

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX121420\
 Data File : VX020000.D
 Acq On : 14 Dec 2020 20:31
 Operator : JC/MD
 Sample : L5052-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 5:34:16 PM

Quant Time: Dec 15 02:15:12 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	222833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	403968	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	375937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	171832	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	160109	54.67	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.34%
35) Dibromofluoromethane	5.46	113	129031	49.42	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.84%
50) Toluene-d8	8.70	98	486523	48.81	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.62%
62) 4-Bromofluorobenzene	11.12	95	185082	48.79	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.58%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	105835	51.877	ug/l	100
3) Chloromethane	1.31	50	124779	52.006	ug/l	99
4) Vinyl Chloride	1.39	62	393495	155.541	ug/l	100
5) Bromomethane	1.62	94	26238	31.235	ug/l	97
6) Chloroethane	1.70	64	123304	81.136	ug/l	98
7) Trichlorofluoromethane	1.91	101	193108	54.810	ug/l	94
8) Diethyl Ether	2.17	74	85264	57.108	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.36	101	100937	49.982	ug/l	98
10) Methyl Iodide	2.49	142	100545	33.778	ug/l	100
11) Tert butyl alcohol	3.02	59	247849	413.354	ug/l	99
12) 1,1-Dichloroethene	2.35	96	137542	67.369	ug/l	94
13) Acrolein	2.27	56	72529	224.360	ug/l	99
14) Allyl chloride	2.70	41	193565	56.136	ug/l #	56
15) Acrylonitrile	3.12	53	471128	355.843	ug/l	100
16) Acetone	2.42	43	445569	404.762	ug/l	100
17) Carbon Disulfide	2.54	76	298431	50.943	ug/l	99
18) Methyl Acetate	2.75	43	353238	131.130	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	453902	61.047	ug/l	99
20) Methylene Chloride	2.83	84	149021	59.569	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	880529	369.932	ug/l	99
22) Diisopropyl ether	3.82	45	433631	62.199	ug/l	94
23) Vinyl Acetate	3.78	43	1845695	310.749	ug/l	100
24) 1,1-Dichloroethane	3.67	63	250097	59.489	ug/l	100
25) 2-Butanone	4.64	43	677915	400.773	ug/l	100
26) 2,2-Dichloropropane	4.55	77	82555	22.803	ug/l #	1
27) cis-1,2-Dichloroethene	4.56	96	9029128	3241.465	ug/l	89
28) Bromochloromethane	4.98	49	113500	56.633	ug/l	97
29) Tetrahydrofuran	5.09	42	400609	367.591	ug/l	98
30) Chloroform	5.18	83	256251	59.279	ug/l	98
31) Cyclohexane	5.54	56	173244	47.555	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	214218	57.544	ug/l	99
36) 1,1-Dichloropropene	5.77	75	177195	48.541	ug/l	99
37) Ethyl Acetate	4.79	43	216637	58.778	ug/l #	79
38) Carbon Tetrachloride	5.75	117	176619	49.409	ug/l	99

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Manual Integrations
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 12/15/2020 5:34:16 PM

Quant Time: Dec 15 02:15:12 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)
39) Methylcyclohexane	7.44	83	128199	29.892	ug/l	99
40) Benzene	6.11	78	578092	51.843	ug/l	100
41) Methacrylonitrile	5.00	41	119188	58.899	ug/l	99
42) 1,2-Dichloroethane	6.16	62	201632	52.923	ug/l	100
43) Isopropyl Acetate	6.41	43	334857	55.883	ug/l	99
44) Trichloroethene	7.18	130	243530	83.238	ug/l	99
45) 1,2-Dichloropropane	7.49	63	149527	53.653	ug/l	99
46) Dibromomethane	7.63	93	100503	53.401	ug/l	99
47) Bromodichloromethane	7.87	83	202284	54.165	ug/l	100
48) Methyl methacrylate	7.74	41	170045	57.701	ug/l	98
49) 1,4-Dioxane	7.71	88	103334	1447.451	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1154895	315.682	ug/l	100
52) Toluene	8.76	92	359297	51.518	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	193509	46.694	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	203950	45.299	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	157305	55.970	ug/l	99
56) Ethyl methacrylate	9.16	69	238254	56.031	ug/l	99
57) 1,3-Dichloropropane	9.35	76	257888	53.738	ug/l	100
59) 2-Hexanone	9.47	43	916698	323.264	ug/l	100
60) Dibromochloromethane	9.56	129	157806	55.265	ug/l	99
61) 1,2-Dibromoethane	9.65	107	160515	53.785	ug/l	100
64) Tetrachloroethene	9.32	164	103596	41.092	ug/l	96
65) Chlorobenzene	10.12	112	374655	50.023	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	142979	53.039	ug/l	99
67) Ethyl Benzene	10.23	91	648865	48.807	ug/l	99
68) m/p-Xylenes	10.34	106	475606	94.939	ug/l	98
69) o-Xylene	10.68	106	235202	48.808	ug/l	100
70) Styrene	10.70	104	419821	51.614	ug/l	99
71) Bromoform	10.84	173	121429	57.259	ug/l	99
73) Isopropylbenzene	11.00	105	566585	48.263	ug/l	100
74) N-amyl acetate	10.88	43	317012	67.385	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	268447	64.860	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	234846m	60.937	ug/l	
77) Bromobenzene	11.24	156	161688	53.820	ug/l	98
78) n-propylbenzene	11.34	91	618186	46.105	ug/l	99
79) 2-Chlorotoluene	11.40	91	412912	50.007	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	455942	46.019	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	60462	45.353	ug/l	99
82) 4-Chlorotoluene	11.49	91	493281	51.009	ug/l	98
83) tert-Butylbenzene	11.76	119	435525	44.820	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	479160	48.011	ug/l	99
85) sec-Butylbenzene	11.93	105	404785	36.486	ug/l	99
86) p-Isopropyltoluene	12.05	119	373488	36.733	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	269177	48.817	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	277582	49.426	ug/l	100
89) n-Butylbenzene	12.37	91	274929	30.520	ug/l	100
90) Hexachloroethane	12.58	117	66405	37.829	ug/l	98
91) 1,2-Dichlorobenzene	12.37	146	283226	52.692	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	62590	70.345	ug/l	97
93) 1,2,4-Trichlorobenzene	13.63	180	133194	38.067	ug/l	98

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TU032-32-5229-121020MS

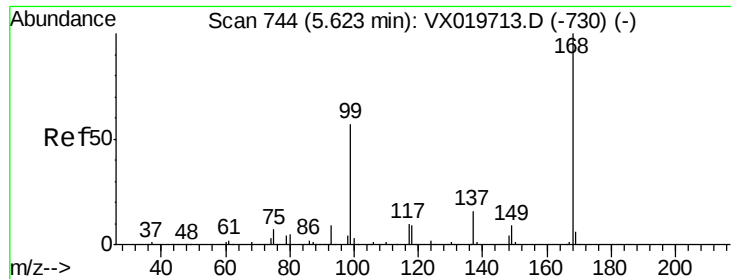
Manual Integrations
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Quant Time: Dec 15 02:15:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.76	225	18085	11.564	ug/l	96
95) Naphthalene	13.82	128	671359	59.184	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	136339	39.871	ug/l	100

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



#1

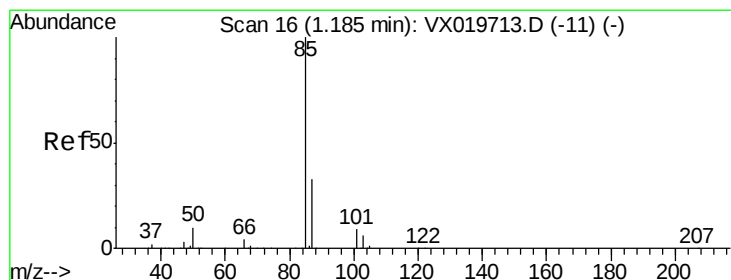
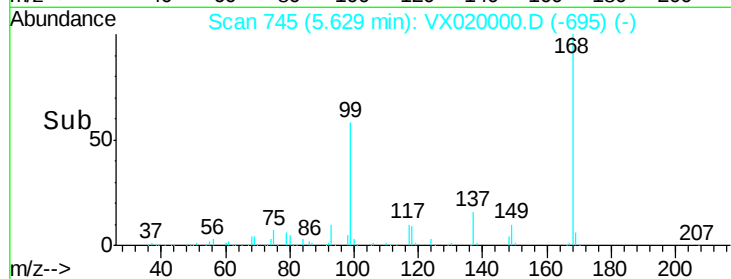
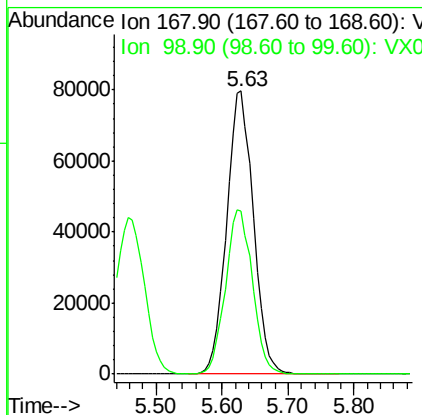
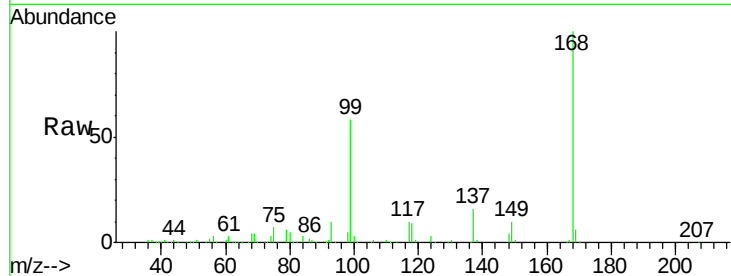
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.01 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Tot Ion	Ratio	Resp	Lower	Upper
168	100	222833		
99	57.4	45.8	68.6	

Manual Integrations
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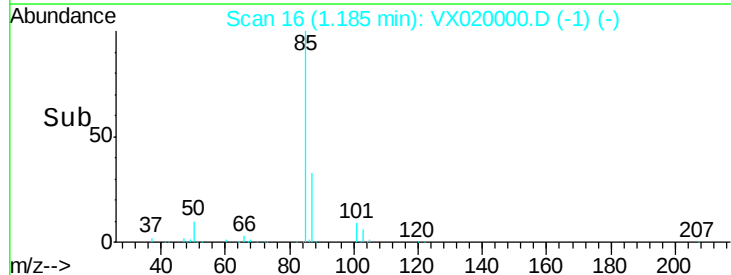
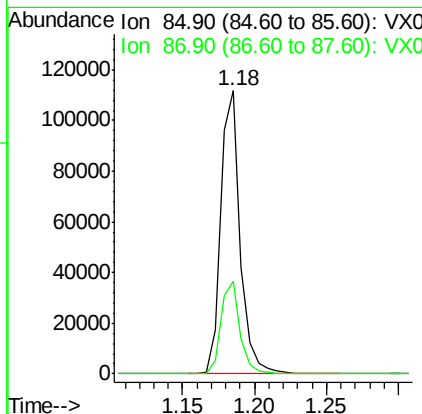
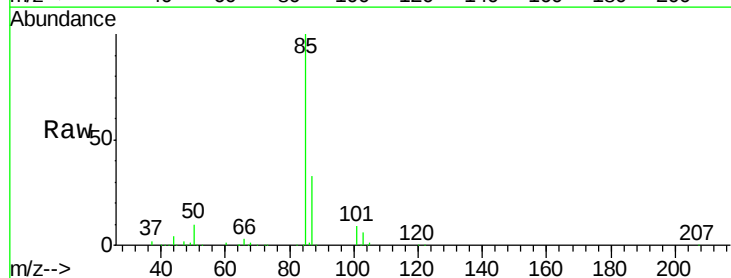
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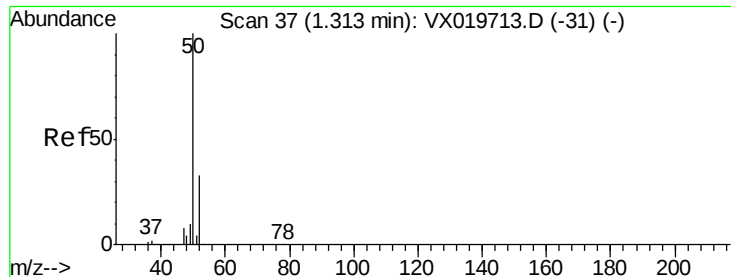


#2

Dichlorodifluoromethane
 Concen: 51.877 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	105835		
87	32.5	16.4	49.2	





#3

Chloromethane

Concen: 52.006 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MS

Tot Ion: 50 Resp: 124779

Ion Ratio Lower Upper

50 100

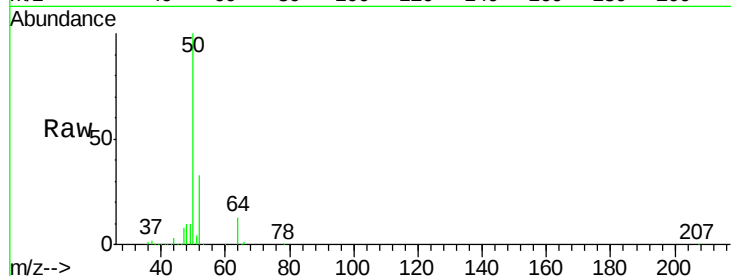
52 33.5 26.4 39.6

Manual Integrations

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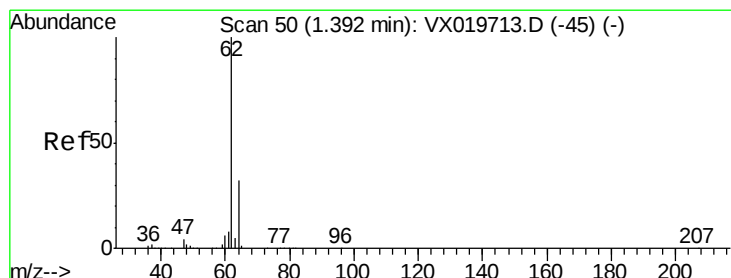
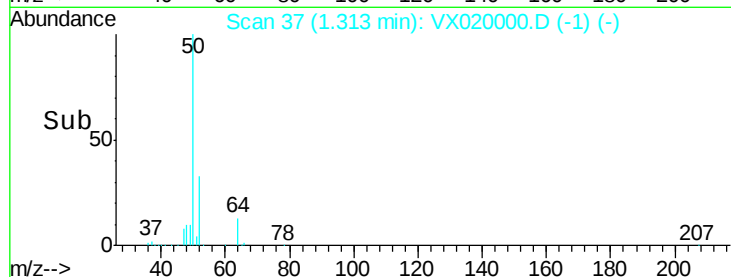
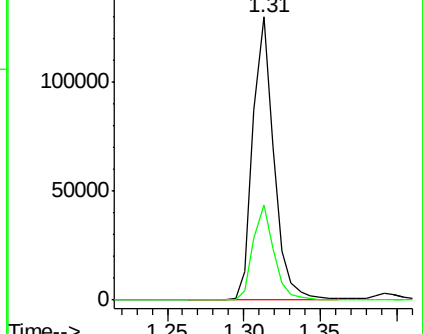
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 155.541 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX020000.D

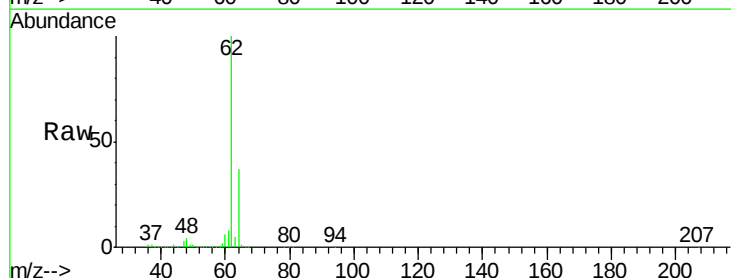
Acq: 14 Dec 2020 20:31

Tgt Ion: 62 Resp: 393495

Ion Ratio Lower Upper

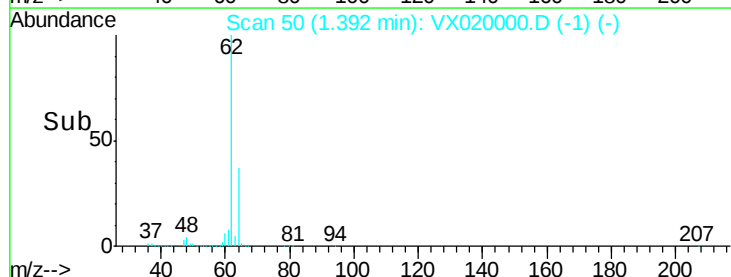
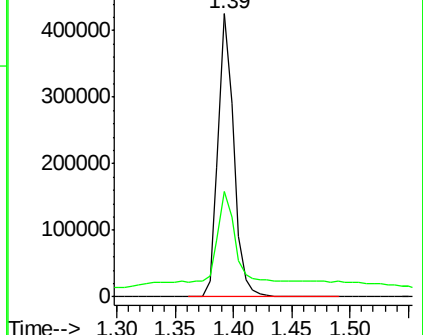
62 100

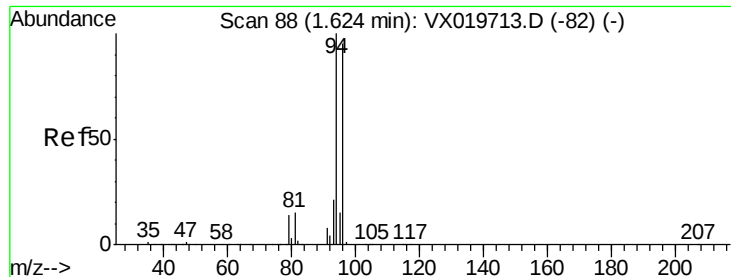
64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 31.235 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MS

Tot Ion: 94 Resp: 26238

Ion Ratio Lower Upper

94 100

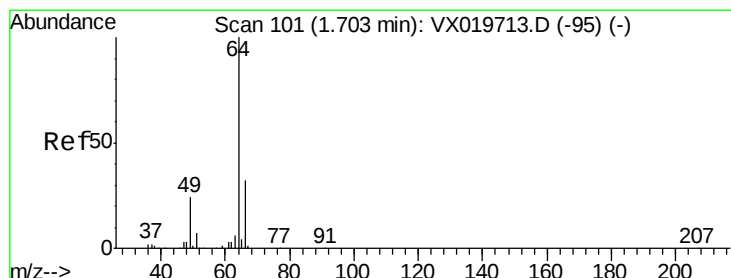
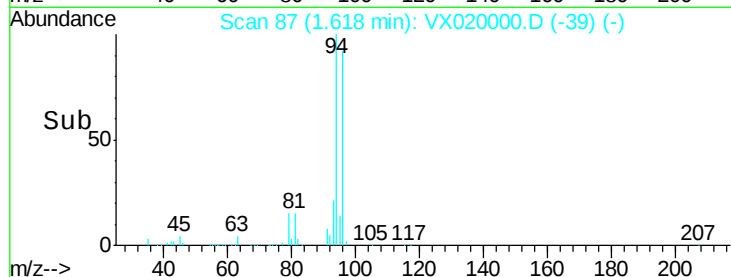
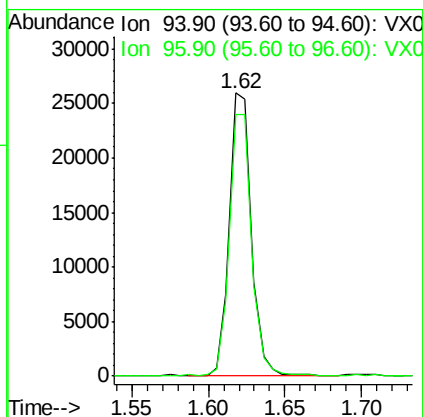
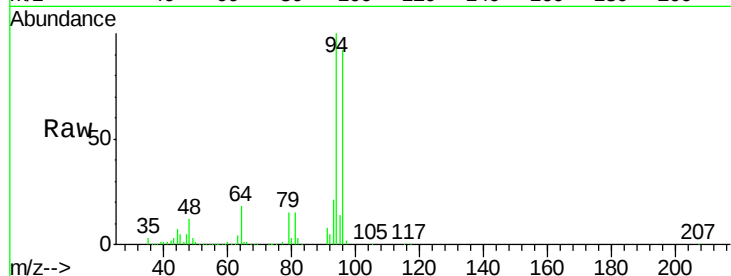
96 92.4 76.4 114.6

Manual Integrations

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#6

Chloroethane

Concen: 81.136 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.01 min

Lab File: VX020000.D

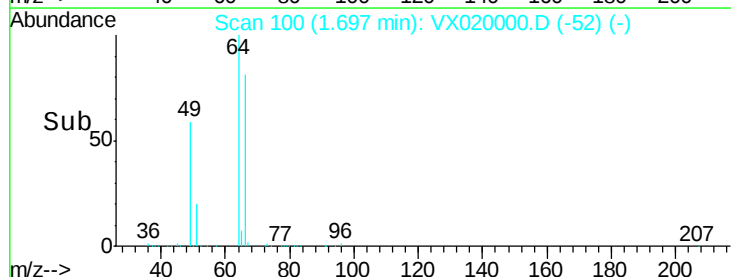
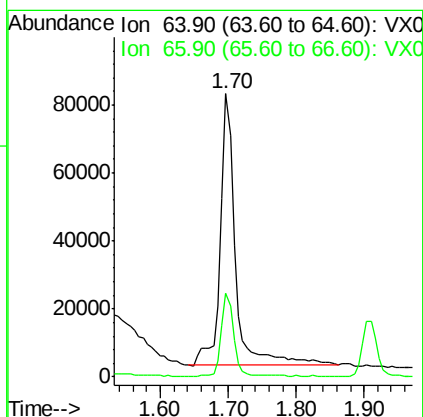
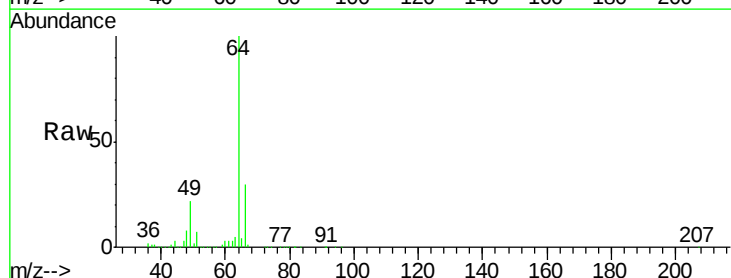
Acq: 14 Dec 2020 20:31

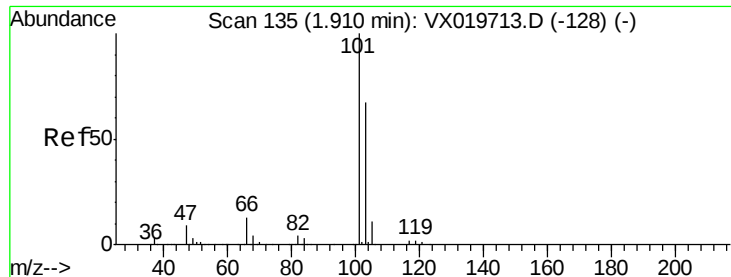
Tgt Ion: 64 Resp: 123304

Ion Ratio Lower Upper

64 100

66 30.7 25.4 38.0





#7

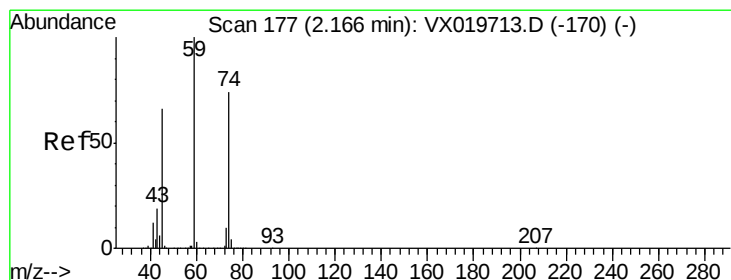
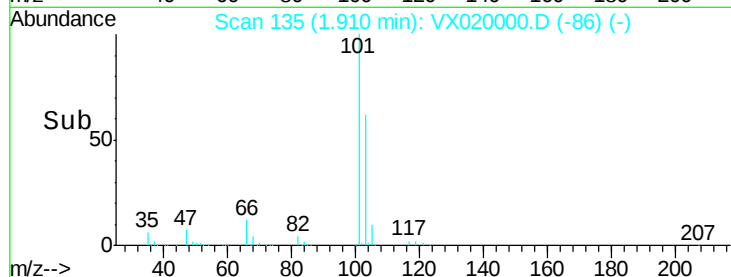
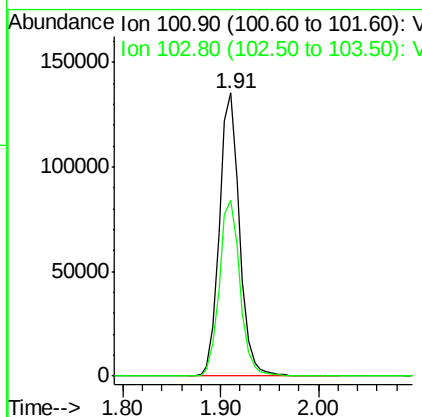
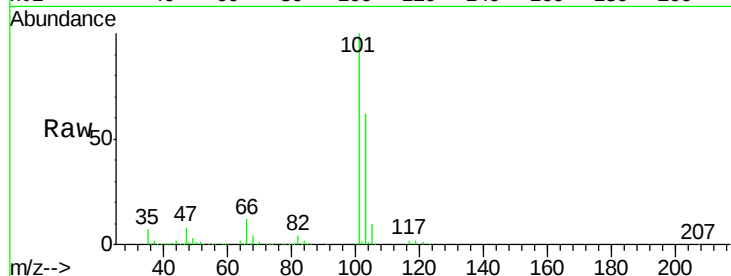
Trichlorofluoromethane
Concen: 54.810 ug/l
RT: 1.91 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	193108		
103	62.0	53.2	79.8	

Manual Integrations
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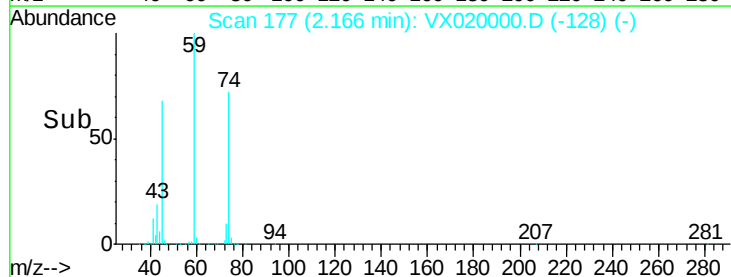
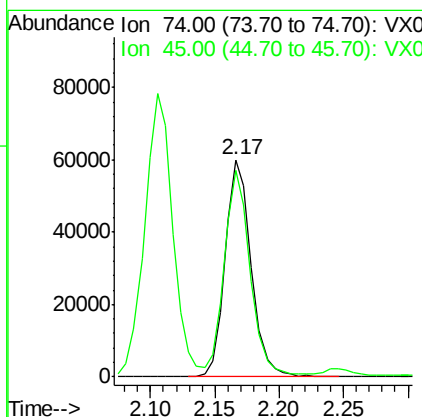
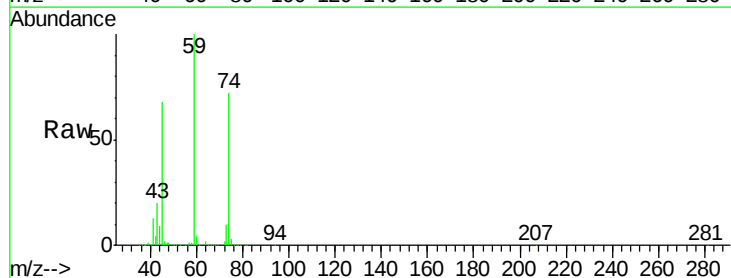
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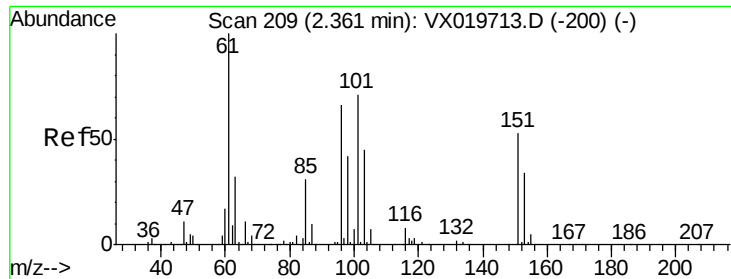


#8

Diethyl Ether
Concen: 57.108 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	85264		
45	94.2	44.5	133.5	





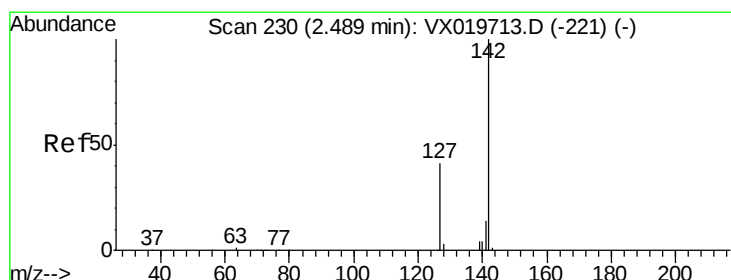
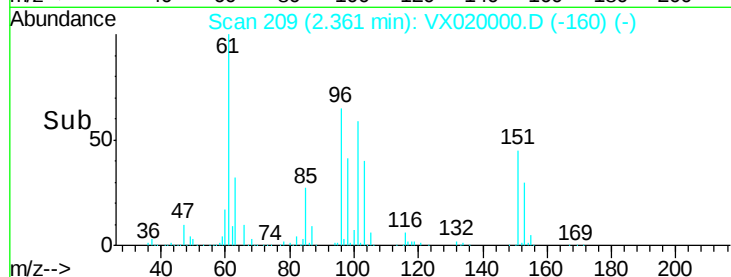
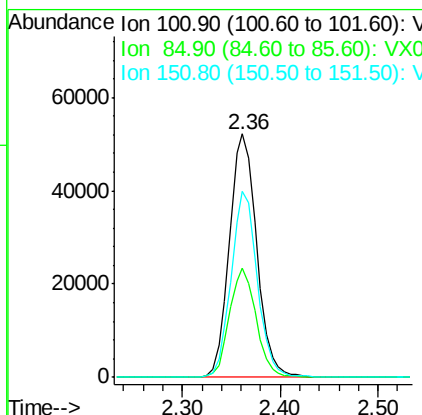
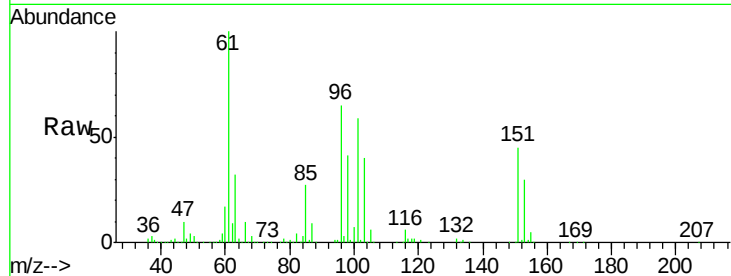
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.982 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	43.9	34.9	52.3
151	73.9	61.4	92.2

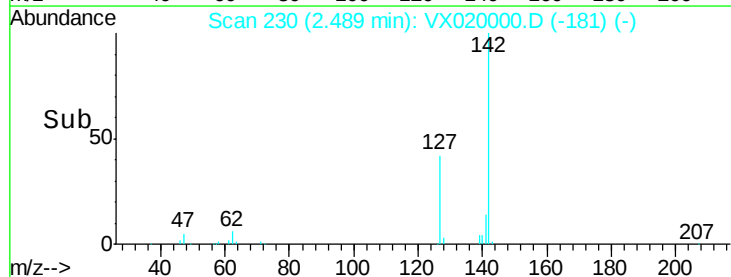
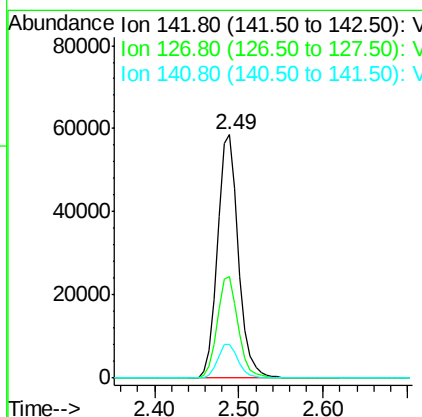
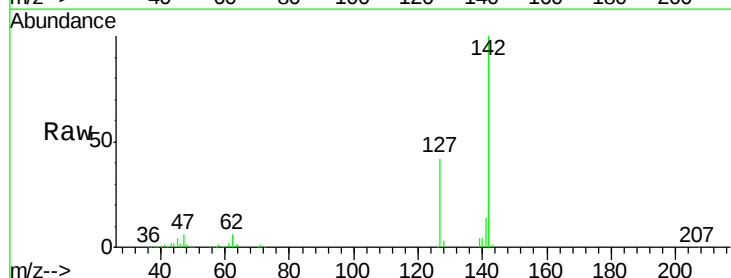
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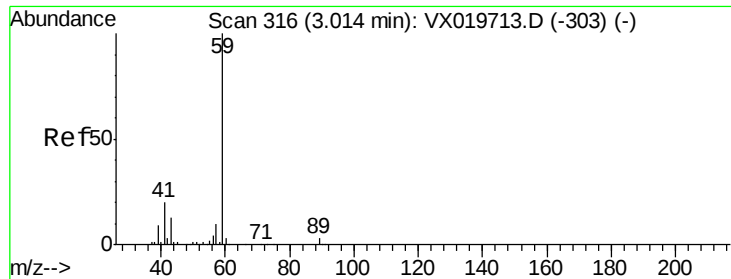
MMDadoda
12/15/2020 5:34:16 PM



