

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111920\
 Data File : VX019455.D
 Acq On : 18 Nov 2020 15:02
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 11:58:13 AM

Quant Time: Nov 18 16:44:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X111920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 16:25:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	238922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	407821	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	375912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	187358	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	366430	97.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.30%	
35) Dibromofluoromethane	5.46	113	273279	104.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.12%	
50) Toluene-d8	8.70	98	1068640	104.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.10%	
62) 4-Bromofluorobenzene	11.12	95	395253	106.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	291675	113.457	ug/l	99
3) Chloromethane	1.31	50	334955	99.694	ug/l	100
4) Vinyl Chloride	1.39	62	349359	107.867	ug/l	99
5) Bromomethane	1.62	94	156541	97.808	ug/l	98
6) Chloroethane	1.68	64	111458	79.358	ug/l	99
7) Trichlorofluoromethane	1.89	101	482948	106.295	ug/l	98
8) Diethyl Ether	2.17	74	193535	107.231	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	258821	102.862	ug/l	99
10) Methyl Iodide	2.48	142	345906	114.899	ug/l	99
11) Tert butyl alcohol	3.06	59	362807	521.261	ug/l	100
12) 1,1-Dichloroethene	2.34	96	259533	102.518	ug/l	99
13) Acrolein	2.28	56	256070	519.185	ug/l	100
14) Allyl chloride	2.70	41	482588	111.223	ug/l	99
15) Acrylonitrile	3.12	53	872519	559.425	ug/l	99
16) Acetone	2.43	43	738324	508.762	ug/l	100
17) Carbon Disulfide	2.54	76	768043	116.606	ug/l	99
18) Methyl Acetate	2.75	43	363804	102.599	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	1008039	113.051	ug/l	100
20) Methylene Chloride	2.83	84	320233	96.062	ug/l	100
21) trans-1,2-Dichloroethene	3.14	96	304047	110.685	ug/l	97
22) Diisopropyl ether	3.83	45	989695	111.746	ug/l	93
23) Vinyl Acetate	3.78	43	4386180	596.356	ug/l	100
24) 1,1-Dichloroethane	3.67	63	565700	107.352	ug/l	99
25) 2-Butanone	4.64	43	1170044	554.006	ug/l	99
26) 2,2-Dichloropropane	4.54	77	497927	112.619	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	348500	112.311	ug/l	99
28) Bromochloromethane	4.98	49	258430	101.014	ug/l	100
29) Tetrahydrofuran	5.09	42	750693	553.995	ug/l	99
30) Chloroform	5.17	83	577110	107.133	ug/l	100
31) Cyclohexane	5.54	56	498925	110.967	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	518155	112.285	ug/l	99
36) 1,1-Dichloropropene	5.76	75	438093	111.529	ug/l	100
37) Ethyl Acetate	4.80	43	456405	112.116	ug/l	99
38) Carbon Tetrachloride	5.75	117	440472	114.707	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	519027	120.949	ug/l	99
40) Benzene	6.11	78	1297908	109.809	ug/l	99
41) Methacrylonitrile	5.01	41	245786	109.188	ug/l	98
42) 1,2-Dichloroethane	6.16	62	486596	107.336	ug/l	100
43) Isopropyl Acetate	6.42	43	757618	112.463	ug/l	99
44) Trichloroethene	7.18	130	325873	109.371	ug/l	99
45) 1,2-Dichloropropane	7.49	63	334002	108.248	ug/l	99
46) Dibromomethane	7.63	93	224802	112.325	ug/l	99
47) Bromodichloromethane	7.87	83	463496	120.225	ug/l	96
48) Methyl methacrylate	7.75	41	379230	118.746	ug/l	99
49) 1,4-Dioxane	7.72	88	147565	2301.862	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	2259340	561.584	ug/l	99
52) Toluene	8.76	92	815521	114.735	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	520399	127.538	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	558408	123.218	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	316941	107.825	ug/l	99
56) Ethyl methacrylate	9.16	69	508290	128.519	ug/l	99
57) 1,3-Dichloropropane	9.35	76	553221	108.342	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	1378056	590.699	ug/l	100
59) 2-Hexanone	9.48	43	1742302	577.170	ug/l	100
60) Dibromochloromethane	9.57	129	339697	127.929	ug/l	100
61) 1,2-Dibromoethane	9.65	107	335646	111.306	ug/l	98
64) Tetrachloroethene	9.32	164	295785	100.277	ug/l	98
65) Chlorobenzene	10.12	112	824450	110.453	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	307744	120.627	ug/l	98
67) Ethyl Benzene	10.23	91	1537404	116.181	ug/l	97
68) m/p-Xylenes	10.34	106	1139307	238.002	ug/l	99
69) o-Xylene	10.68	106	544295	120.111	ug/l	99
70) Styrene	10.70	104	940503	125.439	ug/l	100
71) Bromoform	10.84	173	229075	134.070	ug/l	97
73) Isopropylbenzene	11.00	105	1476065	113.073	ug/l	100
74) N-amyl acetate	10.88	43	661731	125.881	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	505270	111.644	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	467482m	90.875	ug/l	
77) Bromobenzene	11.24	156	345227	111.976	ug/l	97
78) n-propylbenzene	11.34	91	1732332	116.131	ug/l	100
79) 2-Chlorotoluene	11.40	91	1038135	113.371	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	1285378	116.964	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	176291	130.661	ug/l	96
82) 4-Chlorotoluene	11.49	91	1247486	114.671	ug/l	99
83) tert-Butylbenzene	11.76	119	1198678	120.419	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	1298434	119.135	ug/l	99
85) sec-Butylbenzene	11.93	105	1467156	119.766	ug/l	100
86) p-Isopropyltoluene	12.05	119	1353964	124.206	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	644826	109.739	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	659292	108.765	ug/l	99
89) n-Butylbenzene	12.37	91	1271173	124.471	ug/l	98
90) Hexachloroethane	12.58	117	236395	134.641	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	634545	109.356	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	121476	123.229	ug/l	97

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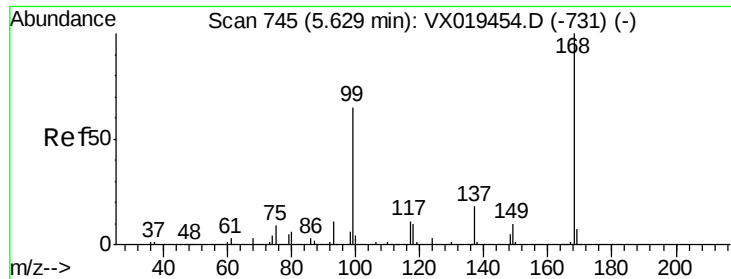
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	436114	128.066	ug/l	98
94) Hexachlorobutadiene	13.77	225	178903	113.977	ug/l	97
95) Naphthalene	13.82	128	1507491	136.883	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	429136	127.185	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 238922

Ion Ratio Lower Upper

168 100

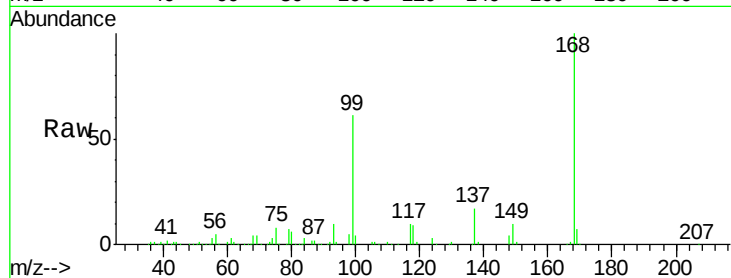
99 60.5 52.1 78.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

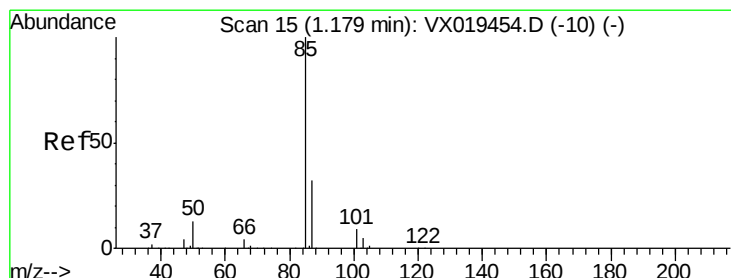
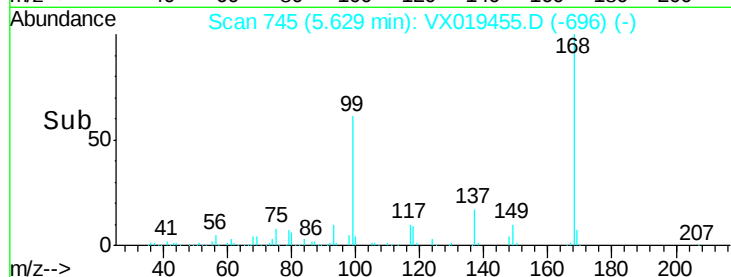
5.50

5.63

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 113.457 ug/l

RT: 1.18 min Scan# 15

Delta R.T. 0.00 min

Lab File: VX019455.D

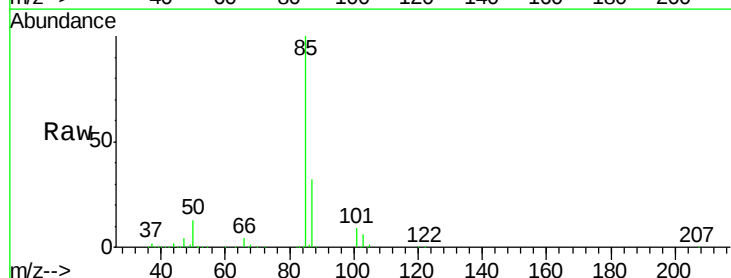
Acq: 18 Nov 2020 15:02

Tgt Ion: 85 Resp: 291675

Ion Ratio Lower Upper

85 100

87 32.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

250000

200000

150000

100000

50000

0

1.10

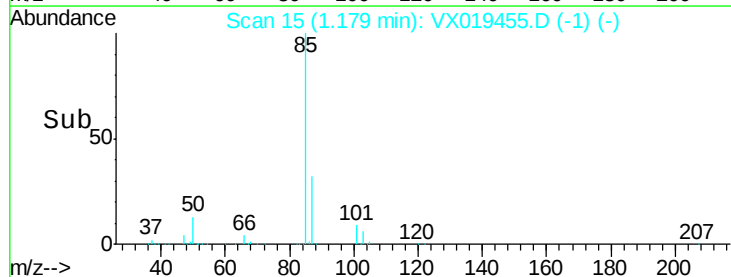
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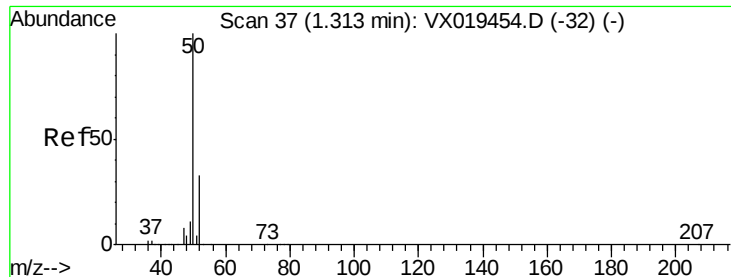
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 99.694 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 334955

Ion Ratio Lower Upper

50 100

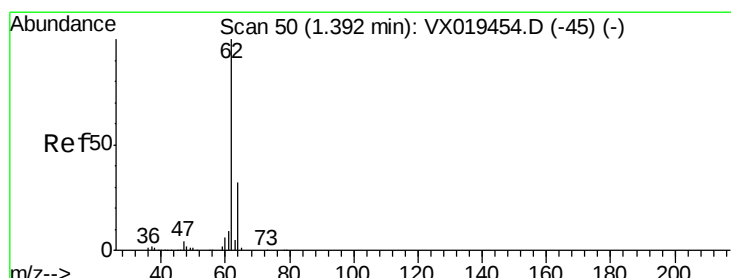
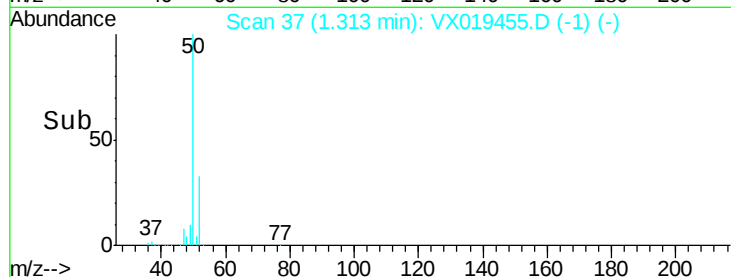
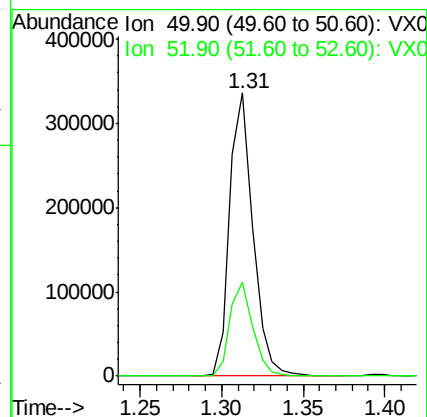
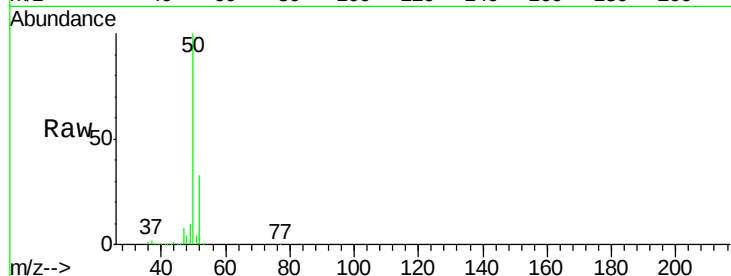
52 33.1 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 107.867 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019455.D

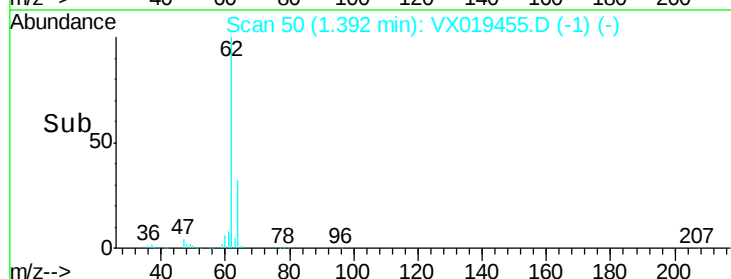
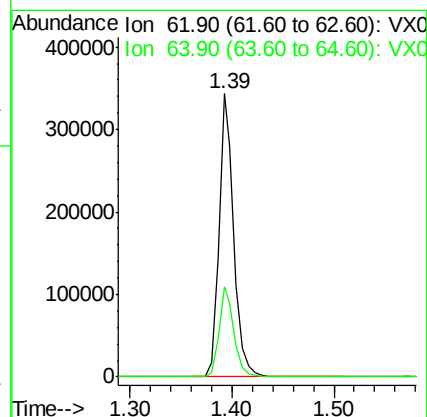
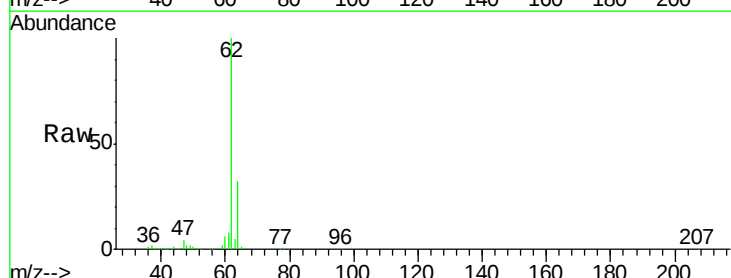
Acq: 18 Nov 2020 15:02

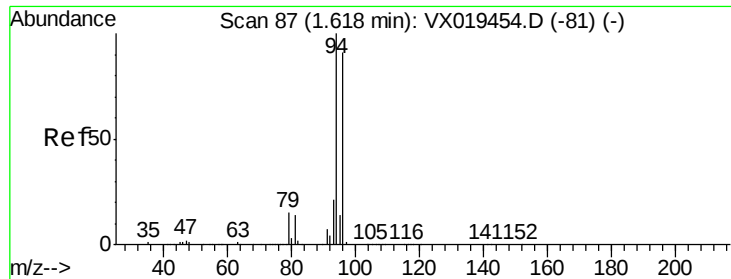
Tgt Ion: 62 Resp: 349359

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 97.808 ug/l

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 156541

Ion Ratio Lower Upper

94 100

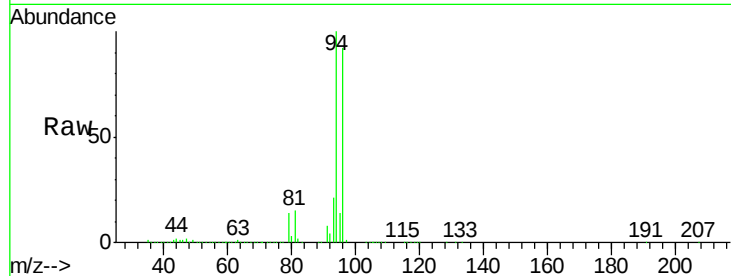
96 92.2 72.4 108.6

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

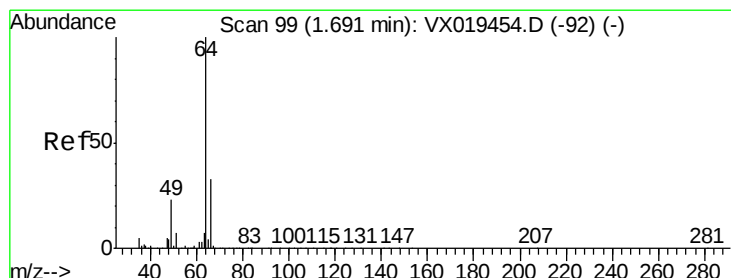
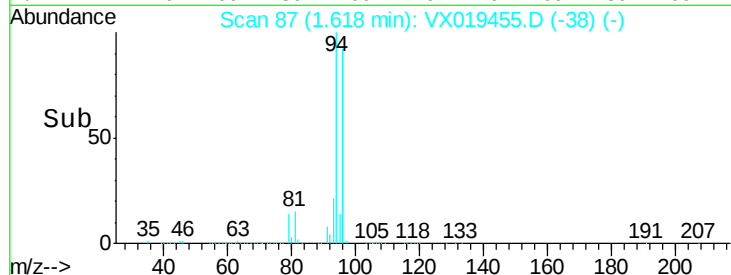
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 79.358 ug/l

RT: 1.68 min Scan# 98

Delta R.T. -0.01 min

Lab File: VX019455.D

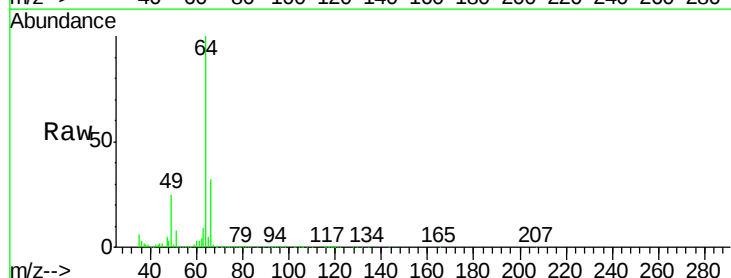
Acq: 18 Nov 2020 15:02

Tgt Ion: 64 Resp: 111458

Ion Ratio Lower Upper

64 100

66 32.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.68

100000

80000

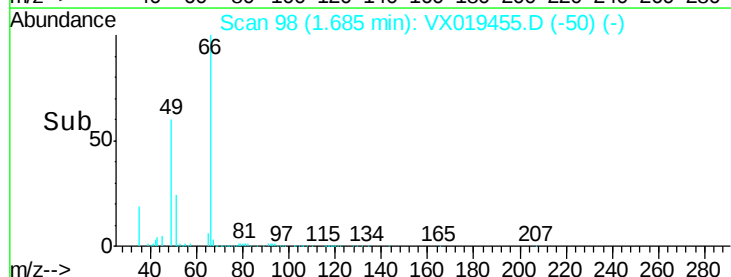
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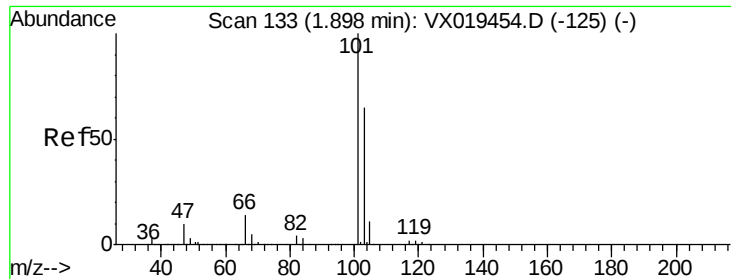
40000

20000

0

Time-->





#7

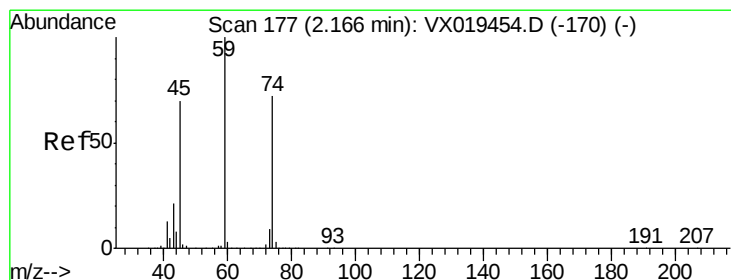
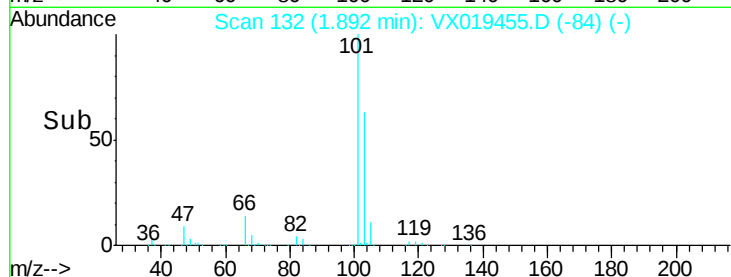
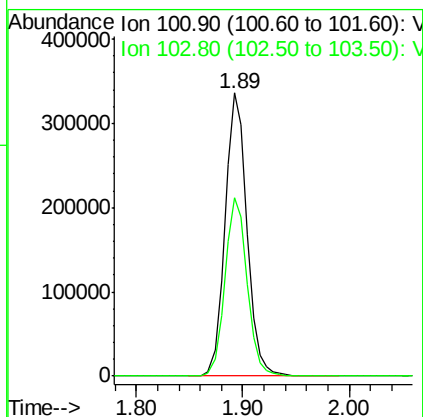
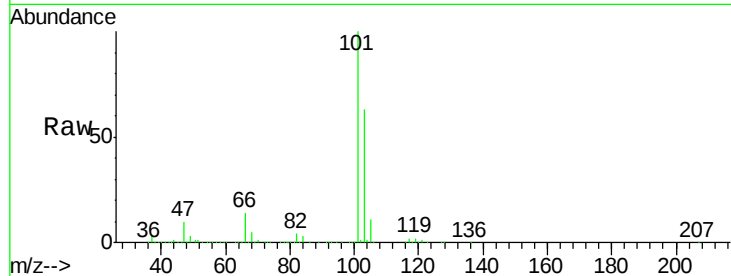
Trichlorofluoromethane
Concen: 106.295 ug/l
RT: 1.89 min Scan# 132
Delta R.T. -0.01 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	482948		
103	63.2	51.8	77.8	

Manual Integrations
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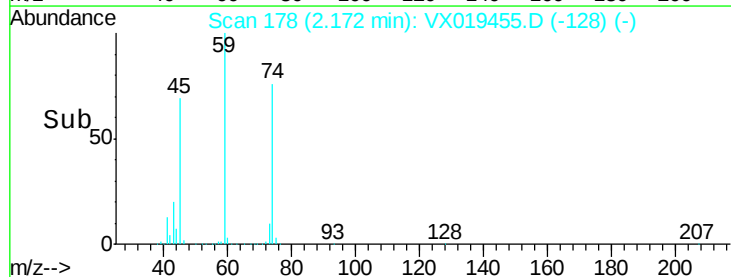
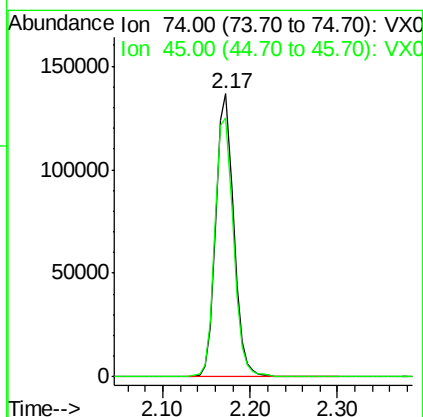
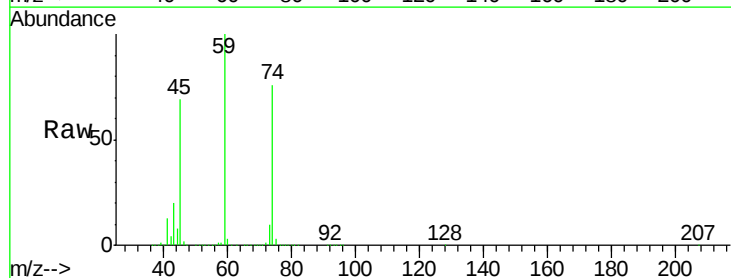
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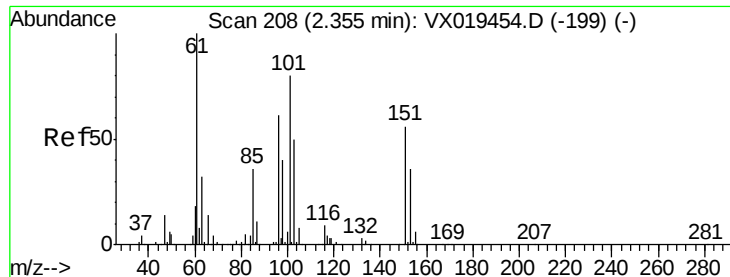


#8

Diethyl Ether
Concen: 107.231 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	193535		
45	95.2	48.8	146.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 102.862 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

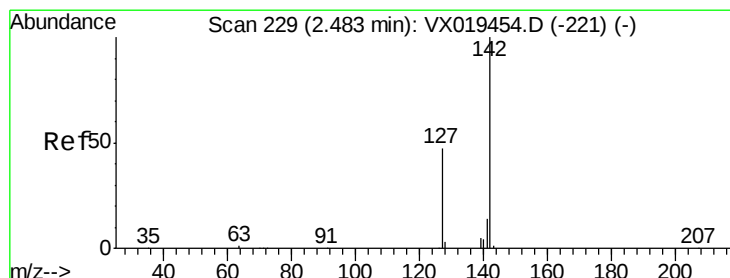
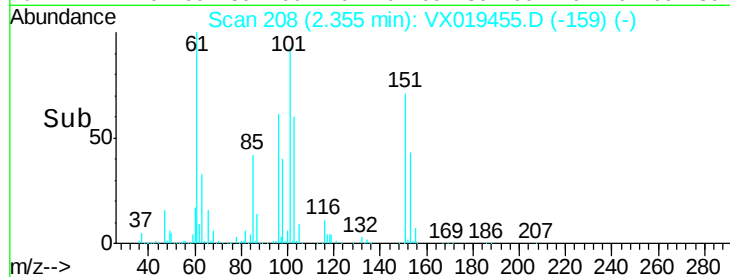
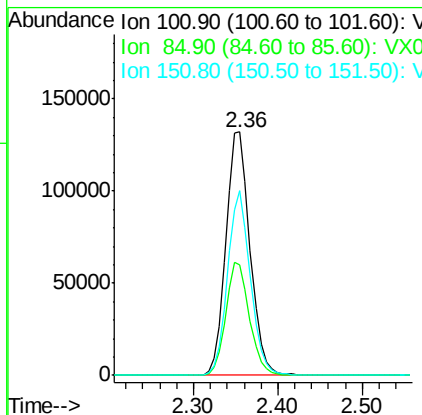
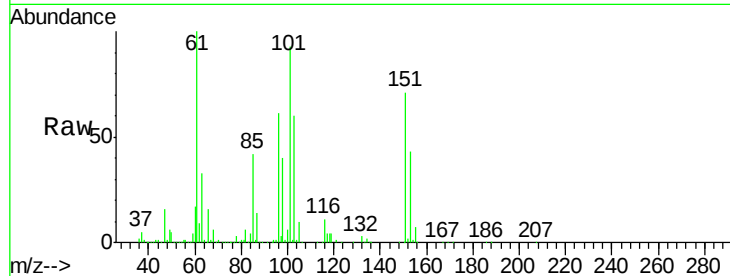
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	258821
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.9	55.3
151	71.5	56.8	85.2

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#10

Methyl Iodide

Concen: 114.899 ug/l

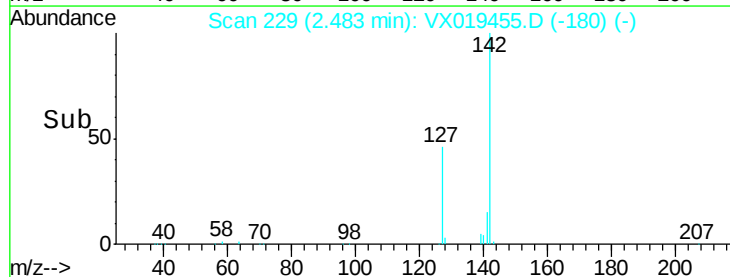
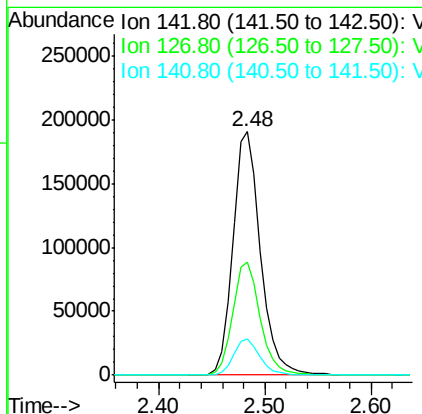
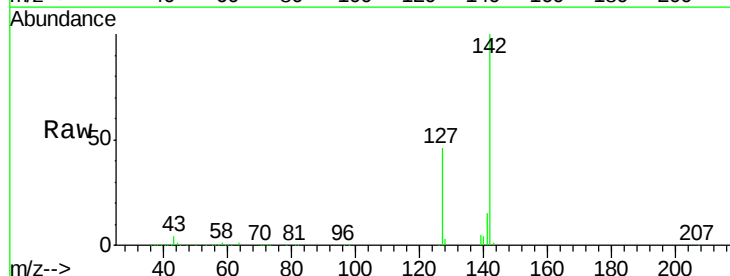
RT: 2.48 min Scan# 229

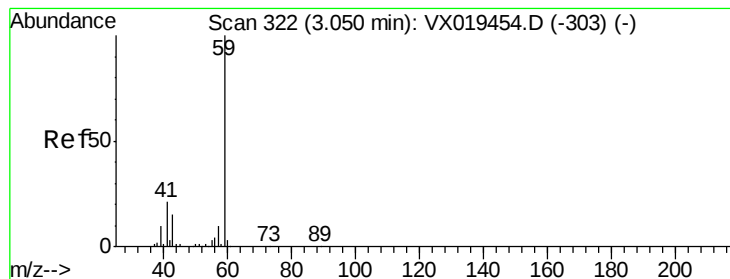
Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Tgt Ion:	142	Resp:	345906
Ion Ratio	Lower	Upper	
142	100		
127	46.7	37.8	56.6
141	14.5	11.4	17.2





