

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121220\
 Data File : VX019952.D
 Acq On : 12 Dec 2020 23:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 4:49:34 PM

Quant Time: Dec 14 06:06:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	265112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	446261	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	409839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	200984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	170844	49.03	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.06%
35) Dibromofluoromethane	5.46	113	137745	47.76	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.52%
50) Toluene-d8	8.70	98	531489	48.27	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.54%
62) 4-Bromofluorobenzene	11.12	95	206502	49.27	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.54%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	116235	47.888	ug/l	98
3) Chloromethane	1.31	50	132329	46.358	ug/l	99
4) Vinyl Chloride	1.39	62	153005	50.835	ug/l	98
5) Bromomethane	1.62	94	41344	41.369	ug/l	99
6) Chloroethane	1.70	64	99682	55.132	ug/l	100
7) Trichlorofluoromethane	1.91	101	213026	50.821	ug/l	99
8) Diethyl Ether	2.17	74	93870	52.846	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	121595	50.610	ug/l	99
10) Methyl Iodide	2.49	142	168380	47.546	ug/l	99
11) Tert butyl alcohol	3.02	59	195403	273.025	ug/l	99
12) 1,1-Dichloroethene	2.36	96	121839	50.160	ug/l	97
13) Acrolein	2.27	56	89882	233.699	ug/l	99
14) Allyl chloride	2.70	41	216990	52.894	ug/l	96
15) Acrylonitrile	3.11	53	445996	283.140	ug/l	100
16) Acetone	2.42	43	364540	278.343	ug/l	100
17) Carbon Disulfide	2.55	76	304697	43.718	ug/l	99
18) Methyl Acetate	2.75	43	198982	62.087	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	490592	55.459	ug/l	99
20) Methylene Chloride	2.83	84	161209	54.031	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	144129	50.896	ug/l	99
22) Diisopropyl ether	3.82	45	474749	57.237	ug/l	94
23) Vinyl Acetate	3.78	43	2009312	284.346	ug/l	99
24) 1,1-Dichloroethane	3.67	63	271603	54.302	ug/l	99
25) 2-Butanone	4.63	43	572311	284.384	ug/l	99
26) 2,2-Dichloropropane	4.55	77	195043	45.281	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	172806	52.144	ug/l	100
28) Bromochloromethane	4.98	49	123008	51.589	ug/l	96
29) Tetrahydrofuran	5.09	42	370817	285.992	ug/l	98
30) Chloroform	5.17	83	279594	54.364	ug/l	99
31) Cyclohexane	5.55	56	228243	52.660	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	236342	53.363	ug/l	100
36) 1,1-Dichloropropene	5.76	75	201207	49.895	ug/l	98
37) Ethyl Acetate	4.79	43	221071	54.297	ug/l	99
38) Carbon Tetrachloride	5.75	117	196029	49.641	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	232657	49.107	ug/l	98
40) Benzene	6.11	78	630919	51.218	ug/l	99
41) Methacrylonitrile	5.00	41	123225	55.123	ug/l	98
42) 1,2-Dichloroethane	6.16	62	218265	51.860	ug/l	100
43) Isopropyl Acetate	6.41	43	357051	53.939	ug/l	99
44) Trichloroethene	7.18	130	157150	48.623	ug/l	97
45) 1,2-Dichloropropane	7.49	63	163421	53.081	ug/l	97
46) Dibromomethane	7.63	93	107283	51.602	ug/l	99
47) Bromodichloromethane	7.87	83	216473	52.471	ug/l	100
48) Methyl methacrylate	7.74	41	176748	54.291	ug/l	97
49) 1,4-Dioxane	7.71	88	85873	1088.868	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1134596	280.742	ug/l	100
52) Toluene	8.76	92	405192	52.593	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	232873	50.867	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	258355	51.945	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	165098	53.176	ug/l	99
56) Ethyl methacrylate	9.16	69	257758	54.873	ug/l	99
57) 1,3-Dichloropropane	9.35	76	278888	52.606	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	681569	273.889	ug/l	100
59) 2-Hexanone	9.47	43	869774	277.649	ug/l	100
60) Dibromochloromethane	9.56	129	167230	53.015	ug/l	100
61) 1,2-Dibromoethane	9.65	107	170412	51.689	ug/l	99
64) Tetrachloroethene	9.32	164	133793	48.679	ug/l	96
65) Chlorobenzene	10.12	112	416301	50.985	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	156144	53.131	ug/l	99
67) Ethyl Benzene	10.23	91	751078	51.822	ug/l	100
68) m/p-Xylenes	10.34	106	567435	103.900	ug/l	99
69) o-Xylene	10.68	106	276663	52.662	ug/l	99
70) Styrene	10.70	104	473976	53.452	ug/l	100
71) Bromoform	10.84	173	123065	53.230	ug/l #	100
73) Isopropylbenzene	11.00	105	734610	53.499	ug/l	100
74) N-amyl acetate	10.88	43	313569	56.985	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.25	83	271979	56.182	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	245439m	54.449	ug/l	
77) Bromobenzene	11.24	156	183856	52.322	ug/l	99
78) n-propylbenzene	11.34	91	851587	54.300	ug/l	99
79) 2-Chlorotoluene	11.40	91	518731	53.711	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	624965	53.929	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	80743	51.781	ug/l	99
82) 4-Chlorotoluene	11.49	91	598171	52.883	ug/l	99
83) tert-Butylbenzene	11.76	119	622963	54.811	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	642644	55.052	ug/l	98
85) sec-Butylbenzene	11.93	105	716493	55.215	ug/l	100
86) p-Isopropyltoluene	12.05	119	659648	55.467	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	327897	50.841	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	331278	50.432	ug/l	98
89) n-Butylbenzene	12.37	91	571308	54.222	ug/l	99
90) Hexachloroethane	12.58	117	110705	53.918	ug/l	96
91) 1,2-Dichlorobenzene	12.37	146	336471	53.518	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	58409	56.124	ug/l	94

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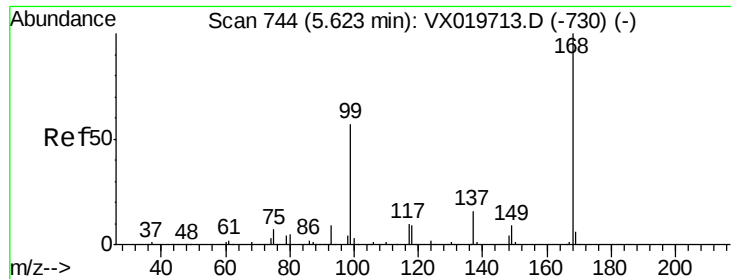
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
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QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	217385	53.117	ug/l	96
94) Hexachlorobutadiene	13.76	225	97745	53.436	ug/l	98
95) Naphthalene	13.82	128	819405	61.757	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	216970	54.247	ug/l	97

(#) = 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. 0.01 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 265112

Ion Ratio Lower Upper

168 100

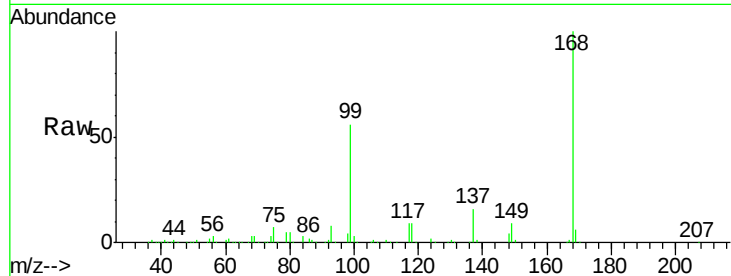
99 56.1 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

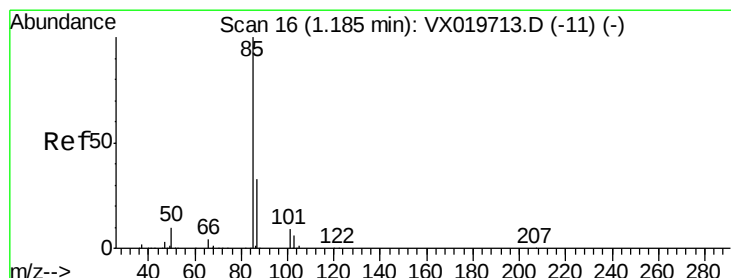
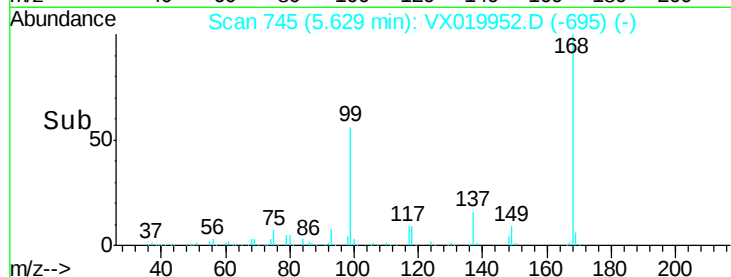
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.888 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019952.D

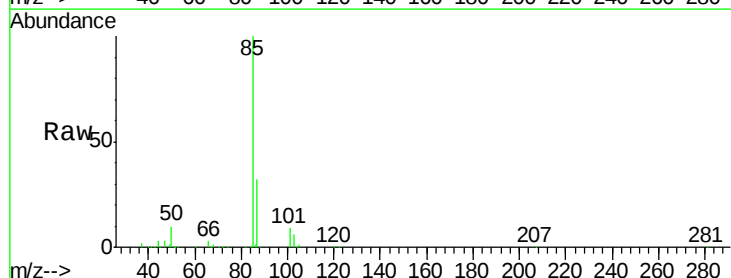
Acq: 12 Dec 2020 23:00

Tgt Ion: 85 Resp: 116235

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

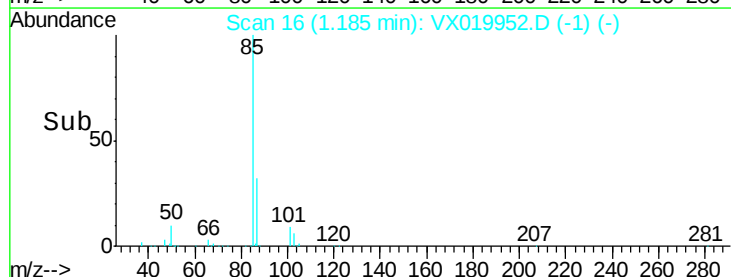
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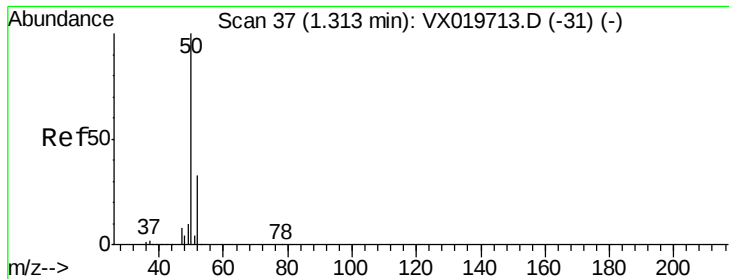
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 46.358 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 132329

Ion Ratio Lower Upper

50 100

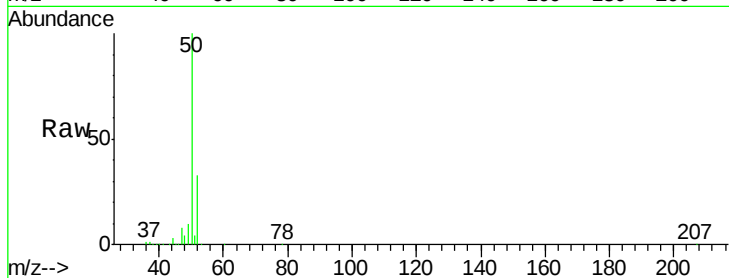
52 32.7 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

150000

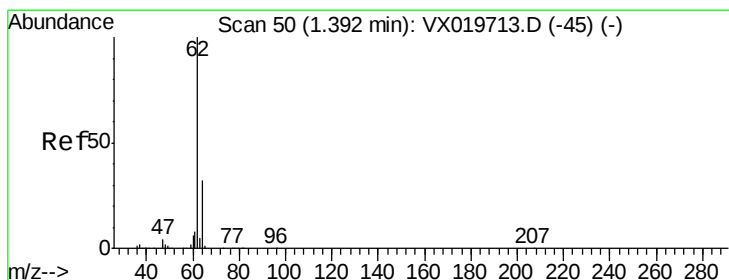
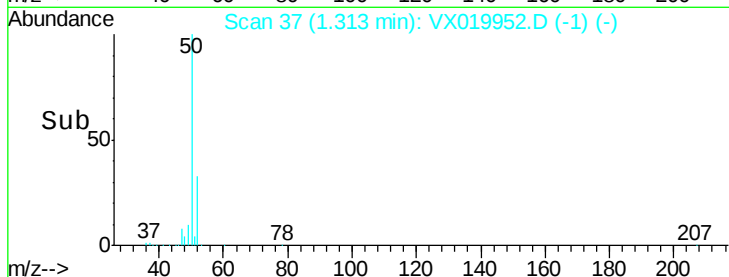
1.31

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.835 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019952.D

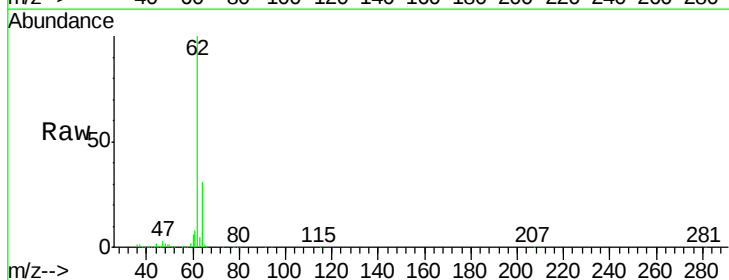
Acq: 12 Dec 2020 23:00

Tgt Ion: 62 Resp: 153005

Ion Ratio Lower Upper

62 100

64 30.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

150000

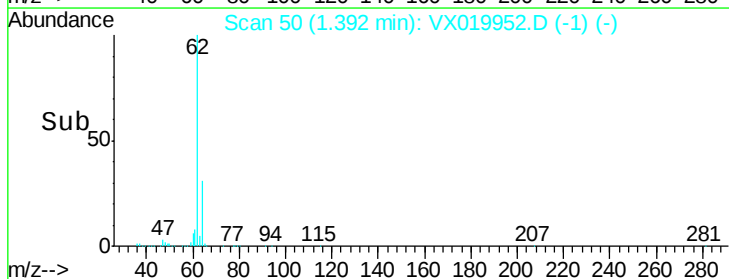
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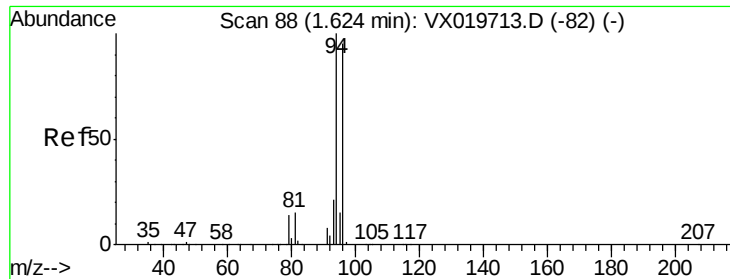
100000

50000

0

Time-->





#5

Bromomethane

Concen: 41.369 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 41344

Ion Ratio Lower Upper

94 100

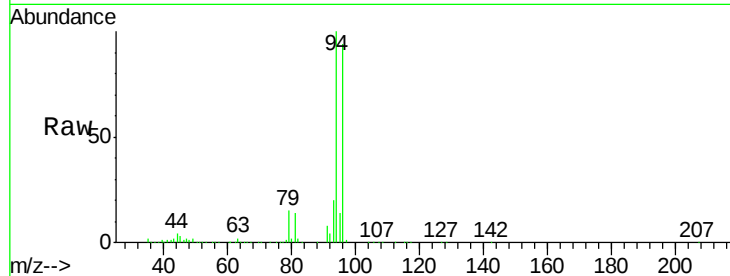
96 94.4 76.4 114.6

Manual Integrations

APPROVED

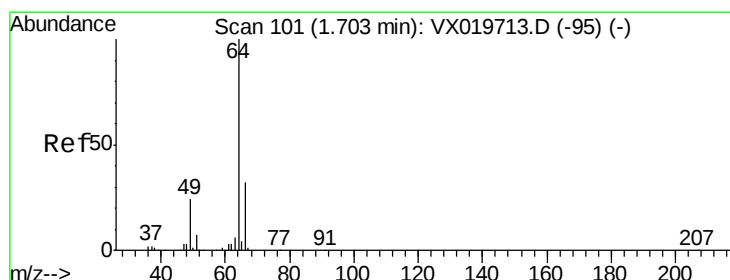
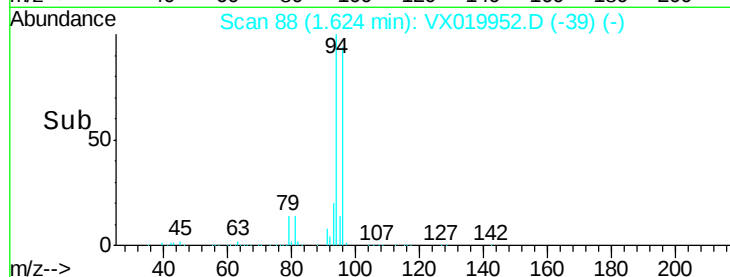
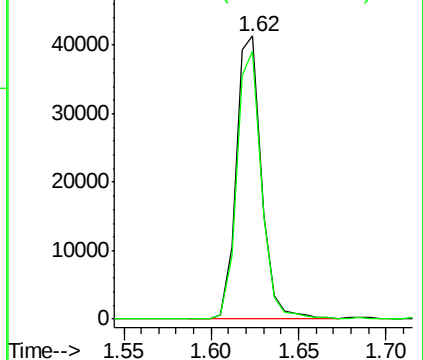
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 55.132 ug/l

RT: 1.70 min Scan# 101

Delta R.T. 0.00 min

Lab File: VX019952.D

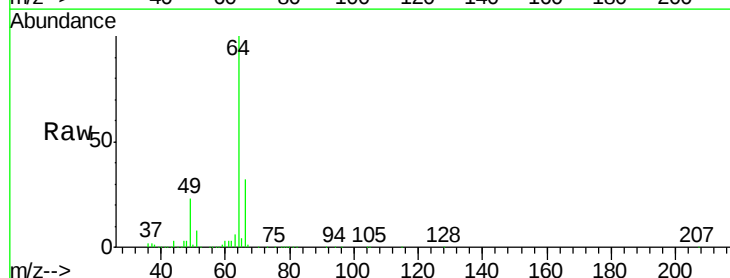
Acq: 12 Dec 2020 23:00

Tgt Ion: 64 Resp: 99682

Ion Ratio Lower Upper

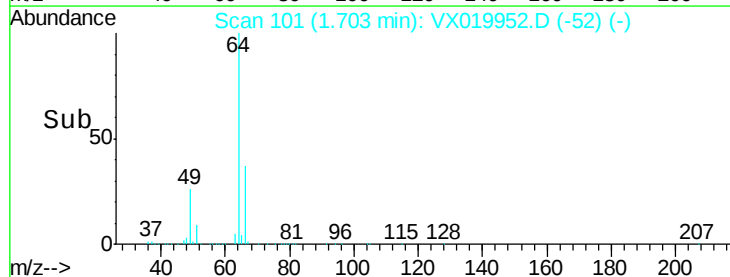
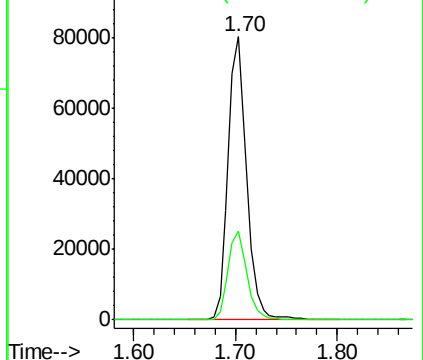
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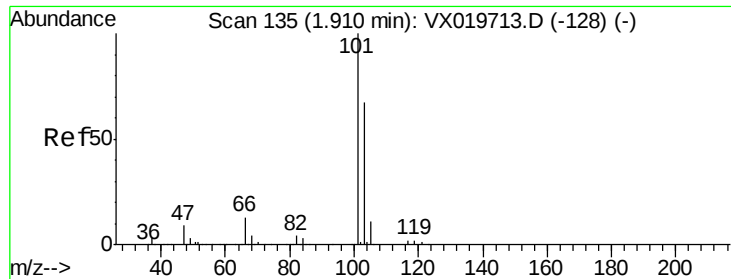
66 31.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

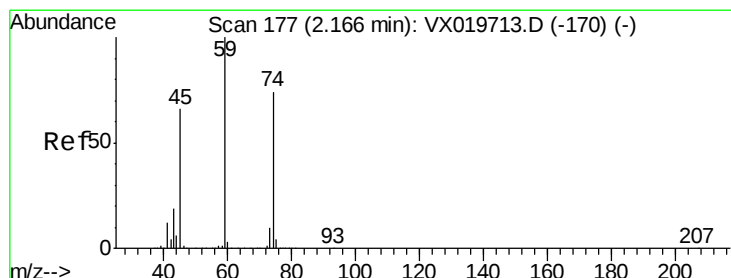
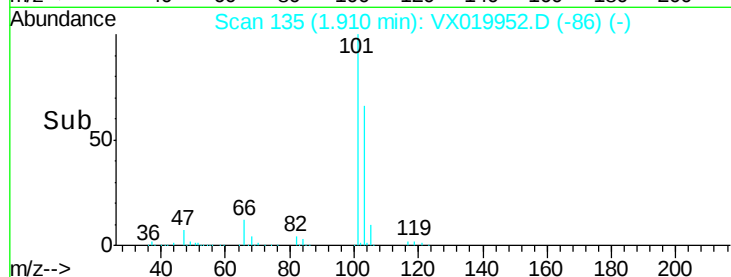
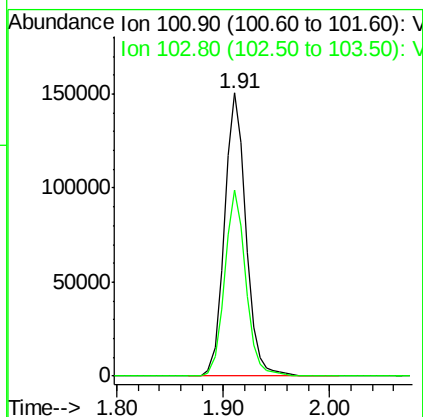
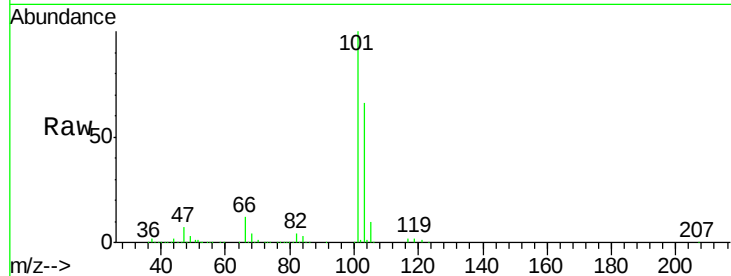
Trichlorofluoromethane
 Concen: 50.821 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	53.2	79.8

Manual Integrations
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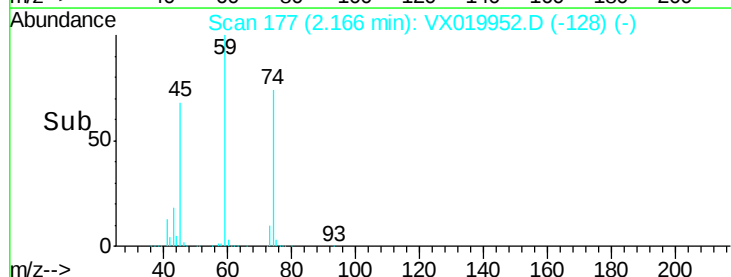
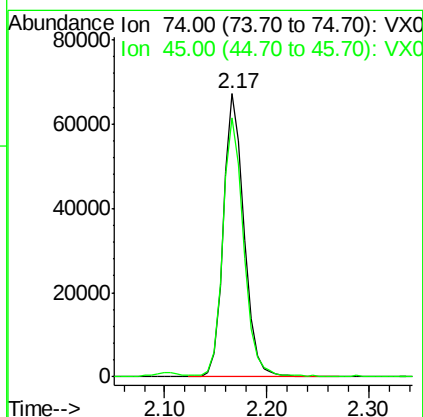
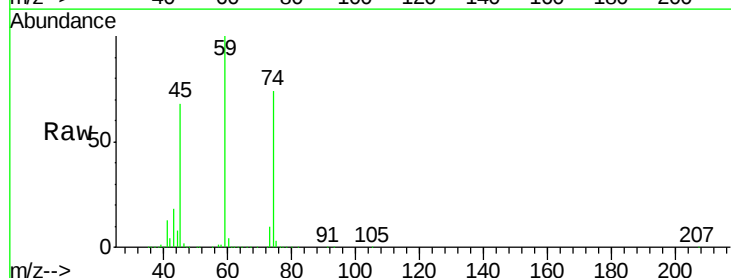
MMDadoda
 12/15/2020 4:49:34 PM

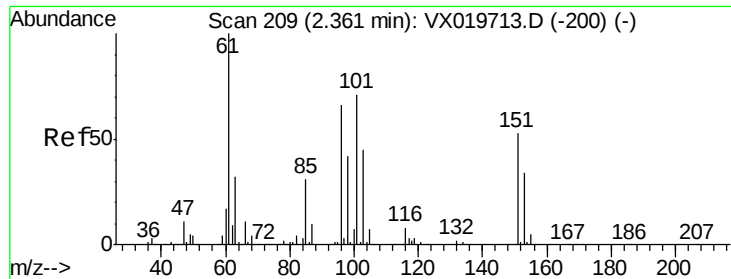


#8

Diethyl Ether
 Concen: 52.846 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.3	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.610 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

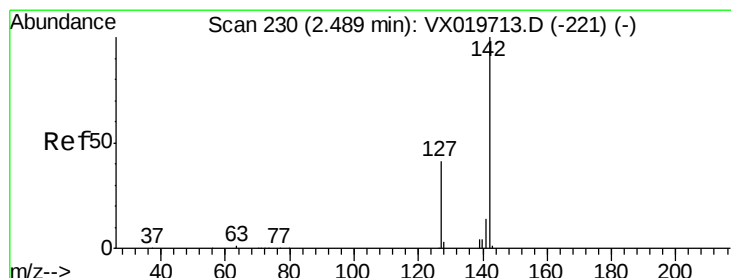
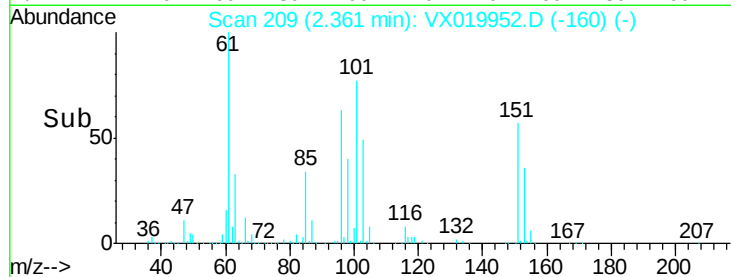
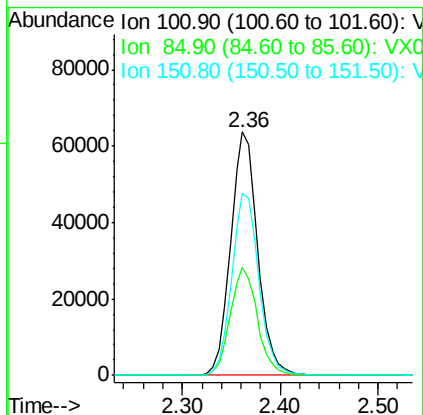
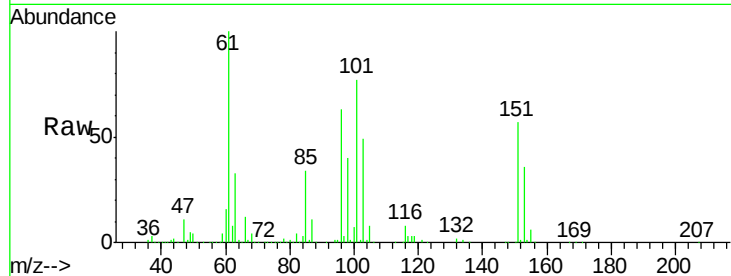
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	121595
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.9	52.3
151	75.3	61.4	92.2

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#10

Methyl Iodide

Concen: 47.546 ug/l

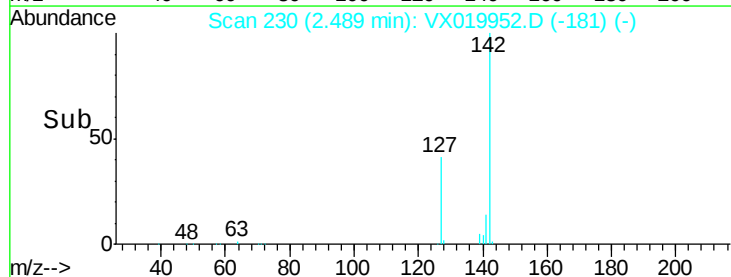
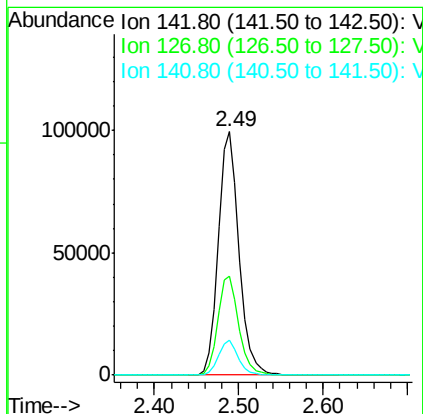
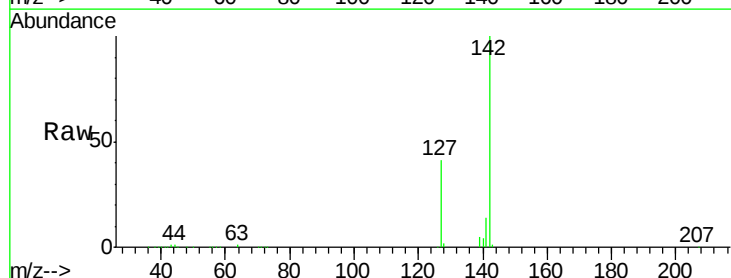
RT: 2.49 min Scan# 230

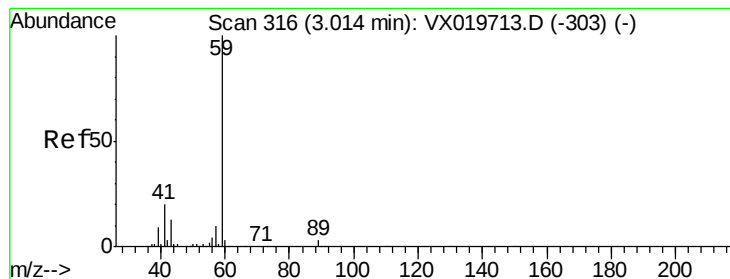
Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Tgt Ion:	142	Resp:	168380
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.3	49.9
141	14.0	11.4	17.0





