

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112420\
 Data File : VX019644.D
 Acq On : 25 Nov 2020 07:01
 Operator : JC/MD
 Sample : L4835-15MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20201119MSD

Manual Integrations
 APPROVED

MMDadoda
 11/25/2020 9:55:04 AM

Quant Time: Nov 25 07:54:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	262600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	447926	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	402908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	193474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	170261	50.01	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.02%
35) Dibromofluoromethane	5.46	113	139334	49.56	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.12%
50) Toluene-d8	8.70	98	527209	48.25	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.50%
62) 4-Bromofluorobenzene	11.12	95	192335	48.93	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.18	85	126483	49.530	ug/l 97
3) Chloromethane	1.31	50	142270	48.550	ug/l 100
4) Vinyl Chloride	1.39	62	155652	49.343	ug/l 99
5) Bromomethane	1.62	94	59274	49.609	ug/l 98
6) Chloroethane	1.69	64	87541	119.827	ug/l 96
7) Trichlorofluoromethane	1.90	101	220075	48.337	ug/l 99
8) Diethyl Ether	2.17	74	90899	49.851	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	123142	48.480	ug/l 99
10) Methyl Iodide	2.48	142	172935	51.825	ug/l 100
11) Tert butyl alcohol	3.04	59	163086	253.095	ug/l 100
12) 1,1-Dichloroethene	2.35	96	126139	48.383	ug/l 99
13) Acrolein	2.28	56	87587	202.214	ug/l 99
14) Allyl chloride	2.70	41	199695	48.895	ug/l 99
15) Acrylonitrile	3.12	53	400356	263.454	ug/l 100
16) Acetone	2.42	43	319204	242.426	ug/l 99
17) Carbon Disulfide	2.54	76	324828	46.378	ug/l 99
18) Methyl Acetate	2.75	43	146598	45.467	ug/l 100
19) Methyl tert-butyl Ether	3.17	73	483895	53.771	ug/l 99
20) Methylene Chloride	2.83	84	158922	48.290	ug/l 98
21) trans-1,2-Dichloroethene	3.14	96	147495	49.934	ug/l 99
22) Diisopropyl ether	3.82	45	443588	52.502	ug/l 97
23) Vinyl Acetate	3.78	43	1653194	233.277	ug/l 100
24) 1,1-Dichloroethane	3.67	63	266565	51.582	ug/l 99
25) 2-Butanone	4.64	43	505523	255.579	ug/l 99
26) 2,2-Dichloropropane	4.55	77	168490	37.353	ug/l 98
27) cis-1,2-Dichloroethene	4.56	96	176399	51.989	ug/l 99
28) Bromochloromethane	4.98	49	116872	47.303	ug/l 99
29) Tetrahydrofuran	5.09	42	323088	256.008	ug/l 100
30) Chloroform	5.18	83	280725	51.950	ug/l 97
31) Cyclohexane	5.54	56	222773	50.305	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	241091	51.939	ug/l 99
36) 1,1-Dichloropropene	5.76	75	204604	48.723	ug/l 99
37) Ethyl Acetate	4.79	43	177120	44.928	ug/l 100
38) Carbon Tetrachloride	5.75	117	203663	50.106	ug/l 97

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 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	228006	46.632	ug/l	98
40) Benzene	6.11	78	634416	49.170	ug/l	100
41) Methacrylonitrile	5.00	41	109834	50.523	ug/l	98
42) 1,2-Dichloroethane	6.16	62	220391	49.835	ug/l	99
43) Isopropyl Acetate	6.42	43	306493	46.249	ug/l	100
44) Trichloroethene	7.18	130	165952	49.104	ug/l	97
45) 1,2-Dichloropropane	7.49	63	159766	50.299	ug/l	99
46) Dibromomethane	7.63	93	109222	50.241	ug/l	100
47) Bromodichloromethane	7.87	83	218821	51.872	ug/l	99
48) Methyl methacrylate	7.74	41	163764	52.766	ug/l	100
49) 1,4-Dioxane	7.71	88	73056	1036.723	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	990601	256.340	ug/l	99
52) Toluene	8.76	92	405368	51.358	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	227696	49.978	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	250205	49.487	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	163651	50.910	ug/l	98
56) Ethyl methacrylate	9.16	69	244693	53.795	ug/l	99
57) 1,3-Dichloropropane	9.35	76	274764	51.054	ug/l	99
59) 2-Hexanone	9.48	43	742484	253.334	ug/l	99
60) Dibromochloromethane	9.57	129	166777	52.968	ug/l	99
61) 1,2-Dibromoethane	9.65	107	168758	50.930	ug/l	99
64) Tetrachloroethene	9.32	164	134364	42.425	ug/l	97
65) Chlorobenzene	10.12	112	420653	50.780	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	158935	52.747	ug/l	97
67) Ethyl Benzene	10.23	91	755833	52.083	ug/l	98
68) m/p-Xylenes	10.34	106	552082	102.111	ug/l	99
69) o-Xylene	10.68	106	270126	52.265	ug/l	99
70) Styrene	10.70	104	450375	47.172	ug/l	99
71) Bromoform	10.84	173	116785	46.059	ug/l #	97
73) Isopropylbenzene	11.00	105	714973	53.419	ug/l	99
74) N-amyl acetate	10.88	43	241406	48.134	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	244647	51.114	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	213974m	50.678	ug/l	
77) Bromobenzene	11.24	156	177781	52.032	ug/l	100
78) n-propylbenzene	11.34	91	801257	52.185	ug/l	100
79) 2-Chlorotoluene	11.40	91	485058	52.091	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	596788	53.154	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	68492	44.337	ug/l	98
82) 4-Chlorotoluene	11.49	91	566470	51.677	ug/l	100
83) tert-Butylbenzene	11.76	119	585280	53.882	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	606652	53.401	ug/l	99
85) sec-Butylbenzene	11.93	105	664337	51.410	ug/l	100
86) p-Isopropyltoluene	12.05	119	599673	51.112	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	320118	51.016	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	317667	49.148	ug/l	99
89) n-Butylbenzene	12.37	91	510097	48.092	ug/l	99
90) Hexachloroethane	12.58	117	103758	52.850	ug/l	99
91) 1,2-Dichlorobenzene	12.37	146	311320	49.398	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	50572	51.792	ug/l	99
93) 1,2,4-Trichlorobenzene	13.63	180	202575	50.066	ug/l	98

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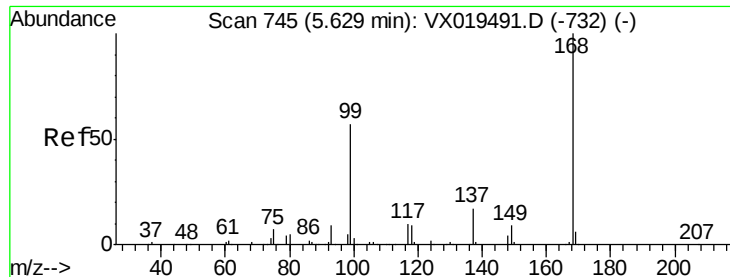
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.76	225	79340	43.045	ug/l	97
95) Naphthalene	13.82	128	691427	48.518	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	204662	50.569	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119MSD

Tot Ion:168 Resp: 262600

Ion Ratio Lower Upper

168 100

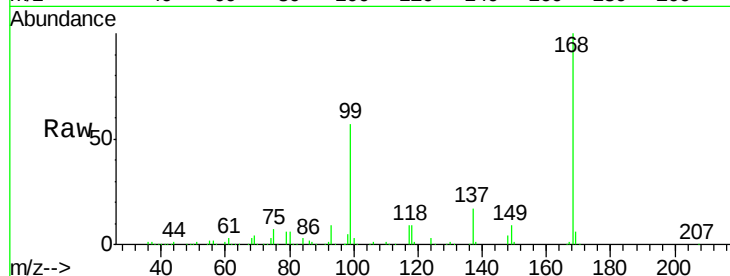
99 56.6 45.8 68.6

Manual Integrations

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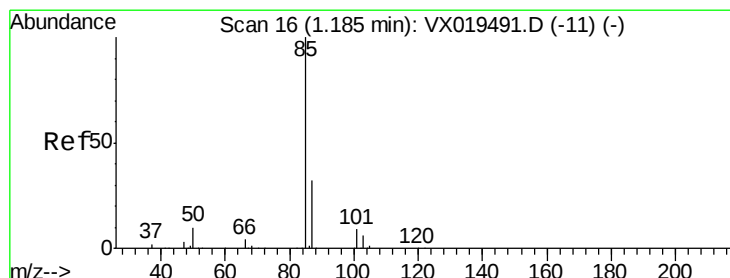
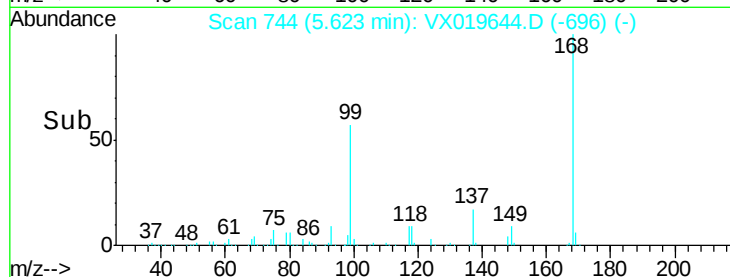
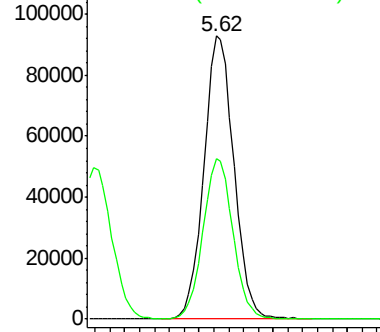
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.530 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019644.D

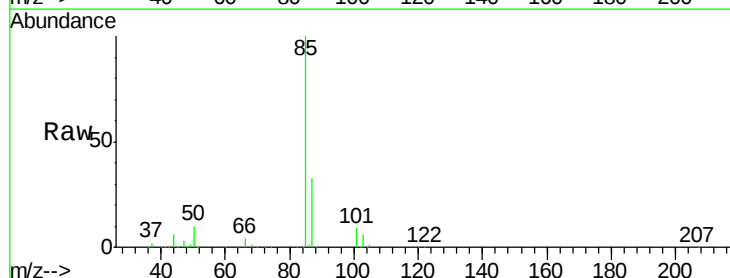
Acq: 25 Nov 2020 07:01

Tgt Ion: 85 Resp: 126483

Ion Ratio Lower Upper

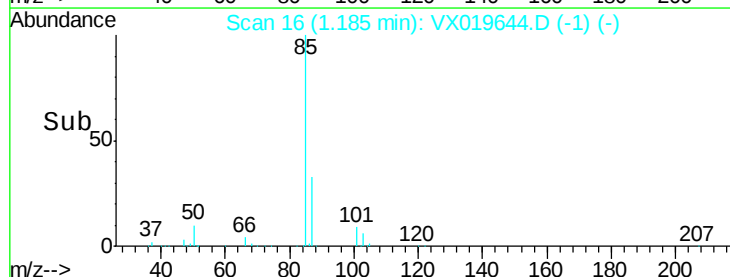
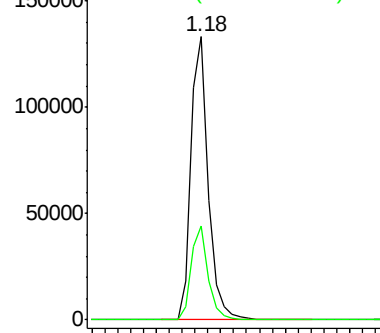
85 100

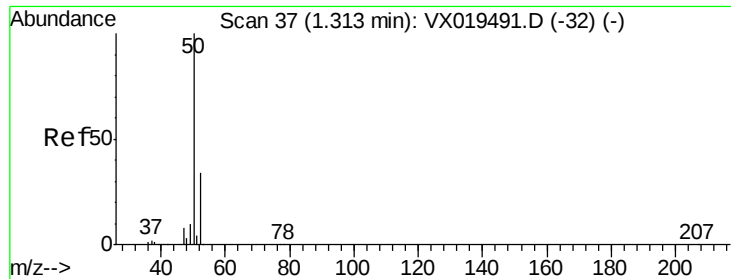
87 33.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.550 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119MSD

Tot Ion: 50 Resp: 142270

Ion Ratio Lower Upper

50 100

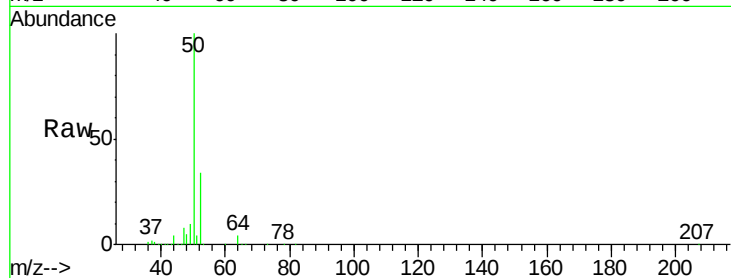
52 33.7 27.0 40.6

Manual Integrations

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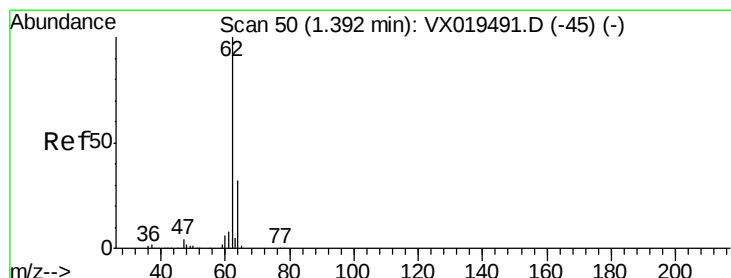
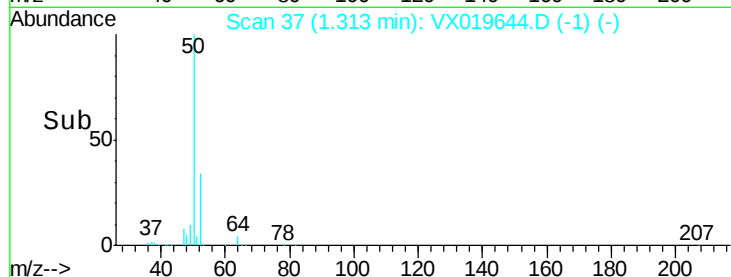
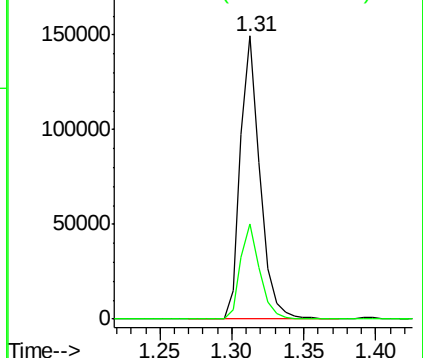
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.343 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019644.D

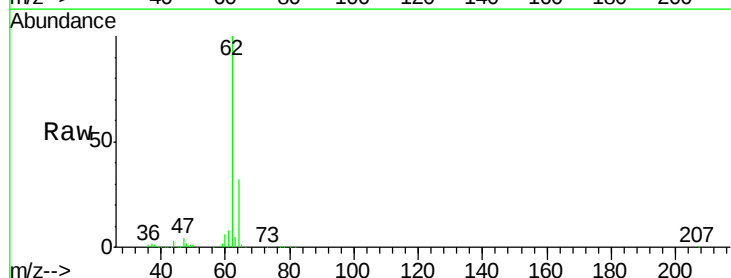
Acq: 25 Nov 2020 07:01

Tgt Ion: 62 Resp: 155652

Ion Ratio Lower Upper

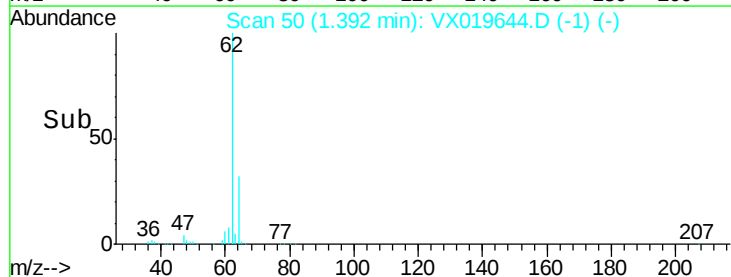
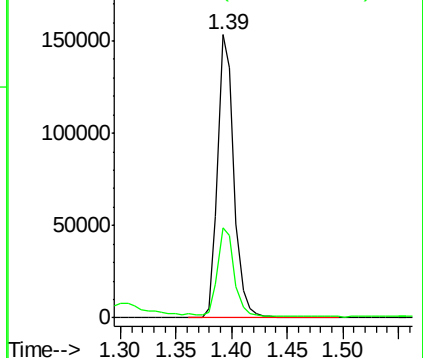
62 100

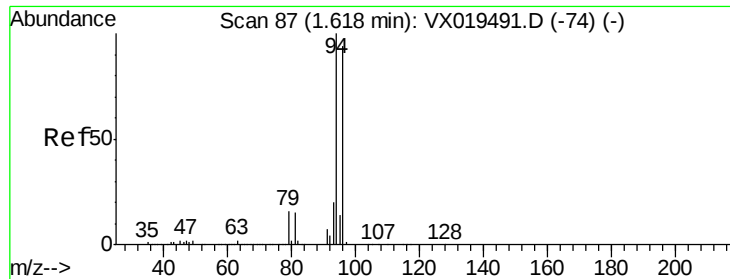
64 31.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 49.609 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119MSD

Tot Ion: 94 Resp: 59274

Ion Ratio Lower Upper

94 100

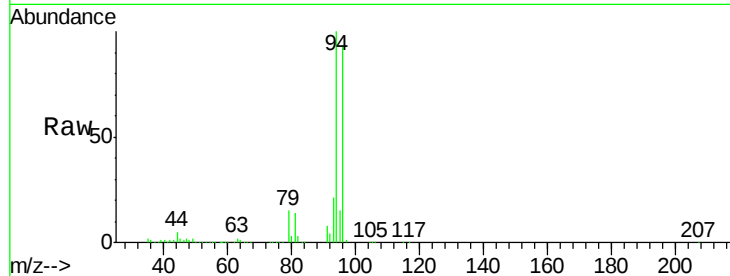
96 92.8 75.6 113.4

Manual Integrations

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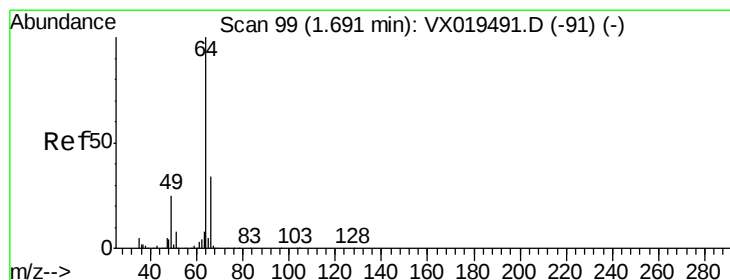
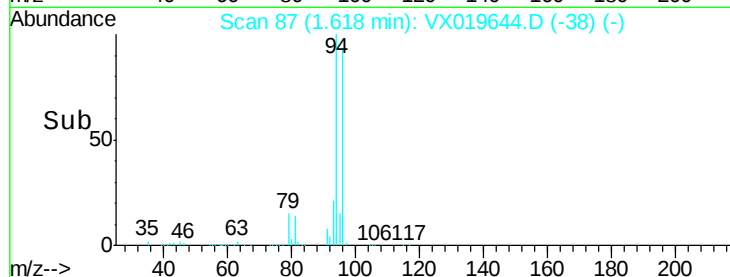
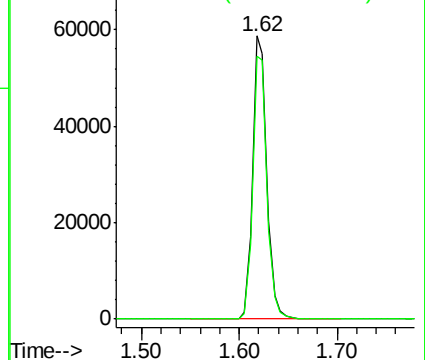
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 119.827 ug/l

RT: 1.69 min Scan# 99

Delta R.T. 0.00 min

Lab File: VX019644.D

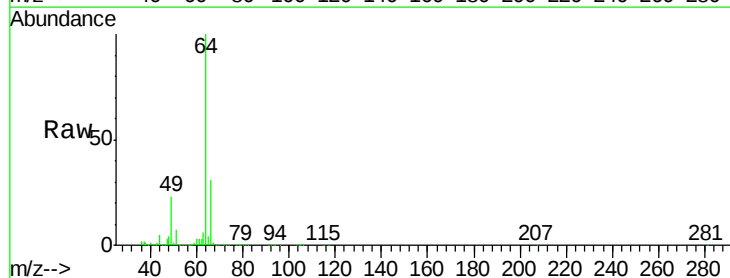
Acq: 25 Nov 2020 07:01

Tgt Ion: 64 Resp: 87541

Ion Ratio Lower Upper

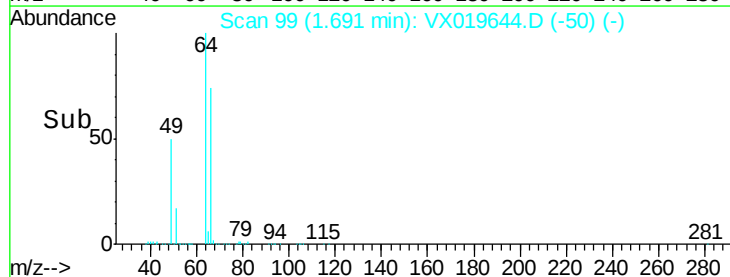
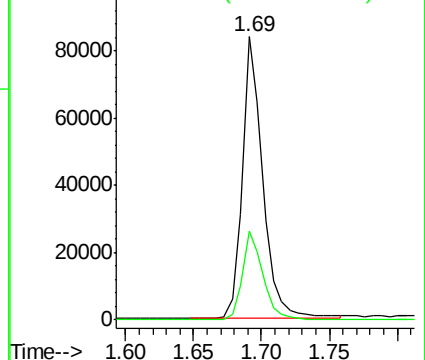
64 100

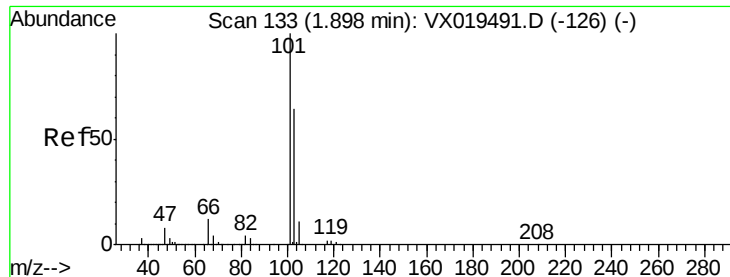
66 31.4 27.1 40.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

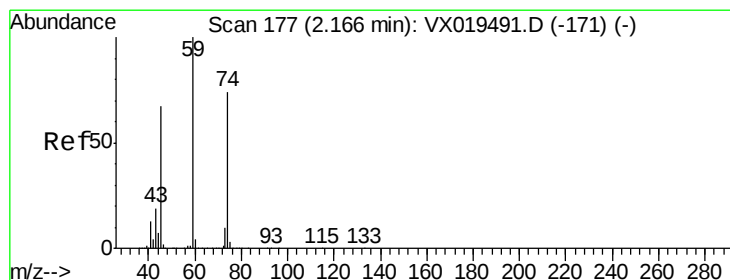
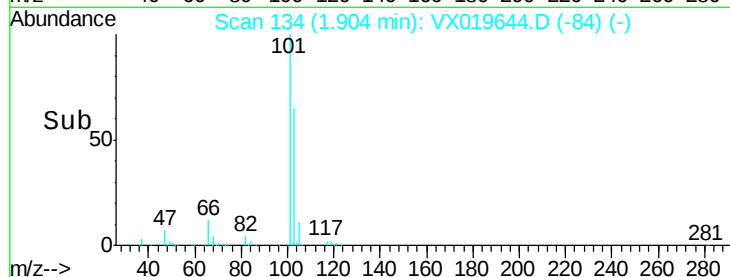
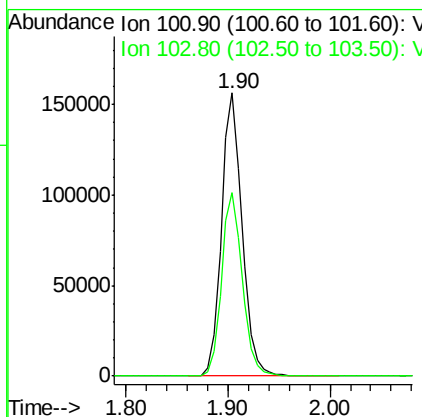
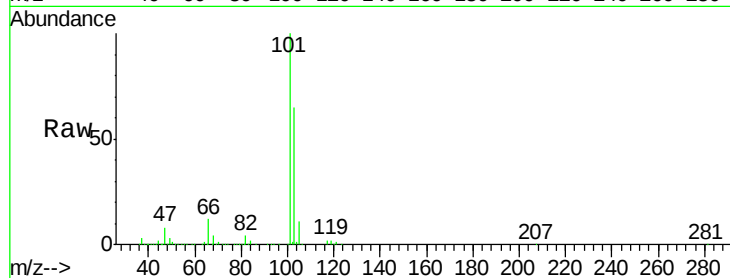
Trichlorofluoromethane
Concen: 48.337 ug/l
RT: 1.90 min Scan# 134
Delta R.T. 0.01 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.9	76.3

Manual Integrations
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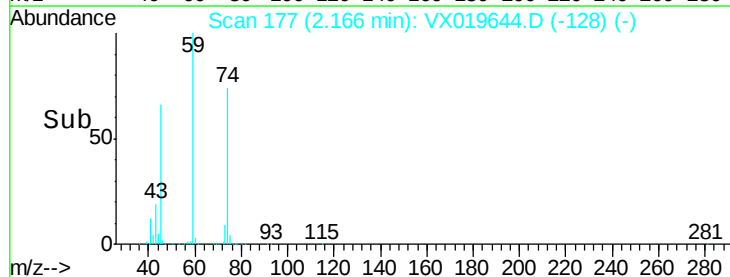
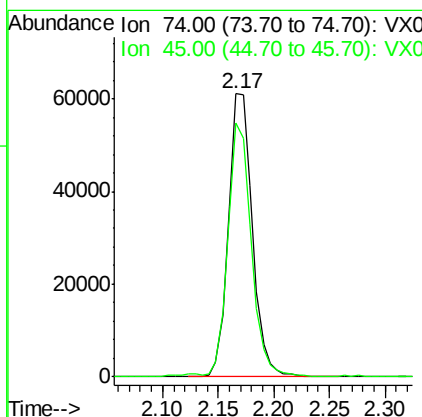
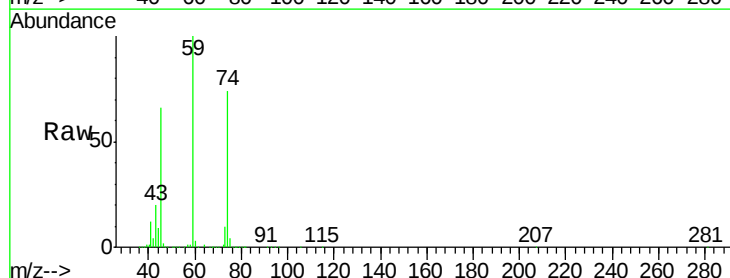
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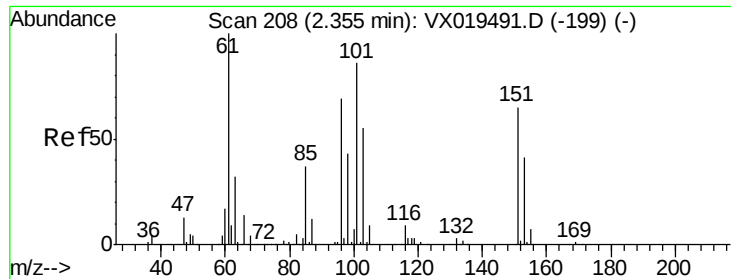


#8

Diethyl Ether
Concen: 49.851 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.0	44.4	133.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.480 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX019644.D

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Instrument :

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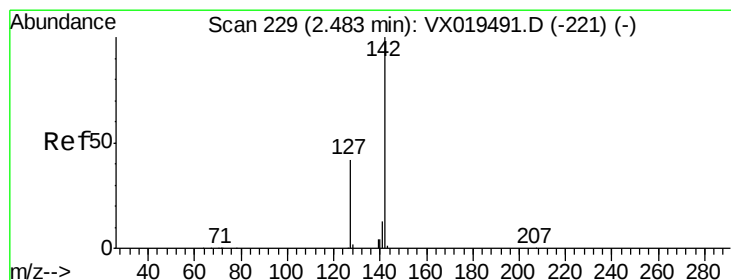
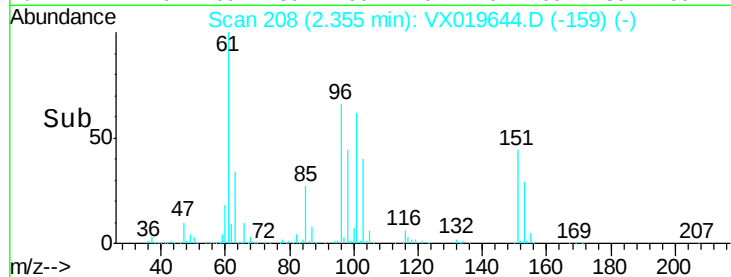
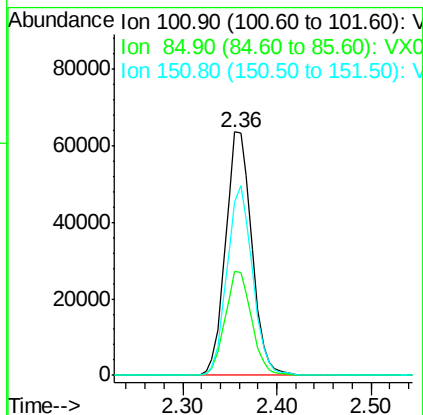
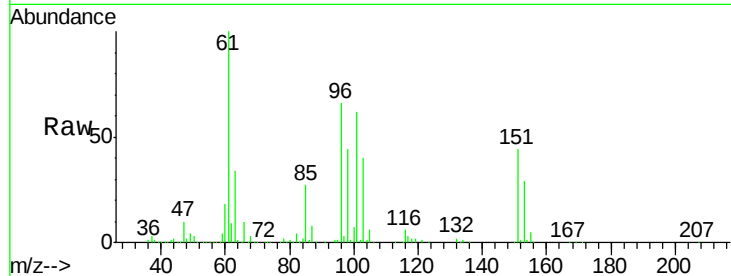
ClientSampleId :

GR-OF-20201119MSD

Tot Ion:	101	Resp:	123142
Ion Ratio	Lower	Upper	
101	100		
85	43.1	33.9	50.9
151	75.9	60.9	91.3

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#10

Methyl Iodide

Concen: 51.825 ug/l

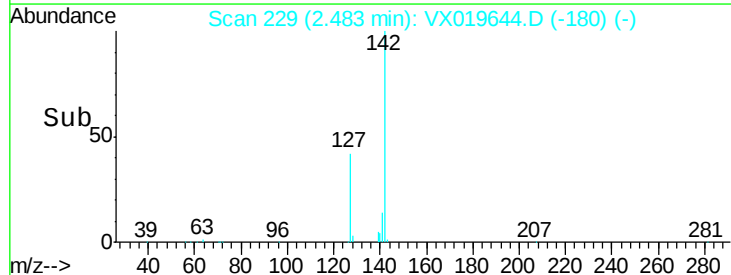
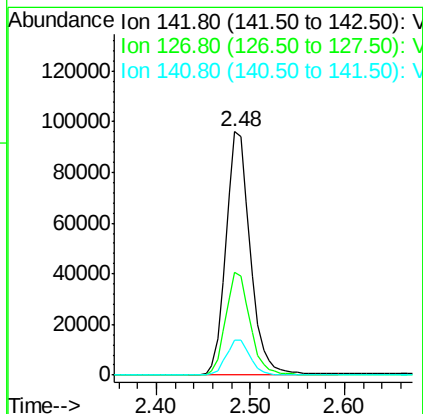
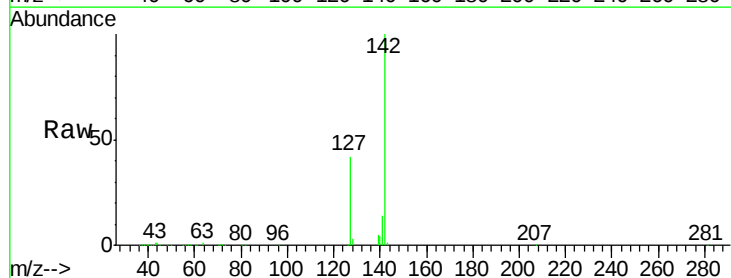
RT: 2.48 min Scan# 229