#11

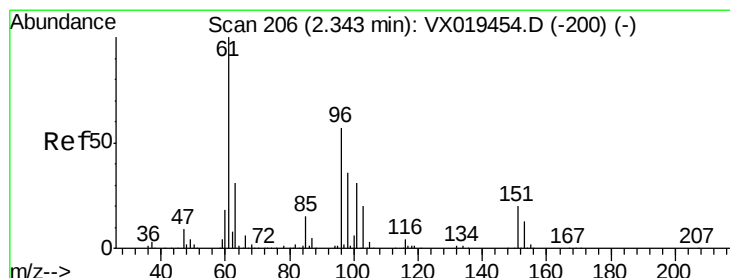
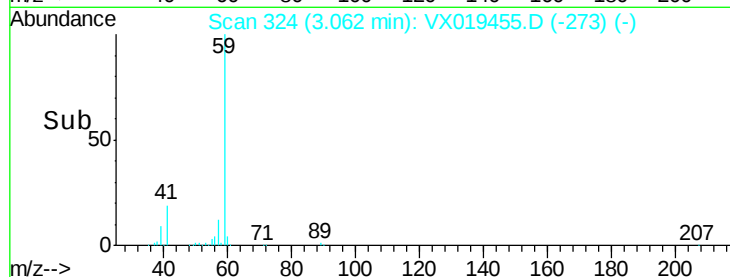
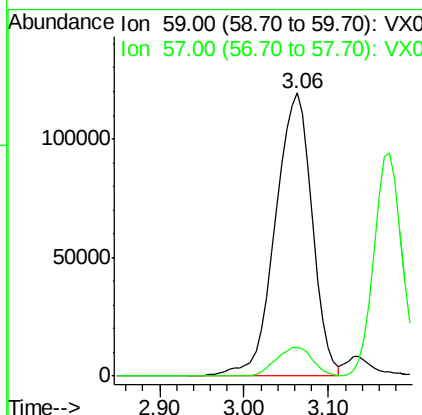
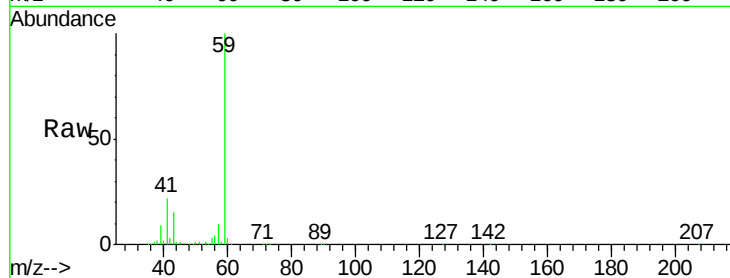
Tert butyl alcohol
 Concen: 521.261 ug/l
 RT: 3.06 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: VX019455.D
 Acq: 18 Nov 2020 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

Manual Integrations
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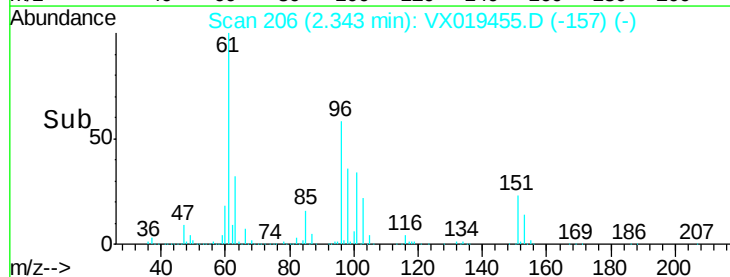
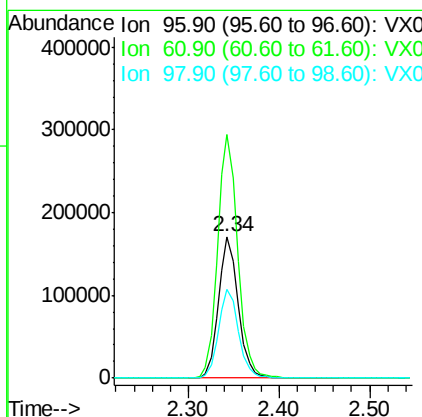
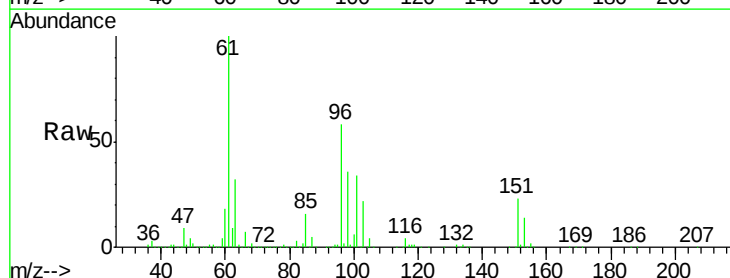
MMDadoda
 11/19/2020 11:58:13 AM

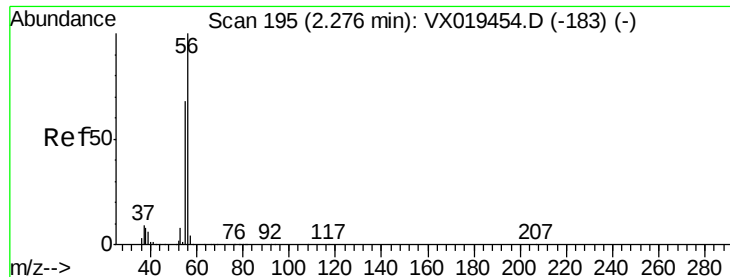


#12

1,1-Dichloroethene
 Concen: 102.518 ug/l
 RT: 2.34 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VX019455.D
 Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.4	139.2	208.8
98	62.5	50.3	75.5





#13

Acrolein

Concen: 519.185 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 256070

Ion Ratio Lower Upper

56 100

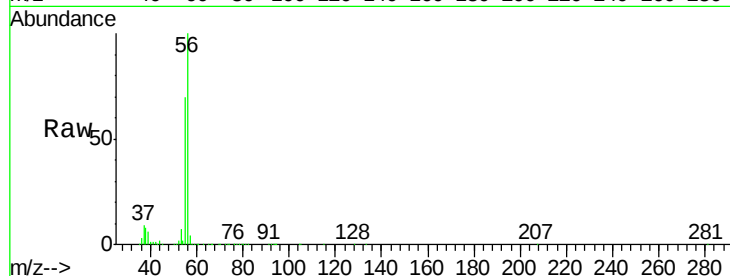
55 69.5 55.9 83.9

Manual Integrations

APPROVED

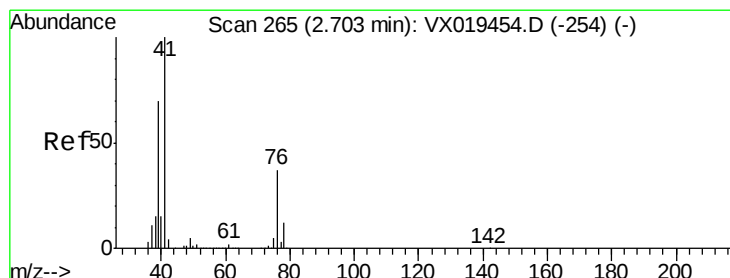
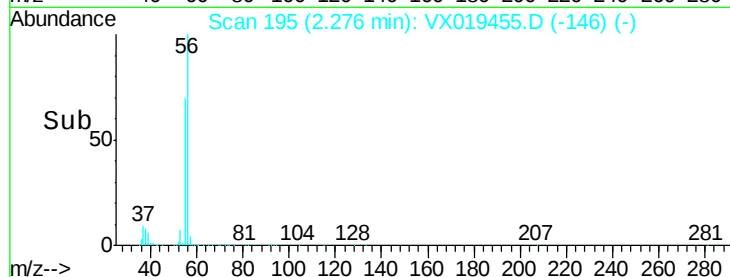
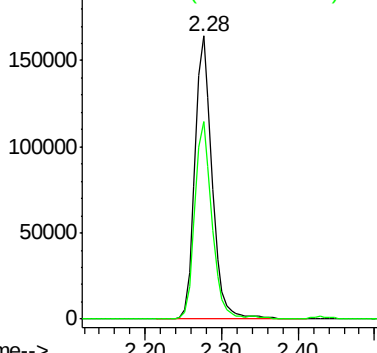
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 111.223 ug/l

RT: 2.70 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

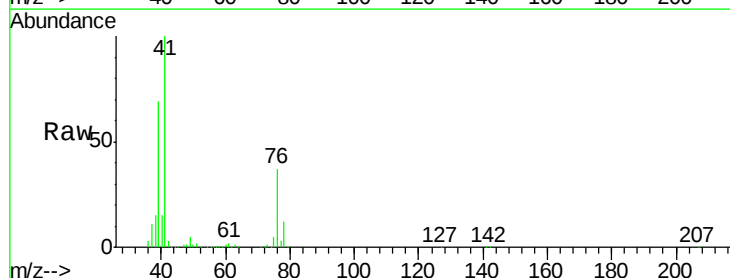
Tgt Ion: 41 Resp: 482588

Ion Ratio Lower Upper

41 100

39 67.2 53.2 79.8

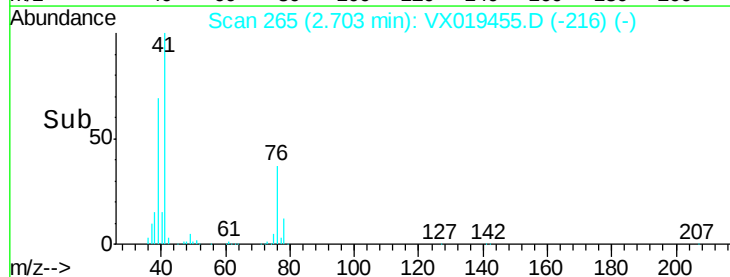
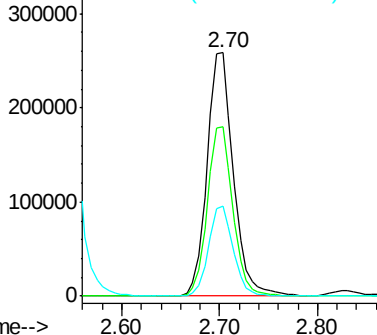
76 34.6 27.5 41.3

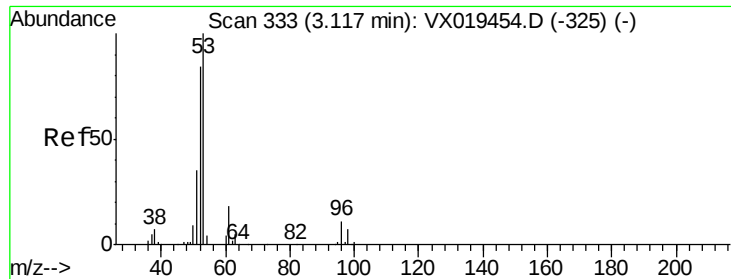


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 559.425 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

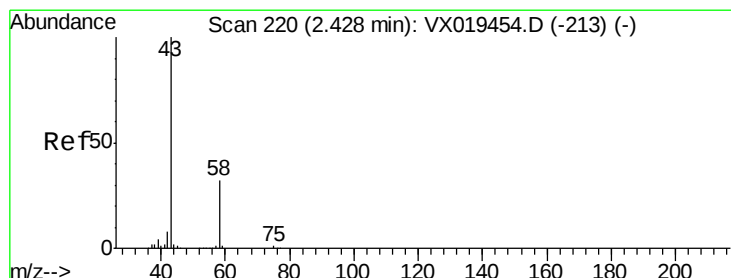
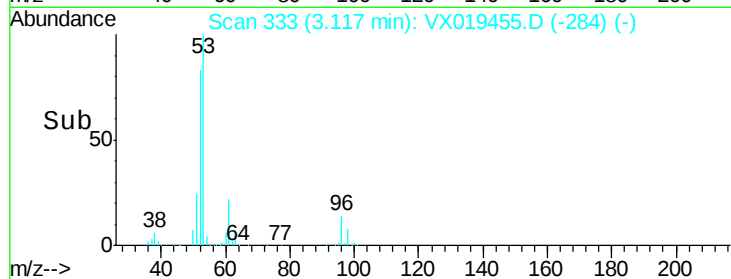
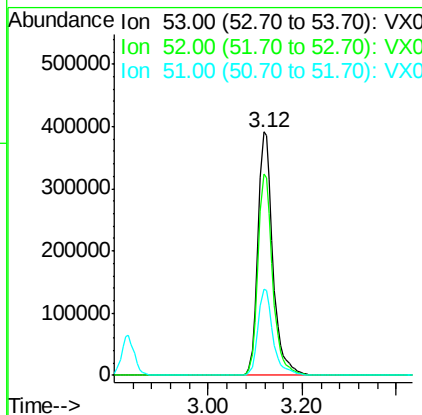
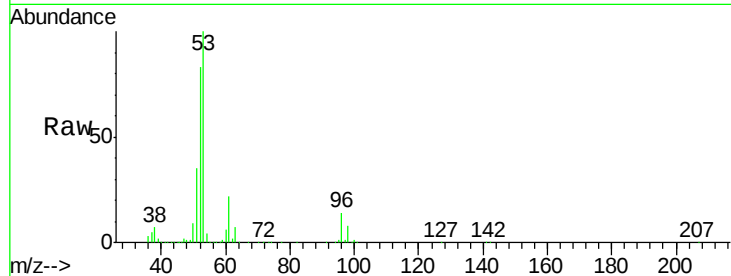
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	872519
Ion Ratio		Lower	Upper
53	100		
52	81.9	66.3	99.5
51	35.5	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 508.762 ug/l

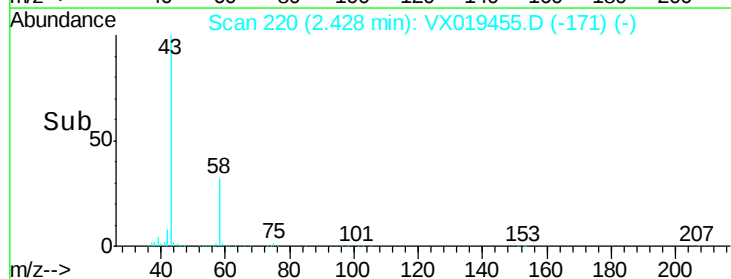
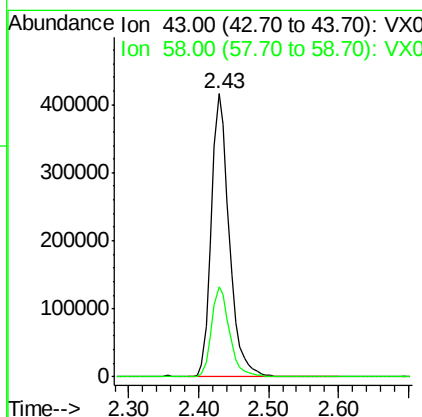
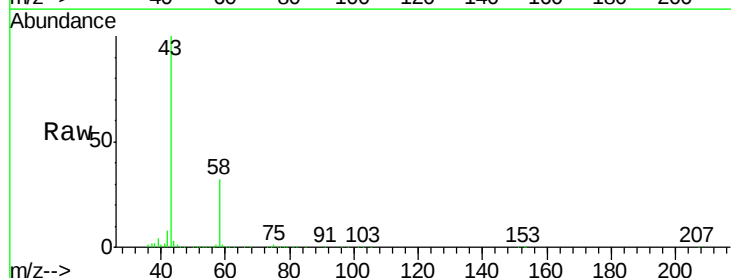
RT: 2.43 min Scan# 220

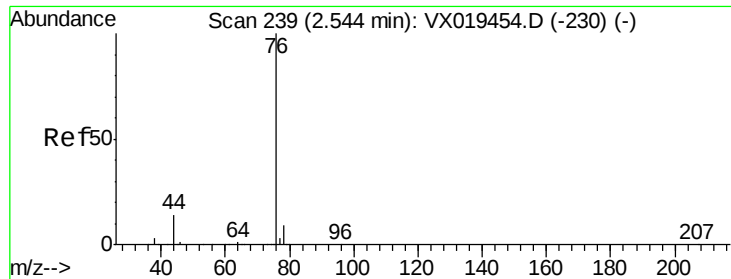
Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Tgt Ion:	43	Resp:	738324
Ion Ratio		Lower	Upper
43	100		
58	31.8	25.4	38.0





#17

Carbon Disulfide

Concen: 116.606 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 768043

Ion Ratio Lower Upper

76 100

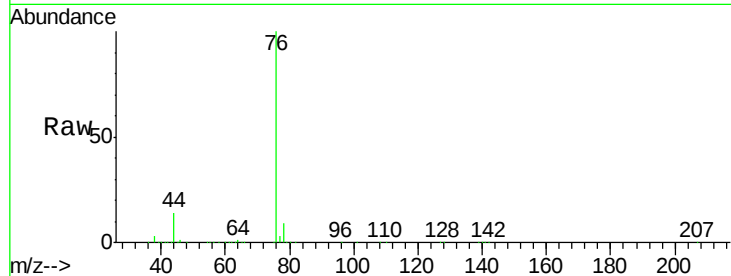
78 9.0 7.4 11.2

Manual Integrations

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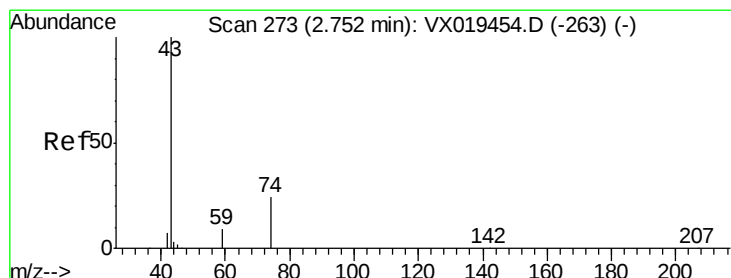
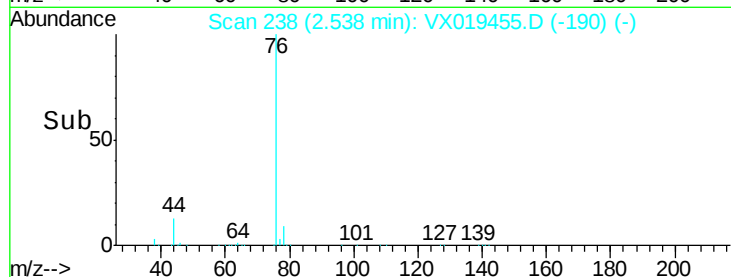
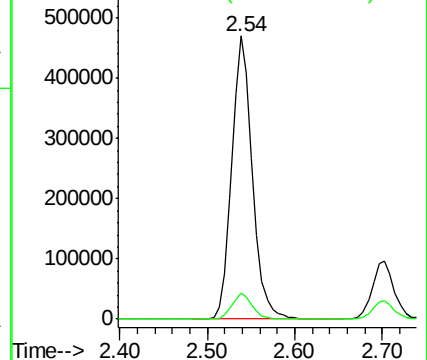
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 102.599 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019455.D

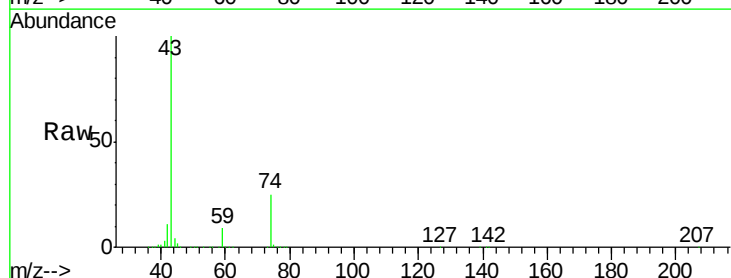
Acq: 18 Nov 2020 15:02

Tgt Ion: 43 Resp: 363804

Ion Ratio Lower Upper

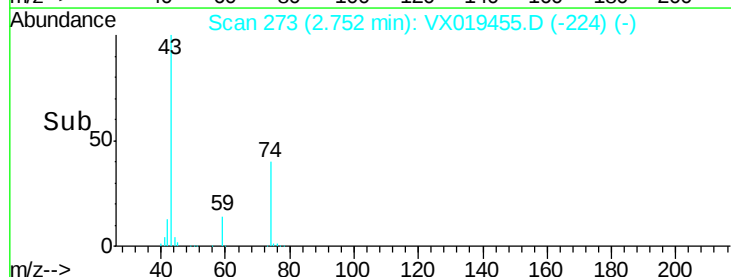
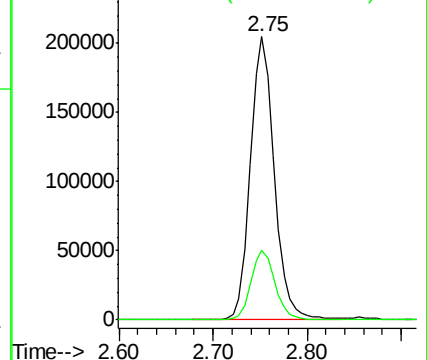
43 100

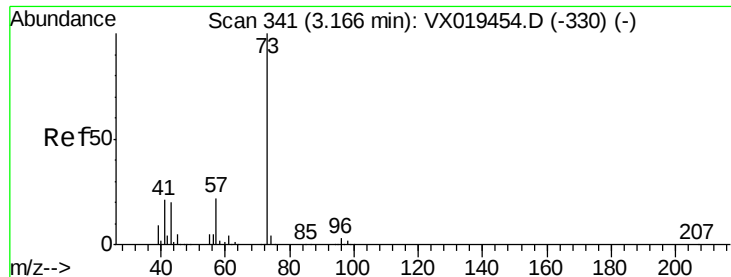
74 24.3 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





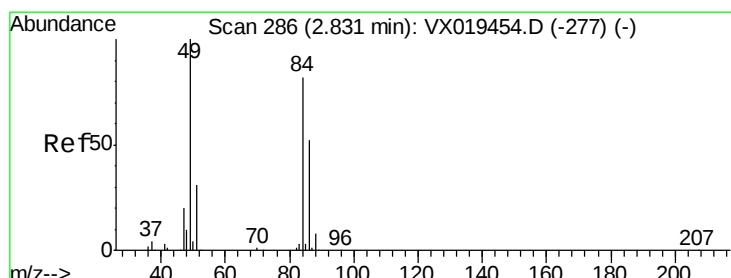
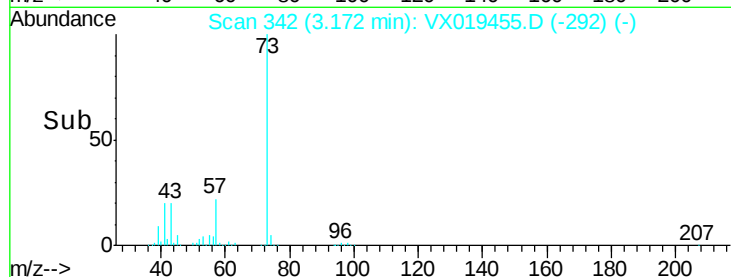
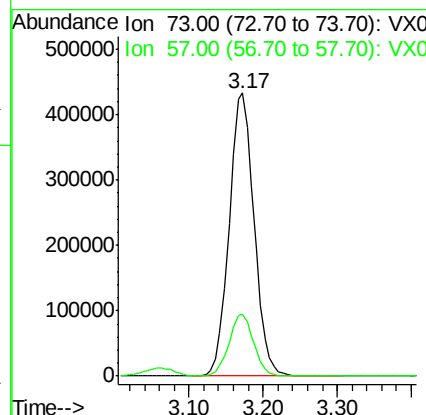
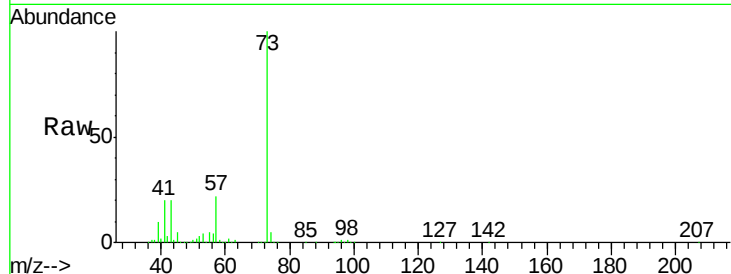
#19
Methvl tert-butvl Ether
Concen: 113.051 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 73 Resp: 1008039
Ion Ratio Lower Upper
73 100
57 21.8 17.5 26.3

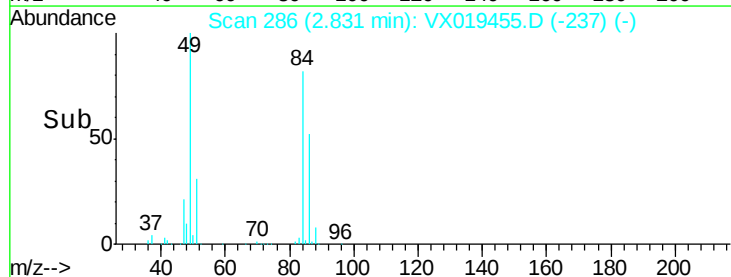
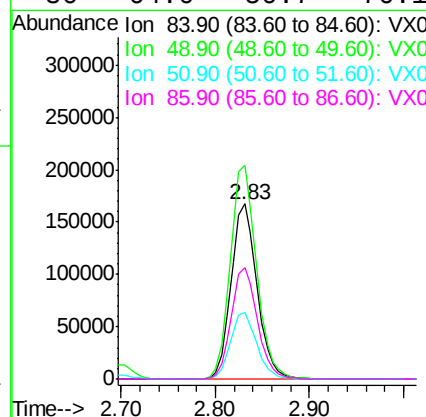
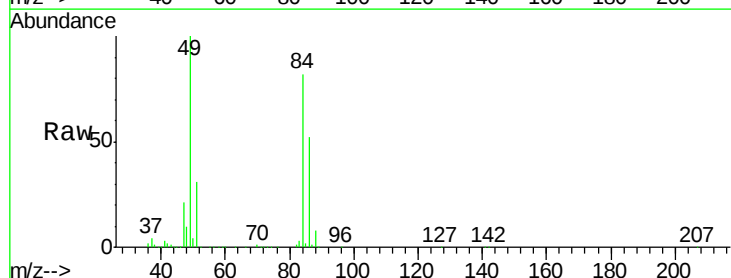
Manual Integrations
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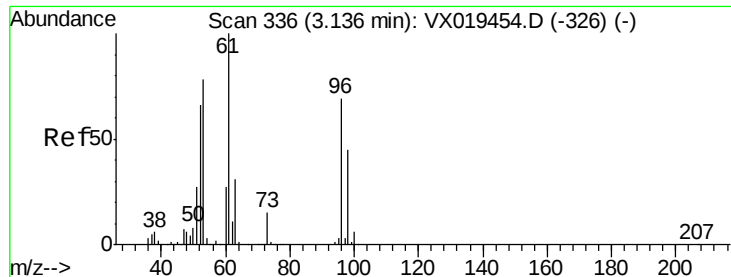
MMDadoda
11/19/2020 11:58:13 AM



#20
Methylene Chloride
Concen: 96.062 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion: 84 Resp: 320233
Ion Ratio Lower Upper
84 100
49 122.2 97.6 146.4
51 38.0 30.6 45.8
86 64.0 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 110.685 ug/l

RT: 3.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

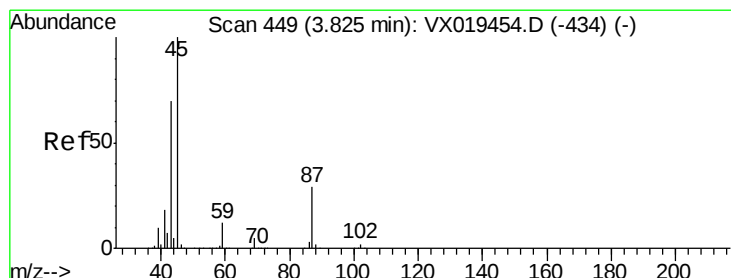
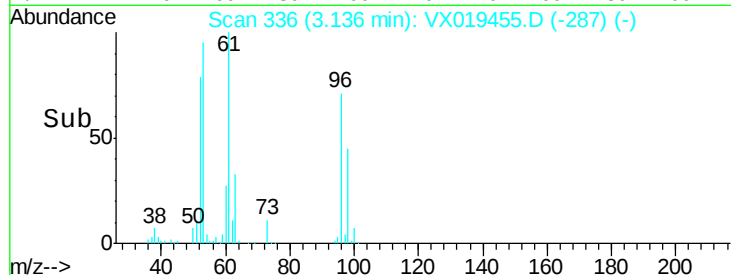
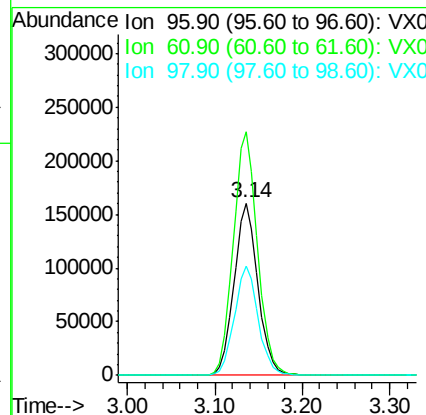
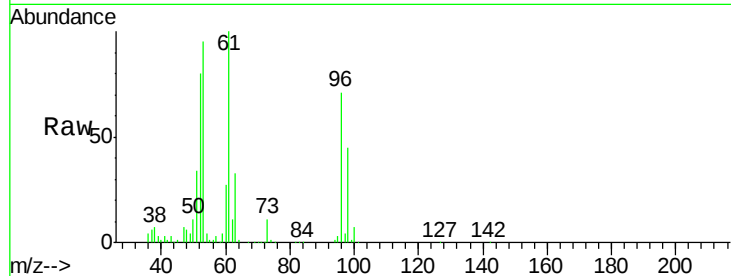
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	304047
Ion Ratio	Lower	Upper	
96	100		
61	141.0	116.0	174.0
98	63.4	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 111.746 ug/l

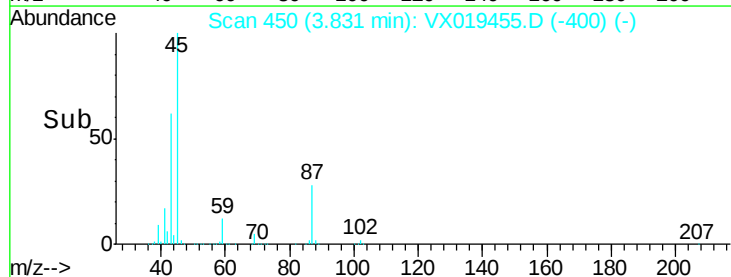
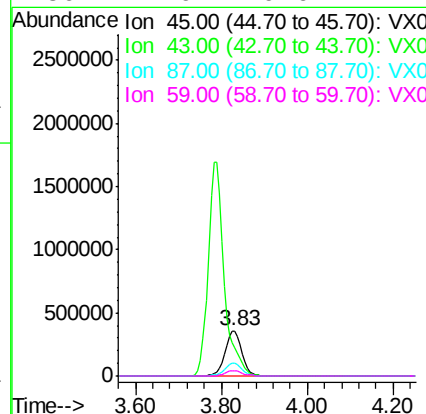
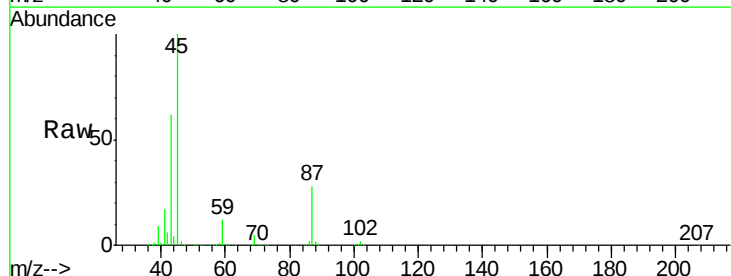
RT: 3.83 min Scan# 450

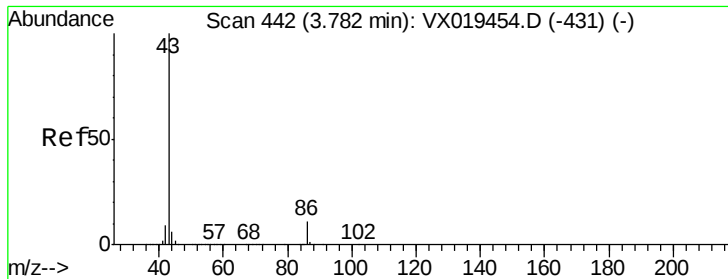
Delta R.T. 0.01 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Tgt Ion:	45	Resp:	989695
Ion Ratio	Lower	Upper	
45	100		
43	61.9	56.6	84.8
87	28.5	22.9	34.3
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 596.356 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Tot Ion: 43 Resp: 4386180

Ion Ratio Lower Upper

43 100

86 11.2 8.8 13.2

Instrument :

MSVOA_X

ClientSampleId :