#10
Methyl Iodide
Concen: 33.778 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
127	41.6	33.3	49.9
141	14.0	11.4	17.0





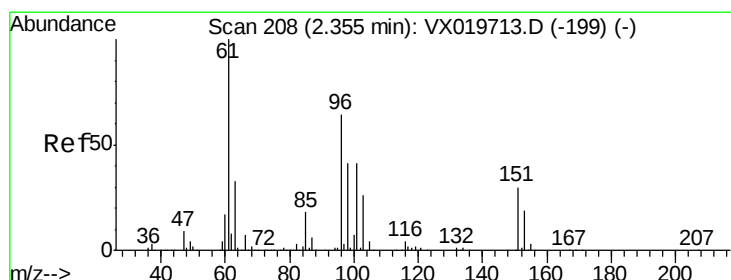
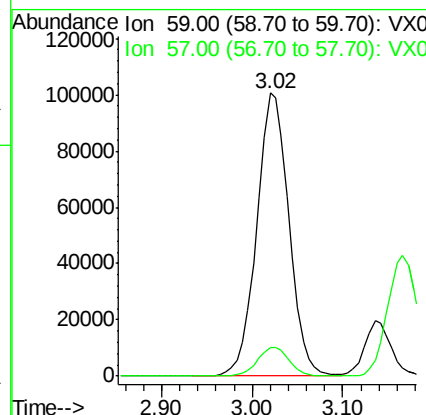
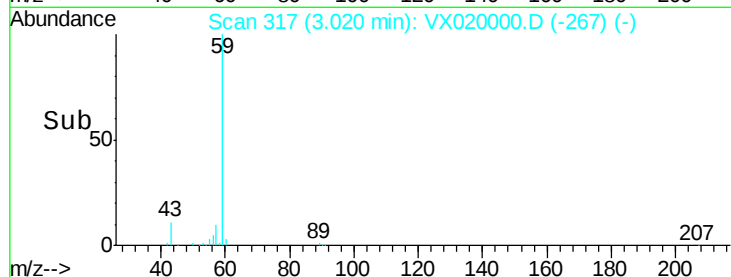
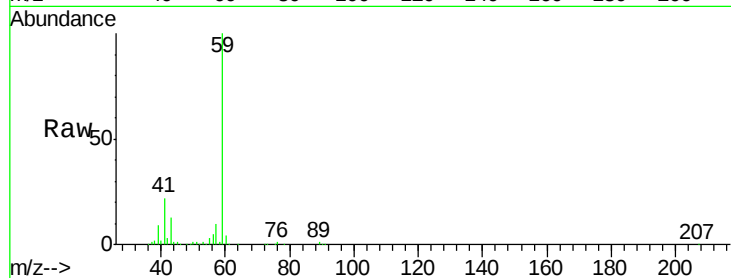
#11
Tert butyl alcohol
Concen: 413.354 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion: 59 Resp: 247849
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.8

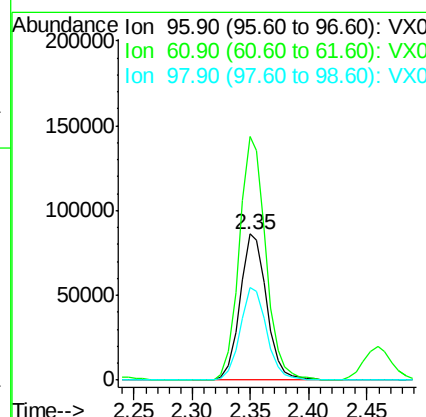
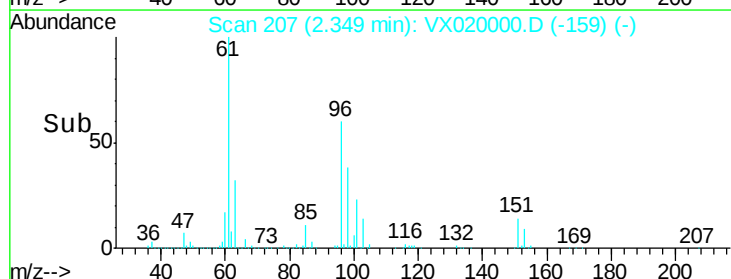
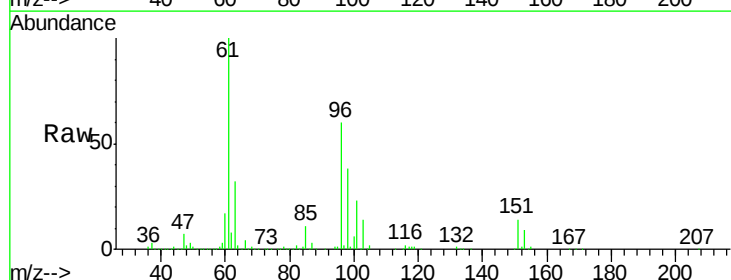
Manual Integrations
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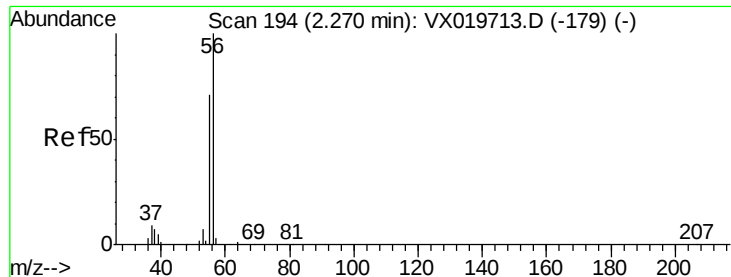
MMDadoda
12/15/2020 5:34:16 PM



#12
1,1-Dichloroethene
Concen: 67.369 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion: 96 Resp: 137542
Ion Ratio Lower Upper
96 100
61 166.5 124.6 187.0
98 63.3 50.6 76.0





#13

Acrolein

Concen: 224.360 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MS

Tot Ion: 56 Resp: 72529

Ion Ratio Lower Upper

56 100

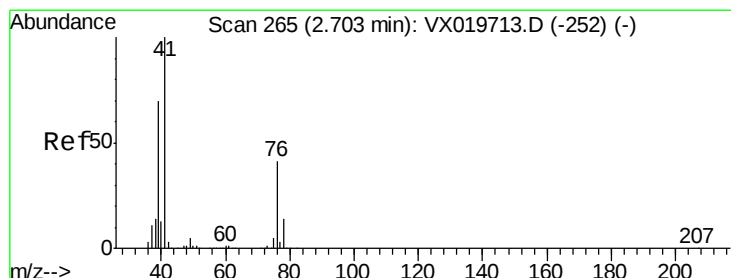
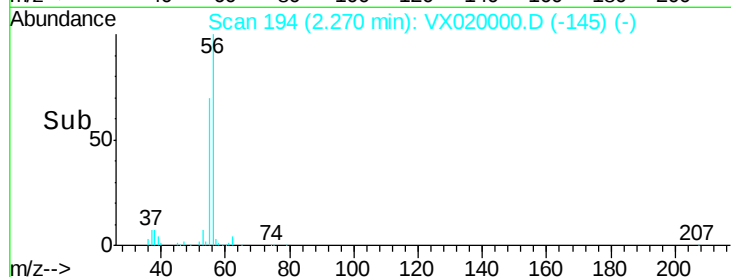
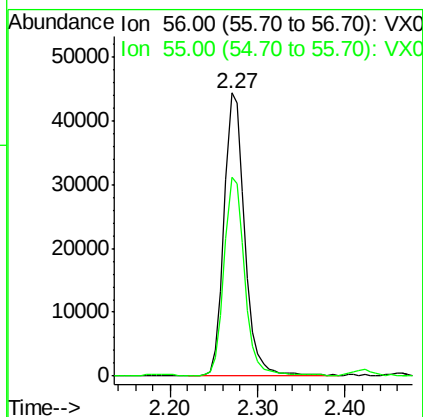
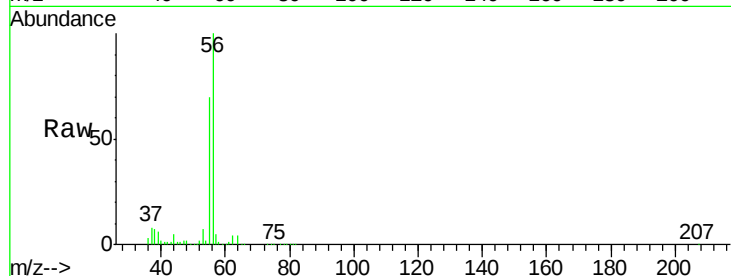
55 69.4 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 56.136 ug/l

RT: 2.70 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

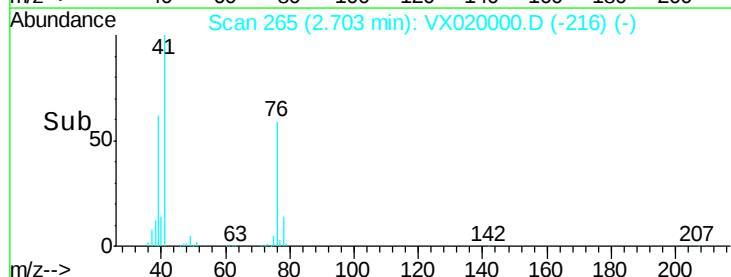
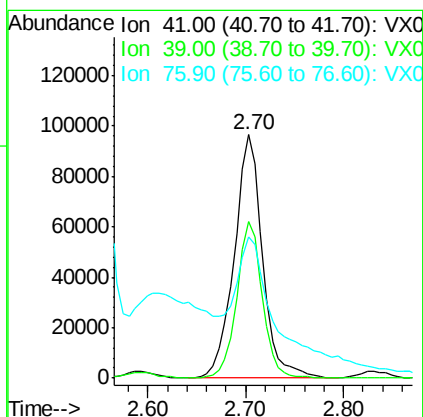
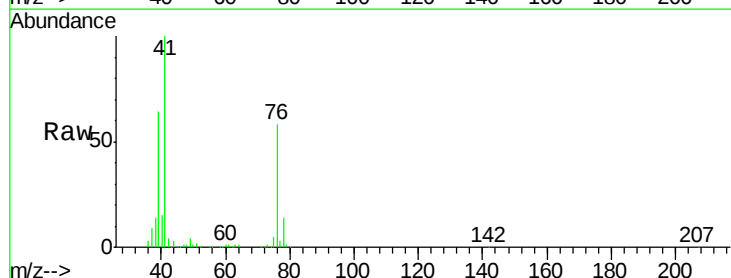
Tgt Ion: 41 Resp: 193565

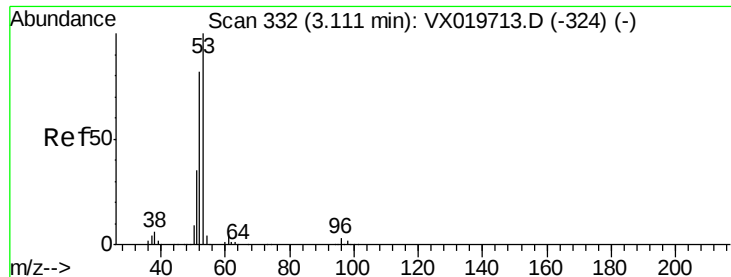
Ion Ratio Lower Upper

41 100

39 57.7 51.6 77.4

76 100.9 30.5 45.7#





#15

Acrylonitrile

Concen: 355.843 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.01 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

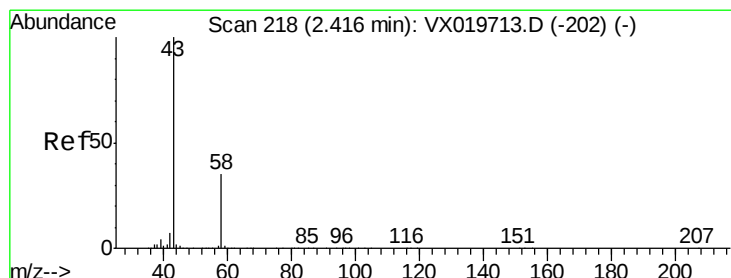
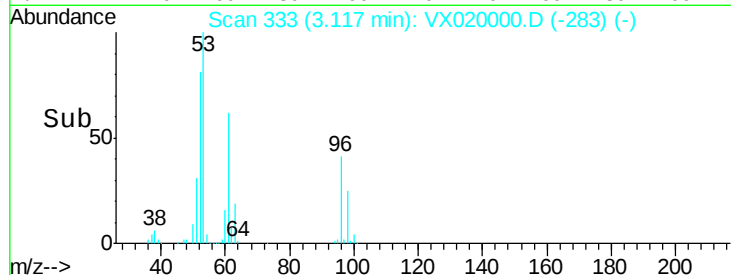
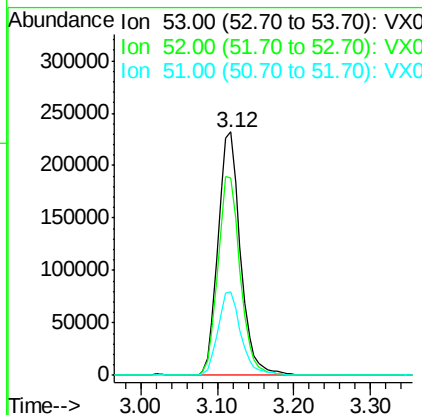
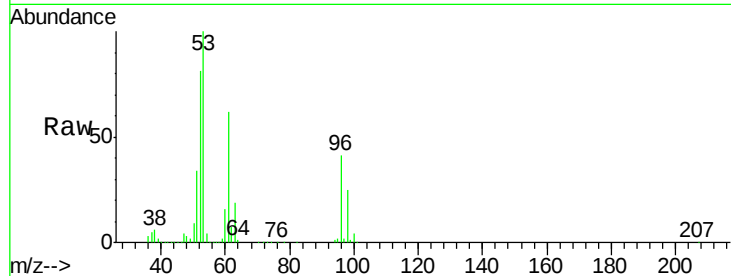
ClientSampleId :

TU032-32-5229-121020MS

Tot Ion:	53	Resp:	471128
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.3	97.9
51	35.4	28.2	42.2

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#16

Acetone

Concen: 404.762 ug/l

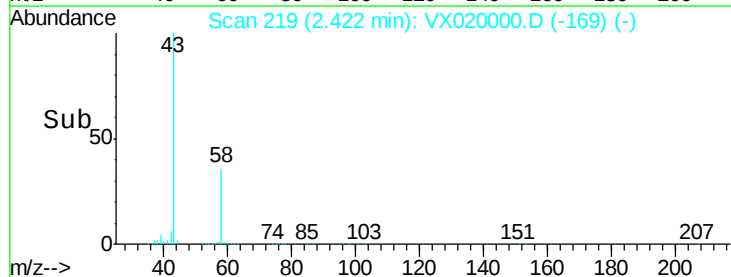
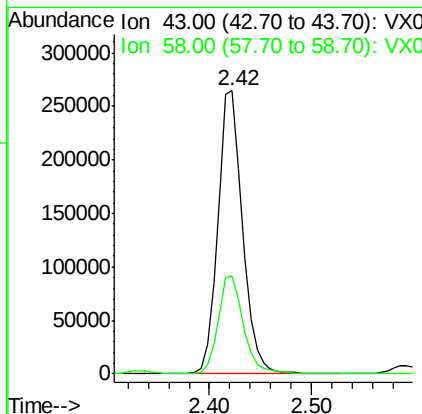
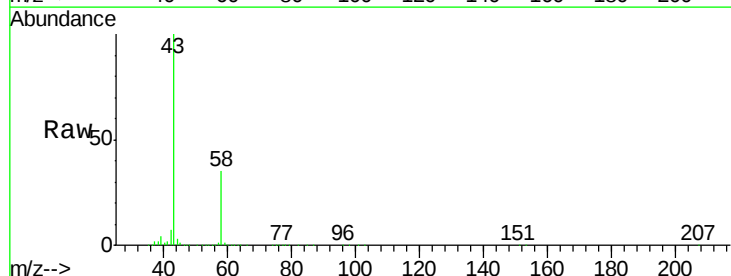
RT: 2.42 min Scan# 219

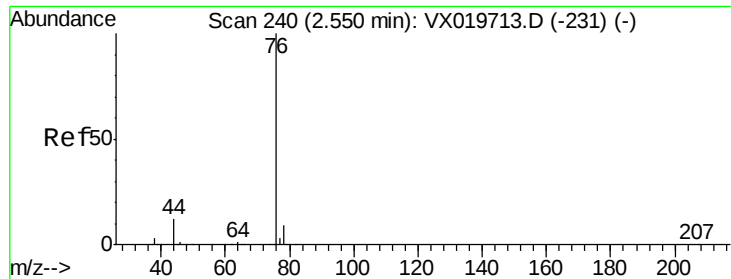
Delta R.T. 0.01 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Tgt Ion:	43	Resp:	445569
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.8	41.8





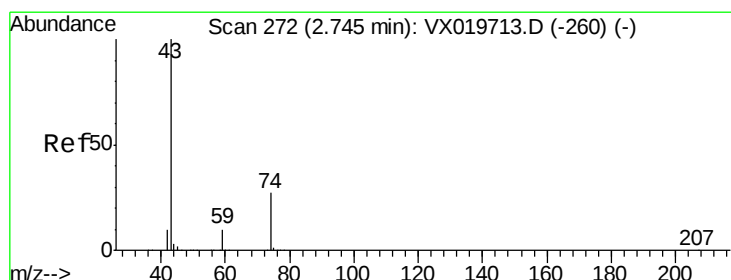
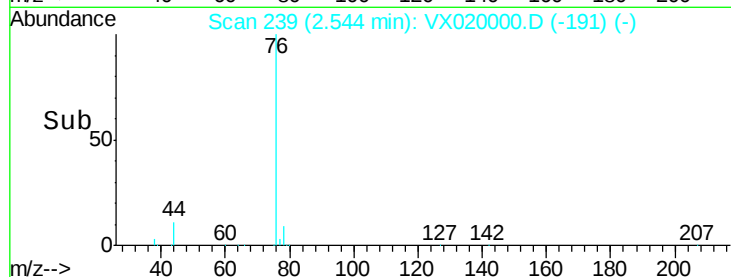
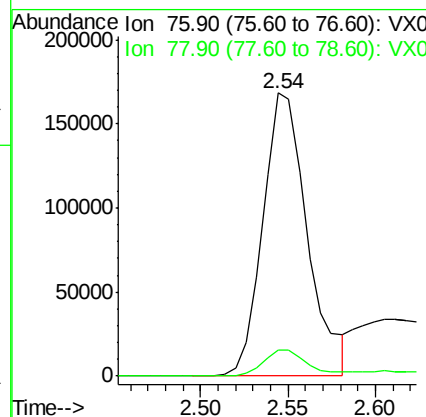
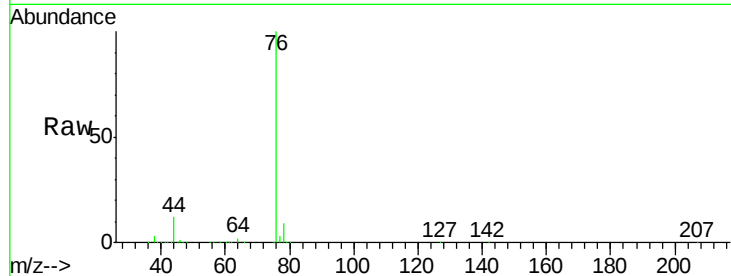
#17
Carbon Disulfide
Concen: 50.943 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

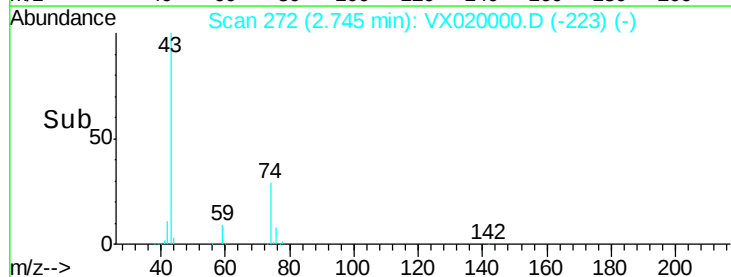
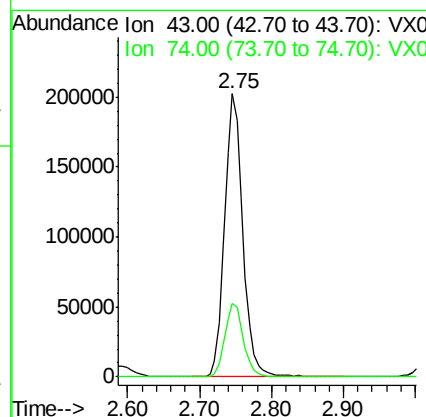
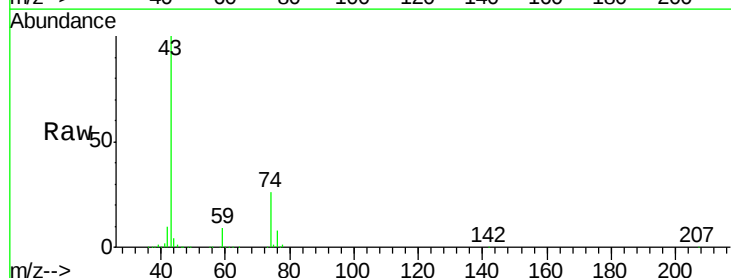
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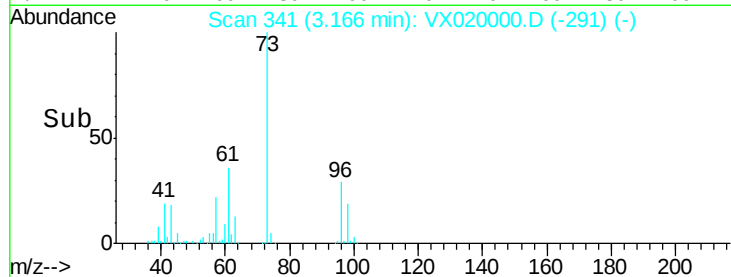
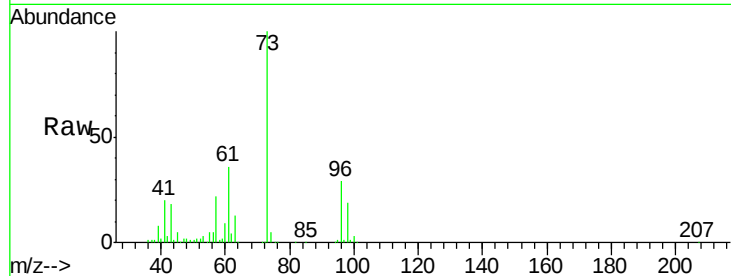
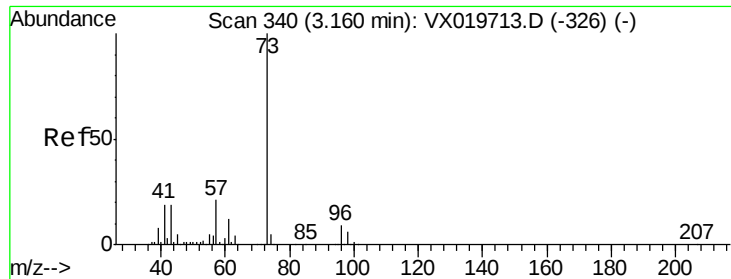
MMDadoda
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#18
Methyl Acetate
Concen: 131.130 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	21.9	32.9





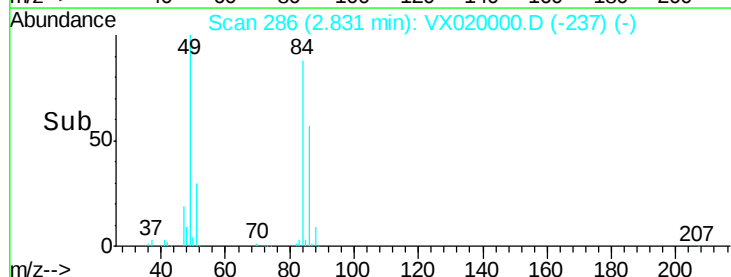
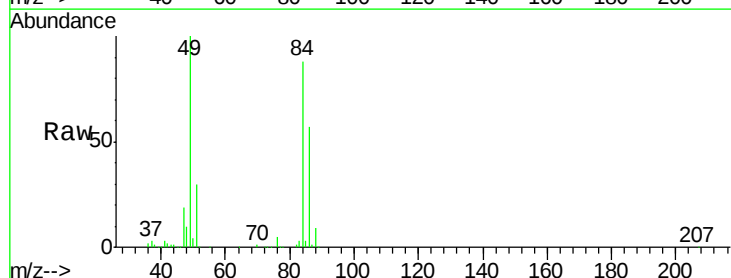
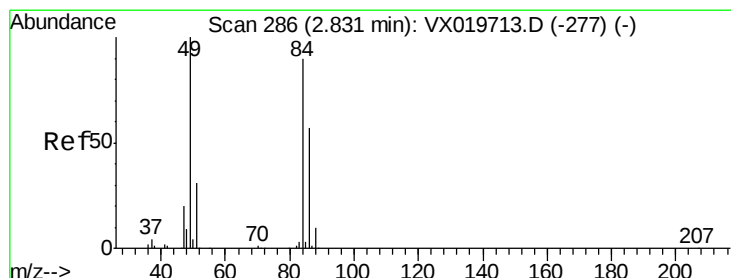
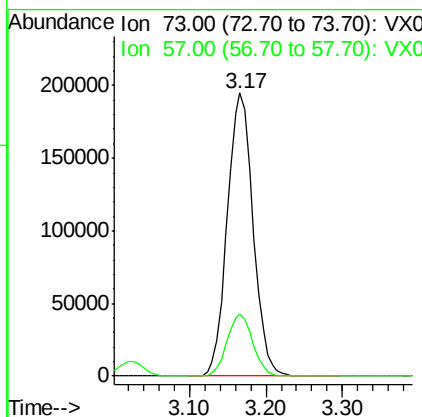
#19
Methvl tert-butvl Ether
Concen: 61.047 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tot Ion	73	57	Ratio	100	22.0	Resp:	453902	Lower	17.1	Upper	25.7
Ion	73	57	Ratio	100	22.0	Resp:	453902	Lower	17.1	Upper	25.7

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

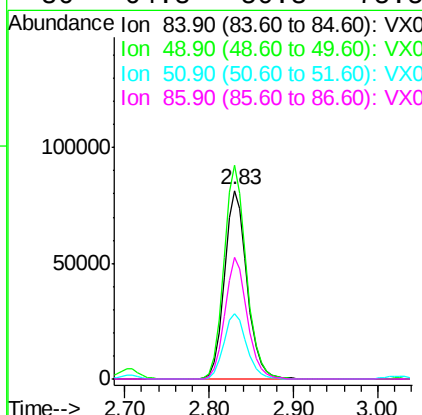
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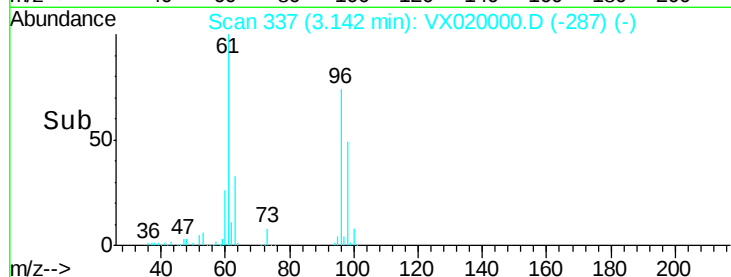
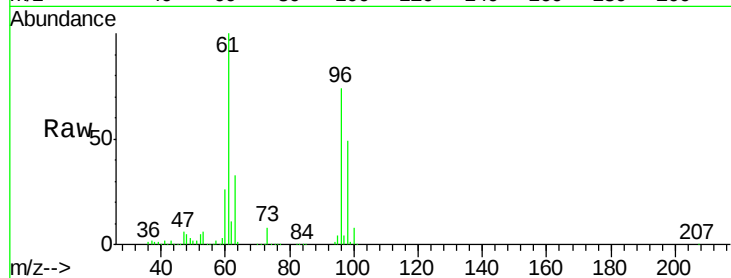
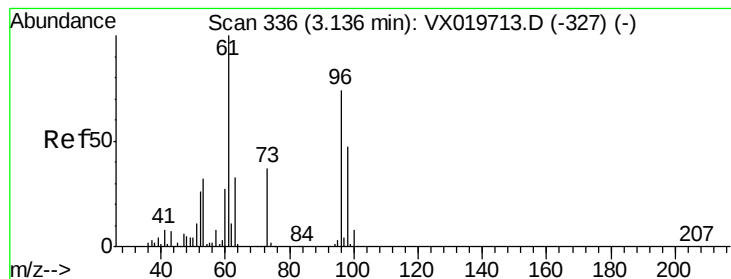
MMDadoda
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#20
Methylene Chloride
Concen: 59.569 ug/l
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	84	49	51	86	Ratio	100	113.3	34.4	64.8	Resp:	149021	Lower	88.6	40.6	Upper	75.5
Ion	84	49	51	86	Ratio	100	113.3	34.4	64.8	Resp:	149021	Lower	88.6	40.6	Upper	75.5





#21

trans-1,2-Dichloroethene

Concen: 369.932 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Tot Ion:	96	Resp:	880529
Ion	Ratio	Lower	Upper
96	100		
61	135.1	107.7	161.5
98	65.7	50.4	75.6

Instrument :

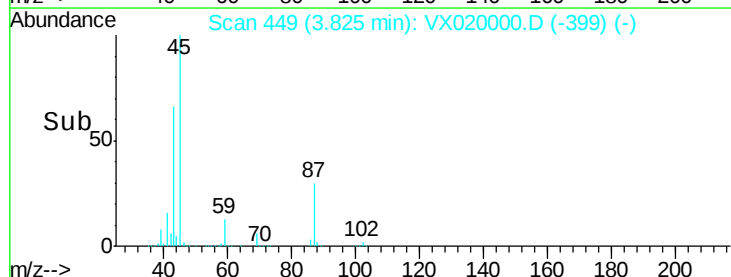
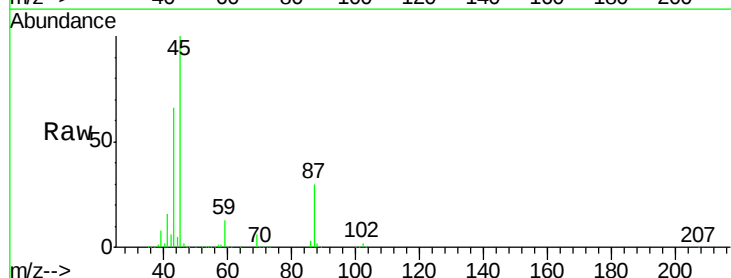
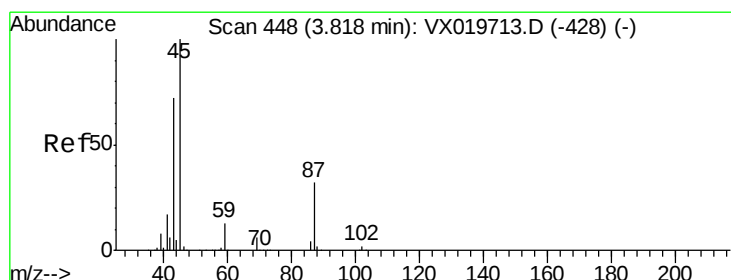
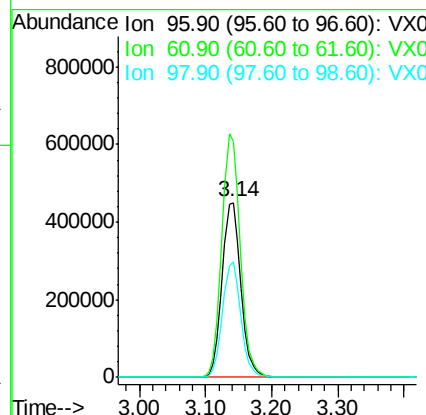
MSVOA_X

ClientSampleId :