#11

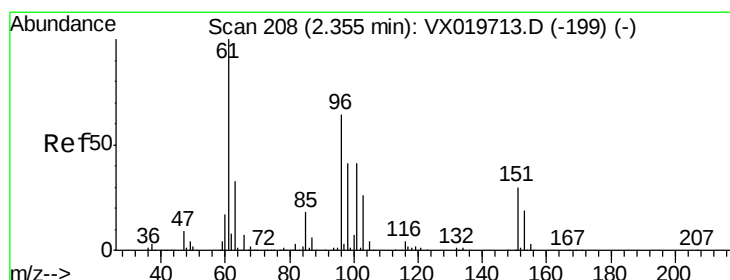
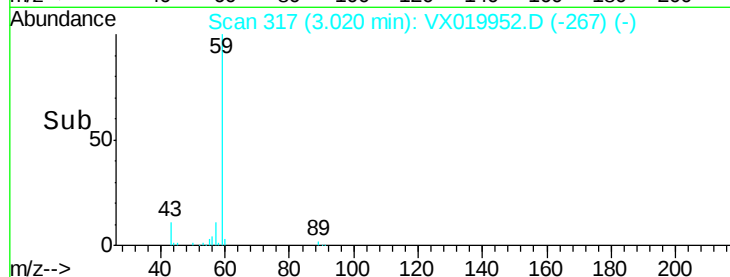
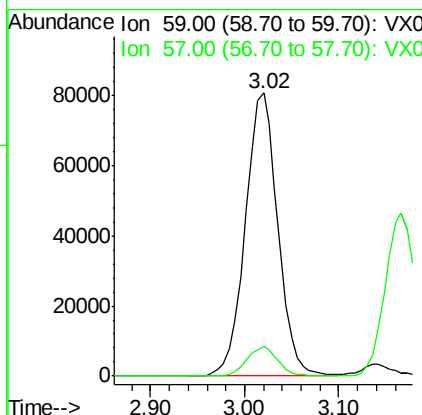
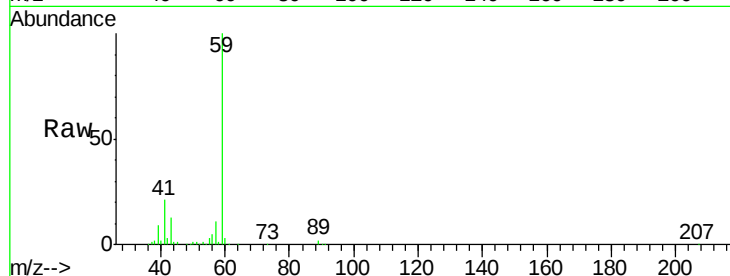
Tert butyl alcohol
Concen: 273.025 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.0	Resp	195403	Lower	7.8	Upper	11.8
Ion	59	57	Ratio	100	10.0	Resp	195403	Lower	7.8	Upper	11.8

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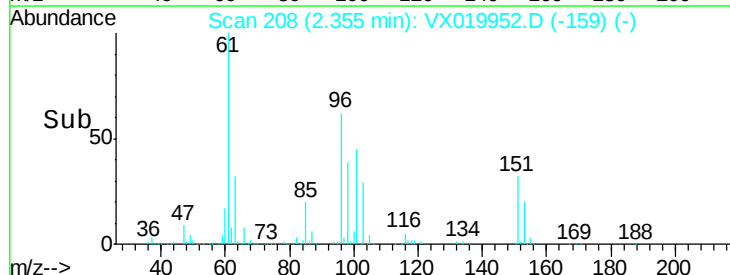
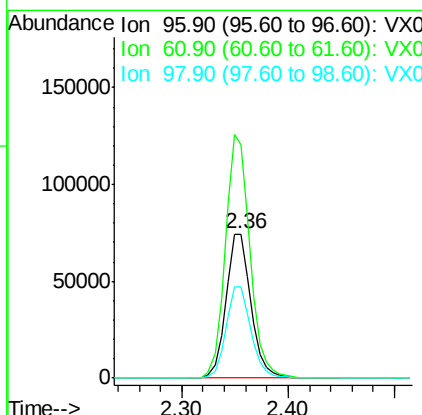
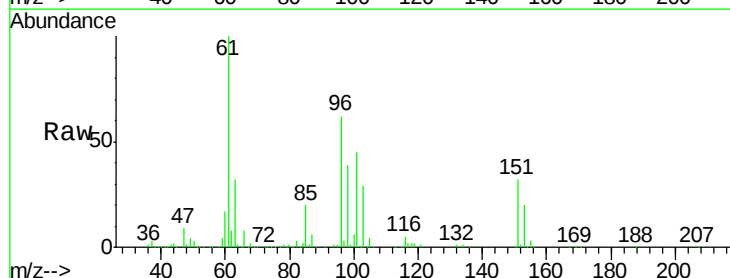
MMDadoda
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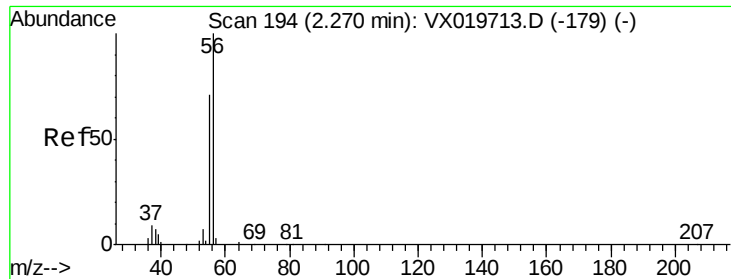


#12

1,1-Dichloroethene
Concen: 50.160 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	96	61	98	Ratio	100	161.9	63.2	Resp	121839	Lower	124.6	50.6	Upper	187.0	76.0
Ion	96	61	98	Ratio	100	161.9	63.2	Resp	121839	Lower	124.6	50.6	Upper	187.0	76.0





#13

Acrolein

Concen: 233.699 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 89882

Ion Ratio Lower Upper

56 100

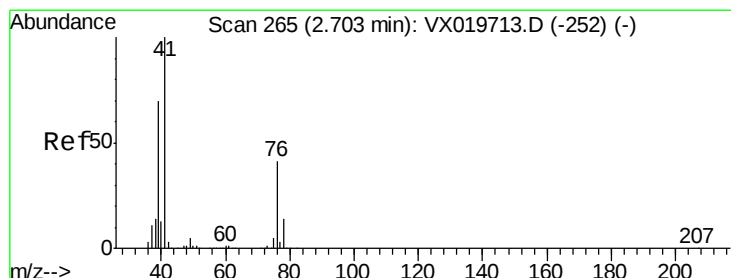
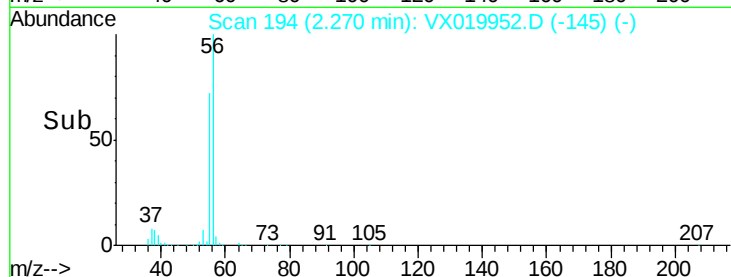
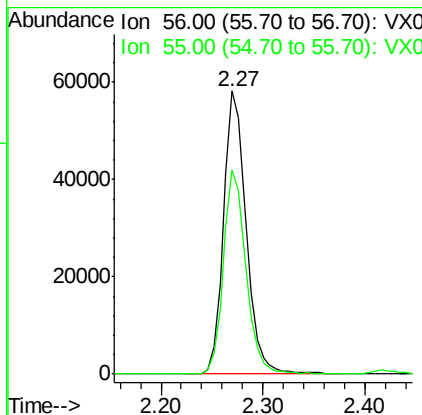
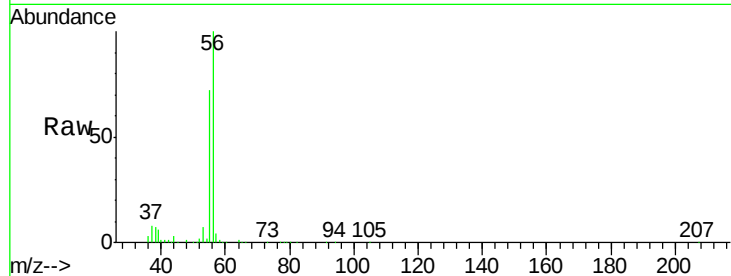
55 71.1 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 52.894 ug/l

RT: 2.70 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

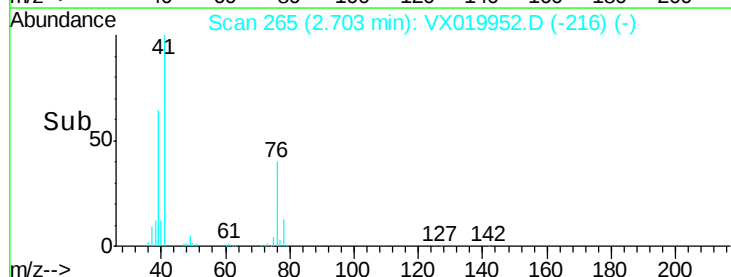
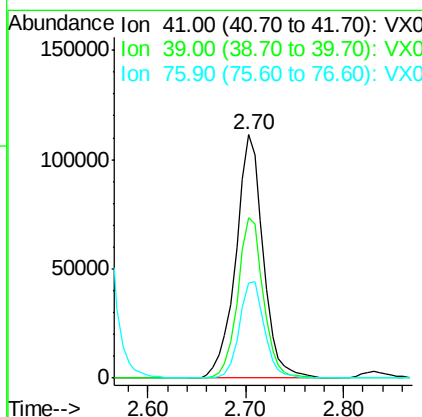
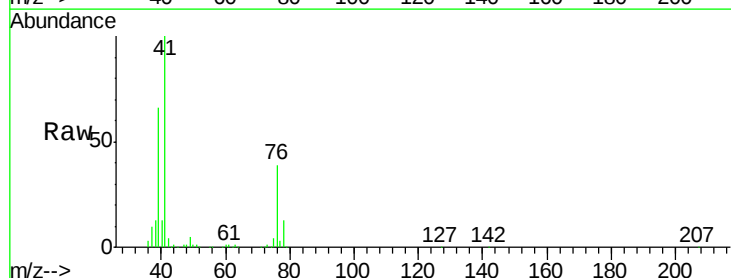
Tgt Ion: 41 Resp: 216990

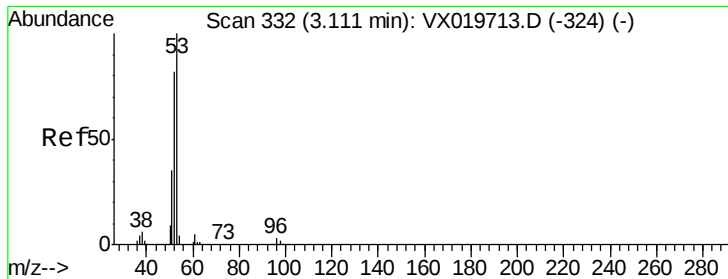
Ion Ratio Lower Upper

41 100

39 61.6 51.6 77.4

76 36.0 30.5 45.7





#15

Acrylonitrile

Concen: 283.140 ug/l

RT: 3.11 min Scan# 332

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

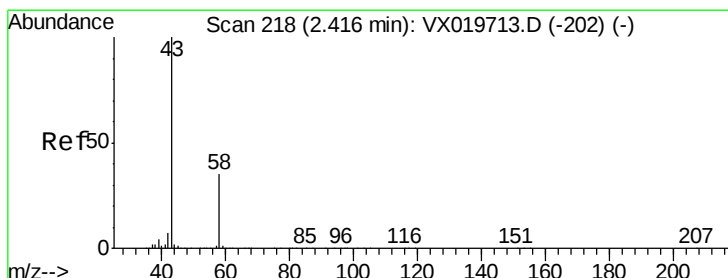
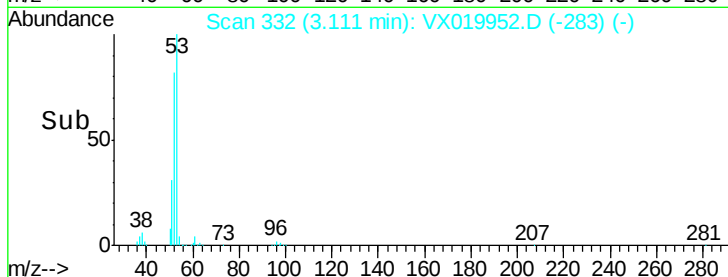
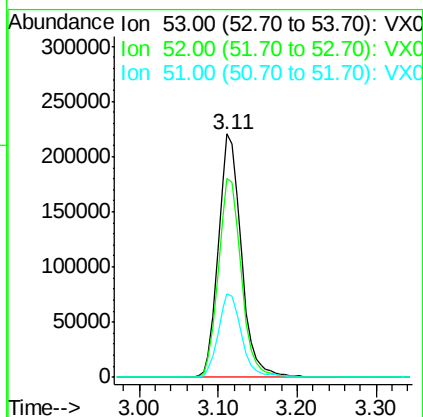
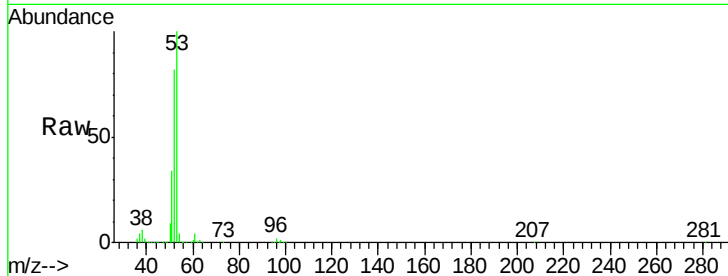
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	445996
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.3	97.9
51	35.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 278.343 ug/l

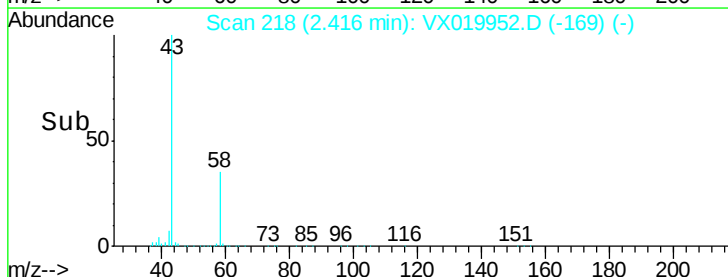
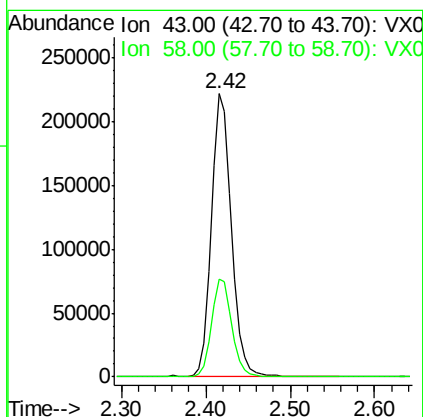
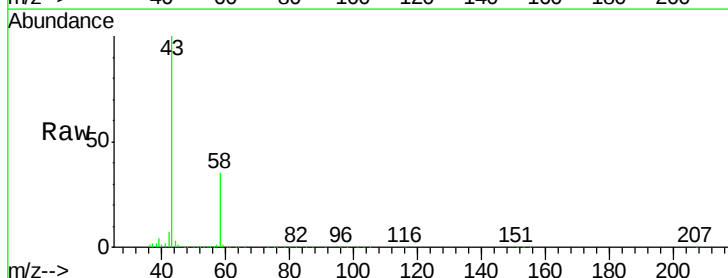
RT: 2.42 min Scan# 218

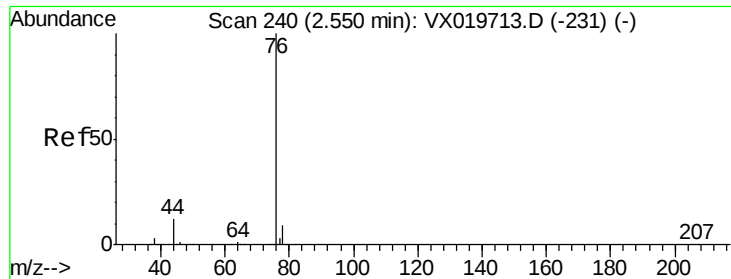
Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Tgt Ion:	43	Resp:	364540
Ion Ratio	Lower	Upper	
43	100		
58	34.5	27.8	41.8





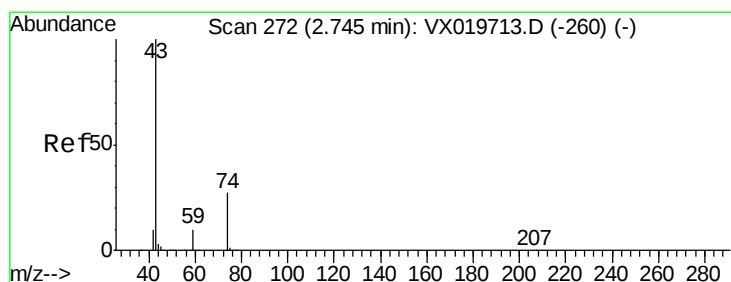
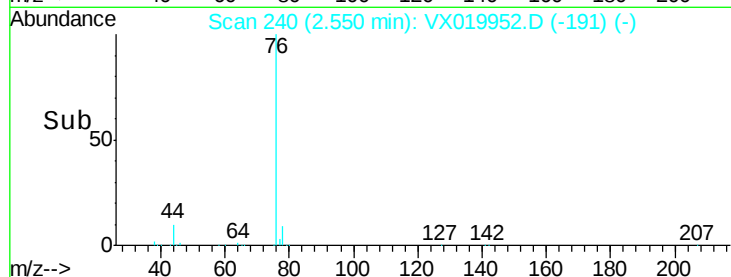
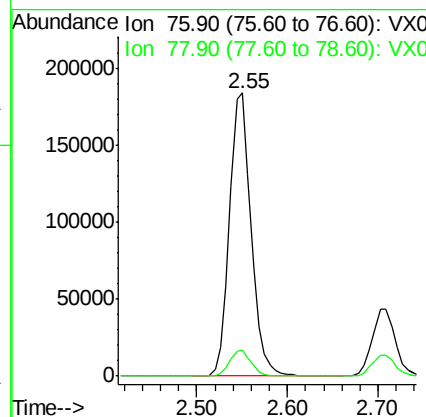
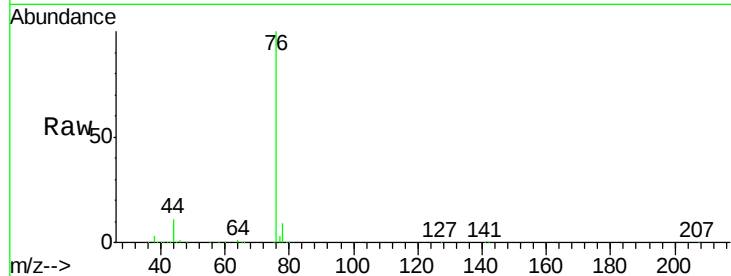
#17
Carbon Disulfide
Concen: 43.718 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
76	76	100		
78	78	9.2	7.2	10.8

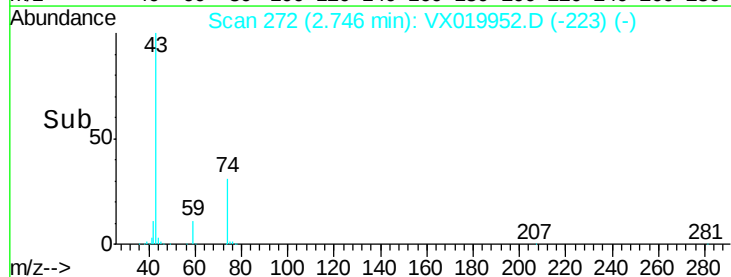
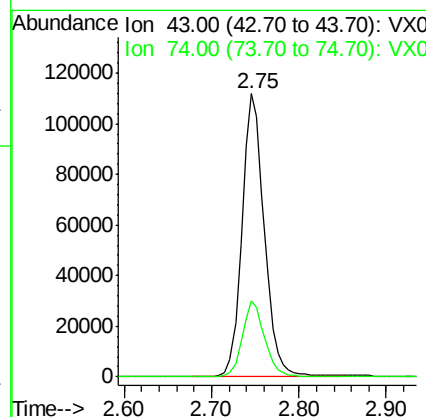
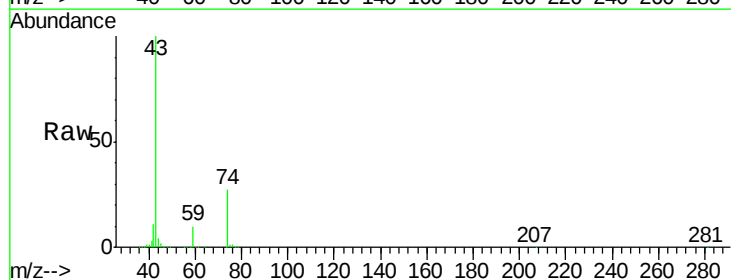
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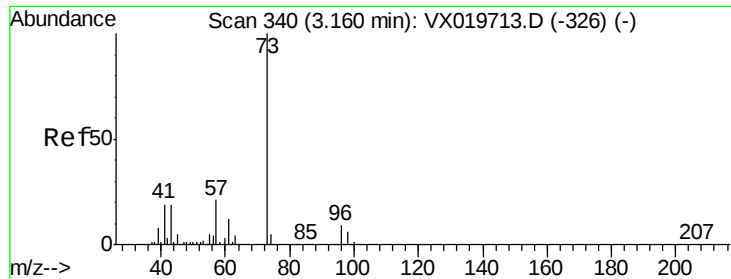
MMDadoda
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#18
Methyl Acetate
Concen: 62.087 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
74	74	27.0	21.9	32.9





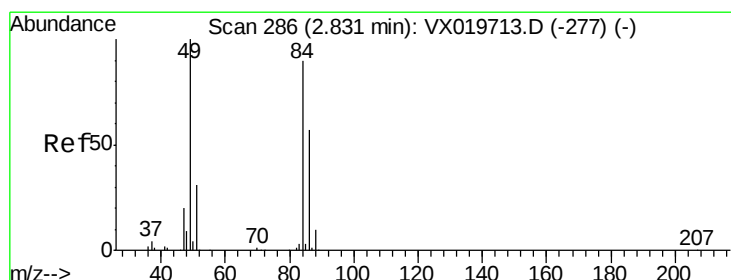
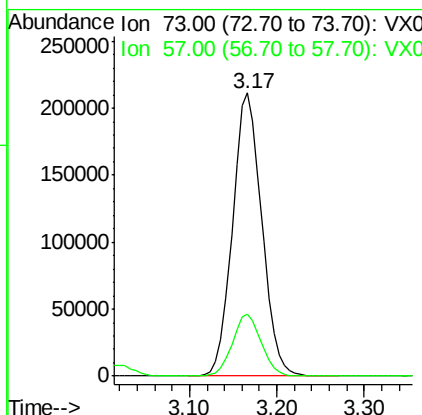
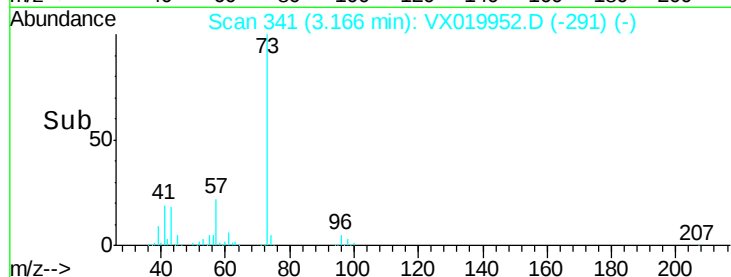
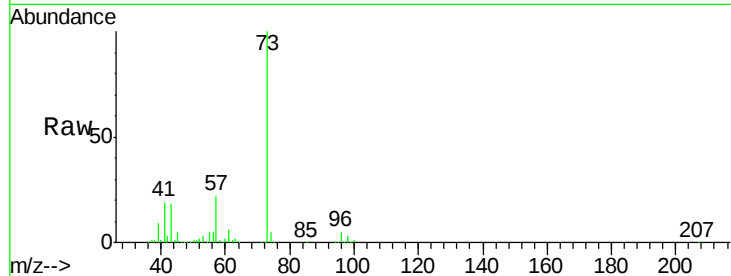
#19
Methvl tert-butvl Ether
Concen: 55.459 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.1	25.7

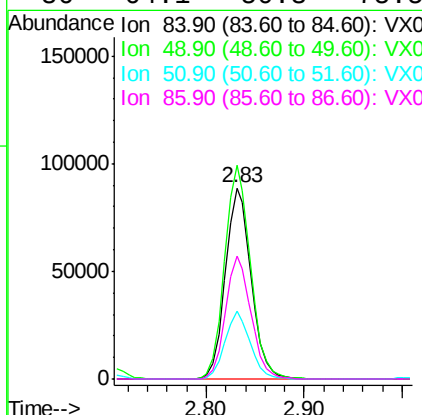
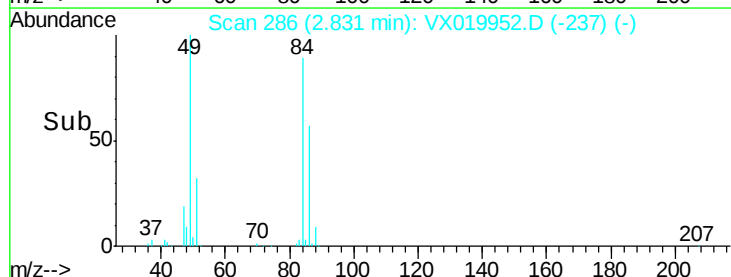
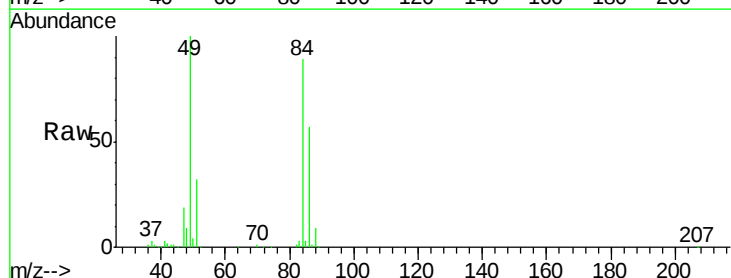
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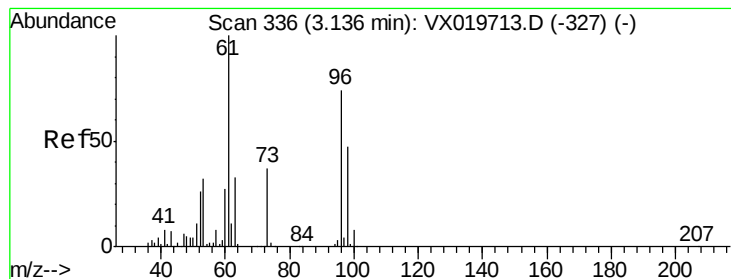
MMDadoda
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#20
Methylene Chloride
Concen: 54.031 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.9	88.6	132.8
51	35.7	27.0	40.6
86	64.1	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 50.896 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 144129

Ion Ratio Lower Upper

96 100

61 136.6 107.7 161.5

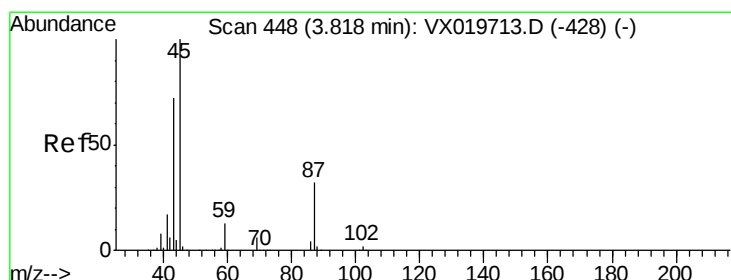
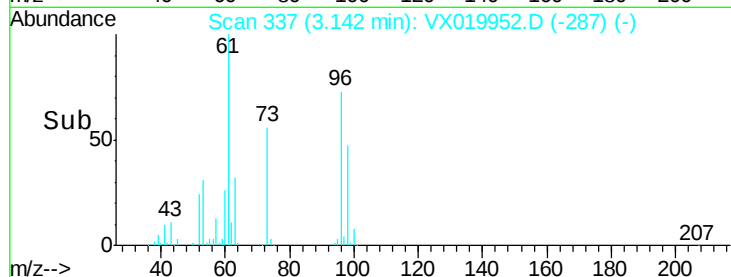
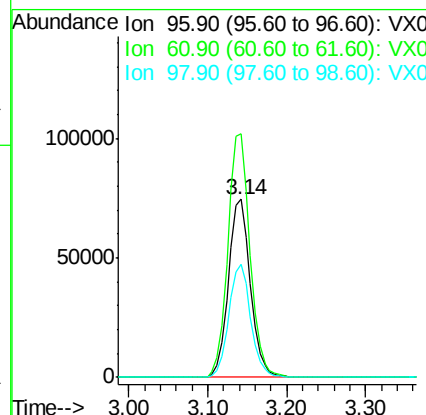
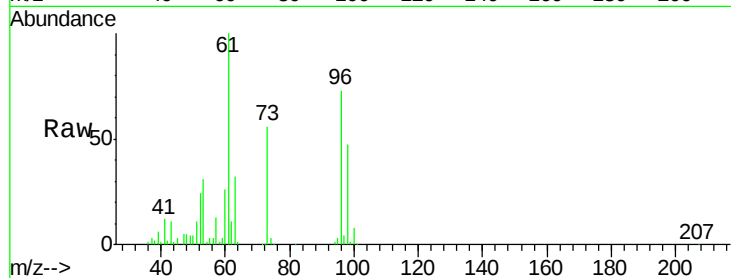
98 63.6 50.4 75.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 57.237 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.01 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Tgt Ion: 45 Resp: 474749

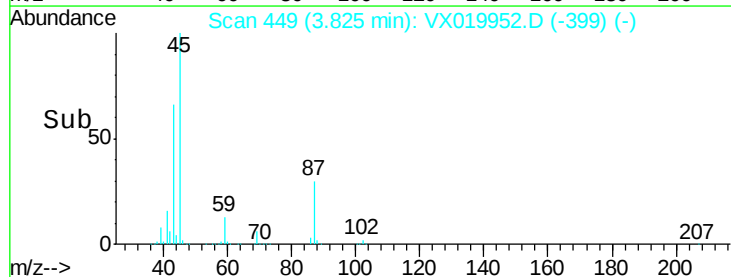
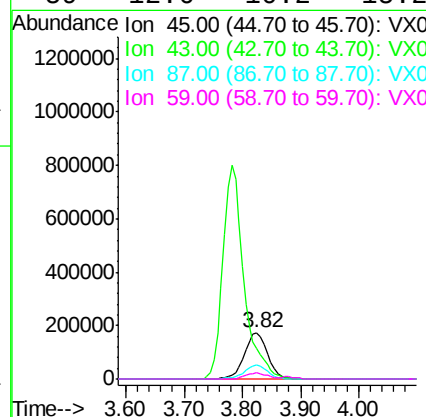
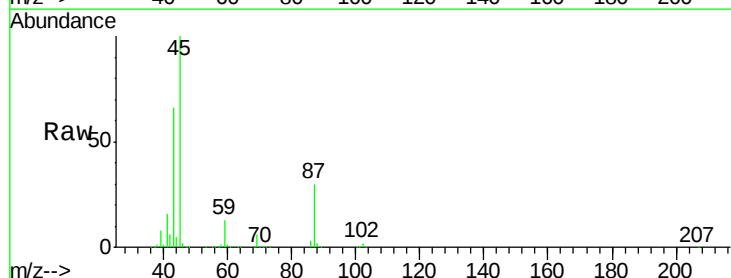
Ion Ratio Lower Upper

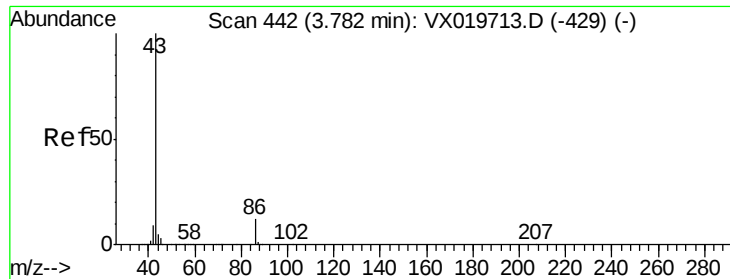
45 100

43 65.6 58.0 87.0

87 30.0 25.4 38.0

59 12.6 10.2 15.2





#23

Vinyl Acetate

Concen: 284.346 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2009312

Ion Ratio Lower Upper

43 100

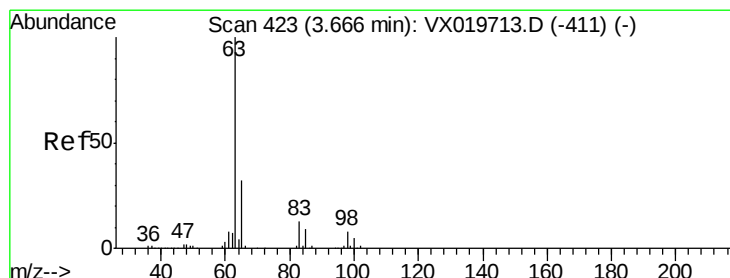
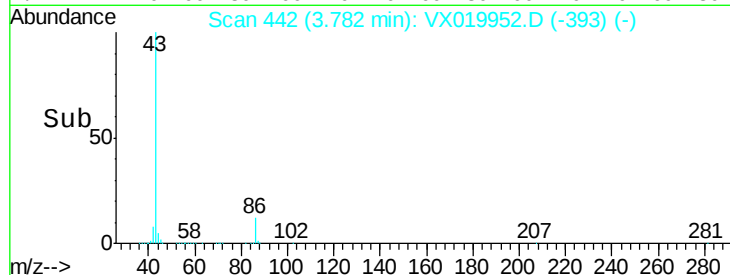
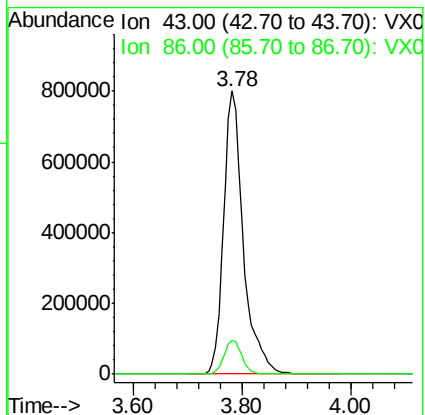
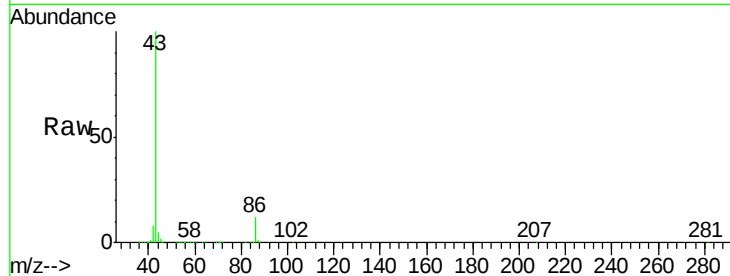
86 12.1 9.9 14.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 54.302 ug/l

