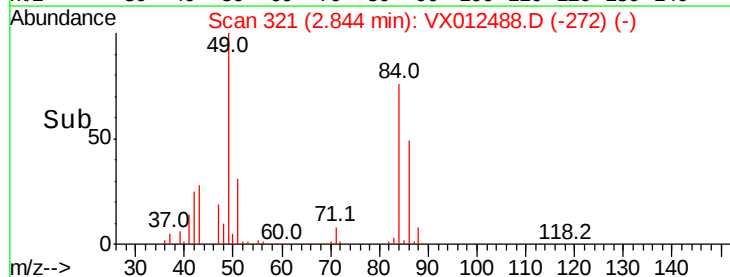
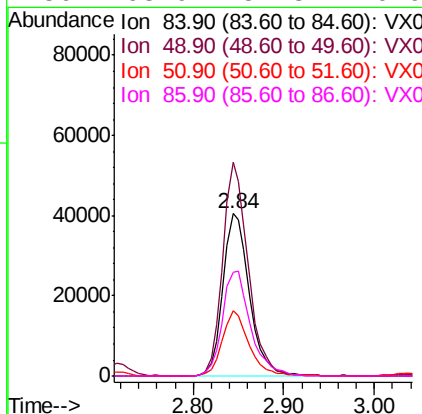
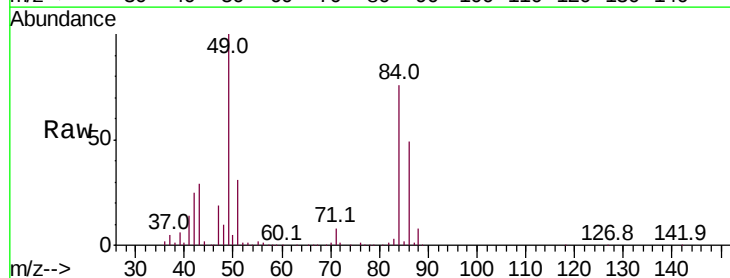
Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

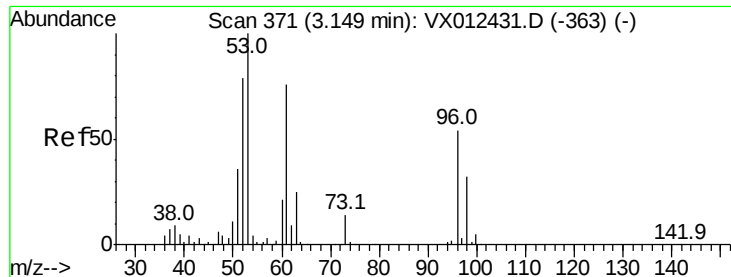
Tot Ion: 73 Resp: 325841
Ion Ratio Lower Upper
73 100
57 28.5 16.8 25.2#



#20
Methylene Chloride
Concen: 47.253 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion: 84 Resp: 82191
Ion Ratio Lower Upper
84 100
49 131.8 106.8 160.2
51 40.3 32.3 48.5
86 63.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 48.596 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

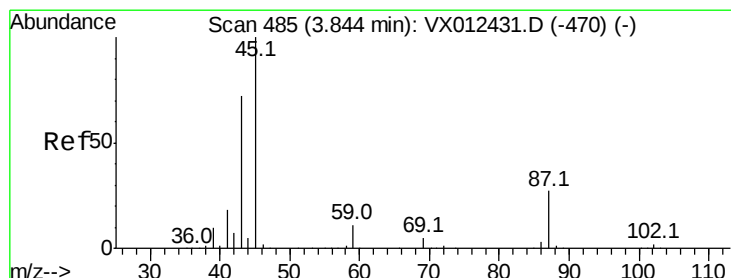
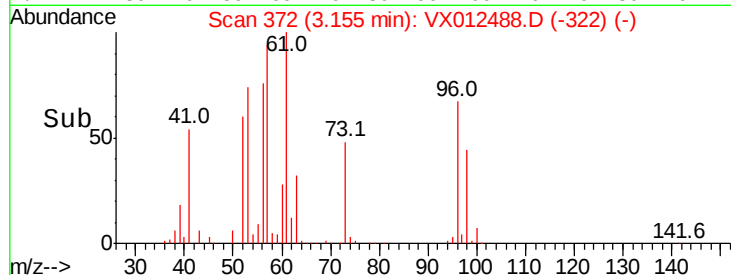
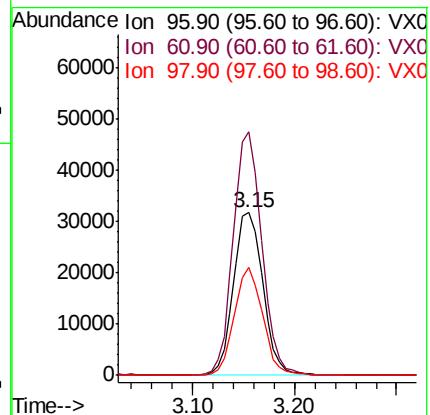
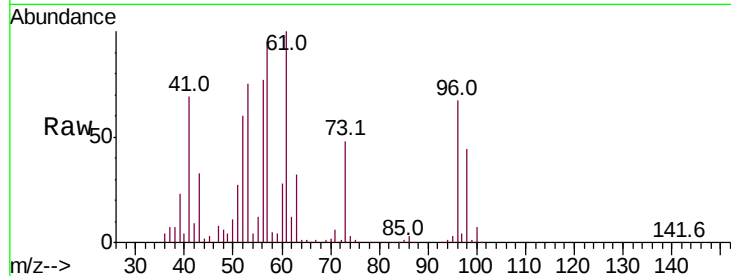
Tot Ion: 96 Resp: 63623

Ion Ratio Lower Upper

96 100

61 149.9 112.0 168.0

98 66.5 47.8 71.8



#22

Diisopropyl ether

Concen: 46.993 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Tgt Ion: 45 Resp: 322969

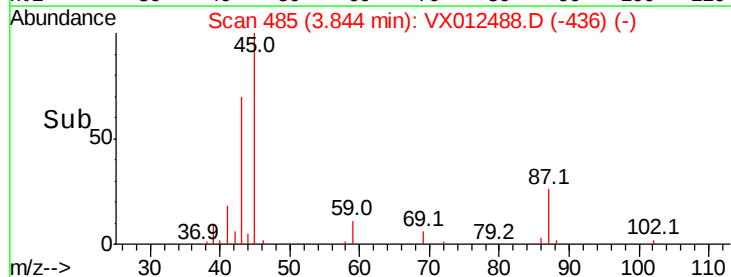
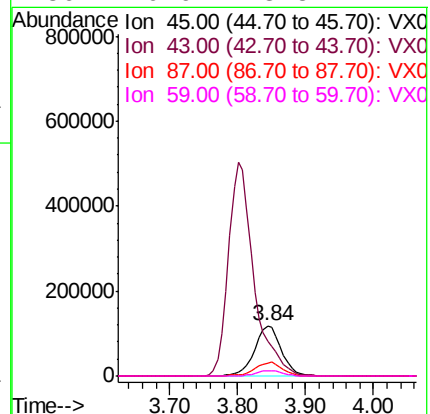
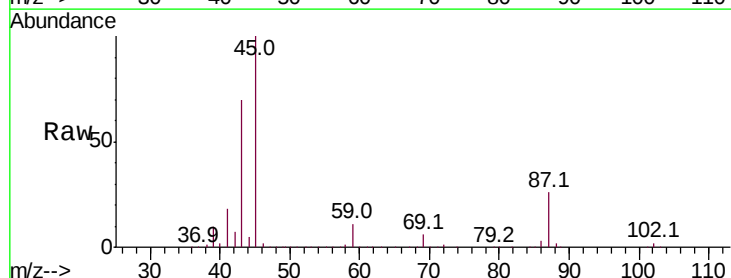
Ion Ratio Lower Upper

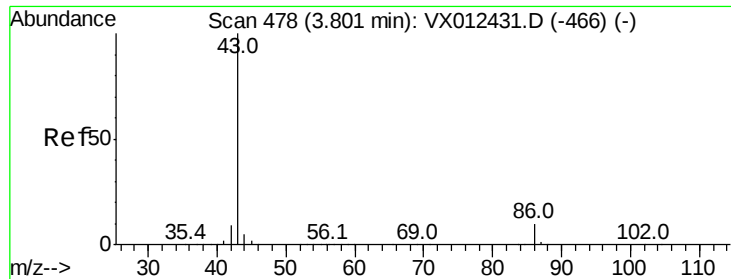
45 100

43 70.1 57.8 86.8

87 26.4 21.3 31.9

59 10.9 8.5 12.7





#23

Vinyl Acetate

Concen: 231.376 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

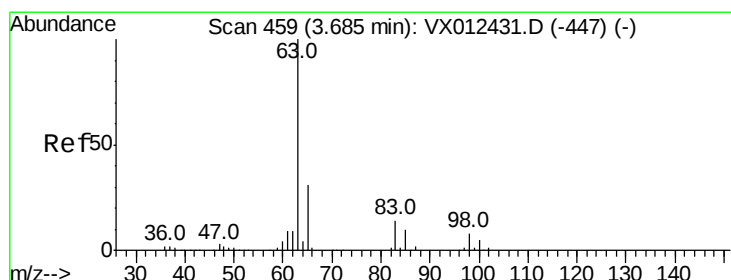
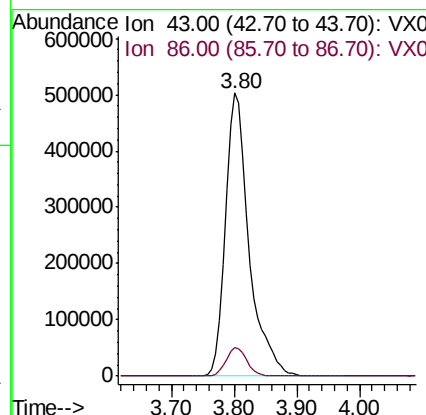
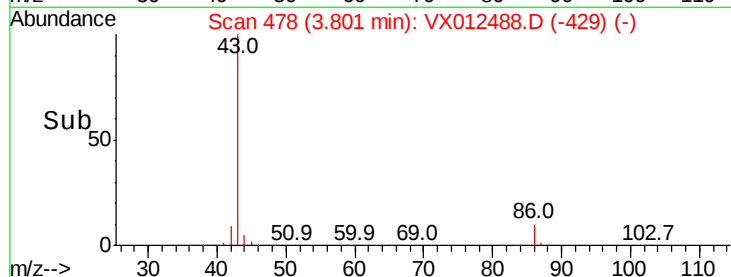
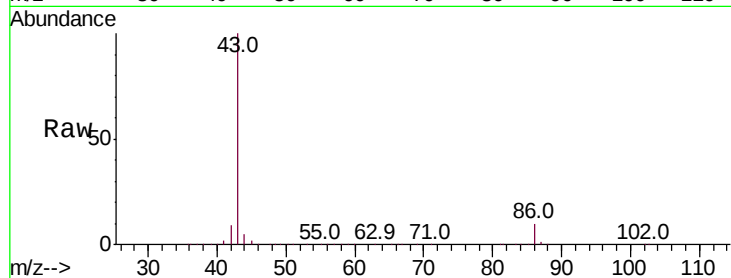
S13-0282MSD

Tot Ion: 43 Resp: 1308076

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8



#24

1,1-Dichloroethane

Concen: 48.261 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

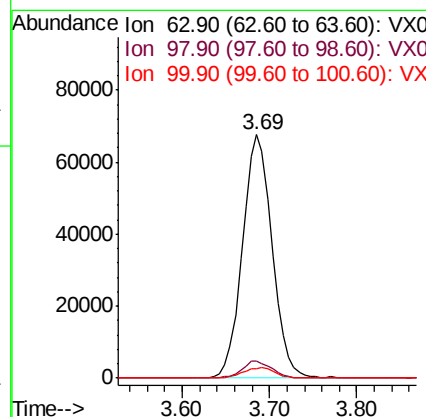
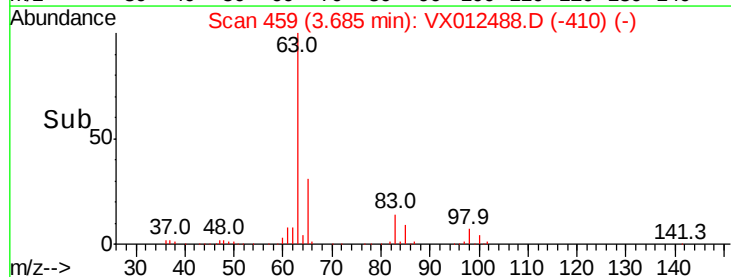
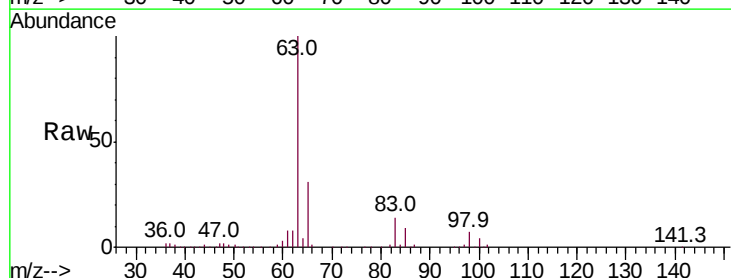
Tgt Ion: 63 Resp: 158697

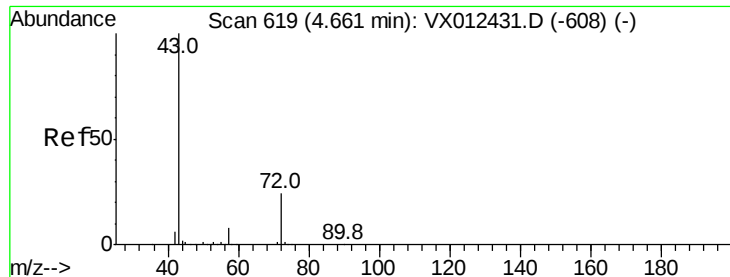
Ion Ratio Lower Upper

63 100

98 6.8 3.9 11.7

100 4.0 2.3 6.9





#25

2-Butanone

Concen: 211.961 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

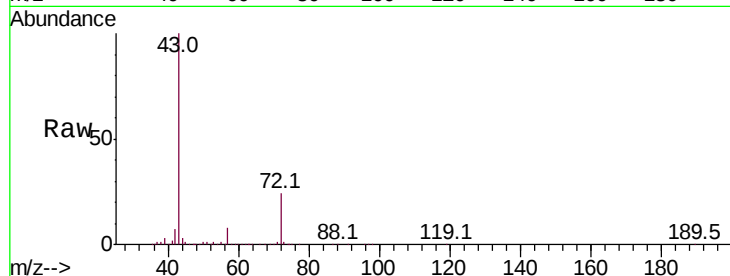
S13-0282MSD

Tot Ion: 43 Resp: 422568

Ion Ratio Lower Upper

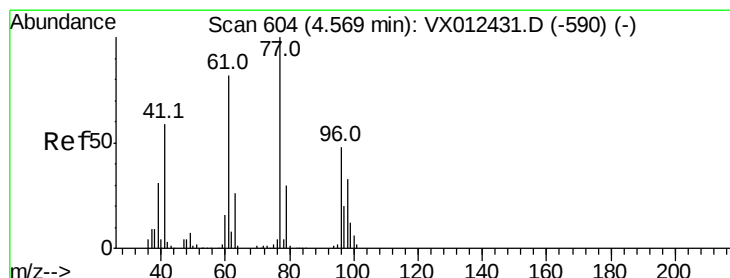
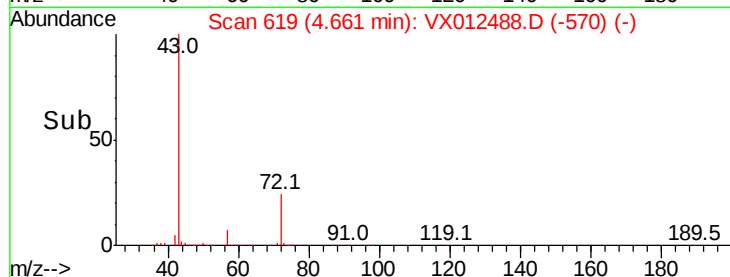
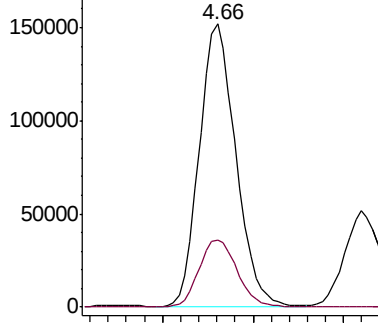
43 100

72 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 38.864 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012488.D

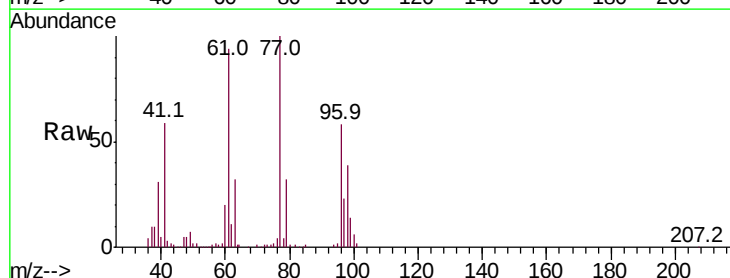
Acq: 18 Sep 2019 20:51

Tgt Ion: 77 Resp: 125686

Ion Ratio Lower Upper

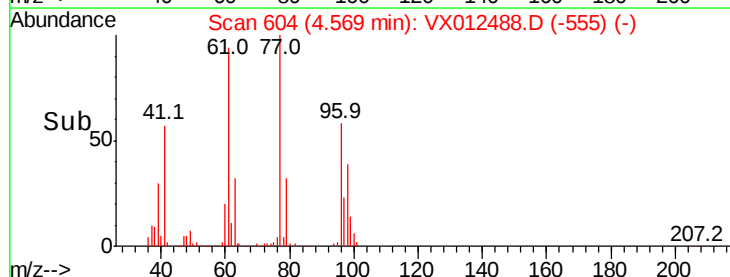
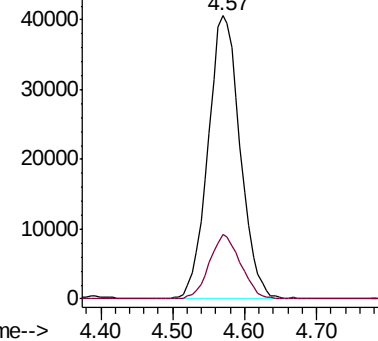
77 100

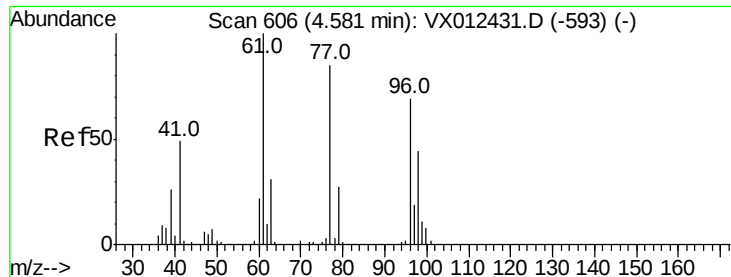
97 22.2 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



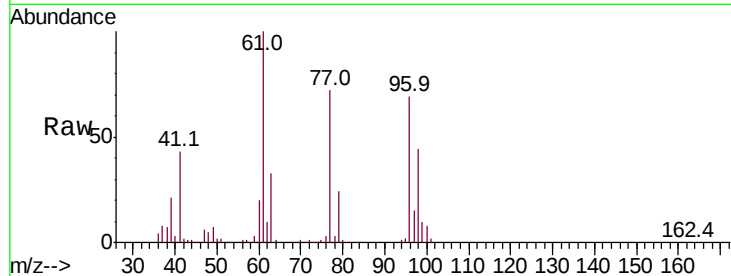


#27

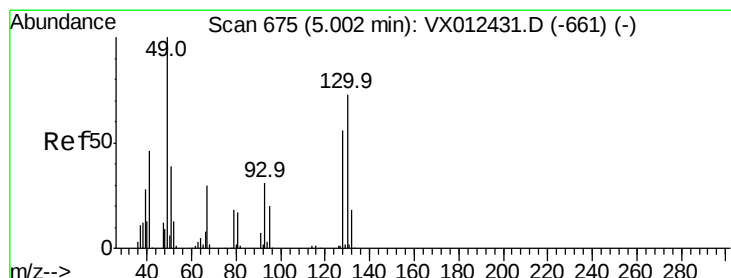
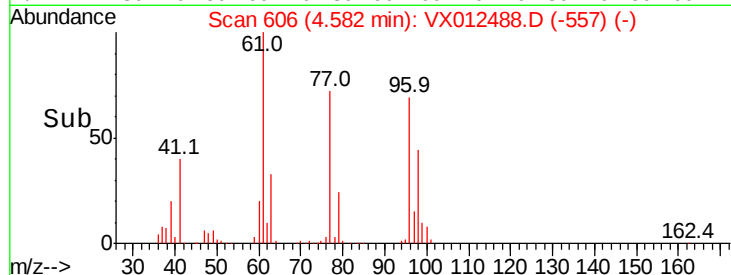
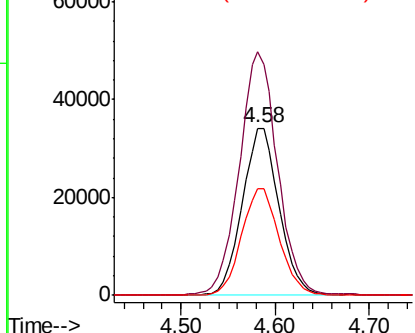
cis-1,2-Dichloroethene
 Concen: 47.882 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion: 96 Resp: 93645
 Ion Ratio Lower Upper
 96 100
 61 151.8 0.0 319.4
 98 65.8 0.0 130.6



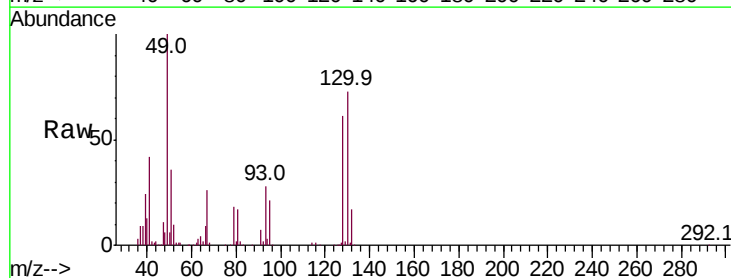
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



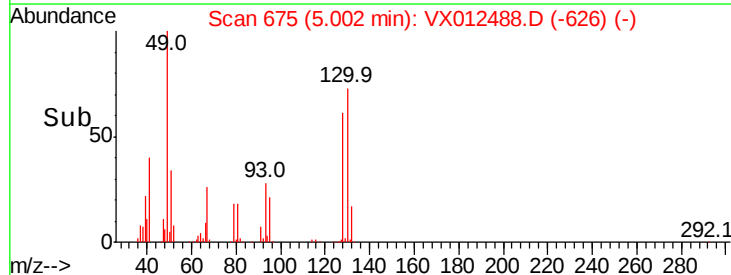
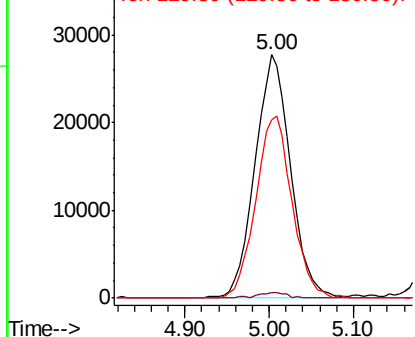
#28

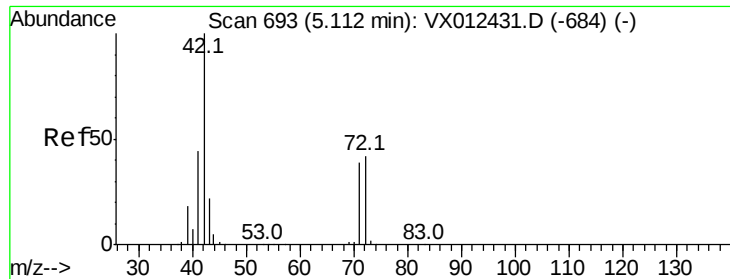
Bromochloromethane
 Concen: 47.250 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion: 49 Resp: 80101
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.8
 130 76.3 58.2 87.4



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





#29

Tetrahydrofuran

Concen: 235.861 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampled :

