

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102120\
 Data File : VX019010.D
 Acq On : 21 Oct 2020 19:30
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 1:22:00 PM

Quant Time: Oct 22 01:51:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 01:25:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	269216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	445247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	413796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	204946	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	315712	85.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.84%	
35) Dibromofluoromethane	5.46	113	283166	93.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.44%	
50) Toluene-d8	8.70	98	1064787	95.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.74%	
62) 4-Bromofluorobenzene	11.12	95	384335	88.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	277404	108.306	ug/l	99
3) Chloromethane	1.31	50	268068	90.940	ug/l	99
4) Vinyl Chloride	1.39	62	317316	100.096	ug/l	99
5) Bromomethane	1.64	94	277123	130.230	ug/l	96
6) Chloroethane	1.71	64	174137	93.450	ug/l	100
7) Trichlorofluoromethane	1.92	101	528218	107.798	ug/l	100
8) Diethyl Ether	2.17	74	205514	116.897	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	251295	98.033	ug/l	99
10) Methyl Iodide	2.49	142	376713	132.979	ug/l	100
11) Tert butyl alcohol	3.03	59	331543m	504.732	ug/l	
12) 1,1-Dichloroethene	2.36	96	259098	99.698	ug/l	97
13) Acrolein	2.28	56	123972	323.554	ug/l	100
14) Allyl chloride	2.71	41	338942	70.983	ug/l	99
15) Acrylonitrile	3.12	53	637365	419.596	ug/l	99
16) Acetone	2.43	43	534678	382.921	ug/l	97
17) Carbon Disulfide	2.55	76	734463	95.333	ug/l	99
18) Methyl Acetate	2.75	43	275682	79.627	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	848644	94.560	ug/l	100
20) Methylene Chloride	2.84	84	301573	94.315	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	301685	99.389	ug/l	99
22) Diisopropyl ether	3.82	45	681321	75.576	ug/l	100
23) Vinyl Acetate	3.79	43	3284671	409.010	ug/l	98
24) 1,1-Dichloroethane	3.67	63	491095	91.085	ug/l	100
25) 2-Butanone	4.64	43	884362	406.206	ug/l	99
26) 2,2-Dichloropropane	4.55	77	451410	90.432	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	354908	104.088	ug/l	98
28) Bromochloromethane	4.98	49	204521	82.656	ug/l	97
29) Tetrahydrofuran	5.09	42	520408	384.402	ug/l	99
30) Chloroform	5.18	83	544521	98.498	ug/l	96
31) Cyclohexane	5.55	56	378656	85.357	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	494715	95.960	ug/l	99
36) 1,1-Dichloropropene	5.77	75	405166	95.183	ug/l	99
37) Ethyl Acetate	4.79	43	352959	80.107	ug/l	99
38) Carbon Tetrachloride	5.76	117	426613	91.337	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	456978	95.555	ug/l	99
40) Benzene	6.12	78	1203119	97.763	ug/l	99
41) Methacrylonitrile	5.01	41	191614	78.506	ug/l	97
42) 1,2-Dichloroethane	6.16	62	410839	87.423	ug/l	100
43) Isopropyl Acetate	6.41	43	600589	81.804	ug/l	99
44) Trichloroethene	7.19	130	348239	97.786	ug/l	97
45) 1,2-Dichloropropane	7.49	63	288875	87.013	ug/l	99
46) Dibromomethane	7.63	93	222465	96.589	ug/l	99
47) Bromodichloromethane	7.88	83	441286	95.179	ug/l	99
48) Methyl methacrylate	7.74	41	284832	80.265	ug/l	99
49) 1,4-Dioxane	7.74	88	131268	2106.373	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1755464	402.431	ug/l	99
52) Toluene	8.77	92	800354	102.415	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	502825	95.538	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	527614	97.199	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	328363	101.850	ug/l	98
56) Ethyl methacrylate	9.16	69	488056	102.850	ug/l	100
57) 1,3-Dichloropropane	9.35	76	517803	96.177	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	1236813	492.525	ug/l	99
59) 2-Hexanone	9.48	43	1282423	388.270	ug/l	99
60) Dibromochloromethane	9.57	129	376325	98.783	ug/l	99
61) 1,2-Dibromoethane	9.65	107	353921	103.178	ug/l	99
64) Tetrachloroethene	9.32	164	300788	93.210	ug/l	92
65) Chlorobenzene	10.12	112	883602	103.349	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	326728	96.544	ug/l	98
67) Ethyl Benzene	10.24	91	1532793	104.111	ug/l	99
68) m/p-Xylenes	10.34	106	1177341	209.823	ug/l	99
69) o-Xylene	10.68	106	579141	109.093	ug/l	98
70) Styrene	10.70	104	993583	109.141	ug/l	100
71) Bromoform	10.84	173	284027	100.966	ug/l #	100
73) Isopropylbenzene	11.00	105	1550036	111.718	ug/l	98
74) N-amyl acetate	10.88	43	488094	82.473	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	455869	100.458	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	409104m	95.595	ug/l	
77) Bromobenzene	11.24	156	387525	102.417	ug/l	98
78) n-propylbenzene	11.35	91	1735629	107.665	ug/l	99
79) 2-Chlorotoluene	11.40	91	995480	102.535	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	1281773	108.794	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	169623	101.464	ug/l	97
82) 4-Chlorotoluene	11.49	91	1185152	102.725	ug/l	99
83) tert-Butylbenzene	11.76	119	1263410	110.034	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	1277069	107.871	ug/l	100
85) sec-Butylbenzene	11.93	105	1528665	112.411	ug/l	100
86) p-Isopropyltoluene	12.05	119	1389398	111.650	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	702903	103.543	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	700109	101.583	ug/l	97
89) n-Butylbenzene	12.37	91	1238247	107.692	ug/l	99
90) Hexachloroethane	12.58	117	223715	92.598	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	647319	101.437	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	106034	98.320	ug/l	96

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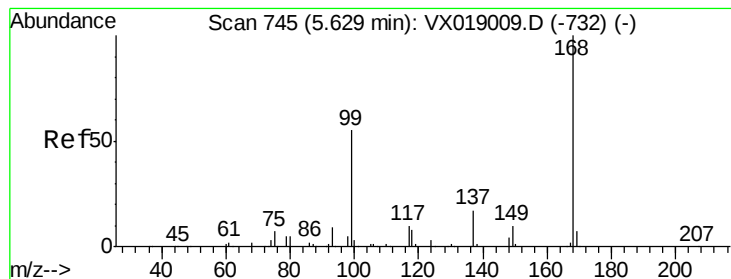
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	482516	108.017	ug/l	99
94) Hexachlorobutadiene	13.77	225	219144	115.591	ug/l	98
95) Naphthalene	13.82	128	1597276	118.216	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	466370	109.262	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 269216

Ion Ratio Lower Upper

168 100

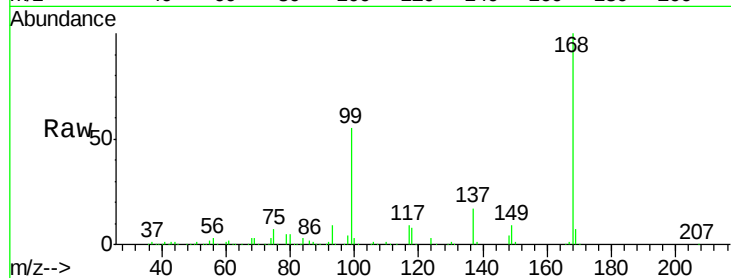
99 54.8 44.2 66.2

Manual Integrations

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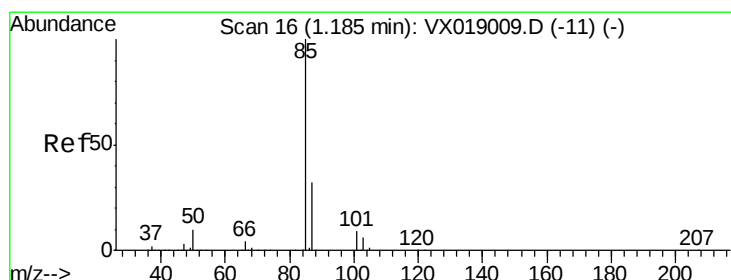
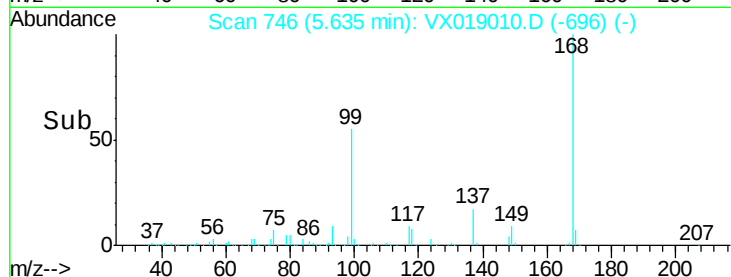
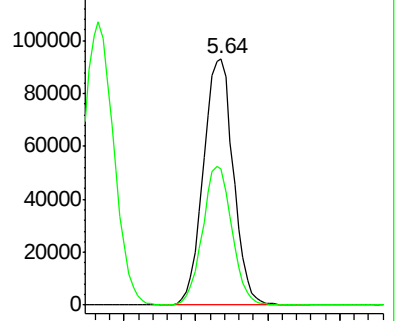
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 108.306 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019010.D

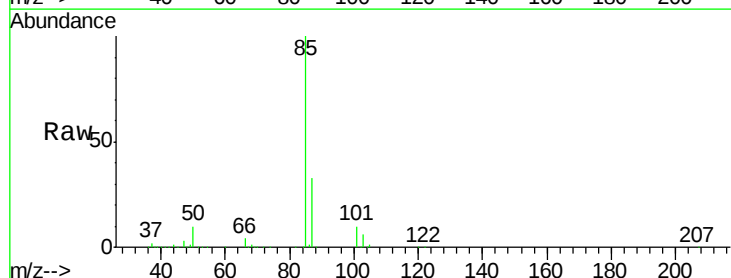
Acq: 21 Oct 2020 19:30

Tgt Ion: 85 Resp: 277404

Ion Ratio Lower Upper

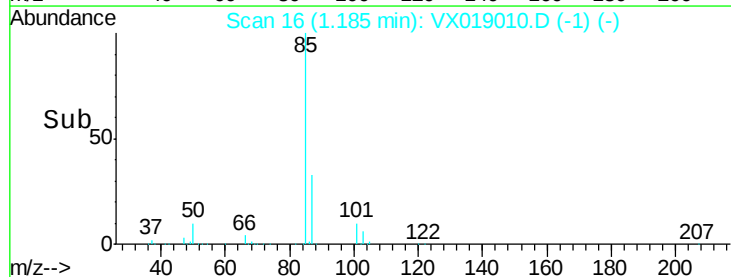
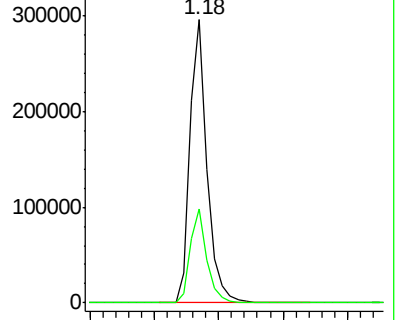
85 100

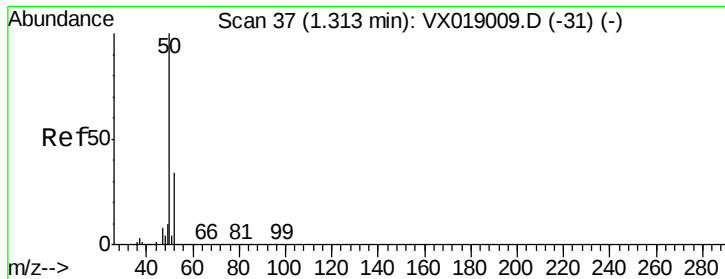
87 33.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 90.940 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 268068

