

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013638.D
 Acq On : 27 Nov 2019 07:22
 Operator : JC/SP
 Sample : K5968-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20191121MSD

Quant Time: Nov 27 07:55:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	652384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1012990	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	900733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	442407	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	356381	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
35) Dibromofluoromethane	5.49	113	301200	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	
50) Toluene-d8	8.71	98	1158224	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
62) 4-Bromofluorobenzene	11.14	95	410646	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	375104	51.657	ug/l	100
3) Chloromethane	1.32	50	410783	50.417	ug/l	99
4) Vinyl Chloride	1.40	62	478970	52.229	ug/l	99
5) Bromomethane	1.63	94	280455	45.538	ug/l	99
6) Chloroethane	1.71	64	257477	49.340	ug/l	99
7) Trichlorofluoromethane	1.92	101	500264	49.127	ug/l	98
8) Diethyl Ether	2.18	74	231412	50.231	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	301589	48.487	ug/l	99
10) Methyl Iodide	2.50	142	414075	55.034	ug/l	99
11) Tert butyl alcohol	3.03	59	451065	241.316	ug/l	99
12) 1,1-Dichloroethene	2.36	96	313702	50.528	ug/l	97
13) Acrolein	2.28	56	274325	220.183	ug/l	98
14) Allyl chloride	2.72	41	544088	48.291	ug/l	99
15) Acrylonitrile	3.13	53	972909	252.158	ug/l	99
16) Acetone	2.43	43	854538	228.563	ug/l	100
17) Carbon Disulfide	2.56	76	860285	48.607	ug/l	100
18) Methyl Acetate	2.76	43	497557	47.792	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1043135	50.718	ug/l	98
20) Methylene Chloride	2.84	84	349524	48.661	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	331846	49.064	ug/l	96
22) Diisopropyl ether	3.84	45	1108781	51.108	ug/l	99
23) Vinyl Acetate	3.80	43	4155080	230.225	ug/l	99
24) 1,1-Dichloroethane	3.69	63	602448	50.797	ug/l	99
25) 2-Butanone	4.65	43	1375614	247.569	ug/l	100
26) 2,2-Dichloropropane	4.58	77	332298	33.865	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	380955	49.046	ug/l	97
28) Bromochloromethane	5.00	49	239590	51.121	ug/l	100
29) Tetrahydrofuran	5.11	42	902518	263.479	ug/l	99
30) Chloroform	5.20	83	585295	48.662	ug/l	99
31) Cyclohexane	5.57	56	551846	49.333	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	502296	49.974	ug/l	99
36) 1,1-Dichloropropene	5.79	75	445043	48.398	ug/l	99
37) Ethyl Acetate	4.82	43	484953	47.011	ug/l	100
38) Carbon Tetrachloride	5.78	117	427130	50.375	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	539834	47.494	ug/l	98
40) Benzene	6.14	78	1375509	49.115	ug/l	100
41) Methacrylonitrile	5.03	41	289707	51.209	ug/l	99
42) 1,2-Dichloroethane	6.18	62	473148	49.538	ug/l	100
43) Isopropyl Acetate	6.43	43	806445	47.485	ug/l	100
44) Trichloroethene	7.21	130	365910	47.606	ug/l	96
45) 1,2-Dichloropropane	7.51	63	356491	50.876	ug/l	99
46) Dibromomethane	7.65	93	230671	48.470	ug/l	99
47) Bromodichloromethane	7.89	83	454180	50.483	ug/l	98
48) Methyl methacrylate	7.76	41	423679	51.344	ug/l	99
49) 1,4-Dioxane	7.73	88	191123	1034.748	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2713176	253.976	ug/l	100
52) Toluene	8.78	92	874303	50.252	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	489727	47.823	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	537693	48.060	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	350815	50.036	ug/l	98
56) Ethyl methacrylate	9.17	69	578901	51.356	ug/l	98
57) 1,3-Dichloropropane	9.37	76	589487	48.778	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.24	63	1567	0.355	ug/l	89
59) 2-Hexanone	9.49	43	2068484	248.264	ug/l	100
60) Dibromochloromethane	9.57	129	369307	50.755	ug/l	100
61) 1,2-Dibromoethane	9.67	107	371746	49.643	ug/l	99
64) Tetrachloroethene	9.33	164	323113	48.103	ug/l	97
65) Chlorobenzene	10.14	112	931487	49.809	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	345372	51.430	ug/l	100
67) Ethyl Benzene	10.25	91	1633765	50.840	ug/l	99
68) m/p-Xylenes	10.35	106	1257122	102.177	ug/l	99
69) o-Xylene	10.70	106	608862	50.741	ug/l	99
70) Styrene	10.71	104	1032979	51.176	ug/l	99
71) Bromoform	10.85	173	288424	51.908	ug/l #	99
73) Isopropylbenzene	11.01	105	1580835	50.940	ug/l	100
74) N-amyl acetate	10.89	43	686515	48.292	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	557560	51.808	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	612149	61.519	ug/l	88
77) Bromobenzene	11.25	156	418440	49.911	ug/l	99
78) n-propylbenzene	11.35	91	1762131	50.866	ug/l	99
79) 2-Chlorotoluene	11.42	91	1047987	50.430	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1314216	51.671	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	164718	45.288	ug/l	99
82) 4-Chlorotoluene	11.51	91	1211239	50.324	ug/l	99
83) tert-Butylbenzene	11.77	119	1349054	52.190	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1330474	51.542	ug/l	100
85) sec-Butylbenzene	11.94	105	1494194	50.608	ug/l	100
86) p-Isopropyltoluene	12.06	119	1377847	50.164	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	731448	50.051	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	716595	48.140	ug/l	99
89) n-Butylbenzene	12.39	91	1156335	49.360	ug/l	99
90) Hexachloroethane	12.59	117	251602	50.678	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	728344	50.442	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	123447	52.674	ug/l	99

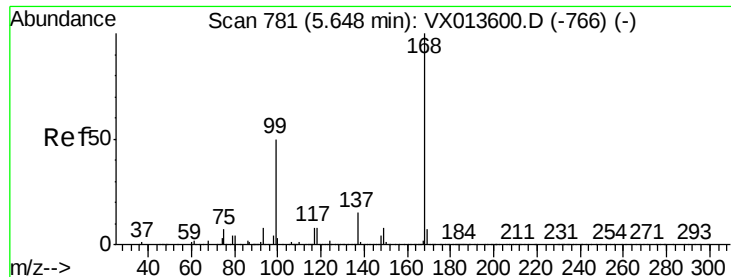
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	485337	48.229	ug/l	100
94) Hexachlorobutadiene	13.78	225	211382	43.727	ug/l	98
95) Naphthalene	13.83	128	1549345	51.699	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	485076	48.684	ug/l	99

(#) = 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: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

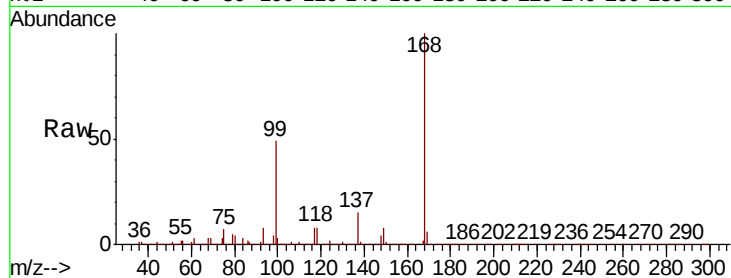
GR-OF-20191121MSD

Tot Ion:168 Resp: 652384

Ion Ratio Lower Upper

168 100

99 48.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

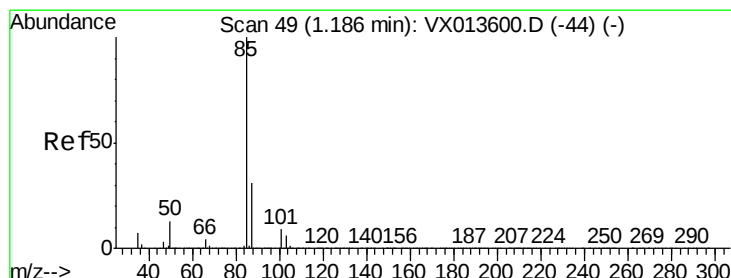
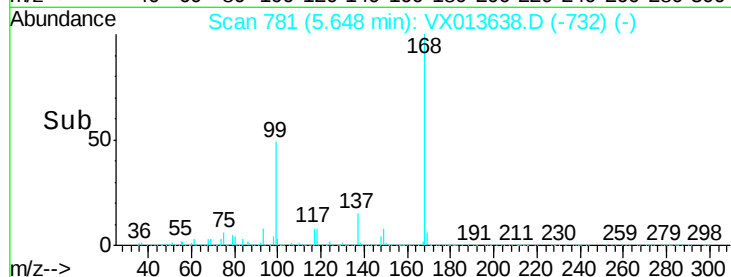
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.657 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013638.D

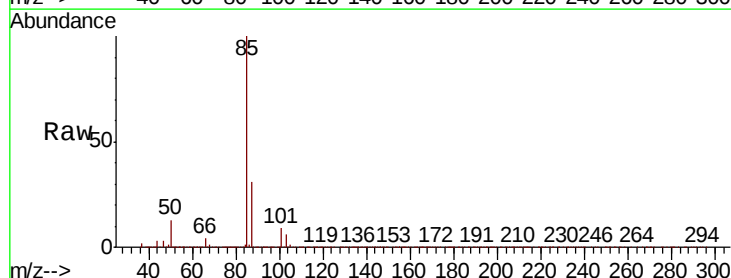
Acq: 27 Nov 2019 07:22

Tgt Ion: 85 Resp: 375104

Ion Ratio Lower Upper

85 100

87 31.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

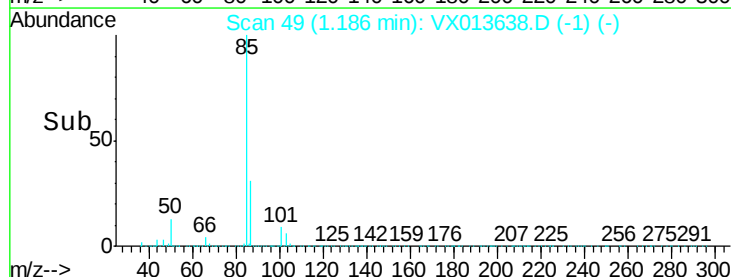
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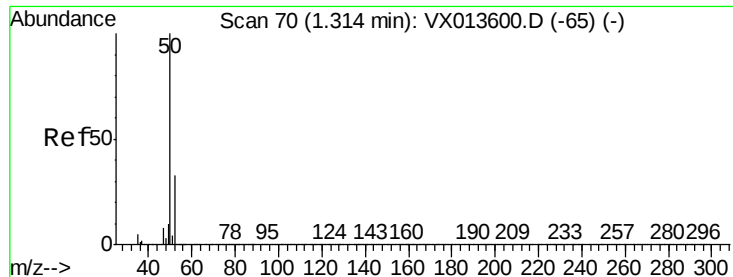
200000

100000

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Time-->





#3

Chloromethane

Concen: 50.417 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

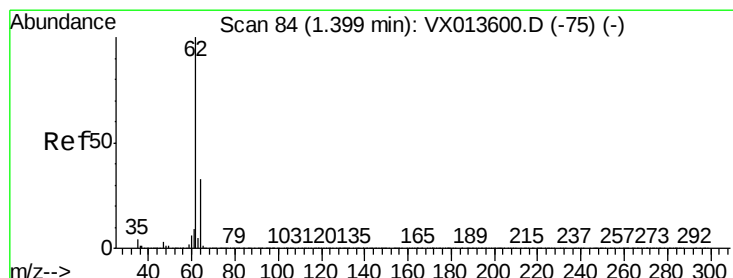
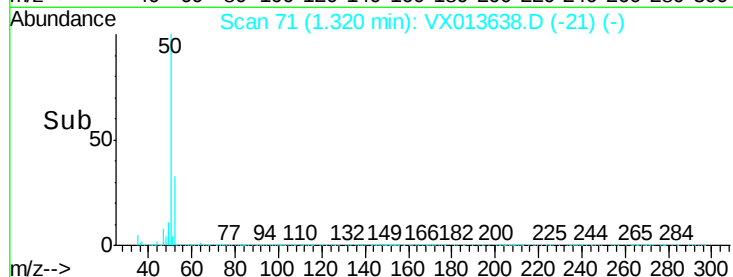
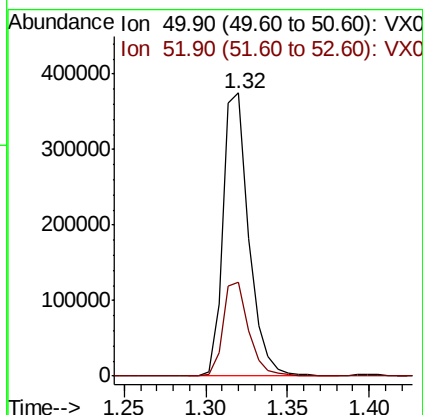
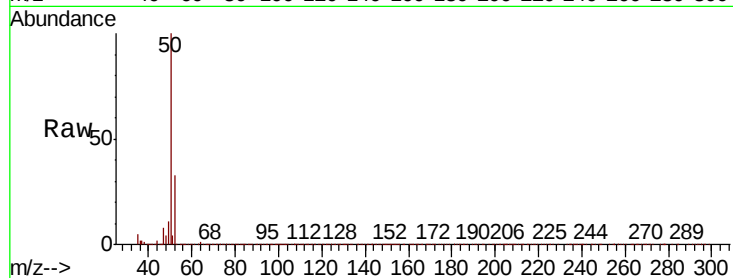
GR-OF-20191121MSD

Tot Ion: 50 Resp: 410783

Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0



#4

Vinyl Chloride

Concen: 52.229 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013638.D

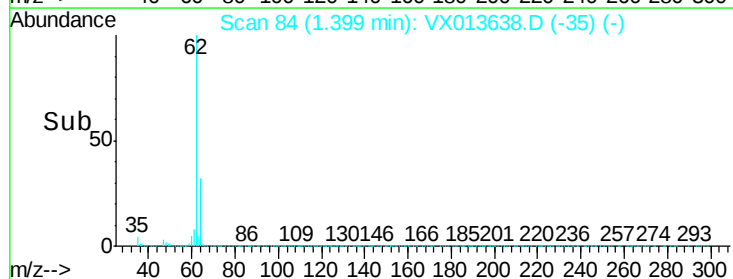
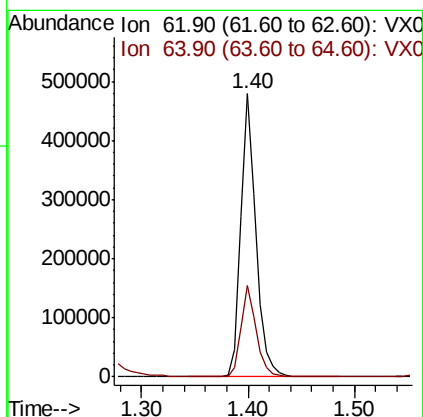
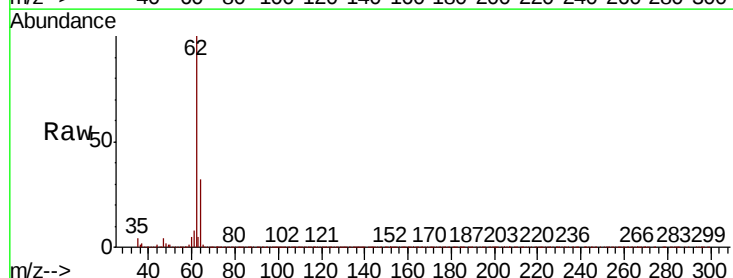
Acq: 27 Nov 2019 07:22

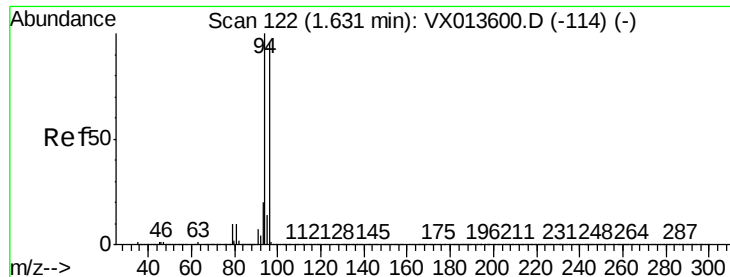
Tgt Ion: 62 Resp: 478970

Ion Ratio Lower Upper

62 100

64 32.0 26.0 39.0





#5

Bromomethane

Concen: 45.538 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

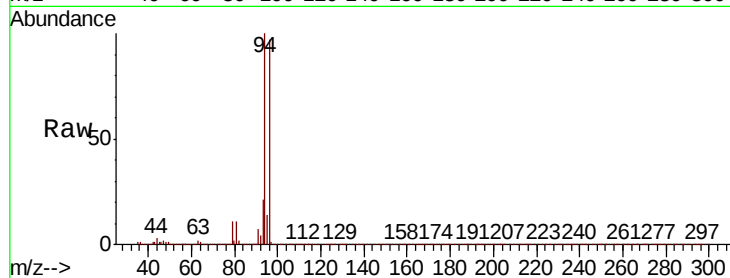
GR-OF-20191121MSD

Tot Ion: 94 Resp: 280455

Ion Ratio Lower Upper

94 100

96 96.8 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

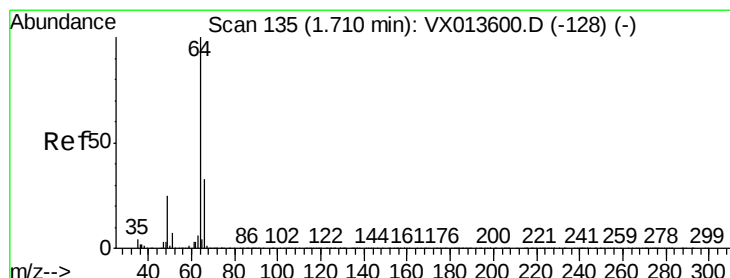
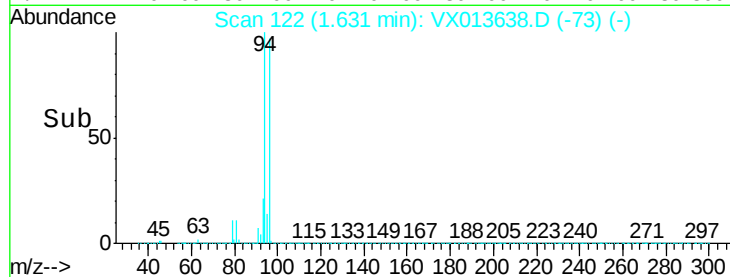
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 49.340 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013638.D

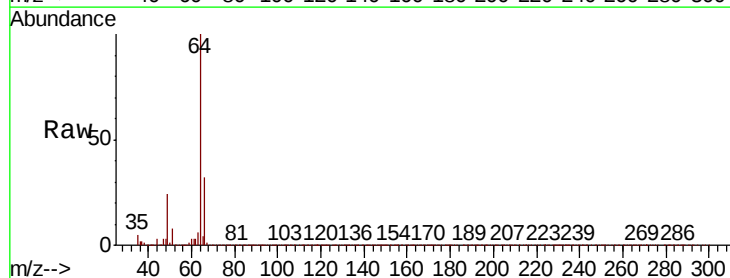
Acq: 27 Nov 2019 07:22

Tgt Ion: 64 Resp: 257477

Ion Ratio Lower Upper

64 100

66 32.6 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

200000

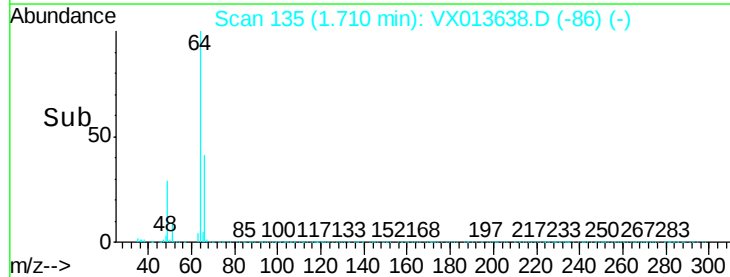
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Time-->



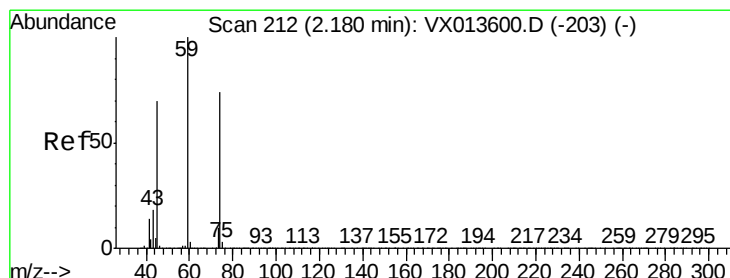
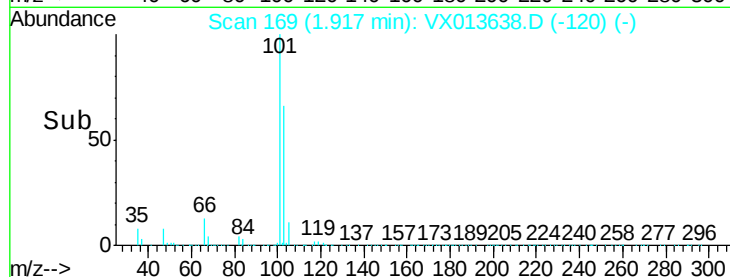
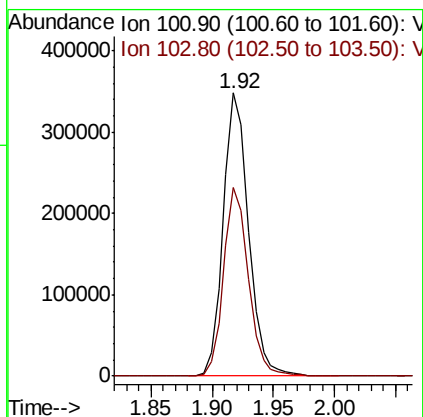
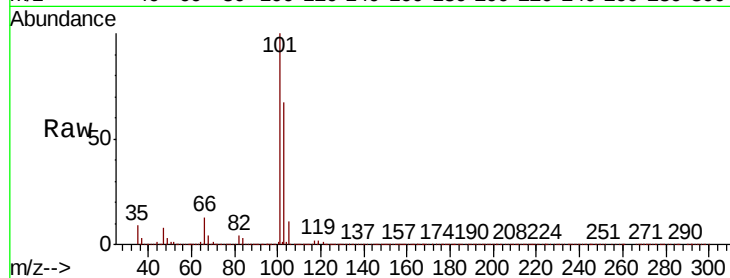


#7

Trichlorofluoromethane
Concen: 49.127 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
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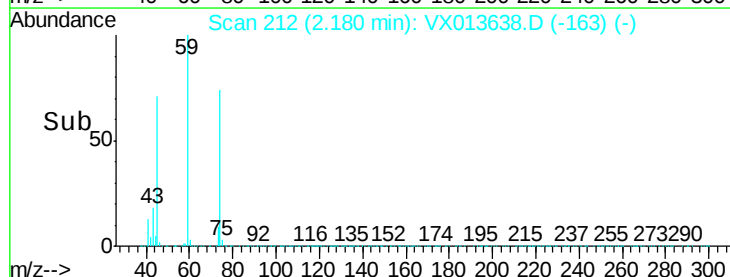
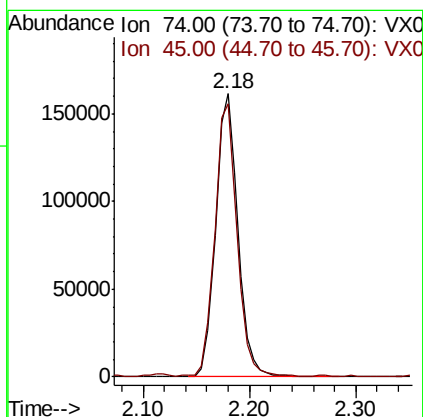
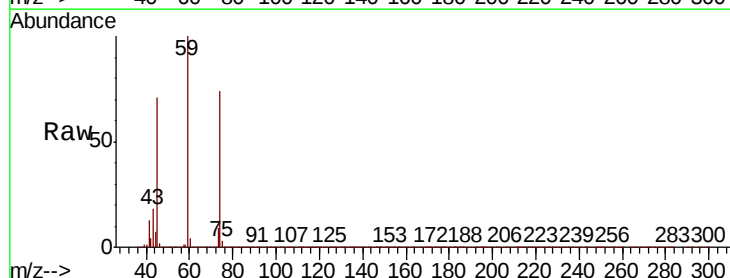
Tot Ion:101 Resp: 500264
Ion Ratio Lower Upper
101 100
103 66.5 51.8 77.6

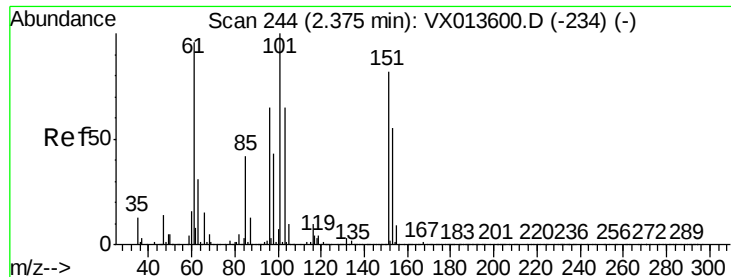


#8

Diethyl Ether
Concen: 50.231 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion: 74 Resp: 231412
Ion Ratio Lower Upper
74 100
45 96.1 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.487 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20191121MSD

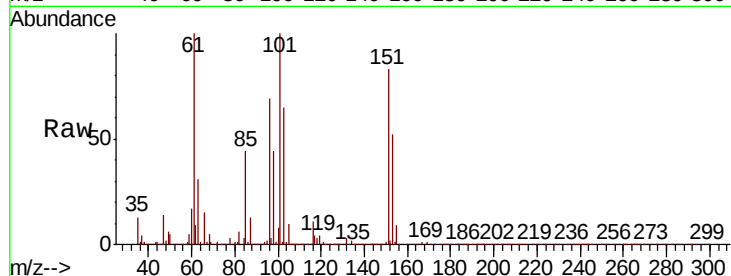
Tot Ion:101 Resp: 301589

Ion Ratio Lower Upper

101 100

85 42.6 33.9 50.9

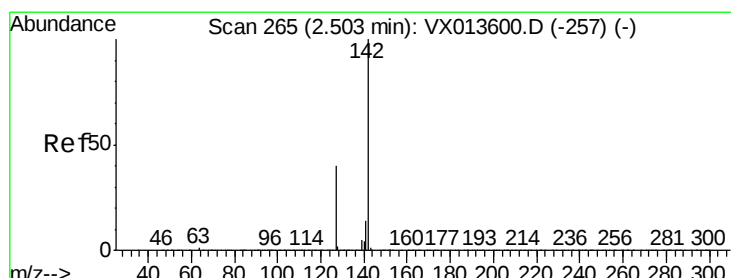
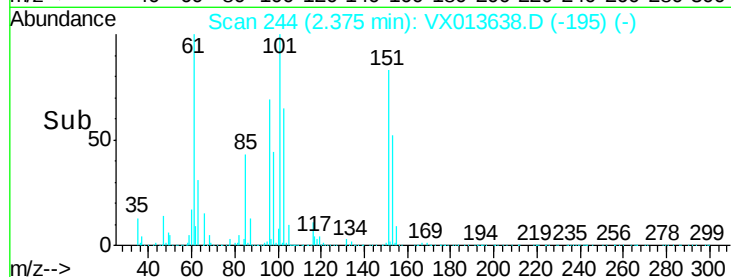
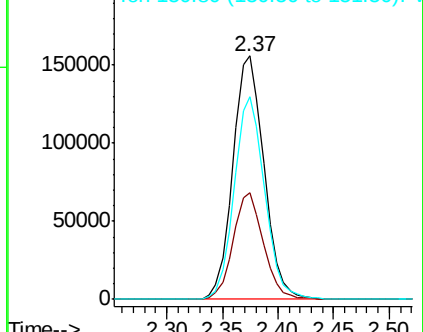
151 81.9 64.2 96.2



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: 55.034 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

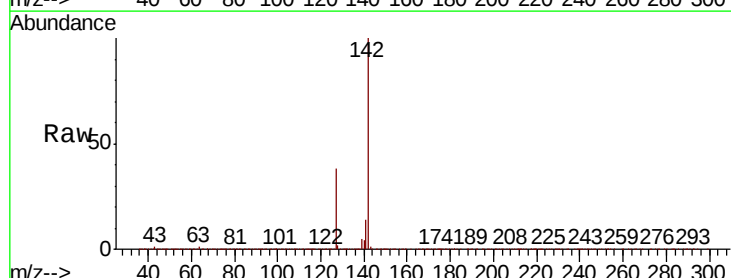
Tgt Ion:142 Resp: 414075

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.4

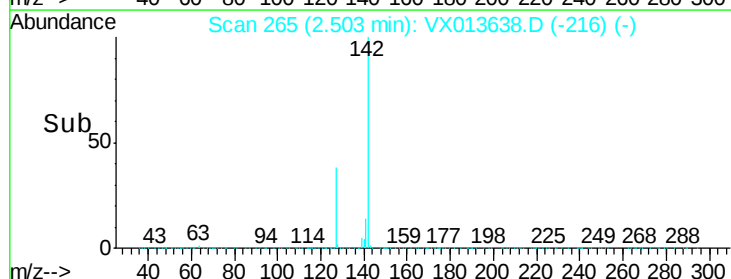
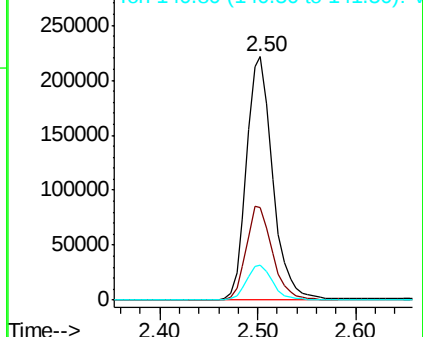
141 14.2 11.6 17.4



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



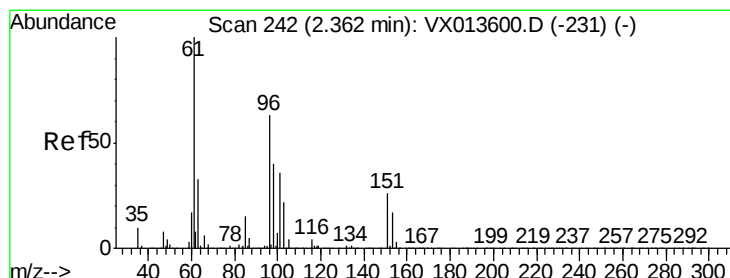
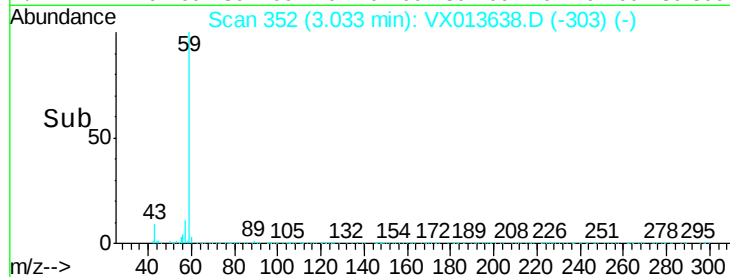
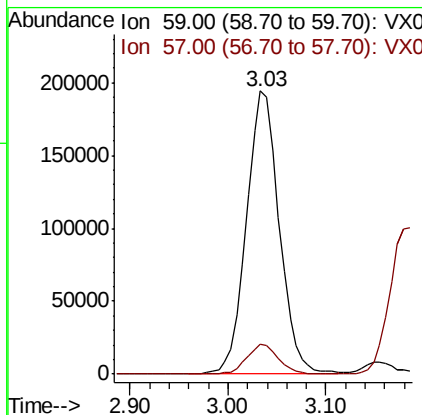
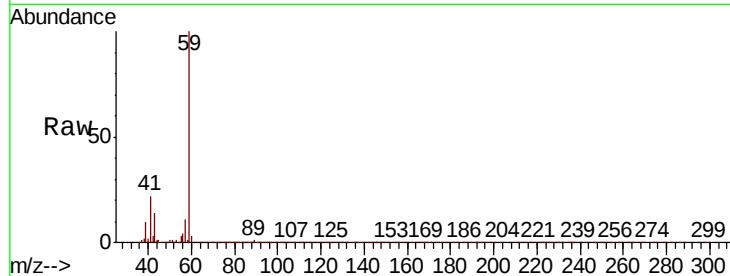