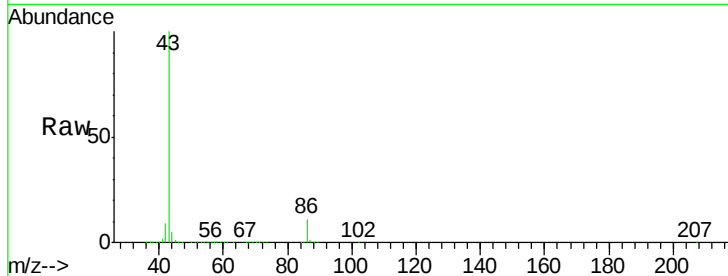
VSTDIC100

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

2000000

1500000

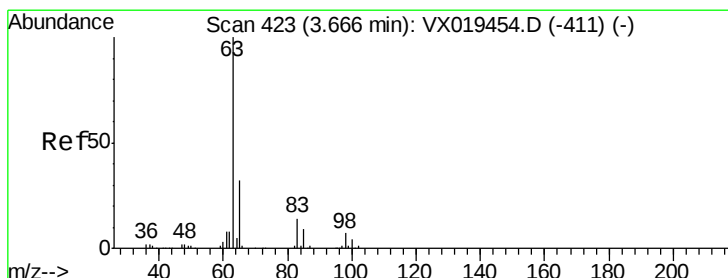
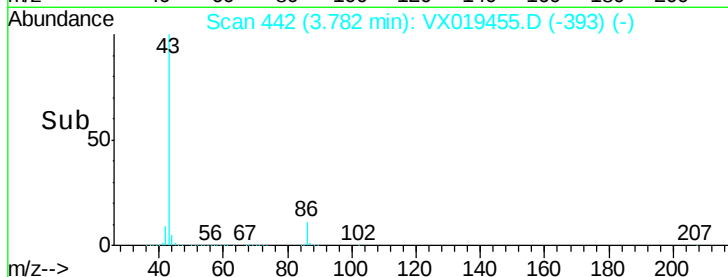
1000000

500000

0

3.60 3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 107.352 ug/l

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

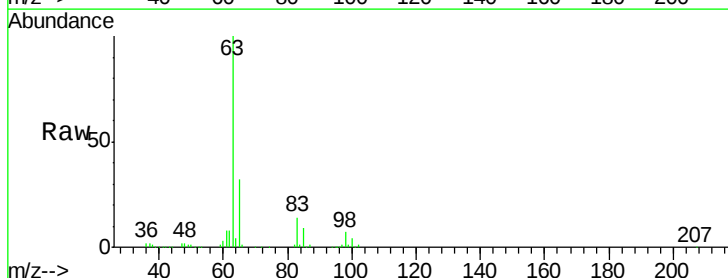
Tgt Ion: 63 Resp: 565700

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

300000

250000

200000

150000

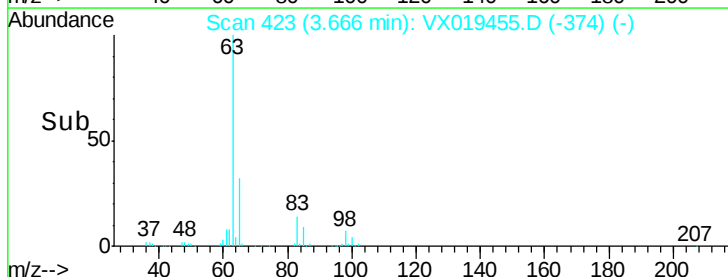
100000

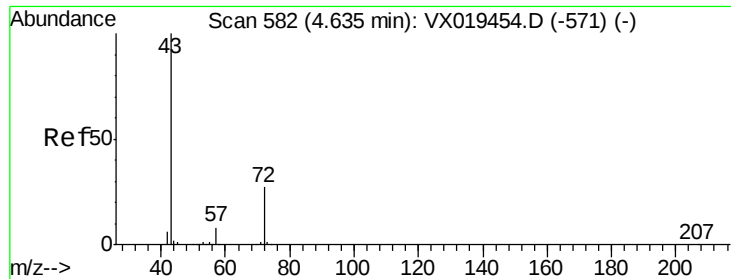
50000

0

3.50 3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 554.006 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1170044

Ion Ratio Lower Upper

43 100

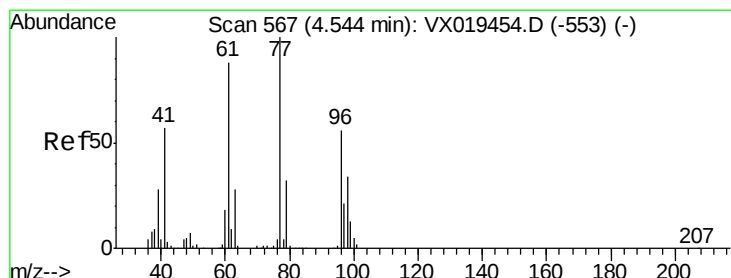
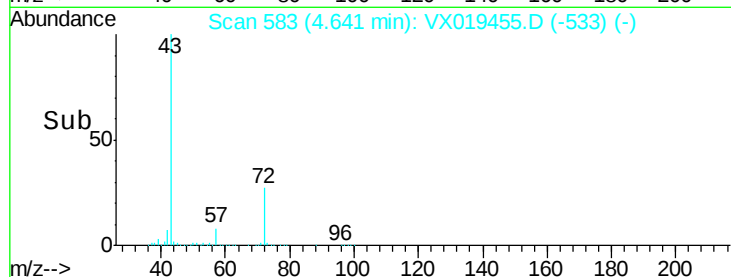
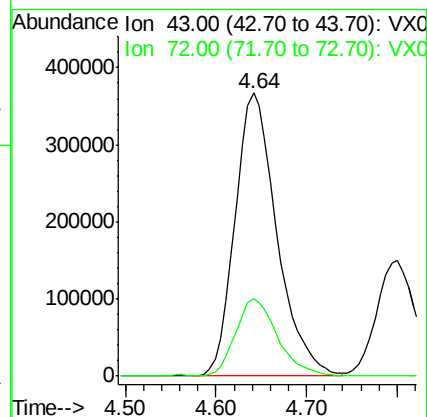
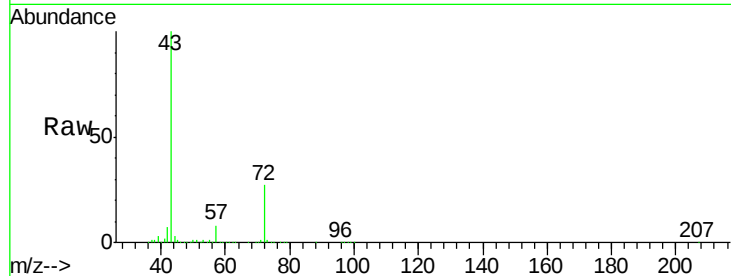
72 27.1 21.4 32.0

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 112.619 ug/l

RT: 4.54 min Scan# 567

Delta R.T. 0.00 min

Lab File: VX019455.D

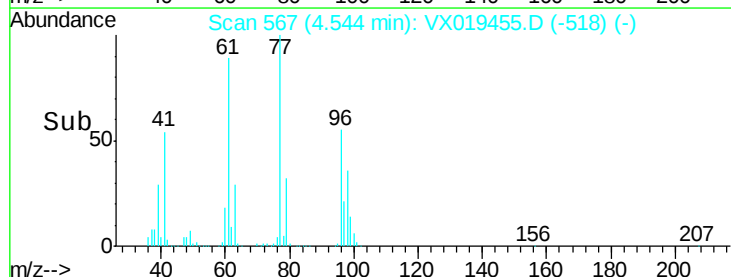
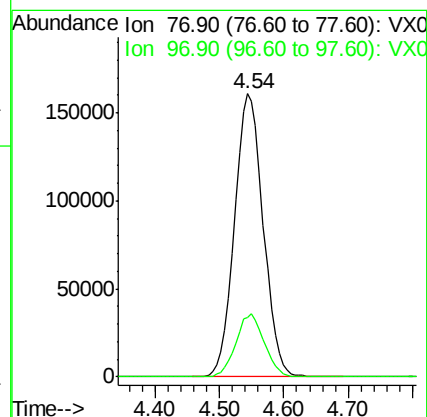
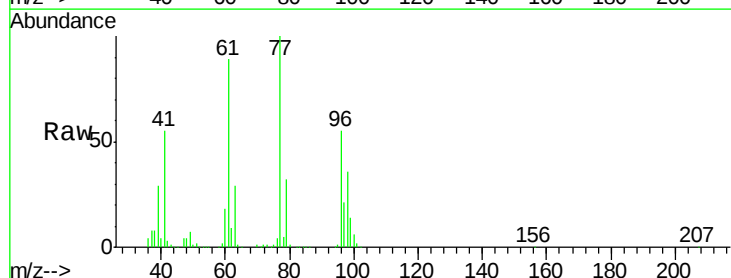
Acq: 18 Nov 2020 15:02

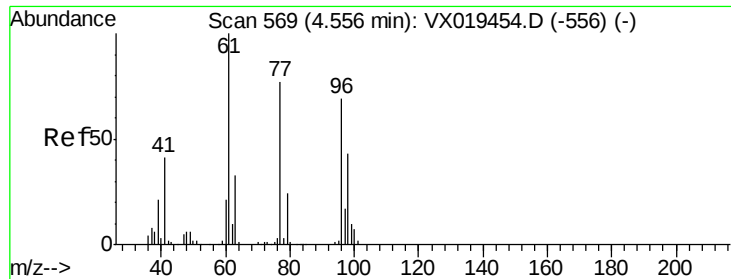
Tgt Ion: 77 Resp: 497927

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.9





#27

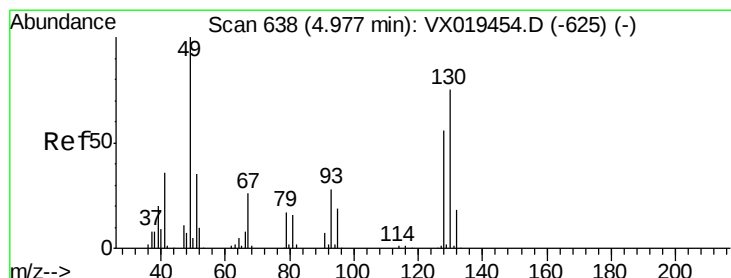
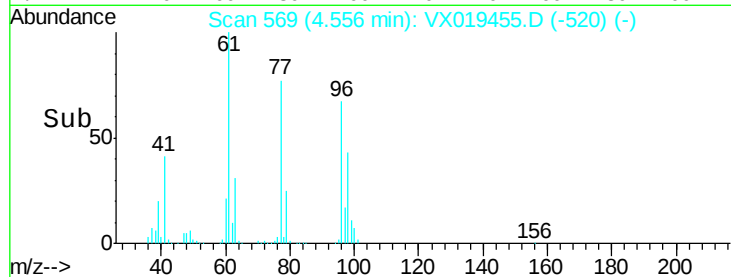
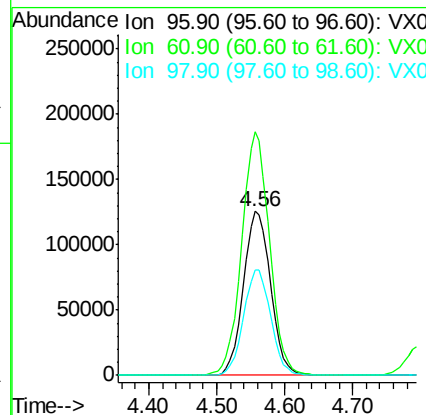
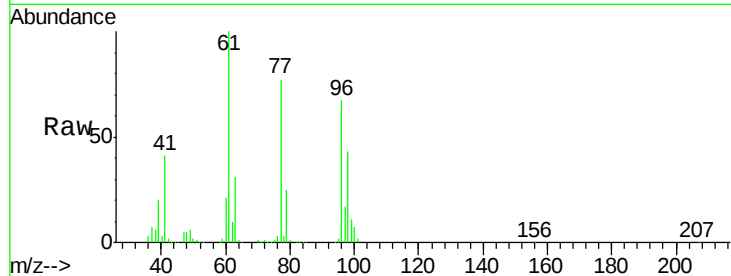
cis-1,2-Dichloroethene
Concen: 112.311 ug/l
RT: 4.56 min Scan# 569
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.7	0.0	307.8	
98	64.5	0.0	128.6	

Manual Integrations
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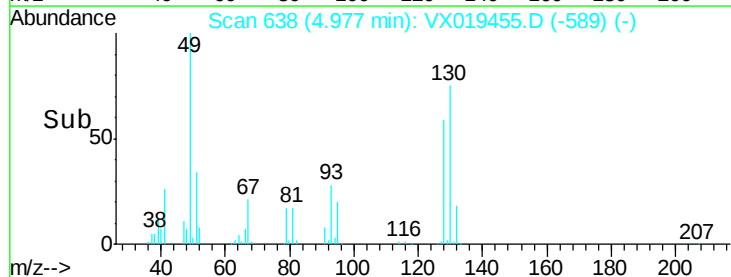
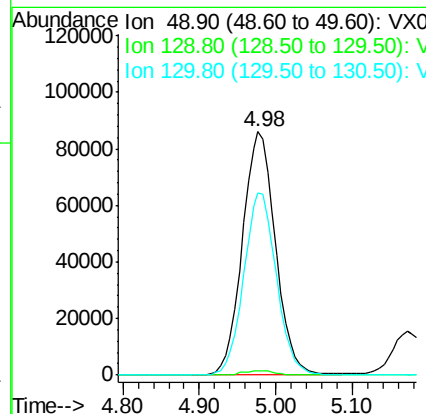
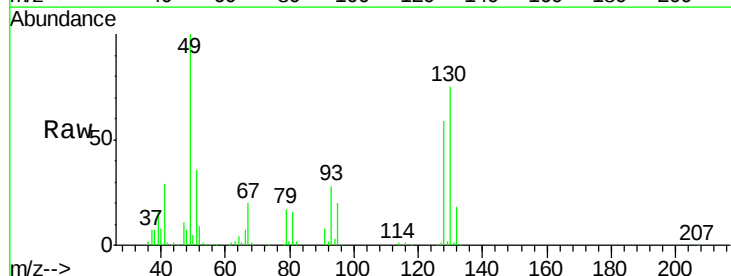
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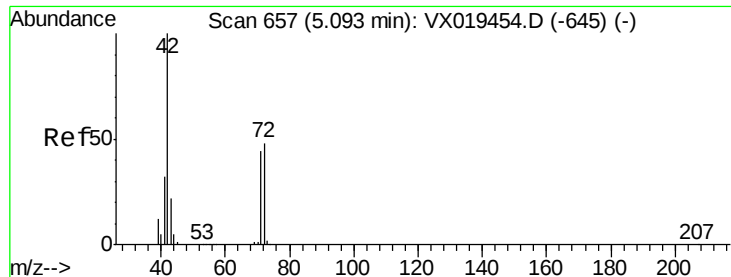


#28

Bromochloromethane
Concen: 101.014 ug/l
RT: 4.98 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.8	
130	73.9	59.2	88.8	





#29

Tetrahydrofuran

Concen: 553.995 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

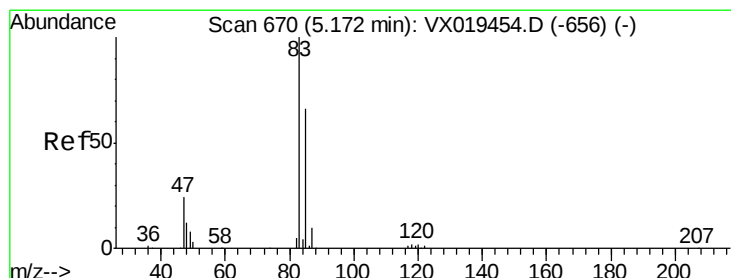
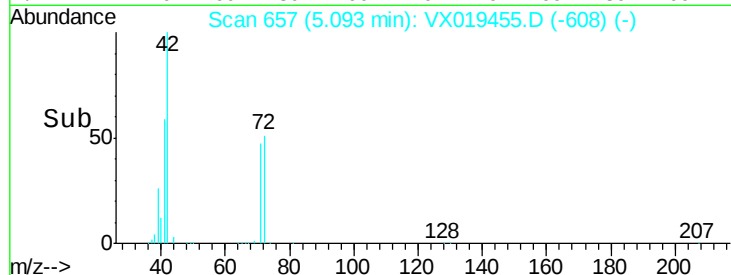
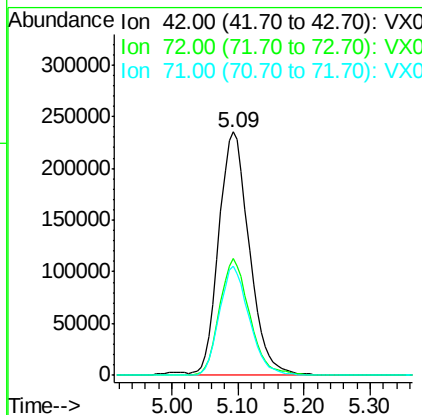
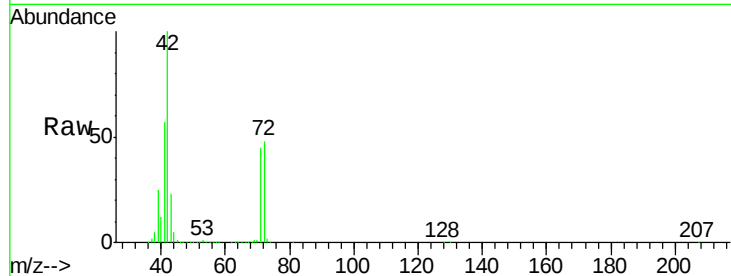
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	750693
Ion Ratio		Lower	Upper
42	100		
72	47.5	38.1	57.1
71	43.9	34.6	51.8

Manual Integrations
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#30

Chloroform

Concen: 107.133 ug/l

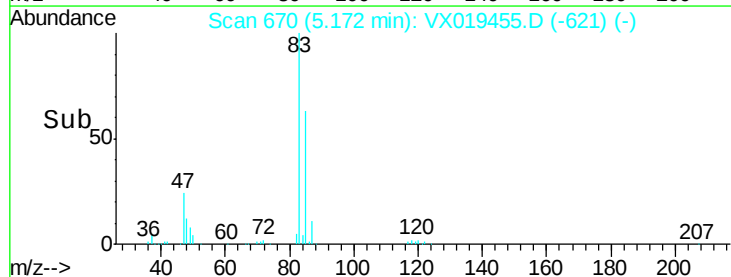
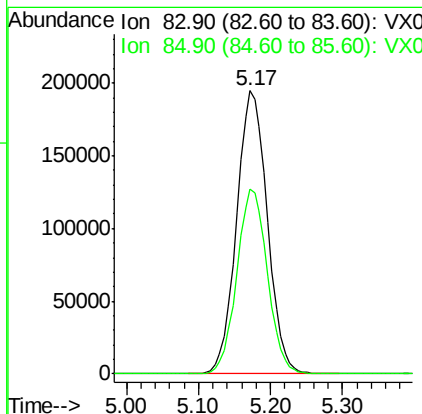
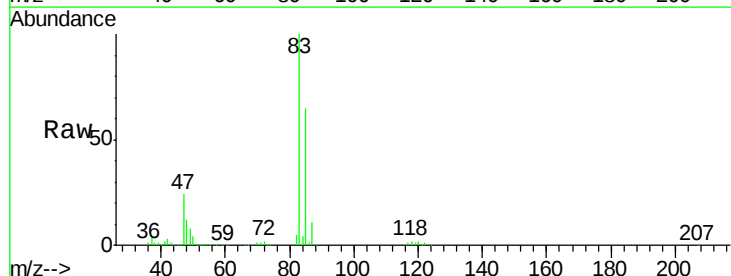
RT: 5.17 min Scan# 670

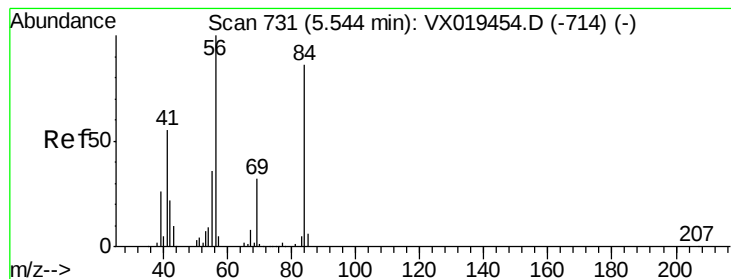
Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Tgt Ion:	83	Resp:	577110
Ion Ratio		Lower	Upper
83	100		
85	65.4	52.4	78.6





#31

Cyclohexane

Concen: 110.967 ug/l

RT: 5.54 min Scan# 731

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

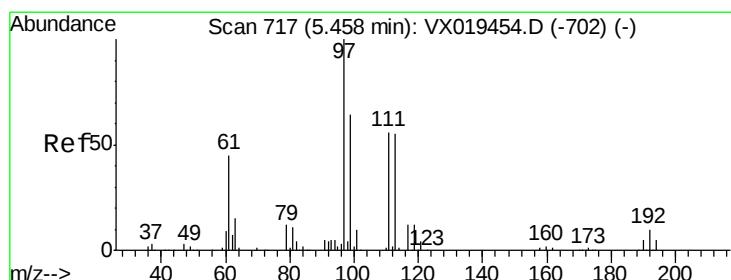
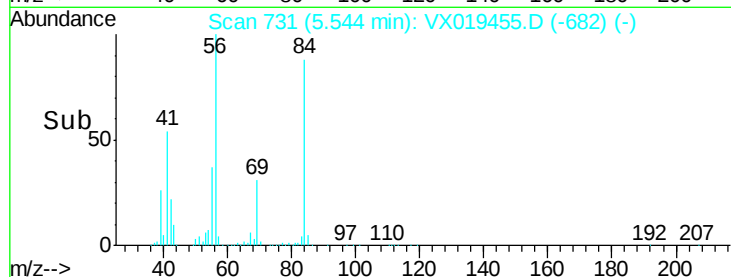
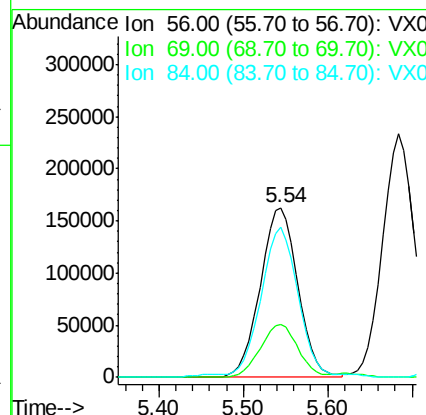
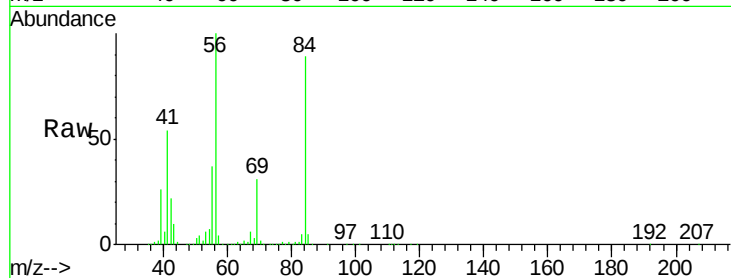
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	498925
Ion Ratio	Lower	Upper	
56	100		
69	31.1	25.2	37.8
84	87.3	68.5	102.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 112.285 ug/l

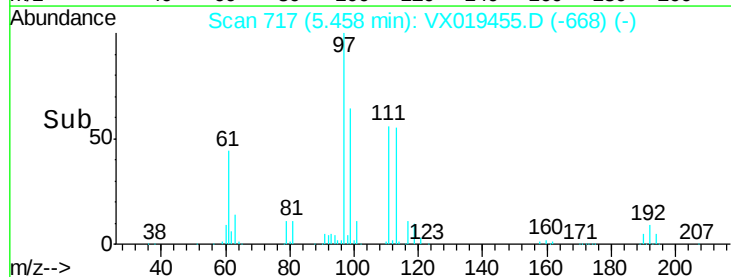
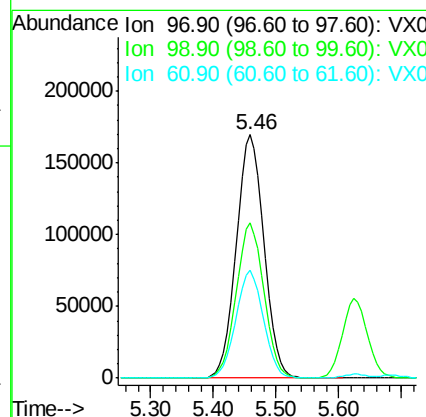
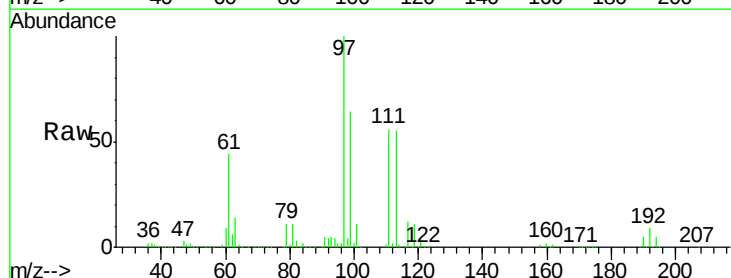
RT: 5.46 min Scan# 717

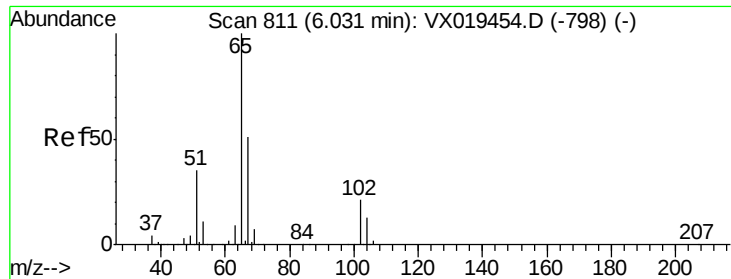
Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Tgt Ion:	97	Resp:	518155
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.9	77.9
61	44.2	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 97.647 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 366430

Ion Ratio Lower Upper

65 100

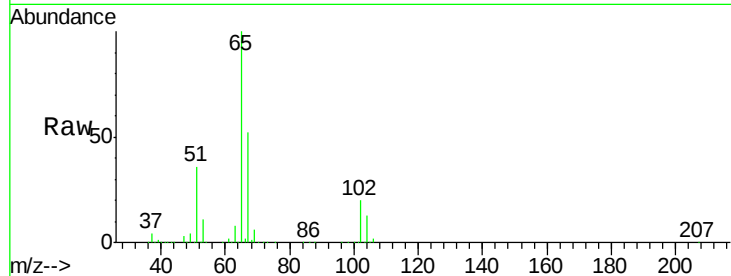
67 52.0 0.0 102.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

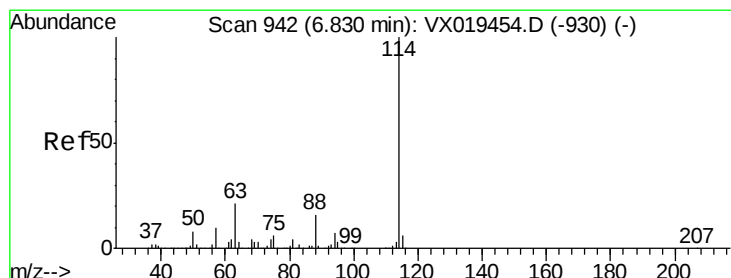
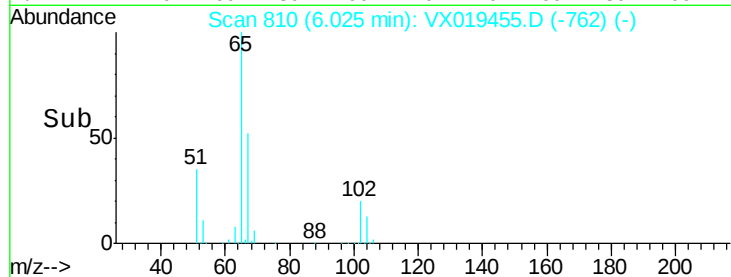
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

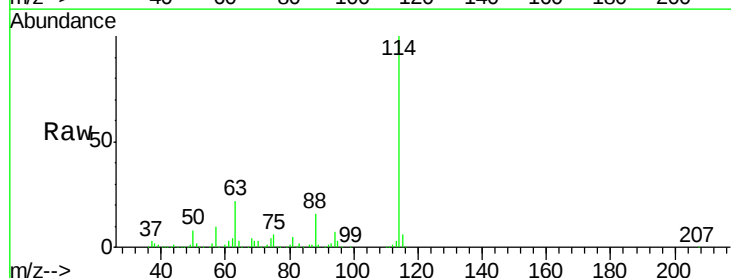
Tgt Ion: 114 Resp: 407821

Ion Ratio Lower Upper

114 100

63 22.2 0.0 42.0

88 16.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

200000

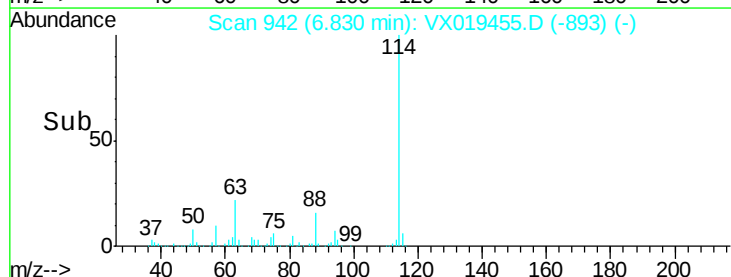
150000

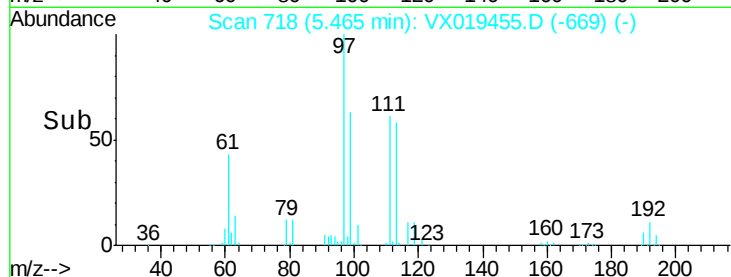
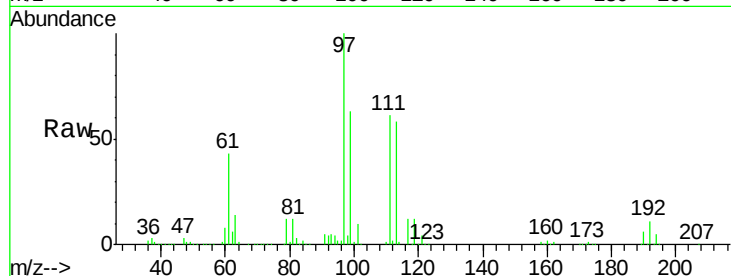
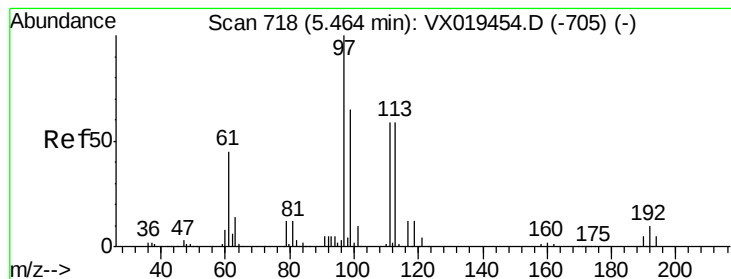
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 104.560 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Tot Ion:	113	Resp:	273279
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.2	123.4
192	18.0	14.2	21.4

Instrument :