Ion Ratio Lower Upper

50 100

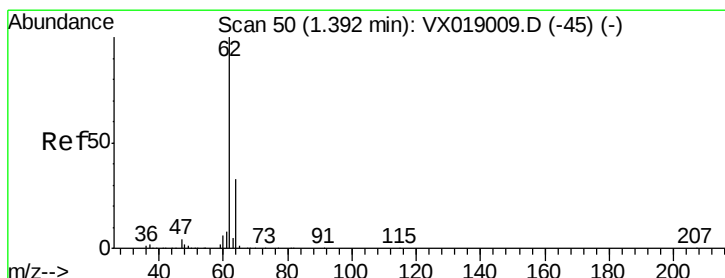
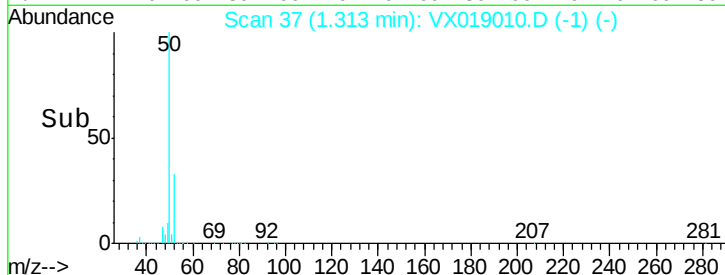
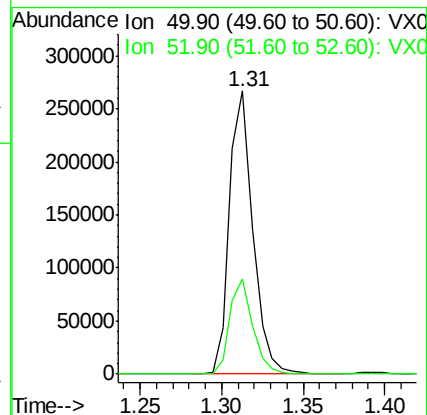
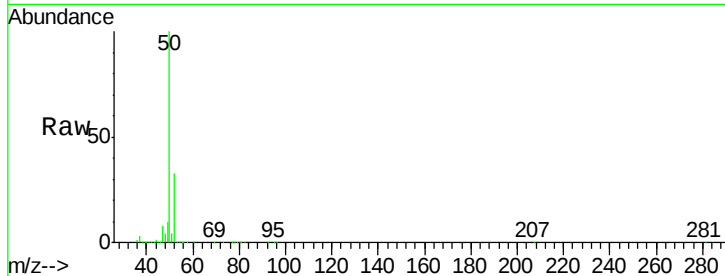
52 33.5 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 100.096 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019010.D

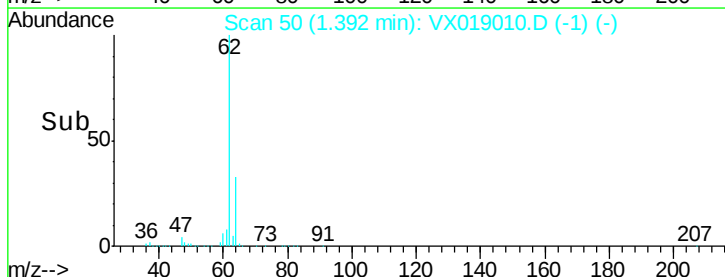
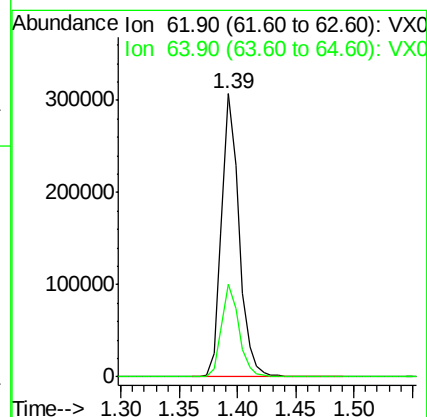
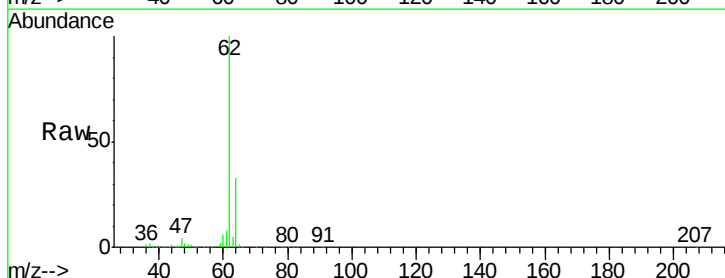
Acq: 21 Oct 2020 19:30

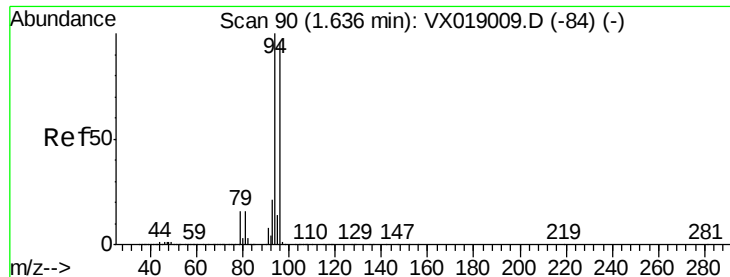
Tgt Ion: 62 Resp: 317316

Ion Ratio Lower Upper

62 100

64 32.6 26.5 39.7





#5

Bromomethane

Concen: 130.230 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 277123

Ion Ratio Lower Upper

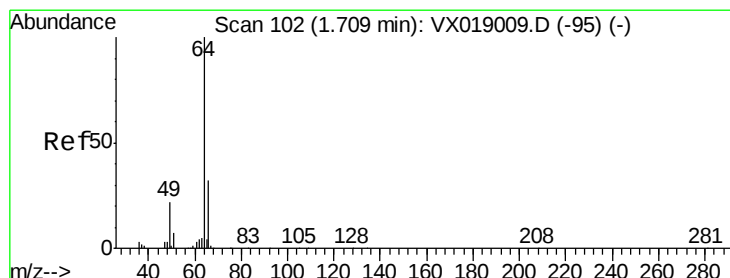
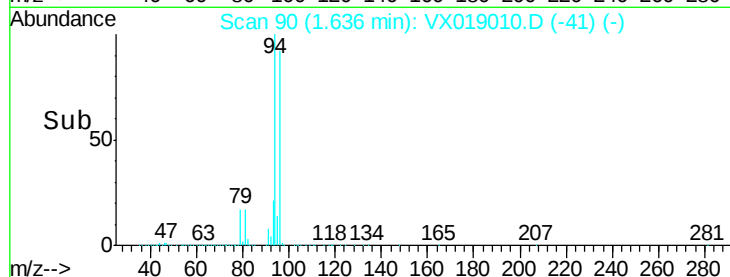
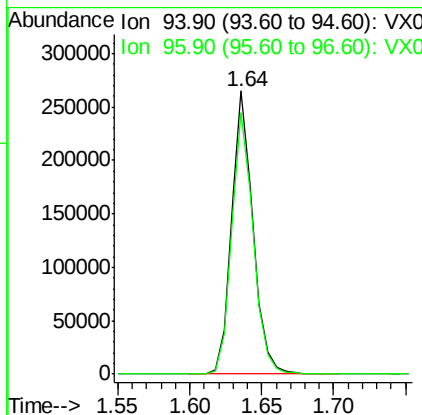
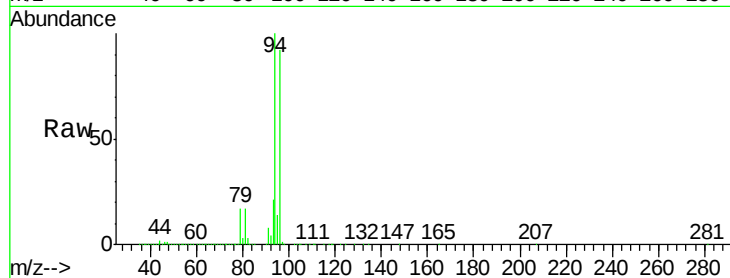
94 100

96 92.3 77.1 115.7

Manual Integrations
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#6

Chloroethane

Concen: 93.450 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX019010.D

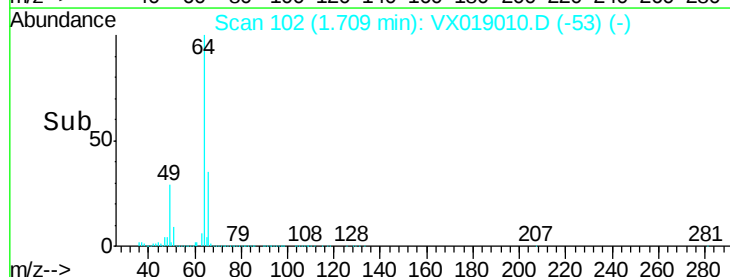
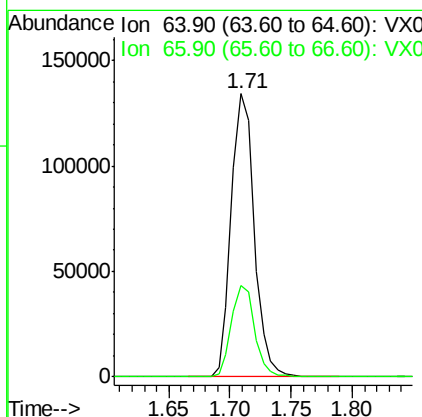
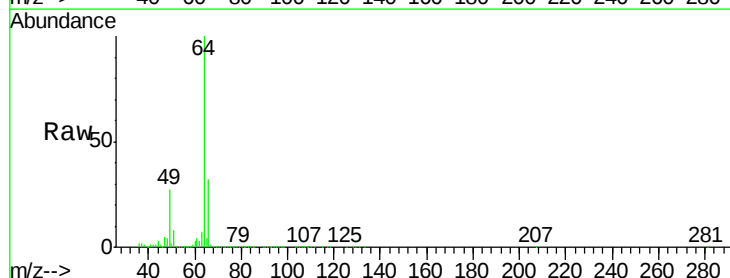
Acq: 21 Oct 2020 19:30

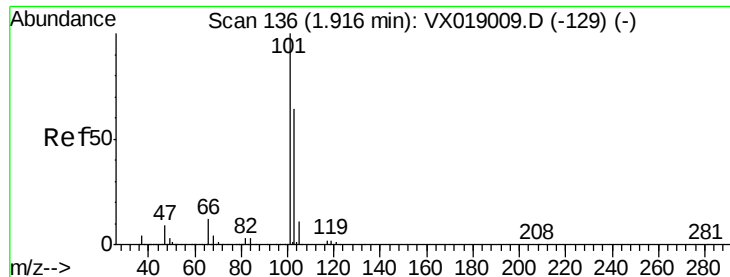
Tgt Ion: 64 Resp: 174137

Ion Ratio Lower Upper

64 100

66 32.3 25.7 38.5





#7

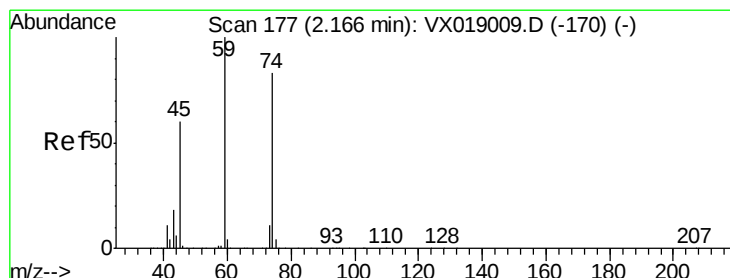
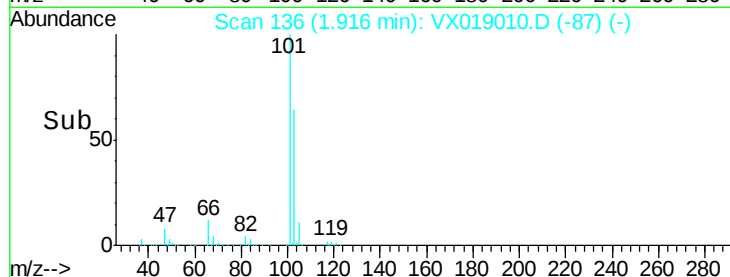
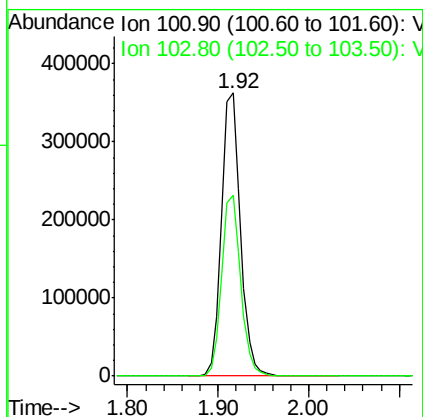
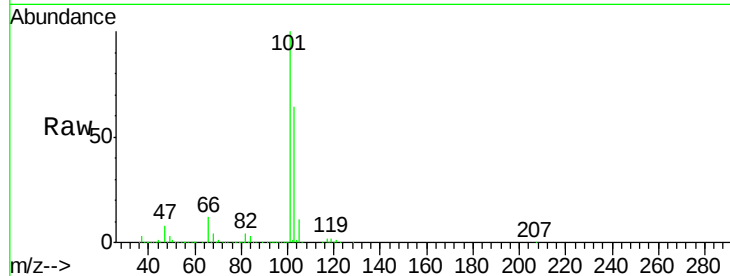
Trichlorofluoromethane
Concen: 107.798 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