TU032-32-5229-121020MS

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#22

Diisopropyl ether

Concen: 62.199 ug/l

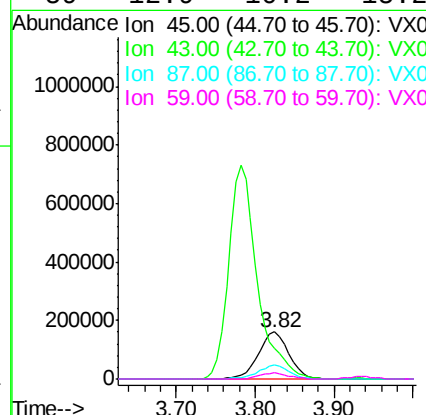
RT: 3.82 min Scan# 449

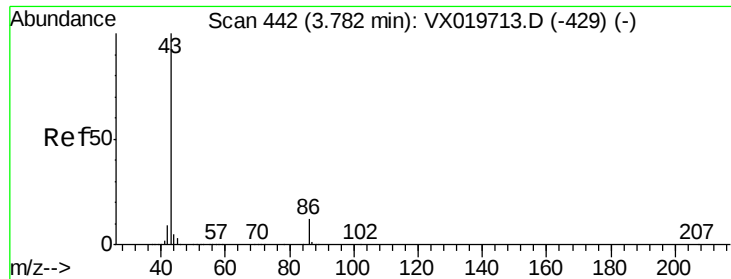
Delta R.T. 0.01 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Tgt Ion:	45	Resp:	433631
Ion	Ratio	Lower	Upper
45	100		
43	66.0	58.0	87.0
87	30.1	25.4	38.0
59	12.9	10.2	15.2





#23

Vinyl Acetate

Concen: 310.749 ug/l

RT: 3.78 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MS

Tot Ion: 43 Resp: 1845695

Ion Ratio Lower Upper

43 100

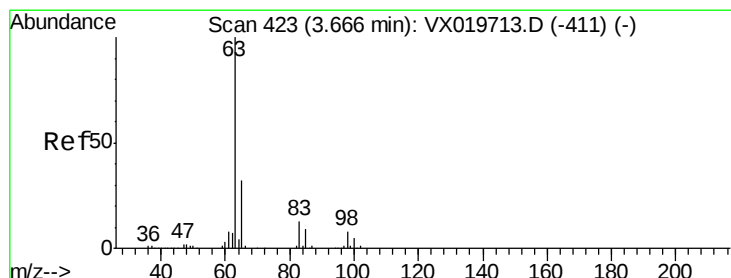
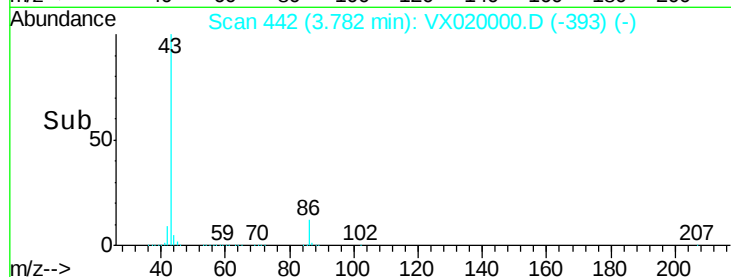
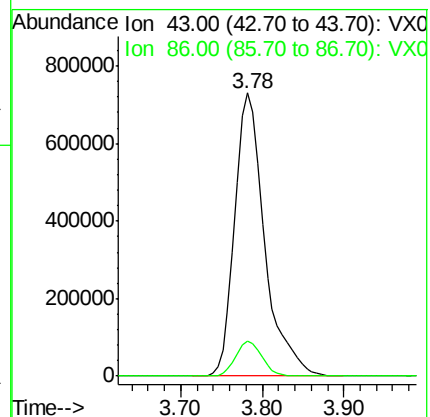
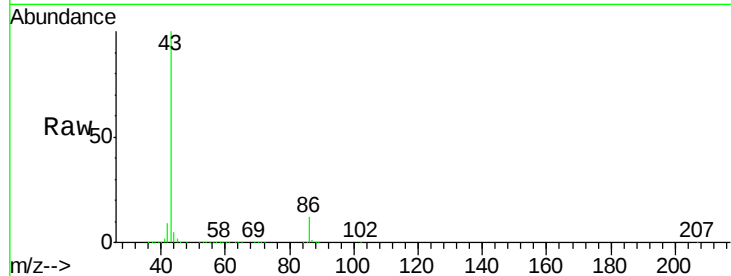
86 12.3 9.9 14.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 59.489 ug/l

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

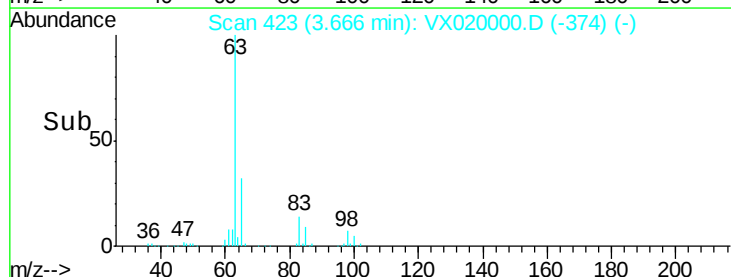
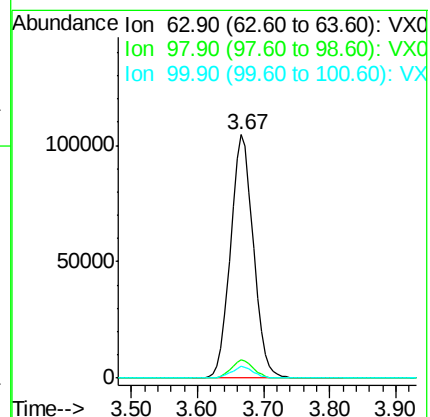
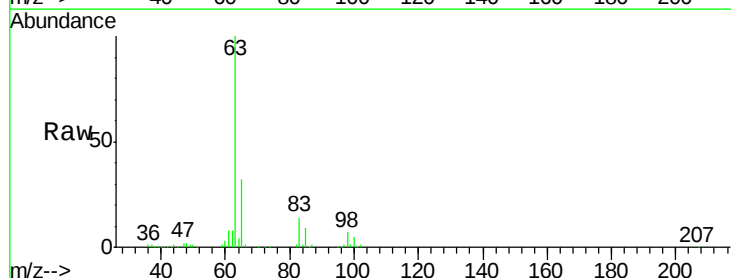
Tgt Ion: 63 Resp: 250097

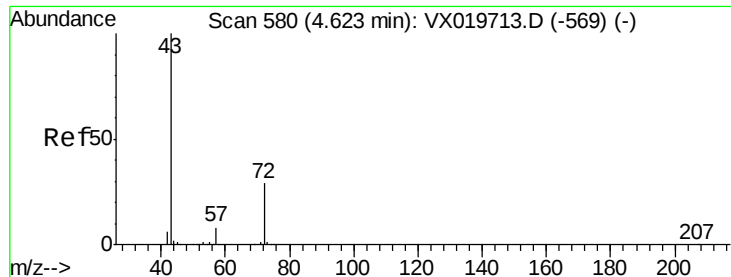
Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 5.0 2.5 7.5





#25

2-Butanone

Concen: 400.773 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MS

Tot Ion: 43 Resp: 677915

Ion Ratio Lower Upper

43 100

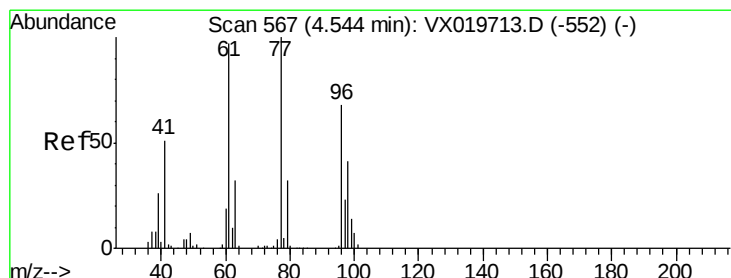
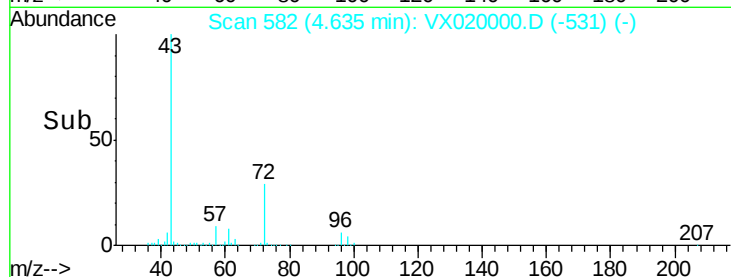
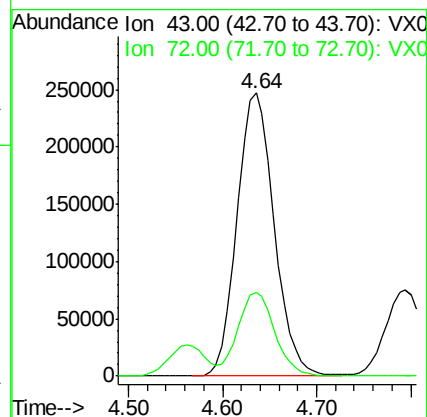
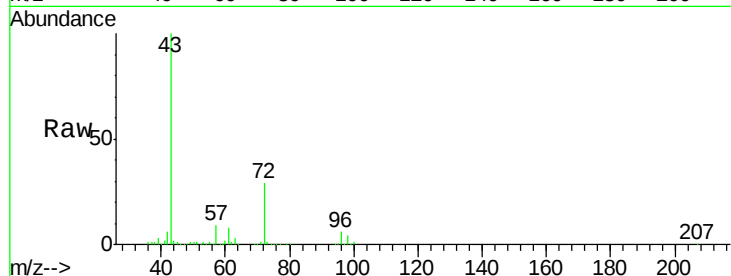
72 29.4 23.7 35.5

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#26

2,2-Dichloropropane

Concen: 22.803 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.01 min

Lab File: VX020000.D

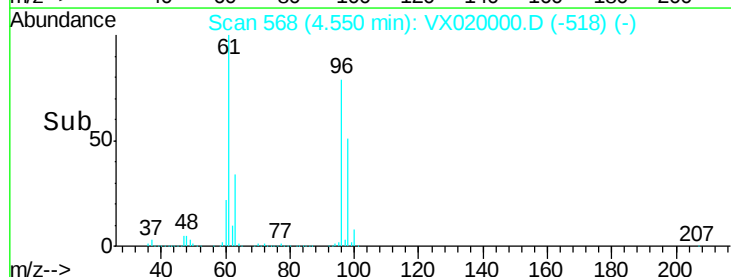
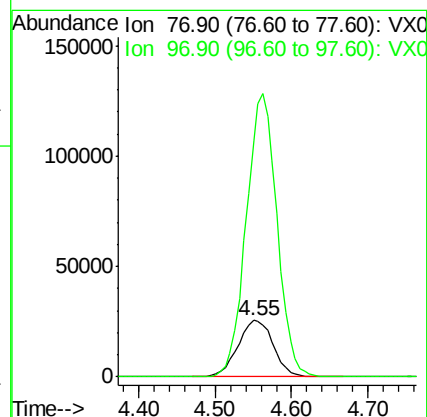
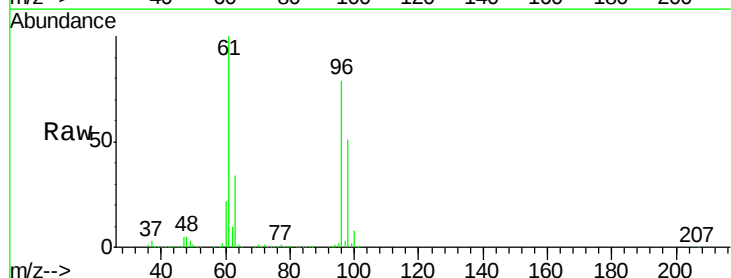
Acq: 14 Dec 2020 20:31

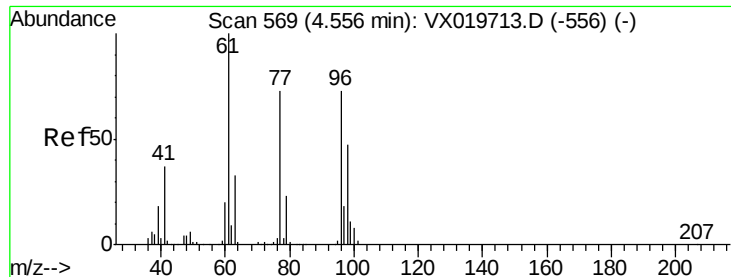
Tgt Ion: 77 Resp: 82555

Ion Ratio Lower Upper

77 100

97 435.2 11.7 35.1#





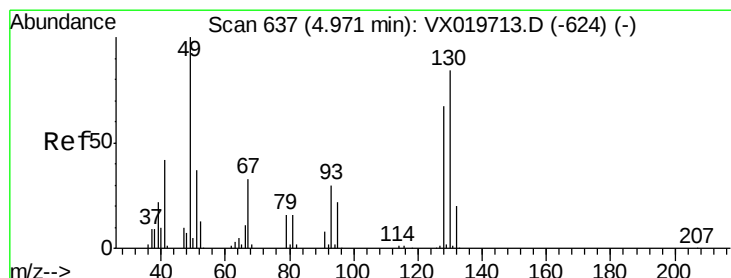
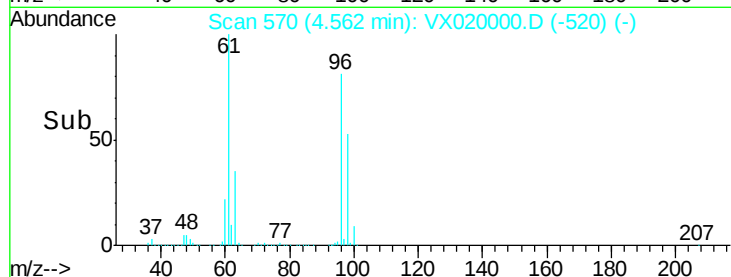
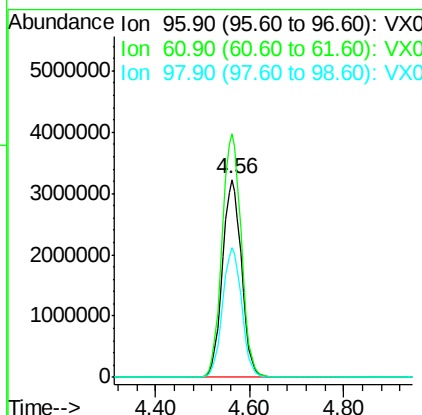
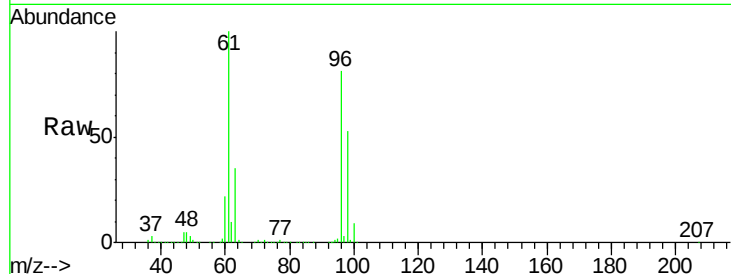
#27
 cis-1,2-Dichloroethene
 Concen: 3241.465 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Tot Ion: 96 Resp: 9029128
 Ion Ratio Lower Upper
 96 100
 61 124.5 0.0 285.6
 98 65.6 0.0 129.6

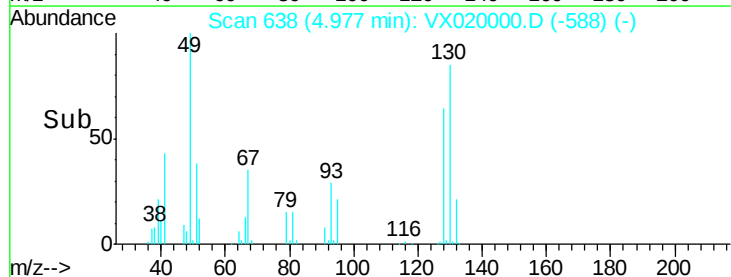
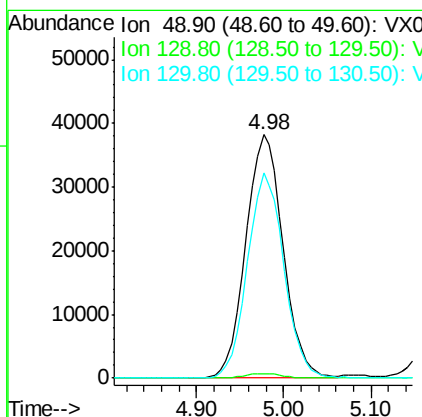
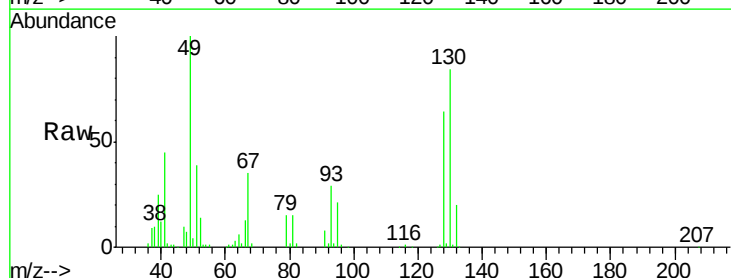
Manual Integrations
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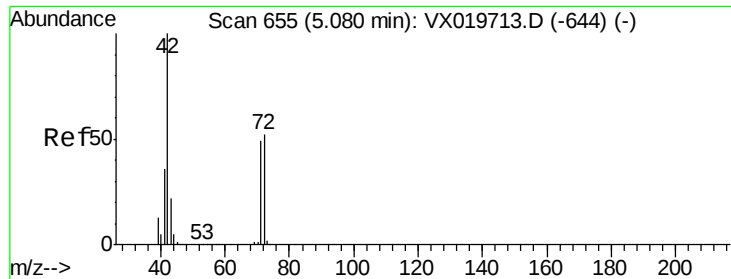
MMDadoda
 12/15/2020 5:34:16 PM



#28
 Bromochloromethane
 Concen: 56.633 ug/l
 RT: 4.98 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Tgt Ion: 49 Resp: 113500
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 82.4 68.2 102.2





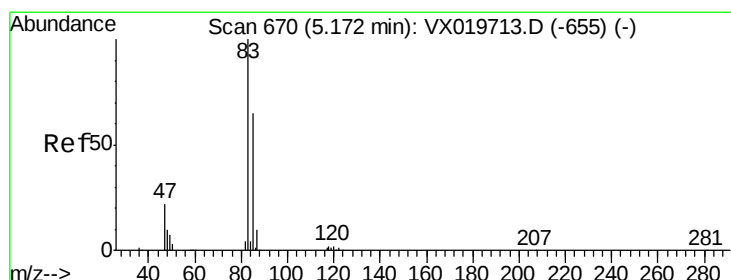
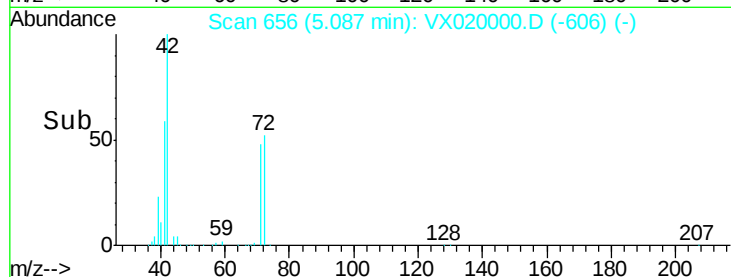
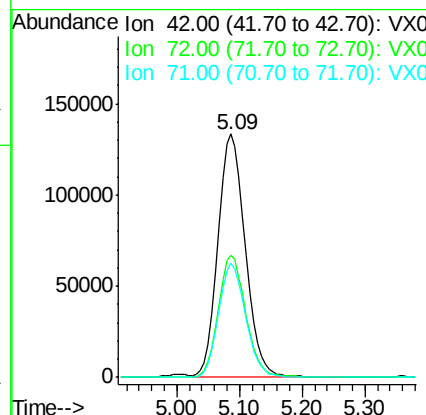
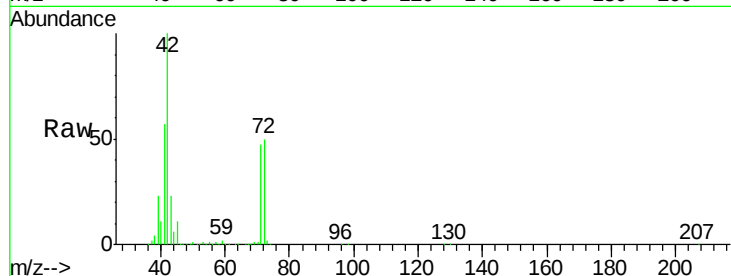
#29
Tetrahydrofuran
Concen: 367.591 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	41.7	62.5
71	46.6	38.4	57.6

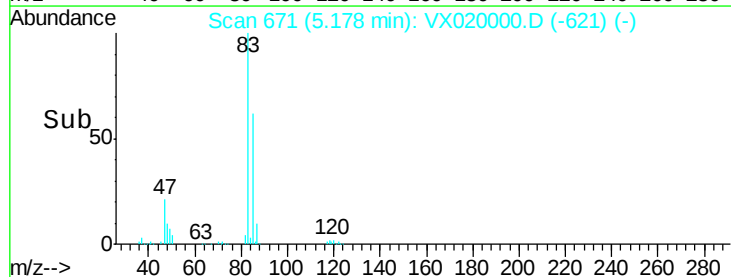
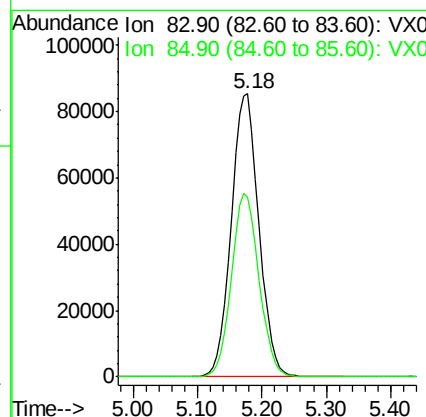
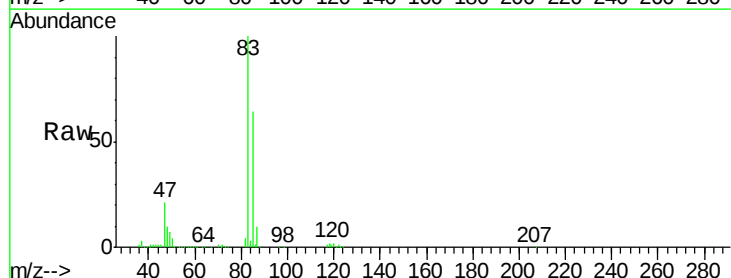
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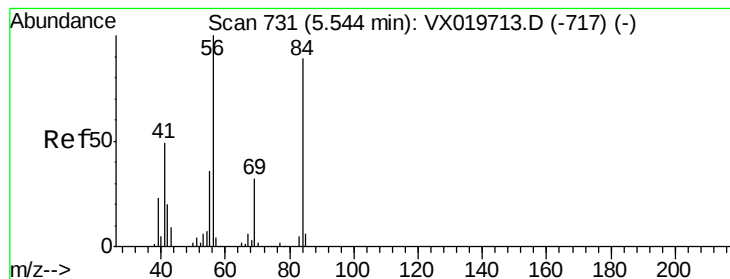
MMDadoda
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#30
Chloroform
Concen: 59.279 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.0	78.0





#31

Cyclohexane

Concen: 47.555 ug/l

RT: 5.54 min Scan# 731

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

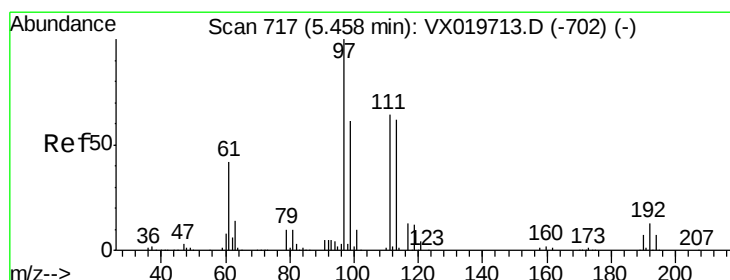
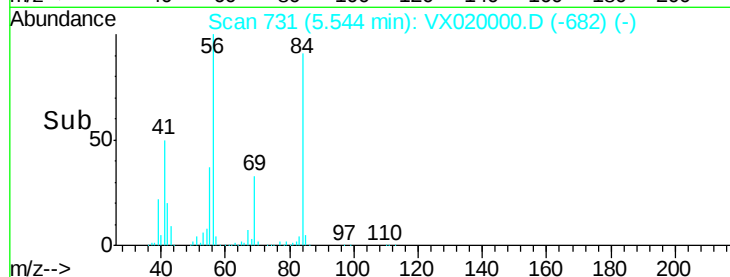
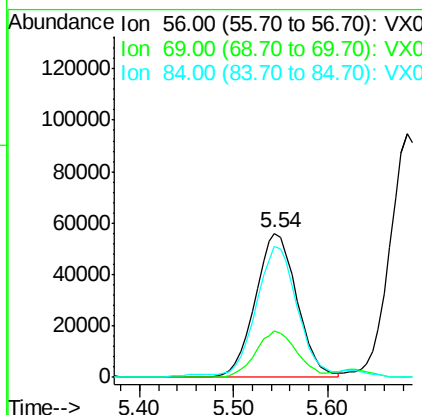
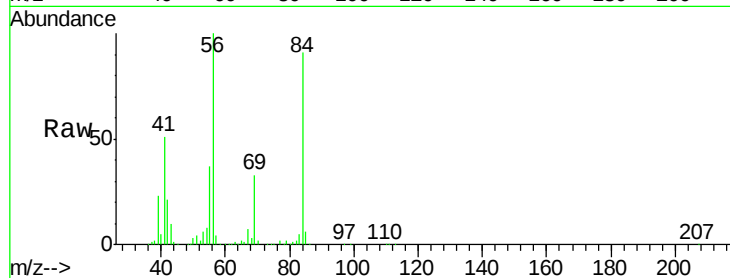
ClientSampleId :

TU032-32-5229-121020MS

Tot Ion:	56	Resp:	173244
Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.3	37.9
84	88.5	71.4	107.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 57.544 ug/l

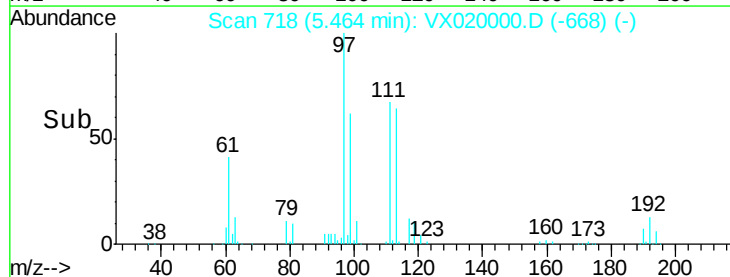
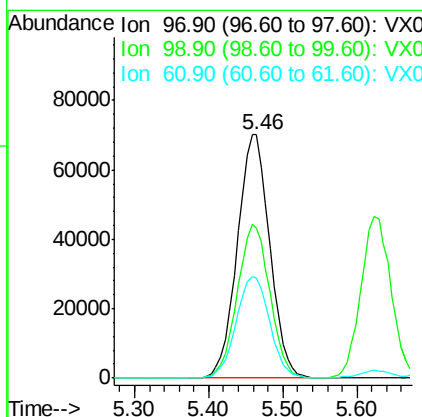
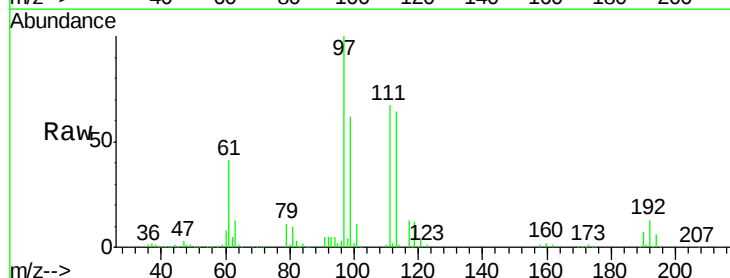
RT: 5.46 min Scan# 718

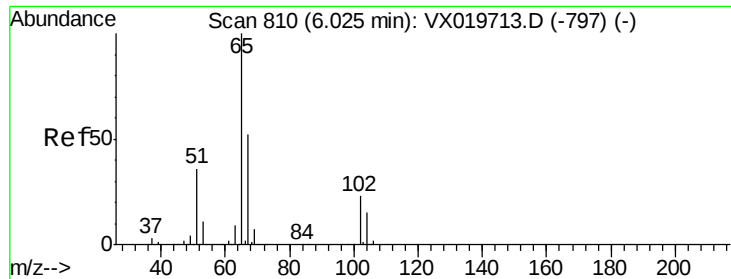
Delta R.T. 0.01 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Tgt Ion:	97	Resp:	214218
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.5	77.3
61	42.9	34.2	51.4





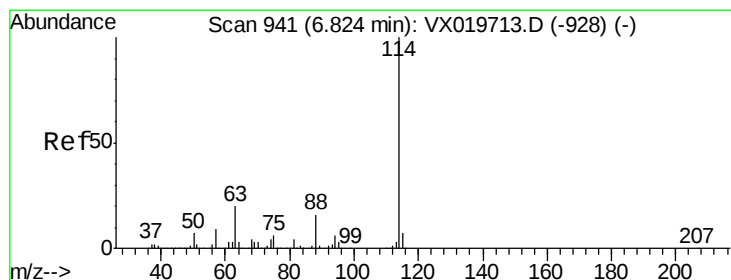
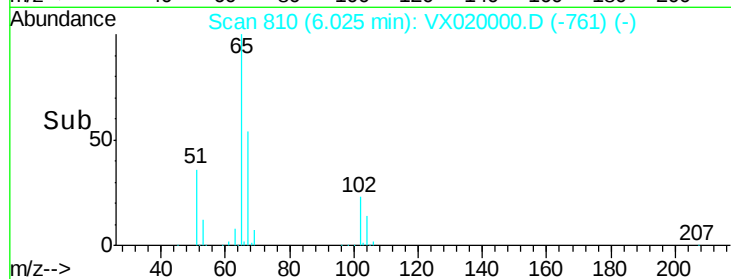
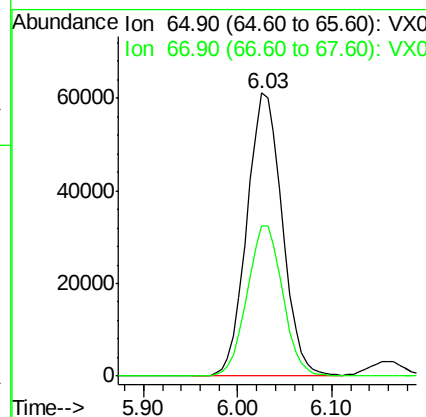
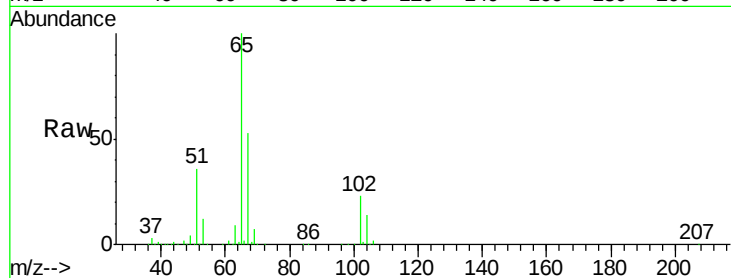
#33
 1,2-Dichloroethane-d4
 Concen: 54.669 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160109		
67	53.7	0.0	105.4	

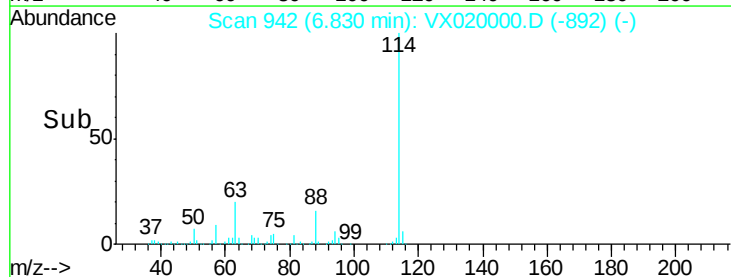
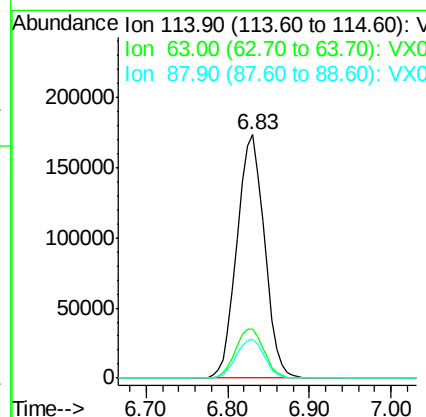
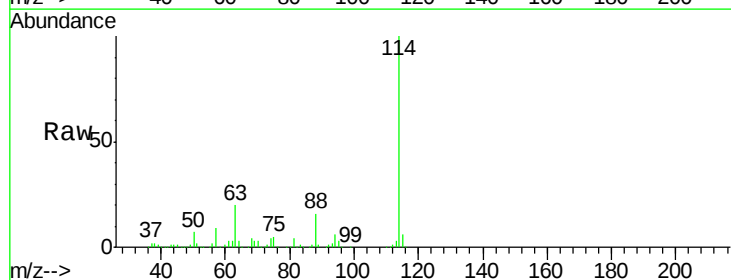
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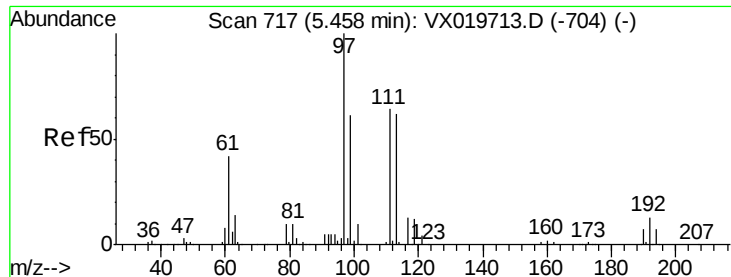
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	403968		
63	20.3	0.0	40.8	
88	15.7	0.0	32.8	