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

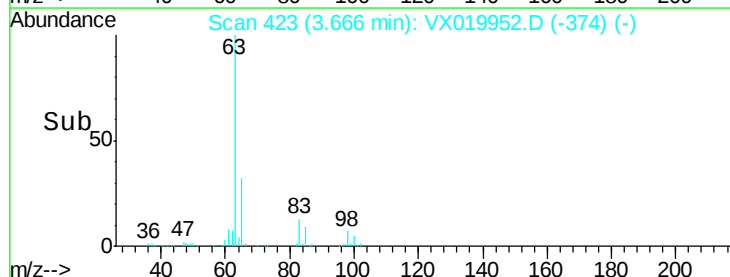
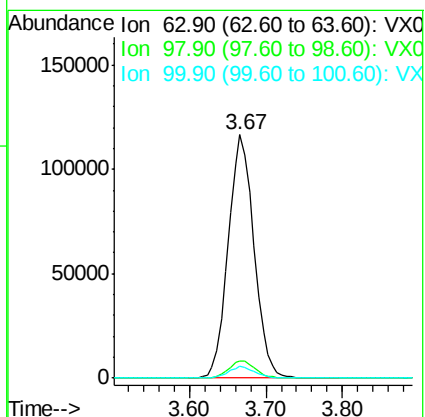
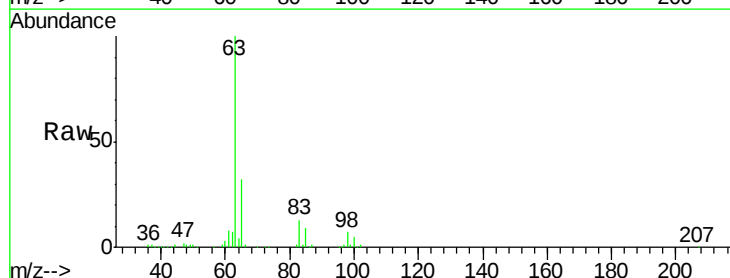
Tgt Ion: 63 Resp: 271603

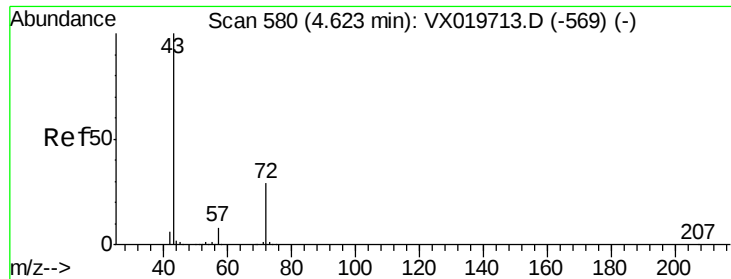
Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

100 4.7 2.5 7.5





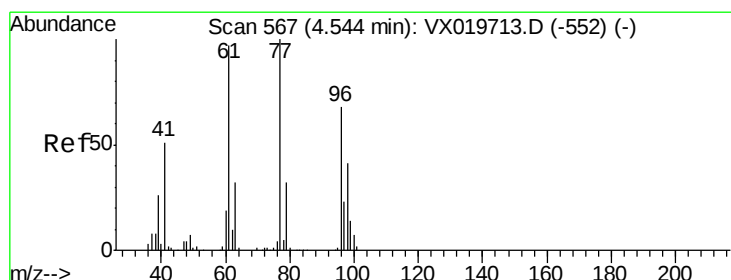
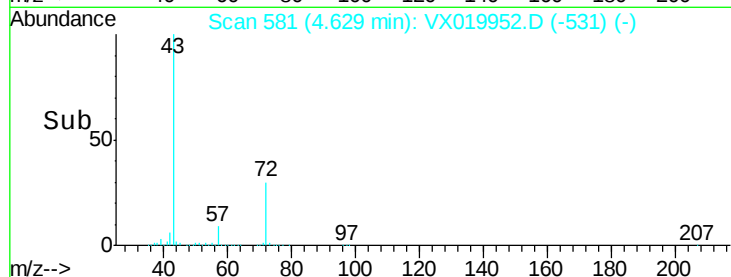
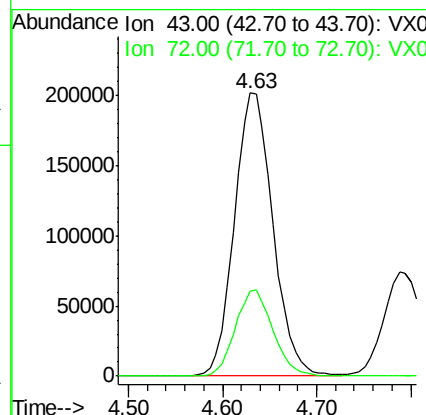
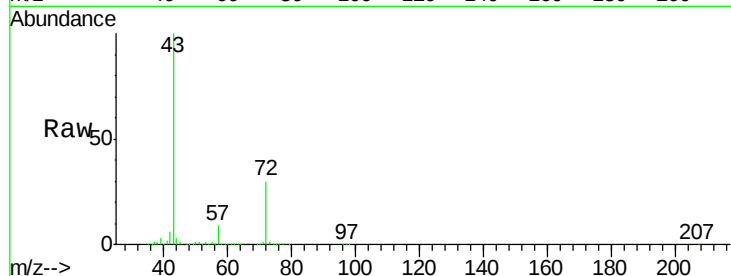
#25
2-Butanone
Concen: 284.384 ug/l
RT: 4.63 min Scan# 581
Delta R.T. 0.01 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 572311
Ion Ratio Lower Upper
43 100
72 29.9 23.7 35.5

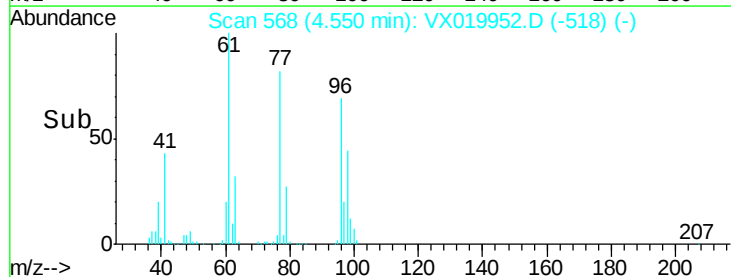
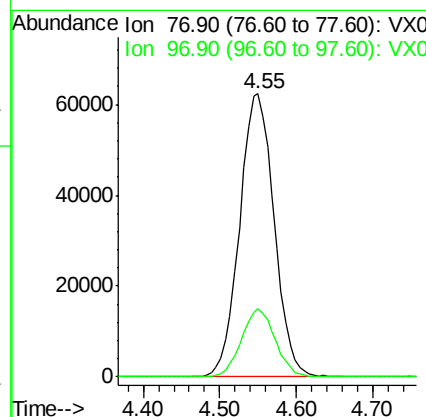
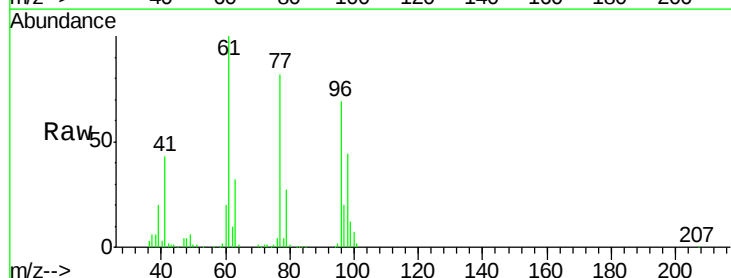
Manual Integrations
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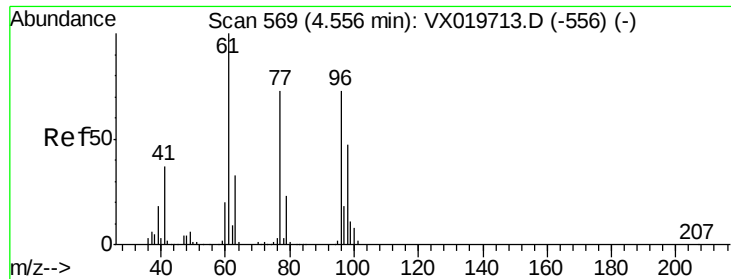
MMDadoda
12/15/2020 4:49:34 PM



#26
2,2-Dichloropropane
Concen: 45.281 ug/l
RT: 4.55 min Scan# 568
Delta R.T. 0.01 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion: 77 Resp: 195043
Ion Ratio Lower Upper
77 100
97 23.5 11.7 35.1





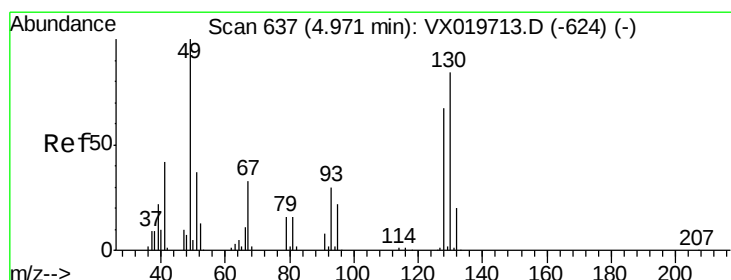
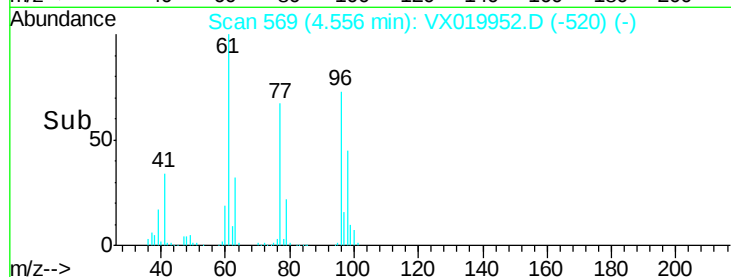
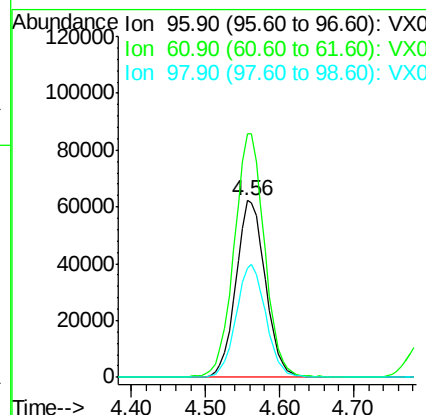
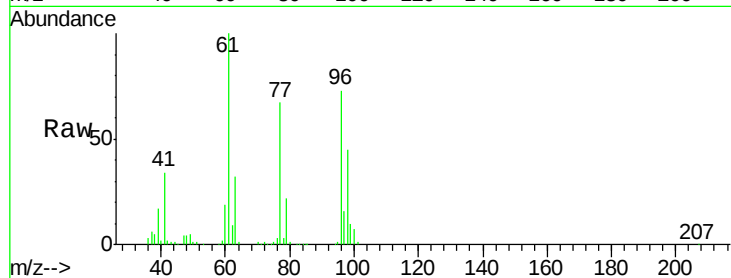
#27
 cis-1,2-Dichloroethene
 Concen: 52.144 ug/l
 RT: 4.56 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.6	0.0	285.6	
98	64.2	0.0	129.6	

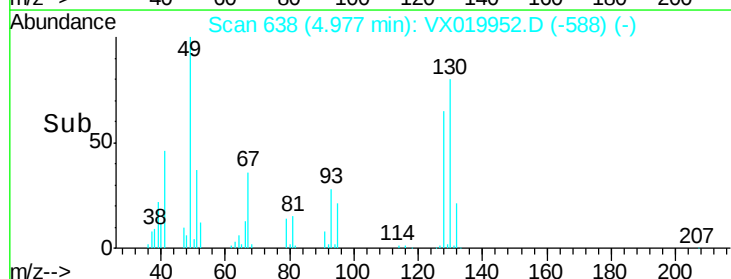
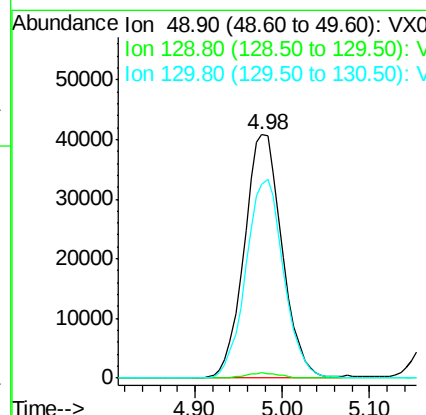
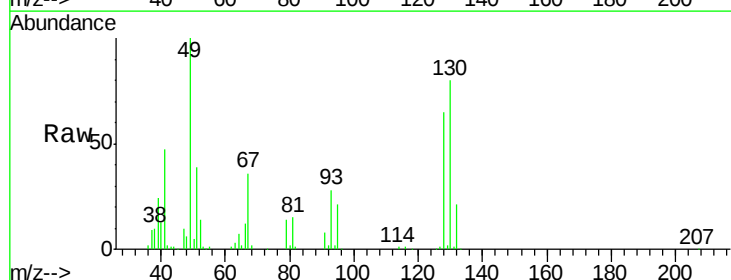
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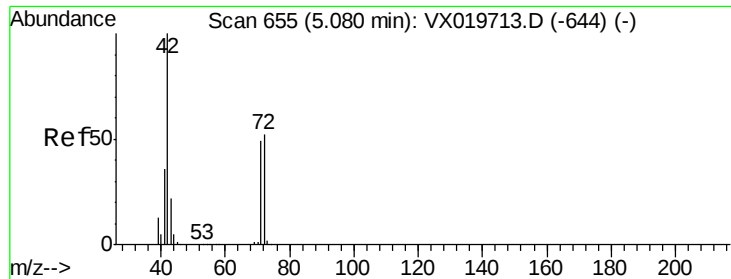
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 12/15/2020 4:49:34 PM



#28
 Bromochloromethane
 Concen: 51.589 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	81.3	68.2	102.2	





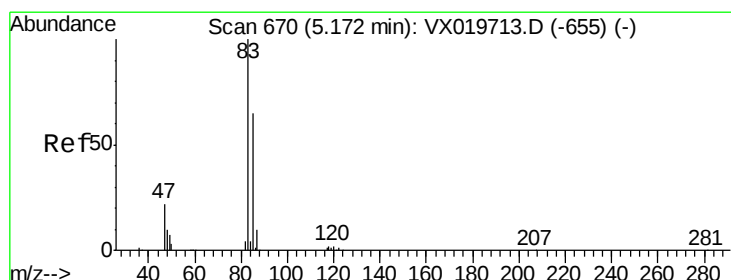
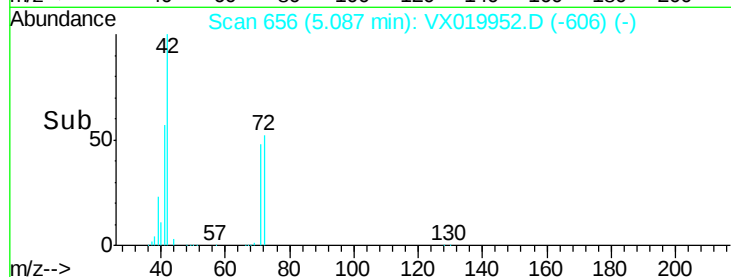
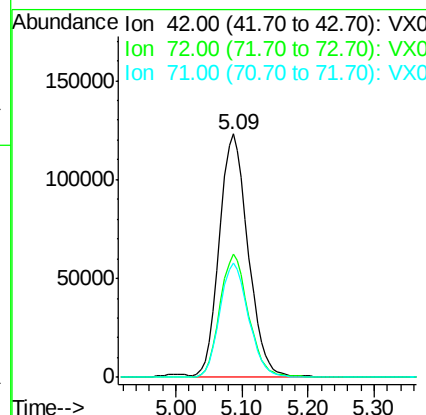
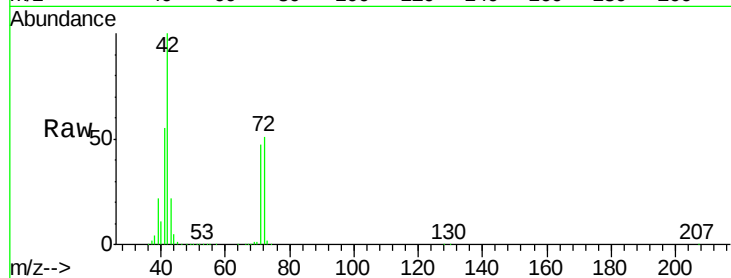
#29
Tetrahydrofuran
Concen: 285.992 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	41.7	62.5
71	47.0	38.4	57.6

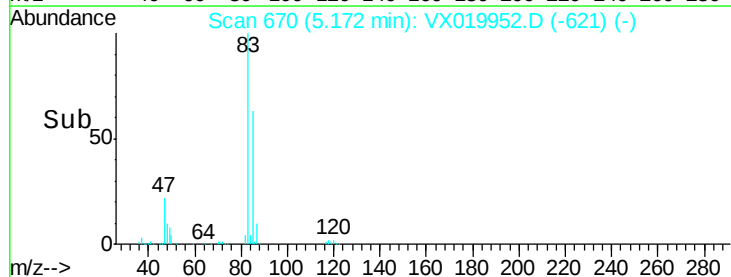
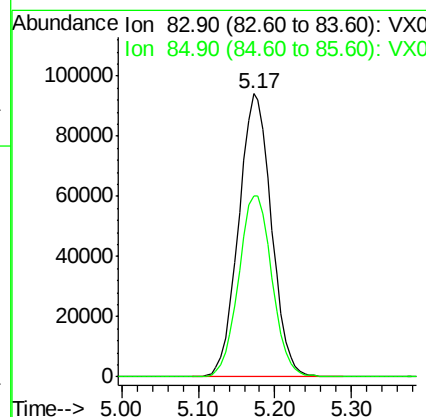
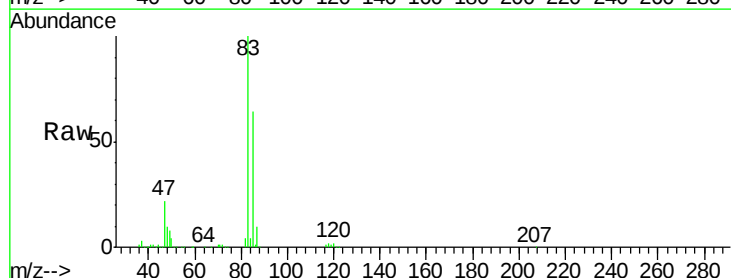
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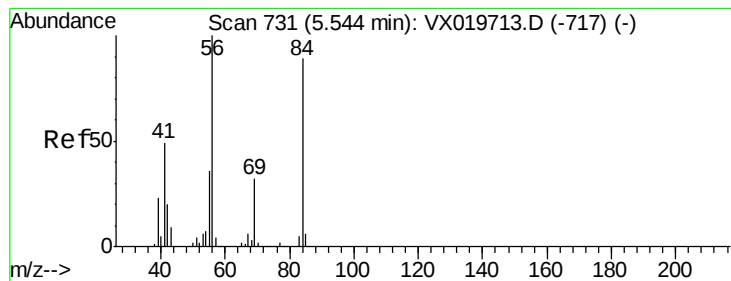
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#30
Chloroform
Concen: 54.364 ug/l
RT: 5.17 min Scan# 670
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.0	78.0





#31

Cvclohexane

Concen: 52.660 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

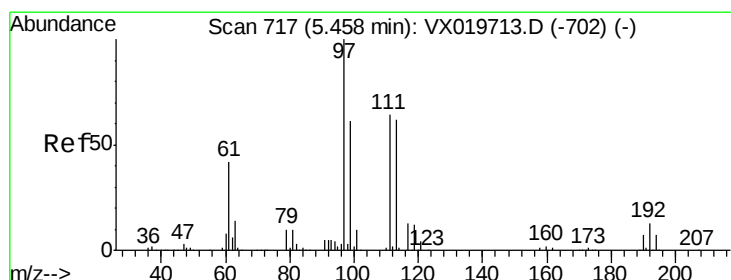
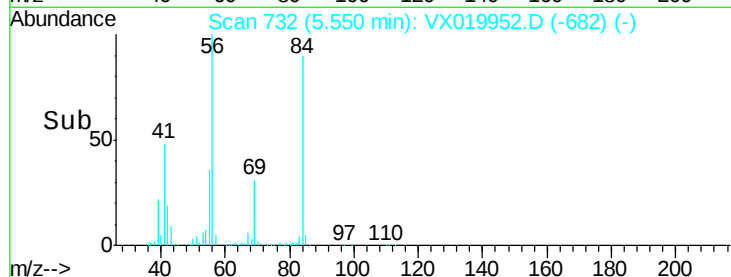
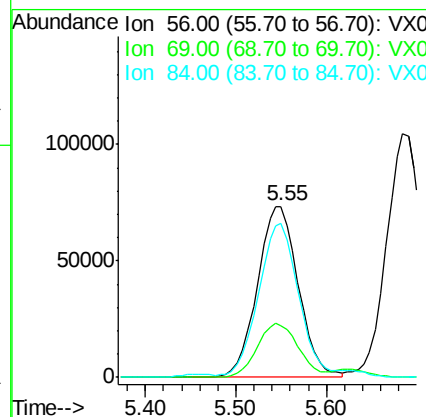
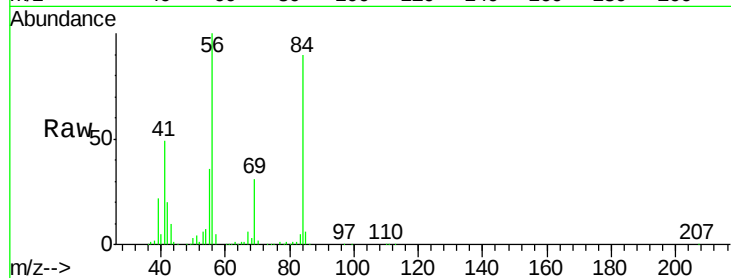
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	228243
Ion Ratio	Lower	Upper	
56	100		
69	30.6	25.3	37.9
84	88.2	71.4	107.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.363 ug/l

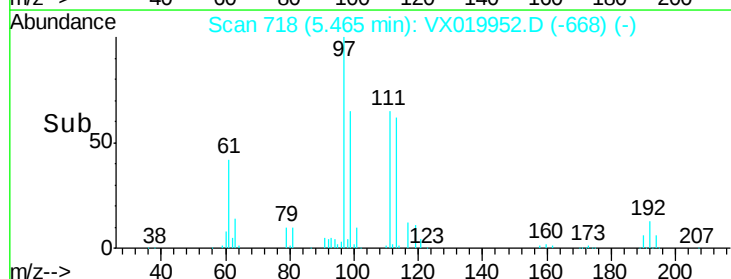
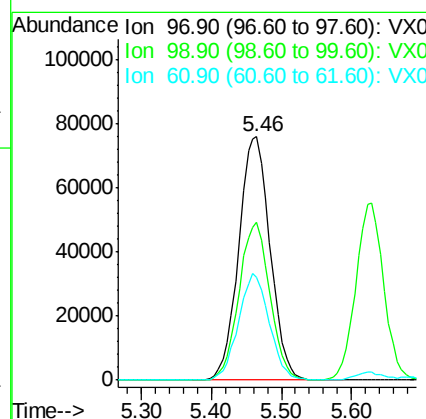
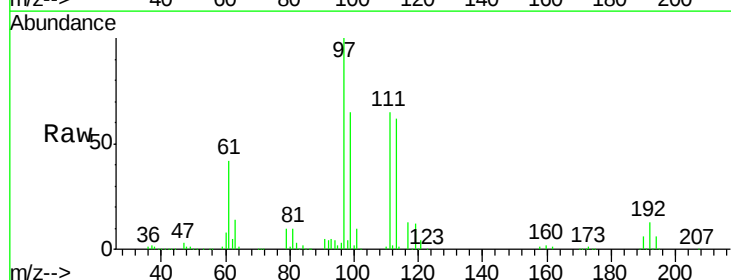
RT: 5.46 min Scan# 718

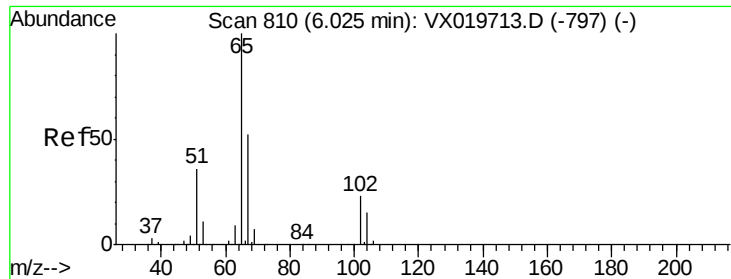
Delta R.T. 0.01 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Tgt Ion:	97	Resp:	236342
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.5	77.3
61	42.9	34.2	51.4





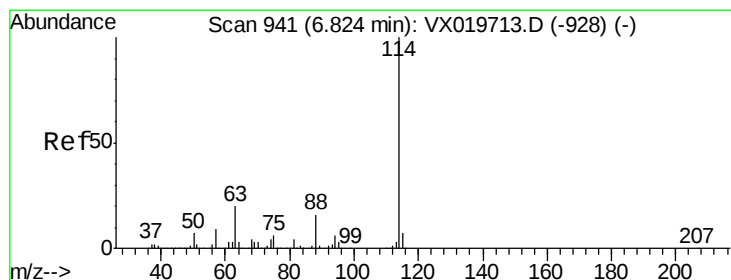
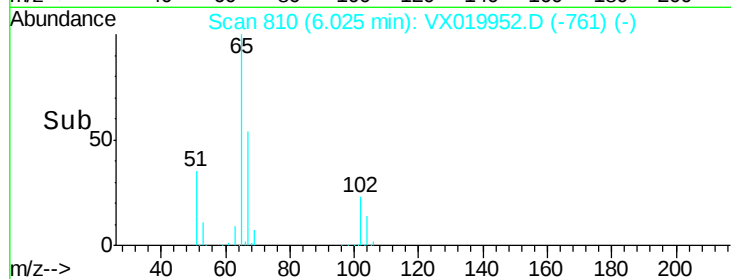
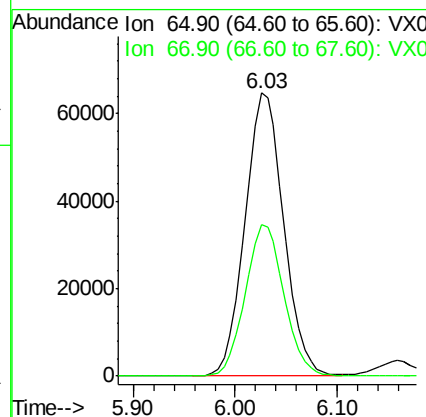
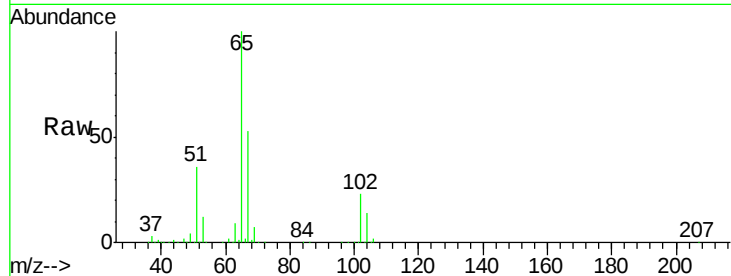
#33
 1,2-Dichloroethane-d4
 Concen: 49.032 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	170844		
67	53.5	0.0	105.4	

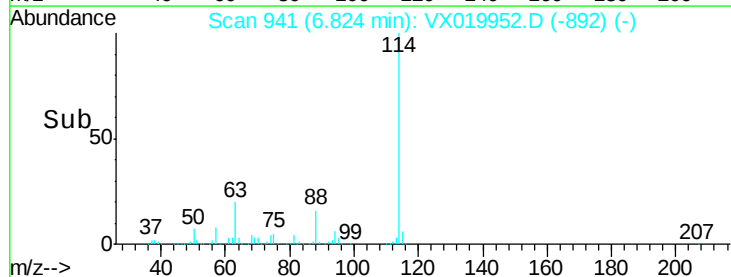
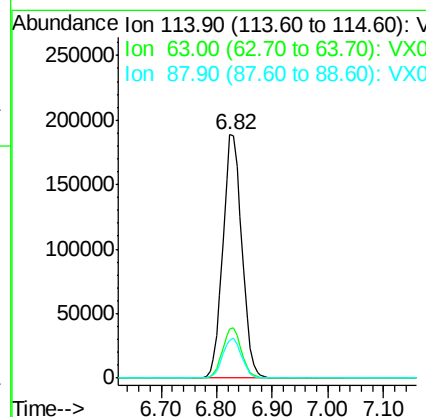
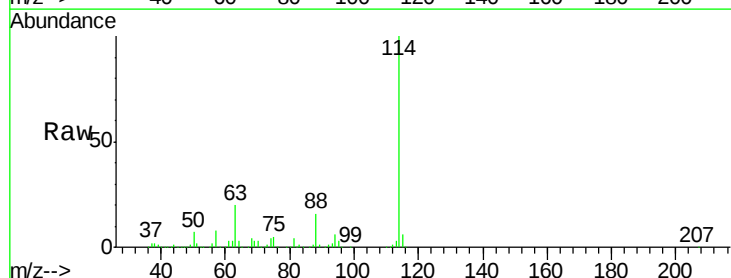
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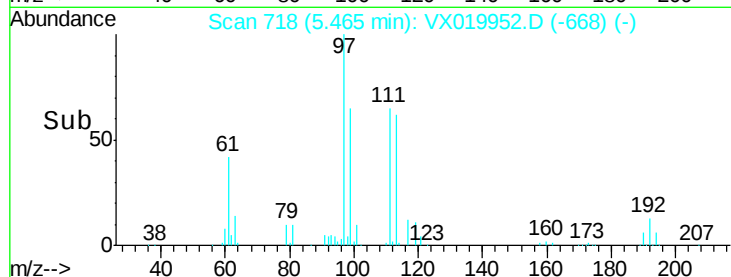
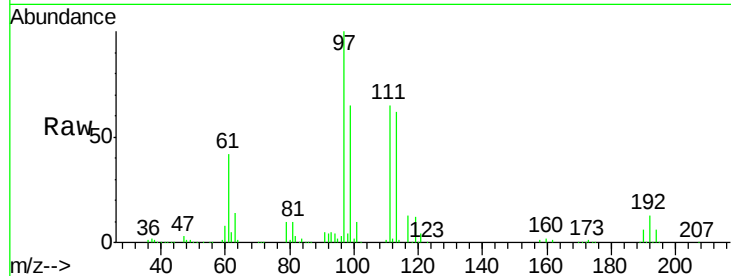
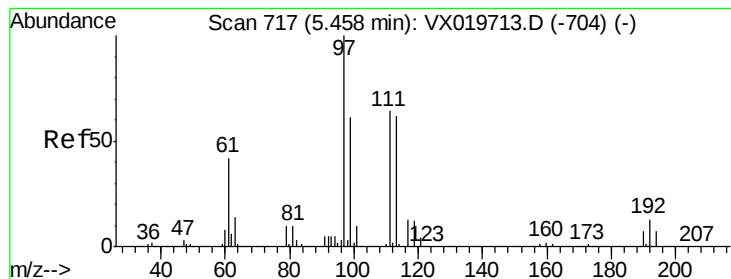
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	446261		
63	20.4	0.0	40.8	
88	15.6	0.0	32.8	