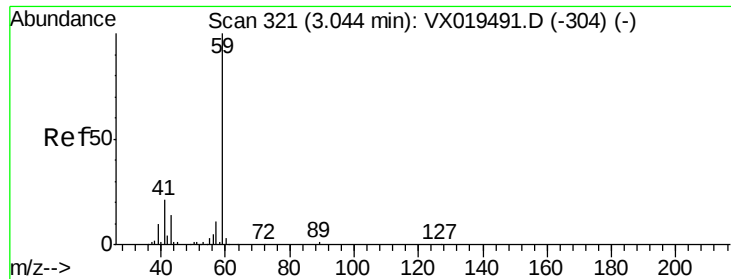
Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Tgt Ion:	142	Resp:	172935
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.8	50.6
141	14.3	11.0	16.6





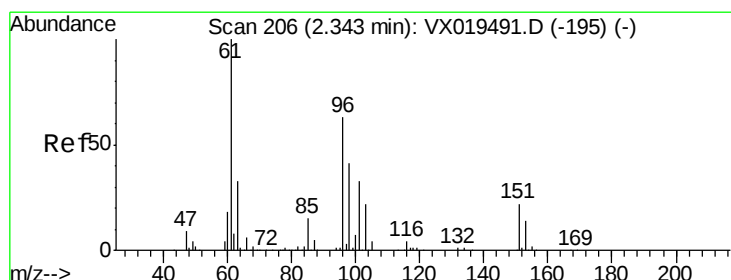
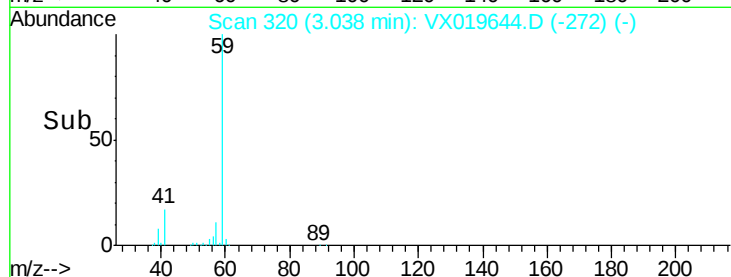
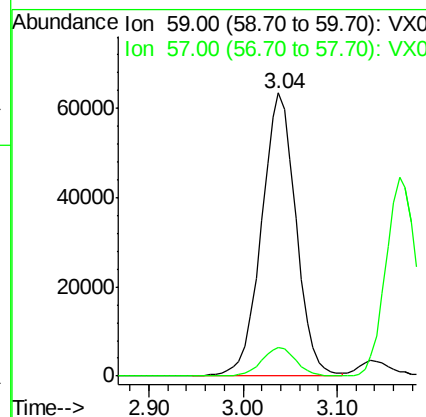
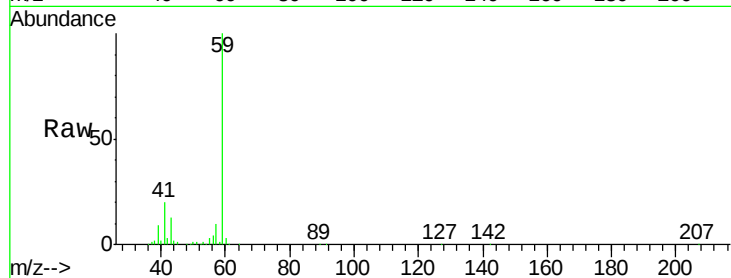
#11
Tert butyl alcohol
Concen: 253.095 ug/l
RT: 3.04 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.9	11.9

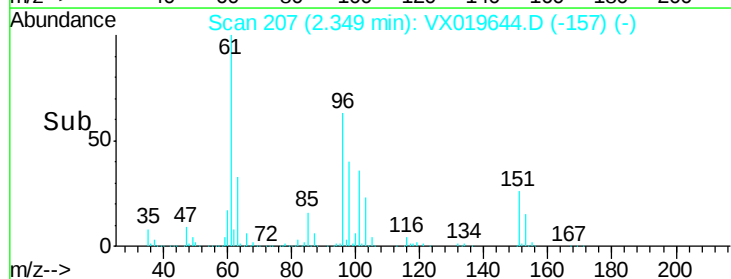
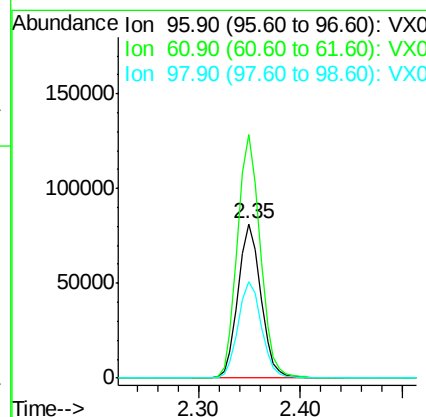
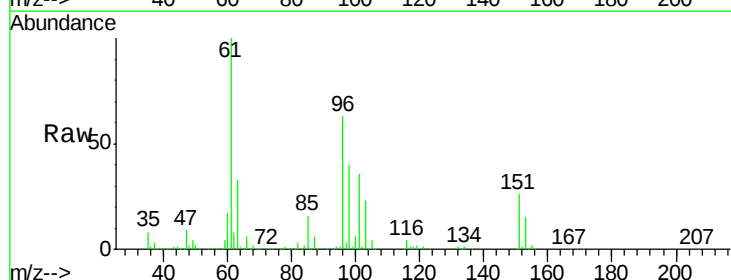
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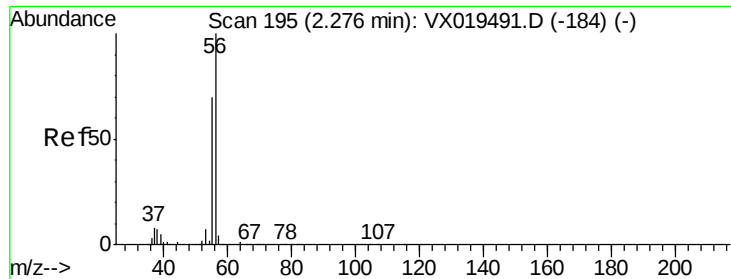
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.383 ug/l
RT: 2.35 min Scan# 207
Delta R.T. 0.01 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	126.0	189.0
98	62.8	52.0	78.0





#13

Acrolein

Concen: 202.214 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119MSD

Tot Ion: 56 Resp: 87587

Ion Ratio Lower Upper

56 100

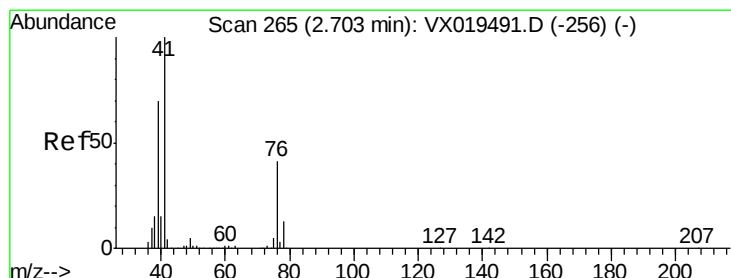
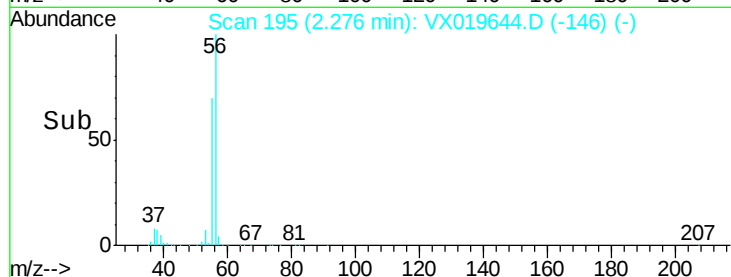
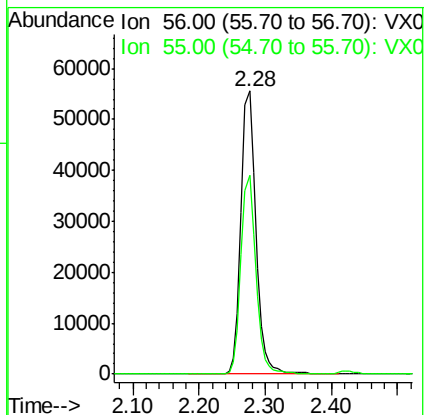
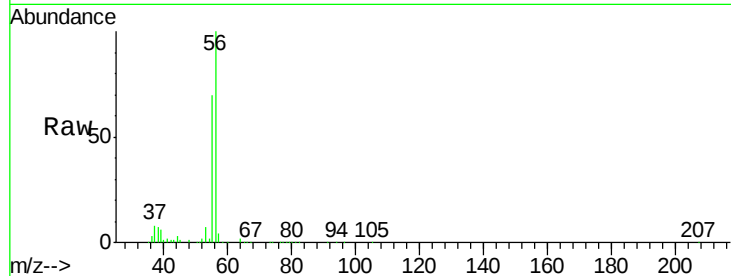
55 69.9 55.5 83.3

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#14

Allyl chloride

Concen: 48.895 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

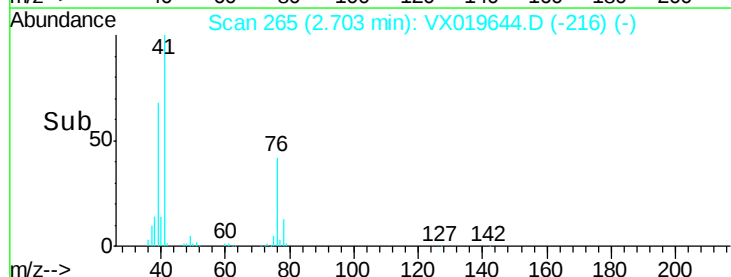
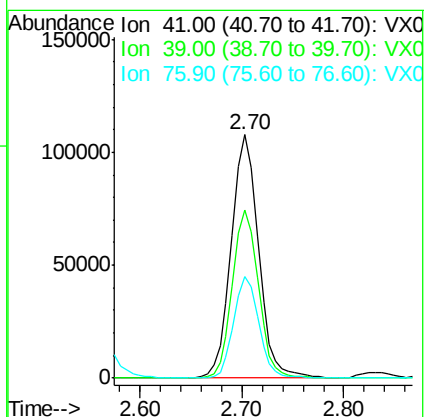
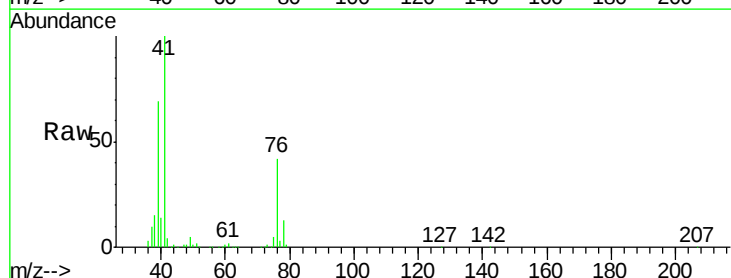
Tgt Ion: 41 Resp: 199695

Ion Ratio Lower Upper

41 100

39 65.8 53.0 79.4

76 38.5 31.0 46.6





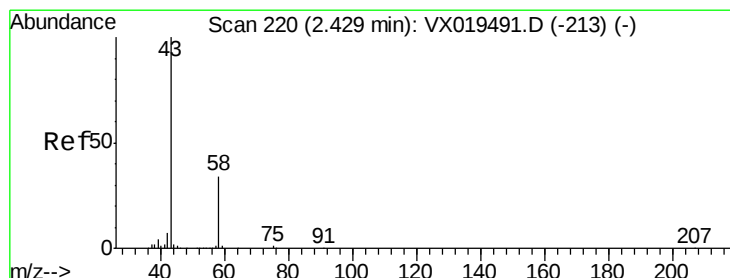
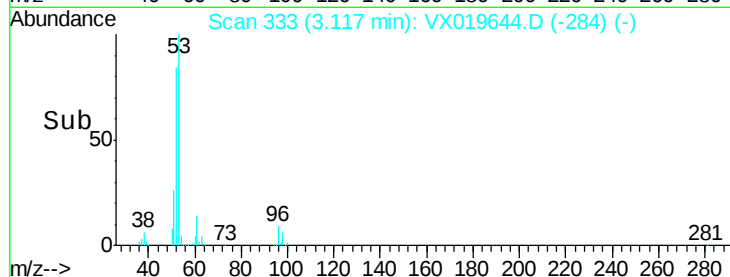
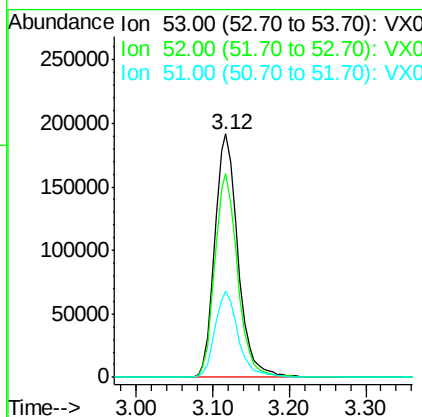
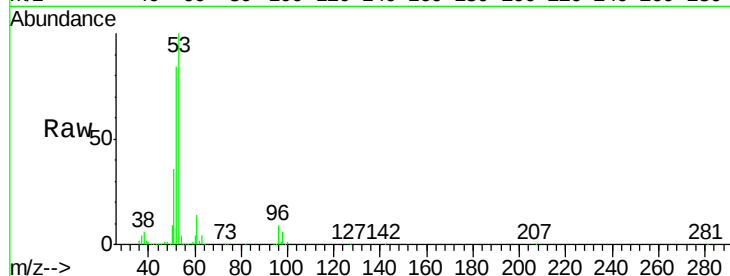
#15
Acrylonitrile
Concen: 263.454 ug/l
RT: 3.12 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.2
51	35.6	28.5	42.7

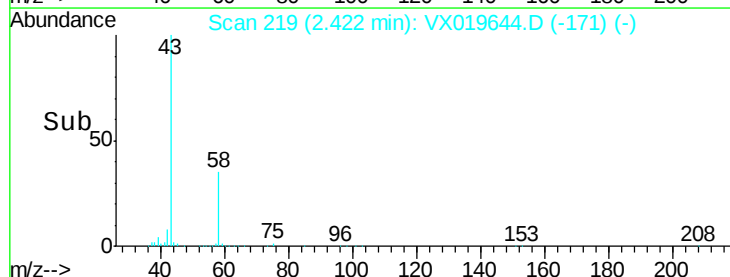
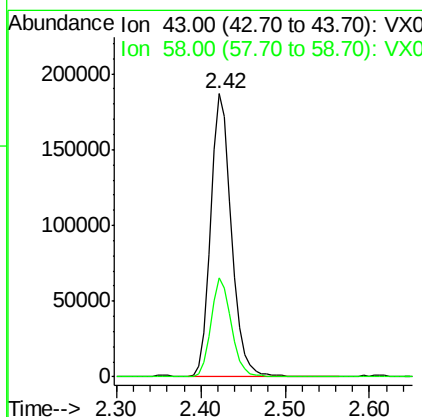
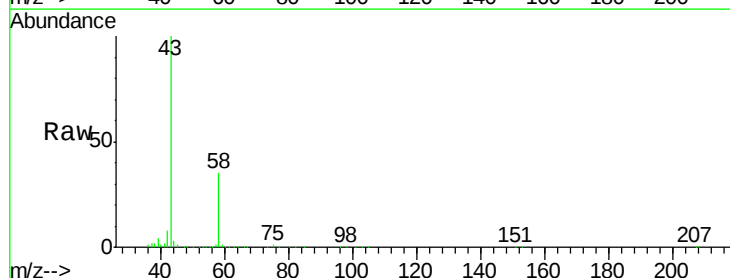
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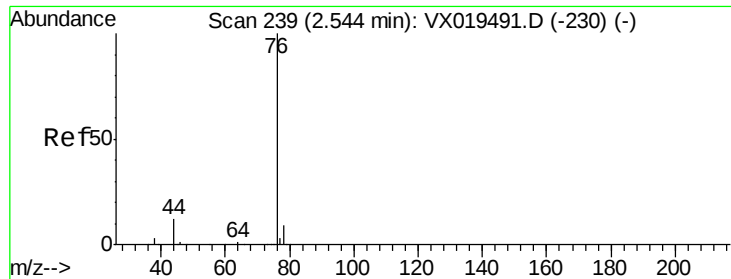
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#16
Acetone
Concen: 242.426 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.4	41.2





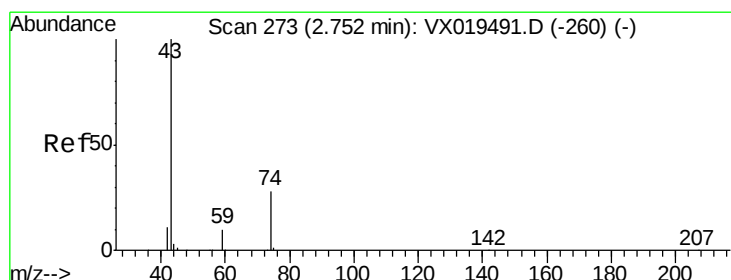
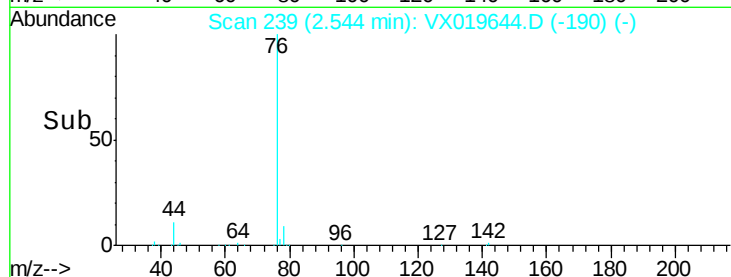
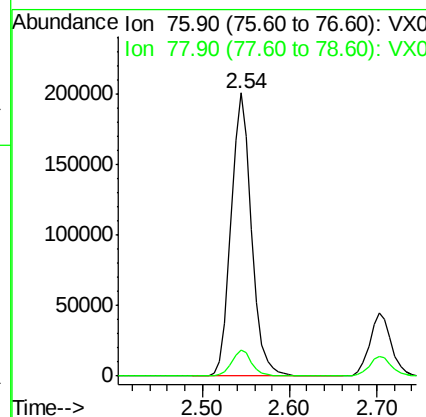
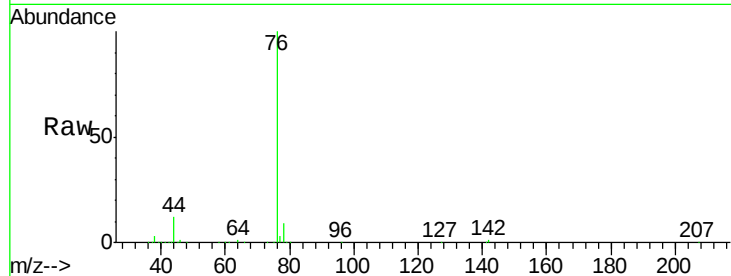
#17
Carbon Disulfide
Concen: 46.378 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

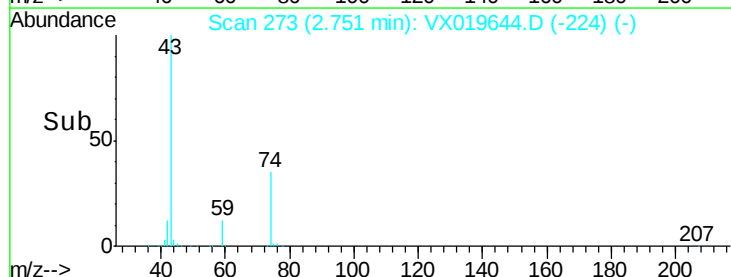
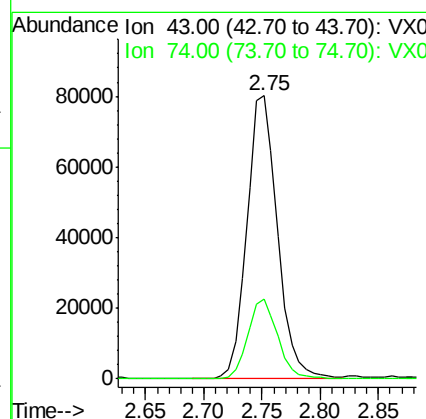
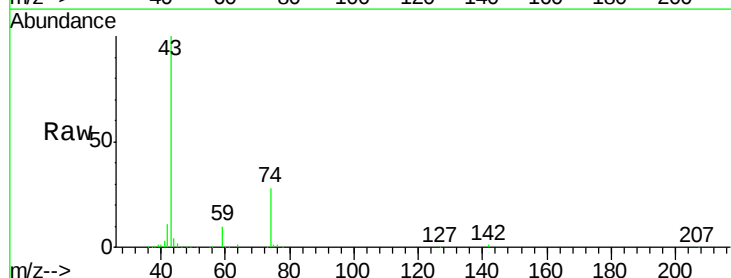
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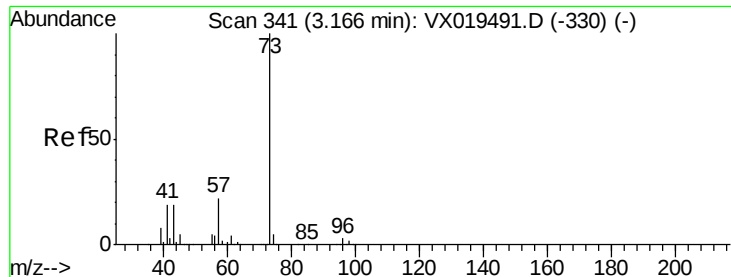
MMDadoda
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#18
Methyl Acetate
Concen: 45.467 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.0	22.2	33.4





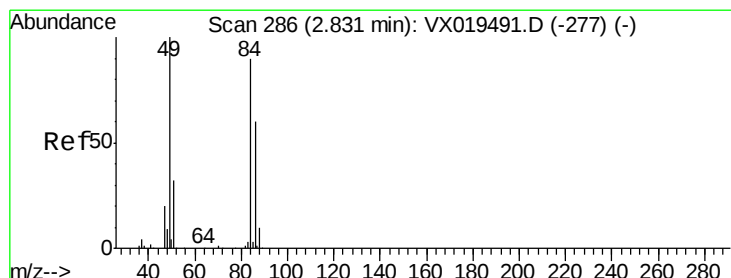
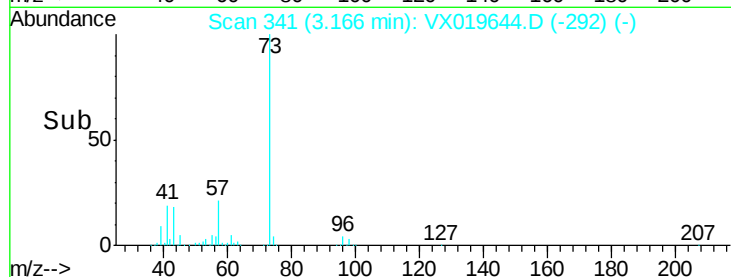
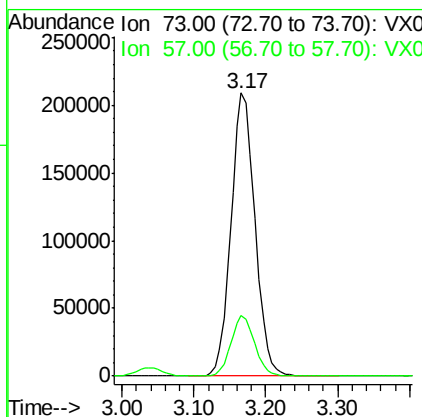
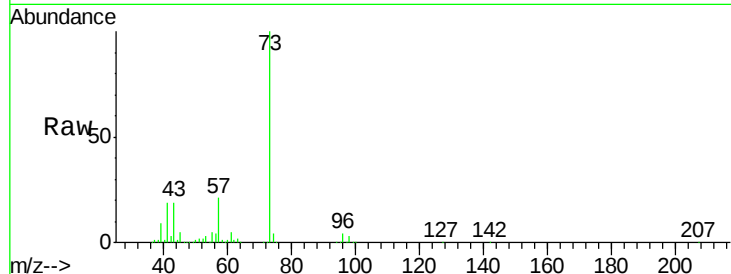
#19
Methvl tert-butvl Ether
Concen: 53.771 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.3	25.9

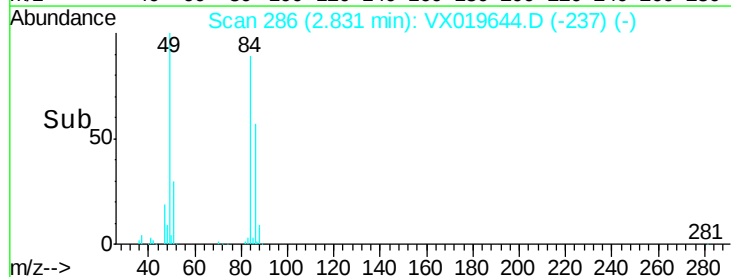
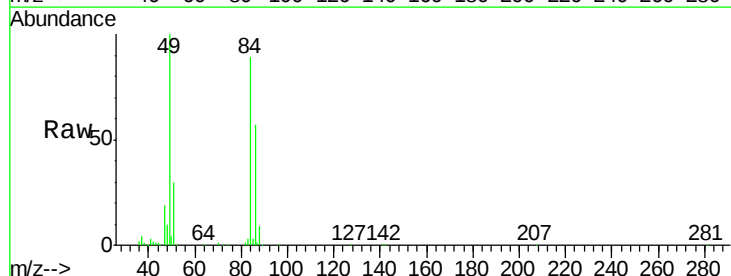
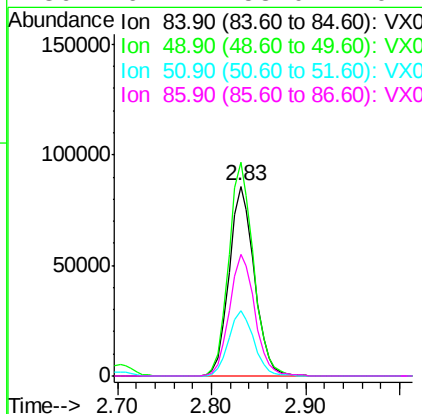
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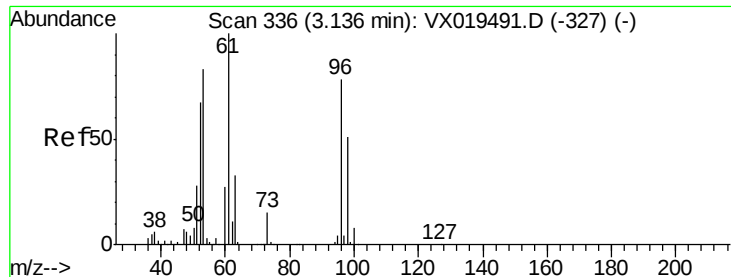
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#20
Methylene Chloride
Concen: 48.290 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.5	88.5	132.7
51	34.1	28.0	42.0
86	64.2	53.0	79.4





#21

trans-1,2-Dichloroethene

Concen: 49.934 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

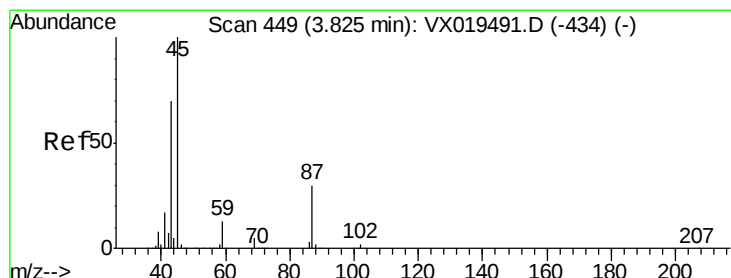
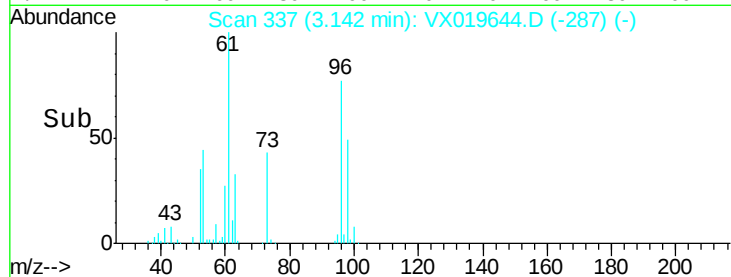
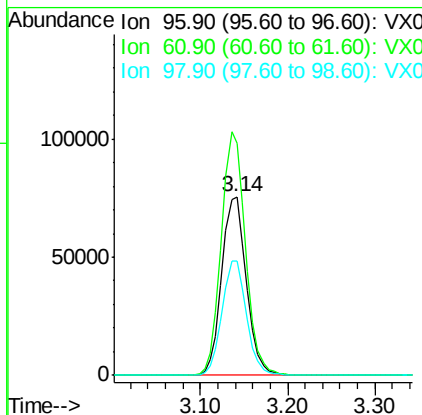
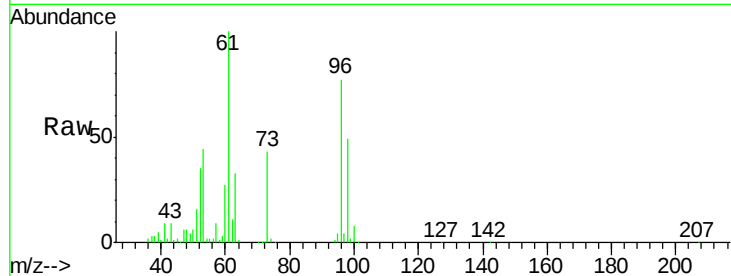
ClientSampleId :

GR-OF-20201119MSD

Tot Ion:	96	Resp:	147495
Ion	Ratio	Lower	Upper
96	100		
61	129.7	102.9	154.3
98	64.0	52.1	78.1

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#22

Diisopropyl ether

Concen: 52.502 ug/l

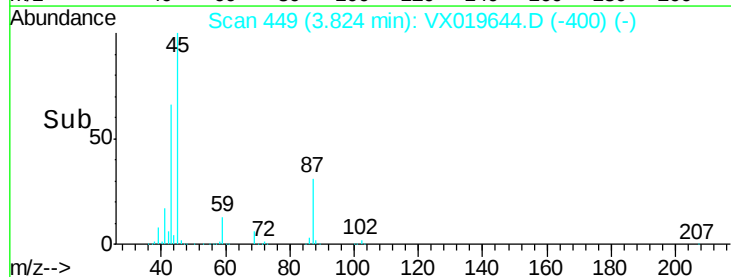
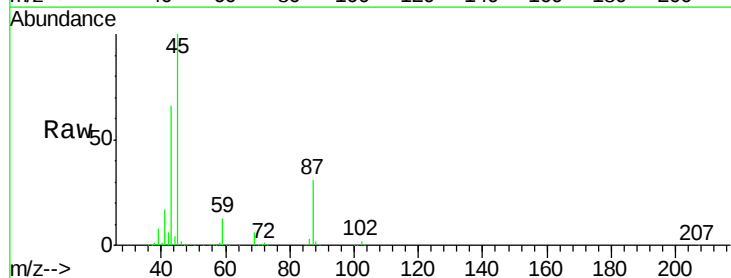
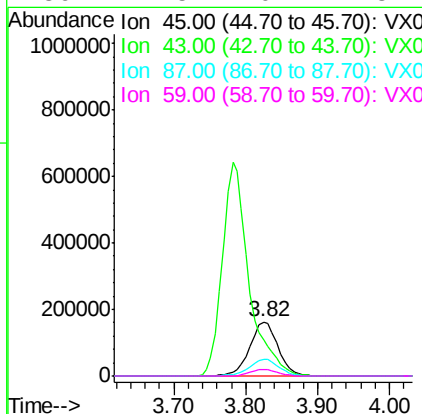
RT: 3.82 min Scan# 449

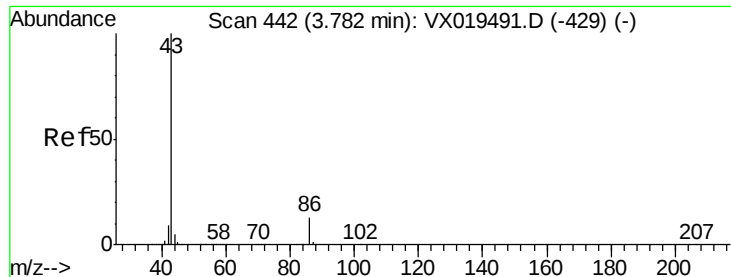
Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Tgt Ion:	45	Resp:	443588
Ion	Ratio	Lower	Upper
45	100		
43	66.1	56.1	84.1
87	30.8	24.2	36.2
59	12.5	10.2	15.2





#23

Vinyl Acetate

Concen: 233.277 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampled :

GR-OF-20201119MSD

Tot Ion: 43 Resp: 1653194

Ion Ratio Lower Upper

43 100

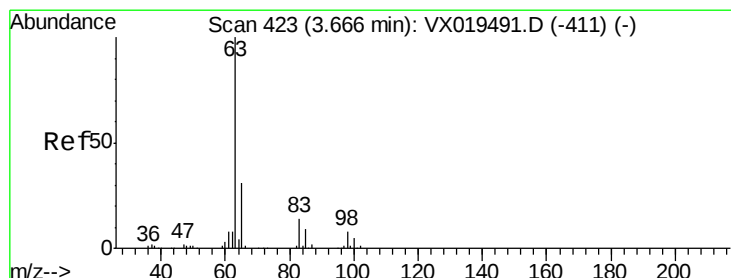
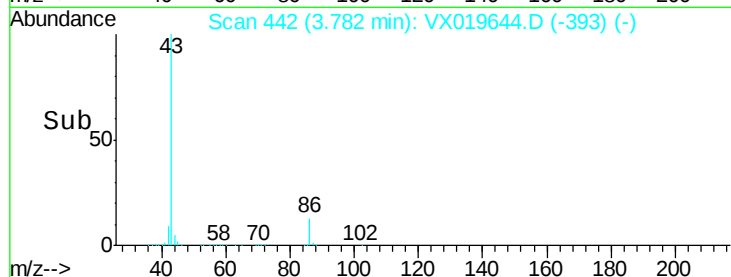
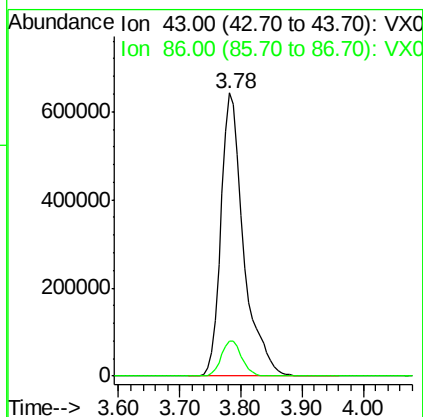
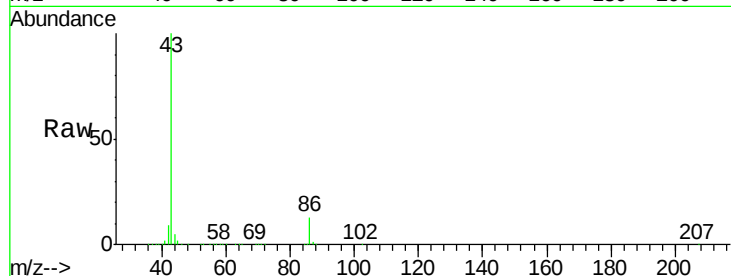
86 12.6 10.2 15.2

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#24

1,1-Dichloroethane

Concen: 51.582 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

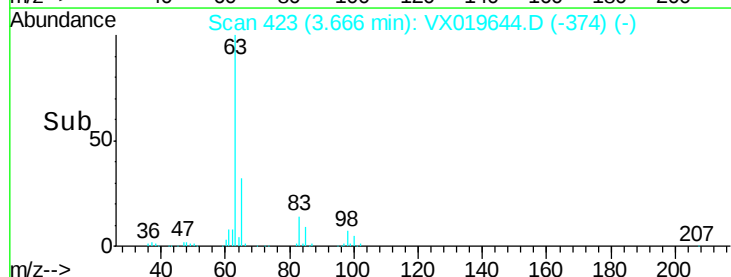
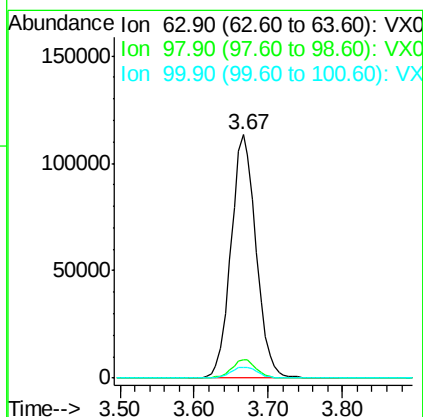
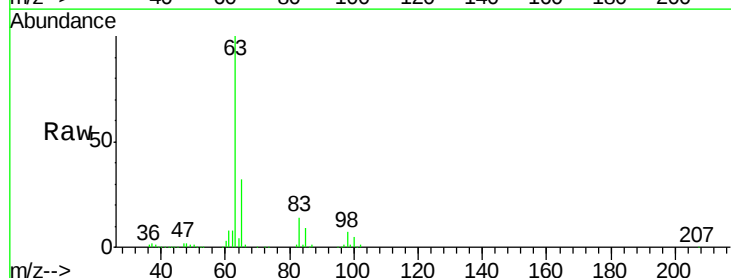
Tgt Ion: 63 Resp: 266565

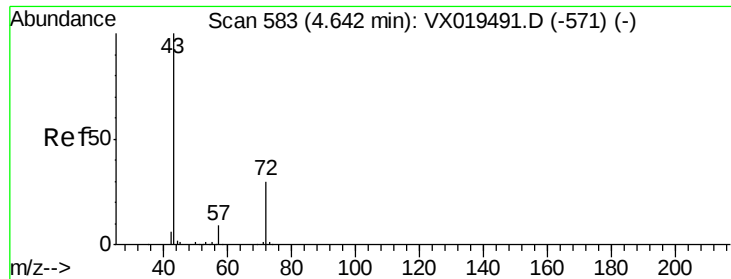
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.7

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 255.579 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119MSD

Tot Ion: 43 Resp: 505523

Ion Ratio Lower Upper

43 100

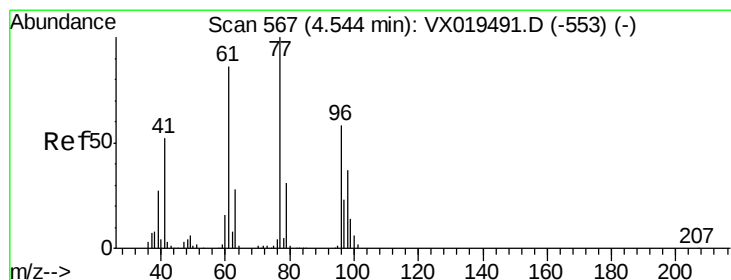
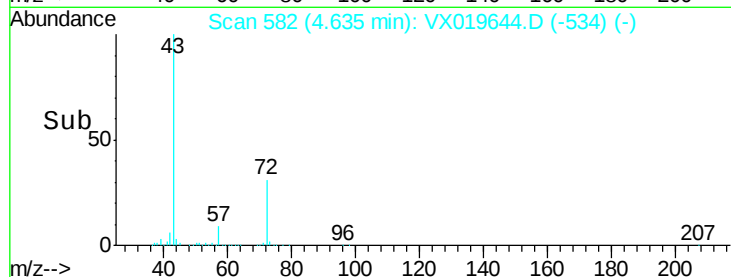
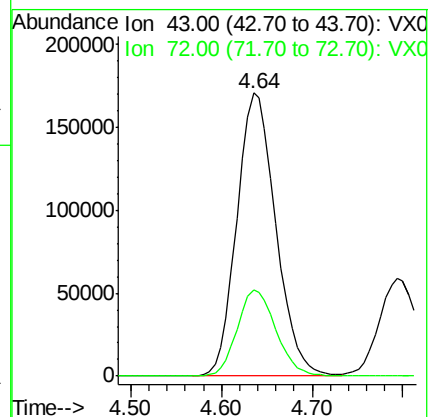
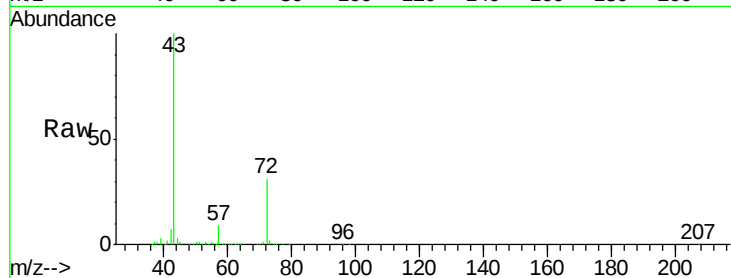
72 30.6 24.0 36.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 37.353 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.01 min

Lab File: VX019644.D

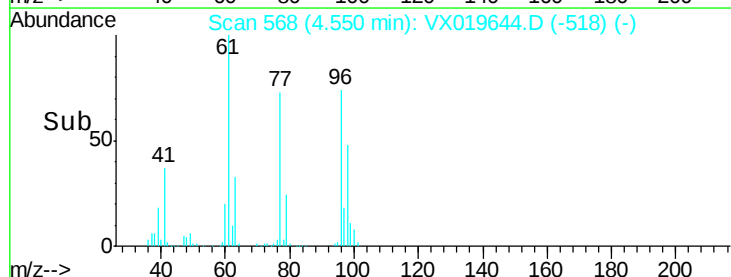
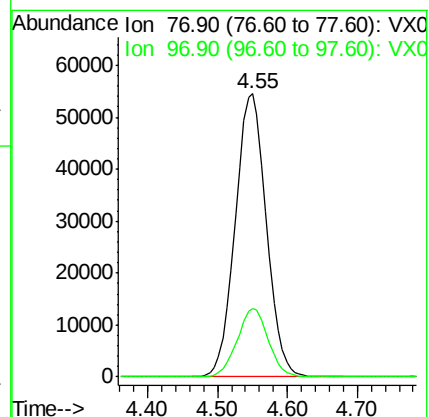
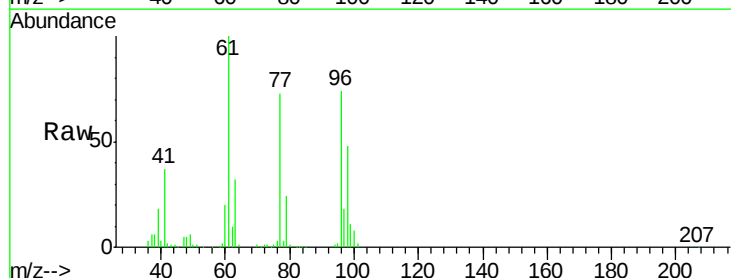
Acq: 25 Nov 2020 07:01

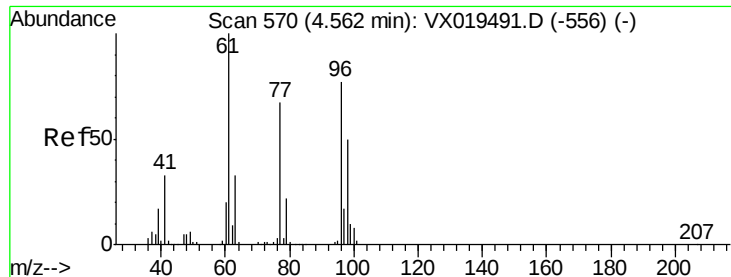
Tgt Ion: 77 Resp: 168490

Ion Ratio Lower Upper

77 100

97 24.2 11.6 34.8





#27

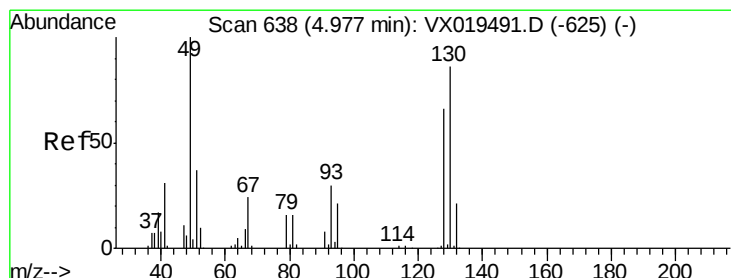
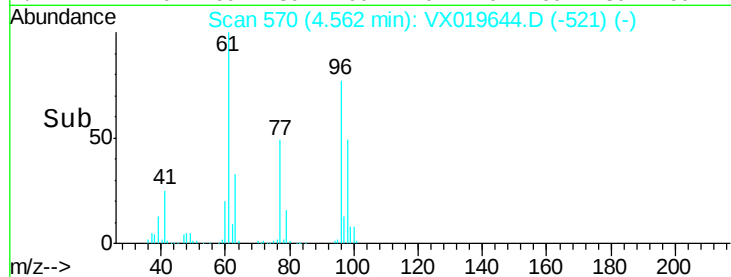
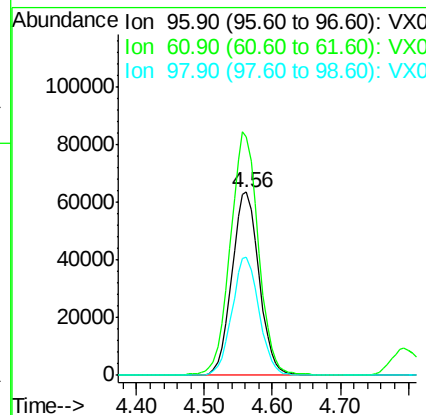
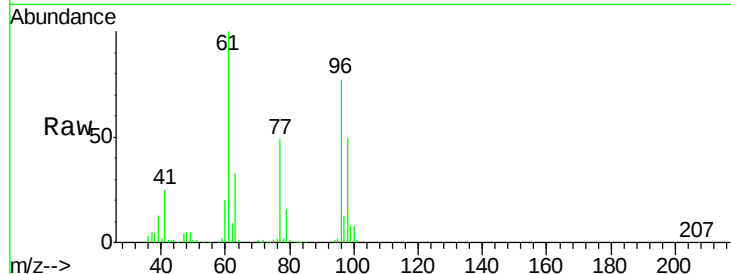
cis-1,2-Dichloroethene
Concen: 51.989 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	176399		
61	137.5	0.0	279.2	
98	64.4	0.0	129.8	

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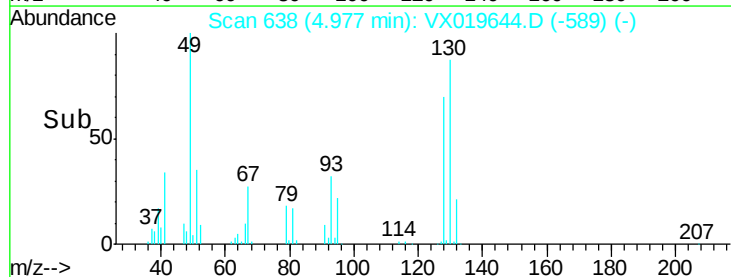
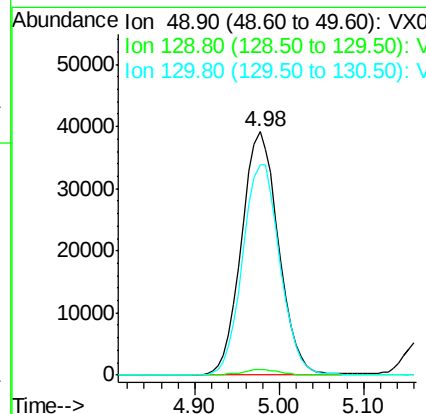
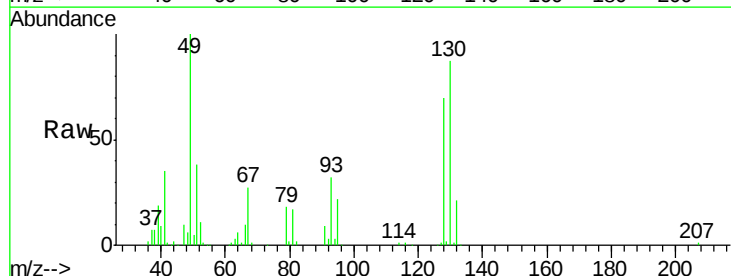
MMDadoda
11/25/2020 9:55:04 AM

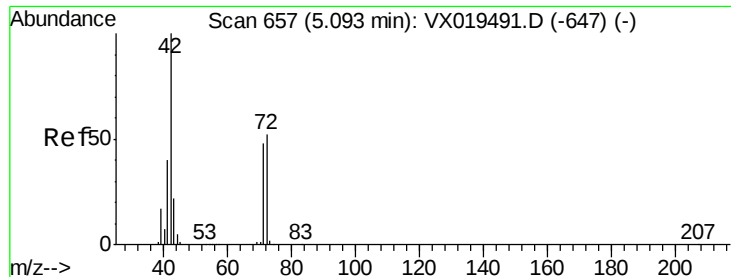


#28

Bromochloromethane
Concen: 47.303 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116872		
129	2.2	0.0	4.2	
130	87.2	69.0	103.6	





#29

Tetrahydrofuran

Concen: 256.008 ug/l

RT: 5.09 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

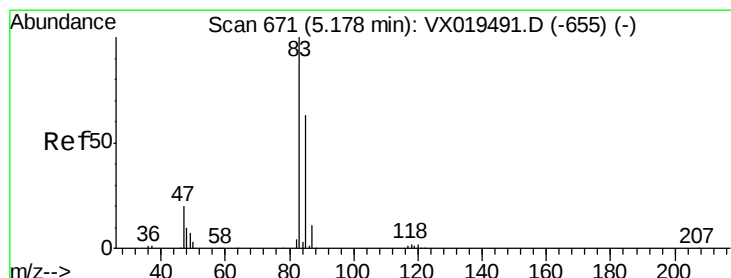
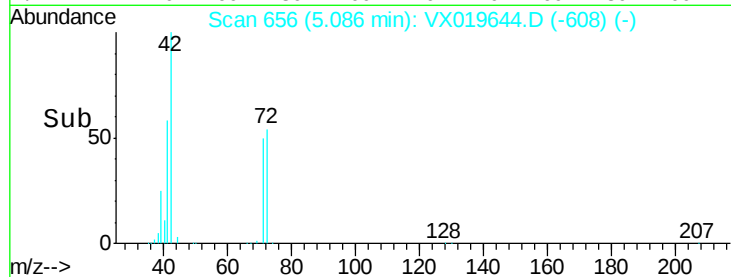
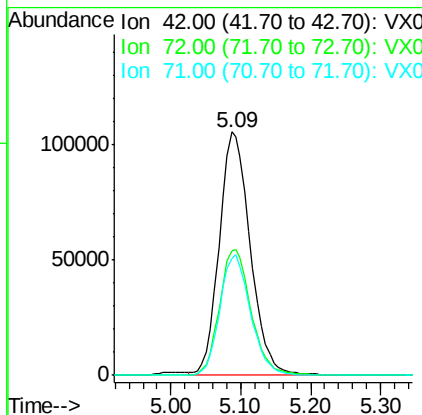
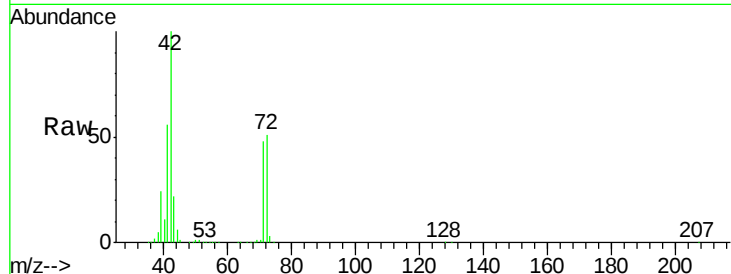
ClientSampleId :

GR-OF-20201119MSD

Tot Ion:	42	Resp:	323088
Ion Ratio		Lower	Upper
42	100		
72	53.2	42.6	63.8
71	49.2	39.0	58.6

Manual Integrations
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#30

Chloroform

Concen: 51.950 ug/l

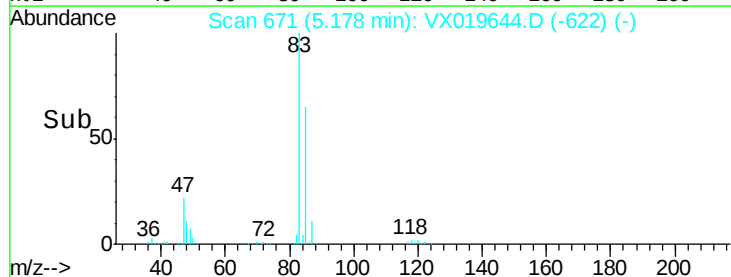
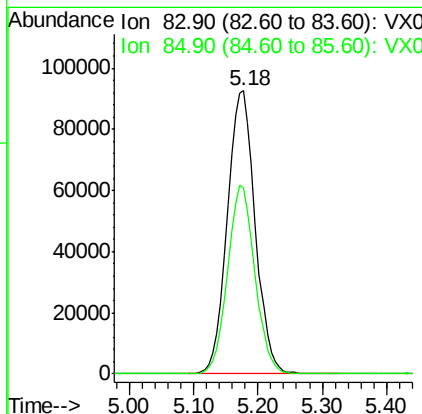
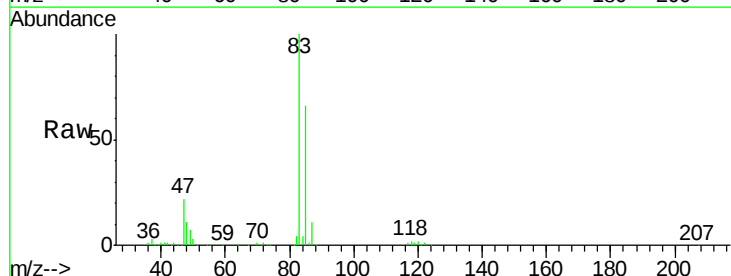
RT: 5.18 min Scan# 671

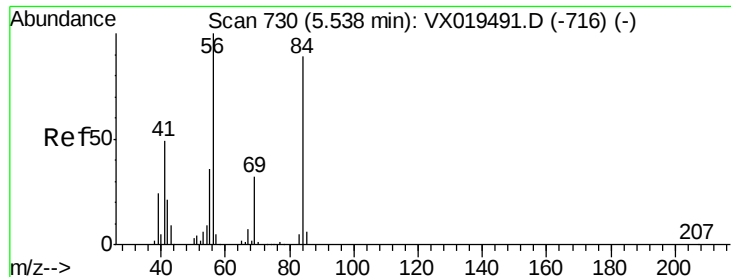
Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Tgt Ion:	83	Resp:	280725
Ion Ratio		Lower	Upper
83	100		
85	65.7	50.5	75.7





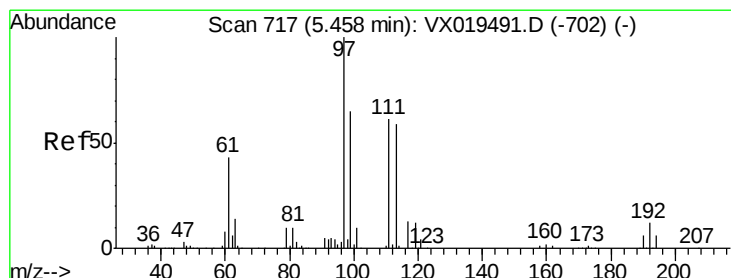
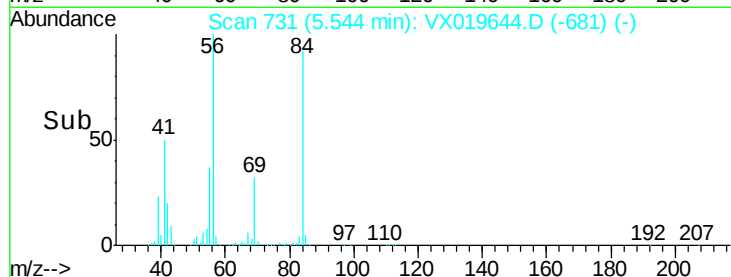
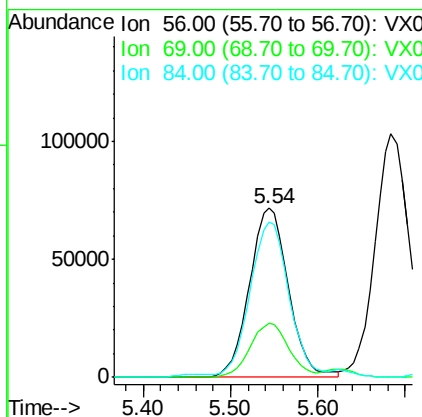
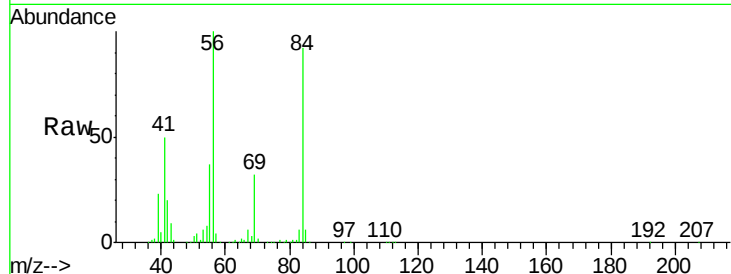
#31
Cyclohexane
Concen: 50.305 ug/l
RT: 5.54 min Scan# 731
Delta R.T. 0.01 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.5	38.3
84	89.8	71.1	106.7

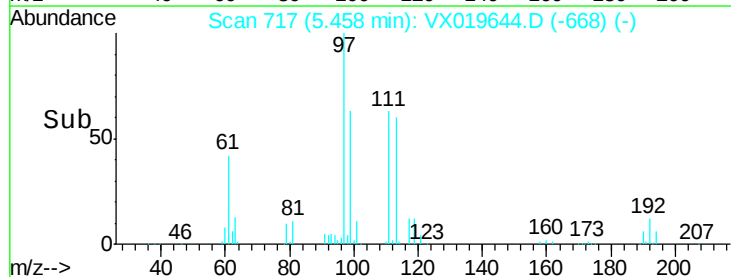
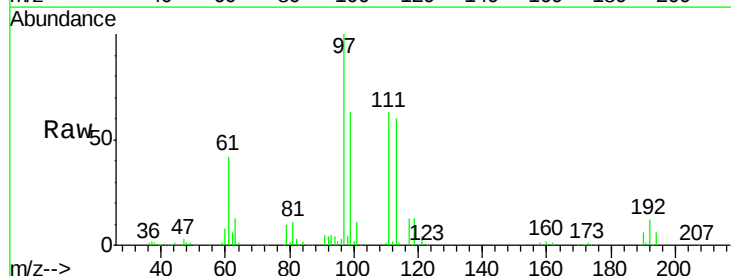
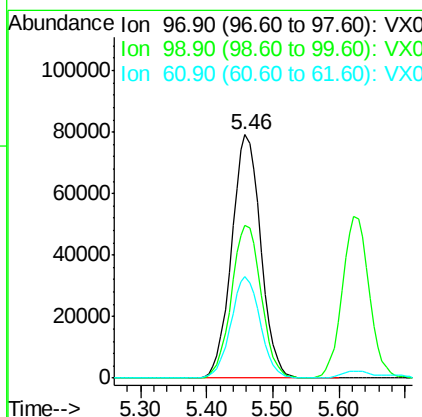
Manual Integrations
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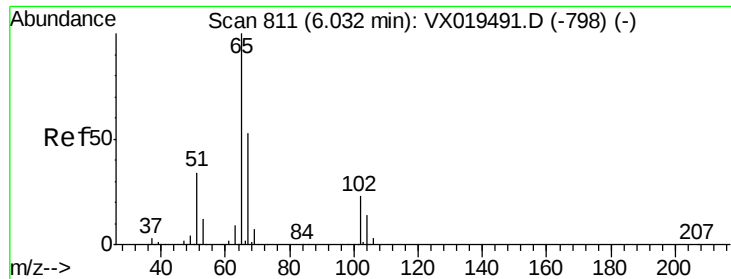
MMDadoda
11/25/2020 9:55:04 AM



#32
1,1,1-Trichloroethane
Concen: 51.939 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	42.0	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 50.006 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119MSD

Tot Ion: 65 Resp: 170261

Ion Ratio Lower Upper

65 100

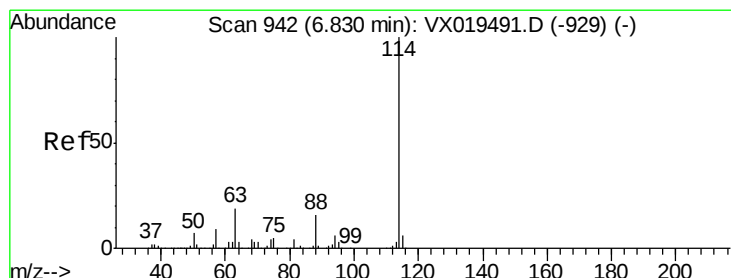
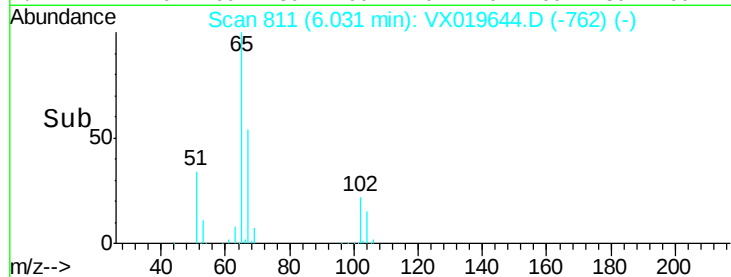
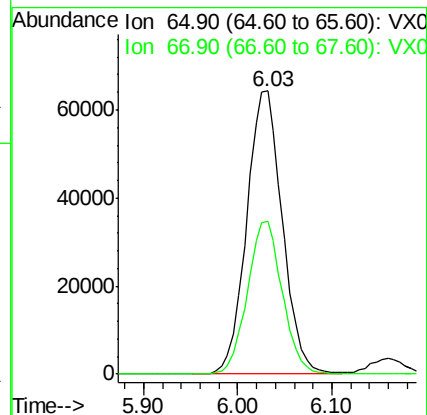
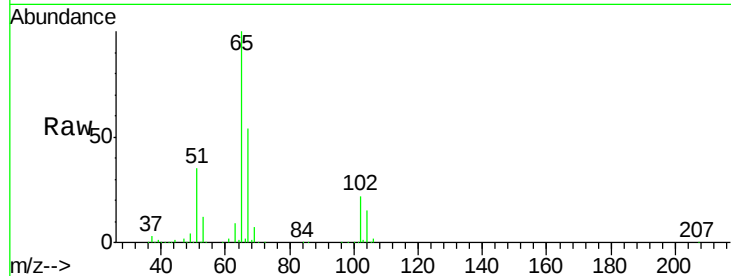
67 53.0 0.0 105.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

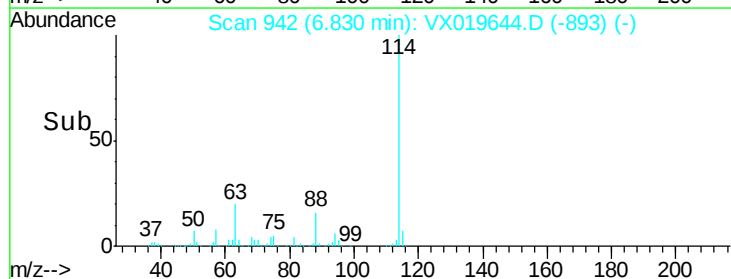
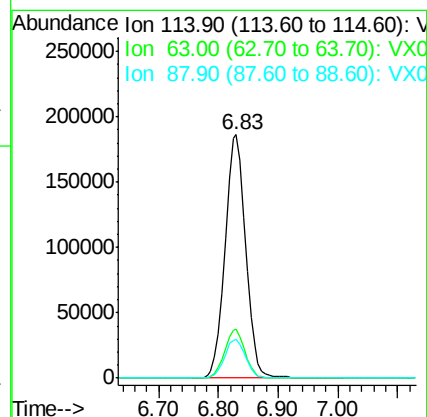
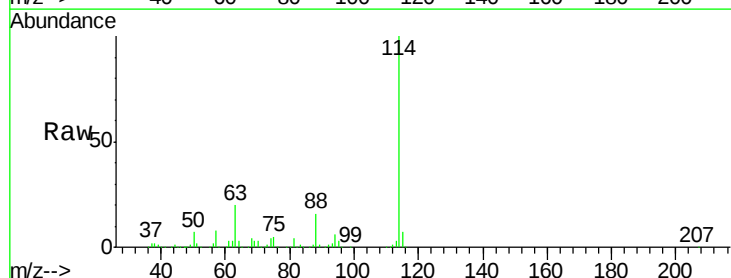
Tgt Ion: 114 Resp: 447926

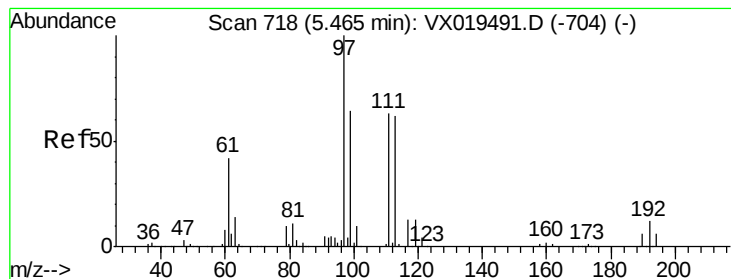
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.8

88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.556 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