#11

Tert butyl alcohol
Concen: 241.316 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

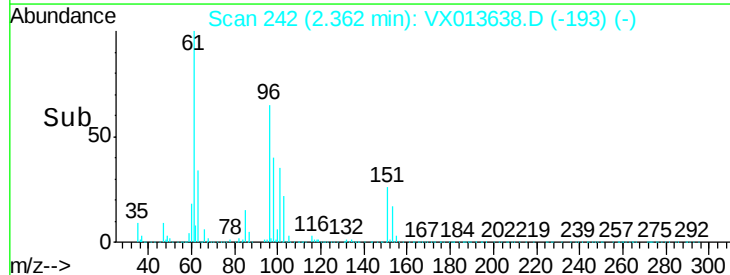
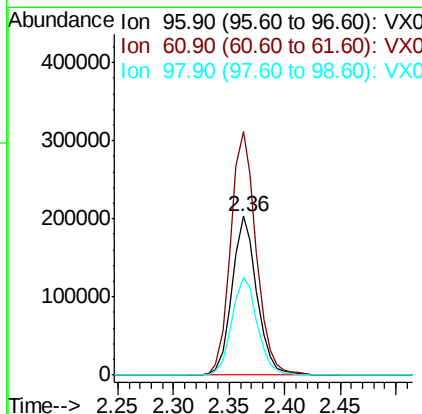
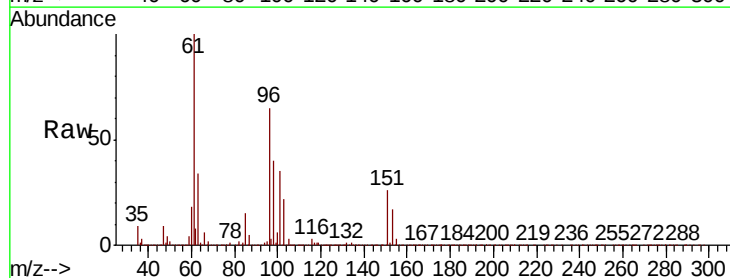
Tot Ion: 59 Resp: 451065
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.6

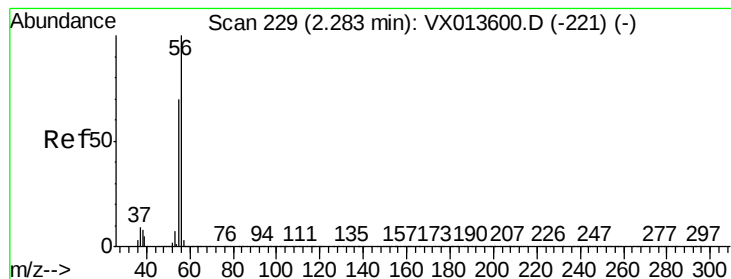


#12

1,1-Dichloroethene
Concen: 50.528 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion: 96 Resp: 313702
Ion Ratio Lower Upper
96 100
61 152.9 126.6 190.0
98 61.8 50.6 76.0





#13

Acrolein

Concen: 220.183 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

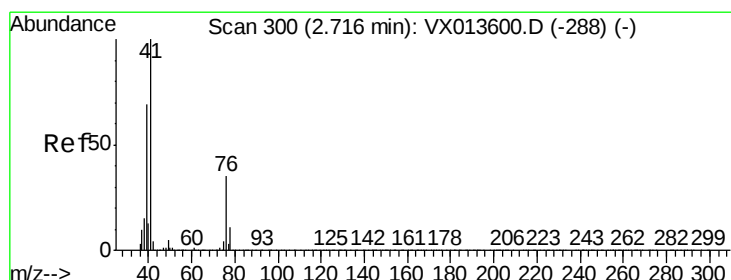
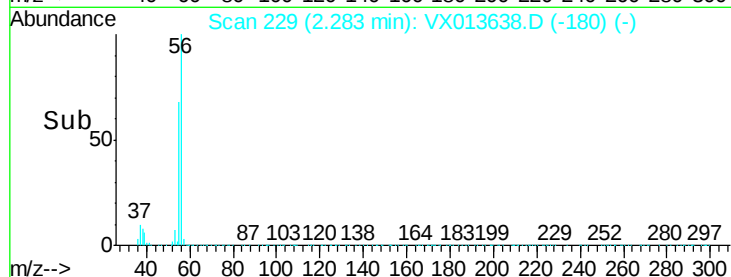
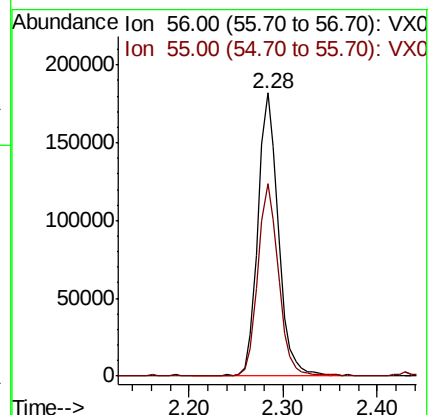
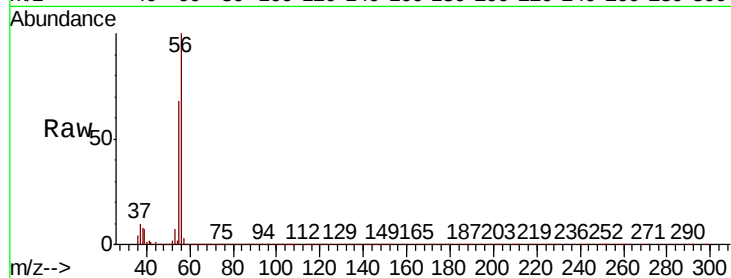
GR-OF-20191121MSD

Tot Ion: 56 Resp: 274325

Ion Ratio Lower Upper

56 100

55 68.5 56.2 84.4



#14

Allyl chloride

Concen: 48.291 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

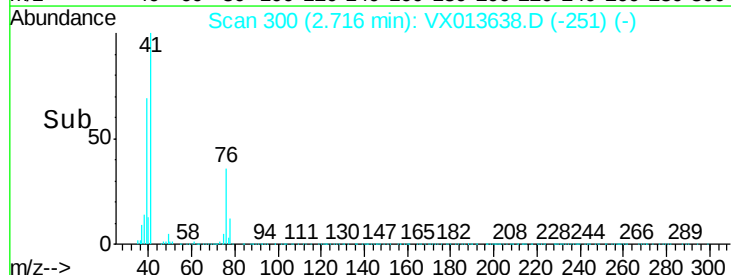
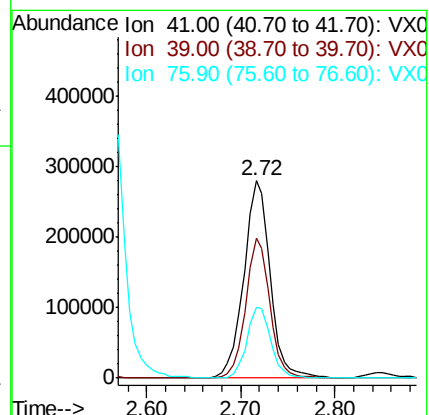
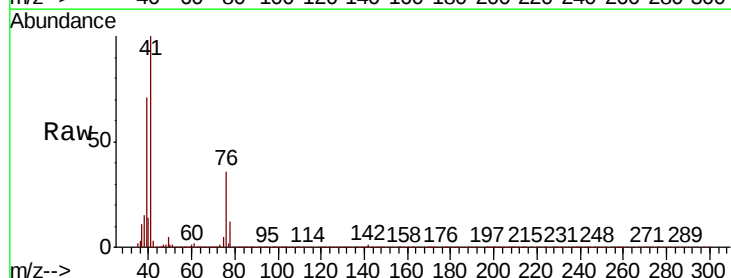
Tgt Ion: 41 Resp: 544088

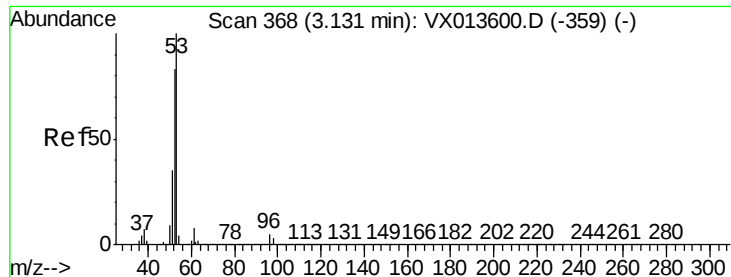
Ion Ratio Lower Upper

41 100

39 65.6 51.7 77.5

76 32.4 25.9 38.9





#15

Acrylonitrile

Concen: 252.158 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

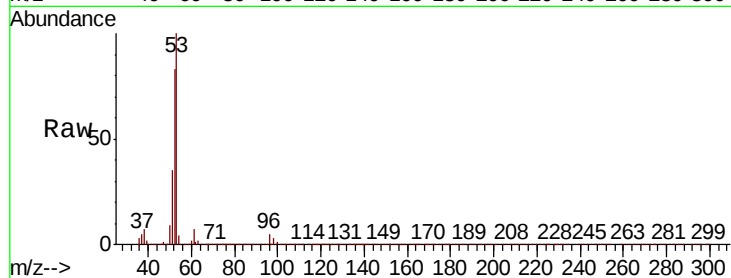
MSVOA_X

ClientSampleId :

GR-OF-20191121MSD

Tot Ion: 53 Resp: 972909

Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.2
51	35.9	29.0	43.6

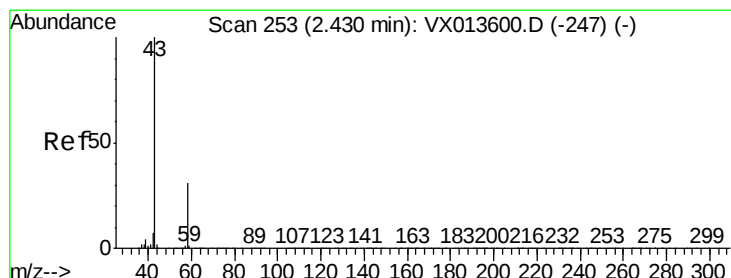
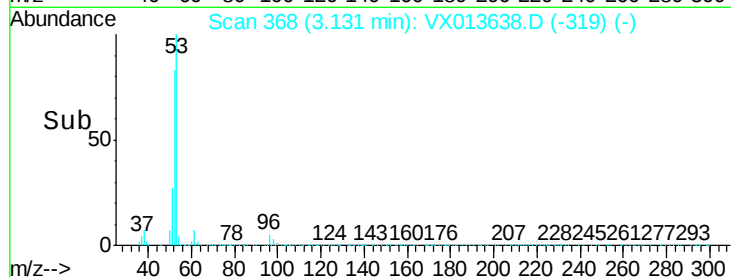
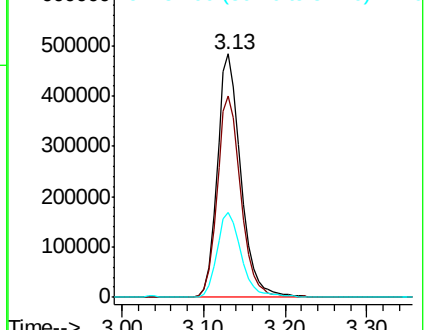


Abundance

Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 228.563 ug/l

RT: 2.43 min Scan# 253

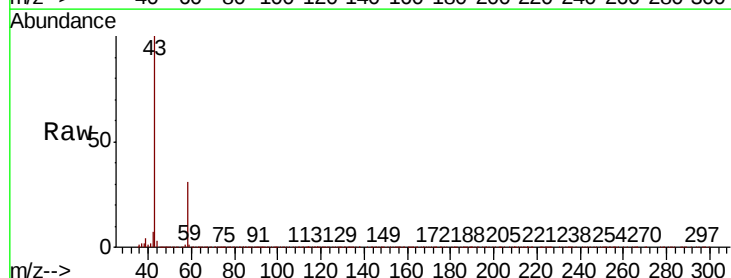
Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Tgt Ion: 43 Resp: 854538

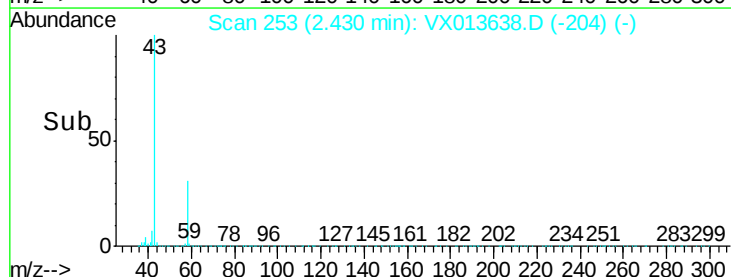
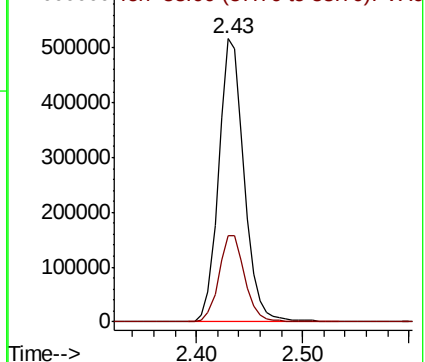
Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.6	36.8

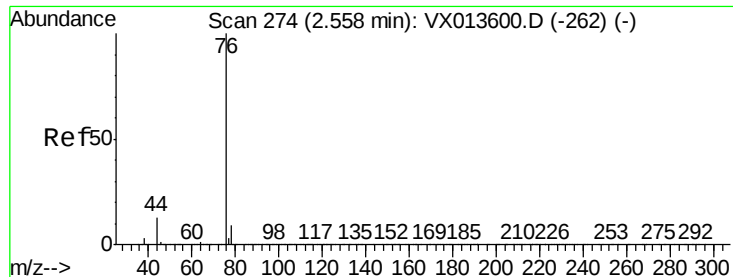


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 48.607 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

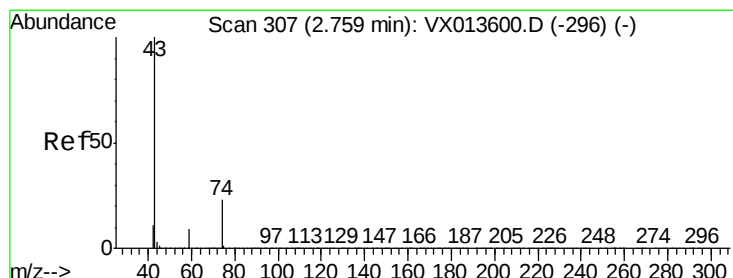
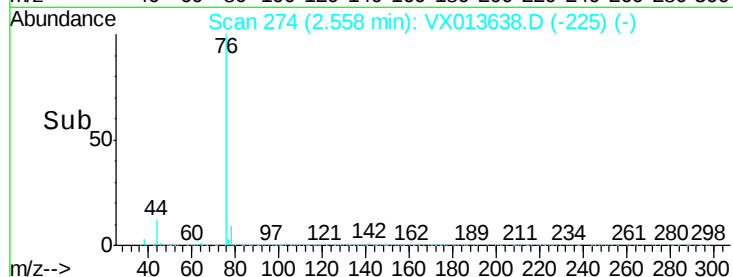
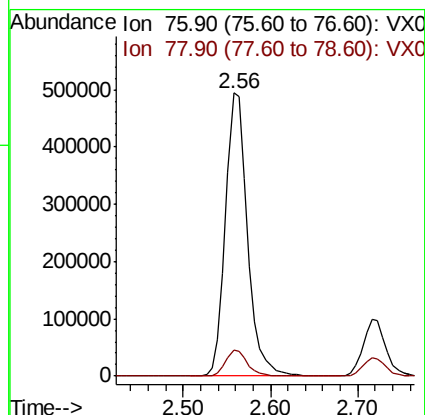
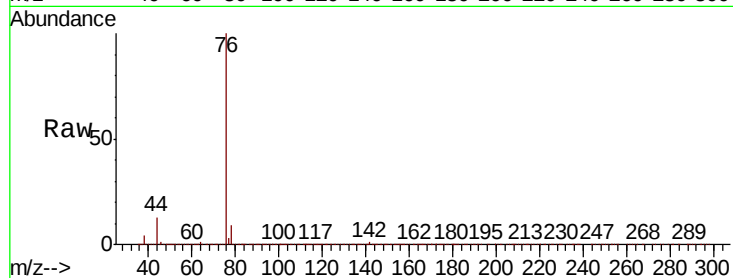
GR-OF-20191121MSD

Tot Ion: 76 Resp: 860285

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



#18

Methyl Acetate

Concen: 47.792 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013638.D

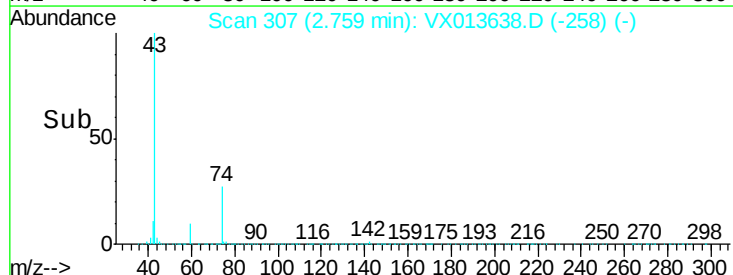
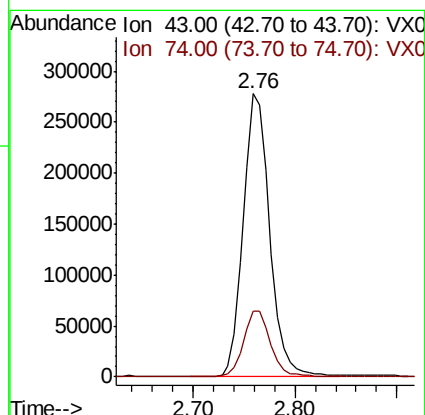
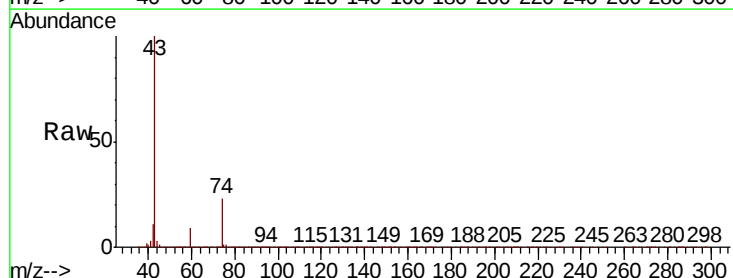
Acq: 27 Nov 2019 07:22

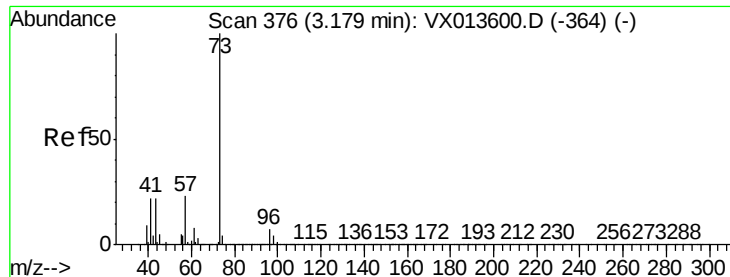
Tgt Ion: 43 Resp: 497557

Ion Ratio Lower Upper

43 100

74 24.0 19.5 29.3



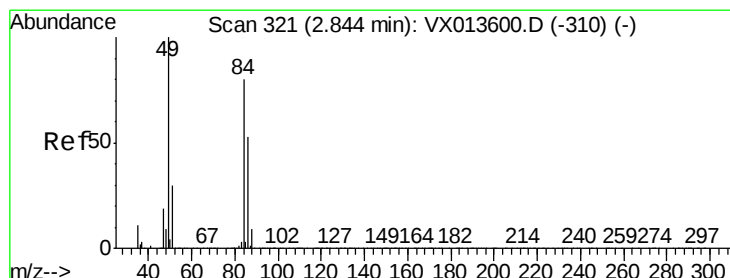
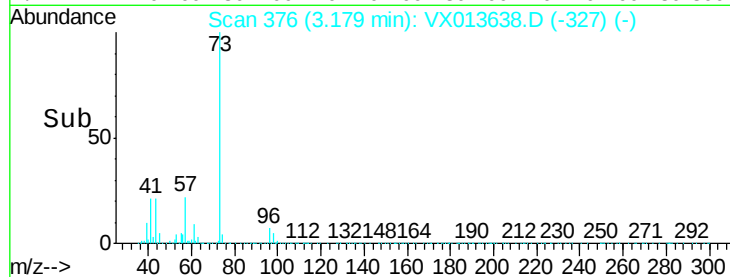
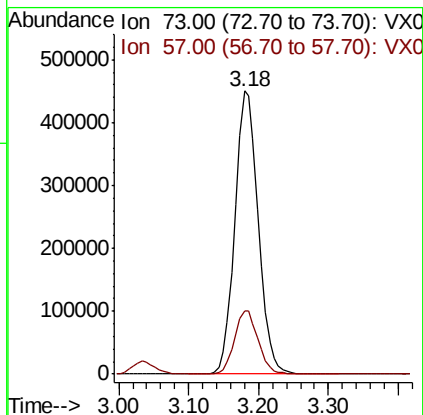
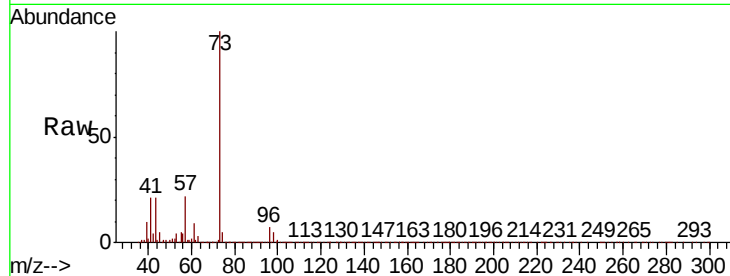


#19

Methyl tert-butyl Ether
Concen: 50.718 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

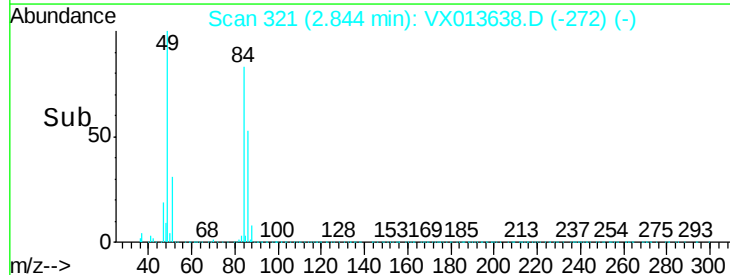
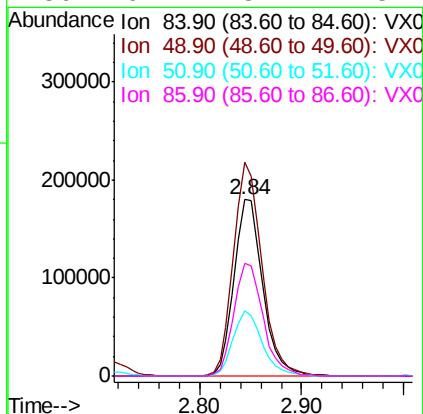
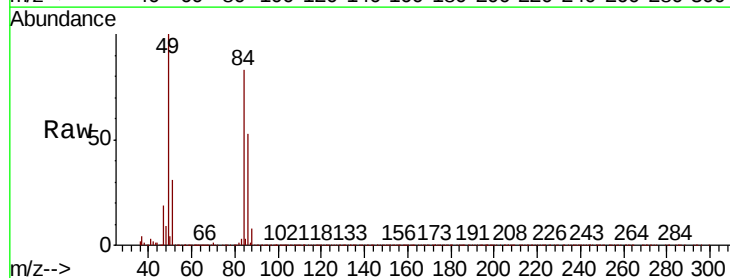
Tot Ion: 73 Resp: 1043135
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5

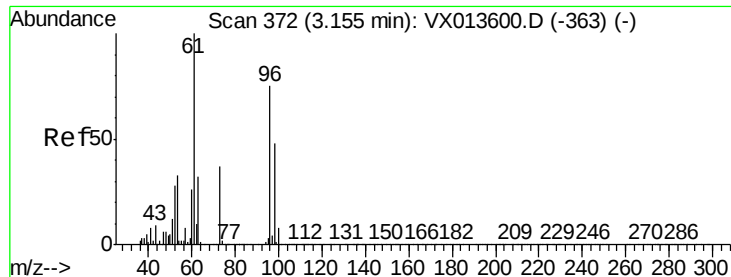


#20

Methylene Chloride
Concen: 48.661 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion: 84 Resp: 349524
Ion Ratio Lower Upper
84 100
49 121.0 99.7 149.5
51 37.0 29.9 44.9
86 64.1 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 49.064 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20191121MSD

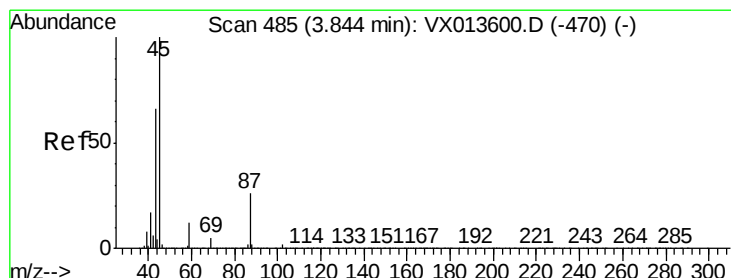
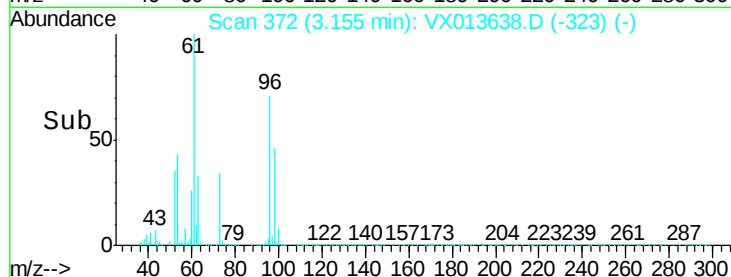
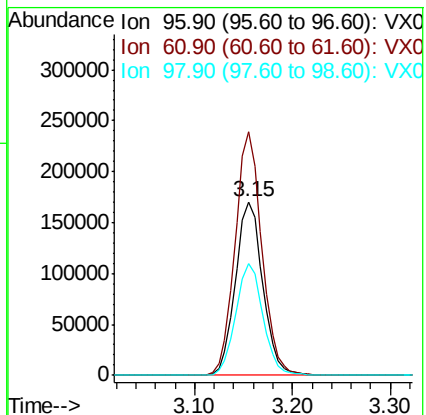
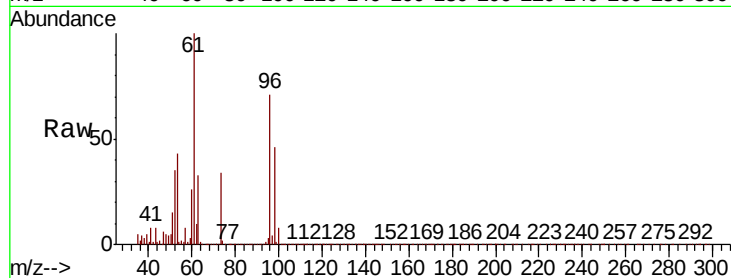
Tot Ion: 96 Resp: 331846

Ion Ratio Lower Upper

96 100

61 140.2 107.2 160.8

98 64.5 51.4 77.0



#22

Diisopropyl ether

Concen: 51.108 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Tgt Ion: 45 Resp: 1108781

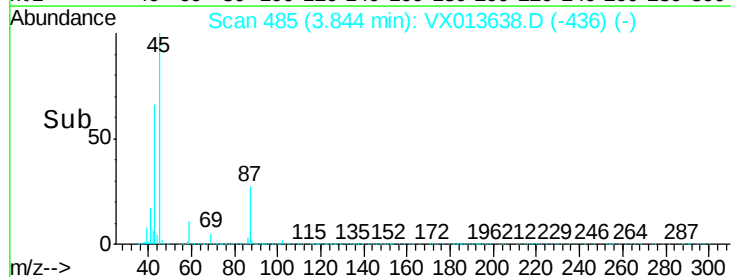
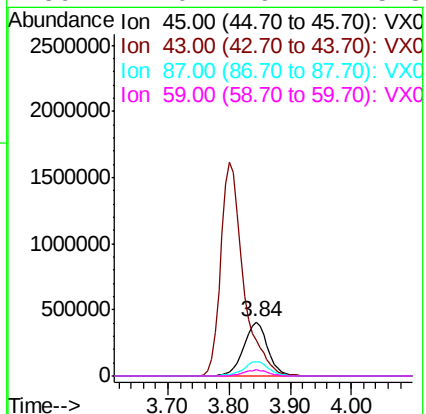
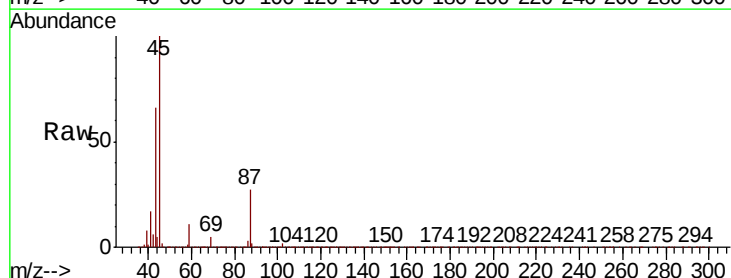
Ion Ratio Lower Upper

