

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112619\
 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

Manual Integrations
 APPROVED

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 11/27/2019 4:29:11 PM

Quant Time: Nov 27 07:59:47 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

33) 1,2-Dichloroethane-d4	6.05	65	356381	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
35) Dibromofluoromethane	5.49	113	301200	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
50) Toluene-d8	8.71	98	1158224	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
62) 4-Bromofluorobenzene	11.14	95	410646	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	

Target Compounds

						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
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 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	431969m	43.412	ug/l	
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

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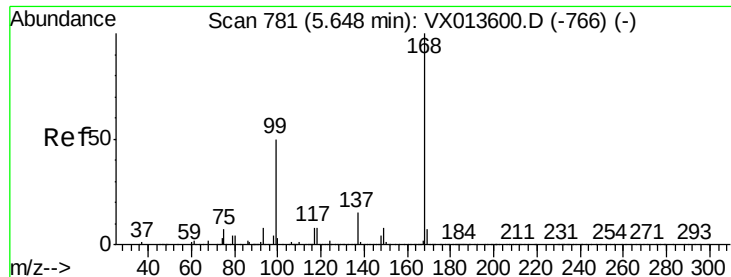
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	485337	48.229	ug/l	100
94) Hexachlorobutadiene	13.78	225	211382	43.727	ug/l	98
95) Naphthalene	13.83	128	1549345	51.699	ug/l	100
96)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

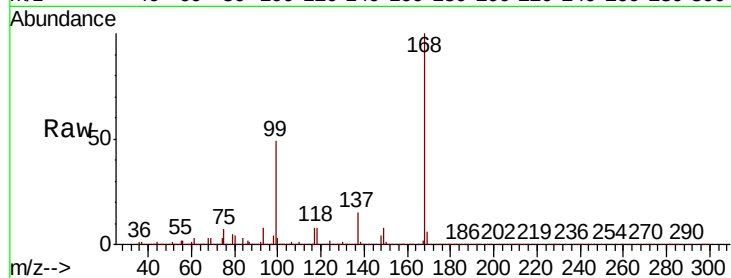
99 48.9 39.8 59.8

Manual Integrations

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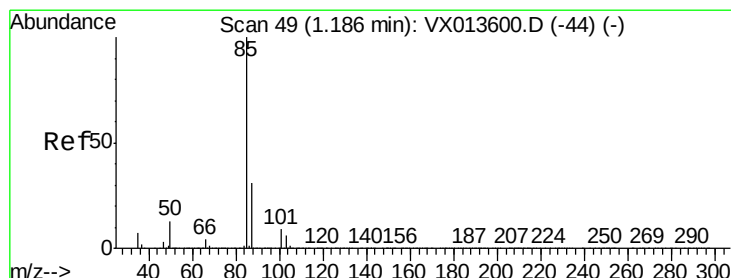
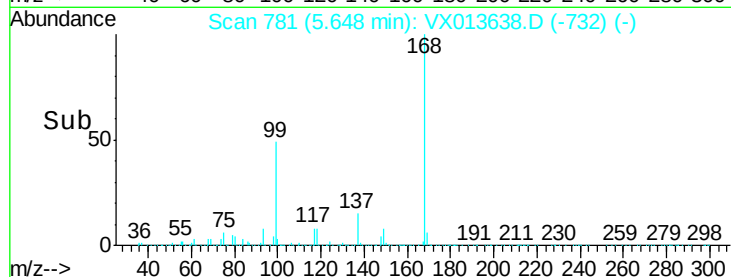
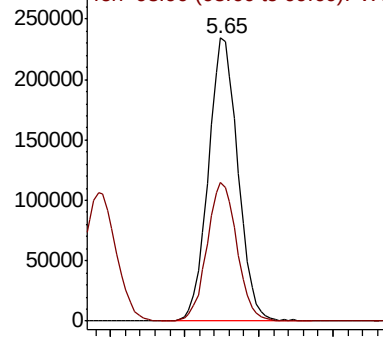
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 51.657 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX013638.D

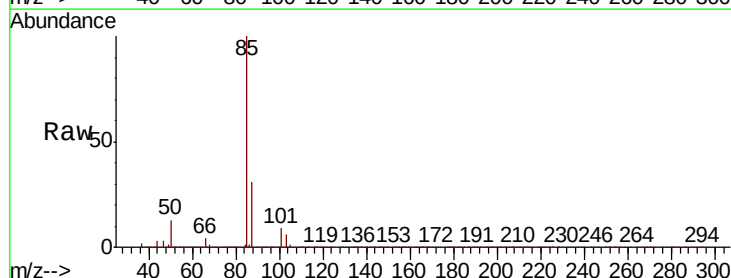
Acq: 27 Nov 2019 07:22

Tgt Ion: 85 Resp: 375104

Ion Ratio Lower Upper

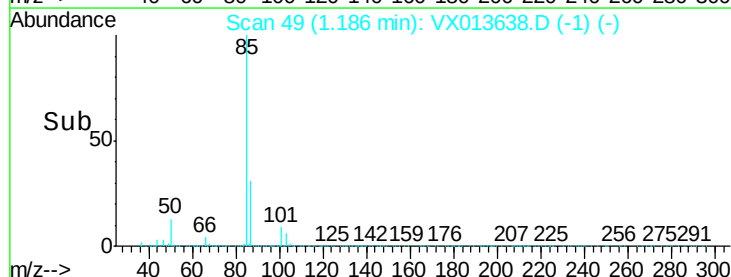
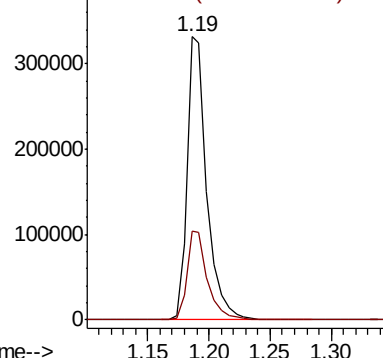
85 100

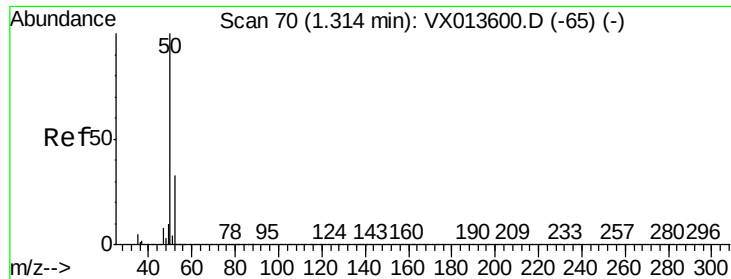
87 31.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#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

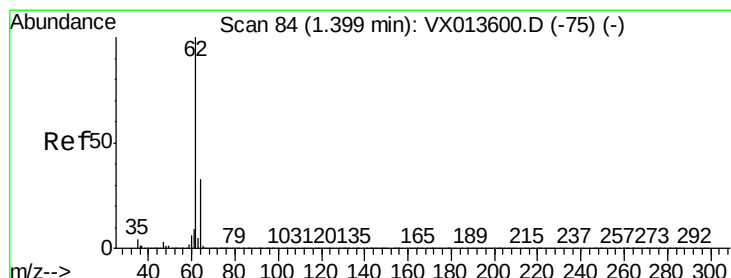
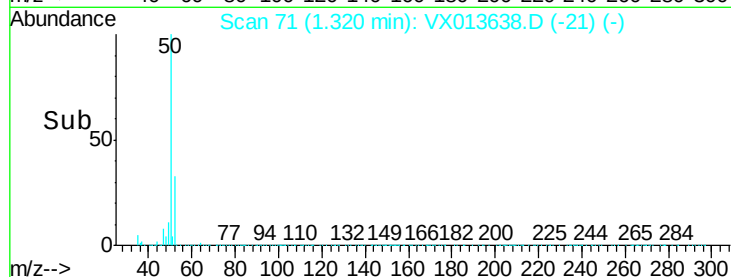
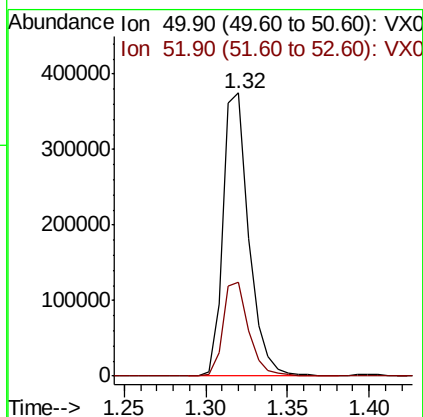
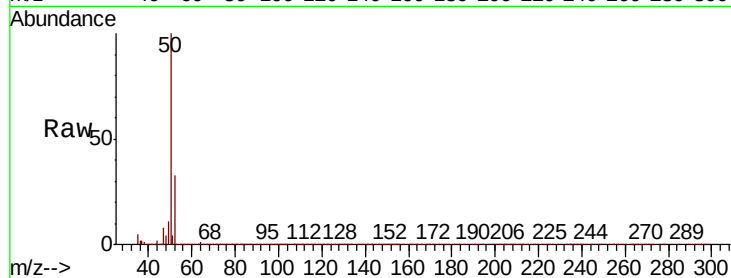
52 33.0 26.0 39.0

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#4

Vinyl Chloride

Concen: 52.229 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013638.D

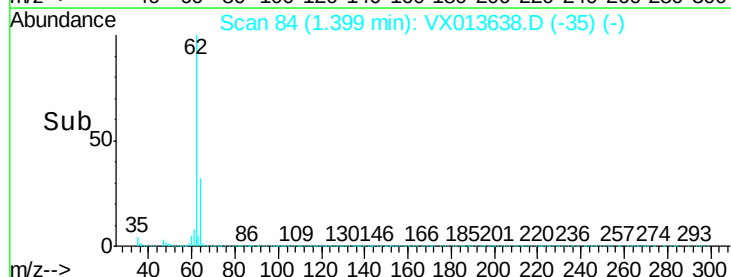
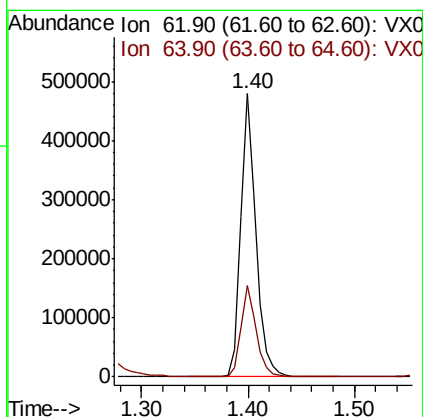
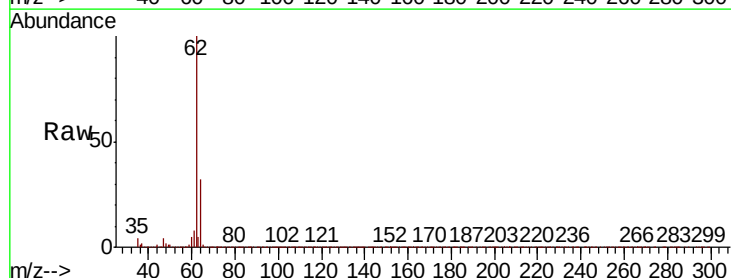
Acq: 27 Nov 2019 07:22

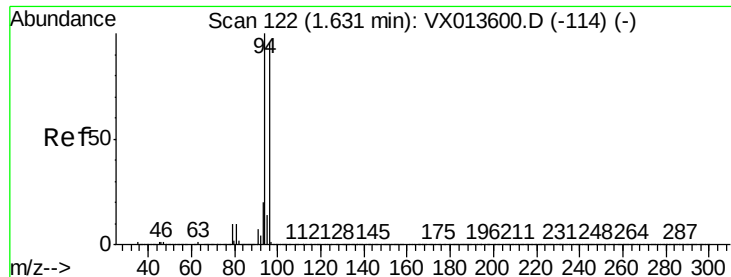
Tgt Ion: 62 Resp: 478970

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

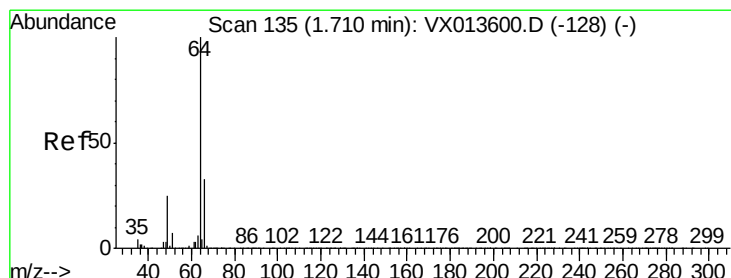
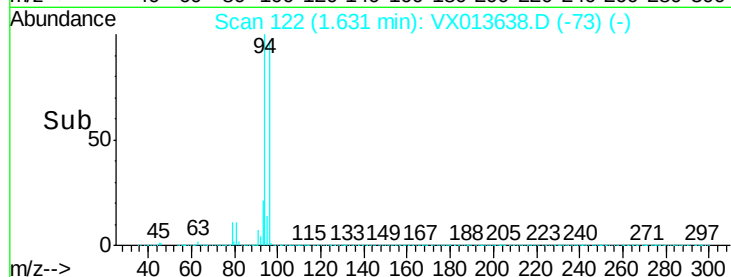
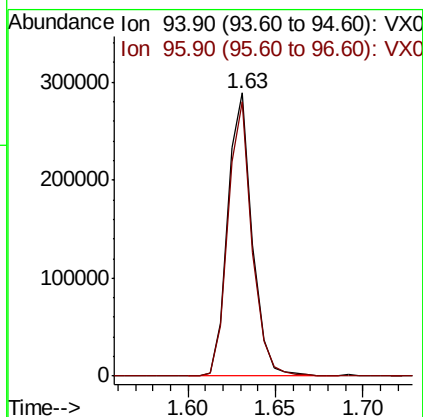
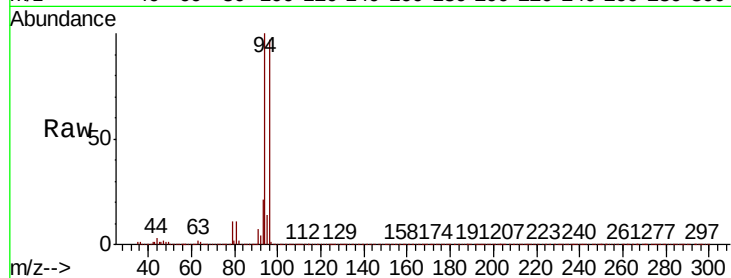
96 96.8 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 49.340 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013638.D

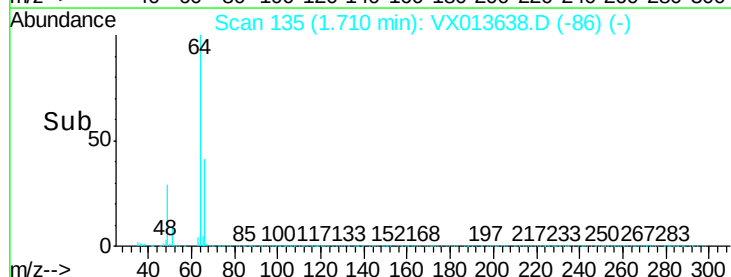
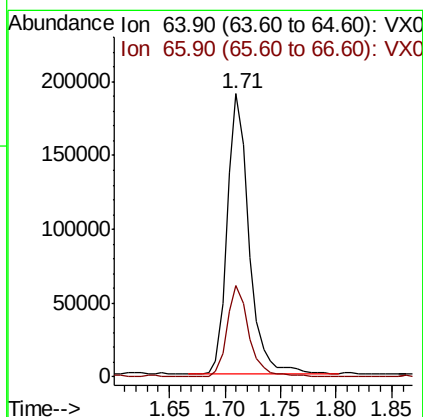
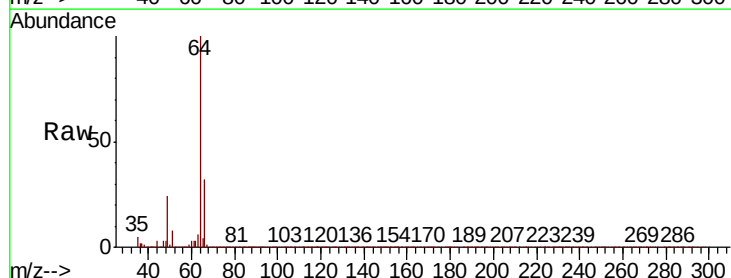
Acq: 27 Nov 2019 07:22

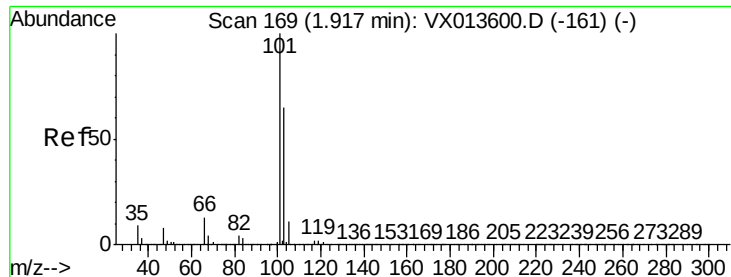
Tgt Ion: 64 Resp: 257477

Ion Ratio Lower Upper

64 100

66 32.6 26.7 40.1





#7

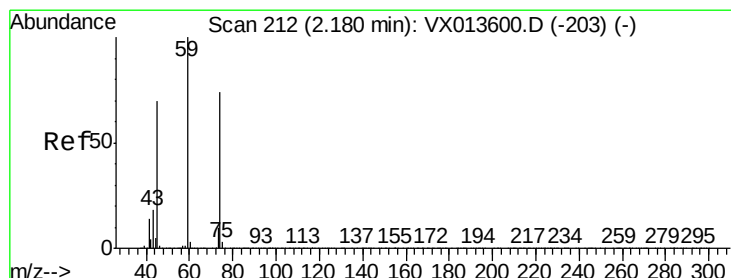
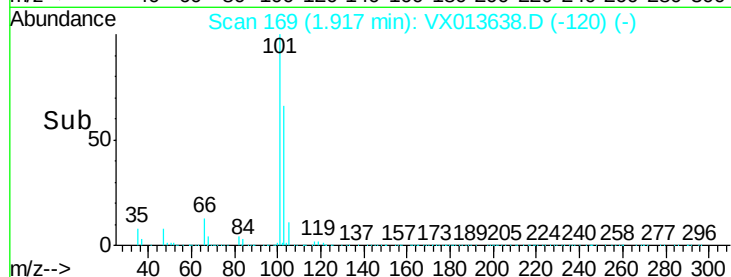
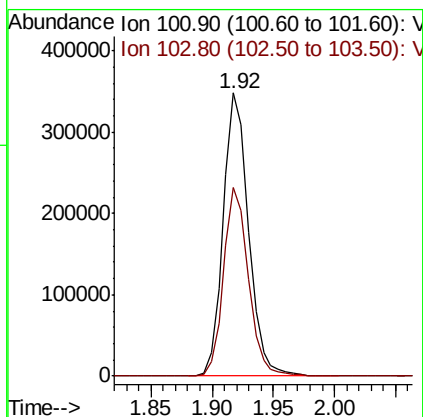
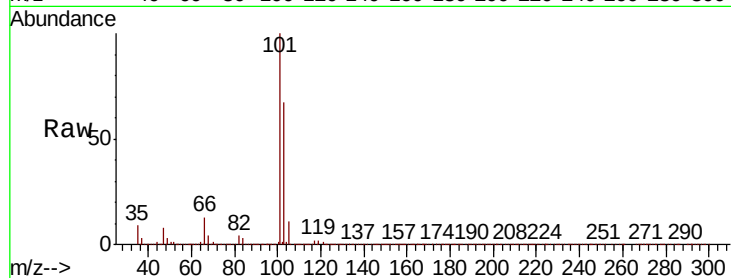
Trichlorofluoromethane
Concen: 49.127 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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ClientSampleId :
GR-OF-20191121MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.8	77.6

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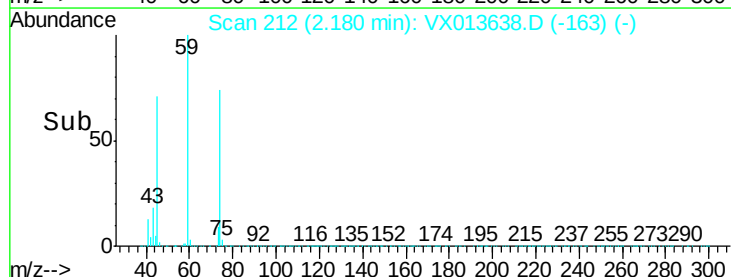
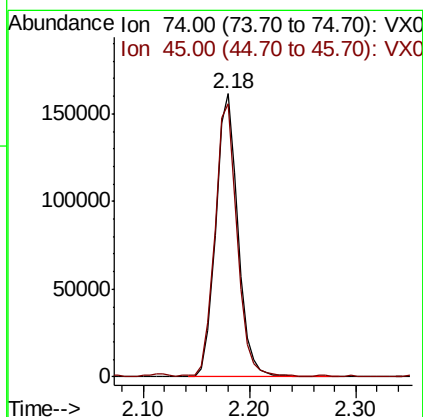
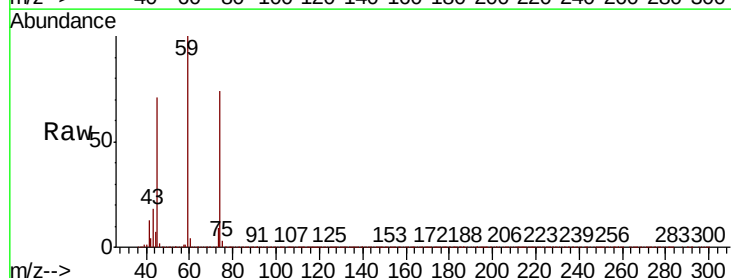
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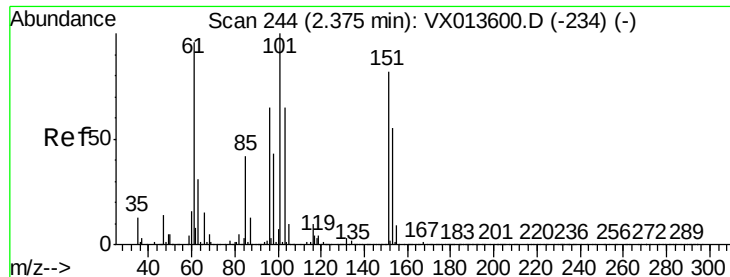


#8

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	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

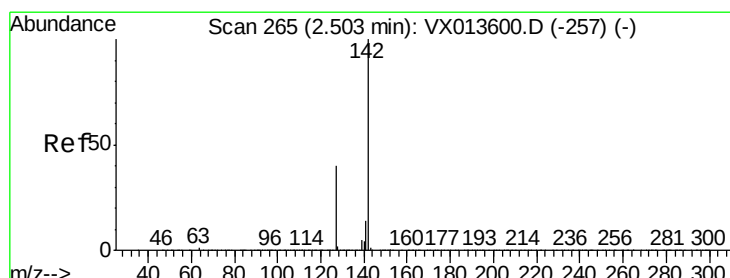
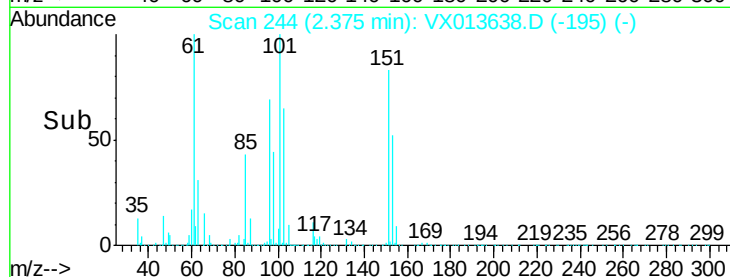
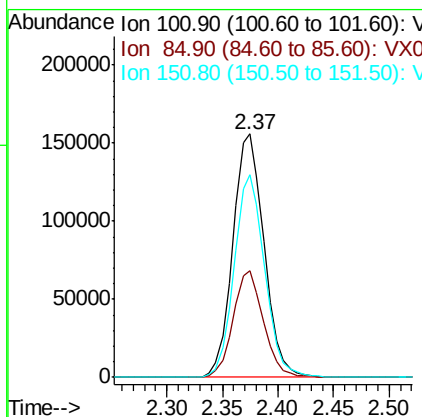
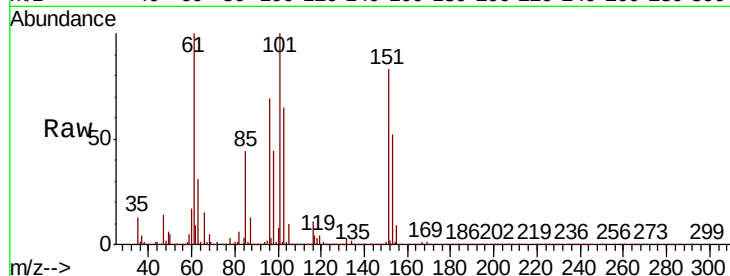
ClientSampleId :

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

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#10

Methyl Iodide

Concen: 55.034 ug/l

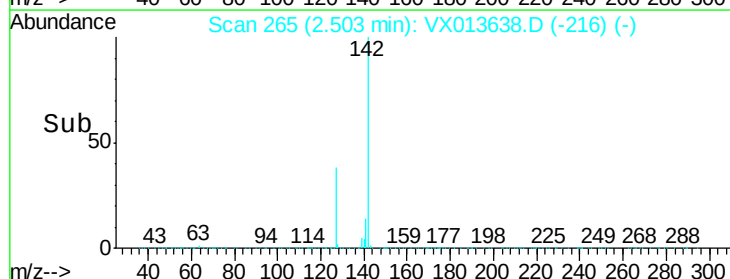
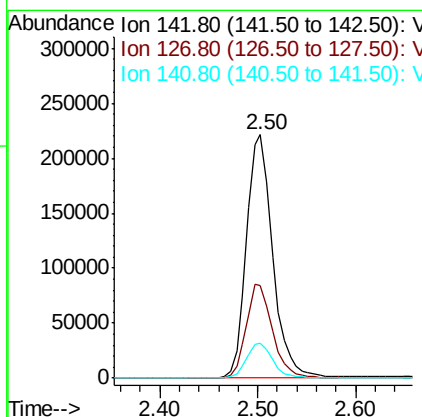
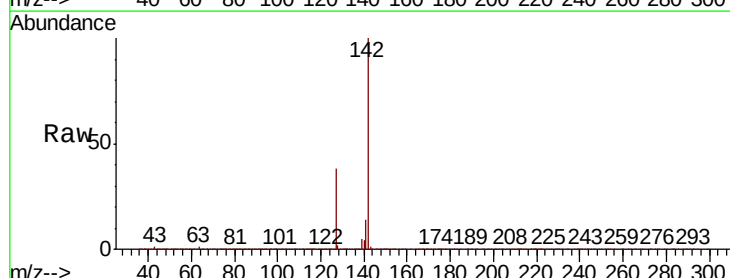
RT: 2.50 min Scan# 265

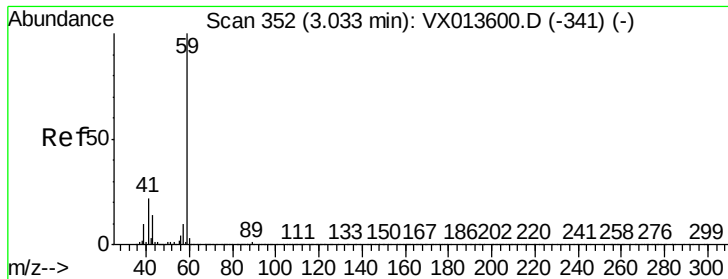
Delta R.T. 0.00 min

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





#11

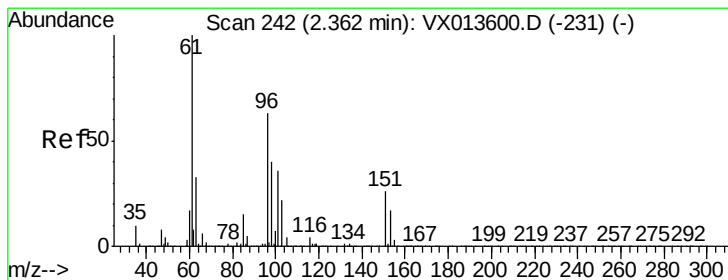
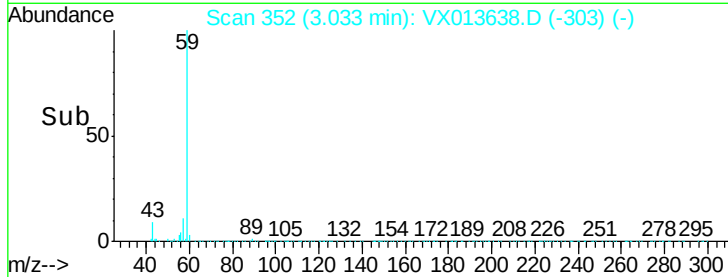
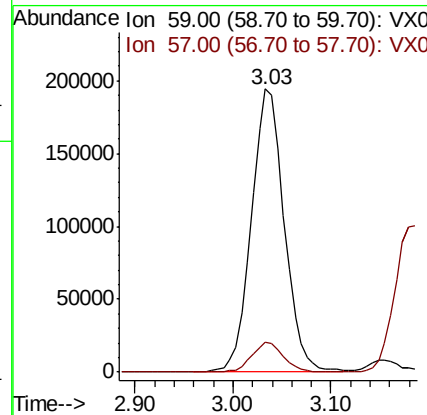
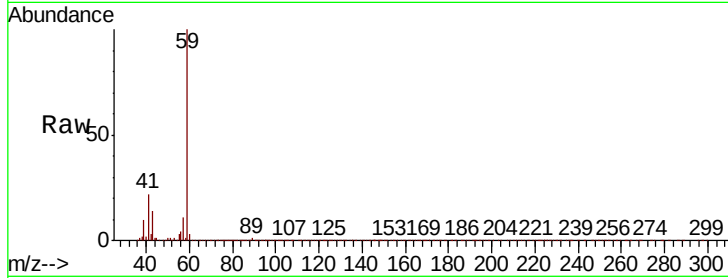
Tert butyl alcohol
Concen: 241.316 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.6