#35

Dibromofluoromethane

Concen: 47.760 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019952.D

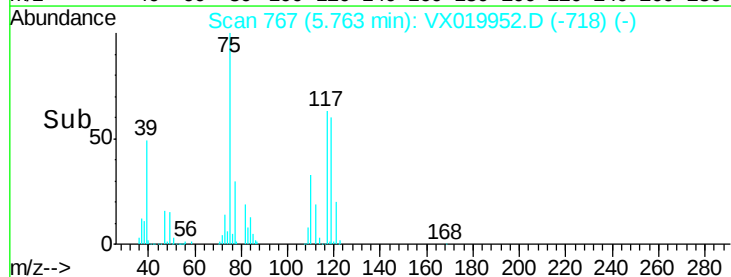
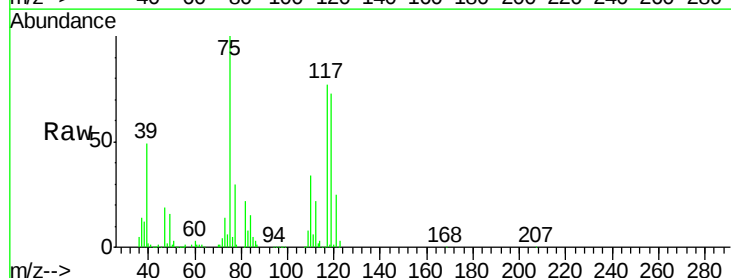
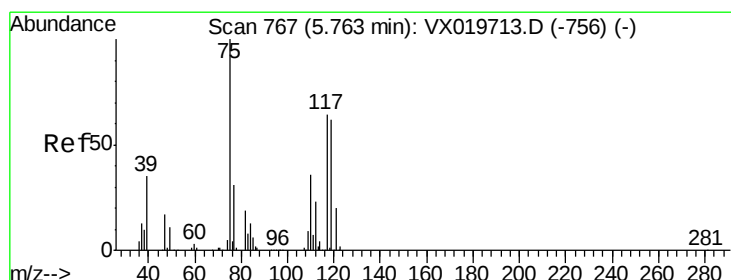
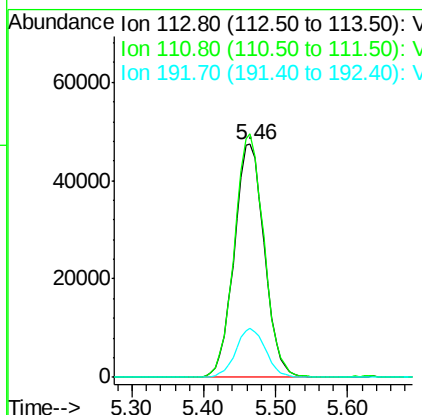
Acq: 12 Dec 2020 23:00

Tot Ion	113	Resp	137745
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	20.7	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.895 ug/l

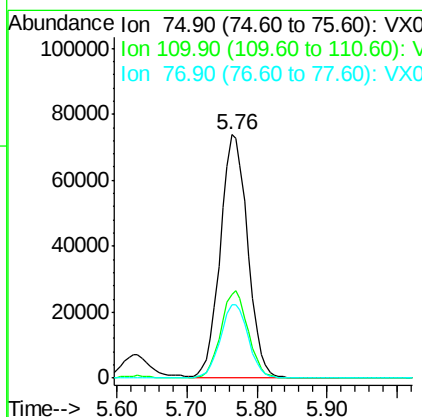
RT: 5.76 min Scan# 767

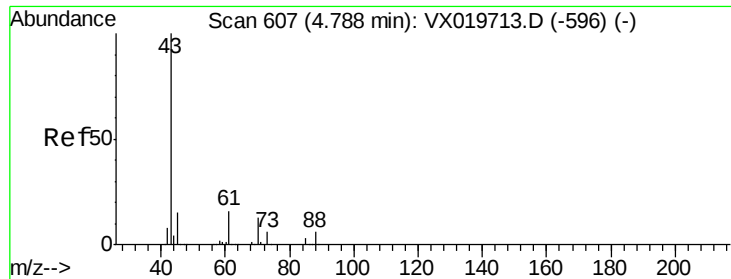
Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Tgt Ion	75	Resp	201207
Ion	Ratio	Lower	Upper
75	100		
110	35.4	18.1	54.4
77	30.7	25.3	37.9





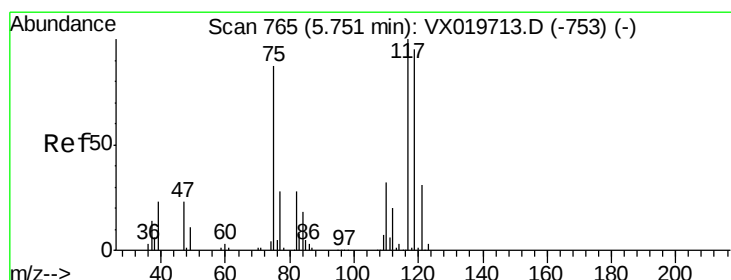
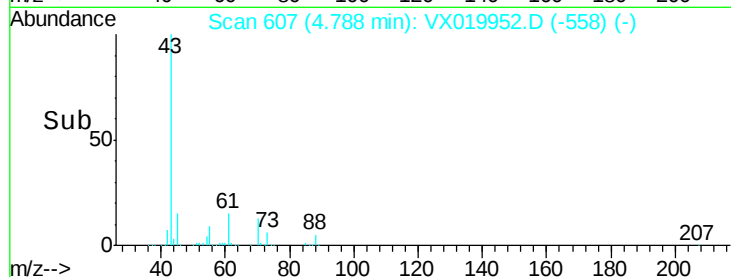
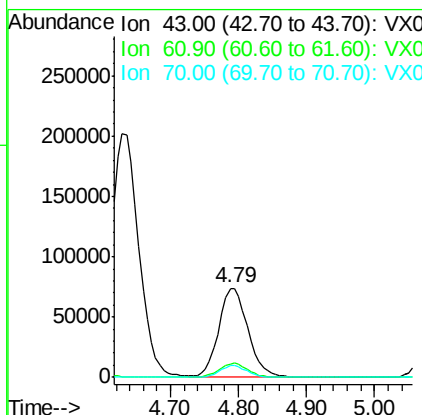
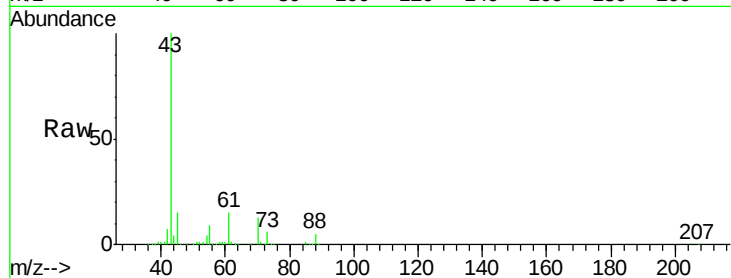
#37
Ethyl Acetate
Concen: 54.297 ug/l
RT: 4.79 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.8	19.2
70	12.7	10.5	15.7

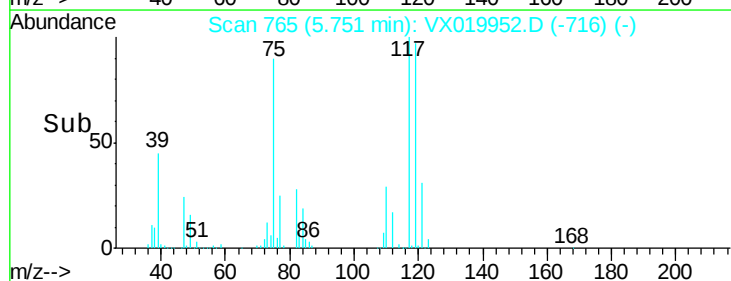
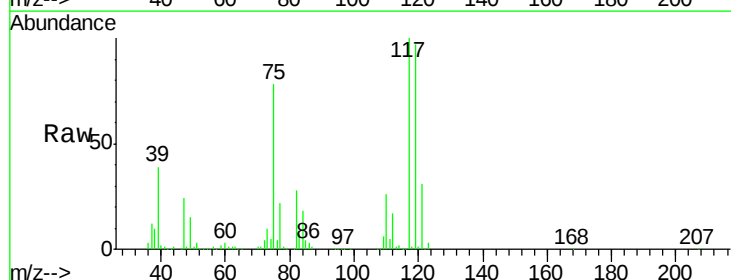
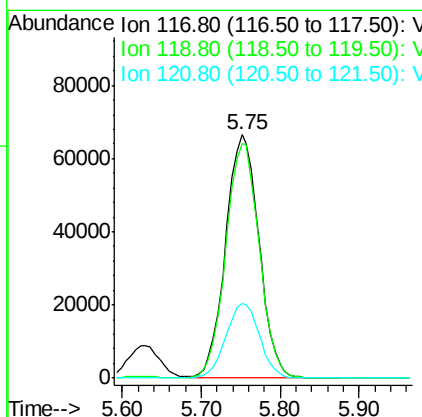
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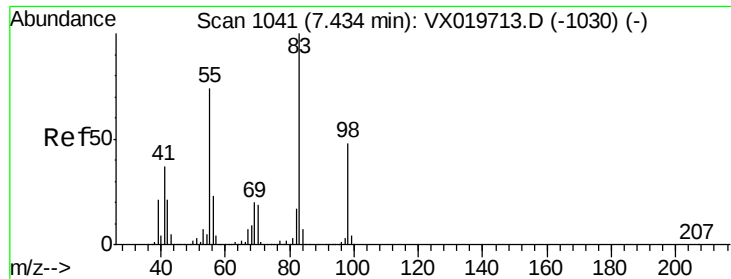
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#38
Carbon Tetrachloride
Concen: 49.641 ug/l
RT: 5.75 min Scan# 765
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.2	114.2
121	30.9	24.8	37.2





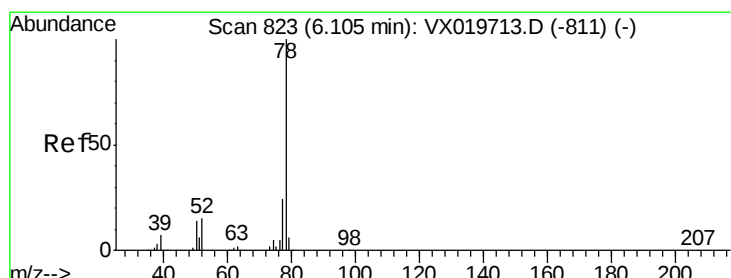
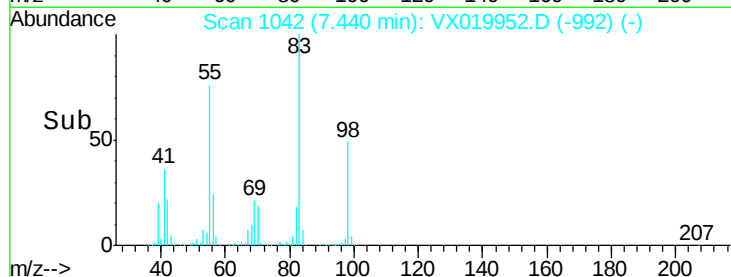
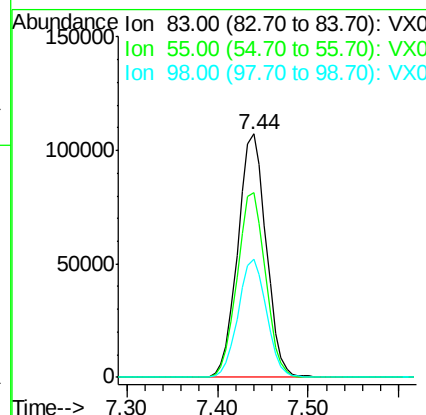
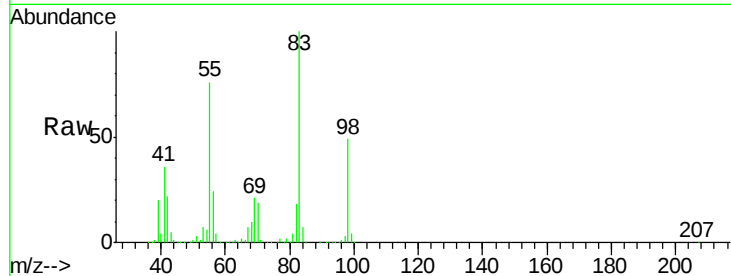
#39
Methvlcvclohexane
Concen: 49.107 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	232657		
55	75.7		58.9	88.3
98	48.7		38.1	57.1

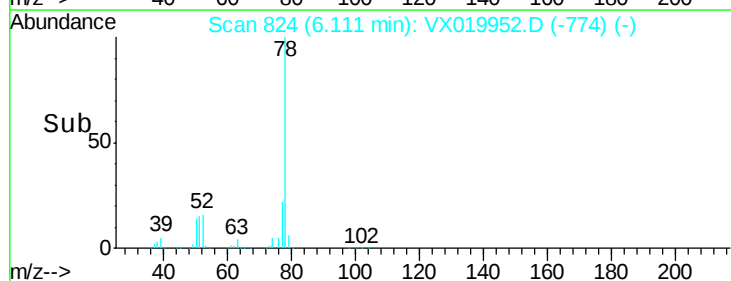
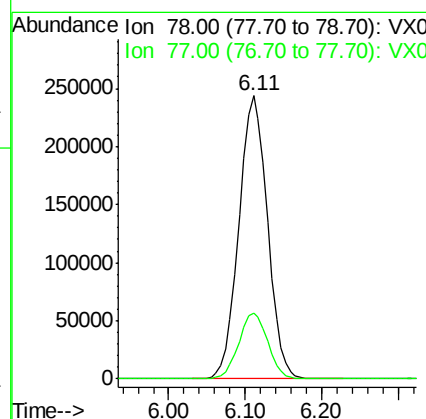
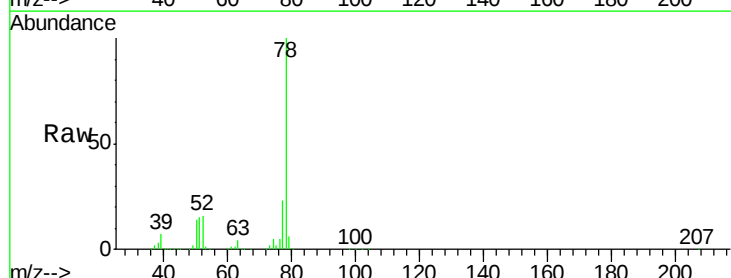
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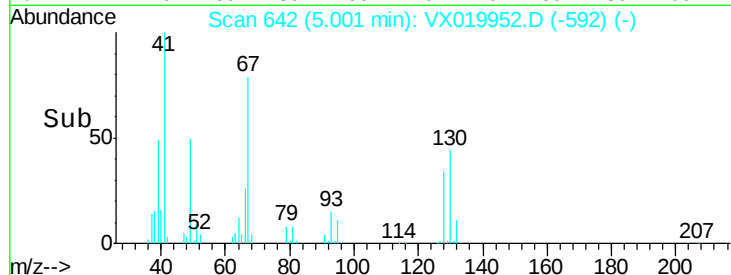
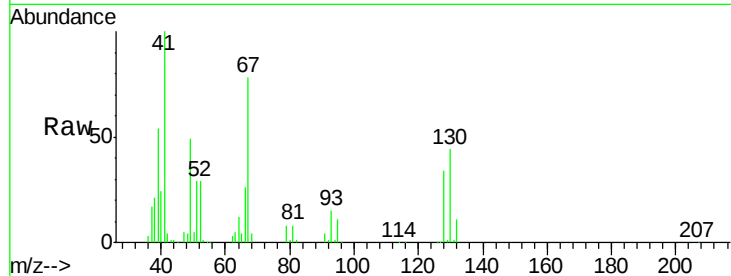
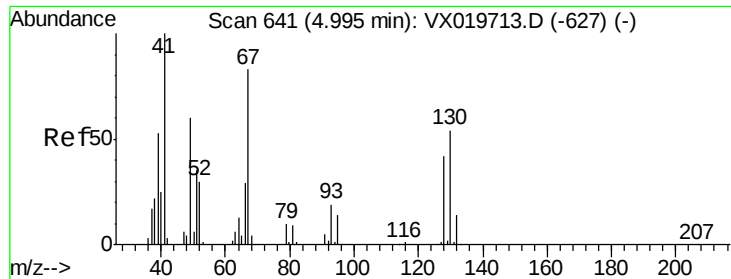
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12/15/2020 4:49:34 PM



#40
Benzene
Concen: 51.218 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	630919		
77	23.1		18.9	28.3





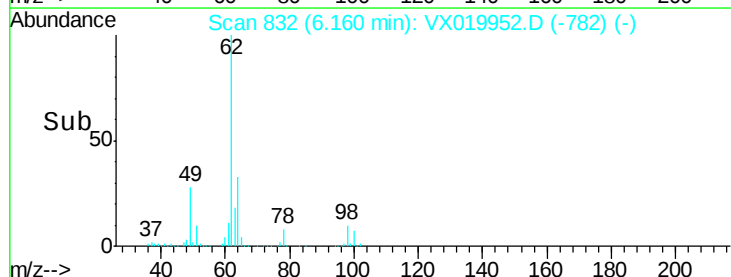
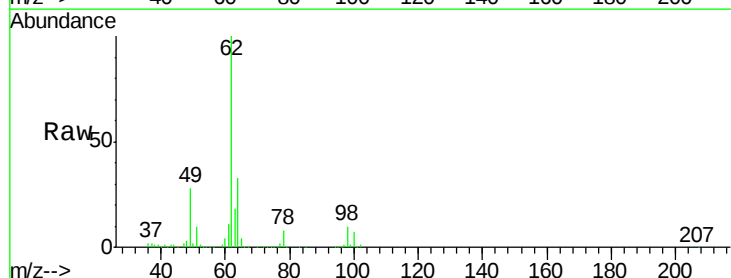
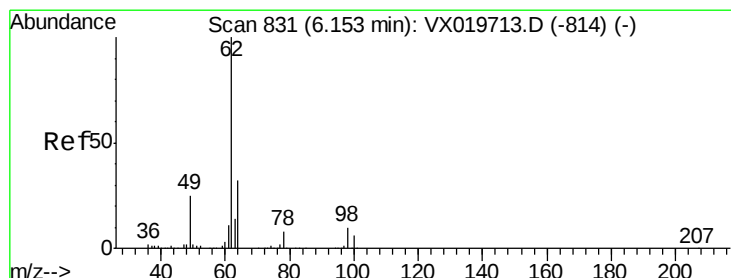
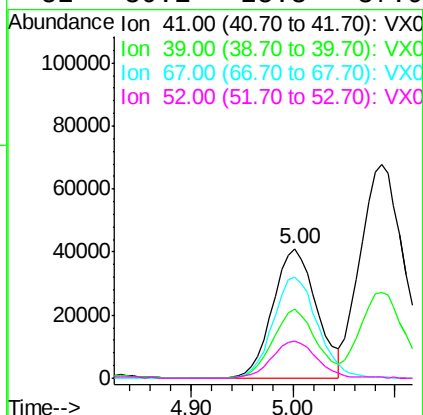
#41
Methacrylonitrile
Concen: 55.123 ug/l
RT: 5.00 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		123225		
39	52.7	42.5	63.7		
67	79.4	65.0	97.6		
52	30.1	25.3	37.9		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

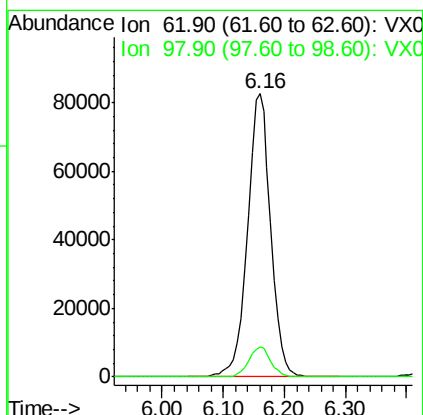
Manual Integrations
APPROVED

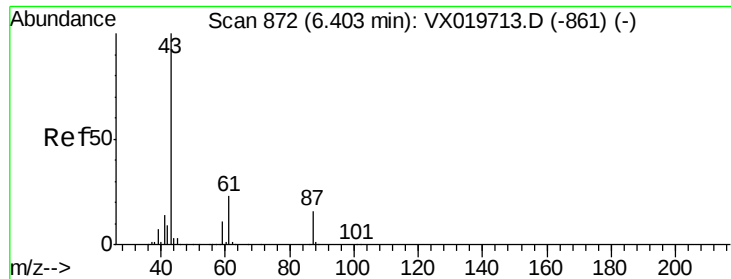
MMDadoda
12/15/2020 4:49:34 PM



#42
1,2-Dichloroethane
Concen: 51.860 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		218265		
98	10.1	0.0	20.2		





#43

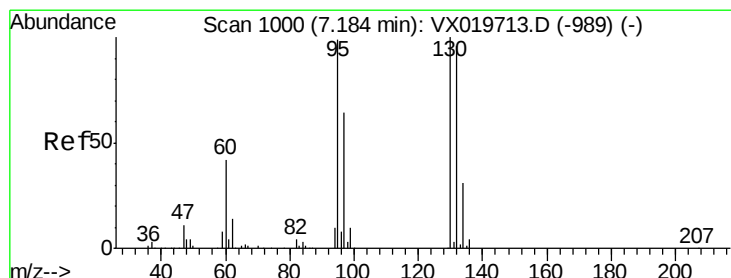
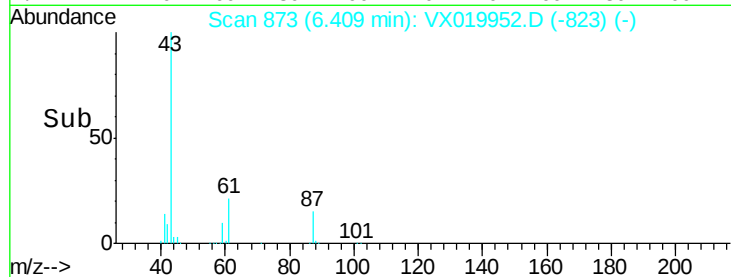
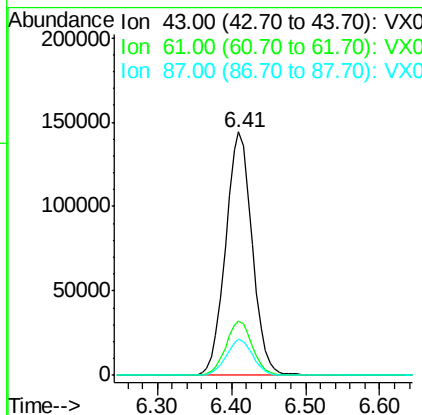
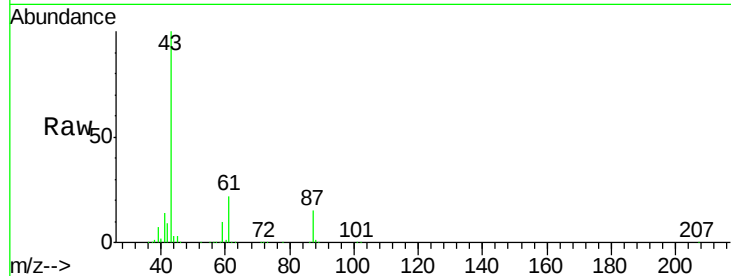
Isopropyl Acetate
 Concen: 53.939 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.5	18.2	27.4
87	14.9	12.5	18.7

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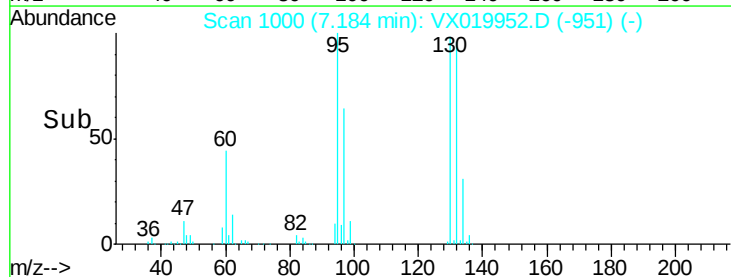
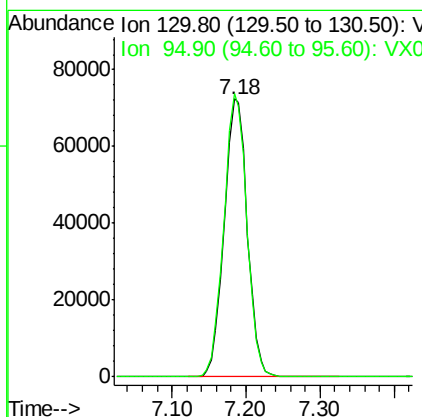
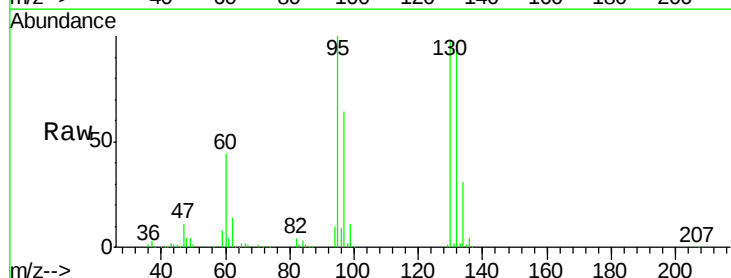
MMDadoda
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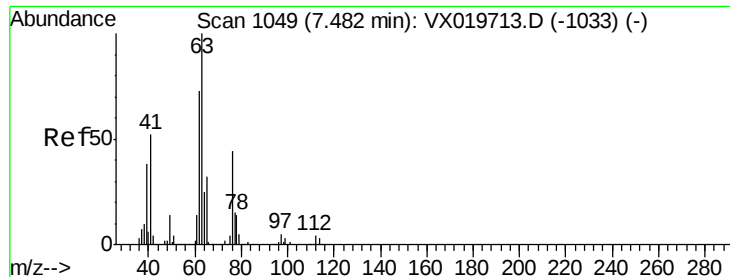


#44

Trichloroethene
 Concen: 48.623 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	198.0





#45

1,2-Dichloropropane

Concen: 53.081 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 163421

Ion Ratio Lower Upper

63 100

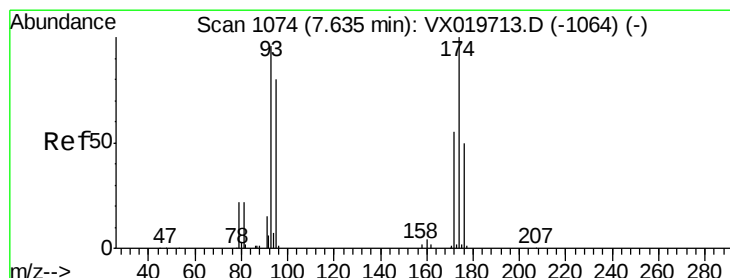
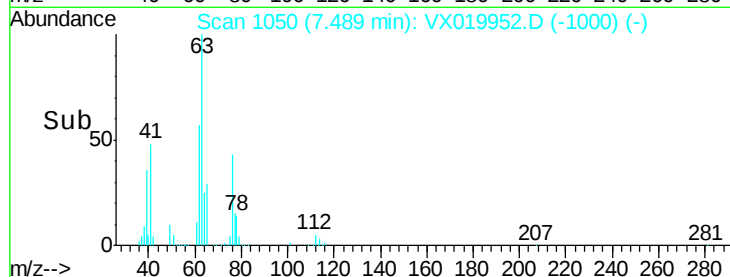
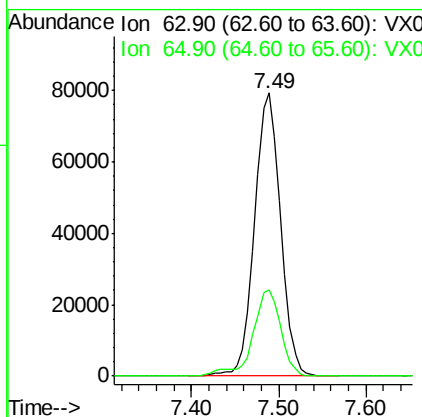
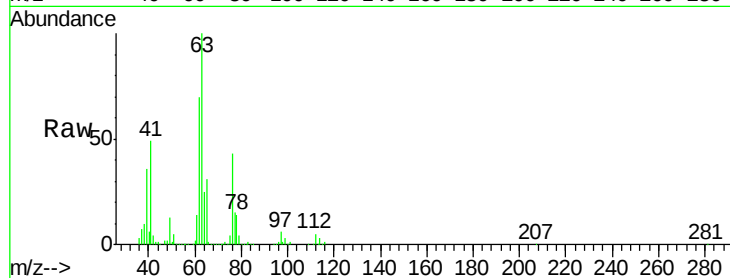
65 30.6 25.7 38.5

Manual Integrations

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#46

Dibromomethane

Concen: 51.602 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

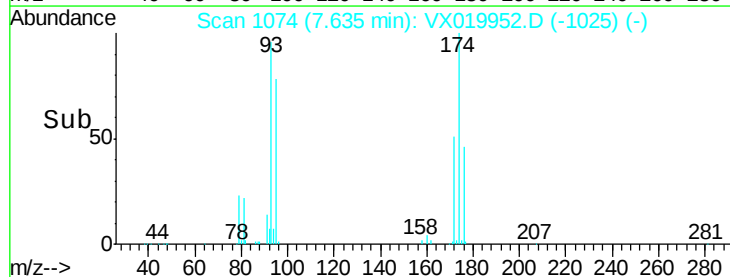
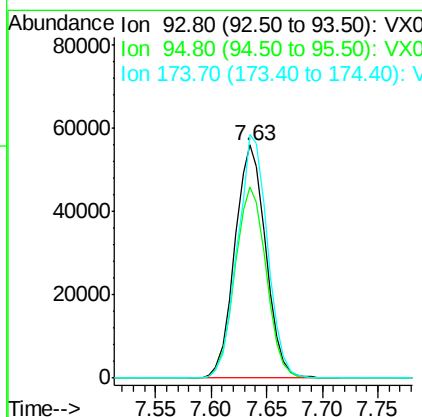
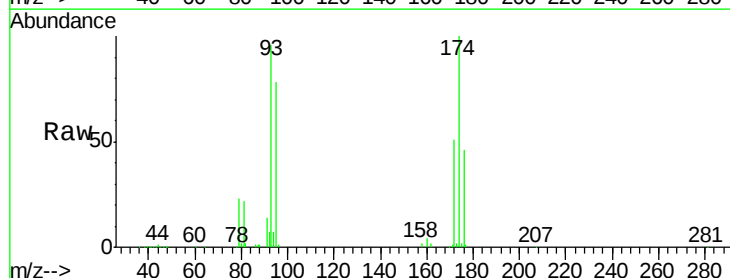
Tgt Ion: 93 Resp: 107283

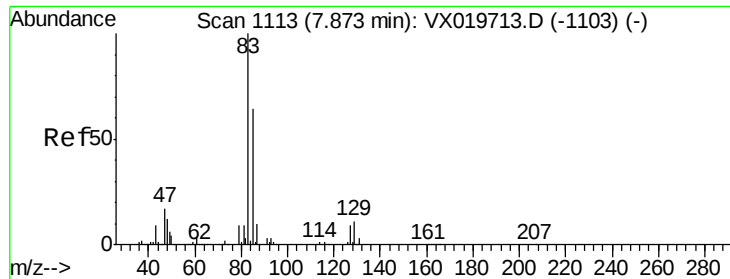
Ion Ratio Lower Upper

93 100

95 82.9 66.8 100.2

174 102.5 83.1 124.7





#47

Bromodichloromethane

Concen: 52.471 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

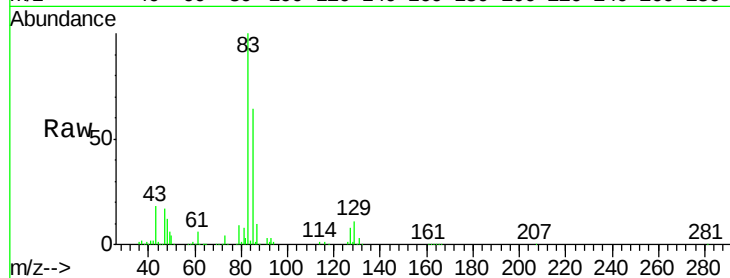
ClientSampleId :