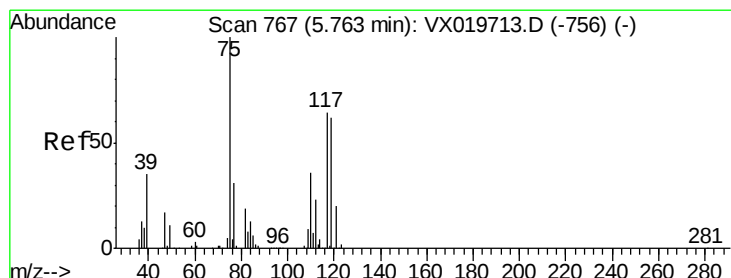
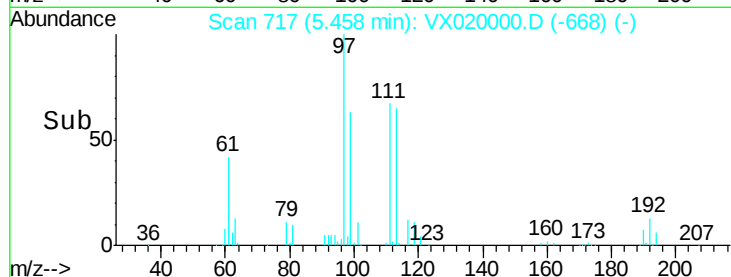
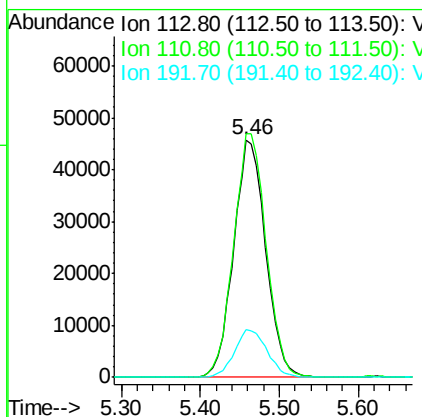
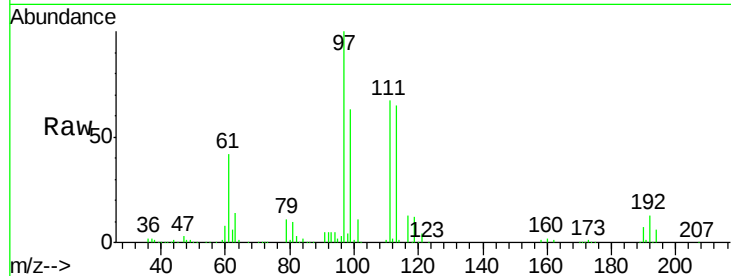
#35
Dibromofluoromethane
Concen: 49.422 ug/l
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129031		
111	104.3	81.9	122.9	
192	20.5	16.7	25.1	

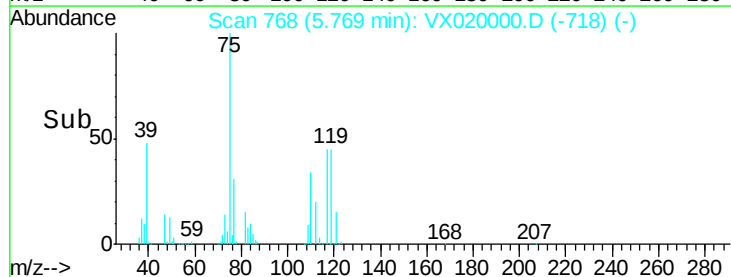
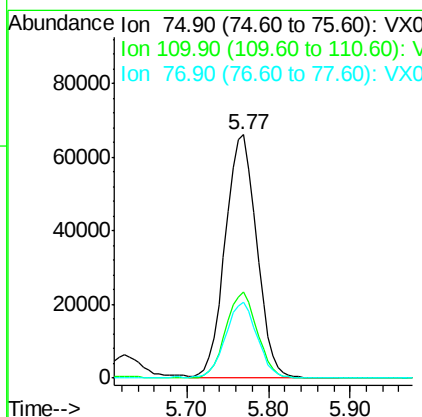
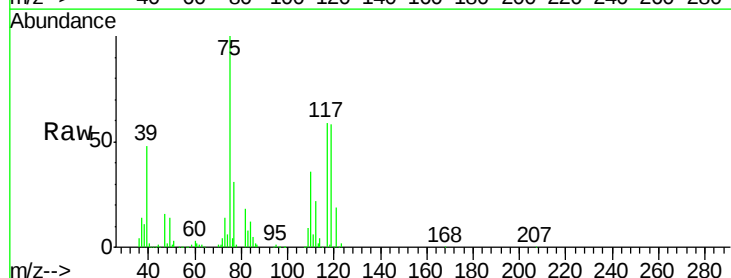
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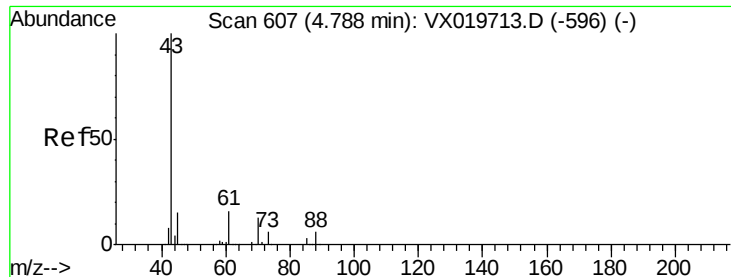
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#36
1,1-Dichloropropene
Concen: 48.541 ug/l
RT: 5.77 min Scan# 768
Delta R.T. 0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	177195		
110	35.4	18.1	54.4	
77	31.3	25.3	37.9	





#37

Ethyl Acetate

Concen: 58.778 ug/l

RT: 4.79 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

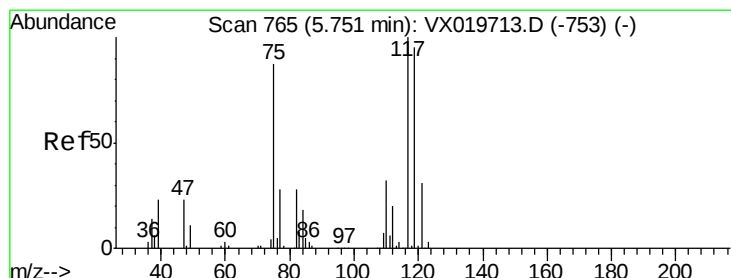
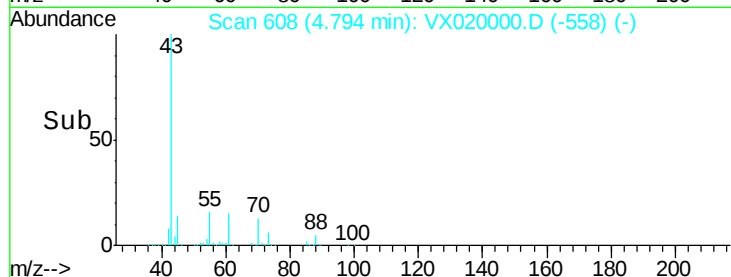
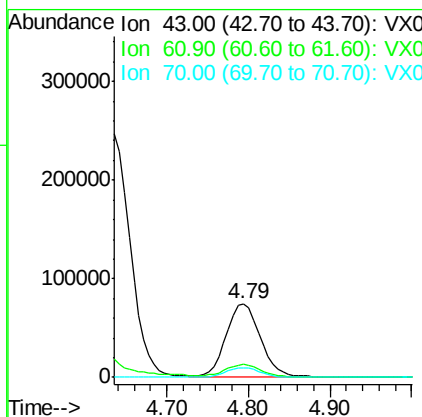
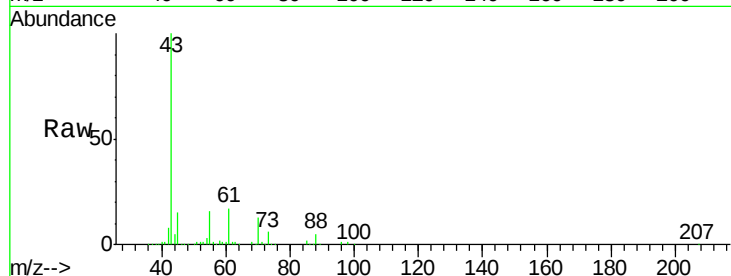
ClientSampleId :

TU032-32-5229-121020MS

Tot Ion:	43	Resp:	216637
Ion Ratio	Lower	Upper	
43	100		
61	0.0	12.8	19.2#
70	12.9	10.5	15.7

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#38

Carbon Tetrachloride

Concen: 49.409 ug/l

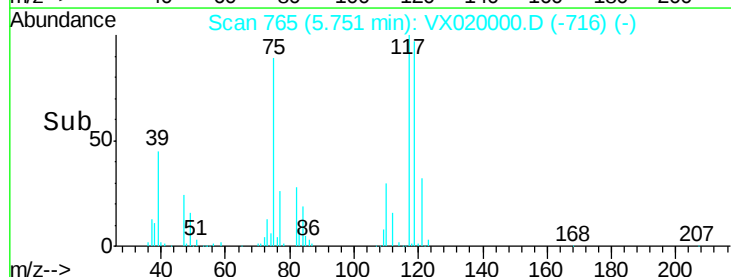
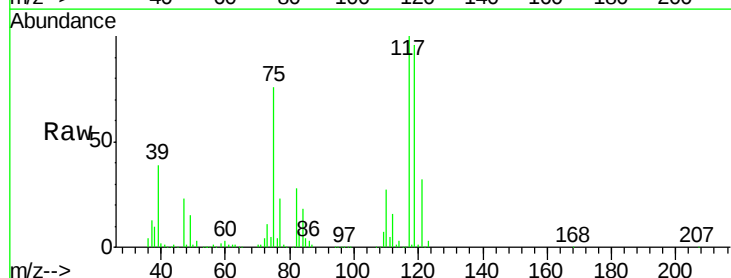
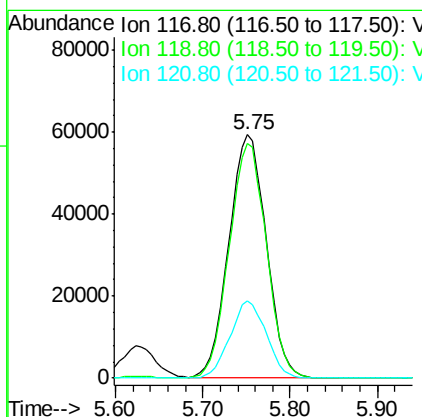
RT: 5.75 min Scan# 765

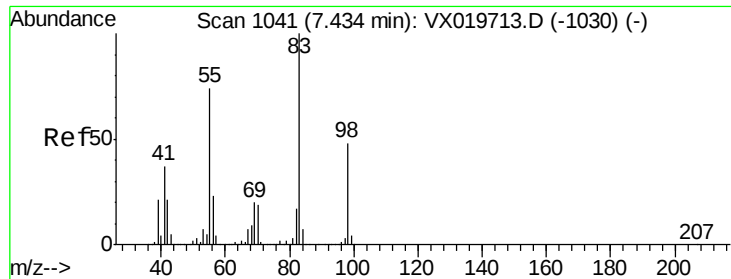
Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Tgt Ion:	117	Resp:	176619
Ion Ratio	Lower	Upper	
117	100		
119	96.5	76.2	114.2
121	31.5	24.8	37.2





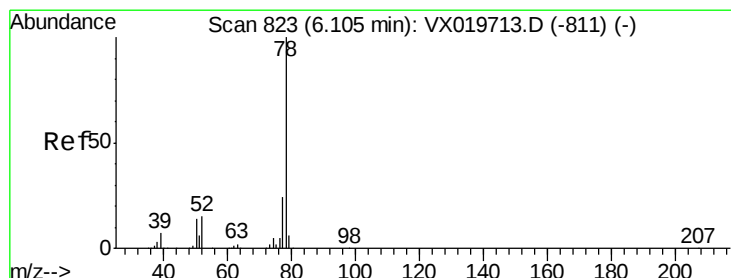
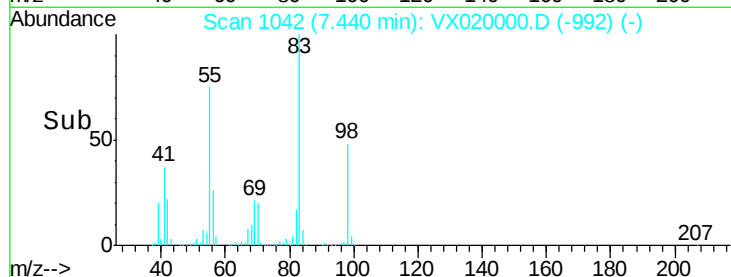
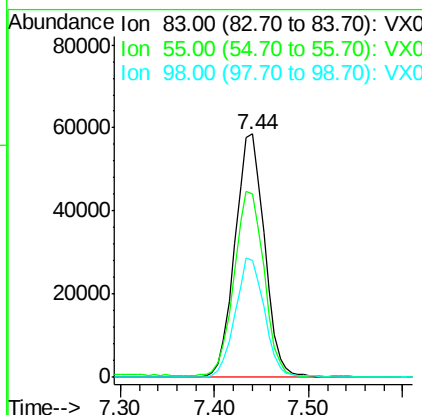
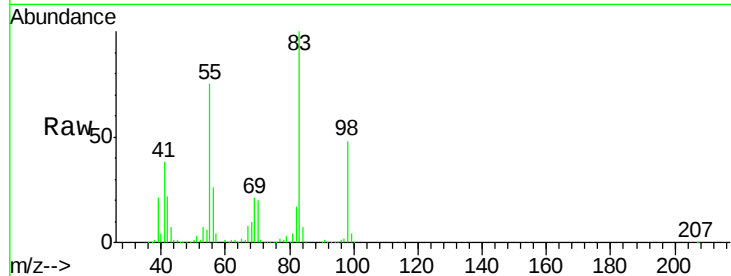
#39
Methvlcvclohexane
Concen: 29.892 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	128199		
55	74.7		58.9	88.3
98	47.9		38.1	57.1

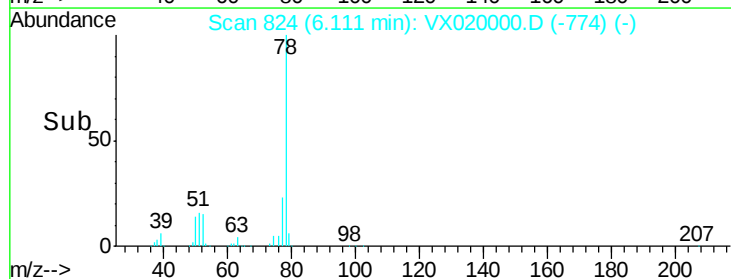
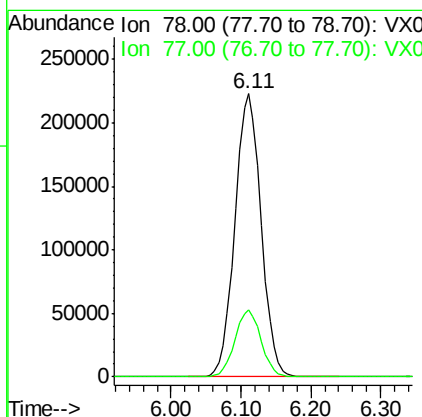
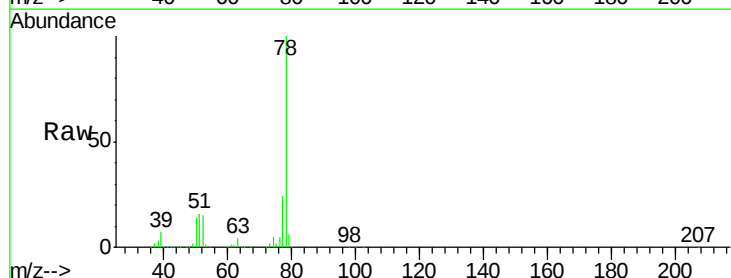
Manual Integrations
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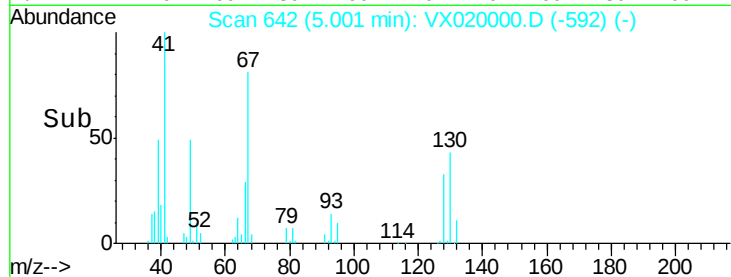
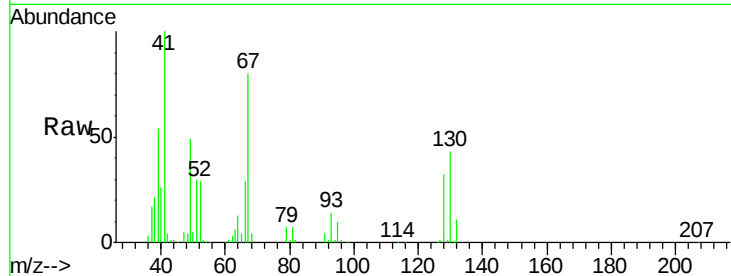
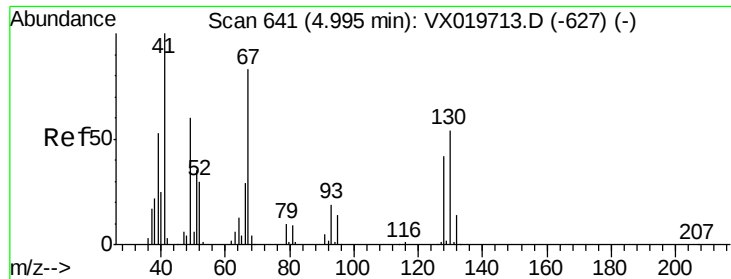
MMDadoda
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#40
Benzene
Concen: 51.843 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	578092		
77	23.7		18.9	28.3





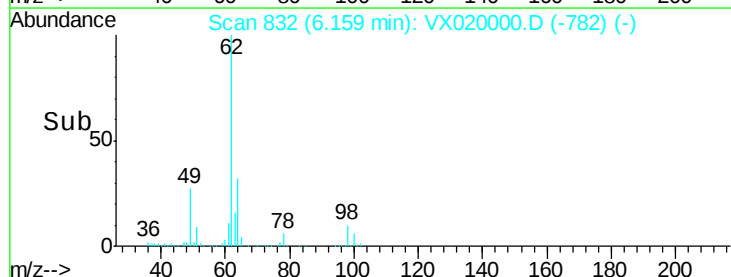
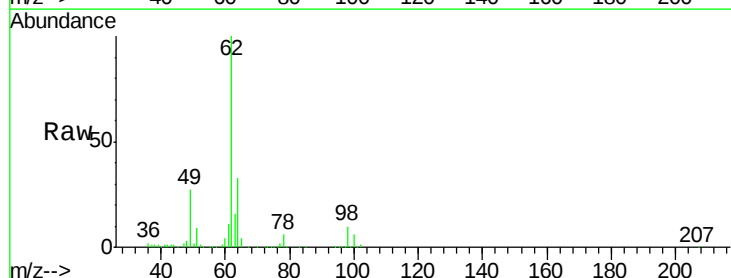
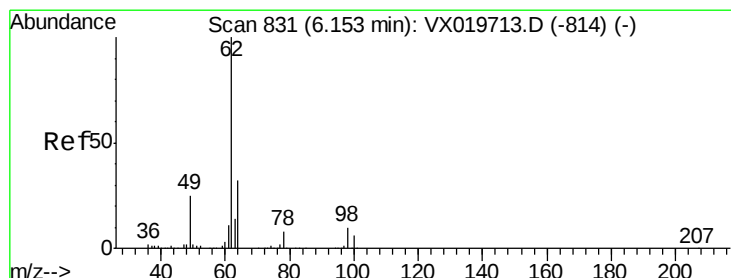
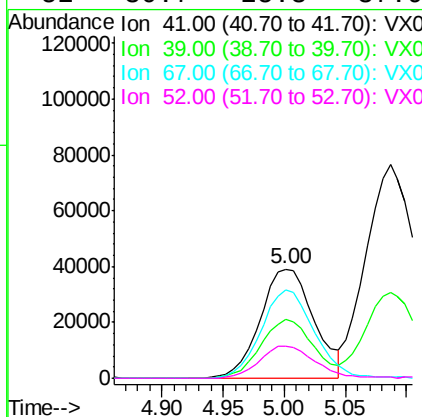
#41
Methacrylonitrile
Concen: 58.899 ug/l
RT: 5.00 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		119188		
39	52.7	42.5	63.7		
67	80.4	65.0	97.6		
52	30.7	25.3	37.9		

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

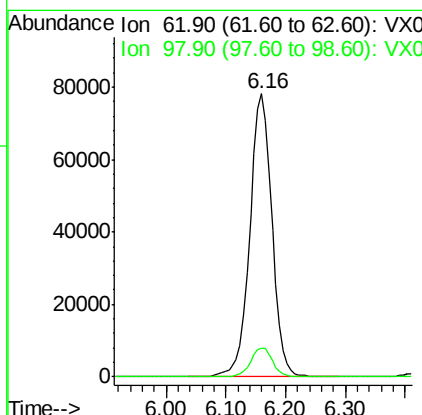
Manual Integrations
APPROVED

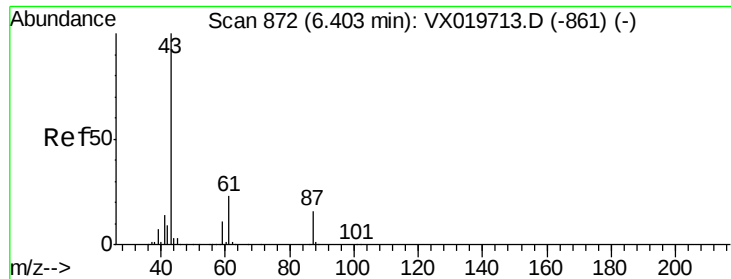
MMDadoda
12/15/2020 5:34:16 PM



#42
1,2-Dichloroethane
Concen: 52.923 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		201632		
98	10.1	0.0	20.2		





#43

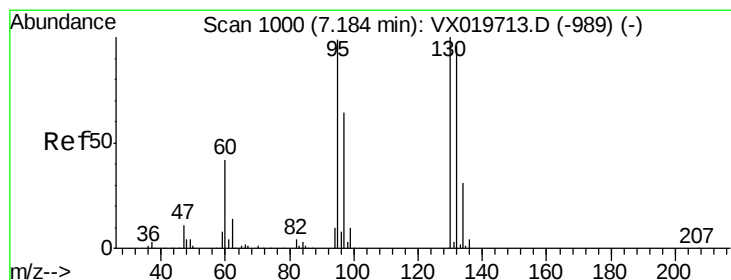
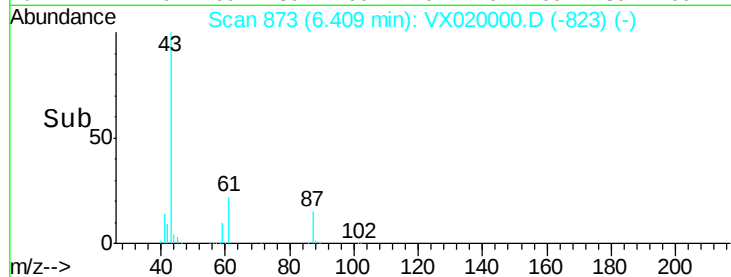
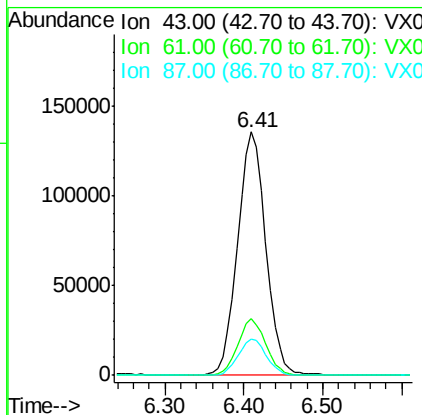
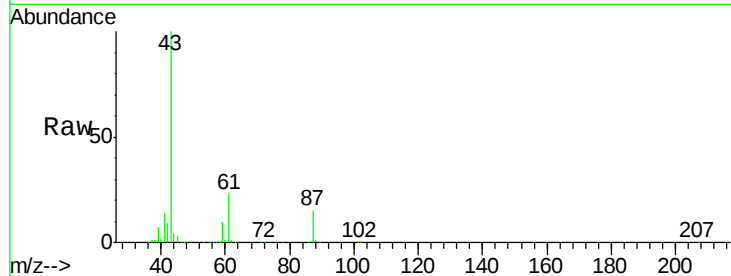
Isopropyl Acetate
 Concen: 55.883 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.1	18.2	27.4
87	15.0	12.5	18.7

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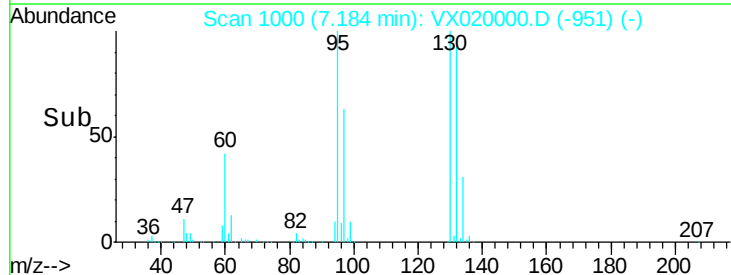
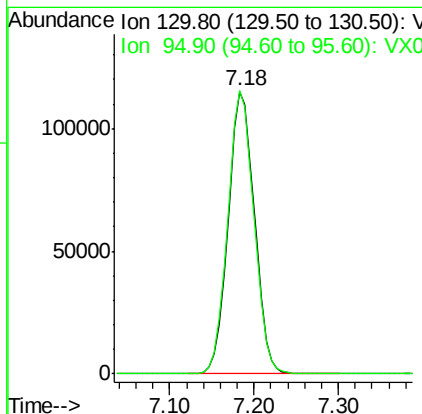
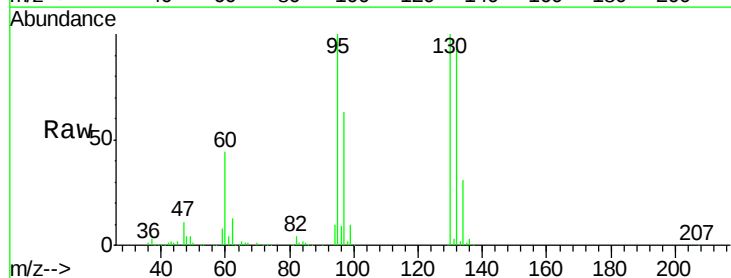
MMDadoda
 12/15/2020 5:34:16 PM

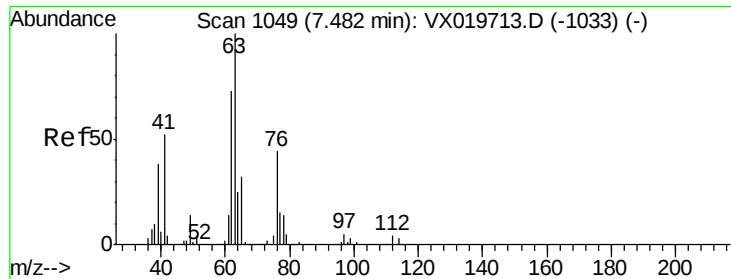


#44

Trichloroethene
 Concen: 83.238 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	198.0





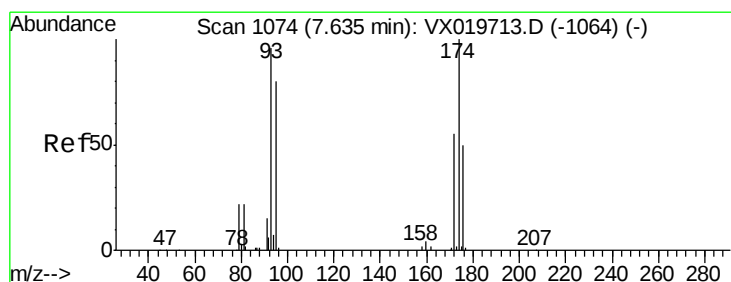
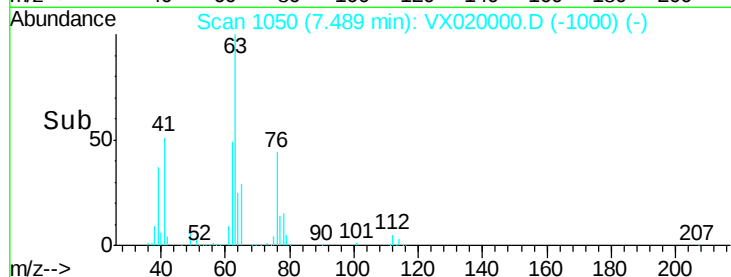
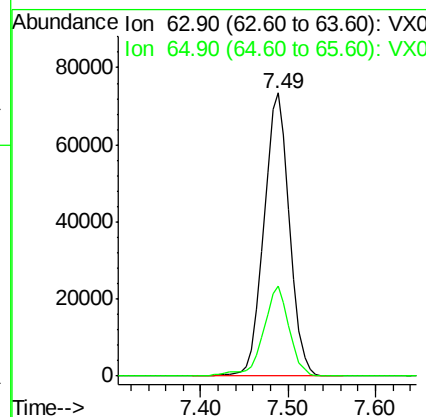
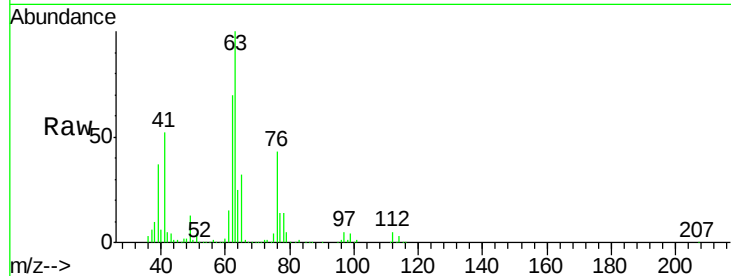
#45
 1,2-Dichloropropane
 Concen: 53.653 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Tot Ion: 63 Resp: 149527
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.7 38.5

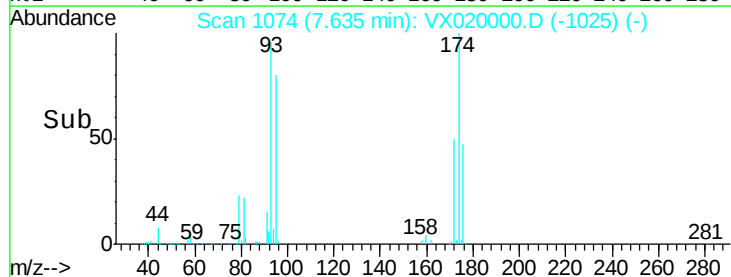
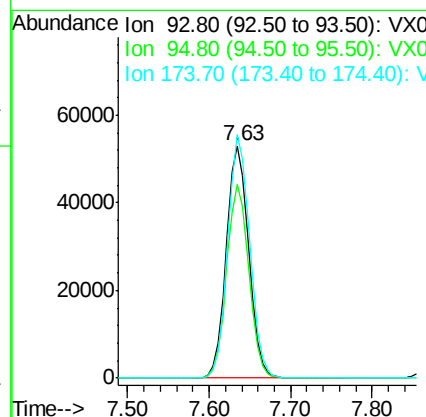
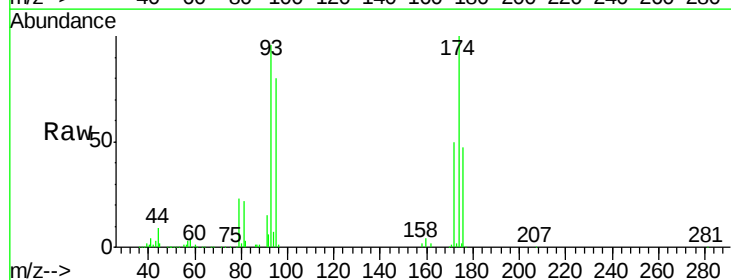
Manual Integrations
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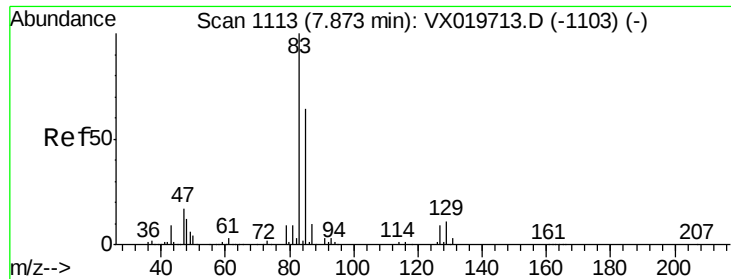
MMDadoda
 12/15/2020 5:34:16 PM