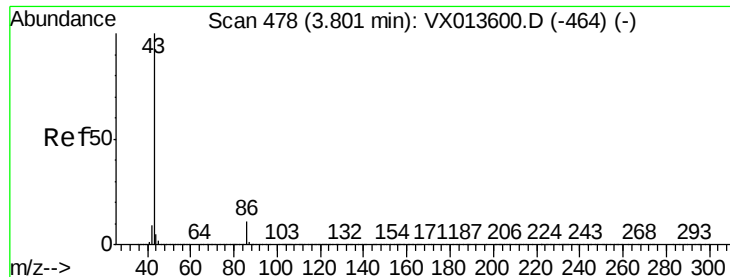
45 100

43 66.4 52.6 79.0

87 26.7 21.1 31.7

59 11.0 9.2 13.8





#23

Vinyl Acetate

Concen: 230.225 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

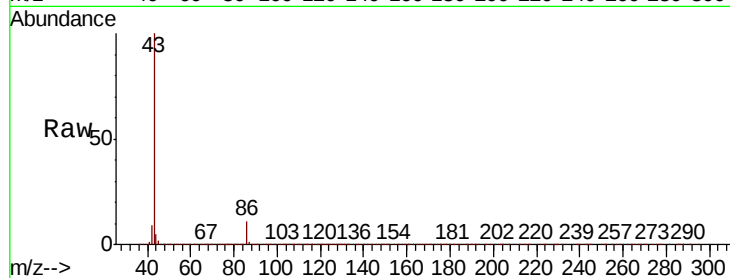
GR-OF-20191121MSD

Tot Ion: 43 Resp: 4155080

Ion Ratio Lower Upper

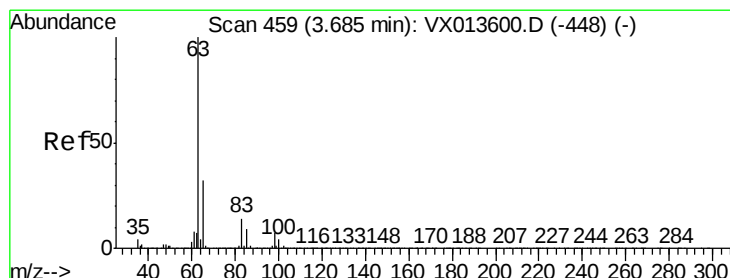
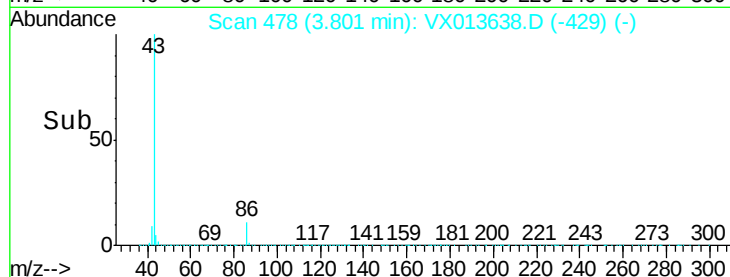
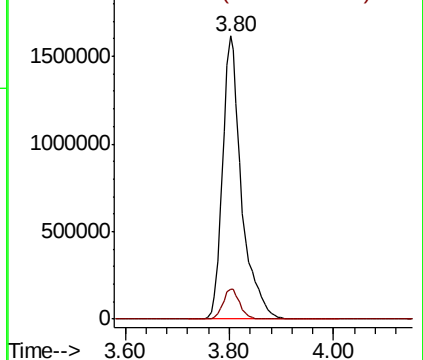
43 100

86 10.6 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.797 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

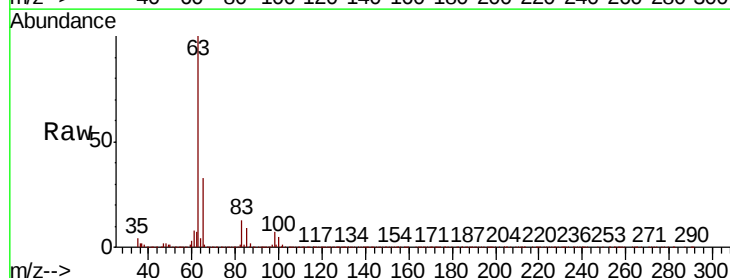
Tgt Ion: 63 Resp: 602448

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

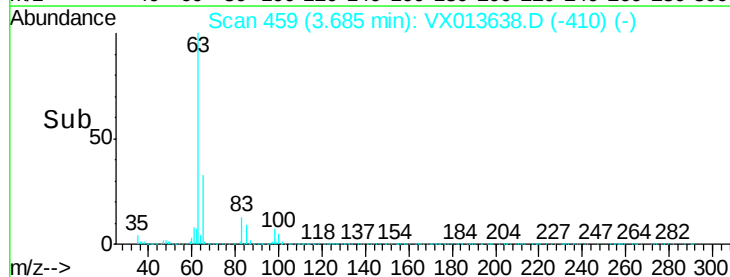
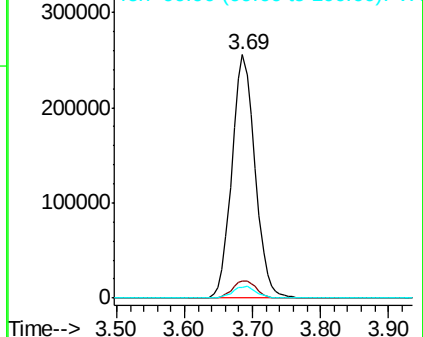
100 4.6 2.1 6.3

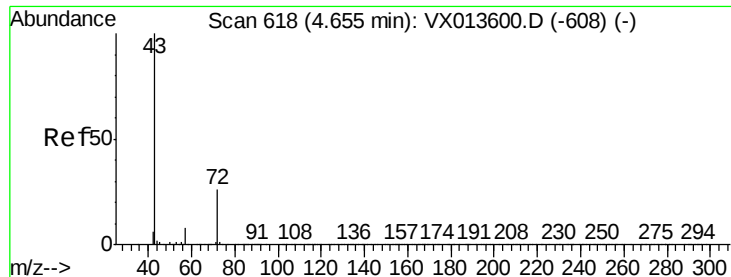


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 247.569 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

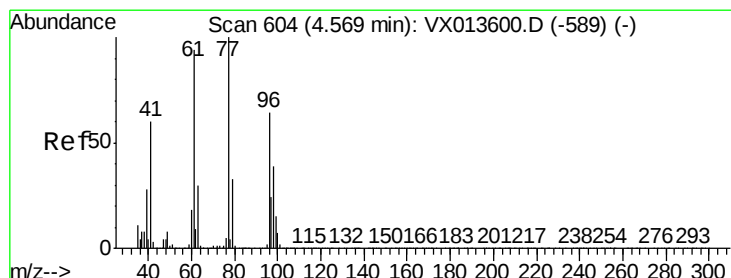
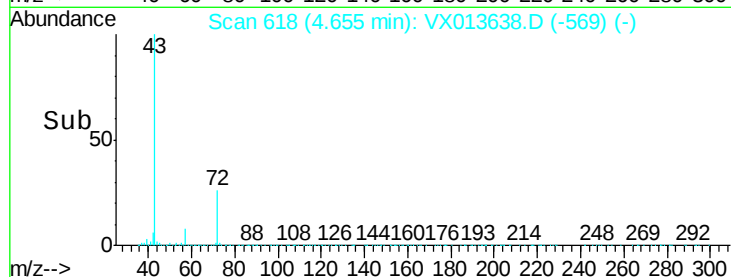
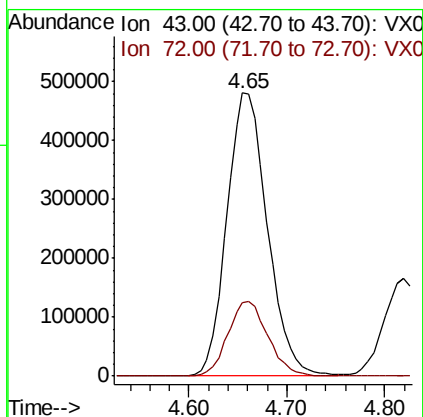
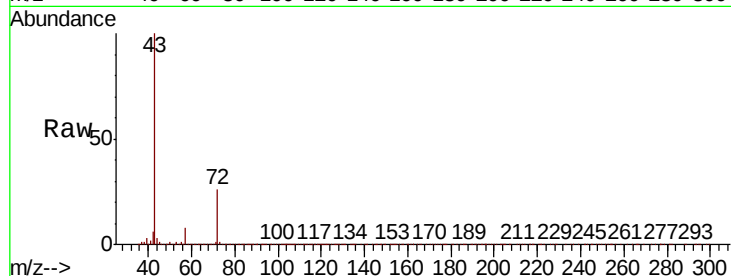
GR-OF-20191121MSD

Tot Ion: 43 Resp: 1375614

Ion Ratio Lower Upper

43 100

72 25.9 20.6 31.0



#26

2,2-Dichloropropane

Concen: 33.865 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.01 min

Lab File: VX013638.D

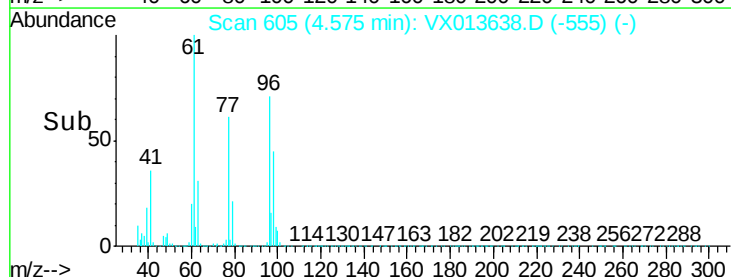
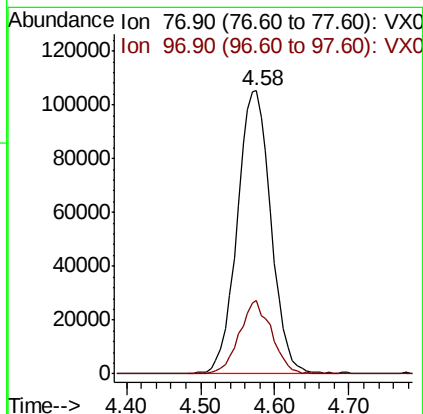
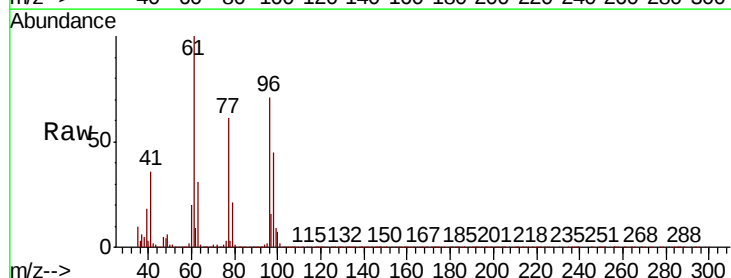
Acq: 27 Nov 2019 07:22

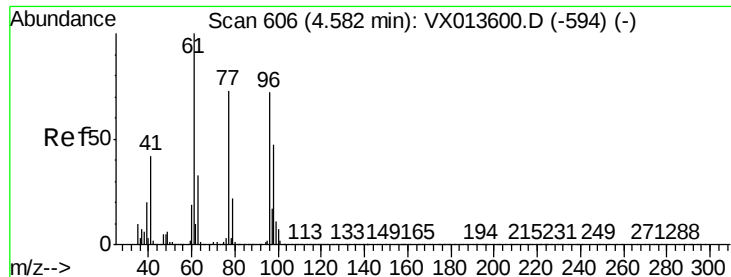
Tgt Ion: 77 Resp: 332298

Ion Ratio Lower Upper

77 100

97 24.7 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 49.046 ug/l

RT: 4.58 min Scan# 606

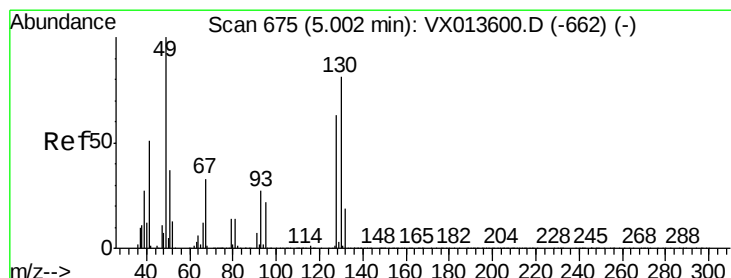
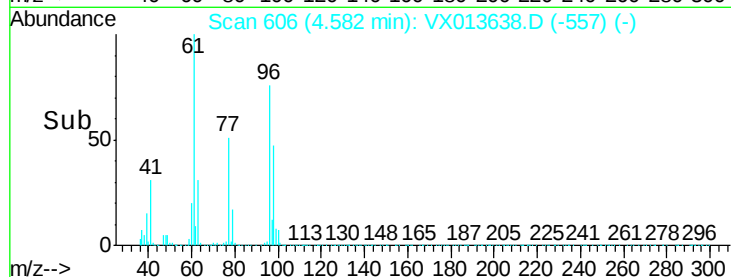
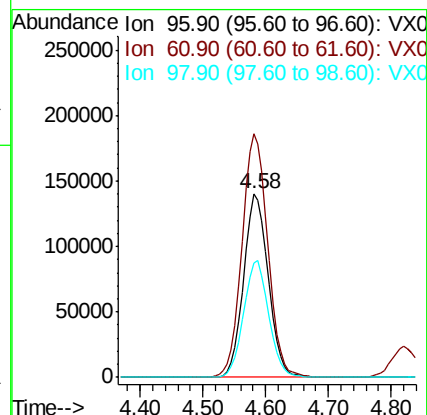
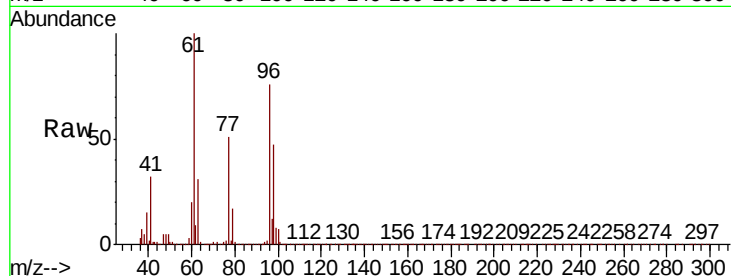
Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	286.4
98	64.7	0.0	127.4



#28

Bromochloromethane

Concen: 51.121 ug/l

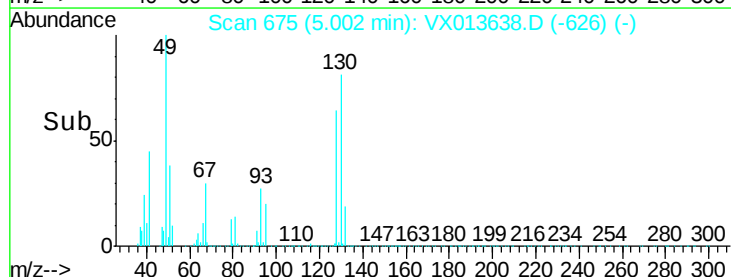
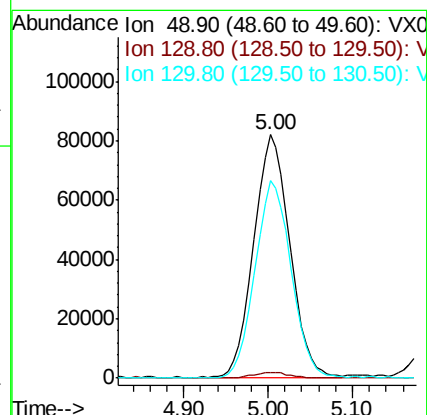
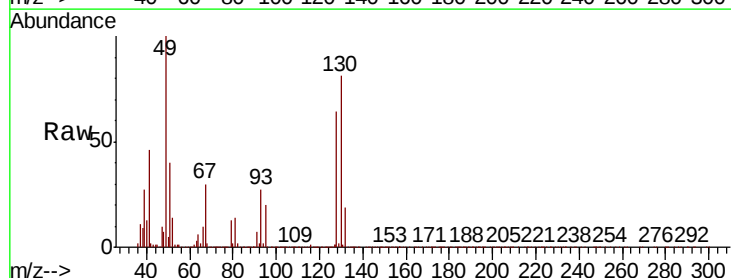
RT: 5.00 min Scan# 675

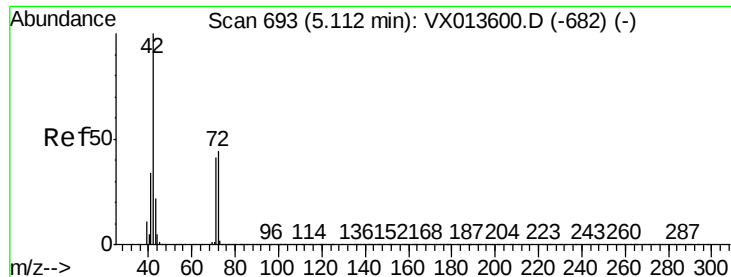
Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	5.0
130	81.9	65.4	98.0





#29

Tetrahydrofuran

Concen: 263.479 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20191121MSD

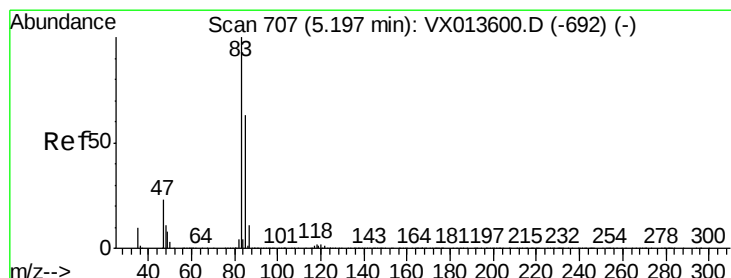
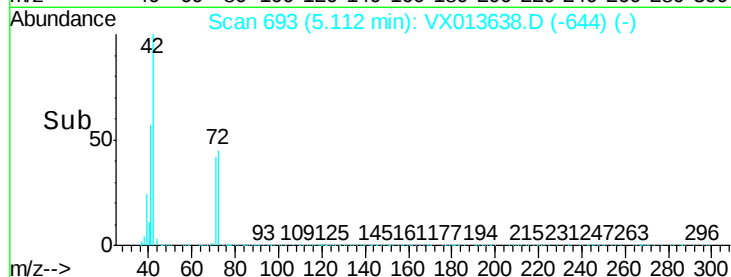
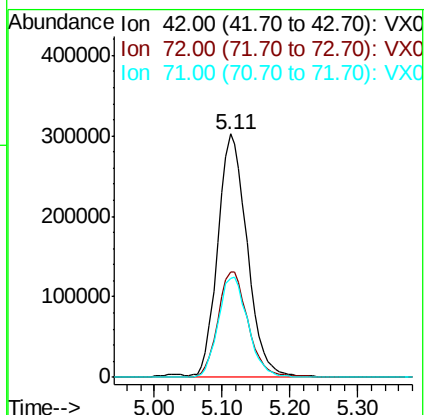
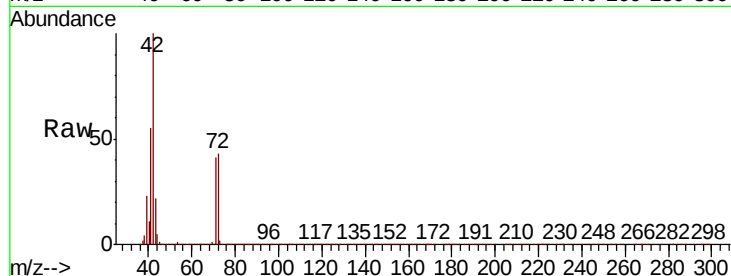
Tot Ion: 42 Resp: 902518

Ion Ratio Lower Upper

42 100

72 44.6 36.3 54.5

71 42.0 33.2 49.8



#30

Chloroform

Concen: 48.662 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013638.D

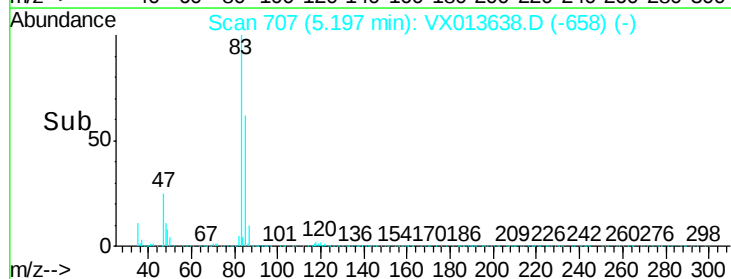
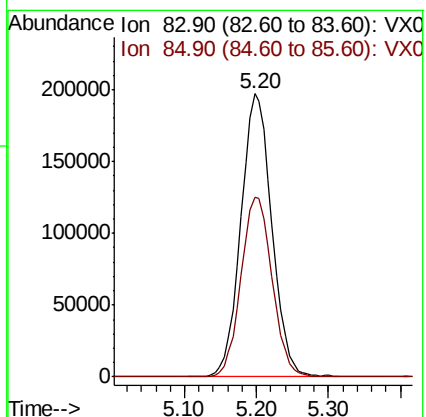
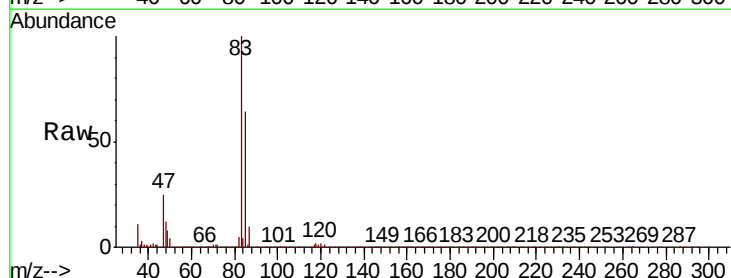
Acq: 27 Nov 2019 07:22

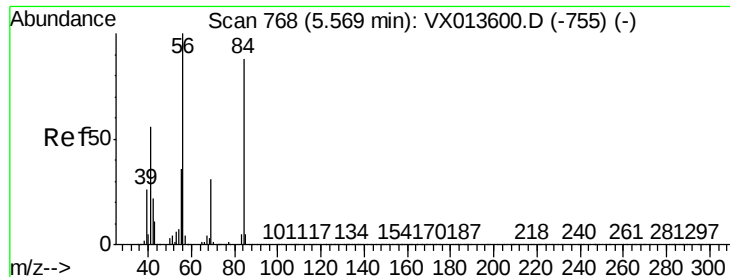
Tgt Ion: 83 Resp: 585295

Ion Ratio Lower Upper

83 100

85 63.6 50.2 75.4

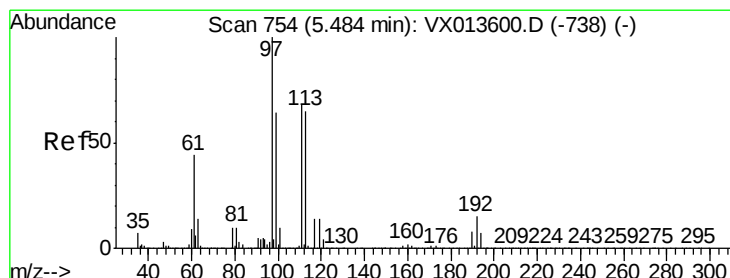
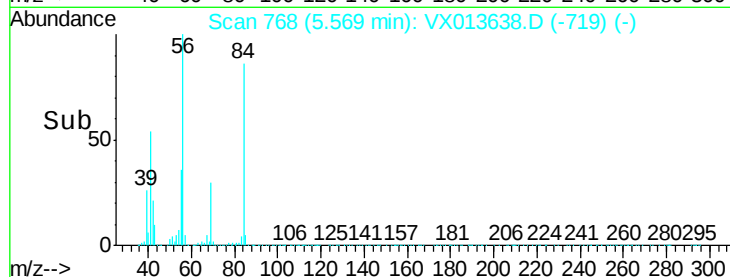
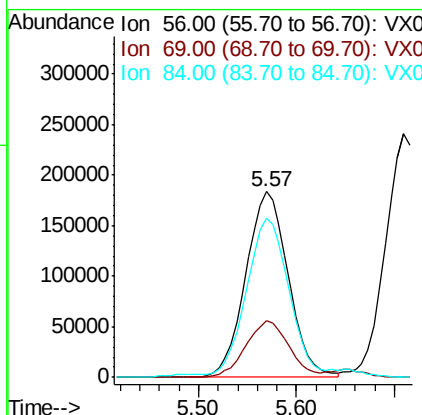
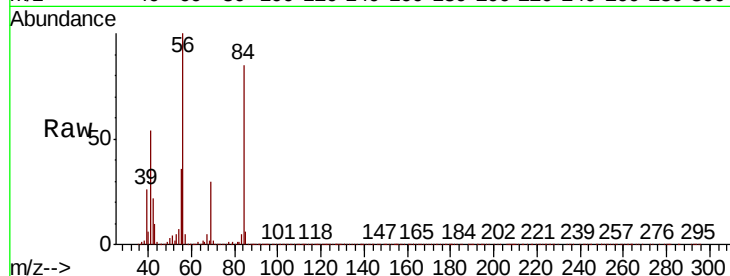




#31
Cyclohexane
Concen: 49.333 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

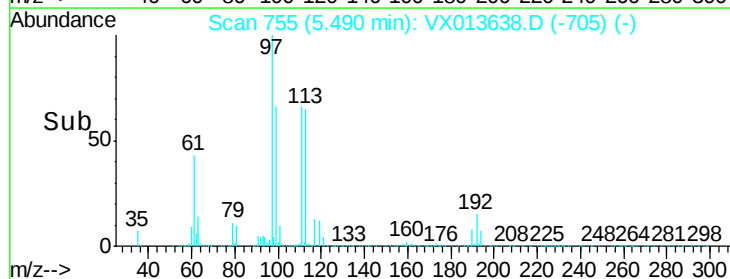
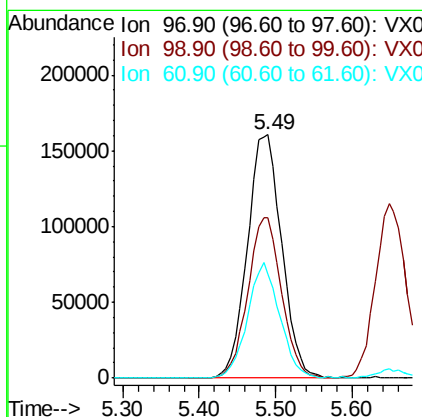
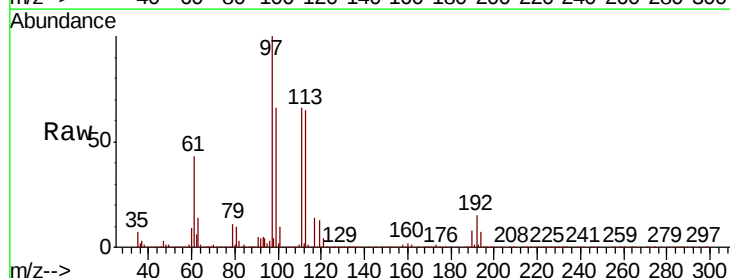
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

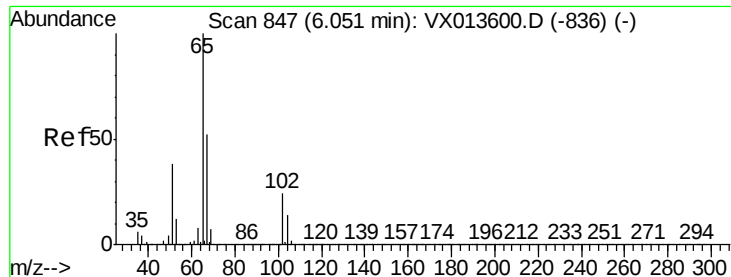
Tot Ion: 56 Resp: 551846
Ion Ratio Lower Upper
56 100
69 30.2 24.6 36.8
84 84.3 70.0 105.0



#32
1,1,1-Trichloroethane
Concen: 49.974 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion: 97 Resp: 502296
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 44.1 36.1 54.1





#33

1,2-Dichloroethane-d4

Concen: 47.061 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

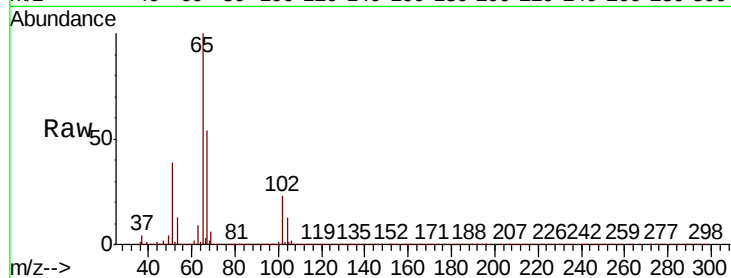
GR-OF-20191121MSD

Tot Ion: 65 Resp: 356381

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

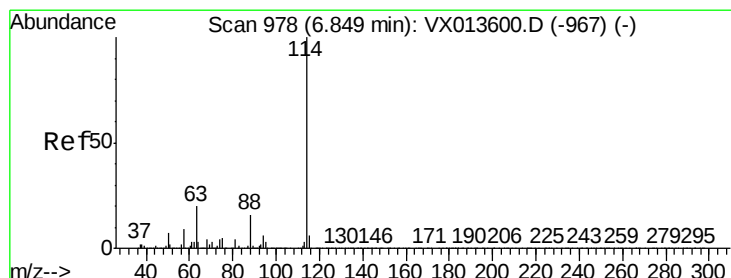
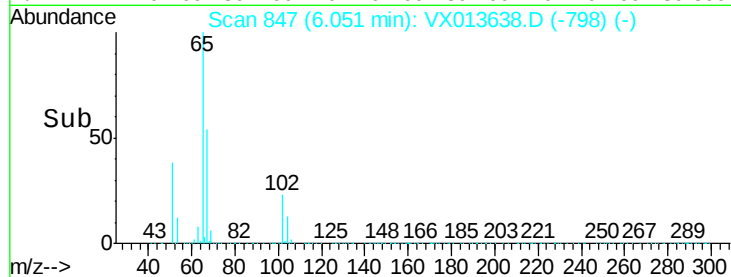
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

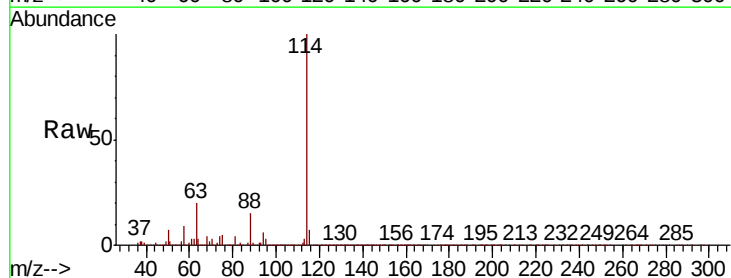
Tgt Ion: 114 Resp: 1012990

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 15.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