Manual Integrations
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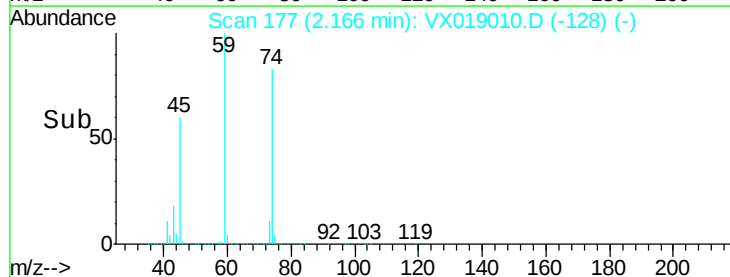
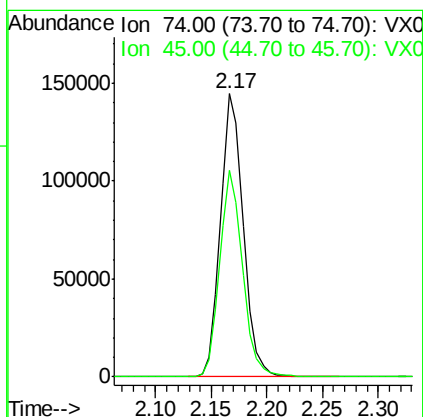
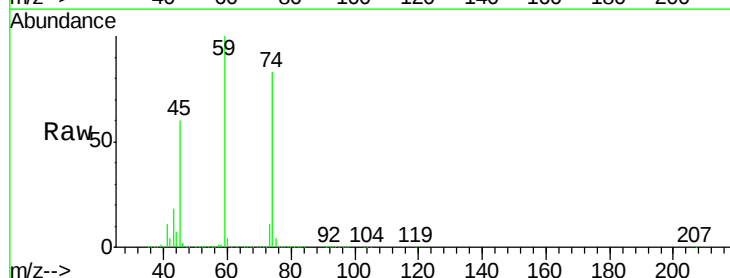
MMDadoda
10/22/2020 1:22:00 PM

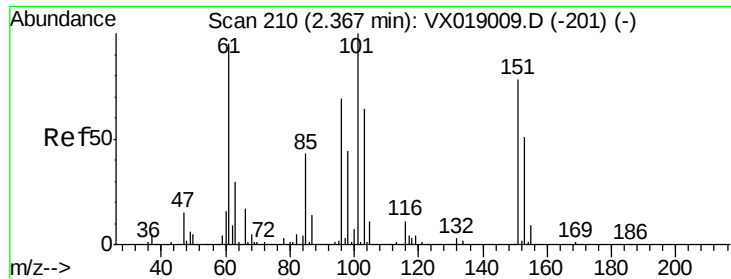


#8

Diethyl Ether
Concen: 116.897 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	72.7	36.8	110.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.033 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

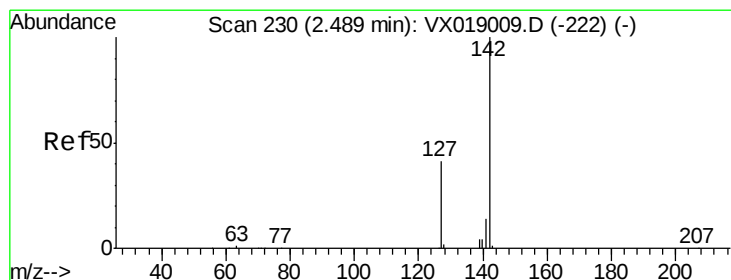
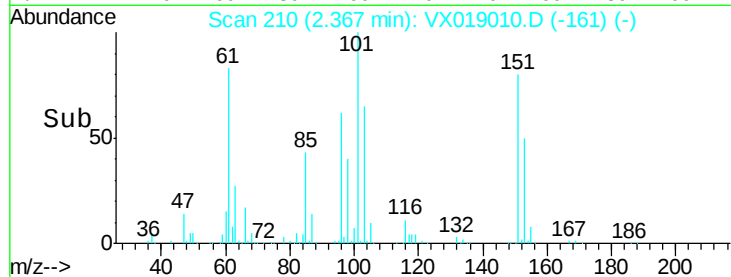
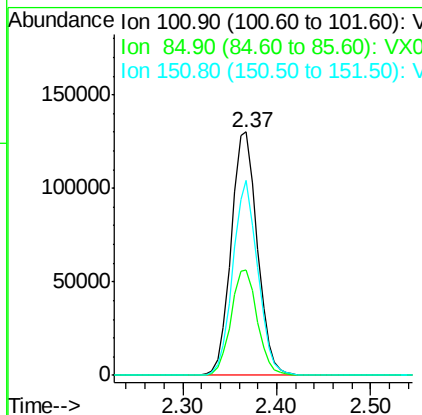
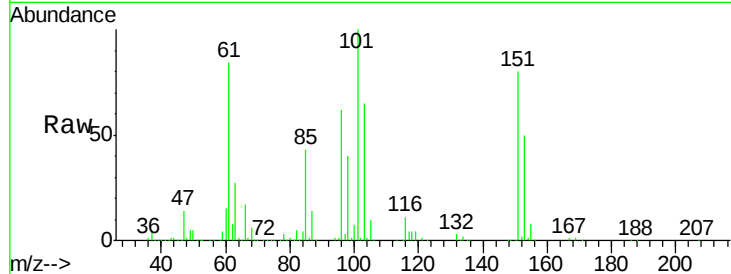
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	251295
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.2	52.8
151	76.4	62.4	93.6

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#10

Methyl Iodide

Concen: 132.979 ug/l

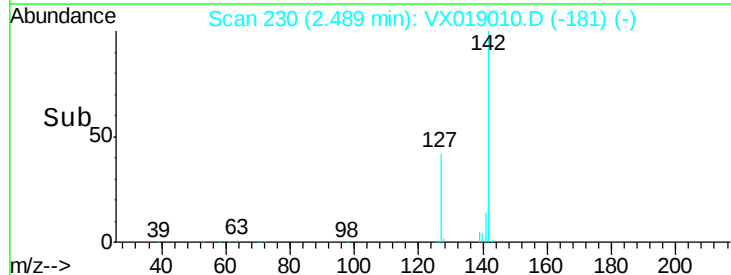
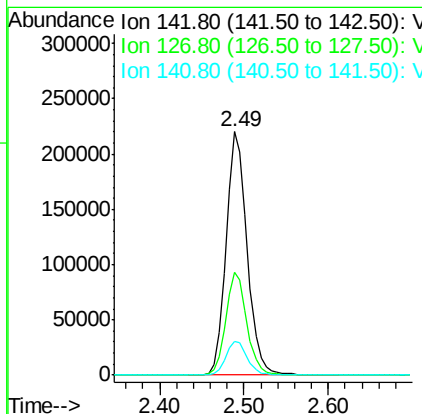
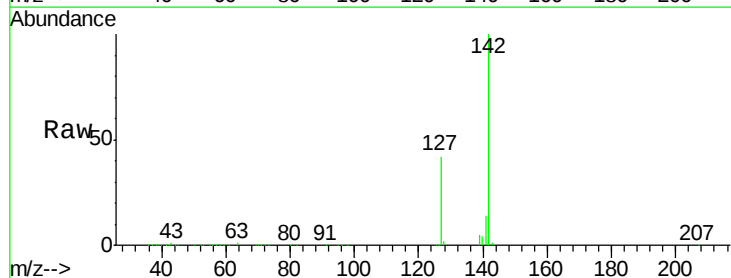
RT: 2.49 min Scan# 230

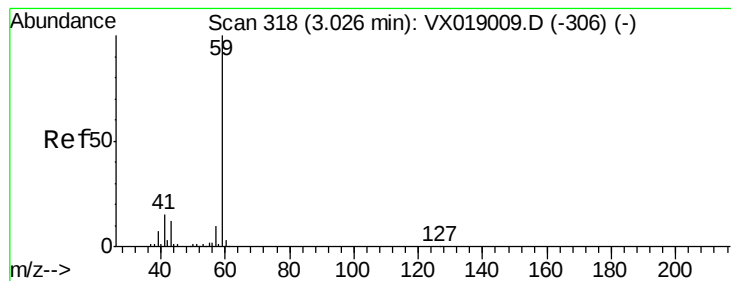
Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Tgt Ion:	142	Resp:	376713
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.6	50.4
141	14.0	11.2	16.8





#11

Tert butyl alcohol

Concen: 504.732 ug/l m

RT: 3.03 min Scan# 319

Delta R.T. 0.01 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Tot Ion: 59 Resp: 331543

Ion Ratio Lower Upper

59 100

57 9.6 8.2 12.2

Instrument :

MSVOA_X

ClientSampleId :

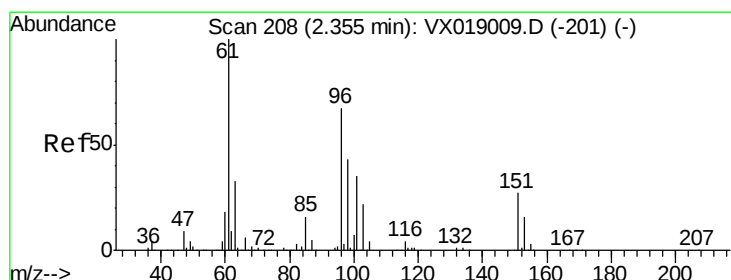
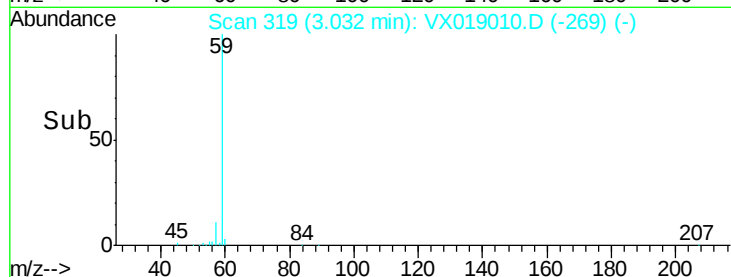
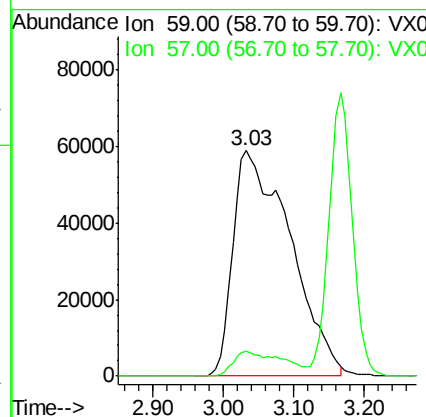
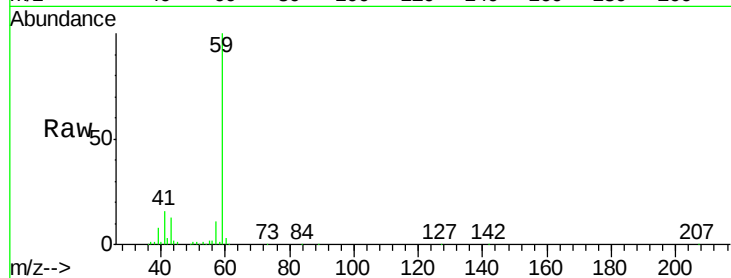
VSTDIC100

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 99.698 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

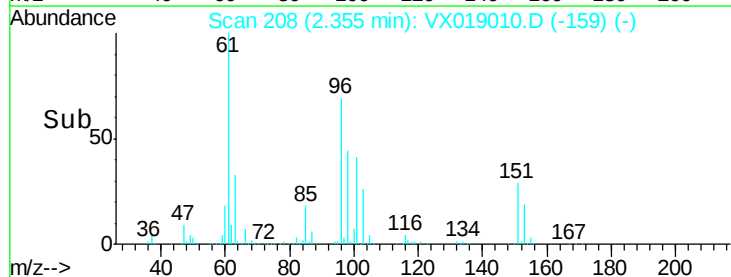
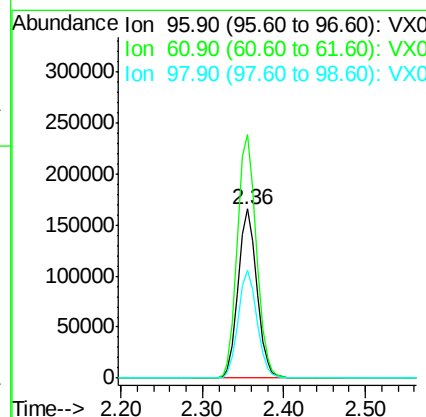
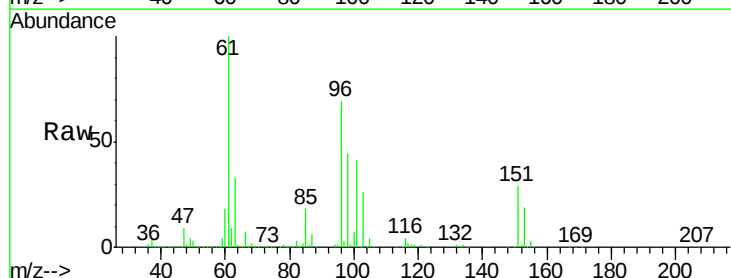
Tgt Ion: 96 Resp: 259098