S13-0282MSD

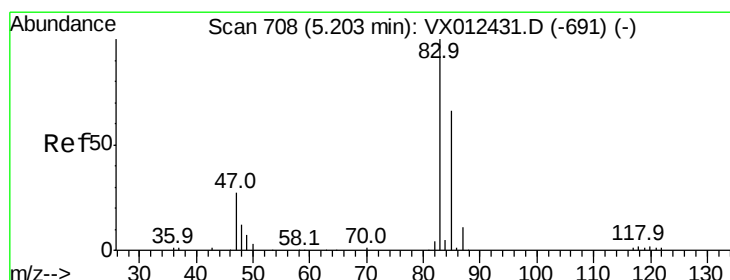
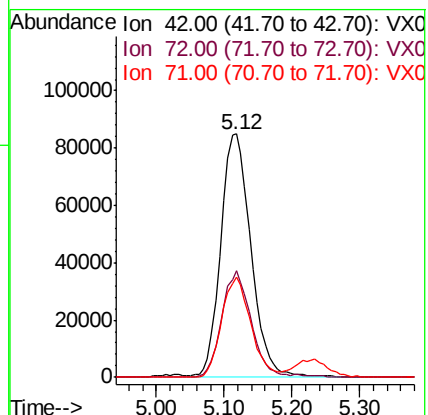
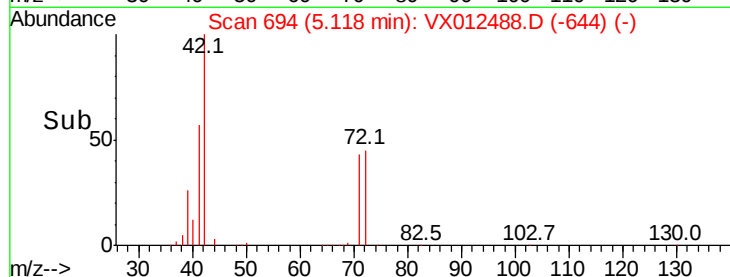
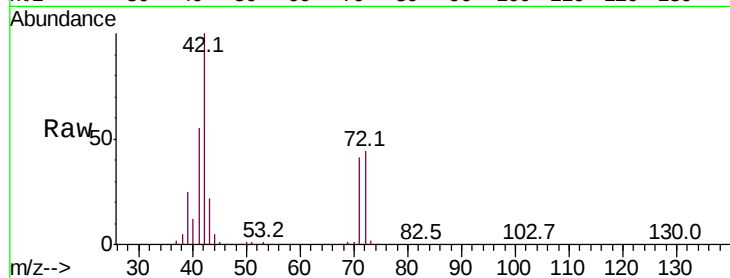
Tot Ion: 42 Resp: 259766

Ion Ratio Lower Upper

42 100

72 42.5 34.0 51.0

71 40.0 31.5 47.3



#30

Chloroform

Concen: 46.028 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX012488.D

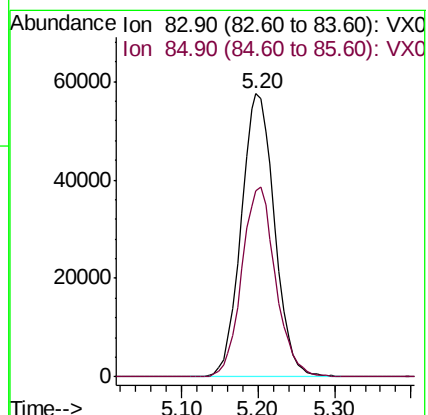
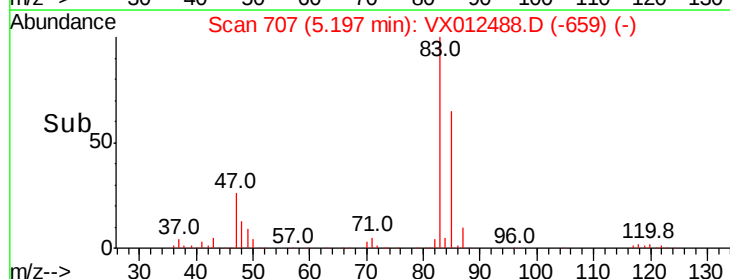
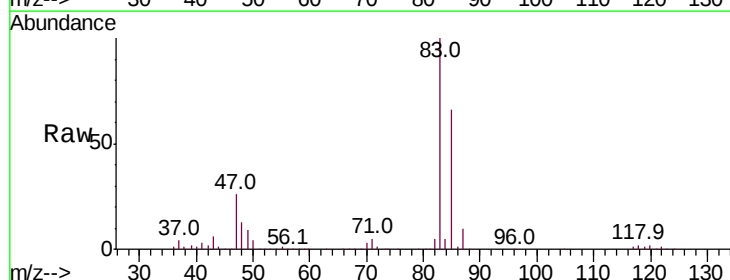
Acq: 18 Sep 2019 20:51

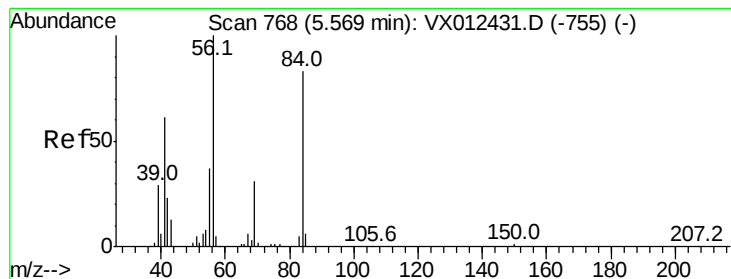
Tgt Ion: 83 Resp: 173823

Ion Ratio Lower Upper

83 100

85 65.8 53.0 79.4





#31

Cyclohexane

Concen: 95.716 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

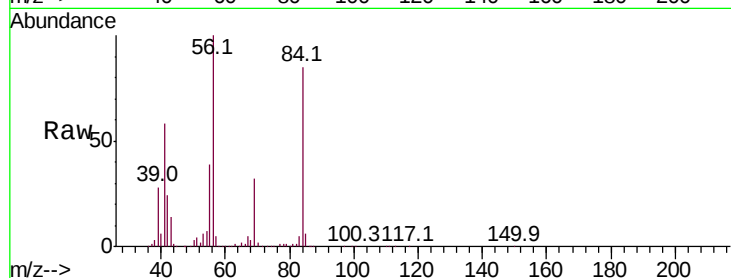
MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 56 Resp: 189997

Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.0	37.6
84	83.2	66.4	99.6

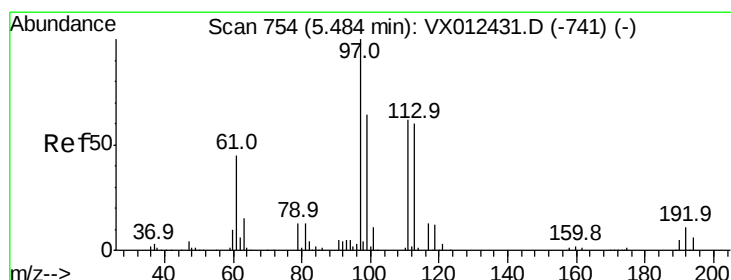
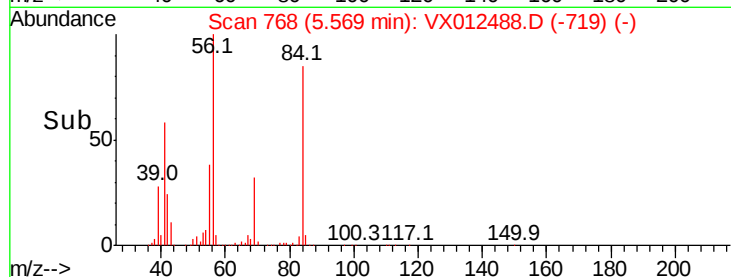
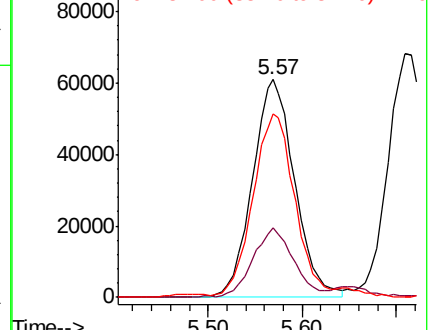


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 47.230 ug/l

RT: 5.48 min Scan# 754

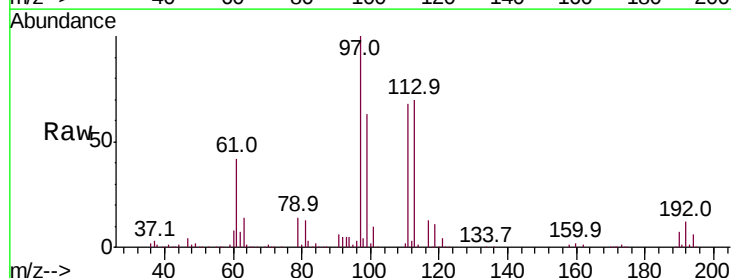
Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Tgt Ion: 97 Resp: 149076

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.3	76.9
61	44.4	36.1	54.1

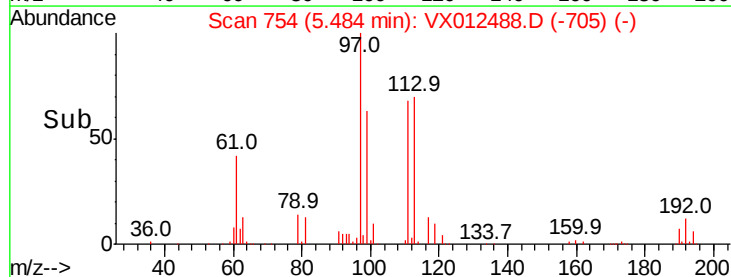
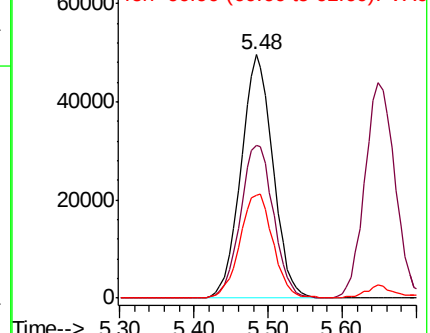


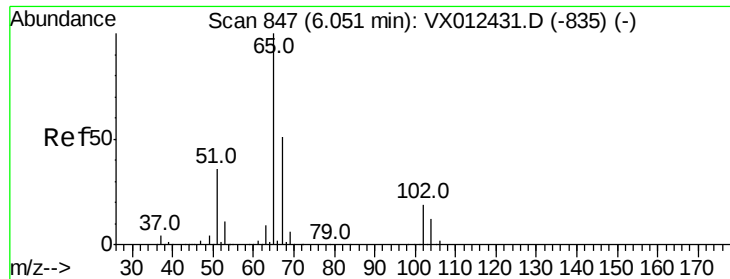
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.696 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

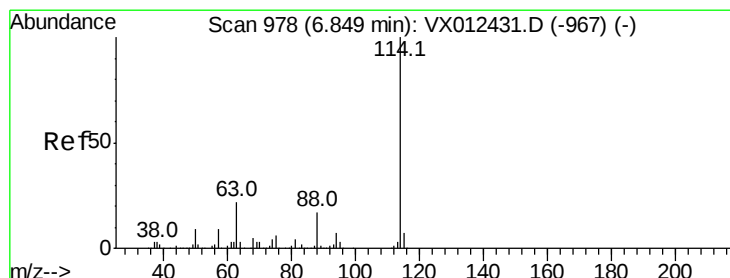
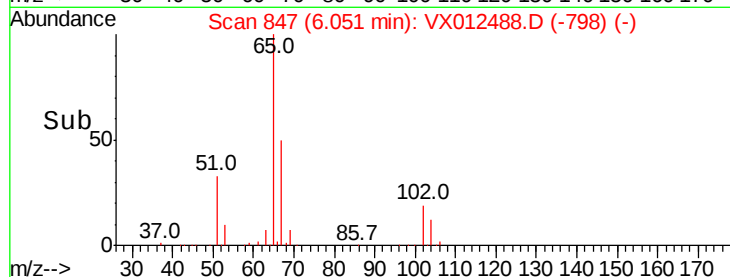
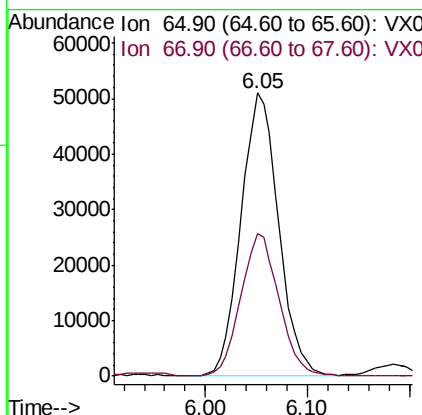
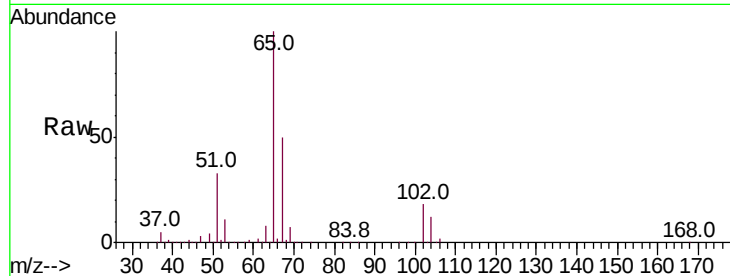
Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion: 65 Resp: 131332

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

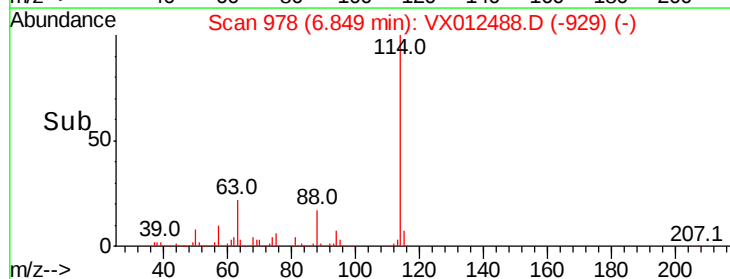
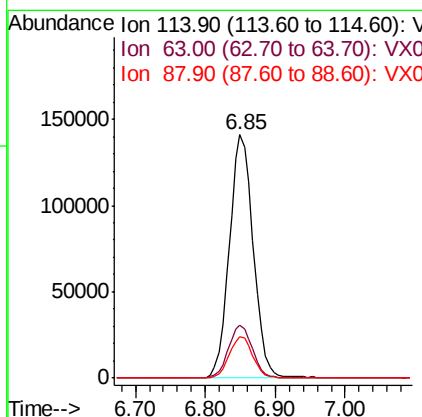
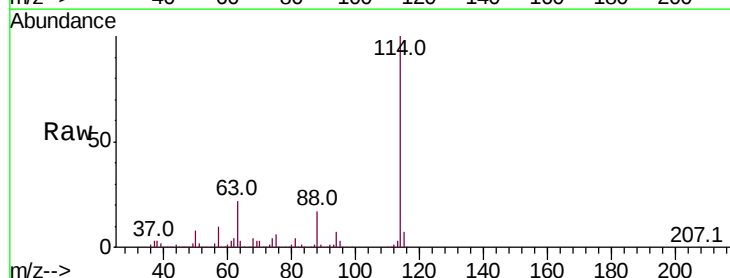
Delta R.T. 0.00 min

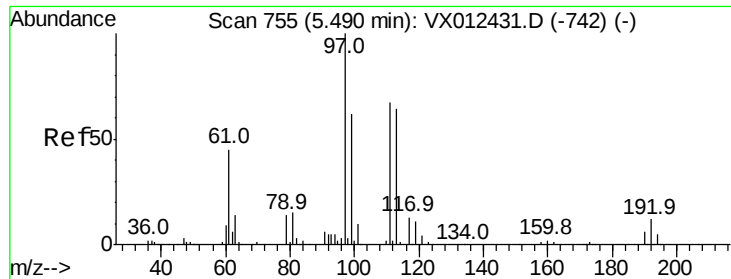
Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Tgt Ion: 114 Resp: 334953

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	17.0	0.0	33.2

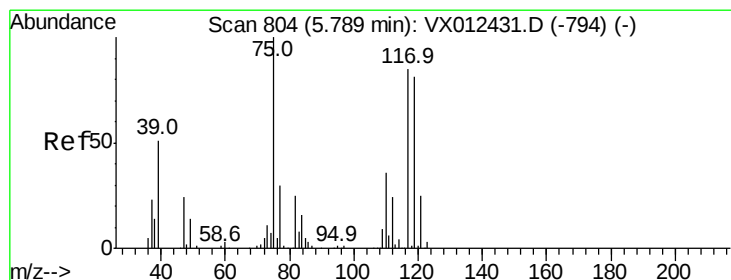
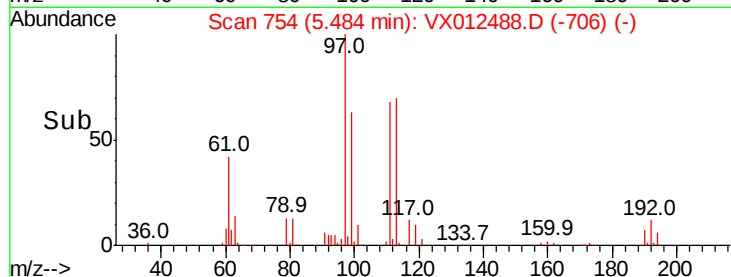
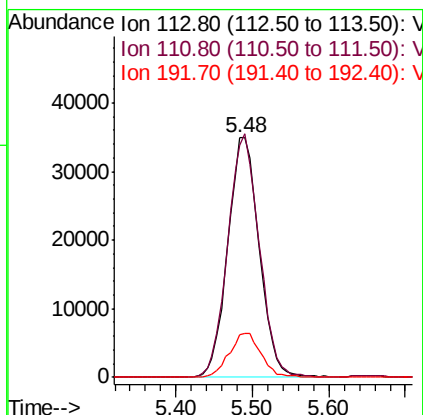
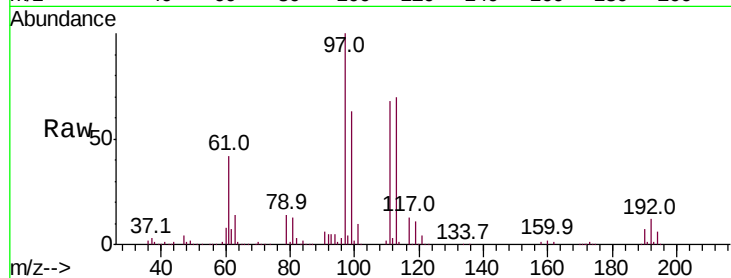




#35
 Dibromofluoromethane
 Concen: 49.177 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

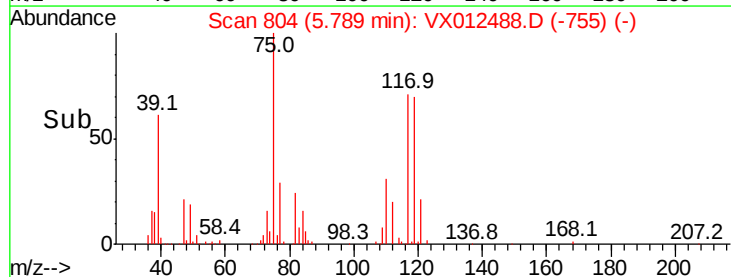
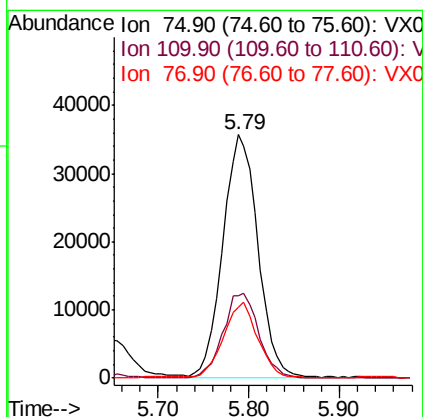
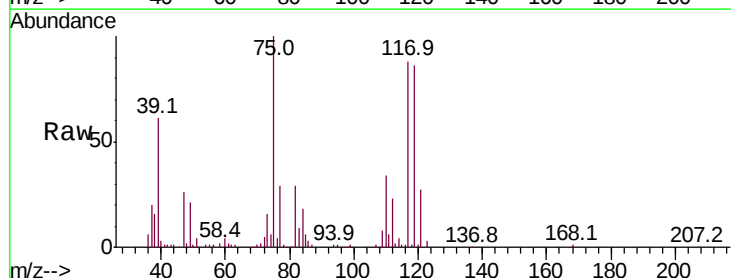
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

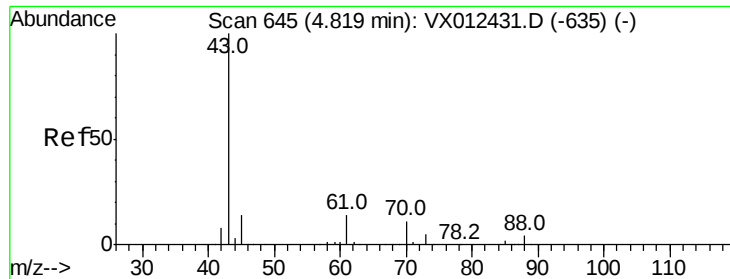
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.4	125.2
192	18.4	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 47.370 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	16.7	50.0
77	30.5	24.2	36.2

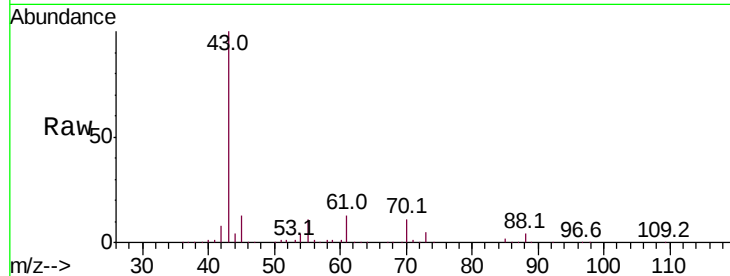




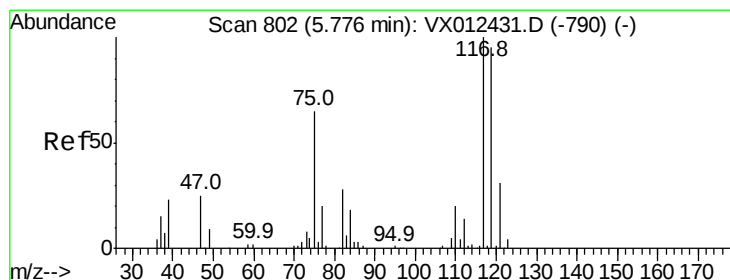
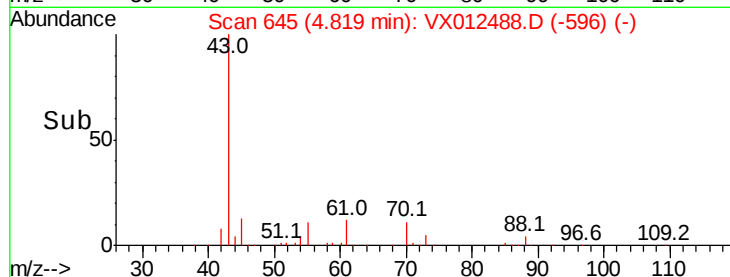
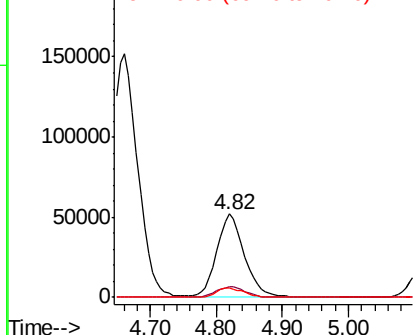
#37
Ethyl Acetate
Concen: 47.578 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

Tot Ion: 43 Resp: 148671
Ion Ratio Lower Upper
43 100
61 13.6 10.2 15.4
70 11.6 8.7 13.1

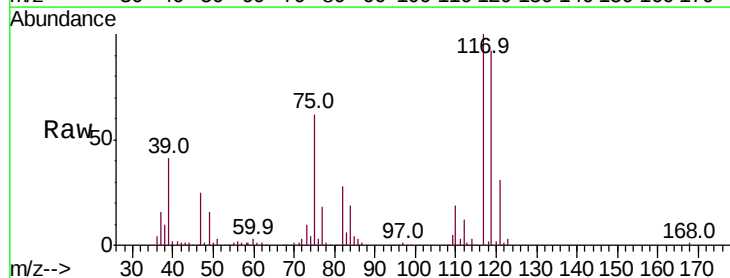


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

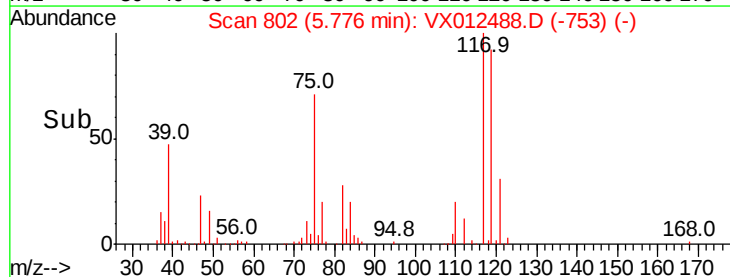
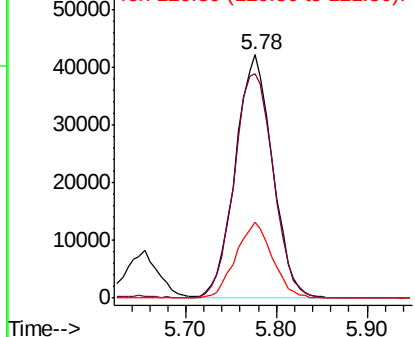