VSTDCCC050EC

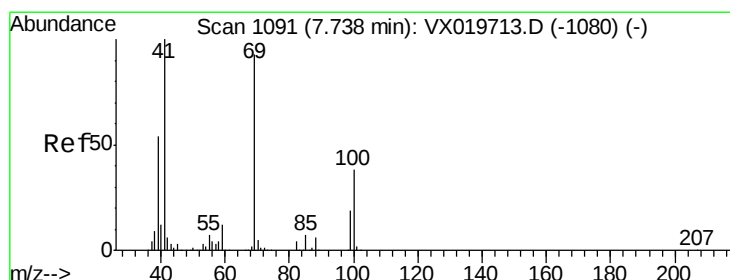
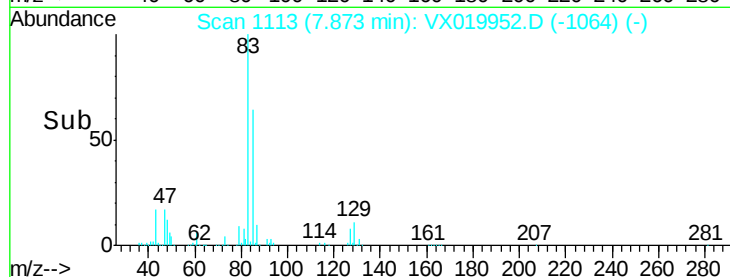
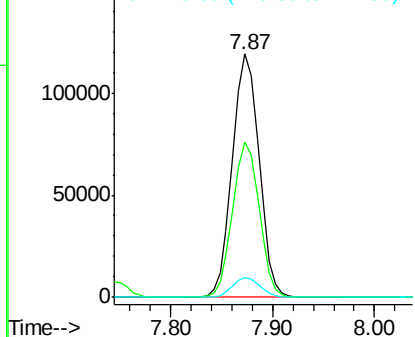
Tot Ion:	83	Resp:	216473
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.4	77.0
127	8.2	6.8	10.2

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



#48

Methyl methacrylate

Concen: 54.291 ug/l

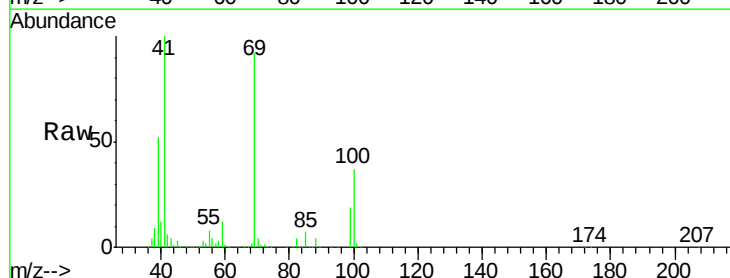
RT: 7.74 min Scan# 1092

Delta R.T. 0.01 min

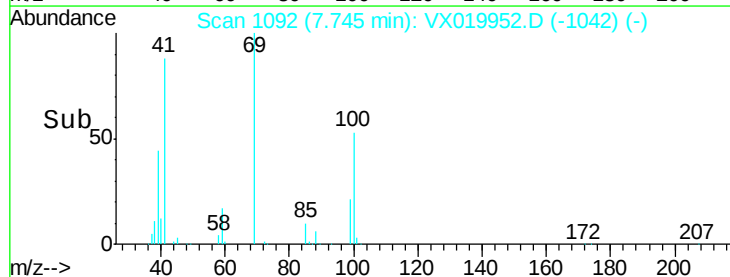
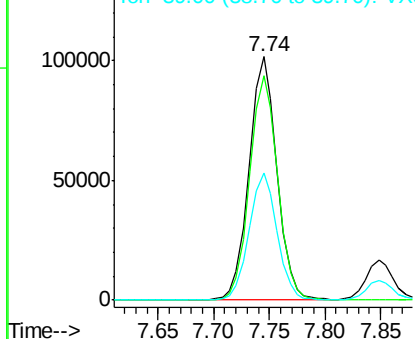
Lab File: VX019952.D

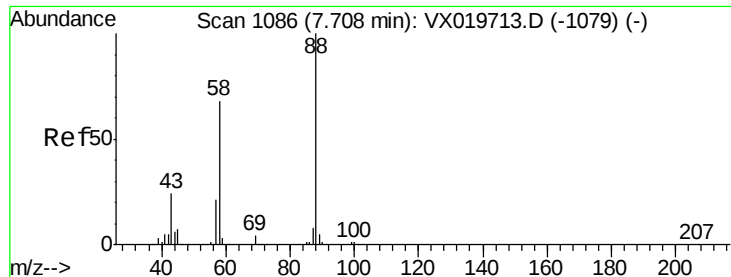
Acq: 12 Dec 2020 23:00

Tgt Ion:	41	Resp:	176748
Ion Ratio	Lower	Upper	
41	100		
69	93.3	76.0	114.0
39	53.0	44.6	67.0



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





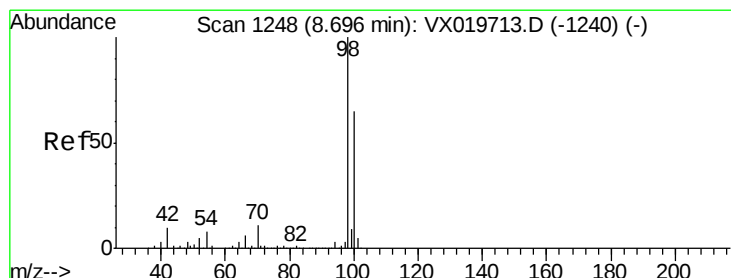
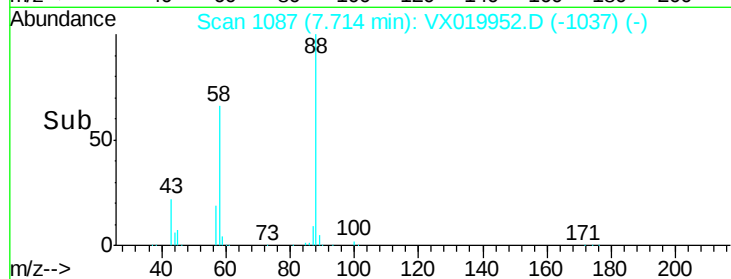
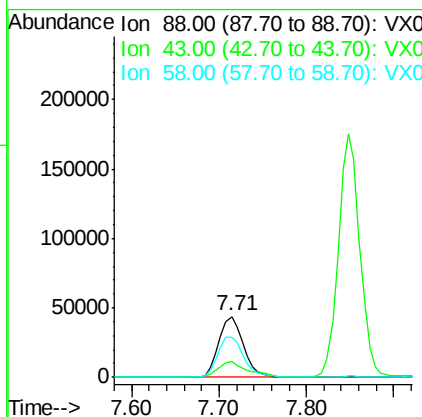
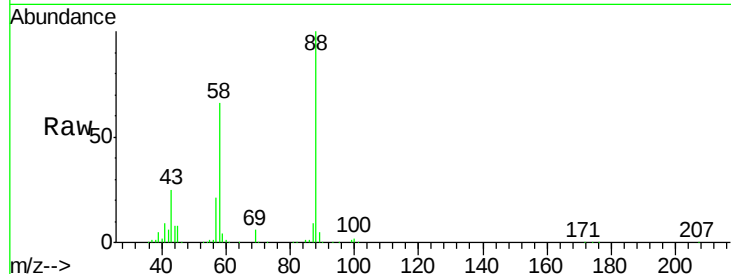
#49
1,4-Dioxane
Concen: 1088.868 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	23.2	34.8
58	70.4	55.0	82.4

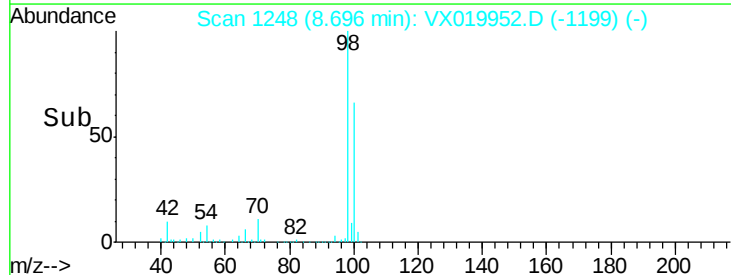
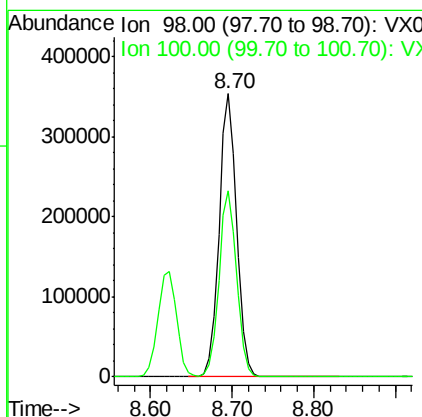
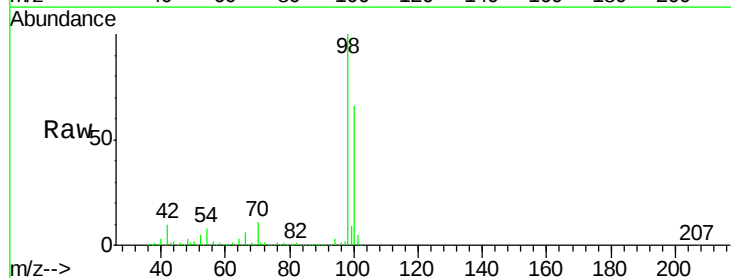
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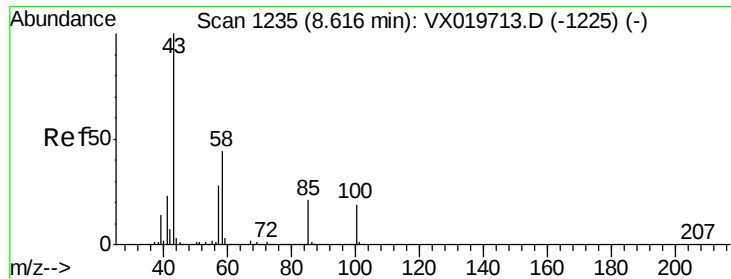
MMDadoda
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#50
Toluene-d8
Concen: 48.270 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	51.9	77.9





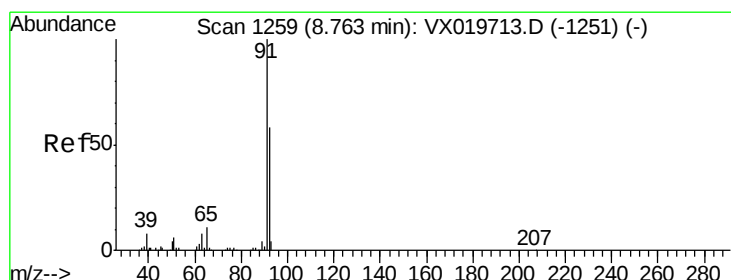
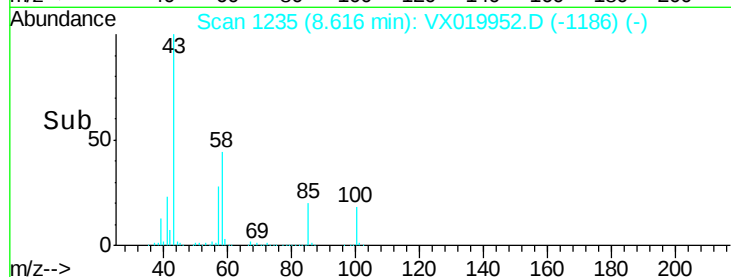
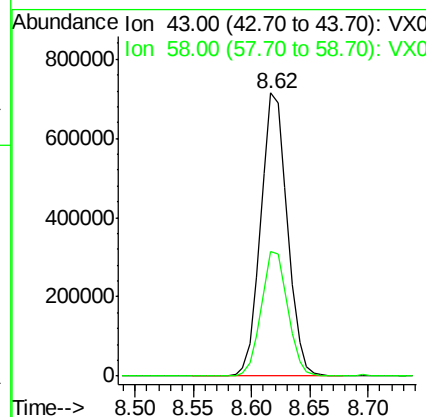
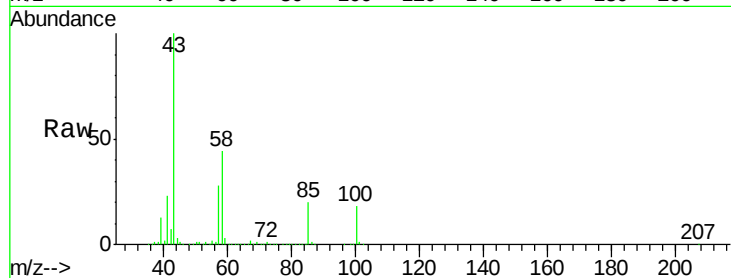
#51
4-Methyl-2-Pentanone
Concen: 280.742 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1134596
Ion Ratio Lower Upper
43 100
58 44.0 35.4 53.0

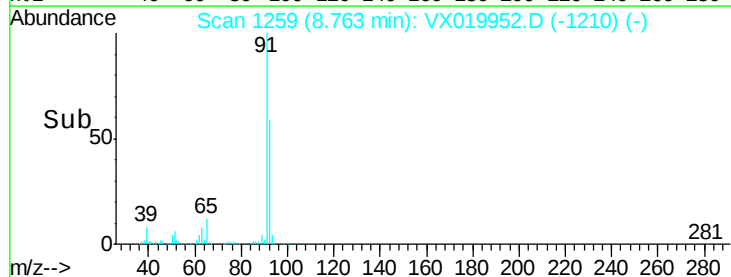
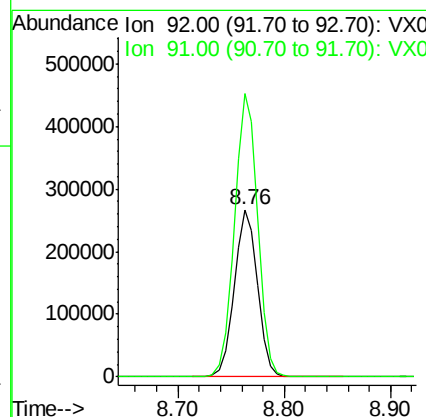
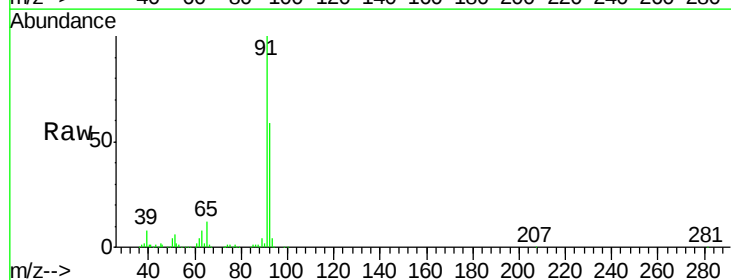
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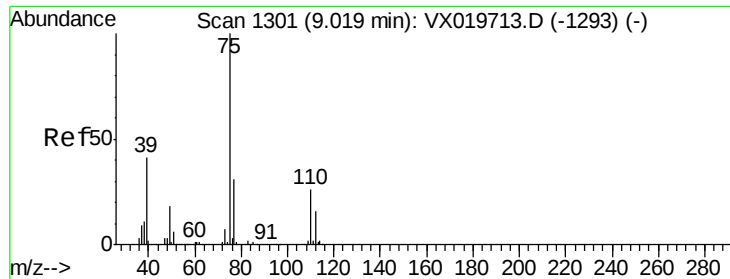
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#52
Toluene
Concen: 52.593 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion: 92 Resp: 405192
Ion Ratio Lower Upper
92 100
91 170.3 137.1 205.7





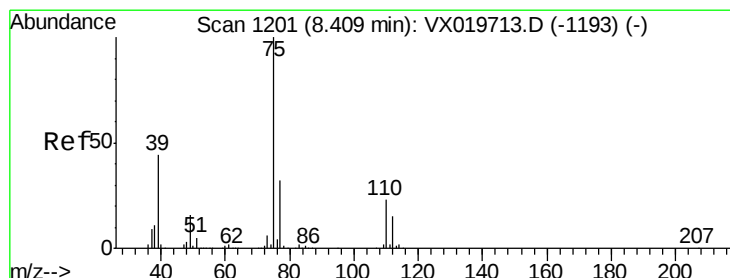
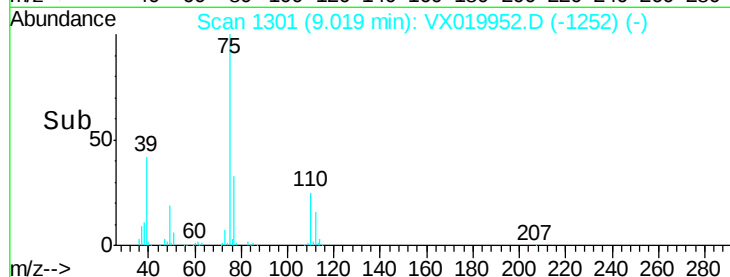
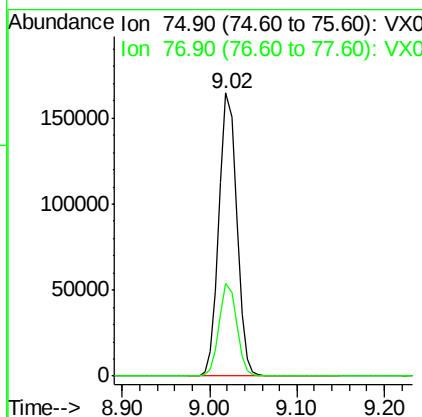
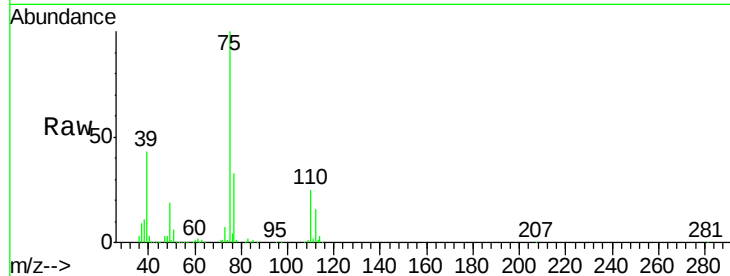
#53
 t-1,3-Dichloropropene
 Concen: 50.867 ug/l
 RT: 9.02 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 232873
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.9 37.3

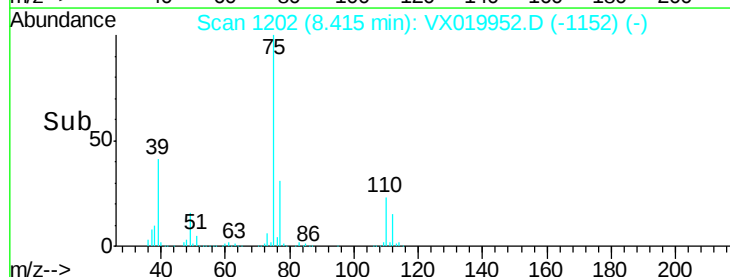
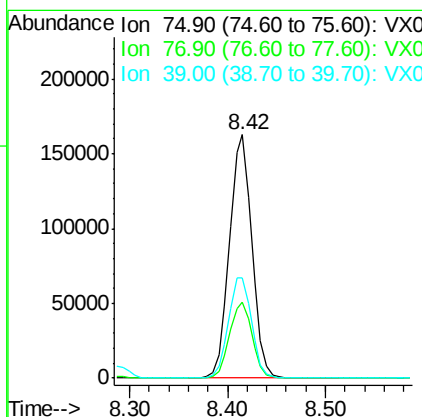
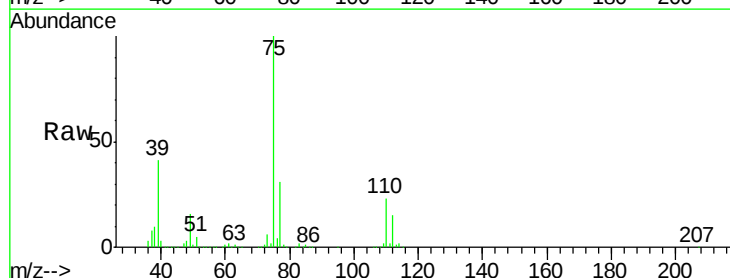
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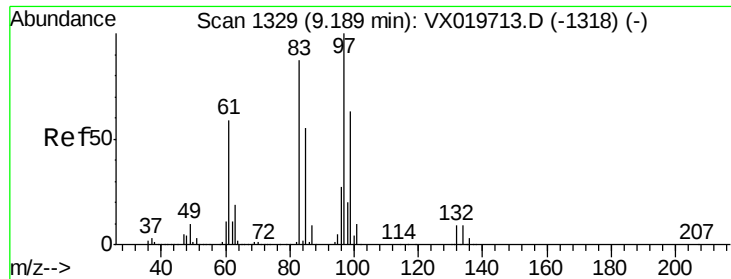
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#54
 cis-1,3-Dichloropropene
 Concen: 51.945 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Tgt Ion: 75 Resp: 258355
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.7 38.5
 39 41.1 35.1 52.7





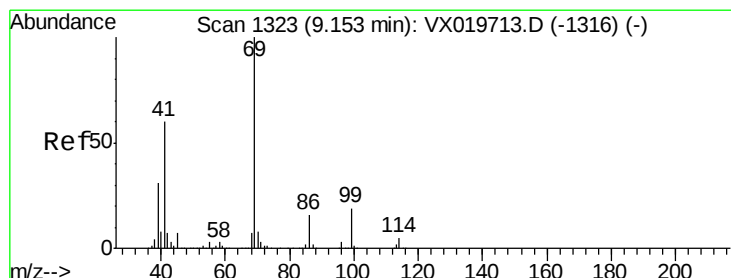
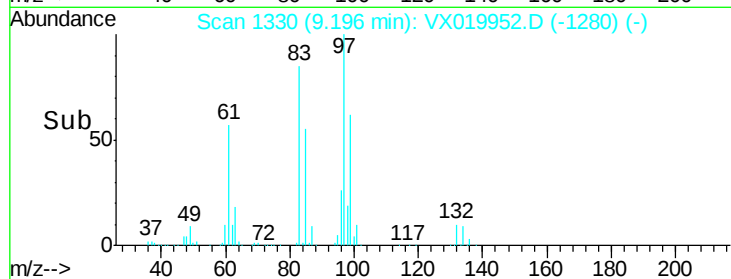
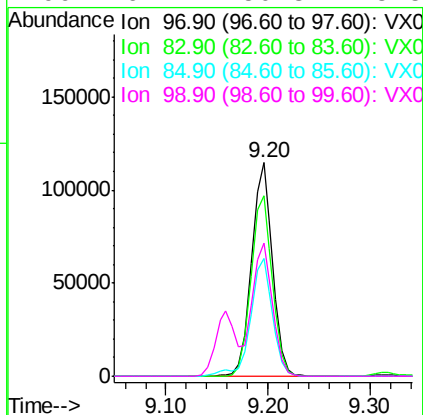
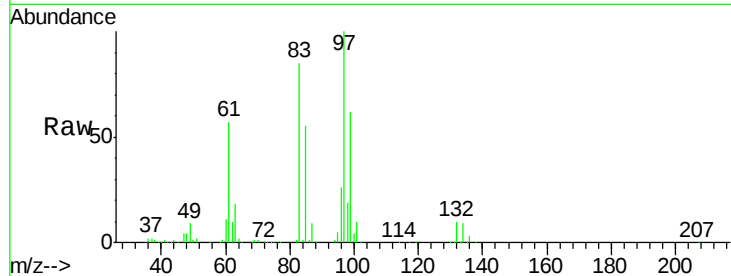
#55
 1,1,2-Trichloroethane
 Concen: 53.176 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.7	69.3	103.9
85	55.1	44.3	66.5
99	62.4	50.3	75.5

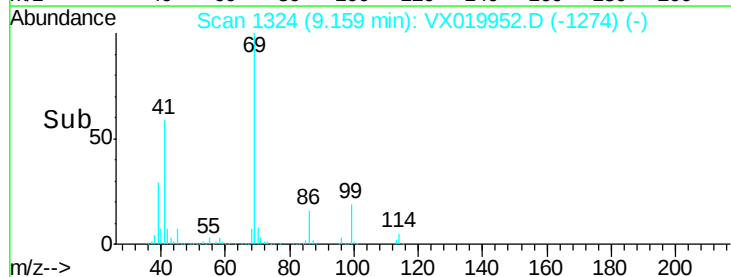
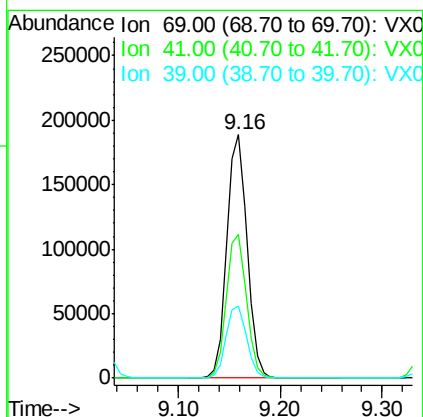
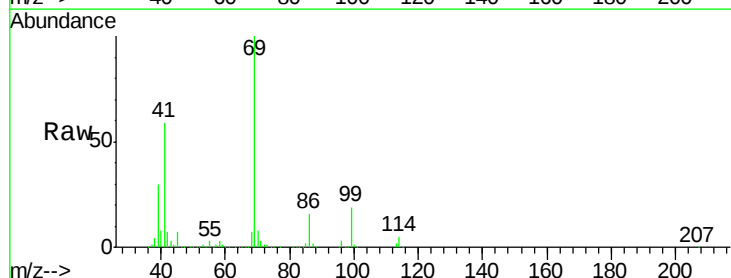
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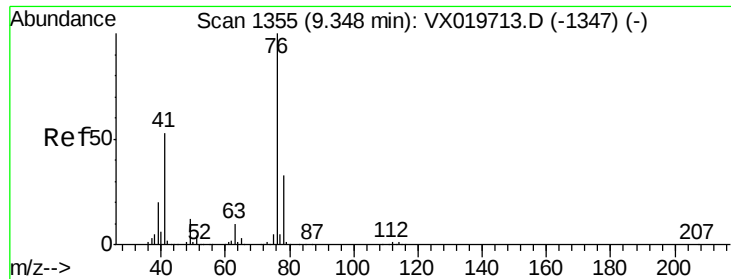
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#56
 Ethyl methacrylate
 Concen: 54.873 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.0	46.8	70.2
39	30.2	24.7	37.1





#57

1,3-Dichloropropane

Concen: 52.606 ug/l

RT: 9.35 min Scan# 1355

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 278888

Ion Ratio Lower Upper

76 100

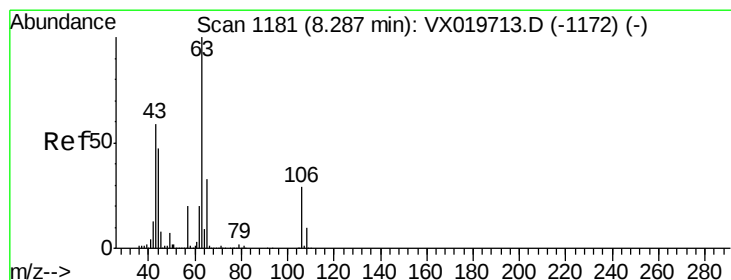
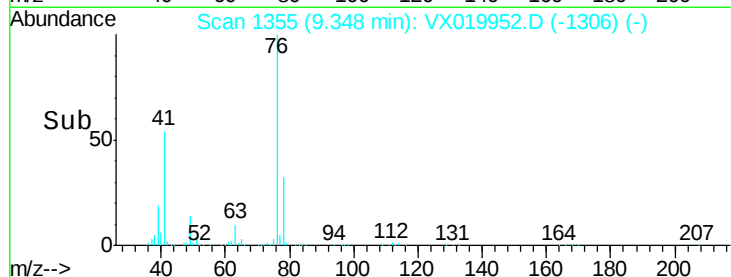
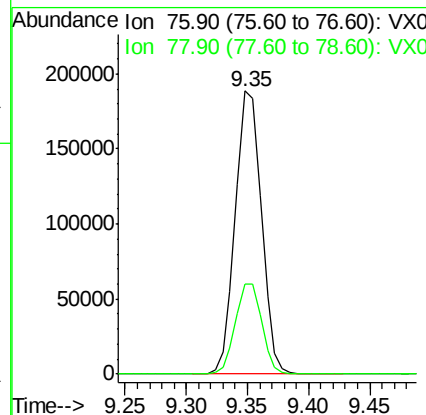
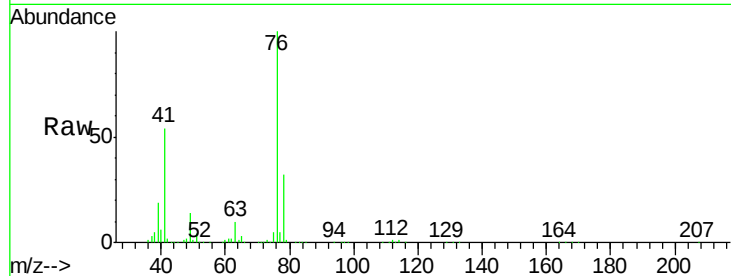
78 32.1 26.2 39.2

Manual Integrations

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12/15/2020 4:49:34 PM



#58

2-Chloroethyl Vinyl ether

Concen: 273.889 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VX019952.D

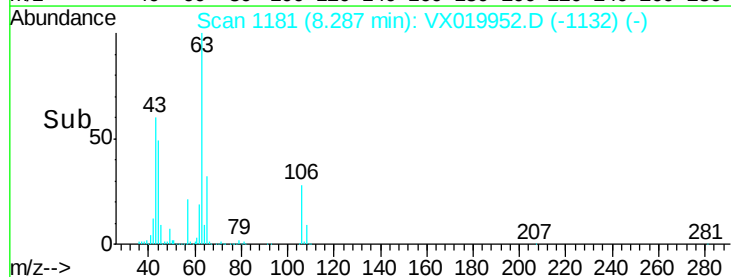
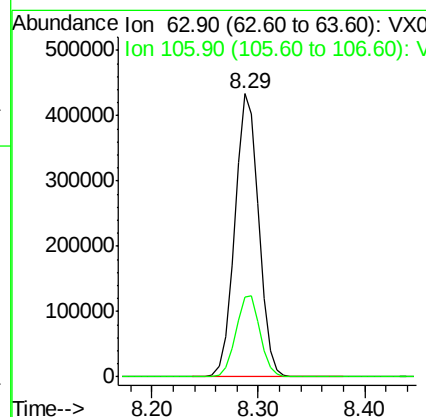
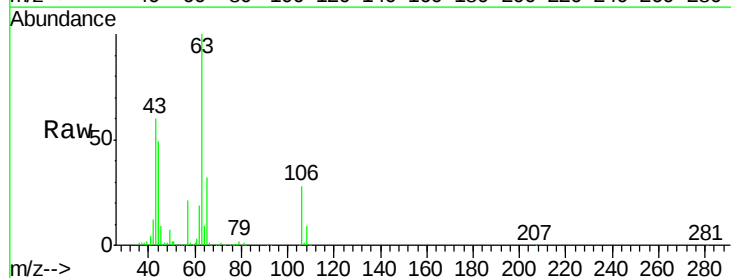
Acq: 12 Dec 2020 23:00