600000

500000

400000

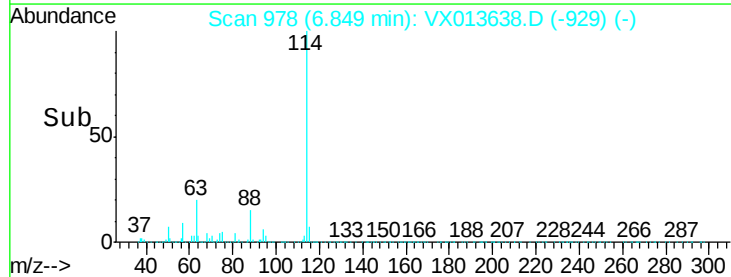
300000

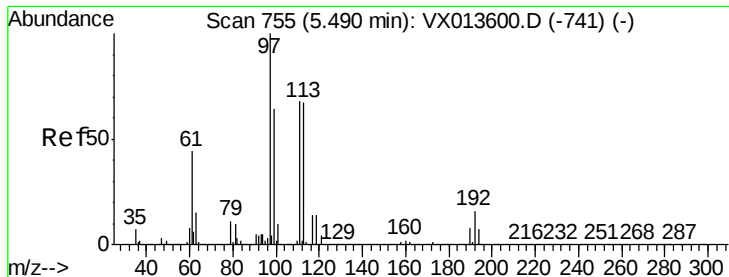
200000

100000

0

Time-->

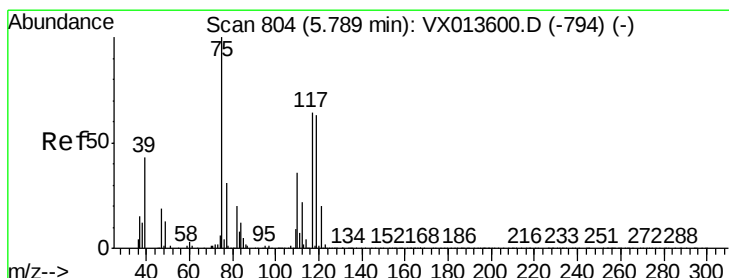
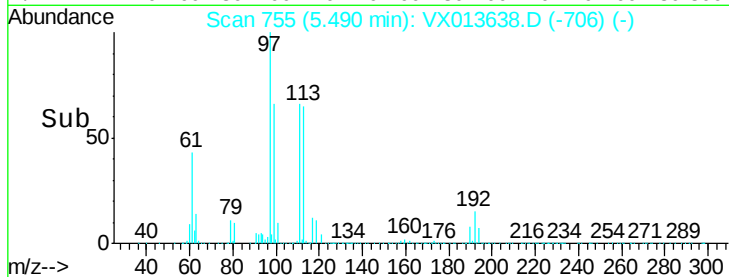
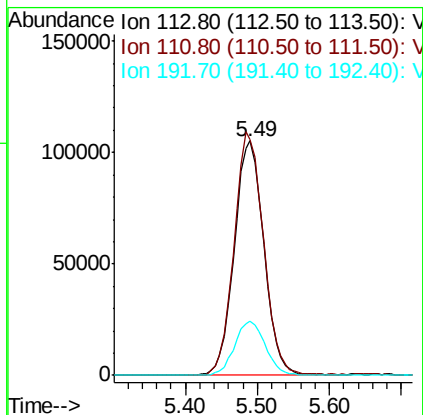
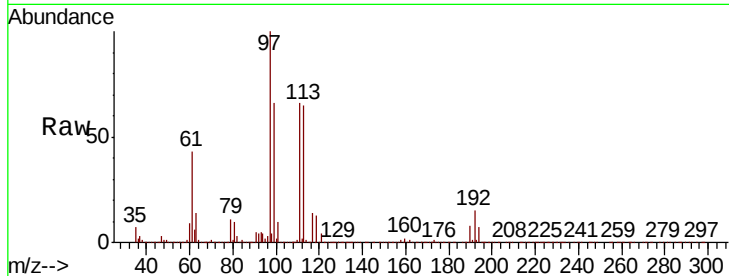




#35
 Dibromofluoromethane
 Concen: 48.096 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

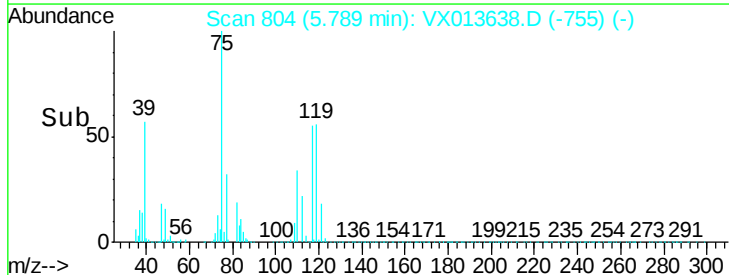
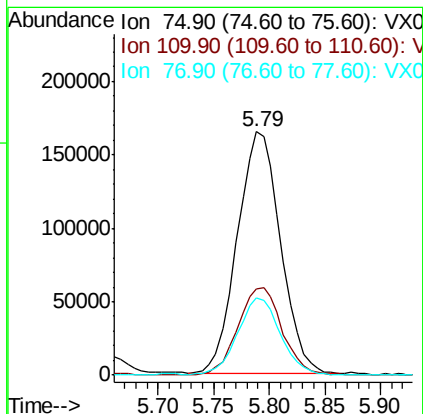
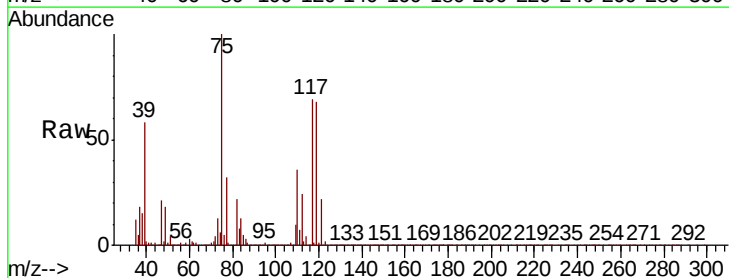
Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20191121MSD

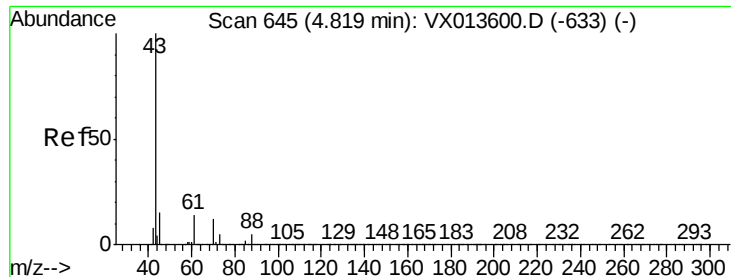
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.6	125.4
192	23.9	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 48.398 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.1	54.1
77	31.1	24.5	36.7

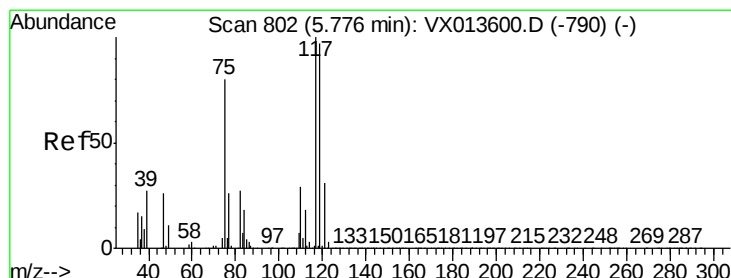
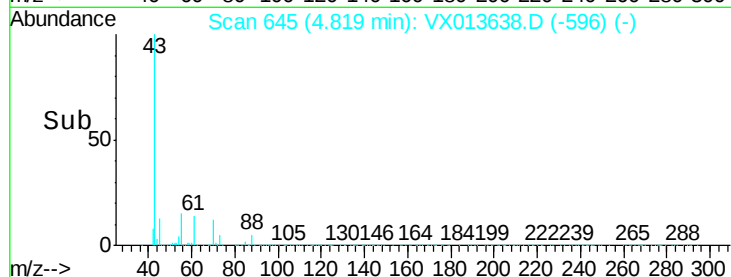
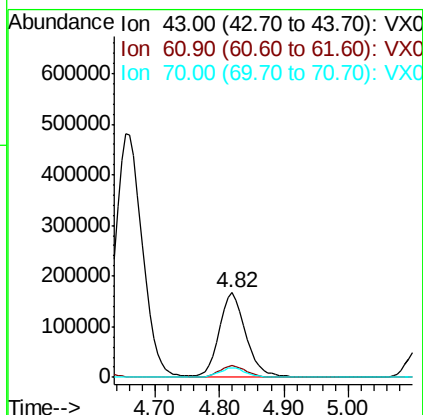
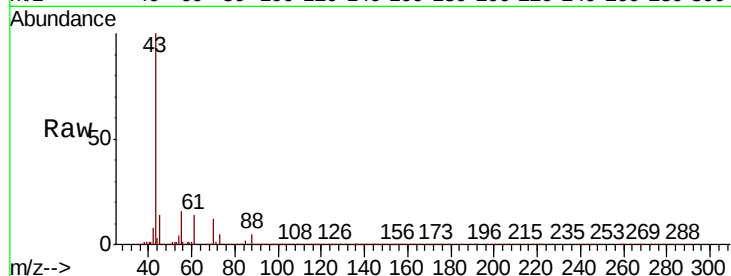




#37
Ethyl Acetate
Concen: 47.011 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

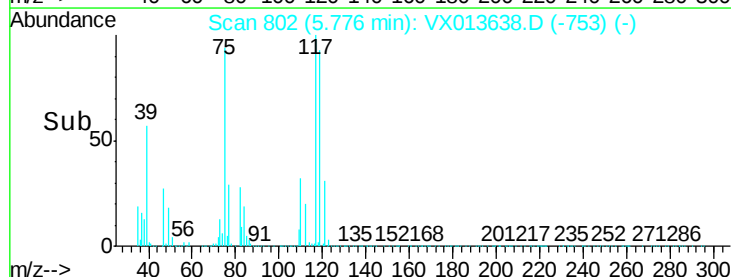
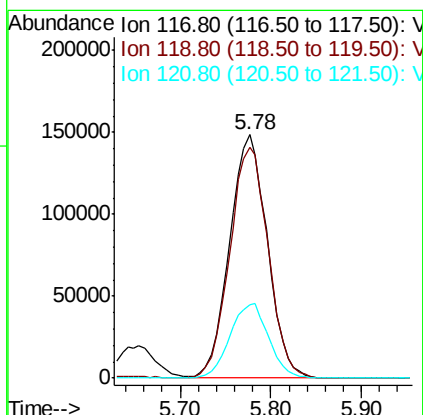
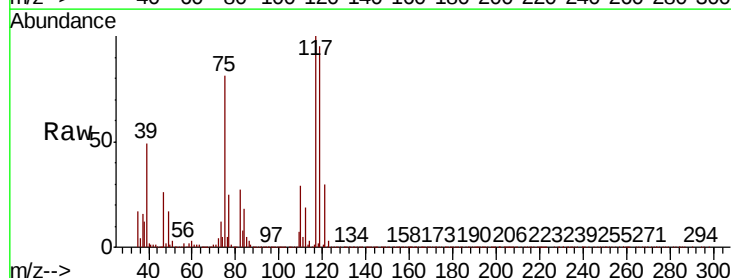
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

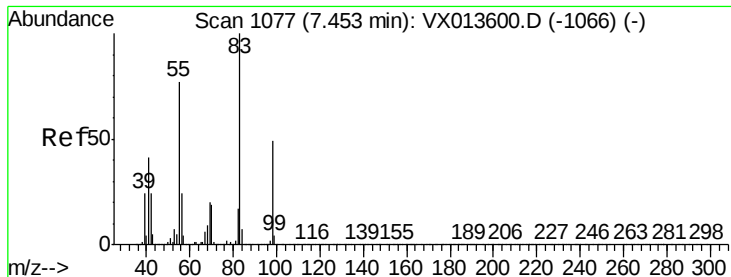
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	10.6	8.6	12.8



#38
Carbon Tetrachloride
Concen: 50.375 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.5	116.3
121	30.2	25.0	37.6

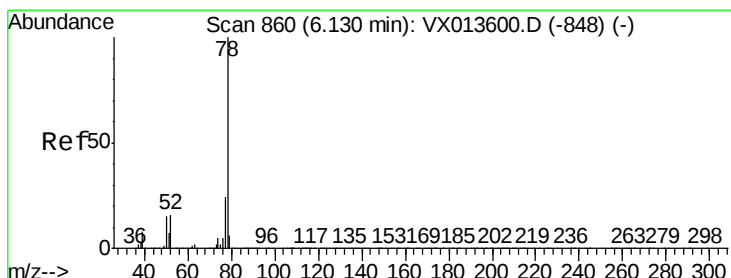
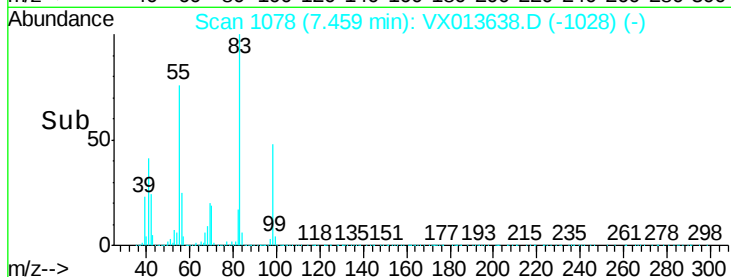
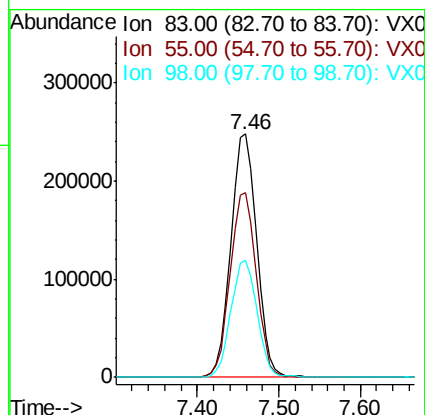
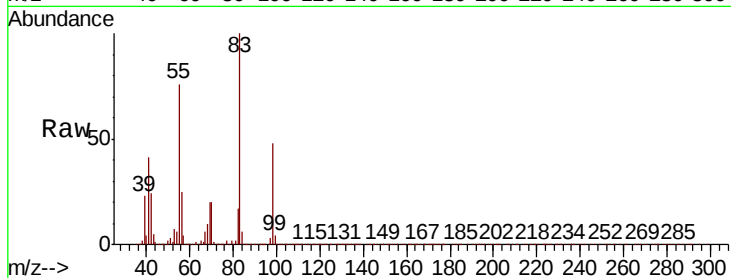




#39
Methvlcvclohexane
Concen: 47.494 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

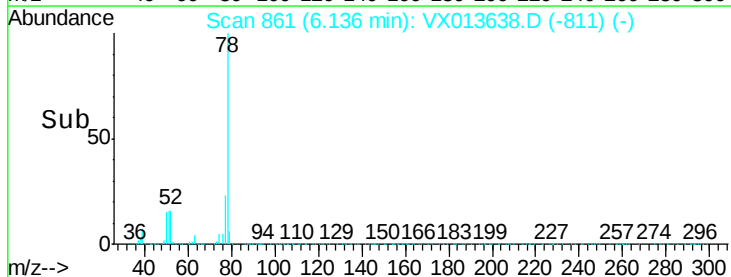
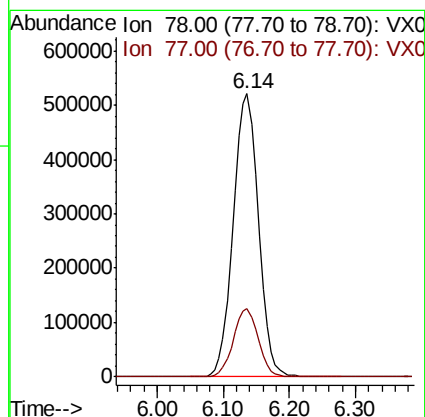
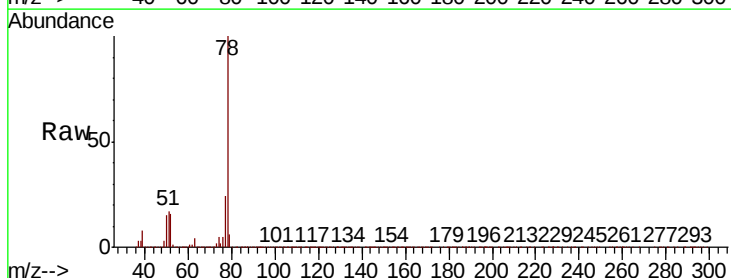
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

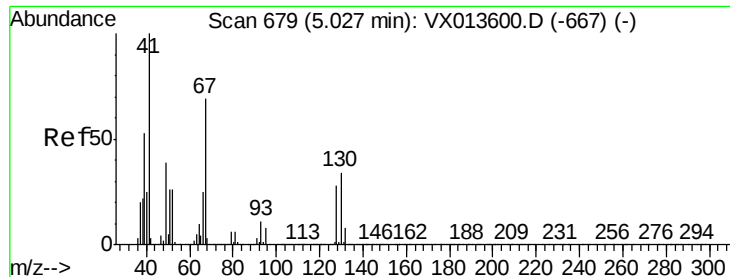
Tot Ion	83.00	Resp	539834
Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.9	92.9
98	48.1	39.4	59.0



#40
Benzene
Concen: 49.115 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion	78.00	Resp	1375509
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4

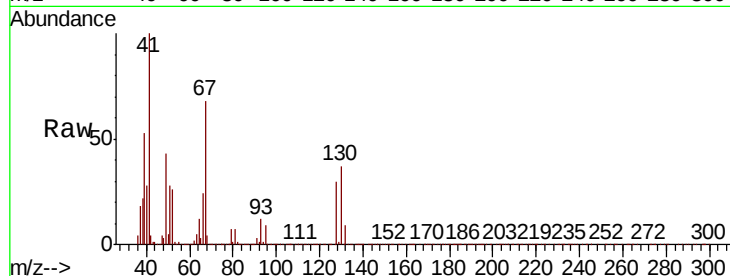




#41
Methacrylonitrile
Concen: 51.209 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

Tot Ion:	41	Resp:	289707
Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.9	64.3
67	70.8	57.4	86.0
52	28.7	22.4	33.6



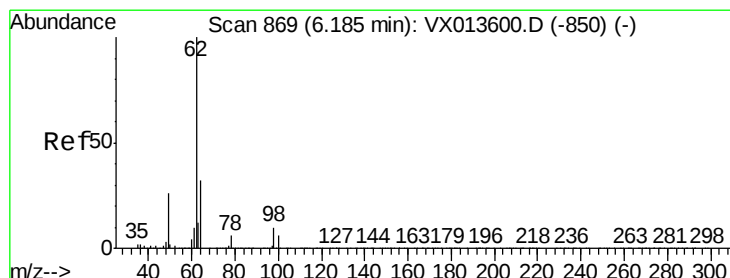
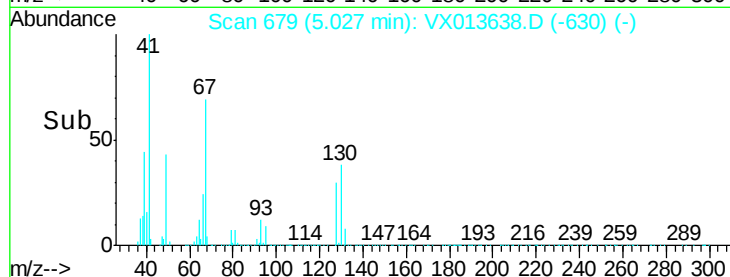
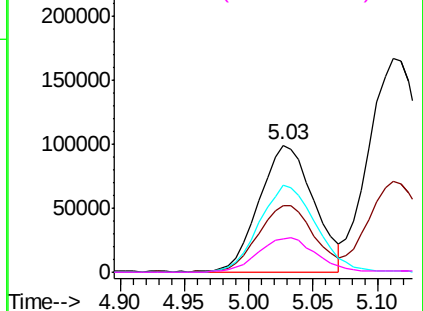
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

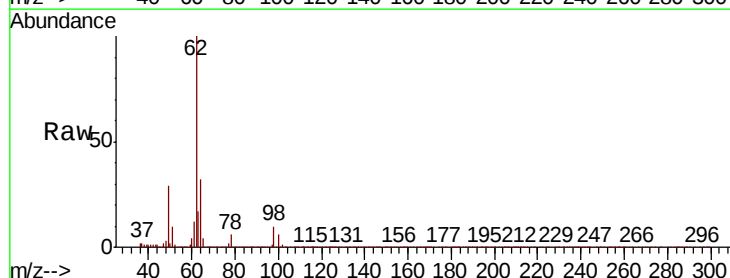
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 49.538 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

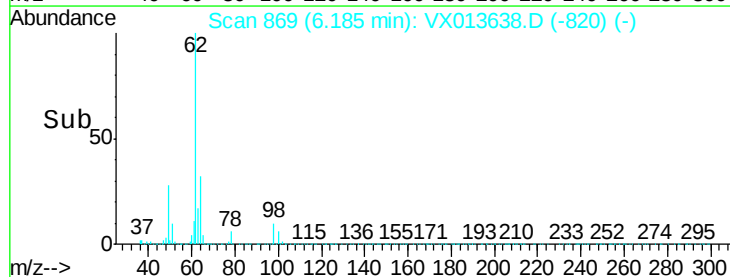
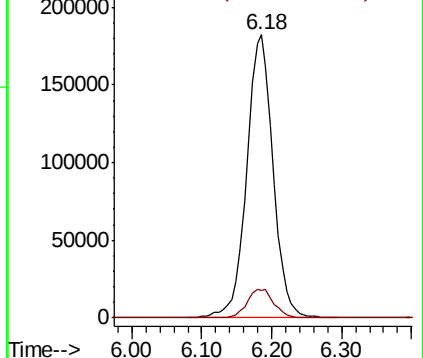
Tgt Ion:	62	Resp:	473148
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.8

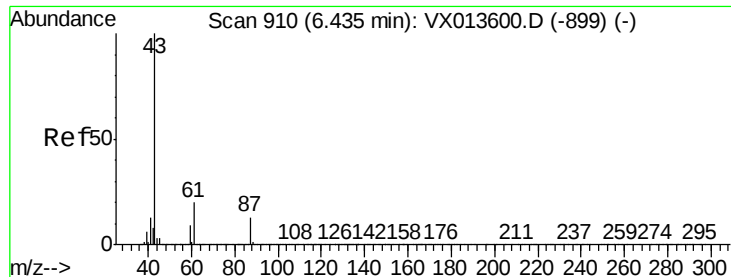


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



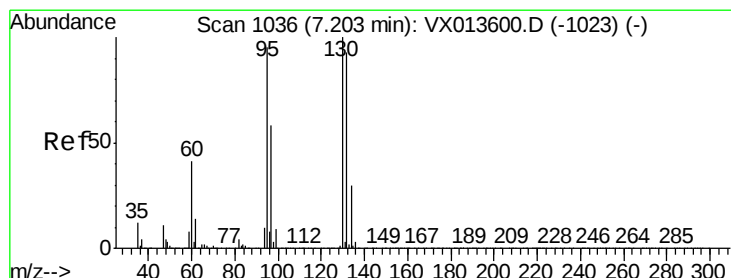
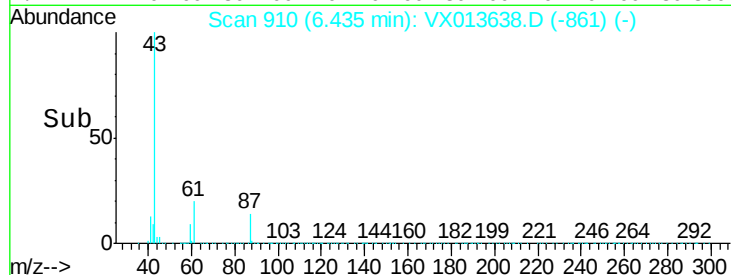
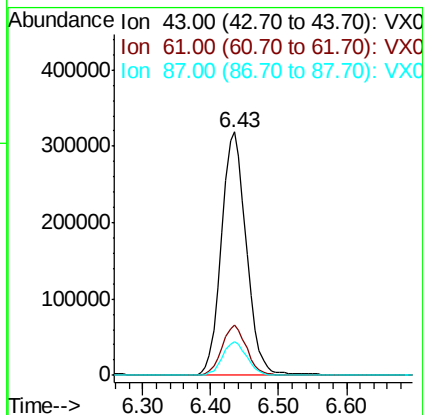
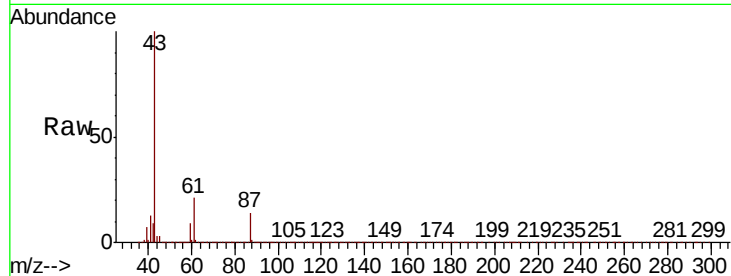


#43

Isopropyl Acetate
 Concen: 47.485 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20191121MSD

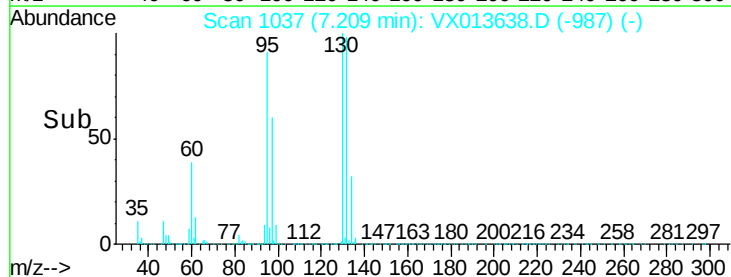
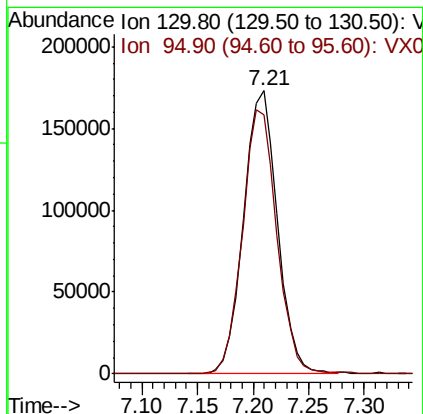
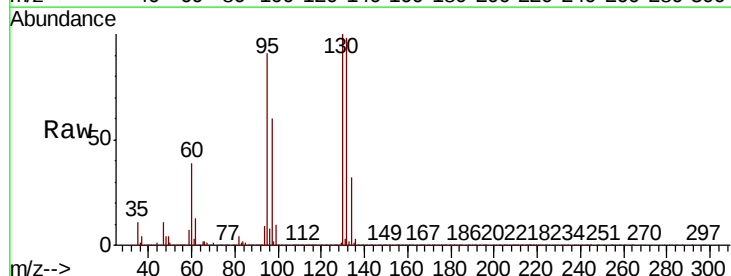
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.3	24.5
87	13.5	10.8	16.2



#44

Trichloroethene
 Concen: 47.606 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	190.8





#45

1,2-Dichloropropane

Concen: 50.876 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

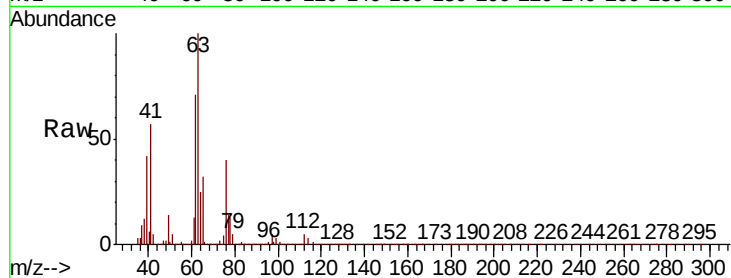
GR-OF-20191121MSD

Tot Ion: 63 Resp: 356491

Ion Ratio Lower Upper

63 100

65 31.5 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

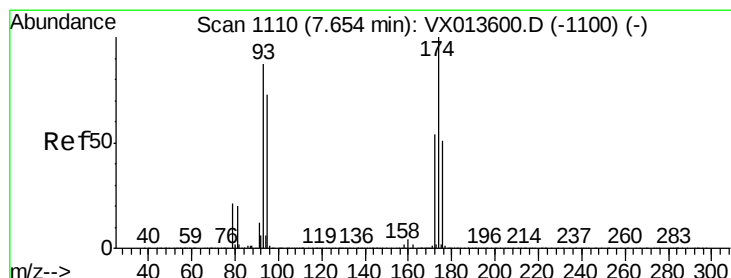
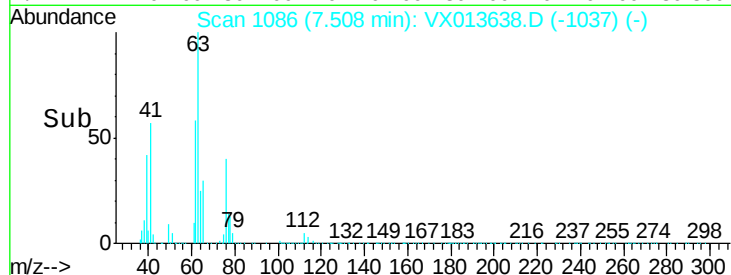
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 48.470 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

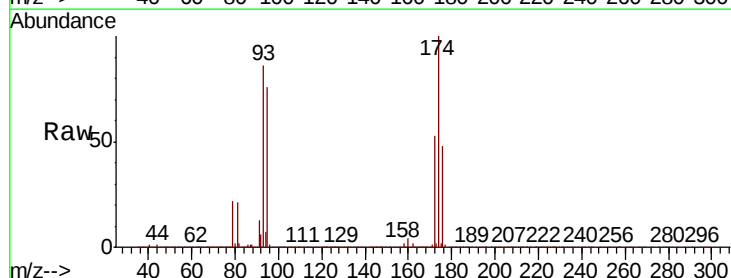
Tgt Ion: 93 Resp: 230671

Ion Ratio Lower Upper

93 100

95 85.7 66.2 99.2

174 116.5 93.4 140.0



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

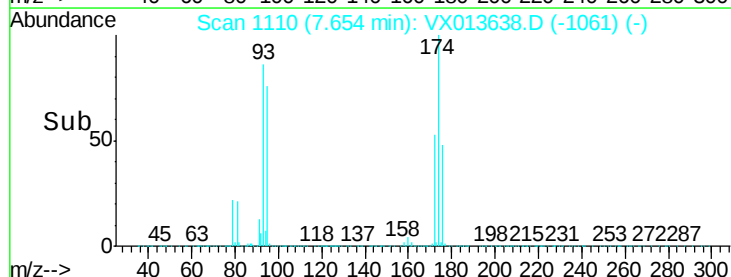
150000

100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 50.483 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20191121MSD

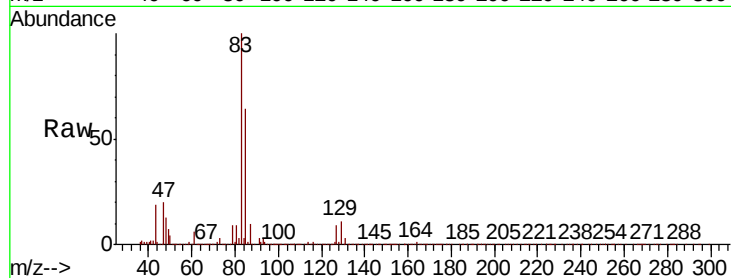
Tot Ion: 83 Resp: 454180

Ion Ratio Lower Upper

83 100

85 63.8 52.1 78.1

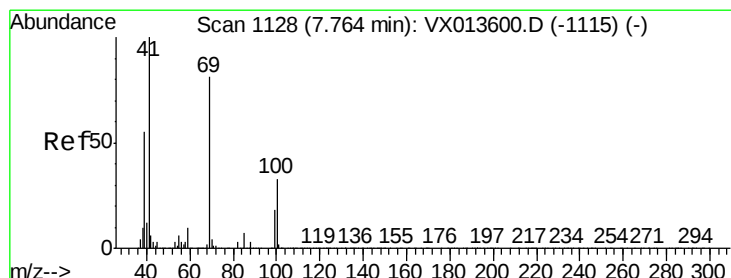
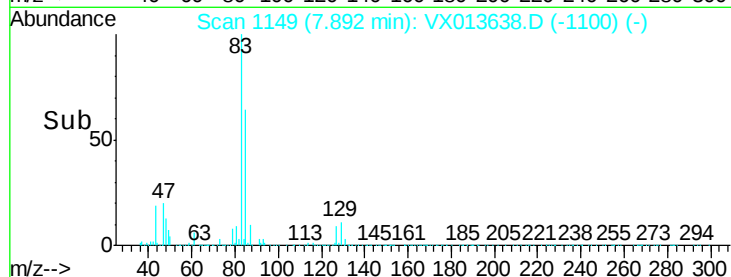
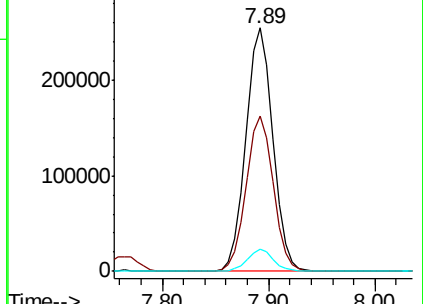
127 8.9 7.0 10.4