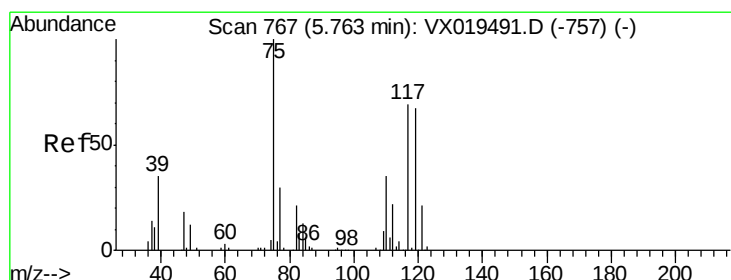
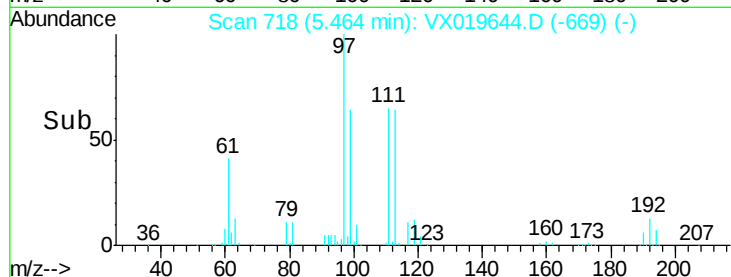
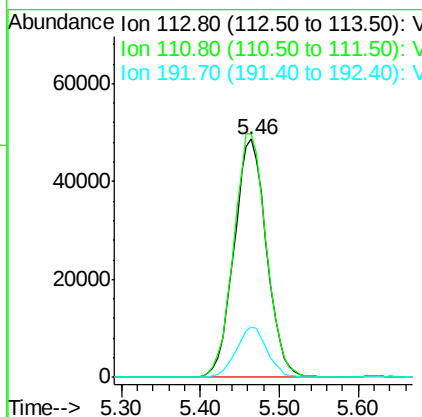
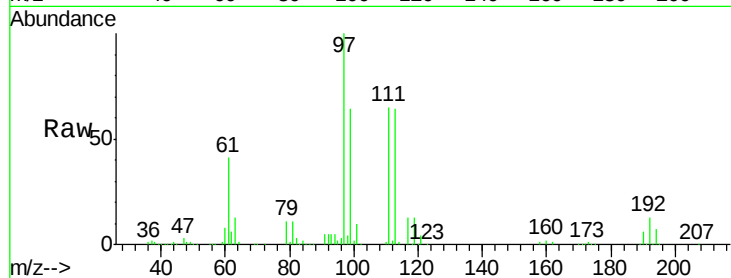
ClientSampleId :

GR-OF-20201119MSD

Tot Ion:	113	Resp:	139334
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.5	122.3
192	20.2	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 48.723 ug/l

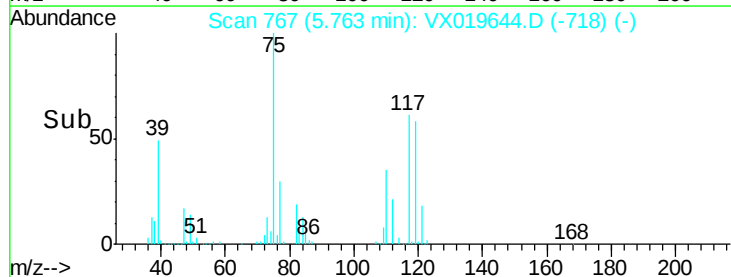
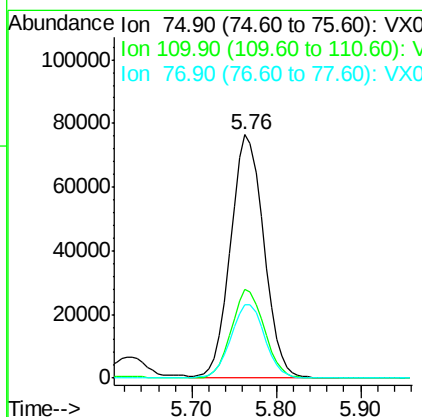
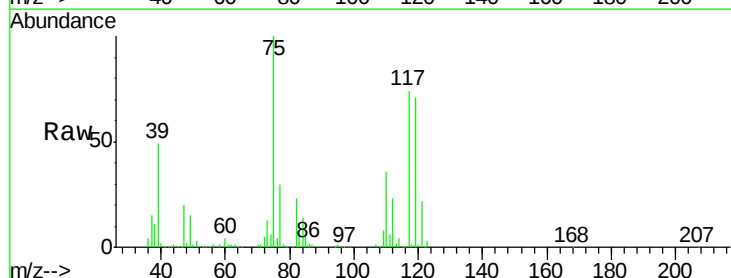
RT: 5.76 min Scan# 767

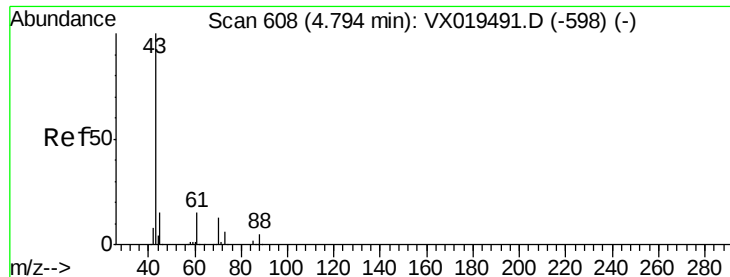
Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Tgt Ion:	75	Resp:	204604
Ion Ratio	Lower	Upper	
75	100		
110	35.9	18.1	54.3
77	30.6	24.2	36.4





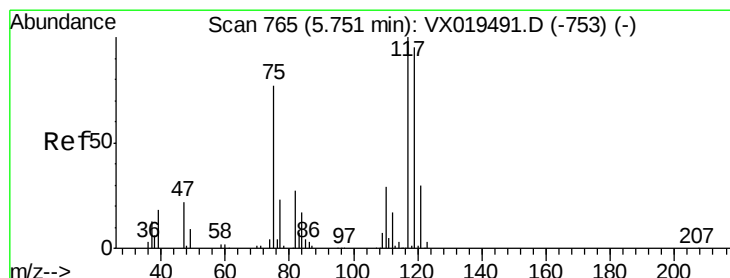
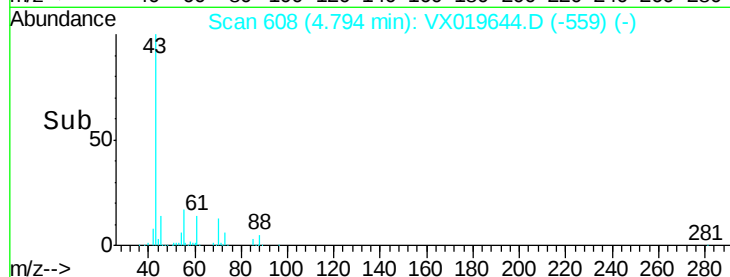
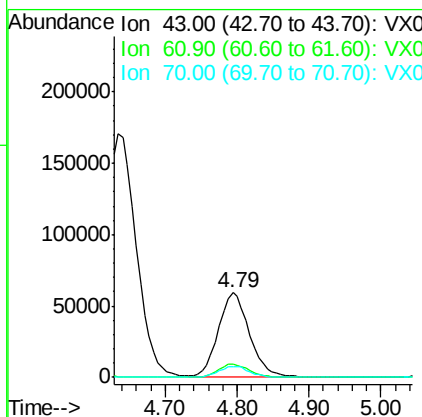
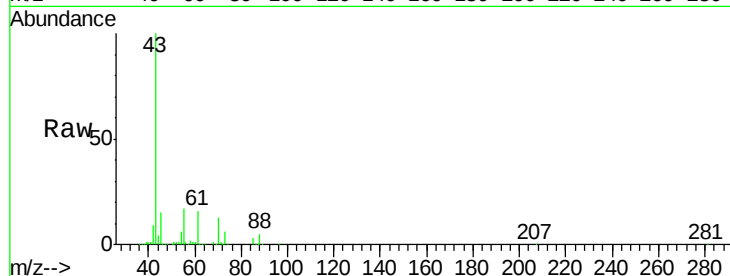
#37
Ethyl Acetate
Concen: 44.928 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.7	19.1
70	13.1	10.2	15.2

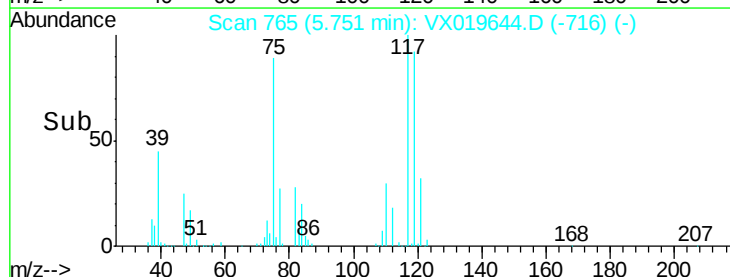
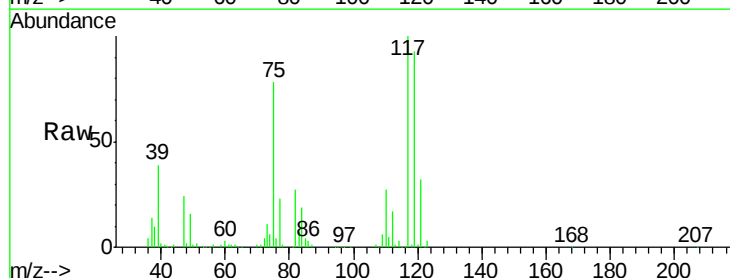
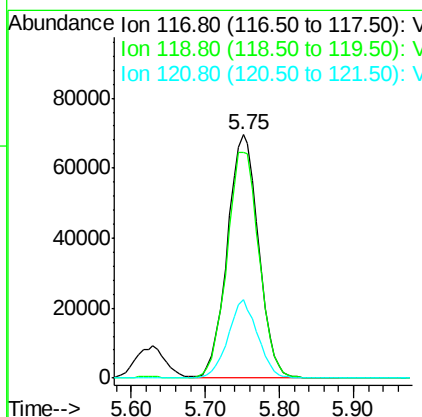
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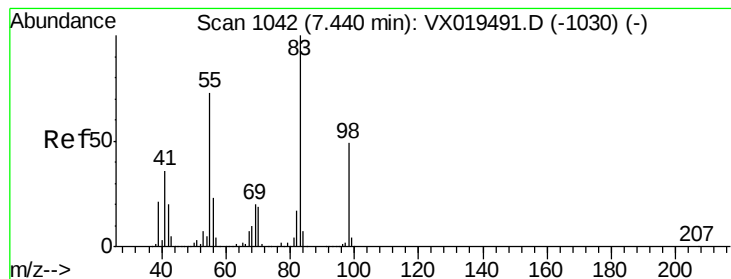
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#38
Carbon Tetrachloride
Concen: 50.106 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.9	113.9
121	32.3	24.0	36.0





#39

Methvlcvclohexane

Concen: 46.632 ug/l

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

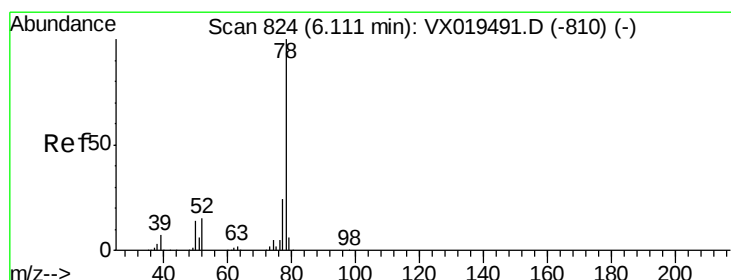
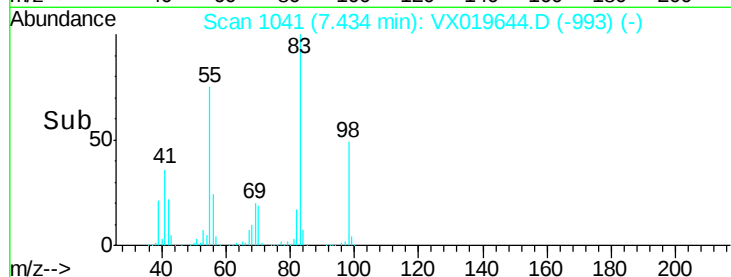
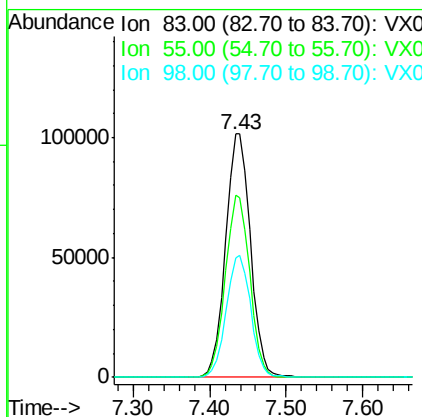
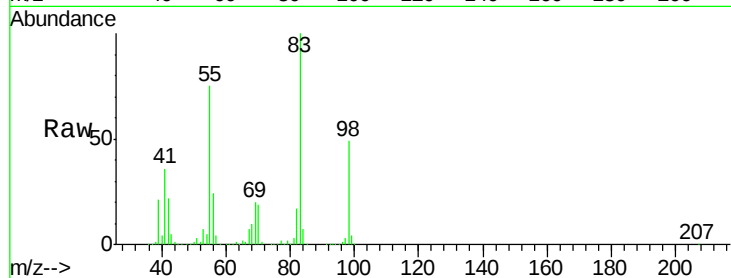
ClientSampleId :

GR-OF-20201119MSD

Tot Ion:	83	Resp:	228006
Ion Ratio	Lower	Upper	
83	100		
55	75.0	58.3	87.5
98	49.2	38.9	58.3

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#40

Benzene

Concen: 49.170 ug/l

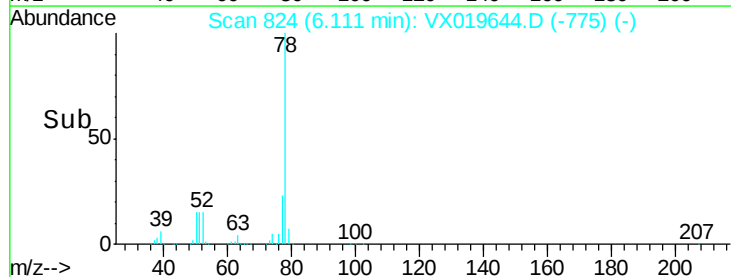
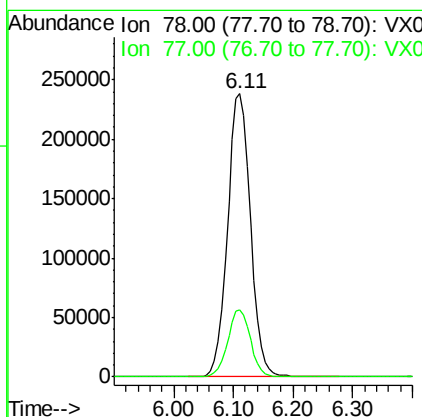
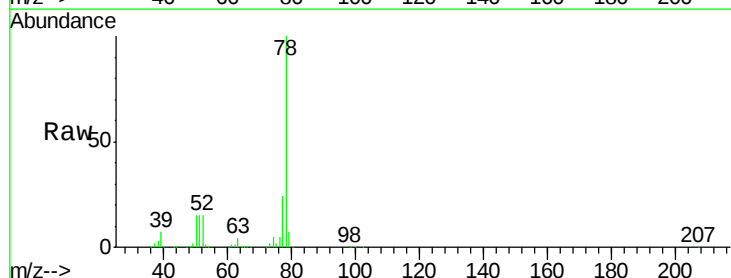
RT: 6.11 min Scan# 824

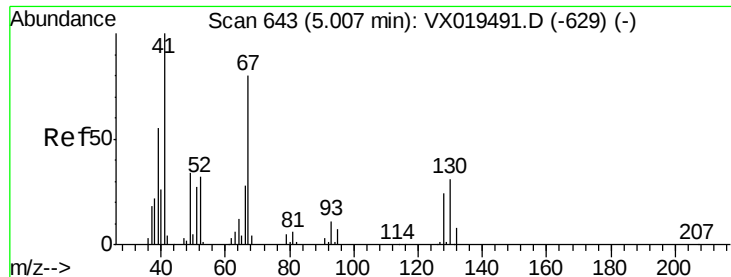
Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Tgt Ion:	78	Resp:	634416
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.9	28.3





#41

Methacrylonitrile

Concen: 50.523 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.01 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

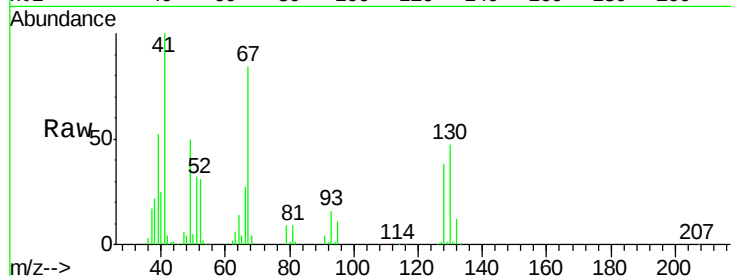
ClientSampleId :

GR-OF-20201119MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		109834		
39	53.1	43.3	64.9		
67	85.6	66.0	99.0		
52	32.3	25.4	38.2		

Manual Integrations
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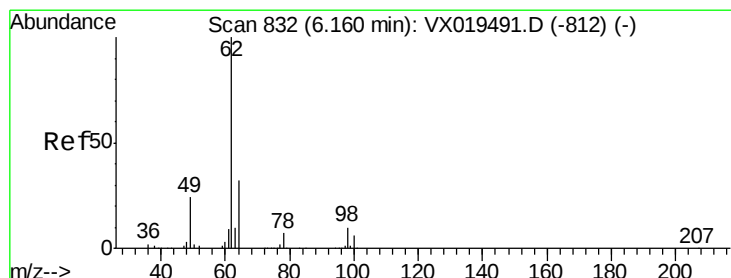
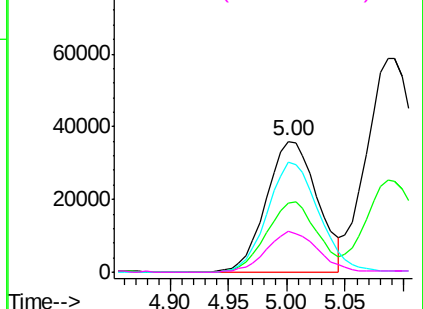
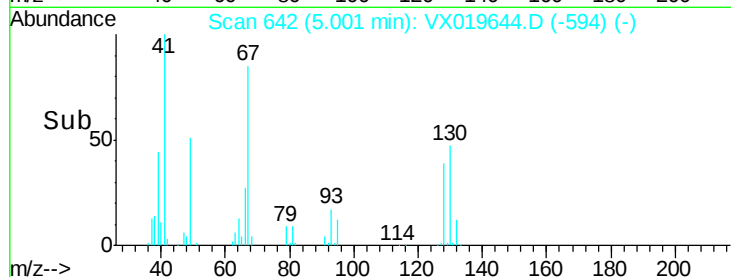


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 49.835 ug/l

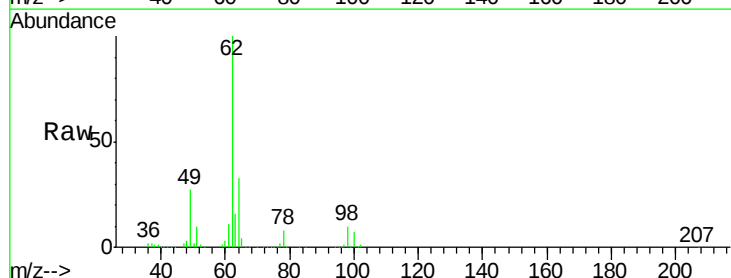
RT: 6.16 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX019644.D

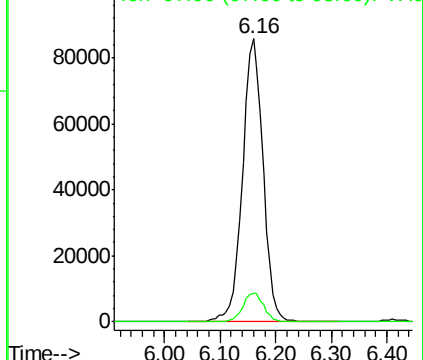
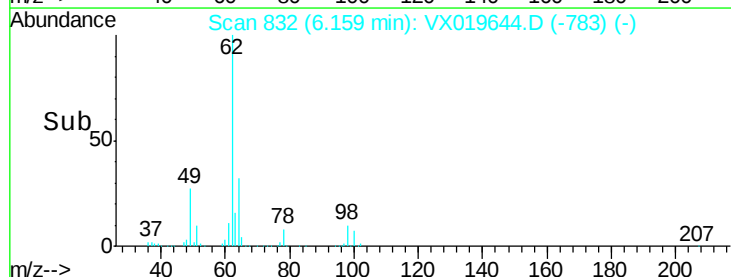
Acq: 25 Nov 2020 07:01

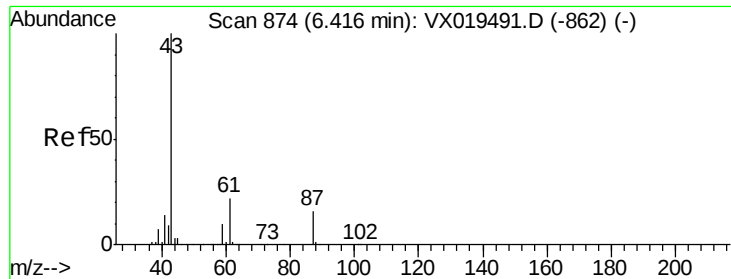
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		220391		
98	10.2	0.0	20.0		



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

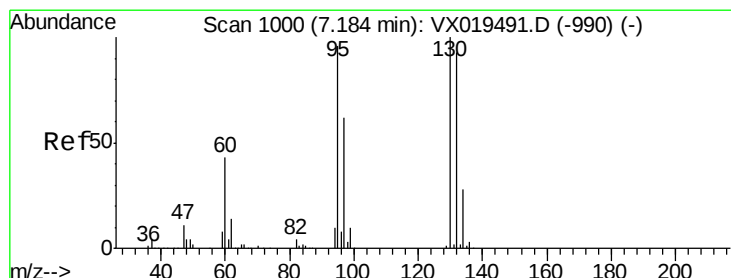
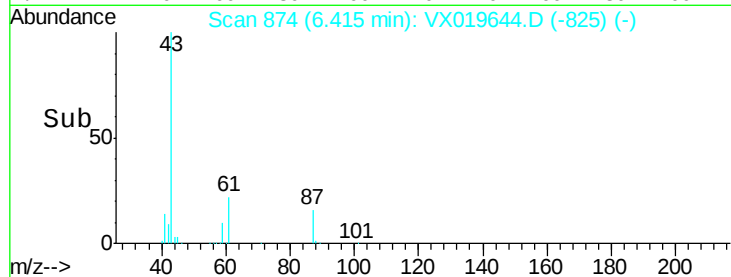
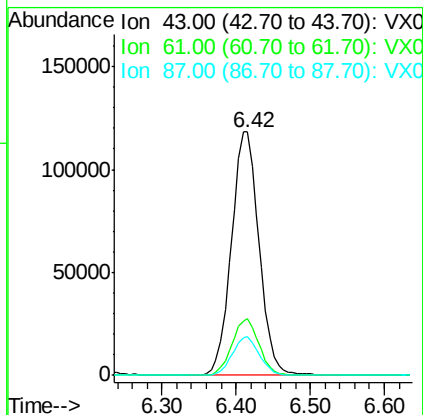
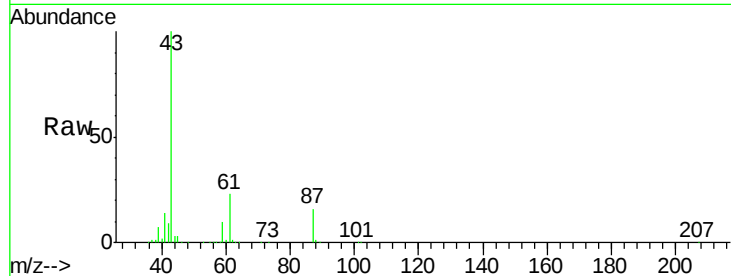
Isopropyl Acetate
 Concen: 46.249 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX019644.D
 Acq: 25 Nov 2020 07:01

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.0	18.2	27.2
87	15.6	12.6	18.8

Manual Integrations
 APPROVED

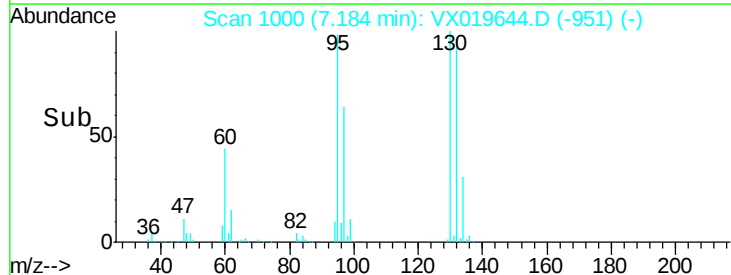
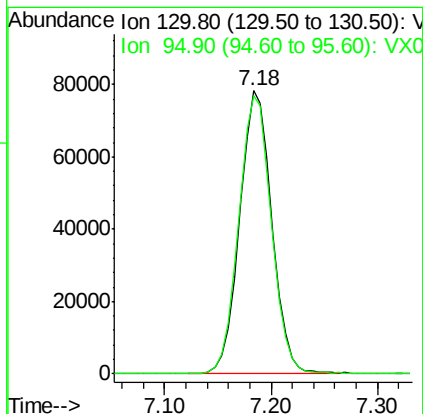
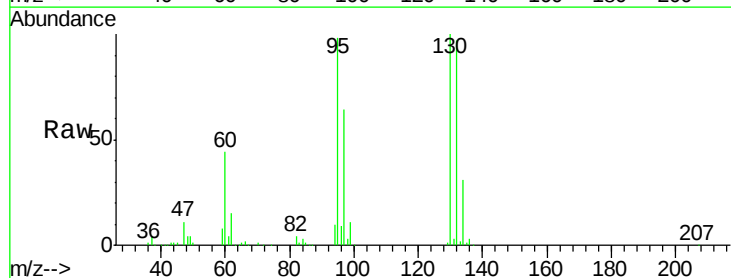
MMDadoda
 11/25/2020 9:55:04 AM

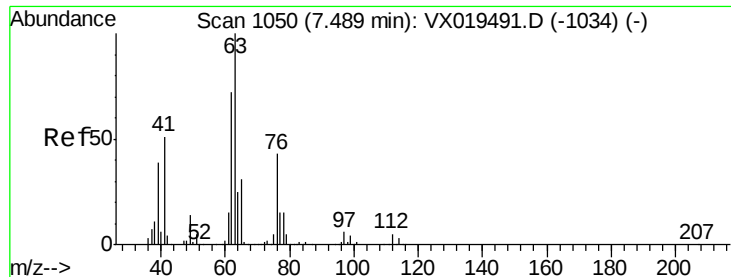


#44

Trichloroethene
 Concen: 49.104 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VX019644.D
 Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	191.2





#45

1,2-Dichloropropane

Concen: 50.299 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119MSD

Tot Ion: 63 Resp: 159766

Ion Ratio Lower Upper

63 100

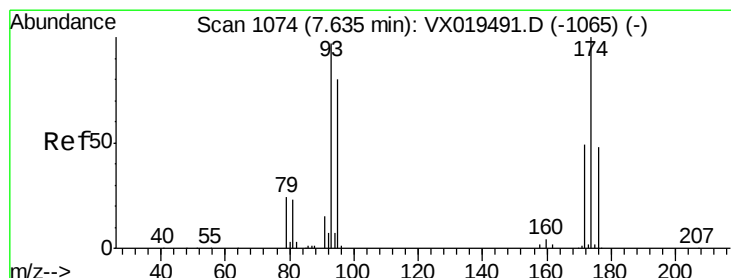
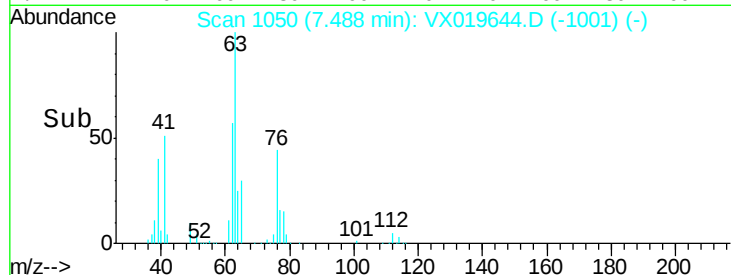
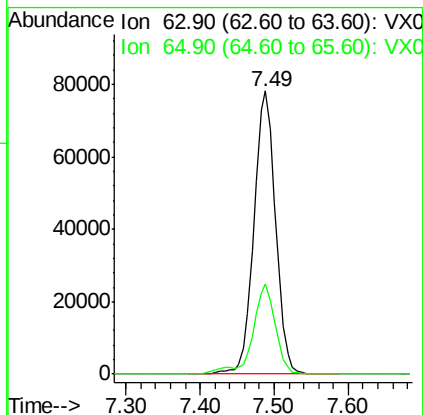
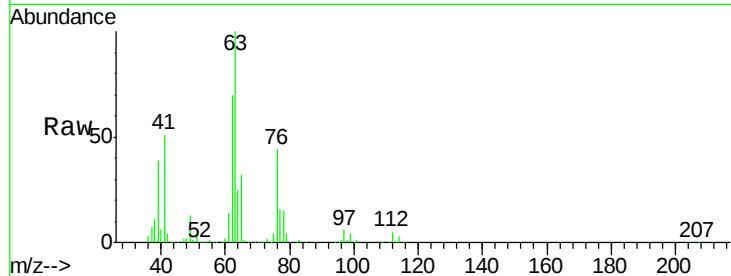
65 31.6 25.0 37.4

Manual Integrations

APPROVED

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#46

Dibromomethane

Concen: 50.241 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

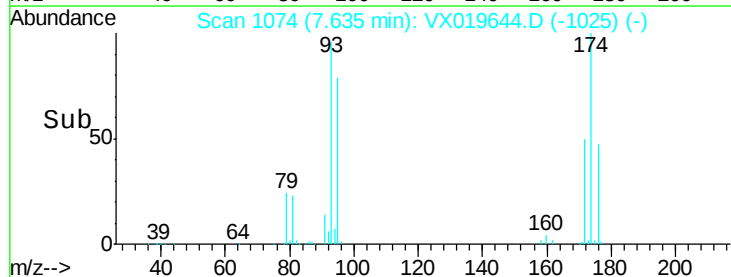
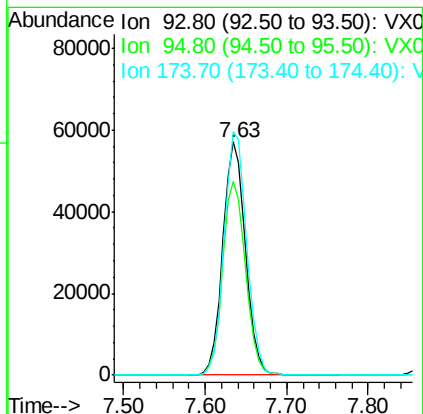
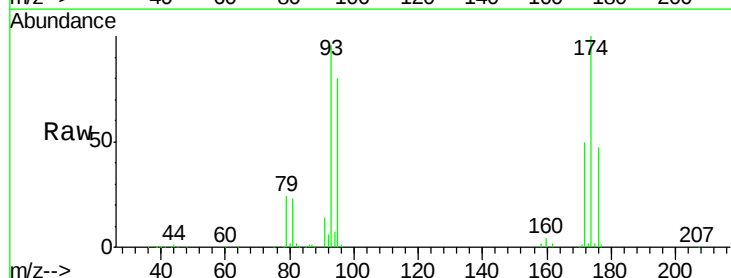
Tgt Ion: 93 Resp: 109222