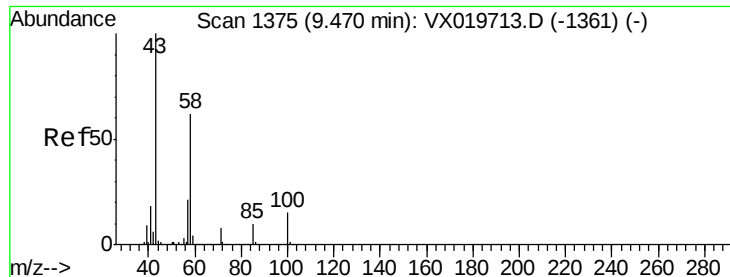
Tgt Ion: 63 Resp: 681569

Ion Ratio Lower Upper

63 100

106 29.2 23.5 35.3





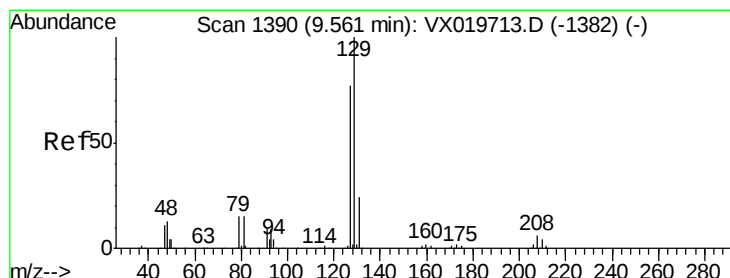
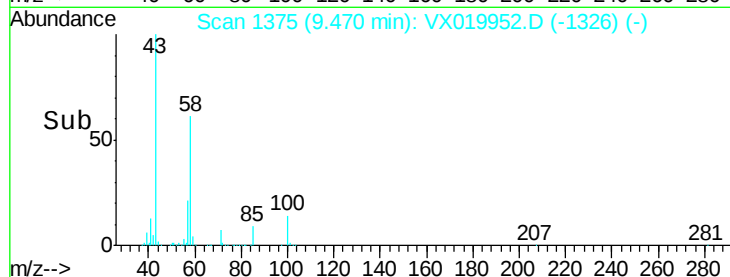
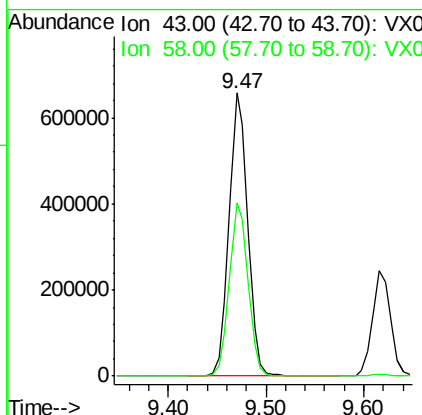
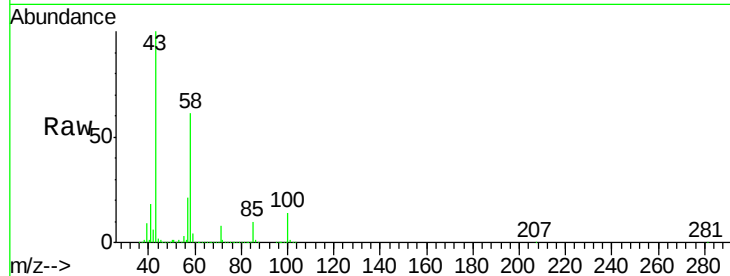
#59
2-Hexanone
Concen: 277.649 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.6	30.9	92.8

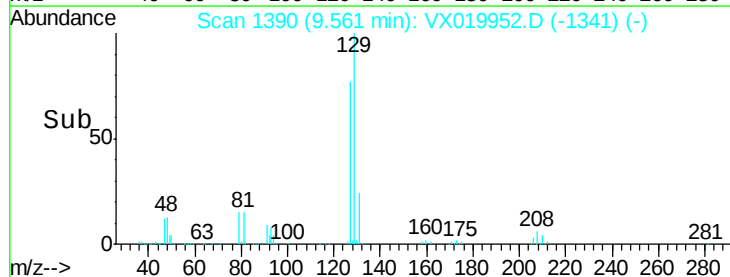
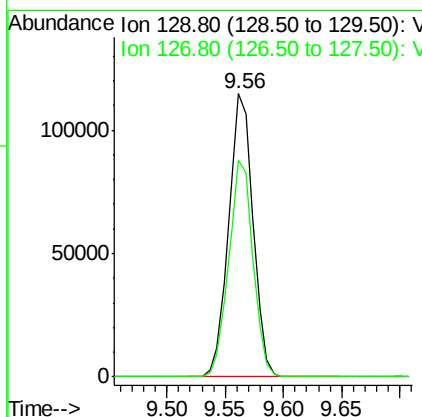
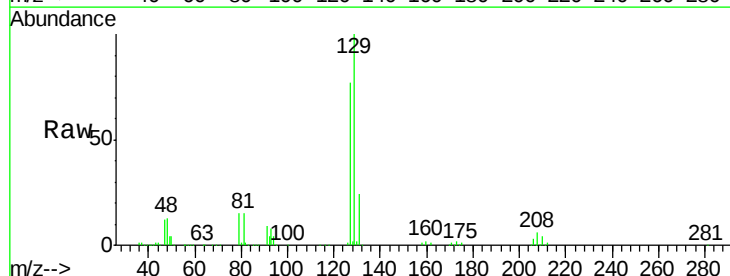
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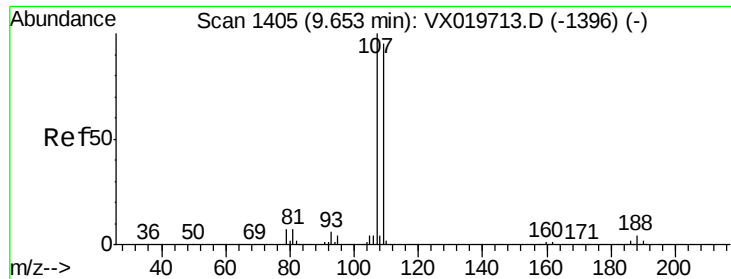
MMDadoda
12/15/2020 4:49:34 PM



#60
Dibromochloromethane
Concen: 53.015 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.4	115.2





#61

1,2-Dibromoethane

Concen: 51.689 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 170412

Ion Ratio Lower Upper

107 100

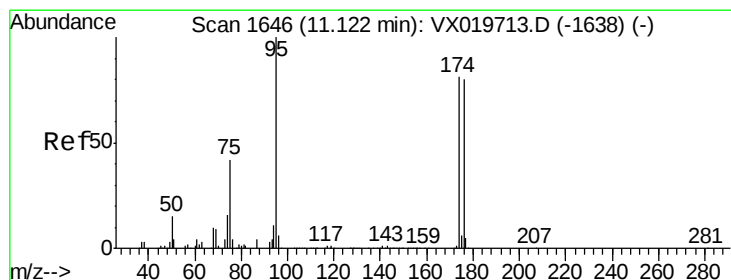
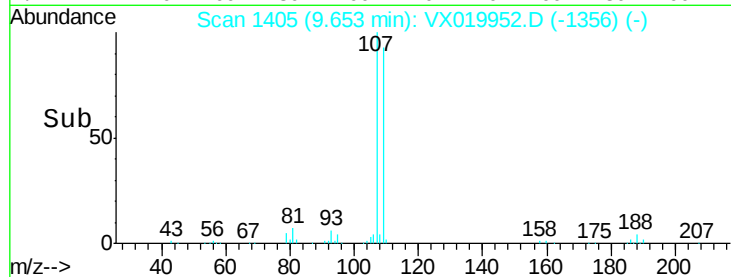
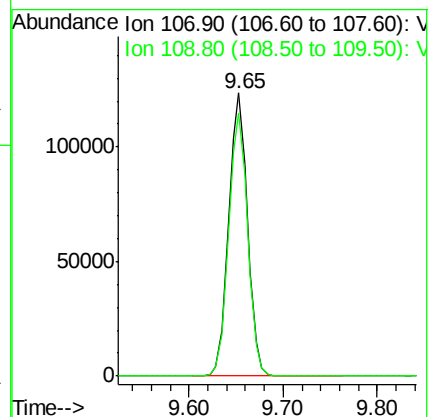
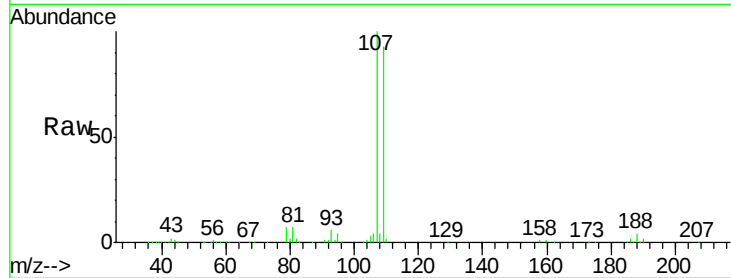
109 94.1 75.8 113.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.274 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

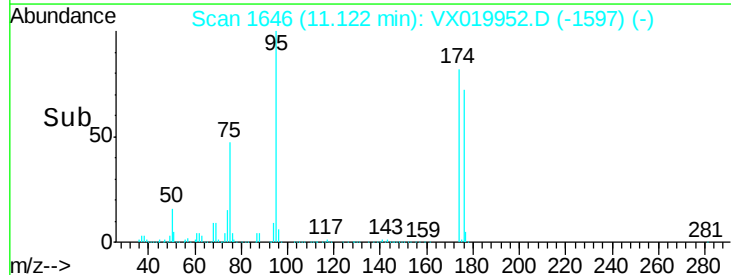
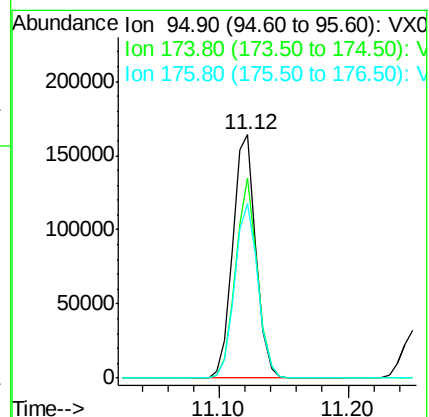
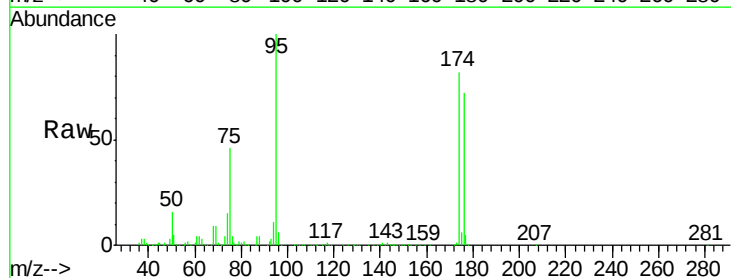
Tgt Ion: 95 Resp: 206502

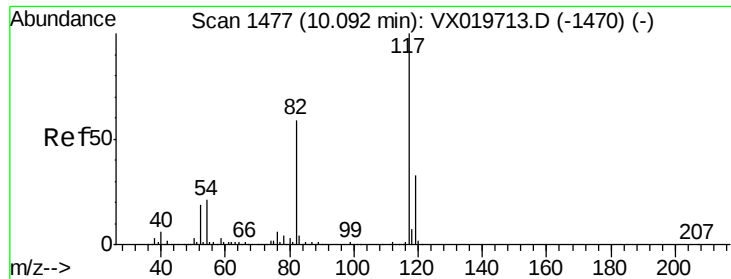
Ion Ratio Lower Upper

95 100

174 77.2 0.0 154.6

176 72.3 0.0 155.8





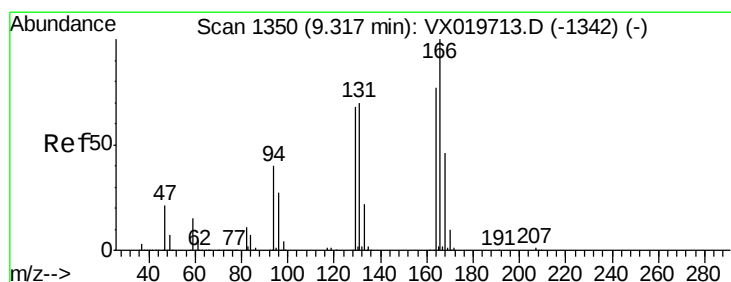
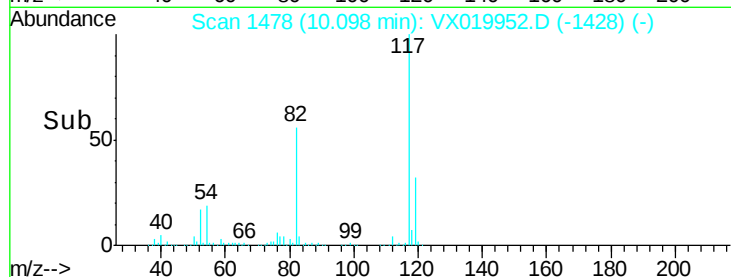
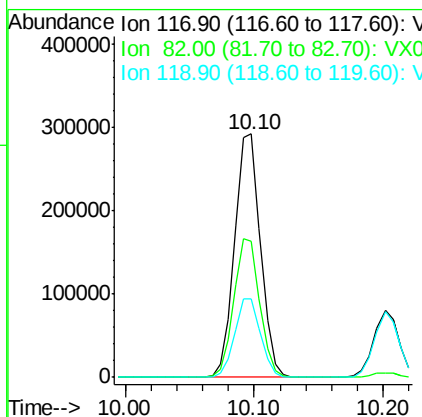
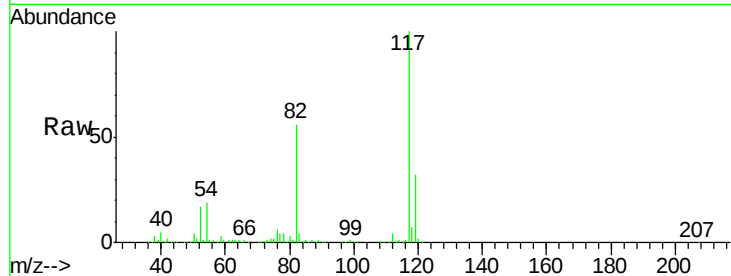
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	47.4	71.2
119	32.5	26.6	39.8

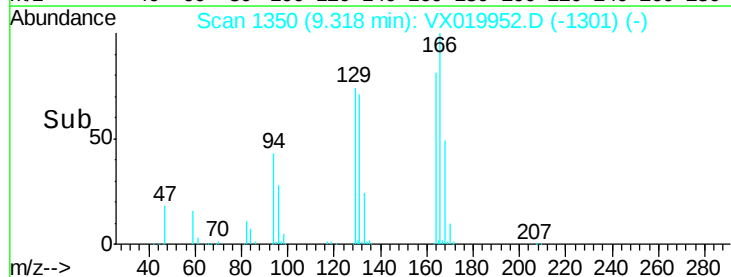
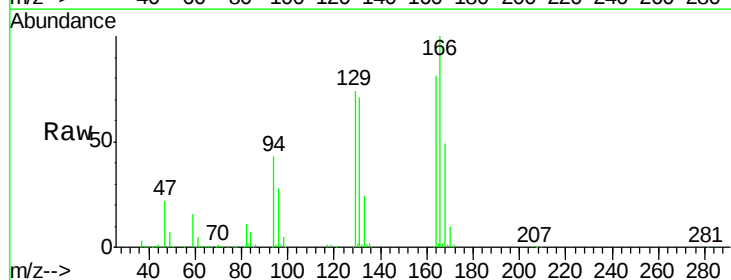
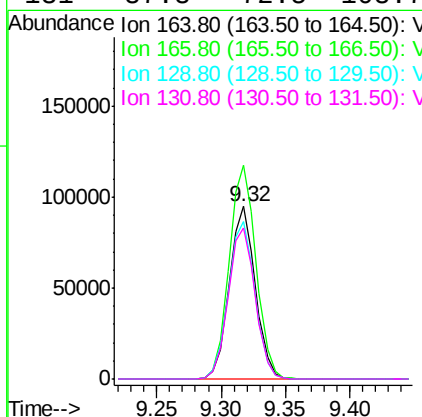
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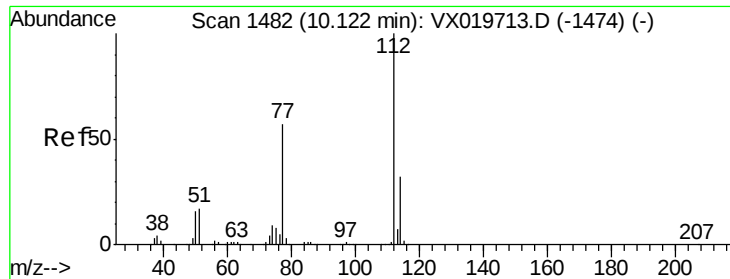
MMDadoda
12/15/2020 4:49:34 PM



#64
Tetrachloroethene
Concen: 48.679 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	103.4	155.2
129	91.4	70.8	106.2
131	87.8	72.5	108.7





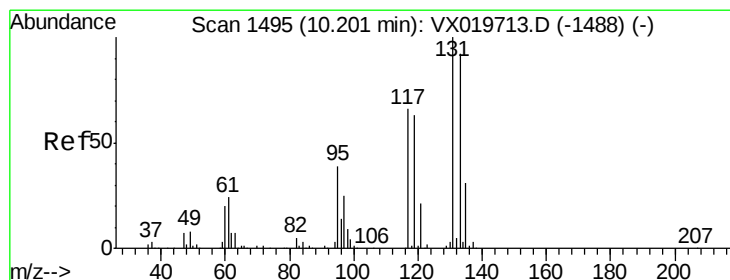
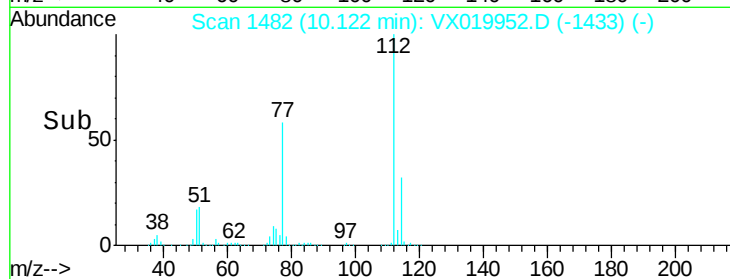
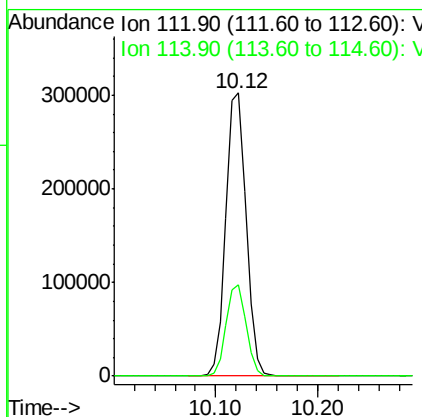
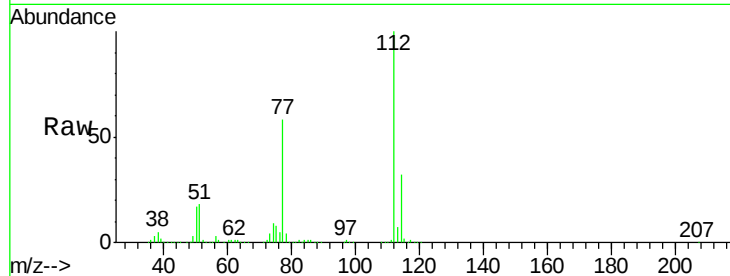
#65
Chlorobenzene
Concen: 50.985 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

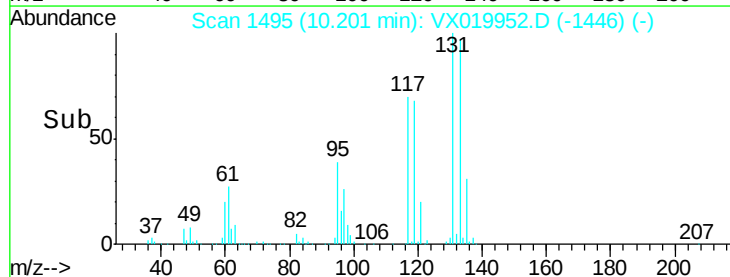
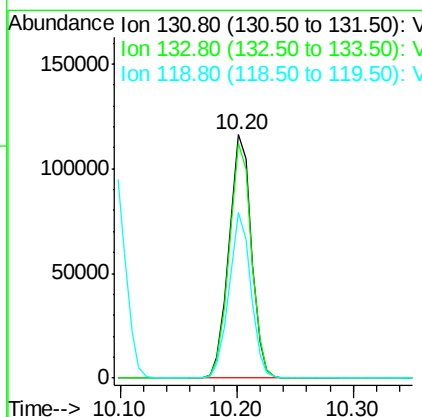
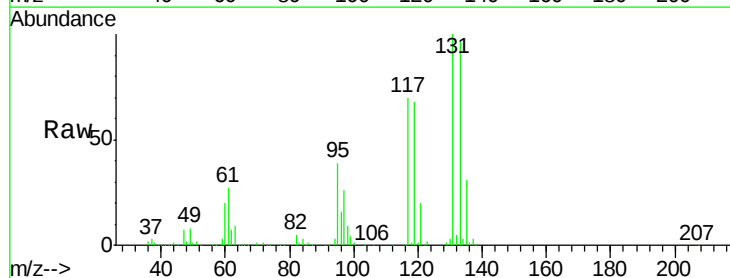
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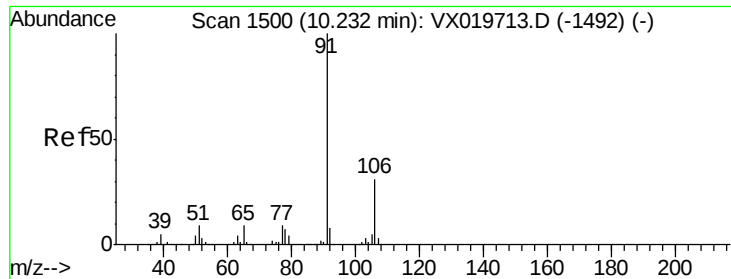
MMDadoda
12/15/2020 4:49:34 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.131 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.7	143.1
119	66.1	32.1	96.5





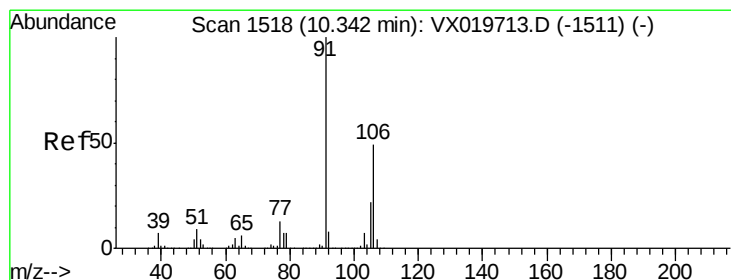
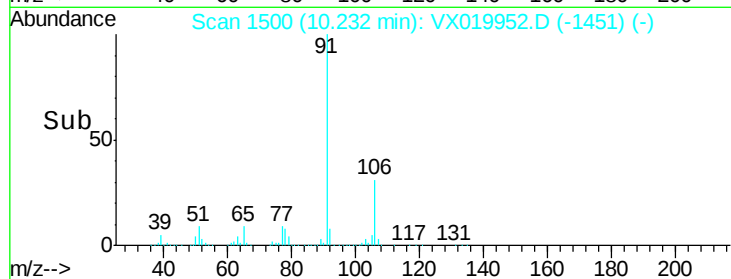
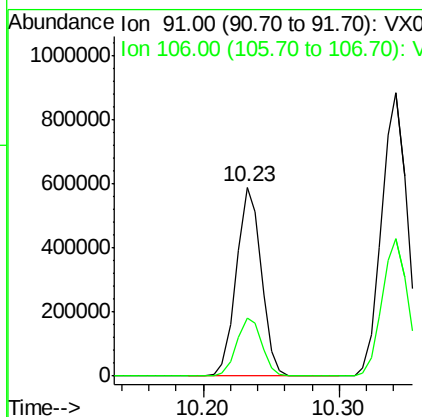
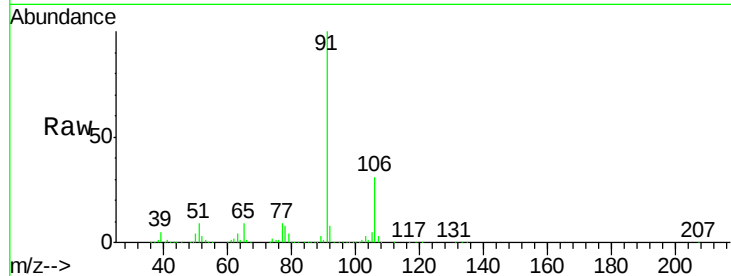
#67
Ethyl Benzene
Concen: 51.822 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 751078
Ion Ratio Lower Upper
91 100
106 31.1 24.6 37.0

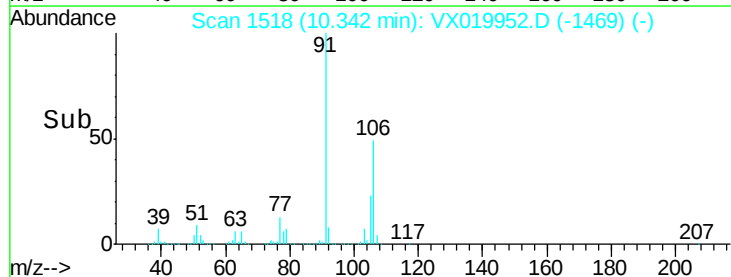
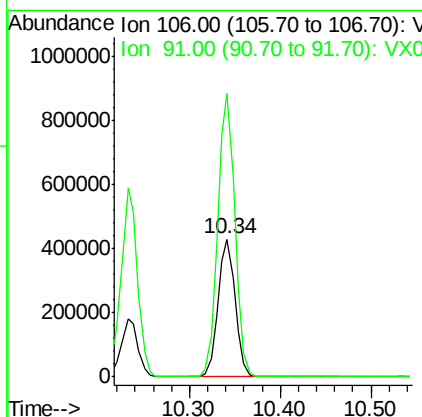
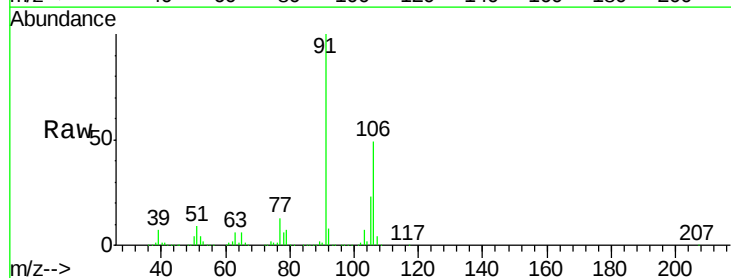
Manual Integrations
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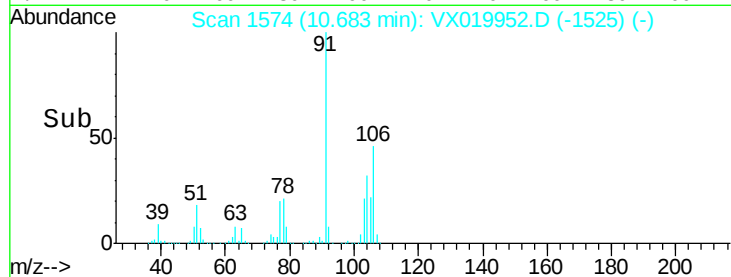
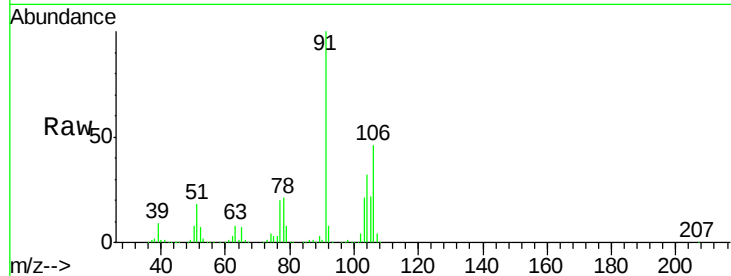
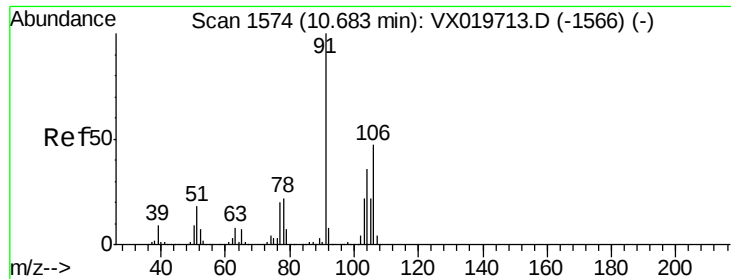
MMDadoda
12/15/2020 4:49:34 PM



#68
m/p-Xylenes
Concen: 103.900 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion: 106 Resp: 567435
Ion Ratio Lower Upper
106 100
91 205.4 162.8 244.2





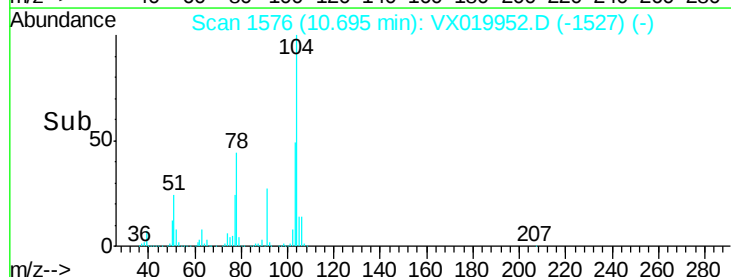
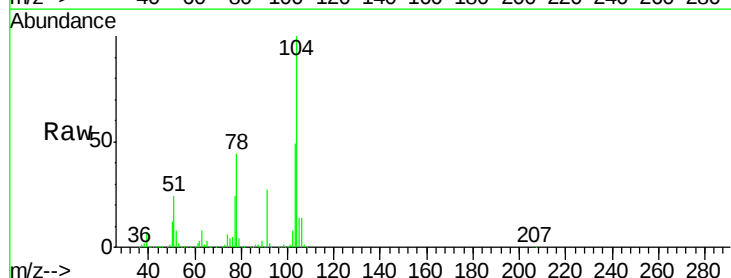
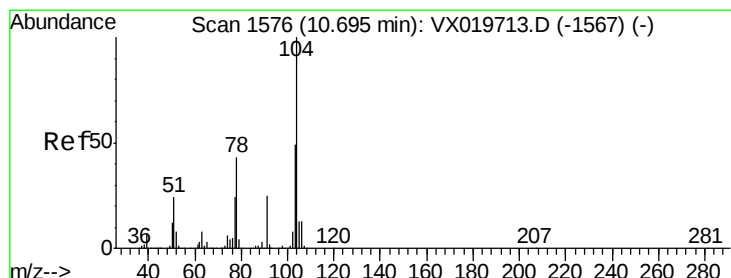
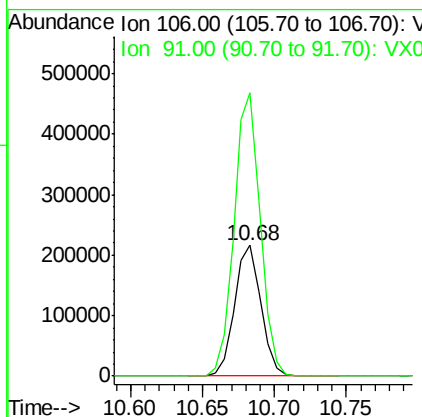
#69
o-Xylene
Concen: 52.662 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tot Ion:106 Resp: 276663
Ion Ratio Lower Upper
106 100
91 214.9 108.1 324.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

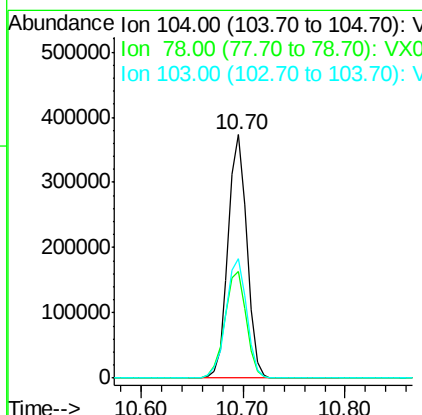
Manual Integrations
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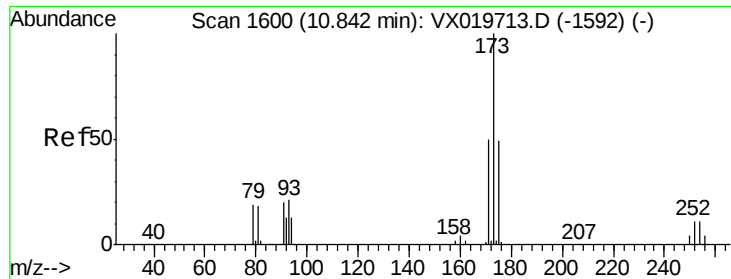
MMDadoda
12/15/2020 4:49:34 PM



#70
Styrene
Concen: 53.452 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion:104 Resp: 473976
Ion Ratio Lower Upper
104 100
78 50.2 40.0 60.0
103 54.3 43.4 65.0





#71

Bromoform

Concen: 53.230 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

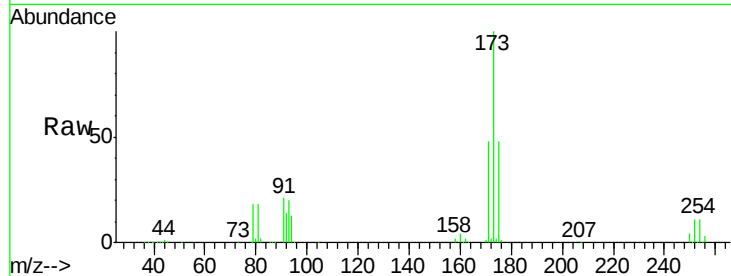
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.9	71.8
254	0.2	0.1	0.1