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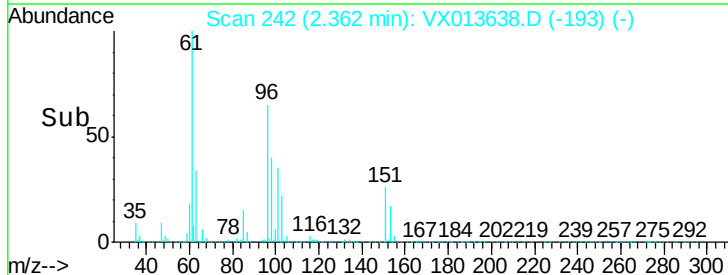
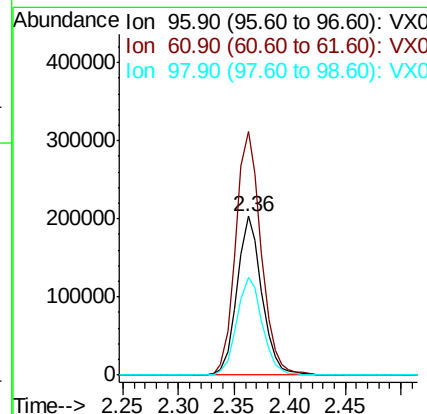
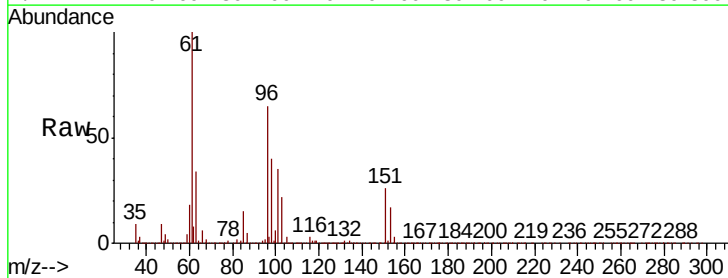
apatel
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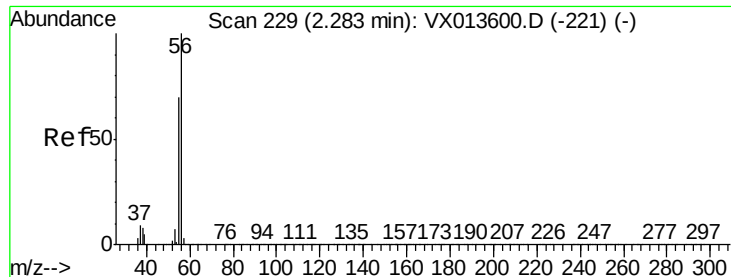


#12

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	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

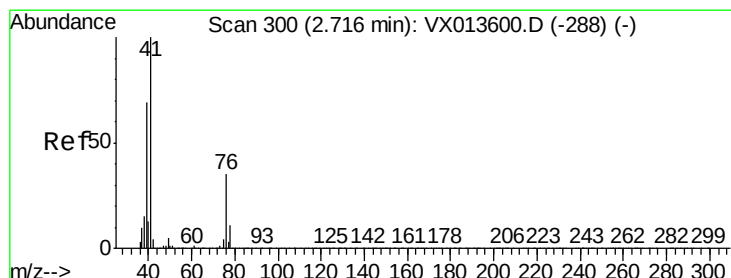
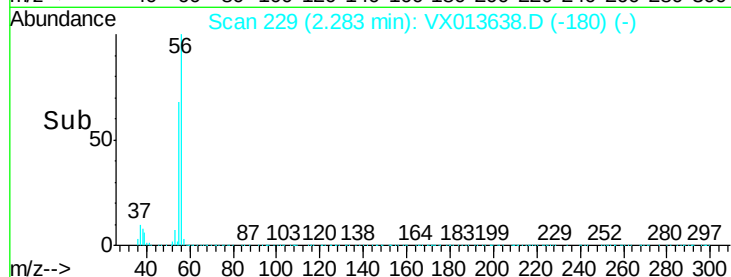
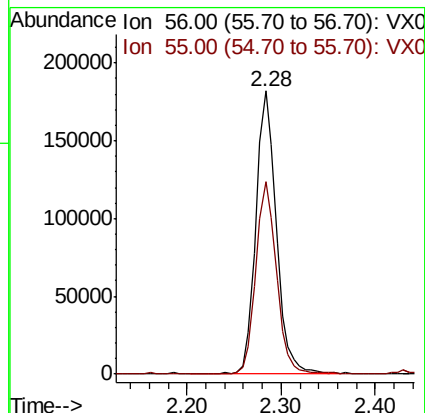
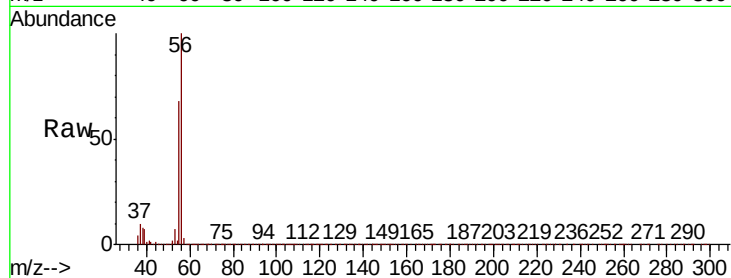
55 68.5 56.2 84.4

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#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

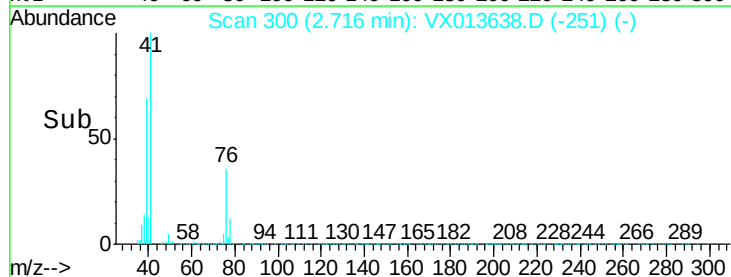
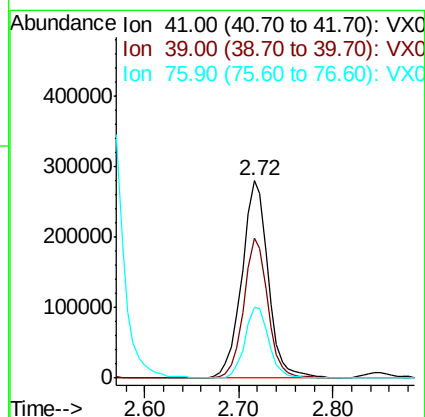
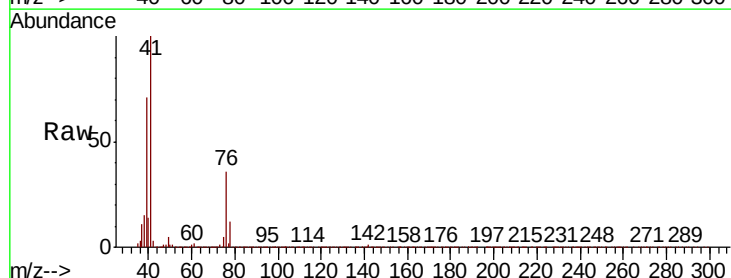
Tgt Ion: 41 Resp: 544088

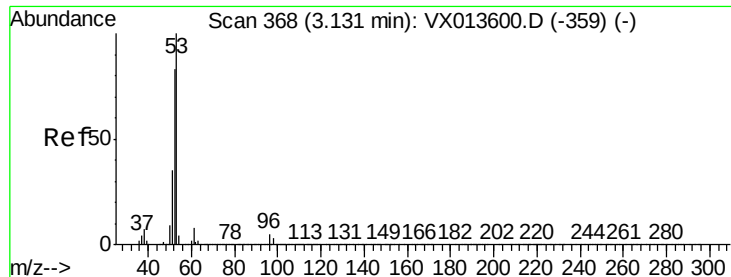
Ion Ratio Lower Upper

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

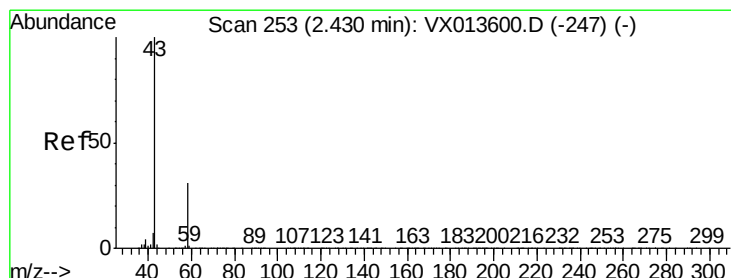
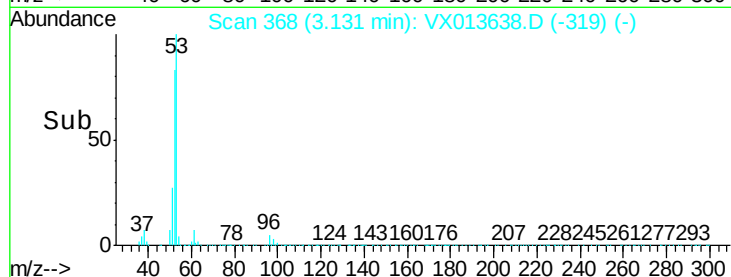
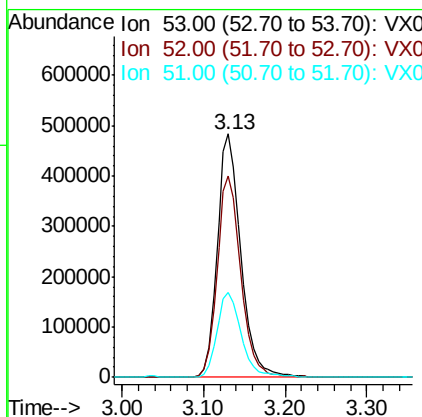
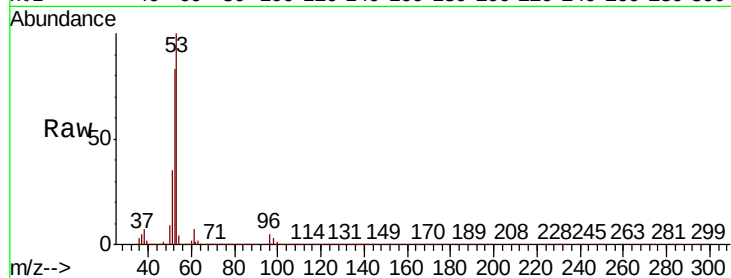
ClientSampleId :

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

Manual Integrations
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#16

Acetone

Concen: 228.563 ug/l

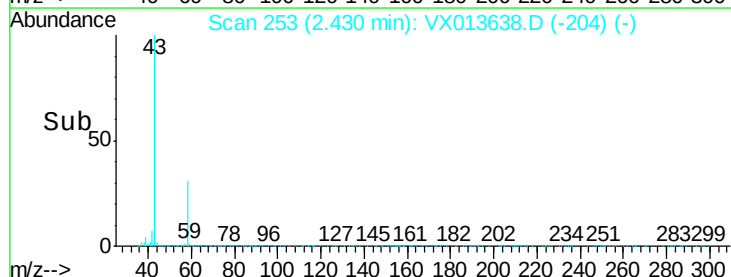
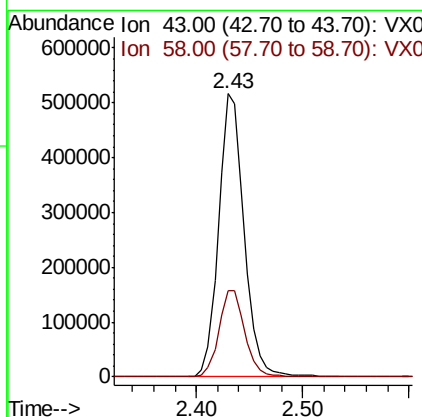
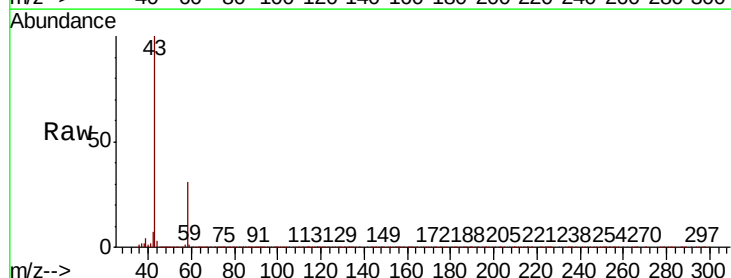
RT: 2.43 min Scan# 253

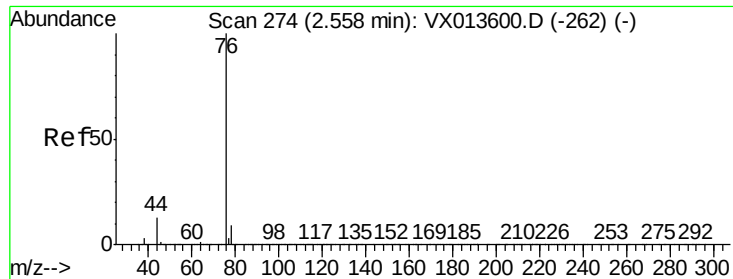
Delta R.T. 0.00 min

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





#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

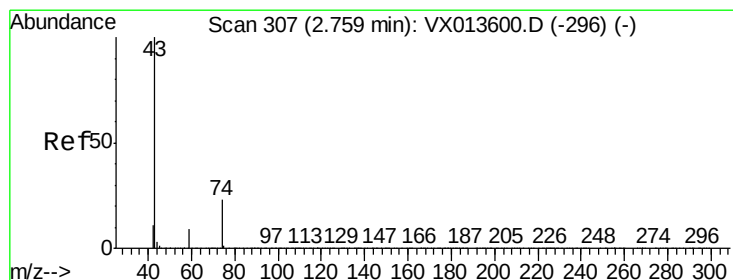
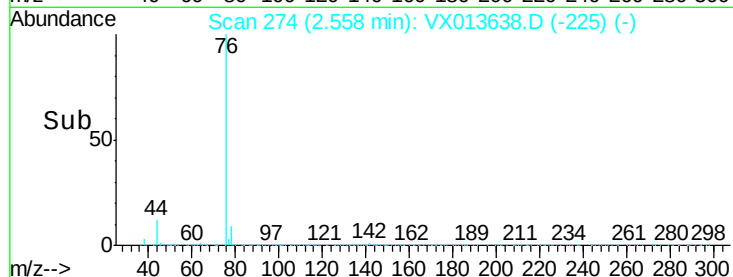
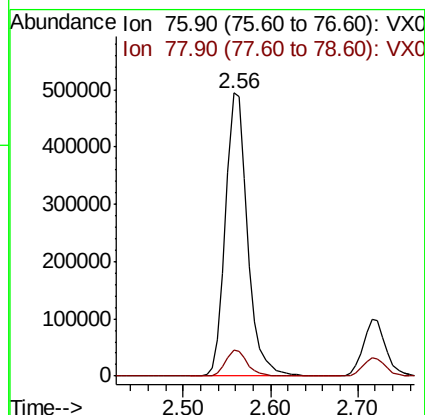
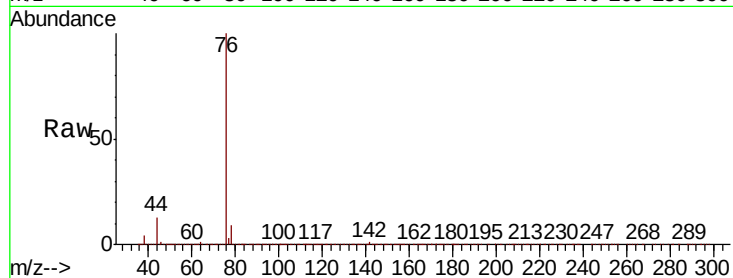
78 9.2 7.2 10.8

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#18

Methyl Acetate

Concen: 47.792 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX013638.D

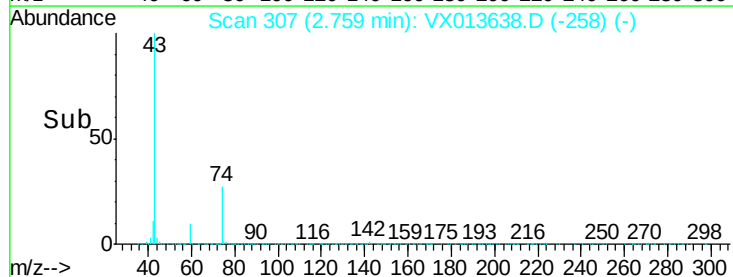
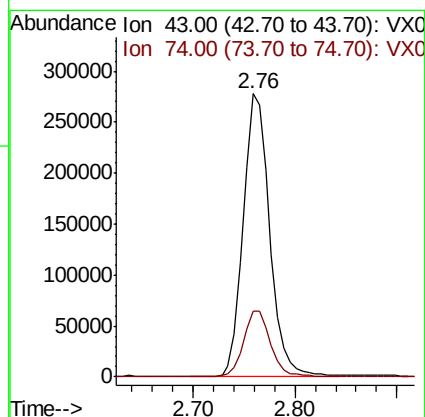
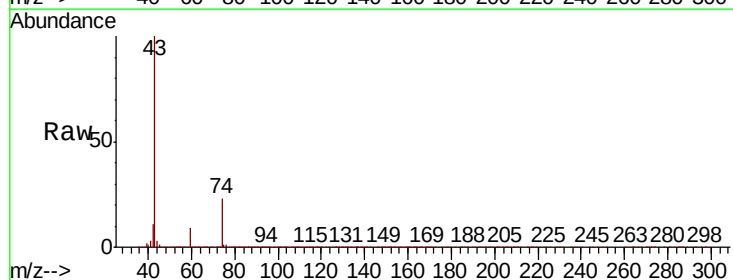
Acq: 27 Nov 2019 07:22

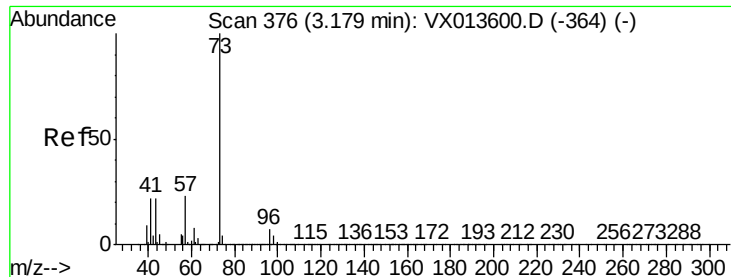
Tgt Ion: 43 Resp: 497557

Ion Ratio Lower Upper

43 100

74 24.0 19.5 29.3





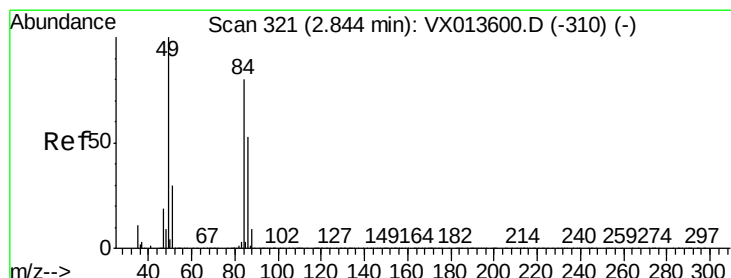
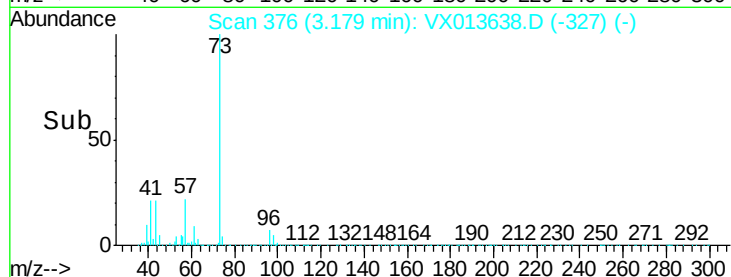
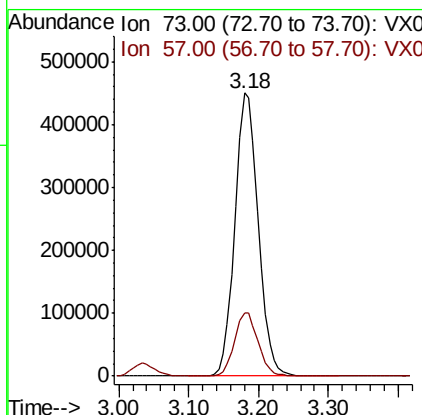
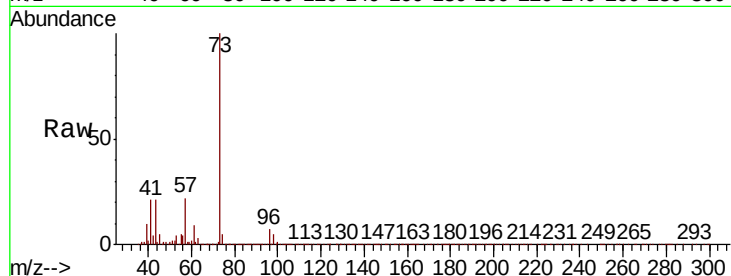
#19
Methyl tert-butyl Ether
Concen: 50.718 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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

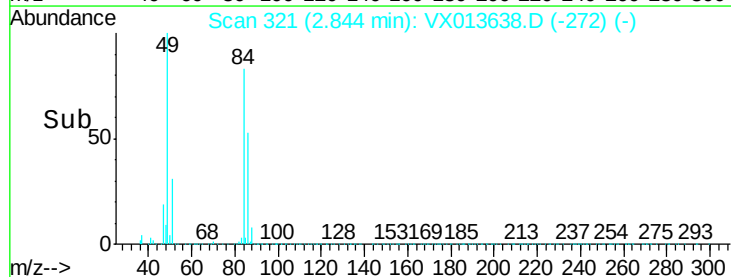
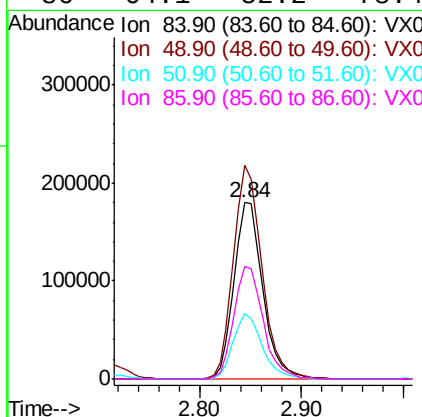
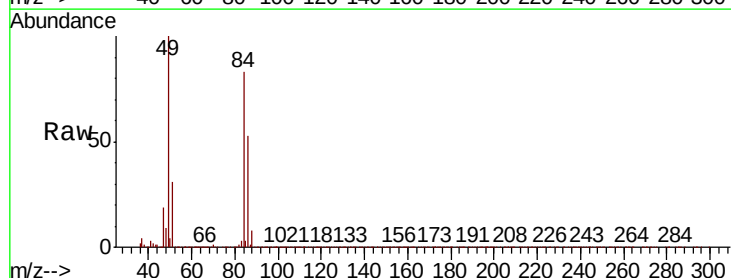
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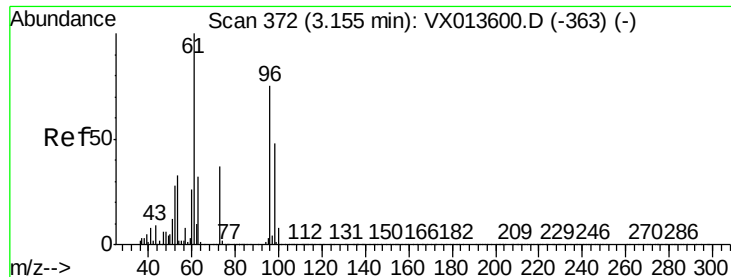
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#20
Methylene Chloride
Concen: 48.661 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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

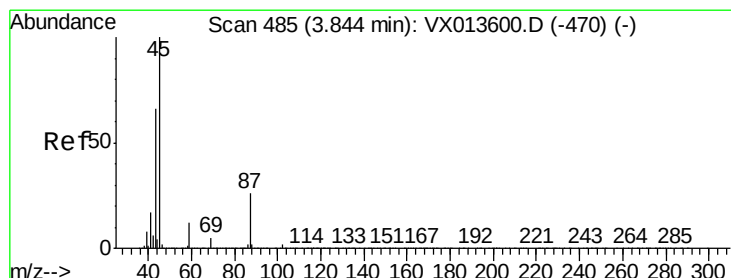
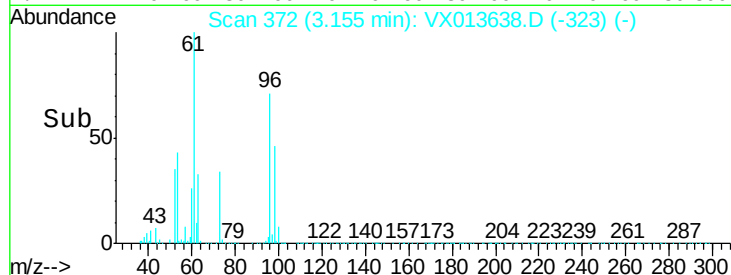
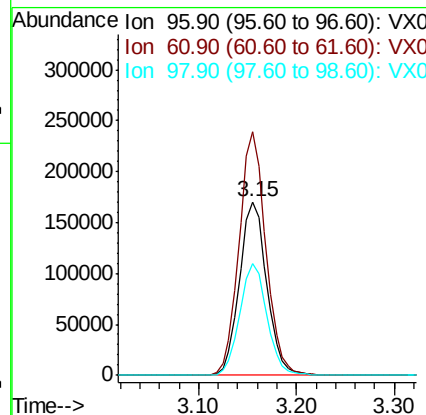
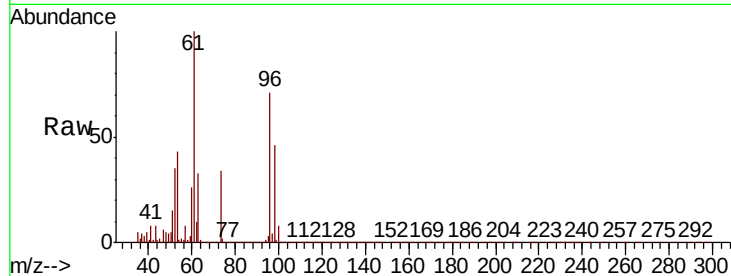
ClientSampleId :

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

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#22

Diisopropyl ether

Concen: 51.108 ug/l

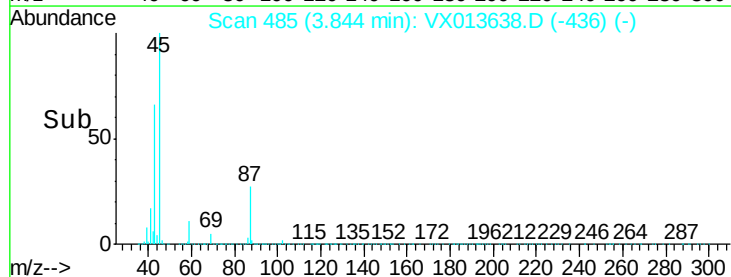
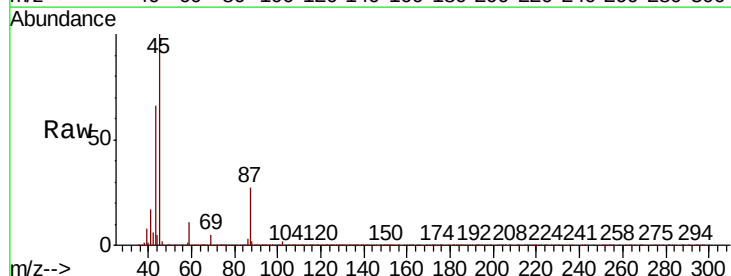
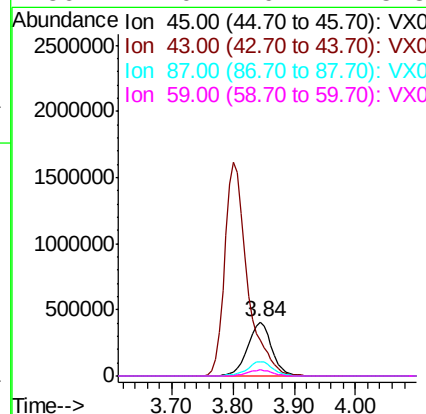
RT: 3.84 min Scan# 485

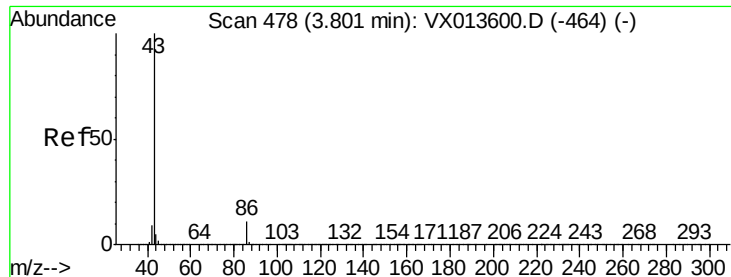
Delta R.T. 0.00 min

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

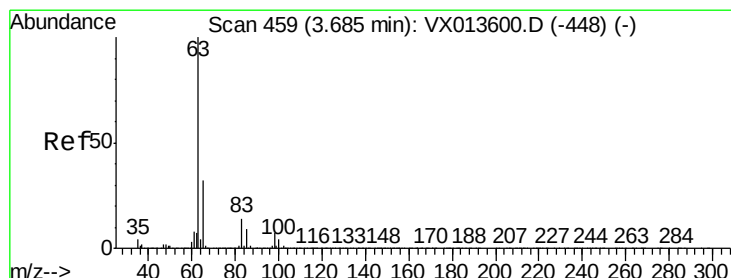
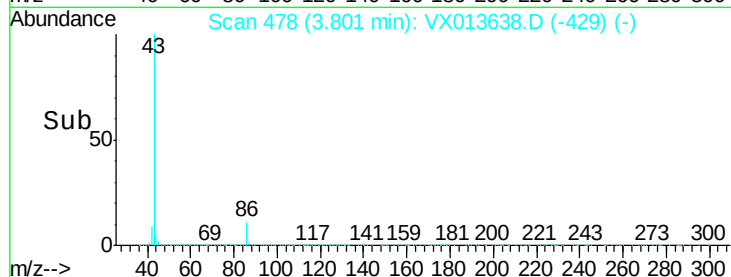
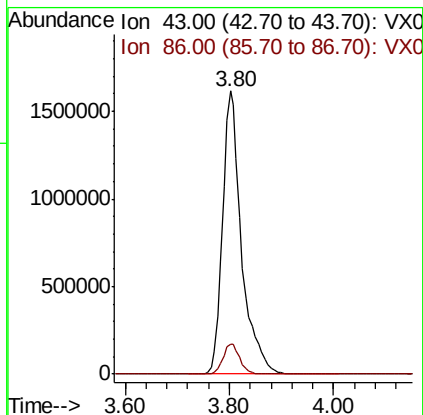
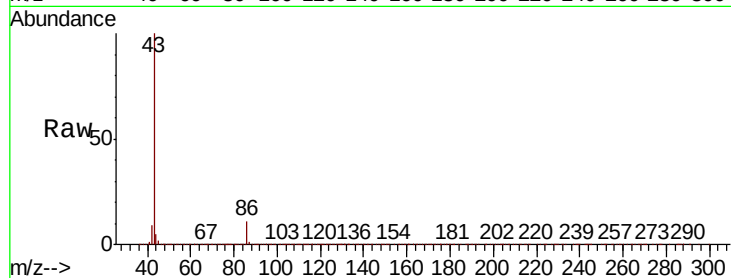
86 10.6 8.7 13.1

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#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