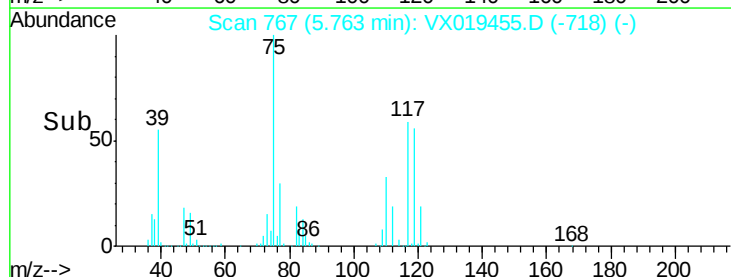
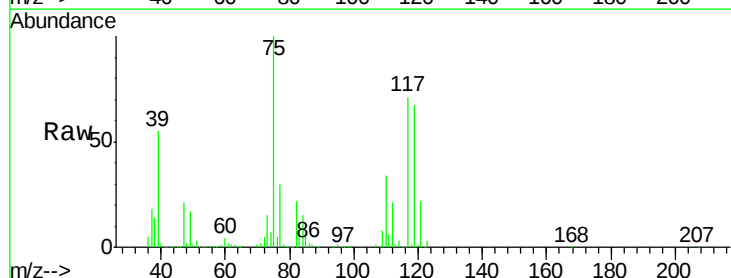
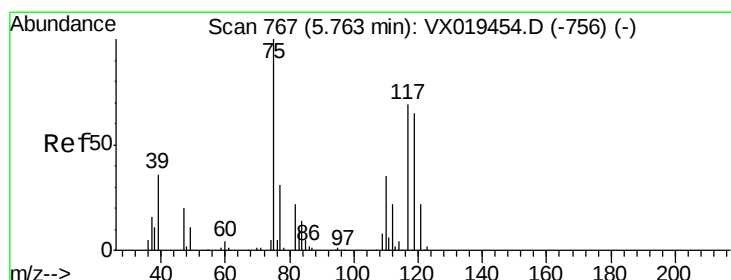
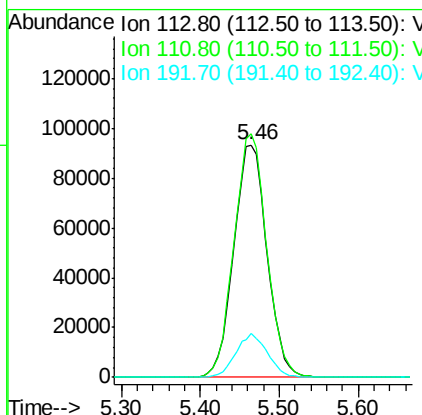
MSVOA_X

ClientSampleId :

VSTDIC100

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#36

1,1-Dichloropropene

Concen: 111.529 ug/l

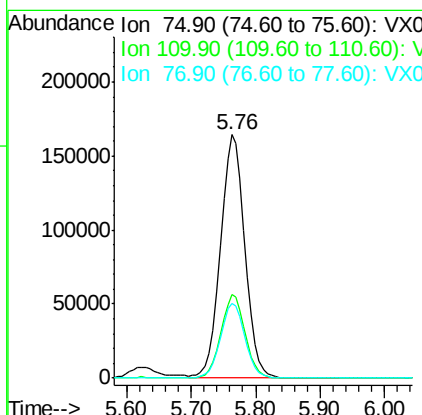
RT: 5.76 min Scan# 767

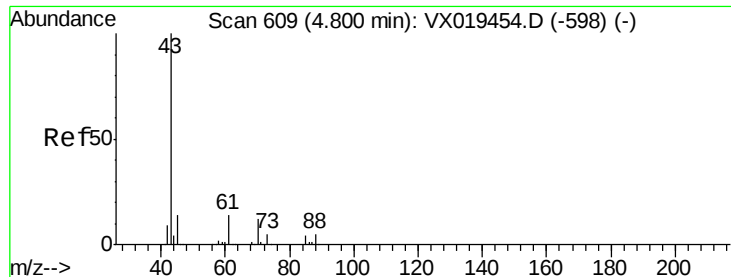
Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Tgt Ion:	75	Resp:	438093
Ion Ratio	Lower	Upper	
75	100		
110	33.9	17.0	50.9
77	30.9	24.7	37.1





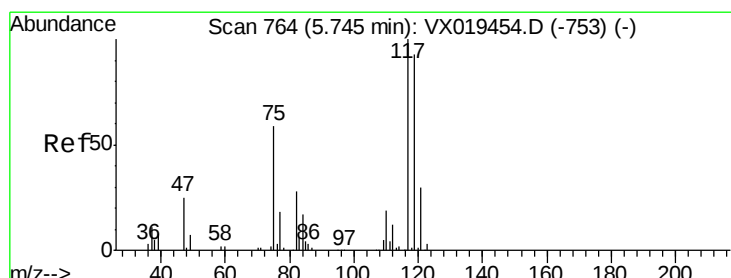
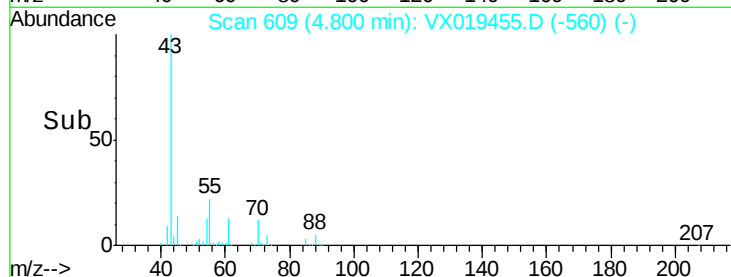
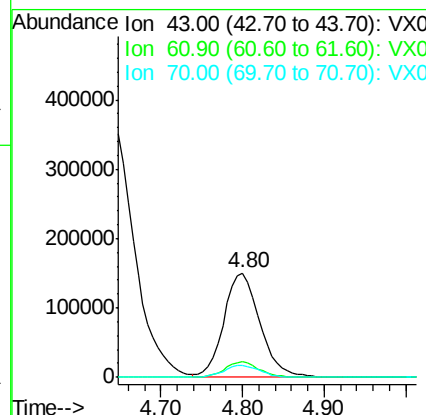
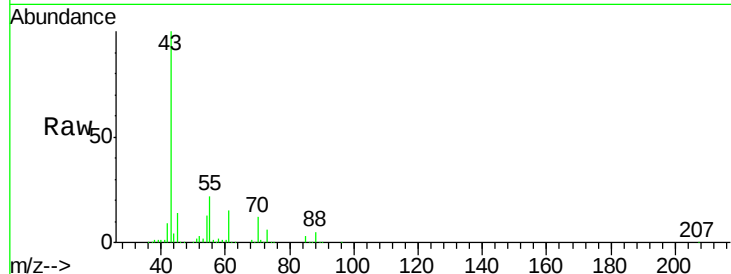
#37
Ethyl Acetate
Concen: 112.116 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.6	17.4
70	11.8	9.2	13.8

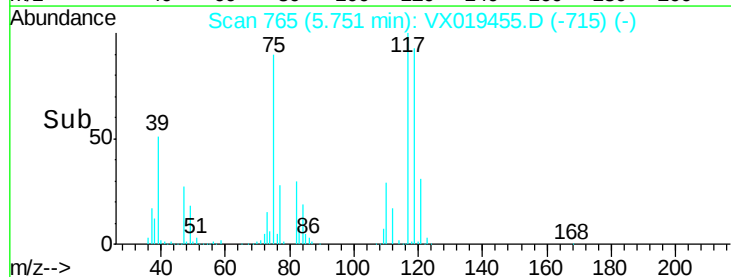
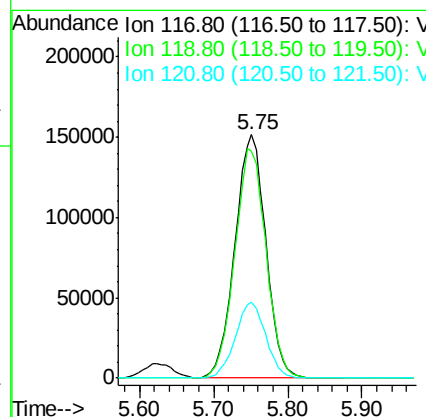
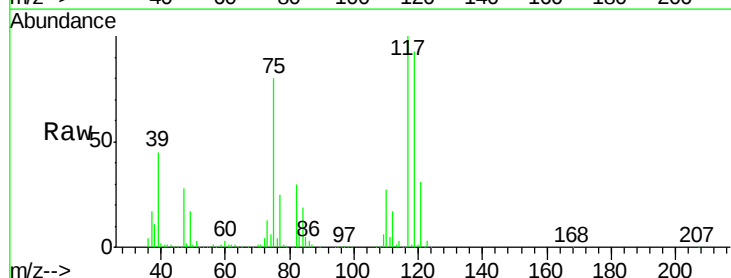
Manual Integrations
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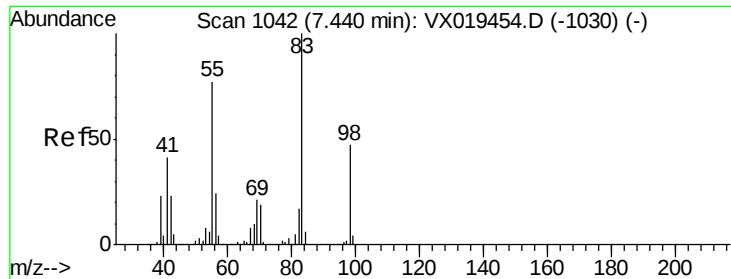
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#38
Carbon Tetrachloride
Concen: 114.707 ug/l
RT: 5.75 min Scan# 765
Delta R.T. 0.01 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.1	111.1
121	31.0	23.6	35.4





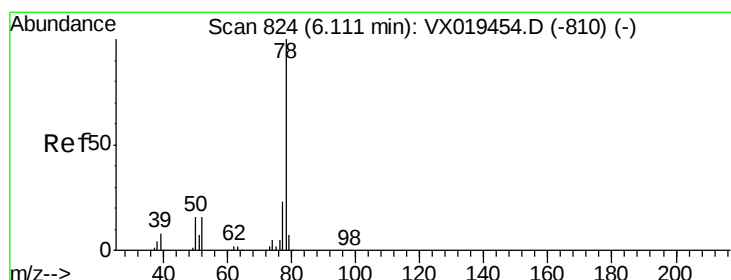
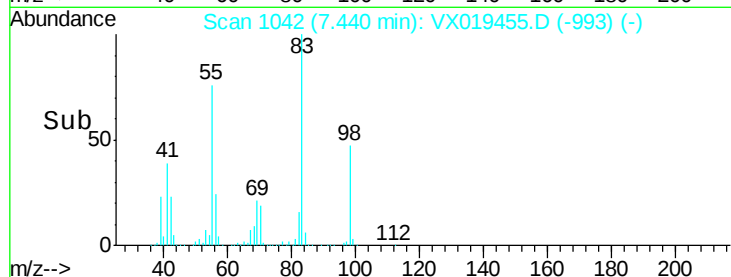
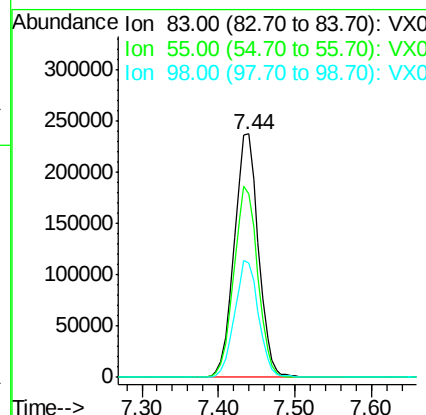
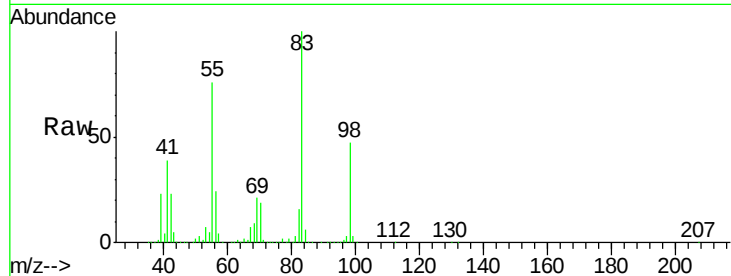
#39
Methvlcvclohexane
Concen: 120.949 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.4	92.0
98	47.1	37.6	56.4

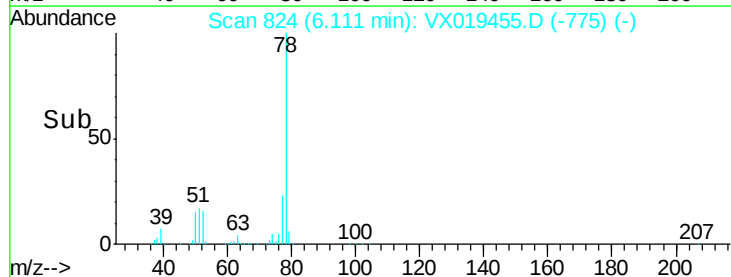
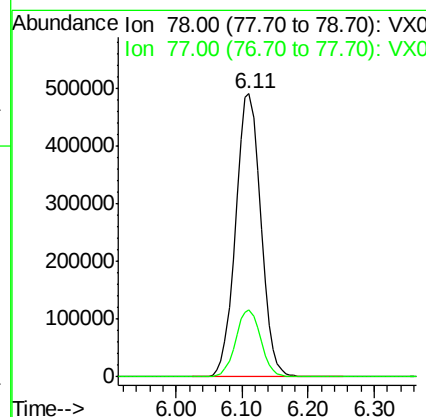
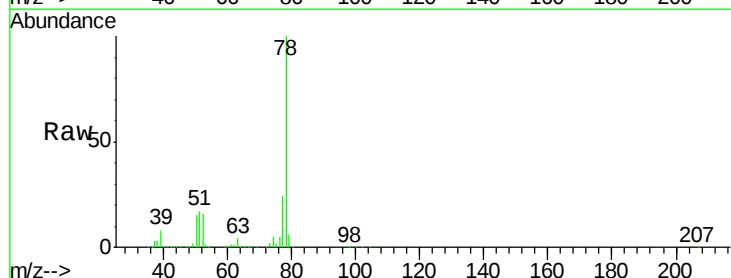
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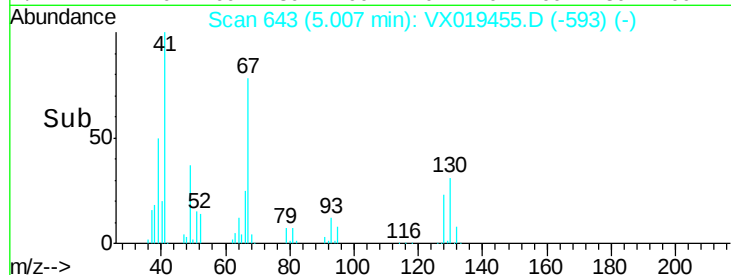
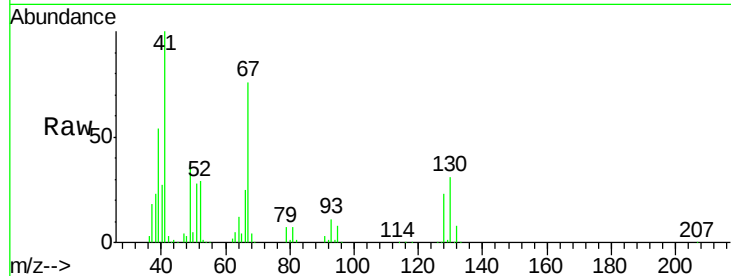
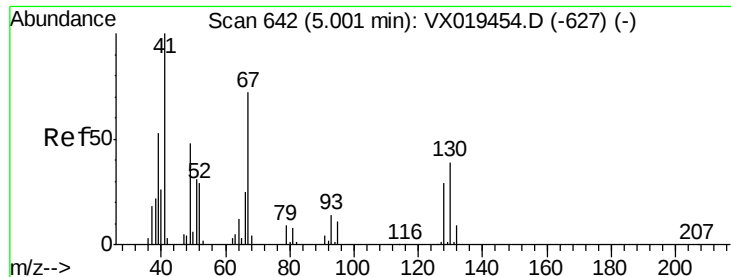
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#40
Benzene
Concen: 109.809 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0





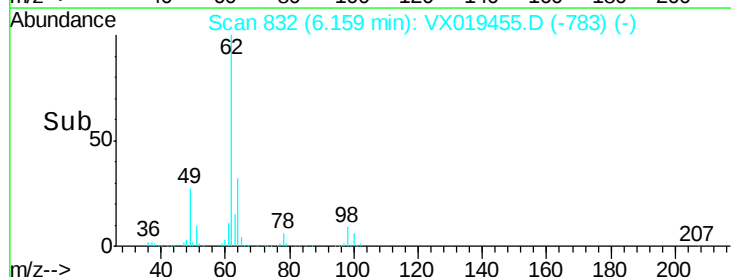
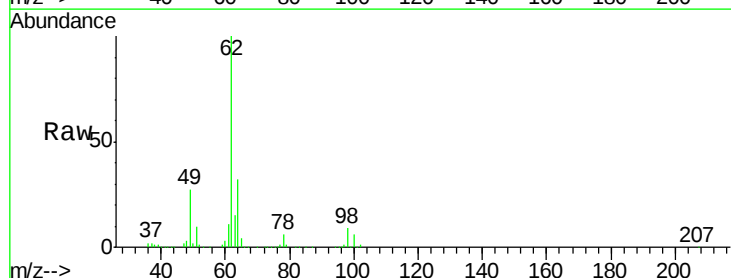
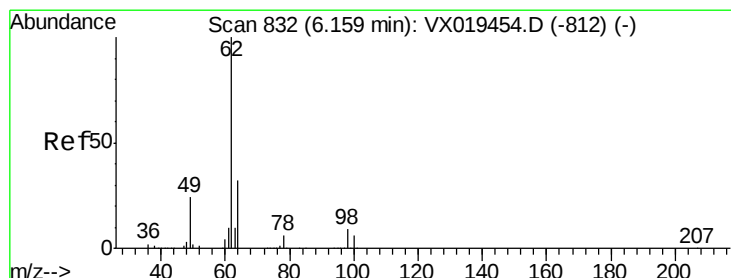
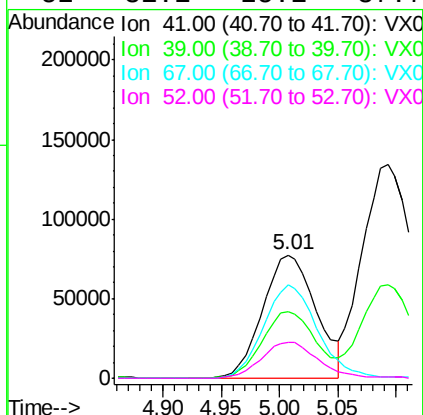
#41
Methacrylonitrile
Concen: 109.188 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		245786		
39	52.7	44.6	67.0		
67	76.8	60.6	91.0		
52	31.1	25.1	37.7		

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

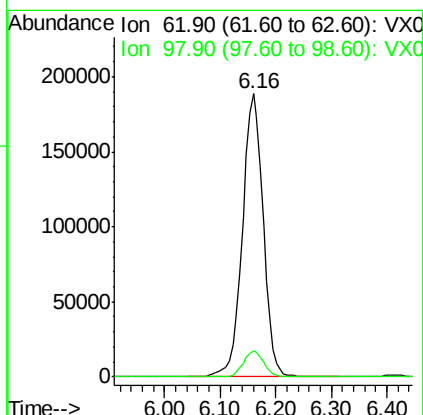
Manual Integrations
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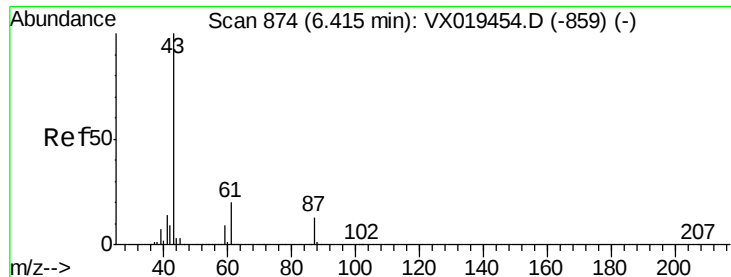
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#42
1,2-Dichloroethane
Concen: 107.336 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		486596		
98	9.1	0.0	17.8		





#43

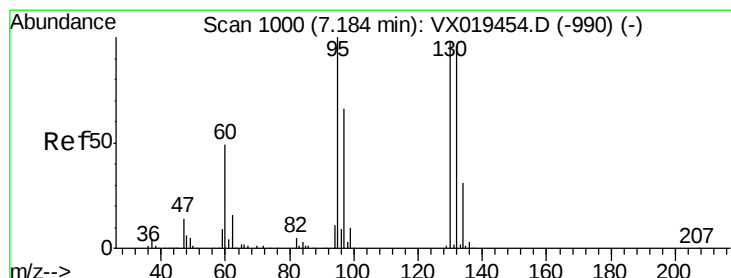
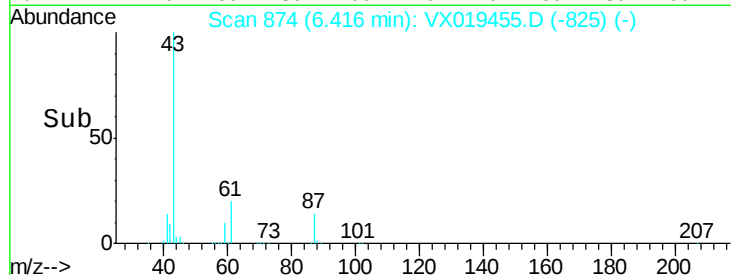
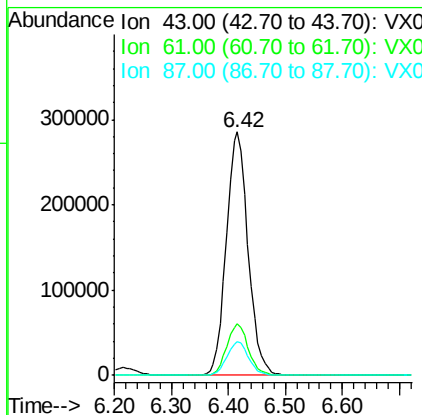
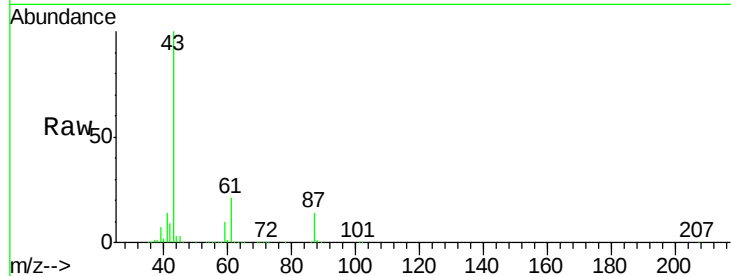
Isopropyl Acetate
 Concen: 112.463 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX019455.D
 Acq: 18 Nov 2020 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.2	24.4
87	13.7	10.7	16.1

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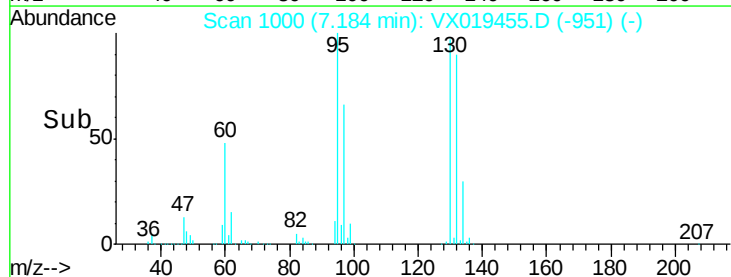
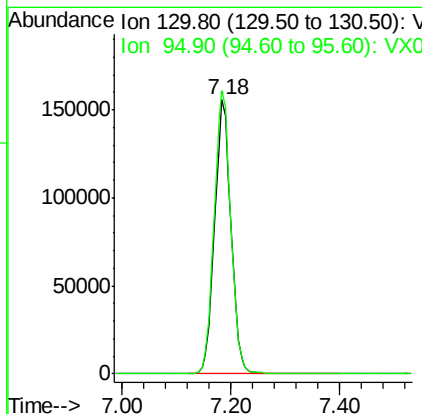
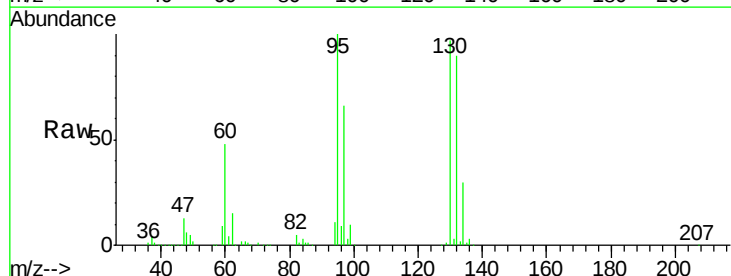
MMDadoda
 11/19/2020 11:58:13 AM

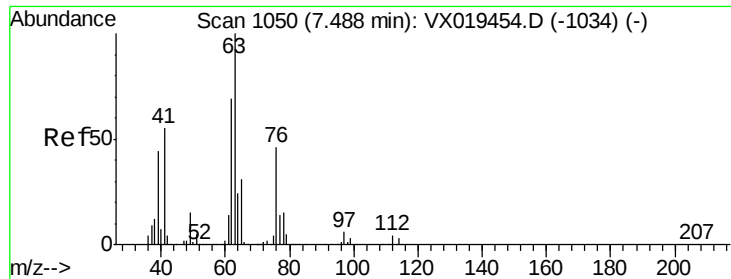


#44

Trichloroethene
 Concen: 109.371 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX019455.D
 Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	204.4





#45

1,2-Dichloropropane

Concen: 108.248 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 334002

Ion Ratio Lower Upper

63 100

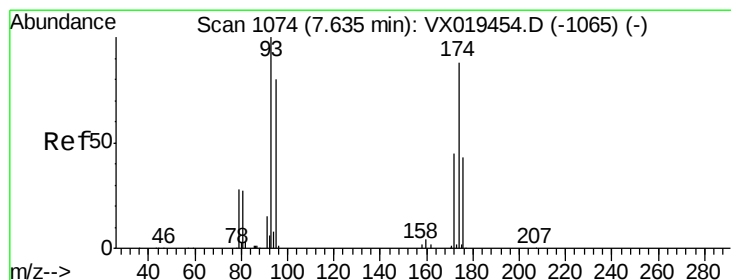
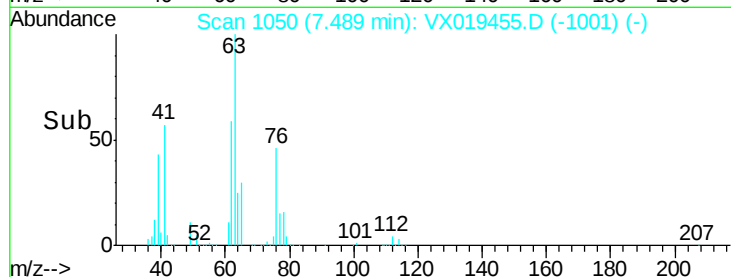
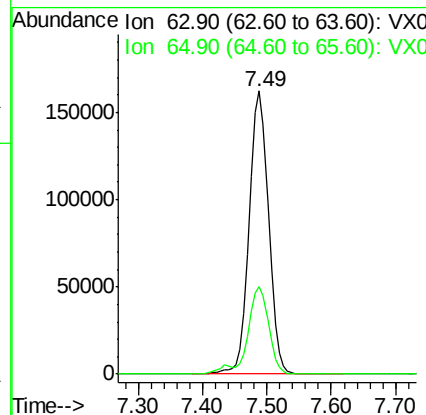
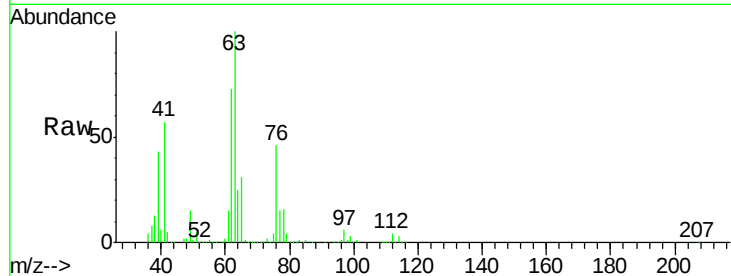
65 31.1 24.6 37.0

Manual Integrations

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11/19/2020 11:58:13 AM



#46

Dibromomethane

Concen: 112.325 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

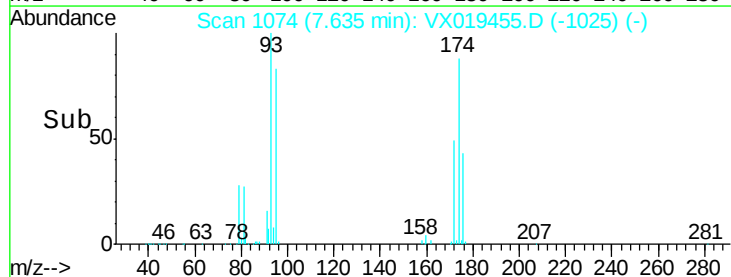
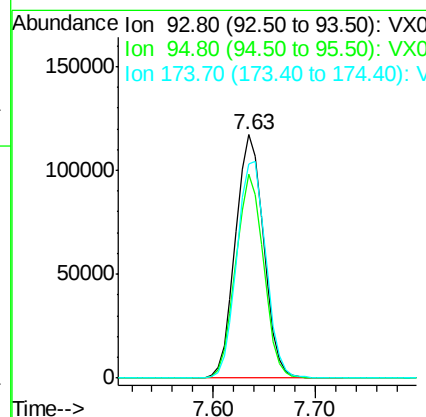
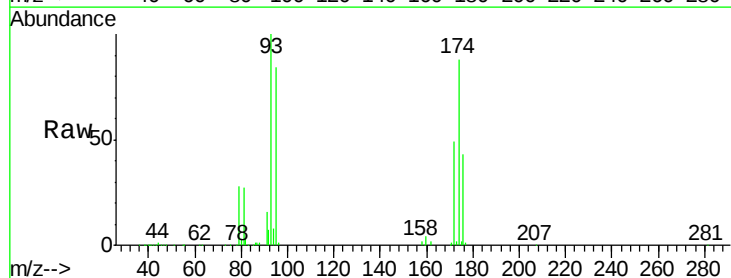
Tgt Ion: 93 Resp: 224802

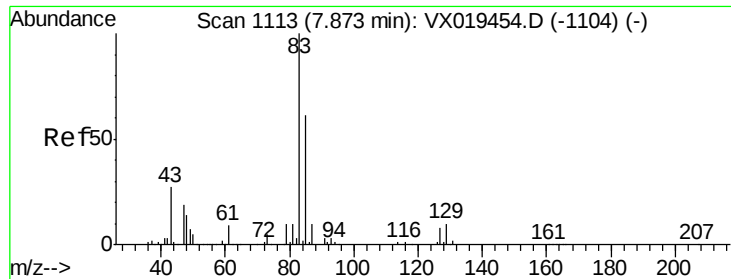
Ion Ratio Lower Upper

93 100

95 82.7 65.4 98.2

174 91.4 72.2 108.4





#47

Bromodichloromethane

Concen: 120.225 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

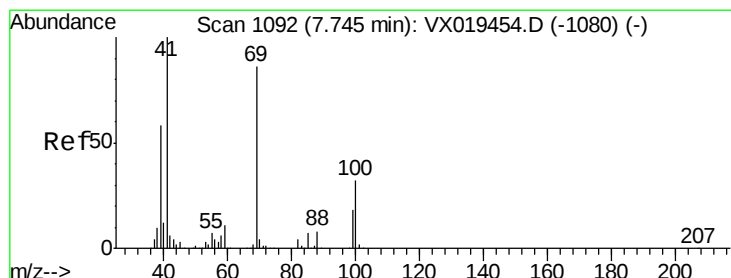
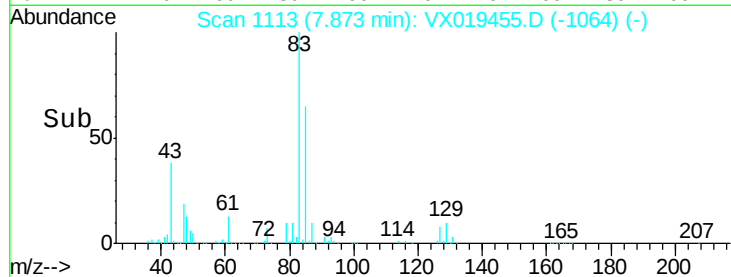
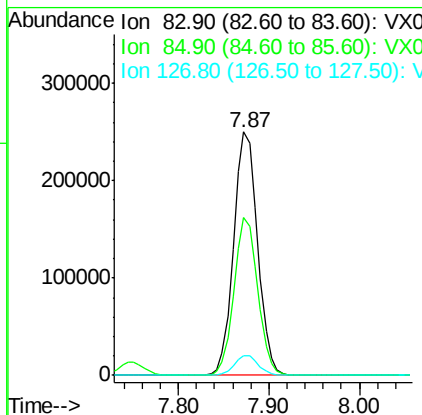
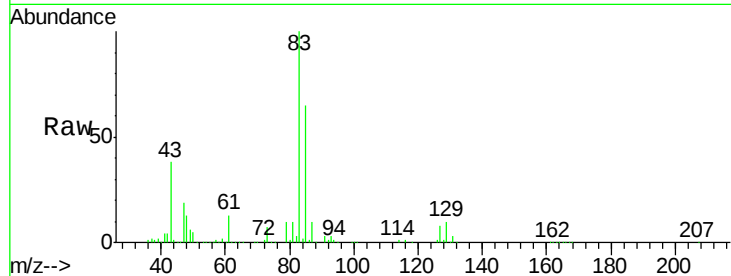
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	463496
Ion Ratio	Lower	Upper	
83	100		
85	65.0	49.0	73.4
127	7.8	6.3	9.5