#46
 Dibromomethane
 Concen: 53.401 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Tgt Ion: 93 Resp: 100503
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.8 100.2
 174 102.9 83.1 124.7





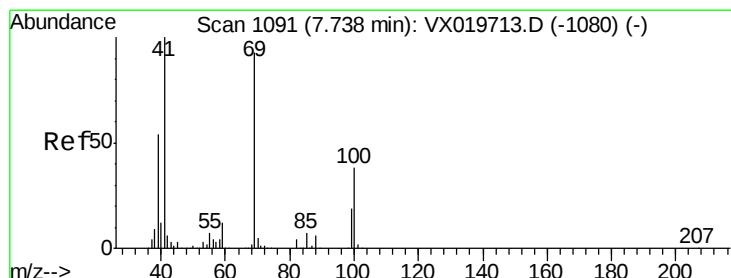
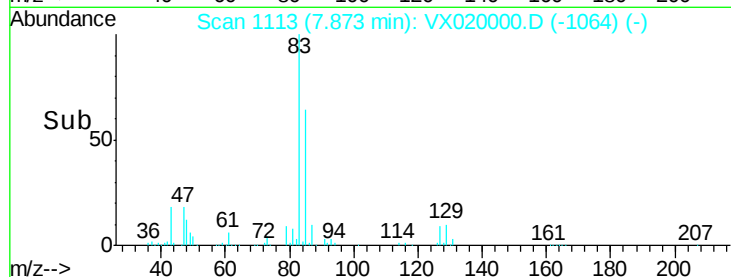
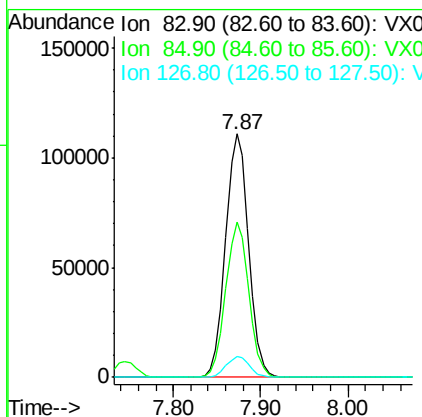
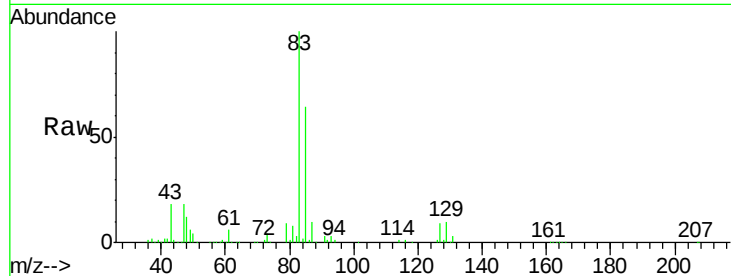
#47
Bromodichloromethane
Concen: 54.165 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	202284		
85	64.0		51.4	77.0
127	8.5		6.8	10.2

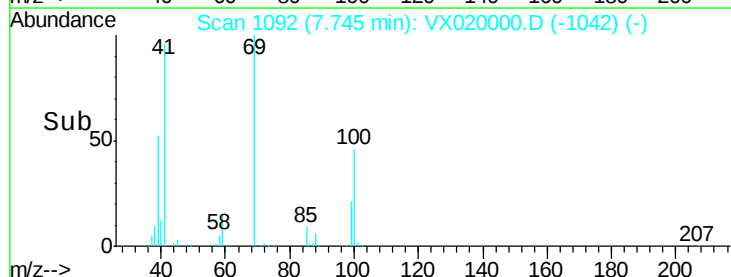
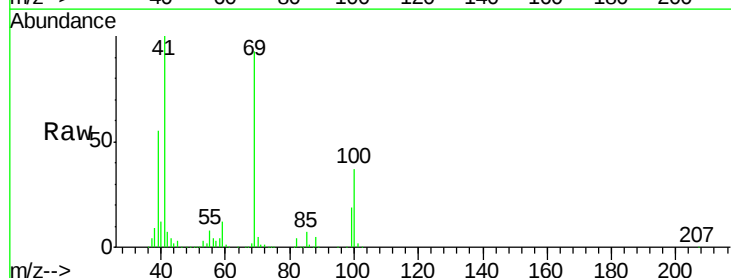
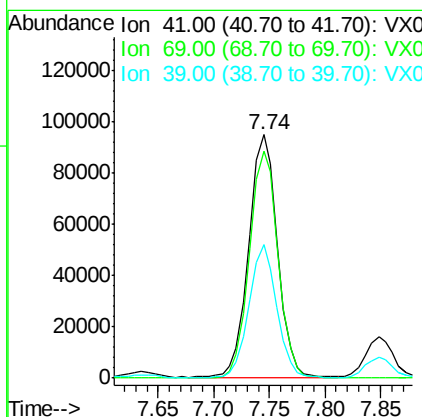
Manual Integrations
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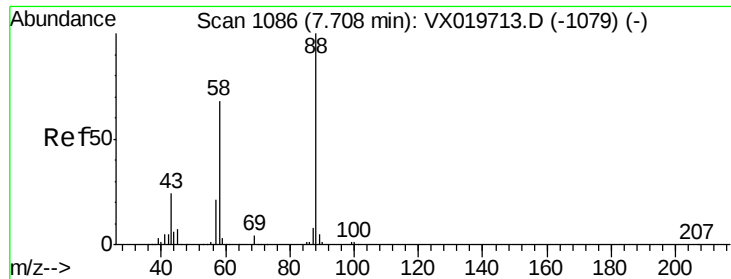
MMDadoda
12/15/2020 5:34:16 PM



#48
Methyl methacrylate
Concen: 57.701 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	170045		
69	93.6		76.0	114.0
39	53.1		44.6	67.0





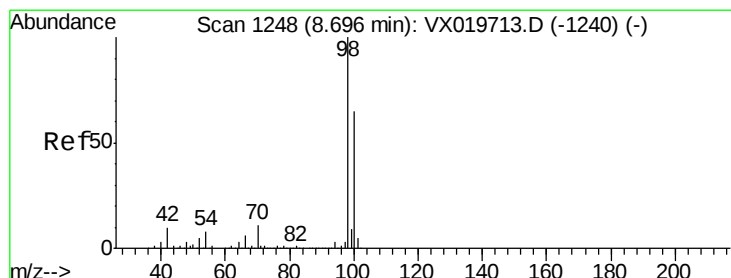
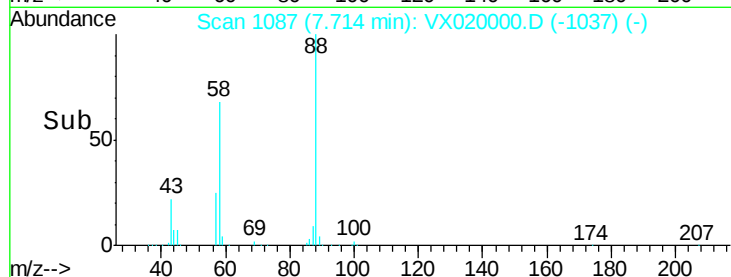
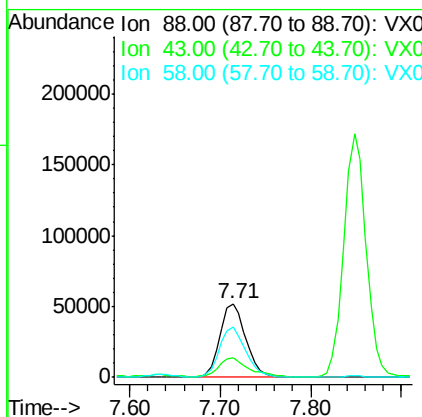
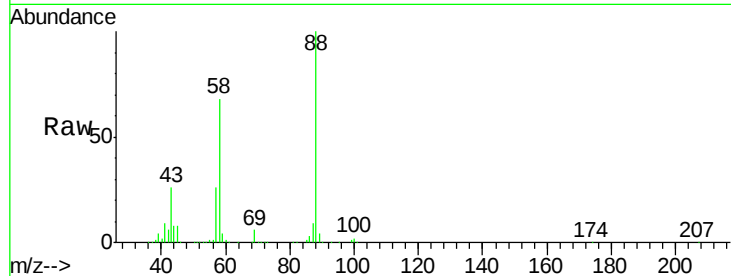
#49
1,4-Dioxane
Concen: 1447.451 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.5	23.2	34.8
58	70.2	55.0	82.4

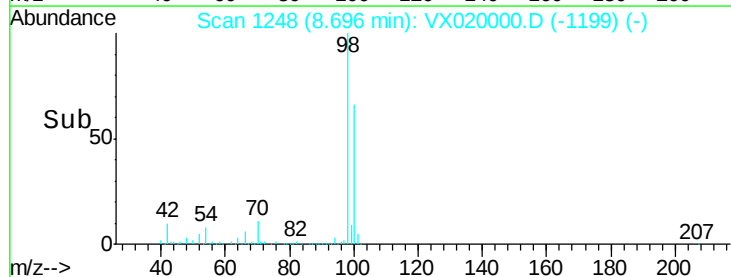
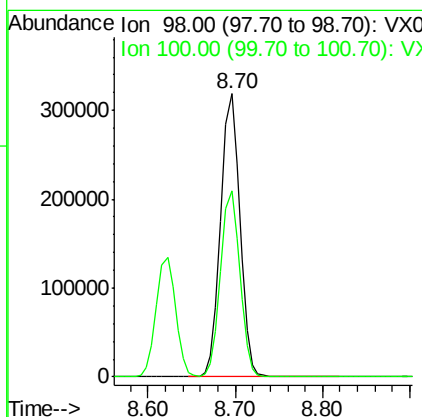
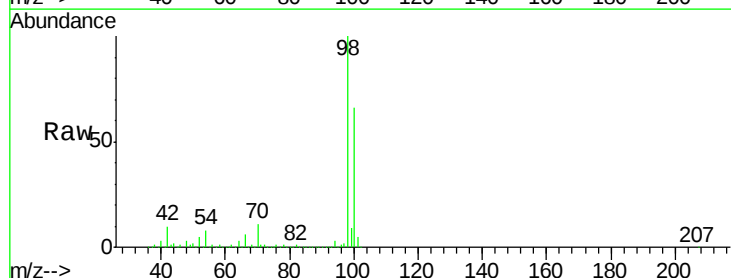
Manual Integrations
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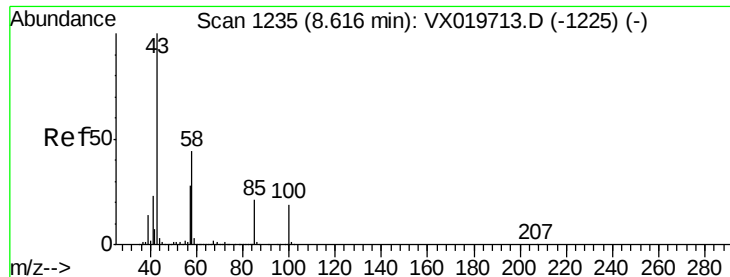
MMDadoda
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#50
Toluene-d8
Concen: 48.812 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 315.682 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MS

Tot Ion: 43 Resp: 1154895

Ion Ratio Lower Upper

43 100

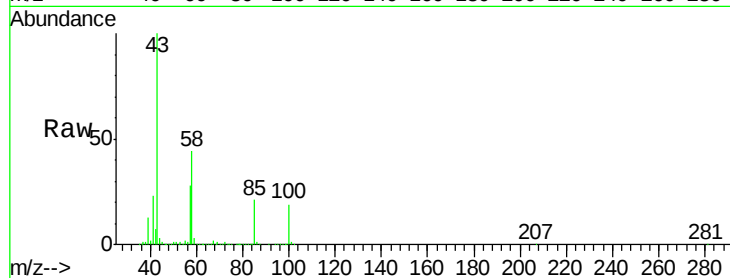
58 44.1 35.4 53.0

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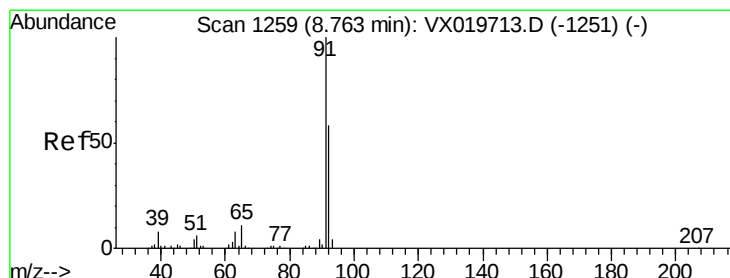
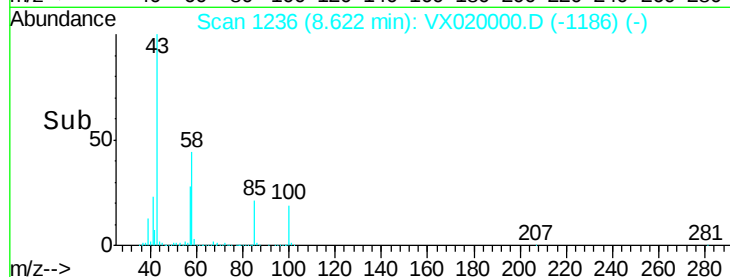
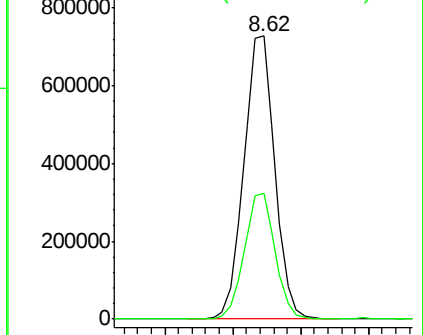
MMDadoda

12/15/2020 5:34:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.518 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX020000.D

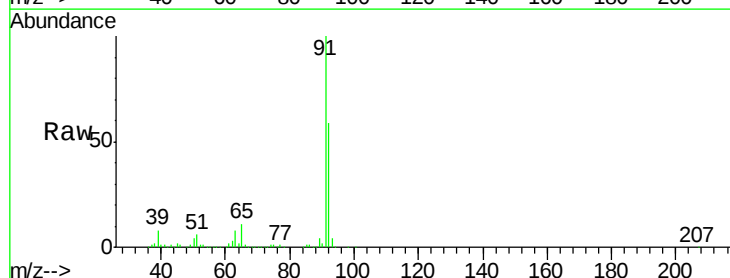
Acq: 14 Dec 2020 20:31

Tgt Ion: 92 Resp: 359297

Ion Ratio Lower Upper

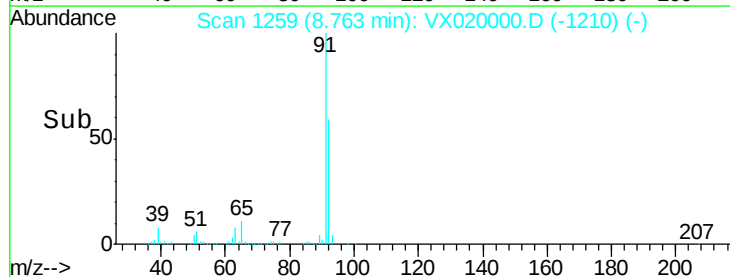
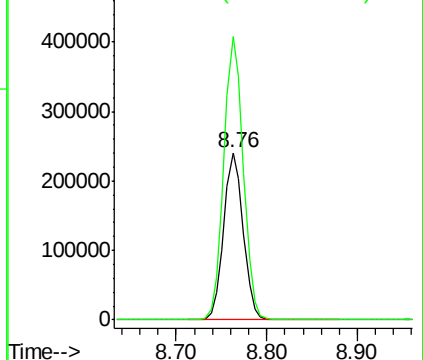
92 100

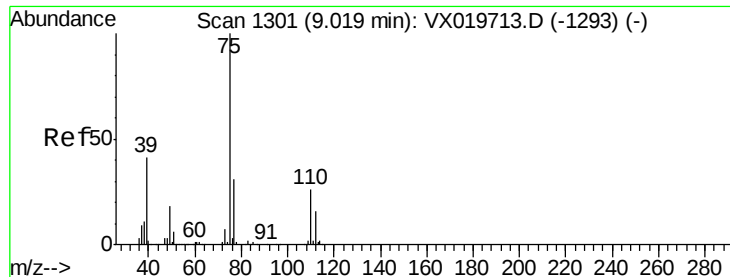
91 170.0 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





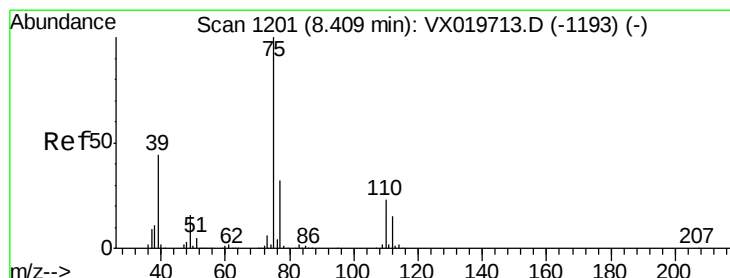
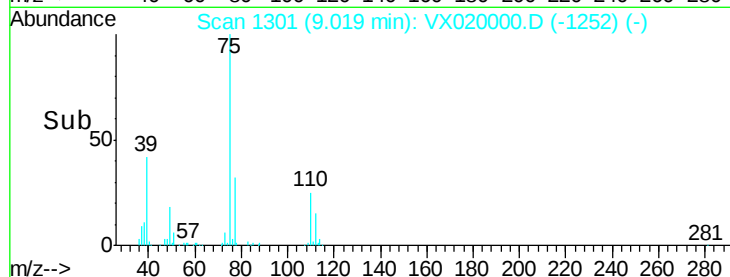
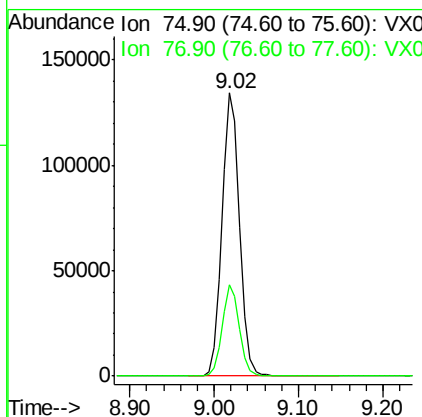
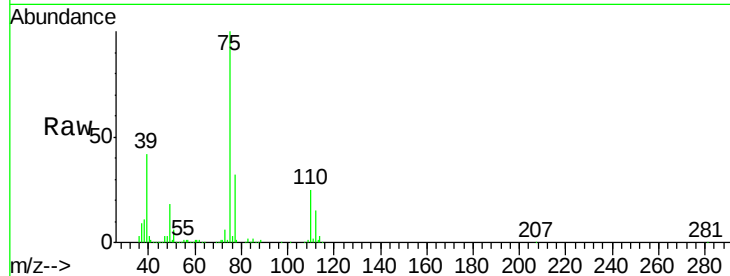
#53
t-1,3-Dichloropropene
Concen: 46.694 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.9	37.3

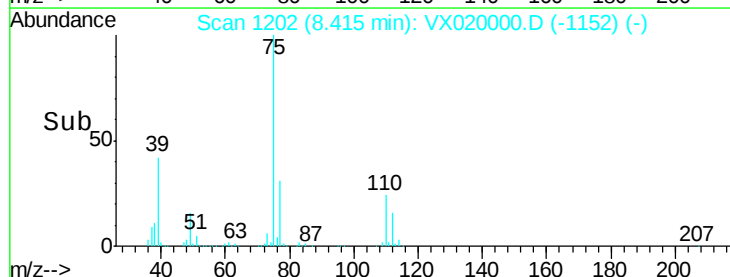
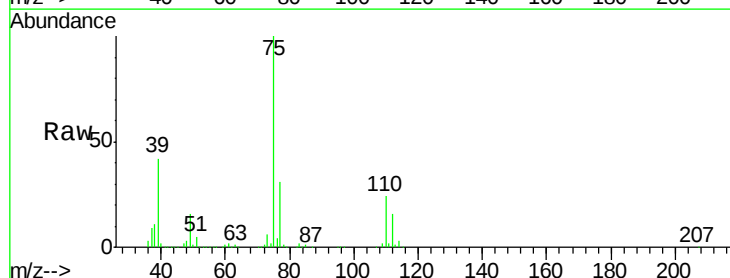
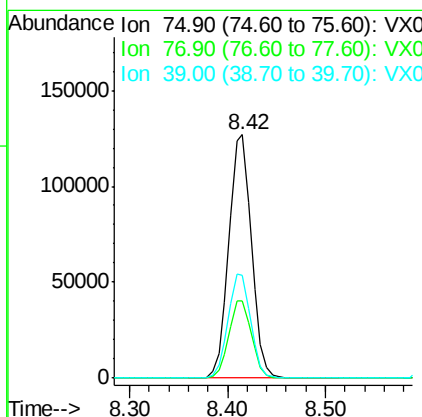
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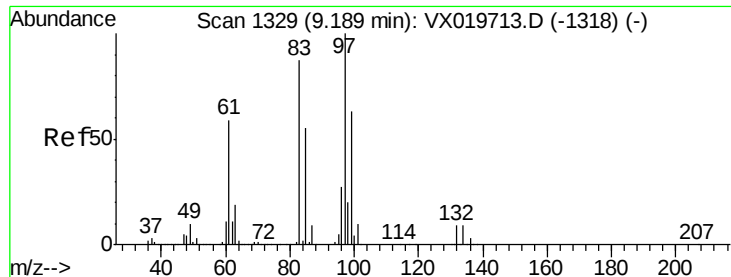
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#54
cis-1,3-Dichloropropene
Concen: 45.299 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.01 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.7	38.5
39	42.0	35.1	52.7





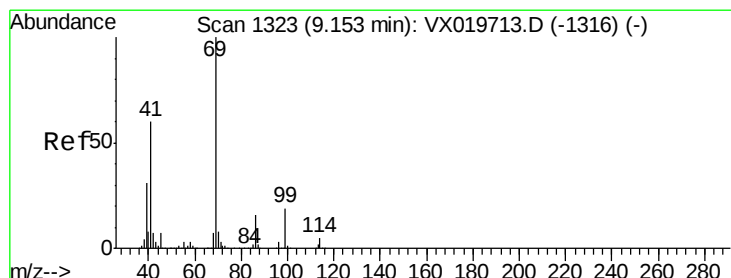
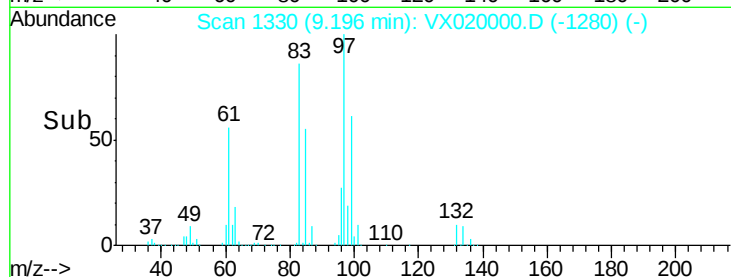
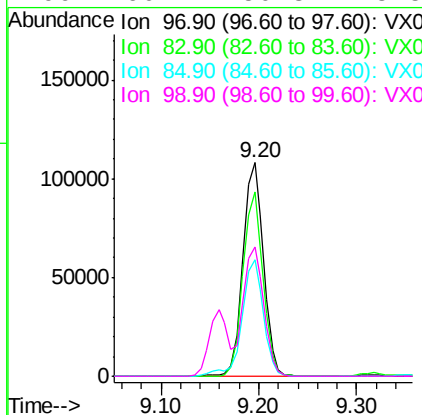
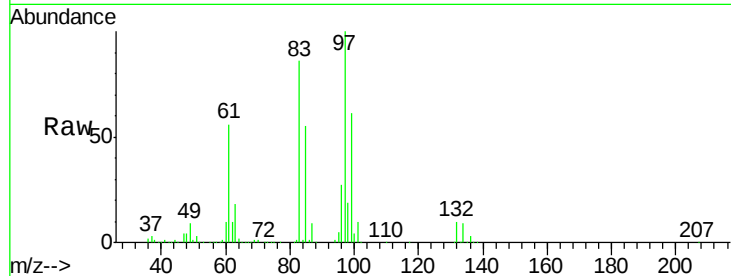
#55
 1,1,2-Trichloroethane
 Concen: 55.970 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Tot Ion:	97	Resp:	157305
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.3	103.9
85	54.8	44.3	66.5
99	60.7	50.3	75.5

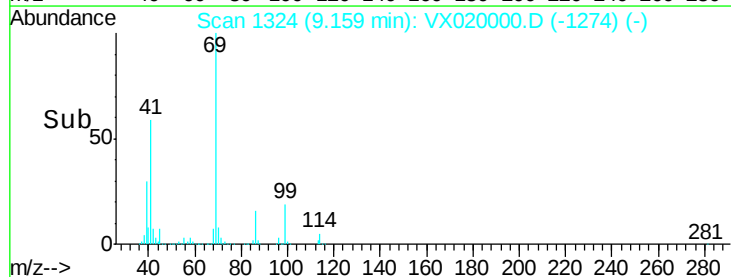
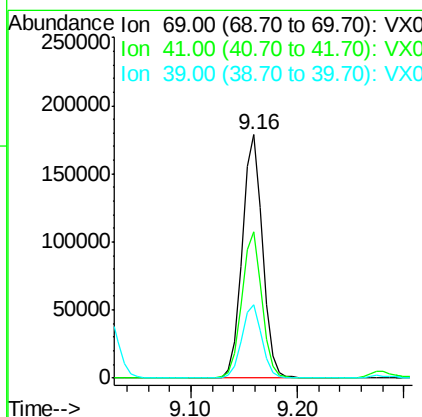
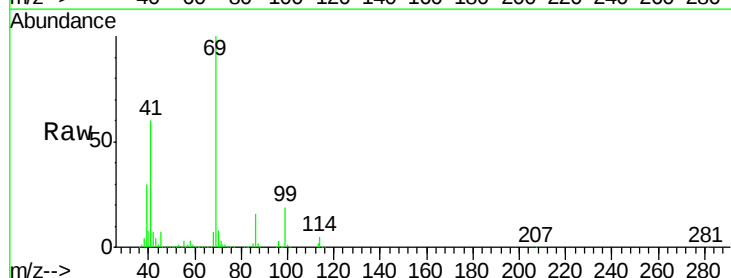
Manual Integrations
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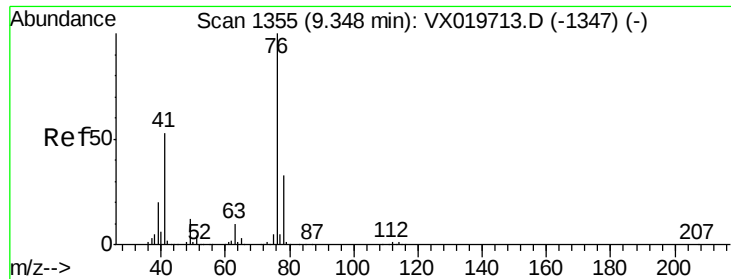
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#56
 Ethyl methacrylate
 Concen: 56.031 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Tgt Ion:	69	Resp:	238254
Ion	Ratio	Lower	Upper
69	100		
41	59.3	46.8	70.2
39	30.4	24.7	37.1





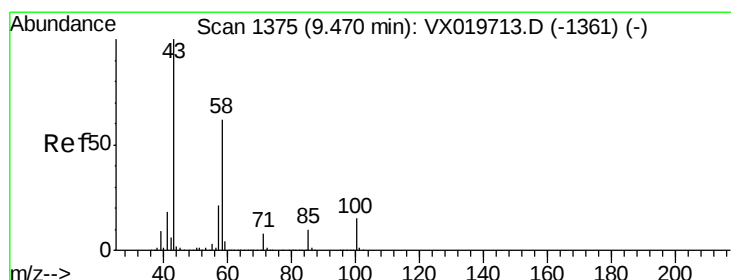
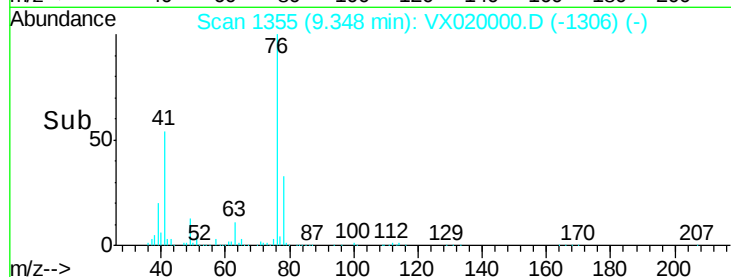
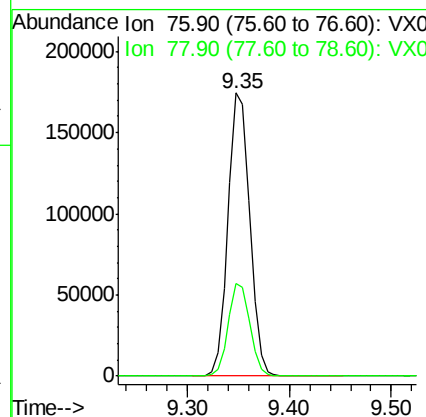
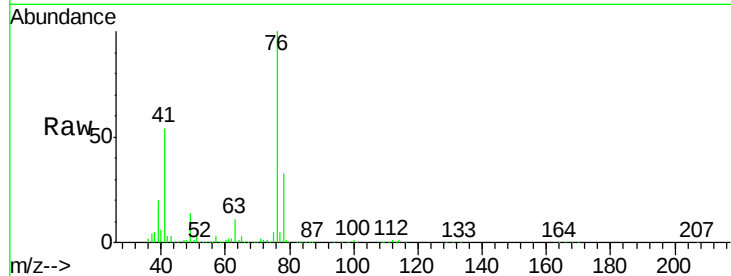
#57
 1,3-Dichloropropane
 Concen: 53.738 ug/l
 RT: 9.35 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.2

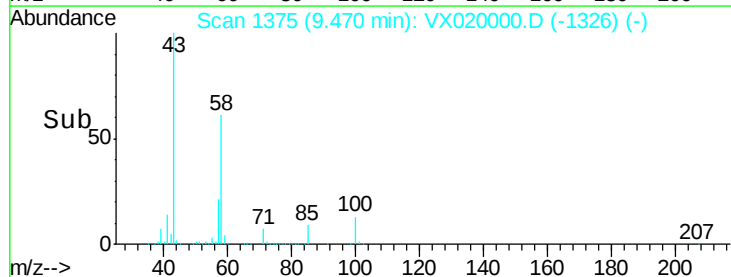
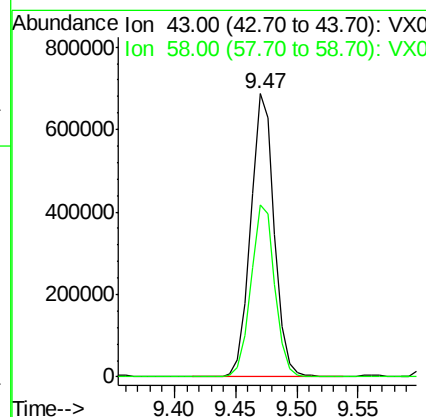
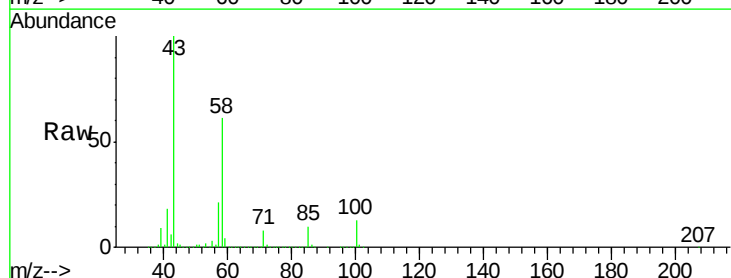
Manual Integrations
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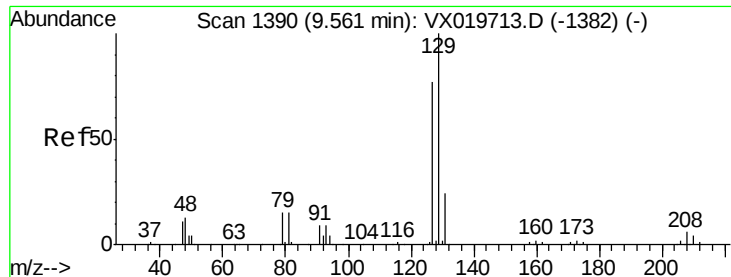
MMDadoda
 12/15/2020 5:34:16 PM