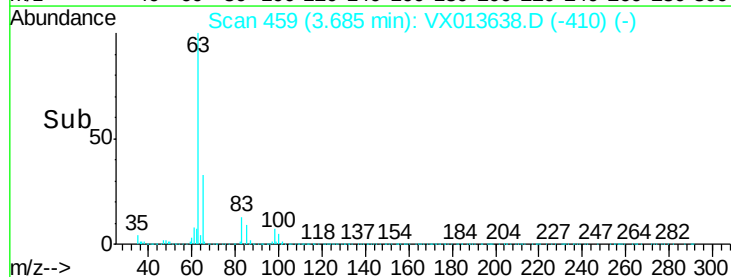
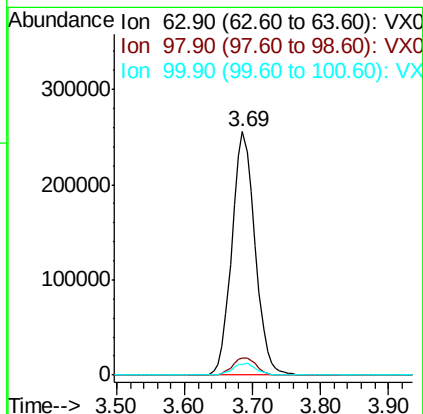
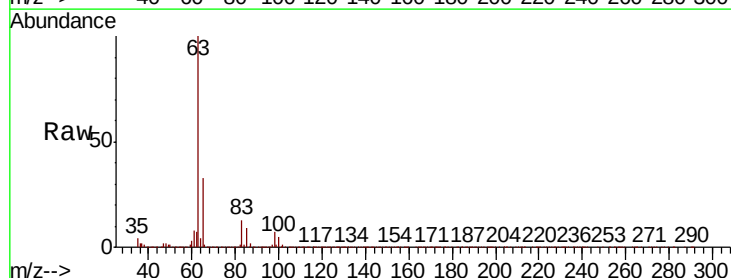
Tgt Ion: 63 Resp: 602448

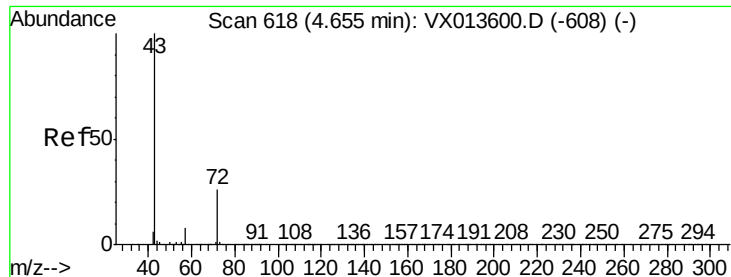
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.6 2.1 6.3





#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

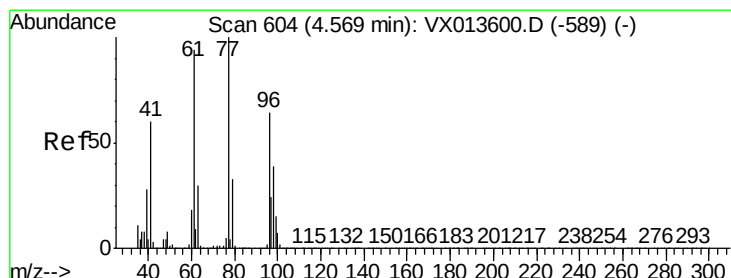
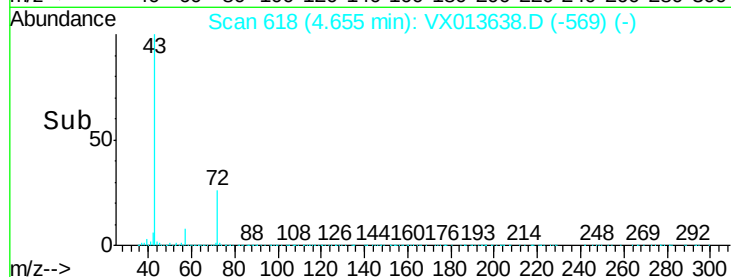
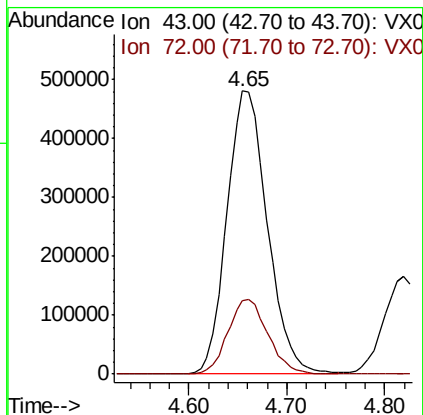
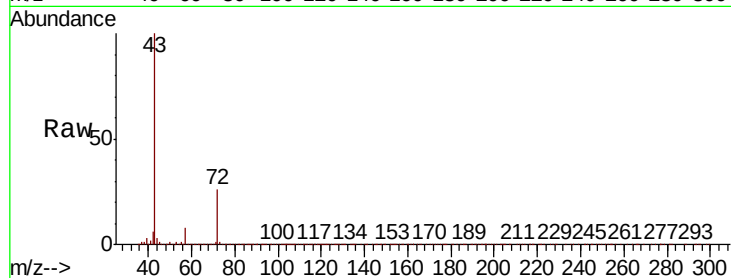
72 25.9 20.6 31.0

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#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

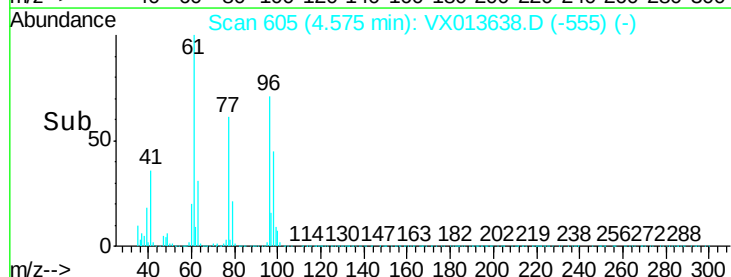
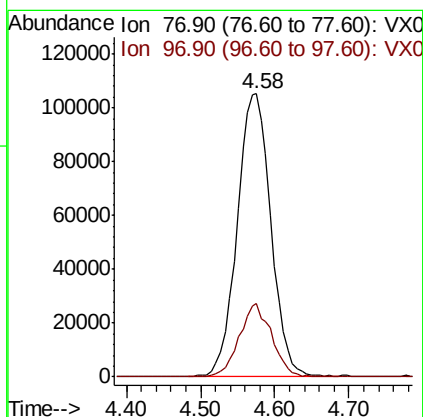
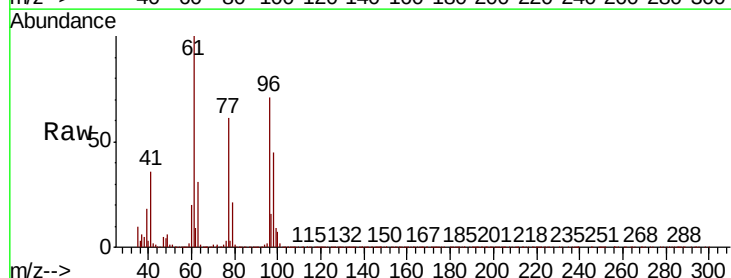
Acq: 27 Nov 2019 07:22

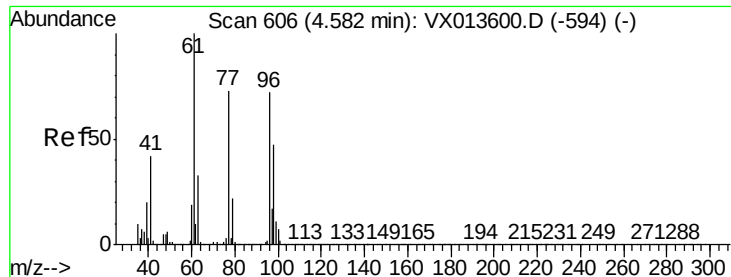
Tgt Ion: 77 Resp: 332298

Ion Ratio Lower Upper

77 100

97 24.7 12.0 36.1





#27

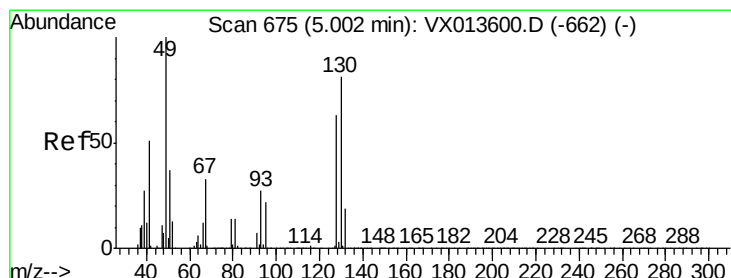
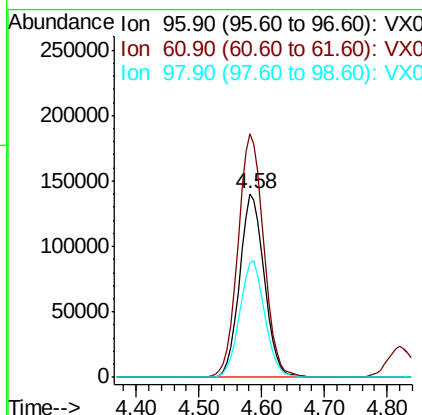
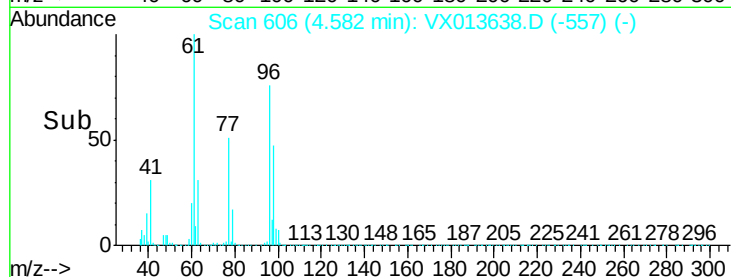
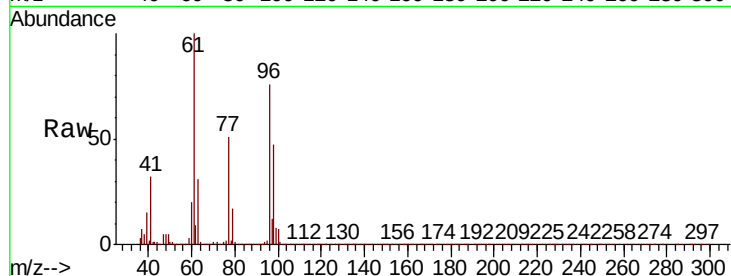
cis-1,2-Dichloroethene
Concen: 49.046 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	380955		
61	138.1		0.0	286.4
98	64.7		0.0	127.4

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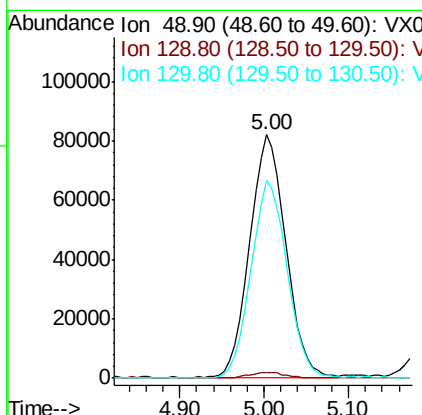
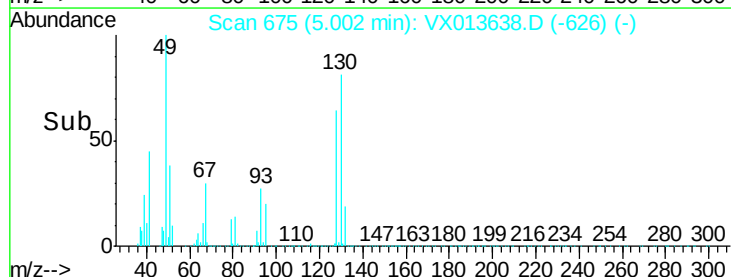
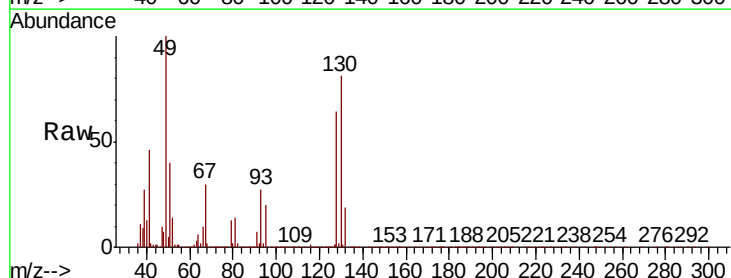
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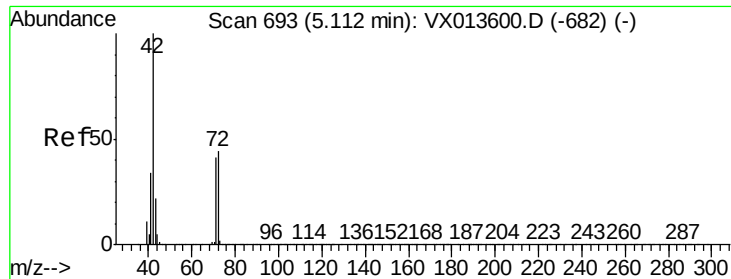


#28

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	Resp	Lower	Upper
49	100	239590		
129	2.2		0.0	5.0
130	81.9		65.4	98.0





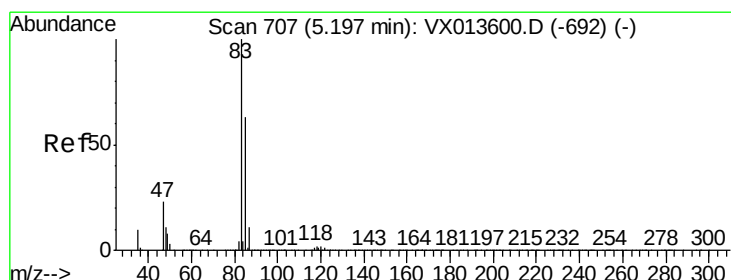
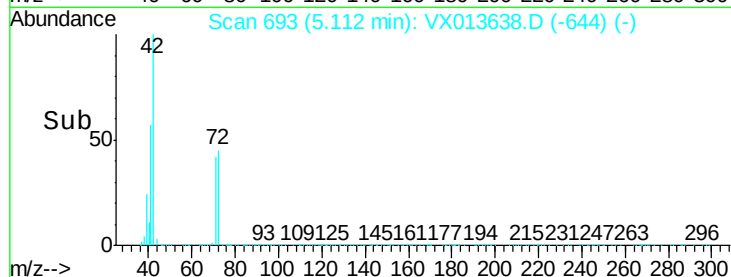
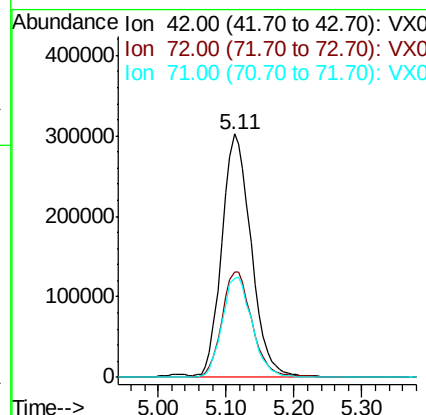
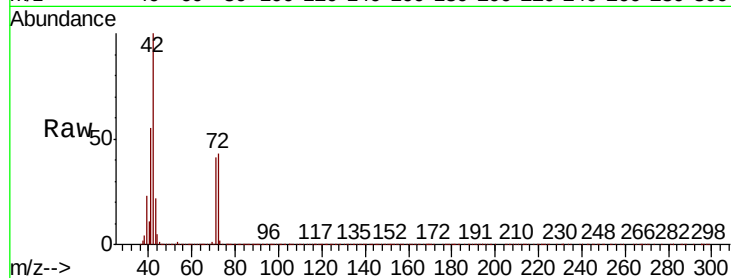
#29
Tetrahydrofuran
Concen: 263.479 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	36.3	54.5
71	42.0	33.2	49.8

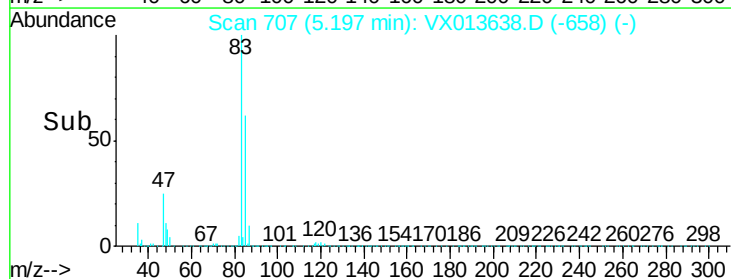
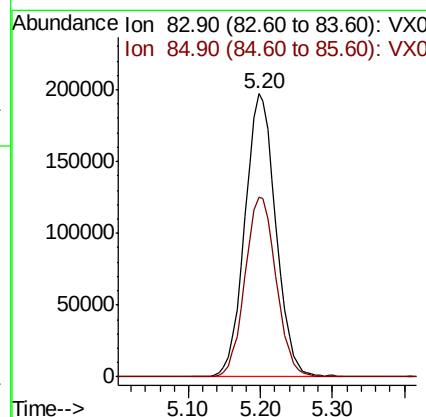
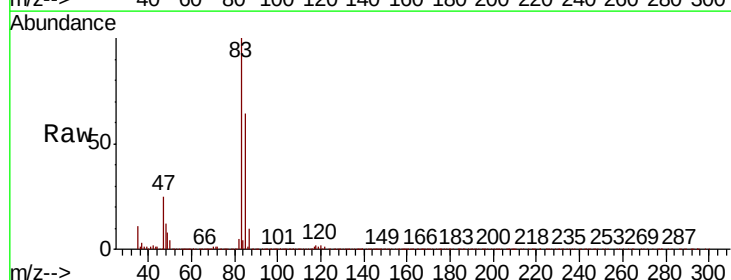
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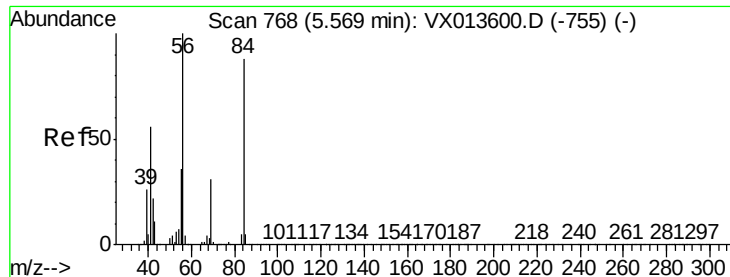
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#30
Chloroform
Concen: 48.662 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.2	75.4





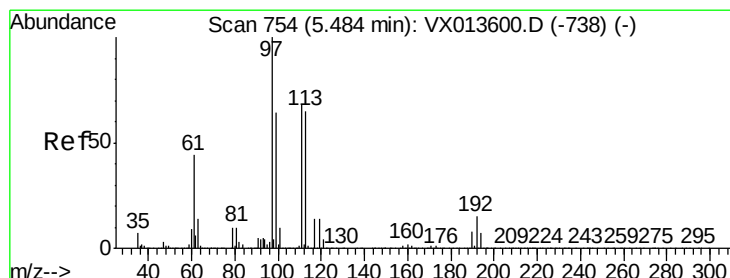
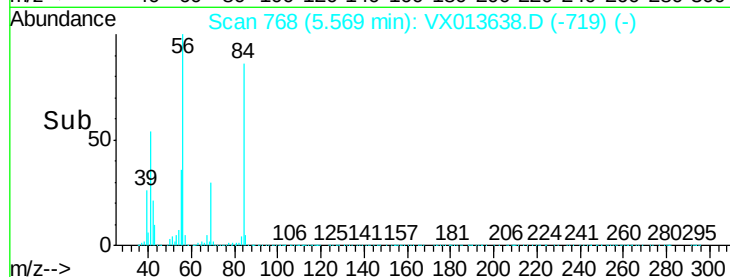
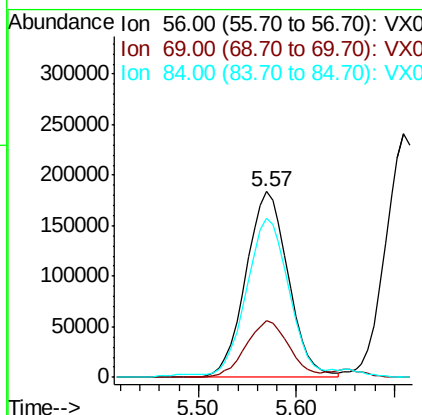
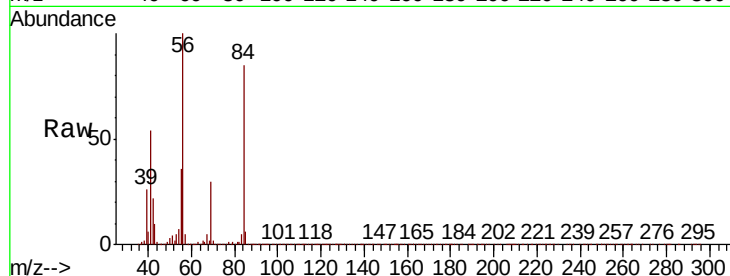
#31
Cyclohexane
Concen: 49.333 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

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

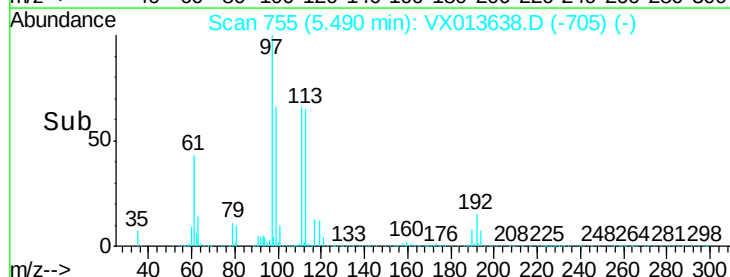
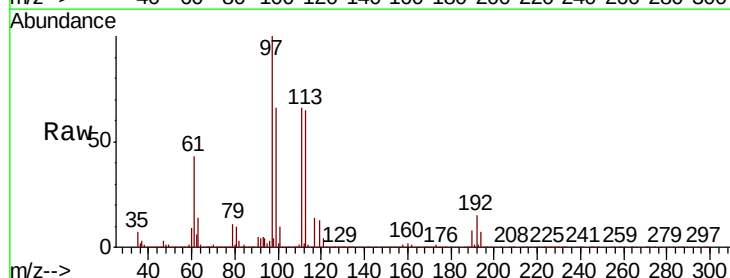
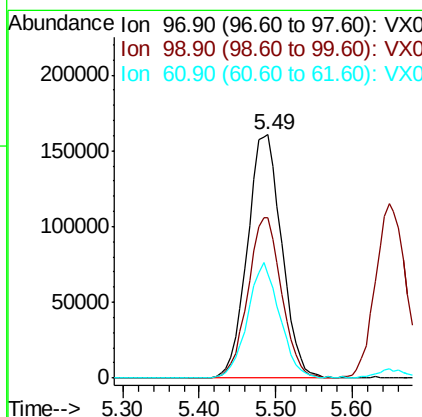
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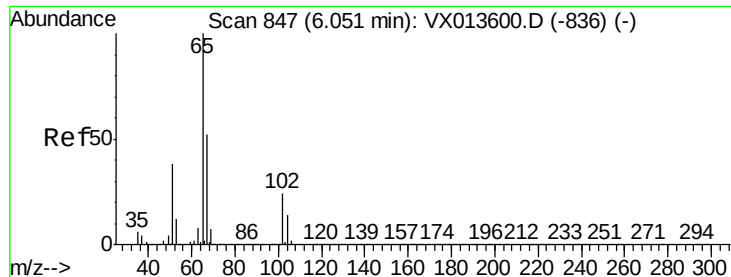
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#32
1,1,1-Trichloroethane
Concen: 49.974 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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





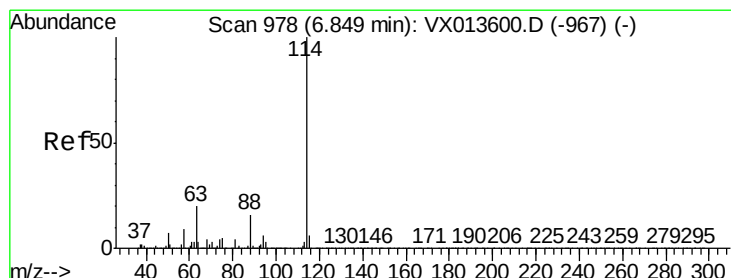
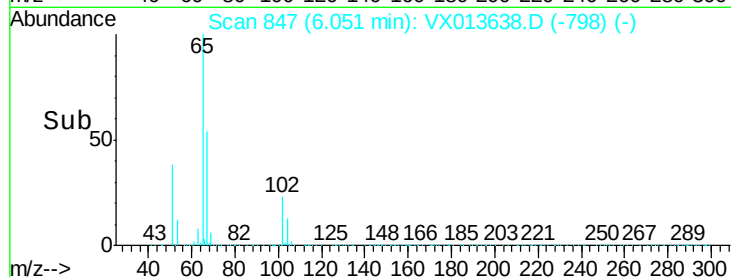
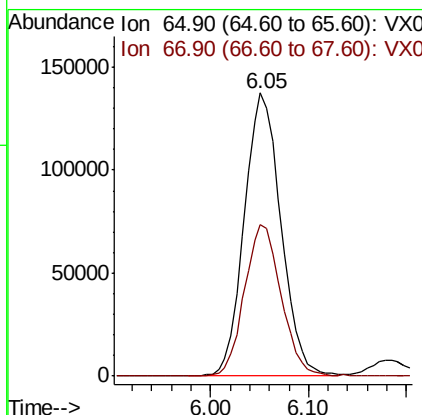
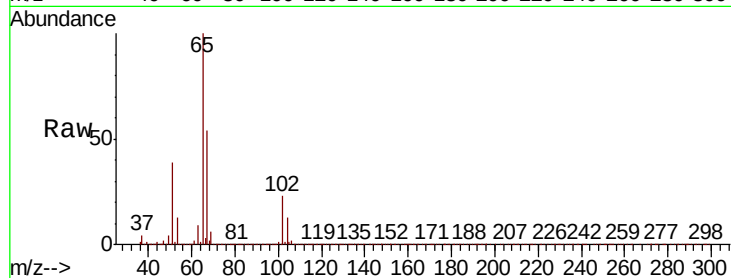
#33
 1,2-Dichloroethane-d4
 Concen: 47.061 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20191121MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	104.4

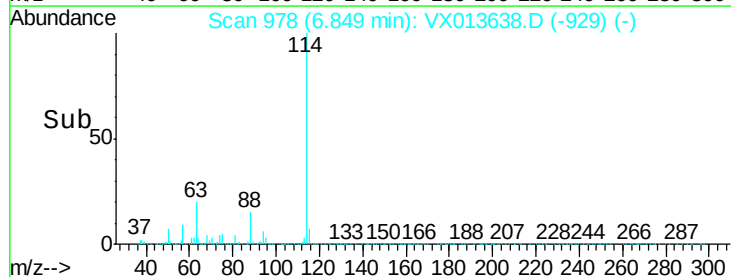
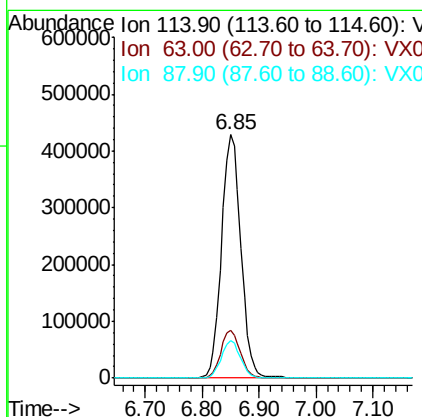
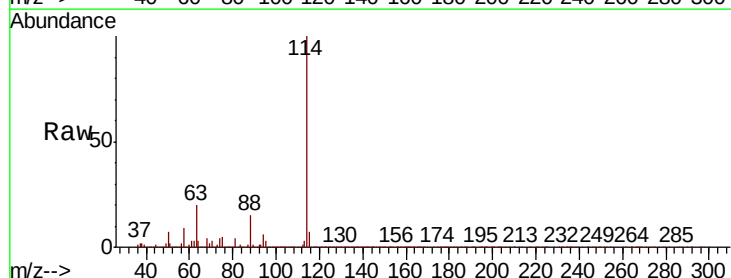
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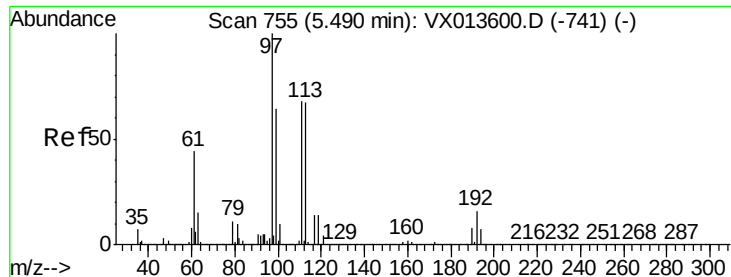
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.2	0.0	31.4





#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

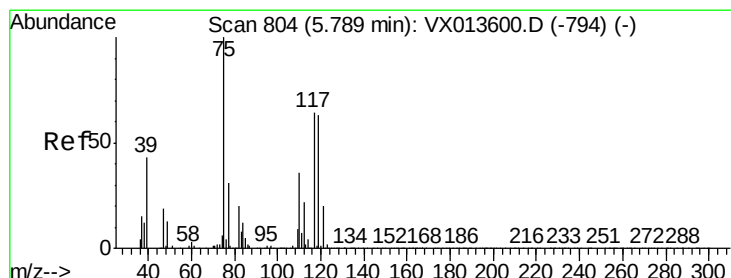
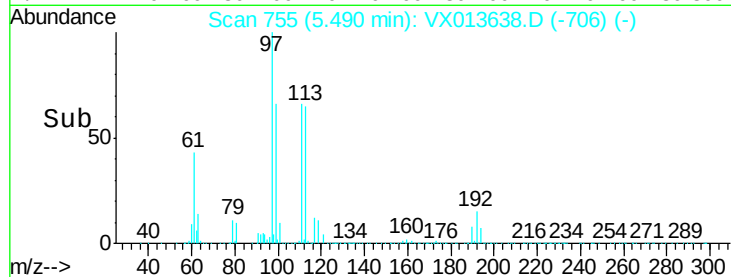
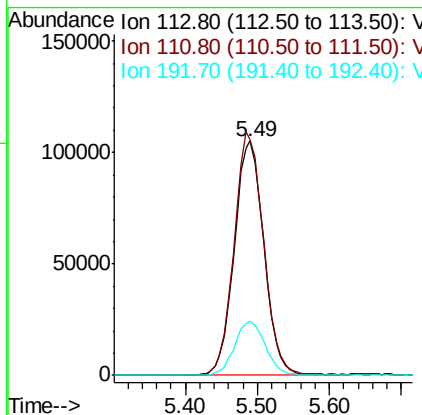
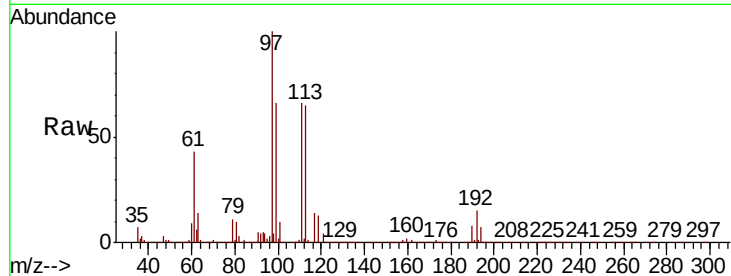
ClientSampleId :

GR-OF-20191121MSD

Tot Ion:	113	Resp:	301200
Ion Ratio	Lower	Upper	
113	100		
111	102.1	83.6	125.4
192	23.9	19.2	28.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.398 ug/l