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: 51.344 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

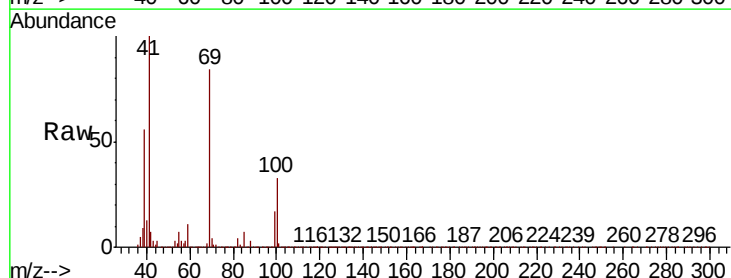
Tgt Ion: 41 Resp: 423679

Ion Ratio Lower Upper

41 100

69 81.7 64.7 97.1

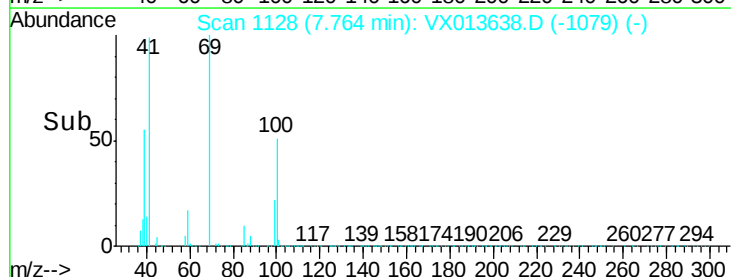
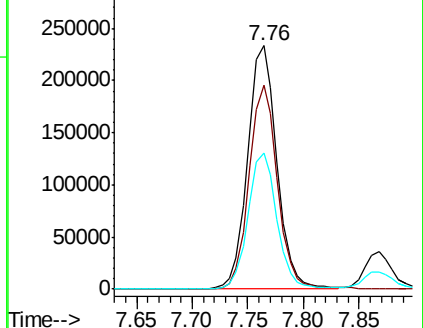
39 55.3 43.8 65.6

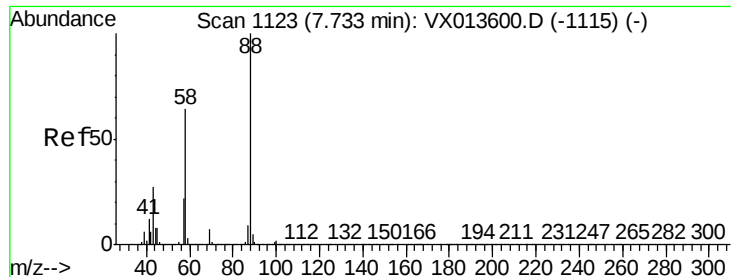


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1034.748 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20191121MSD

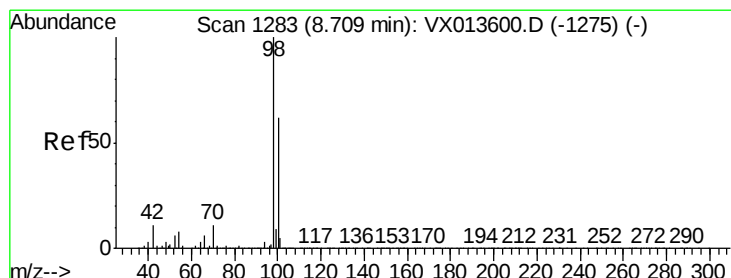
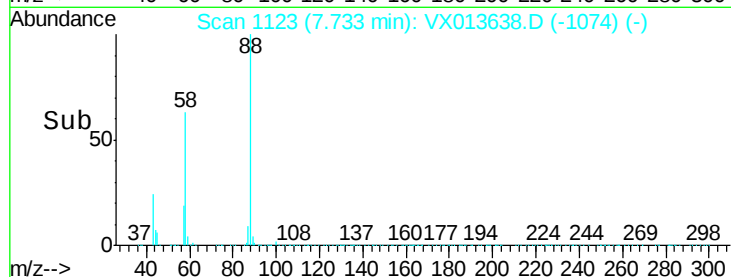
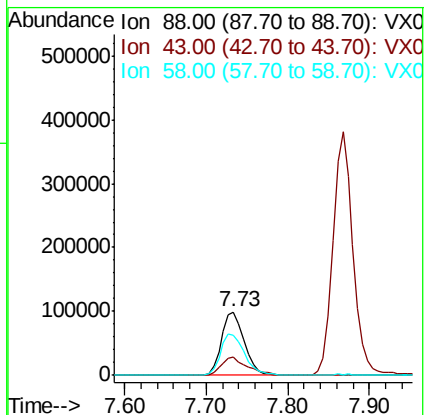
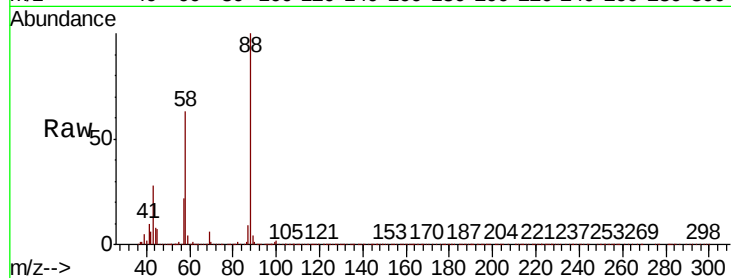
Tot Ion: 88 Resp: 191123

Ion Ratio Lower Upper

88 100

43 32.2 25.8 38.6

58 69.2 54.6 82.0



#50

Toluene-d8

Concen: 47.470 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013638.D

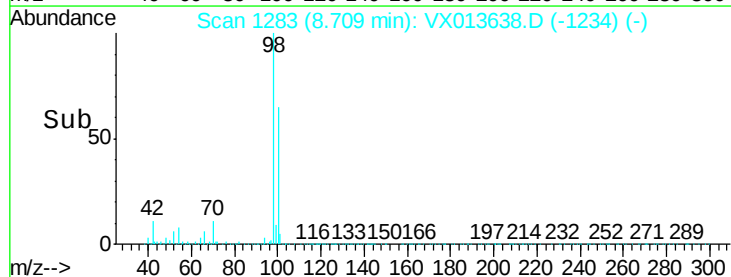
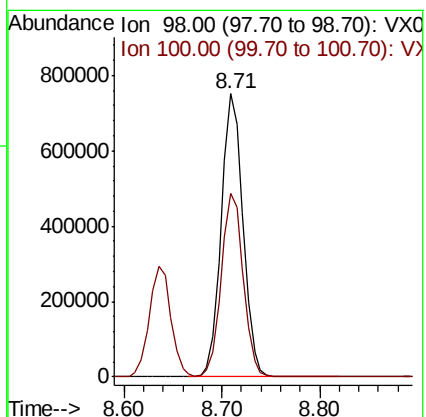
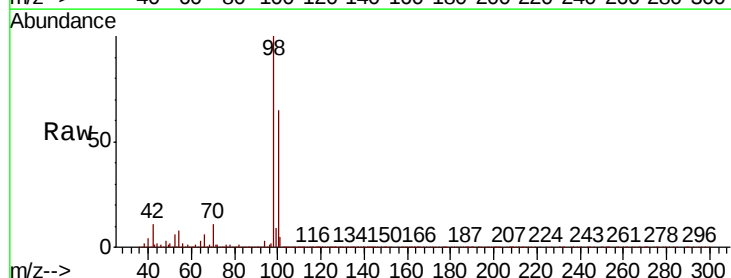
Acq: 27 Nov 2019 07:22

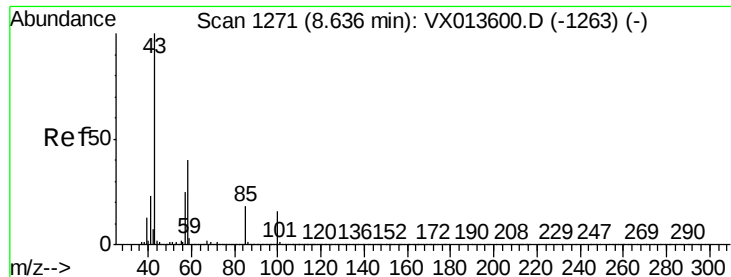
Tgt Ion: 98 Resp: 1158224

Ion Ratio Lower Upper

98 100

100 65.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 253.976 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

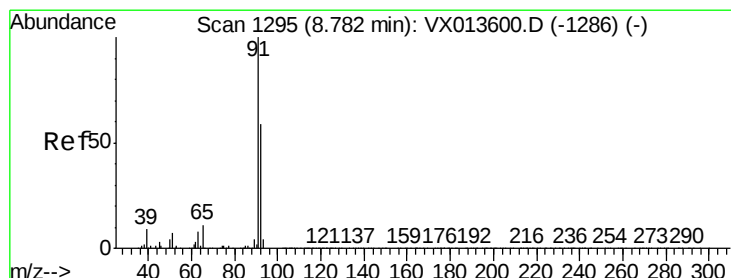
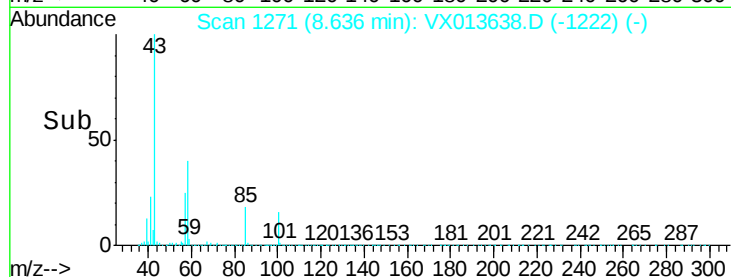
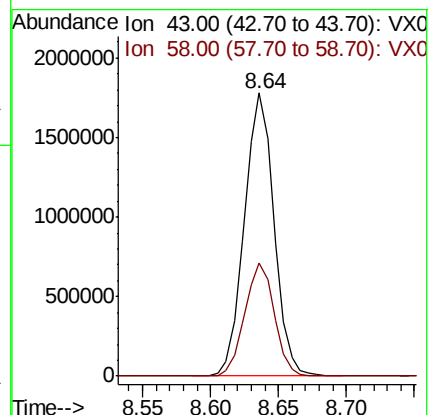
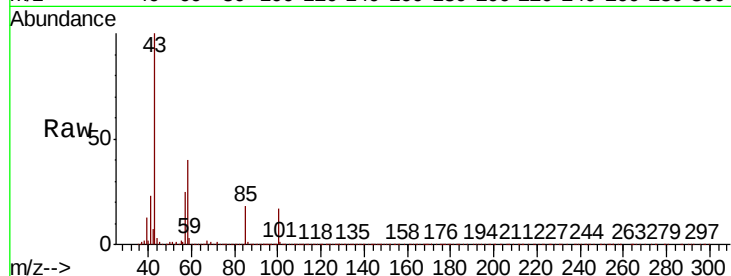
GR-OF-20191121MSD

Tot Ion: 43 Resp: 2713176

Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1



#52

Toluene

Concen: 50.252 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013638.D

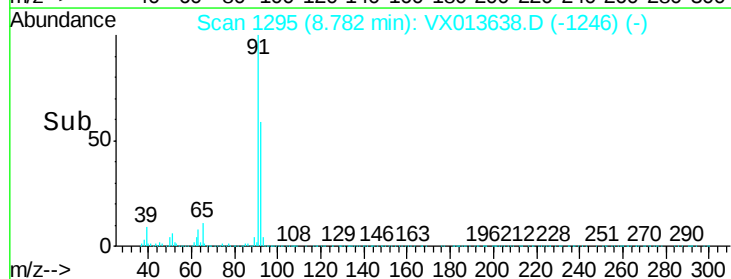
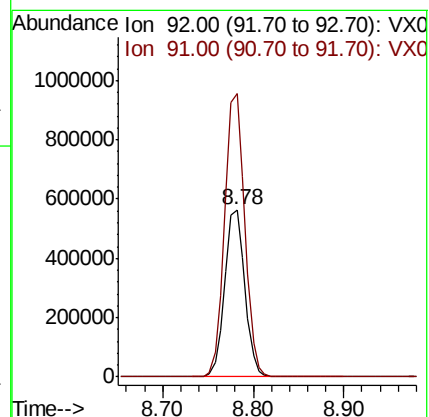
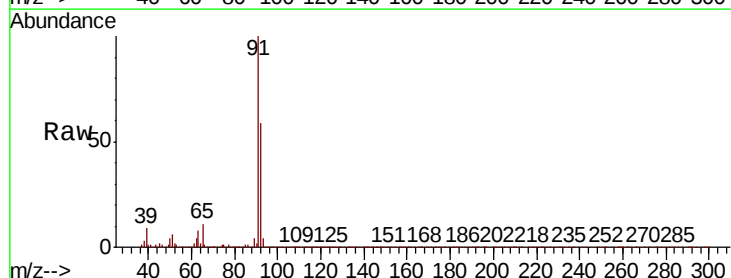
Acq: 27 Nov 2019 07:22

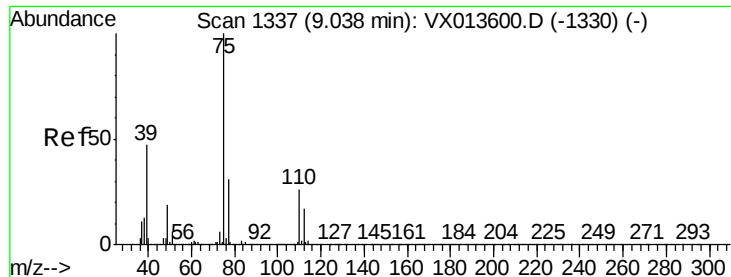
Tgt Ion: 92 Resp: 874303

Ion Ratio Lower Upper

92 100

91 170.1 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 47.823 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

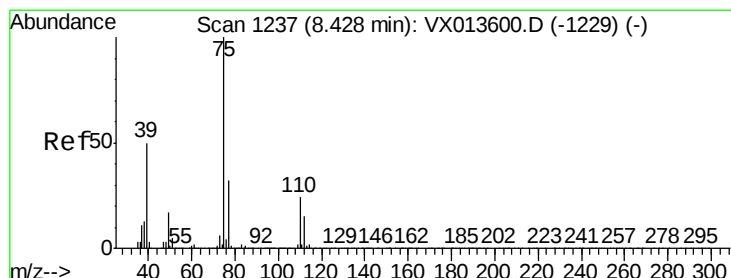
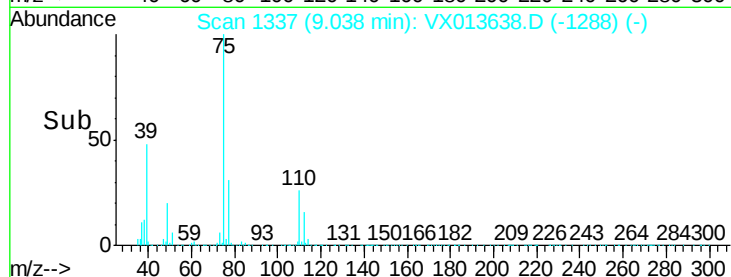
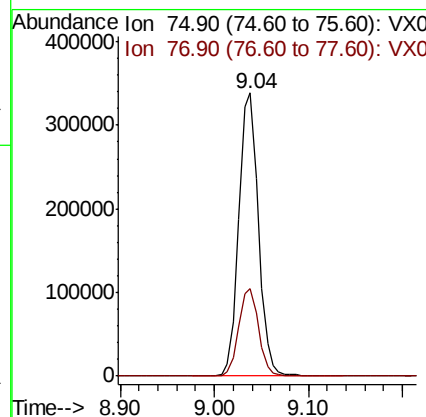
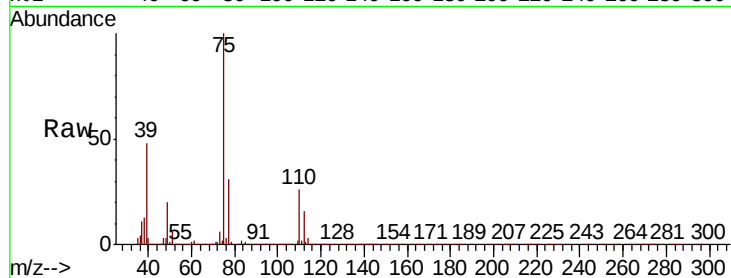
GR-OF-20191121MSD

Tot Ion: 75 Resp: 489727

Ion Ratio Lower Upper

75 100

77 31.0 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 48.060 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

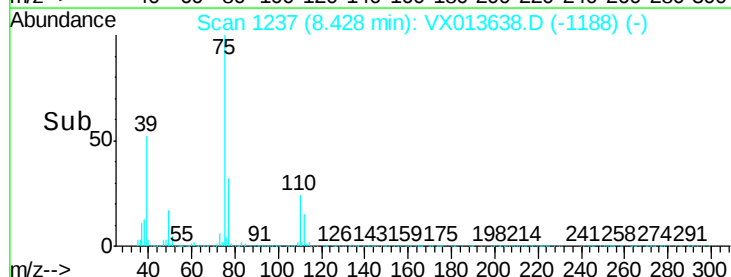
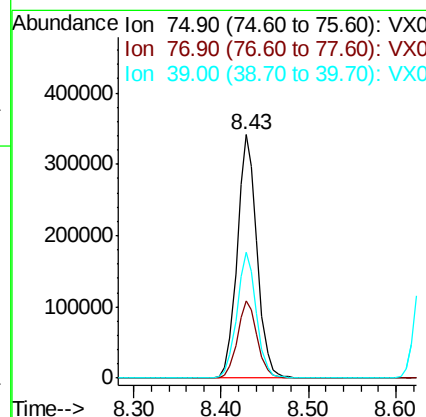
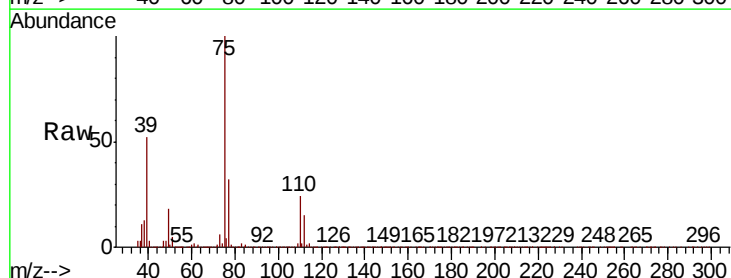
Tgt Ion: 75 Resp: 537693

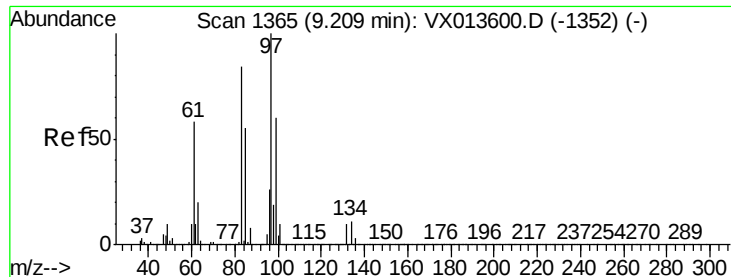
Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6

39 51.5 39.9 59.9

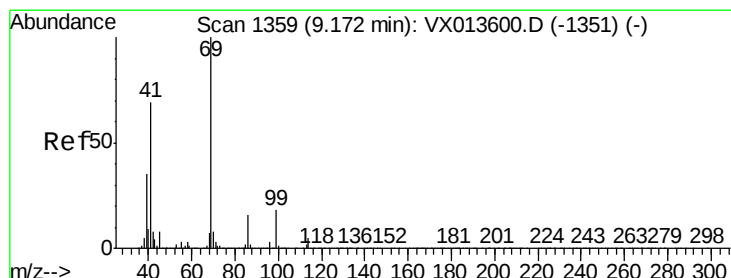
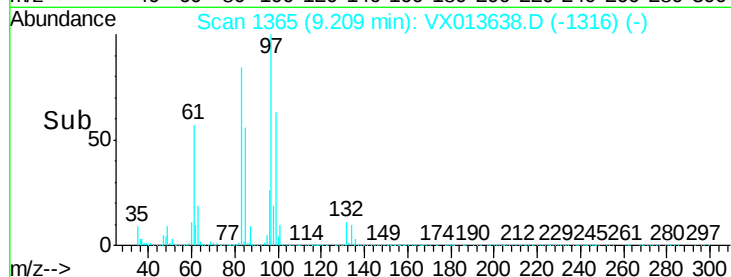
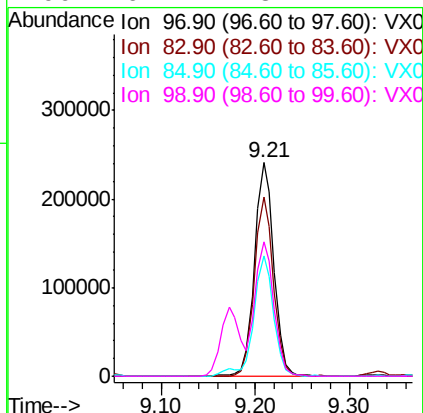
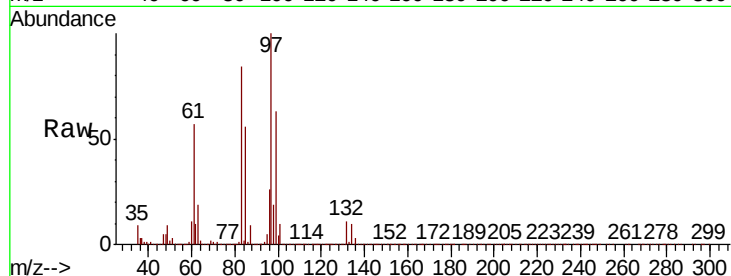




#55
 1,1,2-Trichloroethane
 Concen: 50.036 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

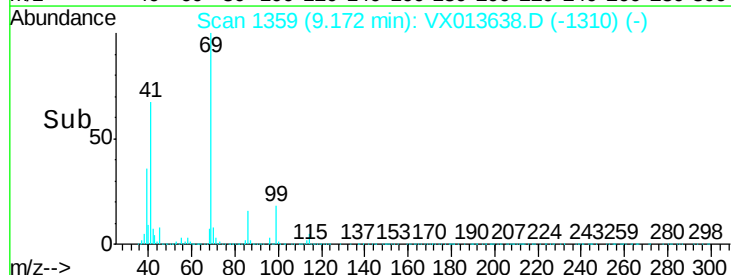
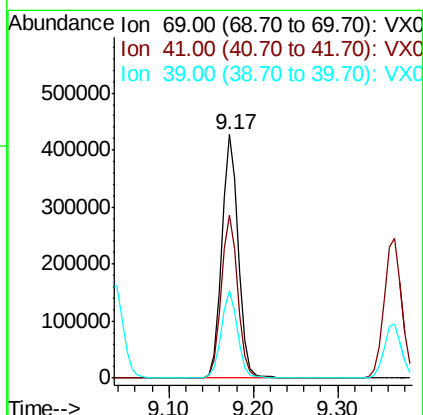
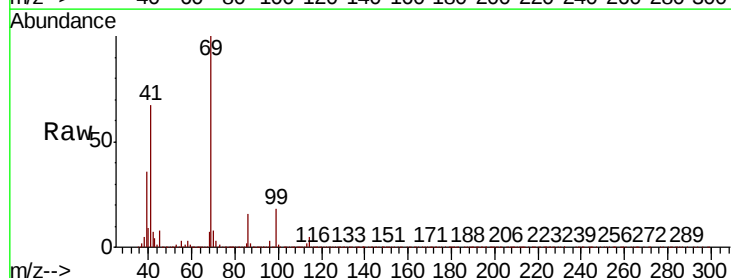
Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20191121MSD

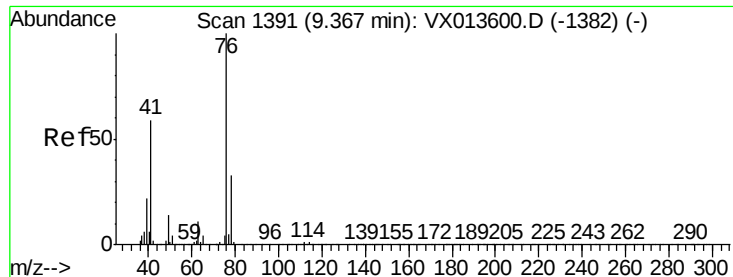
Tot Ion:	97	Resp:	350815
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.3	100.9
85	56.3	43.6	65.4
99	62.7	48.2	72.4



#56
 Ethyl methacrylate
 Concen: 51.356 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Tgt Ion:	69	Resp:	578901
Ion	Ratio	Lower	Upper
69	100		
41	66.8	55.0	82.4
39	35.3	28.7	43.1





#57

1,3-Dichloropropane

Concen: 48.778 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

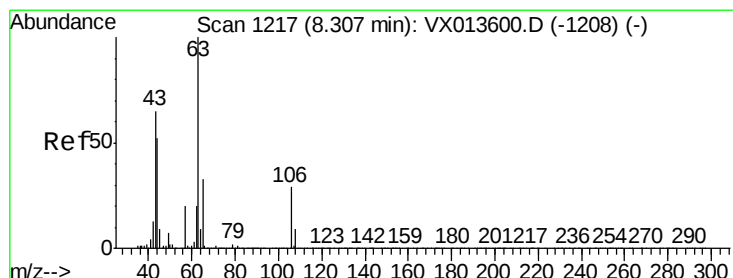
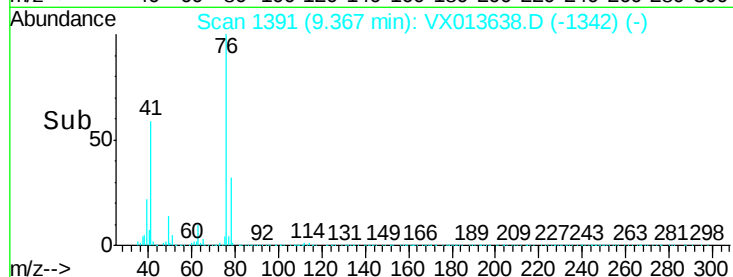
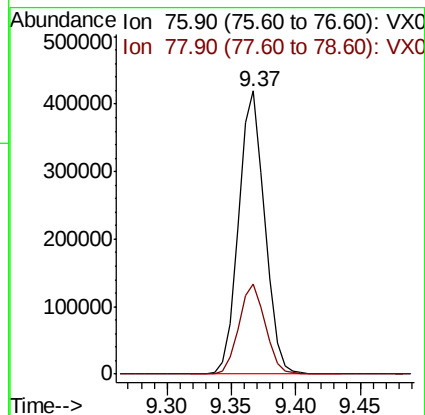
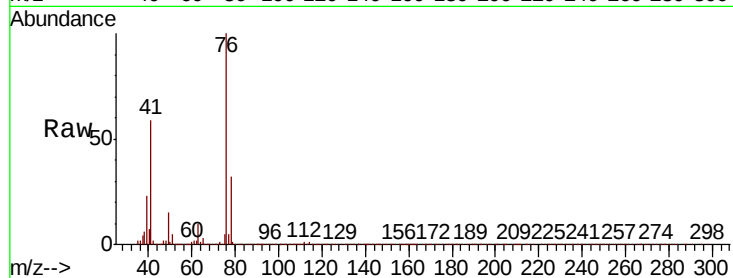
GR-OF-20191121MSD

Tot Ion: 76 Resp: 589487

Ion Ratio Lower Upper

76 100

78 32.2 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 0.355 ug/l

RT: 8.24 min Scan# 1206

Delta R.T. -0.07 min

Lab File: VX013638.D

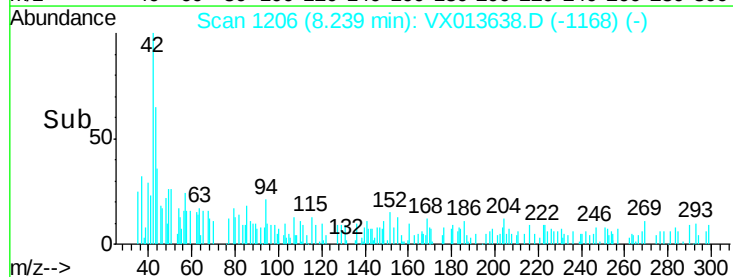
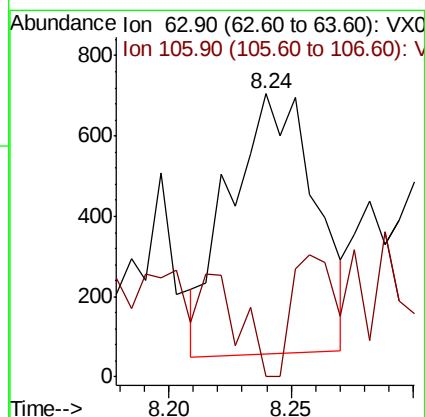
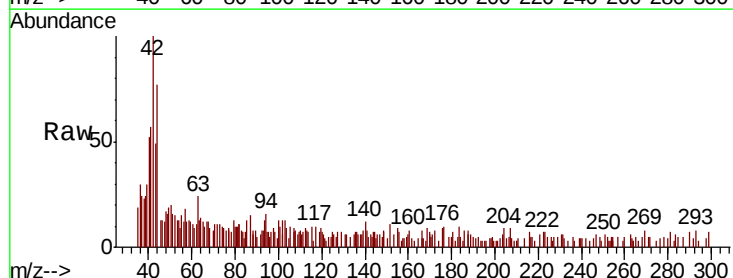
Acq: 27 Nov 2019 07:22