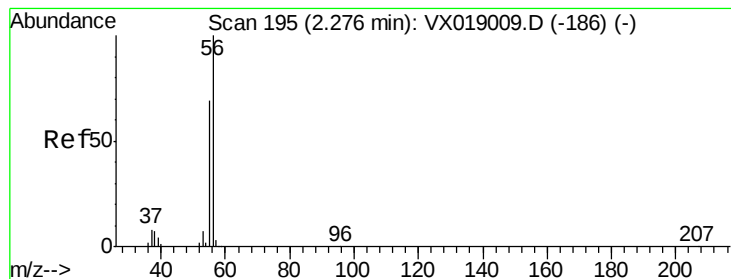
Ion Ratio Lower Upper

96 100

61 144.2 119.0 178.6

98 63.8 51.0 76.4





#13

Acrolein

Concen: 323.554 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 123972

Ion Ratio Lower Upper

56 100

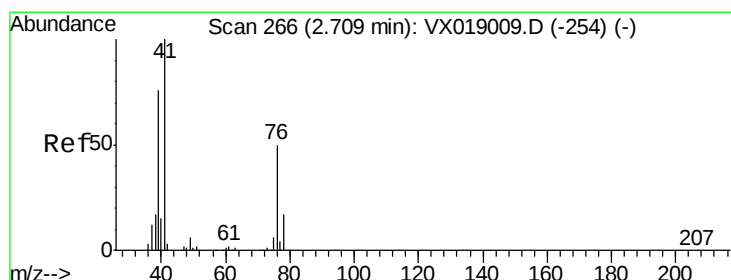
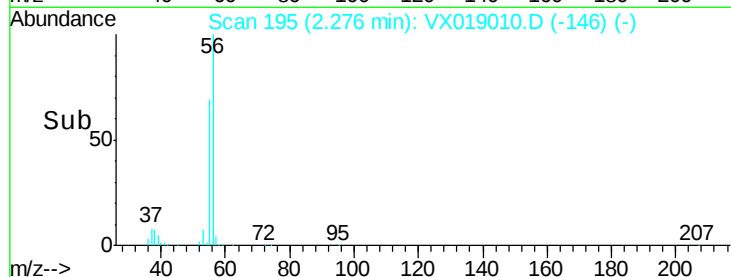
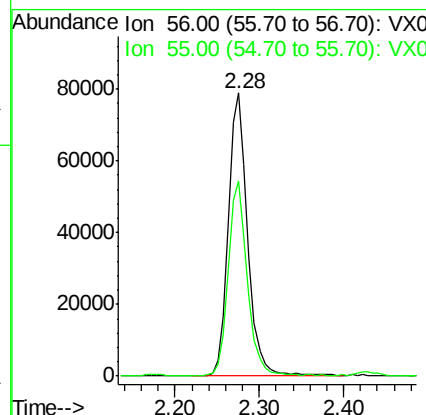
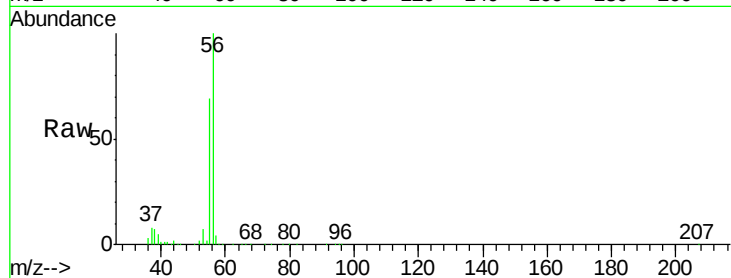
55 67.6 54.2 81.4

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#14

Allyl chloride

Concen: 70.983 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

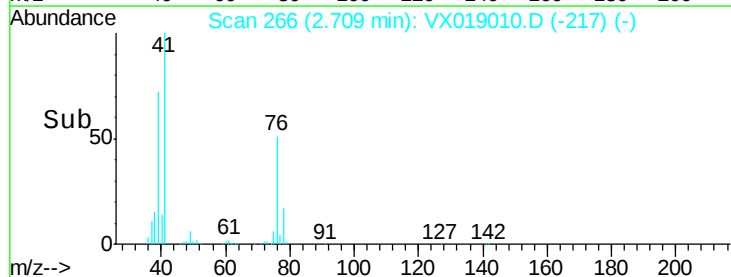
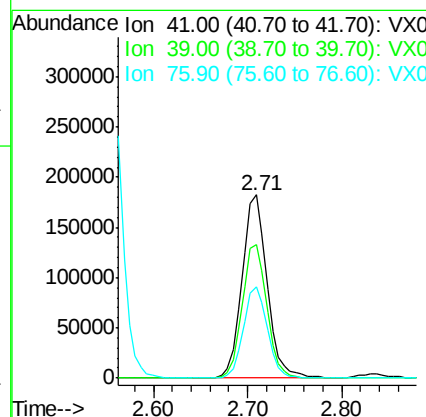
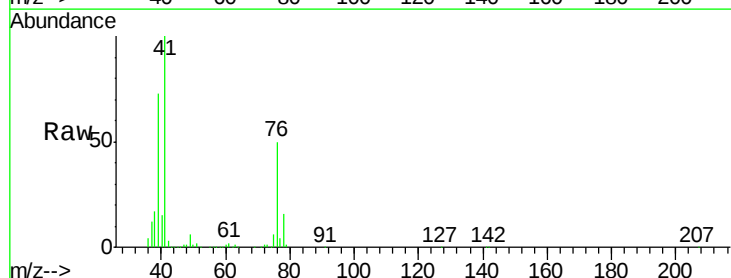
Tgt Ion: 41 Resp: 338942

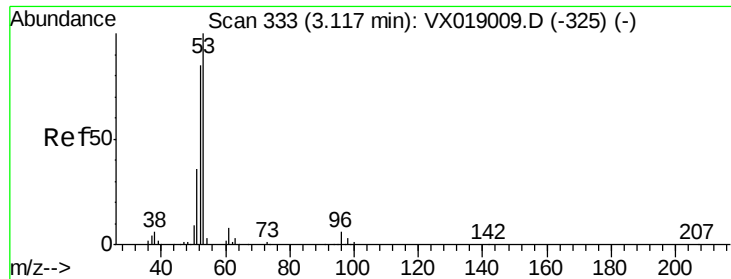
Ion Ratio Lower Upper

41 100

39 70.8 57.4 86.0

76 47.5 37.7 56.5





#15

Acrylonitrile

Concen: 419.596 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

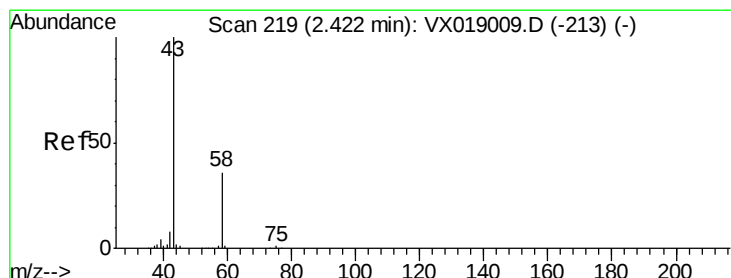
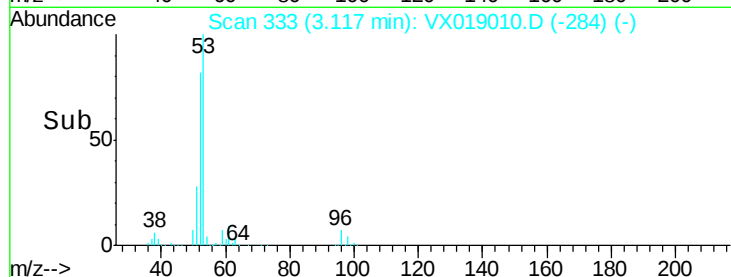
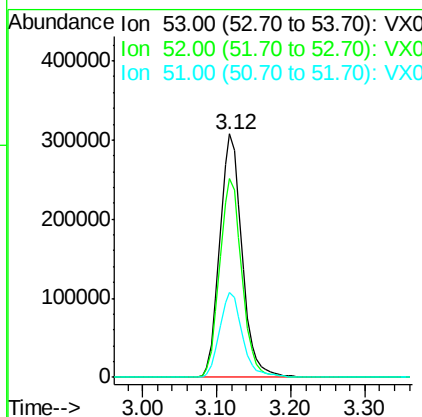
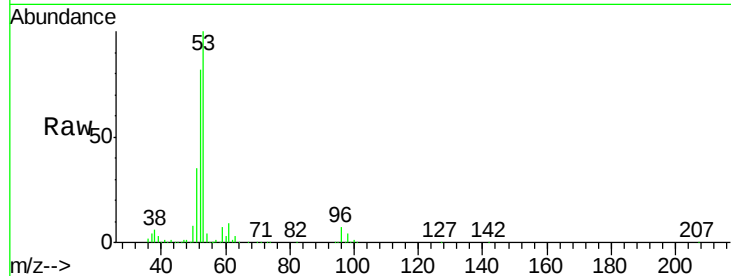
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	637365
Ion Ratio		Lower	Upper
53	100		
52	81.5	65.9	98.9
51	35.5	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 382.921 ug/l

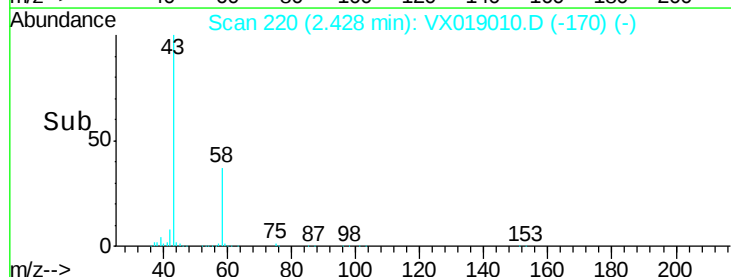
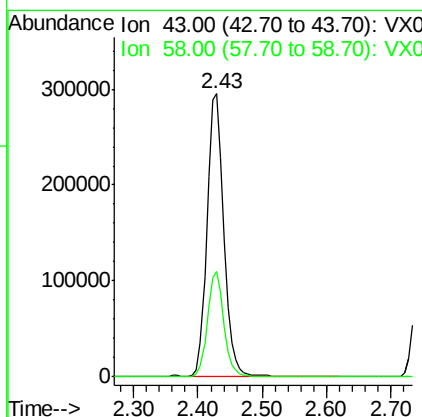
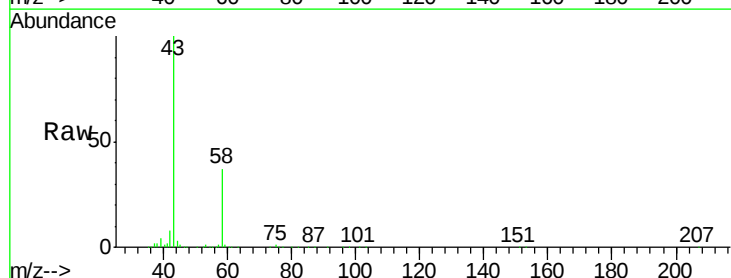
RT: 2.43 min Scan# 220

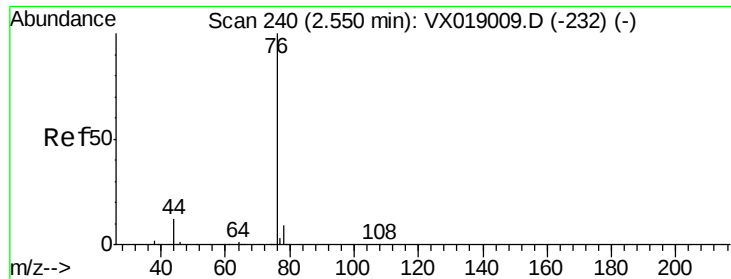
Delta R.T. 0.01 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Tgt Ion:	43	Resp:	534678
Ion Ratio		Lower	Upper
43	100		
58	37.2	28.6	42.8





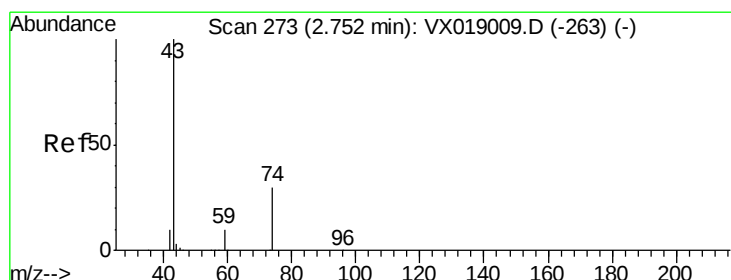
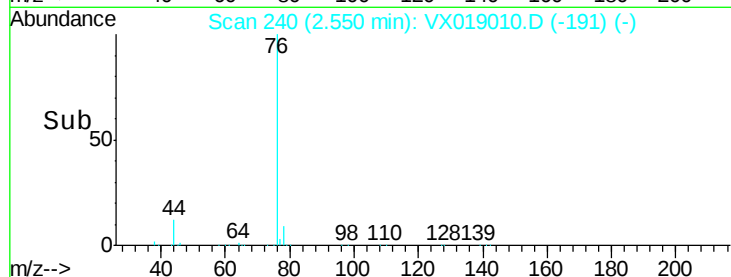
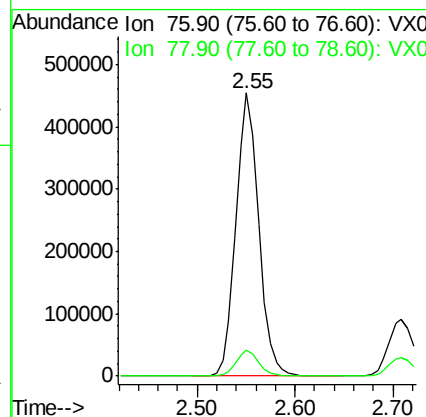
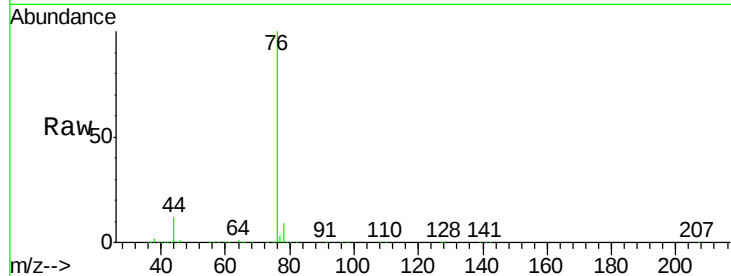
#17
Carbon Disulfide
Concen: 95.333 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