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#48

Methyl methacrylate

Concen: 118.746 ug/l

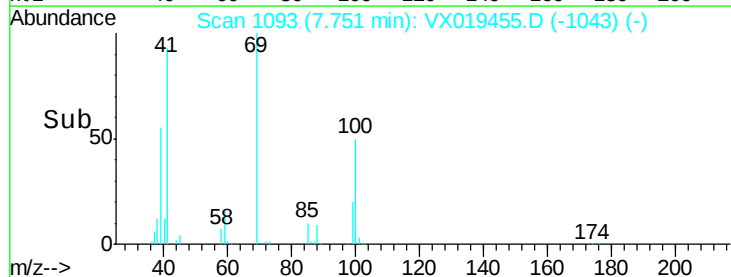
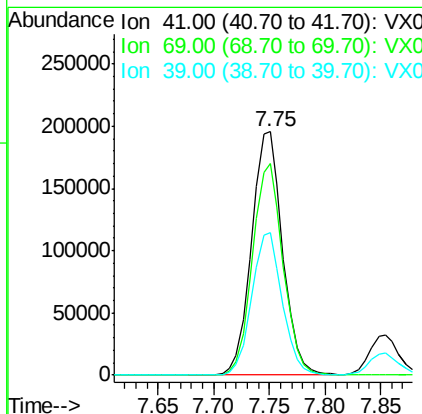
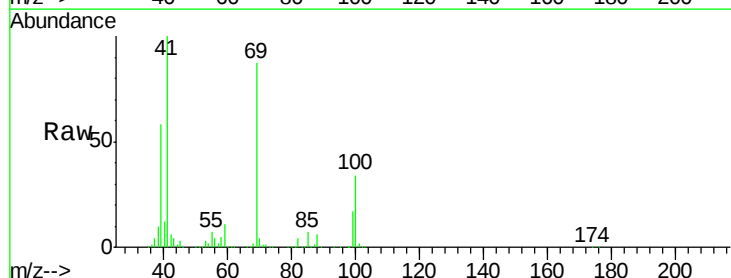
RT: 7.75 min Scan# 1093

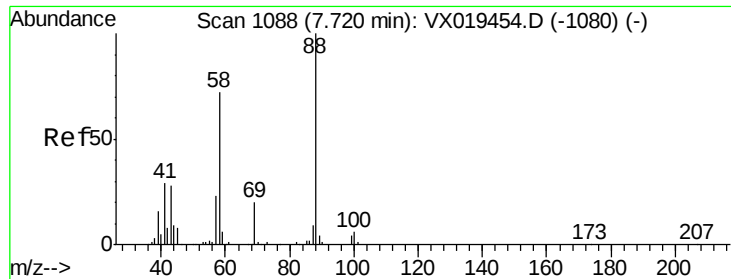
Delta R.T. 0.01 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Tgt Ion:	41	Resp:	379230
Ion Ratio	Lower	Upper	
41	100		
69	86.0	68.4	102.6
39	57.4	46.6	70.0





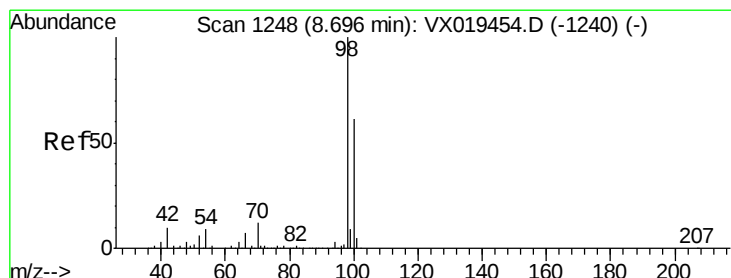
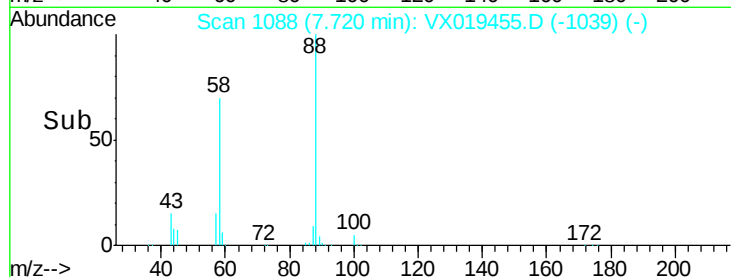
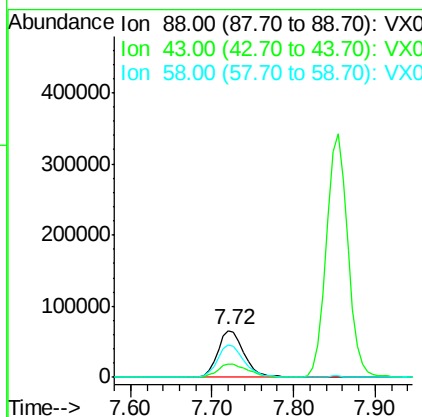
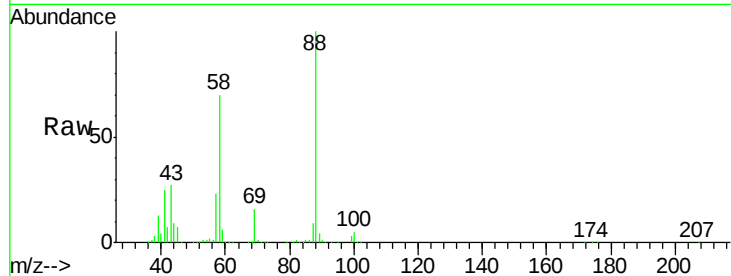
#49
1,4-Dioxane
Concen: 2301.862 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	25.9	38.9
58	71.3	56.6	84.8

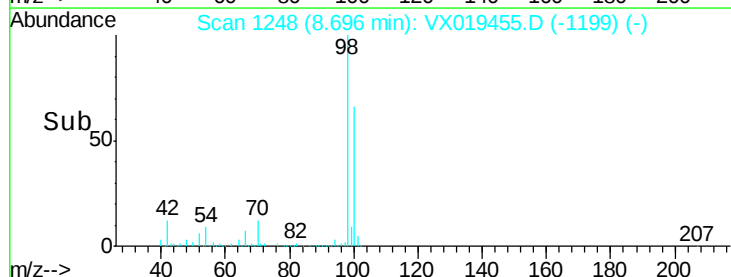
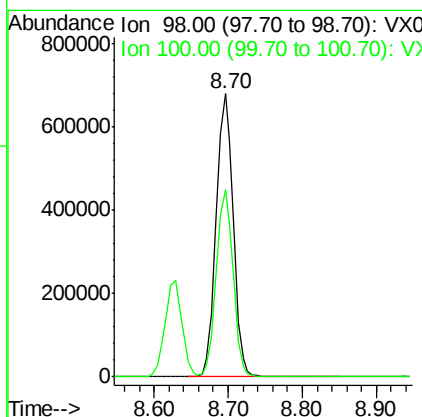
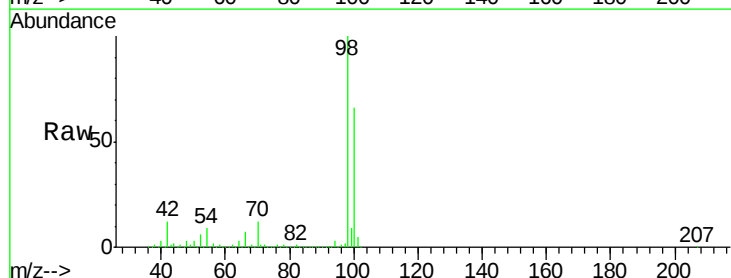
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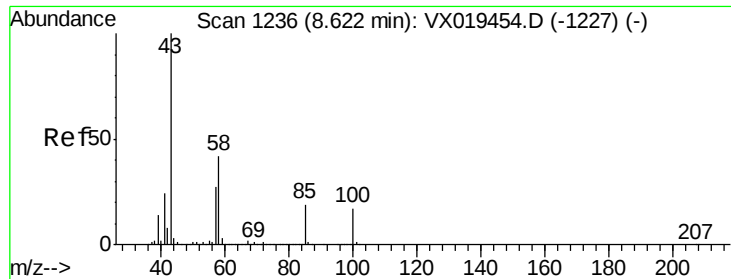
MMDadoda
11/19/2020 11:58:13 AM



#50
Toluene-d8
Concen: 104.050 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 561.584 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2259340

Ion Ratio Lower Upper

43 100

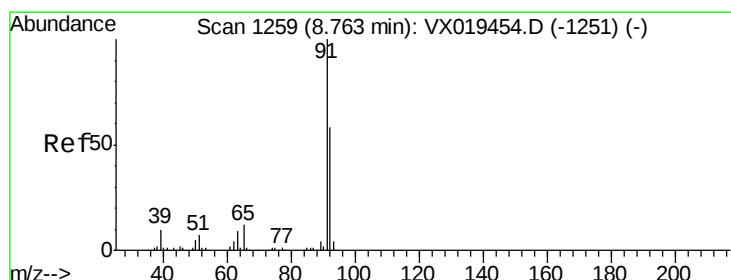
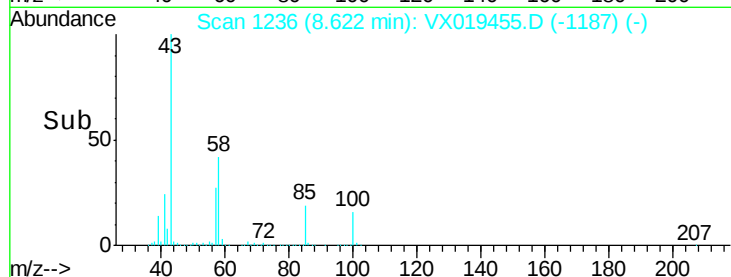
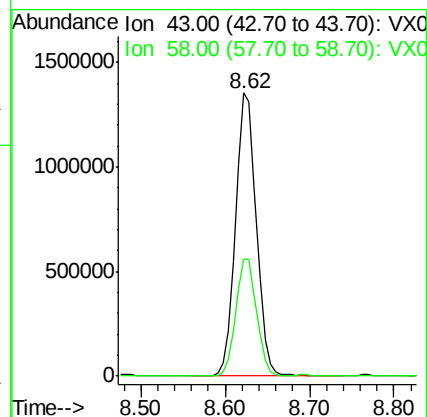
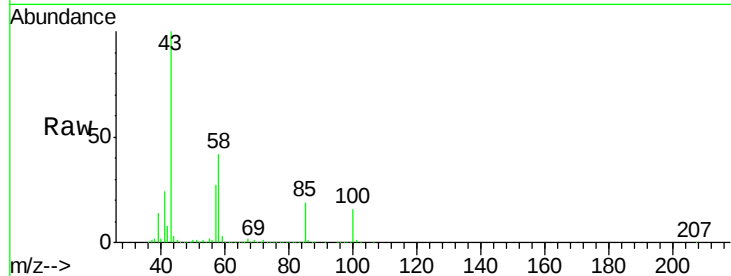
58 41.6 33.0 49.4

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#52

Toluene

Concen: 114.735 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019455.D

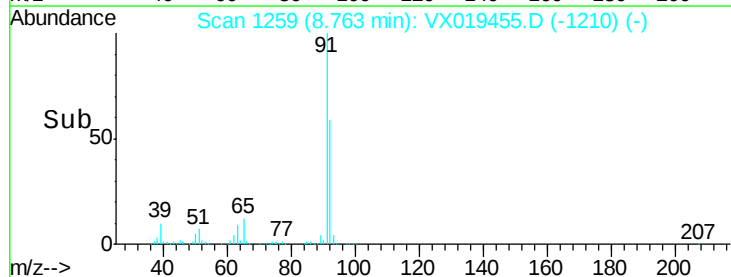
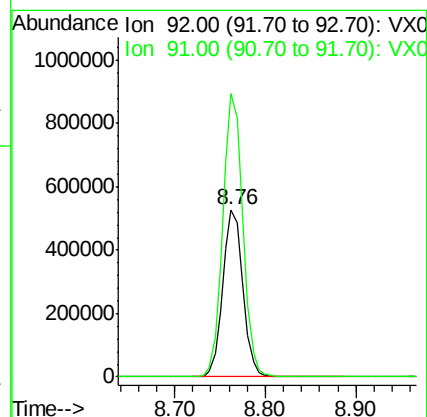
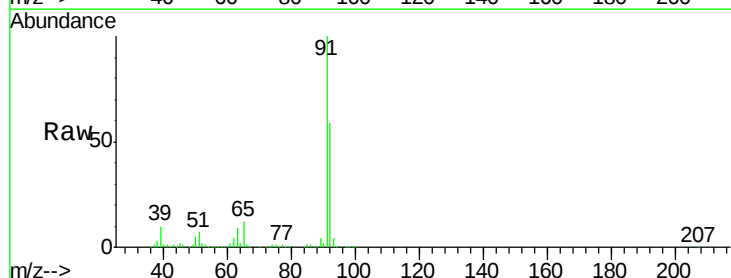
Acq: 18 Nov 2020 15:02

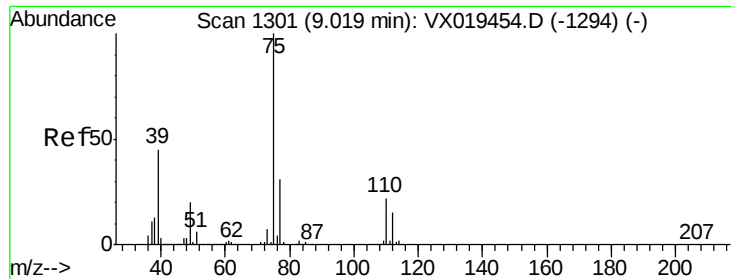
Tgt Ion: 92 Resp: 815521

Ion Ratio Lower Upper

92 100

91 169.3 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 127.538 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 520399

Ion Ratio Lower Upper

75 100

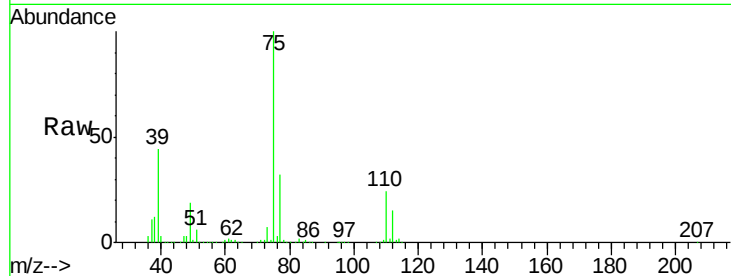
77 31.9 25.0 37.6

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

400000

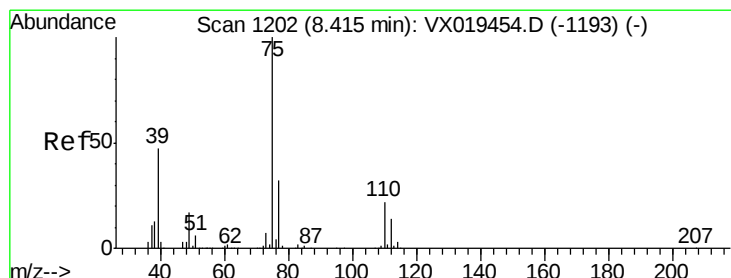
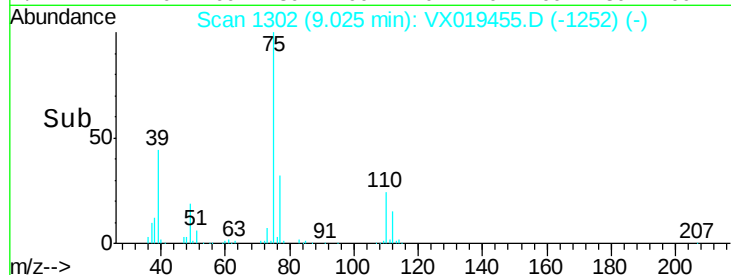
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 123.218 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

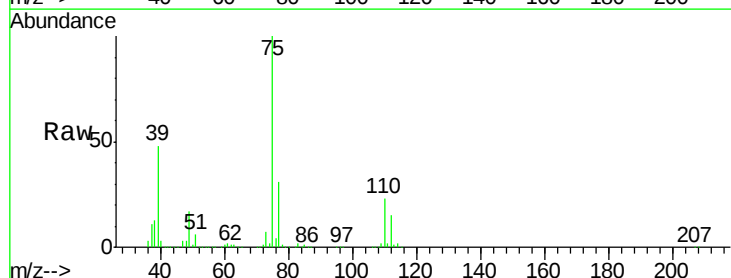
Tgt Ion: 75 Resp: 558408

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2

39 48.0 37.4 56.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

400000

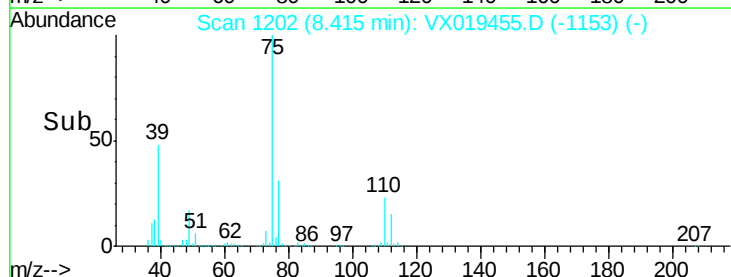
300000

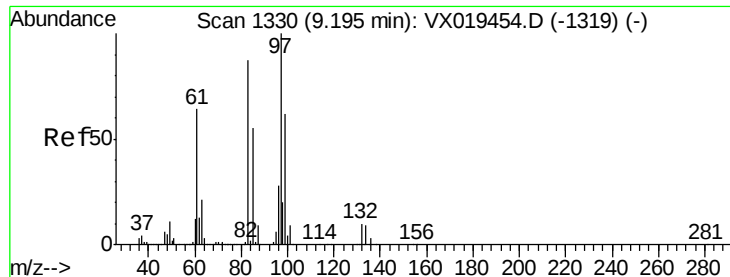
200000

100000

0

Time-->





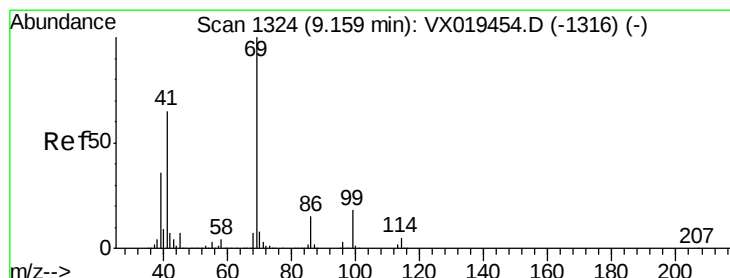
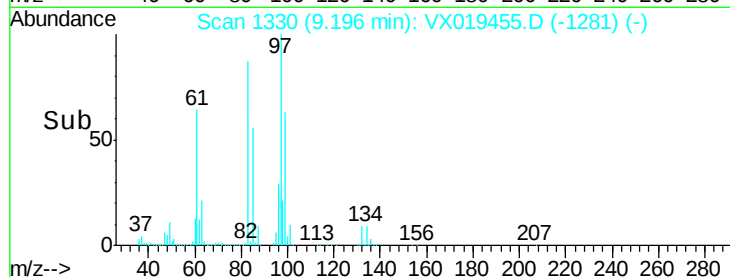
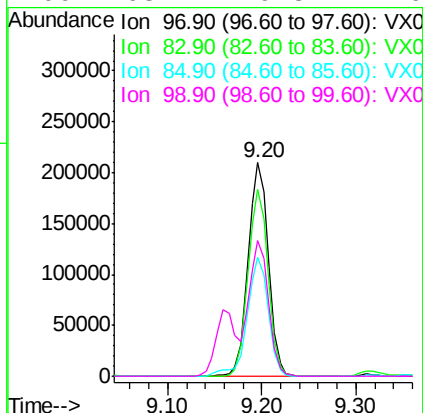
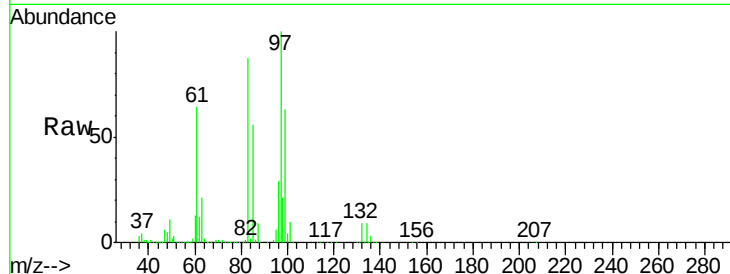
#55
 1,1,2-Trichloroethane
 Concen: 107.825 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019455.D
 Acq: 18 Nov 2020 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	316941
Ion Ratio	Lower	Upper	
97	100		
83	87.3	69.7	104.5
85	55.8	44.2	66.4
99	63.4	49.8	74.6

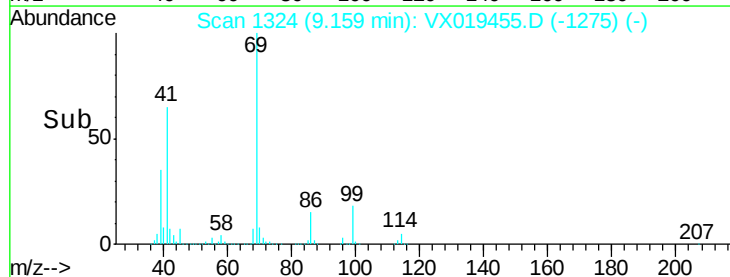
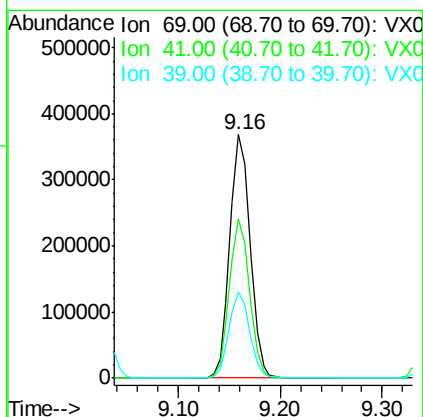
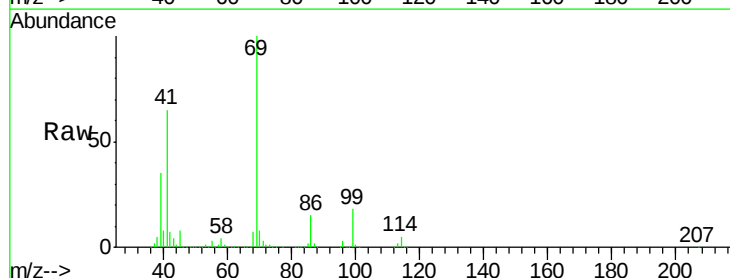
Manual Integrations
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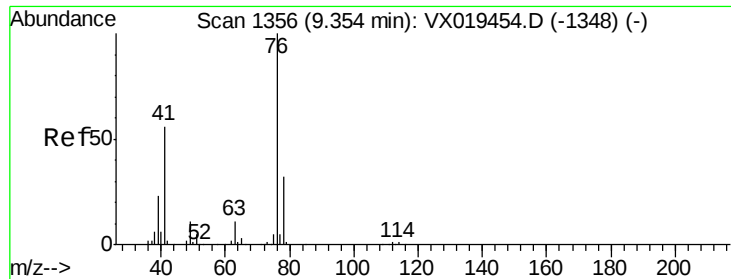
MMDadoda
 11/19/2020 11:58:13 AM



#56
 Ethyl methacrylate
 Concen: 128.519 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX019455.D
 Acq: 18 Nov 2020 15:02

Tgt Ion:	69	Resp:	508290
Ion Ratio	Lower	Upper	
69	100		
41	64.4	52.1	78.1
39	35.6	29.5	44.3





#57

1,3-Dichloropropane

Concen: 108.342 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 553221

Ion Ratio Lower Upper

76 100

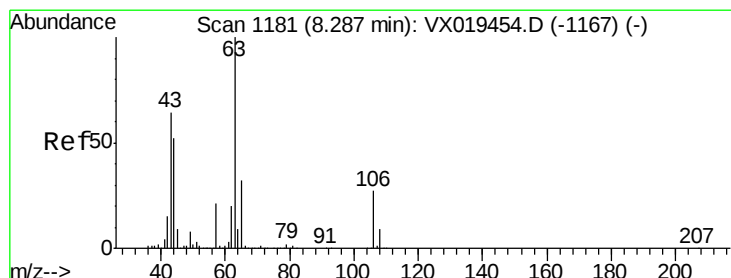
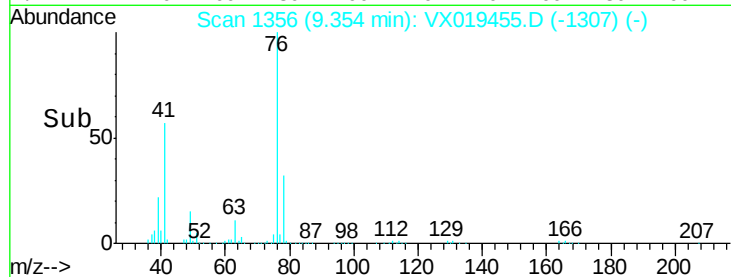
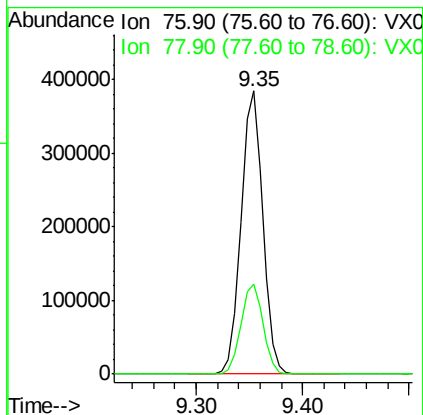
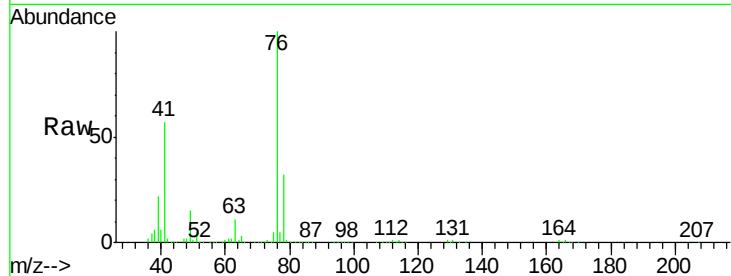
78 32.2 26.1 39.1

Manual Integrations

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11/19/2020 11:58:13 AM



#58

2-Chloroethyl Vinyl ether

Concen: 590.699 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VX019455.D

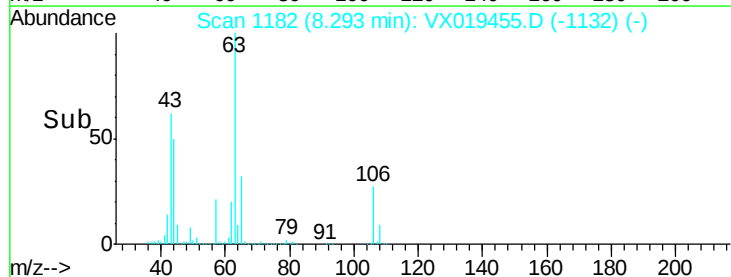
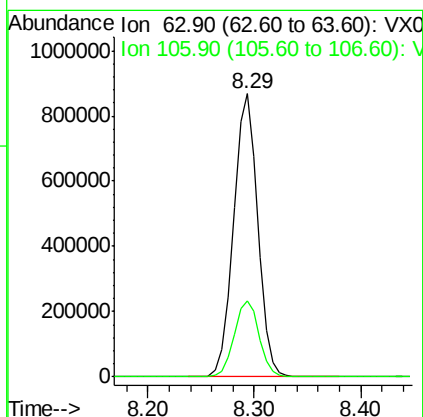
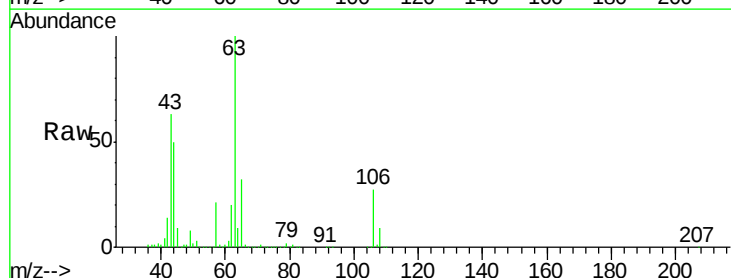
Acq: 18 Nov 2020 15:02

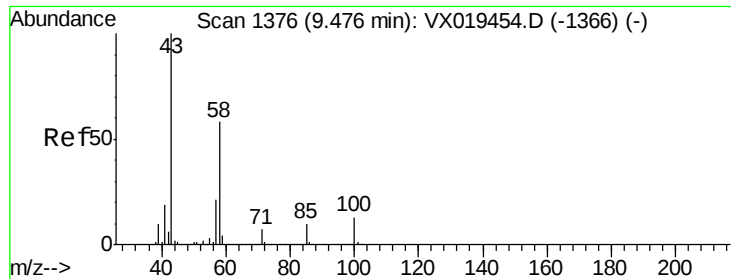
Tgt Ion: 63 Resp: 1378056

Ion Ratio Lower Upper

63 100

106 27.6 22.2 33.2





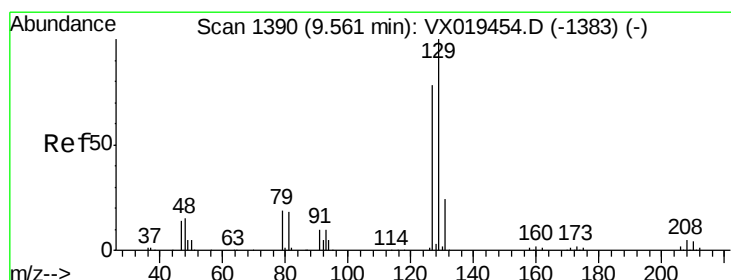
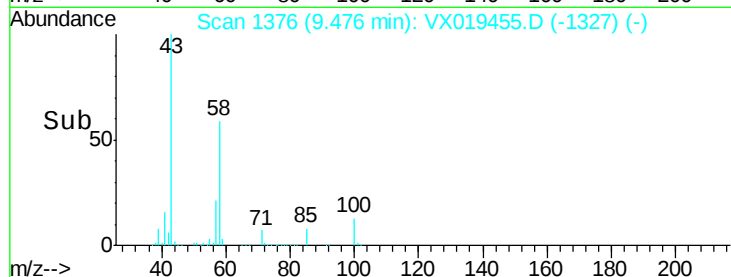
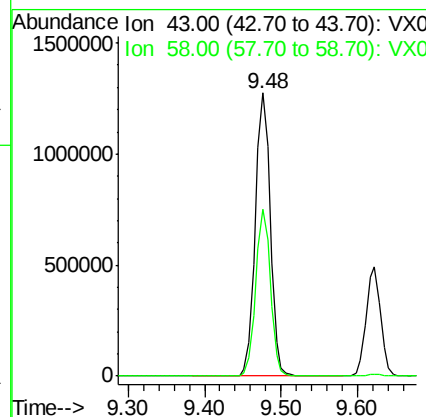
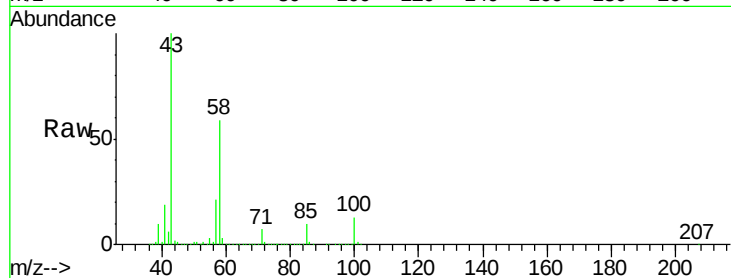
#59
2-Hexanone
Concen: 577.170 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1742302
Ion Ratio Lower Upper
43 100
58 58.0 28.8 86.5