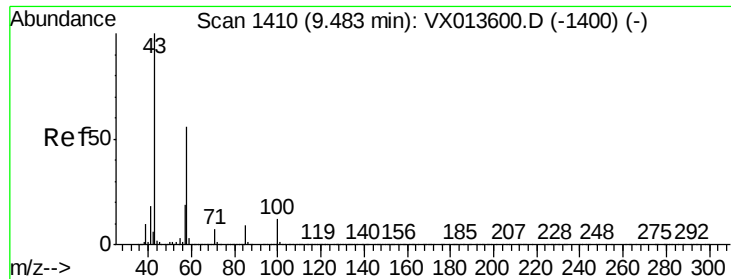
Tgt Ion: 63 Resp: 1567

Ion Ratio Lower Upper

63 100

106 23.5 23.4 35.0

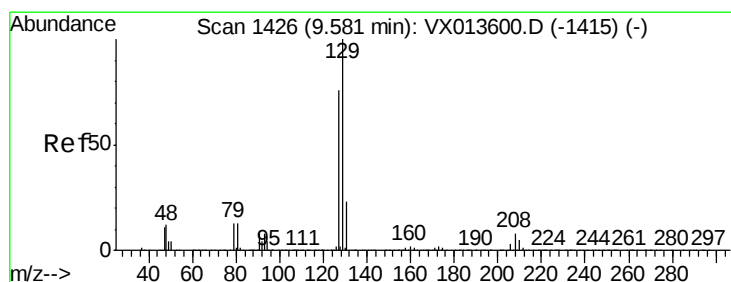
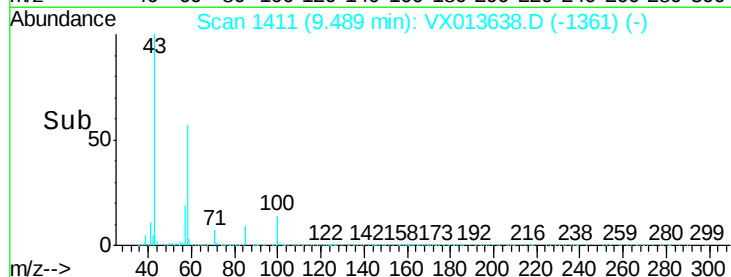
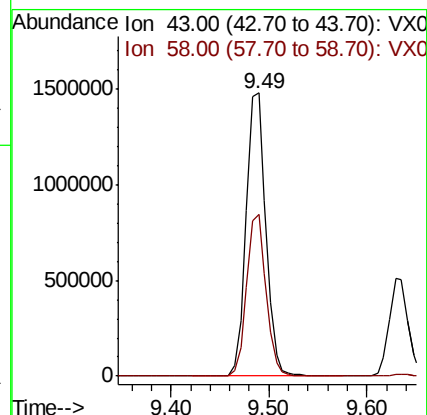
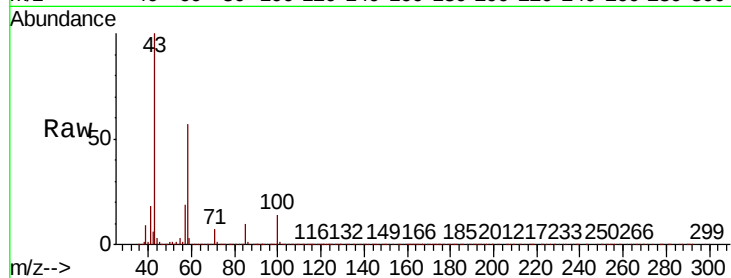




#59
2-Hexanone
Concen: 248.264 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

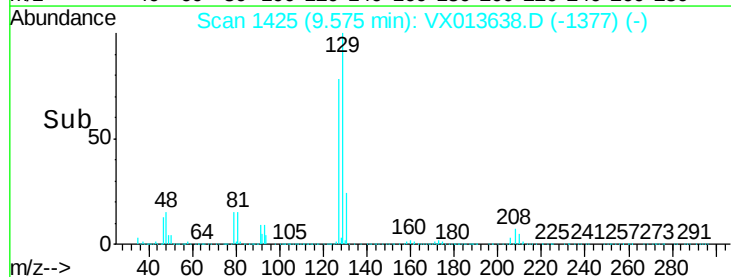
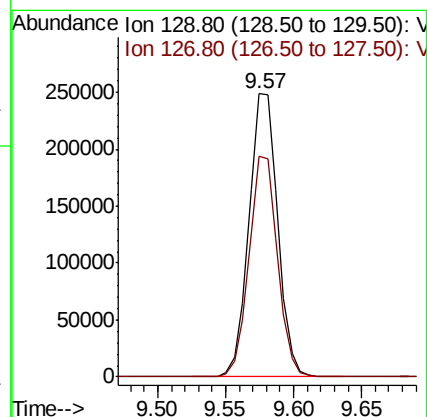
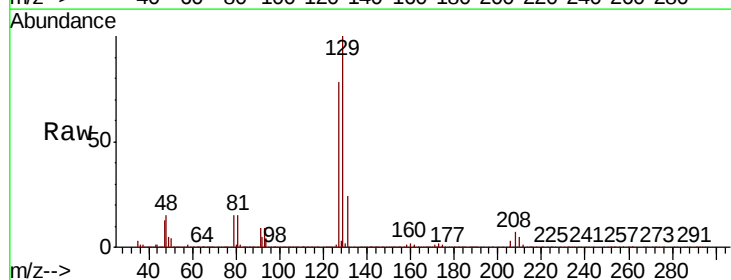
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

Tot Ion: 43 Resp: 2068484
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.4



#60
Dibromochloromethane
Concen: 50.755 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion: 129 Resp: 369307
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.643 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

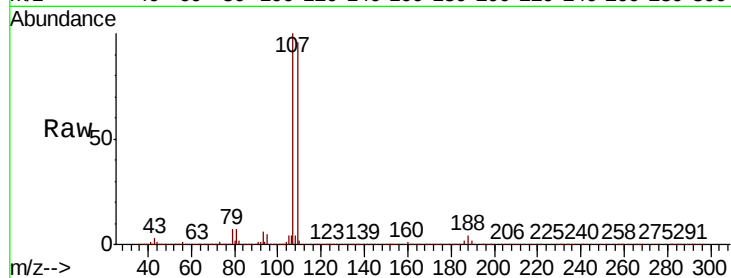
GR-OF-20191121MSD

Tot Ion:107 Resp: 371746

Ion Ratio Lower Upper

107 100

109 94.5 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

250000

200000

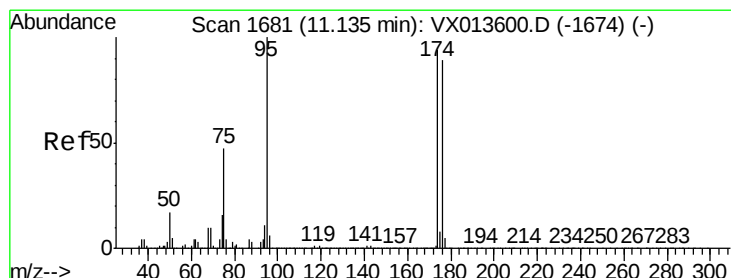
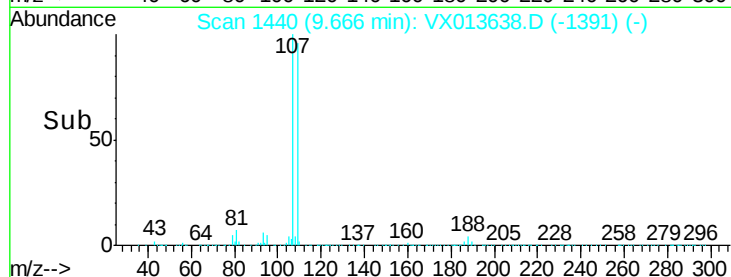
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.673 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

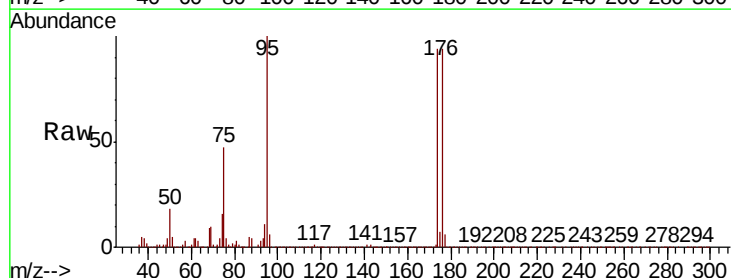
Tgt Ion: 95 Resp: 410646

Ion Ratio Lower Upper

95 100

174 88.5 0.0 180.0

176 88.2 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

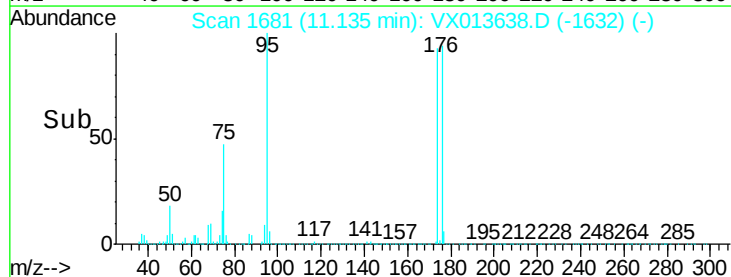
300000

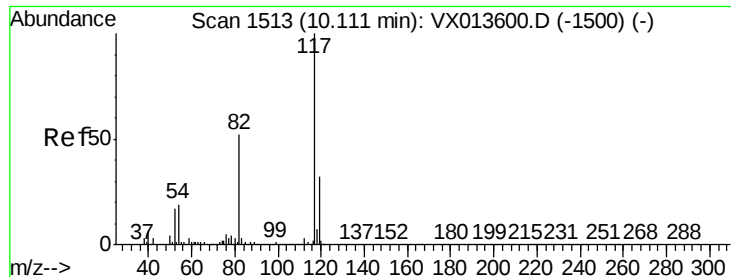
200000

100000

0

Time-->

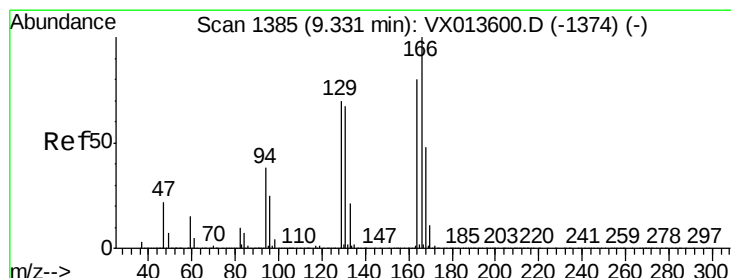
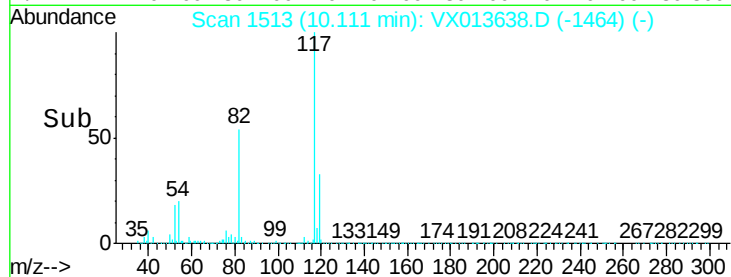
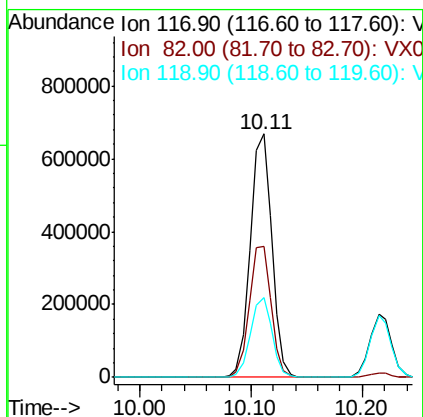
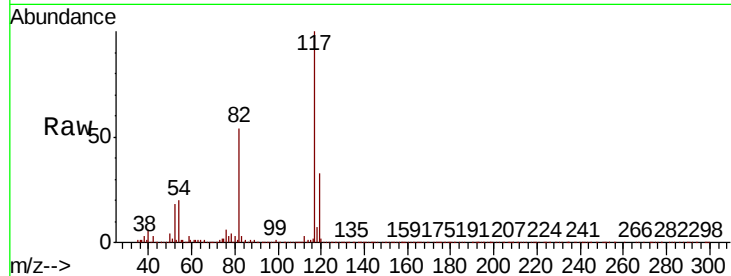




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

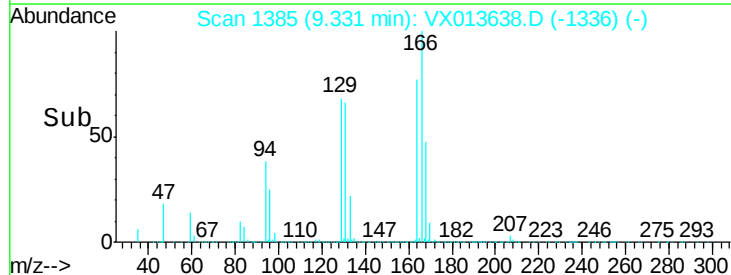
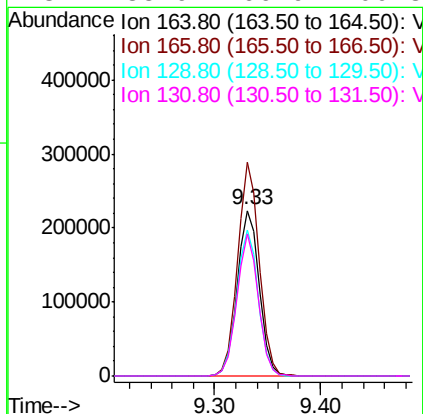
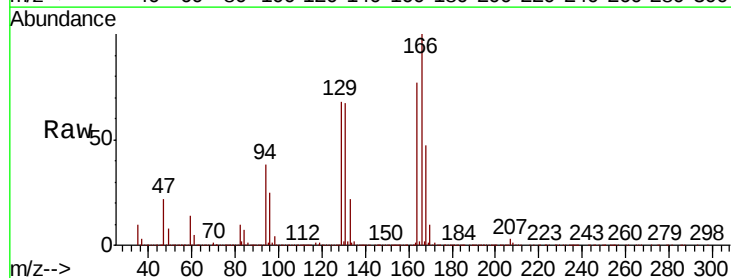
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

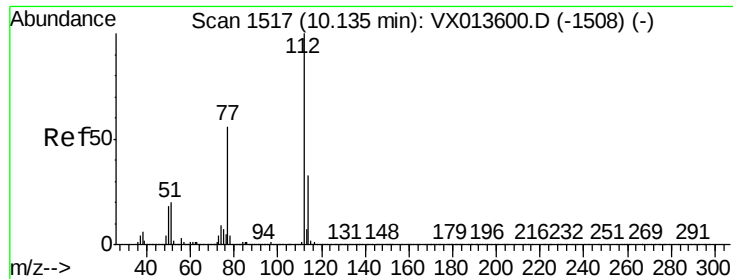
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	41.8	62.8
119	32.9	25.8	38.8



#64
Tetrachloroethene
Concen: 48.103 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	99.7	149.5
129	88.4	70.1	105.1
131	85.9	66.9	100.3

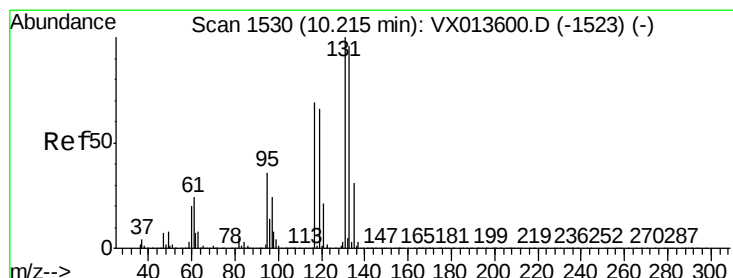
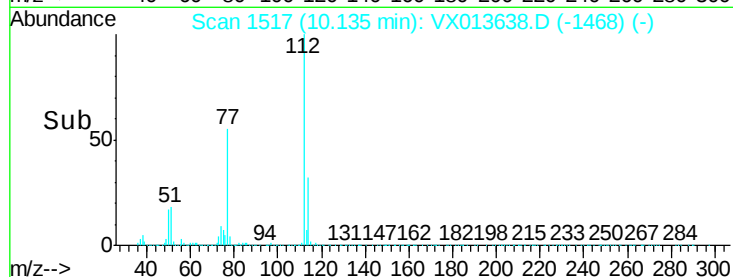
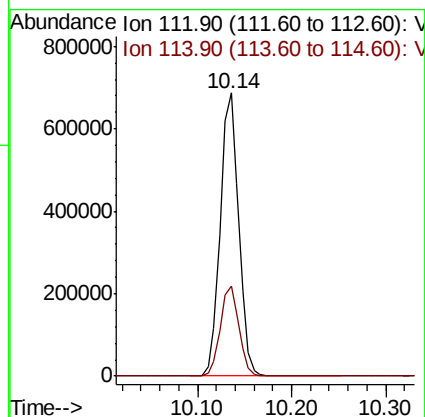
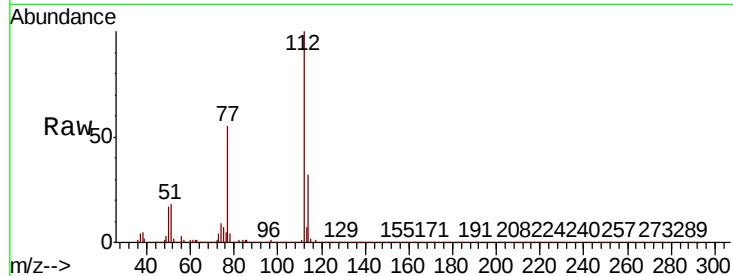




#65
Chlorobenzene
Concen: 49.809 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

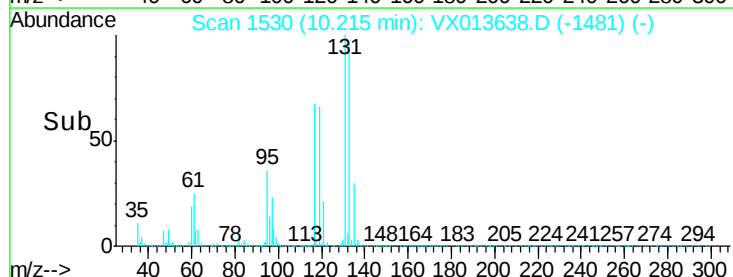
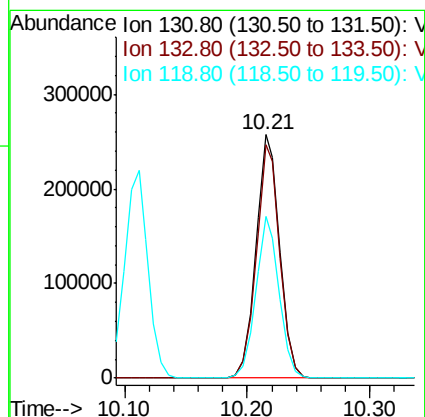
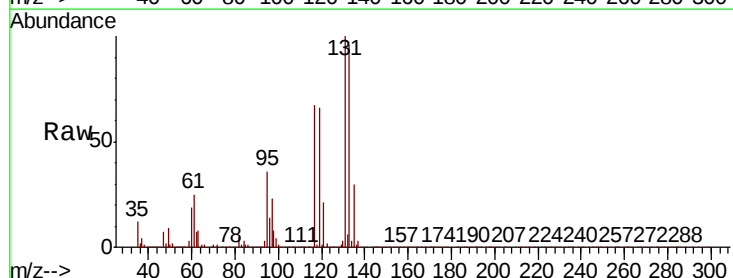
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

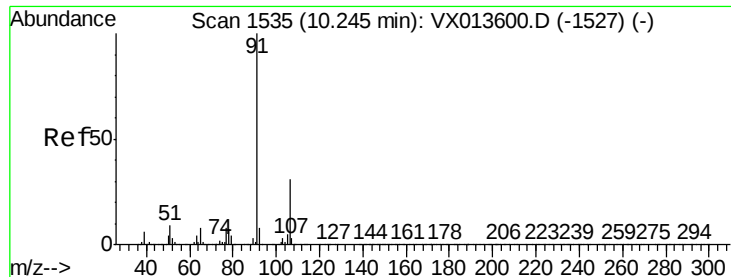
Tot Ion:112 Resp: 931487
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 51.430 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion:131 Resp: 345372
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 65.9 32.9 98.6





#67

Ethyl Benzene

Concen: 50.840 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

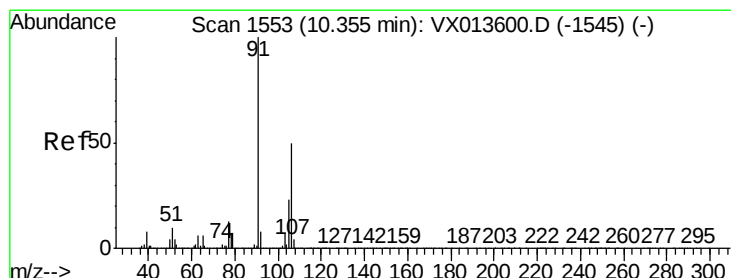
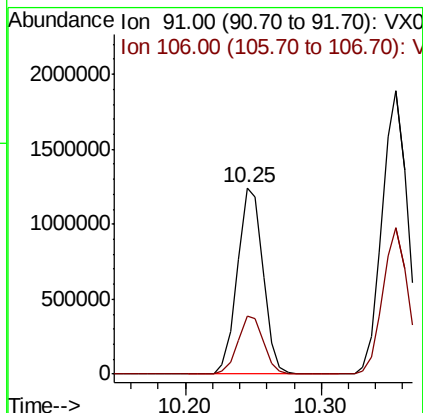
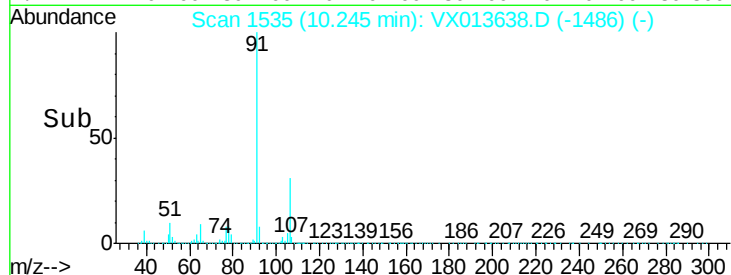
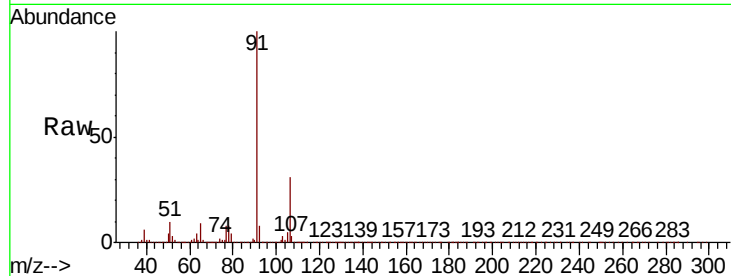
GR-OF-20191121MSD

Tot Ion: 91 Resp: 1633765

Ion Ratio Lower Upper

91 100

106 31.3 24.5 36.7



#68

m/p-Xylenes

Concen: 102.177 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013638.D

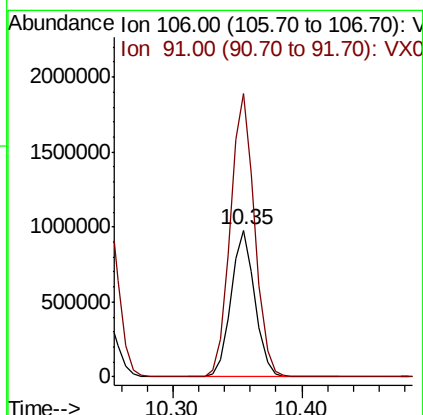
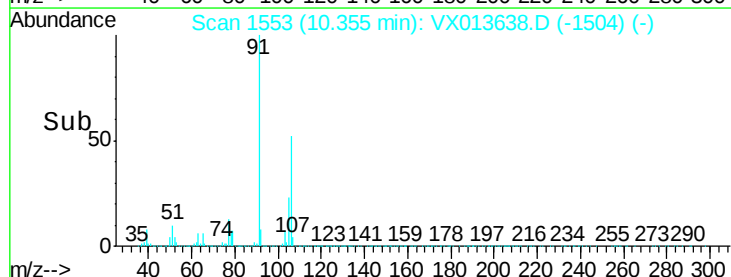
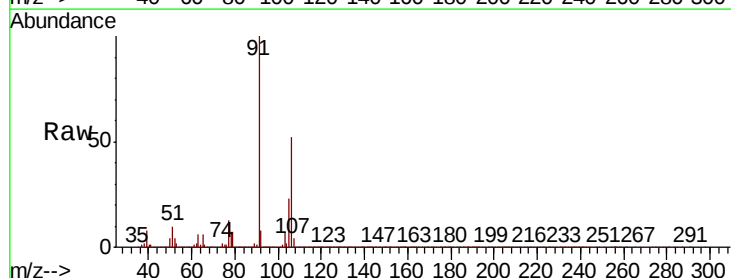
Acq: 27 Nov 2019 07:22

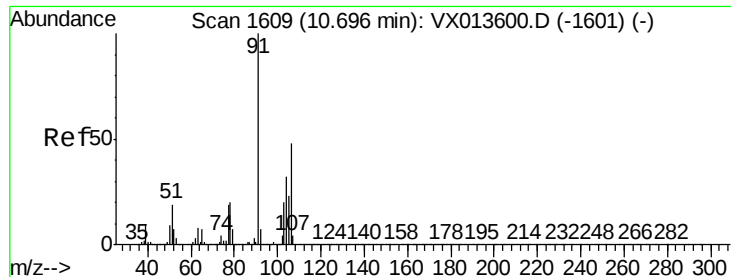
Tgt Ion: 106 Resp: 1257122

Ion Ratio Lower Upper

106 100

91 197.4 159.0 238.4

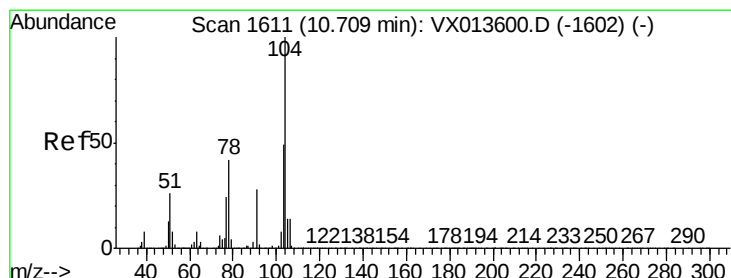
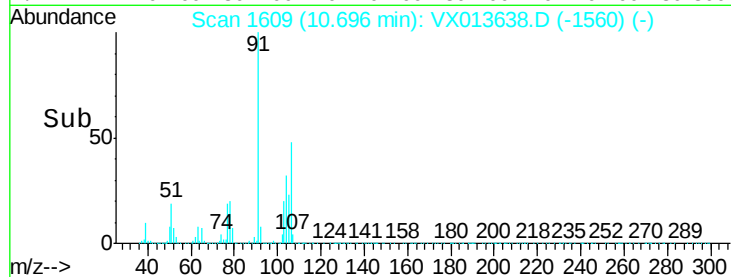
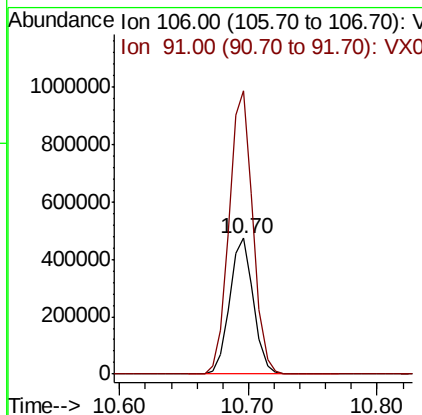
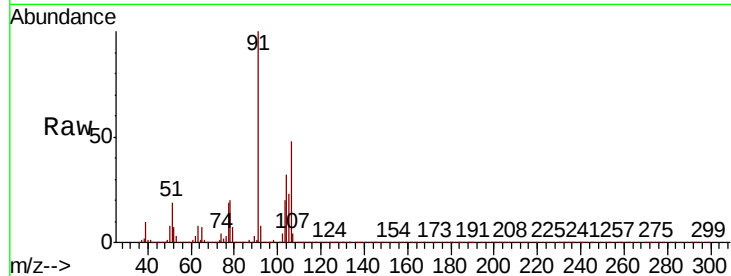




#69
o-Xylene
Concen: 50.741 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

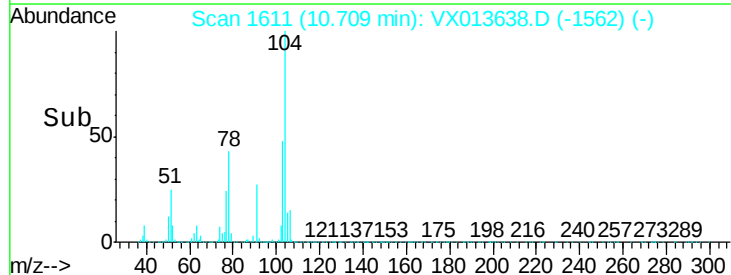
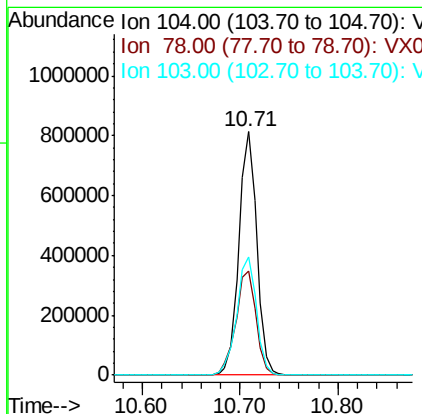
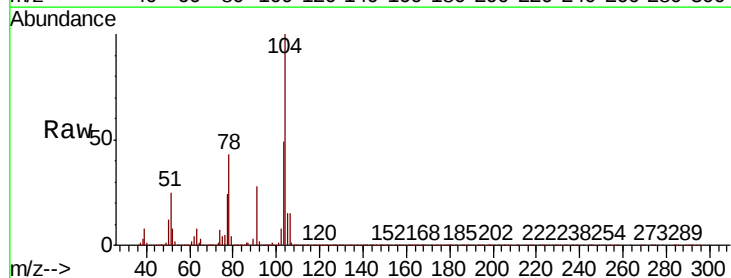
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

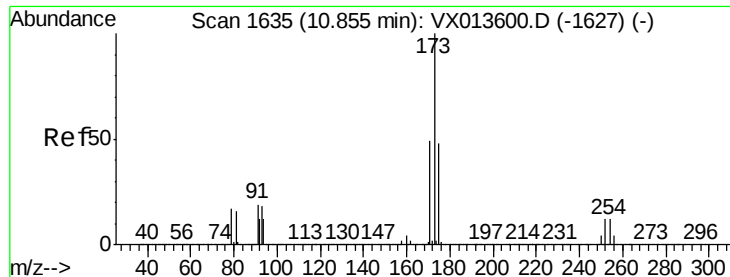
Tot Ion:106 Resp: 608862
Ion Ratio Lower Upper
106 100
91 209.0 104.1 312.2



#70
Styrene
Concen: 51.176 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion:104 Resp: 1032979
Ion Ratio Lower Upper
104 100
78 48.4 38.5 57.7
103 53.6 43.7 65.5