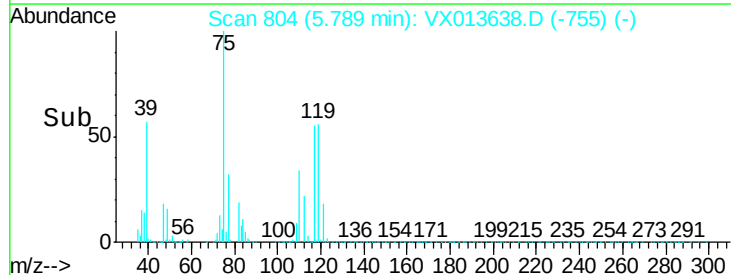
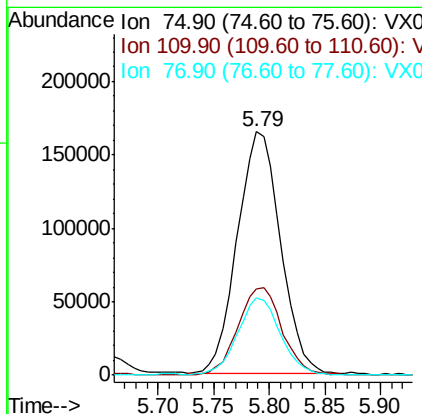
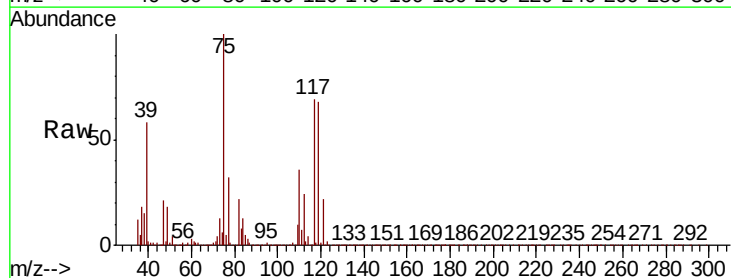
RT: 5.79 min Scan# 804

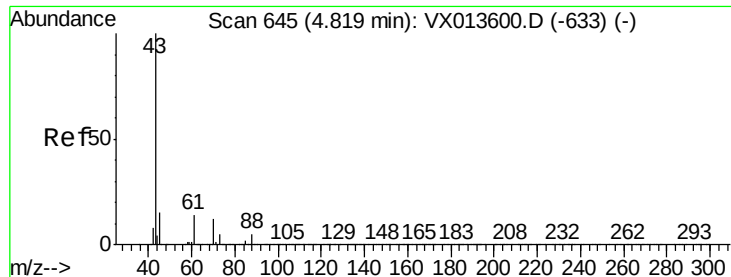
Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Tgt Ion:	75	Resp:	445043
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.1	54.1
77	31.1	24.5	36.7





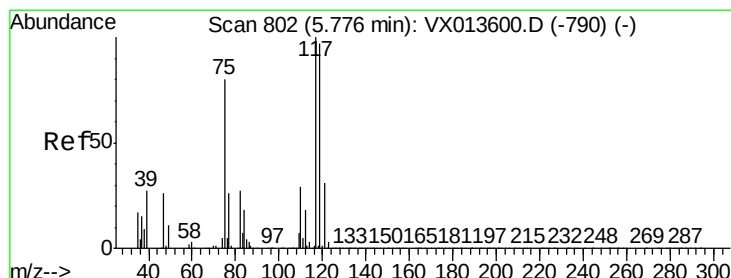
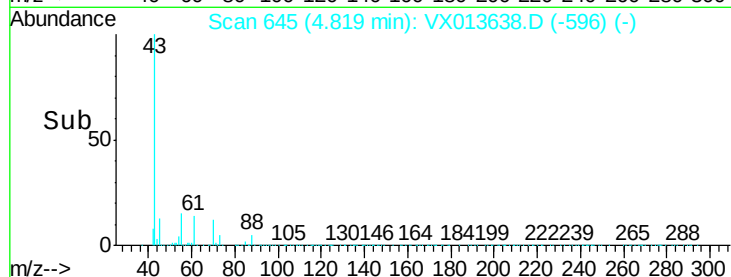
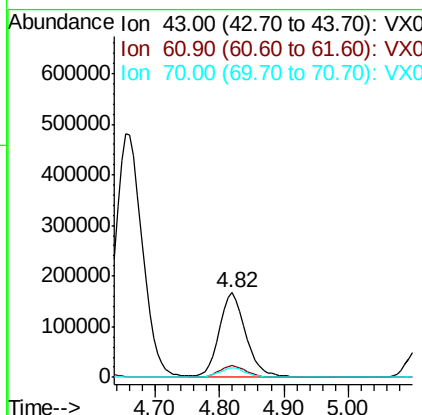
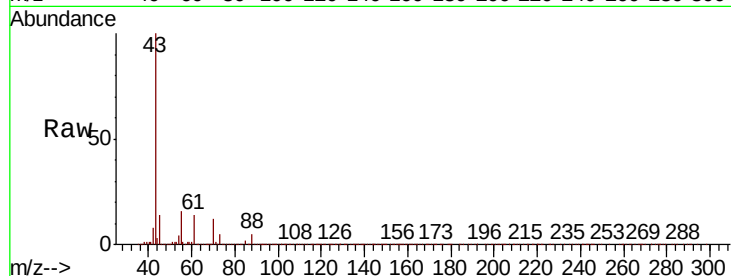
#37
Ethyl Acetate
Concen: 47.011 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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

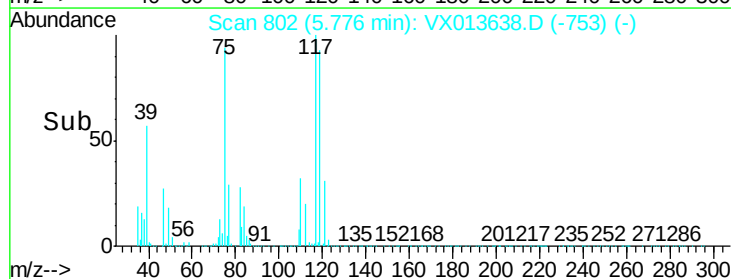
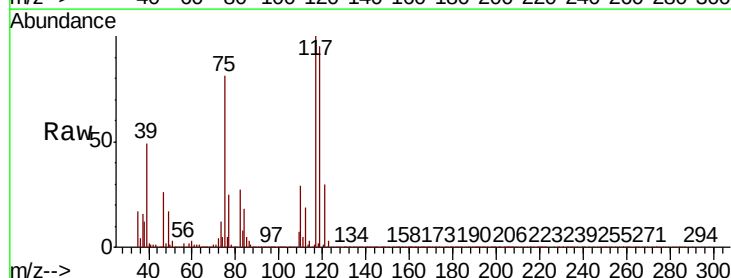
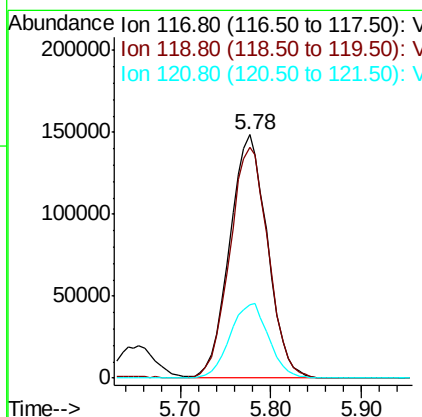
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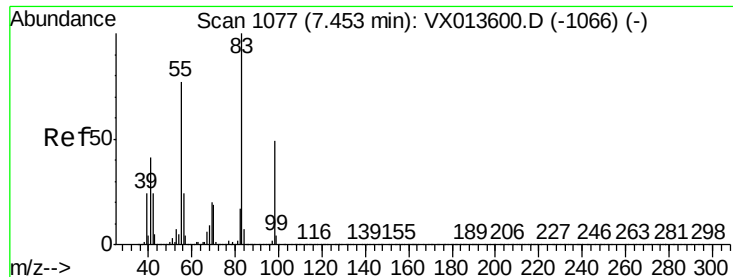
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#38
Carbon Tetrachloride
Concen: 50.375 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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





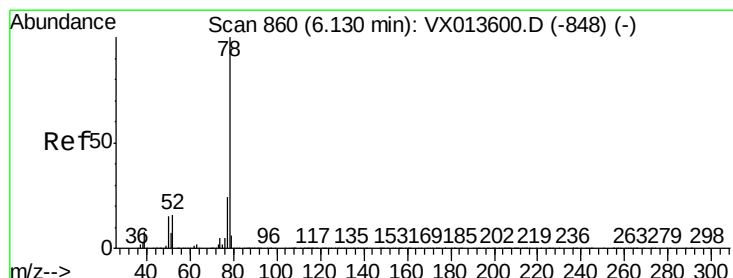
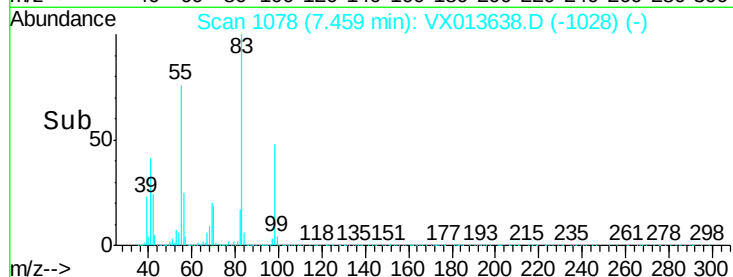
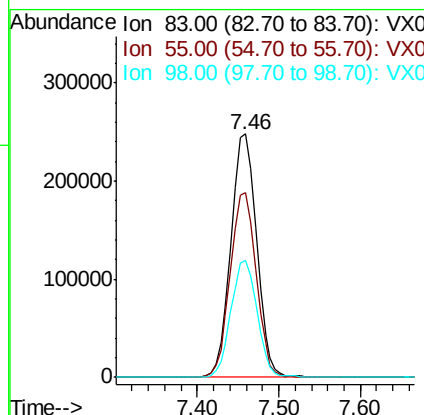
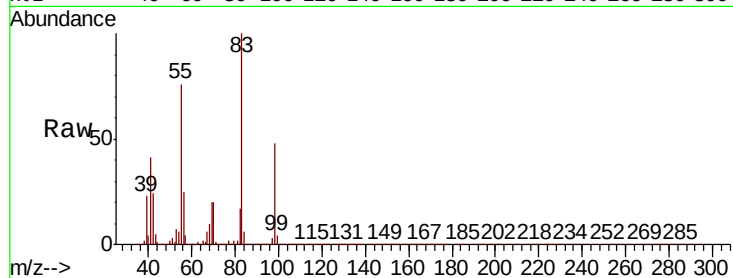
#39
Methvlcvclohexane
Concen: 47.494 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

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

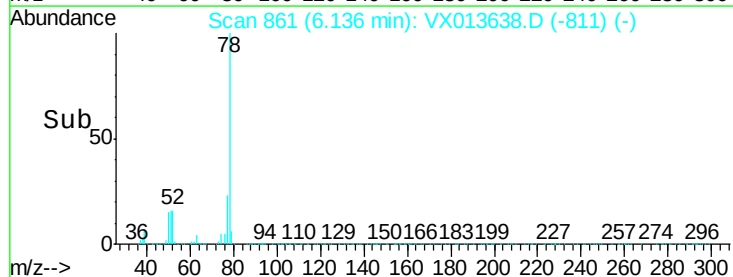
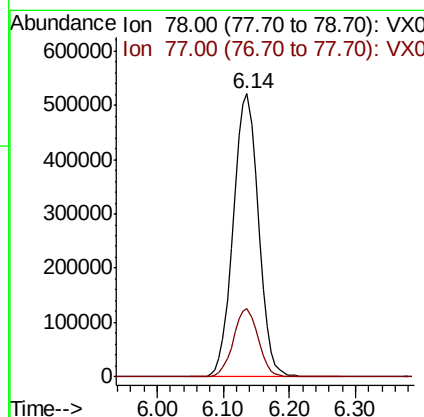
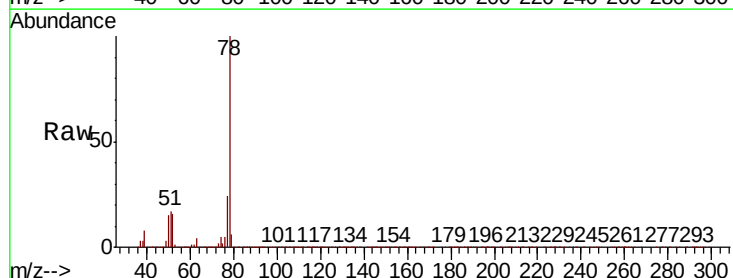
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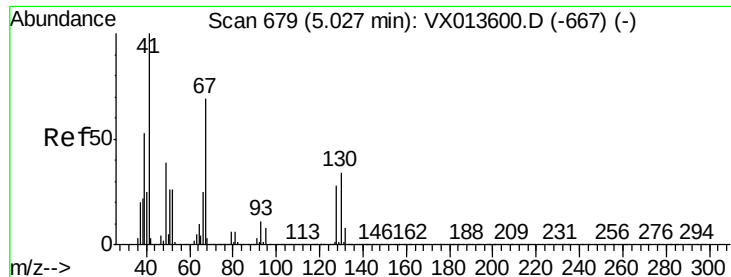
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#40
Benzene
Concen: 49.115 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





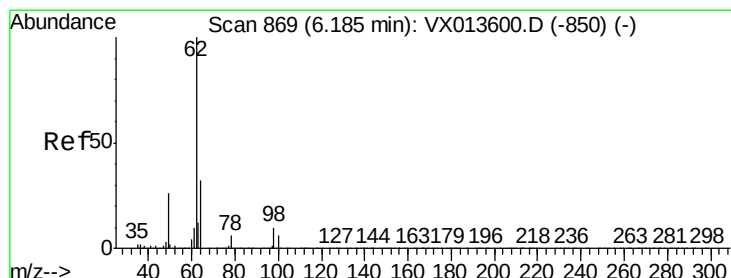
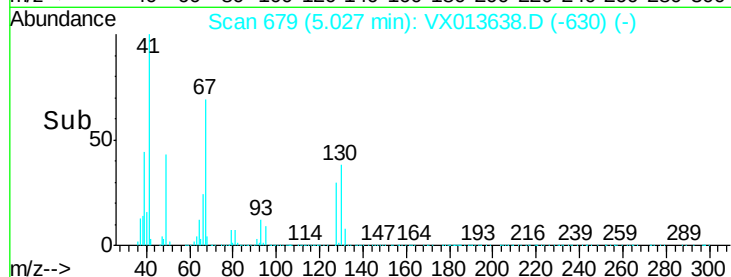
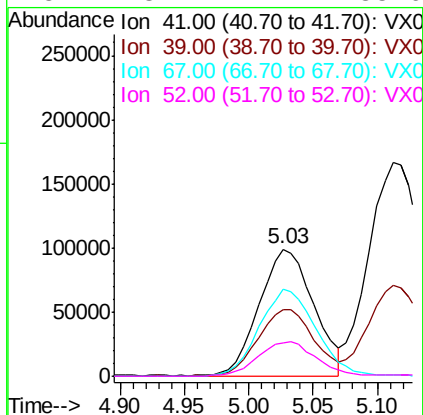
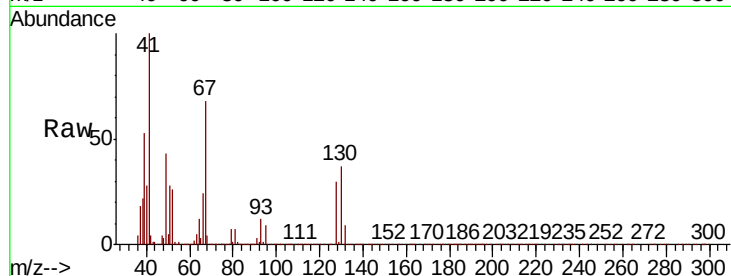
#41
Methacrylonitrile
Concen: 51.209 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

Tot Ion	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	

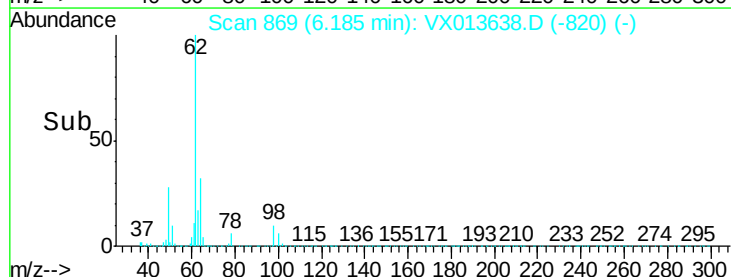
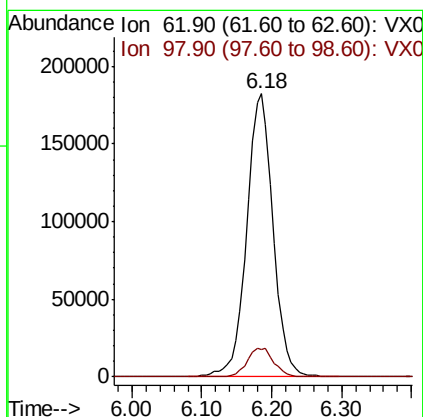
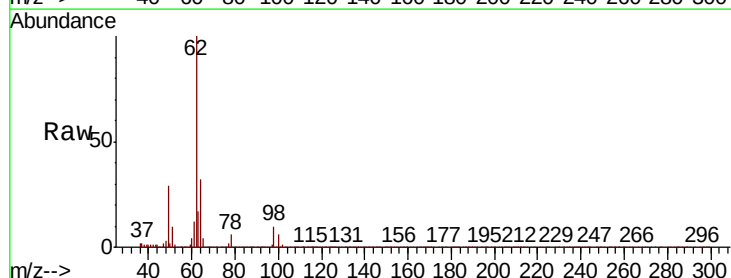
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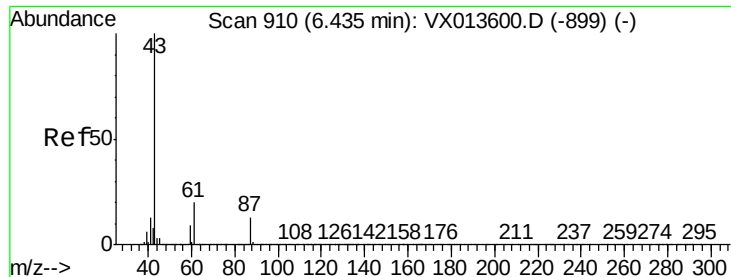
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#42
1,2-Dichloroethane
Concen: 49.538 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.8	





#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

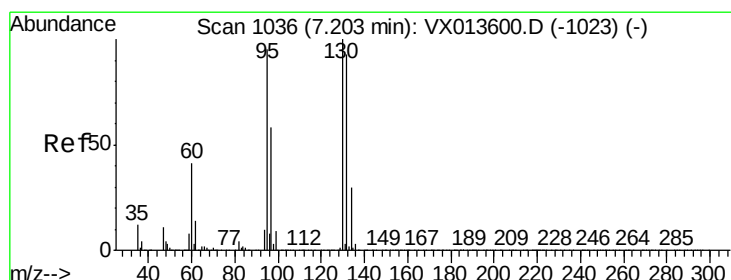
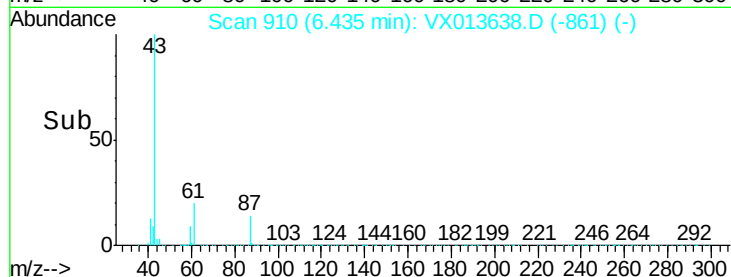
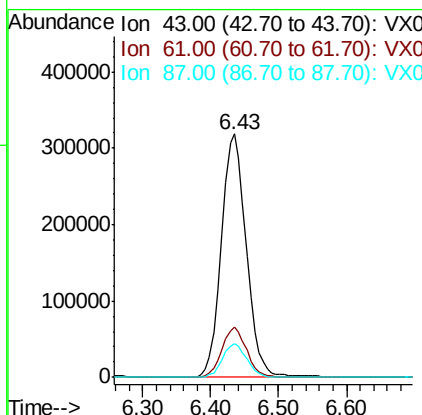
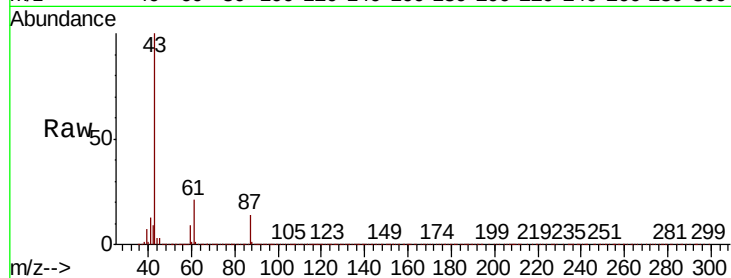
ClientSampleId :

GR-OF-20191121MSD

Tot Ion:	43	Resp:	806445
Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.3	24.5
87	13.5	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 47.606 ug/l

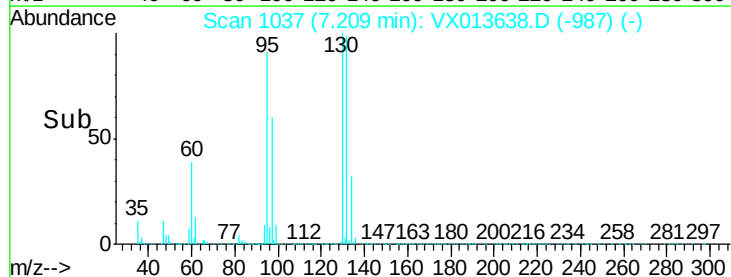
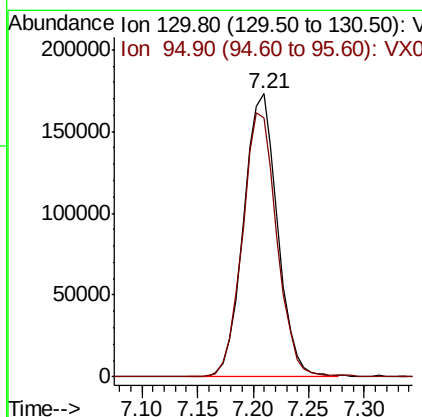
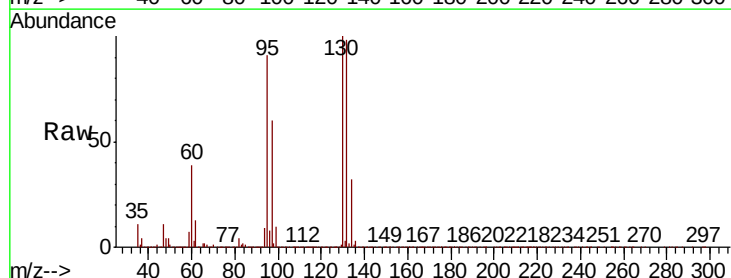
RT: 7.21 min Scan# 1037

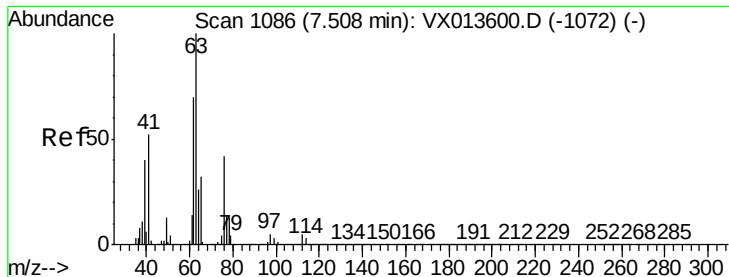
Delta R.T. 0.01 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Tgt Ion:	130	Resp:	365910
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	190.8





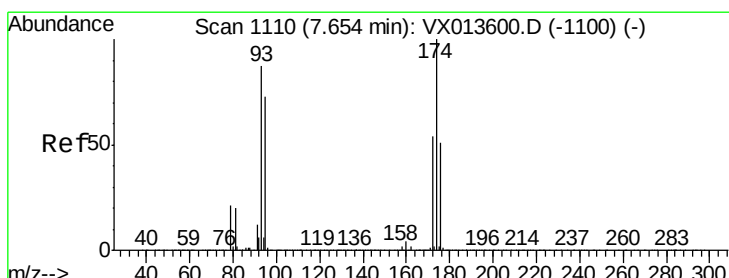
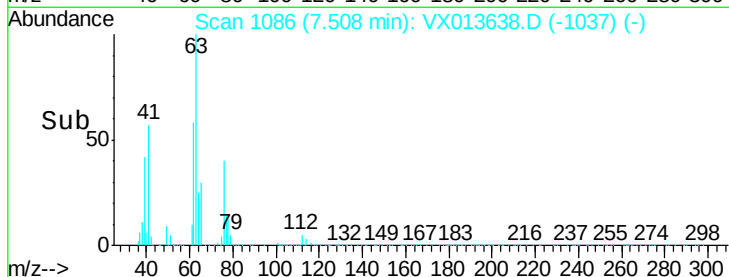
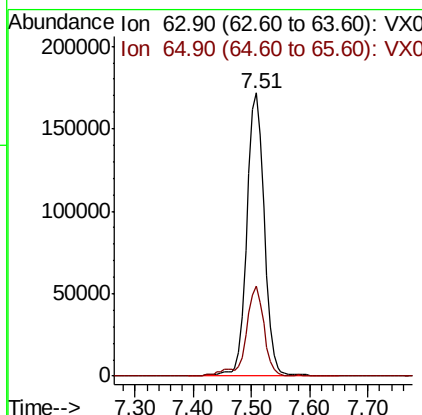
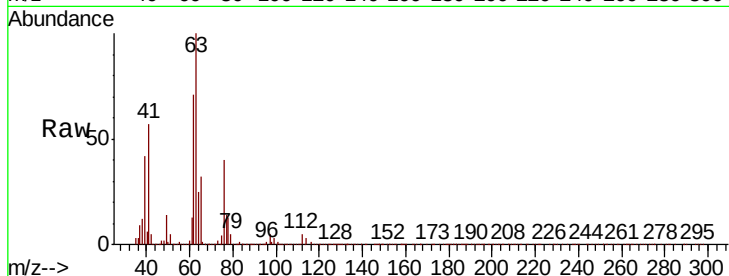
#45
 1,2-Dichloropropane
 Concen: 50.876 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20191121MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.5	38.3

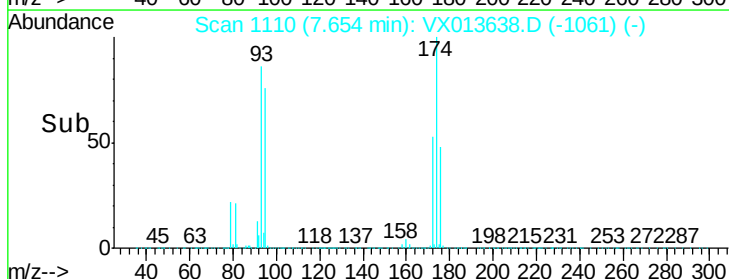
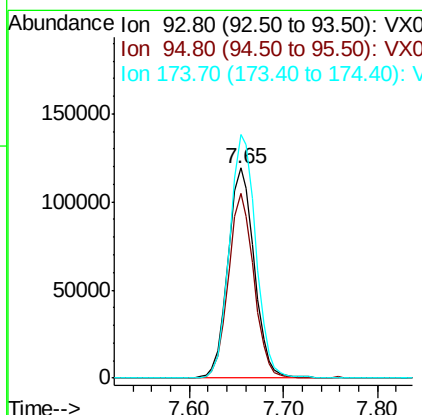
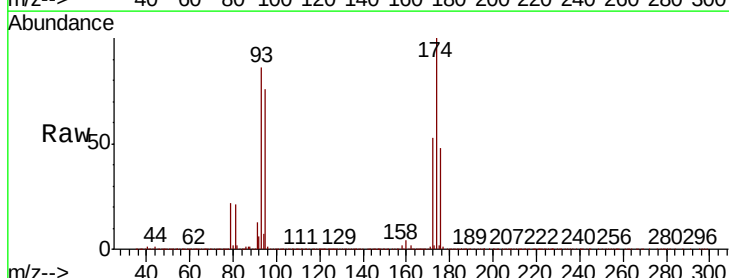
Manual Integrations
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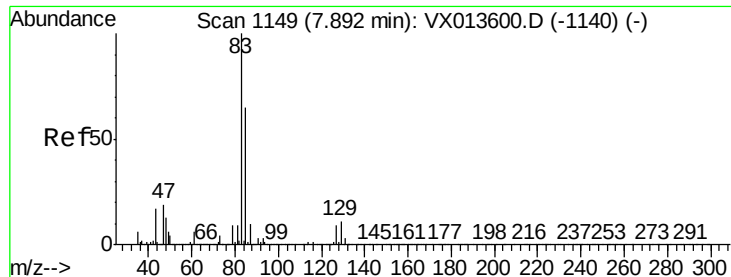
apatel
 11/27/2019 4:29:11 PM



#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	Ratio	Lower	Upper
93	100		
95	85.7	66.2	99.2
174	116.5	93.4	140.0





#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

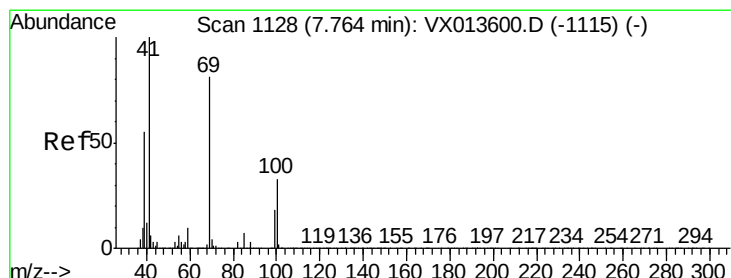
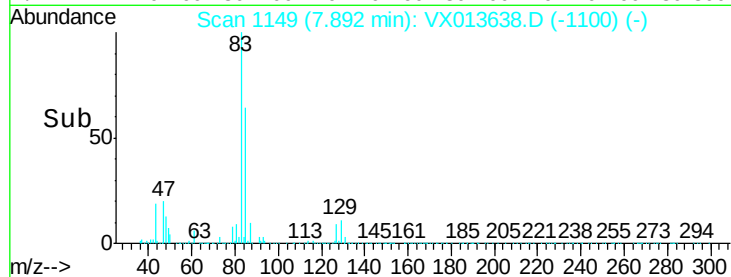
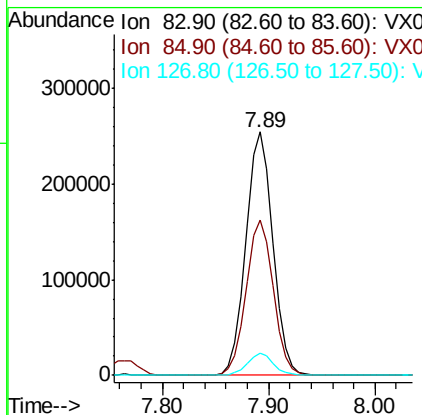
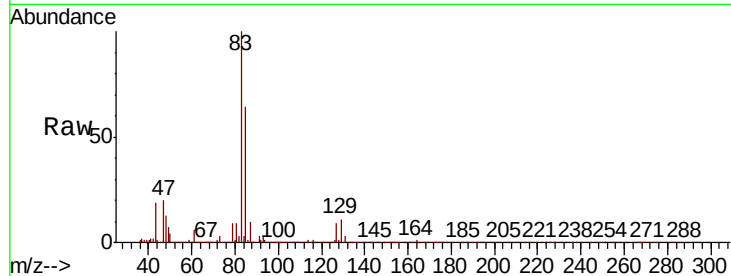
ClientSampleId :