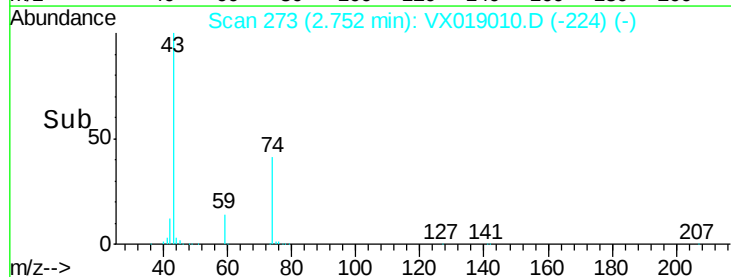
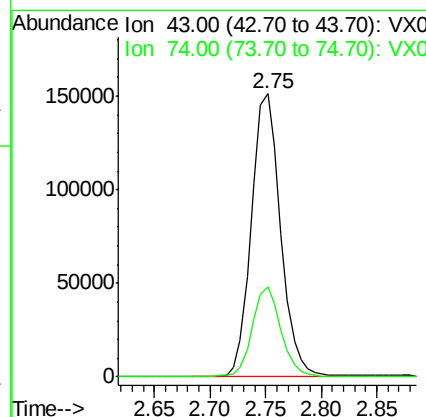
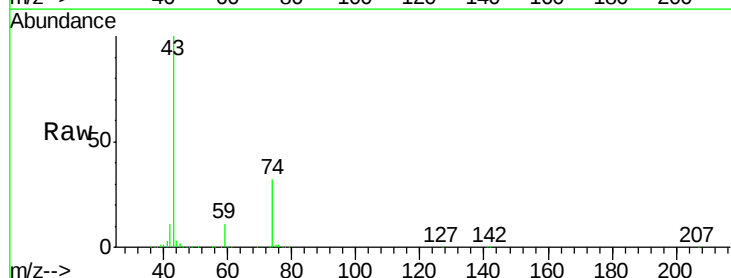
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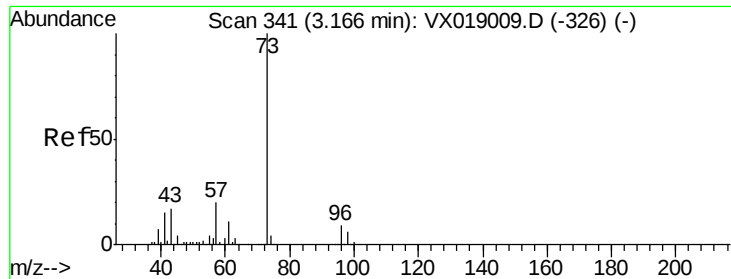
MMDadoda
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#18
Methyl Acetate
Concen: 79.627 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.6	24.9	37.3





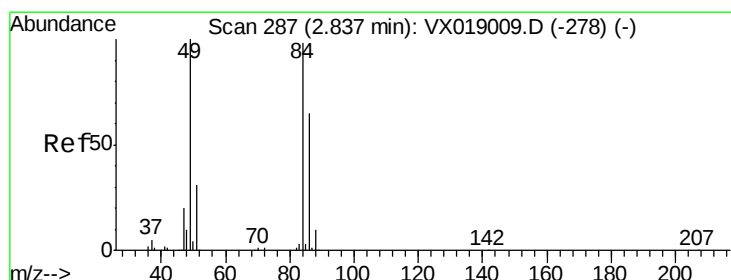
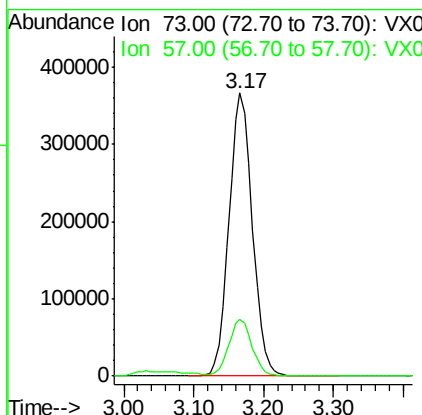
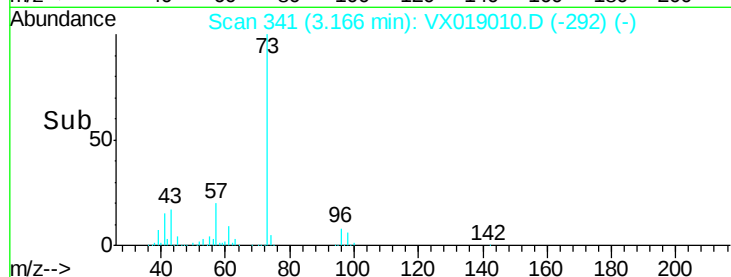
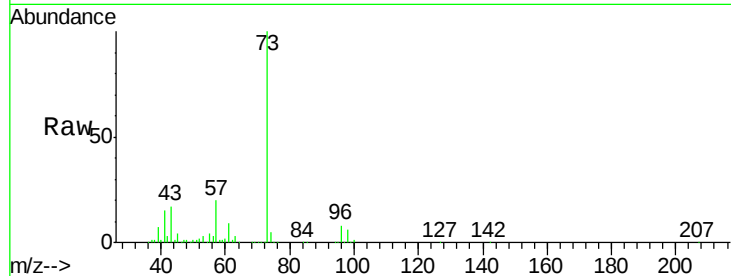
#19
Methyl tert-butyl Ether
Concen: 94.560 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	73	Resp	848644
Ion Ratio	Lower	Upper	
73	100		
57	20.2	16.2	24.2

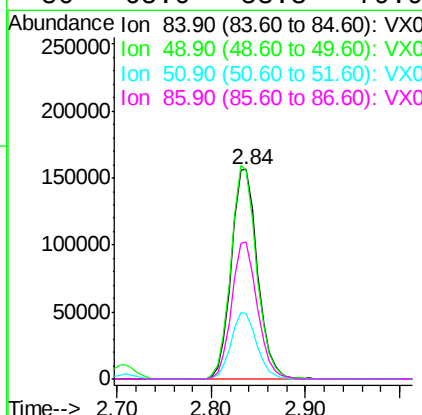
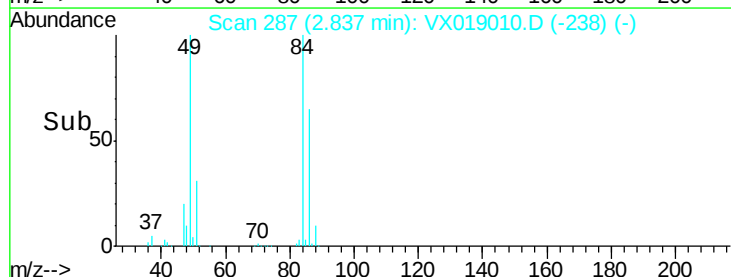
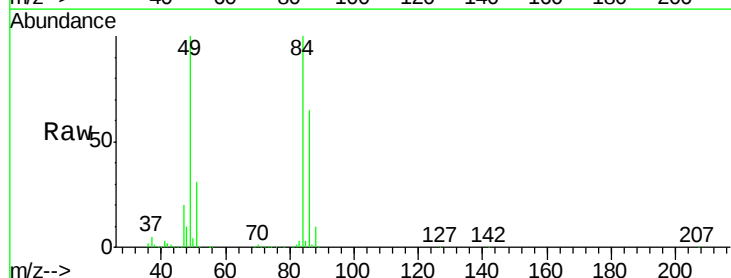
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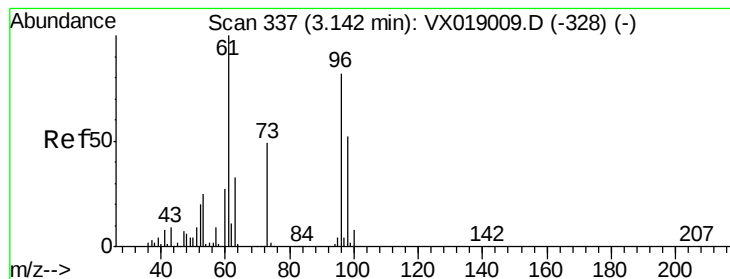
MMDadoda
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#20
Methylene Chloride
Concen: 94.315 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	84	Resp	301573
Ion Ratio	Lower	Upper	
84	100		
49	99.8	81.6	122.4
51	31.3	25.6	38.4
86	65.0	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 99.389 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

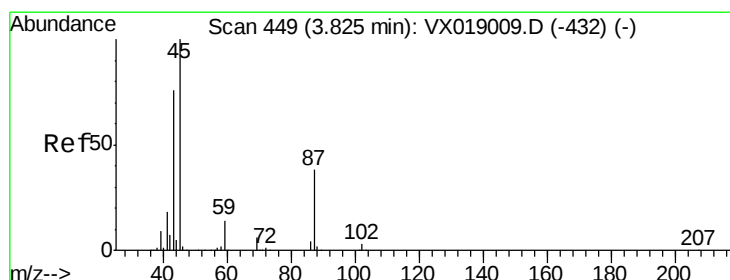
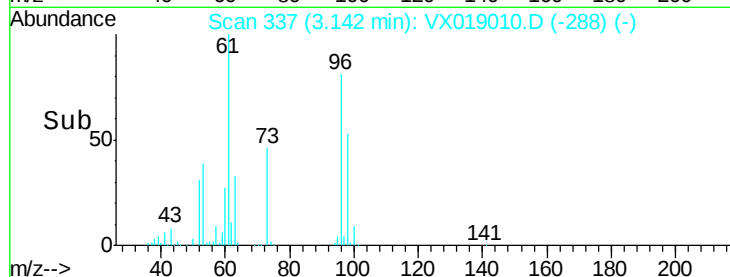
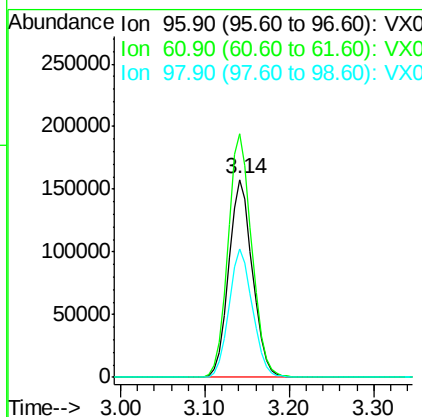
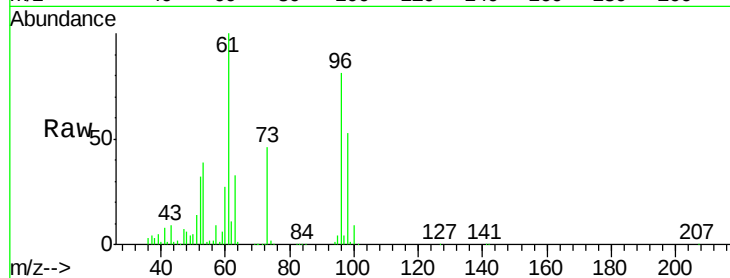
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	301685
Ion	Ratio	Lower	Upper
96	100		
61	122.9	97.8	146.6
98	65.0	50.7	76.1