#71

Bromoform

Concen: 51.908 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20191121MSD

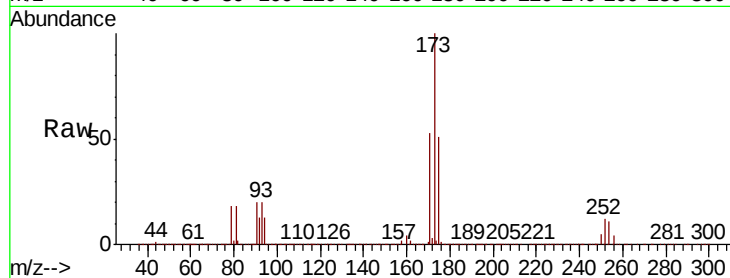
Tot Ion:173 Resp: 288424

Ion Ratio Lower Upper

173 100

175 49.2 24.3 72.8

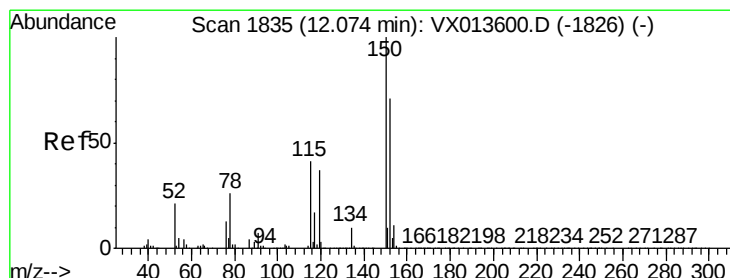
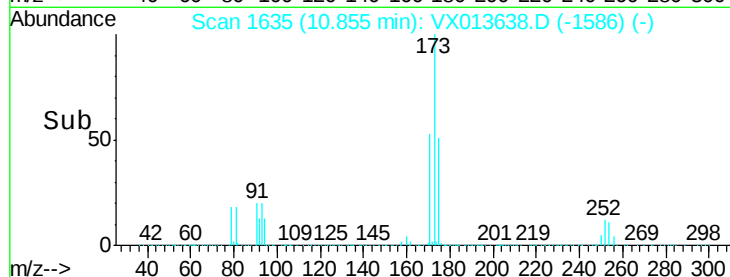
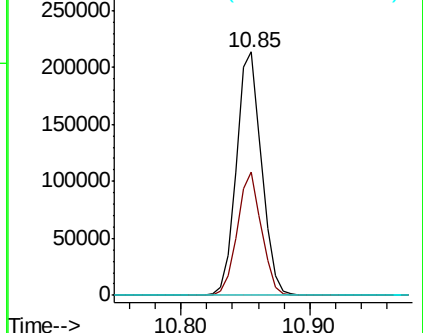
254 0.2 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

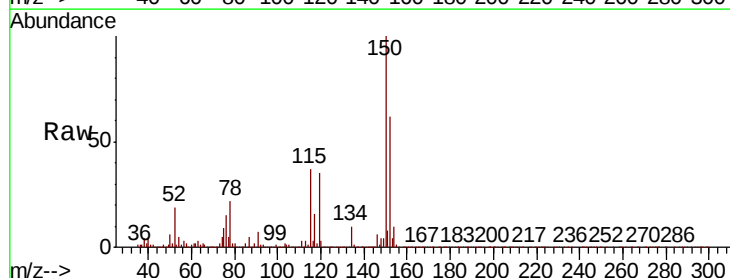
Tgt Ion:152 Resp: 442407

Ion Ratio Lower Upper

152 100

115 77.7 38.4 115.1

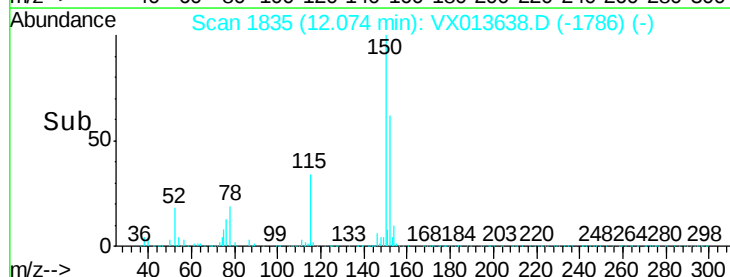
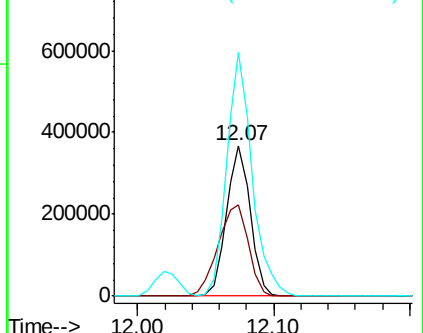
150 173.9 0.0 346.8

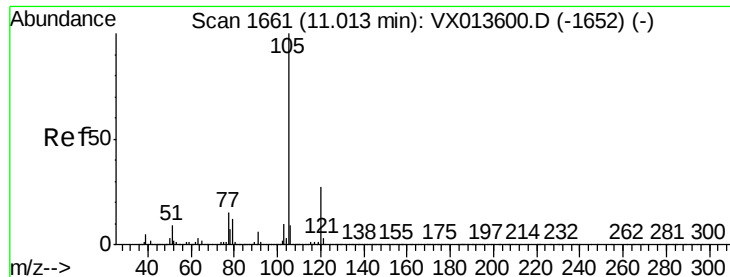


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.940 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

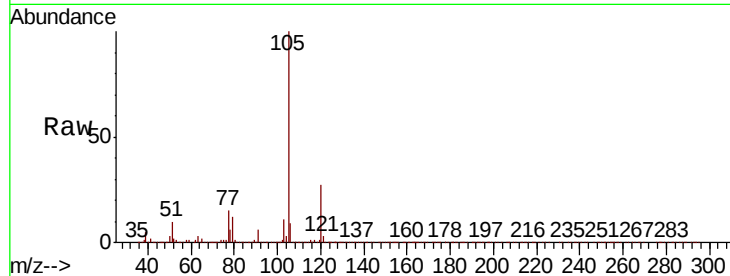
GR-OF-20191121MSD

Tot Ion:105 Resp: 1580835

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

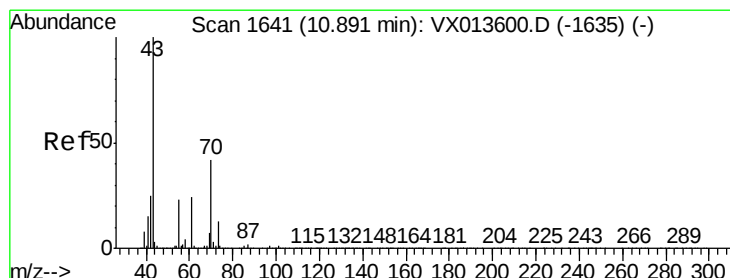
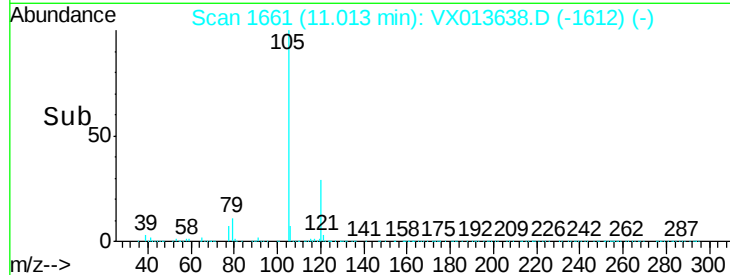
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 48.292 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Tgt Ion: 43 Resp: 686515

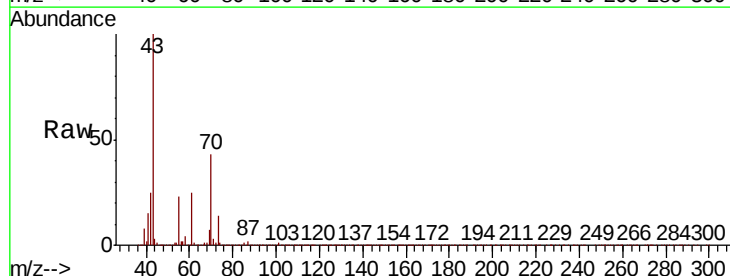
Ion Ratio Lower Upper

43 100

70 43.7 34.3 51.5

55 24.1 18.5 27.7

61 24.7 19.8 29.8



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

800000

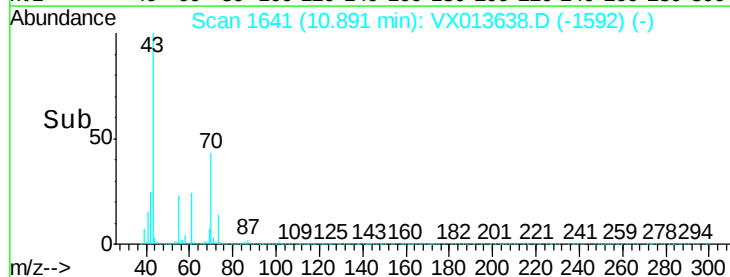
600000

400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.808 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20191121MSD

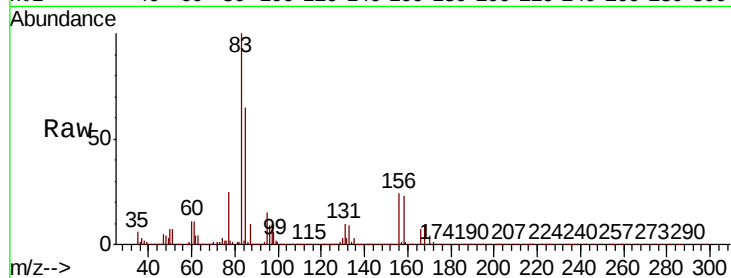
Tot Ion: 83 Resp: 557560

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.3

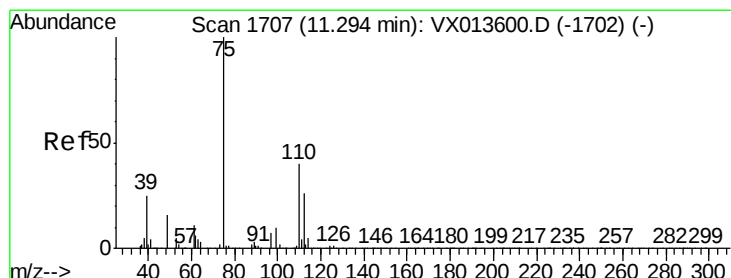
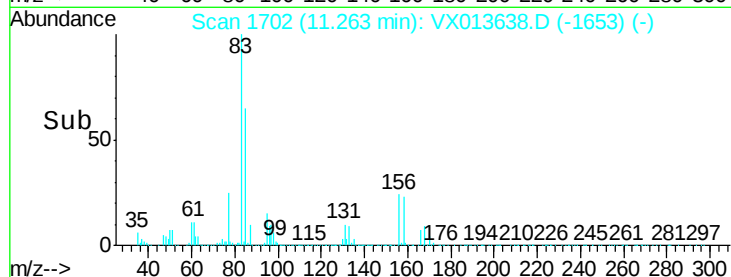
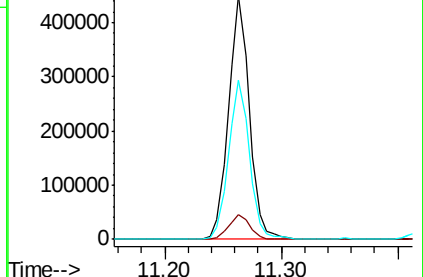
85 65.5 31.8 95.3



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: 61.519 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX013638.D

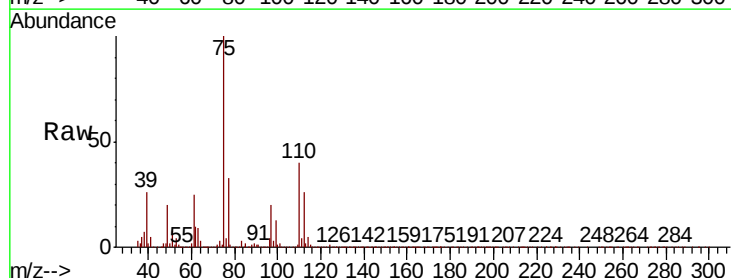
Acq: 27 Nov 2019 07:22

Tgt Ion: 75 Resp: 612149

Ion Ratio Lower Upper

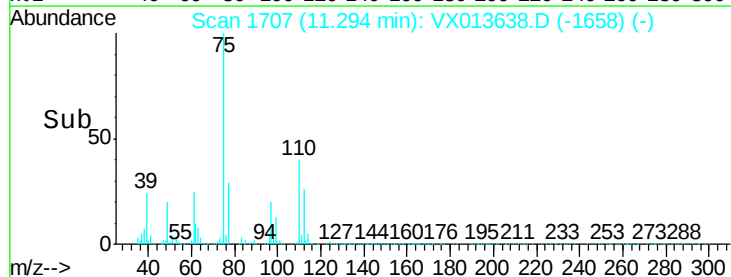
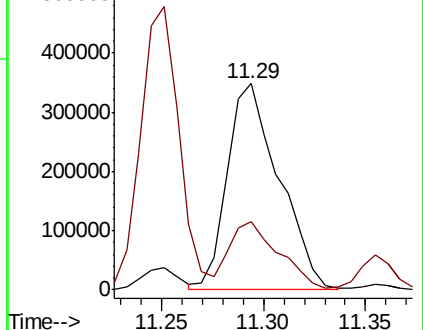
75 100

77 31.3 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.911 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20191121MSD

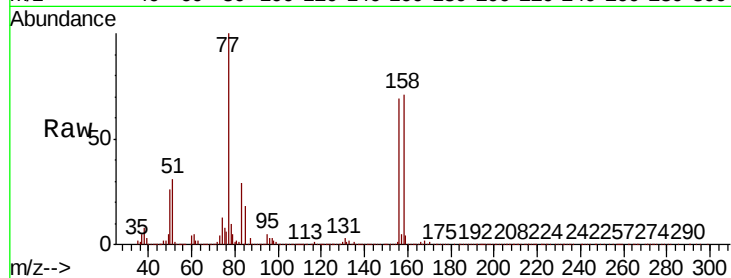
Tot Ion:156 Resp: 418440

Ion Ratio Lower Upper

156 100

77 149.3 74.4 223.1

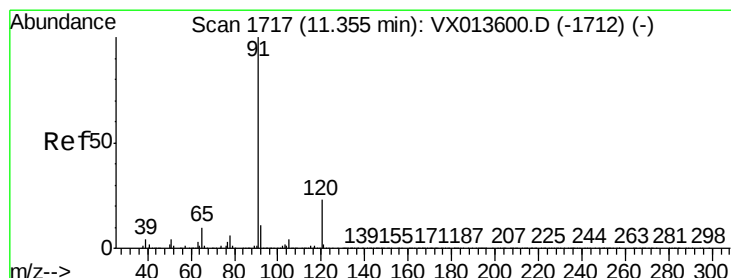
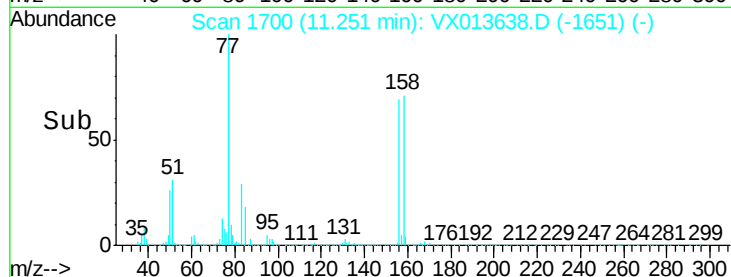
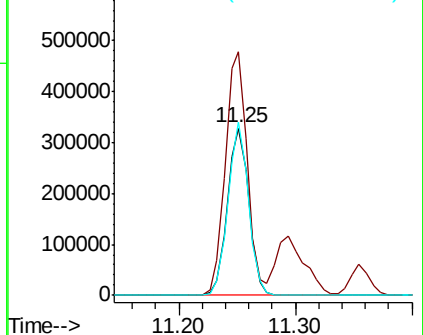
158 98.9 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.866 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013638.D

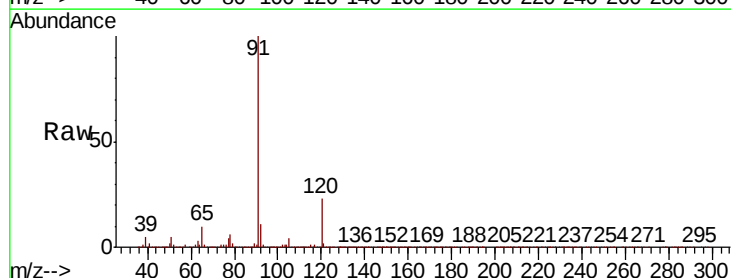
Acq: 27 Nov 2019 07:22

Tgt Ion: 91 Resp: 1762131

Ion Ratio Lower Upper

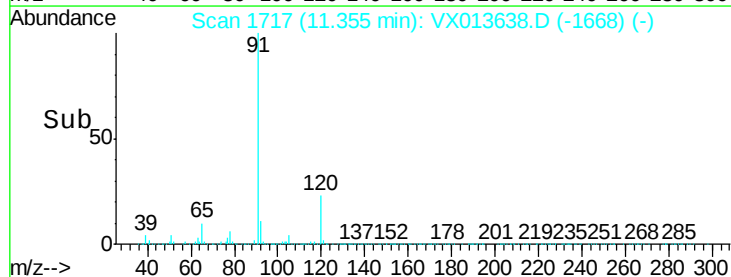
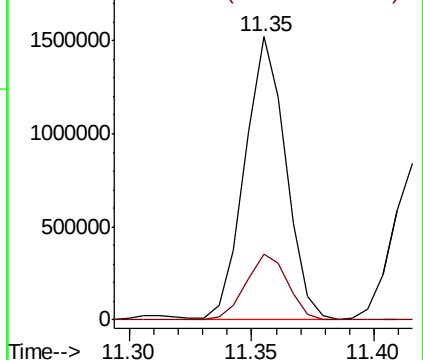
91 100

120 23.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.430 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

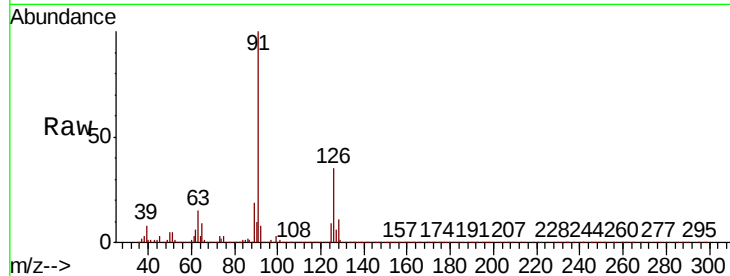
GR-OF-20191121MSD

Tot Ion: 91 Resp: 1047987

Ion Ratio Lower Upper

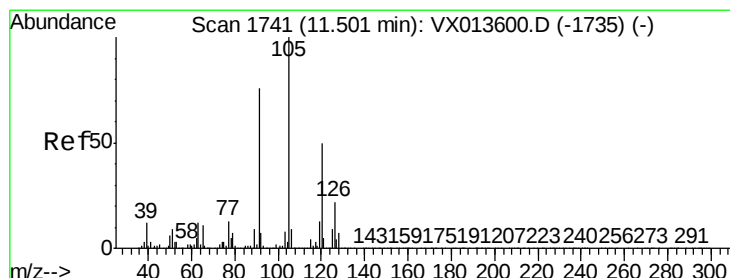
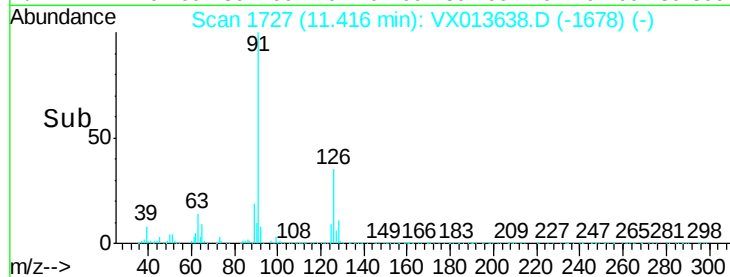
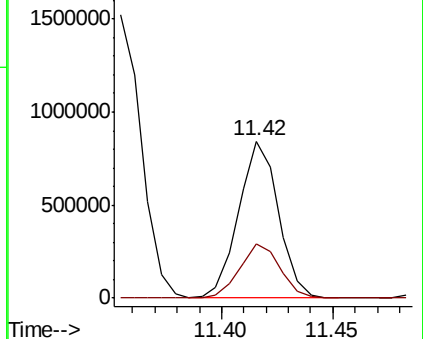
91 100

126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.671 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013638.D

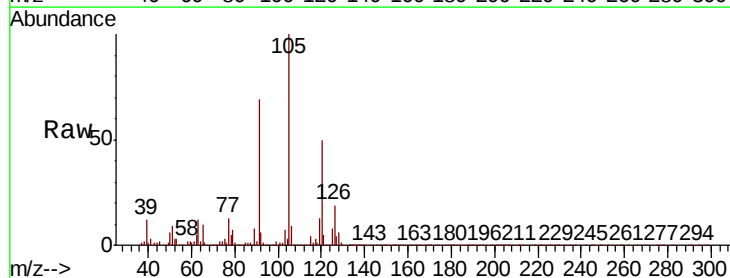
Acq: 27 Nov 2019 07:22

Tgt Ion:105 Resp: 1314216

Ion Ratio Lower Upper

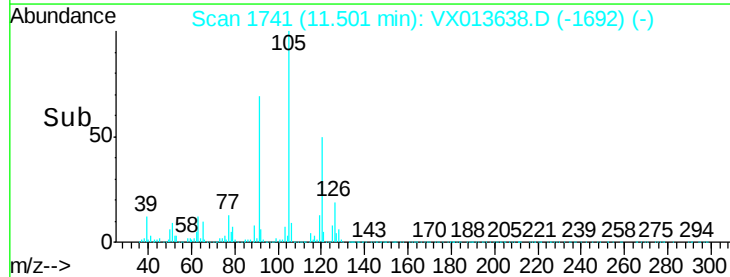
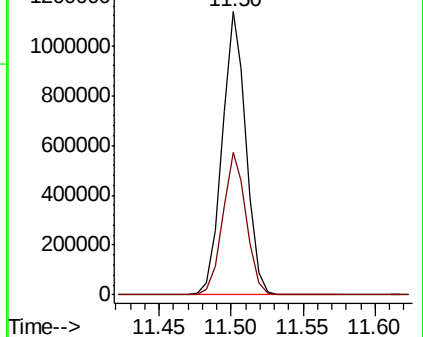
105 100

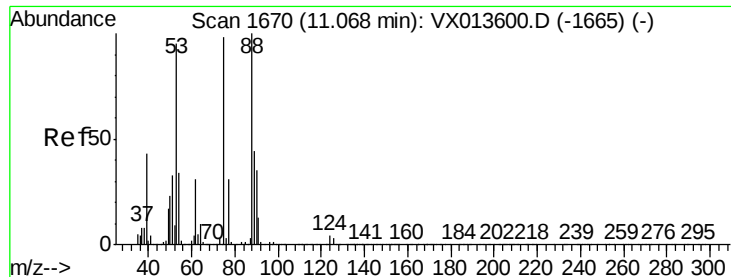
120 49.9 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

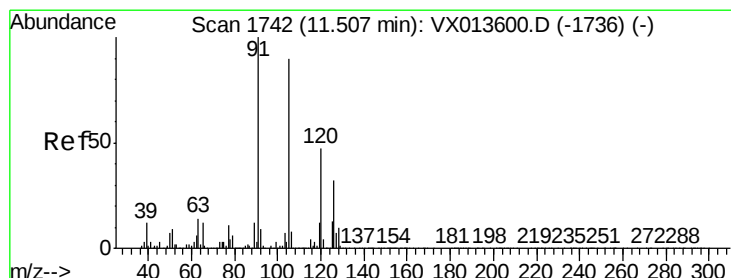
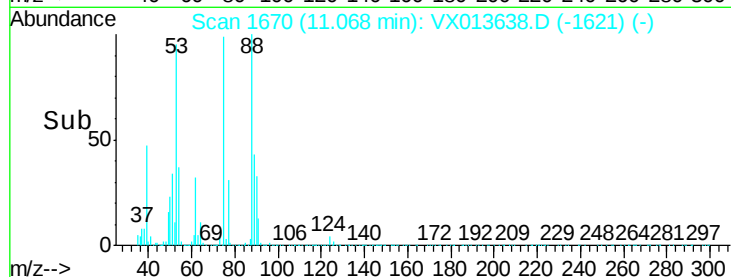
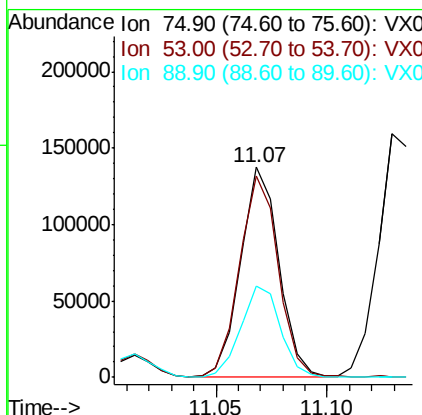
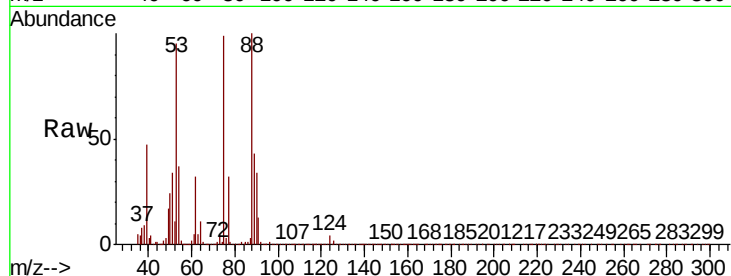




#81
trans-1,4-Dichloro-2-butene
Concen: 45.288 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

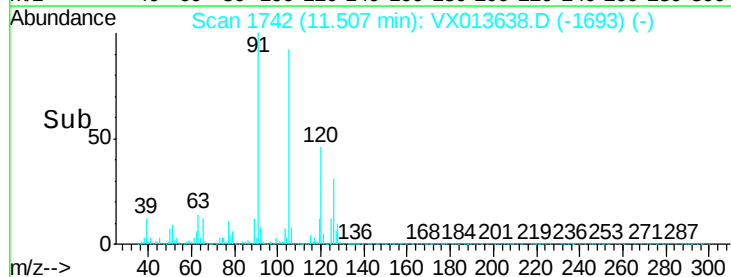
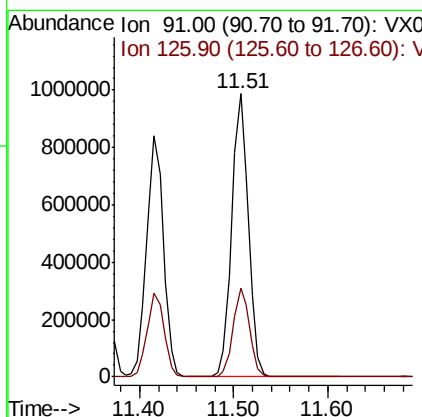
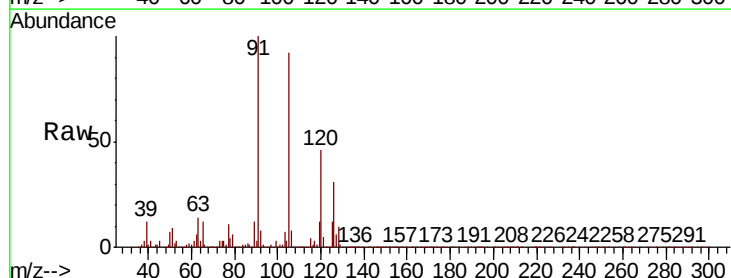
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

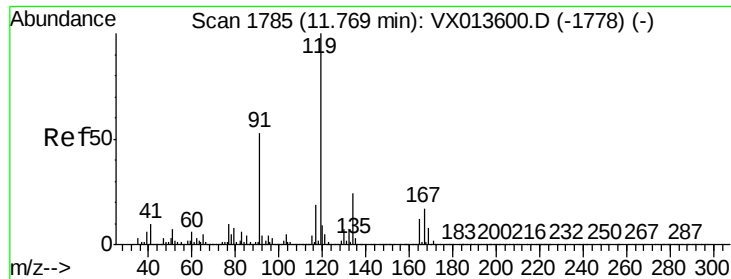
Tot Ion: 75 Resp: 164718
Ion Ratio Lower Upper
75 100
53 96.6 78.2 117.2
89 45.5 35.4 53.2



#82
4-Chlorotoluene
Concen: 50.324 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion: 91 Resp: 1211239
Ion Ratio Lower Upper
91 100
126 30.8 15.7 47.0

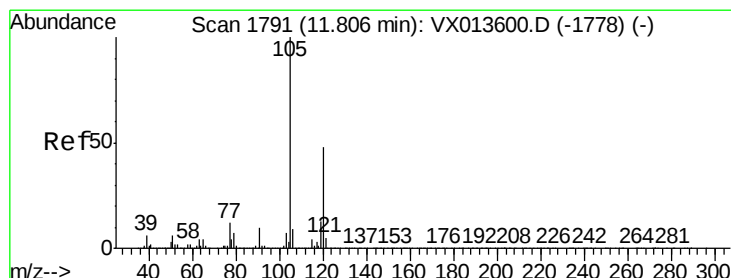
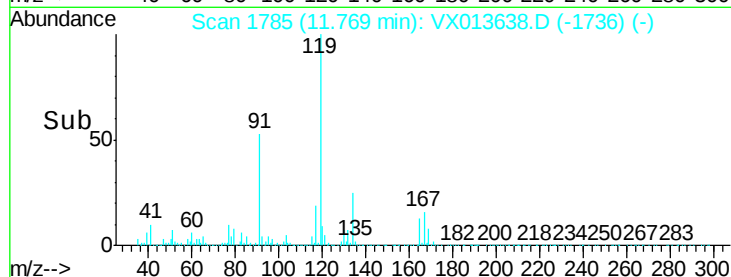
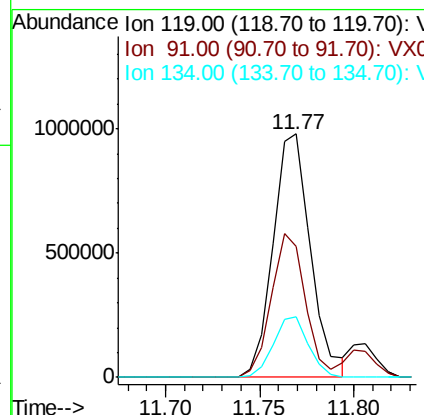
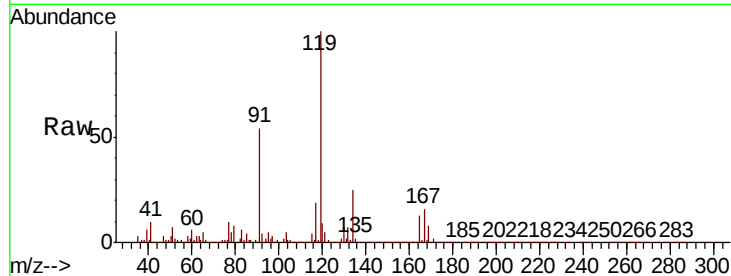




#83
 tert-Butylbenzene
 Concen: 52.190 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

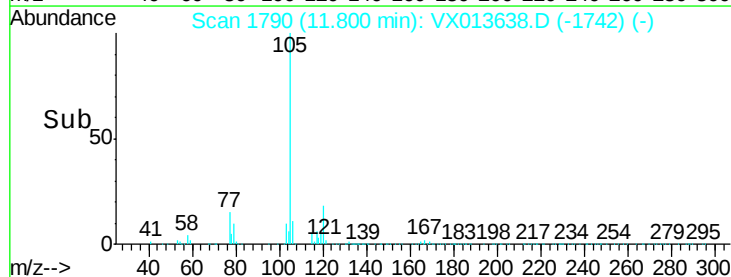
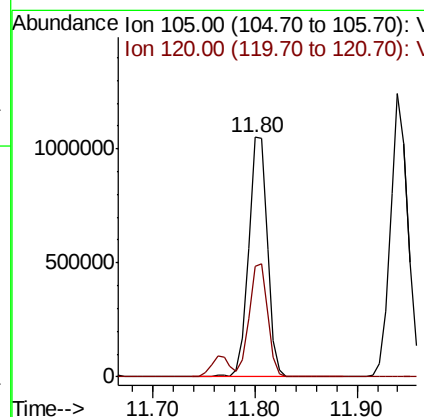
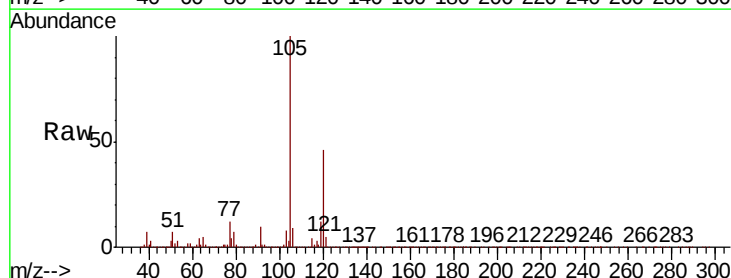
Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20191121MSD