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

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#48

Methyl methacrylate

Concen: 51.344 ug/l

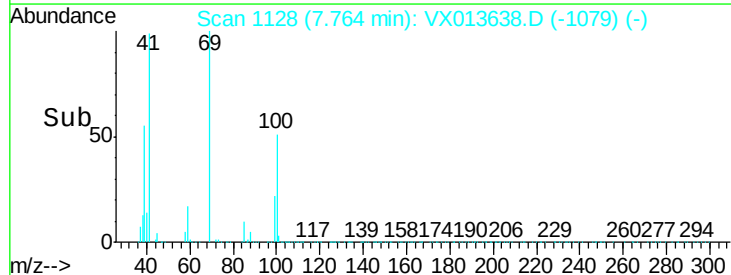
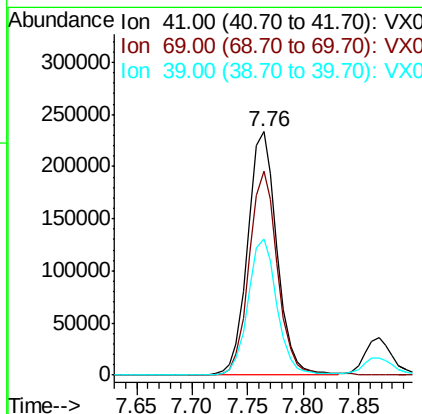
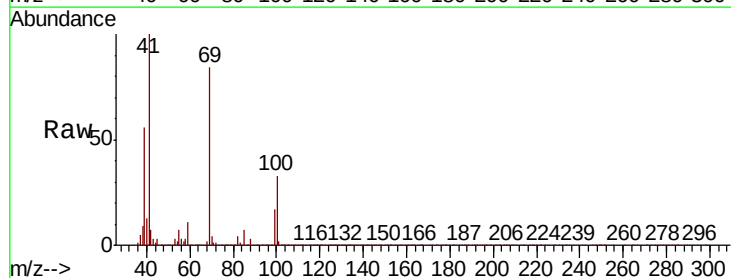
RT: 7.76 min Scan# 1128

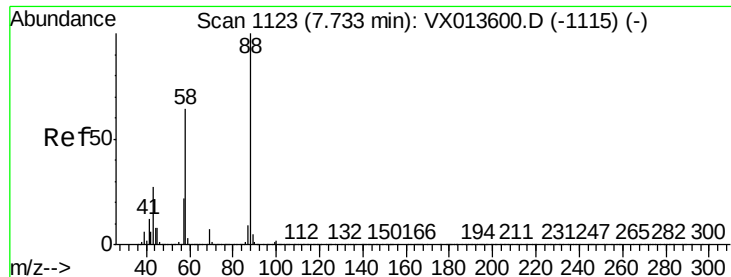
Delta R.T. 0.00 min

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





#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

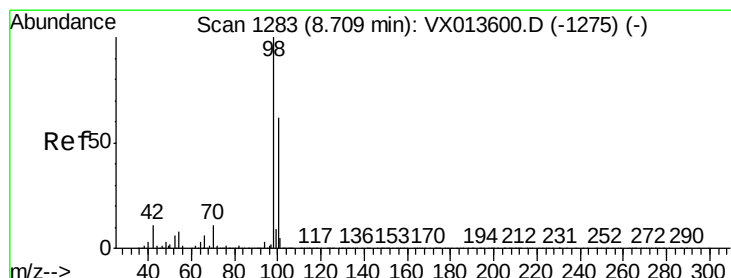
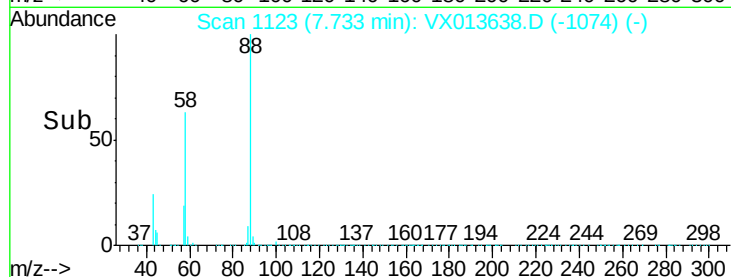
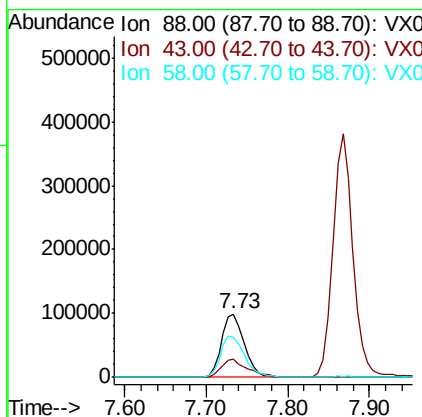
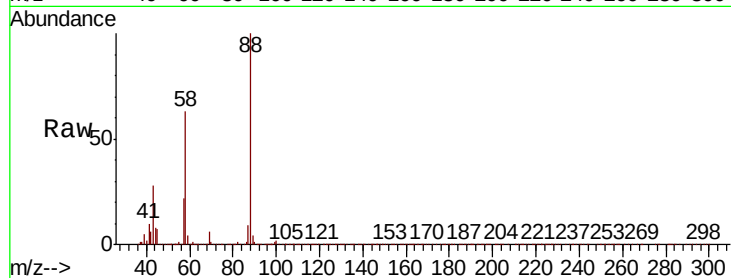
ClientSampleId :

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

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#50

Toluene-d8

Concen: 47.470 ug/l

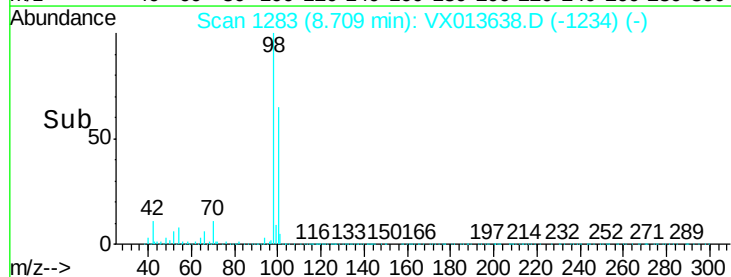
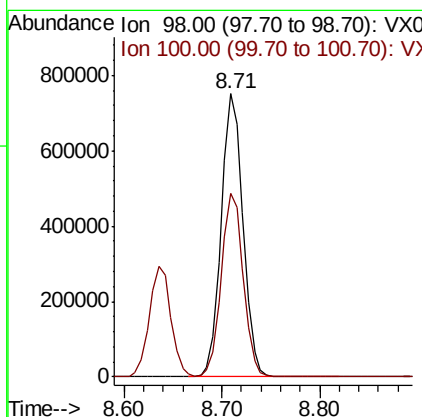
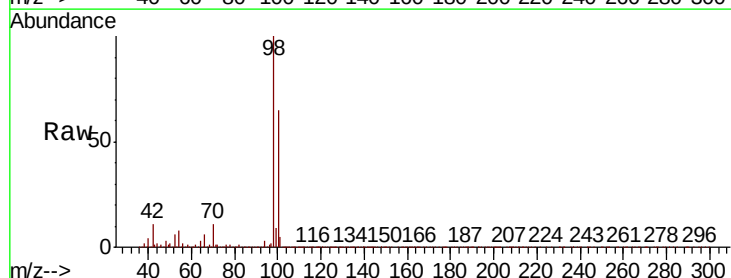
RT: 8.71 min Scan# 1283

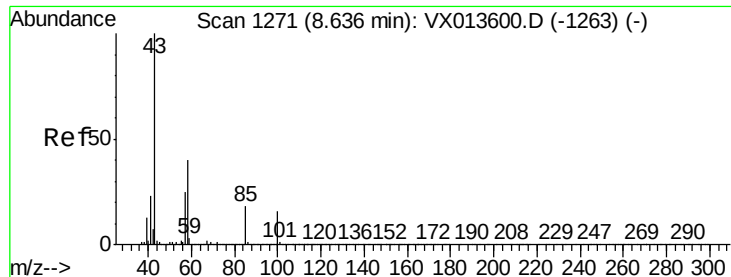
Delta R.T. 0.00 min

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

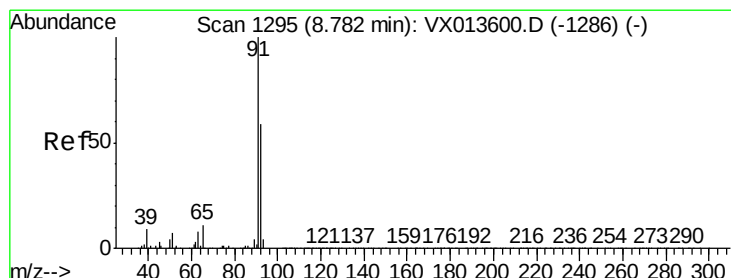
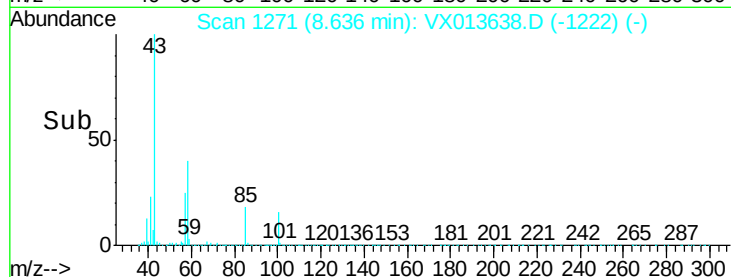
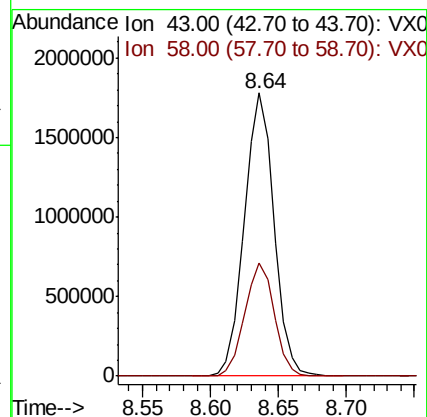
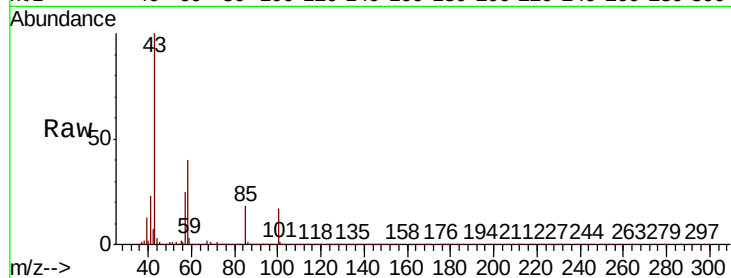
58 40.1 32.1 48.1

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#52

Toluene

Concen: 50.252 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013638.D

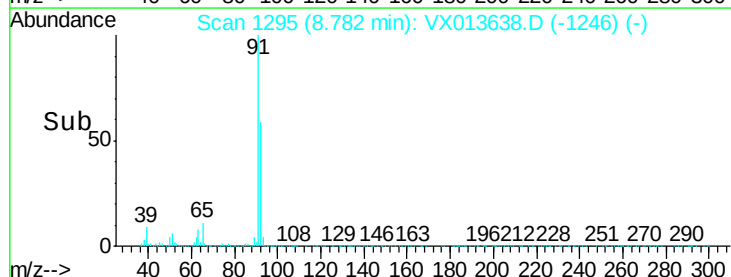
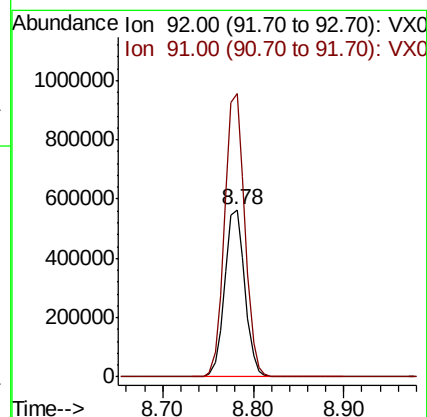
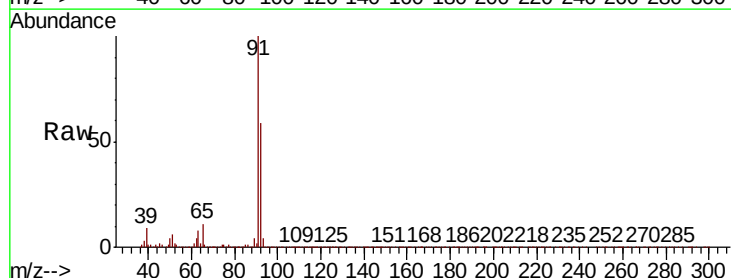
Acq: 27 Nov 2019 07:22

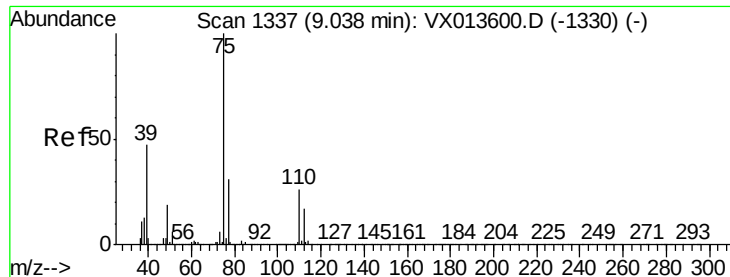
Tgt Ion: 92 Resp: 874303

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

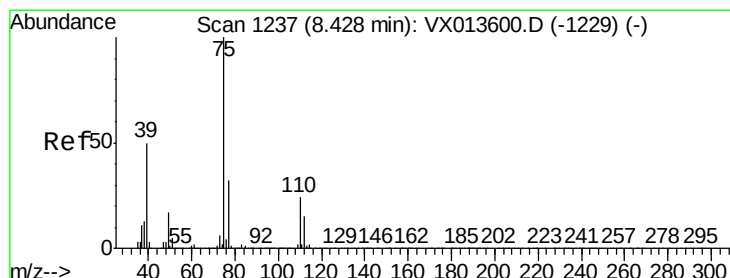
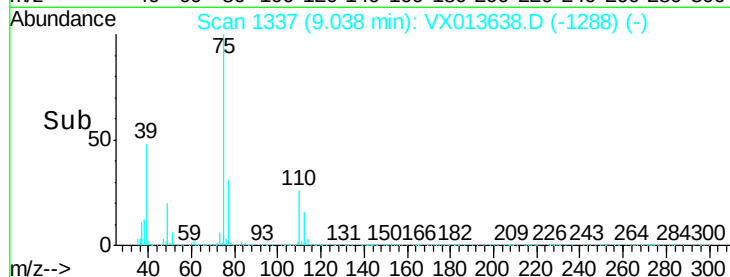
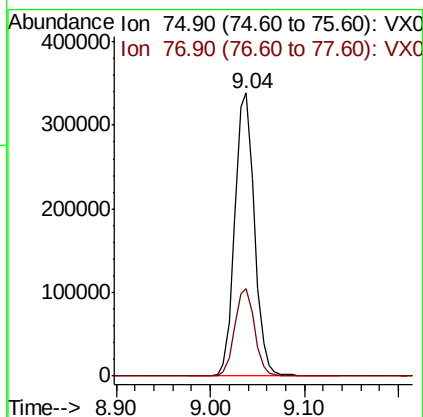
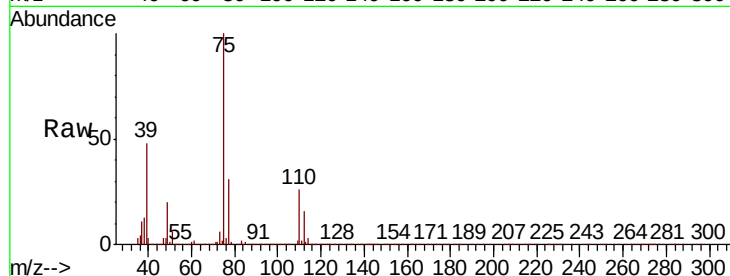
77 31.0 24.4 36.6

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#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

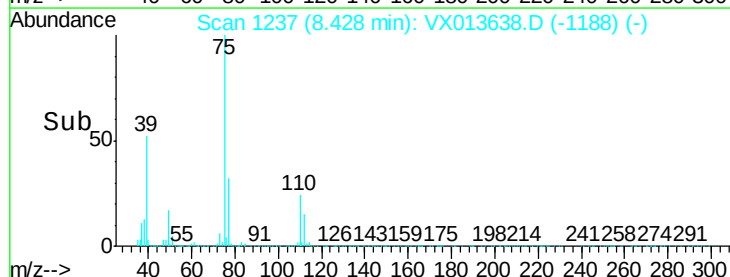
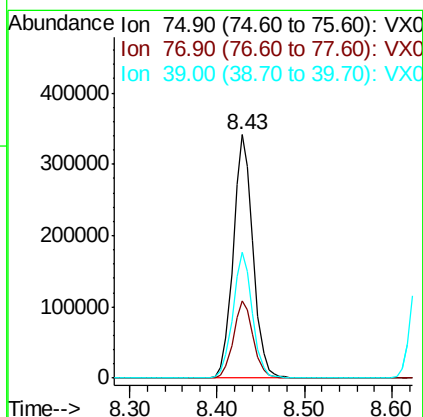
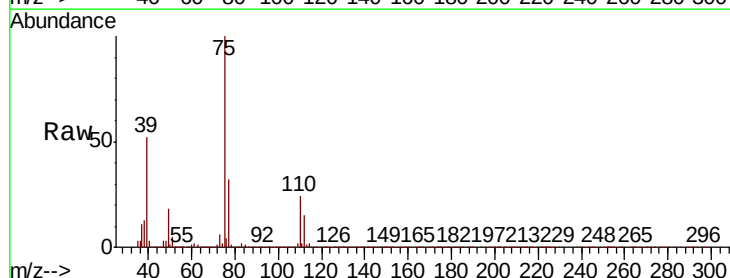
Tgt Ion: 75 Resp: 537693

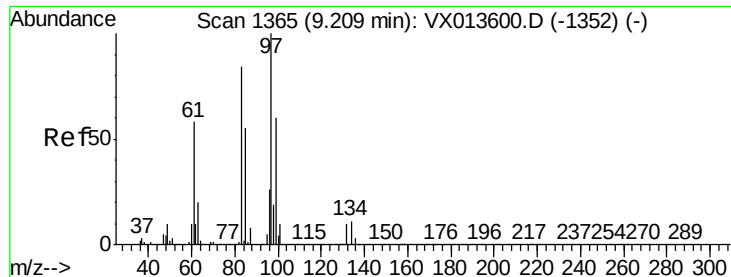
Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6

39 51.5 39.9 59.9





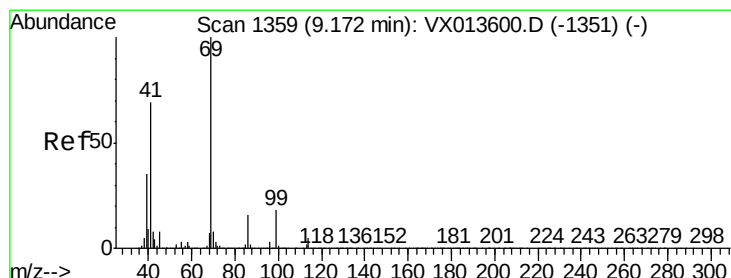
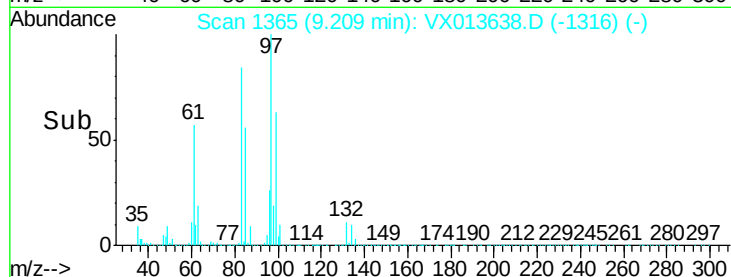
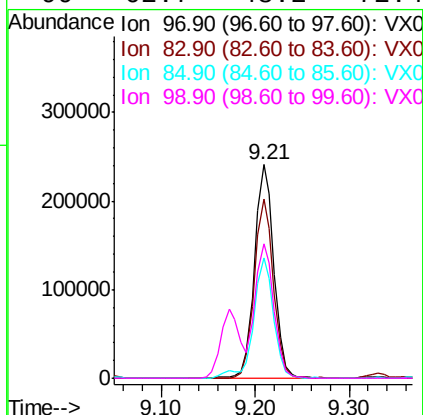
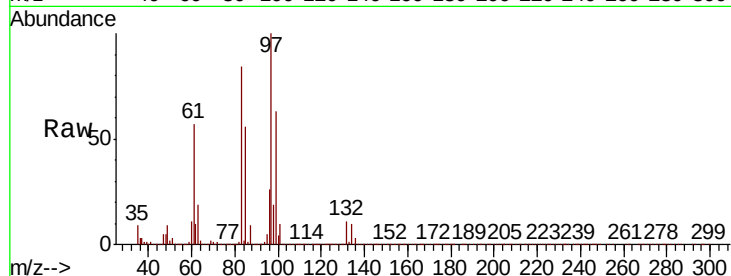
#55
 1,1,2-Trichloroethane
 Concen: 50.036 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20191121MSD

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

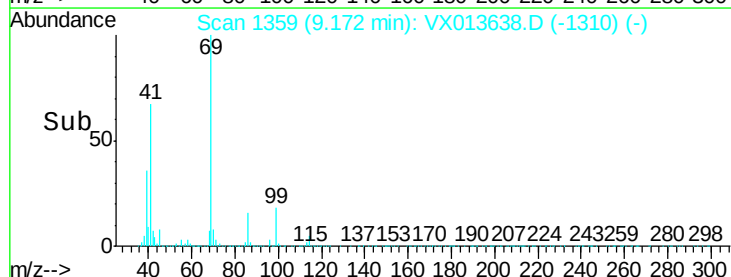
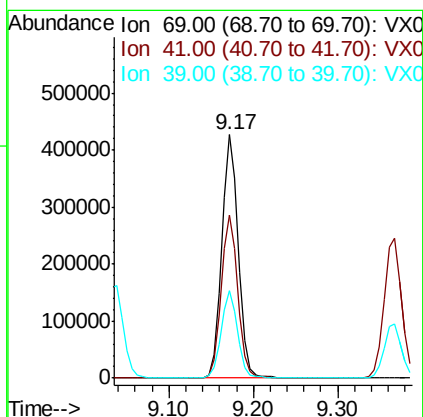
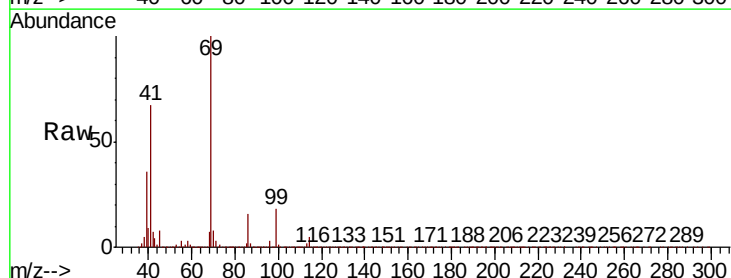
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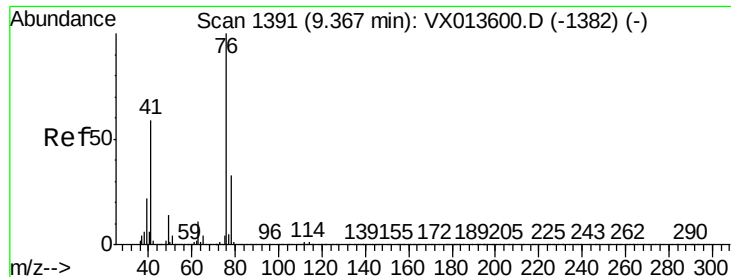
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#56
 Ethyl methacrylate
 Concen: 51.356 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		578901		
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

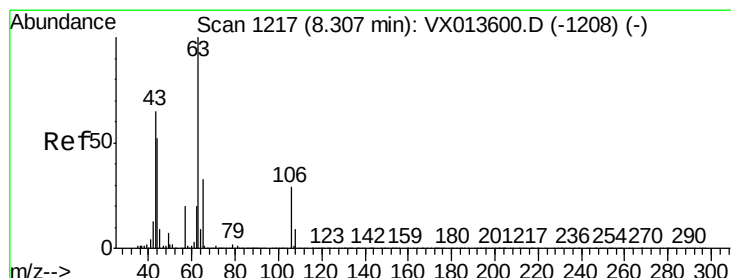
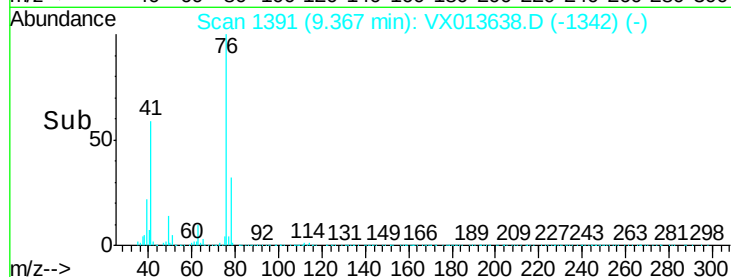
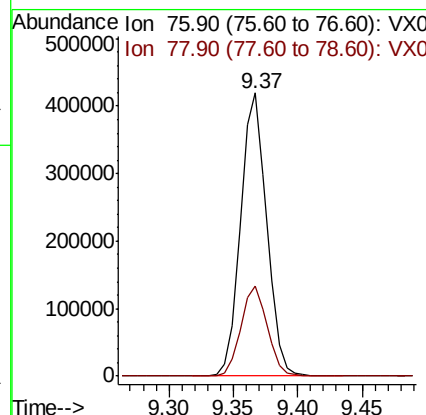
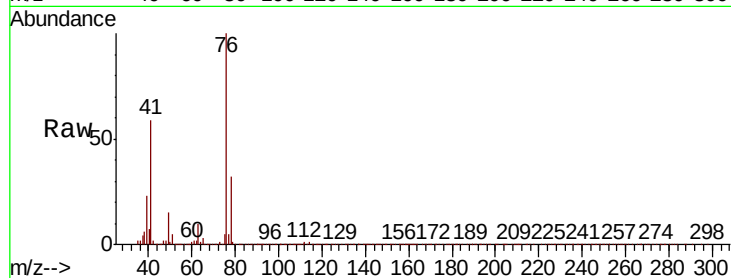
78 32.2 26.0 39.0

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#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

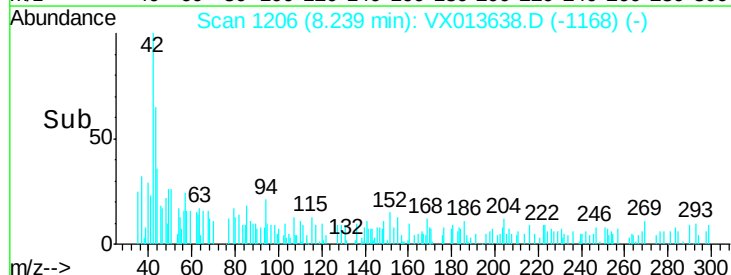
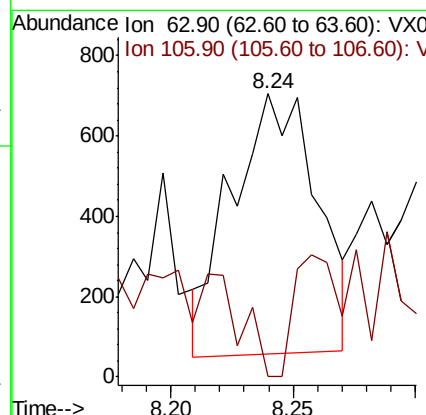
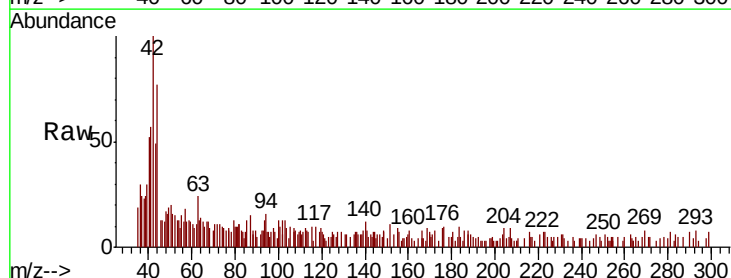
Acq: 27 Nov 2019 07:22

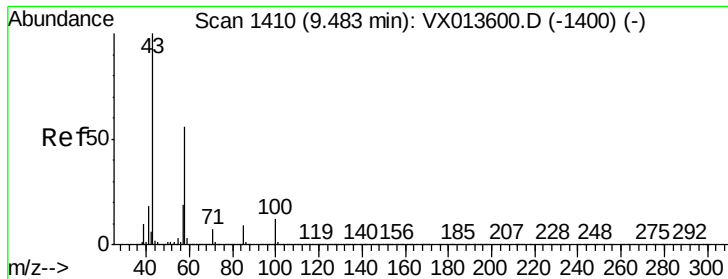
Tgt Ion: 63 Resp: 1567

Ion Ratio Lower Upper

63 100

106 23.5 23.4 35.0





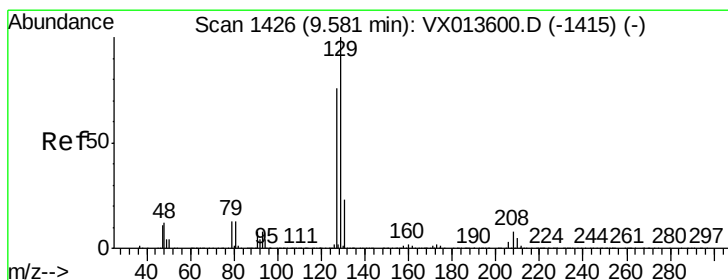
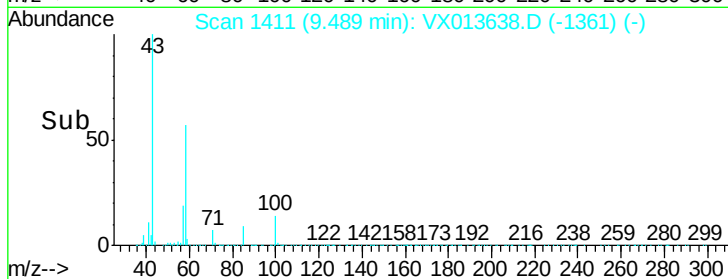
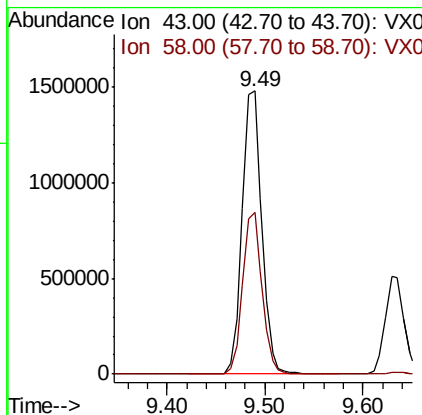
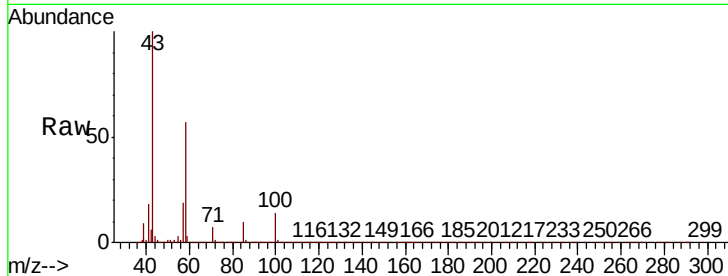
#59
2-Hexanone
Concen: 248.264 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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