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#22

Diisopropyl ether

Concen: 75.576 ug/l

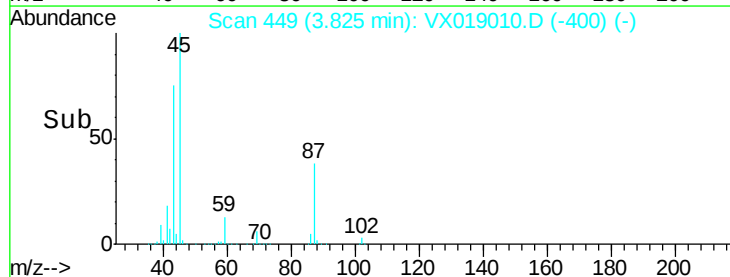
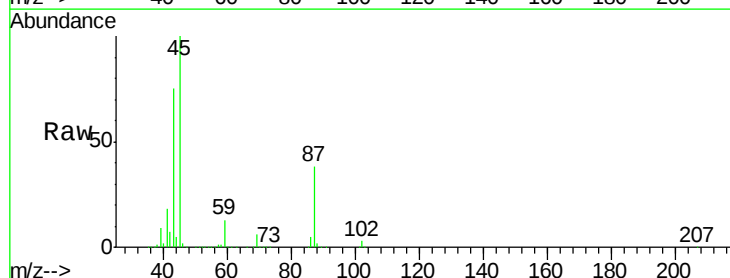
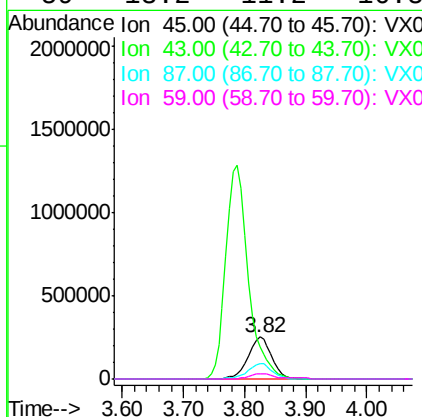
RT: 3.82 min Scan# 449

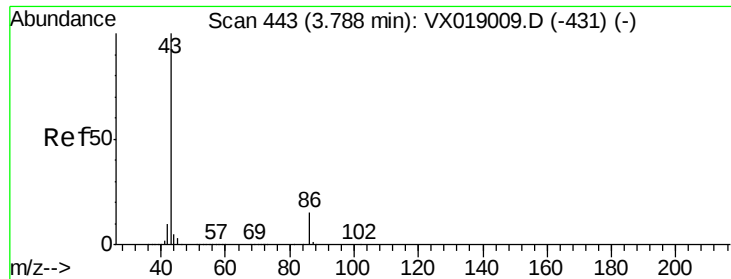
Delta R.T. -0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Tgt Ion:	45	Resp:	681321
Ion	Ratio	Lower	Upper
45	100		
43	75.4	60.4	90.6
87	37.8	30.4	45.6
59	13.2	11.2	16.8





#23

Vinyl Acetate

Concen: 409.010 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3284671

Ion Ratio Lower Upper

43 100

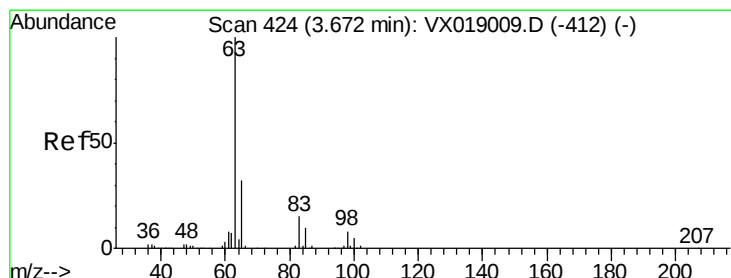
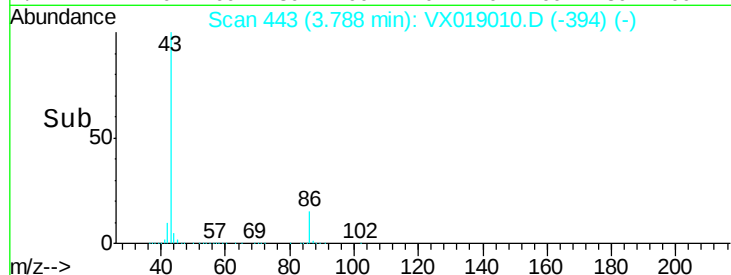
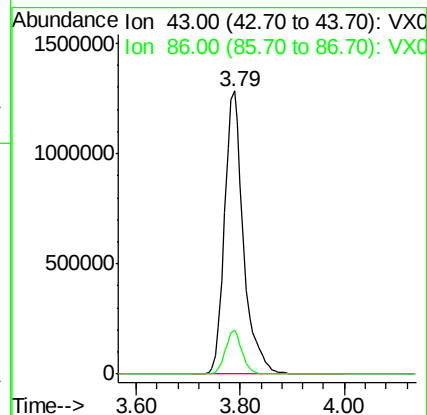
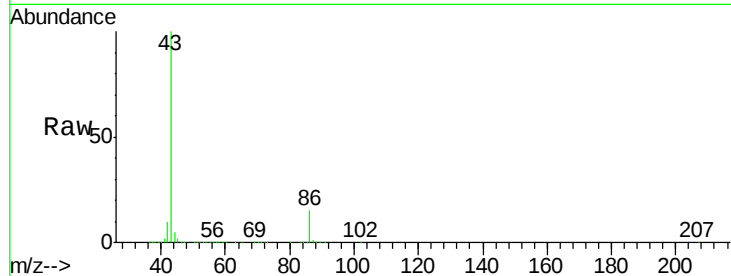
86 15.4 11.7 17.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 91.085 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

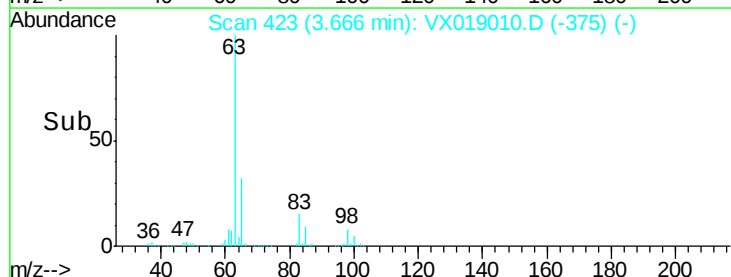
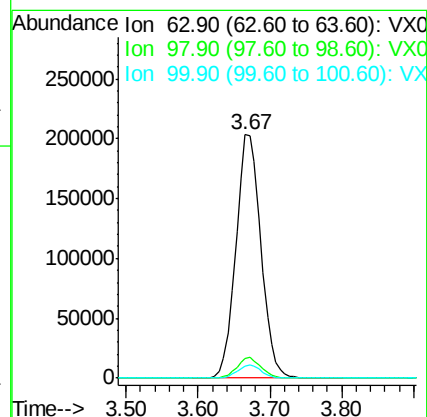
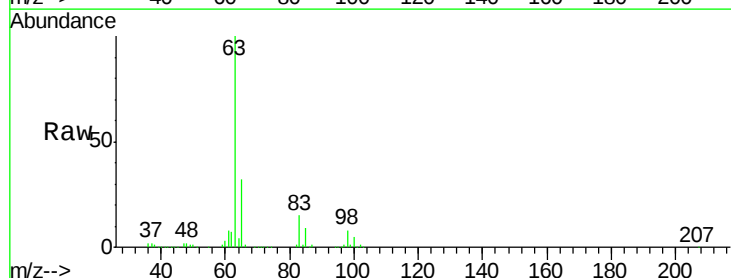
Tgt Ion: 63 Resp: 491095

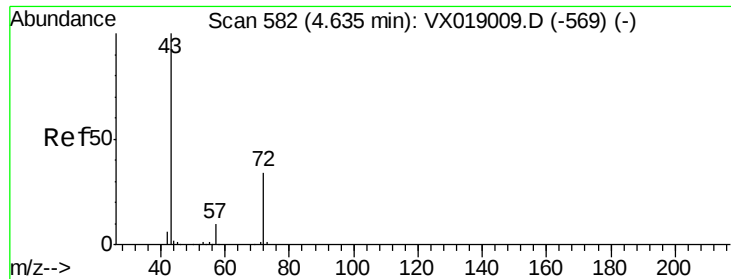
Ion Ratio Lower Upper

63 100

98 7.9 4.0 12.0

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 406.206 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 884362

Ion Ratio Lower Upper

43 100

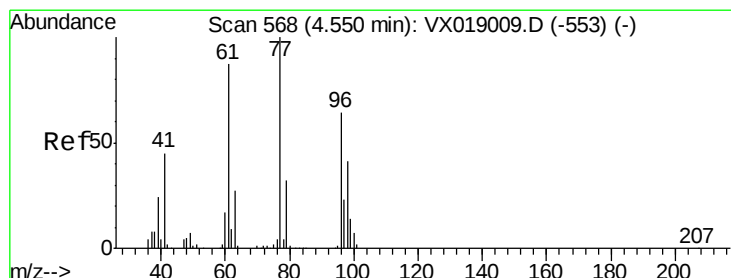
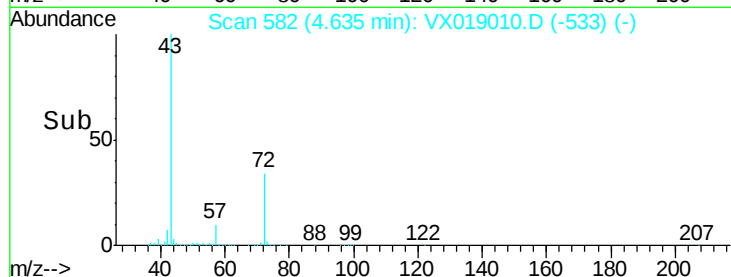
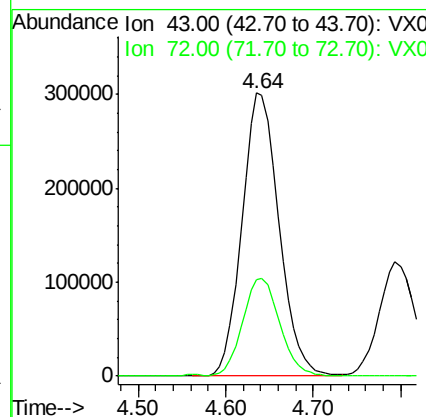
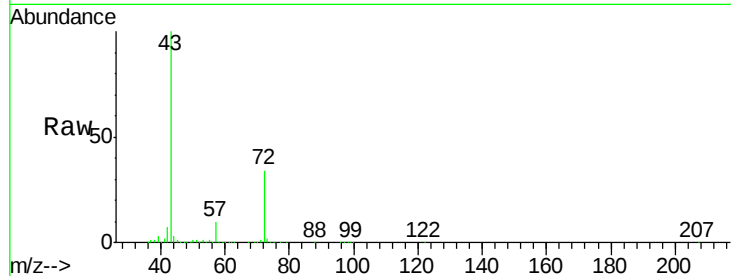
72 34.1 27.8 41.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 90.432 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX019010.D

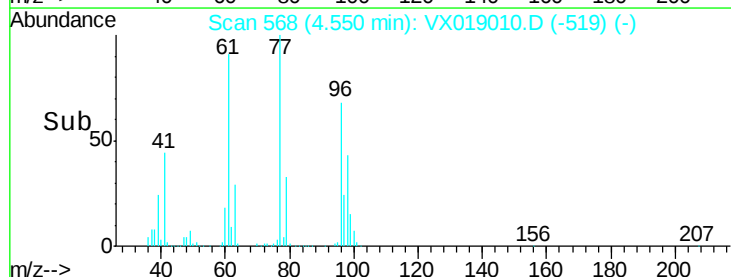
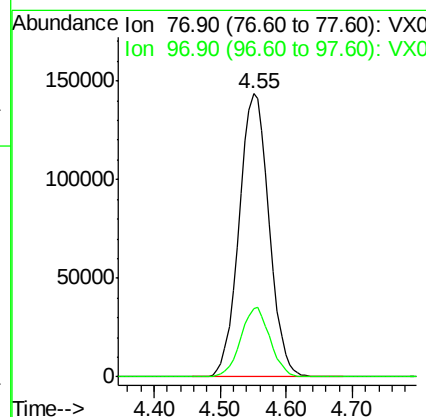
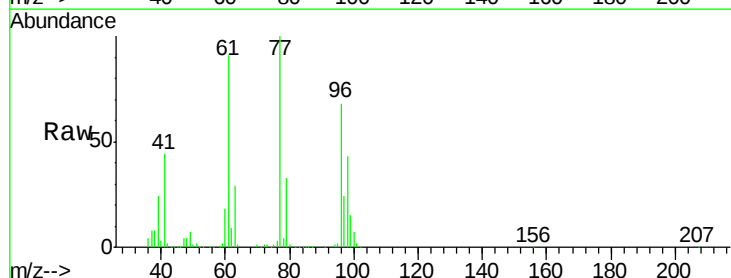
Acq: 21 Oct 2020 19:30