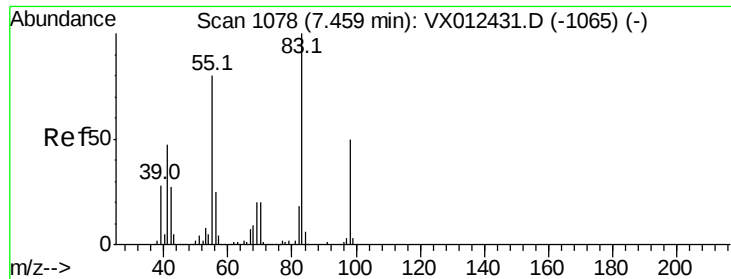
#38
Carbon Tetrachloride
Concen: 47.395 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion: 117 Resp: 119996
Ion Ratio Lower Upper
117 100
119 92.4 75.7 113.5
121 31.0 24.2 36.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

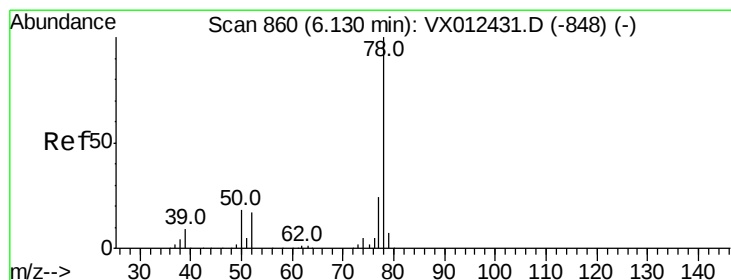
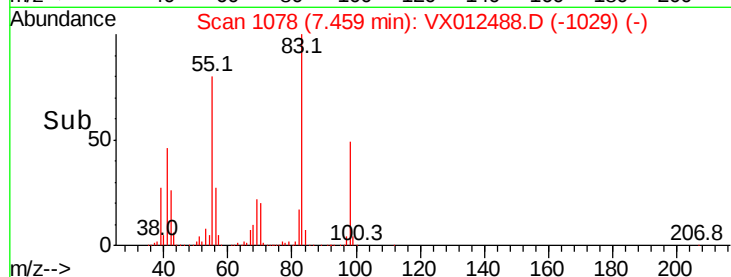
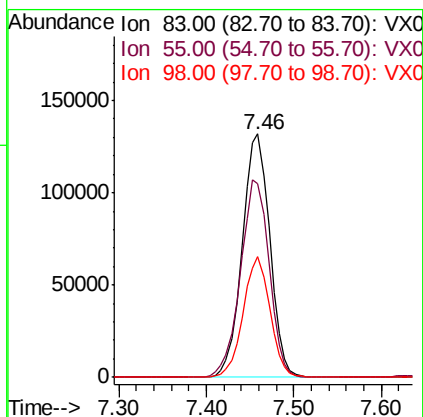
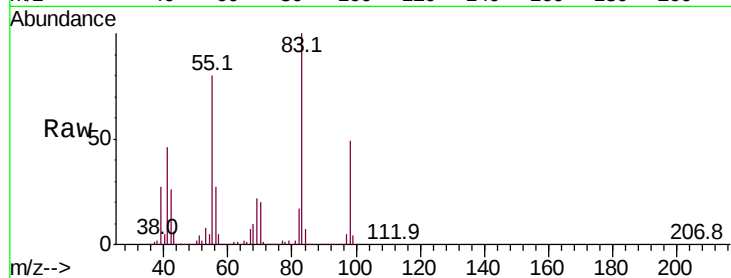




#39
Methvlcvclohexane
Concen: 145.769 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

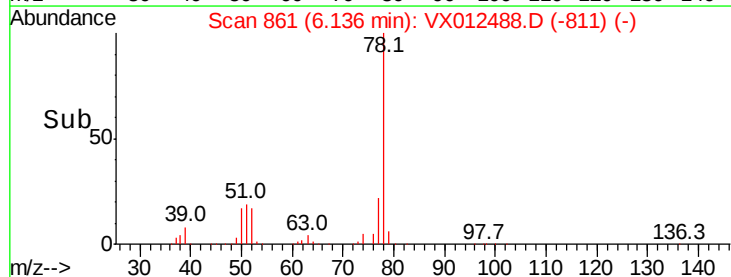
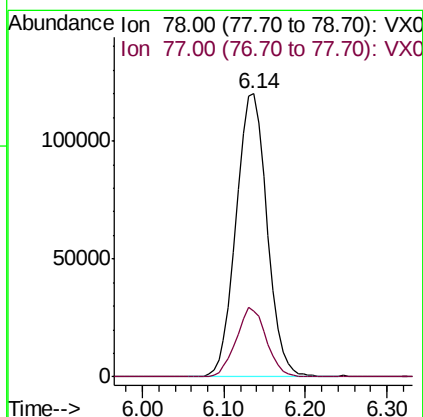
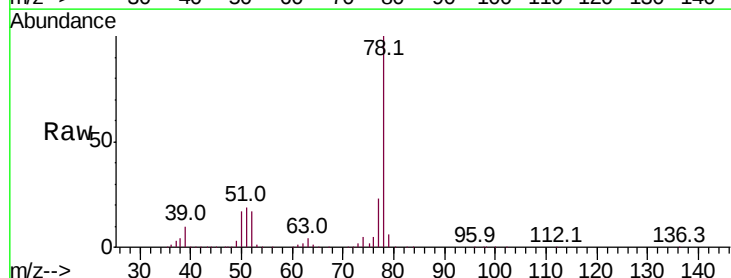
Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

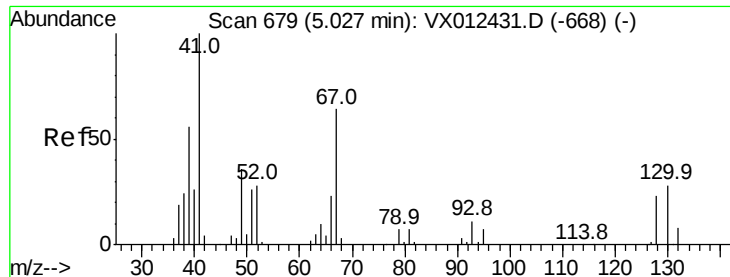
Tot Ion: 83 Resp: 288471
Ion Ratio Lower Upper
83 100
55 79.6 64.4 96.6
98 49.3 40.1 60.1



#40
Benzene
Concen: 48.943 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion: 78 Resp: 316826
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8





#41

Methacrylonitrile

Concen: 45.163 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 41 Resp: 90869

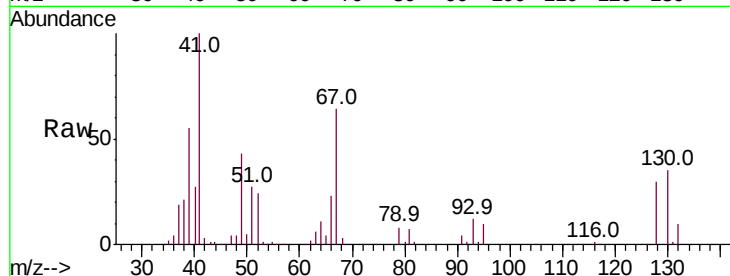
Ion Ratio Lower Upper

41 100

39 58.5 46.0 69.0

67 68.2 52.2 78.2

52 28.2 22.7 34.1

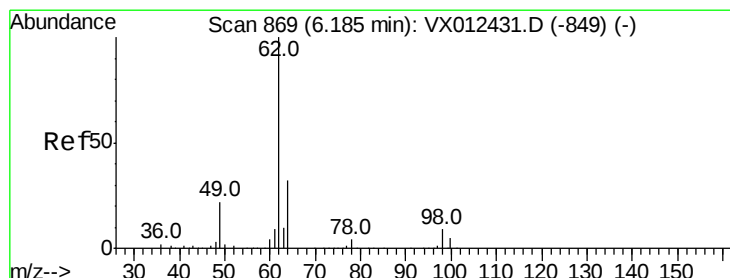
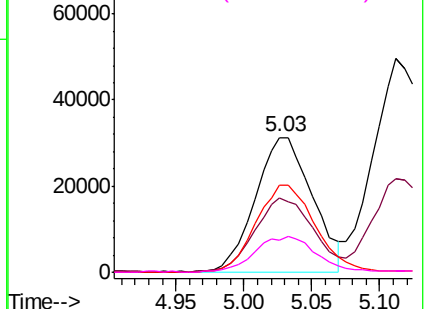
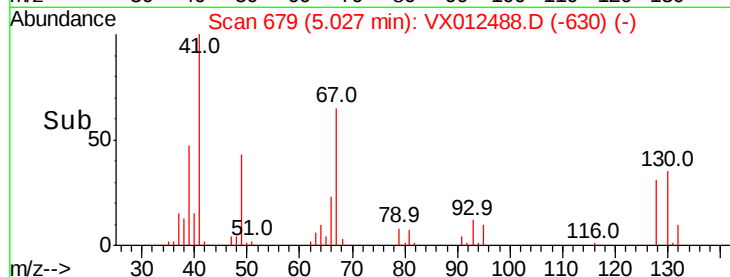


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 46.398 ug/l

RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX012488.D

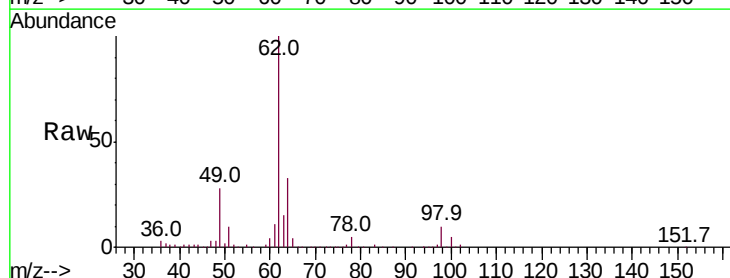
Acq: 18 Sep 2019 20:51

Tgt Ion: 62 Resp: 139306

Ion Ratio Lower Upper

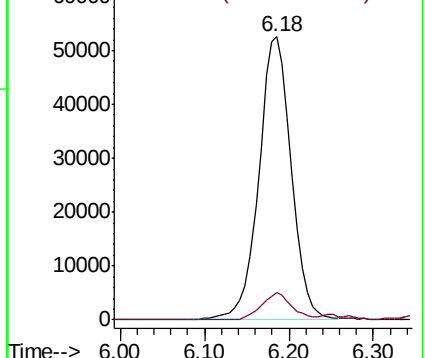
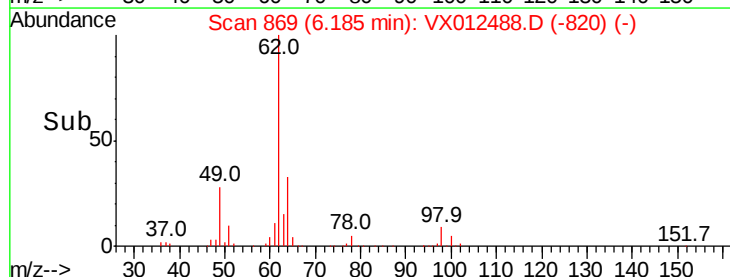
62 100

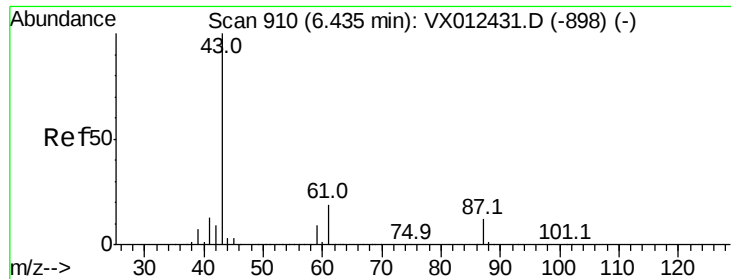
98 9.1 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 46.418 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

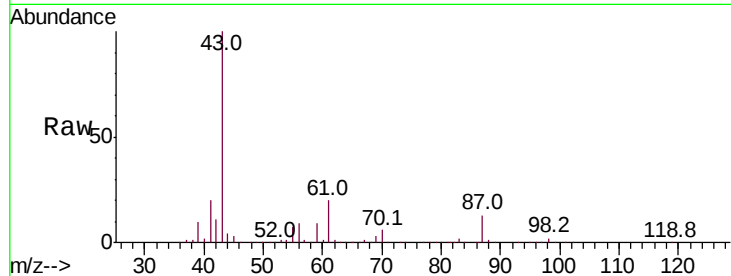
Tot Ion: 43 Resp: 260330

Ion Ratio Lower Upper

43 100

61 19.5 15.4 23.0

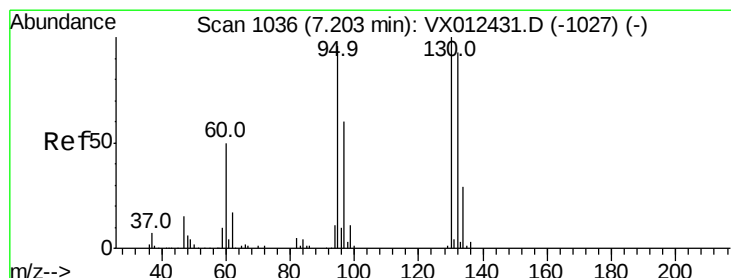
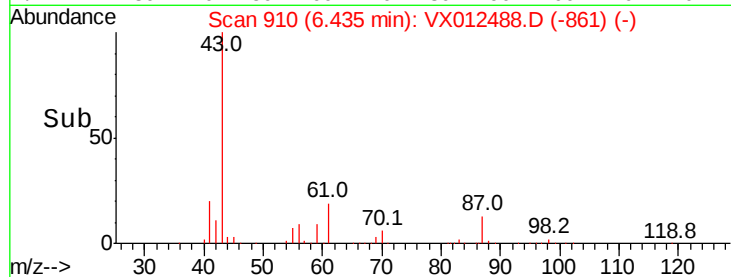
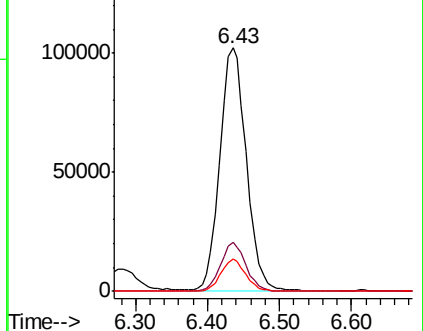
87 12.6 9.8 14.8



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: 49.115 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX012488.D

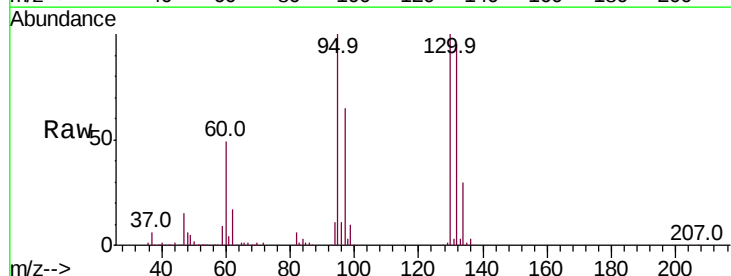
Acq: 18 Sep 2019 20:51

Tgt Ion:130 Resp: 83636

Ion Ratio Lower Upper

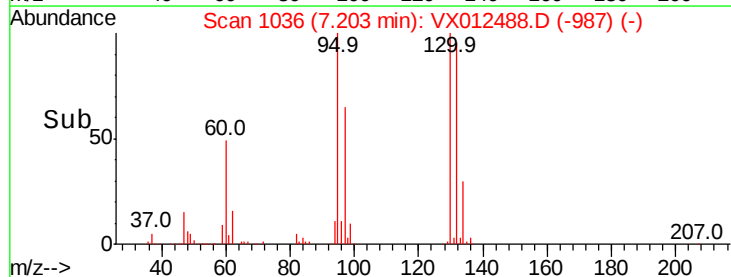
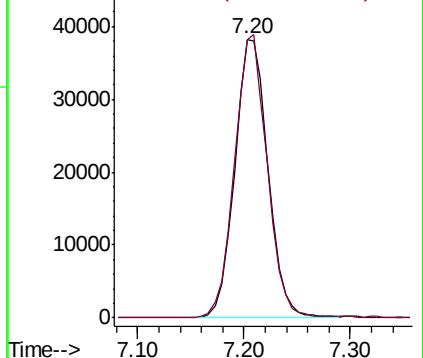
130 100

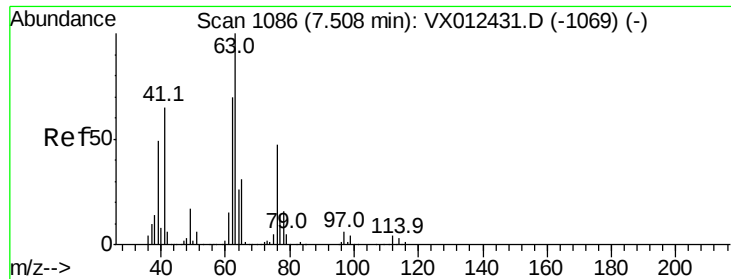
95 99.7 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 48.594 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

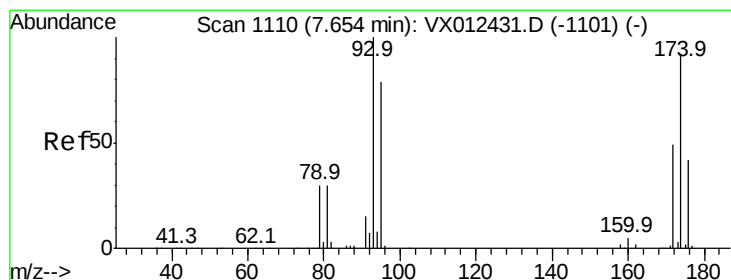
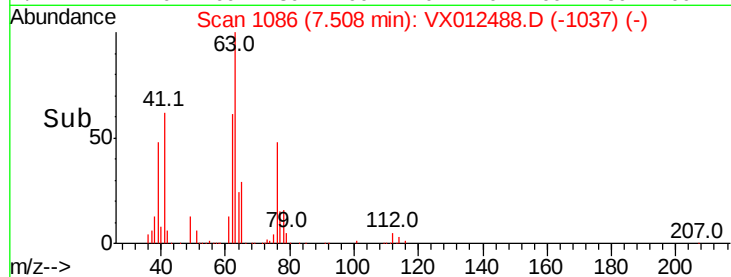
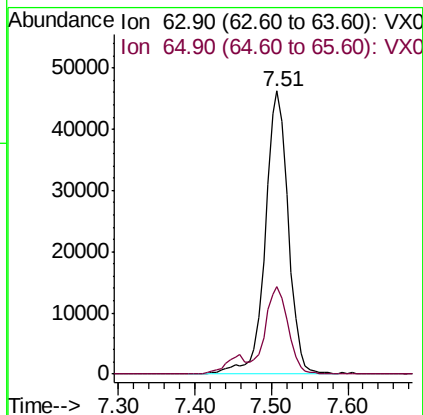
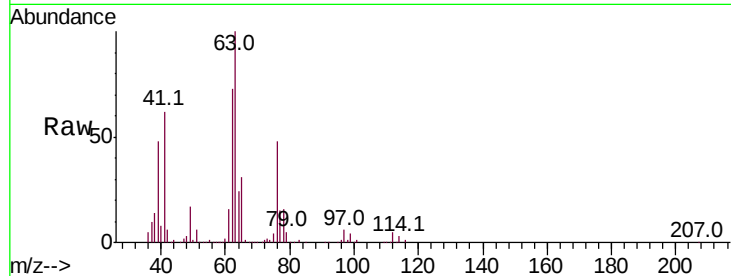
S13-0282MSD

Tot Ion: 63 Resp: 96643

Ion Ratio Lower Upper

63 100

65 30.7 25.0 37.6



#46

Dibromomethane

Concen: 48.407 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

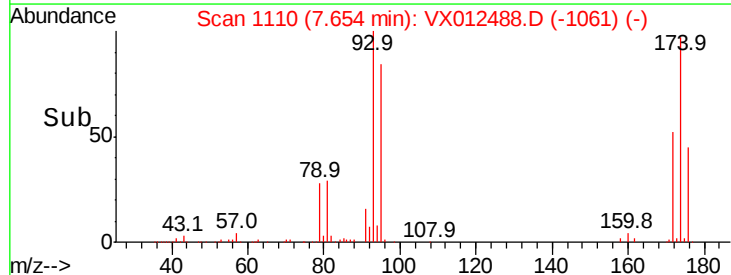
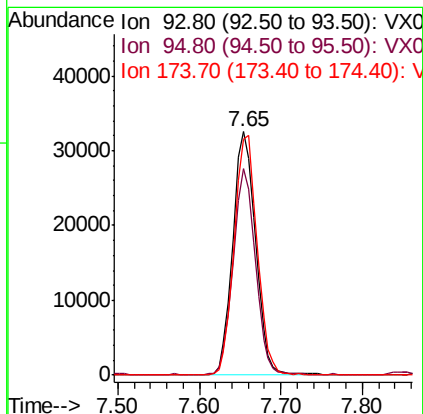
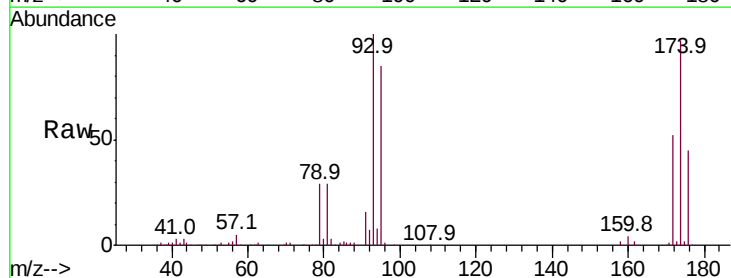
Tgt Ion: 93 Resp: 62299

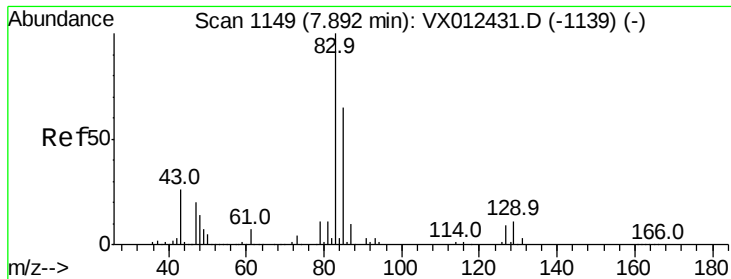
Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

174 99.6 77.4 116.0





#47

Bromodichloromethane

Concen: 49.160 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

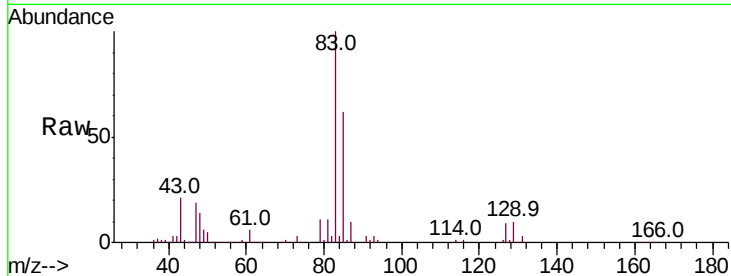
Tot Ion: 83 Resp: 140873

Ion Ratio Lower Upper

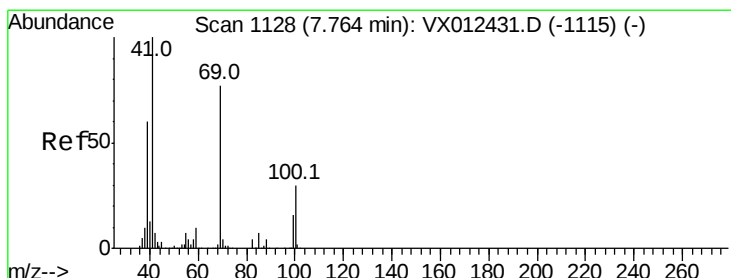
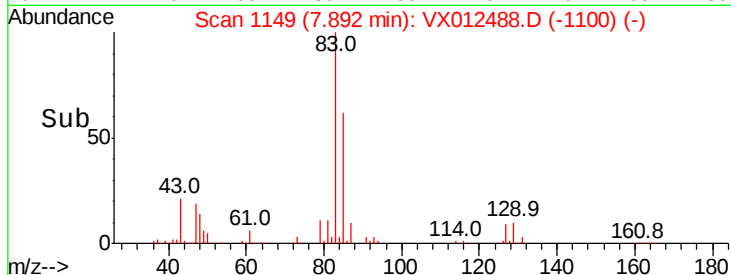
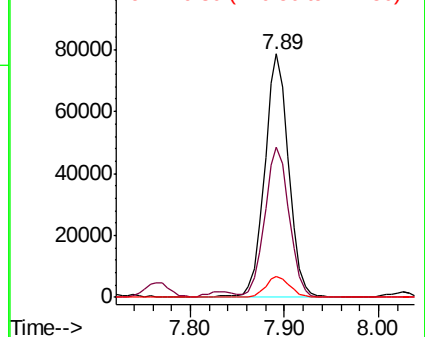
83 100

85 61.6 51.8 77.6

127 8.5 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.472 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