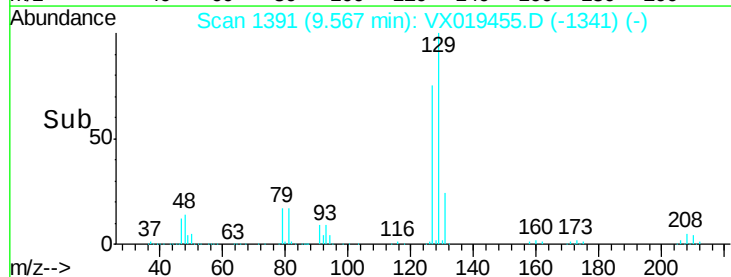
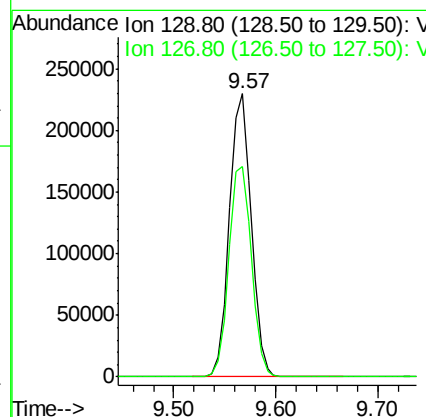
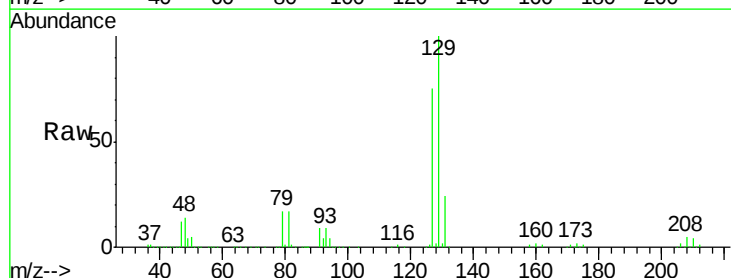
Manual Integrations
APPROVED

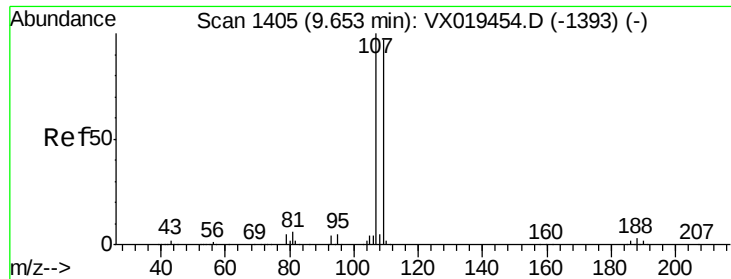
MMDadoda
11/19/2020 11:58:13 AM



#60
Dibromochloromethane
Concen: 127.929 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.01 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion: 129 Resp: 339697
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.4





#61

1,2-Dibromoethane

Concen: 111.306 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 335646

Ion Ratio Lower Upper

107 100

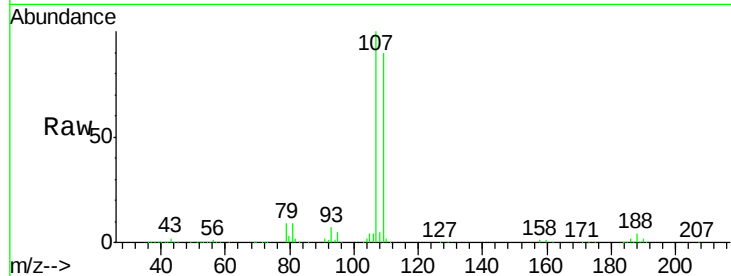
109 92.8 75.5 113.3

Manual Integrations

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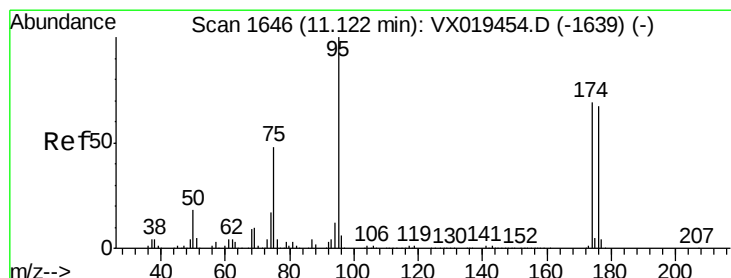
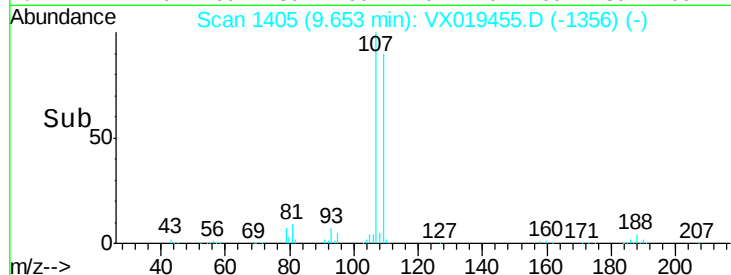
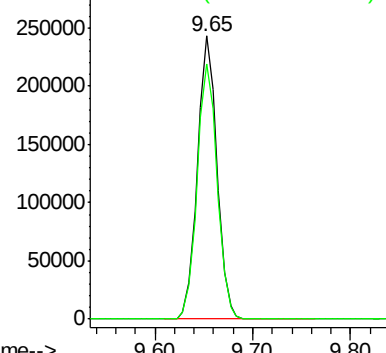
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 106.822 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

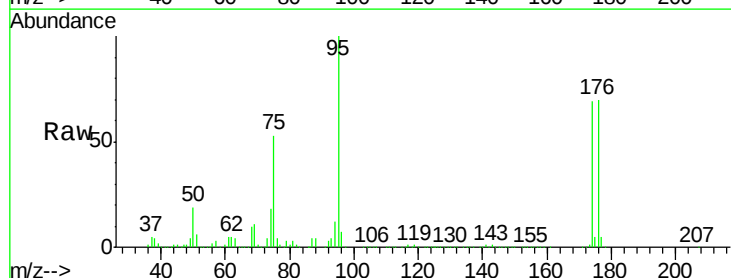
Tgt Ion: 95 Resp: 395253

Ion Ratio Lower Upper

95 100

174 70.7 0.0 141.4

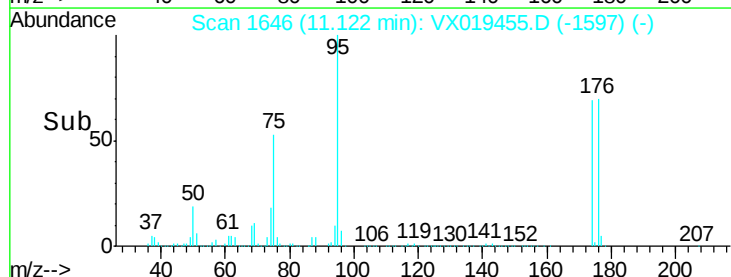
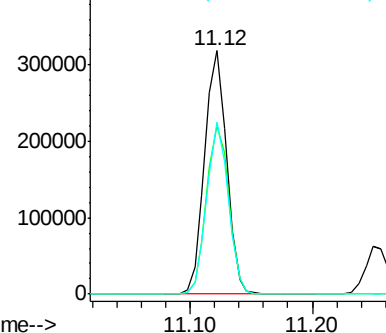
176 68.8 0.0 137.6

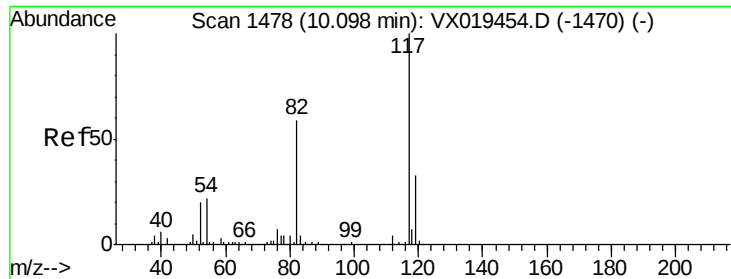


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





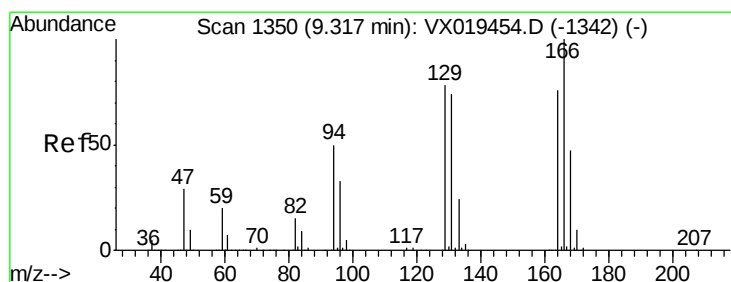
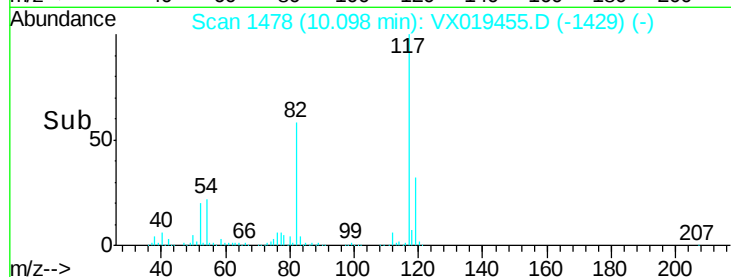
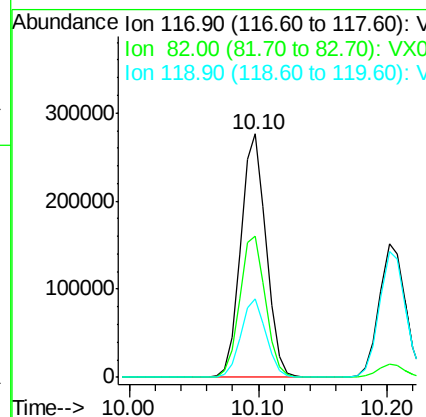
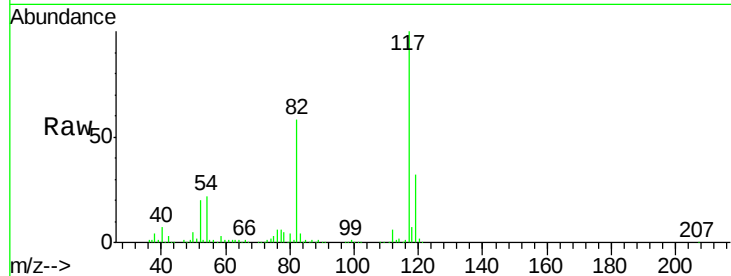
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	375912		
82	57.9		47.4	71.2
119	32.5		26.3	39.5

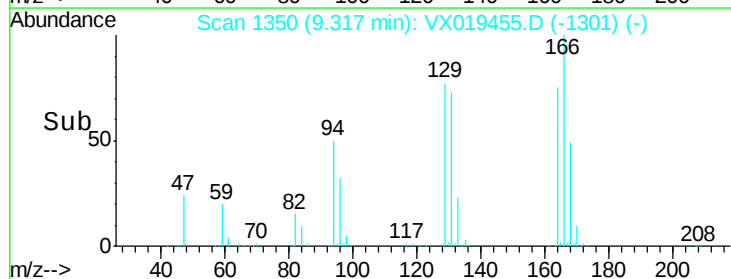
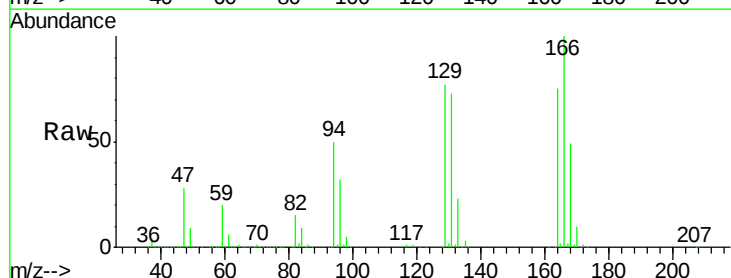
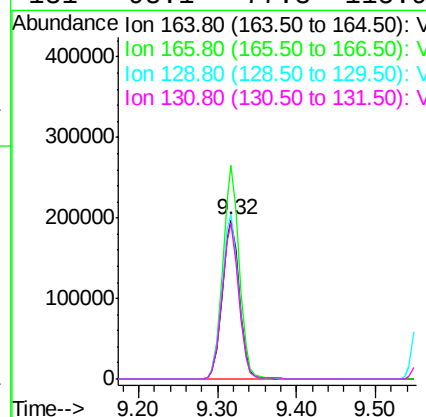
Manual Integrations
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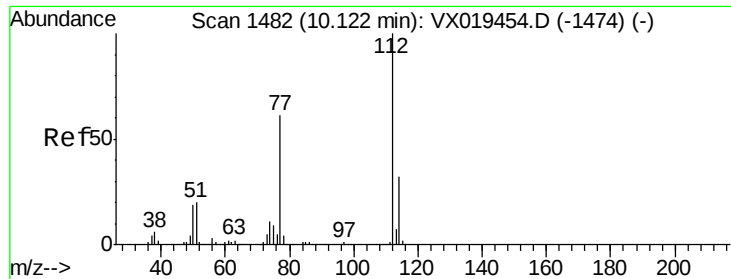
MMDadoda
11/19/2020 11:58:13 AM



#64
Tetrachloroethene
Concen: 100.277 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	295785		
166	134.1		104.6	157.0
129	103.9		81.4	122.2
131	98.1		77.3	115.9





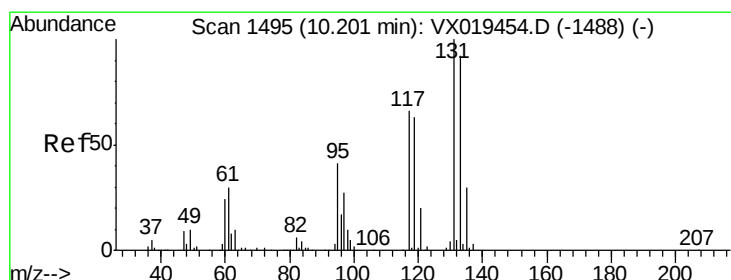
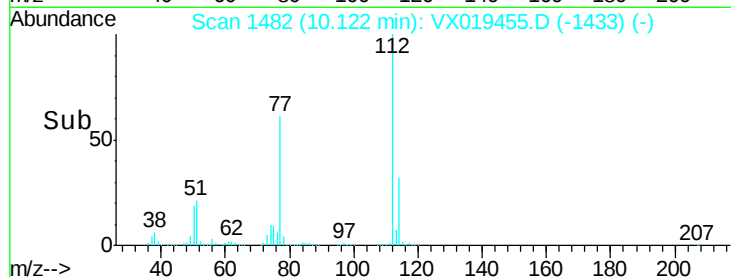
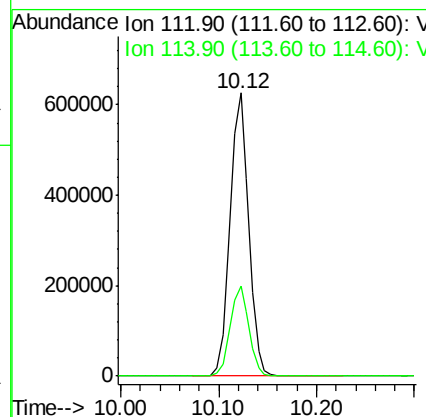
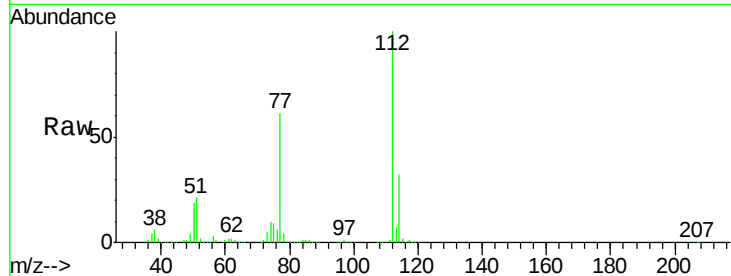
#65
Chlorobenzene
Concen: 110.453 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.5	38.3

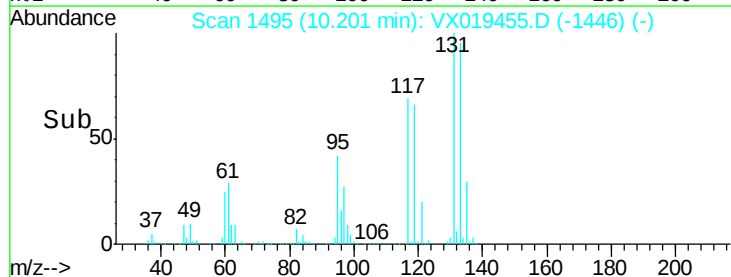
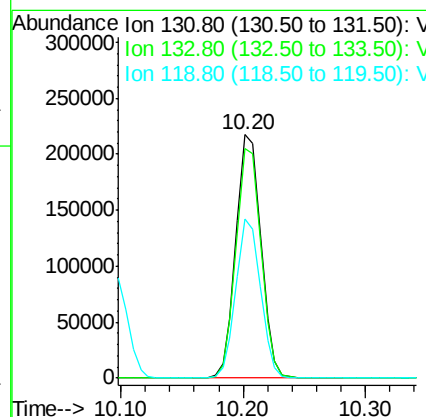
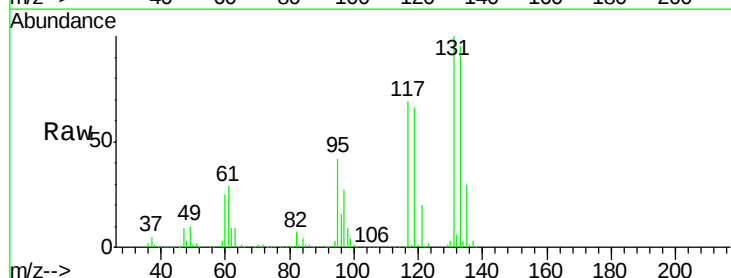
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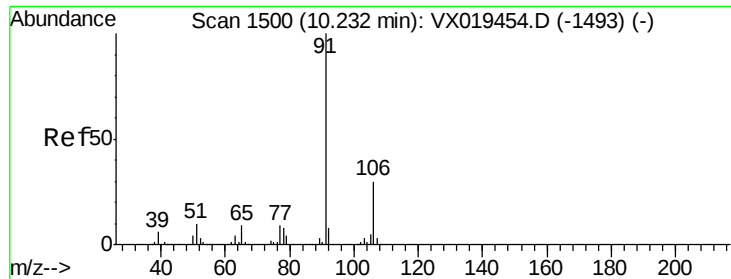
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11/19/2020 11:58:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 120.627 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	46.2	138.5
119	64.5	32.1	96.3





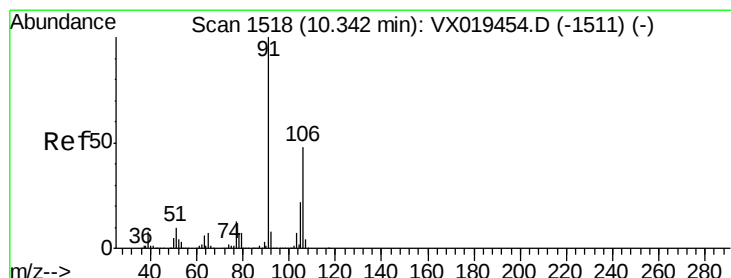
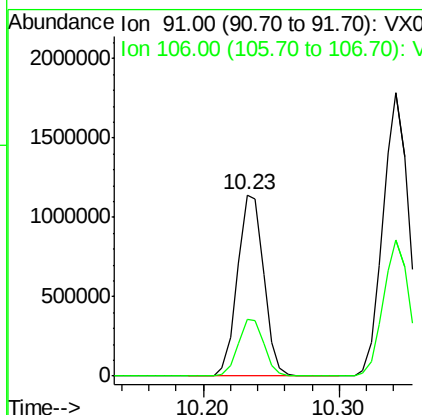
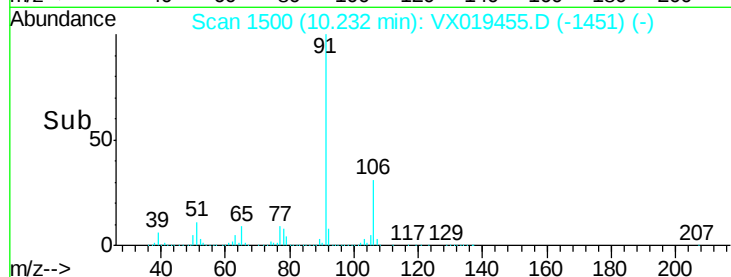
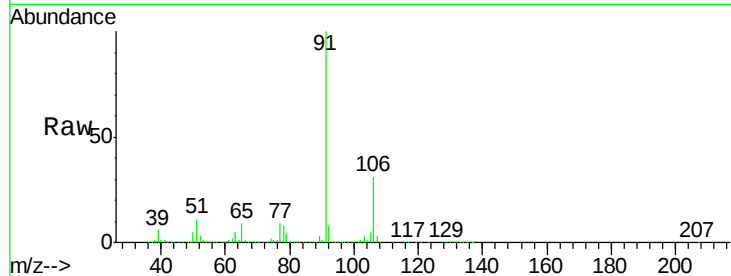
#67
Ethyl Benzene
Concen: 116.181 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1537404
Ion Ratio Lower Upper
91 100
106 31.1 23.8 35.6

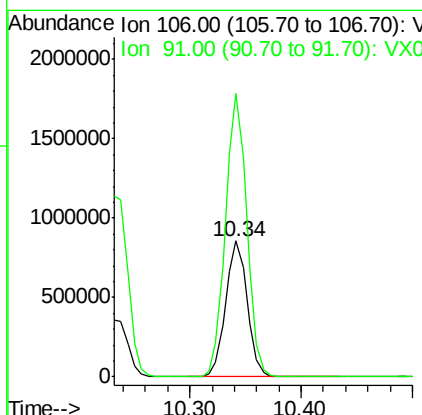
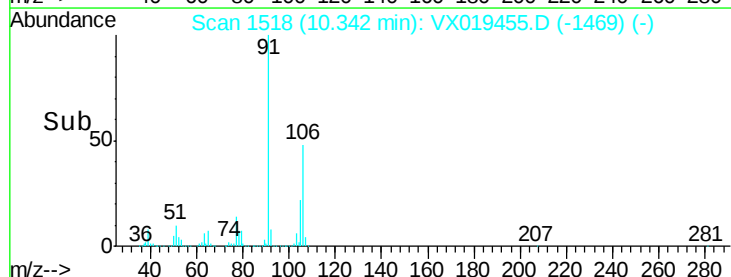
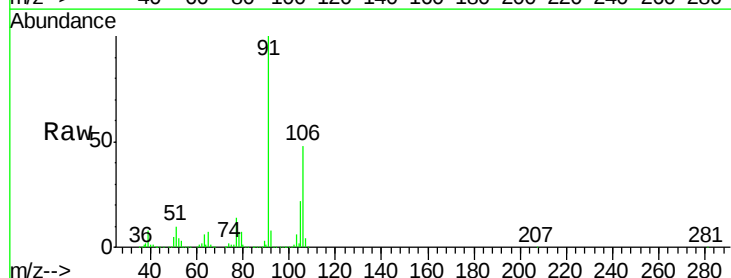
Manual Integrations
APPROVED

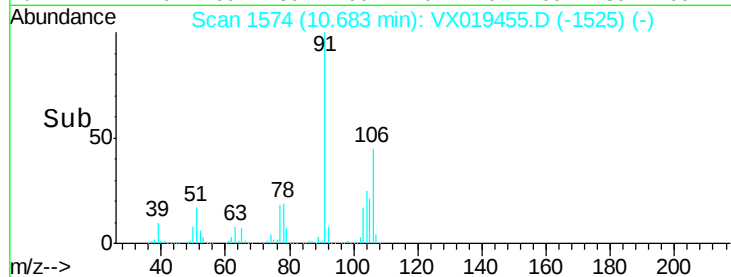
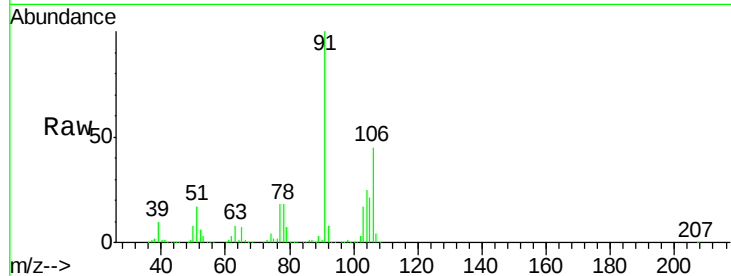
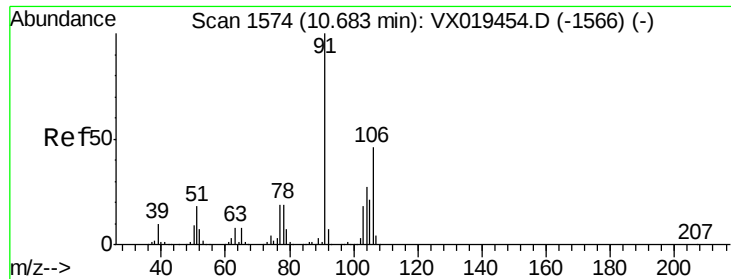
MMDadoda
11/19/2020 11:58:13 AM



#68
m/p-Xylenes
Concen: 238.002 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion: 106 Resp: 1139307
Ion Ratio Lower Upper
106 100
91 207.9 167.2 250.8





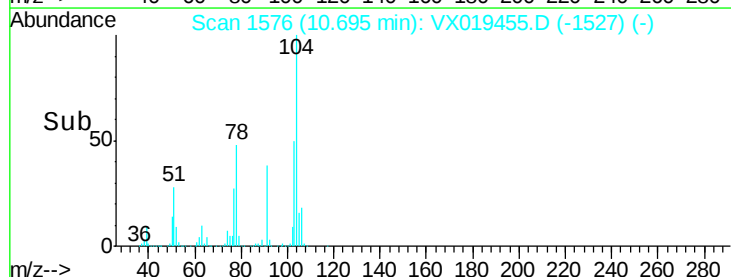
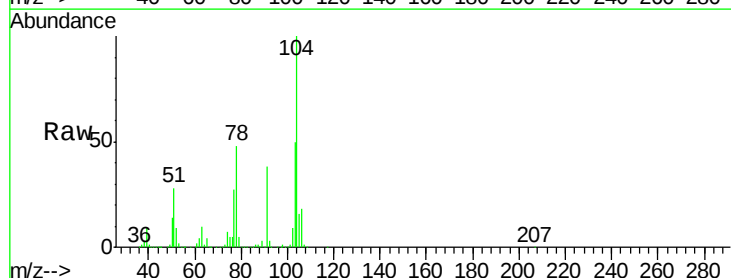
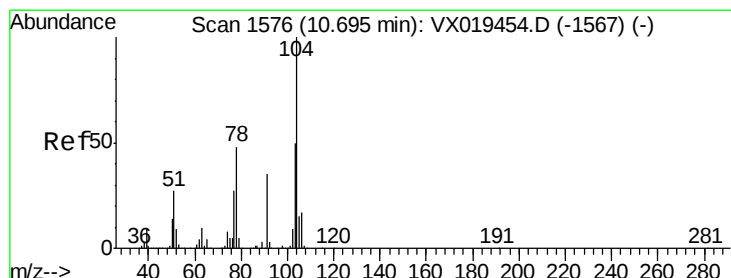
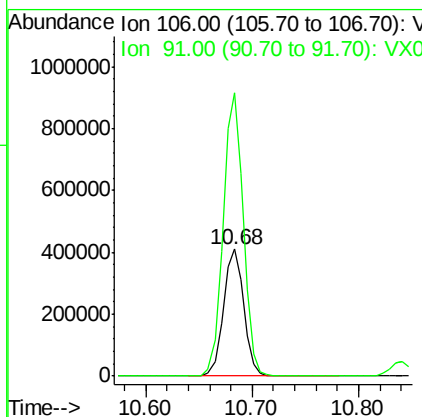
#69
o-Xylene
Concen: 120.111 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	544295		
91	220.8	109.6	328.6	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

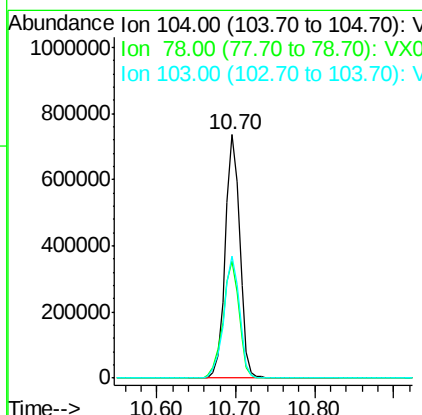
Manual Integrations
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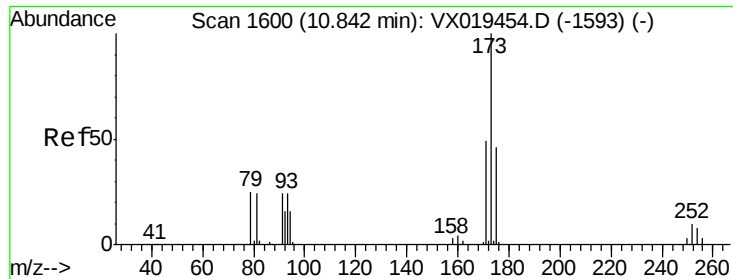
MMDadoda
11/19/2020 11:58:13 AM



#70
Styrene
Concen: 125.439 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	940503		
78	53.1	42.7	64.1	
103	54.0	43.2	64.8	





#71

Bromoform

Concen: 134.070 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 229075

Ion Ratio Lower Upper

173 100

175 49.5 23.9 71.7

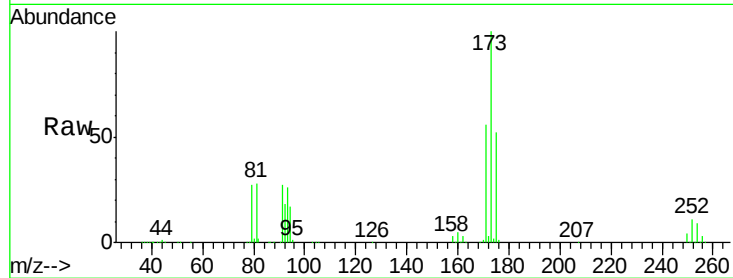
254 0.1 0.1 0.1

Manual Integrations

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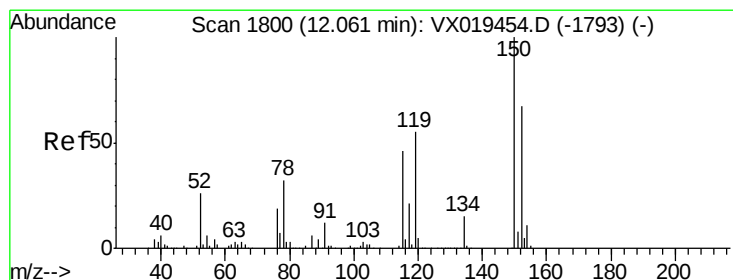
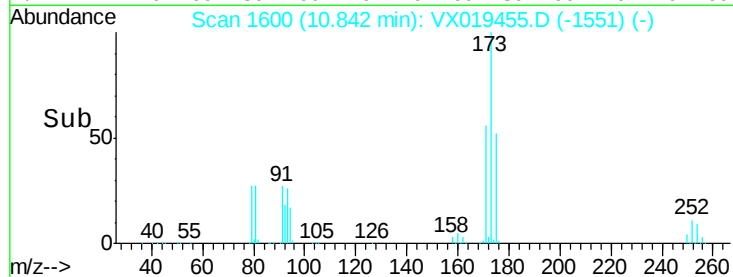
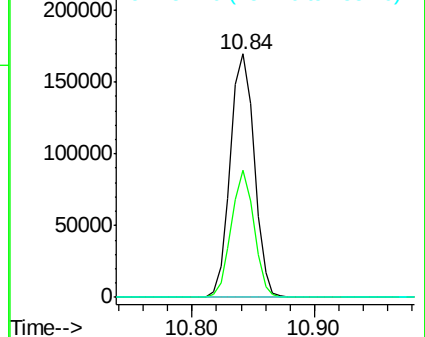
11/19/2020 11:58:13 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