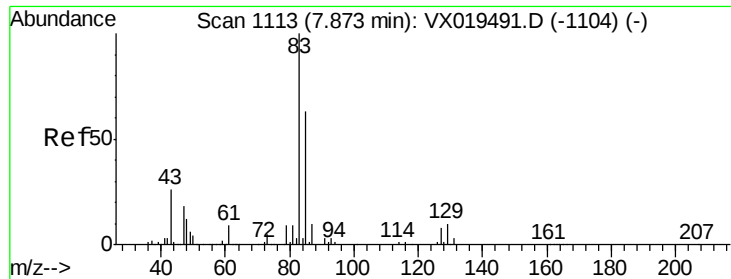
Ion Ratio Lower Upper

93 100

95 83.9 66.8 100.2

174 104.0 83.0 124.4





#47

Bromodichloromethane

Concen: 51.872 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

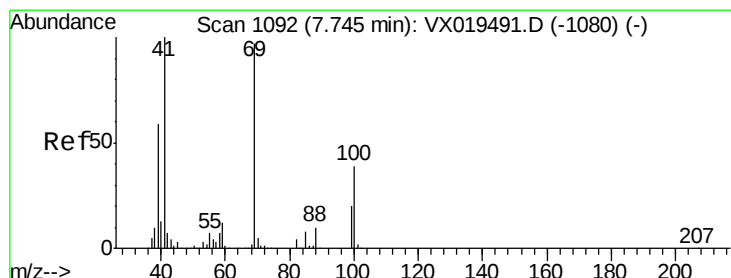
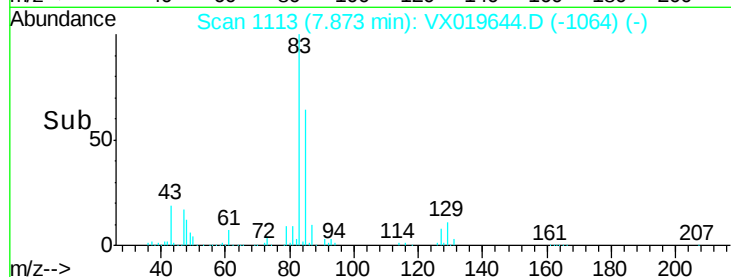
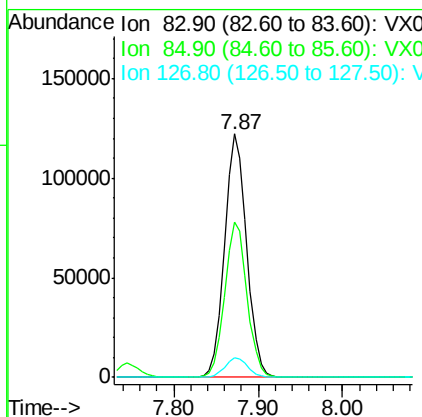
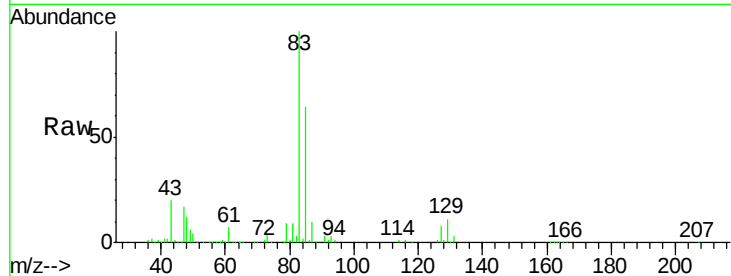
ClientSampleId :

GR-OF-20201119MSD

Tot Ion:	83	Resp:	218821
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.2	75.2
127	8.3	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.766 ug/l

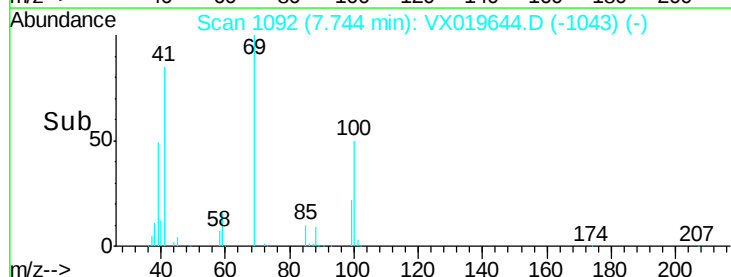
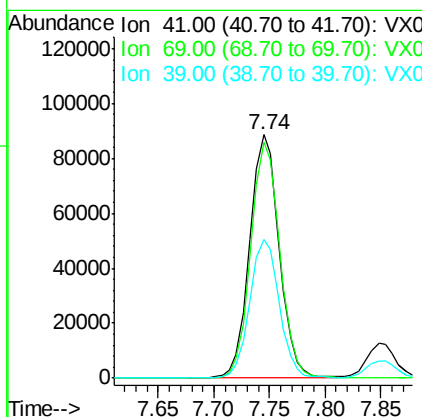
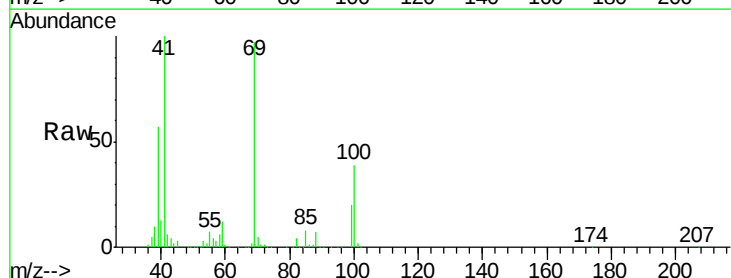
RT: 7.74 min Scan# 1092

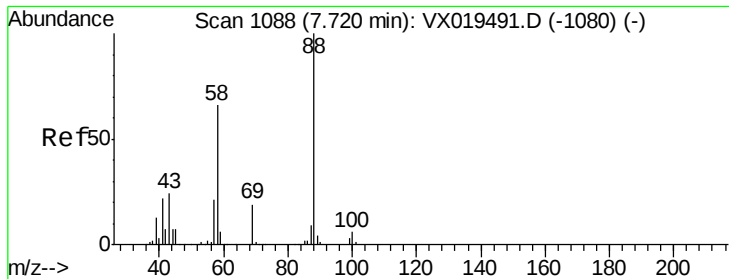
Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Tgt Ion:	41	Resp:	163764
Ion Ratio	Lower	Upper	
41	100		
69	95.9	77.0	115.6
39	57.1	45.6	68.4





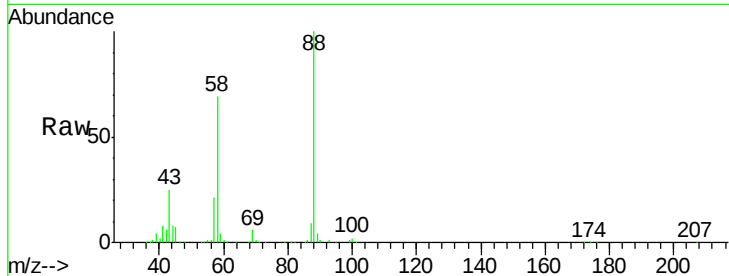
#49
1,4-Dioxane
Concen: 1036.723 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.01 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.9	23.8	35.6
58	68.8	54.2	81.2

Manual Integrations
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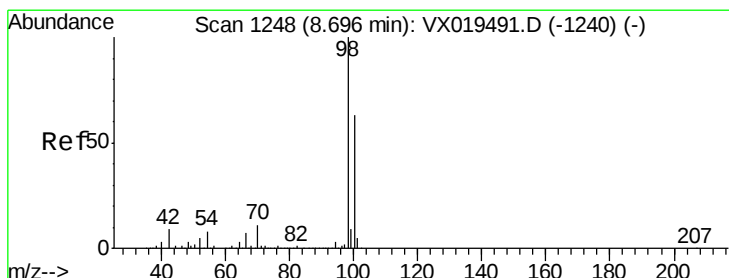
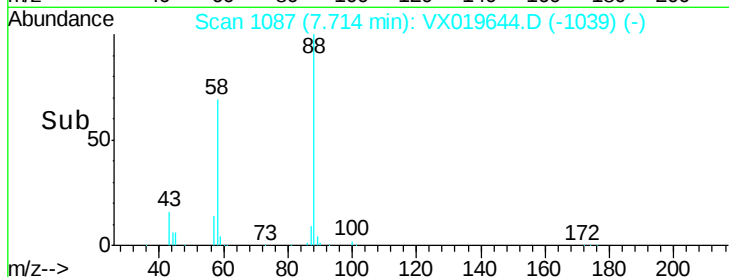
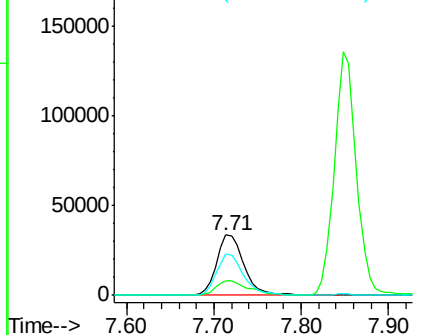
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Abundance Ion 88.00 (87.70 to 88.70): VX019491.D (-1080) (-)

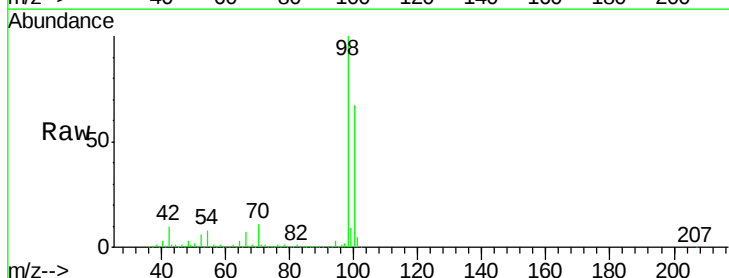
Ion 43.00 (42.70 to 43.70): VX019491.D (-1080) (-)

Ion 58.00 (57.70 to 58.70): VX019491.D (-1080) (-)



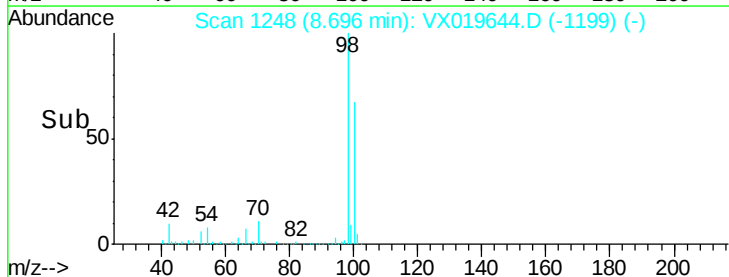
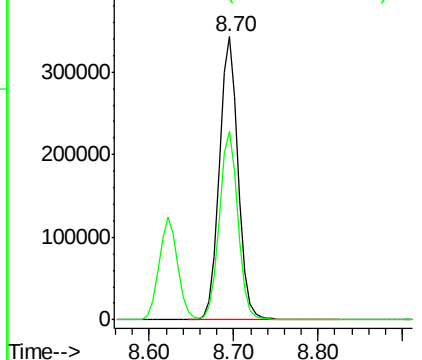
#50
Toluene-d8
Concen: 48.254 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

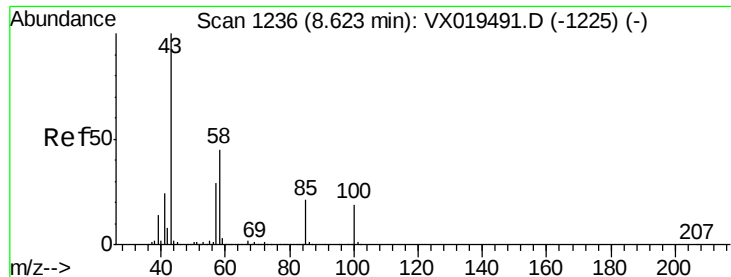
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.4	78.6



Abundance Ion 98.00 (97.70 to 98.70): VX019644.D (-1199) (-)

Ion 100.00 (99.70 to 100.70): VX019644.D (-1199) (-)





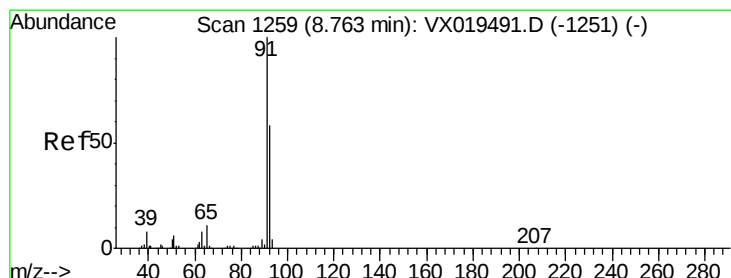
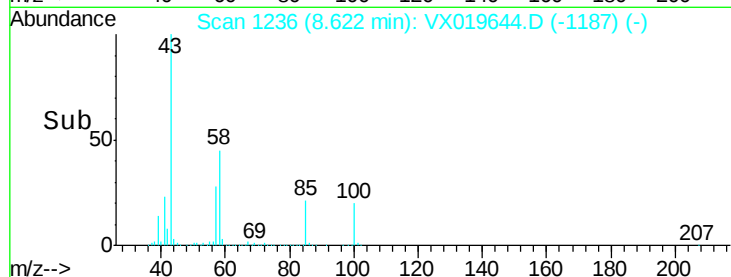
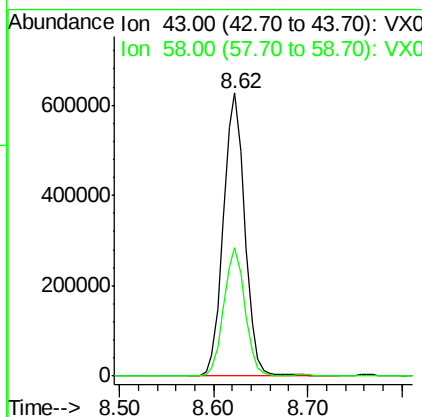
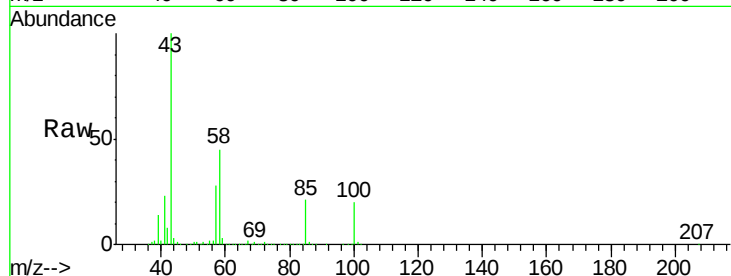
#51
4-Methyl-2-Pentanone
Concen: 256.340 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.6	35.1	52.7

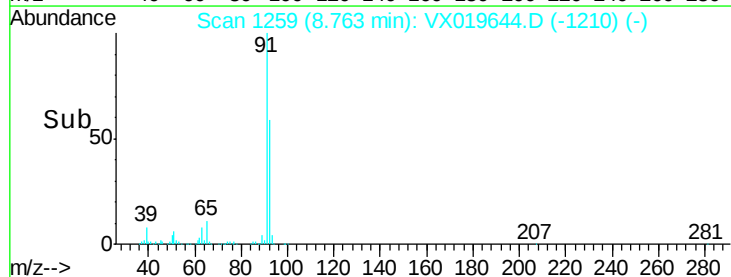
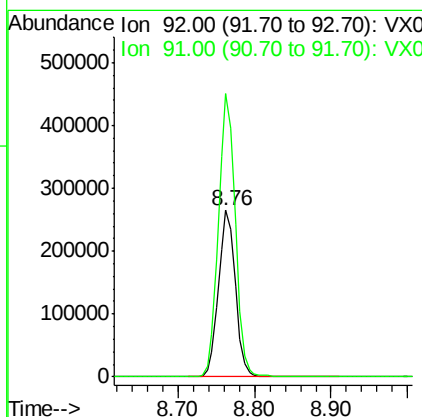
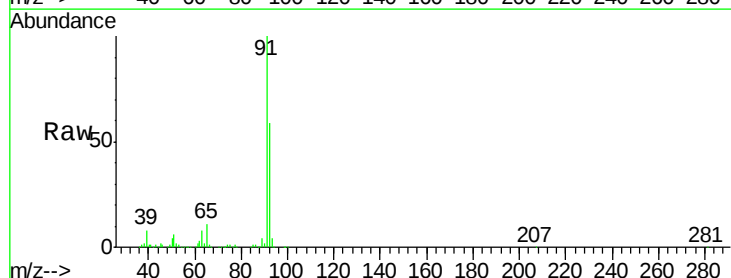
Manual Integrations
APPROVED

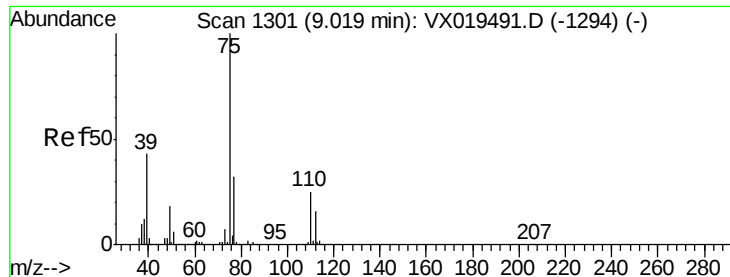
MMDadoda
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#52
Toluene
Concen: 51.358 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.0	138.1	207.1





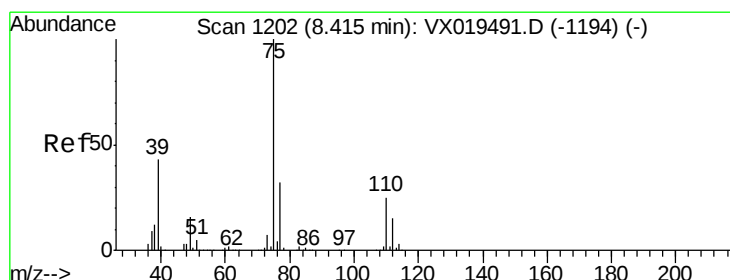
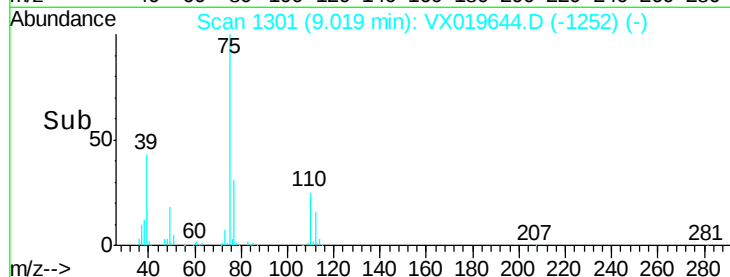
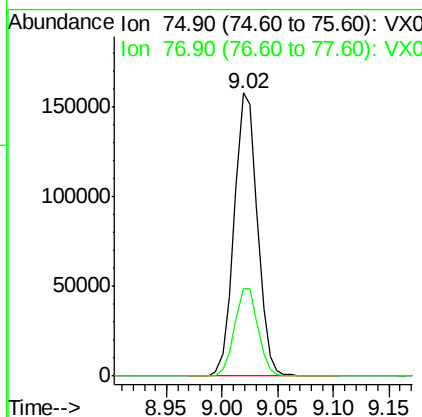
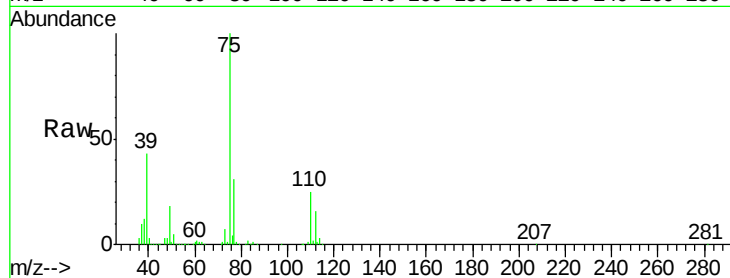
#53
t-1,3-Dichloropropene
Concen: 49.978 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.3	37.9

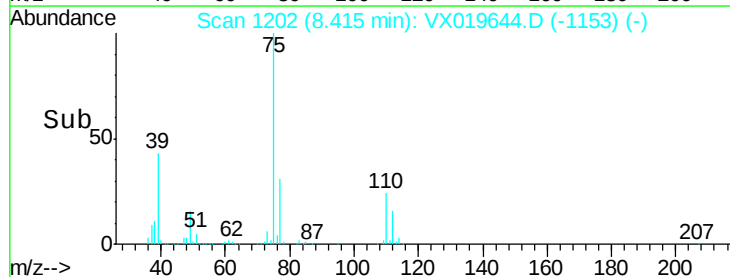
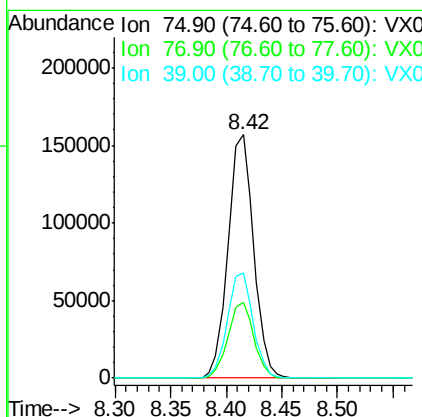
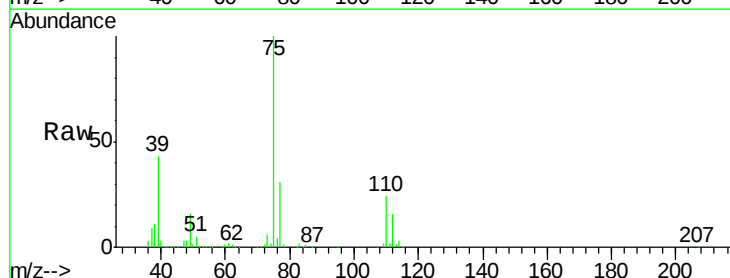
Manual Integrations
APPROVED

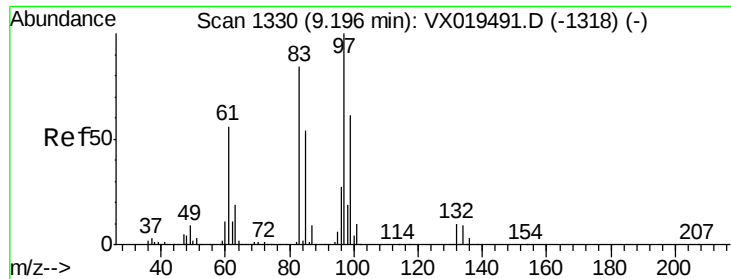
MMDadoda
11/25/2020 9:55:04 AM



#54
cis-1,3-Dichloropropene
Concen: 49.487 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.8	38.6
39	43.1	34.6	51.8





#55

1,1,2-Trichloroethane

Concen: 50.910 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

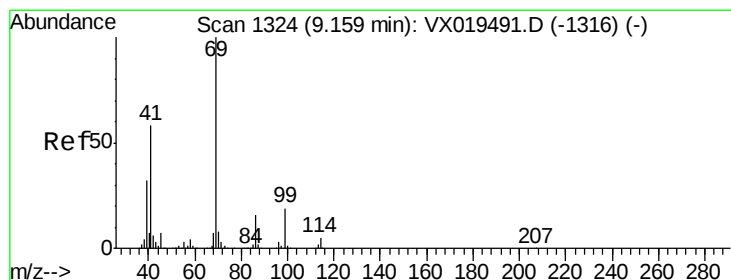
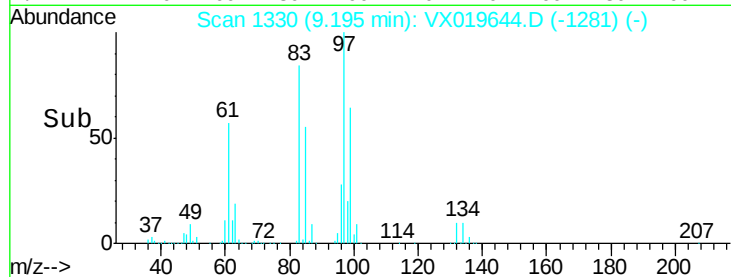
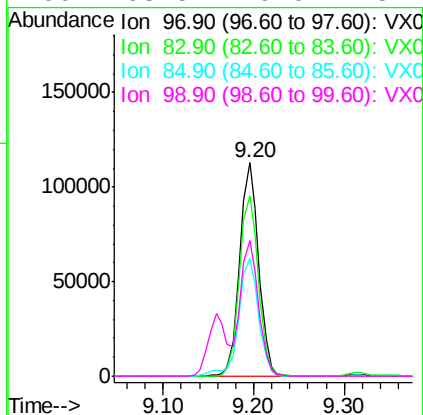
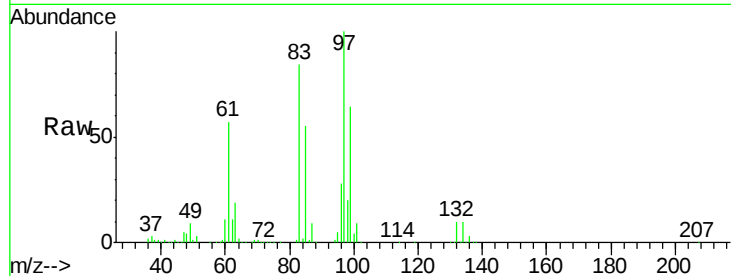
ClientSampleId :

GR-OF-20201119MSD

Tot Ion:	97	Resp:	163651
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.0	100.6
85	54.9	43.4	65.0
99	63.5	49.0	73.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.795 ug/l

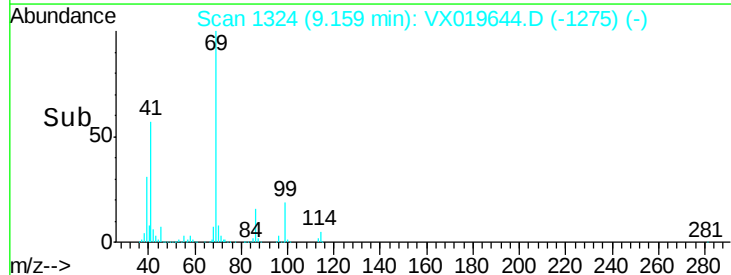
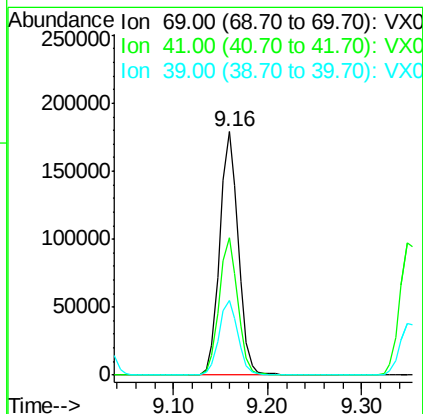
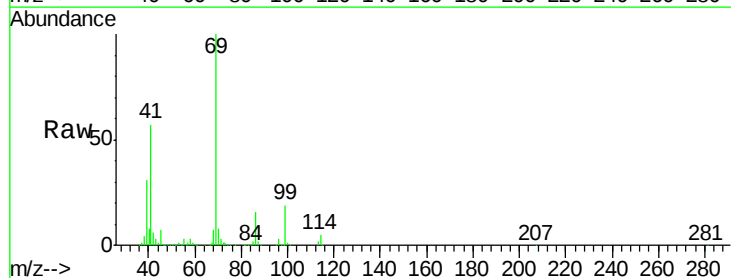
RT: 9.16 min Scan# 1324

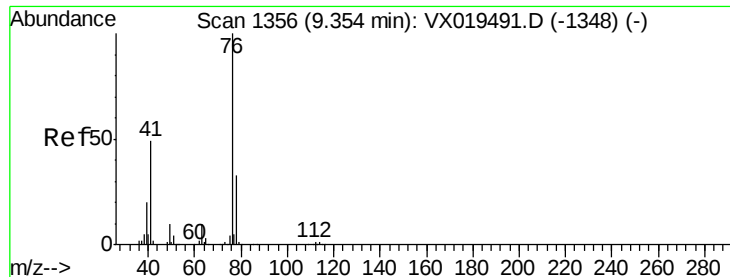
Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Tgt Ion:	69	Resp:	244693
Ion	Ratio	Lower	Upper
69	100		
41	56.6	46.2	69.2
39	31.4	25.5	38.3





#57

1,3-Dichloropropane

Concen: 51.054 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119MSD

Tot Ion: 76 Resp: 274764

Ion Ratio Lower Upper

76 100

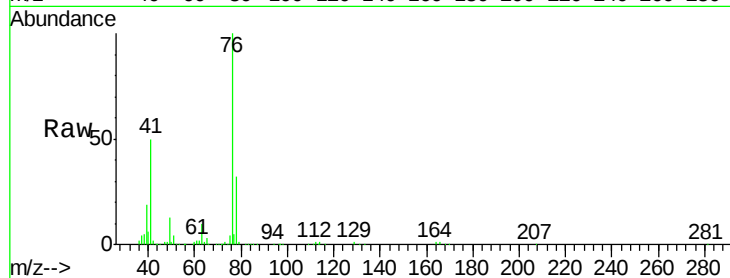
78 32.6 25.7 38.5

Manual Integrations

APPROVED

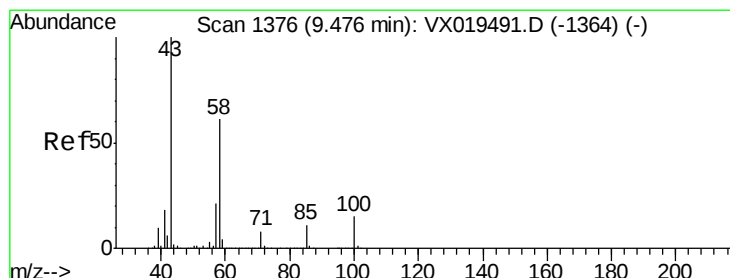
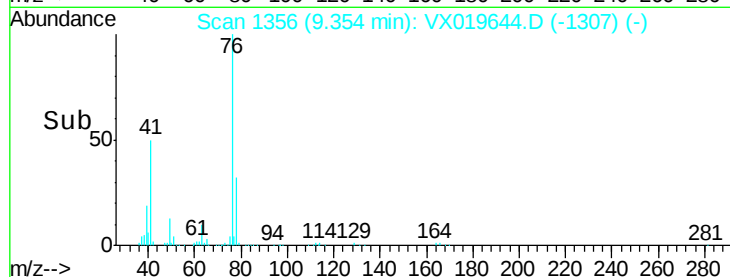
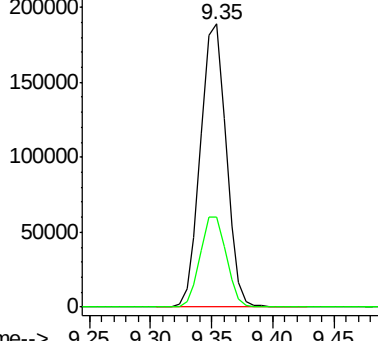
MMDadoda

11/25/2020 9:55:04 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 253.334 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX019644.D

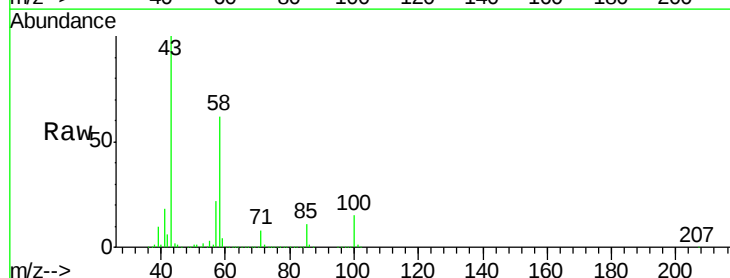
Acq: 25 Nov 2020 07:01

Tgt Ion: 43 Resp: 742484

Ion Ratio Lower Upper

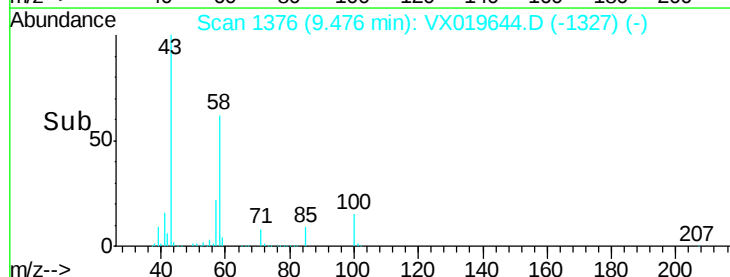
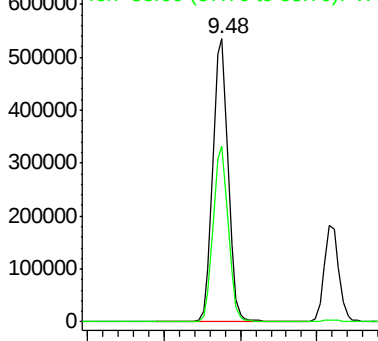
43 100

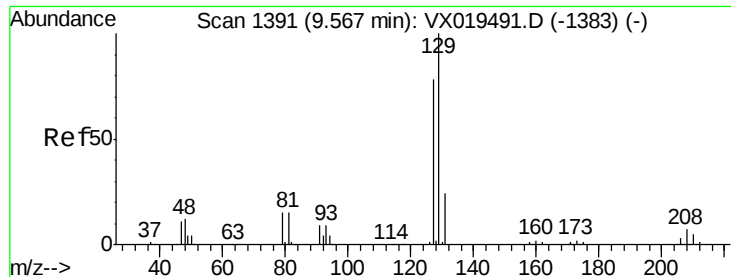
58 61.7 30.6 91.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 52.968 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119MSD