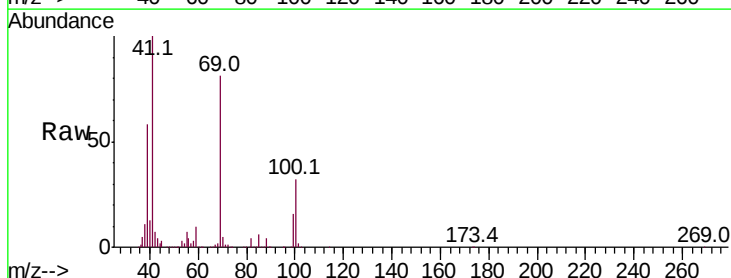
Tgt Ion: 41 Resp: 133435

Ion Ratio Lower Upper

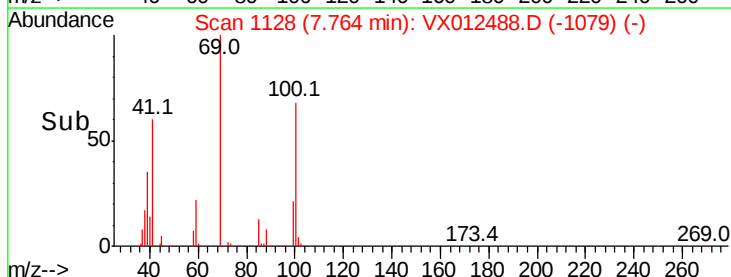
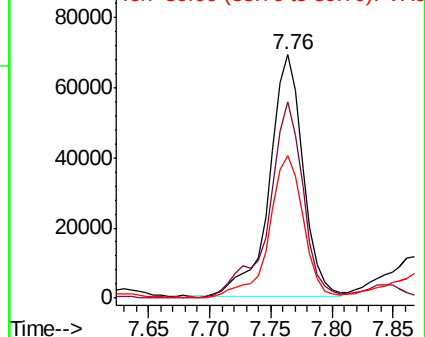
41 100

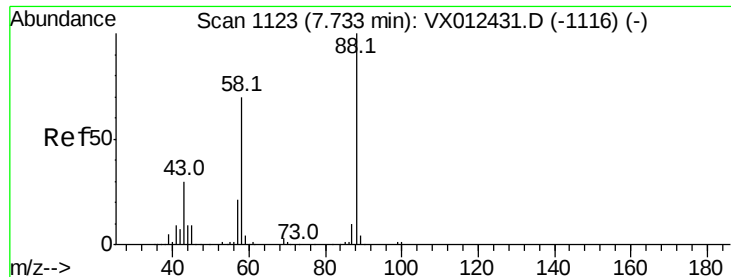
69 83.4 59.9 89.9

39 58.3 47.8 71.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

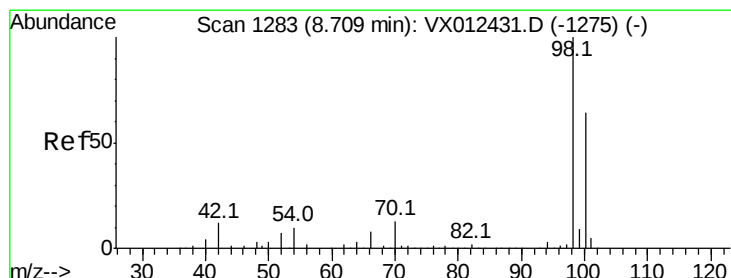
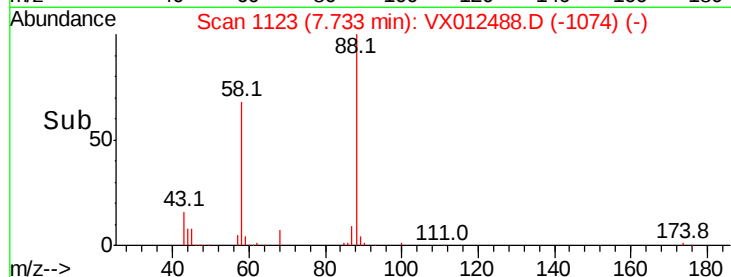
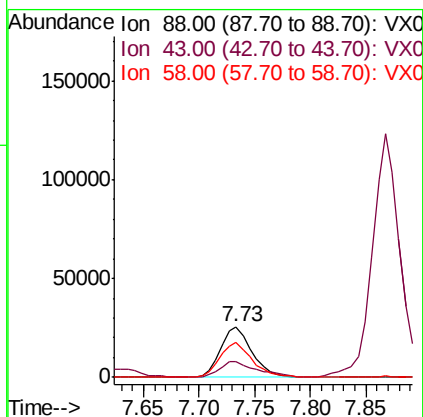
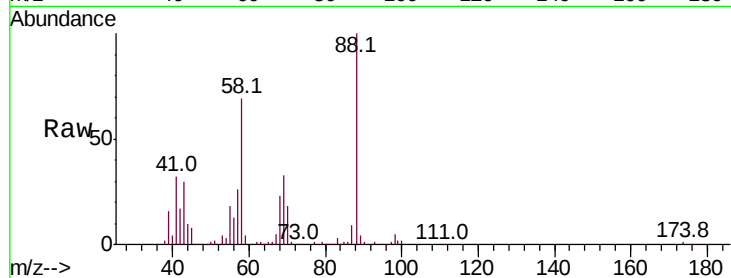




#49
1,4-Dioxane
Concen: 772.333 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

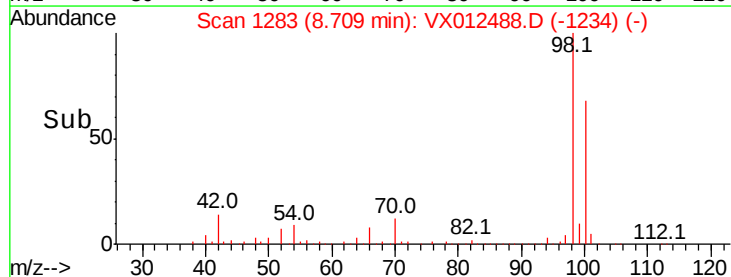
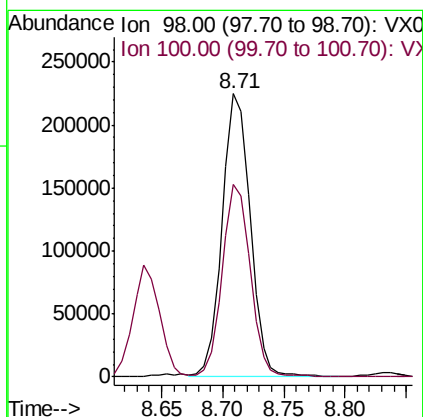
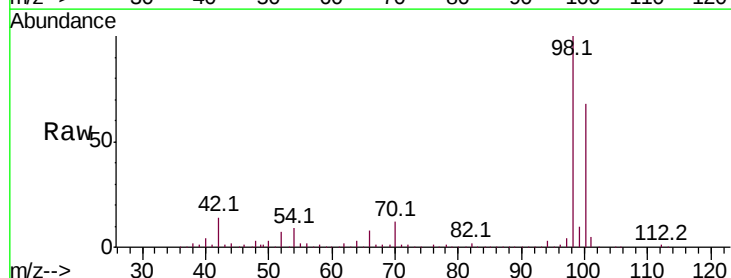
Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

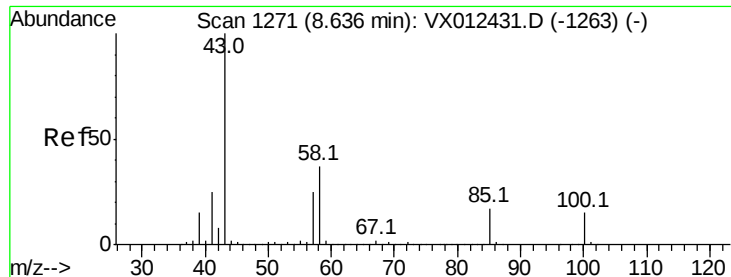
Tot Ion	88	Resp	49695
Ion	Ratio	Lower	Upper
88	100		
43	34.7	29.4	44.0
58	71.1	57.5	86.3



#50
Toluene-d8
Concen: 47.295 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	98	Resp	354907
Ion	Ratio	Lower	Upper
98	100		
100	68.8	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 234.169 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

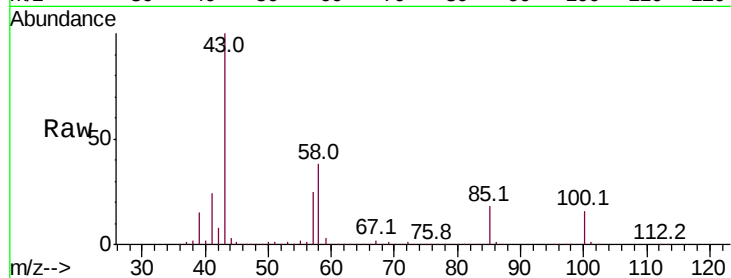
S13-0282MSD

Tot Ion: 43 Resp: 861261

Ion Ratio Lower Upper

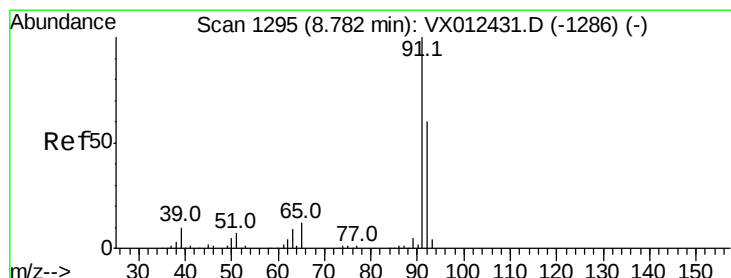
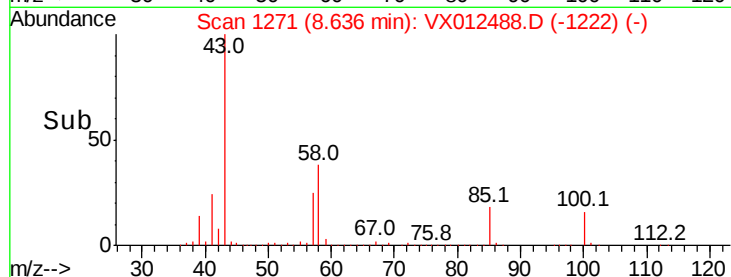
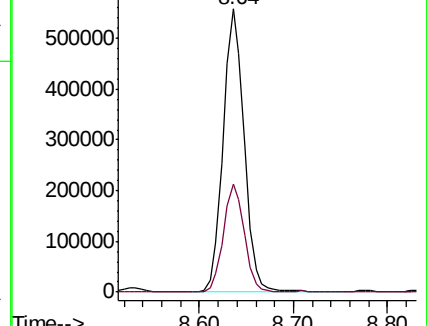
43 100

58 38.0 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.861 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX012488.D

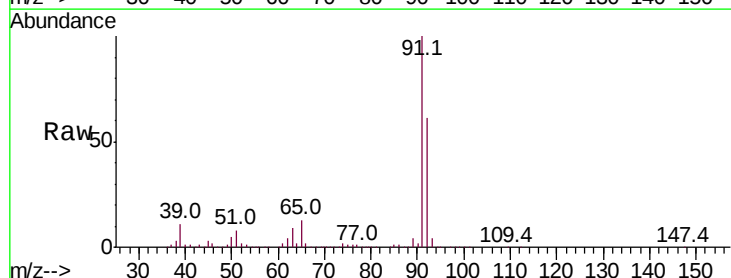
Acq: 18 Sep 2019 20:51

Tgt Ion: 92 Resp: 207982

Ion Ratio Lower Upper

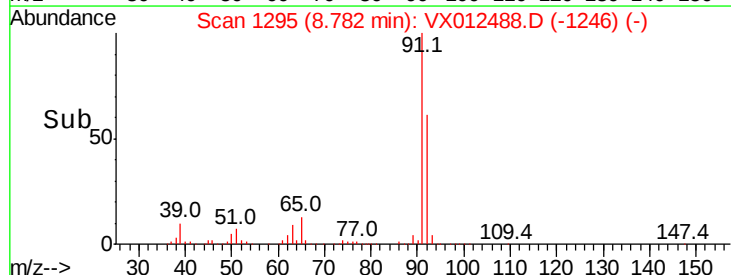
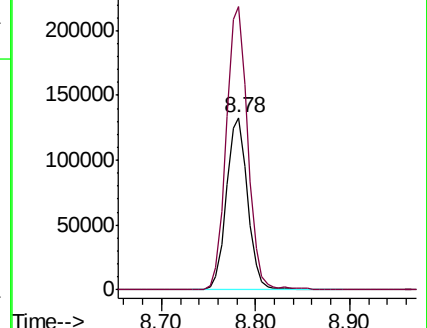
92 100

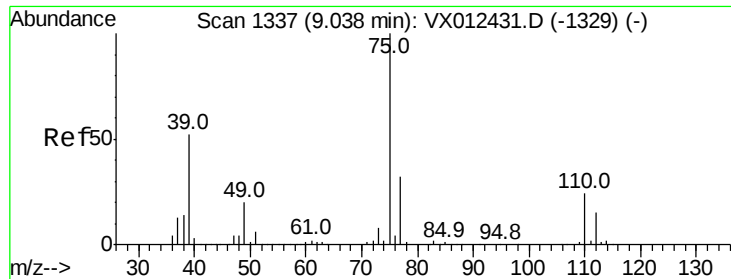
91 166.1 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

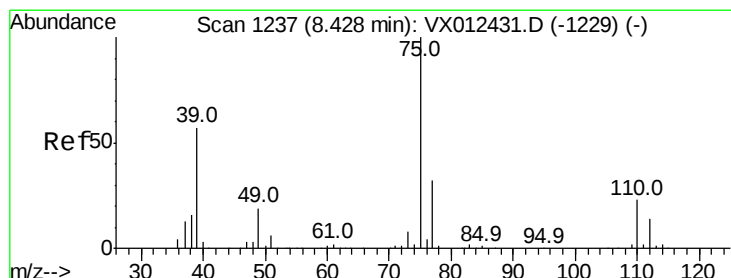
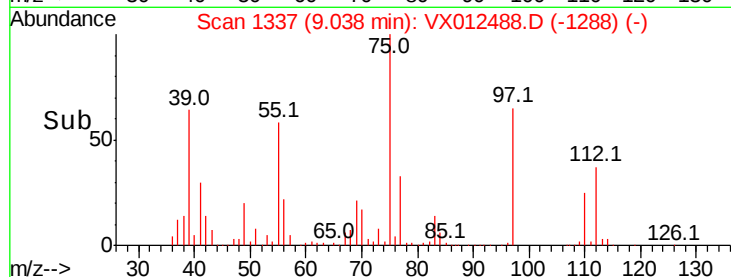
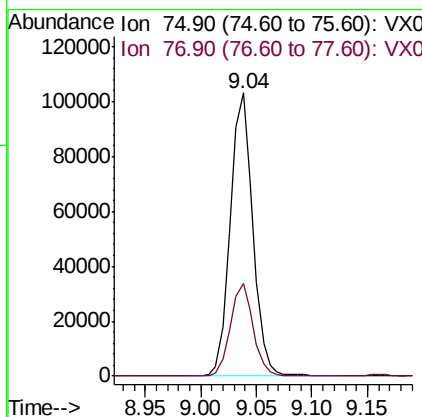
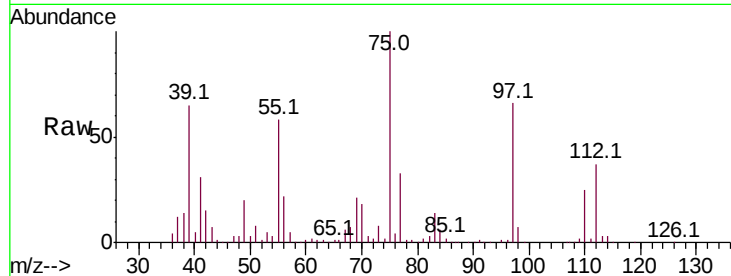




#53
t-1,3-Dichloropropene
Concen: 48.558 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

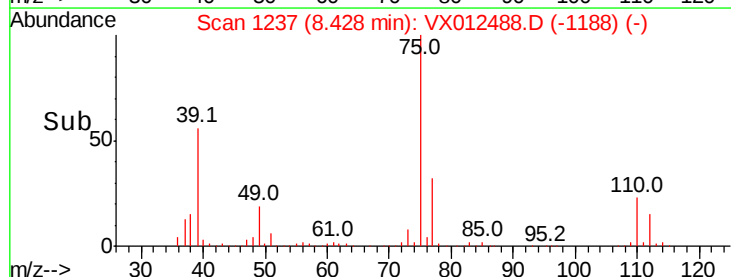
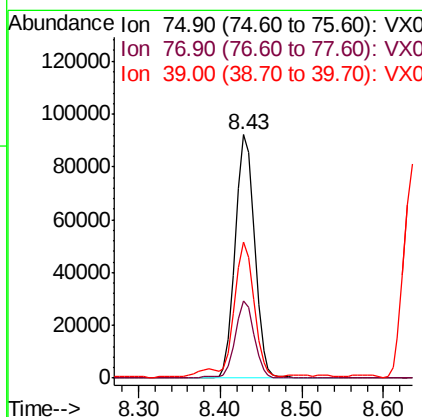
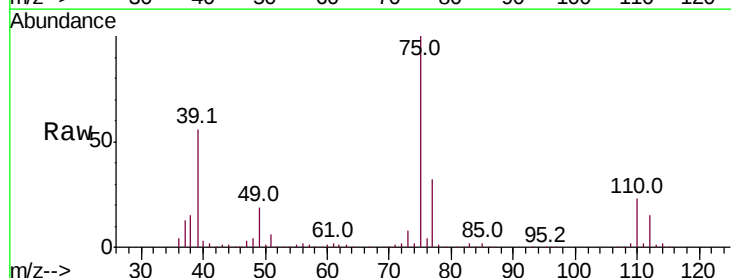
Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

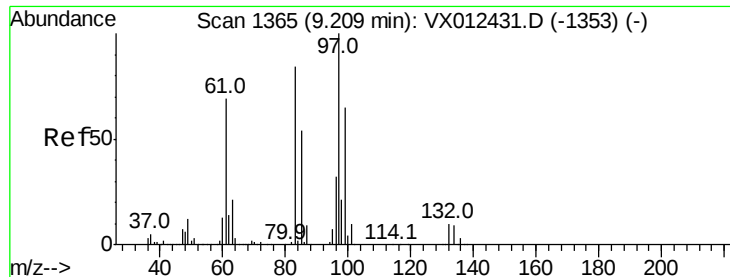
Tot Ion: 75 Resp: 144644
Ion Ratio Lower Upper
75 100
77 32.6 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 48.618 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion: 75 Resp: 149932
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.8
39 55.2 45.5 68.3





#55

1,1,2-Trichloroethane

Concen: 47.338 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 97 Resp: 101730

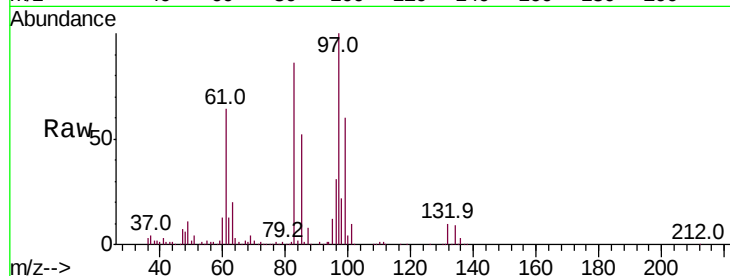
Ion Ratio Lower Upper

97 100

83 86.3 67.4 101.2

85 51.5 43.5 65.3

99 59.7 51.8 77.8

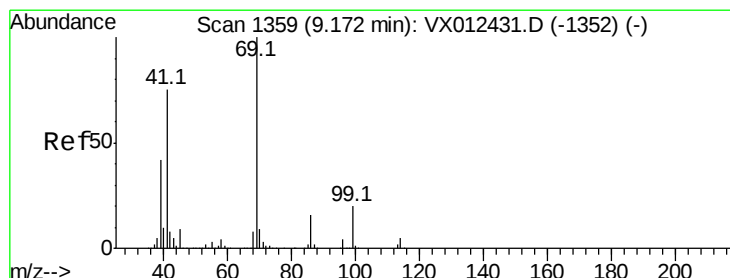
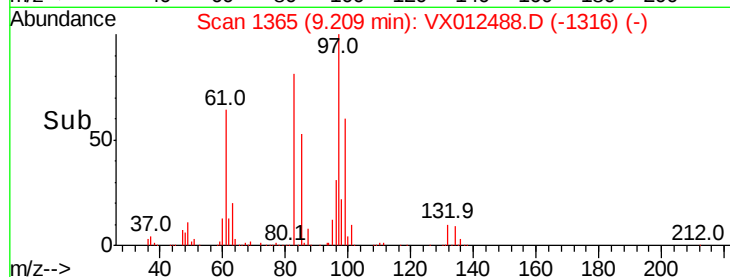
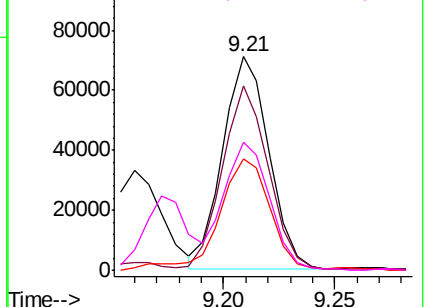


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 53.577 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

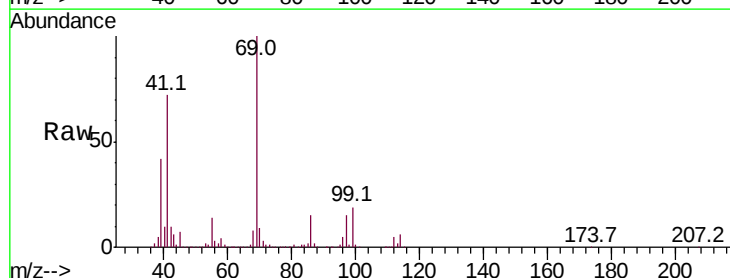
Tgt Ion: 69 Resp: 180017

Ion Ratio Lower Upper

69 100

41 77.0 58.4 87.6

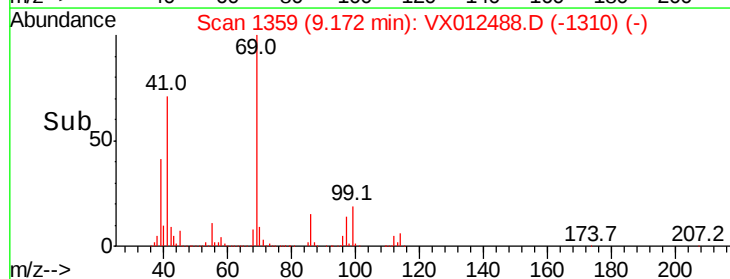
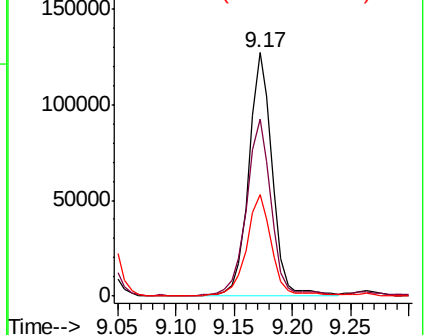
39 44.1 33.4 50.0

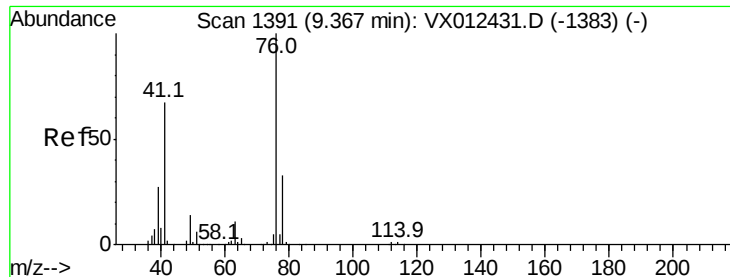


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 48.253 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampled :

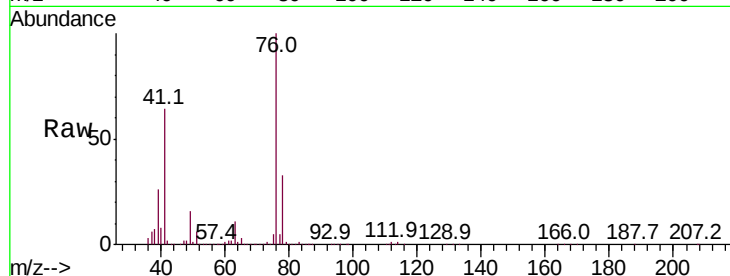
S13-0282MSD

Tot Ion: 76 Resp: 165450

Ion Ratio Lower Upper

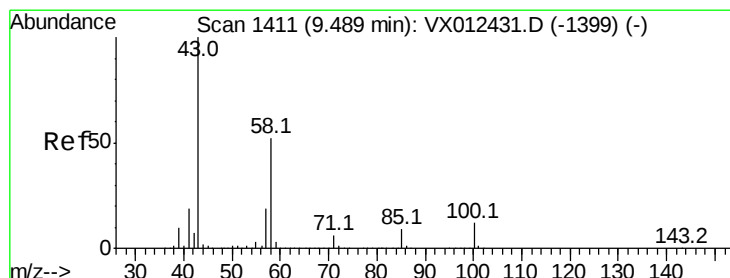
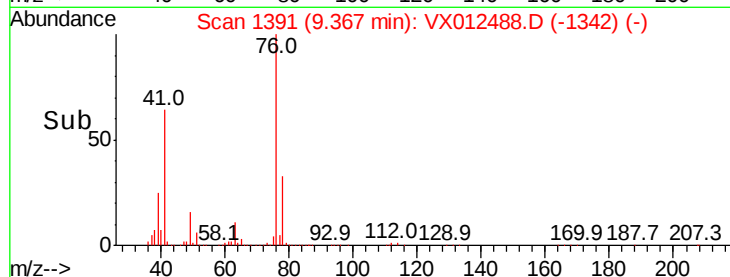
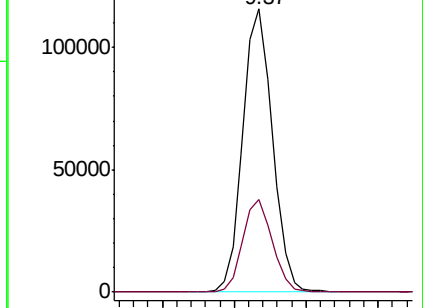
76 100