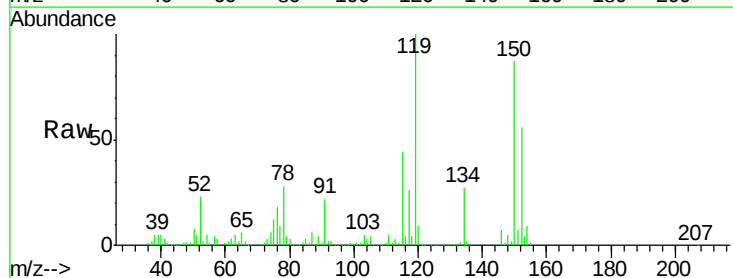
Tgt Ion:152 Resp: 187358

Ion Ratio Lower Upper

152 100

115 118.3 44.9 134.7

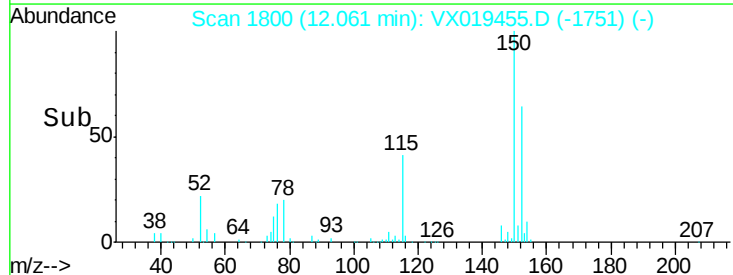
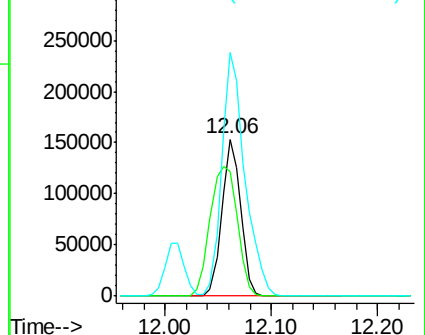
150 191.5 0.0 344.4

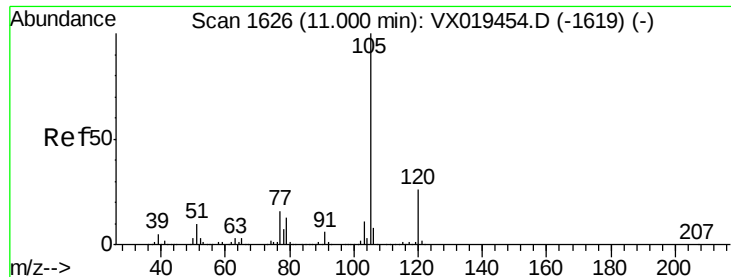


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 113.073 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1476065

Ion Ratio Lower Upper

105 100

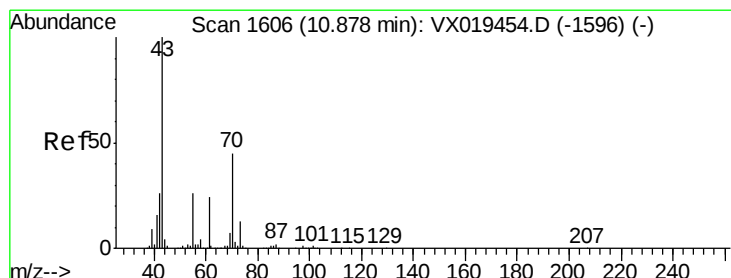
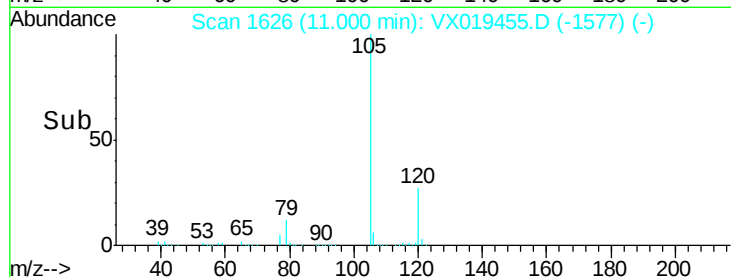
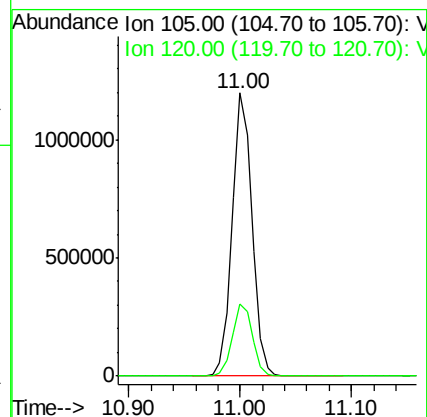
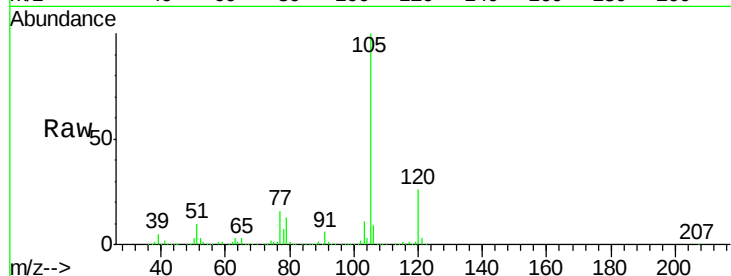
120 25.8 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 125.881 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Tgt Ion: 43 Resp: 661731

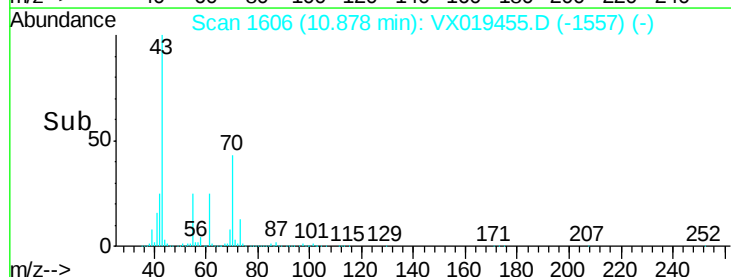
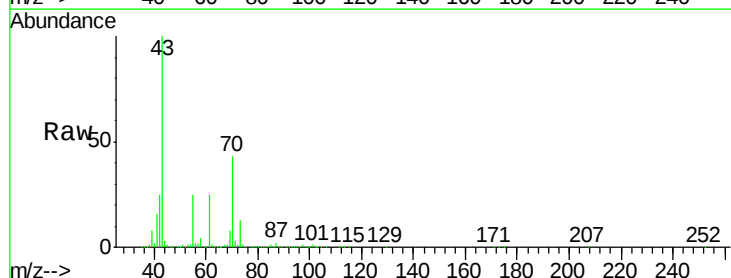
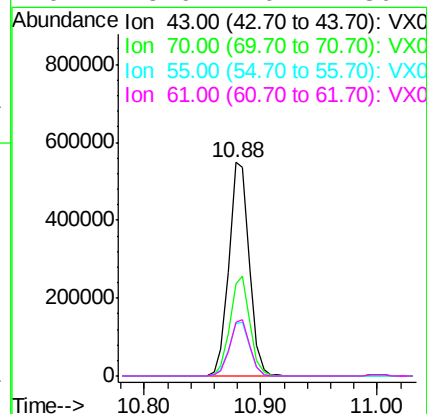
Ion Ratio Lower Upper

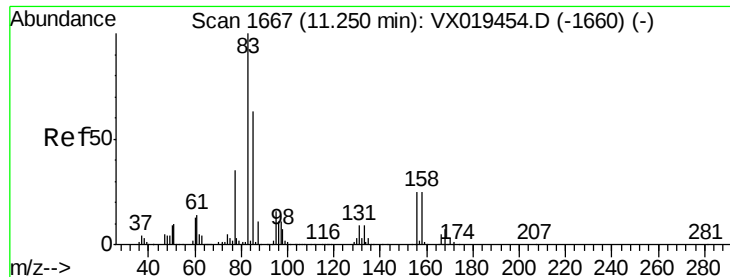
43 100

70 45.4 36.8 55.2

55 25.6 21.0 31.4

61 25.9 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 111.644 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 505270

Ion Ratio Lower Upper

83 100

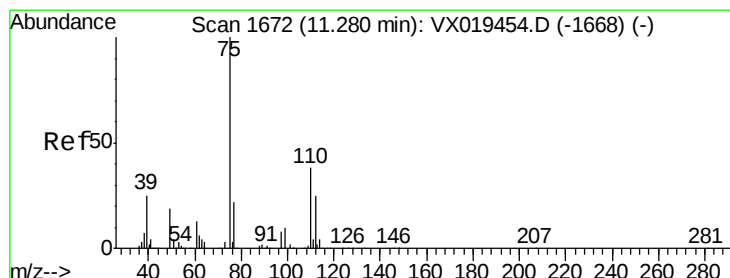
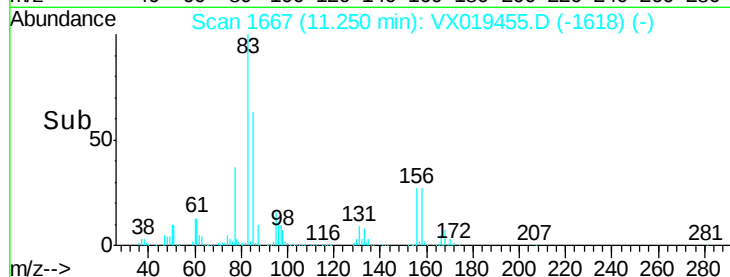
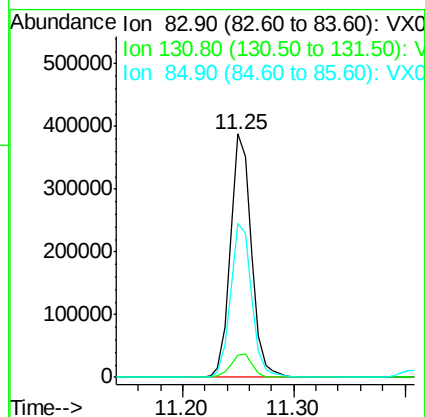
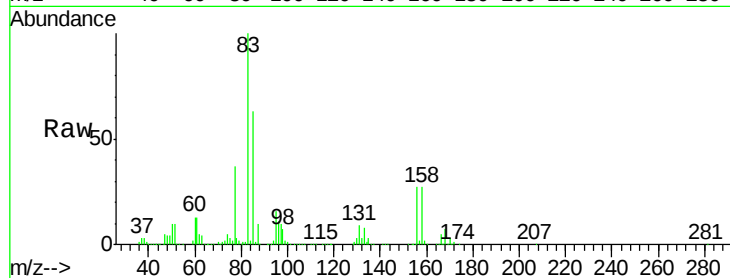
131 9.7 4.6 13.8

85 63.9 31.9 95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 90.875 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019455.D

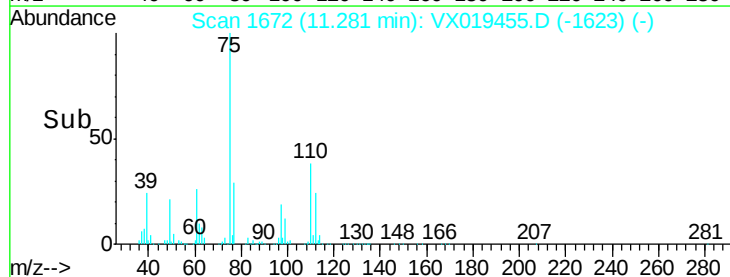
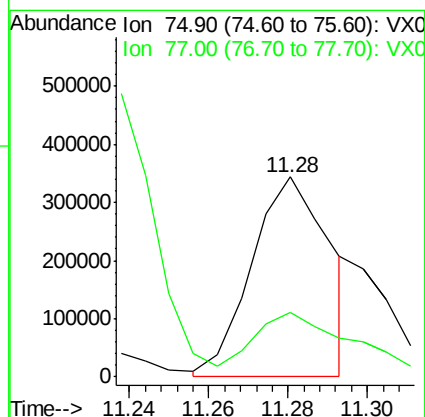
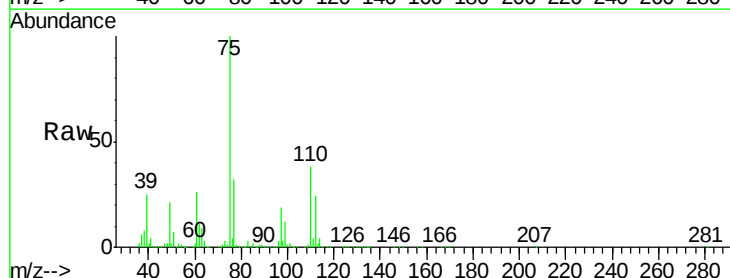
Acq: 18 Nov 2020 15:02

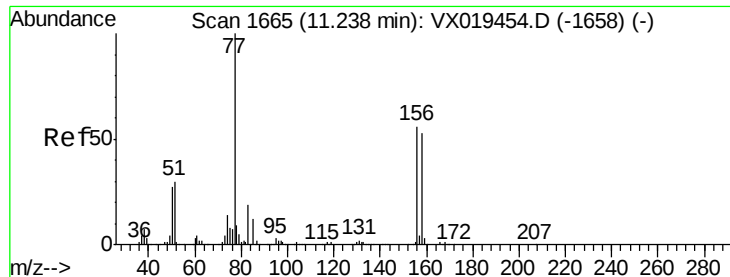
Tgt Ion: 75 Resp: 467482

Ion Ratio Lower Upper

75 100

77 41.2 20.0 59.9





#77

Bromobenzene

Concen: 111.976 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 345227

Ion Ratio Lower Upper

156 100

77 178.0 91.3 274.1

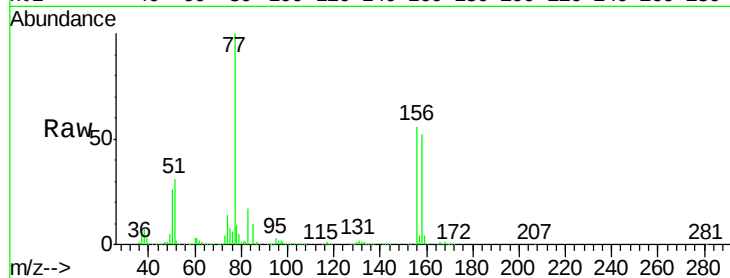
158 94.9 48.3 144.9

Manual Integrations

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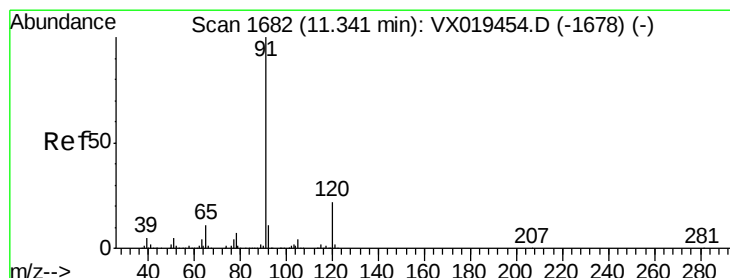
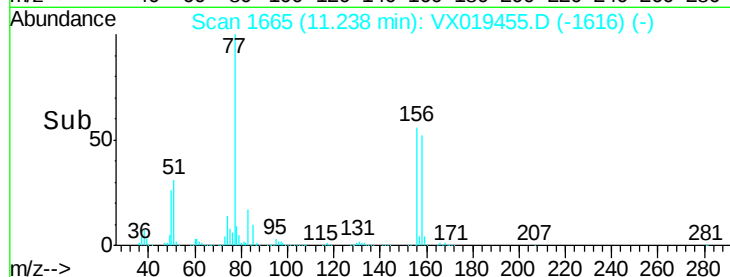
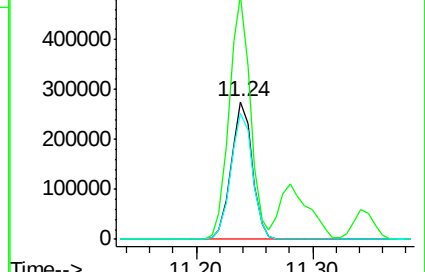
11/19/2020 11:58:13 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 116.131 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019455.D

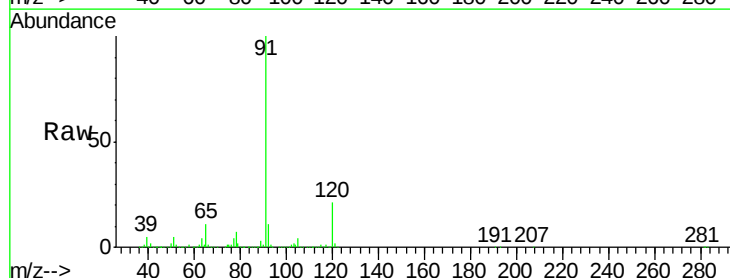
Acq: 18 Nov 2020 15:02

Tgt Ion: 91 Resp: 1732332

Ion Ratio Lower Upper

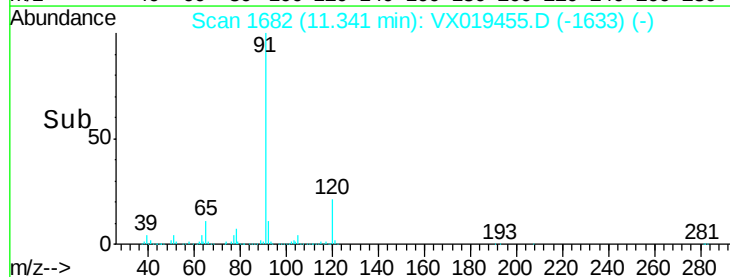
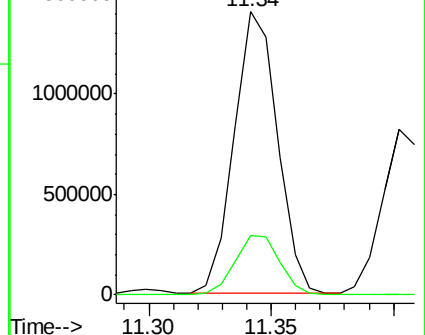
91 100

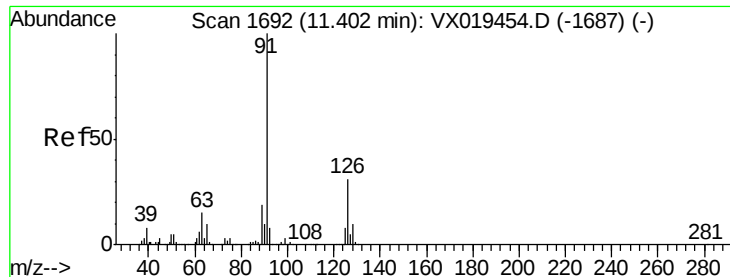
120 22.1 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 113.371 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1038135

Ion Ratio Lower Upper

91 100

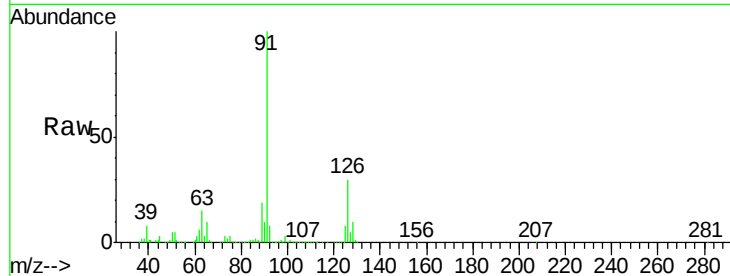
126 31.8 15.6 46.8

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11/19/2020 11:58:13 AM



Abundance Ion 91.00 (90.70 to 91.70): VX019454.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX019454.D (-1687) (-)

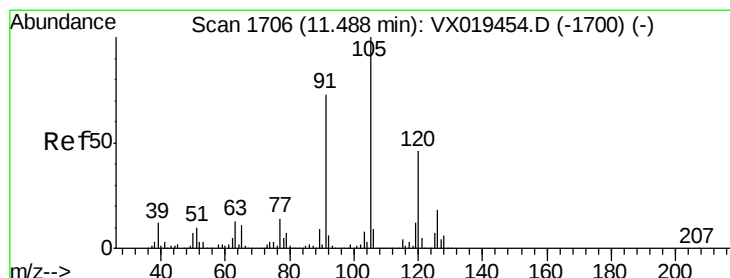
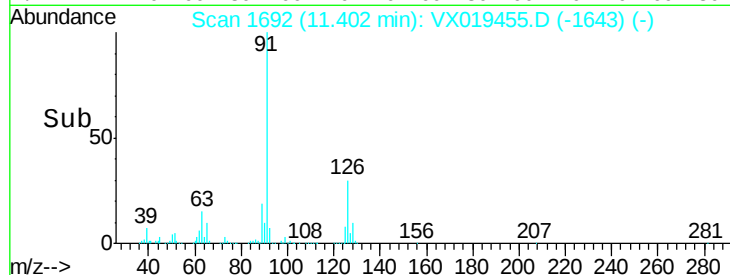
1500000

1000000

500000

0

11.35 11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 116.964 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019455.D

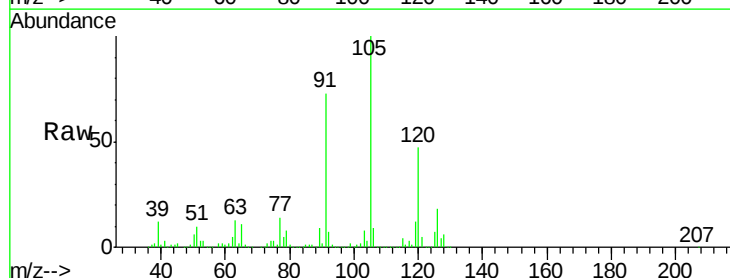
Acq: 18 Nov 2020 15:02

Tgt Ion: 105 Resp: 1285378

Ion Ratio Lower Upper

105 100

120 46.8 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VX019454.D (-1700) (-)

Ion 120.00 (119.70 to 120.70): VX019454.D (-1700) (-)

1200000

1000000

800000

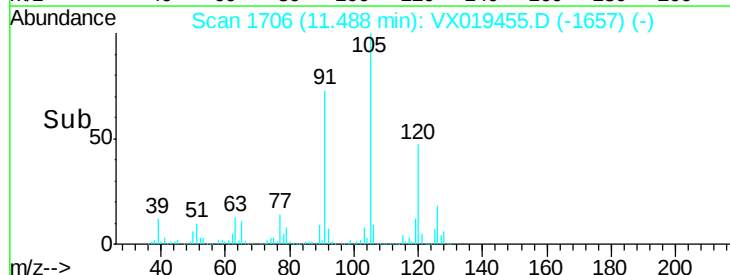
600000

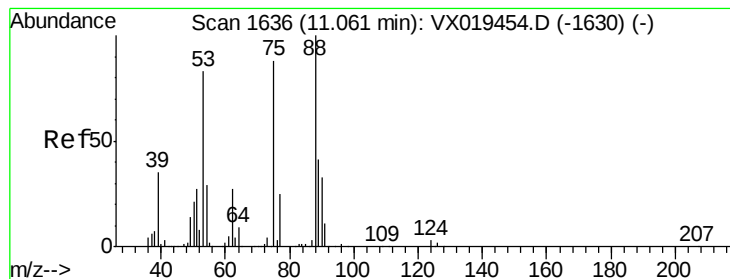
400000

200000

0

11.40 11.50 11.60





#81

trans-1,4-Dichloro-2-butene

Concen: 130.661 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

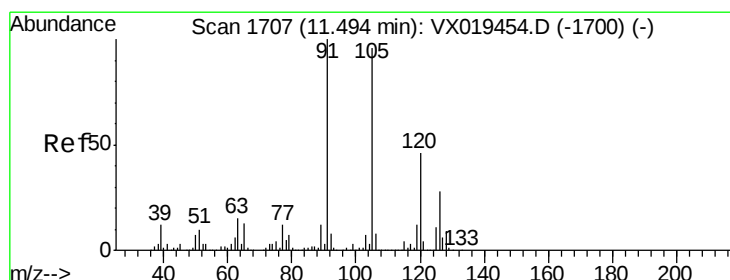
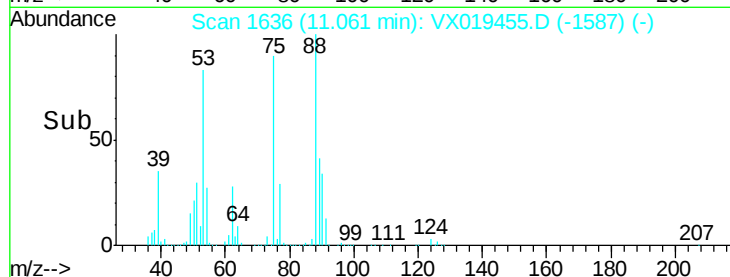
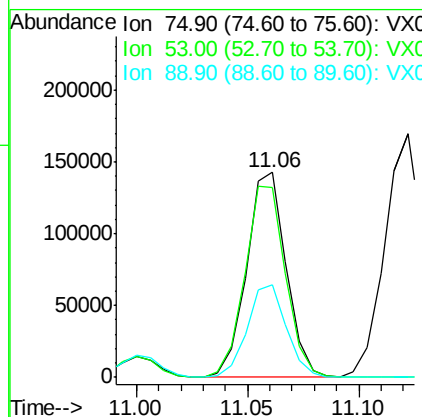
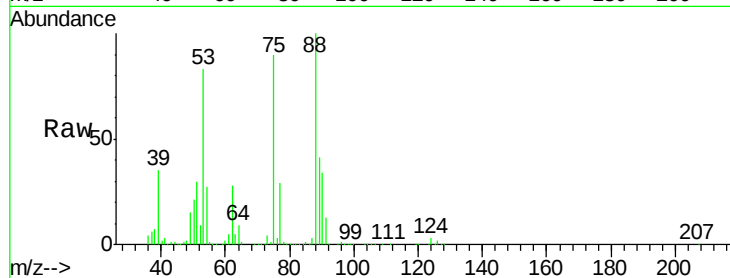
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	176291
Ion	Ratio	Lower	Upper
75	100		
53	96.2	81.0	121.6
89	45.2	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 114.671 ug/l

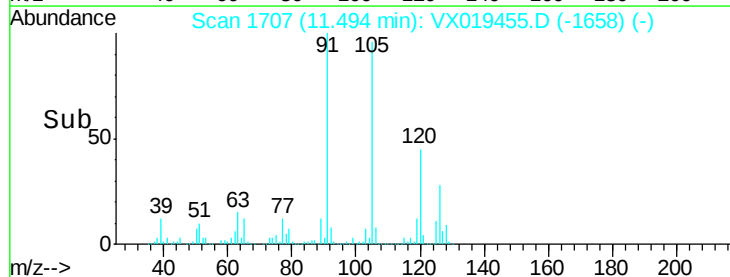
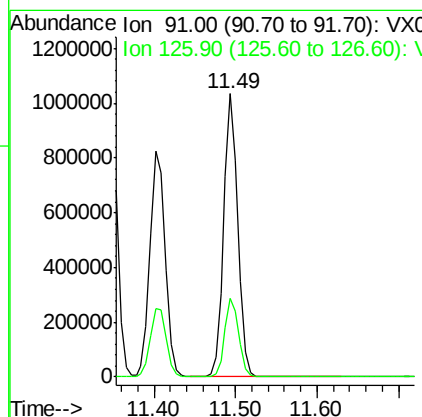
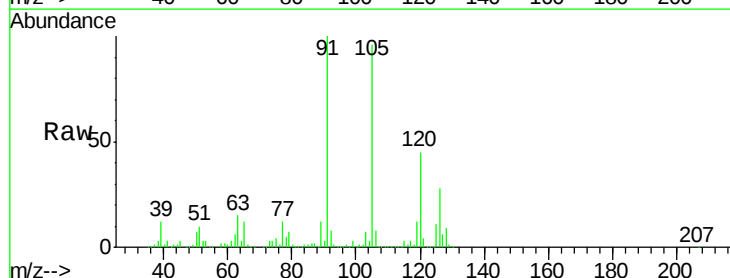
RT: 11.49 min Scan# 1707

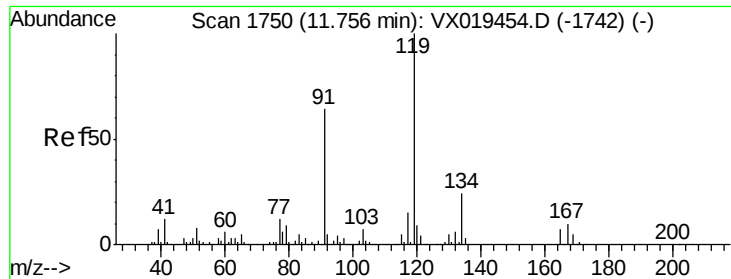
Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Tgt Ion:	91	Resp:	1247486
Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.1	42.2





#83

tert-Butylbenzene

Concen: 120.419 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1198678

Ion Ratio Lower Upper

119 100

91 61.0 31.1 93.2

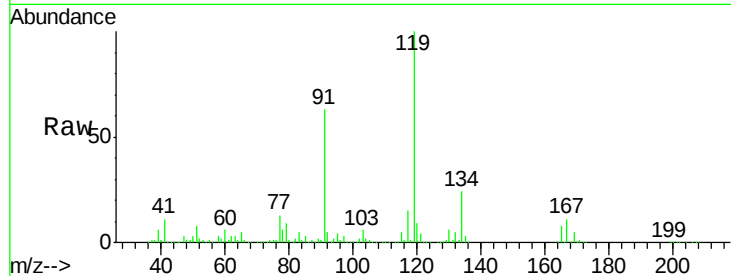
134 22.7 11.6 34.7

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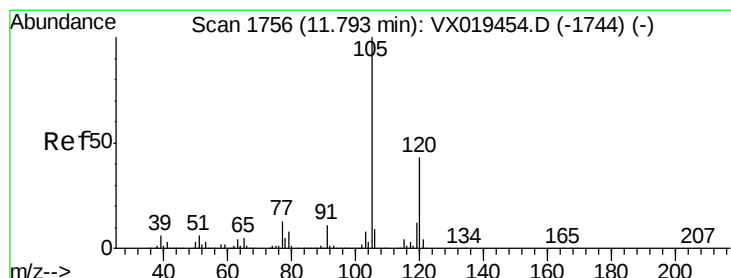
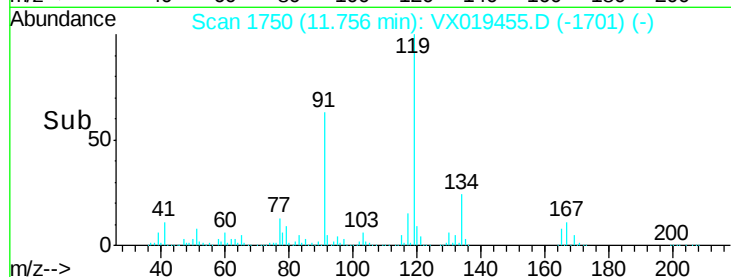
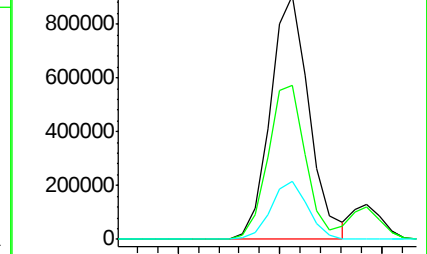
11/19/2020 11:58:13 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 119.135 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019455.D