Tot Ion:129 Resp: 166777

Ion Ratio Lower Upper

129 100

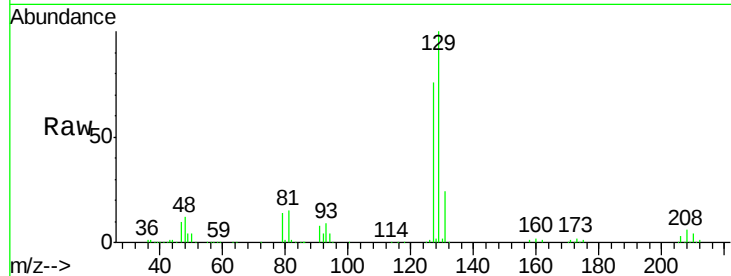
127 76.9 39.0 116.9

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

120000

100000

80000

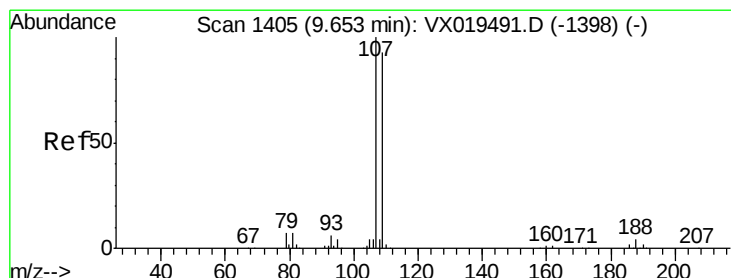
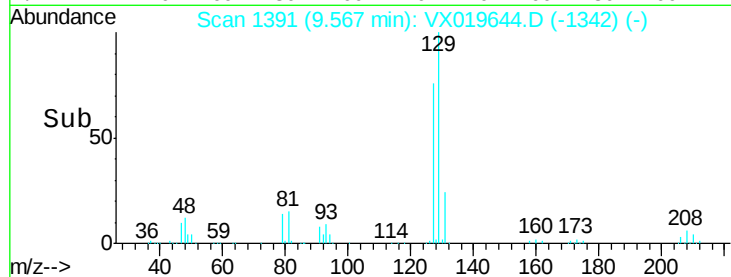
60000

40000

20000

0

Time--> 9.50 9.60 9.70



#61

1,2-Dibromoethane

Concen: 50.930 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019644.D

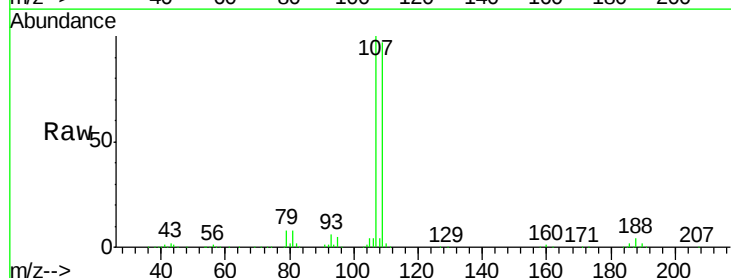
Acq: 25 Nov 2020 07:01

Tgt Ion:107 Resp: 168758

Ion Ratio Lower Upper

107 100

109 94.7 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

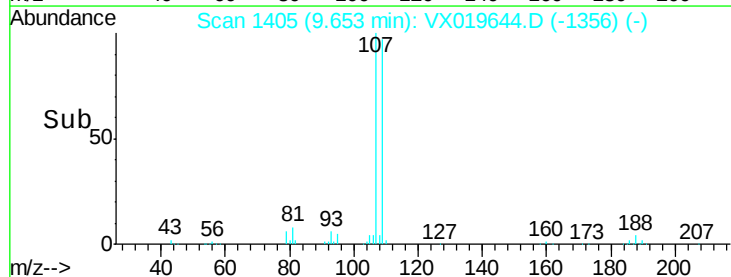
9.65

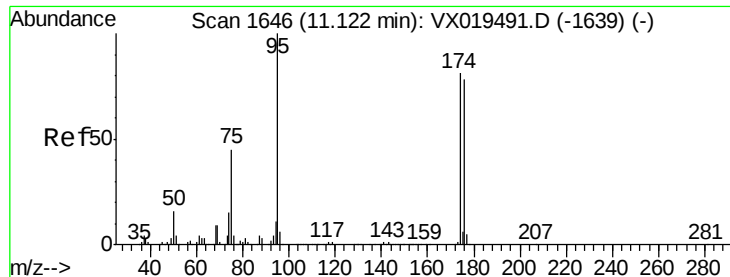
100000

50000

0

Time--> 9.55 9.60 9.65 9.70 9.75





#62

4-Bromofluorobenzene

Concen: 48.929 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

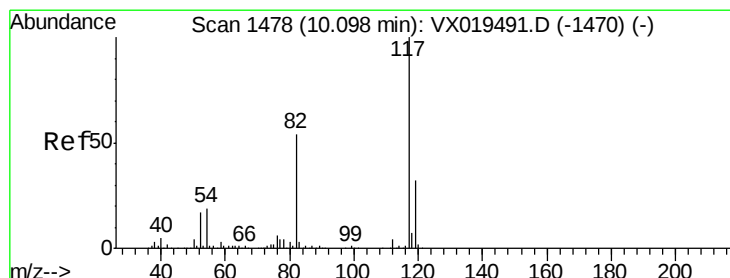
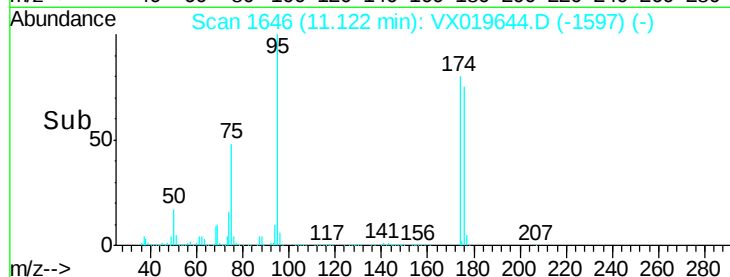
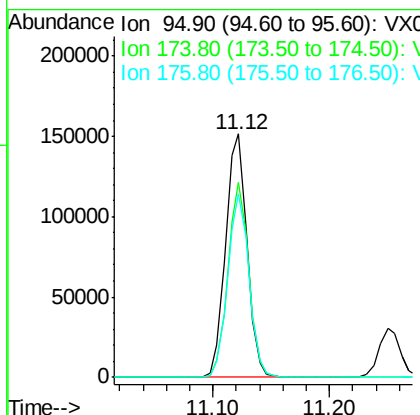
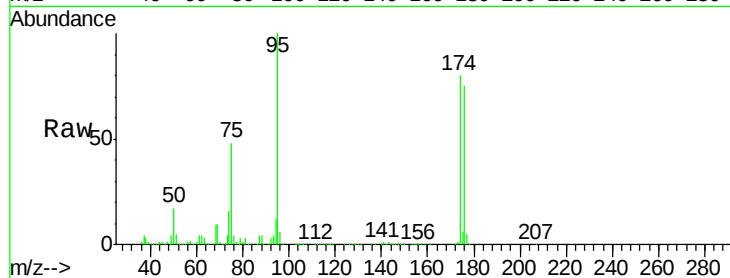
ClientSampleId :

GR-OF-20201119MSD

Tot Ion:	95	Resp:	192335
Ion Ratio	Lower	Upper	
95	100		
174	78.5	0.0	156.2
176	75.0	0.0	151.4

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11/25/2020 9:55:04 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

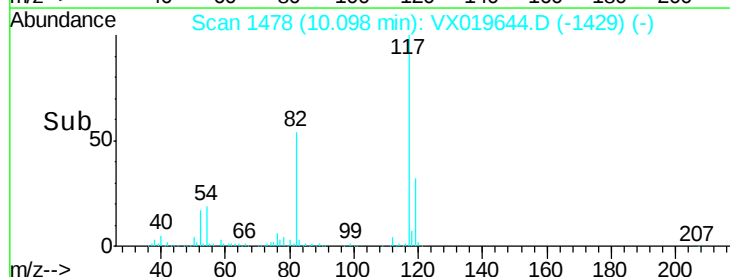
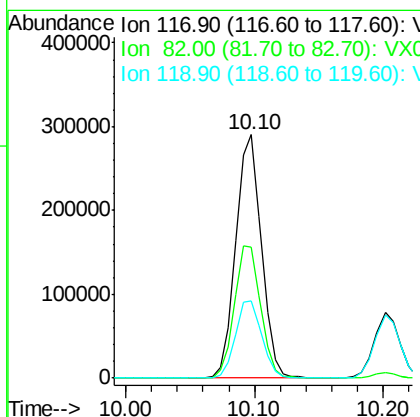
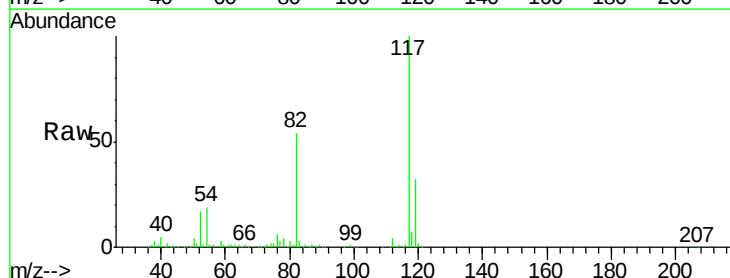
RT: 10.10 min Scan# 1478

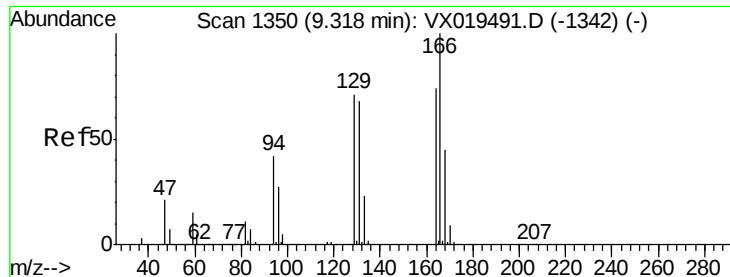
Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Tgt Ion:	117	Resp:	402908
Ion Ratio	Lower	Upper	
117	100		
82	53.9	43.0	64.4
119	31.9	25.6	38.4





#64

Tetrachloroethene

Concen: 42.425 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

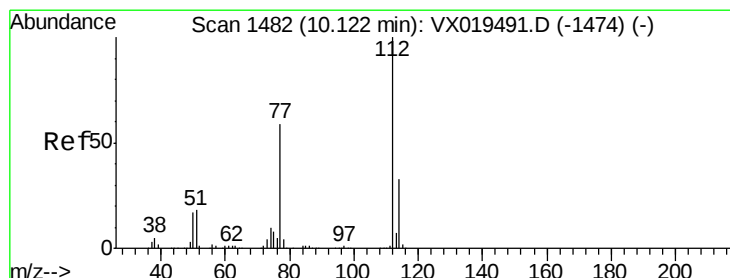
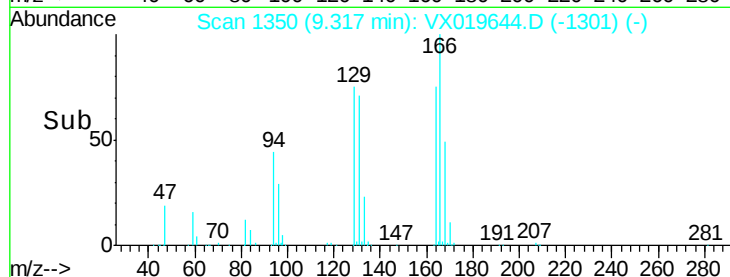
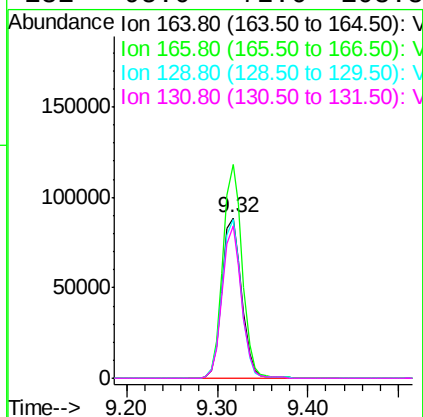
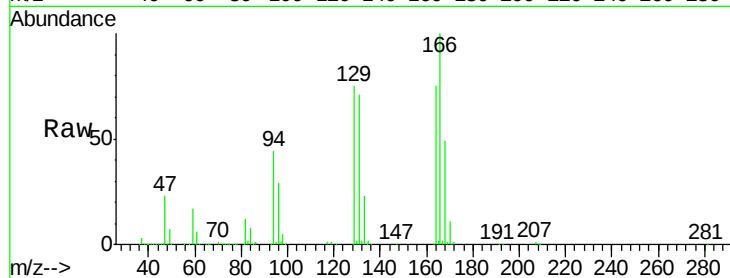
ClientSampleId :

GR-OF-20201119MSD

Tot Ion:	164	Resp:	134364
Ion	Ratio	Lower	Upper
164	100		
166	133.1	107.4	161.0
129	99.2	76.6	114.8
131	95.0	72.6	108.8

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#65

Chlorobenzene

Concen: 50.780 ug/l

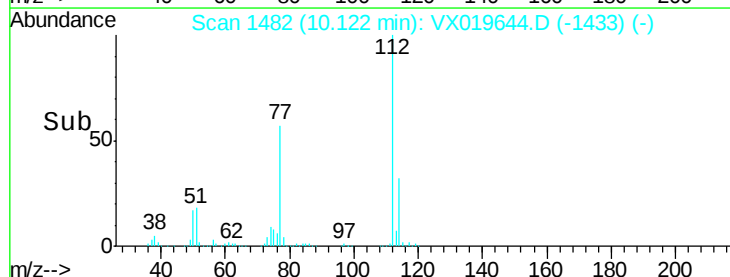
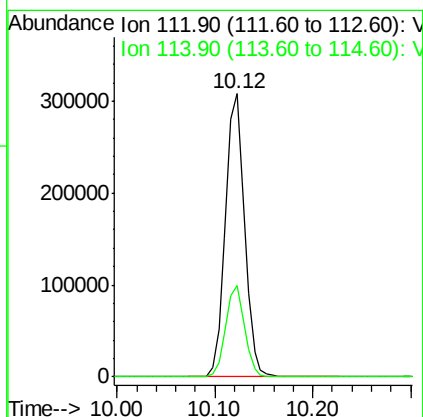
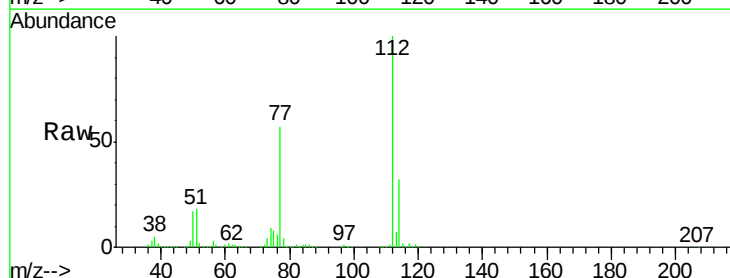
RT: 10.12 min Scan# 1482

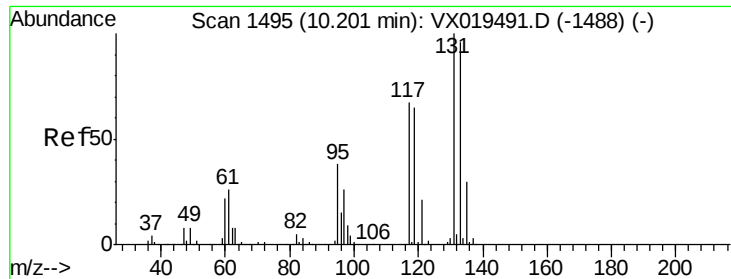
Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Tgt Ion:	112	Resp:	420653
Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.0	39.0





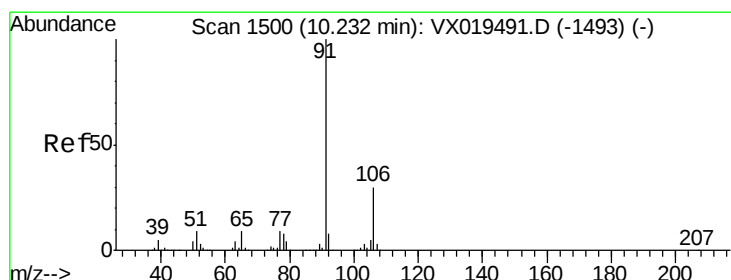
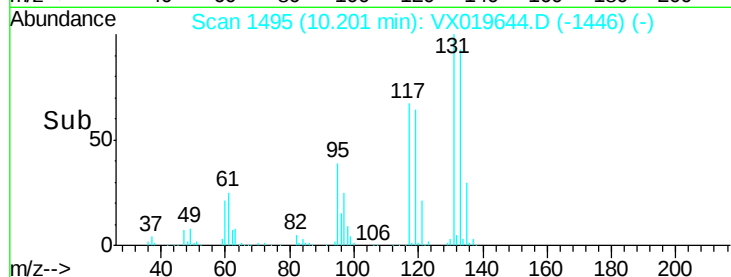
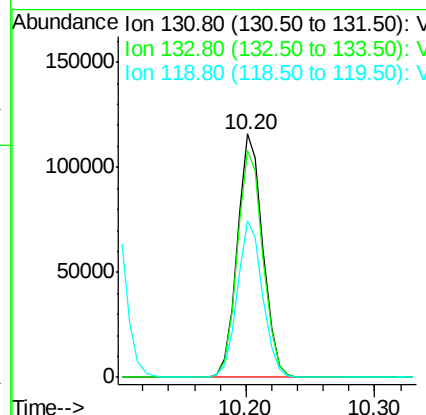
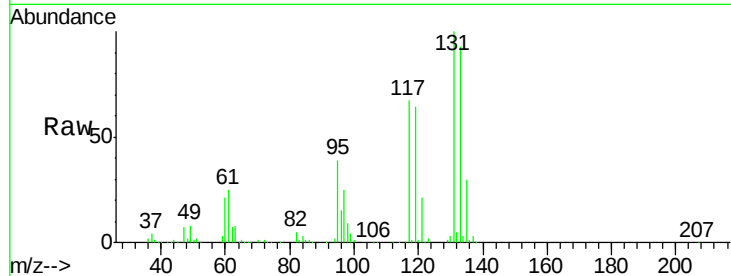
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.747 ug/l
 RT: 10.20 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VX019644.D
 Acq: 25 Nov 2020 07:01

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20201119MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	158935		
133	94.4	48.5	145.5	
119	64.2	33.0	99.0	

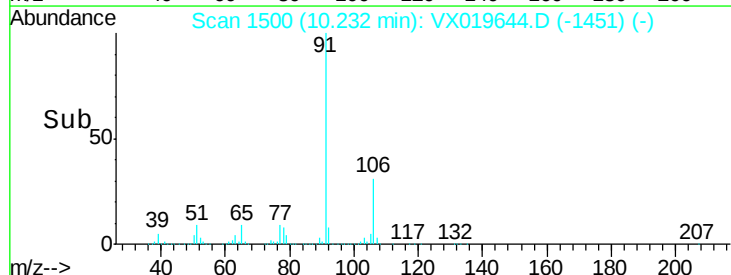
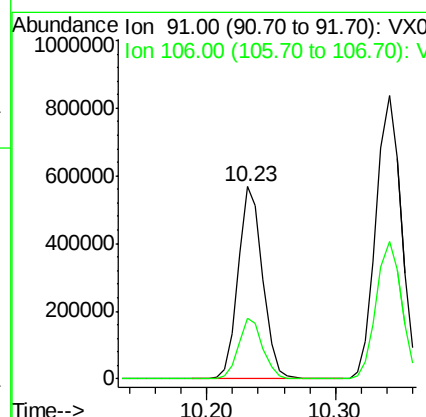
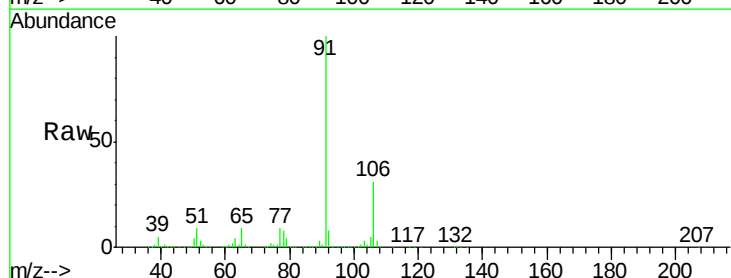
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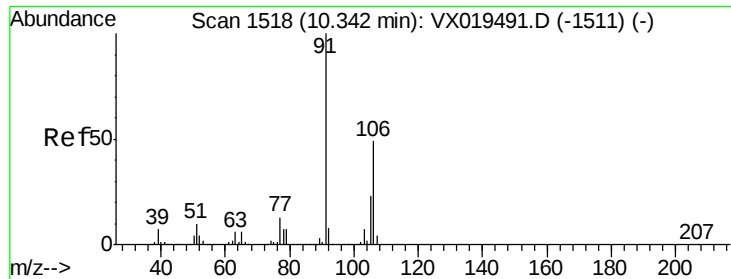
MMDadoda
 11/25/2020 9:55:04 AM



#67
 Ethyl Benzene
 Concen: 52.083 ug/l
 RT: 10.23 min Scan# 1500
 Delta R.T. -0.00 min
 Lab File: VX019644.D
 Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	755833		
106	31.3	24.0	36.0	





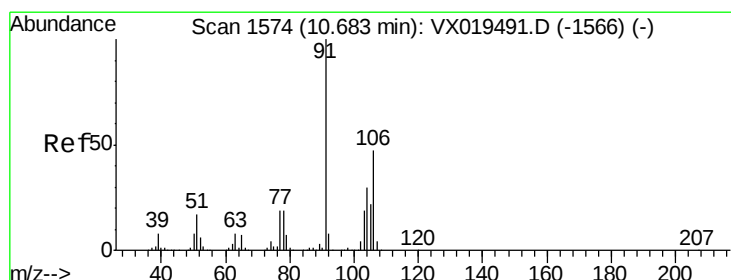
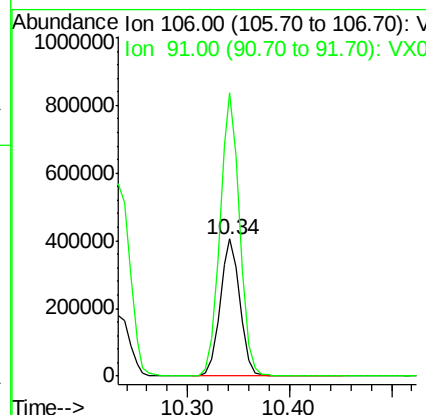
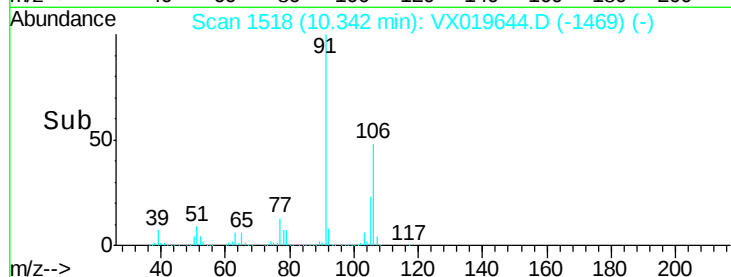
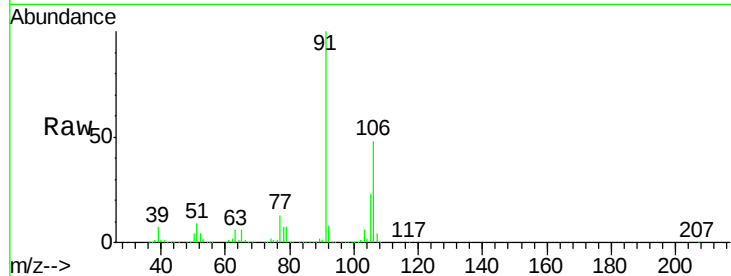
#68
m/p-Xylenes
Concen: 102.111 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	205.0	163.3	244.9		

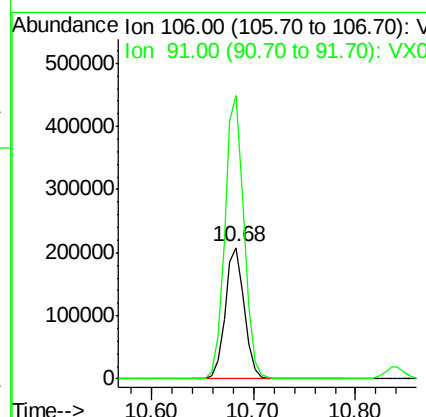
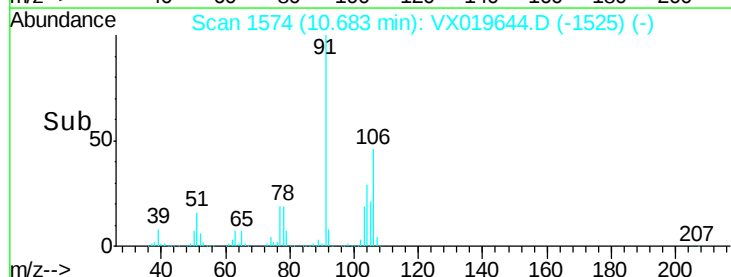
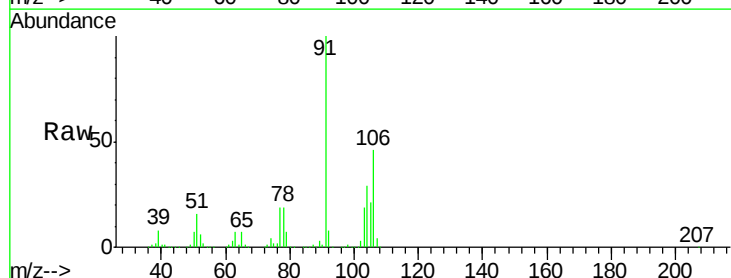
Manual Integrations
APPROVED

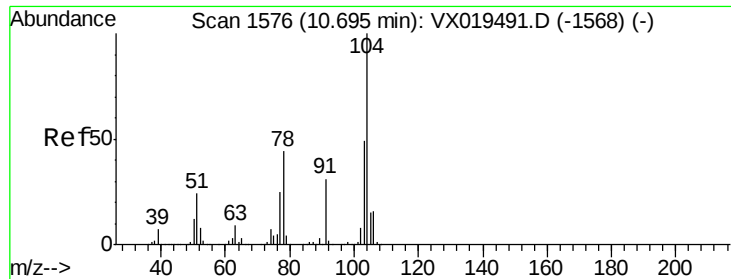
MMDadoda
11/25/2020 9:55:04 AM



#69
o-Xylene
Concen: 52.265 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	217.1	108.0	324.0		





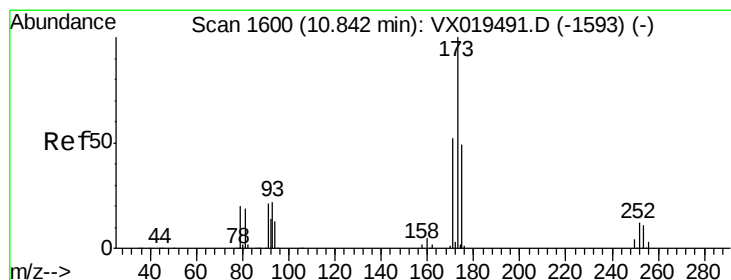
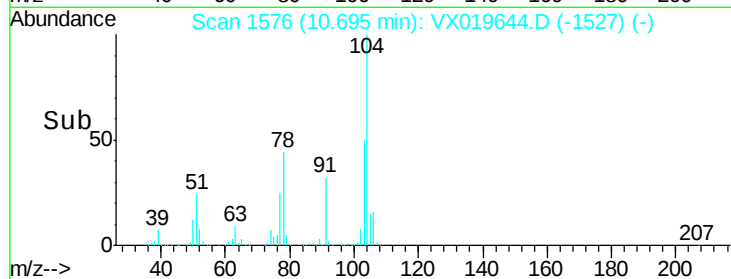
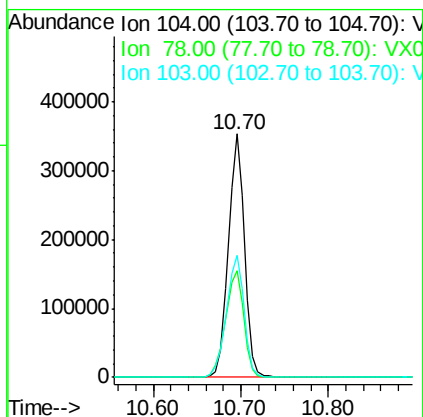
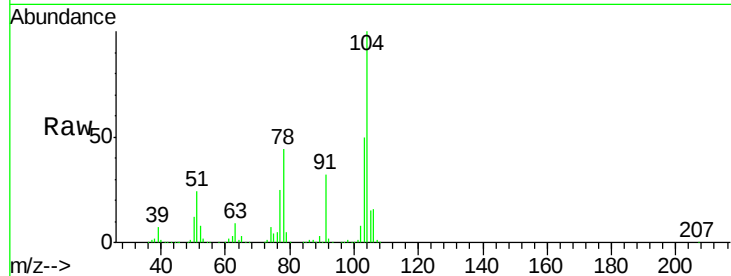
#70
Stvrene
Concen: 47.172 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	450375		
78	49.8		39.5	59.3
103	54.8		43.6	65.4

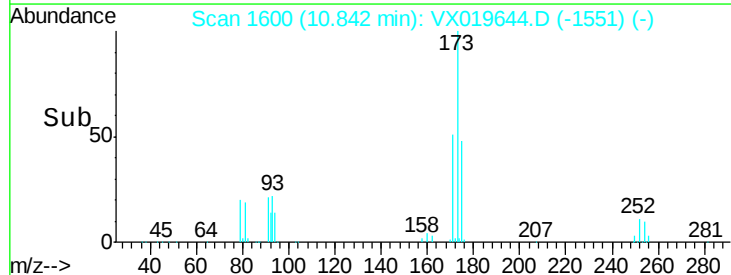
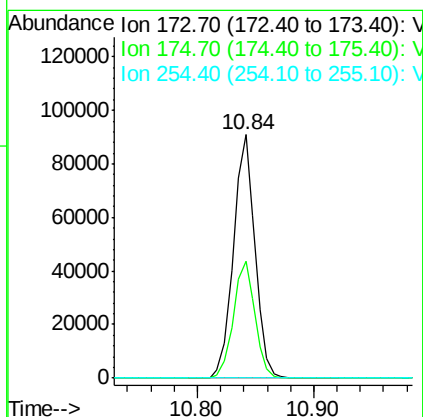
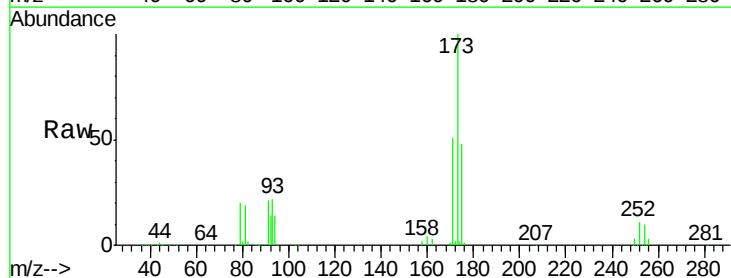
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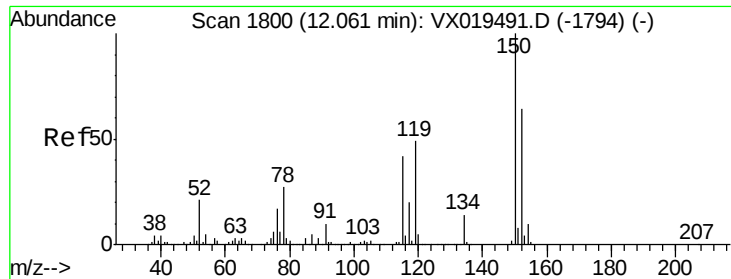
MMDadoda
11/25/2020 9:55:04 AM



#71
Bromoform
Concen: 46.059 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	116785		
175	48.0		24.9	74.8
254	0.1		0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