#59
 2-Hexanone
 Concen: 323.264 ug/l
 RT: 9.47 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	61.6	30.9	92.8





#60

Dibromochloromethane

Concen: 55.265 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MS

Tot Ion:129 Resp: 157806

Ion Ratio Lower Upper

129 100

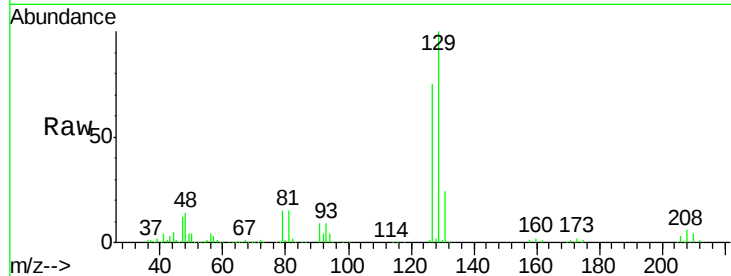
127 75.9 38.4 115.2

Manual Integrations

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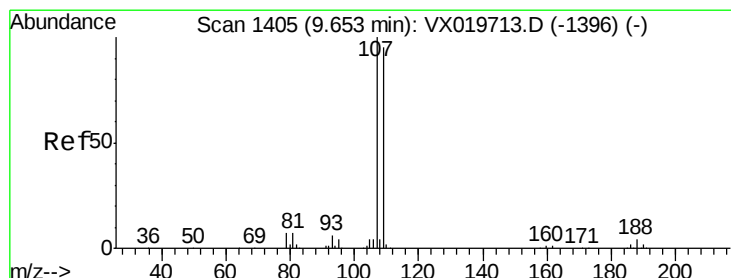
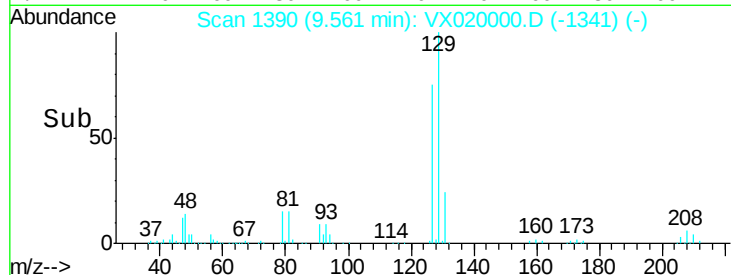
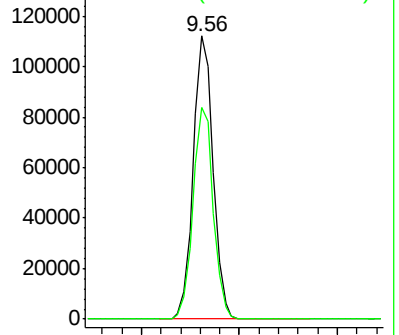
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 53.785 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX020000.D

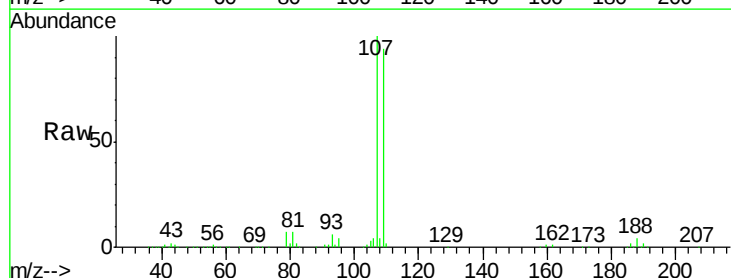
Acq: 14 Dec 2020 20:31

Tgt Ion:107 Resp: 160515

Ion Ratio Lower Upper

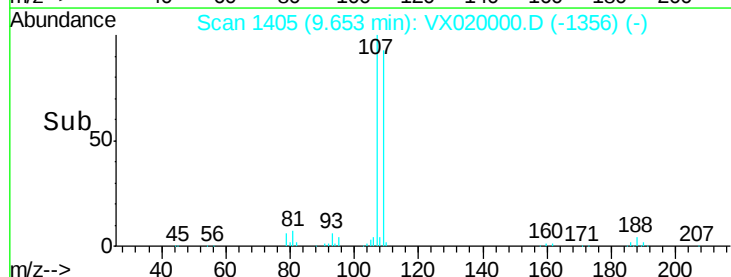
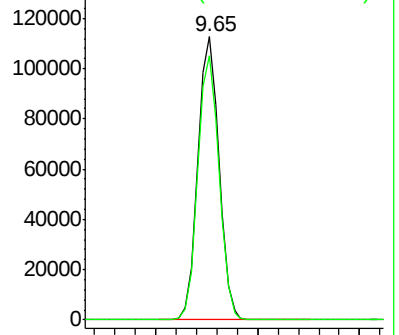
107 100

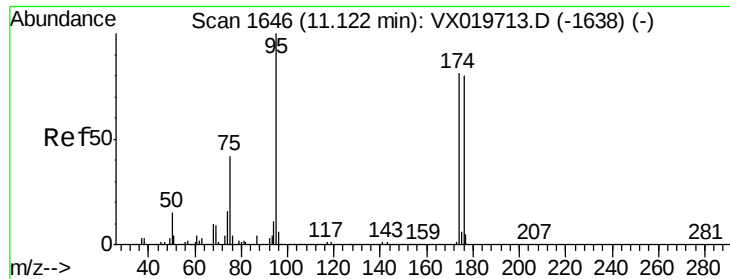
109 94.3 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 48.787 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MS

Tot Ion: 95 Resp: 185082

Ion Ratio Lower Upper

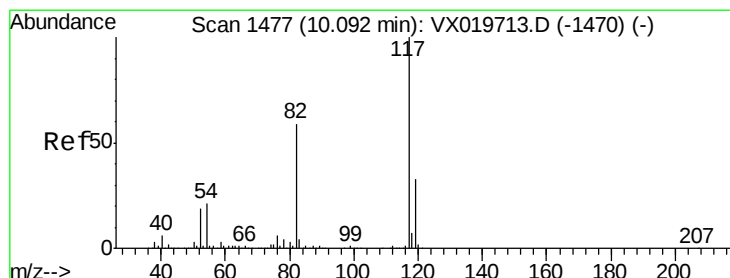
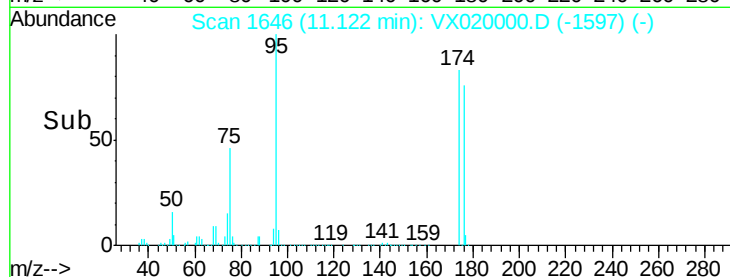
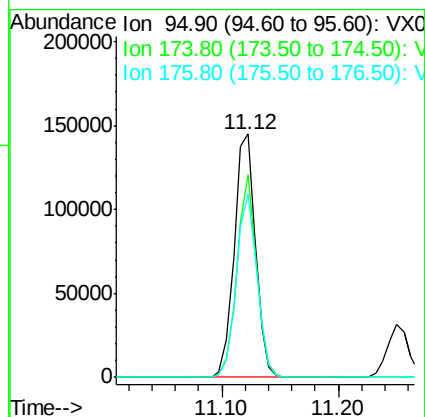
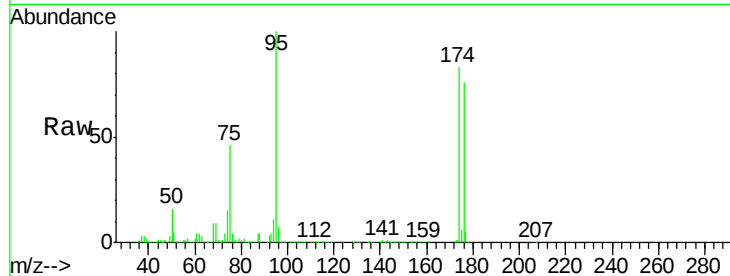
95 100

174 77.0 0.0 154.6

176 73.2 0.0 155.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

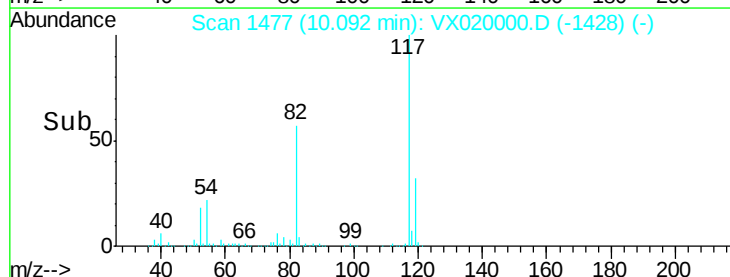
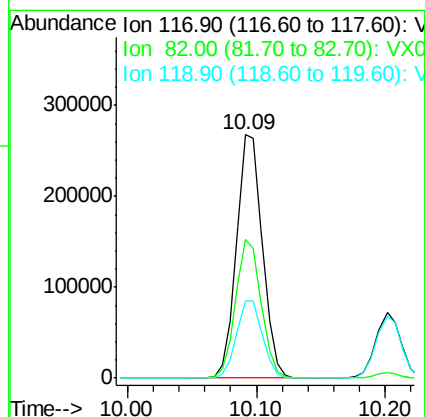
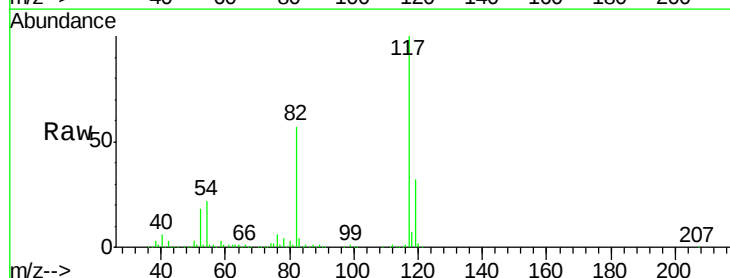
Tgt Ion: 117 Resp: 375937

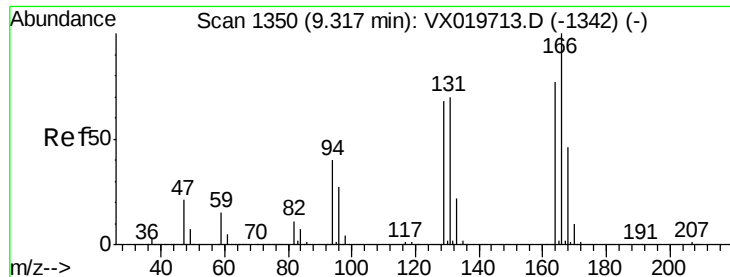
Ion Ratio Lower Upper

117 100

82 57.0 47.4 71.2

119 31.8 26.6 39.8





#64

Tetrachloroethene

Concen: 41.092 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MS

Tot Ion:164 Resp: 103596

Ion Ratio Lower Upper

164 100

166 121.2 103.4 155.2

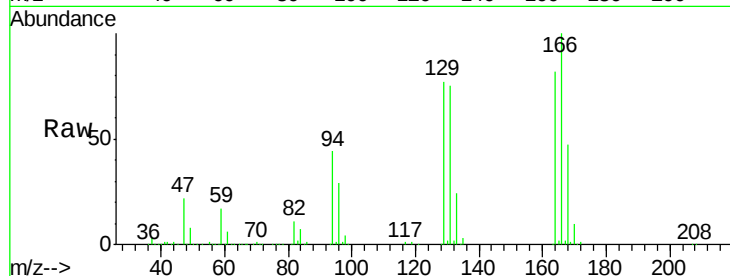
129 92.9 70.8 106.2

131 91.3 72.5 108.7

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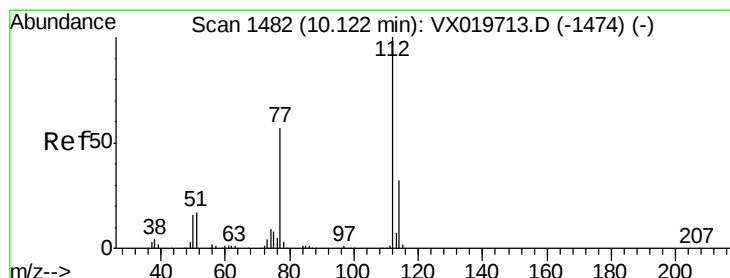
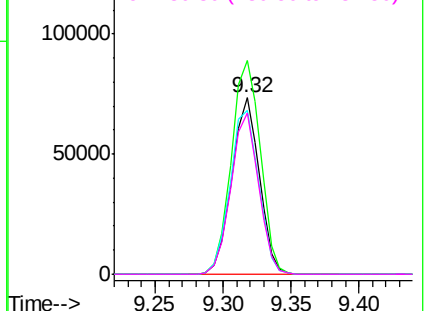
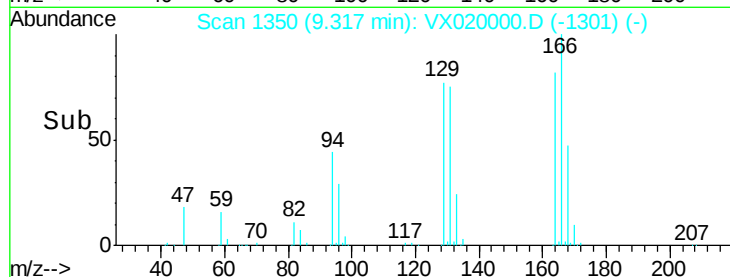


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.023 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX020000.D

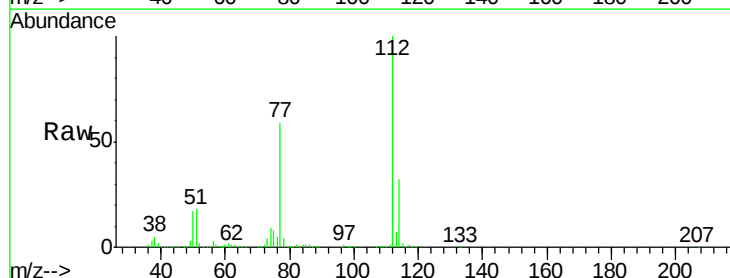
Acq: 14 Dec 2020 20:31

Tgt Ion:112 Resp: 374655

Ion Ratio Lower Upper

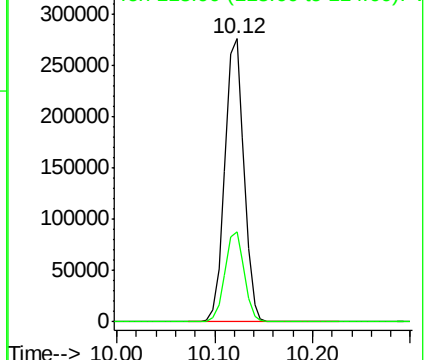
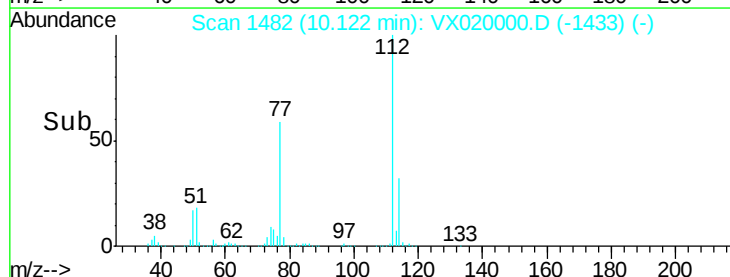
112 100

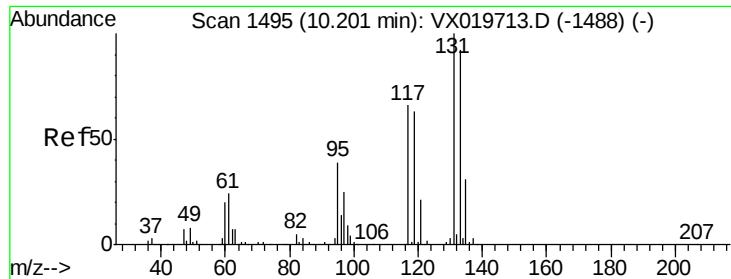
114 32.0 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





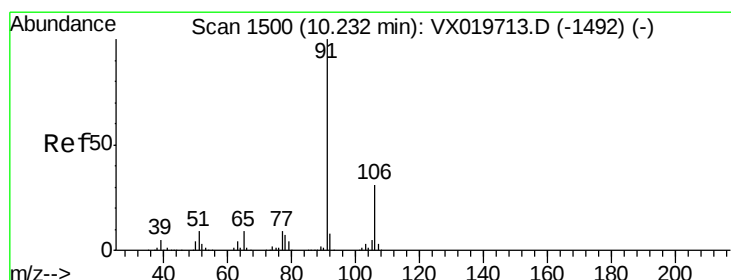
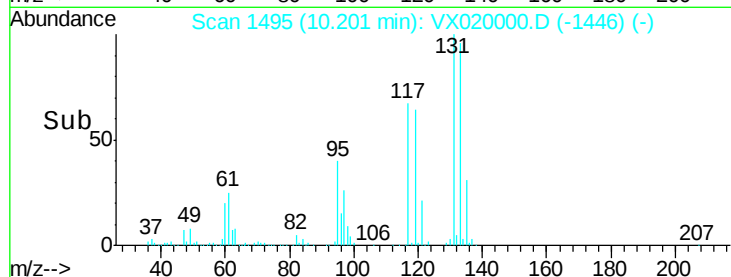
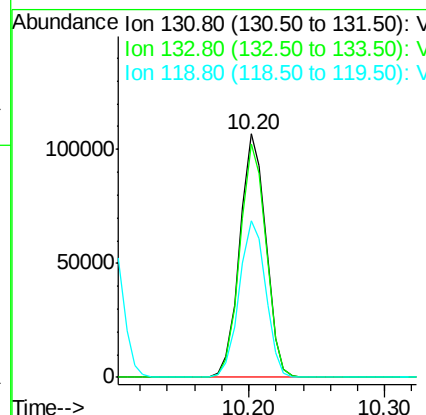
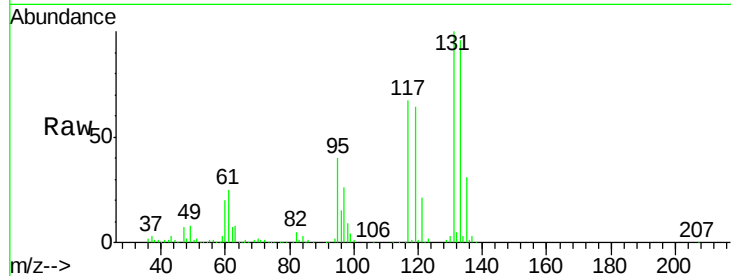
#66
 1,1,1,2-Tetrachloroethane
 Concen: 53.039 ug/l
 RT: 10.20 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Tot Ion	Ratio	Resp	Lower	Upper
131	100	142979		
133	95.5	47.7	143.1	
119	65.2	32.1	96.5	

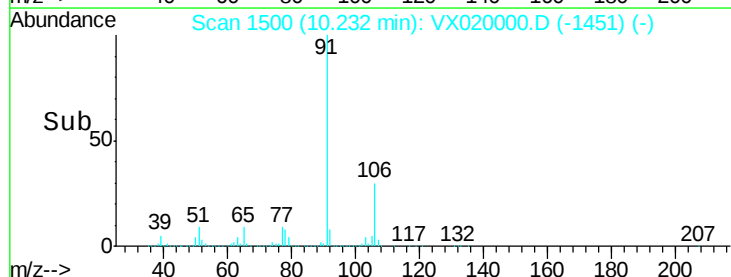
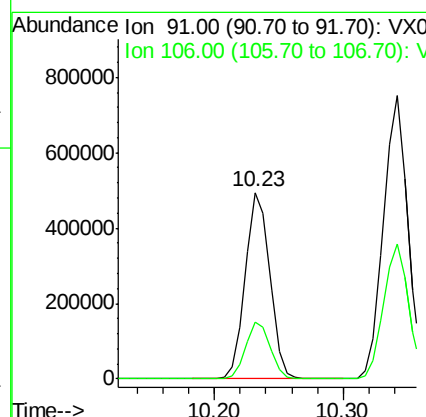
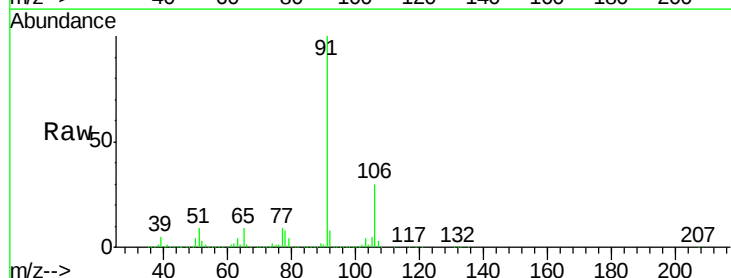
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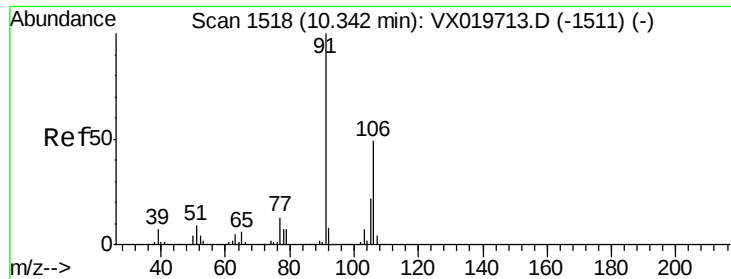
MMDadoda
 12/15/2020 5:34:16 PM



#67
 Ethyl Benzene
 Concen: 48.807 ug/l
 RT: 10.23 min Scan# 1500
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	648865		
106	30.3	24.6	37.0	





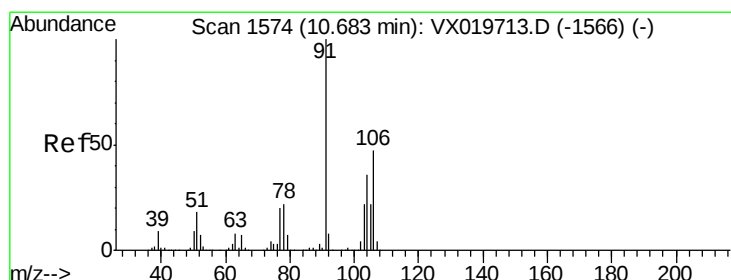
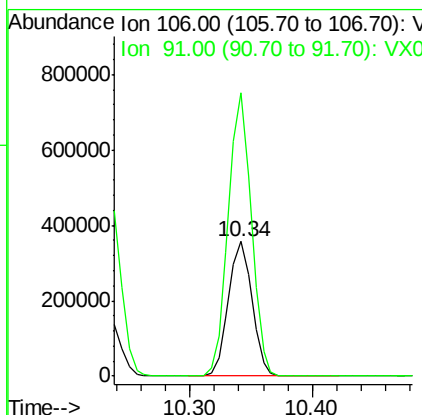
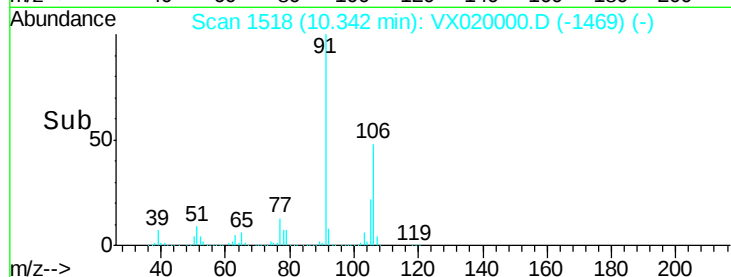
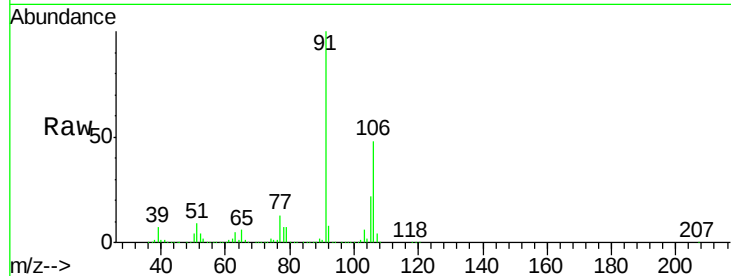
#68
m/p-Xylenes
Concen: 94.939 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion:106 Resp: 475606
Ion Ratio Lower Upper
106 100
91 206.3 162.8 244.2

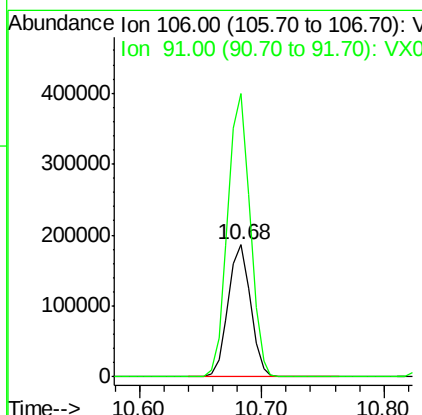
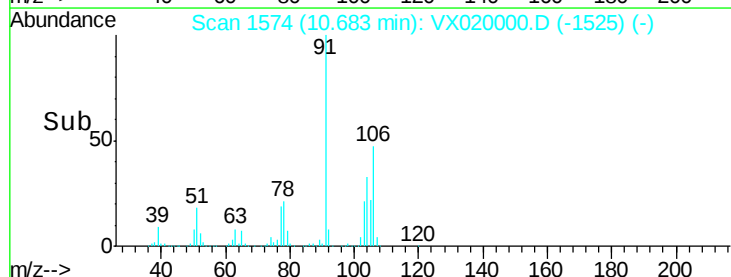
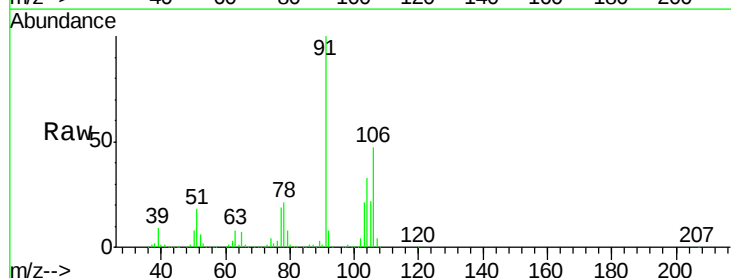
Manual Integrations
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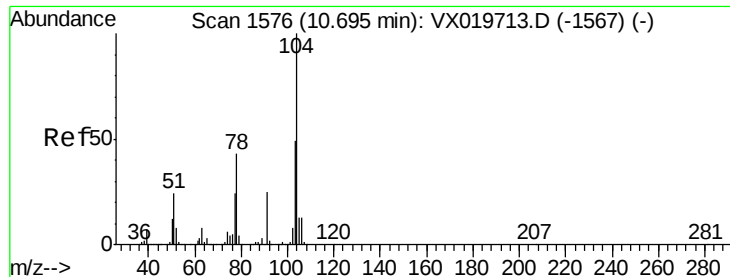
MMDadoda
12/15/2020 5:34:16 PM



#69
o-Xylene
Concen: 48.808 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion:106 Resp: 235202
Ion Ratio Lower Upper
106 100
91 215.6 108.1 324.2





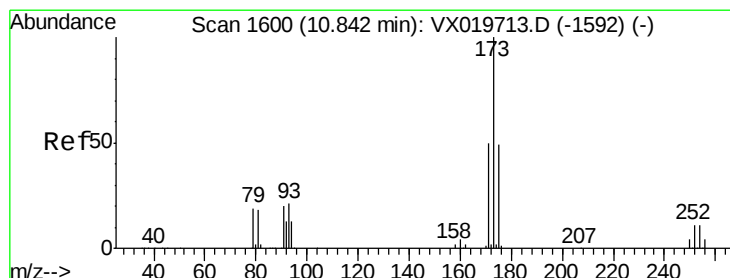
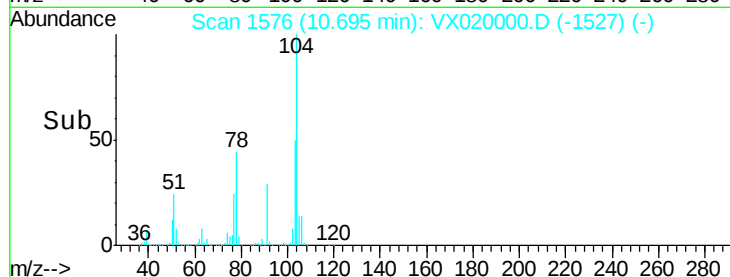
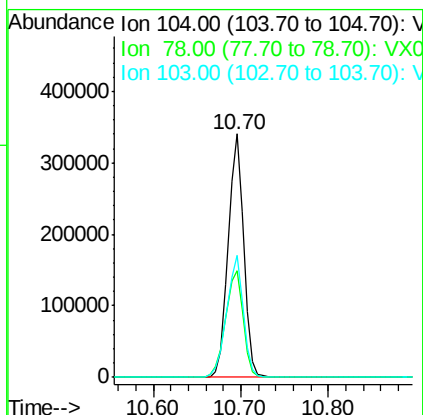
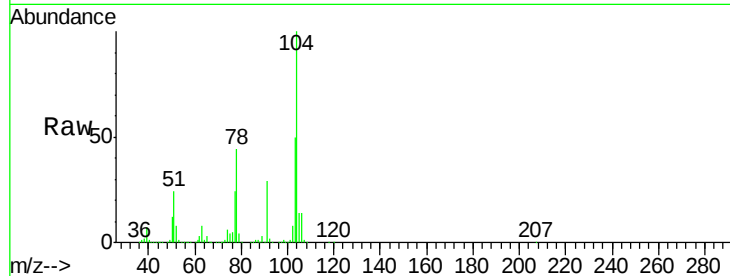
#70
Stvrene
Concen: 51.614 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	419821		
78	49.5		40.0	60.0
103	53.3		43.4	65.0

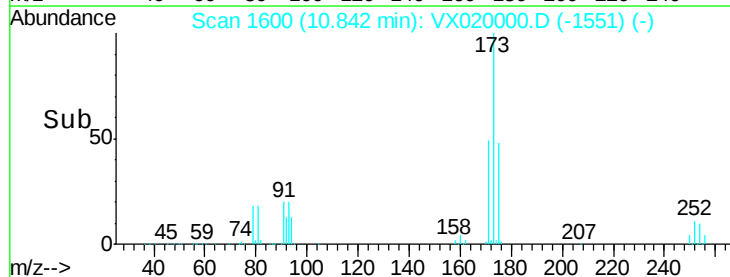
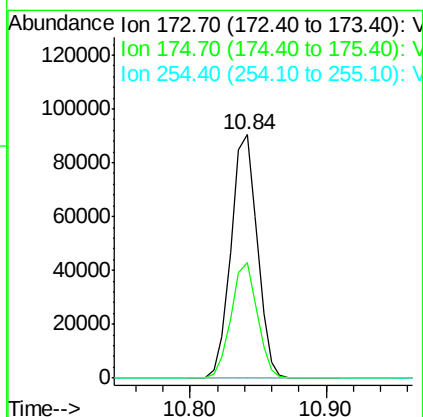
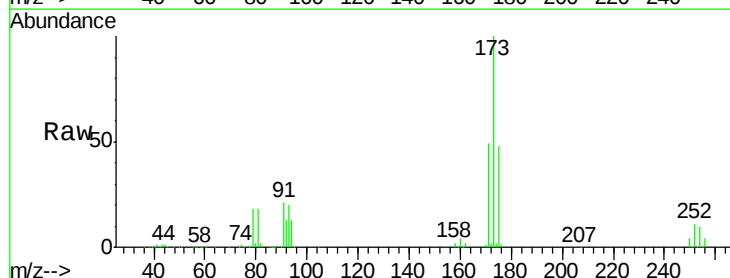
Manual Integrations
APPROVED

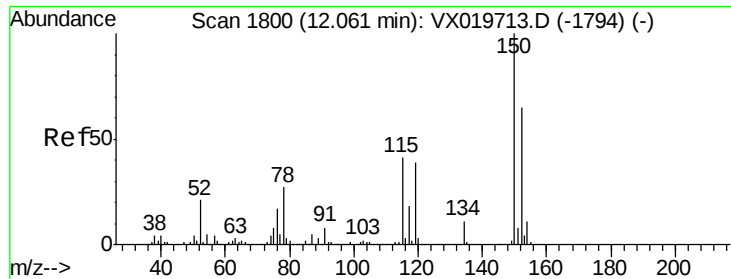
MMDadoda
12/15/2020 5:34:16 PM



#71
Bromoform
Concen: 57.259 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	121429		
175	47.5		23.9	71.8
254	0.1		0.1	0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