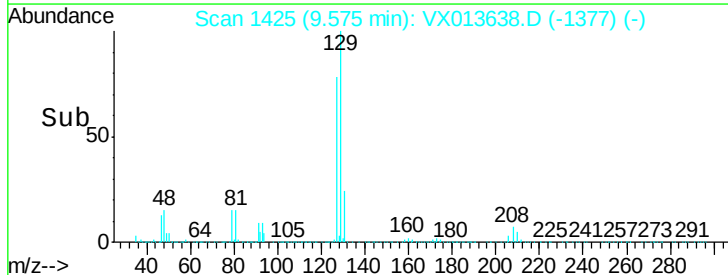
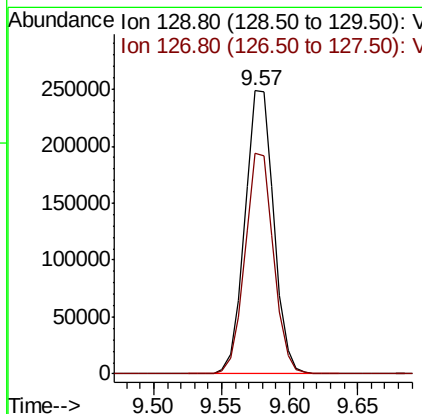
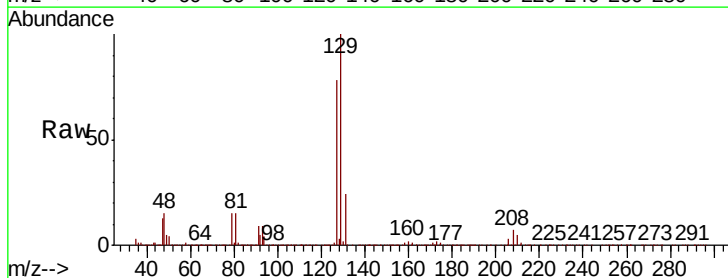
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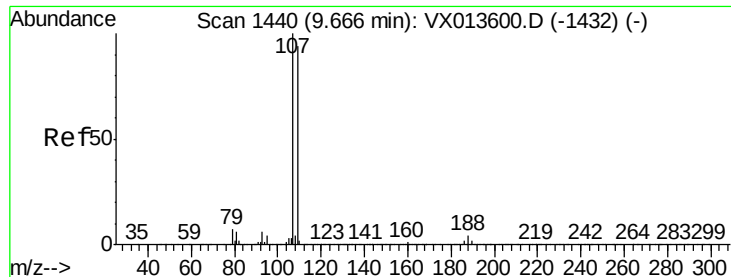
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#60
Dibromochloromethane
Concen: 50.755 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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

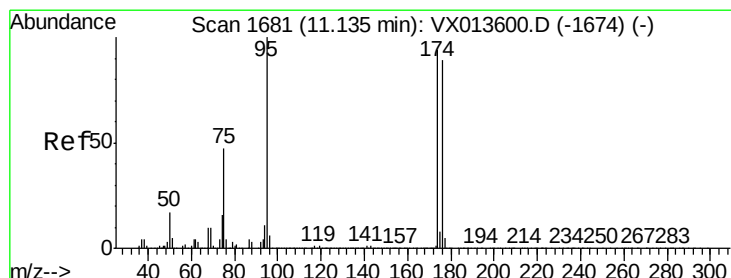
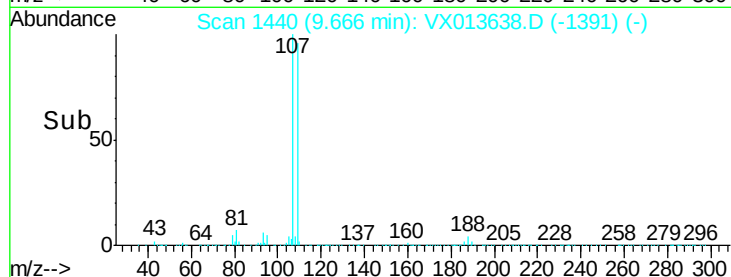
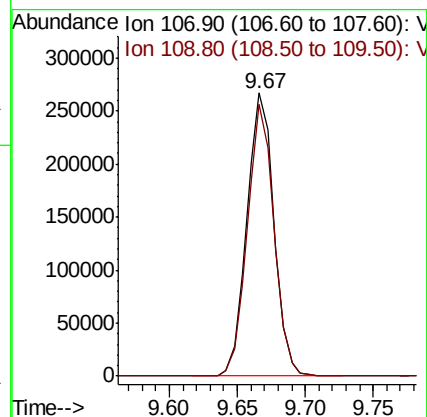
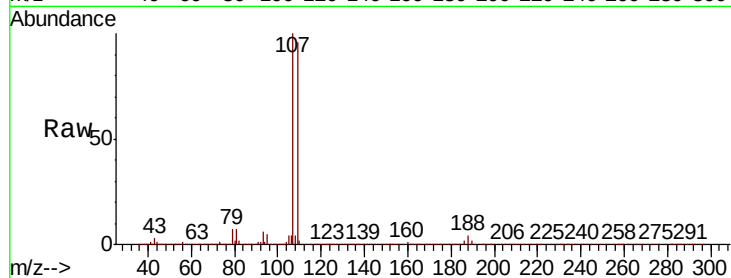
109 94.5 76.1 114.1

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#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

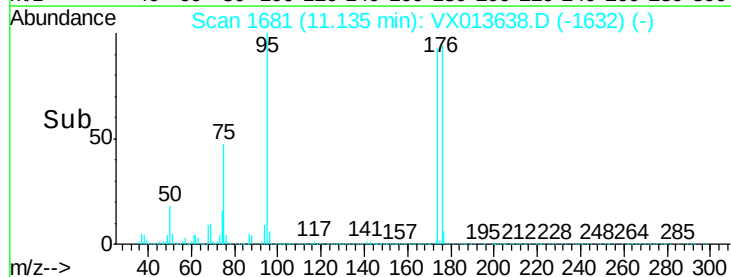
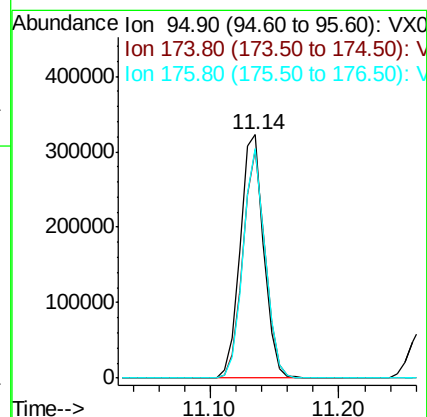
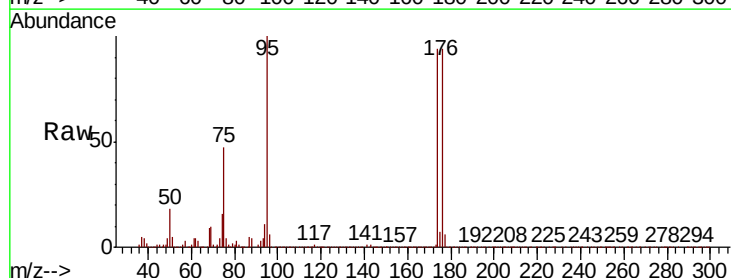
Tgt Ion: 95 Resp: 410646

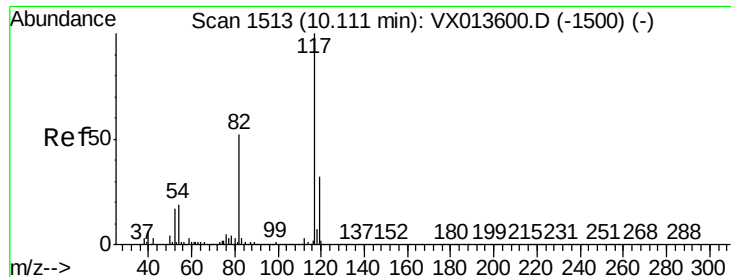
Ion Ratio Lower Upper

95 100

174 88.5 0.0 180.0

176 88.2 0.0 173.6





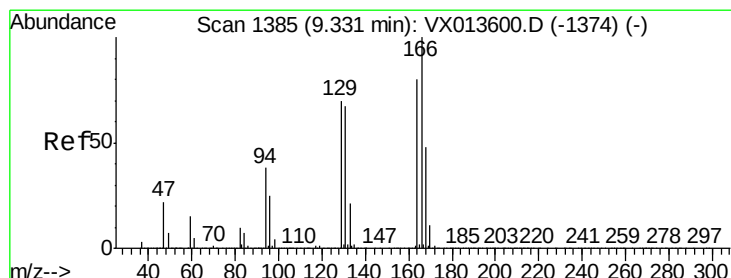
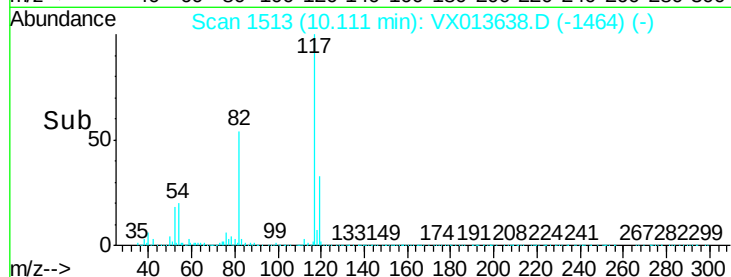
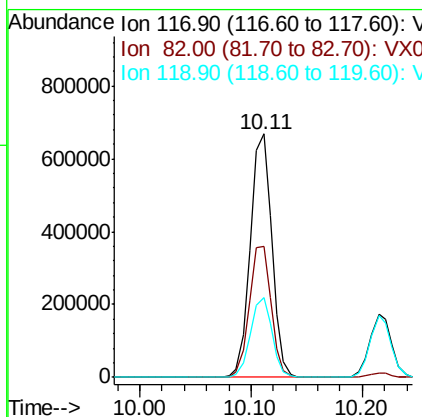
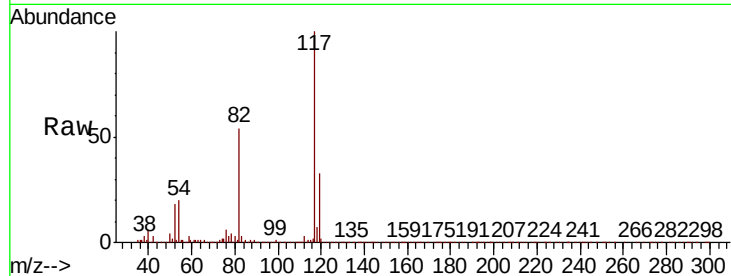
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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

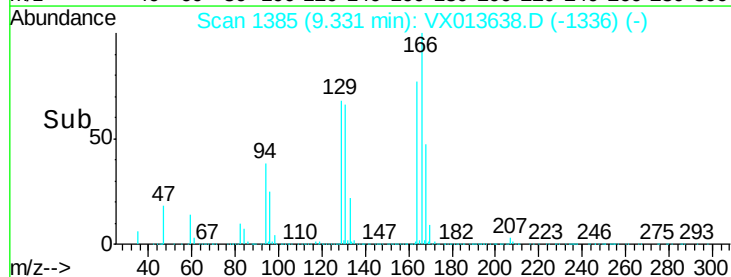
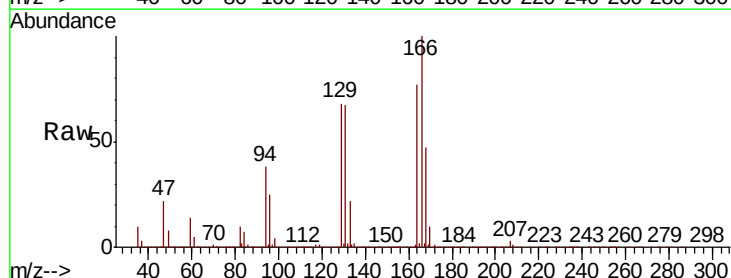
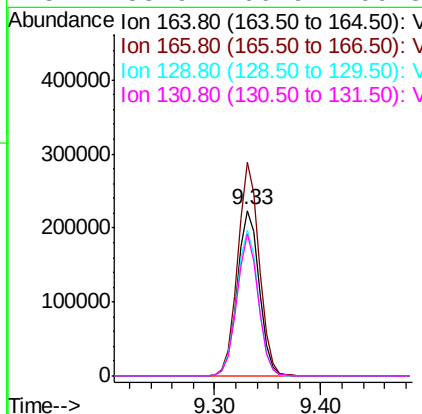
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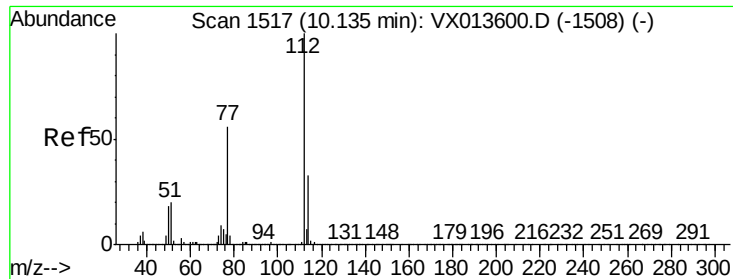
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#64
Tetrachloroethene
Concen: 48.103 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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





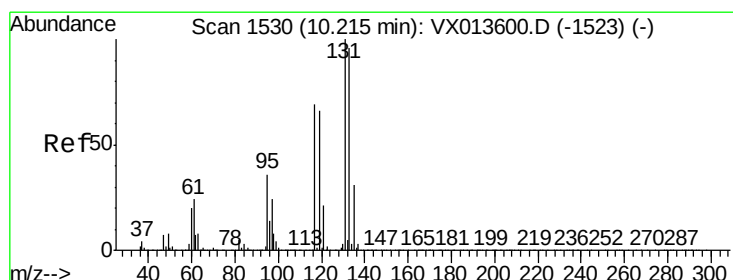
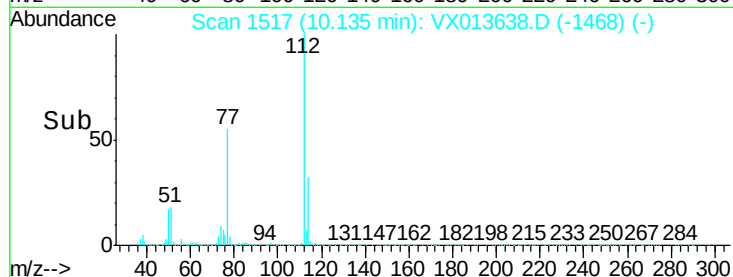
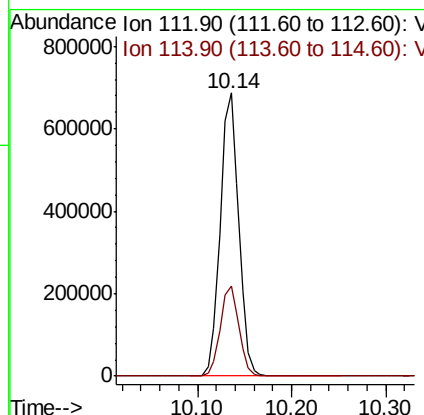
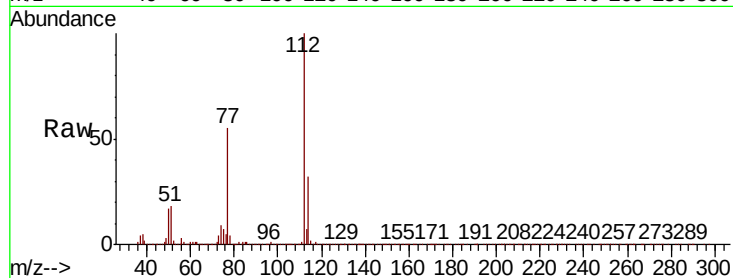
#65
Chlorobenzene
Concen: 49.809 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.1	39.1

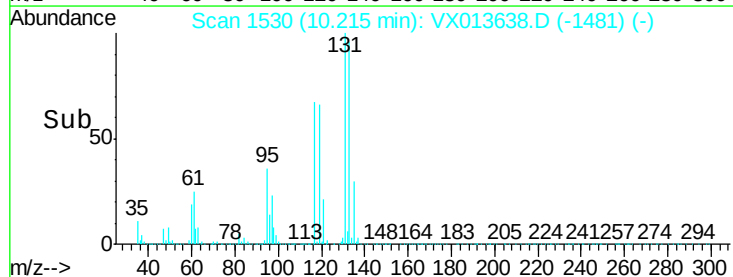
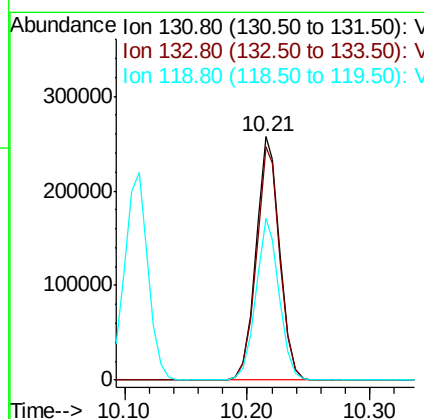
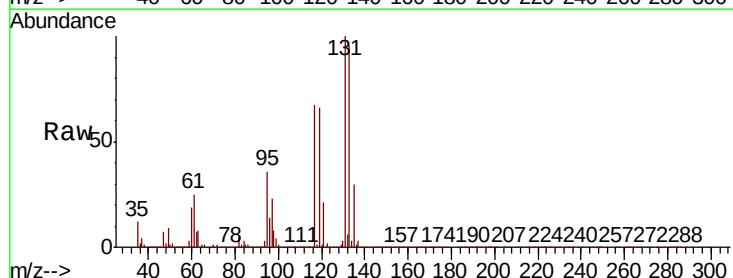
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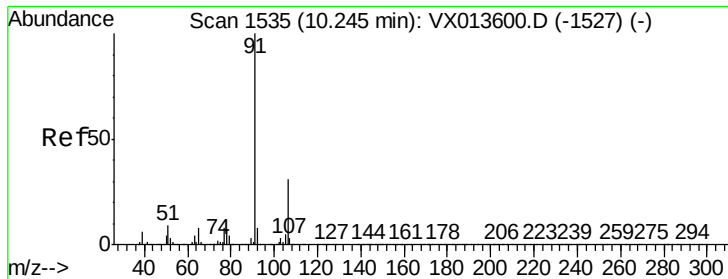
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.430 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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





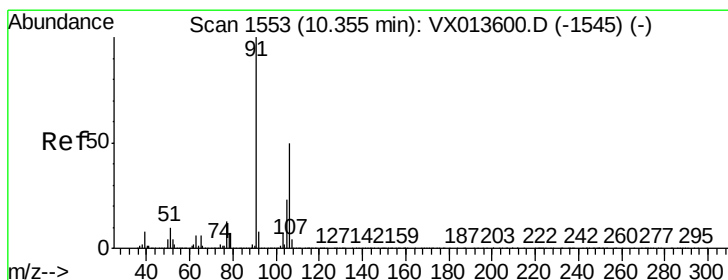
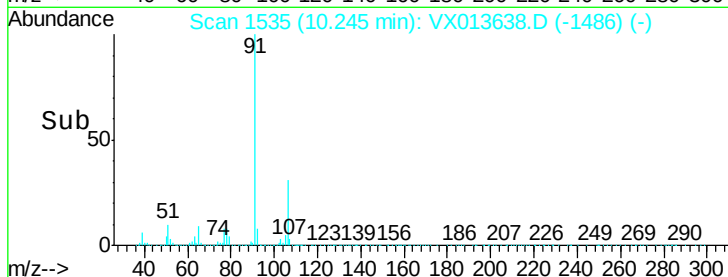
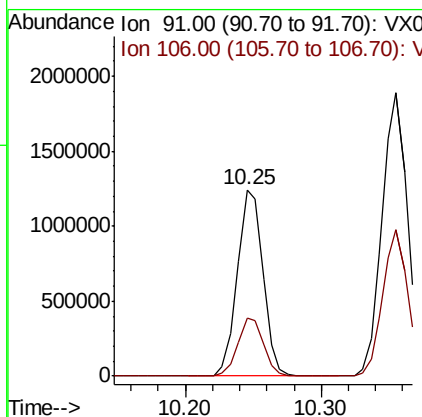
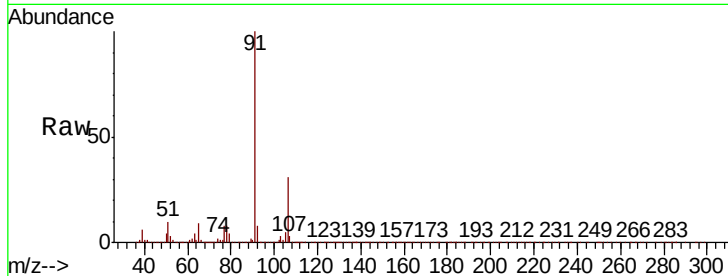
#67
Ethyl Benzene
Concen: 50.840 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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

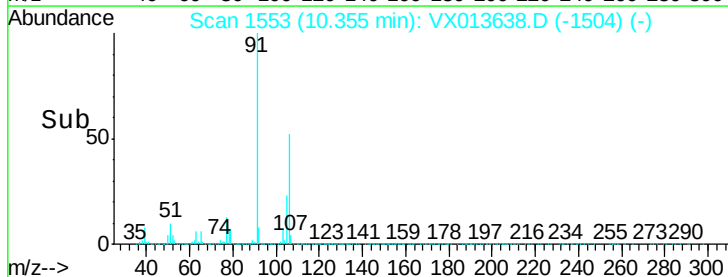
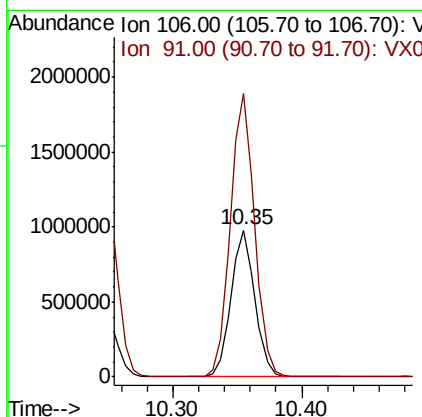
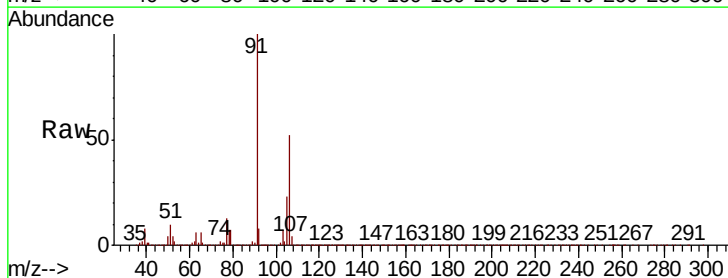
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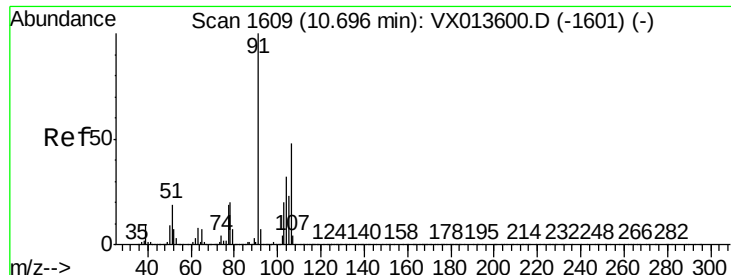
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#68
m/p-Xylenes
Concen: 102.177 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion: 106 Resp: 1257122
Ion Ratio Lower Upper
106 100
91 197.4 159.0 238.4





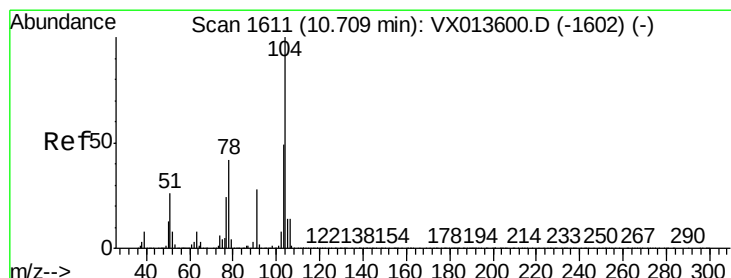
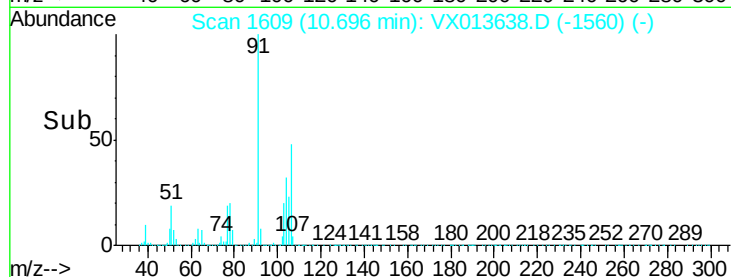
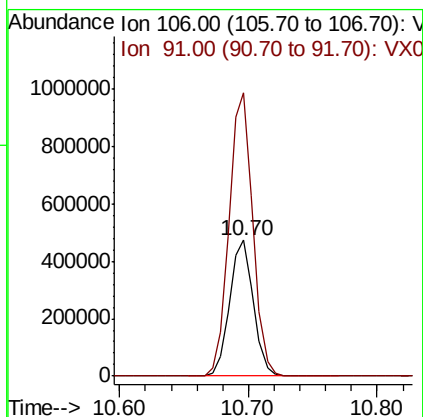
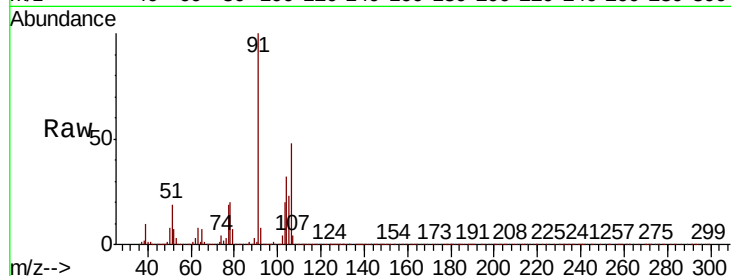
#69
o-Xylene
Concen: 50.741 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.0	104.1	312.2

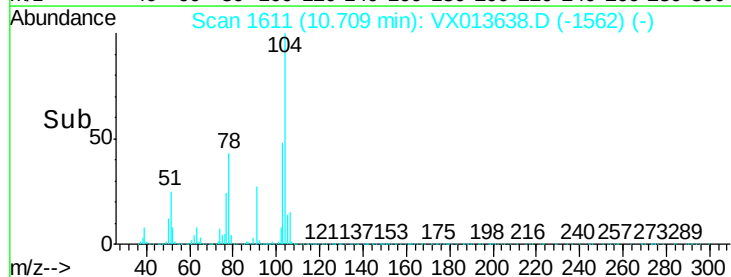
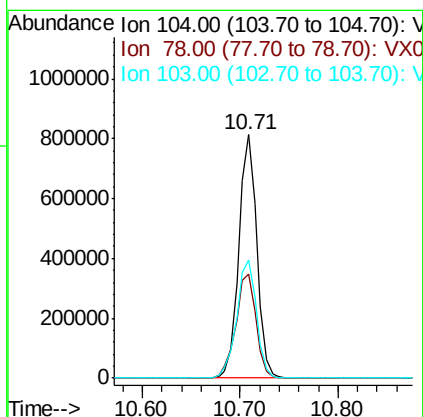
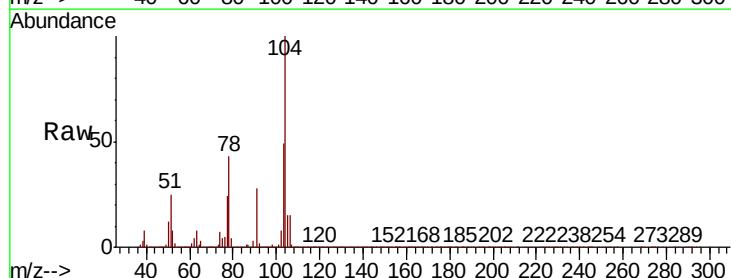
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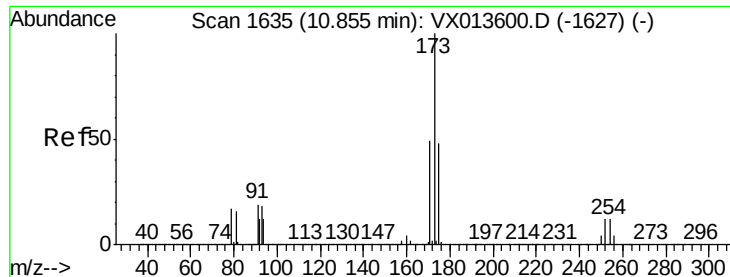
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#70
Styrene
Concen: 51.176 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

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





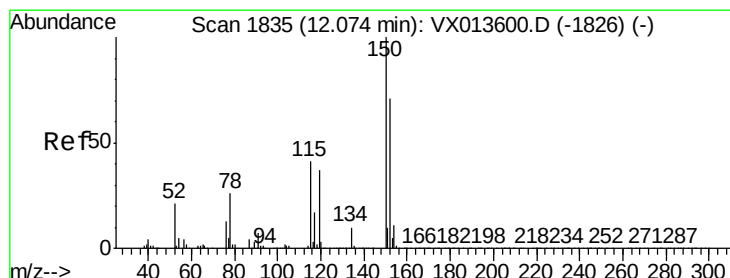
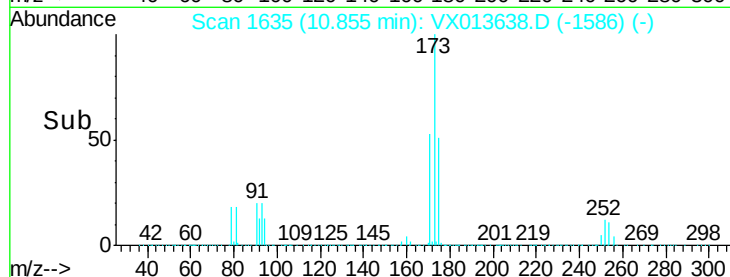
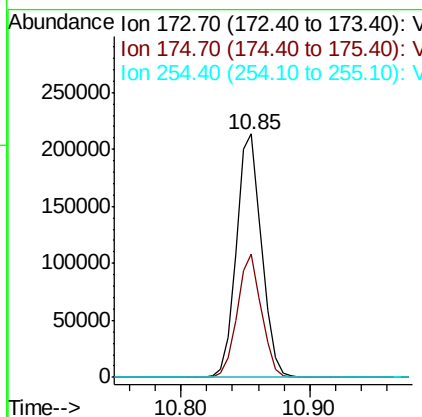
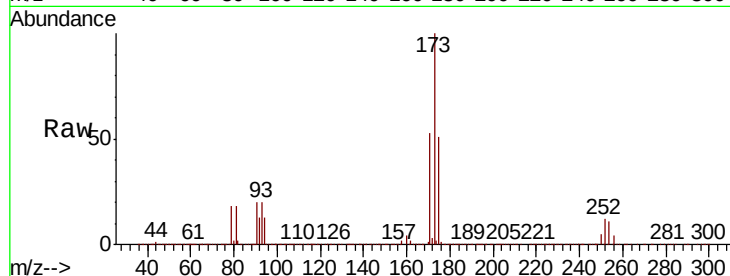
#71
Bromoform
Concen: 51.908 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.8
254	0.2	0.2	0.4