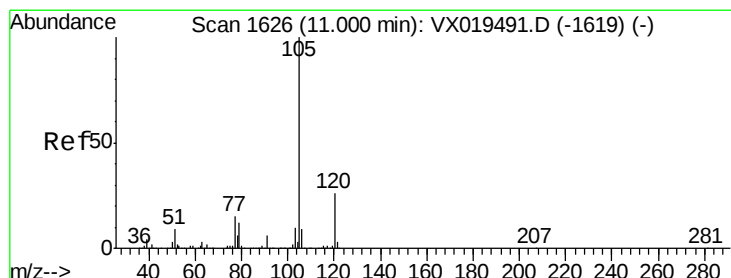
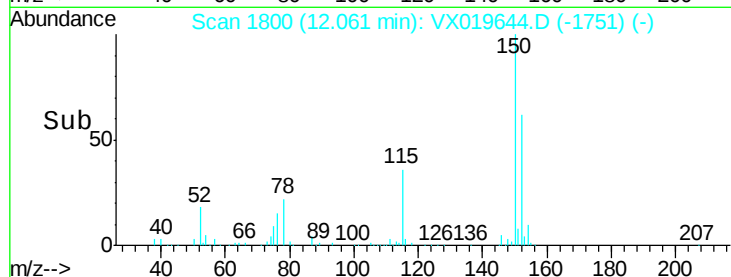
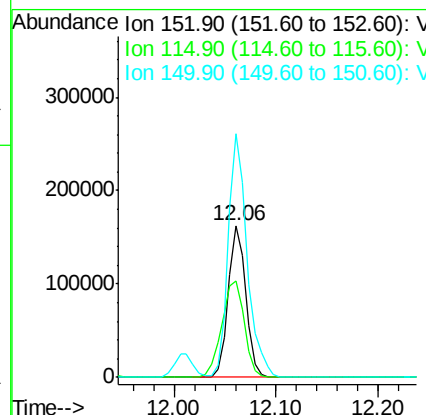
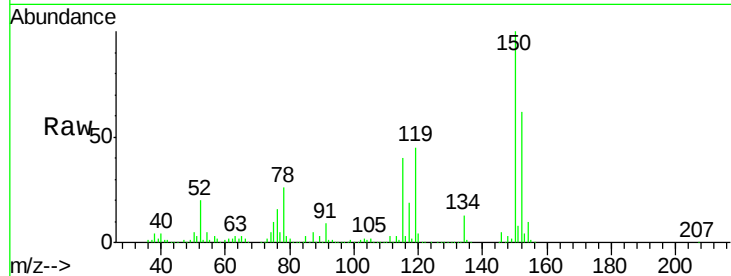
ClientSampleId :

GR-OF-20201119MSD

Tot Ion:	152	Resp:	193474
Ion Ratio	Lower	Upper	
152	100		
115	82.7	41.8	125.4
150	174.4	0.0	348.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 53.419 ug/l

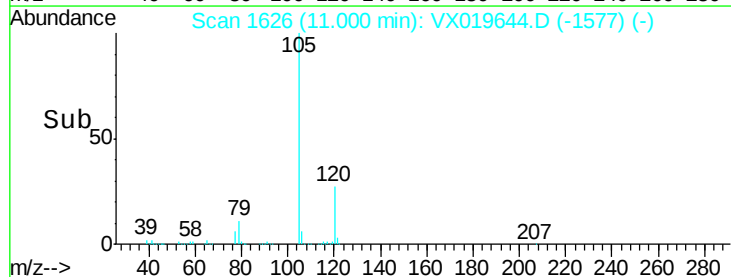
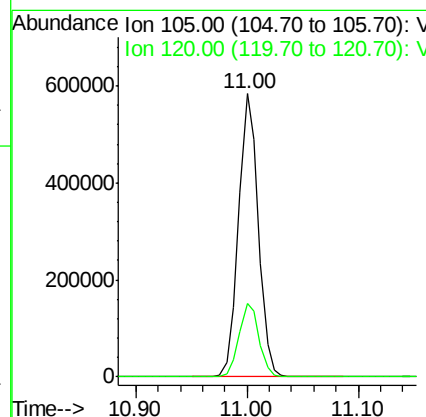
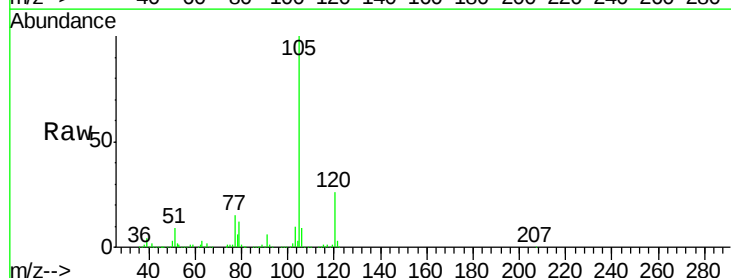
RT: 11.00 min Scan# 1626

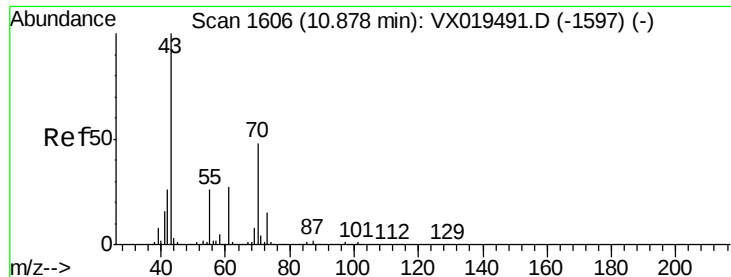
Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Tgt Ion:	105	Resp:	714973
Ion Ratio	Lower	Upper	
105	100		
120	26.3	13.0	39.0





#74

N-amvl acetate

Concen: 48.134 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

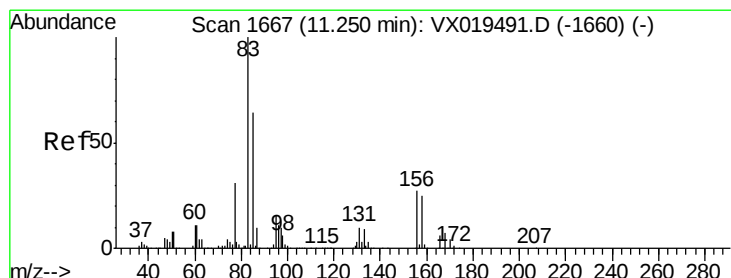
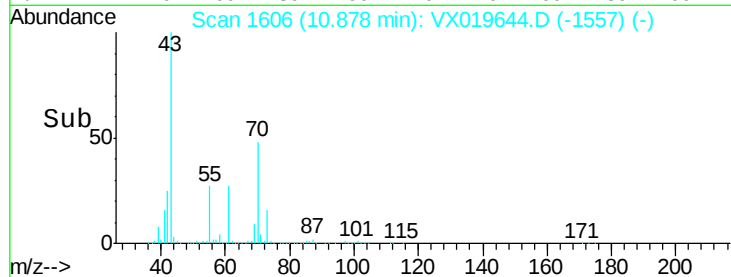
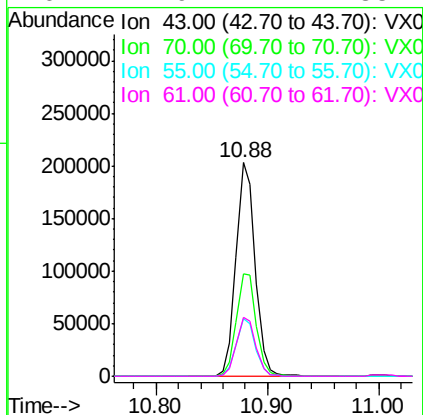
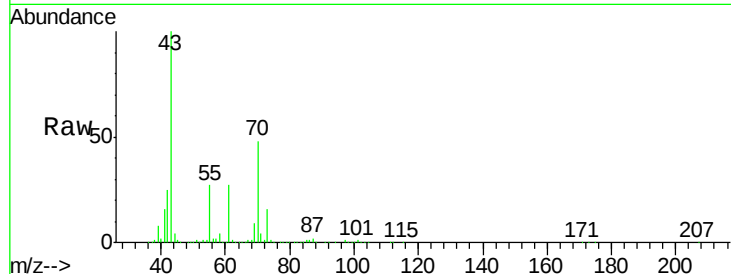
ClientSampleId :

GR-OF-20201119MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		241406		
70	49.9	39.7	59.5		
55	27.1	21.8	32.6		
61	27.9	22.2	33.4		

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11/25/2020 9:55:04 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 51.114 ug/l

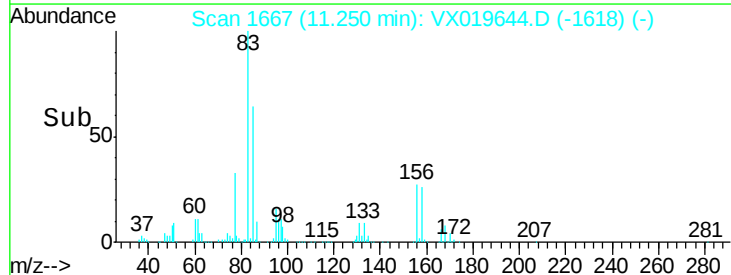
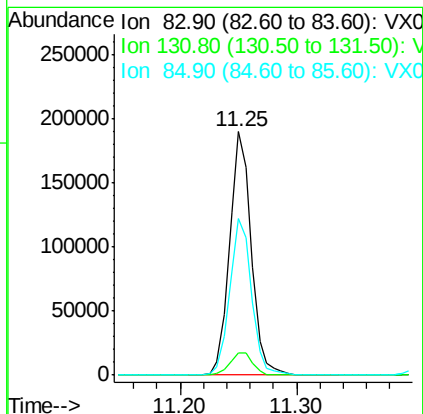
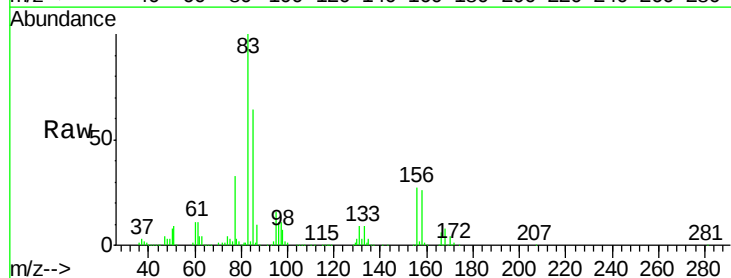
RT: 11.25 min Scan# 1667

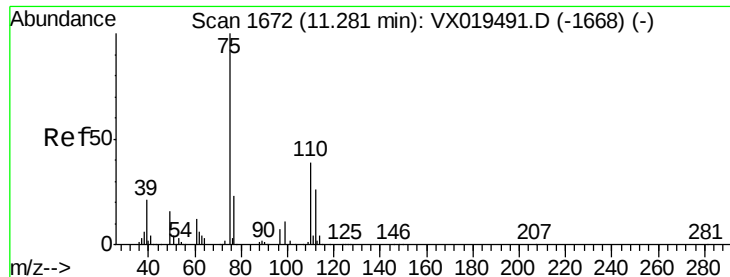
Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		244647		
131	9.9	5.0	15.0		
85	65.1	32.4	97.2		





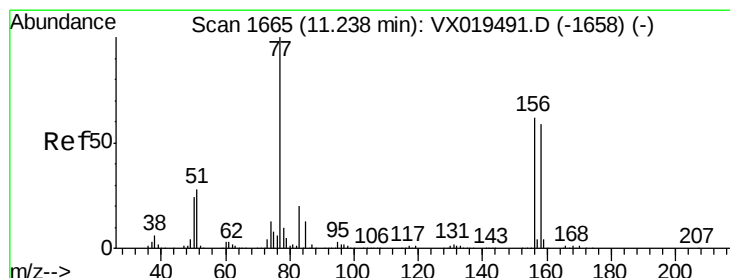
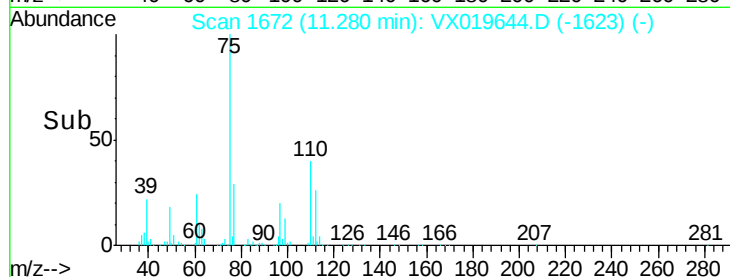
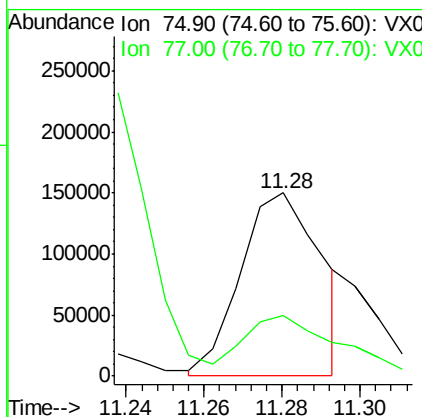
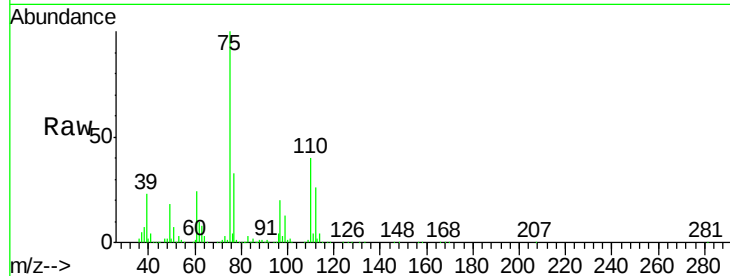
#76
1,2,3-Trichloropropane
Concen: 50.678 ug/l m
RT: 11.28 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion: 75 Resp: 213974
Ion Ratio Lower Upper
75 100
77 39.2 20.0 60.0

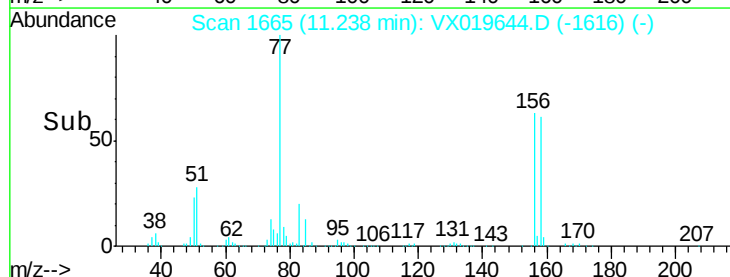
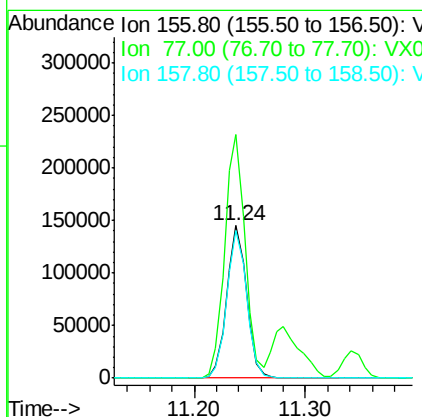
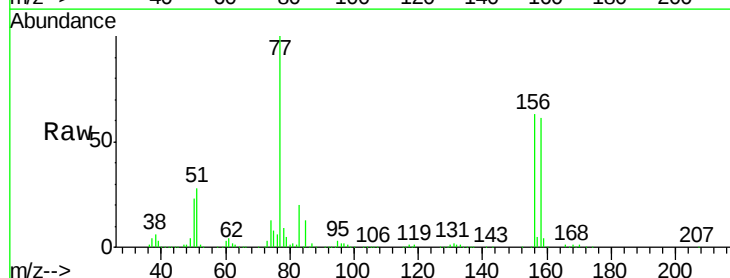
Manual Integrations
APPROVED

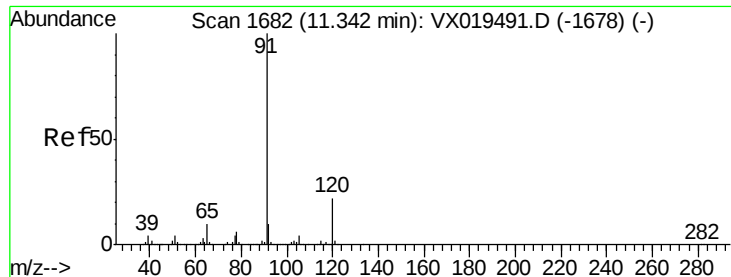
MMDadoda
11/25/2020 9:55:04 AM



#77
Bromobenzene
Concen: 52.032 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion: 156 Resp: 177781
Ion Ratio Lower Upper
156 100
77 165.2 82.5 247.3
158 97.7 48.9 146.7





#78

n-propylbenzene

Concen: 52.185 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119MSD

Tot Ion: 91 Resp: 801257

Ion Ratio Lower Upper

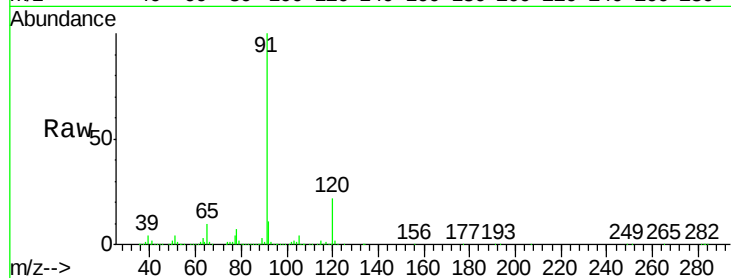
91 100

120 23.1 11.5 34.4

Manual Integrations
APPROVED

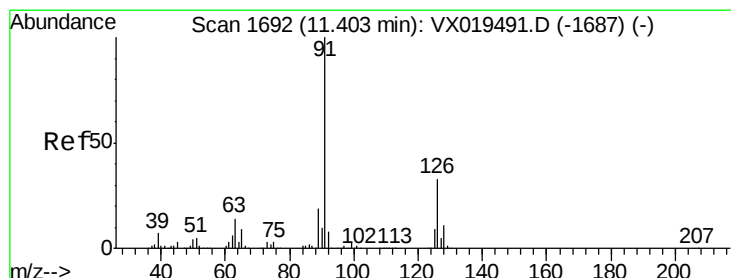
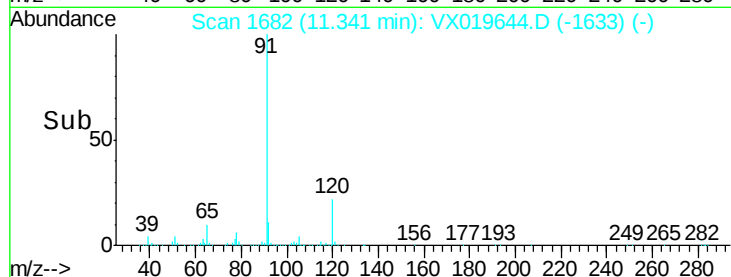
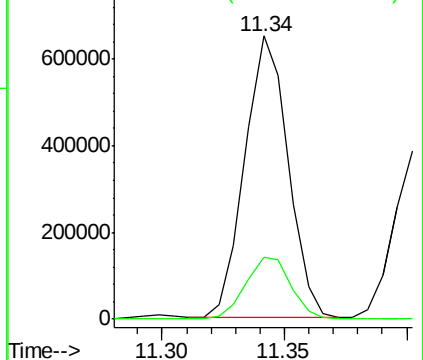
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 52.091 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019644.D

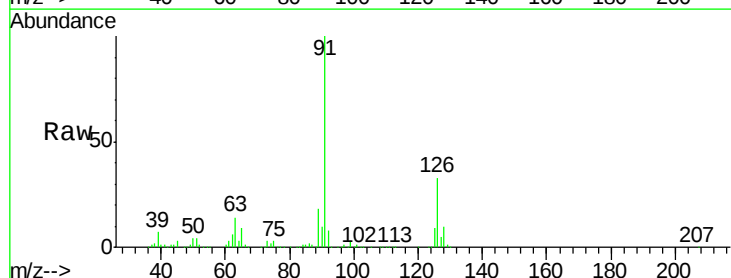
Acq: 25 Nov 2020 07:01

Tgt Ion: 91 Resp: 485058

Ion Ratio Lower Upper

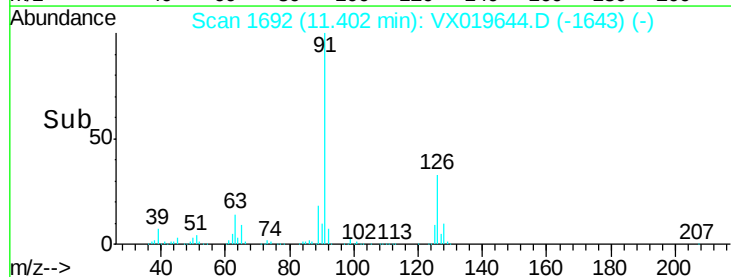
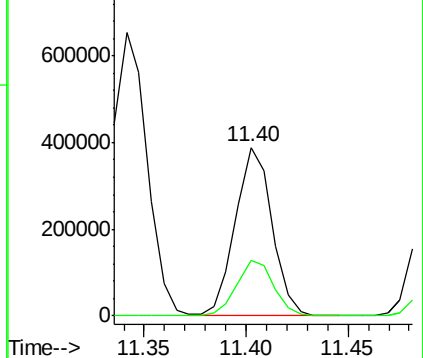
91 100

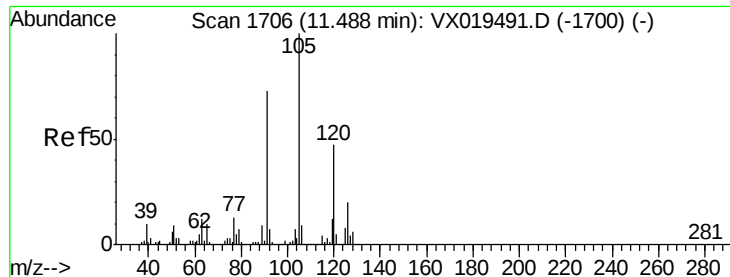
126 33.4 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





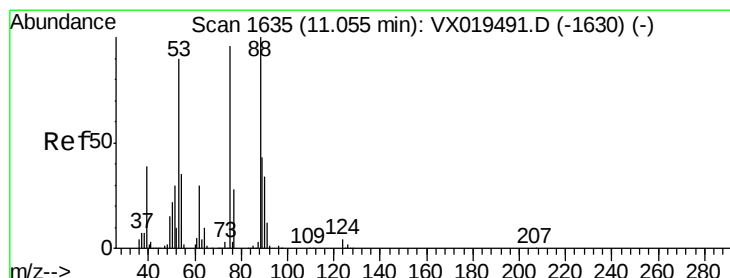
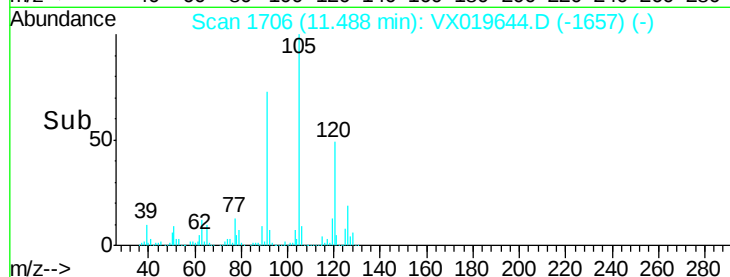
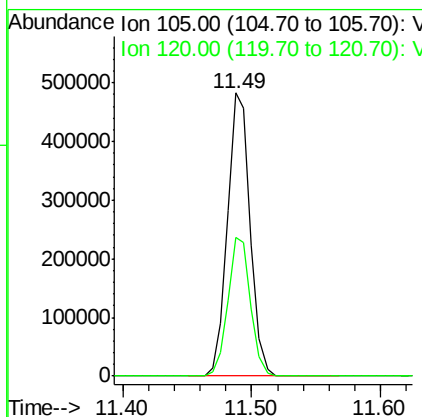
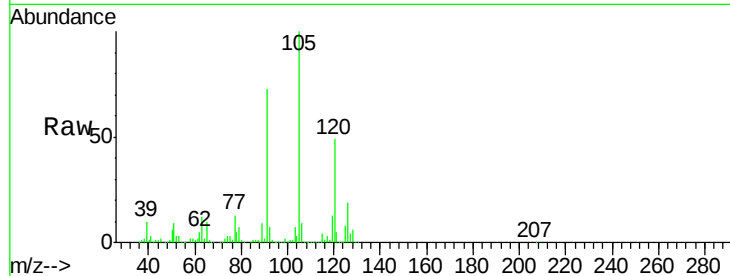
#80
 1,3,5-Trimethylbenzene
 Concen: 53.154 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX019644.D
 Acq: 25 Nov 2020 07:01

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.1	72.3

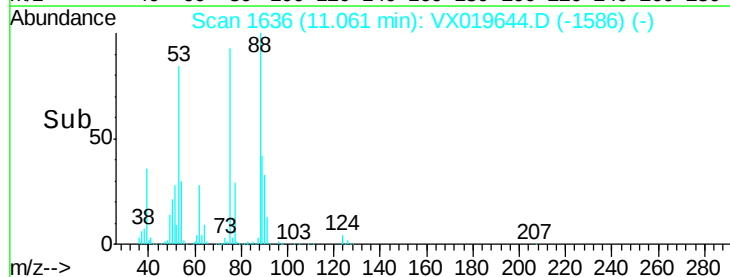
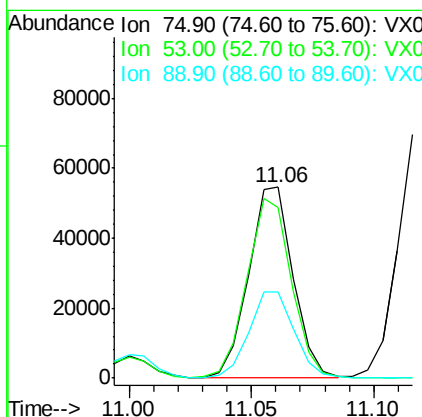
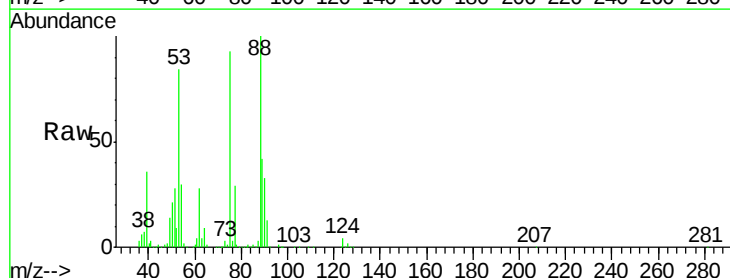
Manual Integrations
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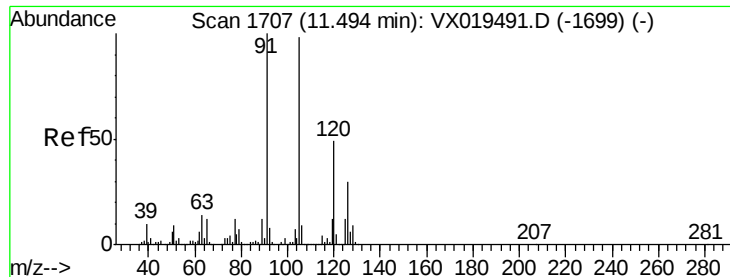
MMDadoda
 11/25/2020 9:55:04 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.337 ug/l
 RT: 11.06 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: VX019644.D
 Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	95.6	73.9	110.9
89	46.6	37.3	55.9





#82

4-Chlorotoluene

Concen: 51.677 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119MSD

Tot Ion: 91 Resp: 566470

Ion Ratio Lower Upper

91 100

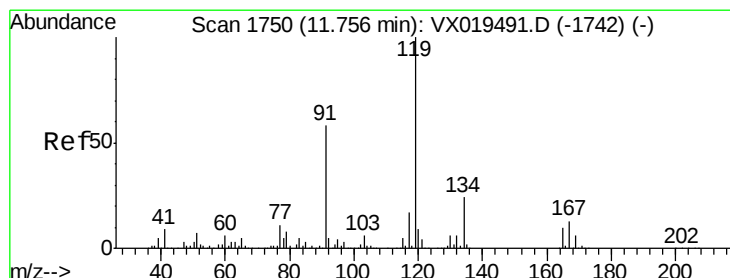
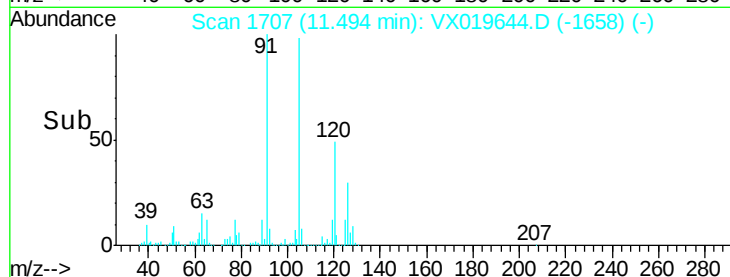
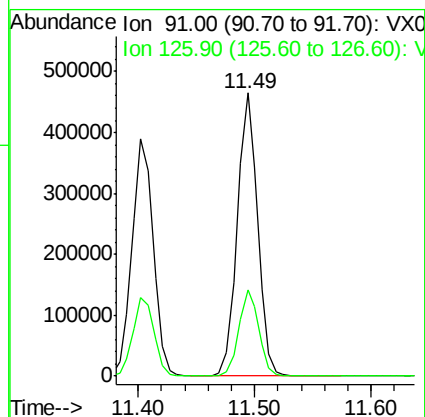
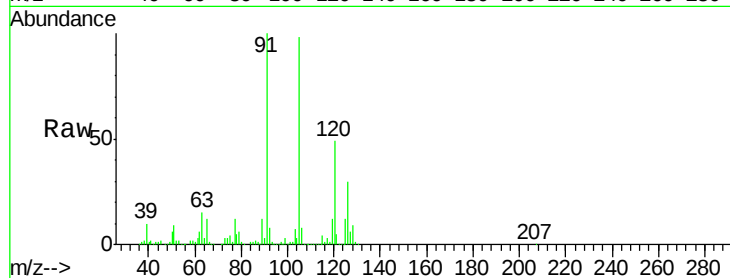
126 30.0 14.9 44.7

Manual Integrations

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#83

tert-Butylbenzene

Concen: 53.882 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

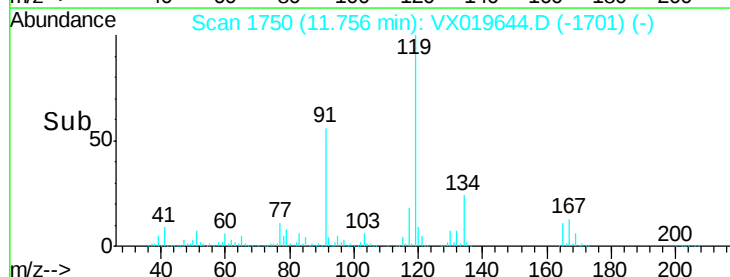
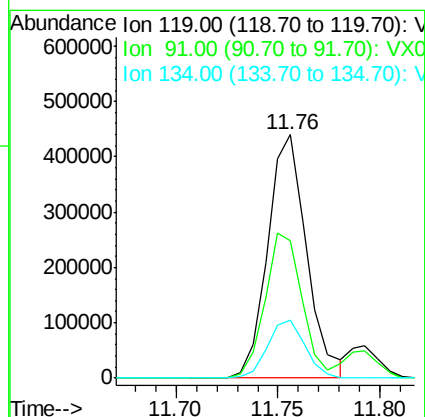
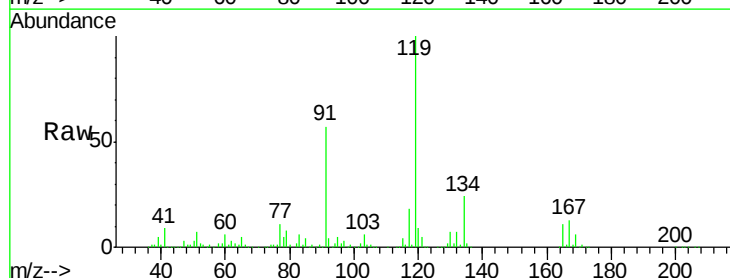
Tgt Ion: 119 Resp: 585280

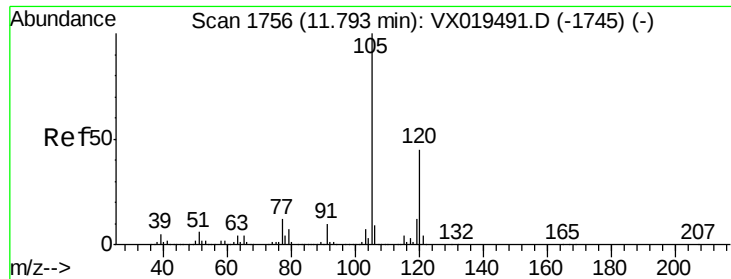
Ion Ratio Lower Upper

119 100

91 56.4 28.9 86.8

134 23.0 11.7 35.0





#84

1,2,4-Trimethylbenzene

Concen: 53.401 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

ClientSampleId :