Manual Integrations
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12/15/2020 4:49:34 PM

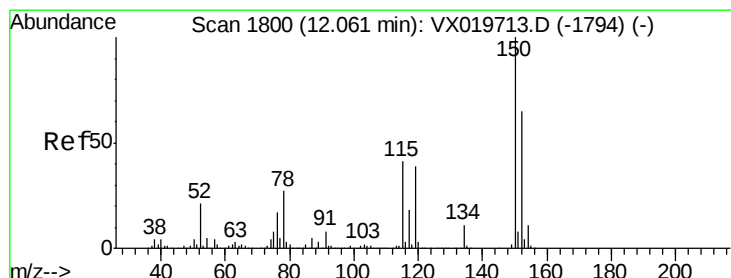
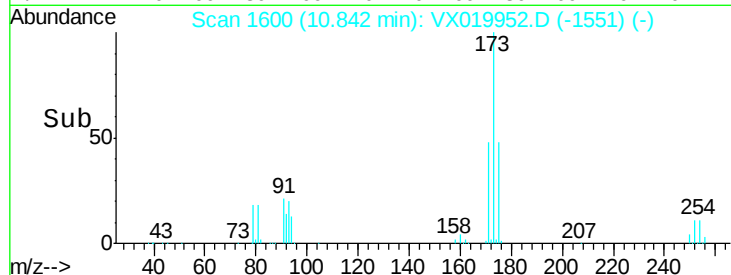
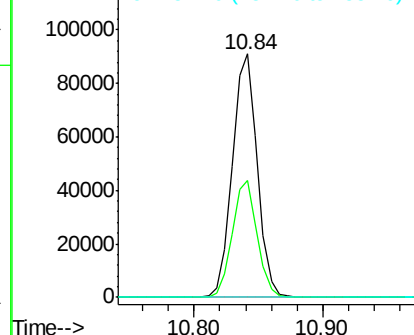


Abundance

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

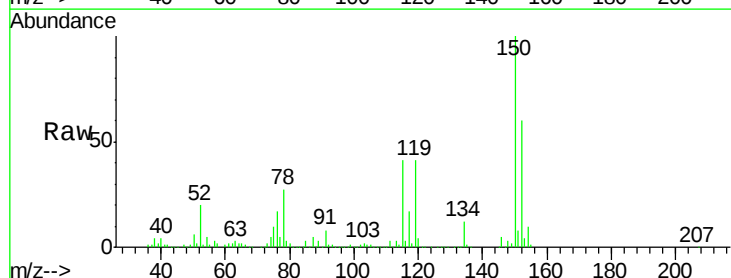
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	86.0	41.1	123.3
150	176.4	0.0	349.0

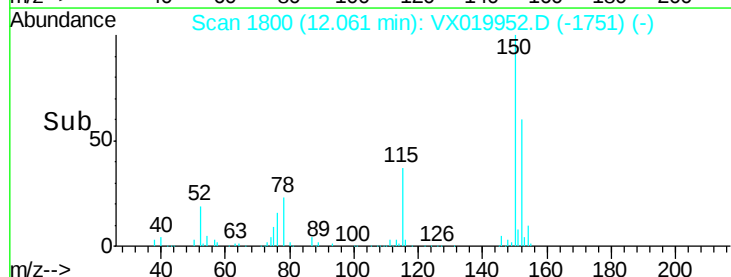
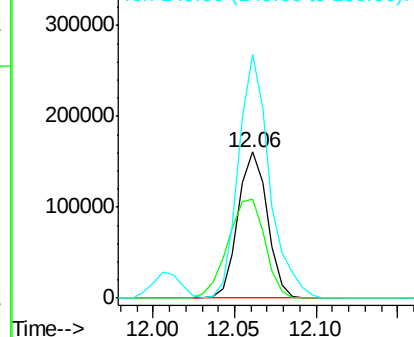


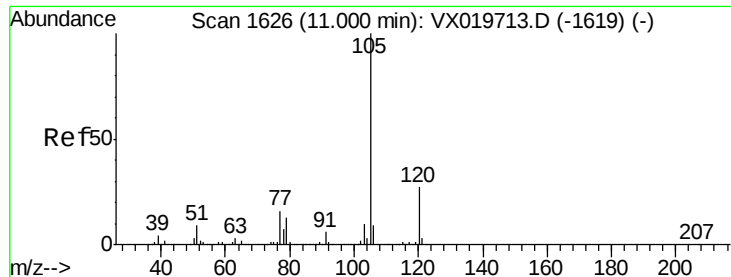
Abundance

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: 53.499 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 734610

Ion Ratio Lower Upper

105 100

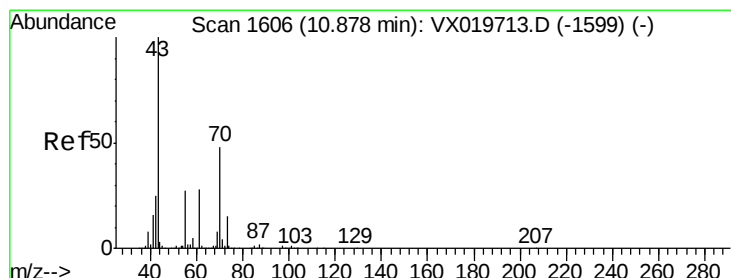
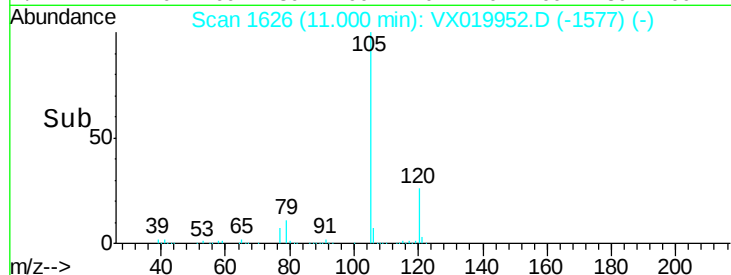
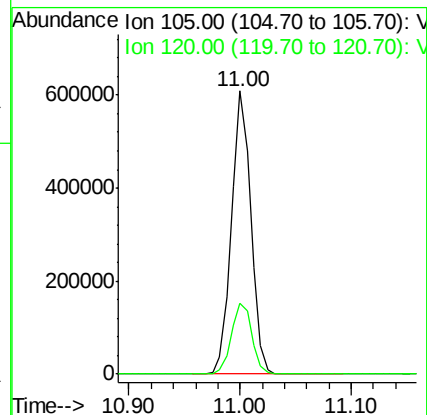
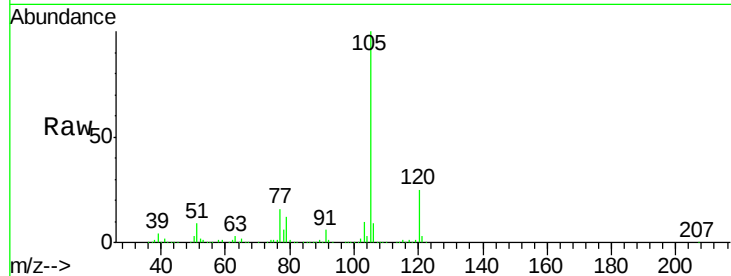
120 26.3 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 56.985 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Tgt Ion: 43 Resp: 313569

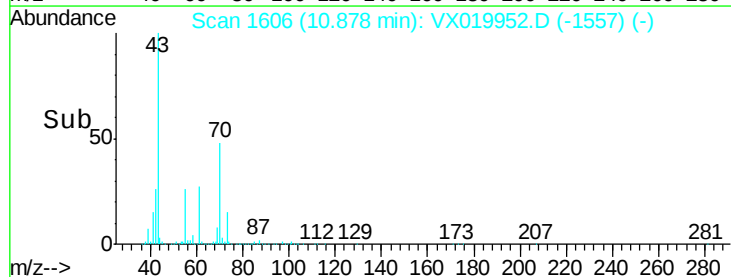
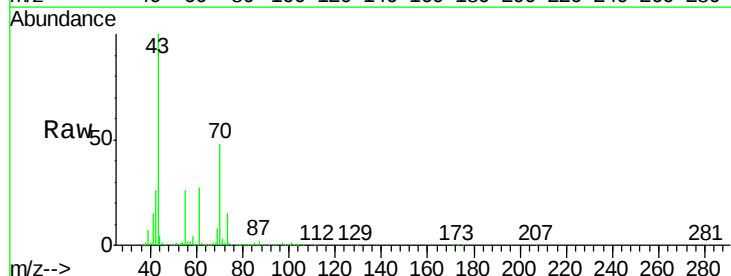
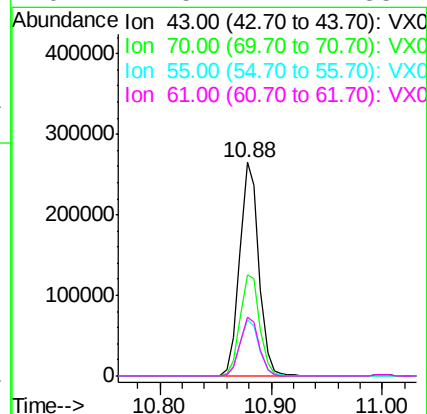
Ion Ratio Lower Upper

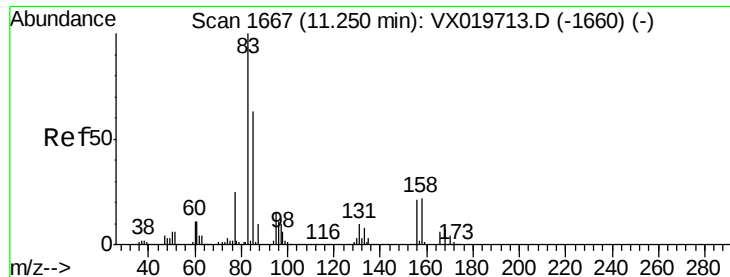
43 100

70 49.1 39.0 58.6

55 26.9 21.5 32.3

61 27.5 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 56.182 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 271979

Ion Ratio Lower Upper

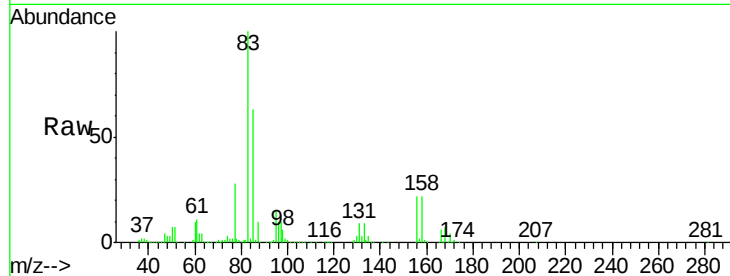
83 100

131 9.8 5.1 15.2

85 63.4 31.8 95.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

250000

200000

150000

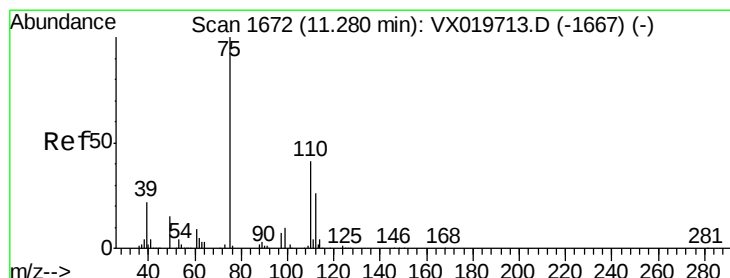
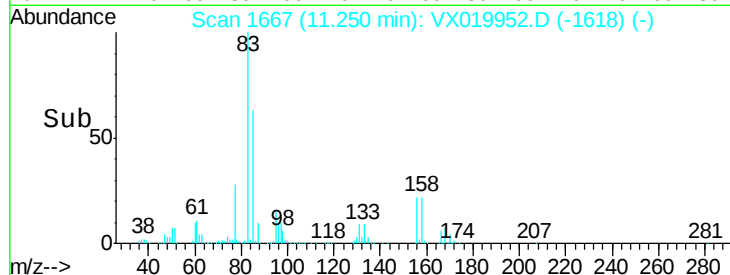
100000

50000

0

11.25

Time-->



#76

1,2,3-Trichloropropane

Concen: 54.449 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019952.D

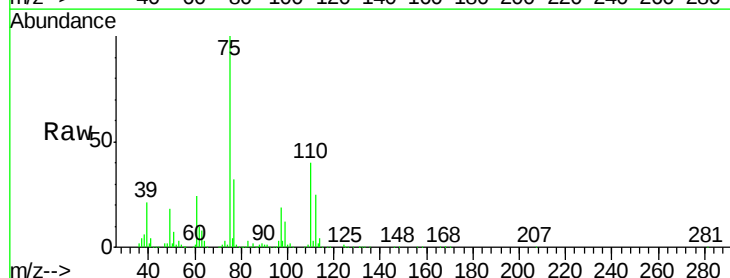
Acq: 12 Dec 2020 23:00

Tgt Ion: 75 Resp: 245439

Ion Ratio Lower Upper

75 100

77 37.8 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

250000

200000

150000

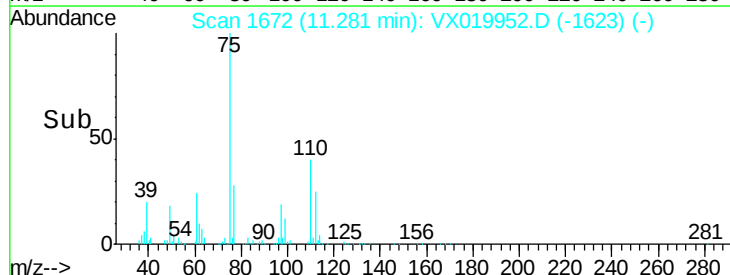
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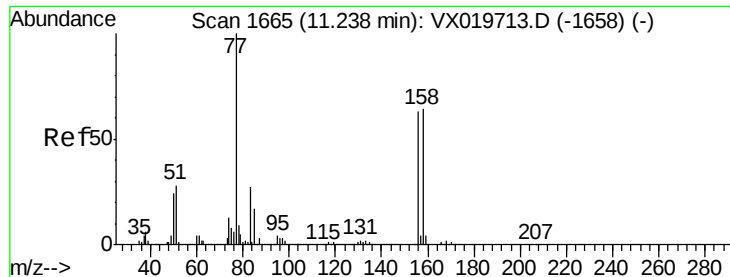
50000

0

11.28

Time-->





#77

Bromobenzene

Concen: 52.322 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 183856

Ion Ratio Lower Upper

156 100

77 168.2 82.8 248.6

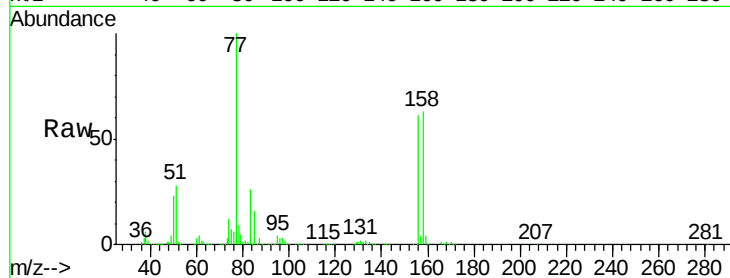
158 99.0 49.1 147.4

Manual Integrations

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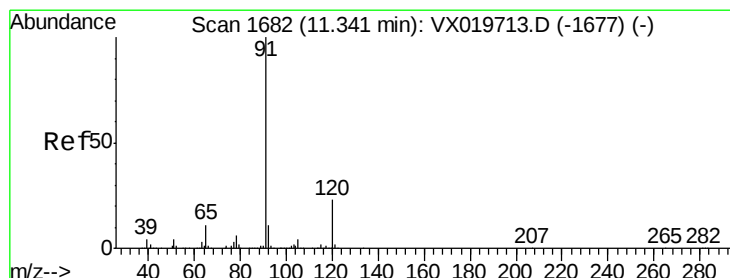
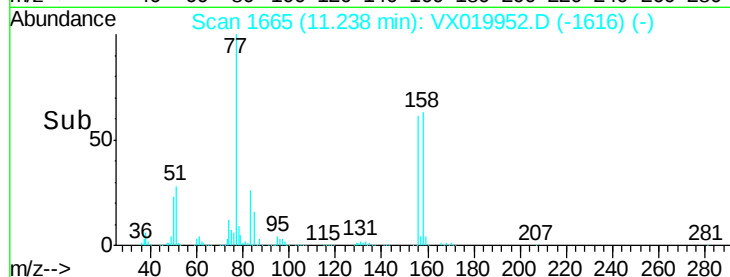
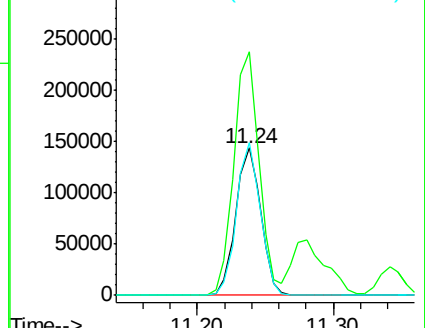
12/15/2020 4:49:34 PM



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: 54.300 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX019952.D

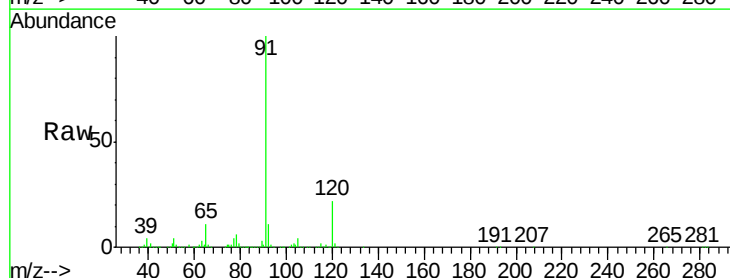
Acq: 12 Dec 2020 23:00

Tgt Ion: 91 Resp: 851587

Ion Ratio Lower Upper

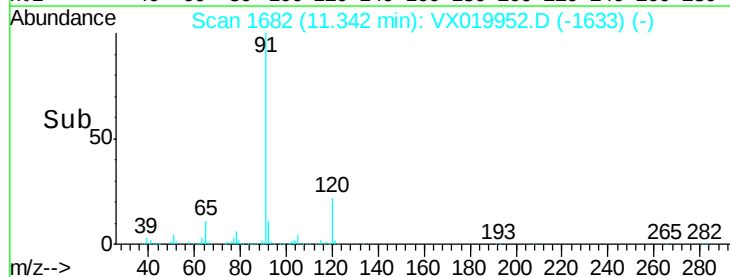
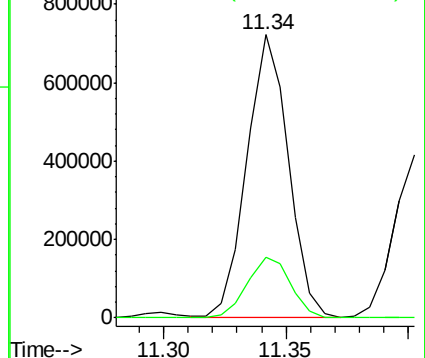
91 100

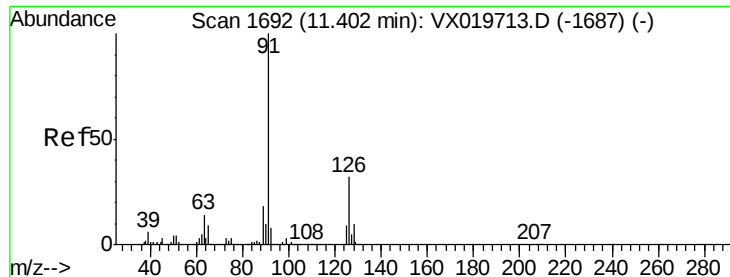
120 22.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





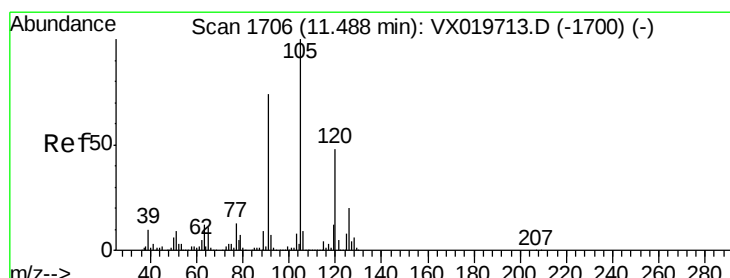
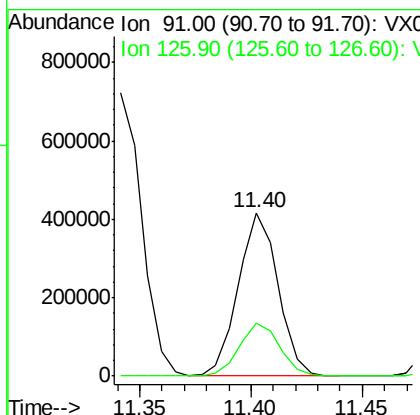
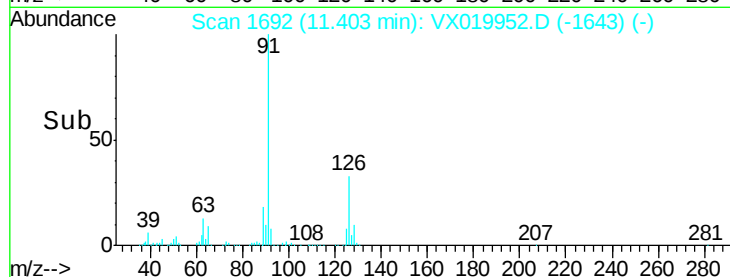
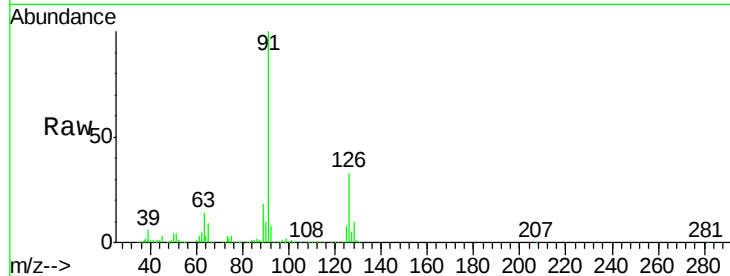
#79
 2-Chlorotoluene
 Concen: 53.711 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 518731
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.6 49.8

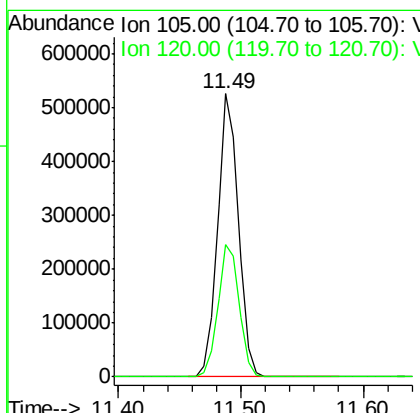
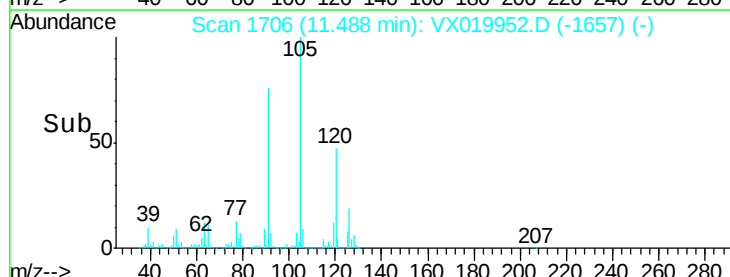
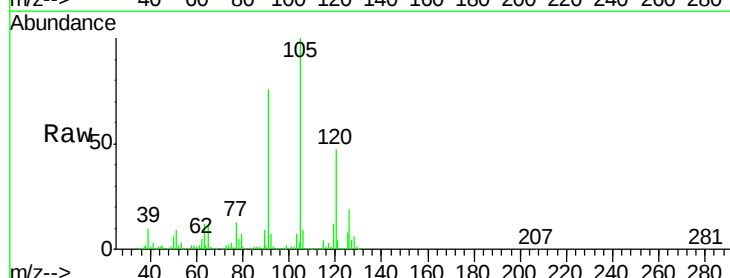
Manual Integrations
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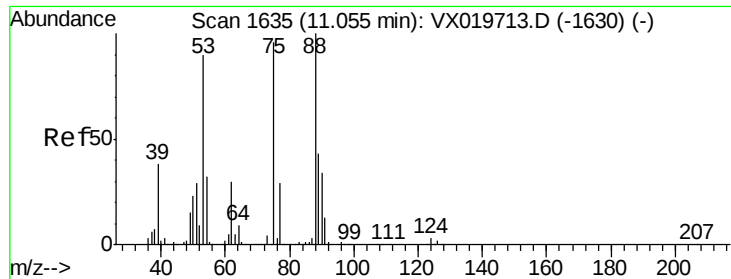
MMDadoda
 12/15/2020 4:49:34 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 53.929 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Tgt Ion: 105 Resp: 624965
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.8 71.5





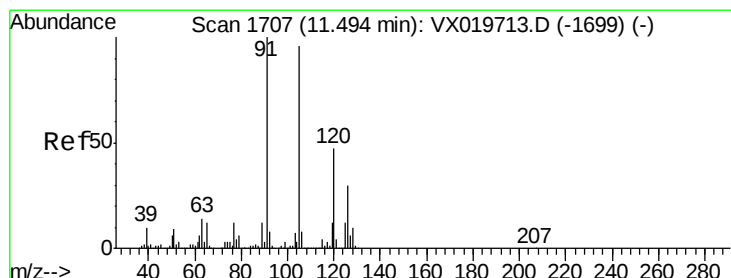
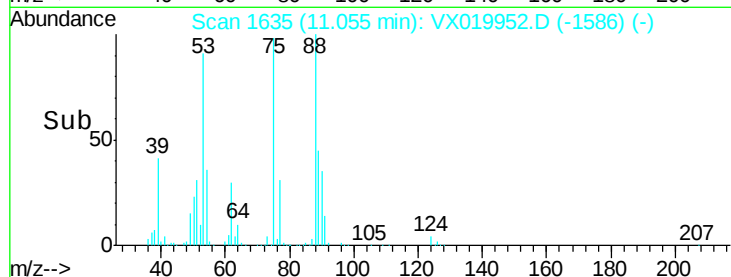
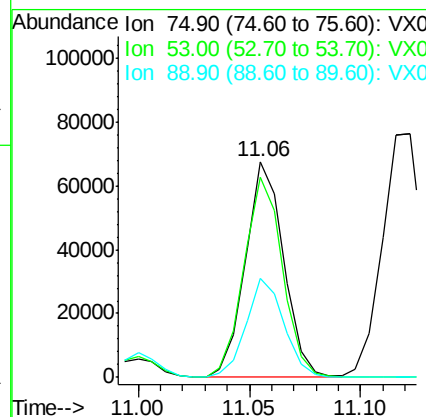
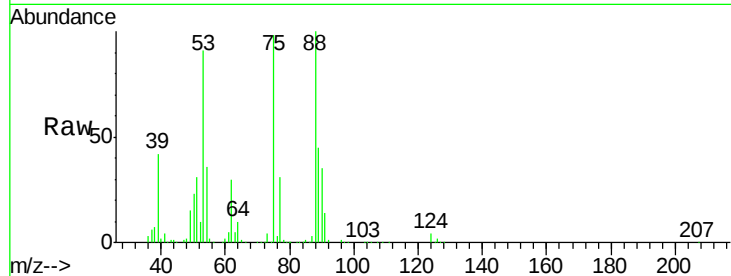
#81
trans-1,4-Dichloro-2-butene
Concen: 51.781 ug/l
RT: 11.06 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.9	74.5	111.7
89	45.6	37.9	56.9

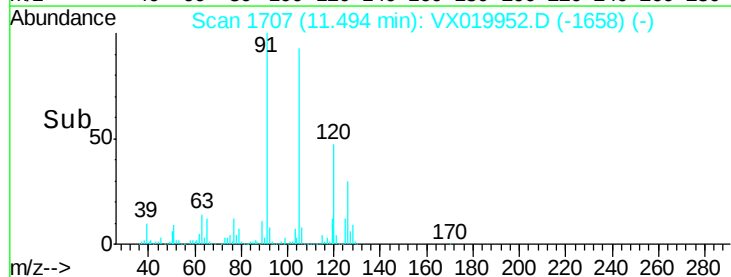
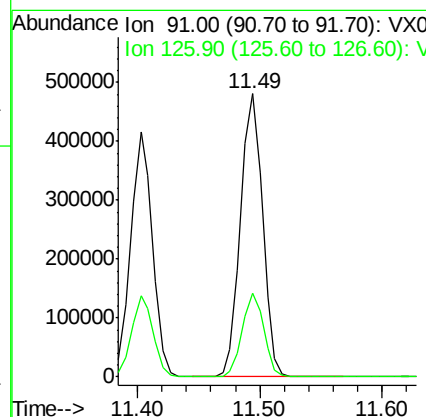
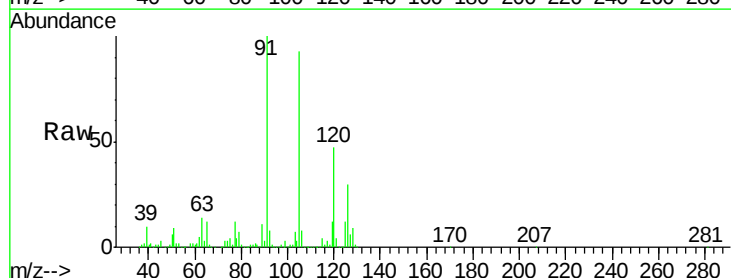
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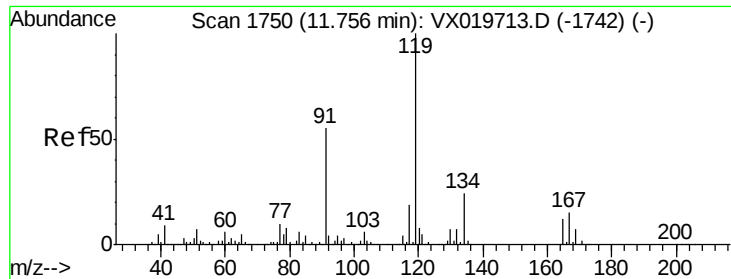
MMDadoda
12/15/2020 4:49:34 PM



#82
4-Chlorotoluene
Concen: 52.883 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.9	44.5





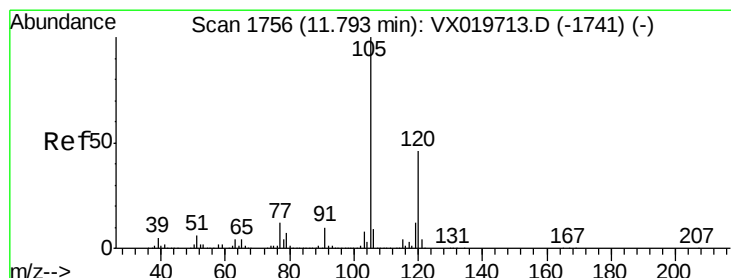
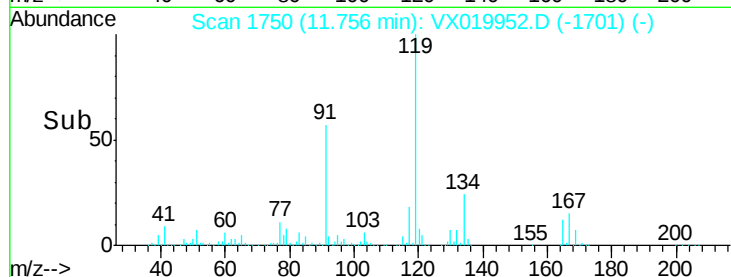
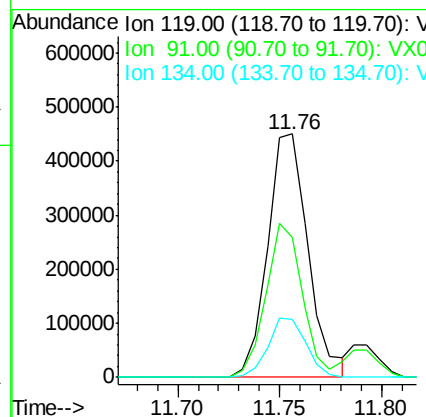
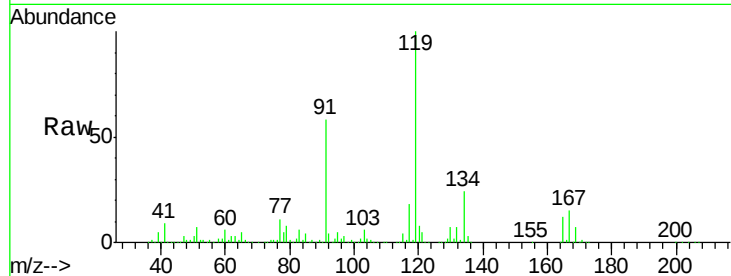
#83
tert-Butylbenzene
Concen: 54.811 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.1	27.9	83.7
134	23.0	11.3	33.9