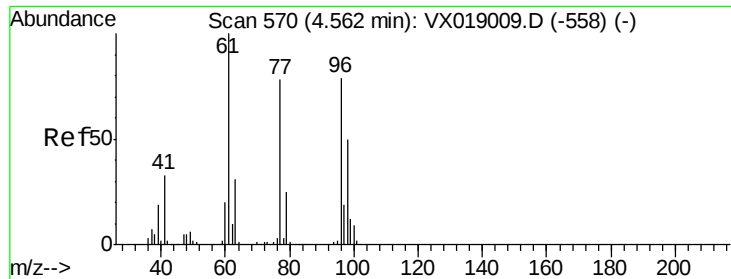
Tgt Ion: 77 Resp: 451410

Ion Ratio Lower Upper

77 100

97 23.9 11.9 35.7





#27

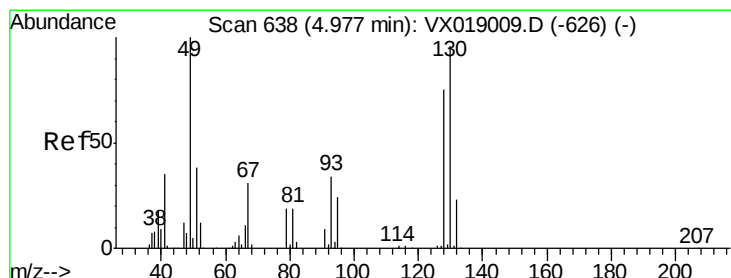
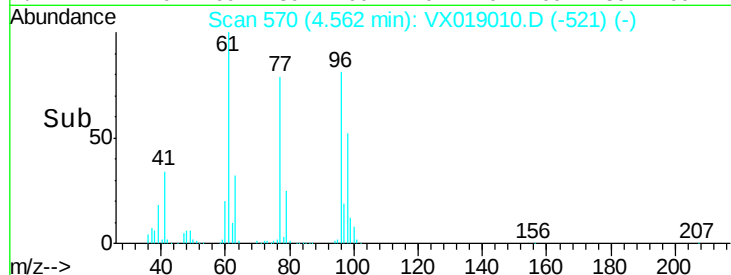
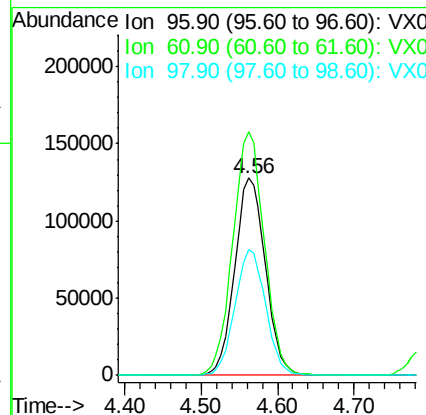
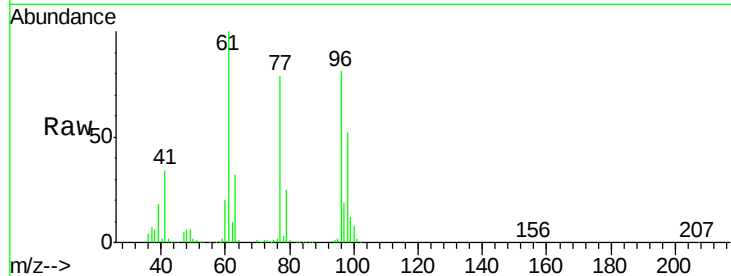
cis-1,2-Dichloroethene
Concen: 104.088 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	127.1	0.0	260.0	
98	63.9	0.0	131.4	

Manual Integrations
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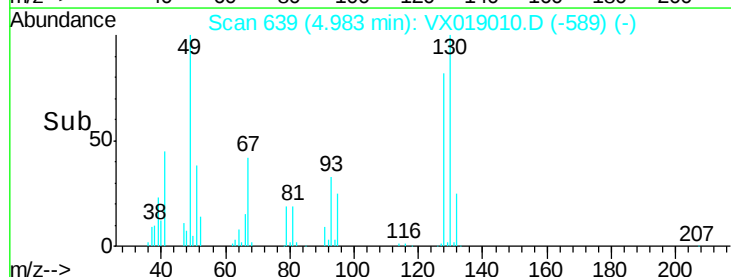
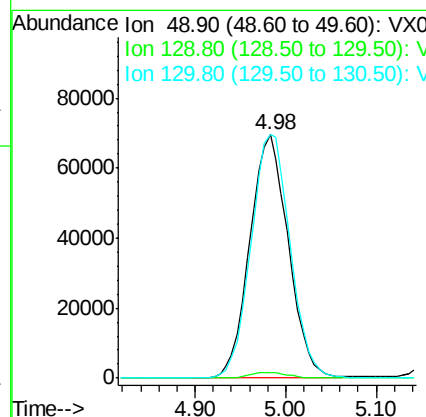
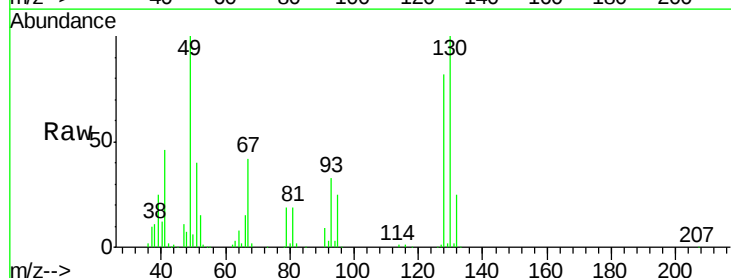
MMDadoda
10/22/2020 1:22:00 PM

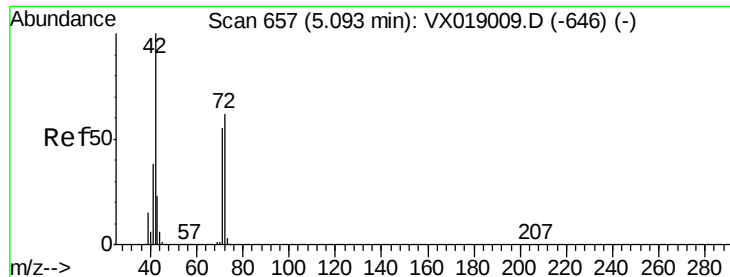


#28

Bromochloromethane
Concen: 82.656 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	5.2	
130	101.9	79.0	118.6	





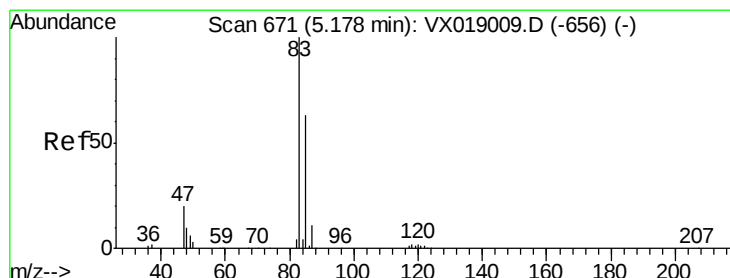
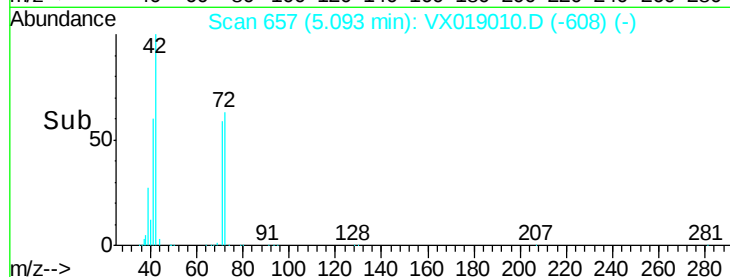
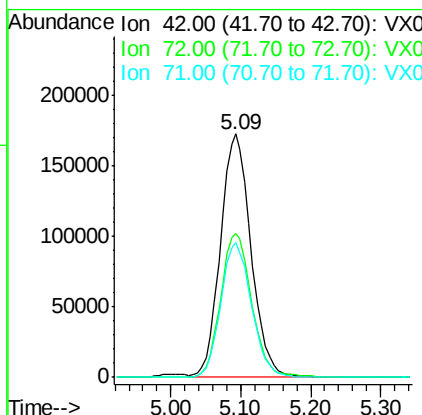
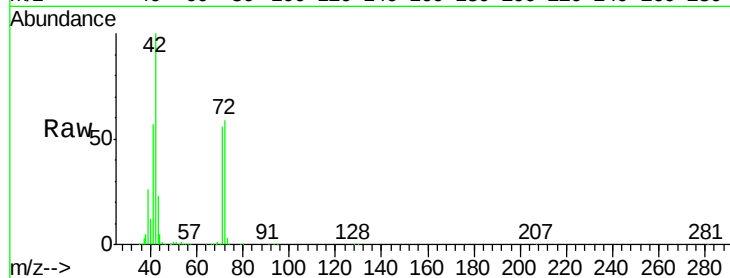
#29
Tetrahydrofuran
Concen: 384.402 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.7	49.1	73.7
71	55.7	44.2	66.4

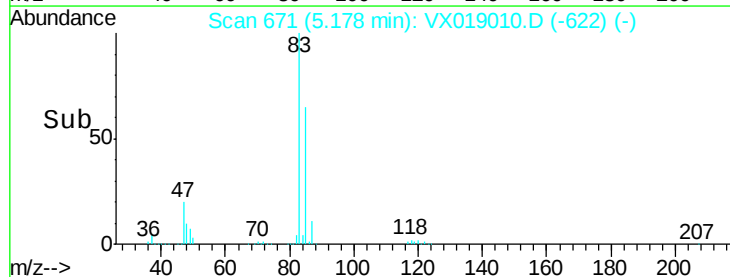
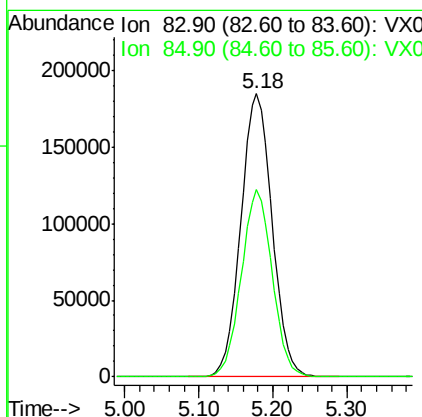
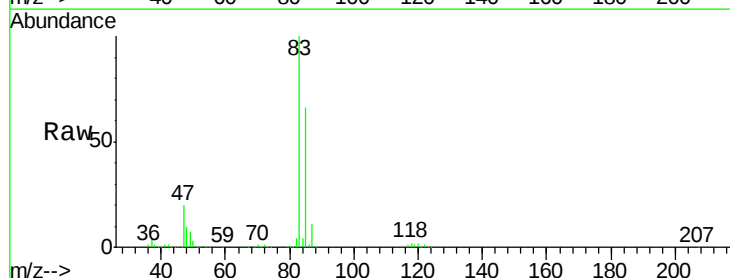
Manual Integrations
APPROVED

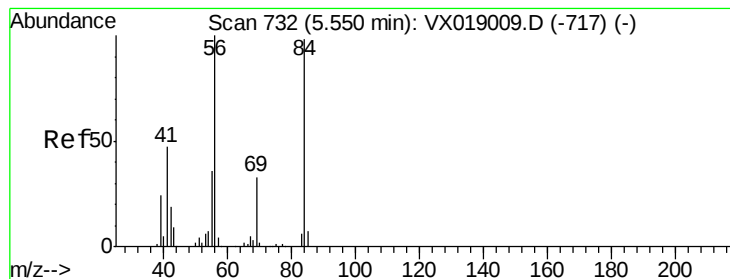
MMDadoda
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#30
Chloroform
Concen: 98.498 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.5	75.7





#31

Cvclohexane

Concen: 85.357 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

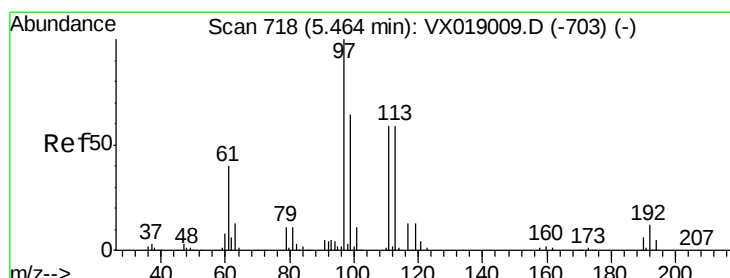
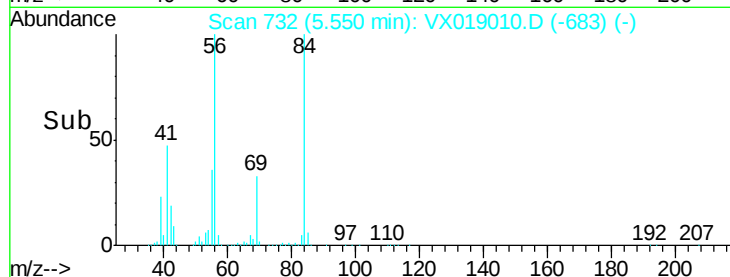
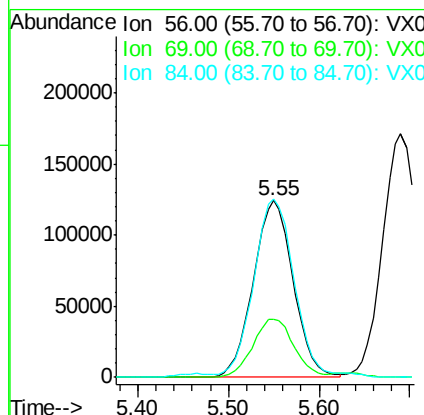
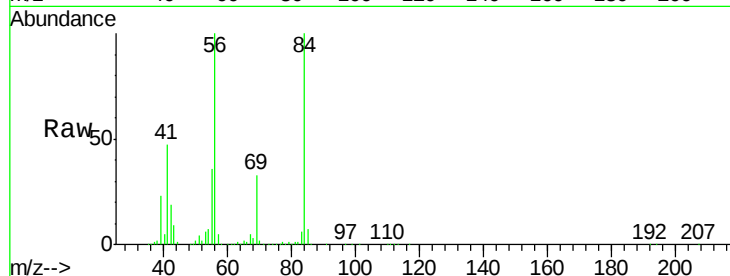
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	378656
Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.2	39.2
84	98.5	78.3	117.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 95.960 ug/l