GR-OF-20201119MSD

Tot Ion:105 Resp: 606652

Ion Ratio Lower Upper

105 100

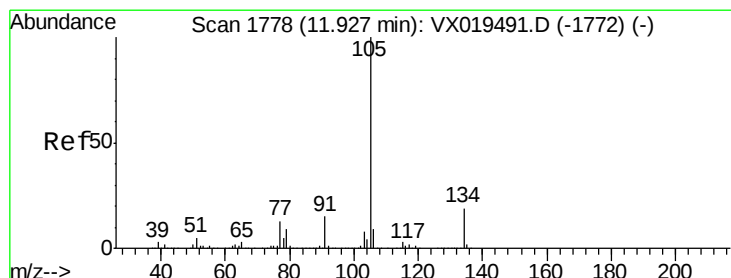
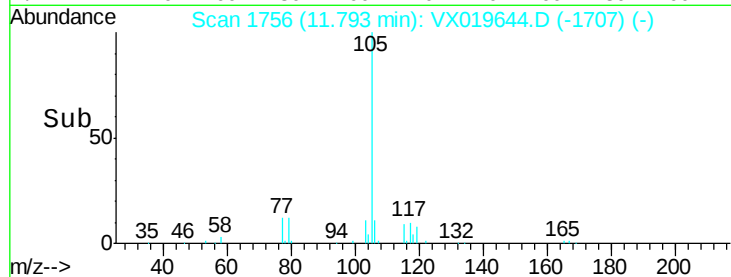
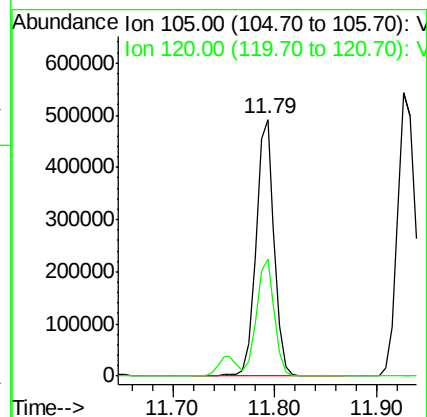
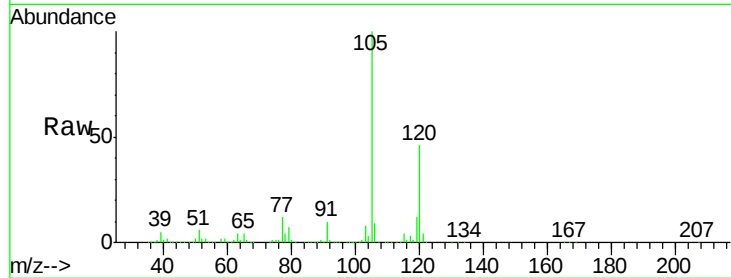
120 44.9 22.2 66.6

Manual Integrations

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#85

sec-Butylbenzene

Concen: 51.410 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX019644.D

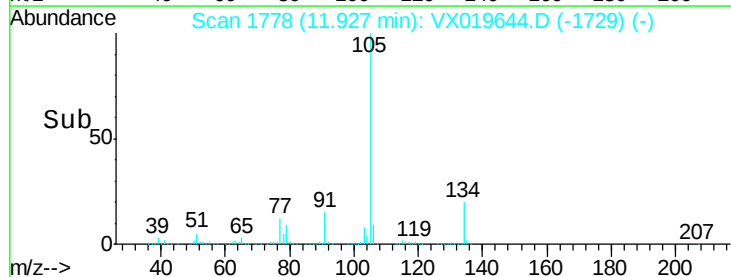
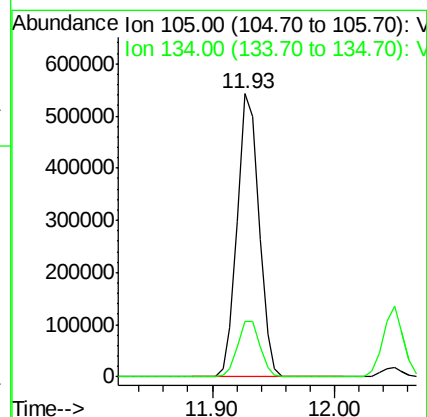
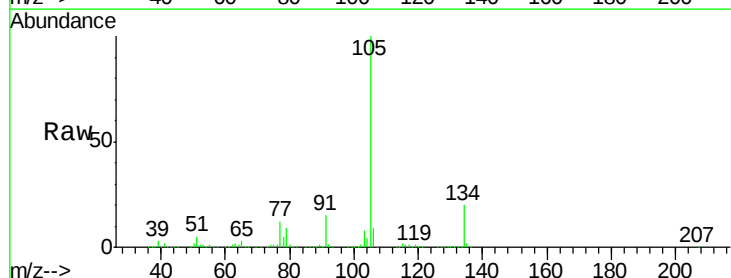
Acq: 25 Nov 2020 07:01

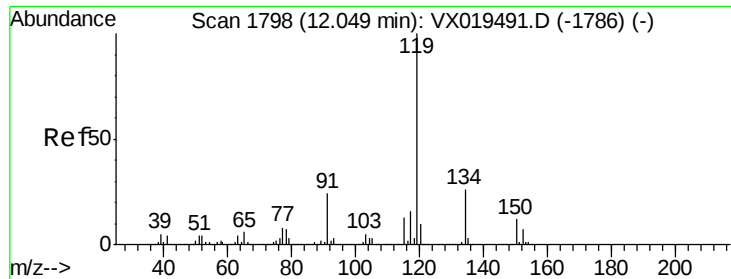
Tgt Ion:105 Resp: 664337

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.3





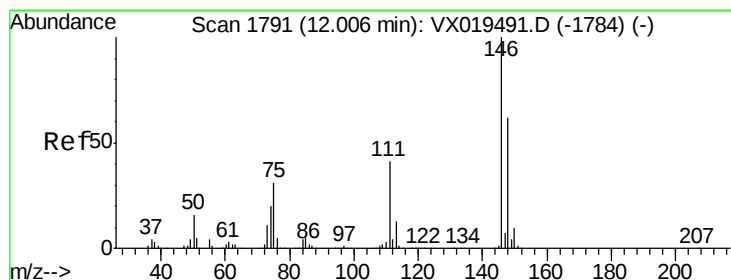
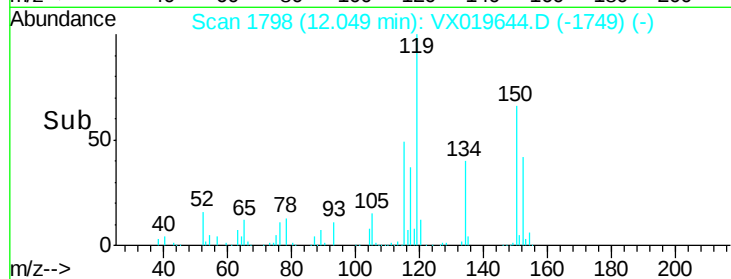
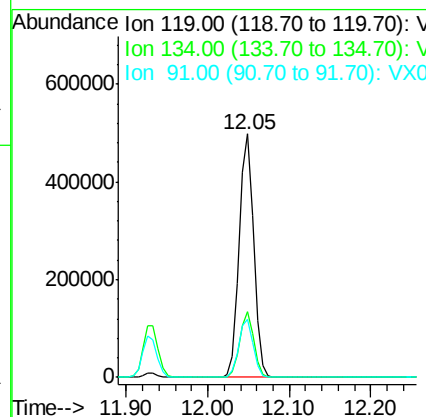
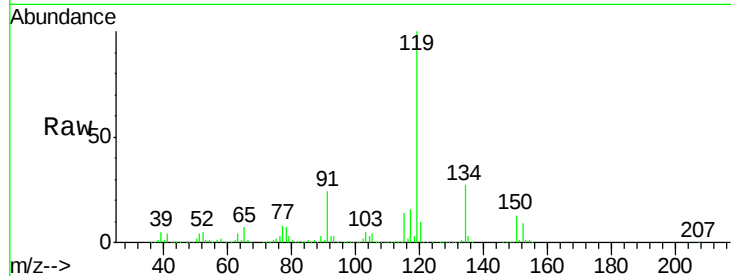
#86
p-Isopropyltoluene
Concen: 51.112 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	599673		
134	26.2		13.1	39.3
91	23.8		11.8	35.4

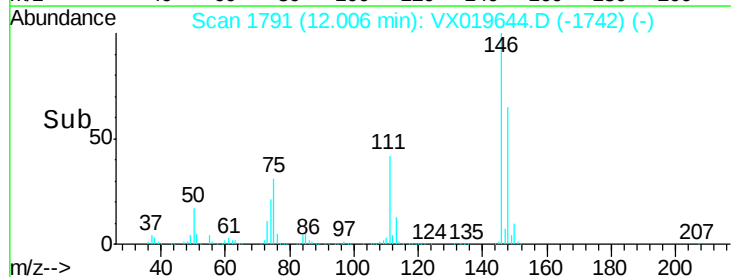
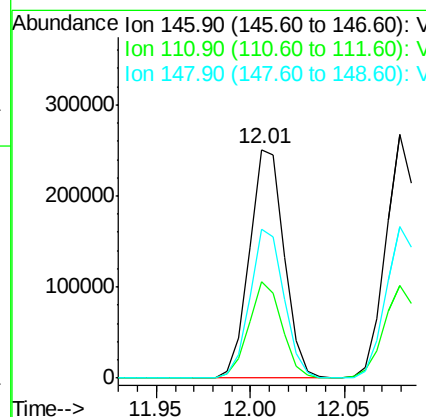
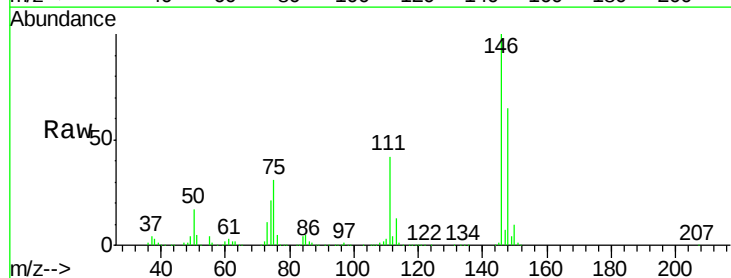
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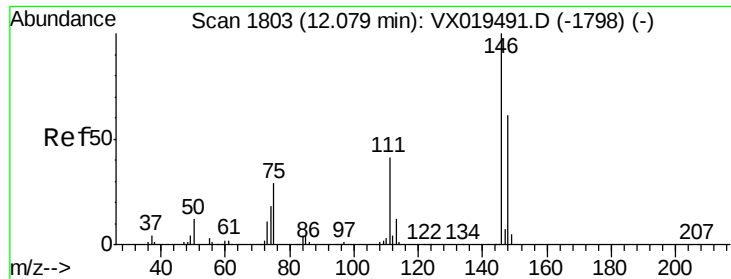
MMDadoda
11/25/2020 9:55:04 AM



#87
1,3-Dichlorobenzene
Concen: 51.016 ug/l
RT: 12.01 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	320118		
111	40.2		20.2	60.6
148	63.6		31.4	94.2





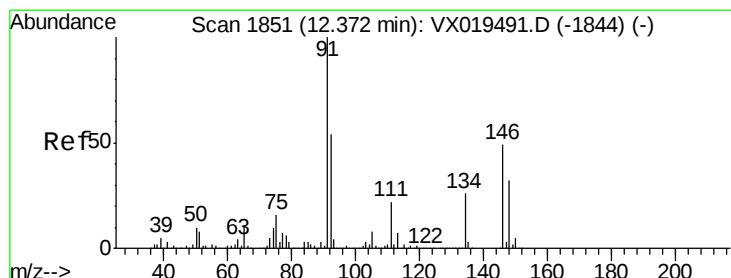
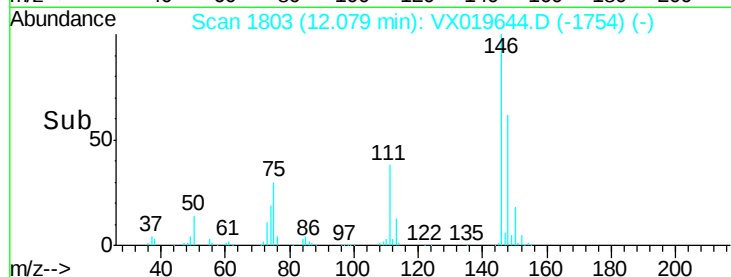
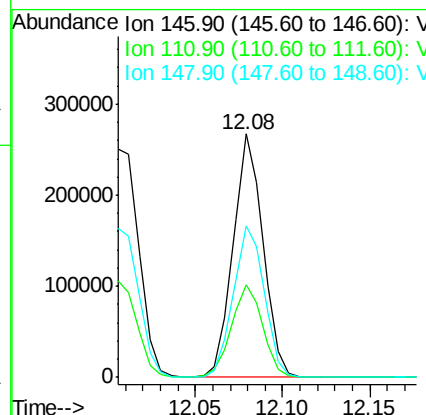
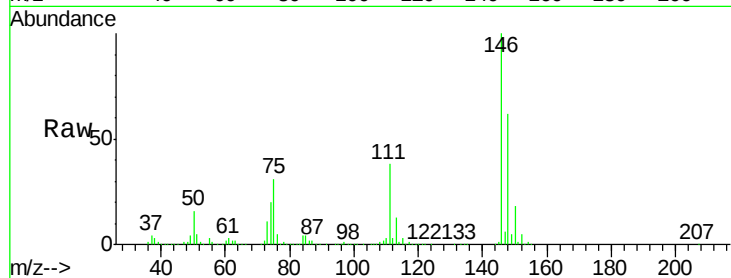
#88
1,4-Dichlorobenzene
Concen: 49.148 ug/l
RT: 12.08 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Instrument :
MSVOA_X
ClientSampleId :
GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.6
148	64.5	31.7	95.1

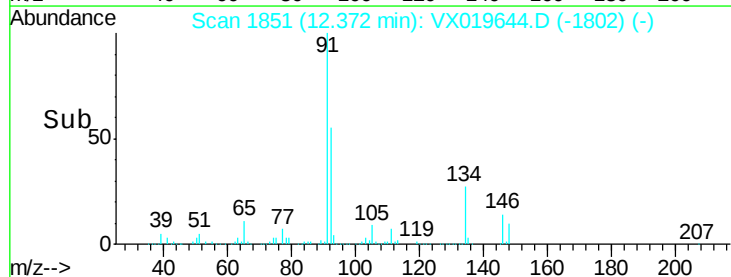
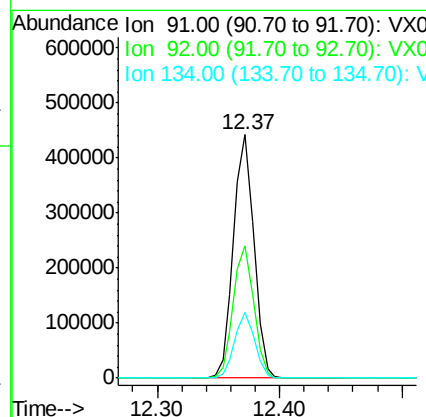
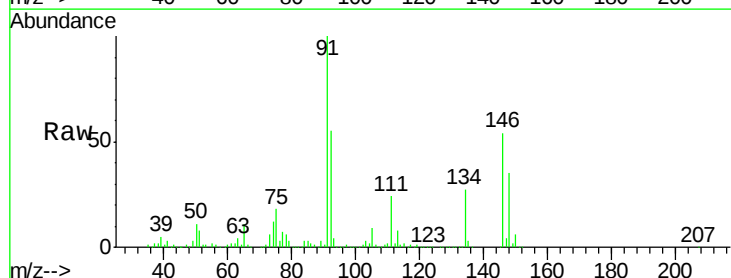
Manual Integrations
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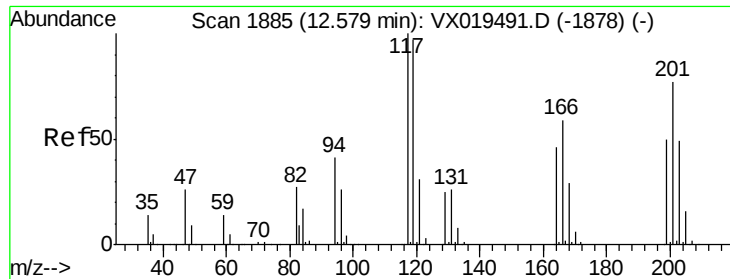
MMDadoda
11/25/2020 9:55:04 AM



#89
n-Butylbenzene
Concen: 48.092 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019644.D
Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.9	80.6
134	26.4	12.9	38.6





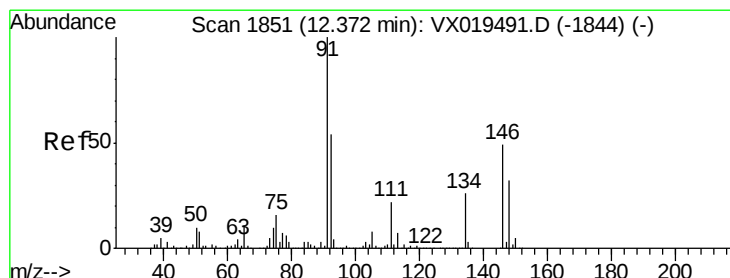
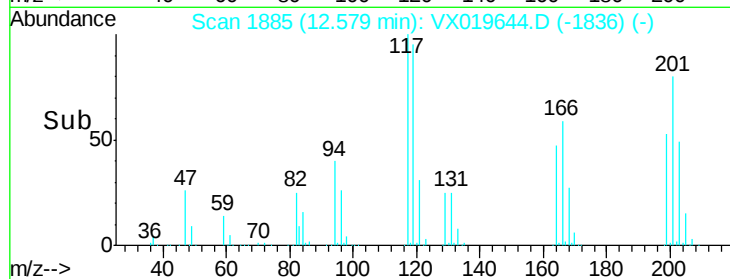
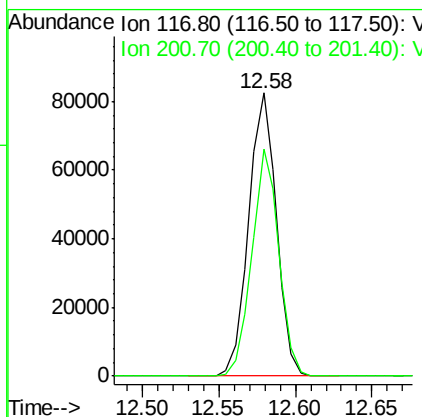
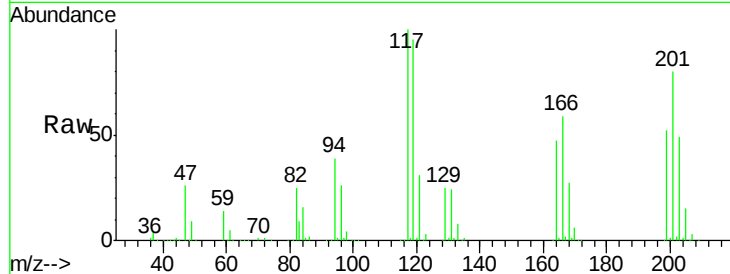
#90
 Hexachloroethane
 Concen: 52.850 ug/l
 RT: 12.58 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VX019644.D
 Acq: 25 Nov 2020 07:01

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20201119MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	103758		
201	78.0	39.4	118.2	

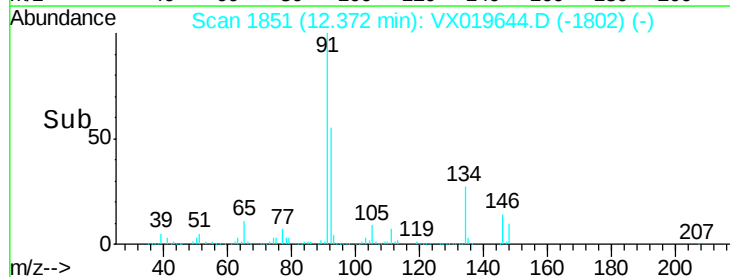
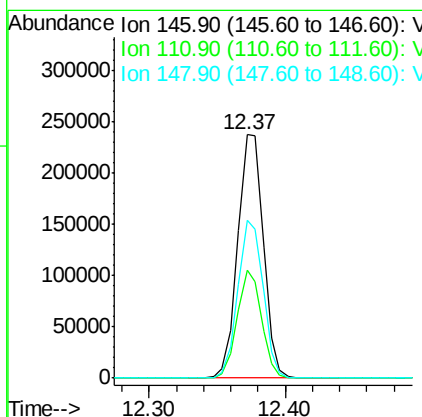
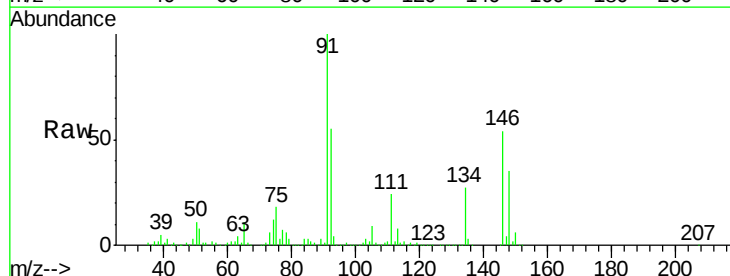
Manual Integrations
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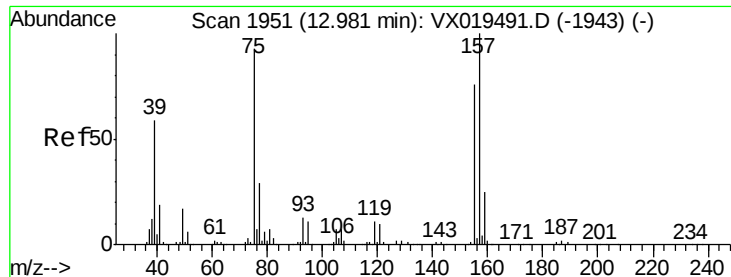
MMDadoda
 11/25/2020 9:55:04 AM



#91
 1,2-Dichlorobenzene
 Concen: 49.398 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019644.D
 Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	311320		
111	42.1	21.1	63.3	
148	64.1	32.4	97.0	





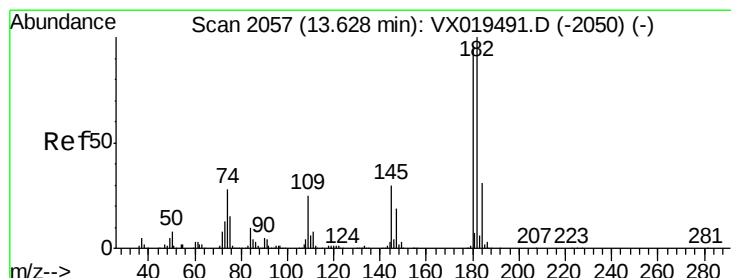
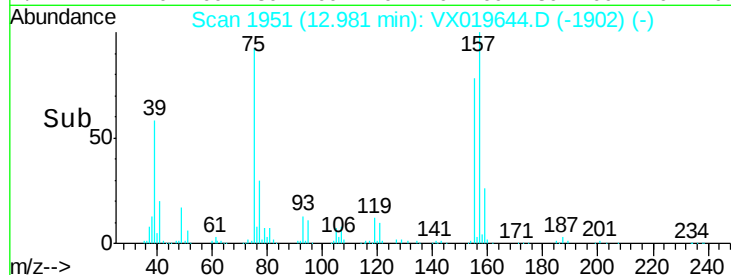
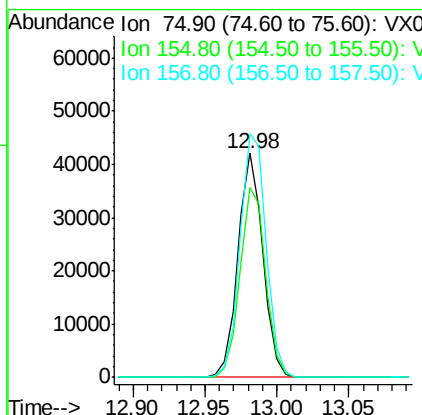
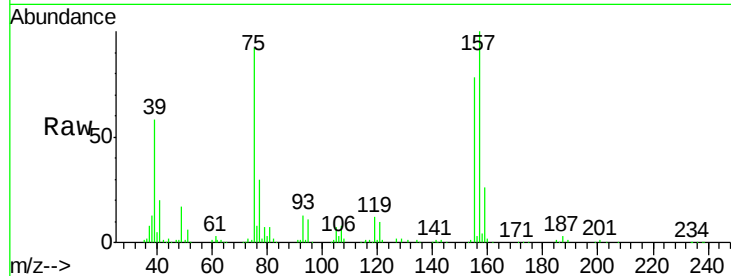
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.792 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019644.D
 Acq: 25 Nov 2020 07:01

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20201119MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	86.7	43.6	130.9
157	113.4	57.0	170.8

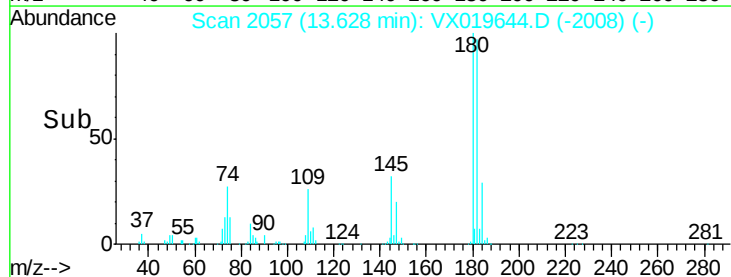
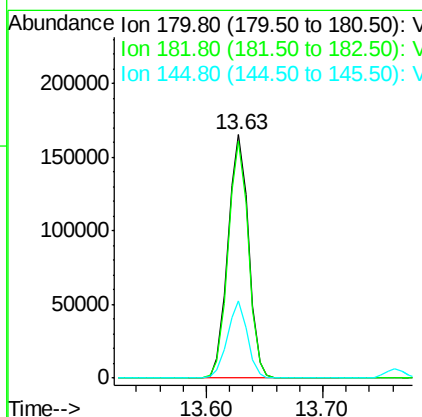
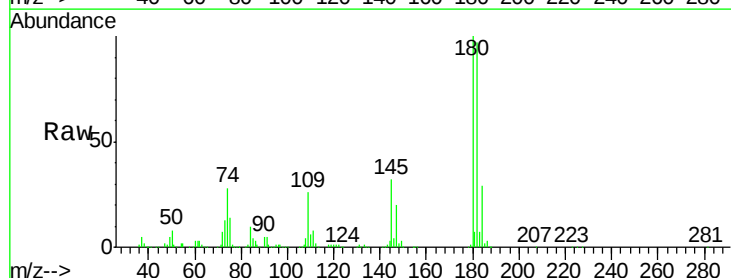
Manual Integrations
 APPROVED

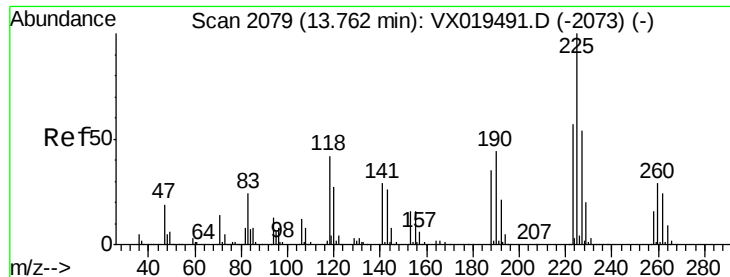
MMDadoda
 11/25/2020 9:55:04 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 50.066 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019644.D
 Acq: 25 Nov 2020 07:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.6	145.9
145	30.5	15.9	47.7





#94

Hexachlorobutadiene

Concen: 43.045 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Instrument :

MSVOA_X

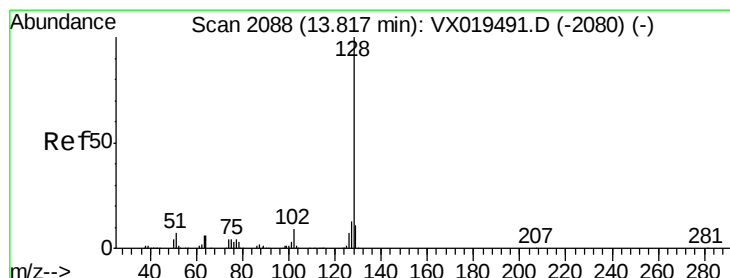
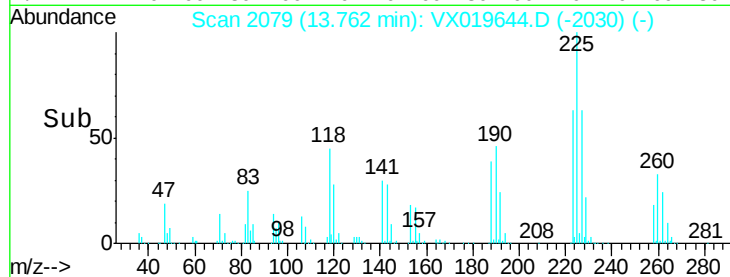
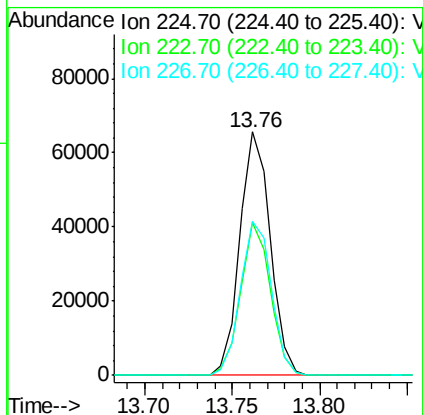
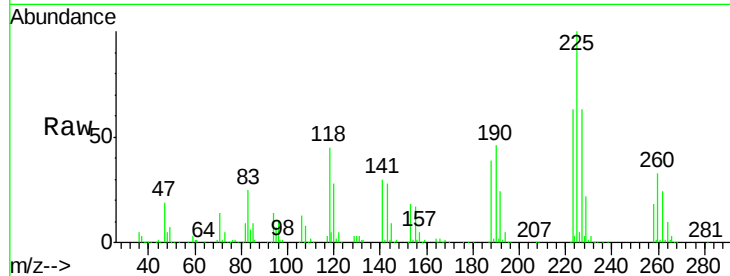
ClientSampleId :

GR-OF-20201119MSD

Tot Ion:	225	Resp:	79340
Ion Ratio	Lower	Upper	
225	100		
223	61.6	32.5	97.5
227	64.5	32.8	98.3

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#95

Naphthalene

Concen: 48.518 ug/l

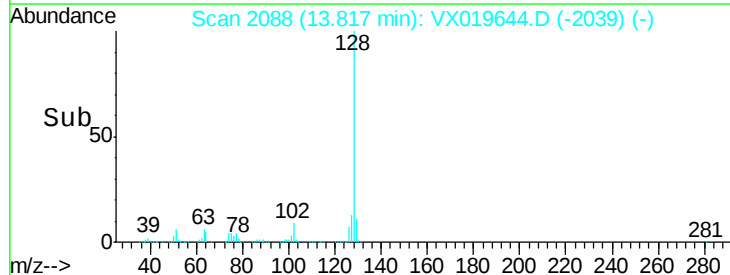
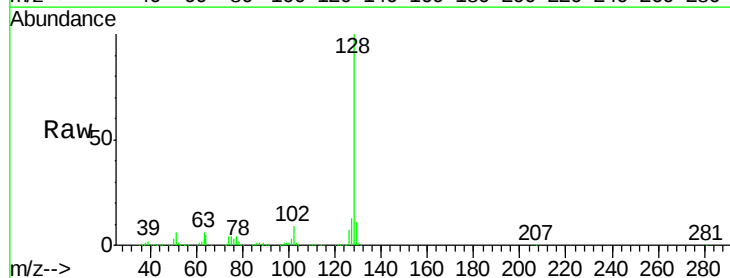
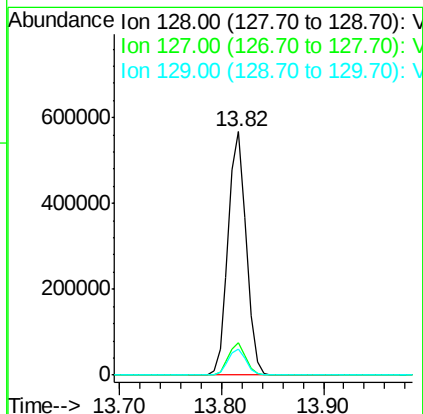
RT: 13.82 min Scan# 2088

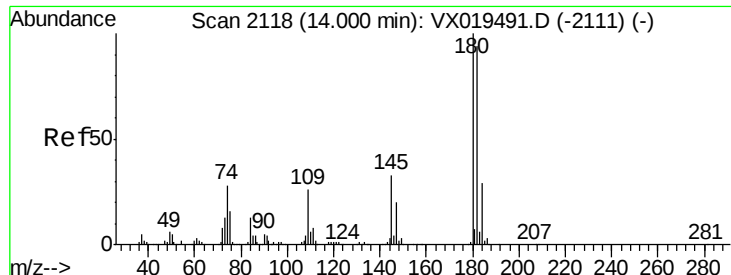
Delta R.T. 0.00 min

Lab File: VX019644.D

Acq: 25 Nov 2020 07:01

Tgt Ion:	128	Resp:	691427
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 50.569 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX019644.D
 Acq: 25 Nov 2020 07:01

Instrument :
 MSVOA_X
 ClientSampleId :
 GR-OF-20201119MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.1	48.1	144.3
145	32.6	16.6	49.8

Manual Integrations
 APPROVED

MMDadoda
 11/25/2020 9:55:04 AM