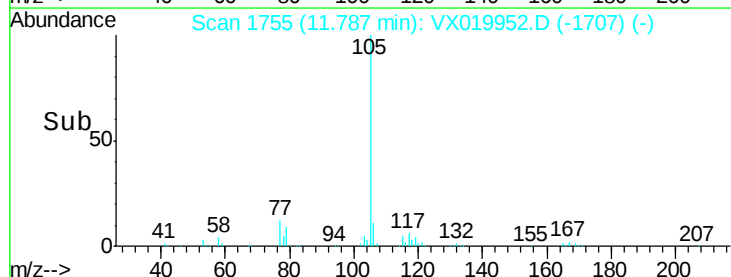
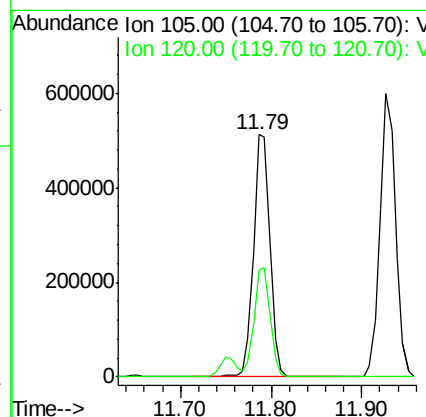
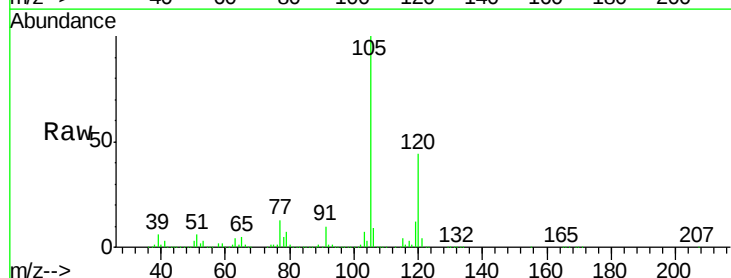
Manual Integrations
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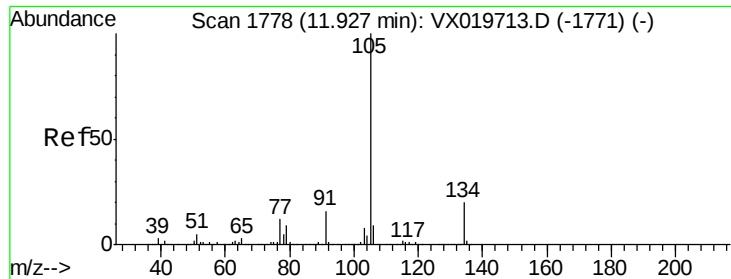
MMDadoda
12/15/2020 4:49:34 PM



#84
1,2,4-Trimethylbenzene
Concen: 55.052 ug/l
RT: 11.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.4	67.3





#85

sec-Butylbenzene

Concen: 55.215 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 716493

Ion Ratio Lower Upper

105 100

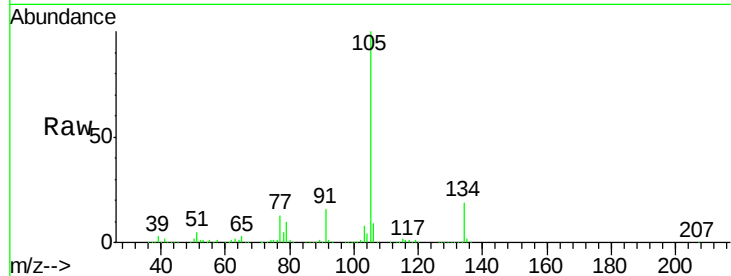
134 19.9 10.0 29.8

Manual Integrations

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MMDadoda

12/15/2020 4:49:34 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

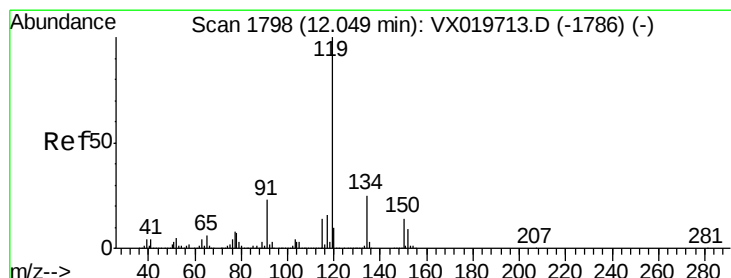
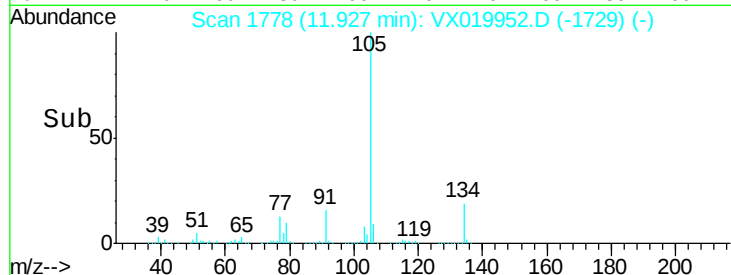
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 55.467 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

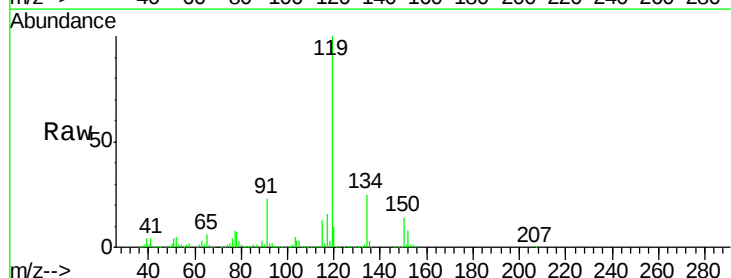
Tgt Ion:119 Resp: 659648

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 23.3 11.7 35.0



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

12.05

800000

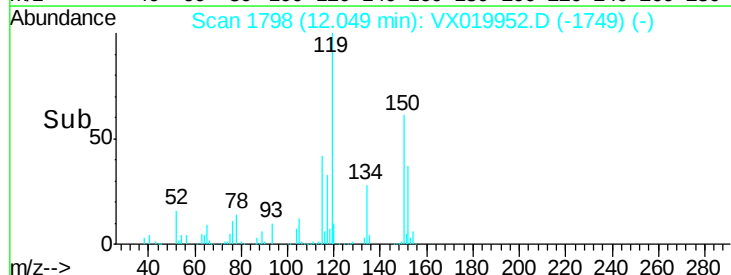
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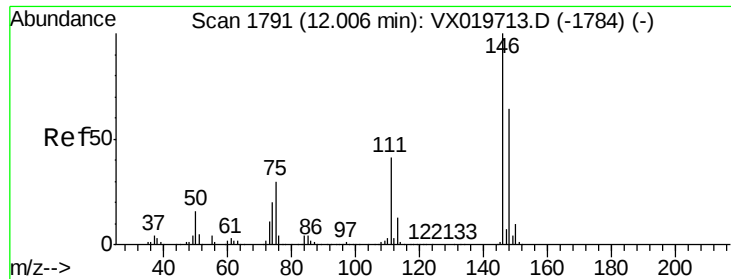
400000

200000

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Time-->





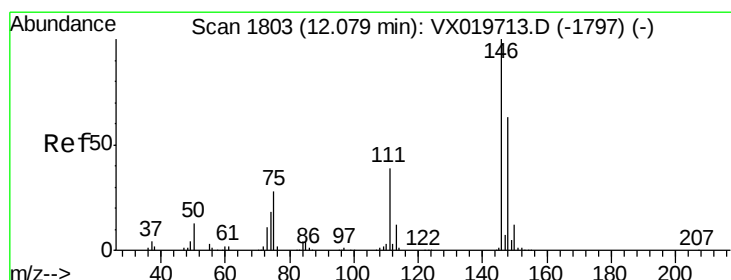
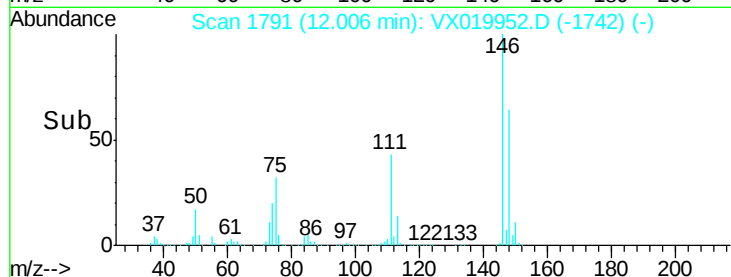
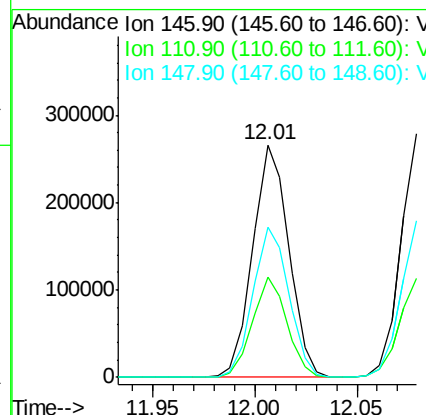
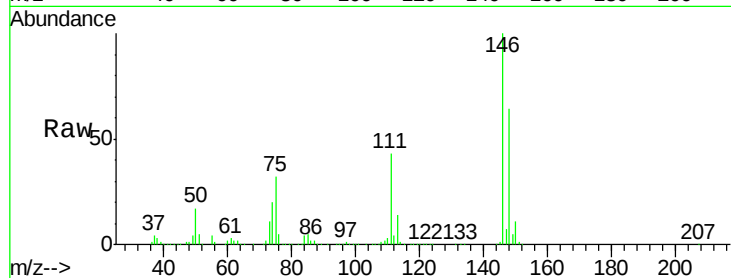
#87
 1,3-Dichlorobenzene
 Concen: 50.841 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	64.3	31.9	95.7

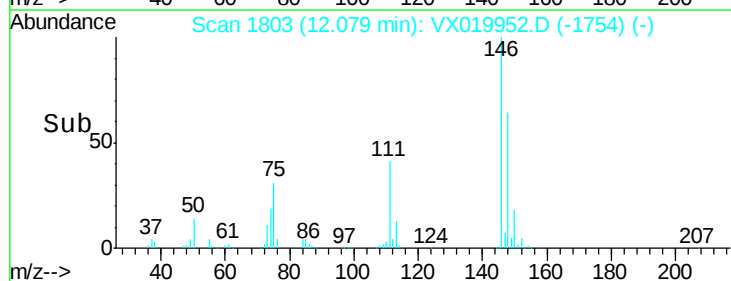
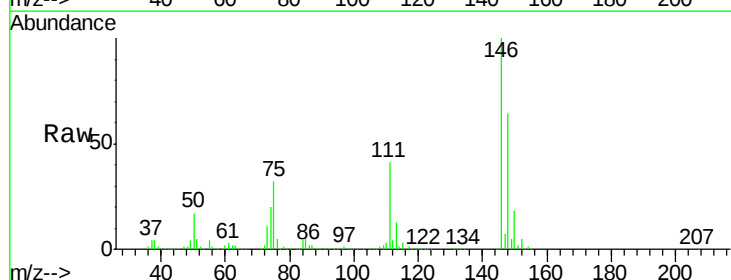
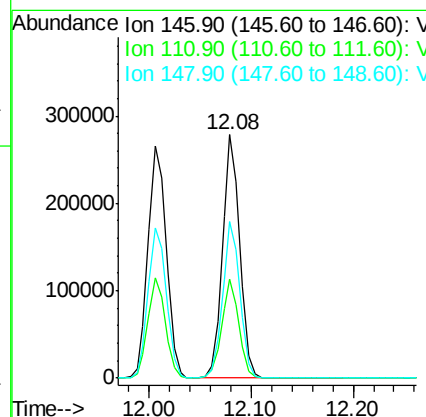
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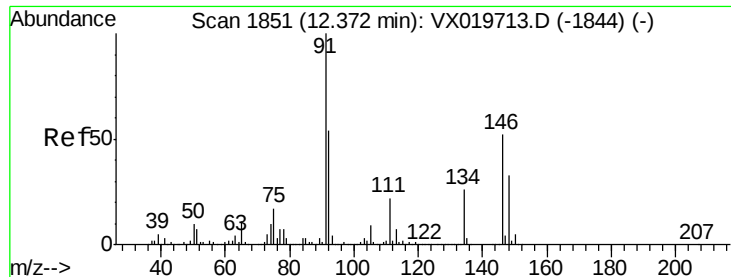
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#88
 1,4-Dichlorobenzene
 Concen: 50.432 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.6	58.8
148	64.4	31.6	95.0





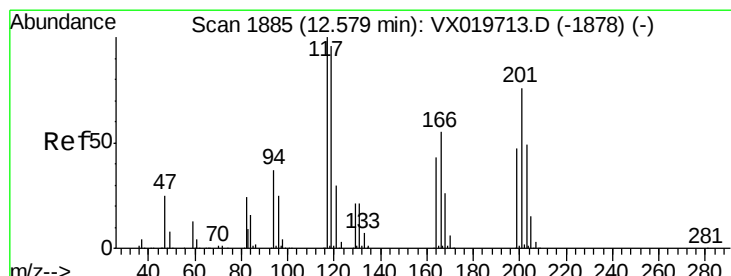
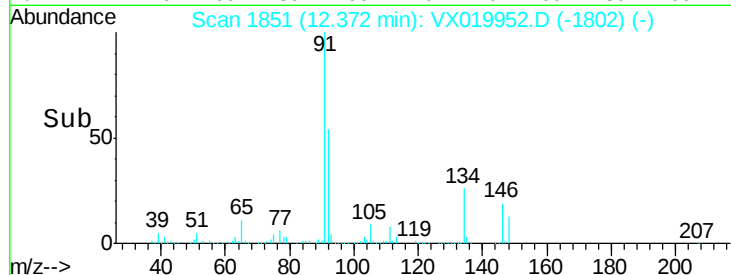
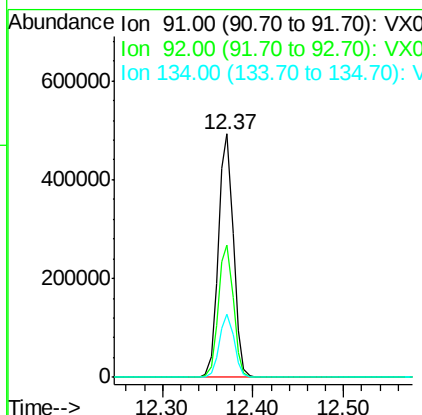
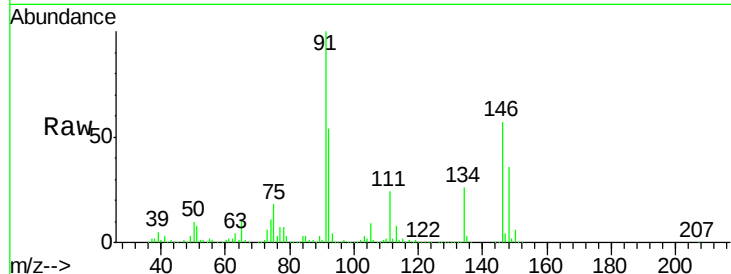
#89
n-Butylbenzene
Concen: 54.222 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.4	82.0
134	25.6	13.2	39.5

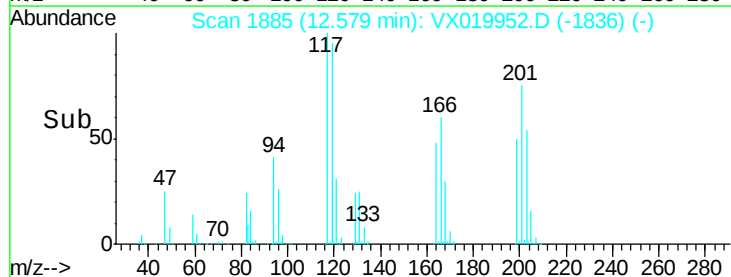
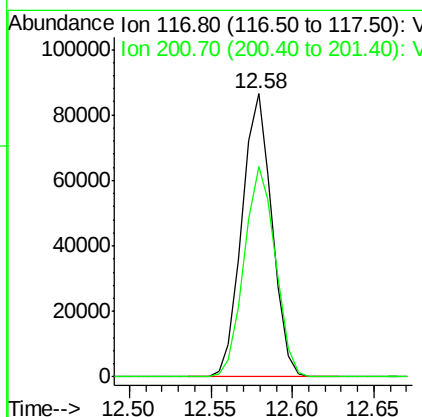
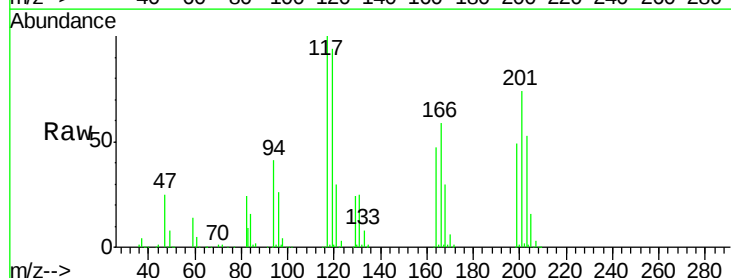
Manual Integrations
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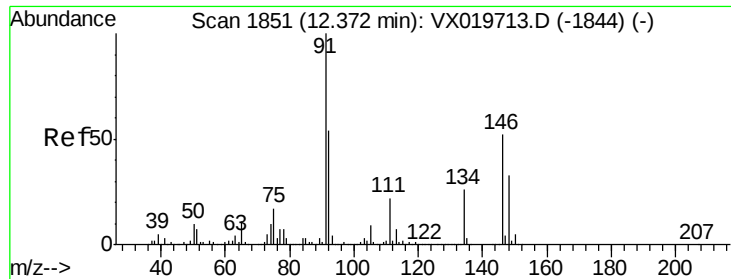
MMDadoda
12/15/2020 4:49:34 PM



#90
Hexachloroethane
Concen: 53.918 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019952.D
Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	40.4	121.2





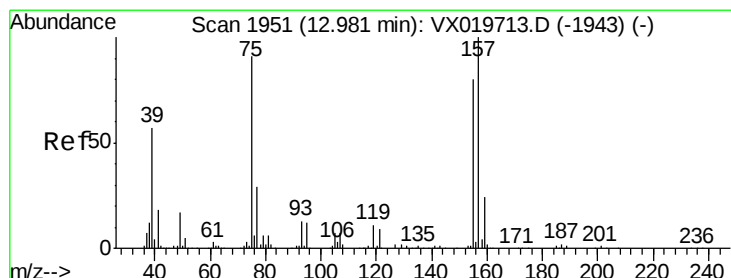
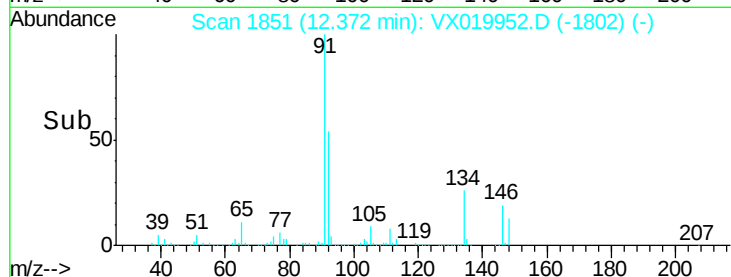
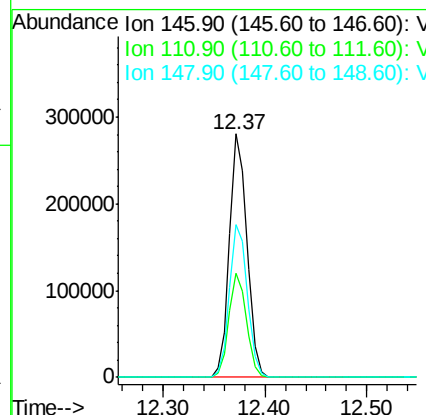
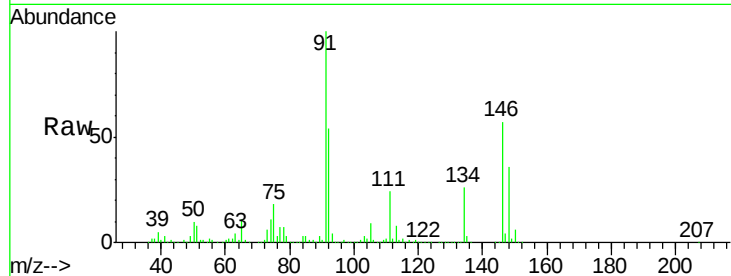
#91
 1,2-Dichlorobenzene
 Concen: 53.518 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	336471		
111	42.6	20.8	62.2	
148	63.8	31.9	95.5	

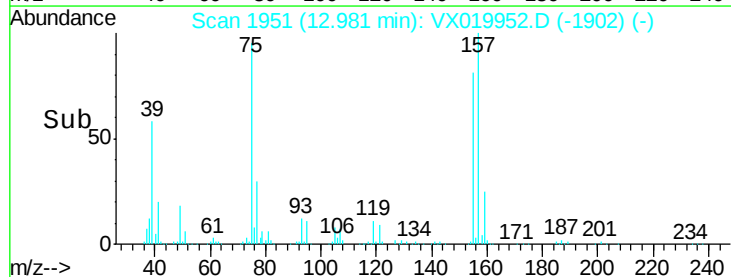
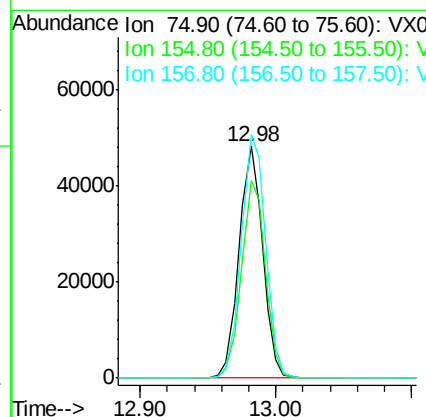
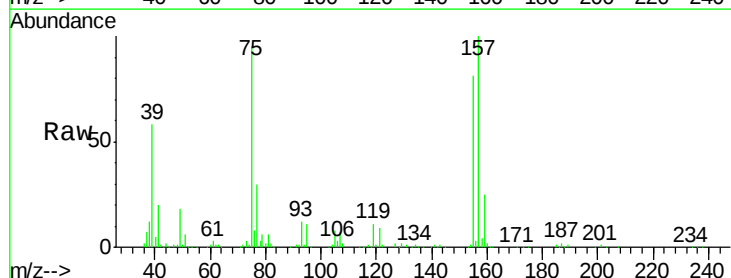
Manual Integrations
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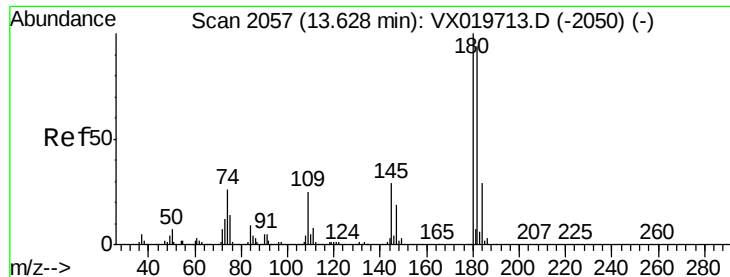
MMDadoda
 12/15/2020 4:49:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.124 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58409		
155	86.5	45.3	135.9	
157	108.2	57.7	173.1	





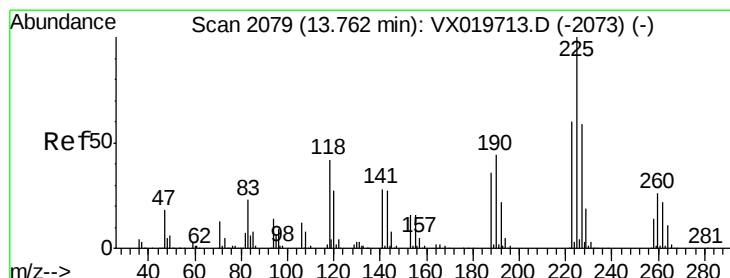
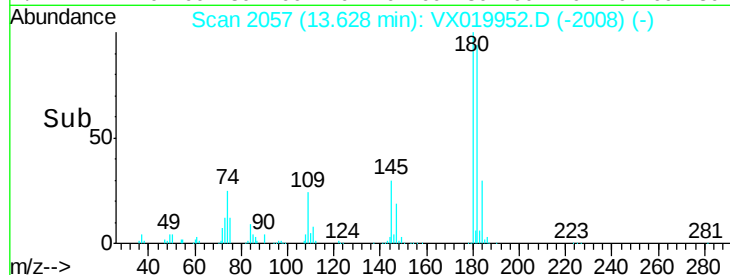
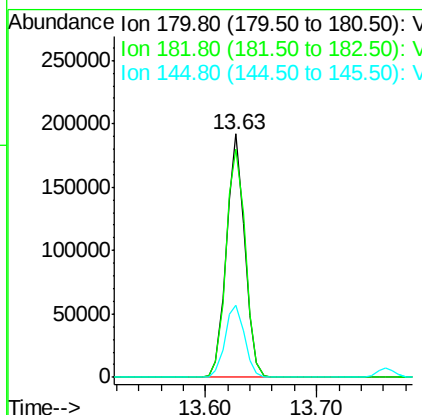
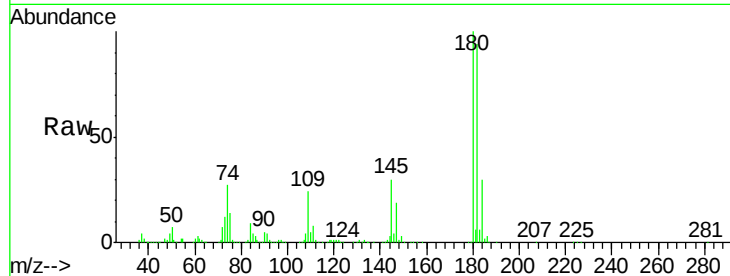
#93
 1,2,4-Trichlorobenzene
 Concen: 53.117 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	217385		
182	99.3	47.7	143.1	
145	31.6	15.0	45.0	

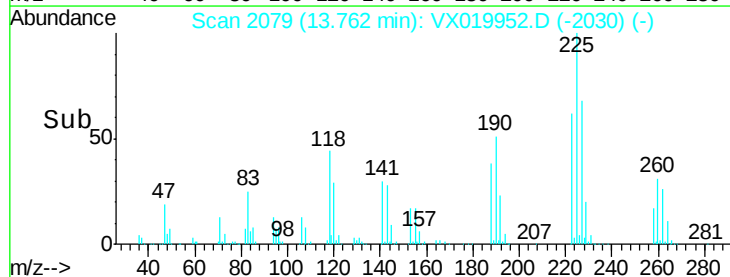
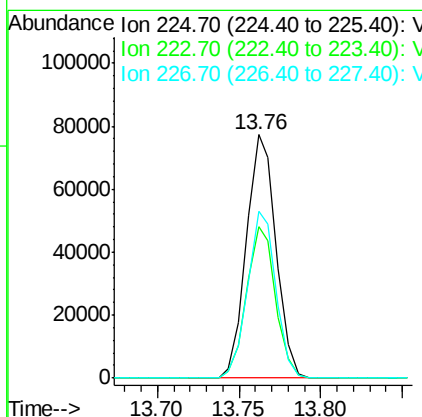
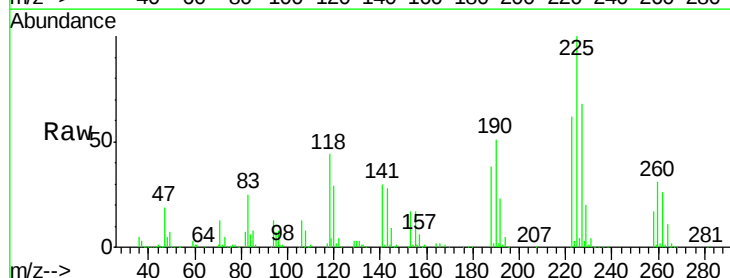
Manual Integrations
 APPROVED

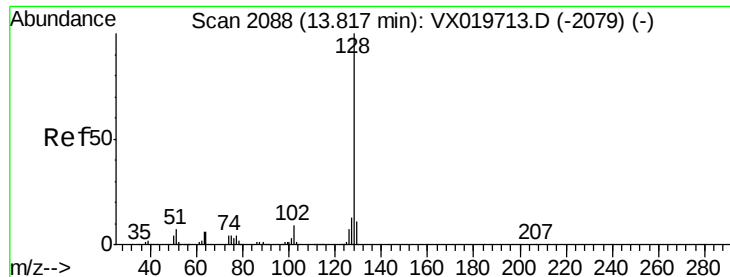
MMDadoda
 12/15/2020 4:49:34 PM



#94
 Hexachlorobutadiene
 Concen: 53.436 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX019952.D
 Acq: 12 Dec 2020 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97745		
223	60.9	31.1	93.2	
227	65.7	31.6	95.0	





#95

Naphthalene

Concen: 61.757 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Instrument :

MSVOA_X

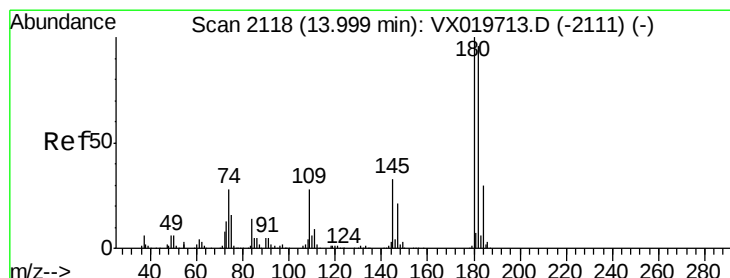
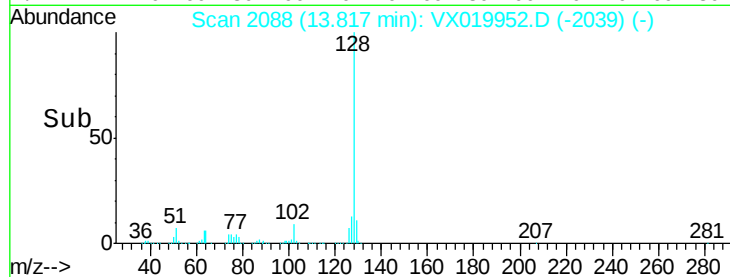
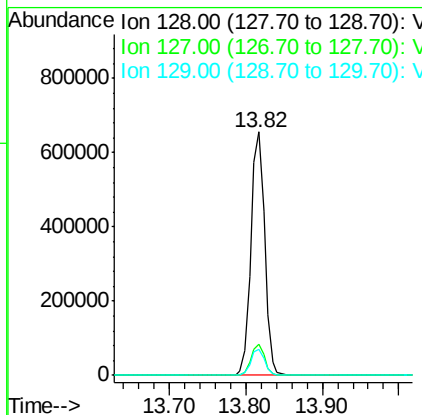
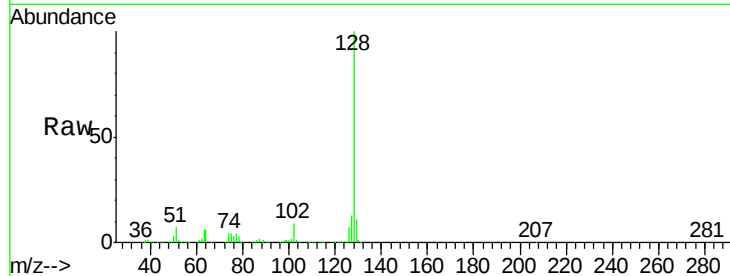
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	819405
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/15/2020 4:49:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.247 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX019952.D

Acq: 12 Dec 2020 23:00

Tgt Ion:	180	Resp:	216970
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.6	142.9
145	34.1	16.1	48.3