78 32.8 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 222.768 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VX012488.D

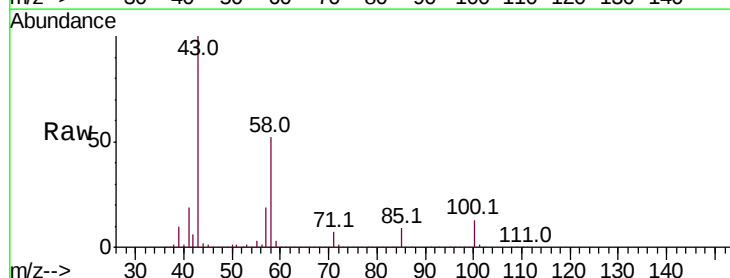
Acq: 18 Sep 2019 20:51

Tgt Ion: 43 Resp: 639211

Ion Ratio Lower Upper

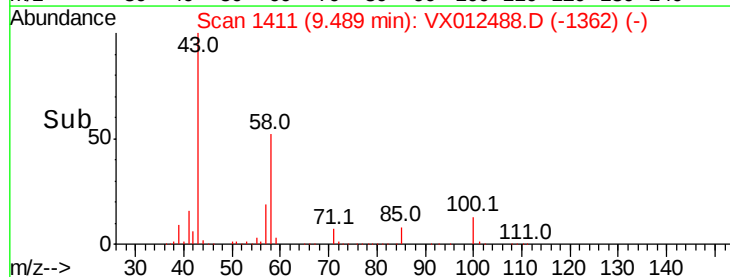
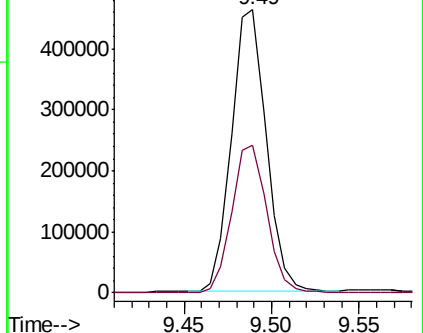
43 100

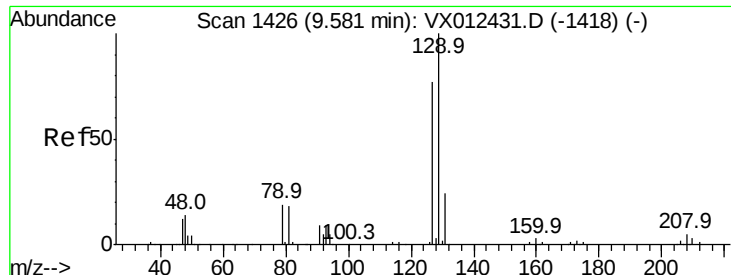
58 53.7 25.7 77.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

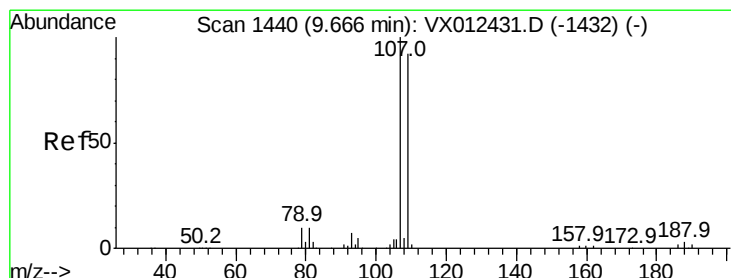
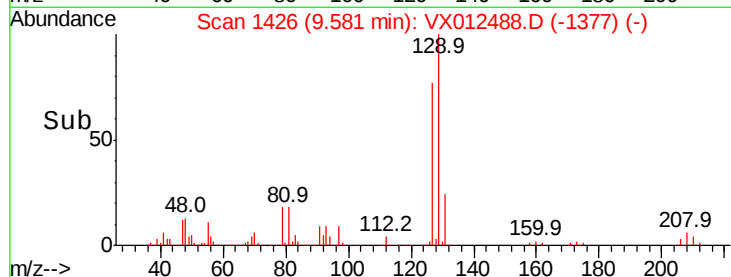
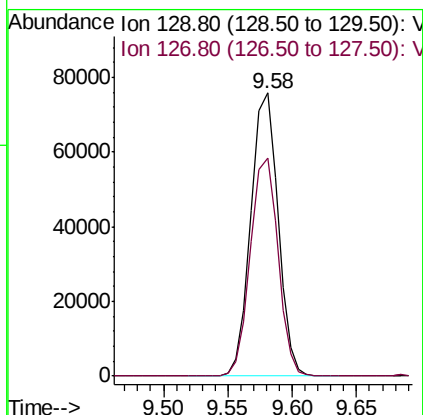
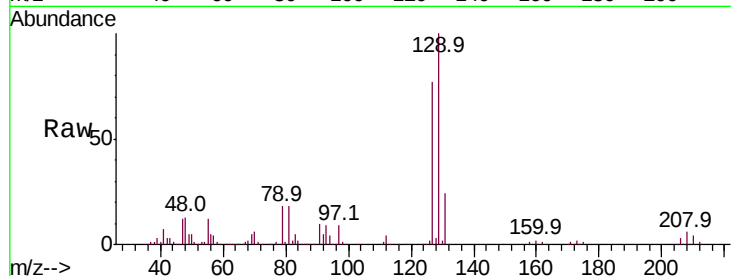




#60
 Dibromochloromethane
 Concen: 50.495 ug/l
 RT: 9.58 min Scan# 1426
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

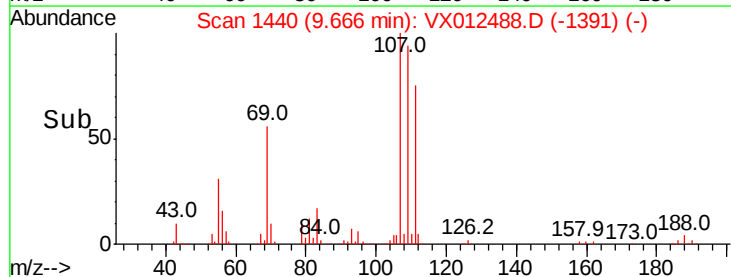
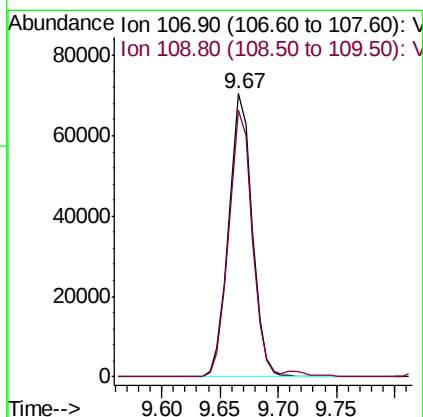
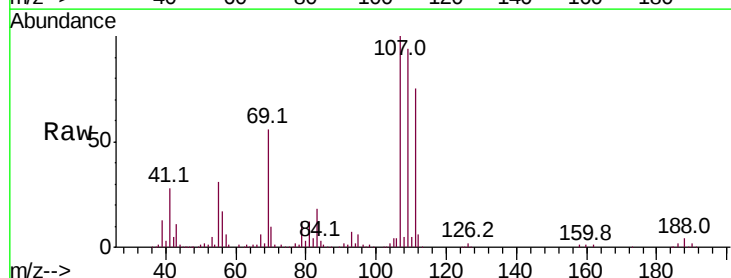
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

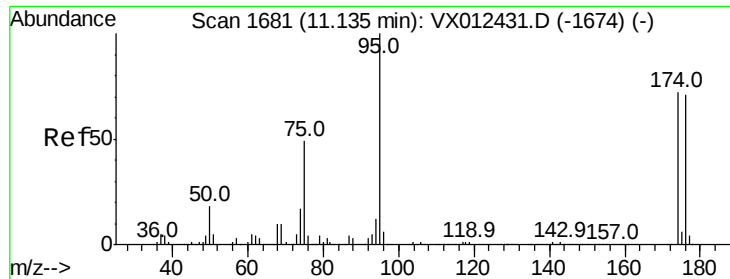
Tot Ion:129 Resp: 110533
 Ion Ratio Lower Upper
 129 100
 127 78.4 38.9 116.6



#61
 1,2-Dibromoethane
 Concen: 50.661 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion:107 Resp: 99432
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.7 112.1





#62

4-Bromofluorobenzene

Concen: 46.498 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

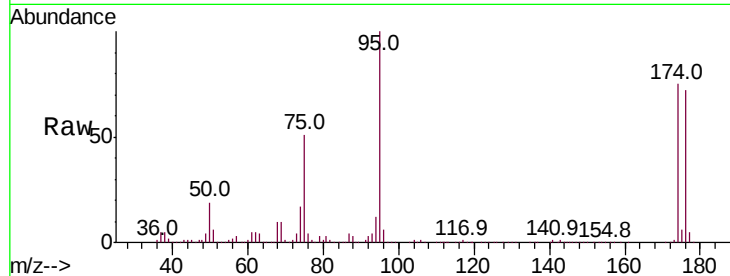
Tot Ion: 95 Resp: 144875

Ion Ratio Lower Upper

95 100

174 72.2 0.0 140.0

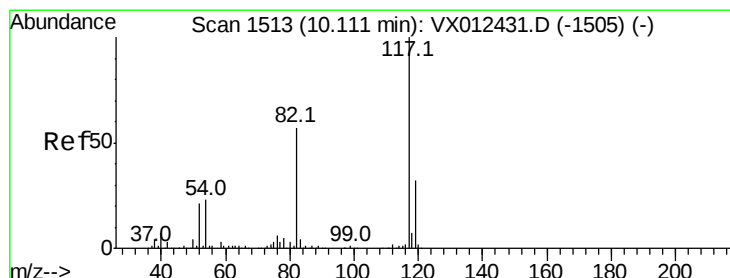
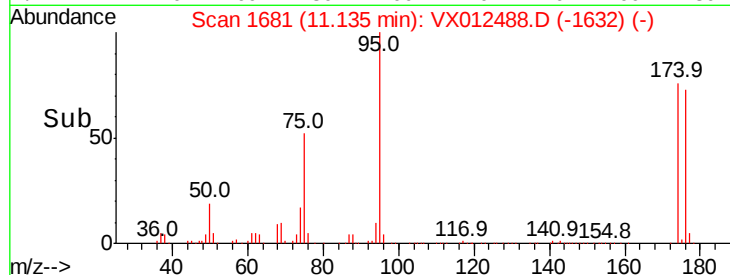
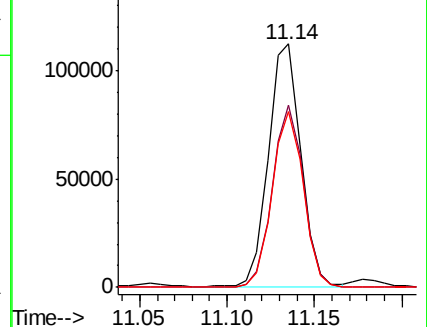
176 69.8 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012488.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012488.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012488.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

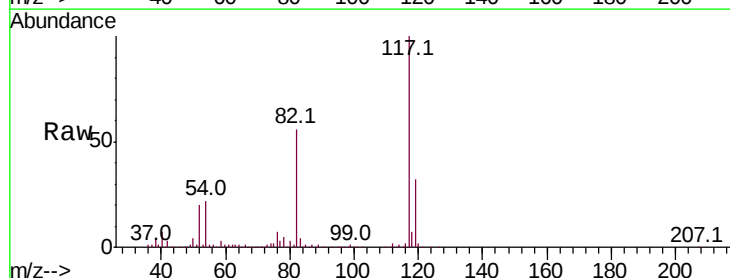
Tgt Ion: 117 Resp: 300705

Ion Ratio Lower Upper

117 100

82 55.5 45.9 68.9

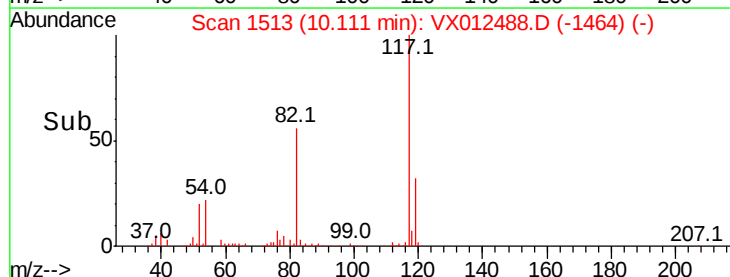
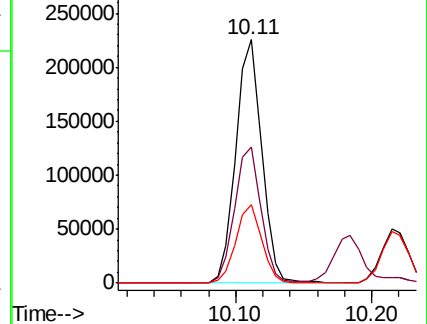
119 32.1 25.3 37.9

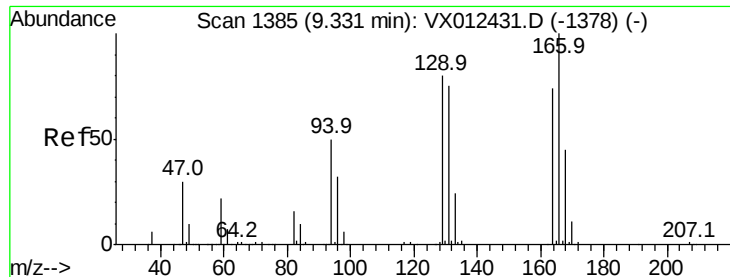


Abundance Ion 116.90 (116.60 to 117.60): VX012488.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012488.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012488.D (-1464) (-)





#64

Tetrachloroethene

Concen: 48.778 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion:164 Resp: 67214

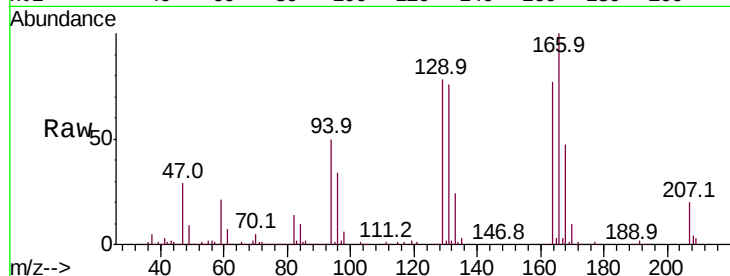
Ion Ratio Lower Upper

164 100

166 130.3 107.8 161.6

129 101.9 86.2 129.2

131 98.5 80.4 120.6

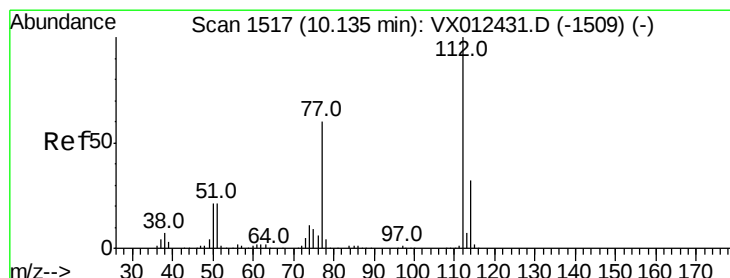
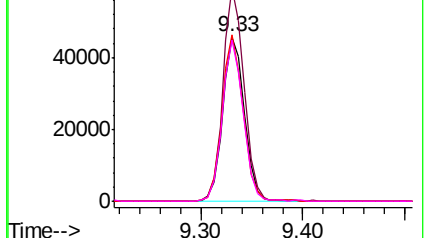
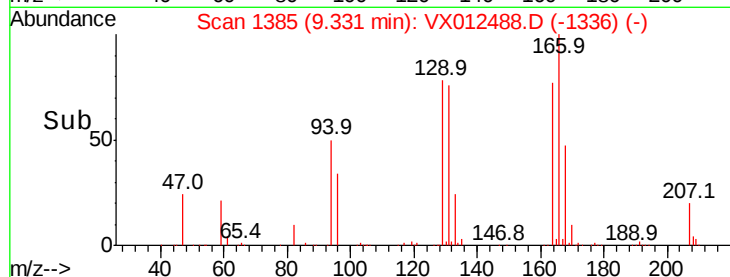


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 48.415 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012488.D

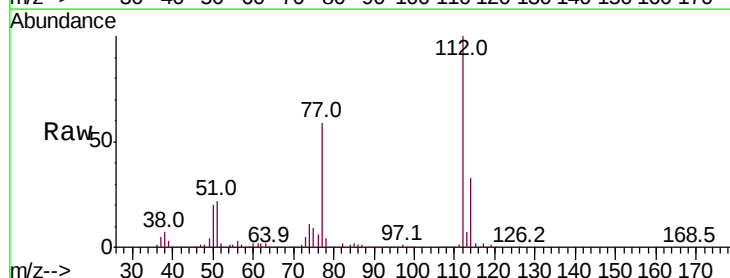
Acq: 18 Sep 2019 20:51

Tgt Ion:112 Resp: 240291

Ion Ratio Lower Upper

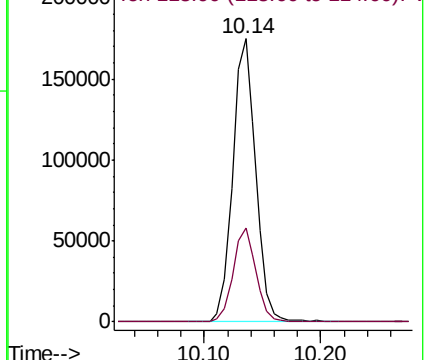
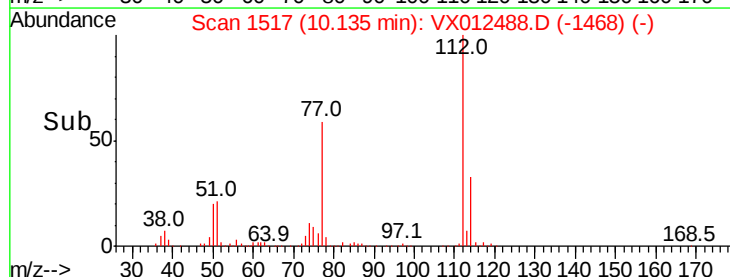
112 100

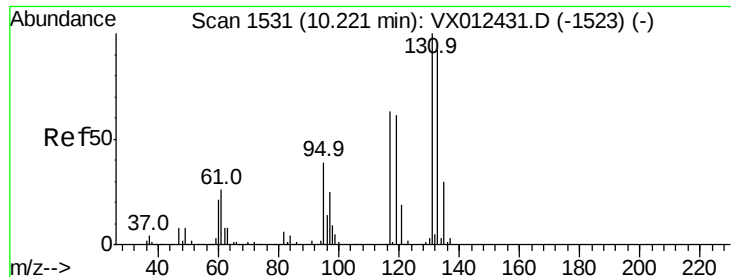
114 33.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 49.971 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

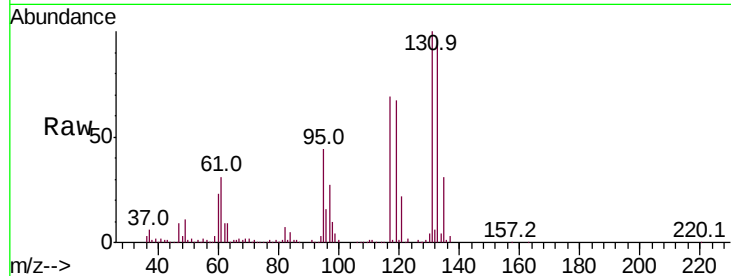
Tot Ion:131 Resp: 102931

Ion Ratio Lower Upper

131 100

133 96.5 47.6 142.9

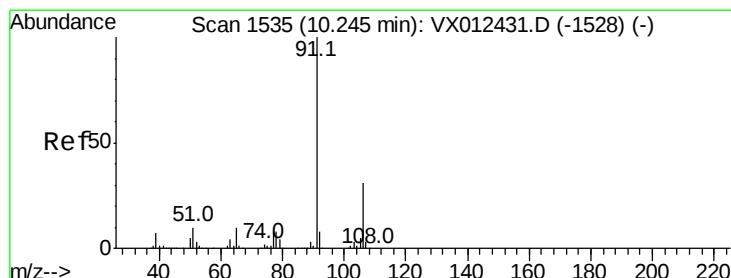
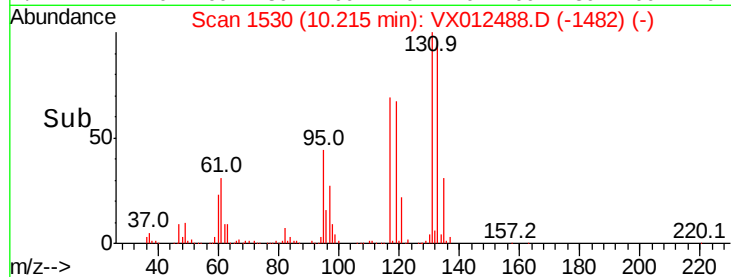
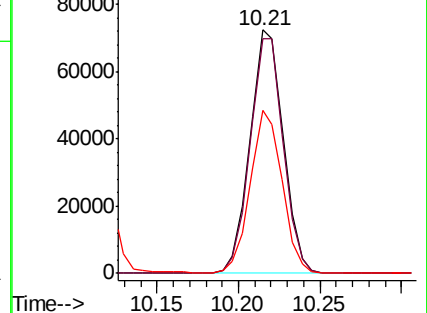
119 64.5 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 52.900 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX012488.D

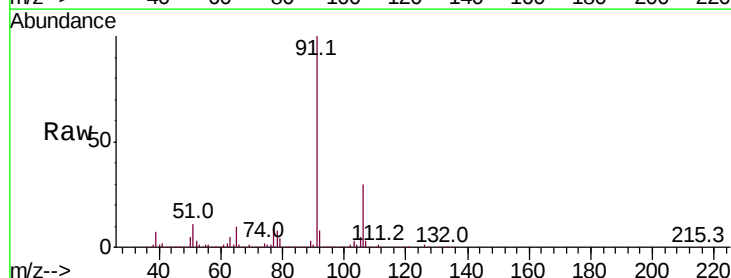
Acq: 18 Sep 2019 20:51

Tgt Ion: 91 Resp: 451076

Ion Ratio Lower Upper

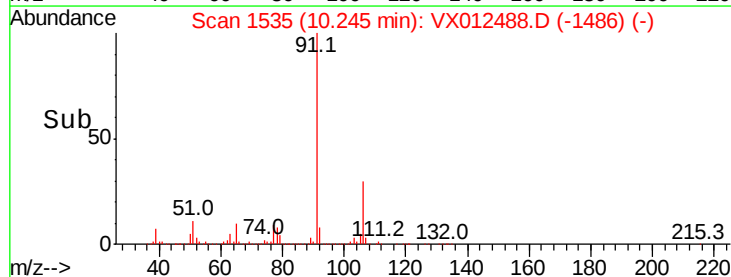
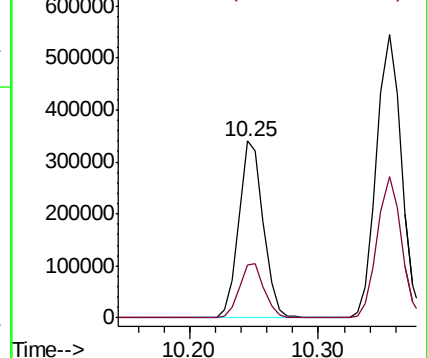
91 100

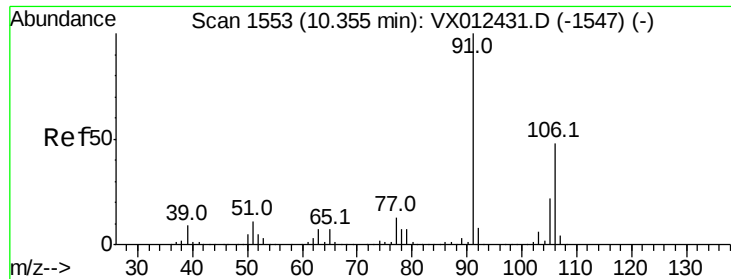
106 30.2 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