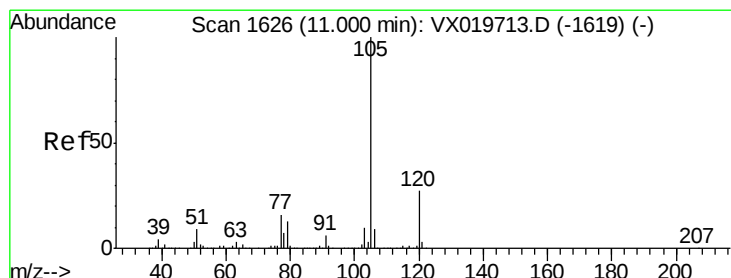
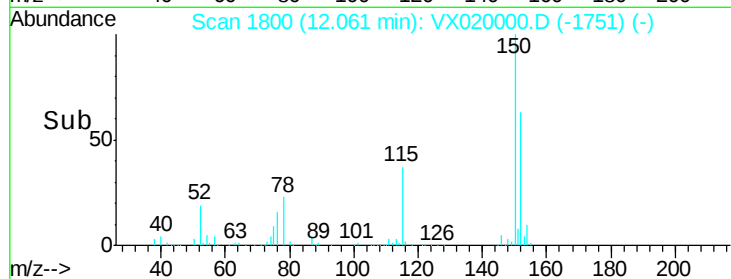
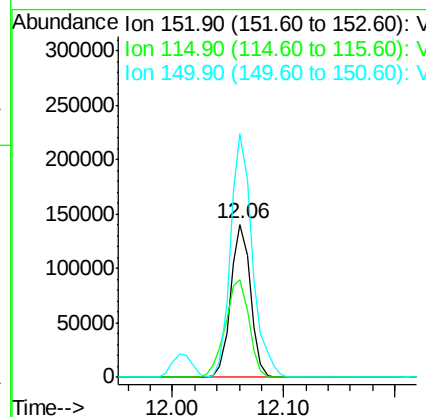
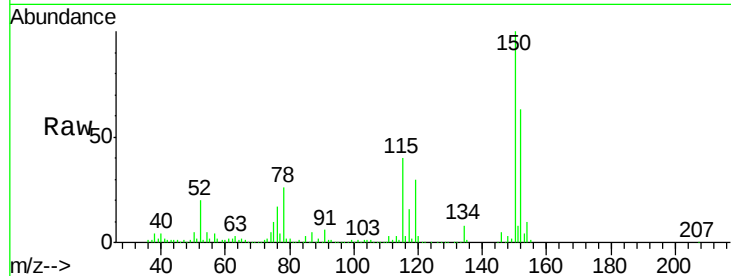
ClientSampleId :

TU032-32-5229-121020MS

Tot Ion:	152	Resp:	171832
Ion Ratio	Lower	Upper	
152	100		
115	76.6	41.1	123.3
150	175.7	0.0	349.0

Manual Integrations
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12/15/2020 5:34:16 PM



#73

Isopropylbenzene

Concen: 48.263 ug/l

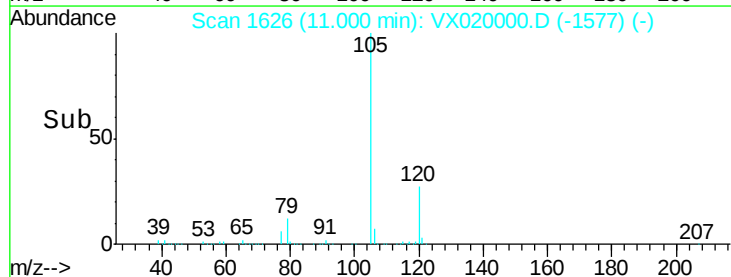
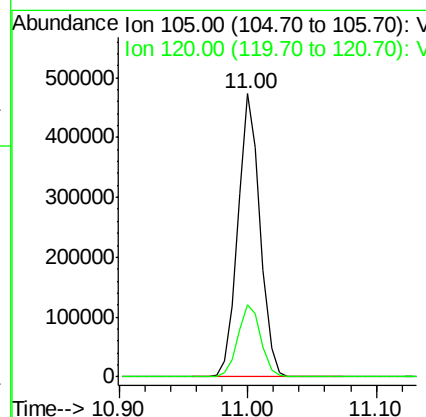
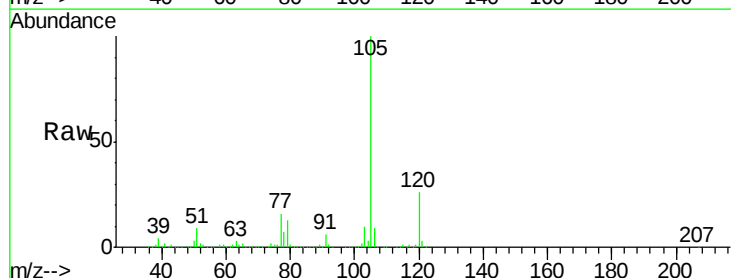
RT: 11.00 min Scan# 1626

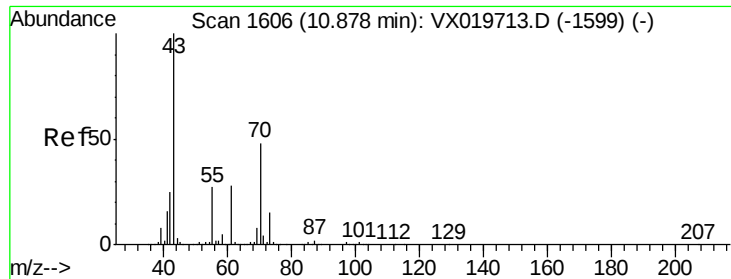
Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Tgt Ion:	105	Resp:	566585
Ion Ratio	Lower	Upper	
105	100		
120	26.4	13.2	39.6





#74

N-amvl acetate

Concen: 67.385 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

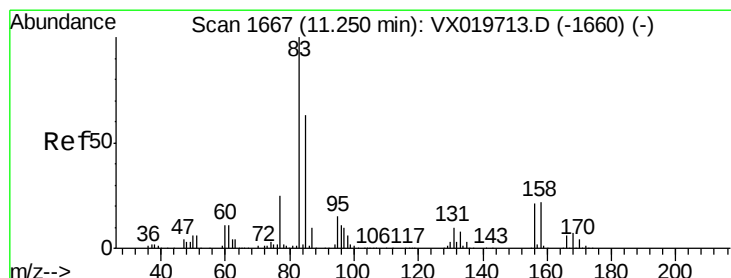
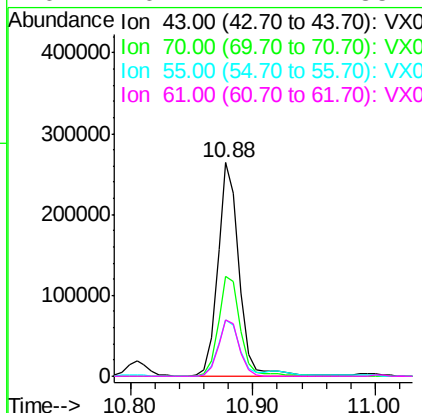
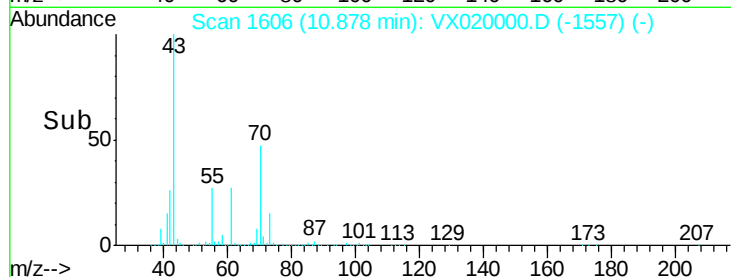
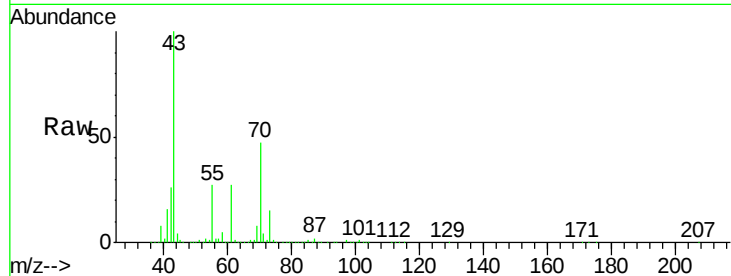
ClientSampleId :

TU032-32-5229-121020MS

Tot Ion	43	Resp	317012
Ion Ratio	Lower	Upper	
43	100		
70	49.3	39.0	58.6
55	27.2	21.5	32.3
61	26.4	22.1	33.1

Manual Integrations
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12/15/2020 5:34:16 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 64.860 ug/l

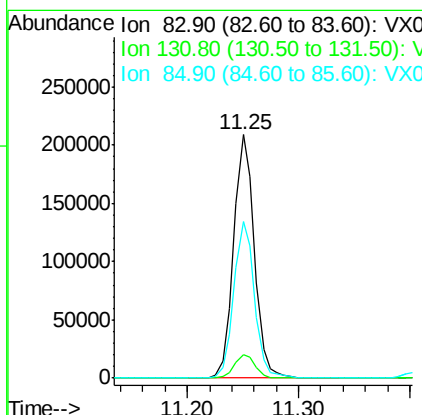
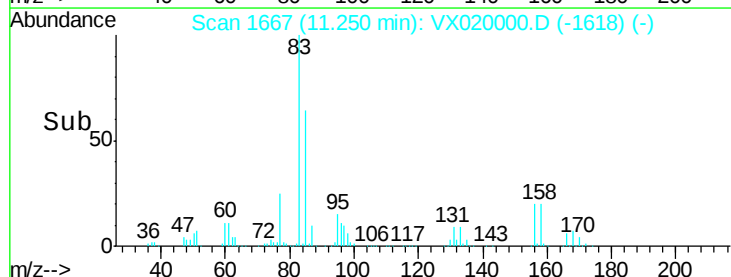
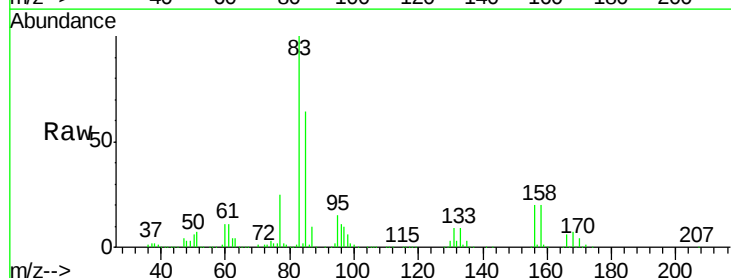
RT: 11.25 min Scan# 1667

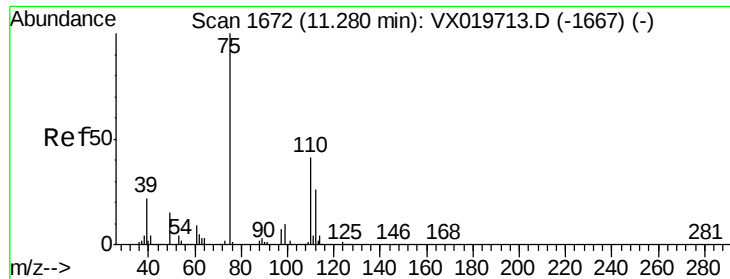
Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Tgt Ion	83	Resp	268447
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.2
85	64.4	31.8	95.4





#76

1,2,3-Trichloropropane

Concen: 60.937 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MS

Tot Ion: 75 Resp: 234846

Ion Ratio Lower Upper

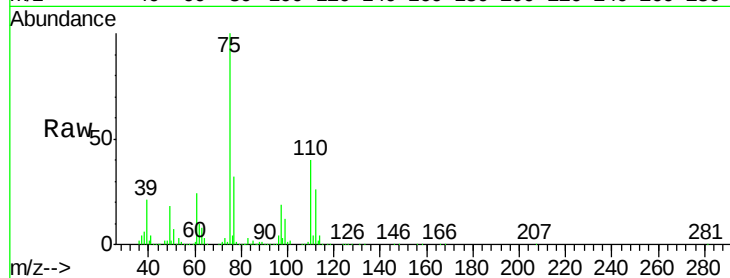
75 100

77 36.9 19.1 57.5

Manual Integrations
APPROVED

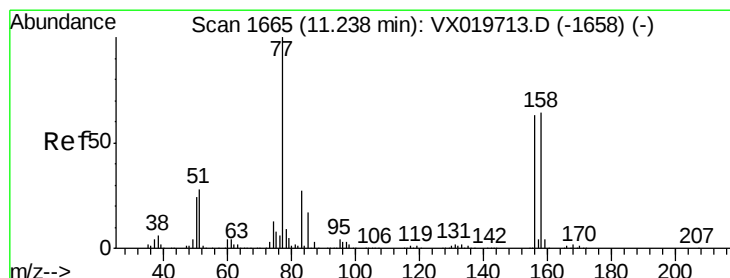
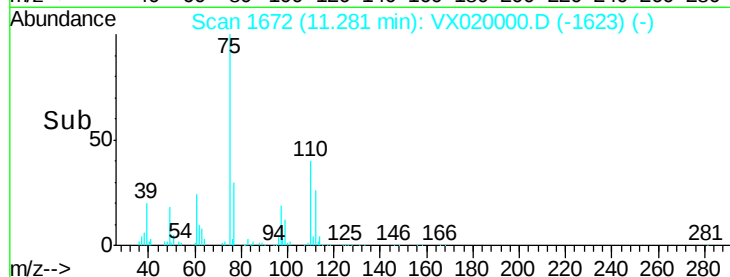
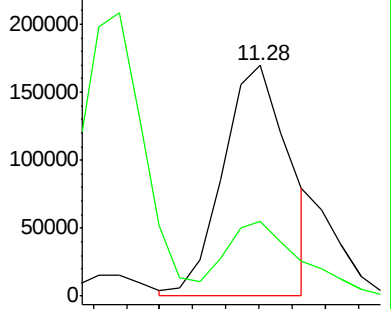
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 53.820 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

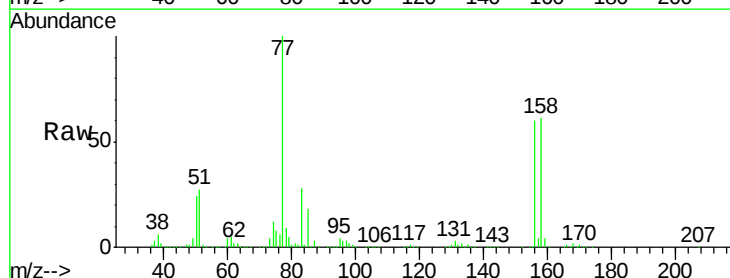
Tgt Ion: 156 Resp: 161688

Ion Ratio Lower Upper

156 100

77 170.5 82.8 248.6

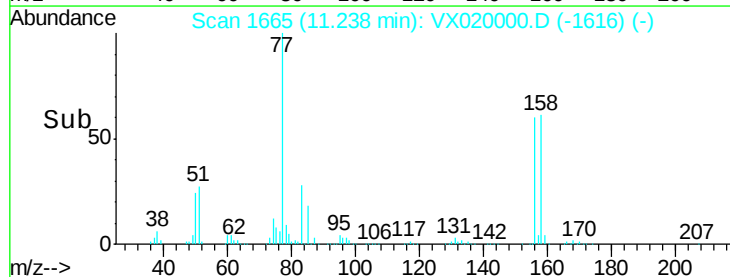
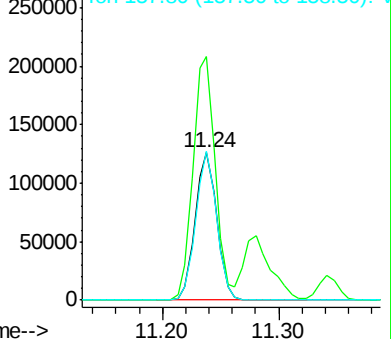
158 97.8 49.1 147.4

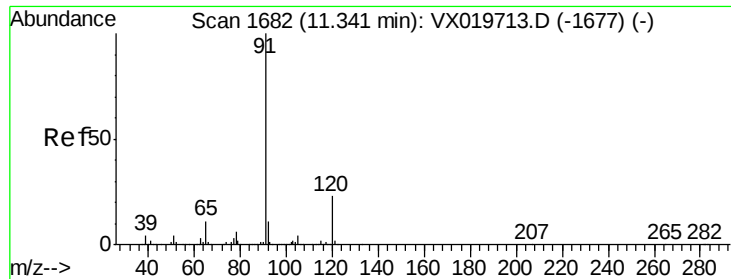


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





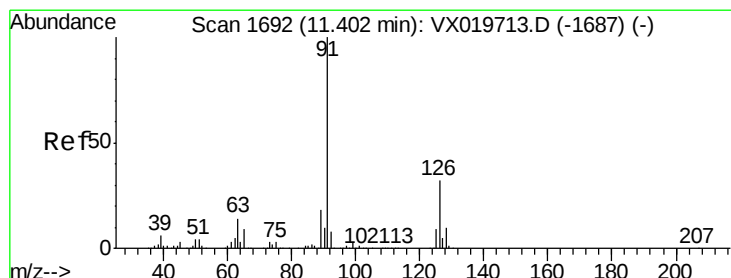
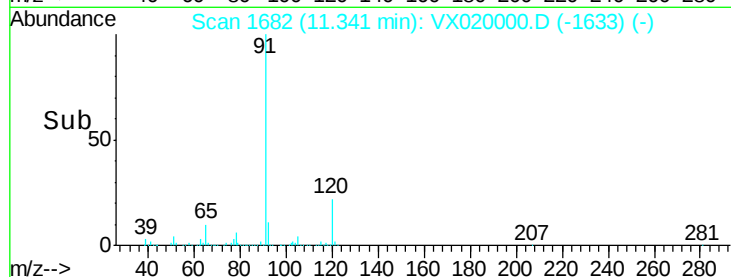
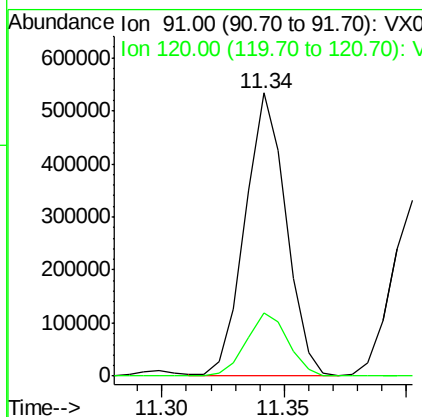
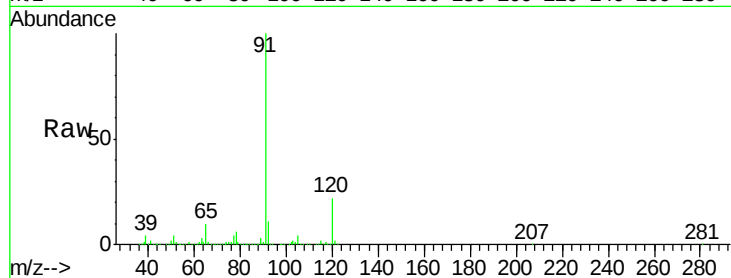
#78
n-propylbenzene
Concen: 46.105 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion: 91 Resp: 618186
Ion Ratio Lower Upper
91 100
120 22.7 11.5 34.5

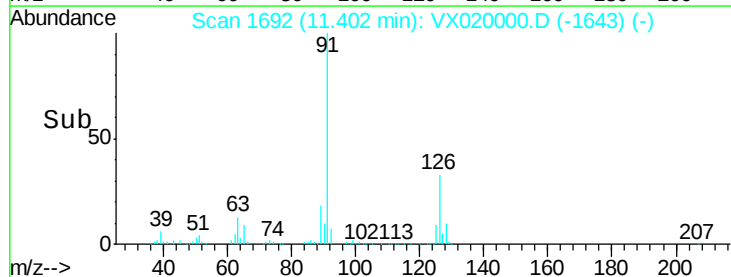
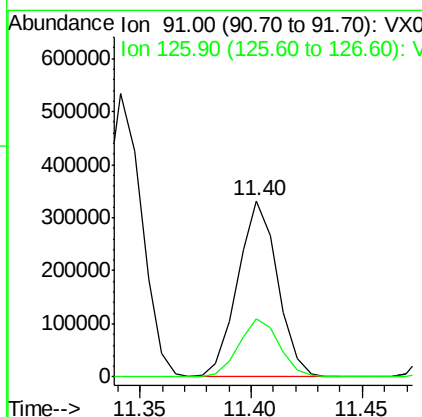
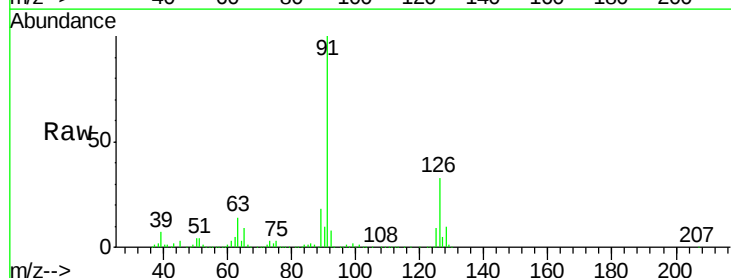
Manual Integrations
APPROVED

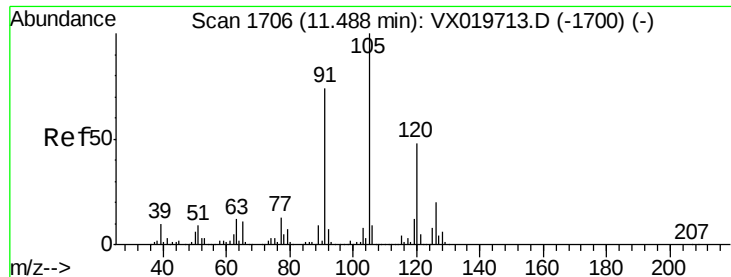
MMDadoda
12/15/2020 5:34:16 PM



#79
2-Chlorotoluene
Concen: 50.007 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion: 91 Resp: 412912
Ion Ratio Lower Upper
91 100
126 33.2 16.6 49.8





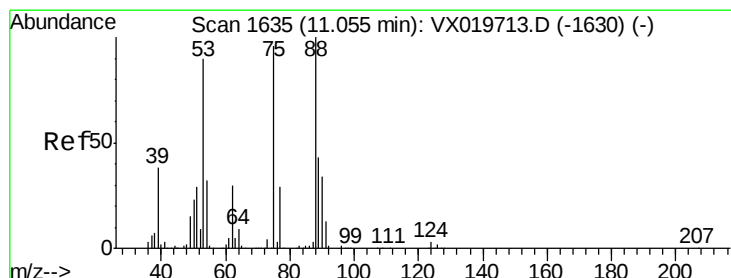
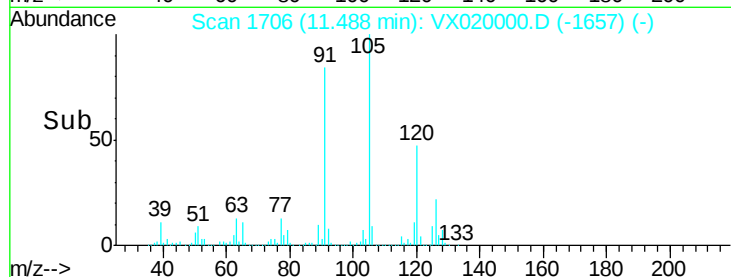
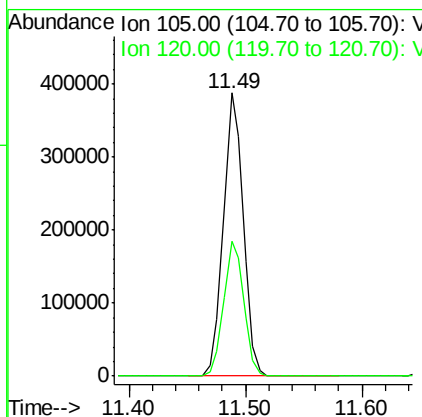
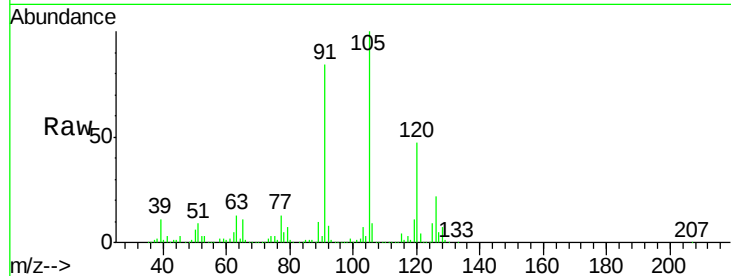
#80
 1,3,5-Trimethylbenzene
 Concen: 46.019 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.8	71.5

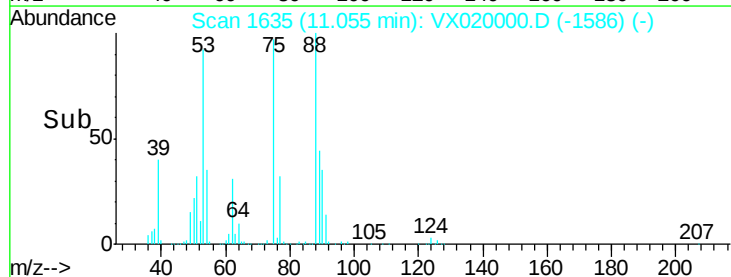
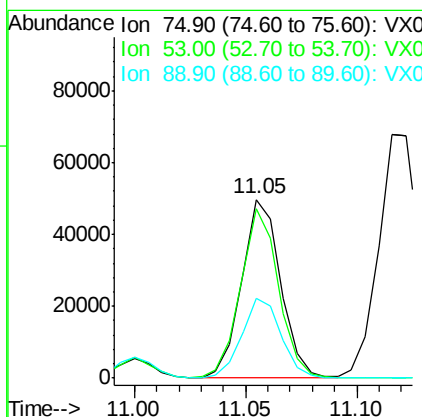
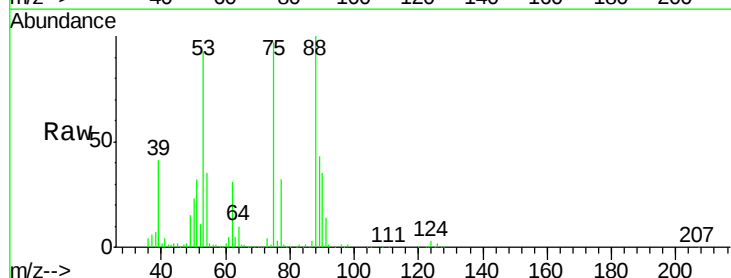
Manual Integrations
 APPROVED

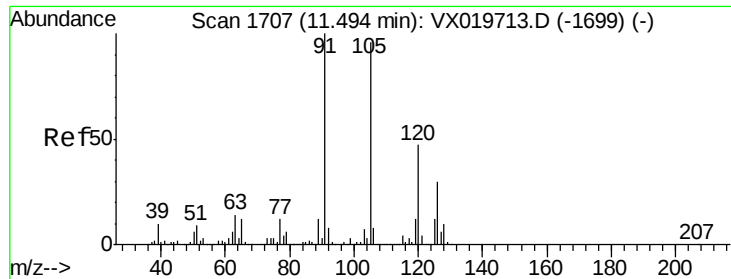
MMDadoda
 12/15/2020 5:34:16 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.353 ug/l
 RT: 11.05 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.2	74.5	111.7
89	45.5	37.9	56.9





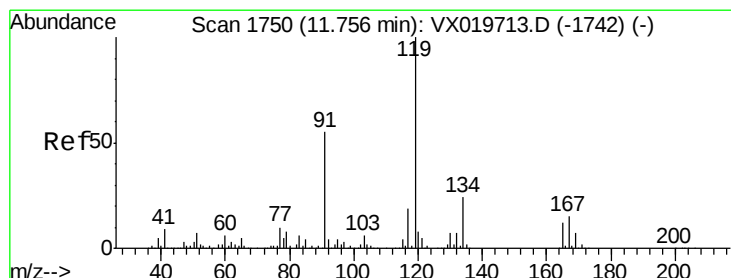
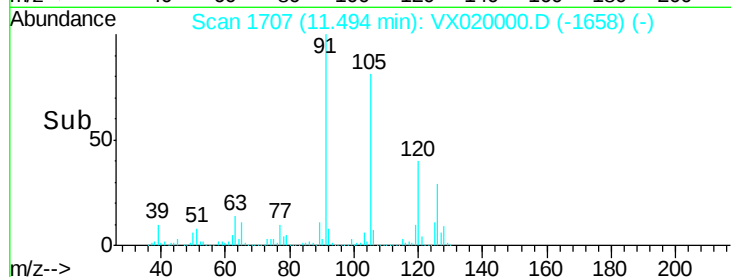
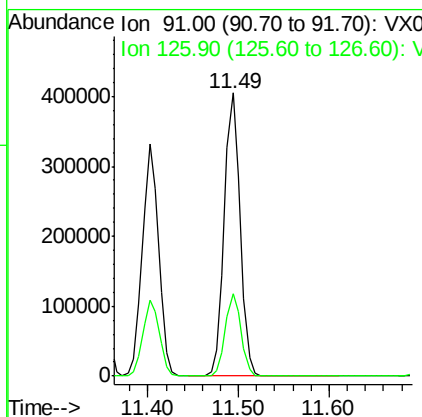
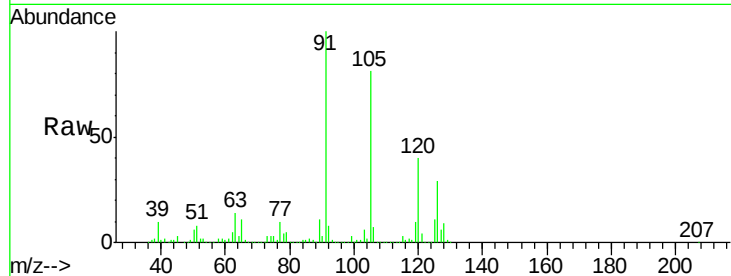
#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion	Ratio	Resp	Lower	Upper
91	100	493281		
126	28.8	14.9	44.5	

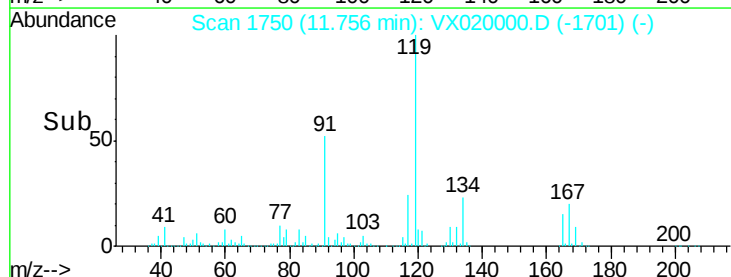
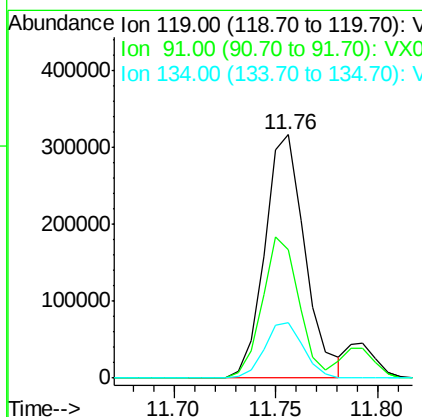
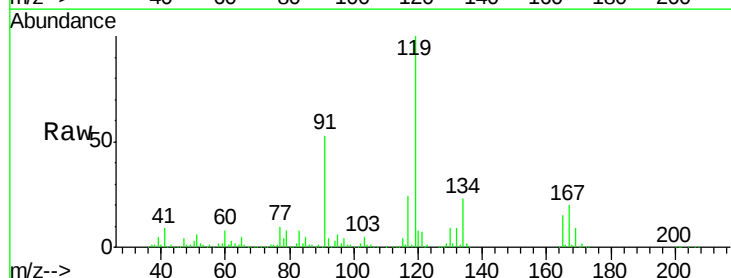
Manual Integrations
APPROVED

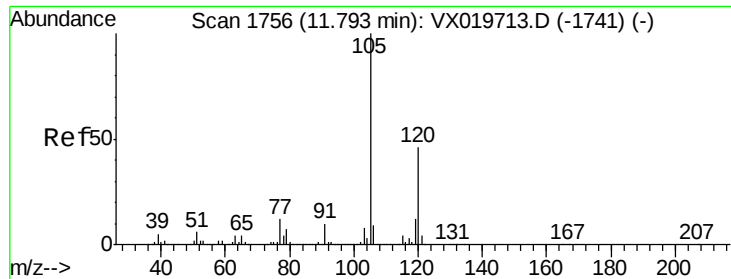
MMDadoda
12/15/2020 5:34:16 PM



#83
tert-Butylbenzene
Concen: 44.820 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	435525		
91	53.0	27.9	83.7	
134	22.0	11.3	33.9	