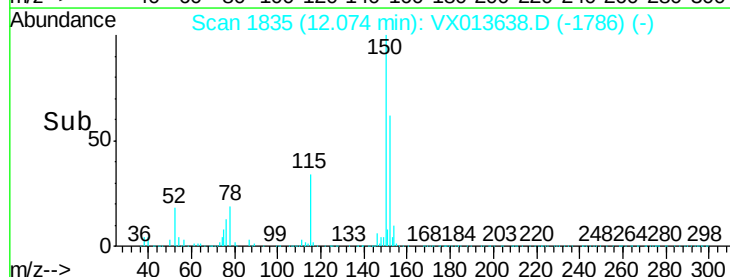
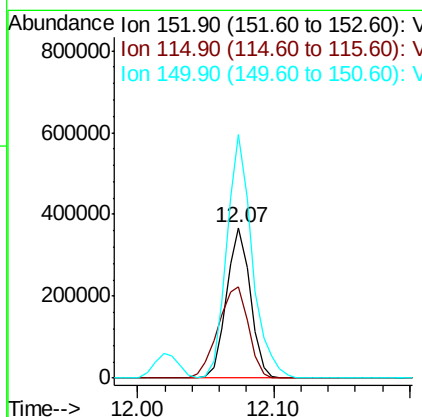
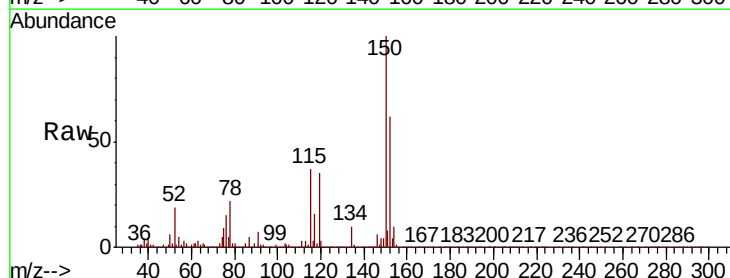
Manual Integrations
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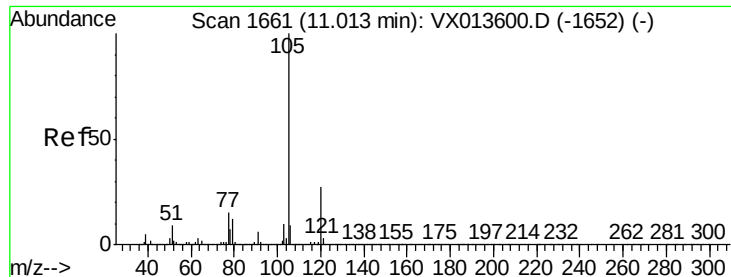
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.7	38.4	115.1
150	173.9	0.0	346.8





#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

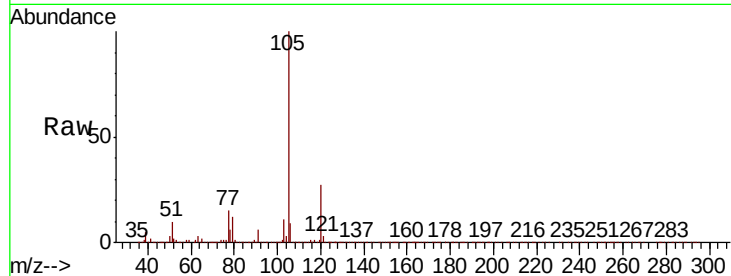
120 27.1 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

1500000 Ion 120.00 (119.70 to 120.70): V

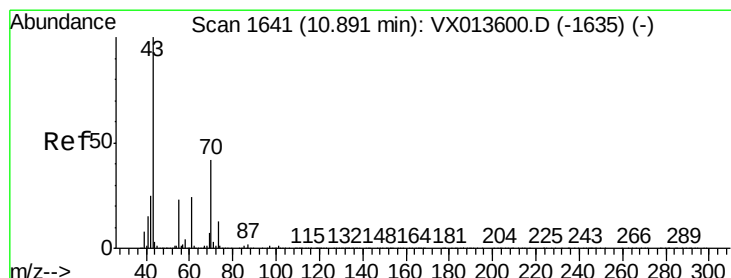
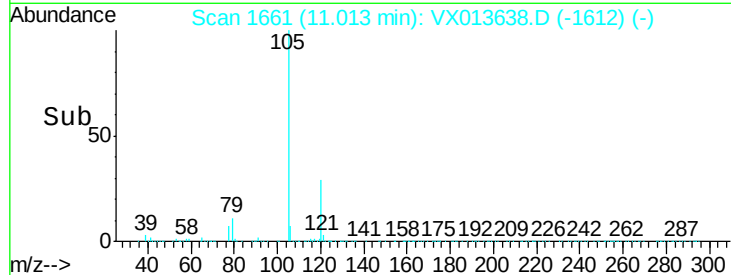
11.01

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

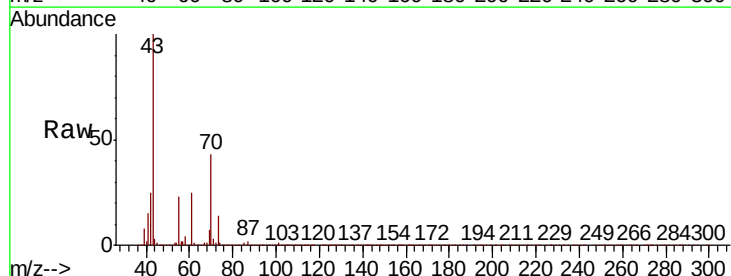
Ion Ratio Lower Upper

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

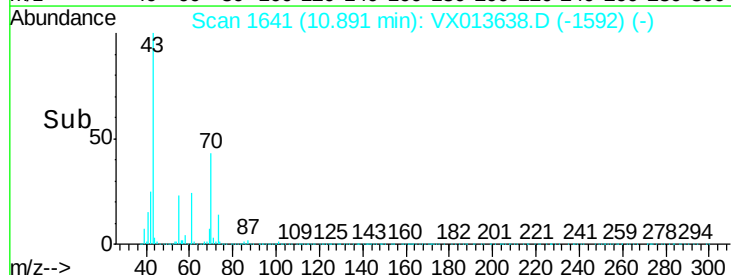
600000

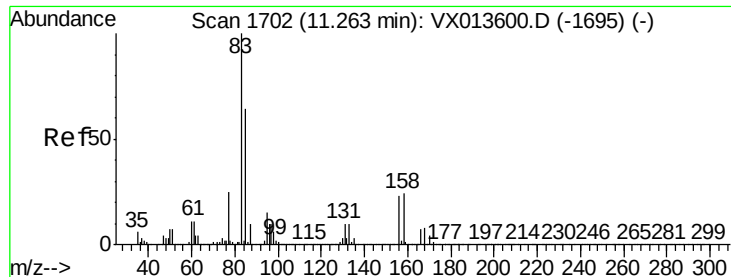
400000

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

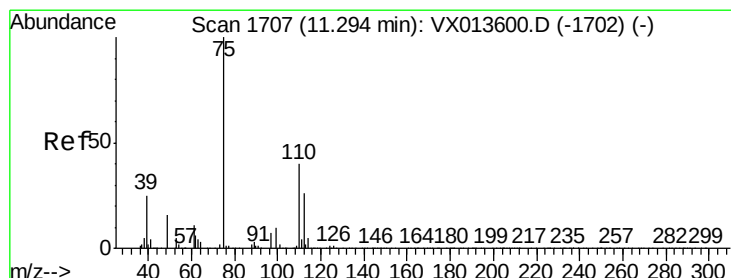
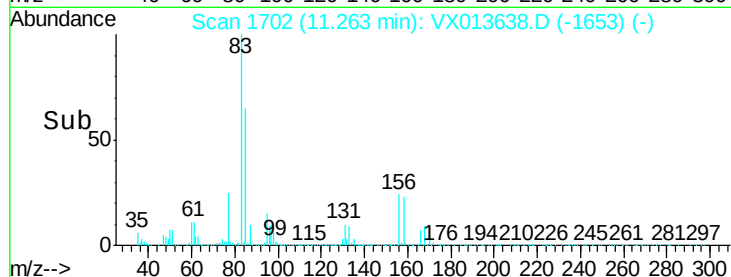
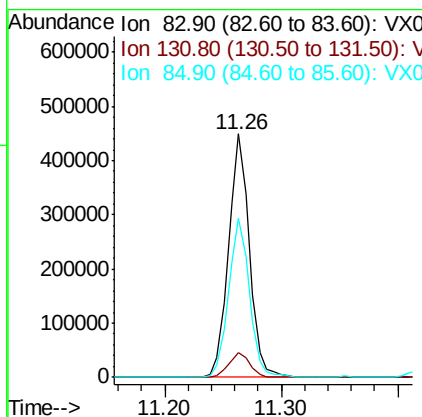
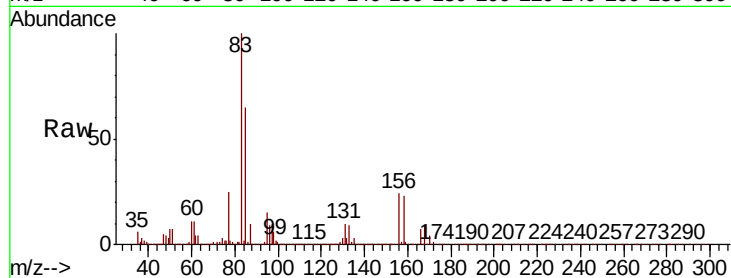
ClientSampleId :

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

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#76

1,2,3-Trichloropropane

Concen: 43.412 ug/l m

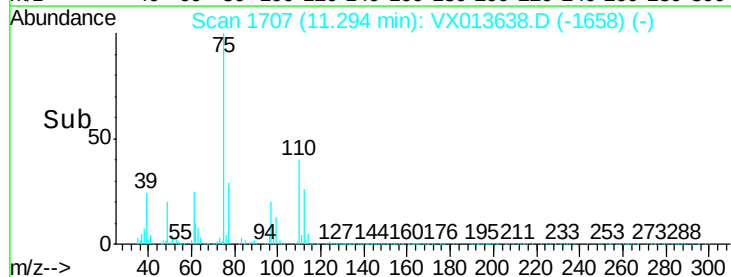
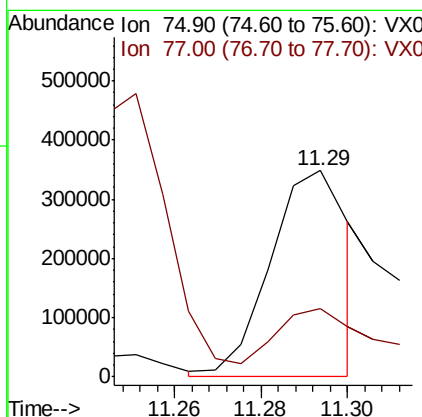
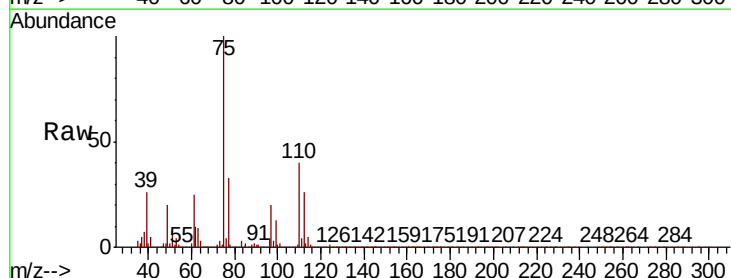
RT: 11.29 min Scan# 1707

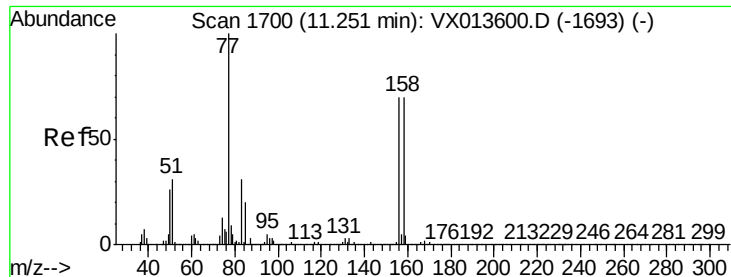
Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Tgt Ion:	75	Resp:	431969
Ion Ratio	Lower	Upper	
75	100		
77	44.4	19.1	57.5





#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

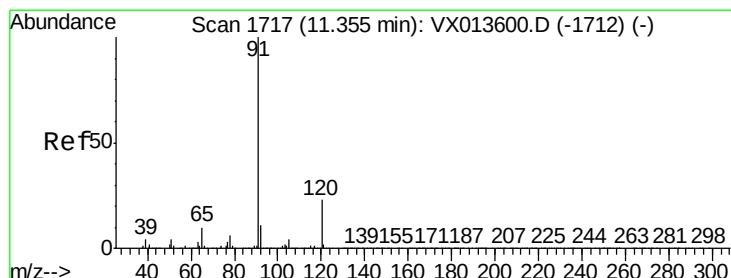
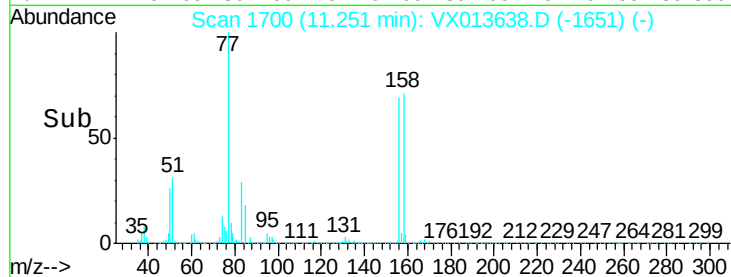
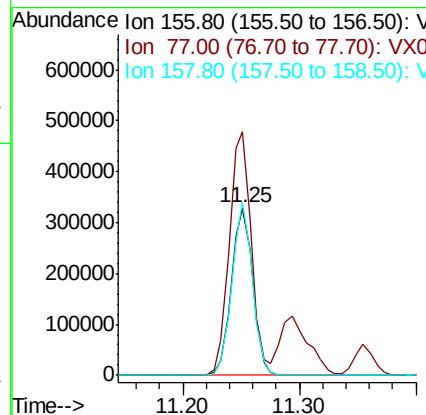
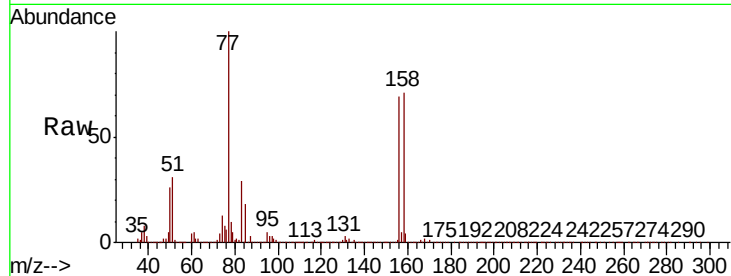
ClientSampleId :

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

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#78

n-propylbenzene

Concen: 50.866 ug/l

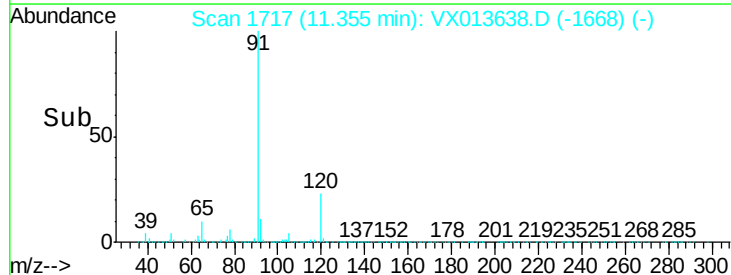
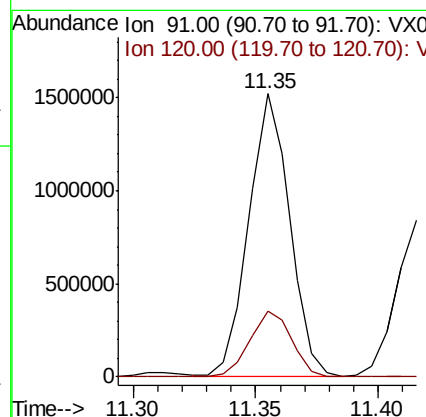
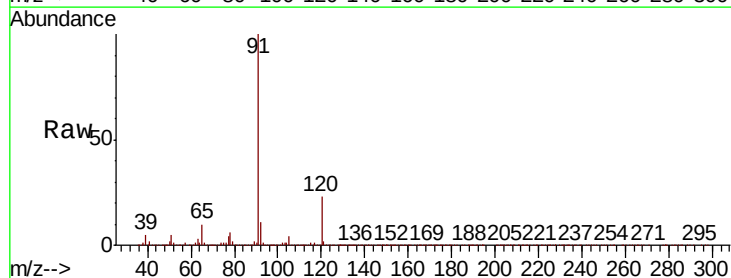
RT: 11.35 min Scan# 1717

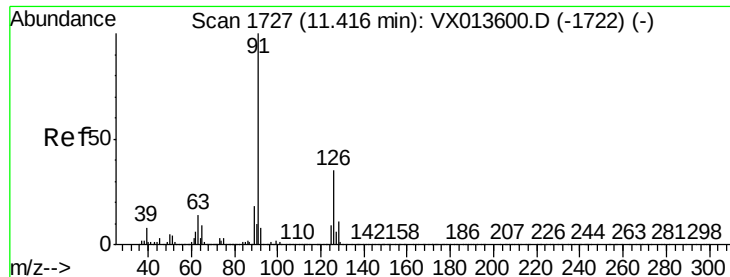
Delta R.T. 0.00 min

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





#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

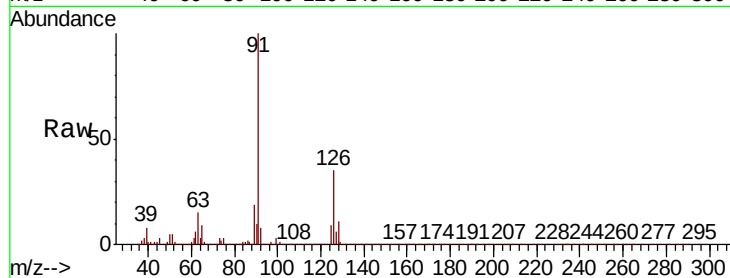
126 35.1 17.5 52.5

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Abundance Ion 91.00 (90.70 to 91.70): VX013600.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX013600.D (-1722) (-)

1500000

1000000

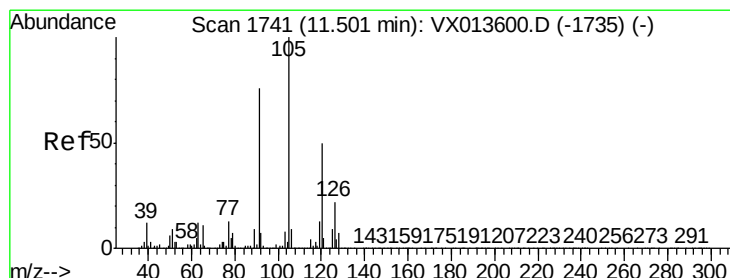
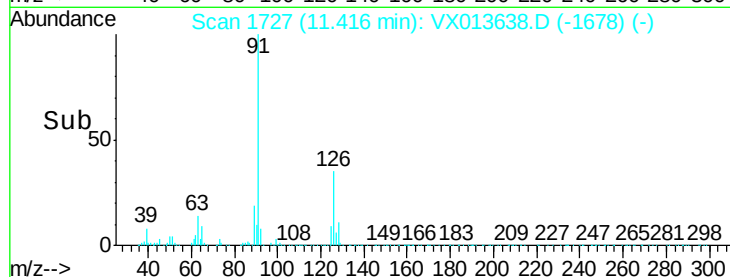
500000

0

11.42

11.45

Time-->



#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

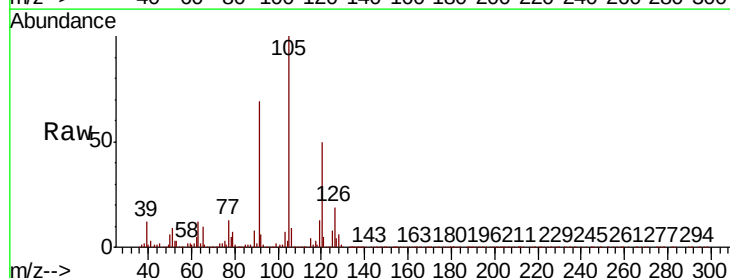
Acq: 27 Nov 2019 07:22

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): VX013600.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX013600.D (-1735) (-)

1200000

1000000

800000

600000

400000

200000

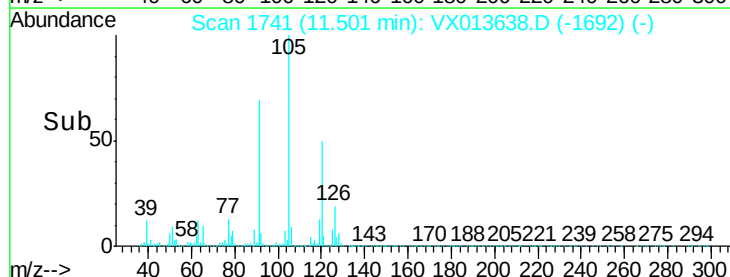
0

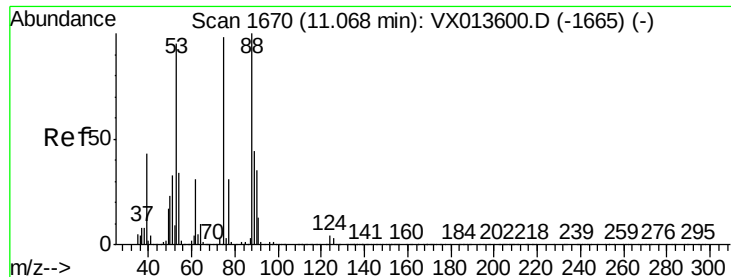
11.50

11.55

11.60

Time-->





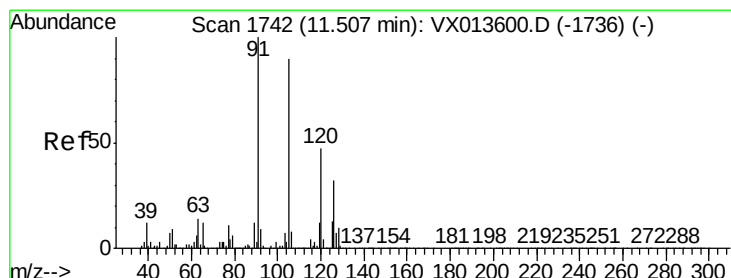
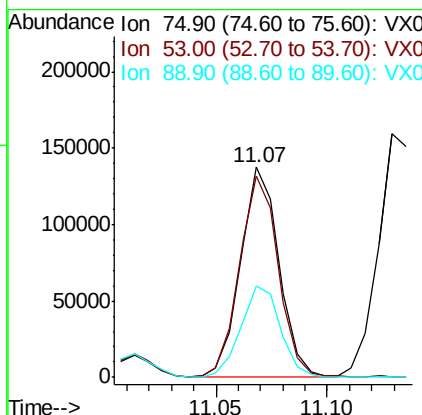
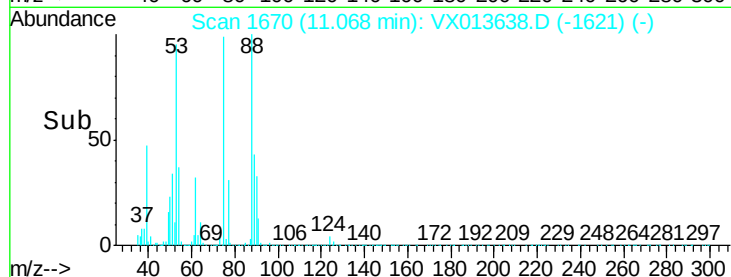
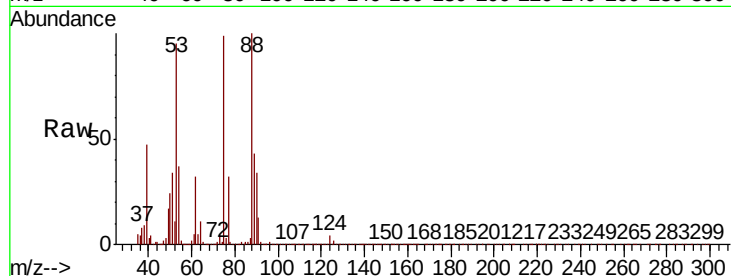
#81
trans-1,4-Dichloro-2-butene
Concen: 45.288 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

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

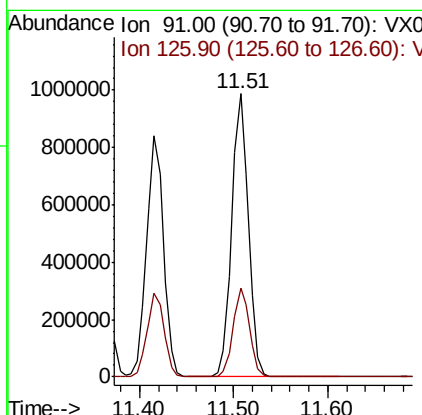
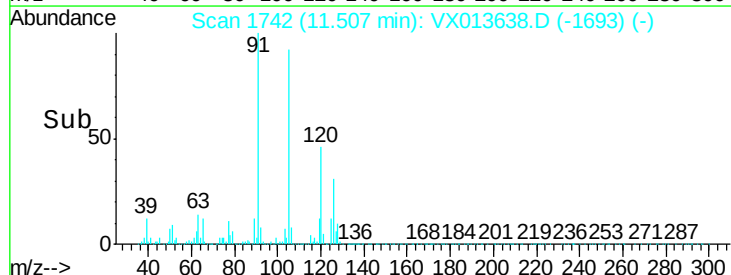
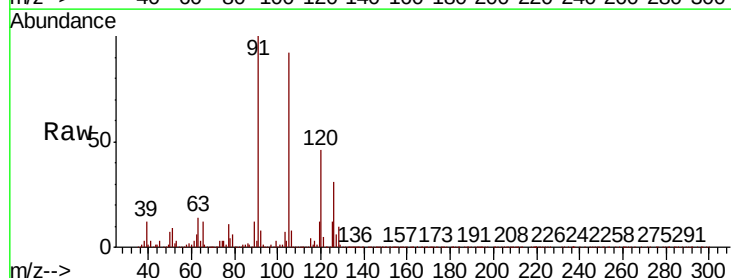
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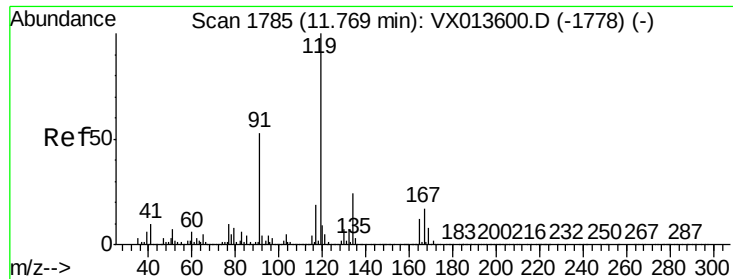
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#82
4-Chlorotoluene
Concen: 50.324 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.0





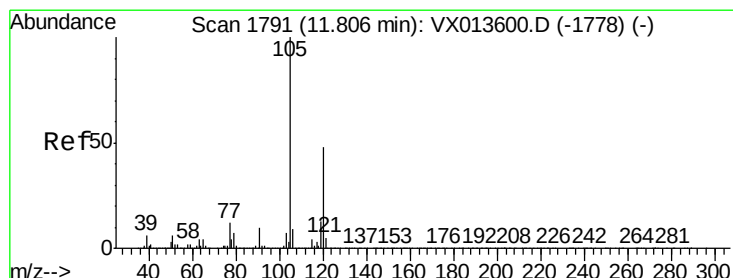
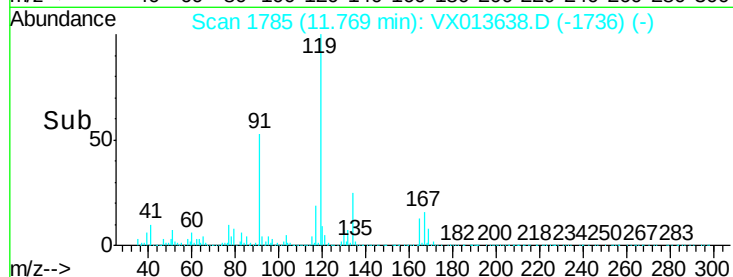
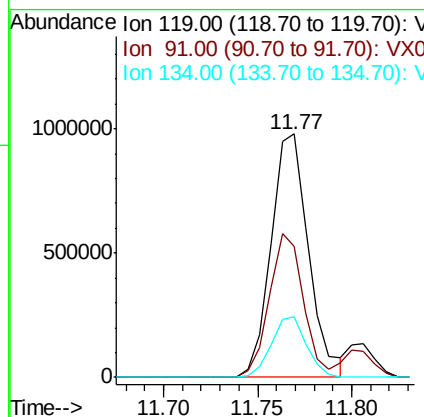
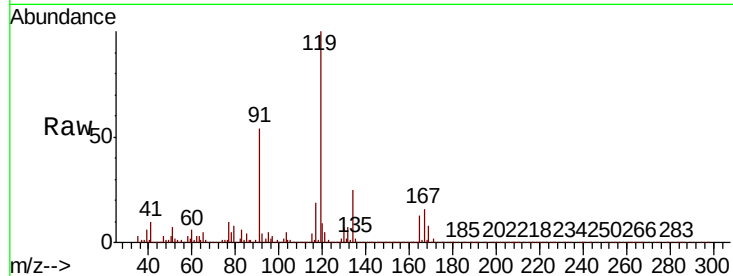
#83
 tert-Butylbenzene
 Concen: 52.190 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Instrument :
 MSVOA_X
 ClientSampled :
 GR-OF-20191121MSD