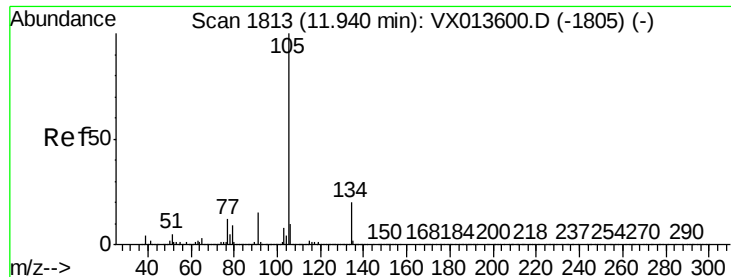
Tot Ion:119 Resp: 1349054
 Ion Ratio Lower Upper
 119 100
 91 53.8 27.2 81.6
 134 23.3 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.542 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Tgt Ion:105 Resp: 1330474
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.3





#85

sec-Butylbenzene

Concen: 50.608 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

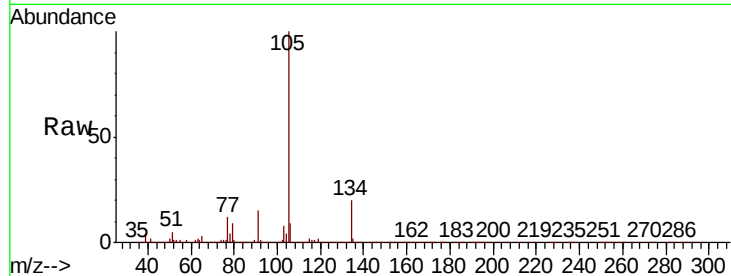
GR-OF-20191121MSD

Tot Ion:105 Resp: 1494194

Ion Ratio Lower Upper

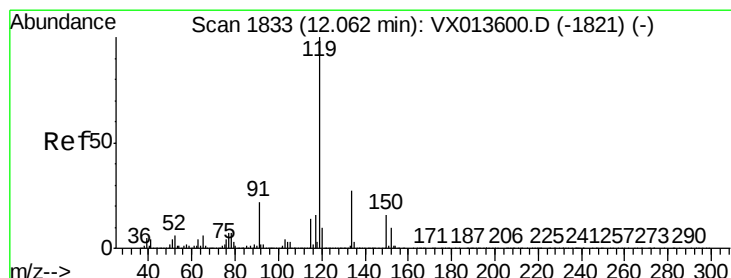
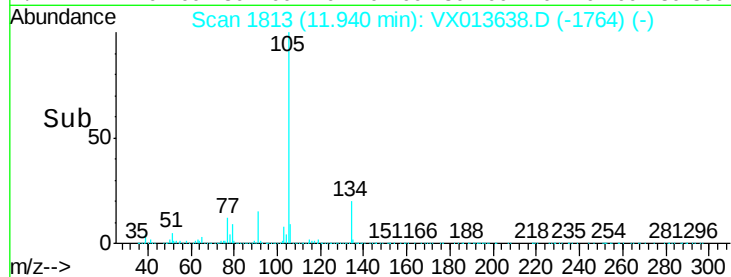
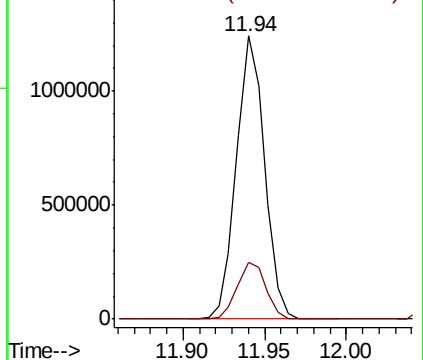
105 100

134 20.7 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.164 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

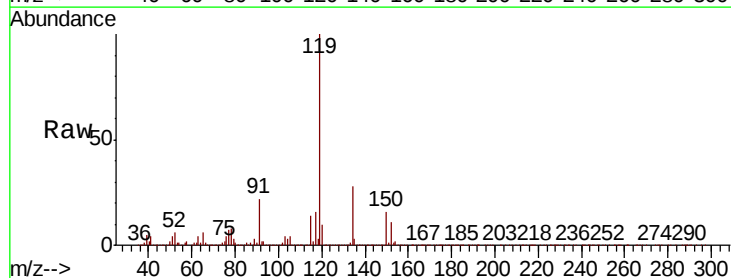
Tgt Ion:119 Resp: 1377847

Ion Ratio Lower Upper

119 100

134 27.5 13.3 39.9

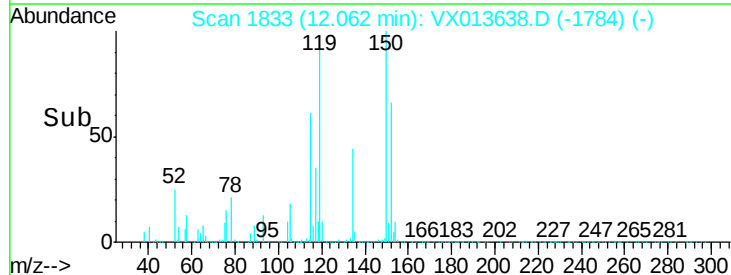
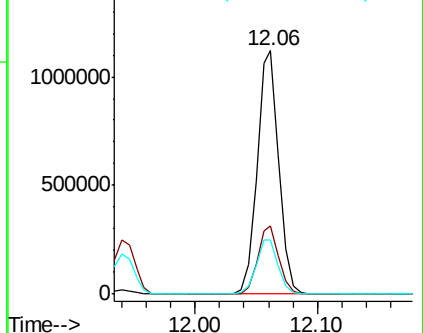
91 22.5 11.3 33.8

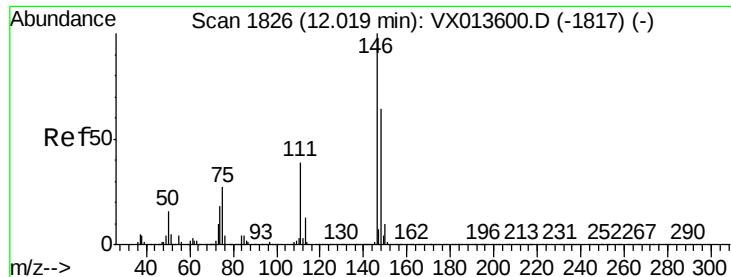


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

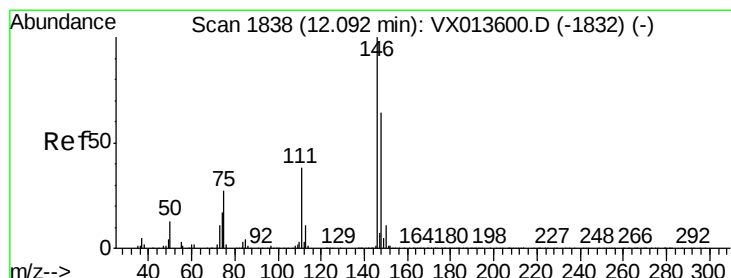
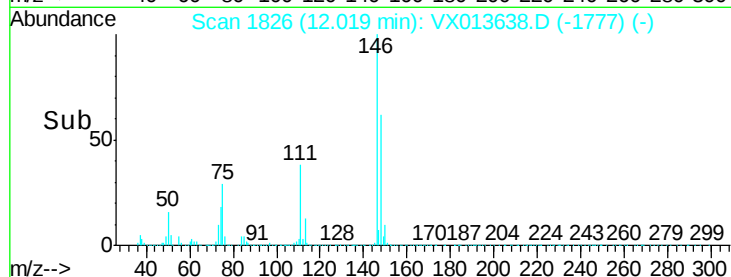
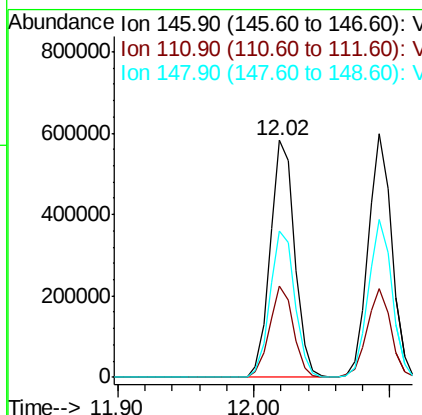
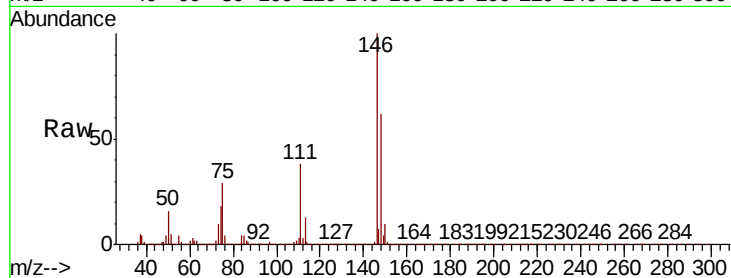




#87
 1,3-Dichlorobenzene
 Concen: 50.051 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

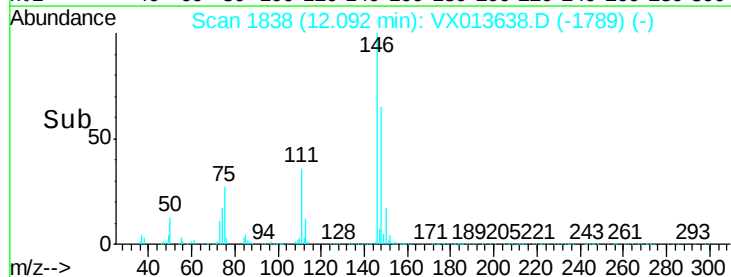
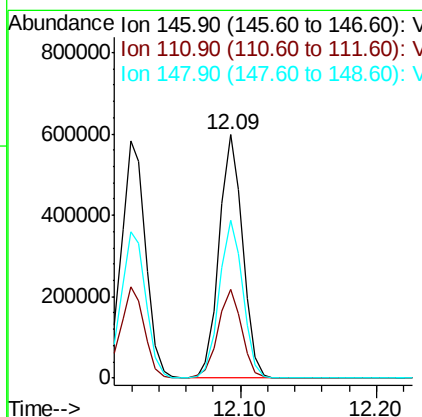
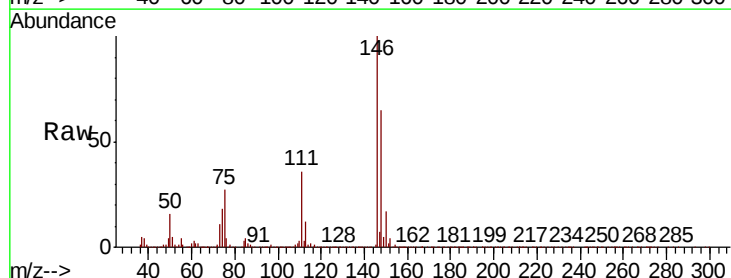
Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20191121MSD

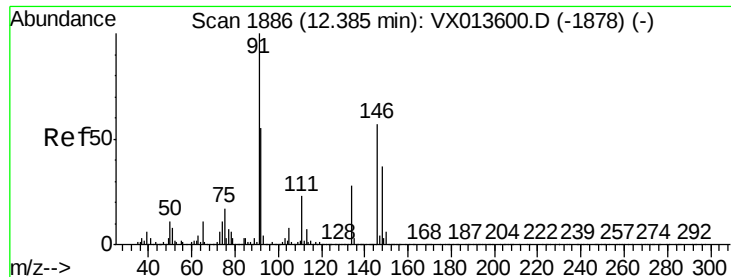
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.0	57.0
148	62.8	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.140 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.9
148	64.6	31.9	95.5

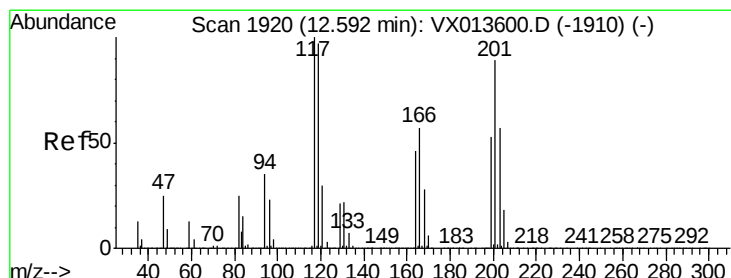
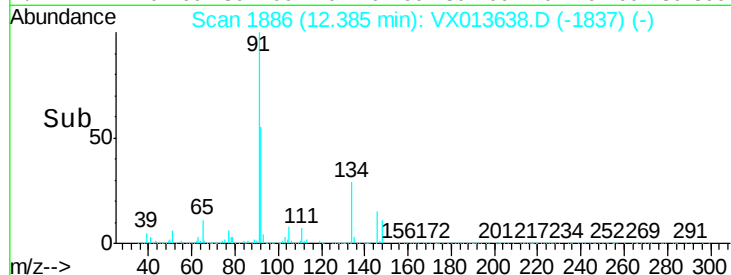
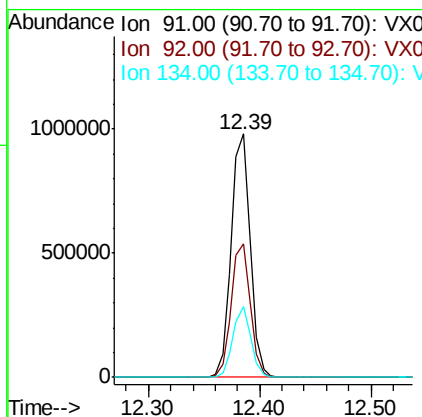
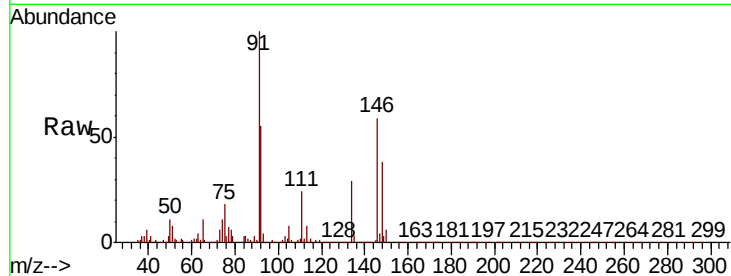




#89
n-Butylbenzene
Concen: 49.360 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

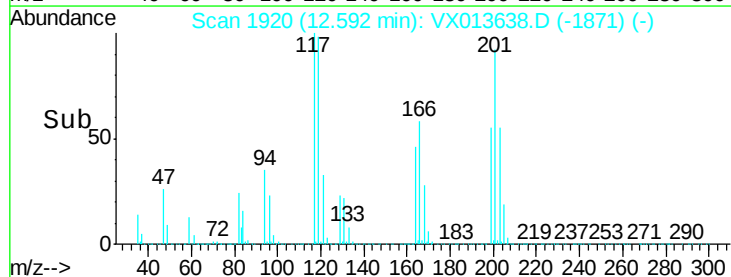
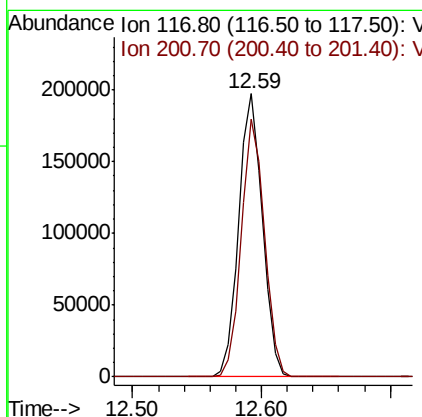
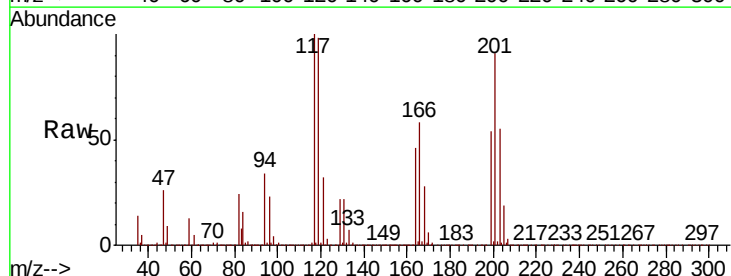
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

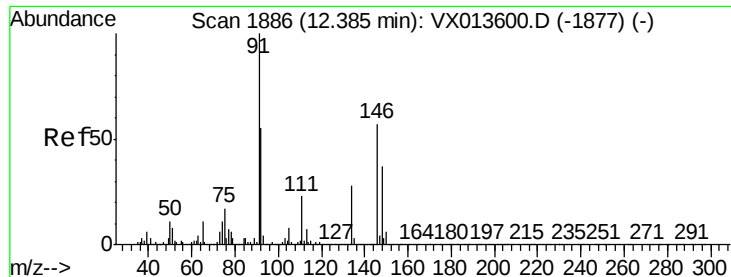
Tot Ion: 91 Resp: 1156335
Ion Ratio Lower Upper
91 100
92 55.1 27.4 82.2
134 27.6 13.5 40.4



#90
Hexachloroethane
Concen: 50.678 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion: 117 Resp: 251602
Ion Ratio Lower Upper
117 100
201 88.8 44.1 132.4





#91

1,2-Dichlorobenzene

Concen: 50.442 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20191121MSD

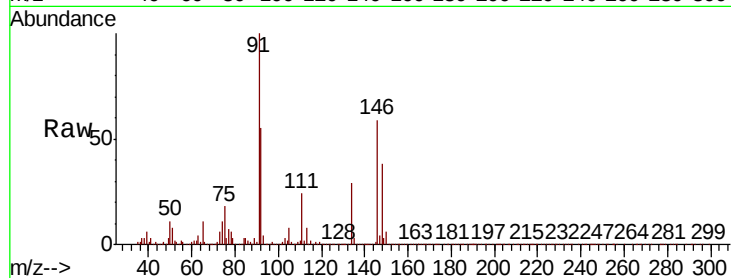
Tot Ion:146 Resp: 728344

Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.7

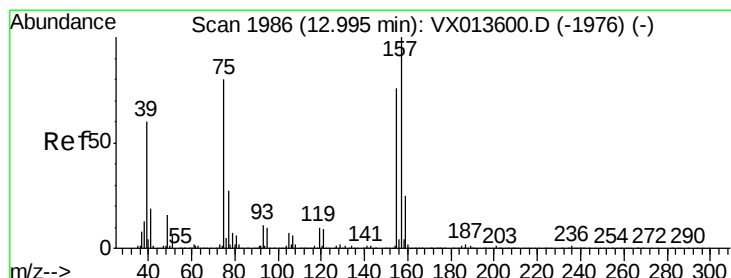
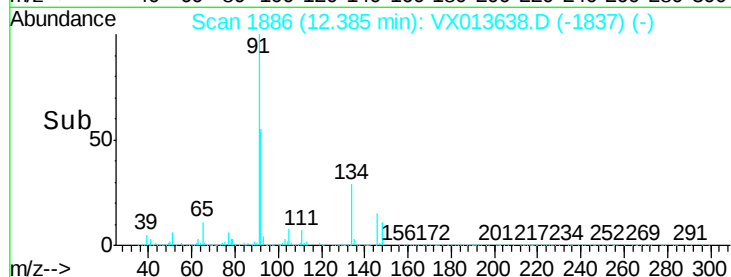
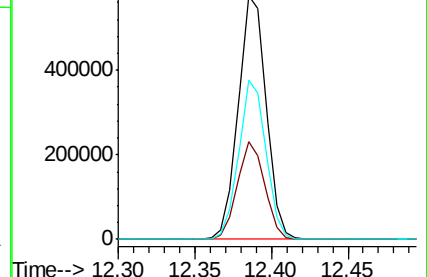
148 63.9 31.9 95.7



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: 52.674 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

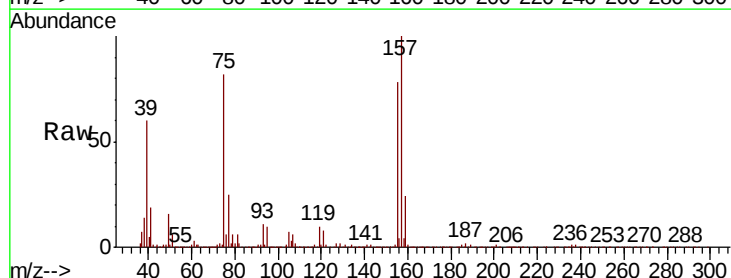
Tgt Ion: 75 Resp: 123447

Ion Ratio Lower Upper

75 100

155 96.2 47.6 142.8

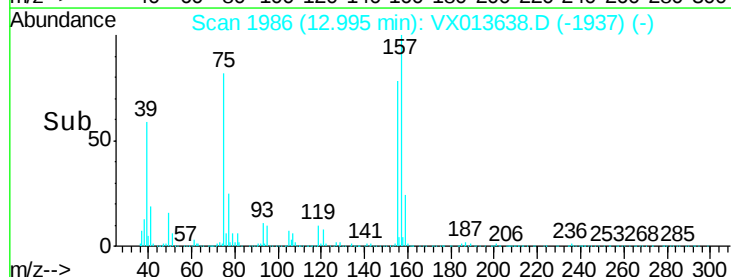
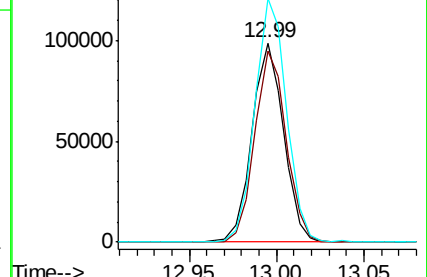
157 123.2 62.1 186.2

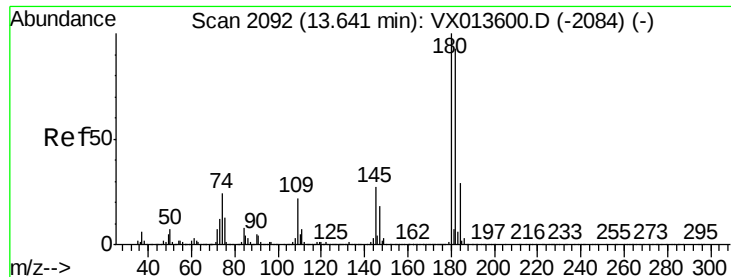


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

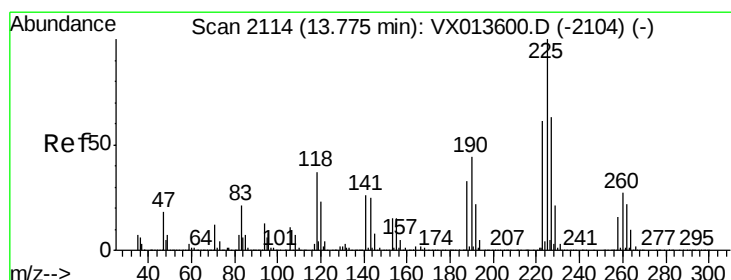
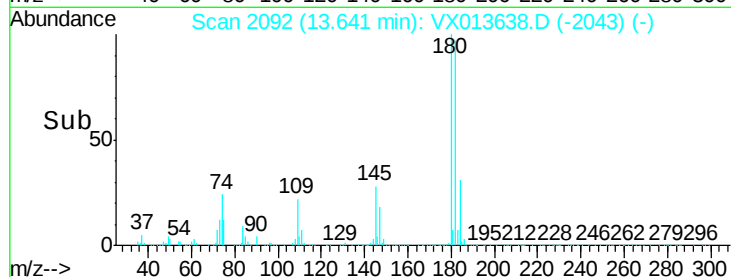
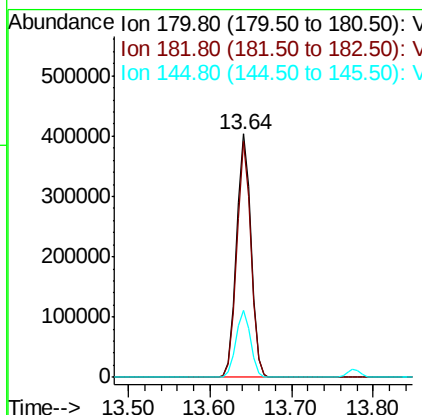
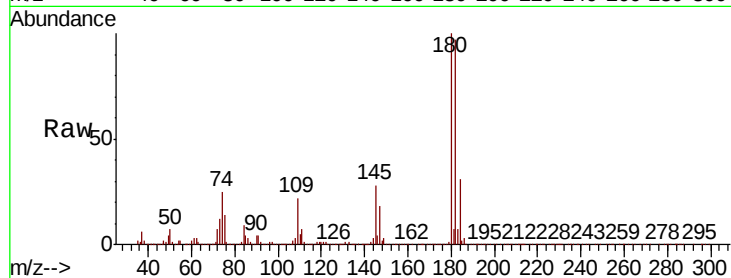




#93
1,2,4-Trichlorobenzene
Concen: 48.229 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

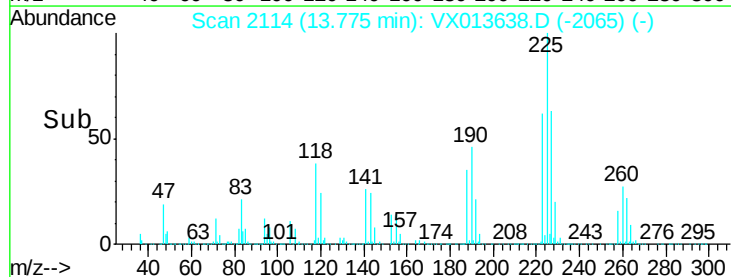
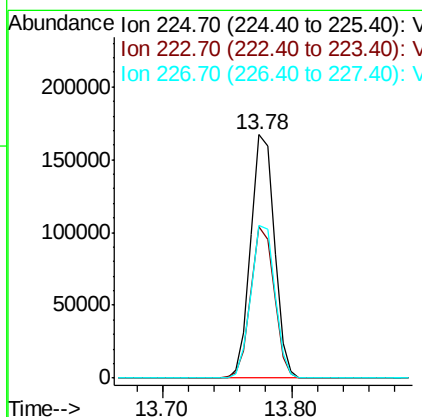
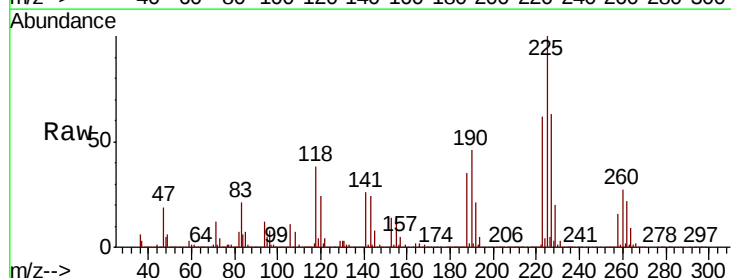
Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

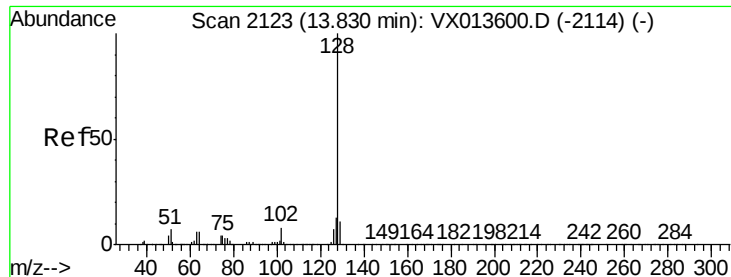
Tot Ion:180 Resp: 485337
Ion Ratio Lower Upper
180 100
182 93.9 47.2 141.6
145 27.6 13.8 41.4



#94
Hexachlorobutadiene
Concen: 43.727 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion:225 Resp: 211382
Ion Ratio Lower Upper
225 100
223 61.5 31.9 95.5
227 63.4 32.1 96.3

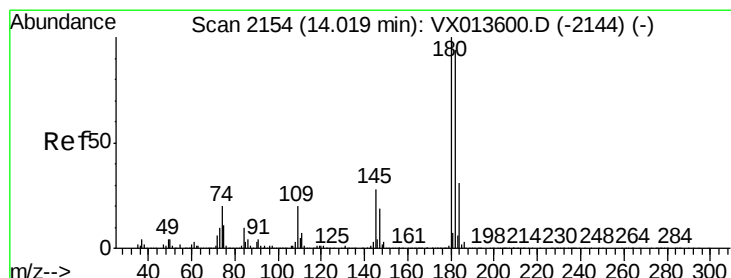
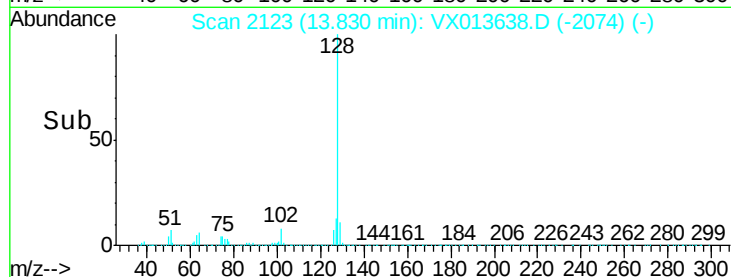
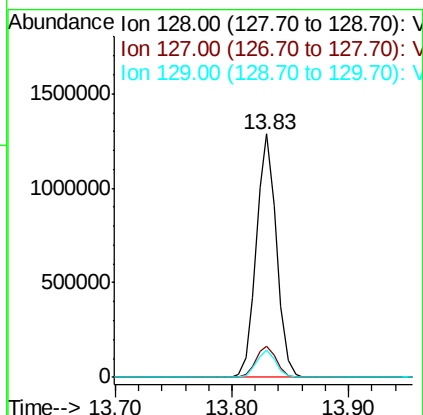
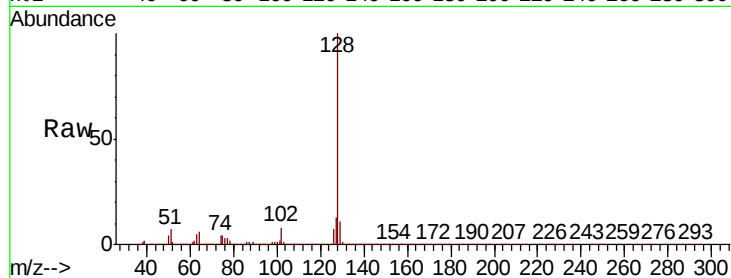




#95
Naphthalene
Concen: 51.699 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

Tot Ion:128 Resp: 1549345
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 48.684 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion:180 Resp: 485076
Ion Ratio Lower Upper
180 100
182 96.1 47.6 142.8
145 30.1 15.0 45.0