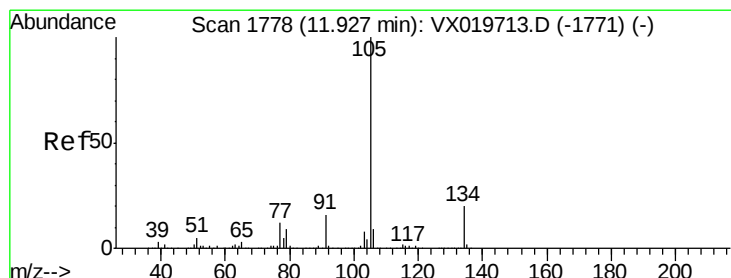
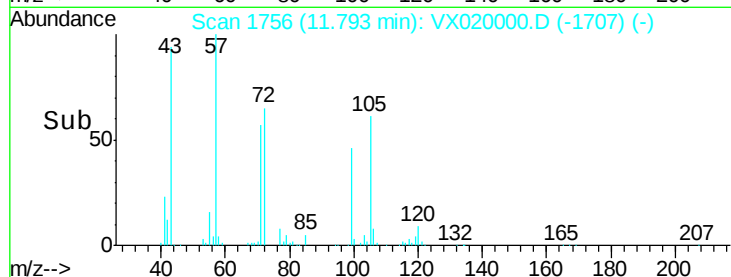
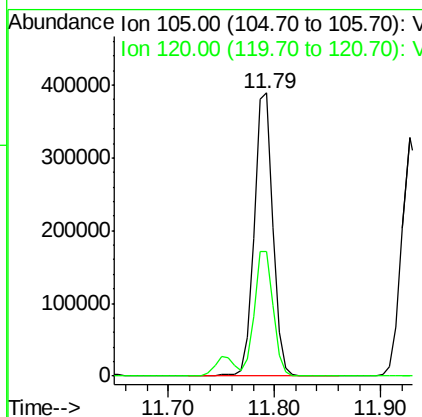
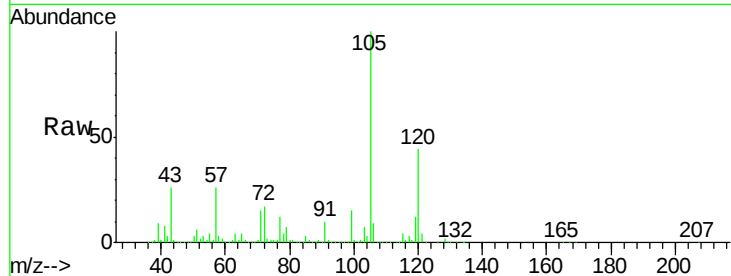
#84
 1,2,4-Trimethylbenzene
 Concen: 48.011 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Tot Ion:105 Resp: 479160
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.3

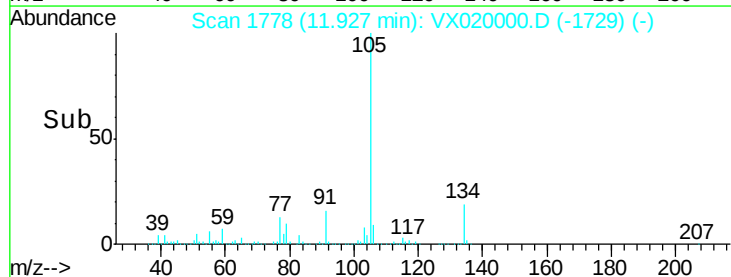
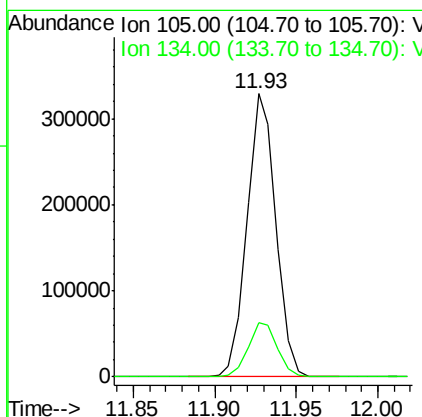
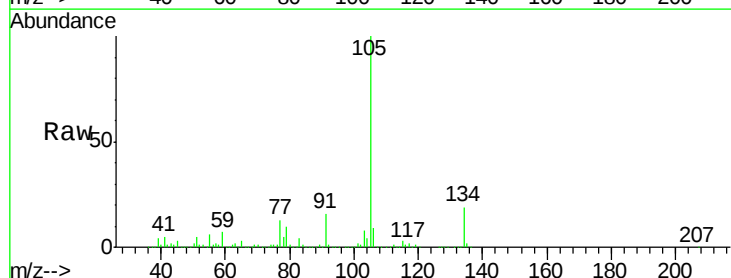
Manual Integrations
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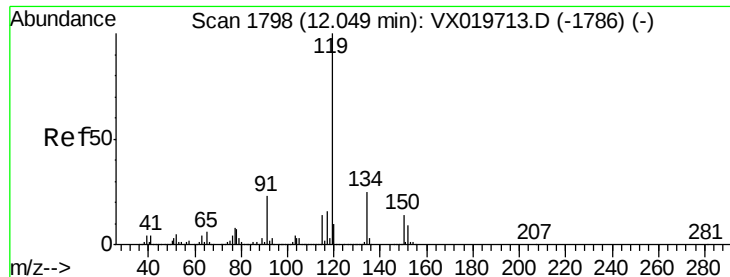
MMDadoda
 12/15/2020 5:34:16 PM



#85
 sec-Butylbenzene
 Concen: 36.486 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Tgt Ion:105 Resp: 404785
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.0 29.8





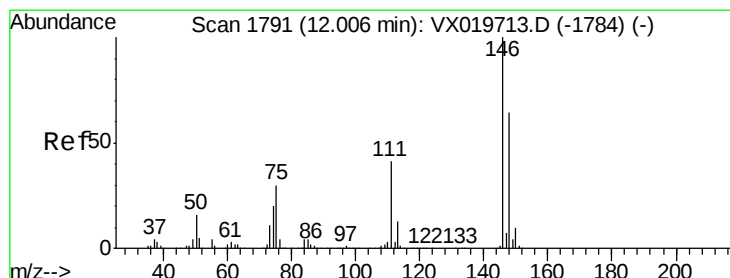
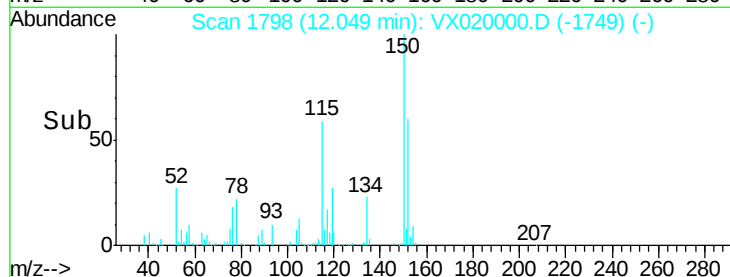
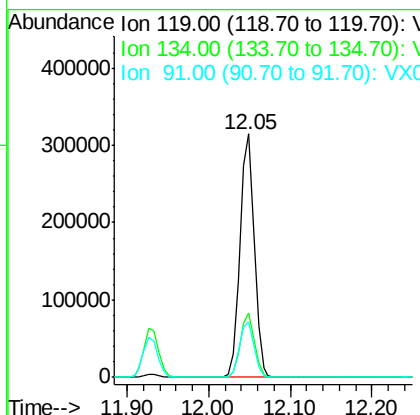
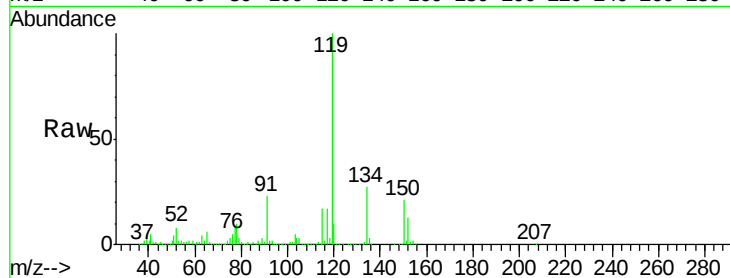
#86
p-Isopropyltoluene
Concen: 36.733 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	373488		
134	25.8	12.9	38.7	
91	23.5	11.7	35.0	

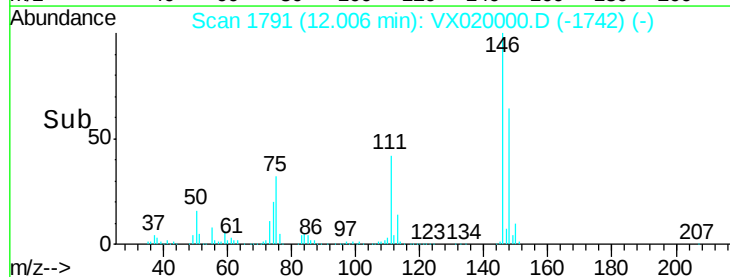
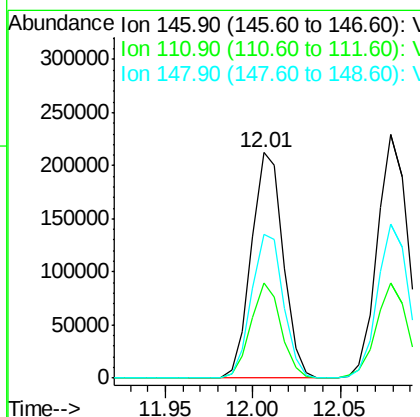
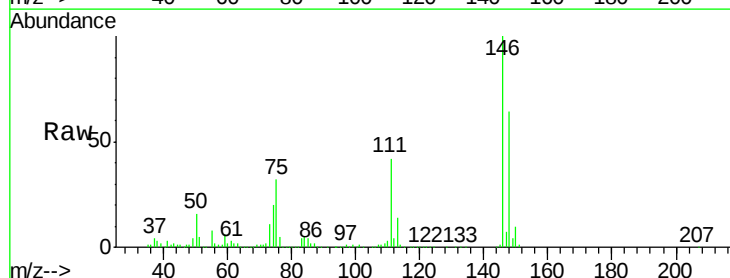
Manual Integrations
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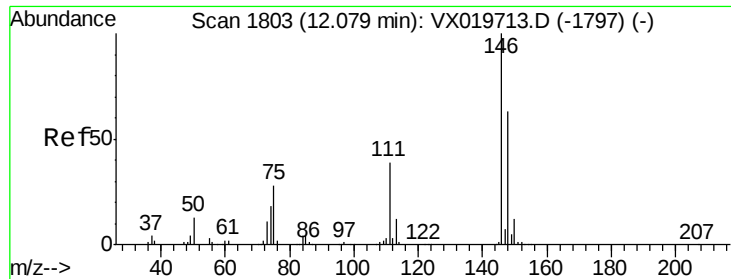
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 48.817 ug/l
RT: 12.01 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	269177		
111	40.1	20.2	60.5	
148	64.1	31.9	95.7	





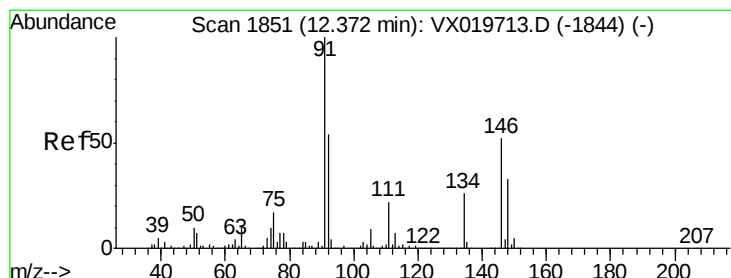
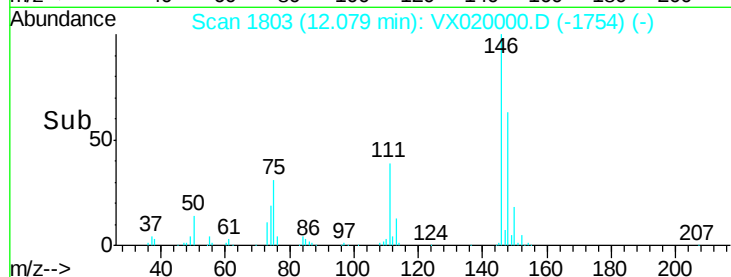
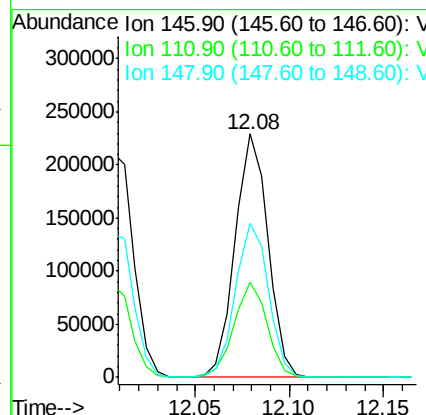
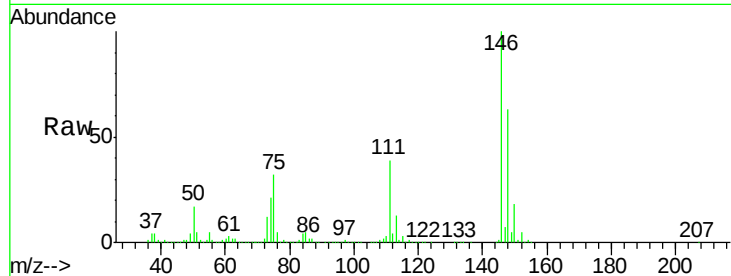
#88
 1,4-Dichlorobenzene
 Concen: 49.426 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.6	58.8
148	63.8	31.6	95.0

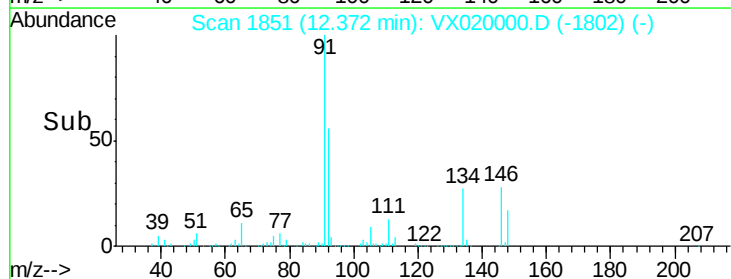
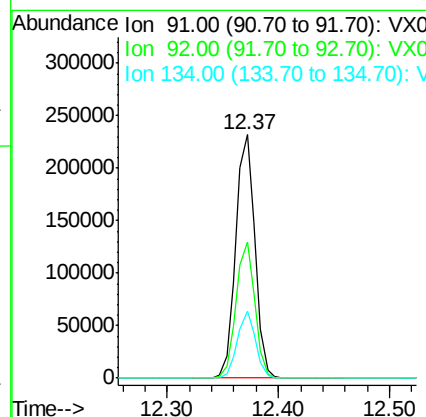
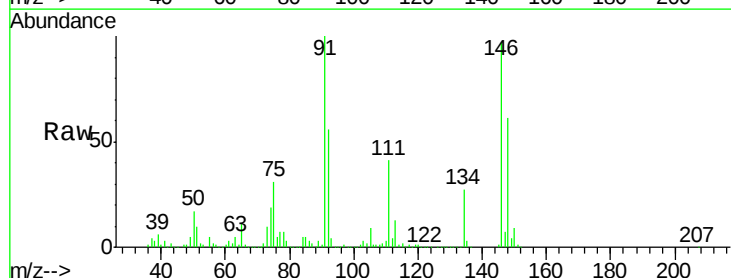
Manual Integrations
 APPROVED

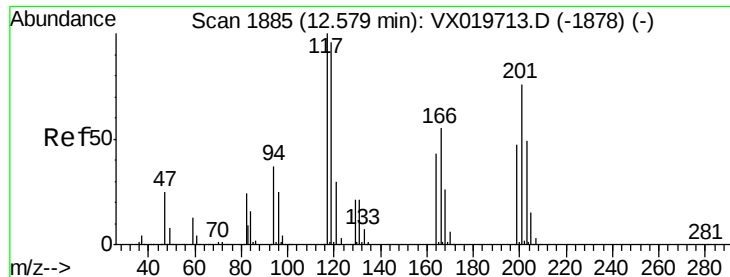
MMDadoda
 12/15/2020 5:34:16 PM



#89
 n-Butylbenzene
 Concen: 30.520 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.4	82.0
134	26.1	13.2	39.5





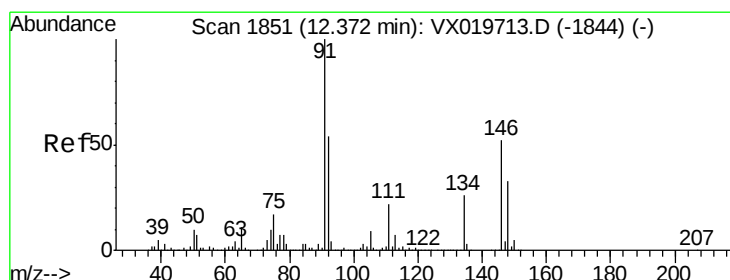
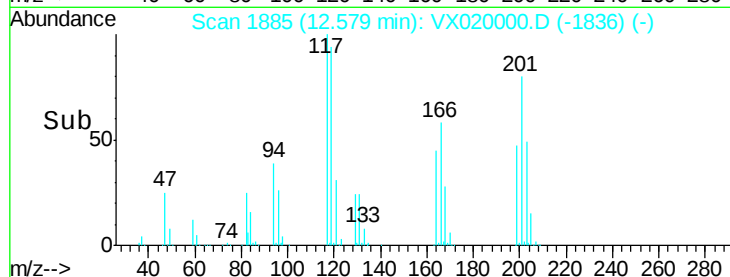
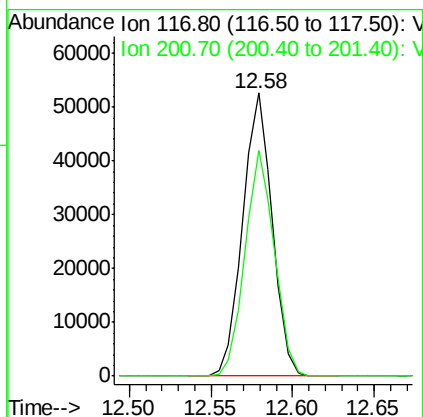
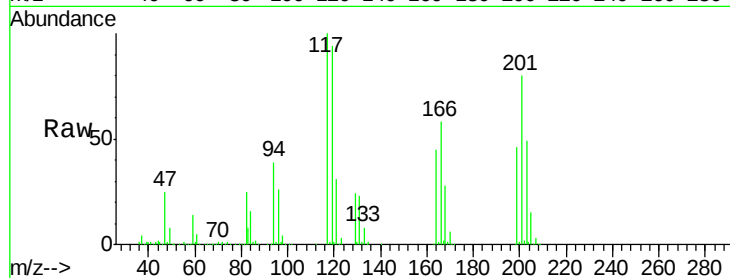
#90
Hexachloroethane
Concen: 37.829 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020MS

Tot Ion:117 Resp: 66405
Ion Ratio Lower Upper
117 100
201 79.3 40.4 121.2

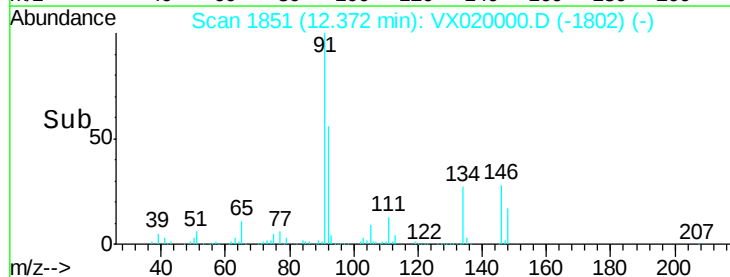
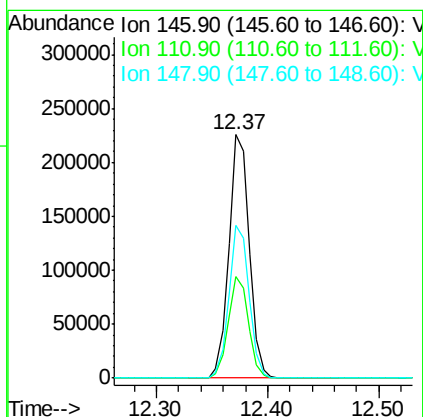
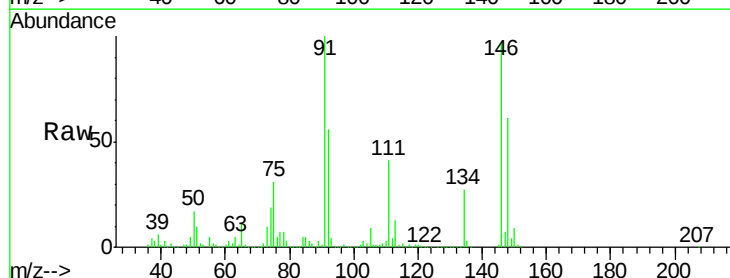
Manual Integrations
APPROVED

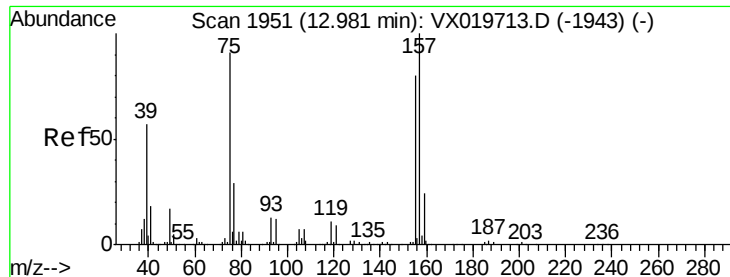
MMDadoda
12/15/2020 5:34:16 PM



#91
1,2-Dichlorobenzene
Concen: 52.692 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX020000.D
Acq: 14 Dec 2020 20:31

Tgt Ion:146 Resp: 283226
Ion Ratio Lower Upper
146 100
111 41.6 20.8 62.2
148 62.3 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 70.345 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020MS

Tot Ion: 75 Resp: 62590

Ion Ratio Lower Upper

75 100

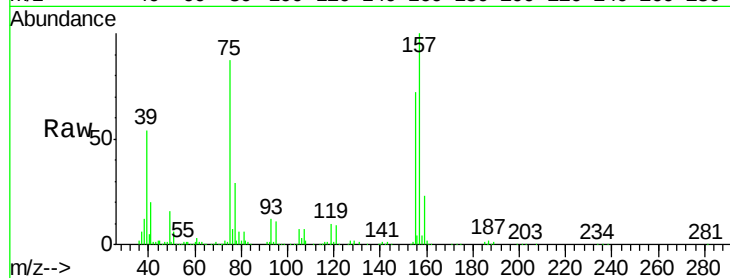
155 86.4 45.3 135.9

157 114.3 57.7 173.1

Manual Integrations
APPROVED

MMDadoda

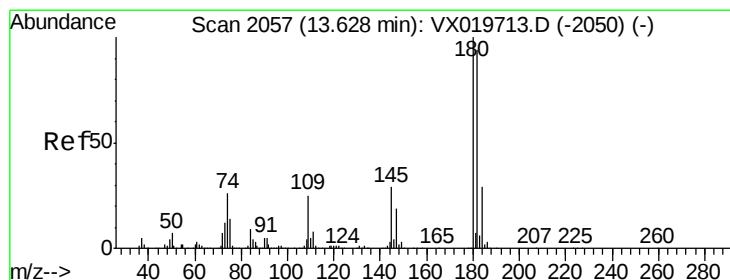
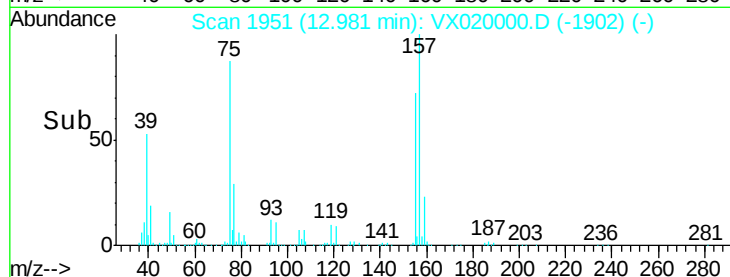
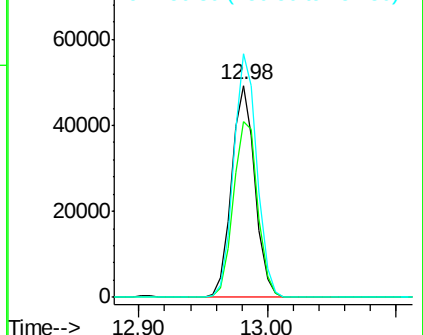
12/15/2020 5:34:16 PM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 38.067 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

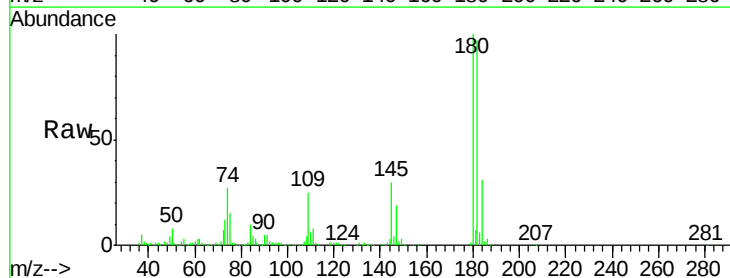
Tgt Ion:180 Resp: 133194

Ion Ratio Lower Upper

180 100

182 93.2 47.7 143.1

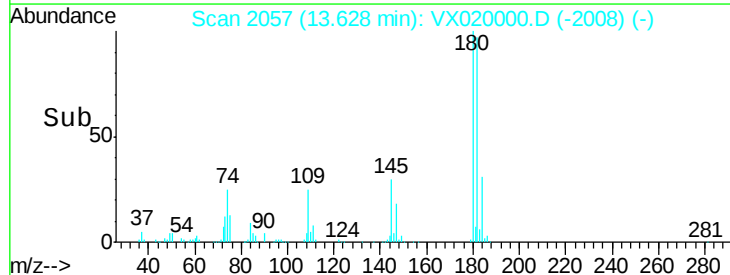
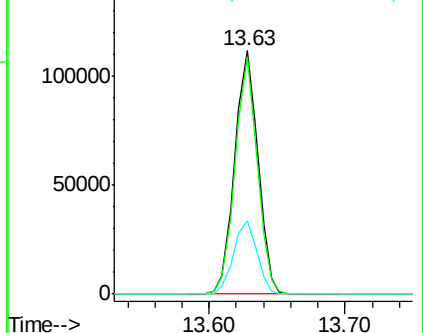
145 30.5 15.0 45.0

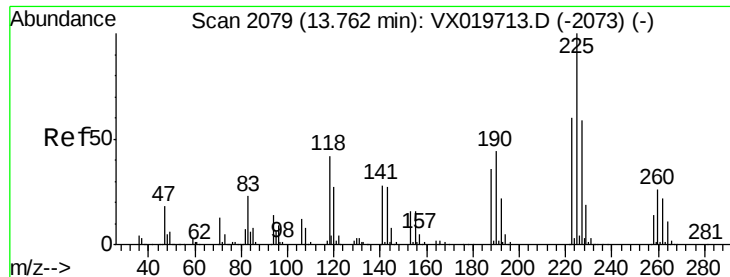


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 11.564 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX020000.D

Acq: 14 Dec 2020 20:31

Instrument :

MSVOA_X

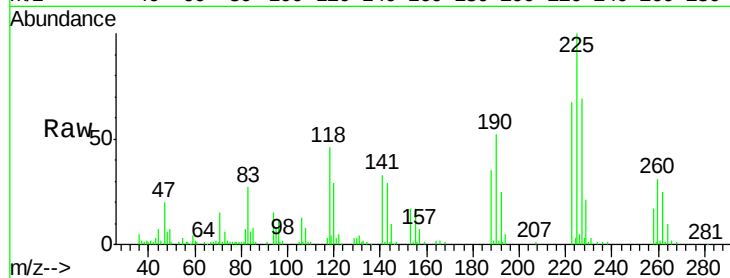
ClientSampleId :

TU032-32-5229-121020MS

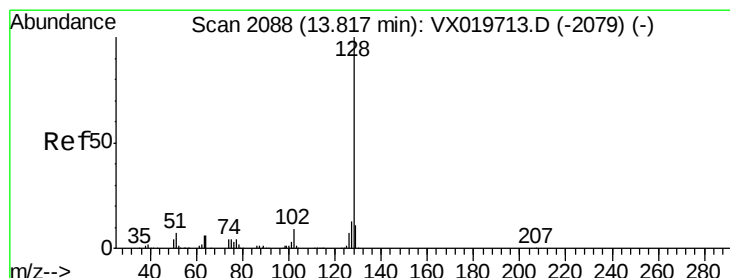
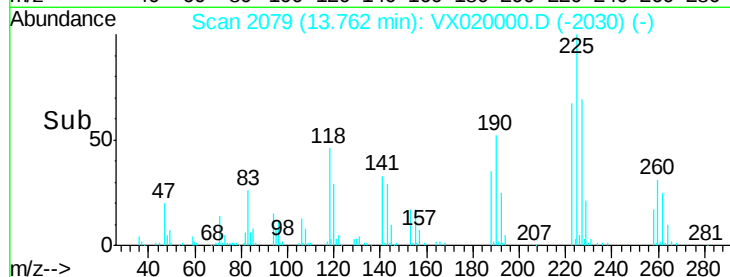
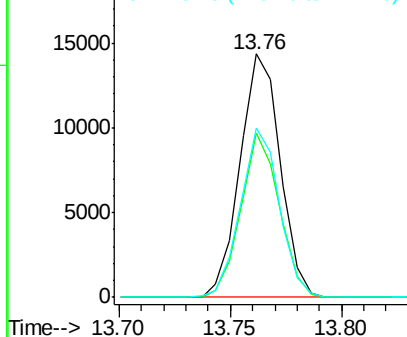
Tot Ion:	225	Resp:	18085
Ion Ratio	Lower	Upper	
225	100		
223	64.4	31.1	93.2
227	67.3	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
12/15/2020 5:34:16 PM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 59.184 ug/l

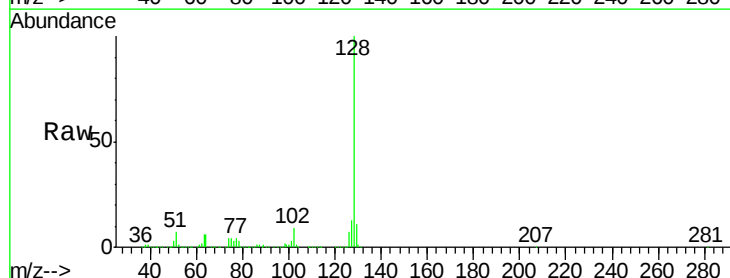
RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

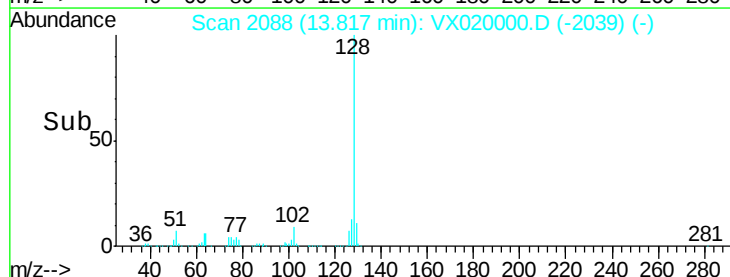
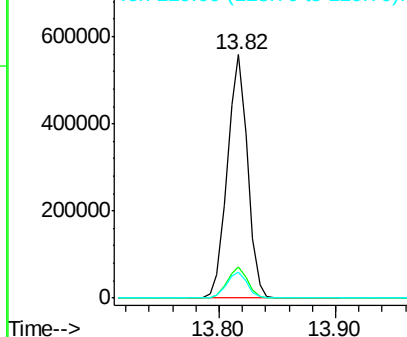
Lab File: VX020000.D

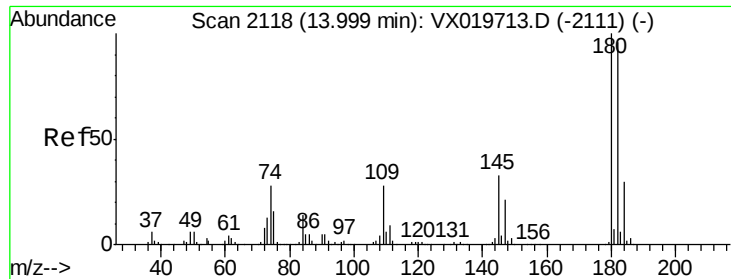
Acq: 14 Dec 2020 20:31

Tgt Ion:	128	Resp:	671359
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.9	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 39.871 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VX020000.D
 Acq: 14 Dec 2020 20:31

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.6	47.6	142.9
145	32.7	16.1	48.3

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 5:34:16 PM