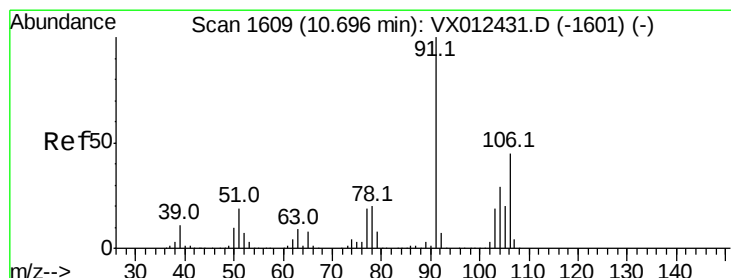
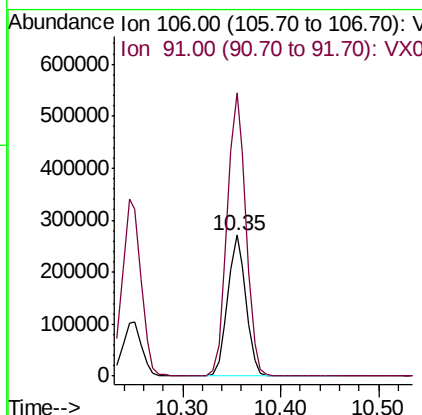
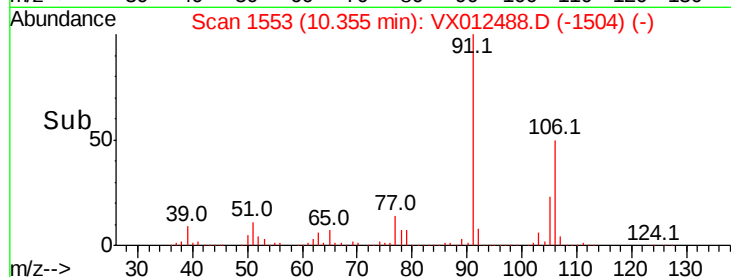
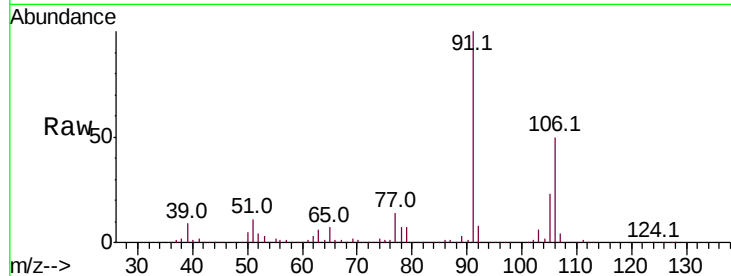




#68
m/p-Xylenes
Concen: 113.338 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

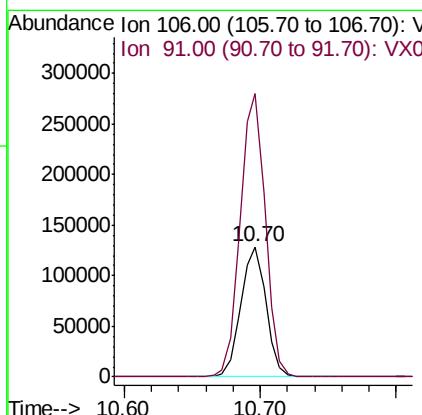
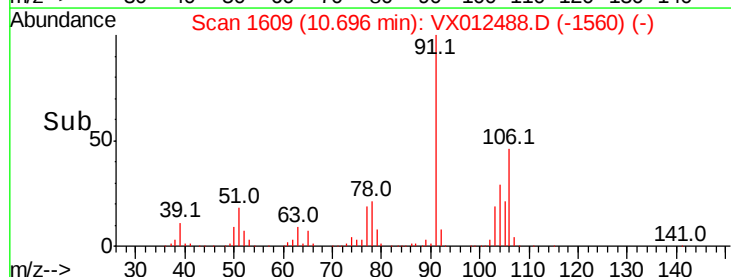
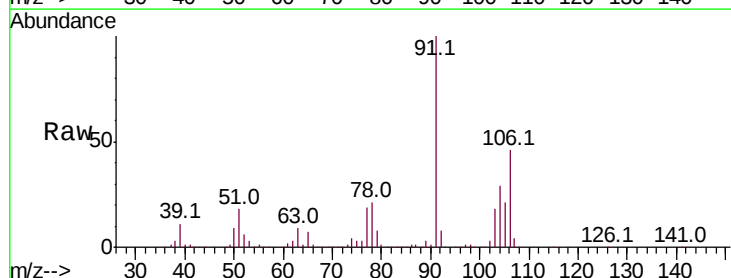
Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

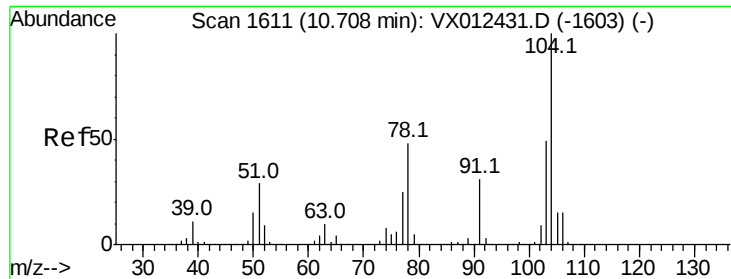
Tot Ion:106 Resp: 351634
Ion Ratio Lower Upper
106 100
91 205.9 166.6 250.0



#69
o-Xylene
Concen: 51.942 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion:106 Resp: 165730
Ion Ratio Lower Upper
106 100
91 217.1 109.4 328.2

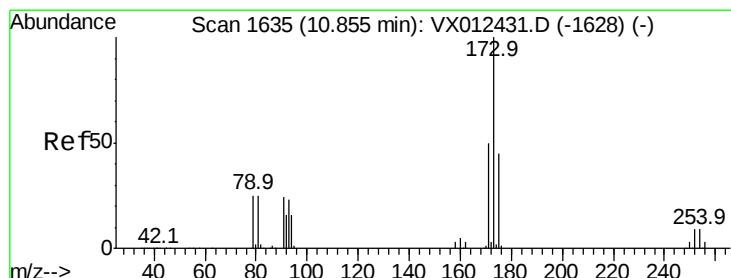
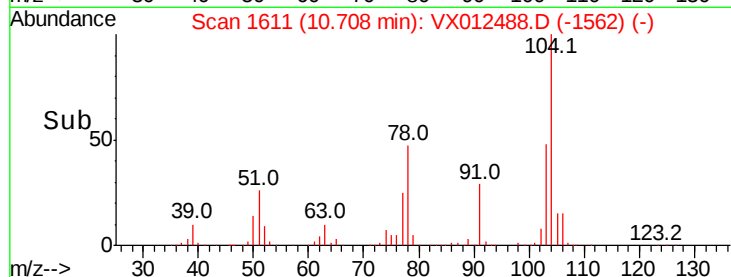
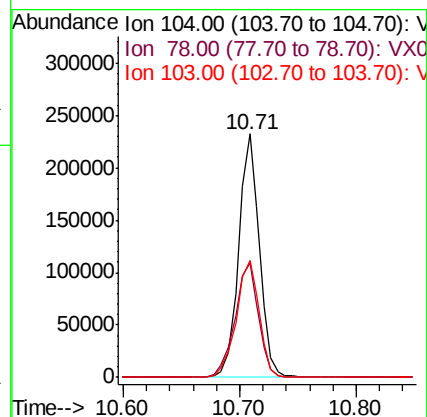
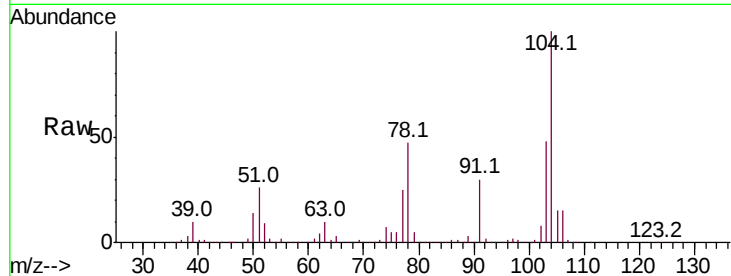




#70
Stvrene
Concen: 50.918 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

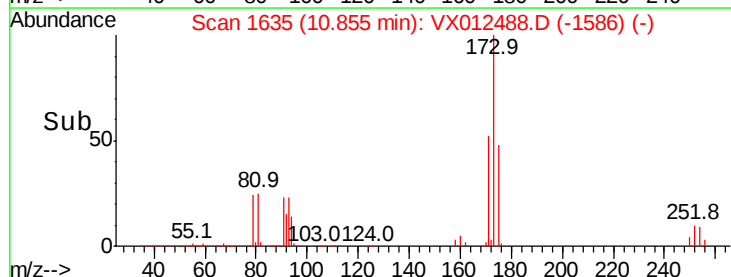
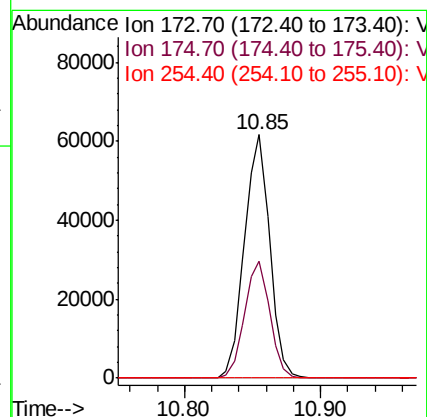
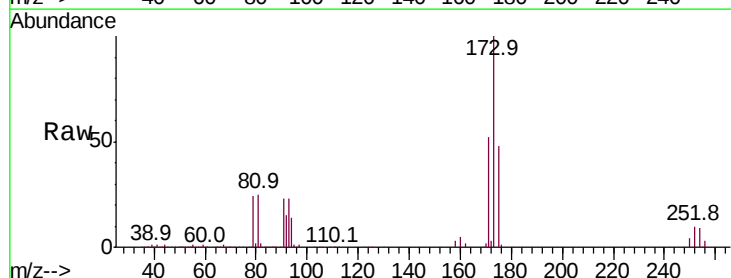
Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

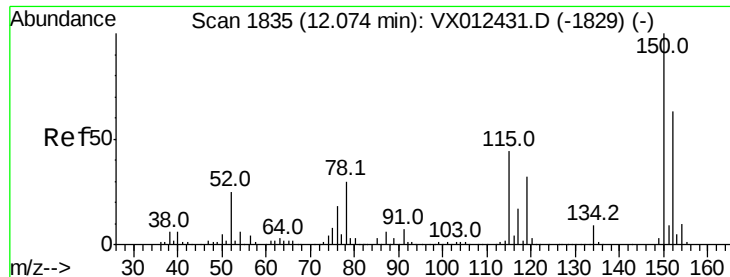
Tot Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.4	65.2
103	53.5	43.3	64.9



#71
Bromoform
Concen: 45.365 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.7	71.1
254	0.2	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

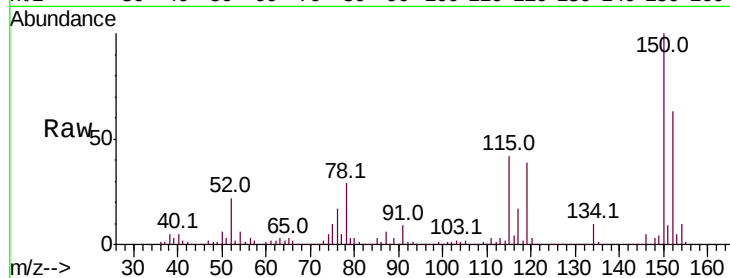
Tot Ion:152 Resp: 145600

Ion Ratio Lower Upper

152 100

115 87.7 44.1 132.3

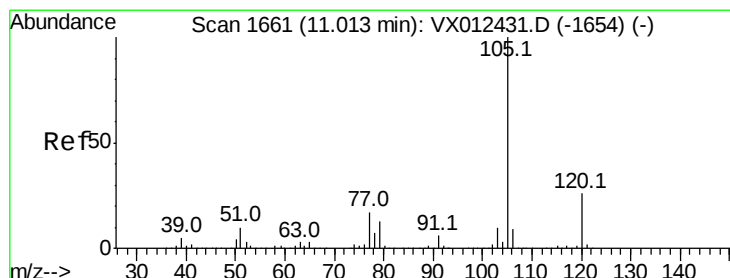
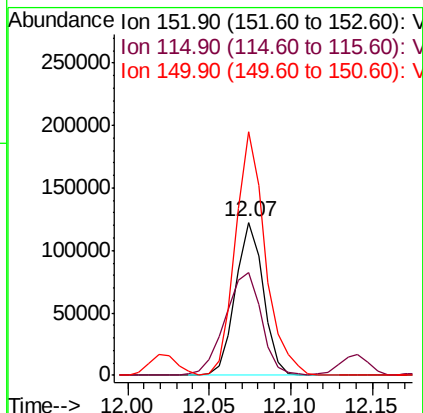
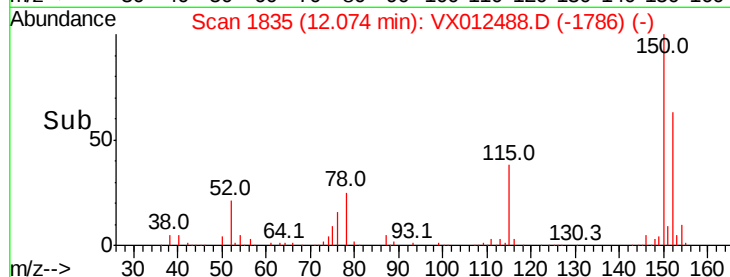
150 171.0 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 123.779 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012488.D

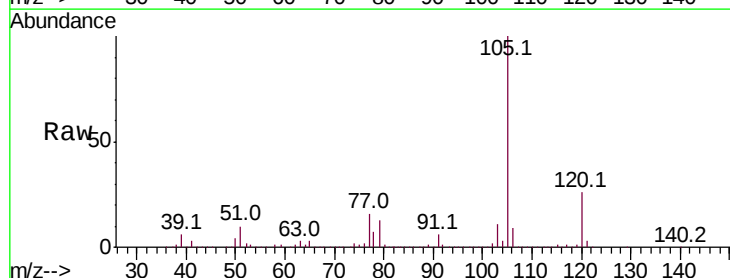
Acq: 18 Sep 2019 20:51

Tgt Ion:105 Resp: 1130791

Ion Ratio Lower Upper

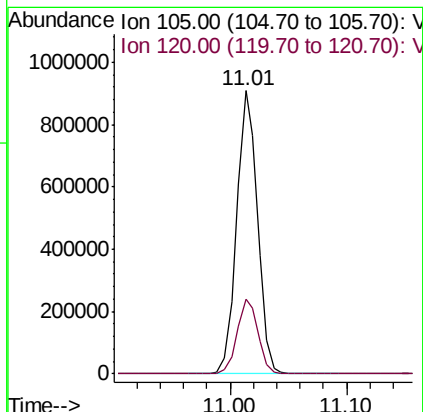
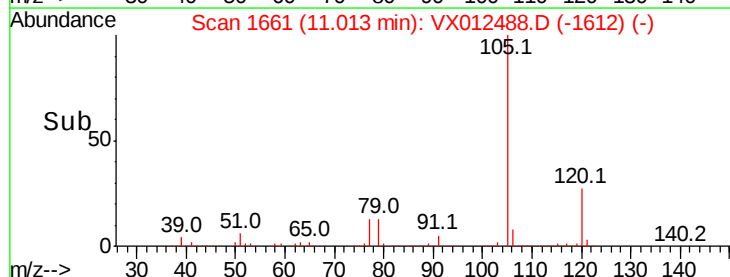
105 100

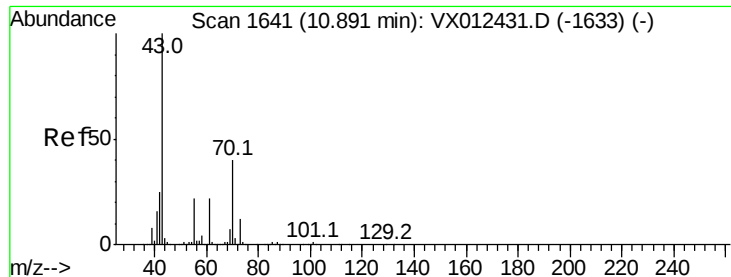
120 26.4 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.998 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 43 Resp: 236072

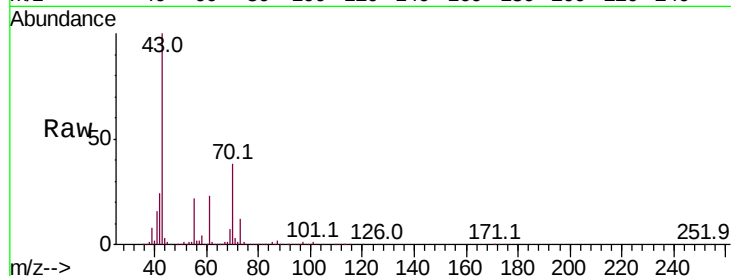
Ion Ratio Lower Upper

43 100

70 40.8 32.4 48.6

55 25.8 18.2 27.4

61 23.5 18.5 27.7

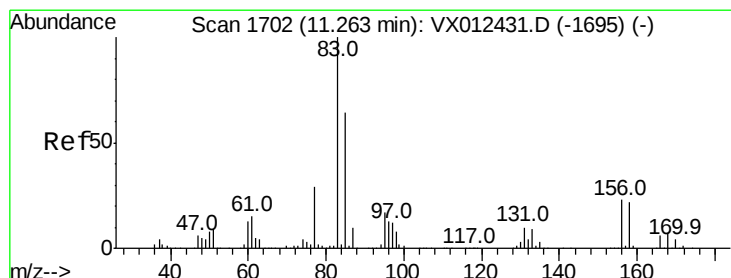
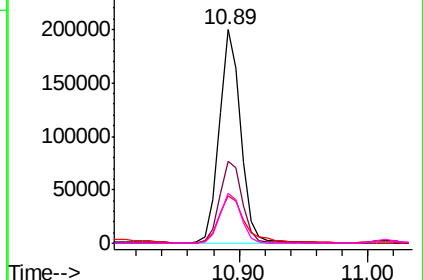
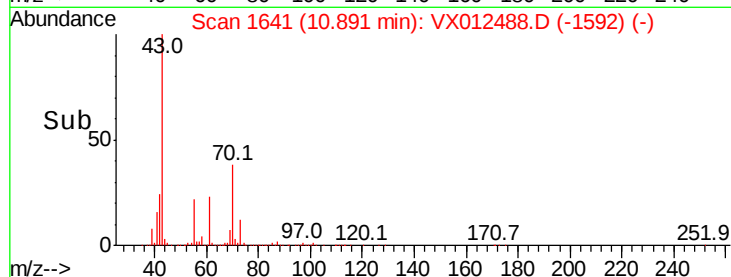


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 48.777 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

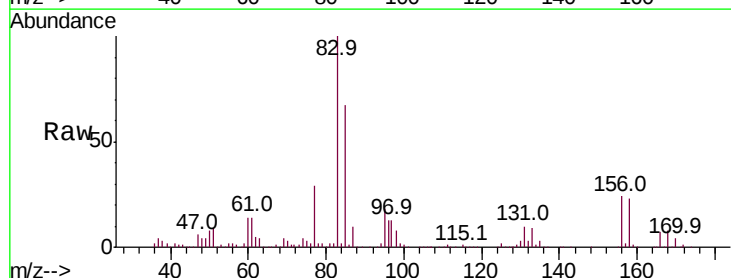
Tgt Ion: 83 Resp: 174801

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

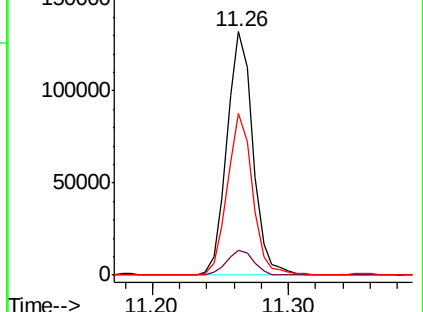
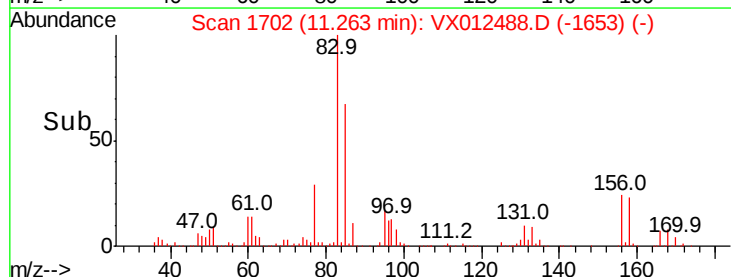
85 65.0 32.0 96.0

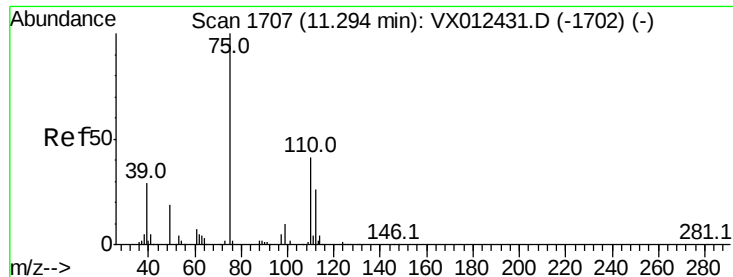


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

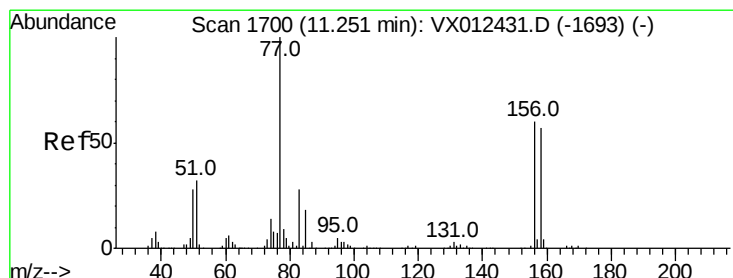
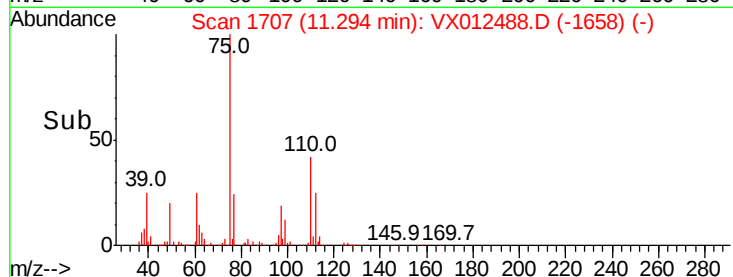
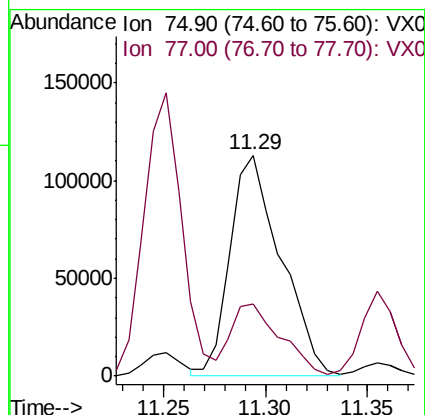
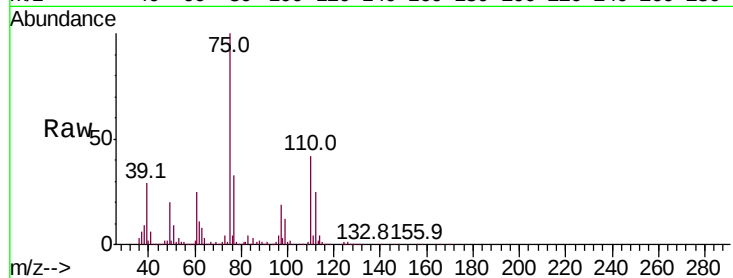




#76
 1,2,3-Trichloropropane
 Concen: 58.057 ug/l
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

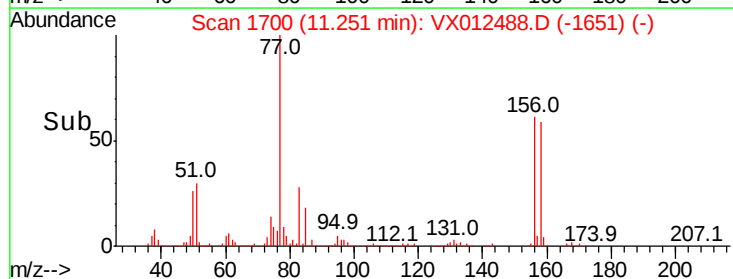
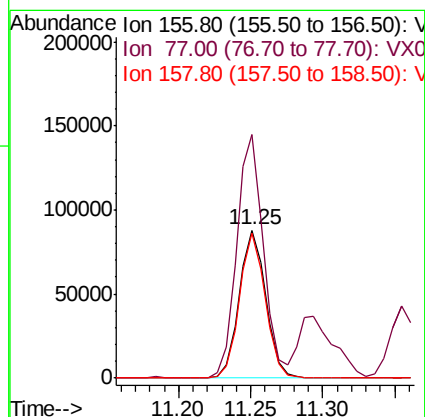
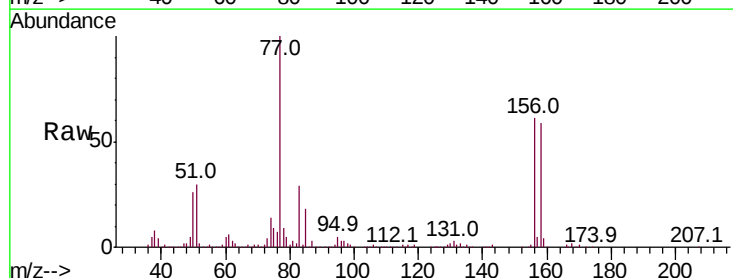
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