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

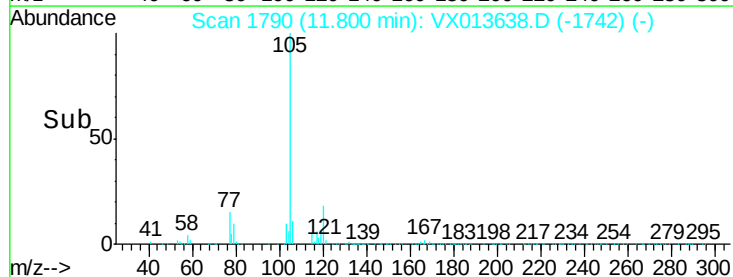
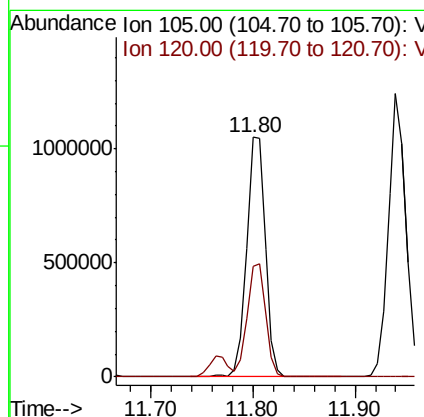
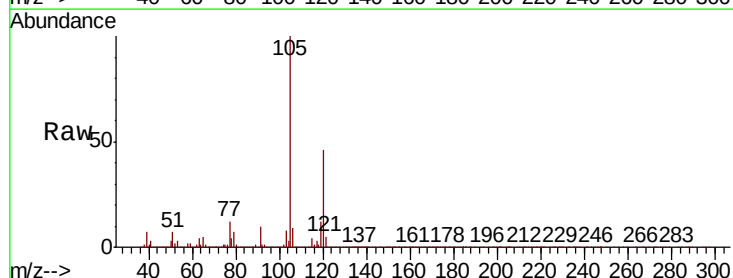
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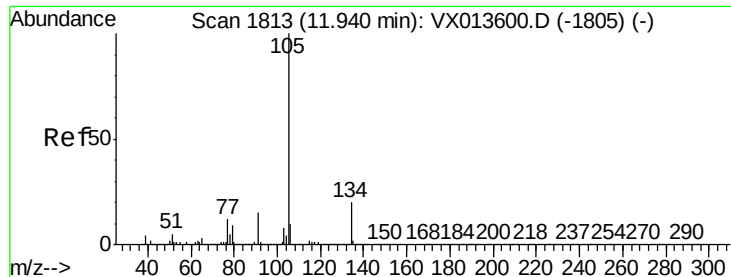
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.542 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Tgt Ion	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

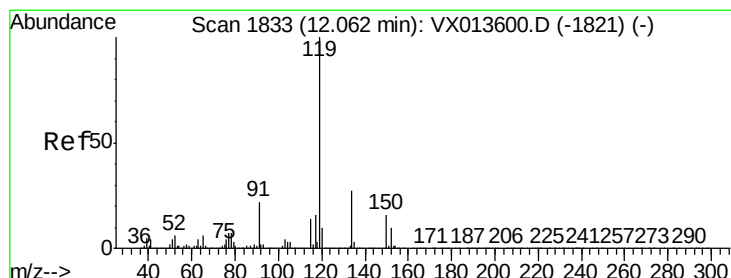
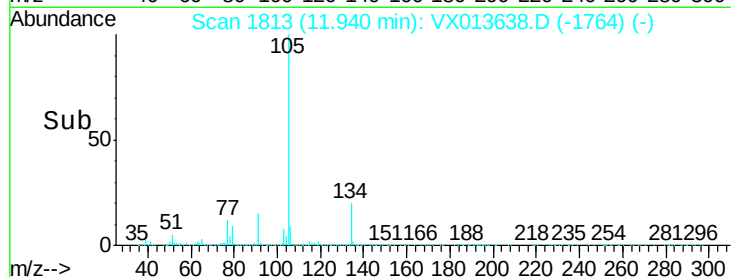
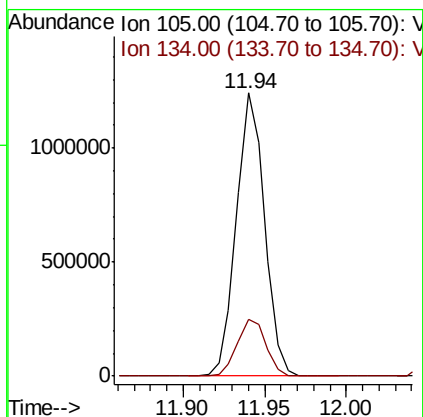
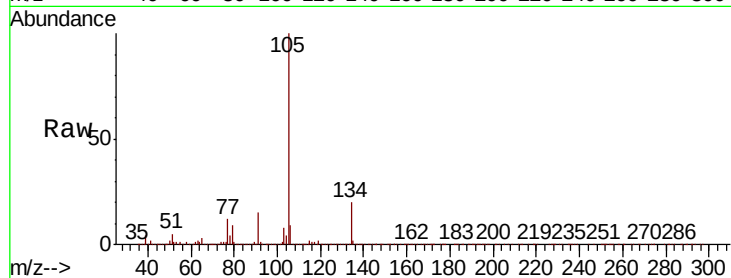
134 20.7 10.4 31.2

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#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

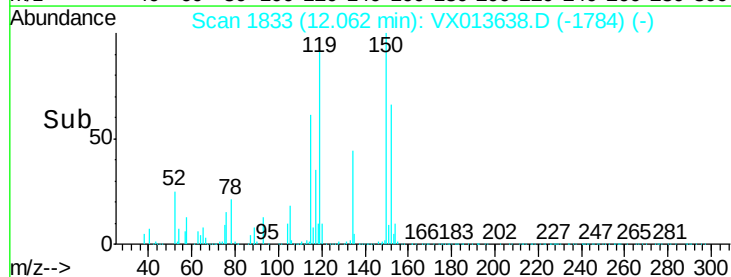
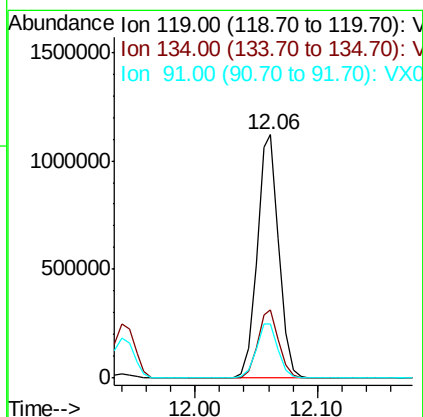
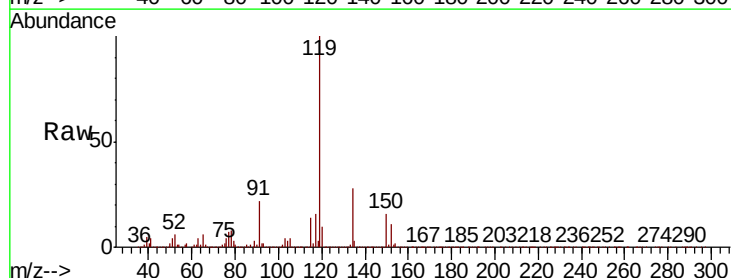
Tgt Ion:119 Resp: 1377847

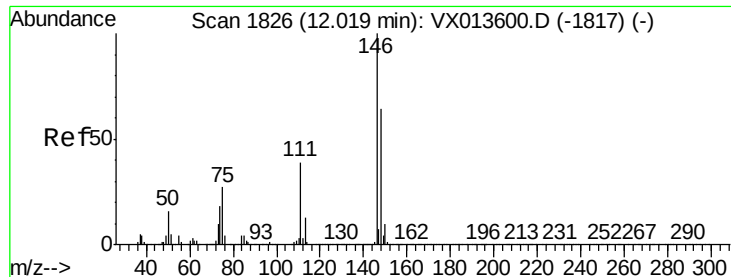
Ion Ratio Lower Upper

119 100

134 27.5 13.3 39.9

91 22.5 11.3 33.8





#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

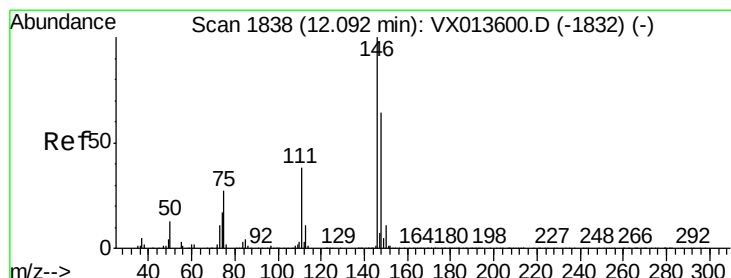
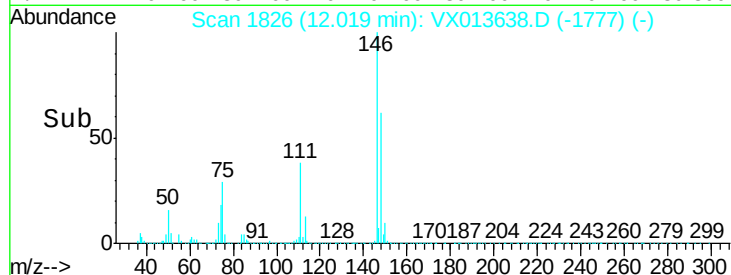
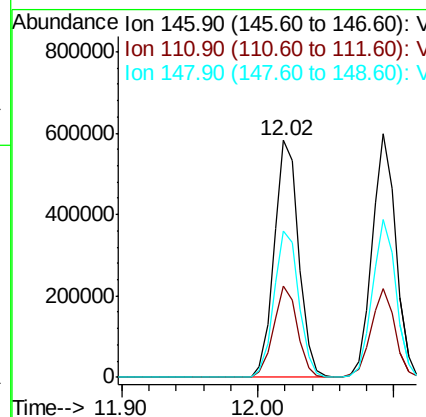
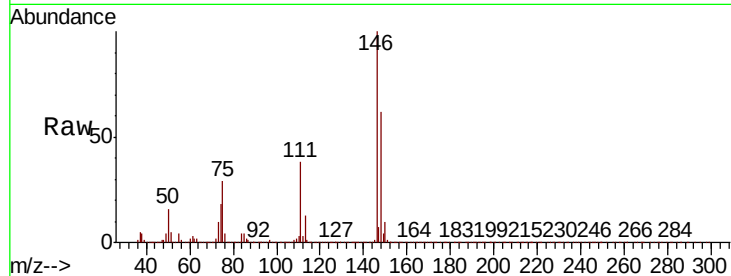
ClientSampleId :

GR-OF-20191121MSD

Tot Ion:	146	Resp:	731448
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.0	57.0
148	62.8	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 48.140 ug/l

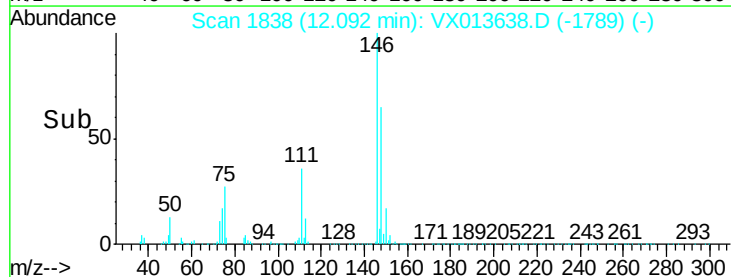
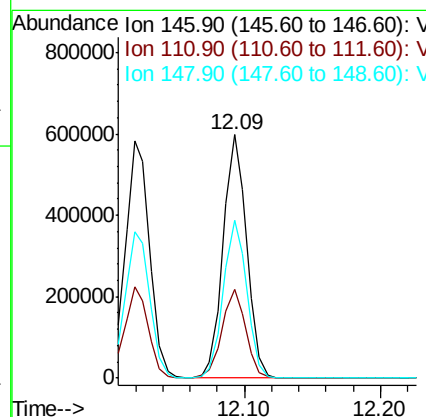
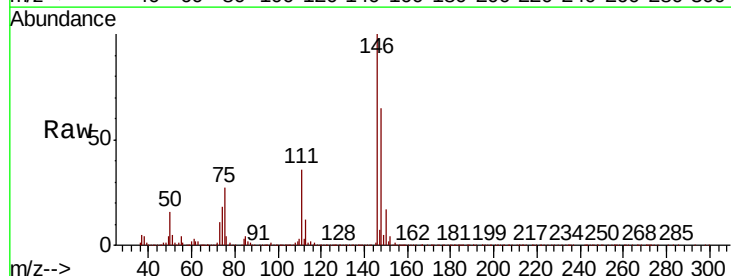
RT: 12.09 min Scan# 1838

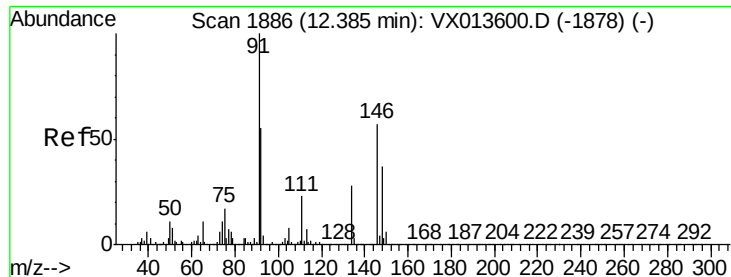
Delta R.T. 0.00 min

Lab File: VX013638.D

Acq: 27 Nov 2019 07:22

Tgt Ion:	146	Resp:	716595
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.9	56.9
148	64.6	31.9	95.5





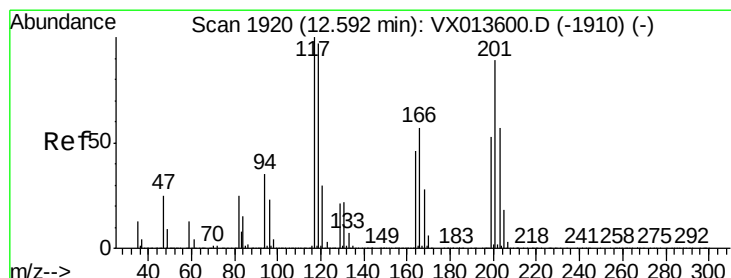
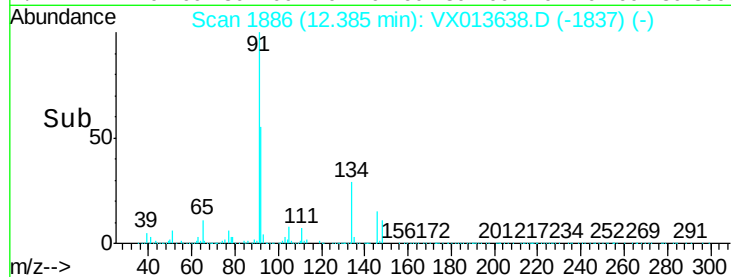
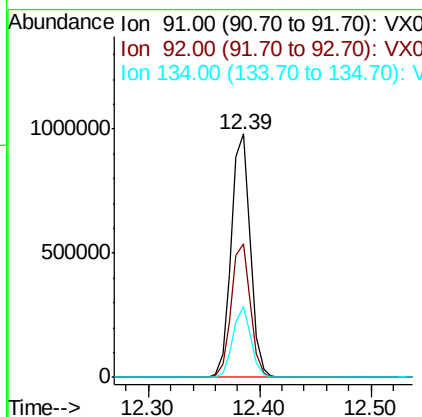
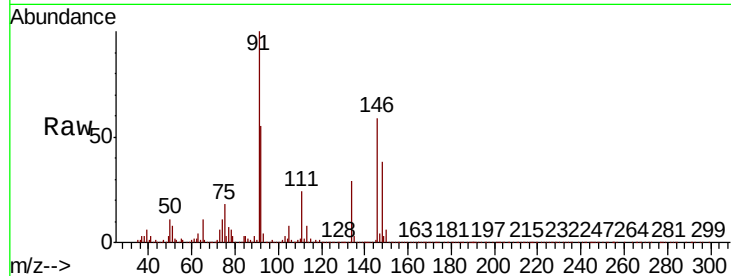
#89
n-Butylbenzene
Concen: 49.360 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

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

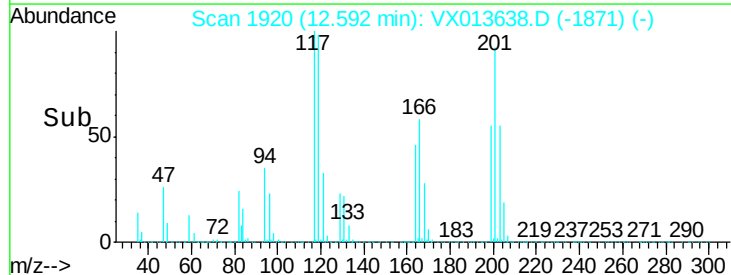
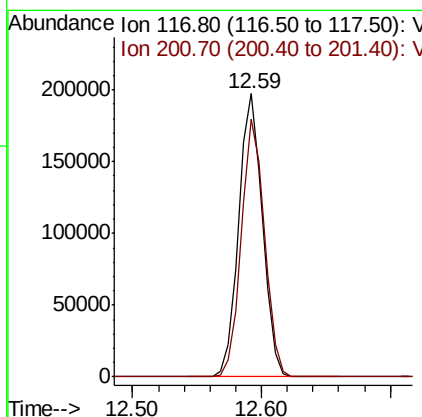
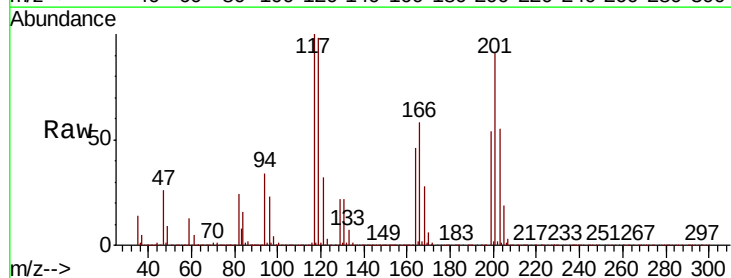
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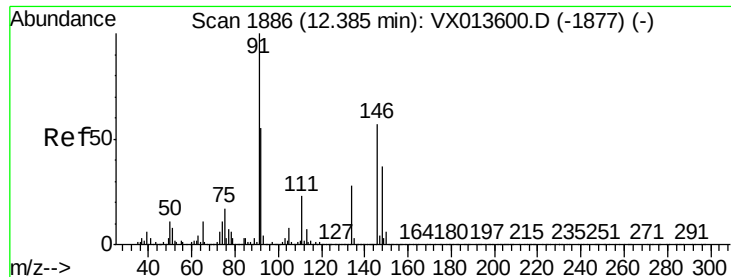
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#90
Hexachloroethane
Concen: 50.678 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	44.1	132.4





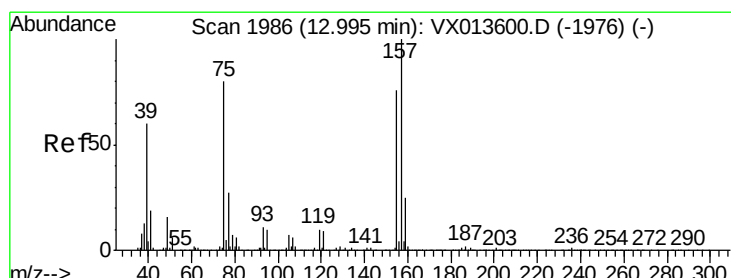
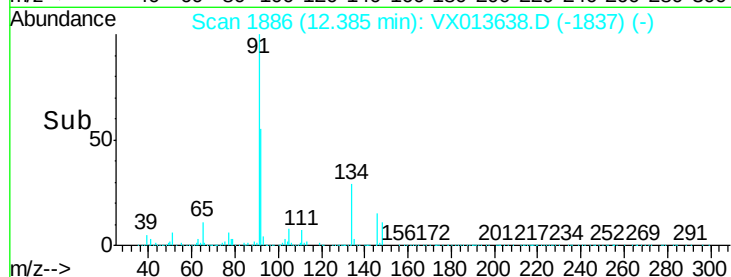
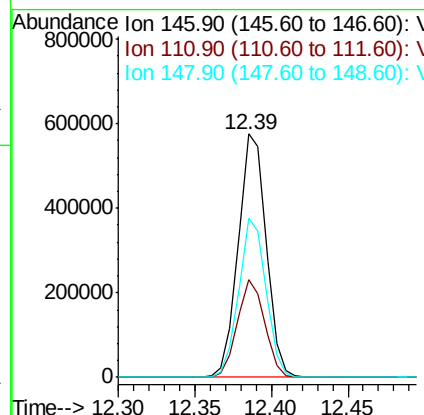
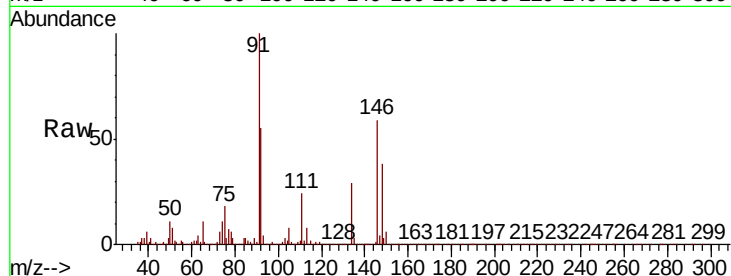
#91
 1,2-Dichlorobenzene
 Concen: 50.442 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20191121MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	63.9	31.9	95.7

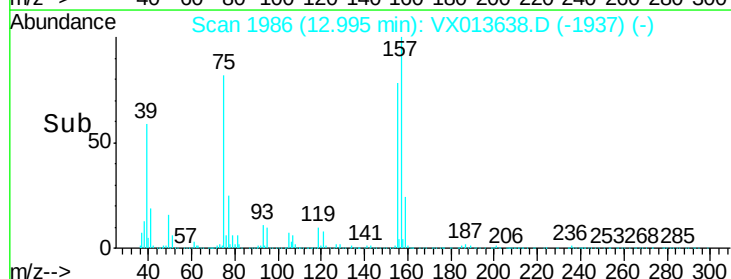
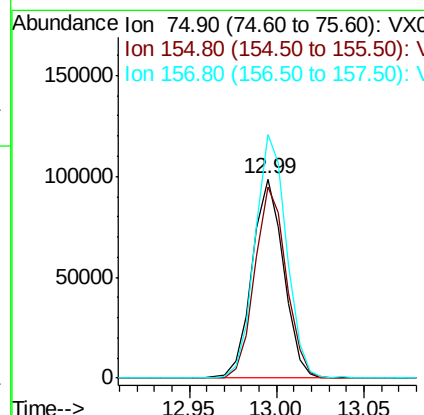
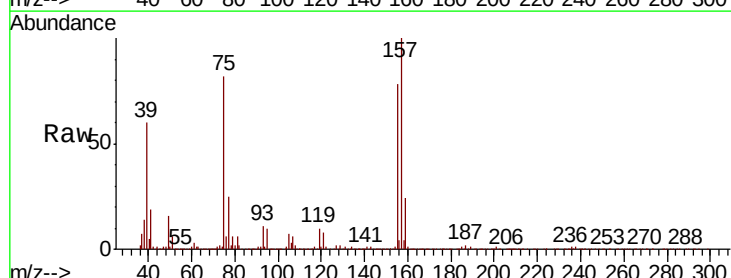
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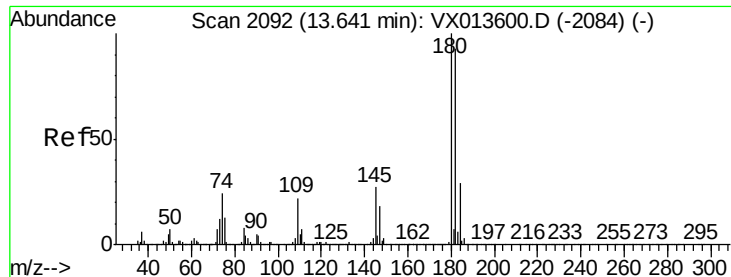
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.674 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013638.D
 Acq: 27 Nov 2019 07:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.2	47.6	142.8
157	123.2	62.1	186.2





#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

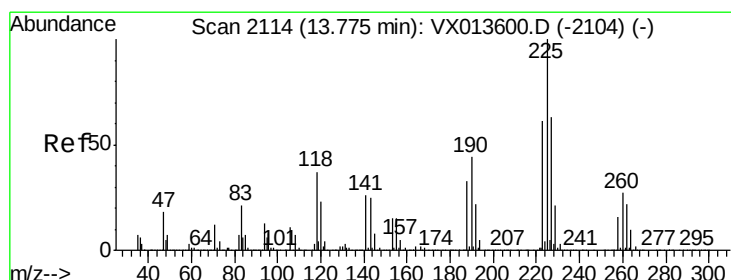
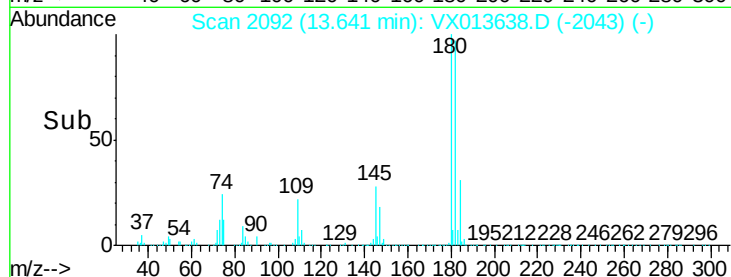
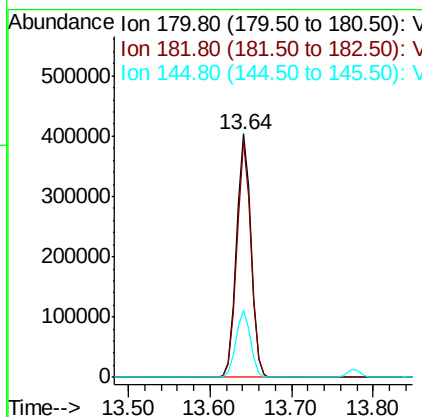
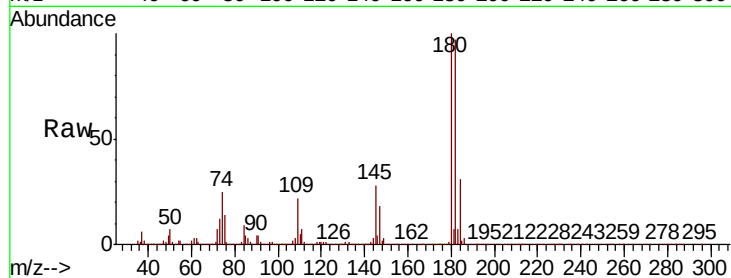
ClientSampleId :

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

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#94

Hexachlorobutadiene

Concen: 43.727 ug/l

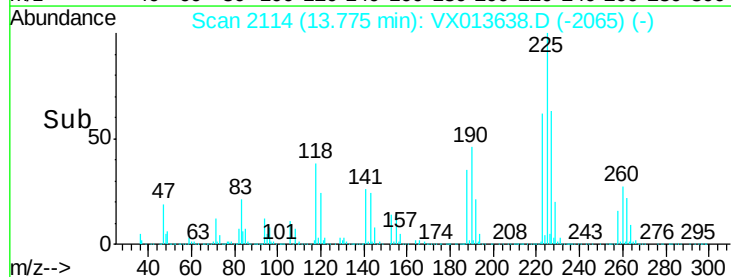
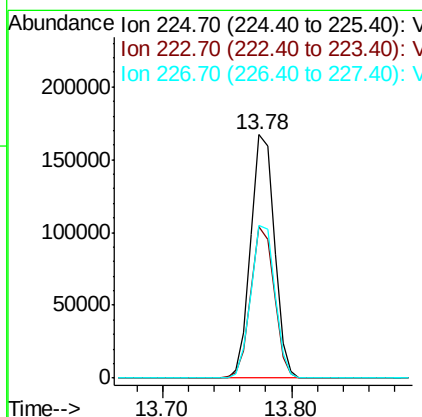
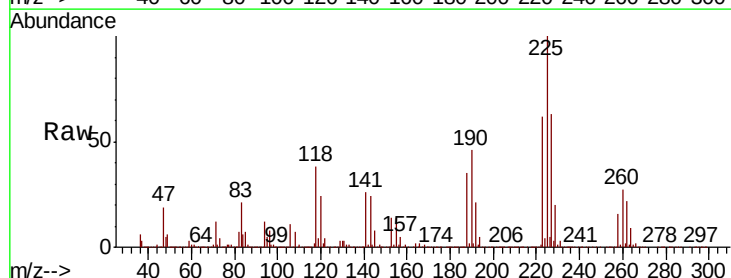
RT: 13.78 min Scan# 2114

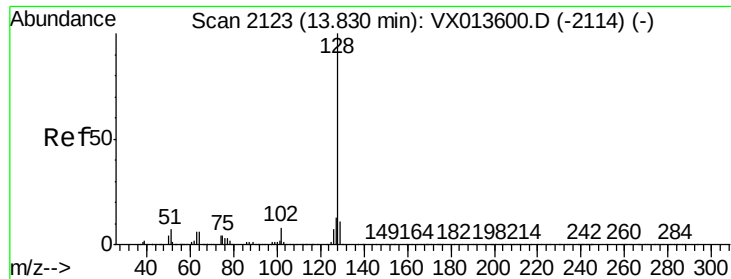
Delta R.T. 0.00 min

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





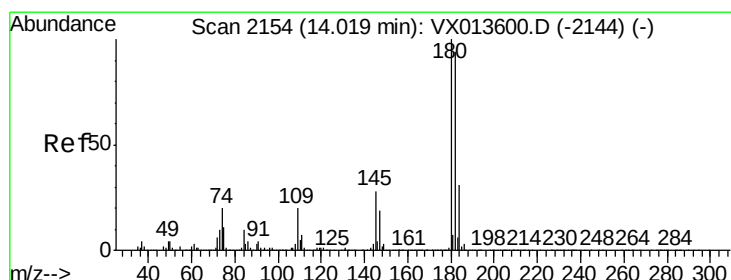
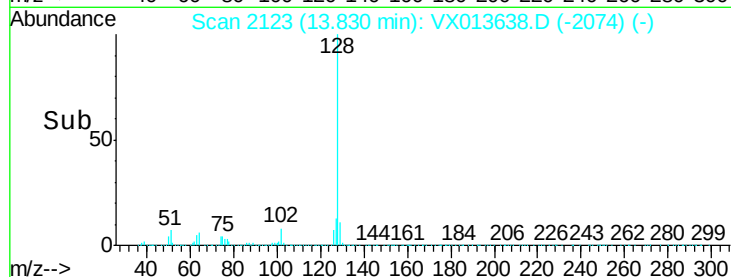
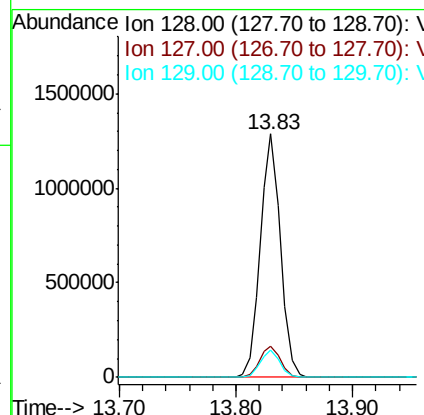
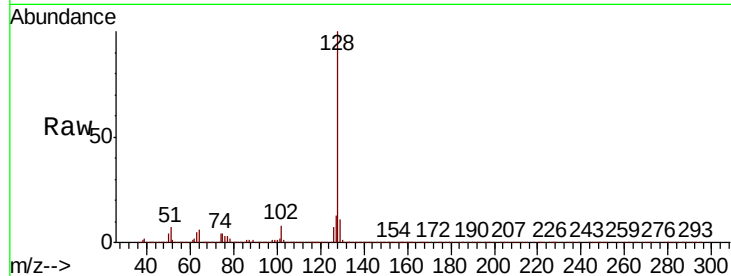
#95
Naphthalene
Concen: 51.699 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013638.D
Acq: 27 Nov 2019 07:22

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20191121MSD

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

Manual Integrations
APPROVED

apatel
11/27/2019 4:29:11 PM



#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	Ratio	Lower	Upper
180	100		
182	96.1	47.6	142.8
145	30.1	15.0	45.0