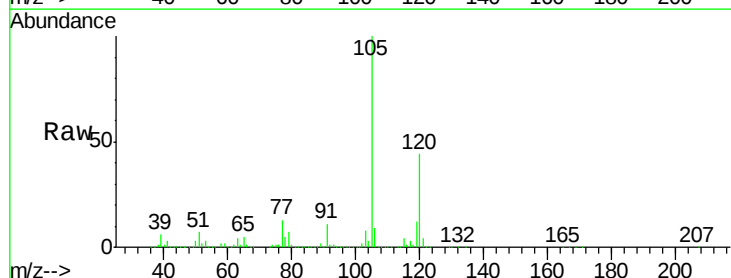
Acq: 18 Nov 2020 15:02

Tgt Ion:105 Resp: 1298434

Ion Ratio Lower Upper

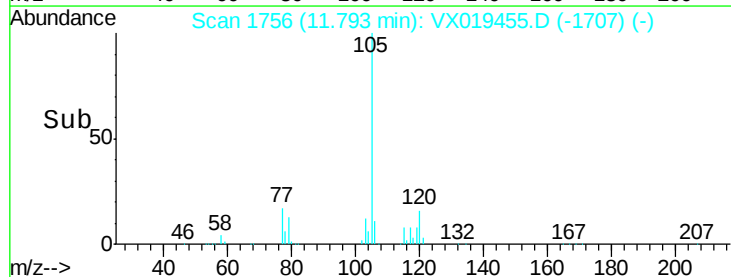
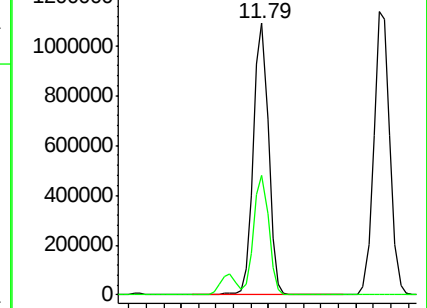
105 100

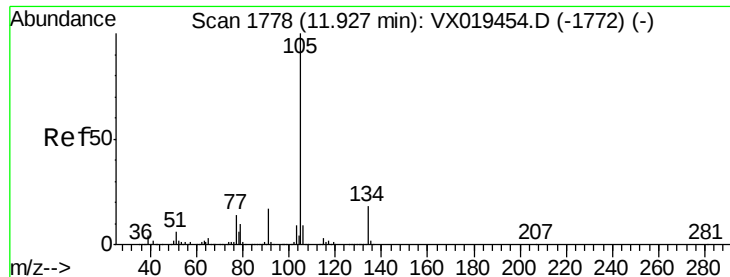
120 43.7 21.5 64.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 119.766 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1467156

Ion Ratio Lower Upper

105 100

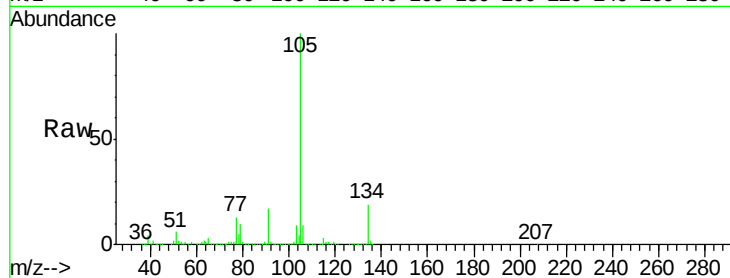
134 19.2 9.6 28.6

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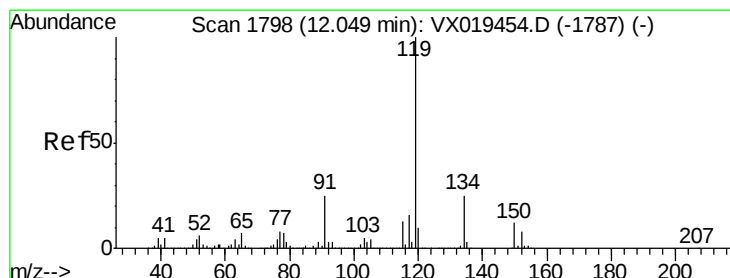
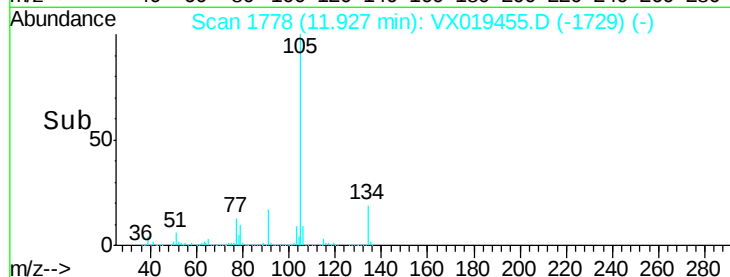
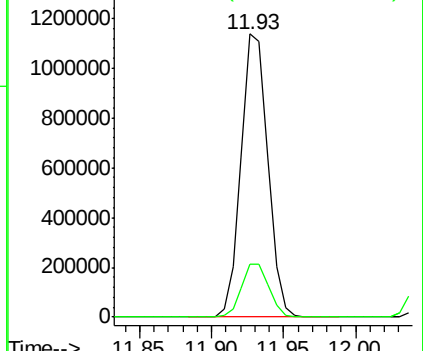
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 124.206 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019455.D

Acq: 18 Nov 2020 15:02

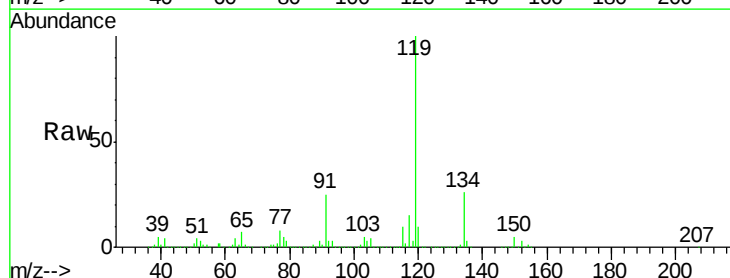
Tgt Ion:119 Resp: 1353964

Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

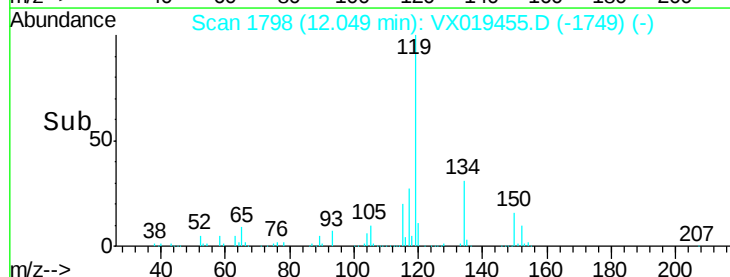
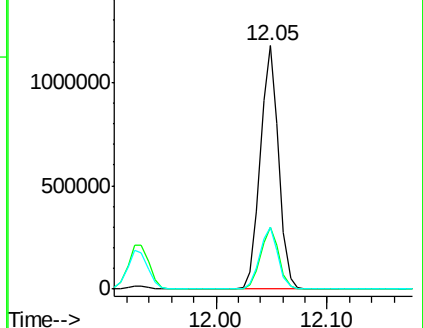
91 25.3 12.6 37.6

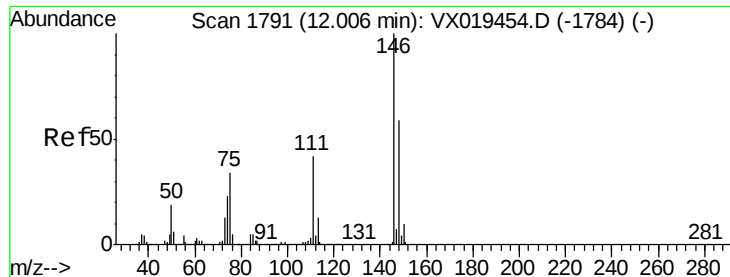


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





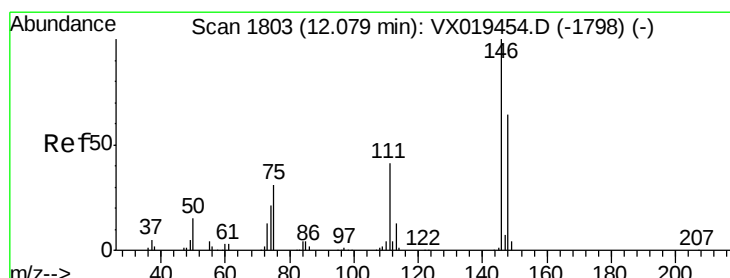
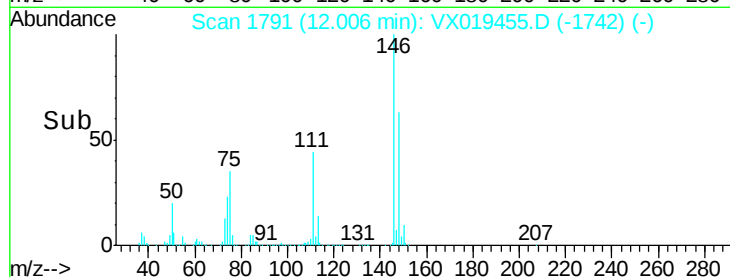
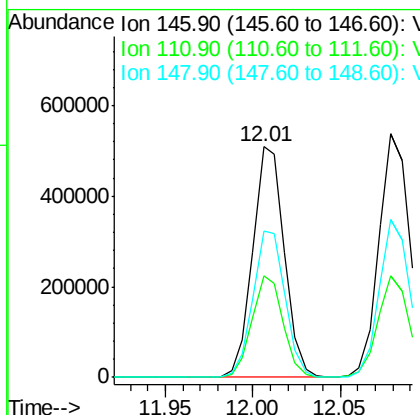
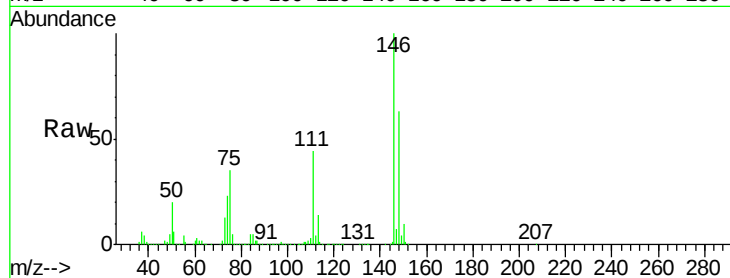
#87
 1,3-Dichlorobenzene
 Concen: 109.739 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019455.D
 Acq: 18 Nov 2020 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.4
148	64.5	31.1	93.3

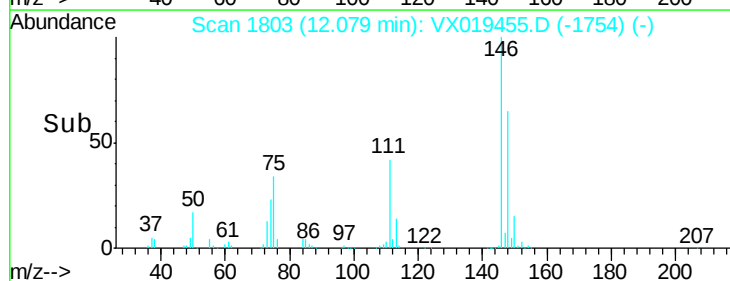
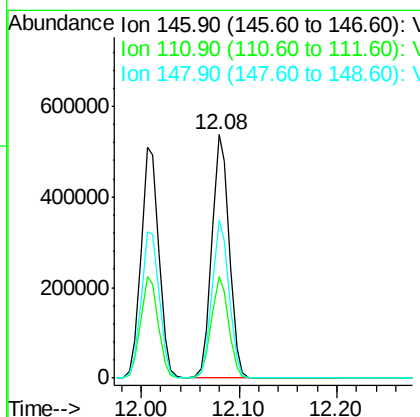
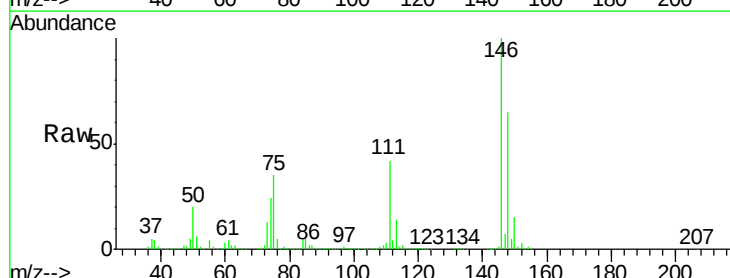
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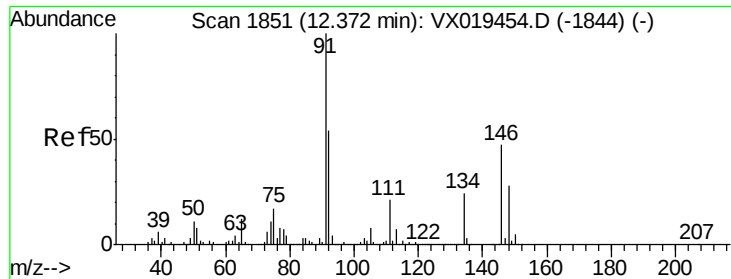
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#88
 1,4-Dichlorobenzene
 Concen: 108.765 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019455.D
 Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	64.0	31.4	94.0





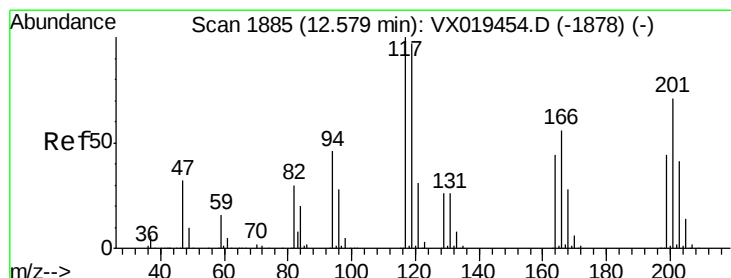
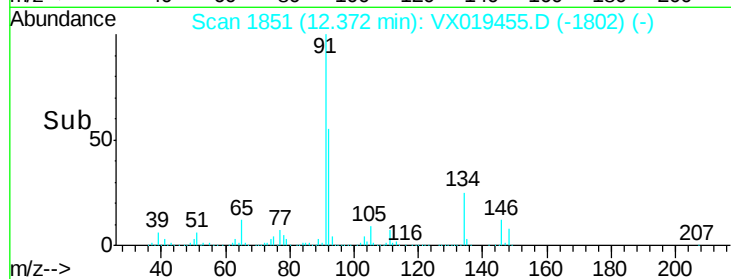
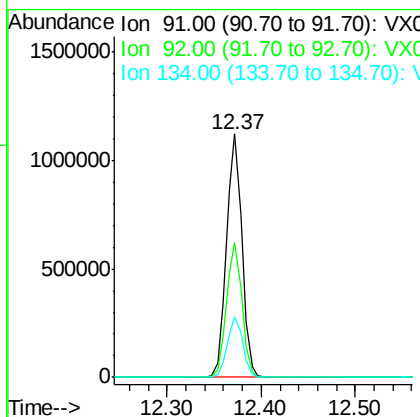
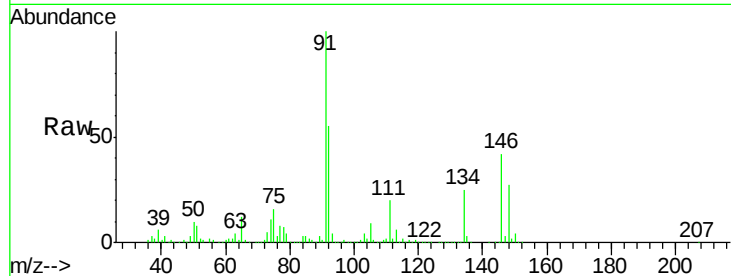
#89
n-Butylbenzene
Concen: 124.471 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.0	81.0
134	24.8	12.0	36.1

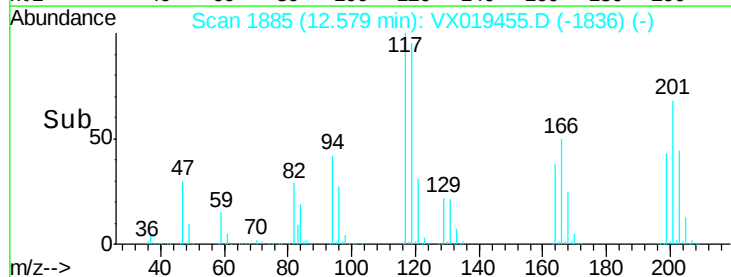
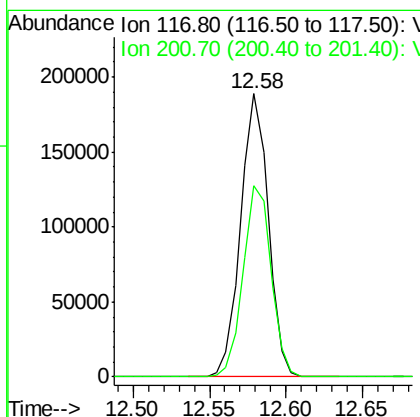
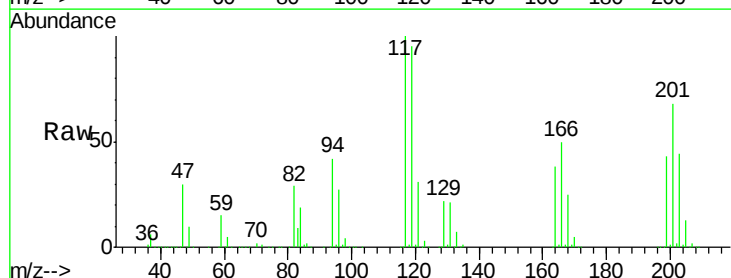
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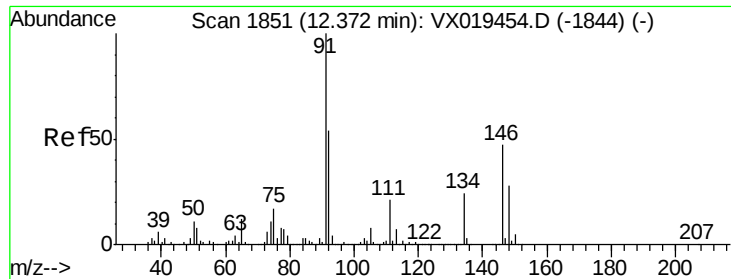
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#90
Hexachloroethane
Concen: 134.641 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.7	35.8	107.3





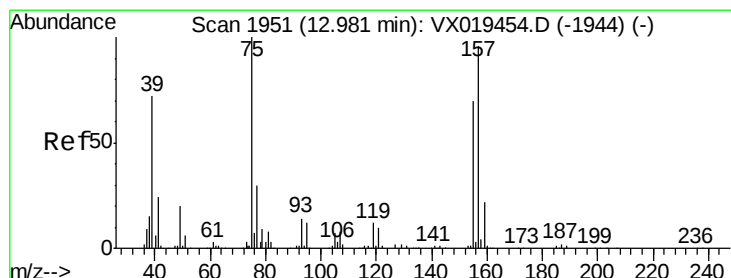
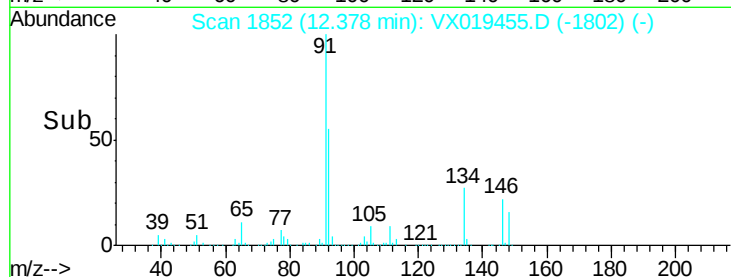
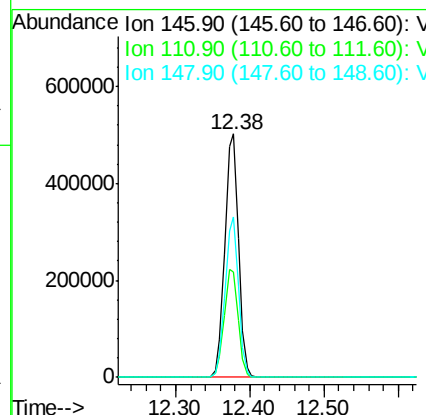
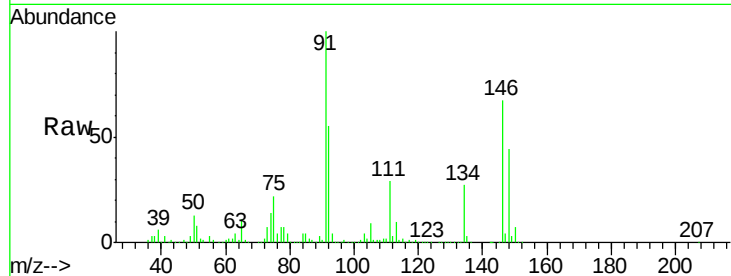
#91
 1,2-Dichlorobenzene
 Concen: 109.356 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX019455.D
 Acq: 18 Nov 2020 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	634545		
111	45.1	22.1	66.3	
148	64.5	31.2	93.6	

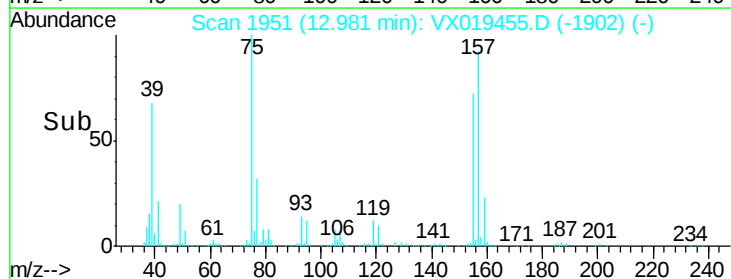
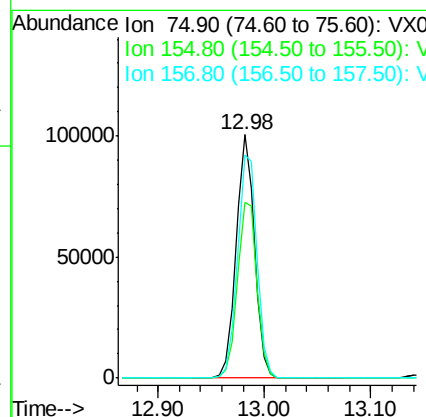
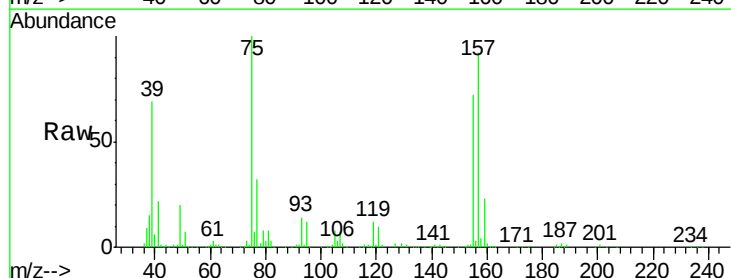
Manual Integrations
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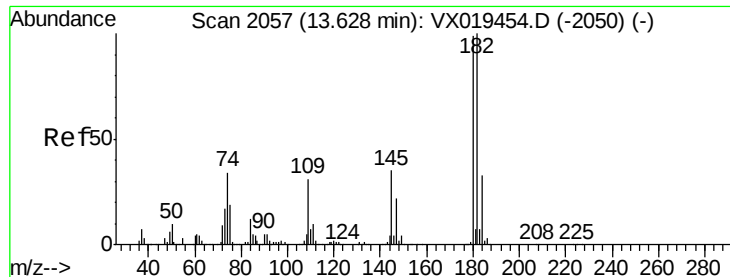
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 11/19/2020 11:58:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 123.229 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019455.D
 Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	121476		
155	76.9	36.4	109.1	
157	97.7	47.9	143.8	





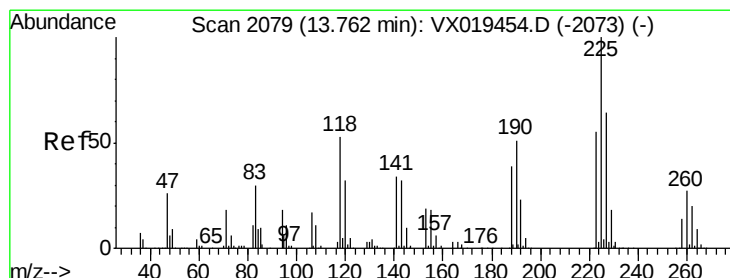
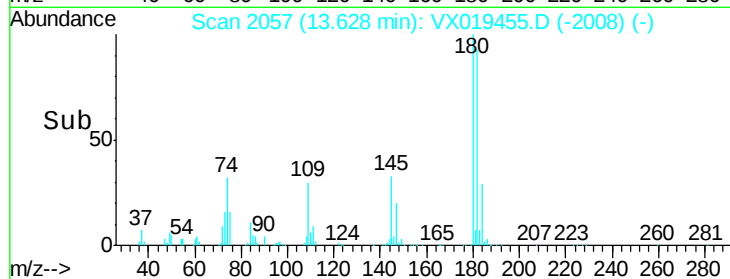
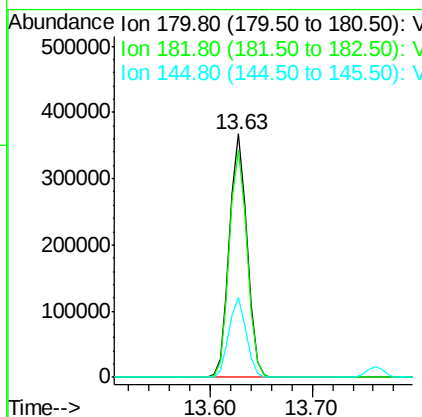
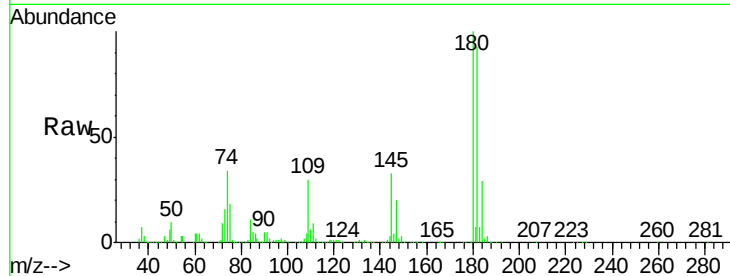
#93
 1,2,4-Trichlorobenzene
 Concen: 128.066 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019455.D
 Acq: 18 Nov 2020 15:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	436114		
182	94.3	48.1	144.4	
145	32.5	16.9	50.6	

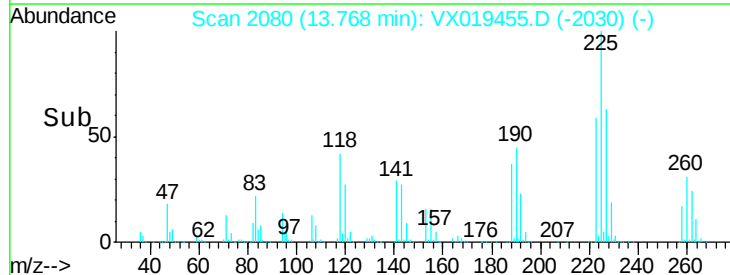
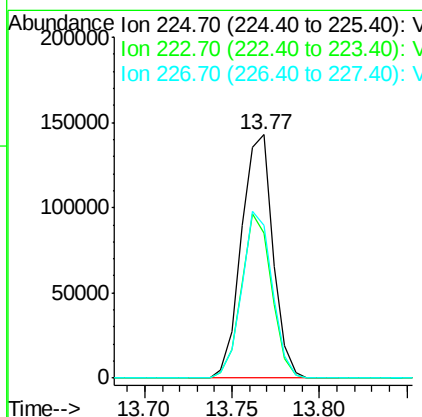
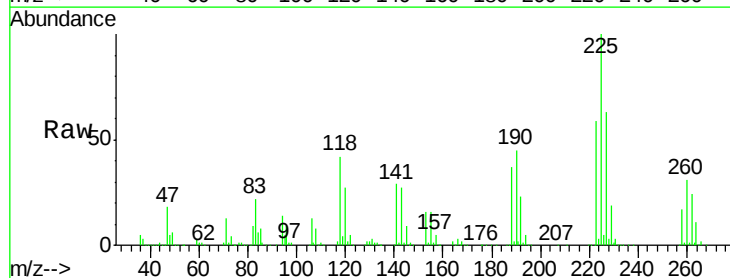
Manual Integrations
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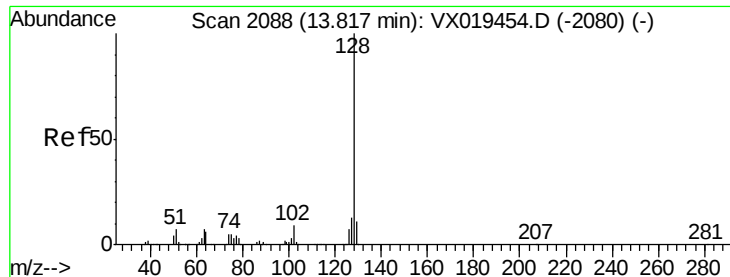
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#94
 Hexachlorobutadiene
 Concen: 113.977 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX019455.D
 Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	178903		
223	64.3	29.9	89.8	
227	66.2	32.6	98.0	





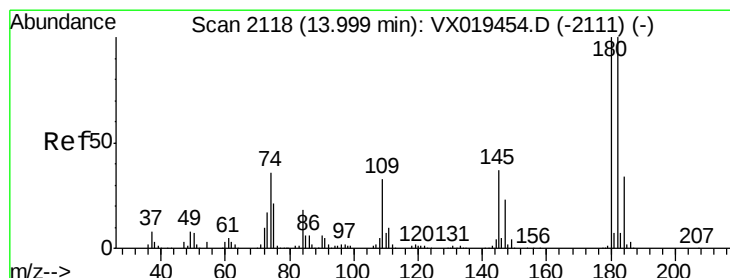
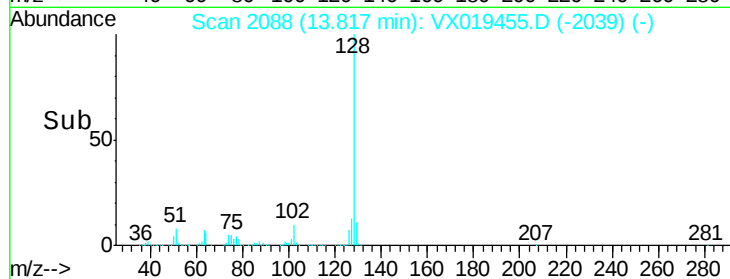
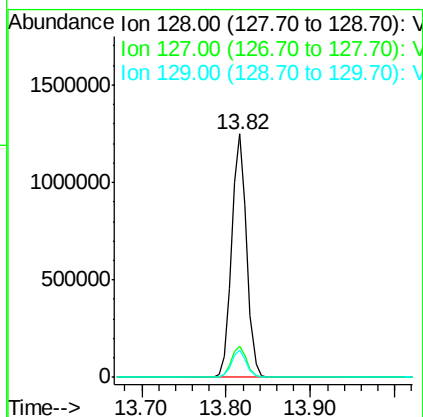
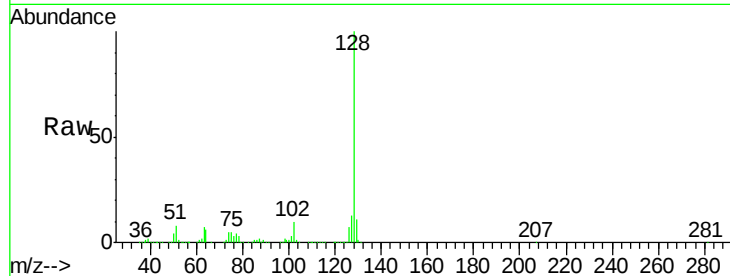
#95
Naphthalene
Concen: 136.883 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 127.185 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019455.D
Acq: 18 Nov 2020 15:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	49.0	147.0
145	35.0	17.6	52.8