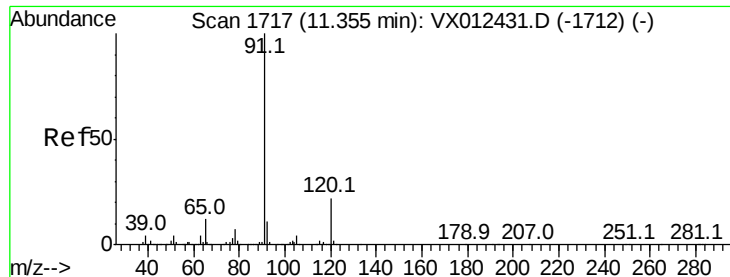
Tot Ion: 75 Resp: 194173
 Ion Ratio Lower Upper
 75 100
 77 32.0 19.7 59.0



#77
 Bromobenzene
 Concen: 50.499 ug/l
 RT: 11.25 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion: 156 Resp: 112511
 Ion Ratio Lower Upper
 156 100
 77 165.9 87.3 261.8
 158 95.1 48.5 145.6





#78

n-propylbenzene

Concen: 123.213 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

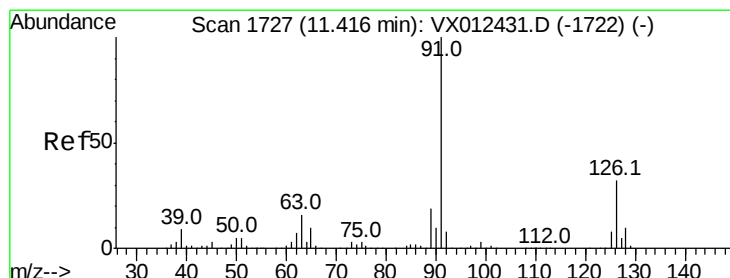
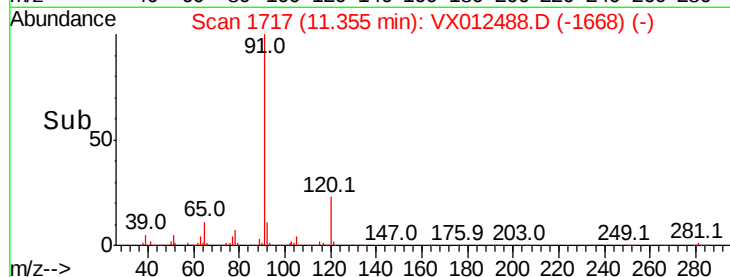
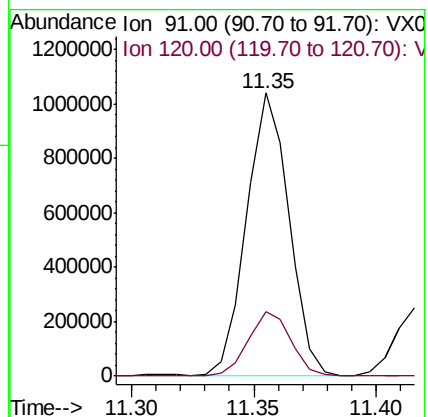
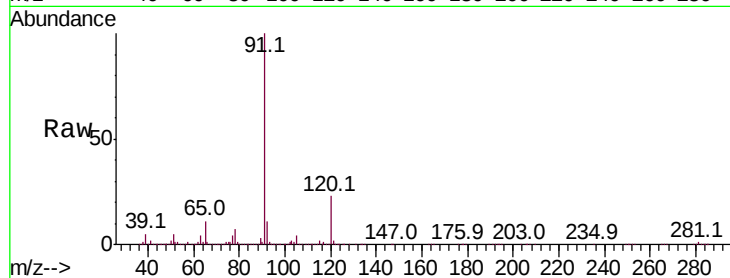
S13-0282MSD

Tot Ion: 91 Resp: 1254546

Ion Ratio Lower Upper

91 100

120 23.1 11.3 33.8



#79

2-Chlorotoluene

Concen: 48.605 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012488.D

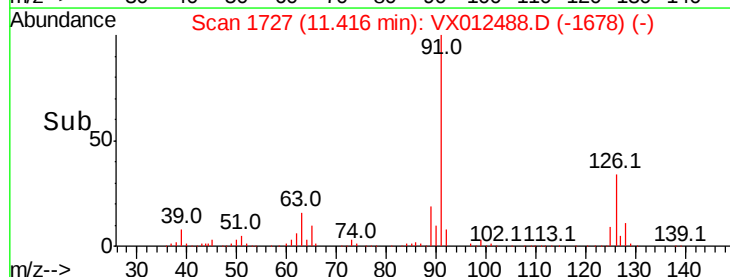
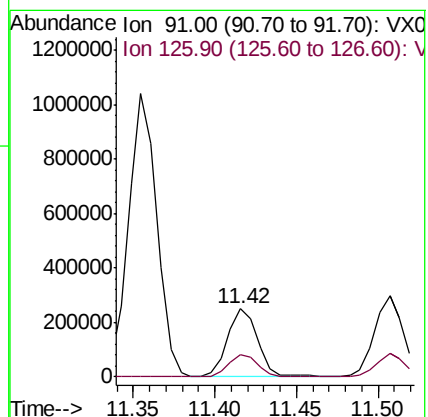
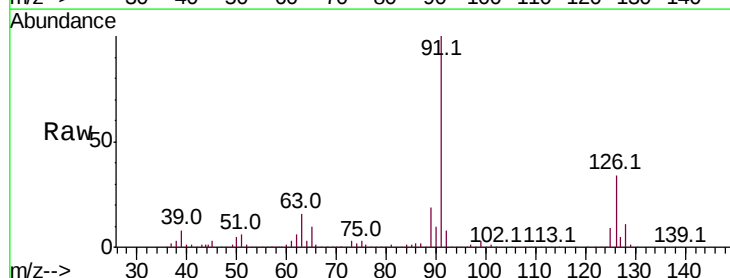
Acq: 18 Sep 2019 20:51

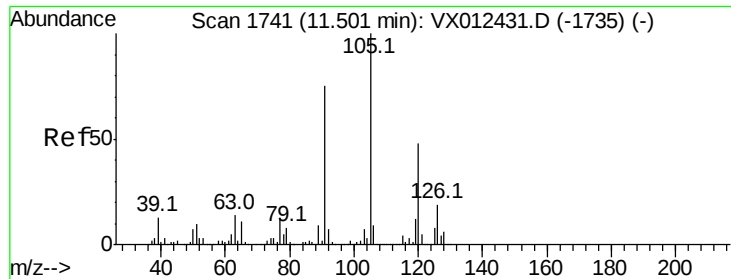
Tgt Ion: 91 Resp: 321955

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.4





#80

1,3,5-Trimethylbenzene

Concen: 49.467 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

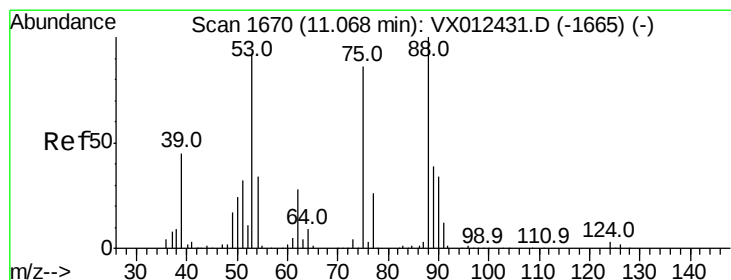
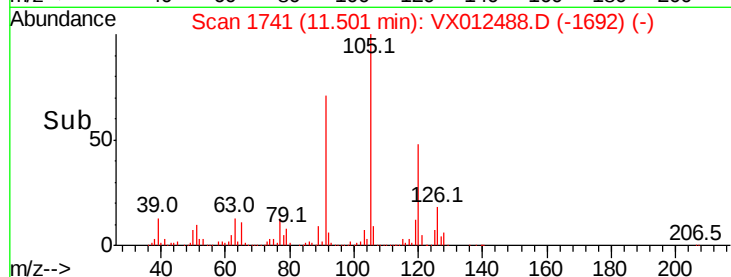
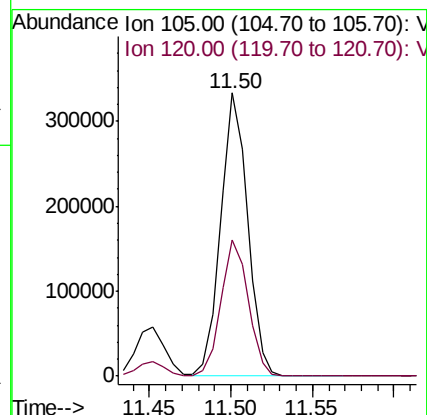
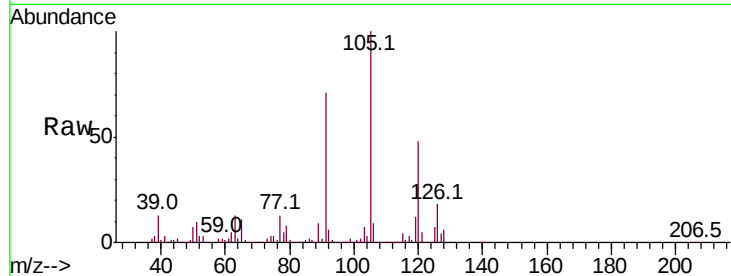
S13-0282MSD

Tot Ion:105 Resp: 385402

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 40.784 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

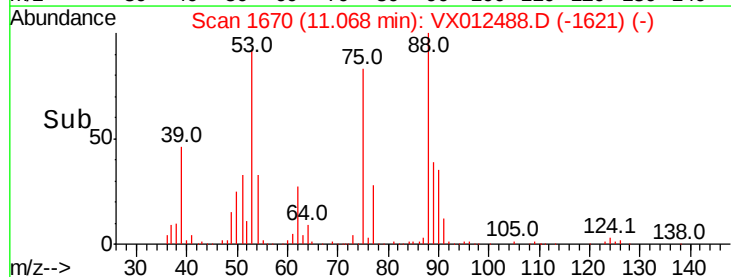
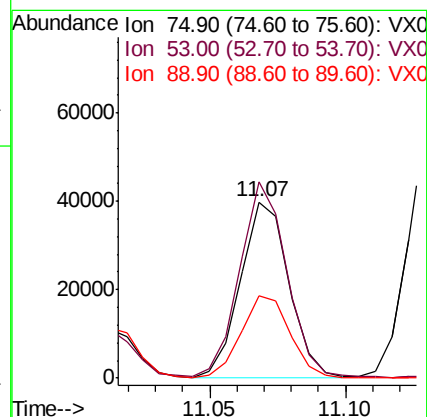
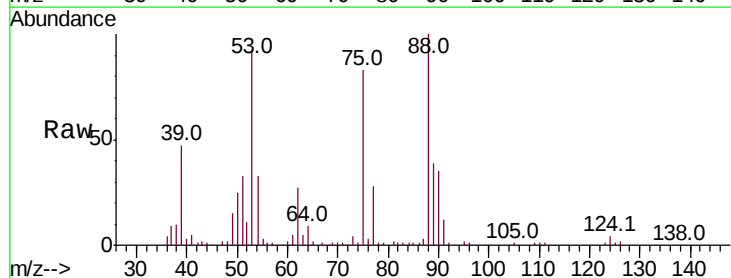
Tgt Ion: 75 Resp: 48944

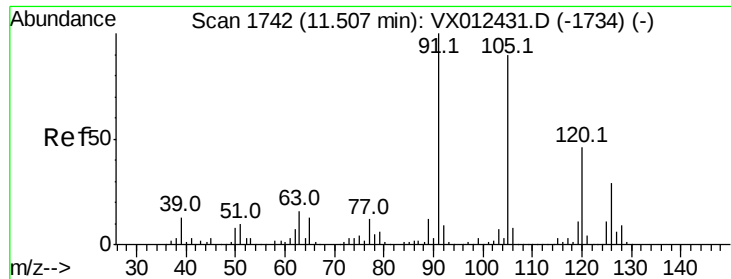
Ion Ratio Lower Upper

75 100

53 108.2 83.6 125.4

89 47.4 36.3 54.5





#82

4-Chlorotoluene

Concen: 48.317 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

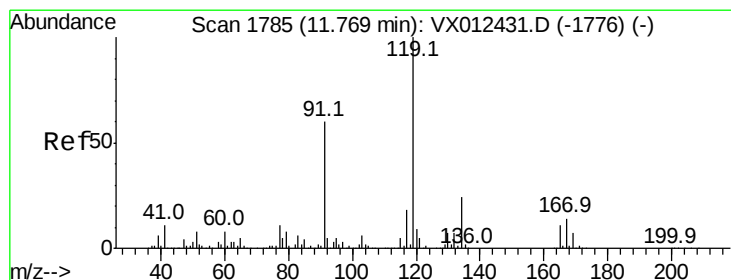
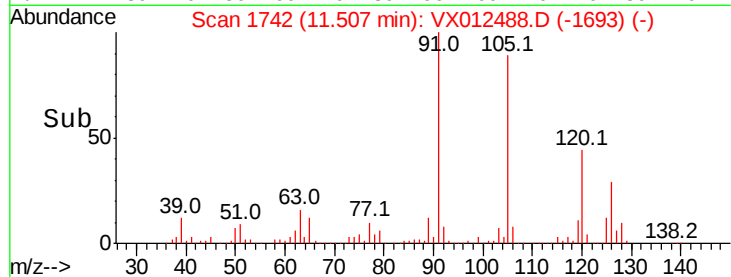
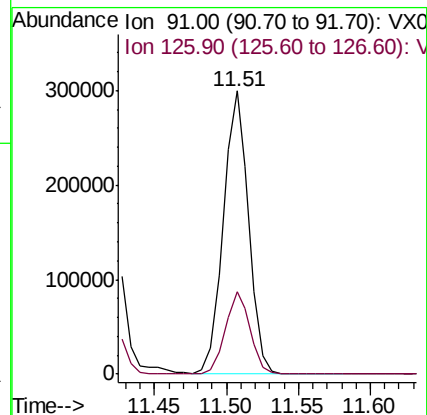
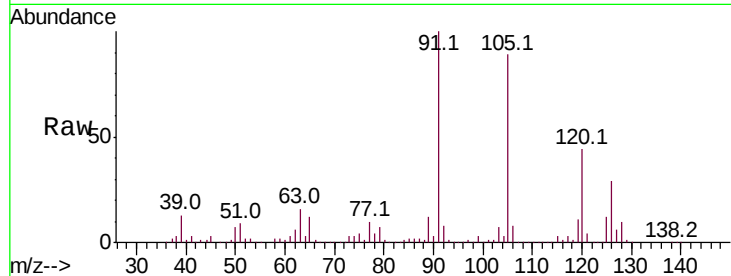
S13-0282MSD

Tot Ion: 91 Resp: 367322

Ion Ratio Lower Upper

91 100

126 28.4 14.4 43.0



#83

tert-Butylbenzene

Concen: 50.624 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

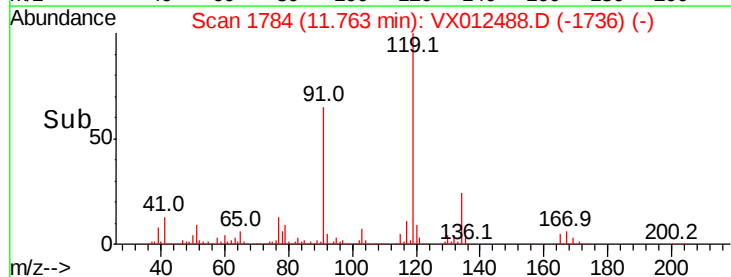
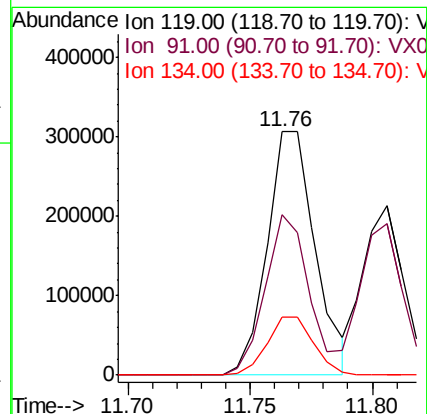
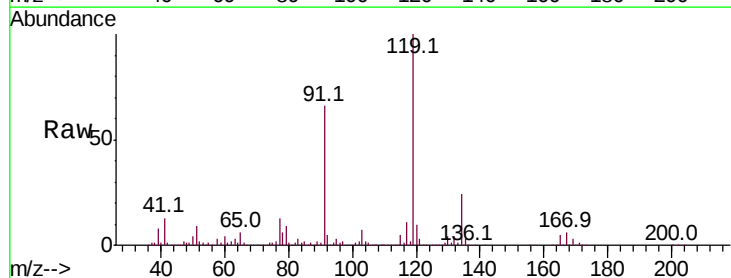
Tgt Ion: 119 Resp: 422635

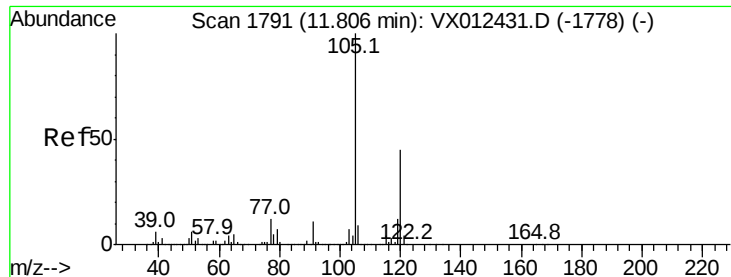
Ion Ratio Lower Upper

119 100

91 58.9 30.0 90.0

134 23.2 11.3 33.9





#84

1,2,4-Trimethylbenzene

Concen: 267.098 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

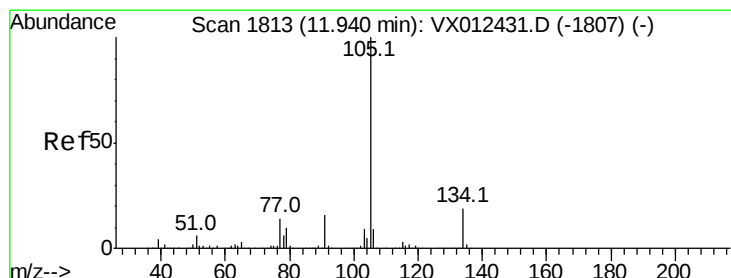
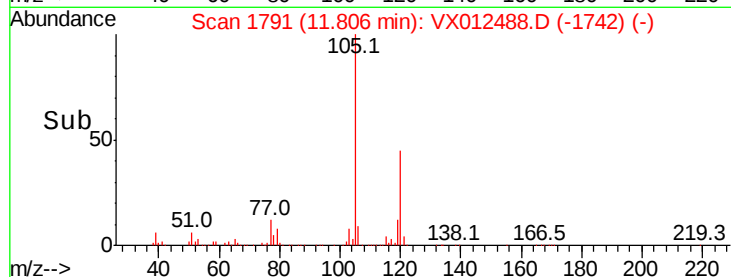
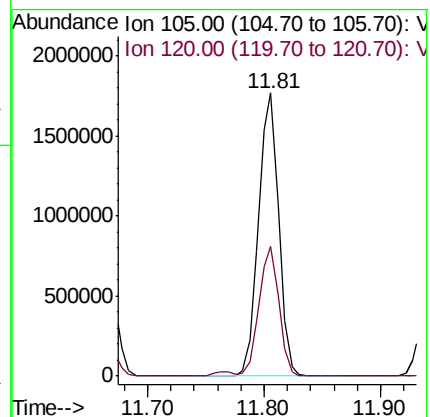
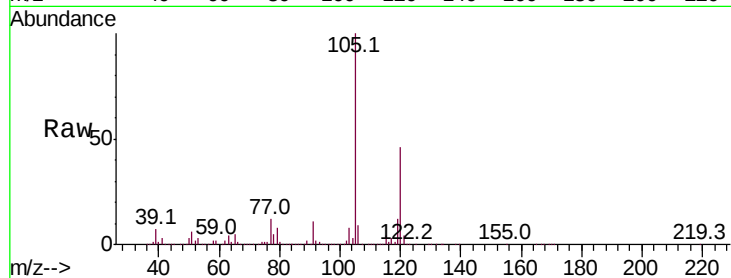
S13-0282MSD

Tot Ion:105 Resp: 2136710

Ion Ratio Lower Upper

105 100

120 45.5 22.2 66.6



#85

sec-Butylbenzene

Concen: 63.415 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012488.D

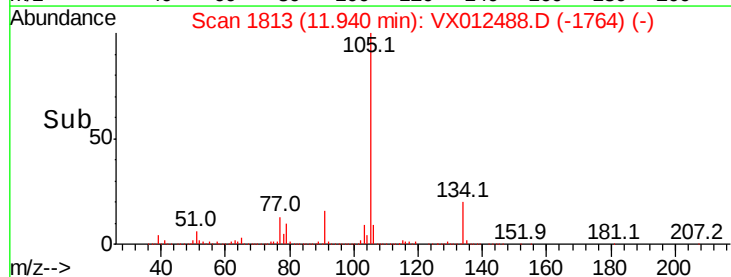
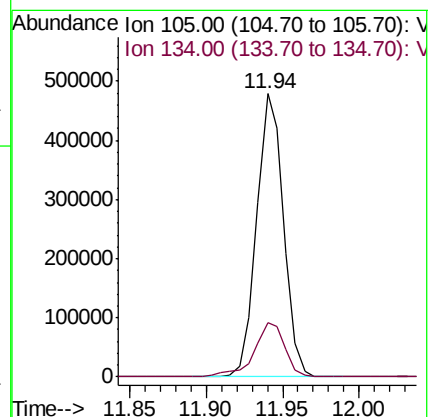
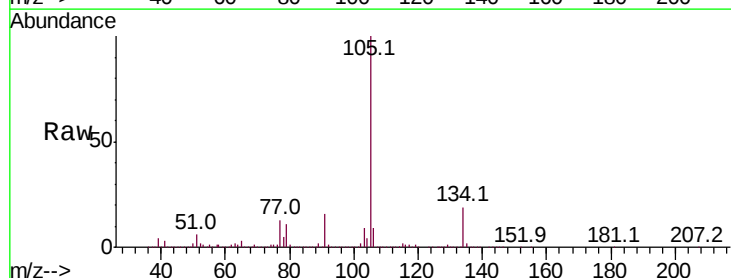
Acq: 18 Sep 2019 20:51

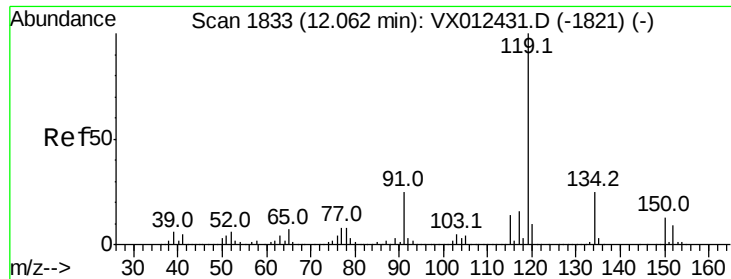
Tgt Ion:105 Resp: 583382

Ion Ratio Lower Upper

105 100

134 21.8 9.8 29.4

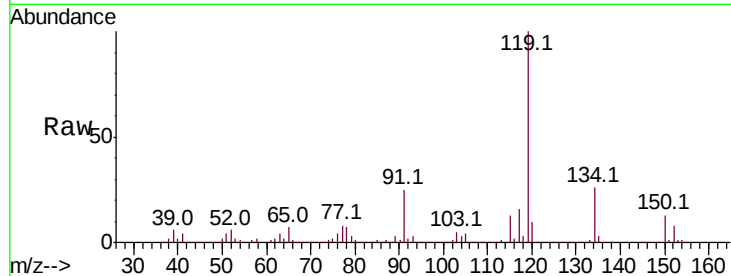




#86
p-Isopropyltoluene
Concen: 53.904 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Instrument :
MSVOA_X
ClientSampled :
S13-0282MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.7	38.1
91	25.3	12.8	38.4

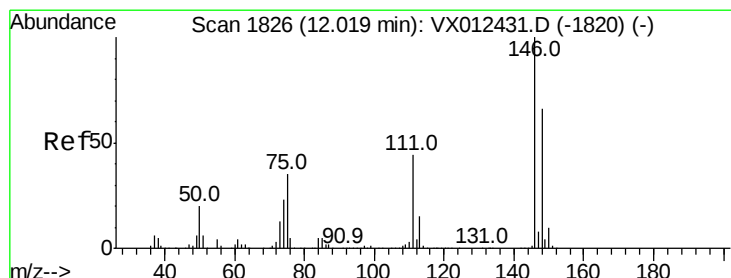
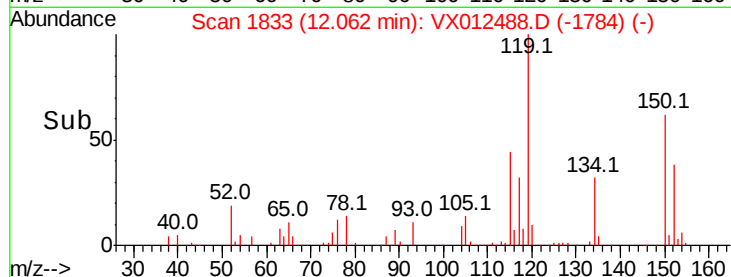
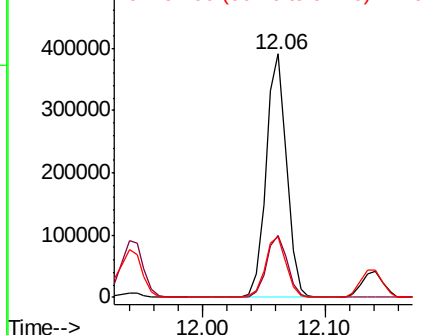


Abundance

Ion 119.00 (118.70 to 119.70): V

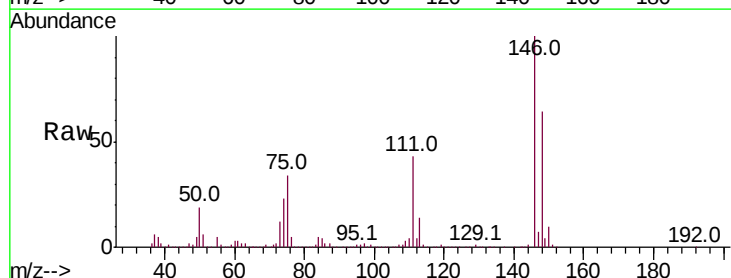
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87
1,3-Dichlorobenzene
Concen: 49.947 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	64.0
148	63.2	32.4	97.2

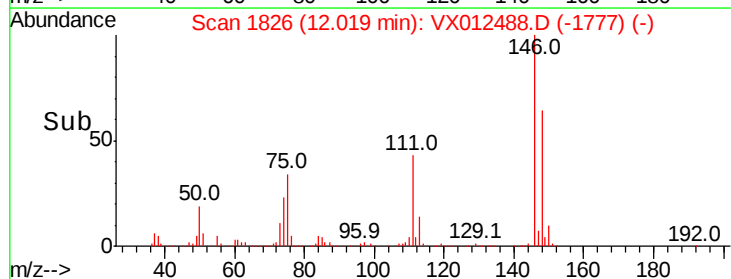
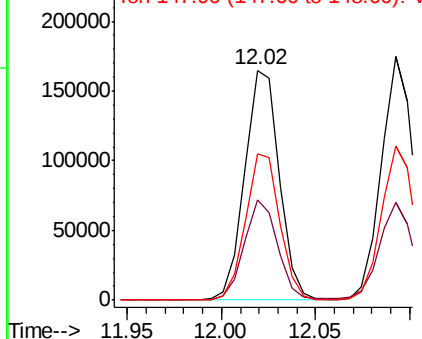


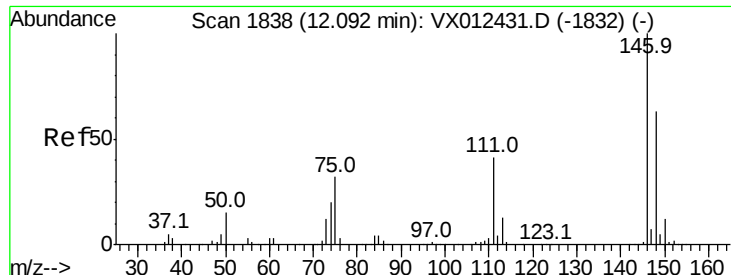
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

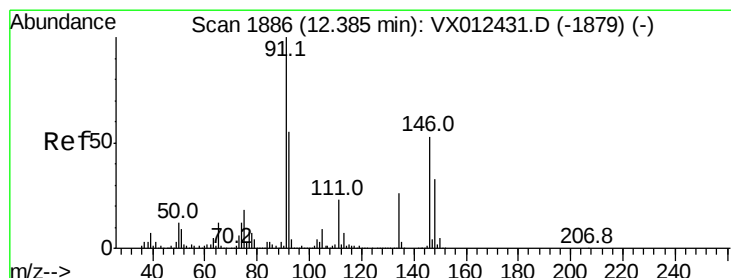
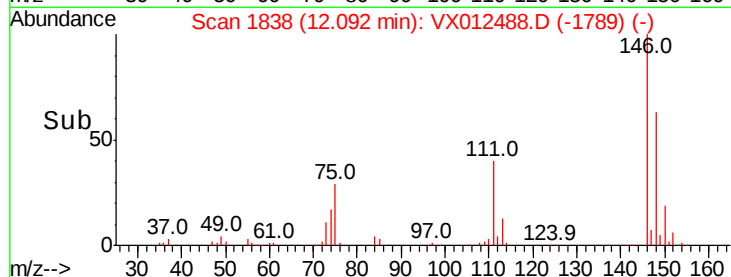
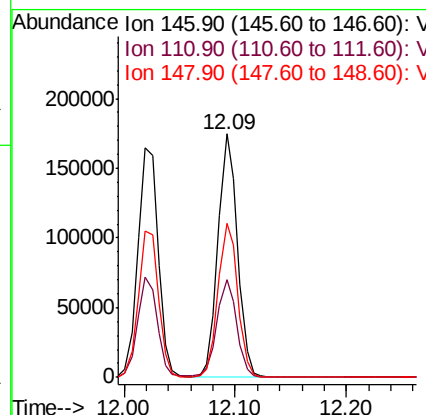
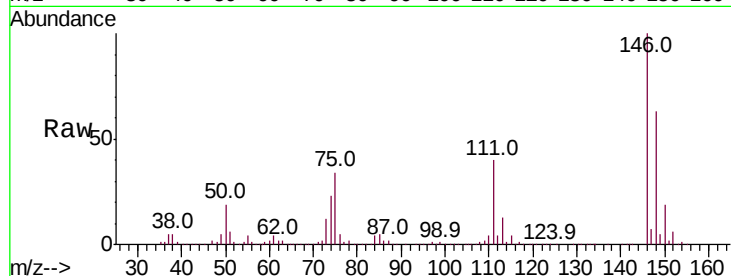




#88
 1,4-Dichlorobenzene
 Concen: 49.153 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

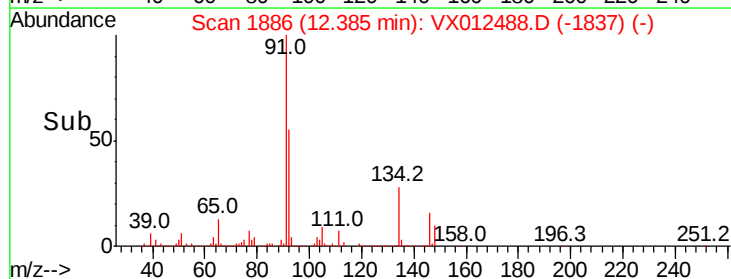
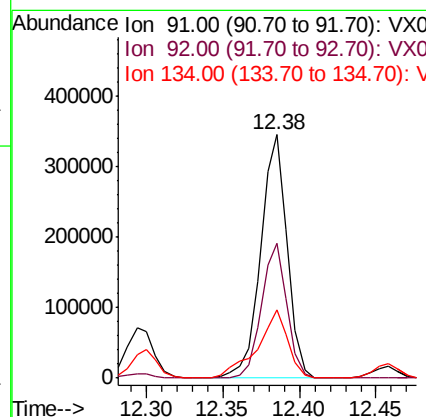
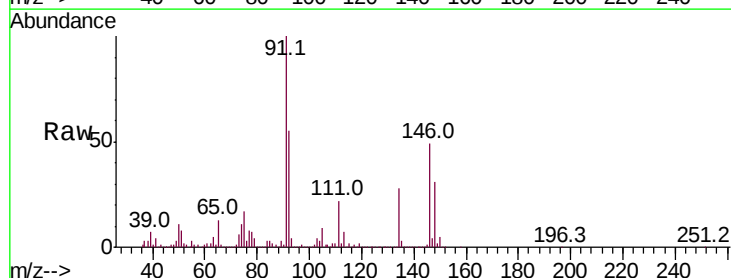
Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

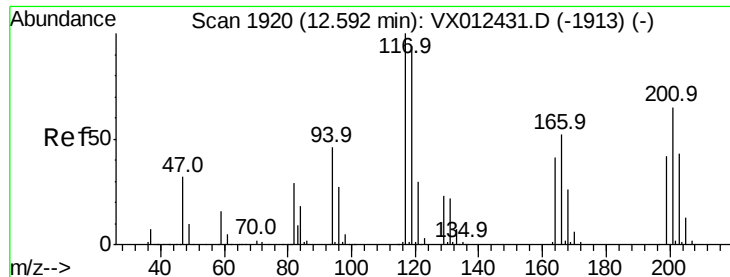
Tot Ion:146 Resp: 211608
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.1 63.3
 148 63.9 32.1 96.5



#89
 n-Butylbenzene
 Concen: 55.175 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Tgt Ion: 91 Resp: 415864
 Ion Ratio Lower Upper
 91 100
 92 53.2 27.7 83.0
 134 32.8 12.9 38.6





#90

Hexachloroethane

Concen: 62.187 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

MSVOA_X

ClientSampleId :

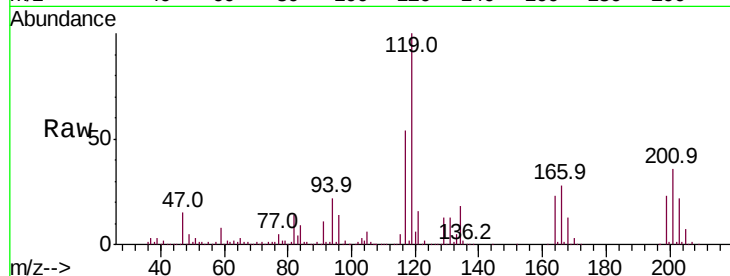
S13-0282MSD

Tot Ion:117 Resp: 96323

Ion Ratio Lower Upper

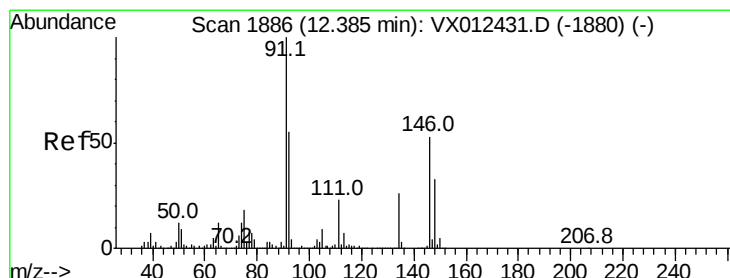
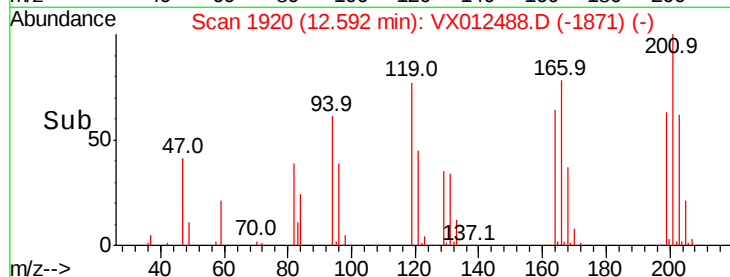
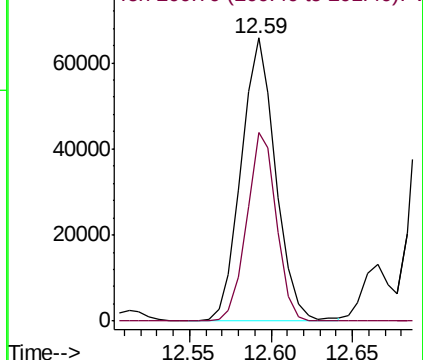
117 100

201 57.5 33.3 99.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 49.639 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

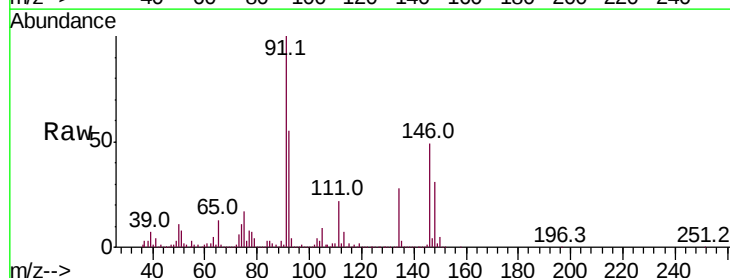
Tgt Ion:146 Resp: 217439

Ion Ratio Lower Upper

146 100

111 43.5 22.1 66.1

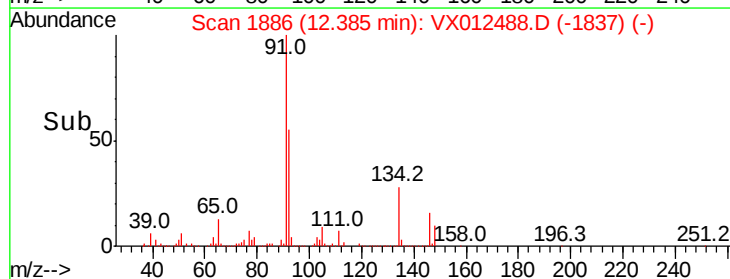
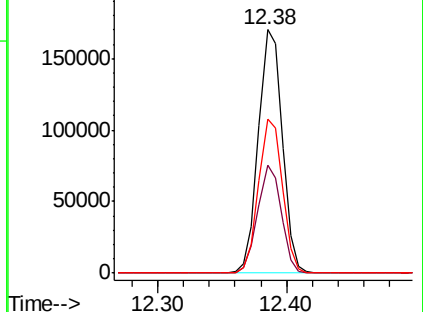
148 63.4 31.3 93.9

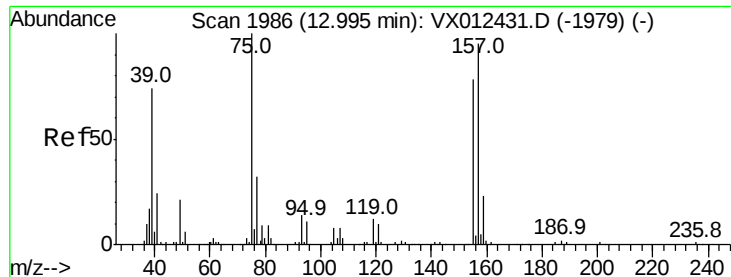


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.275 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Instrument :

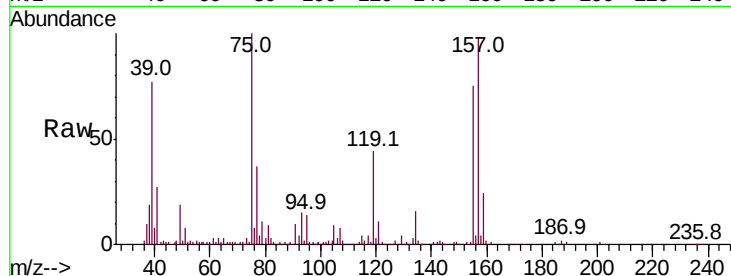
MSVOA_X

ClientSampleId :

S13-0282MSD

Tot Ion: 75 Resp: 49497

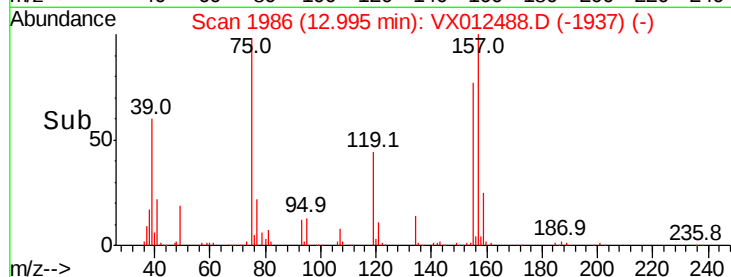
Ion	Ratio	Lower	Upper
75	100		
155	74.2	38.6	115.8
157	93.0	50.6	151.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

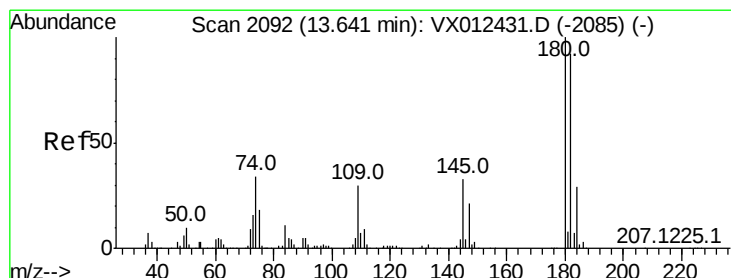
Ion 156.80 (156.50 to 157.50): V



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 51.493 ug/l

RT: 13.64 min Scan# 2092

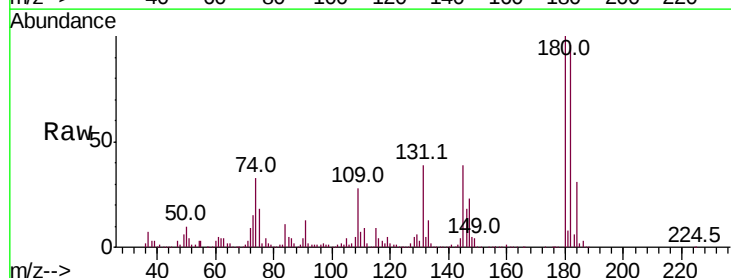
Delta R.T. 0.00 min

Lab File: VX012488.D

Acq: 18 Sep 2019 20:51

Tgt Ion:180 Resp: 145286

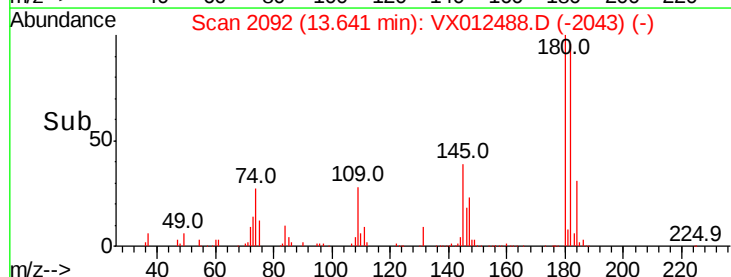
Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.0	141.0
145	42.6	16.8	50.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

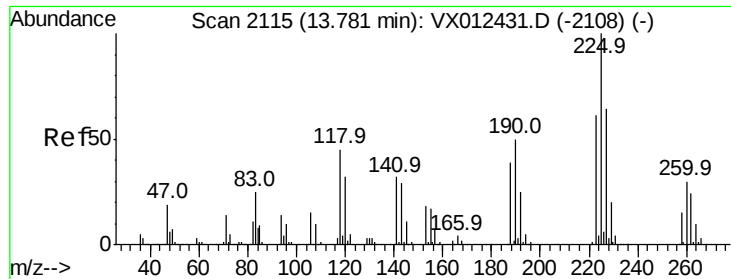
Ion 144.80 (144.50 to 145.50): V



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

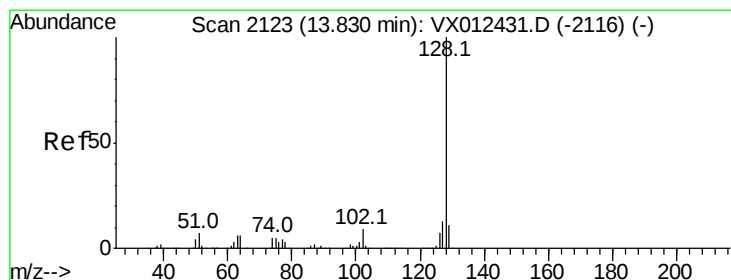
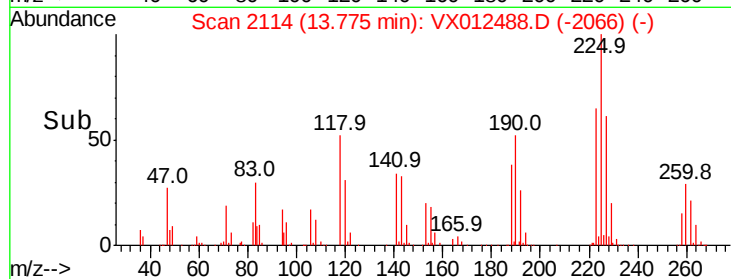
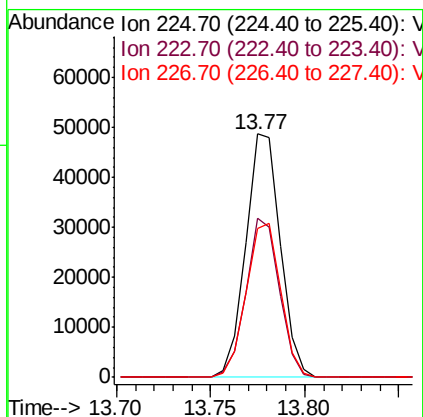
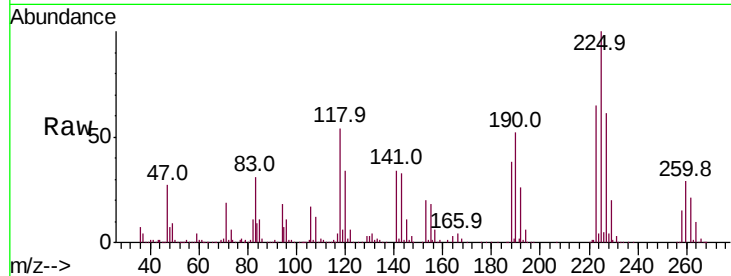
Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 46.558 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. -0.01 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

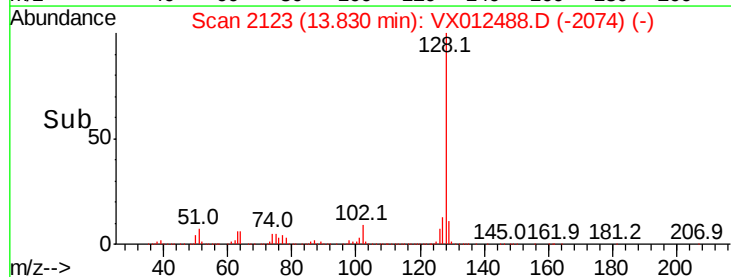
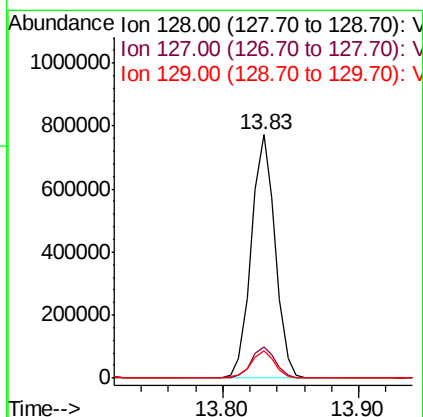
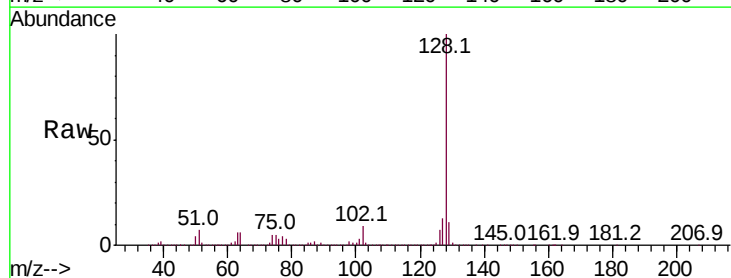
Instrument :
MSVOA_X
ClientSampleId :
S13-0282MSD

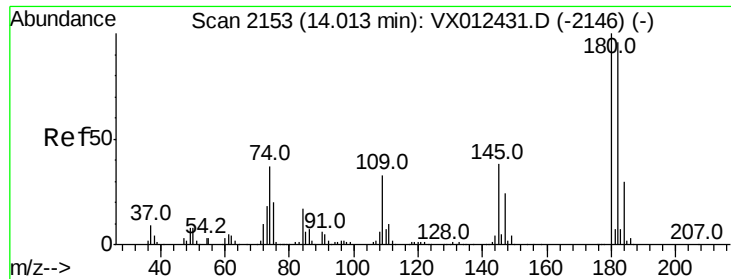
Tot Ion:225 Resp: 61913
Ion Ratio Lower Upper
225 100
223 63.3 32.0 96.2
227 63.2 31.9 95.5



#95
Naphthalene
Concen: 95.011 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012488.D
Acq: 18 Sep 2019 20:51

Tgt Ion:128 Resp: 953853
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.5 8.8 13.2

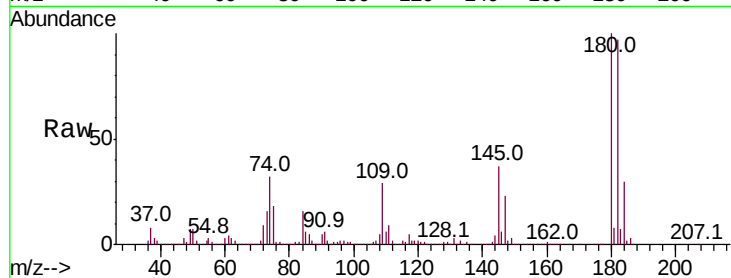




#96
 1,2,3-Trichlorobenzene
 Concen: 52.380 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012488.D
 Acq: 18 Sep 2019 20:51

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.1	141.3
145	41.3	18.0	54.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