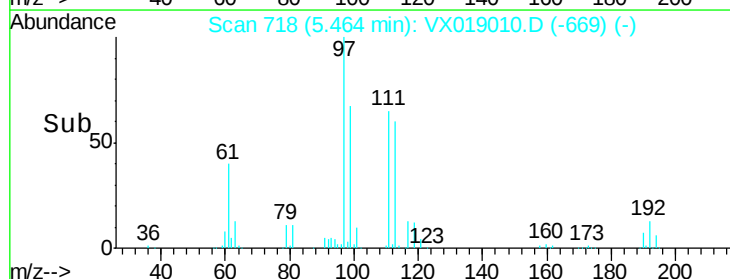
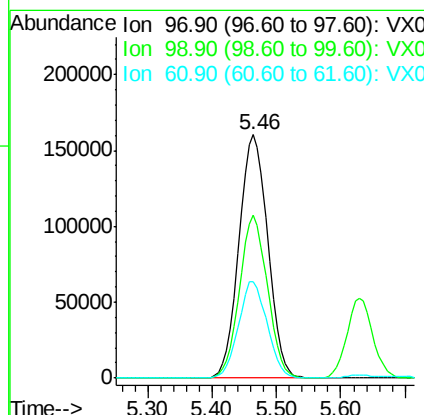
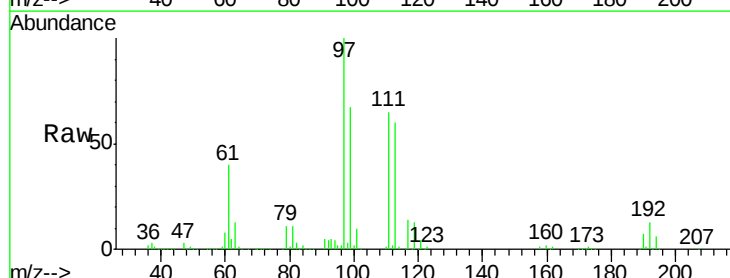
RT: 5.46 min Scan# 718

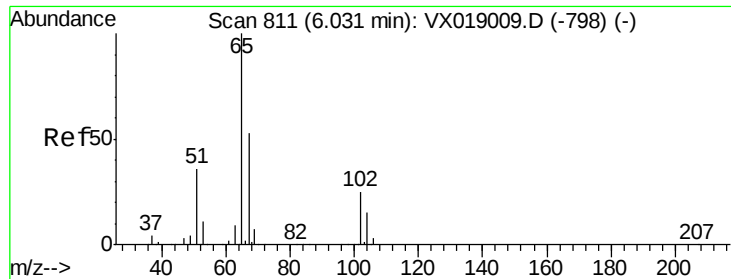
Delta R.T. -0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Tgt Ion:	97	Resp:	494715
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.3	76.9
61	39.6	31.9	47.9





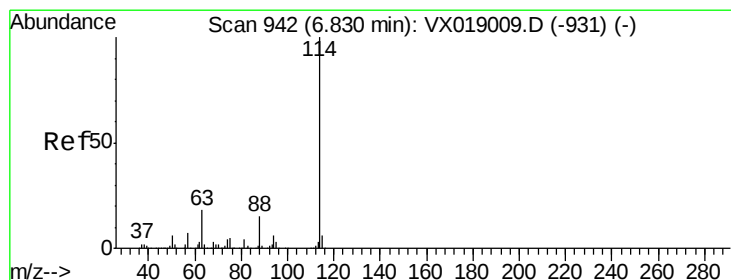
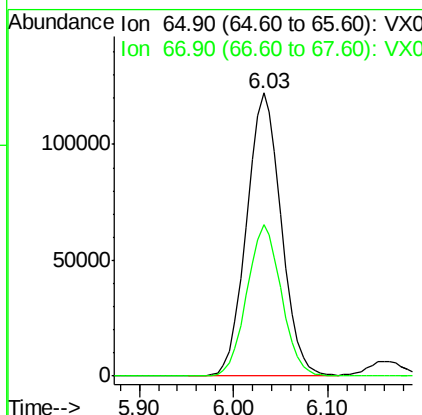
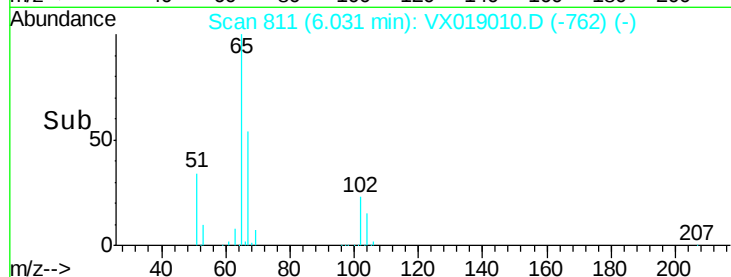
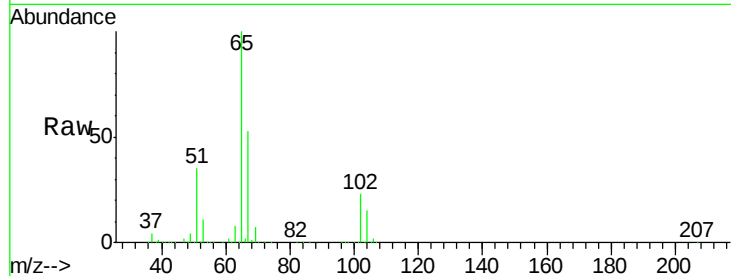
#33
 1,2-Dichloroethane-d4
 Concen: 85.417 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX019010.D
 Acq: 21 Oct 2020 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	315712		
67	53.1	0.0	107.0	

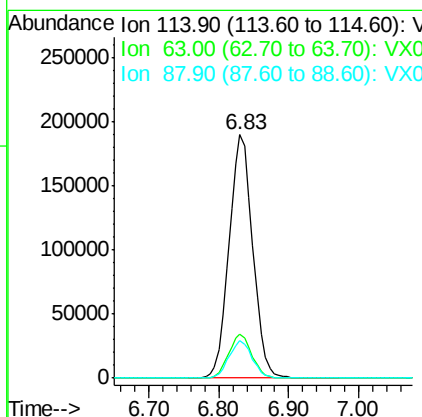
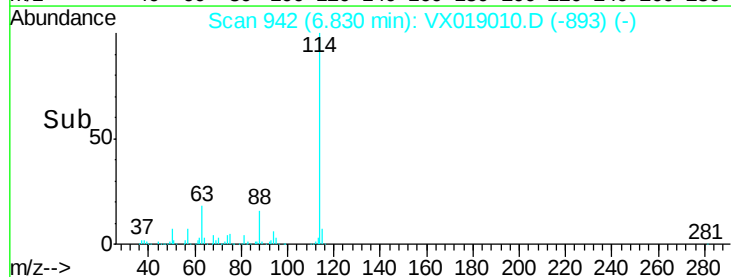
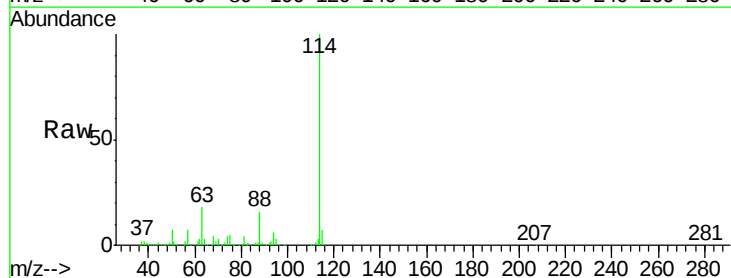
Manual Integrations
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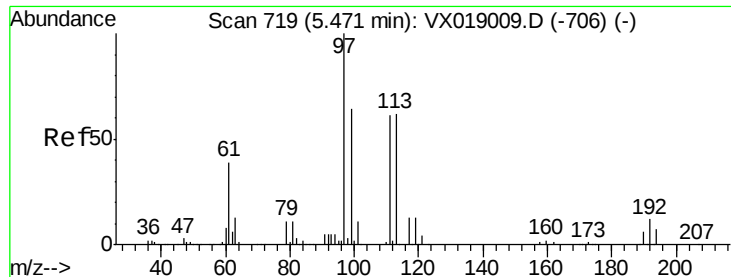
MMDadoda
 10/22/2020 1:22:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019010.D
 Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	445247		
63	18.1	0.0	36.8	
88	15.6	0.0	30.2	





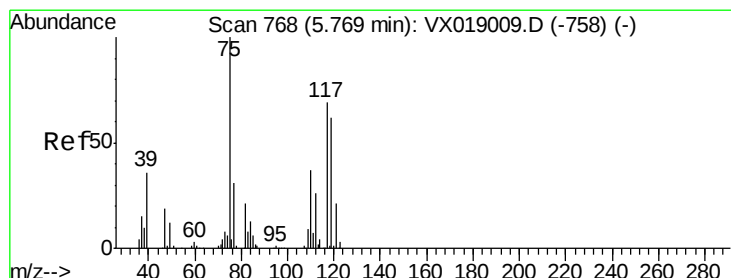
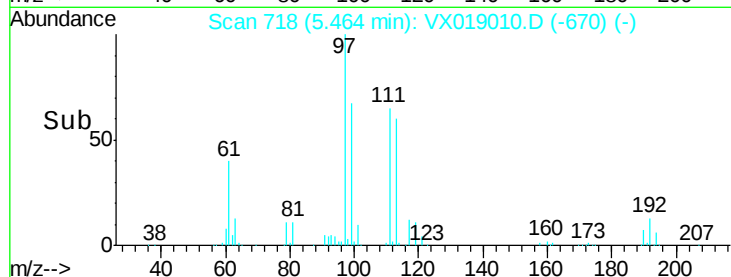
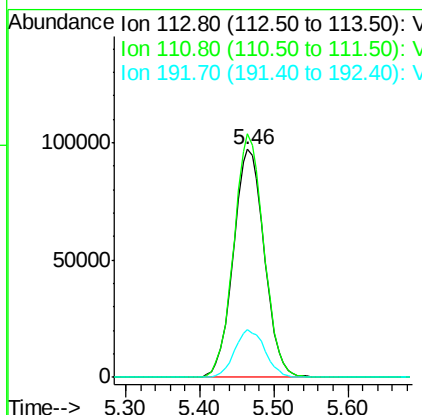
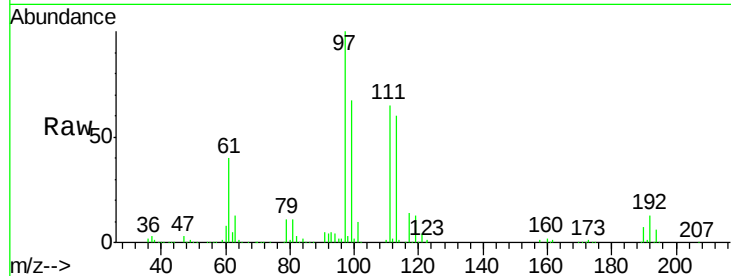
#35
Dibromofluoromethane
Concen: 93.223 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	283166		
111	103.5	81.5	122.3	
192	20.8	16.3	24.5	

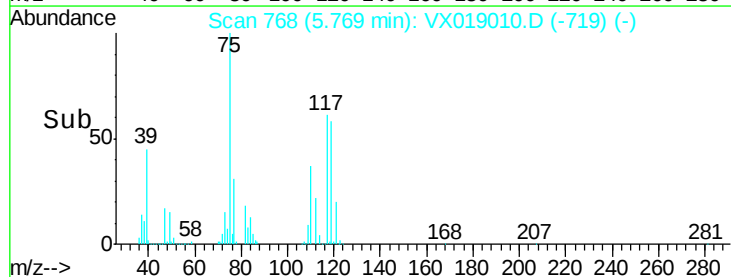
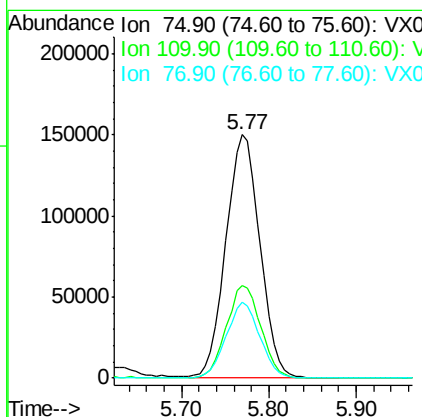
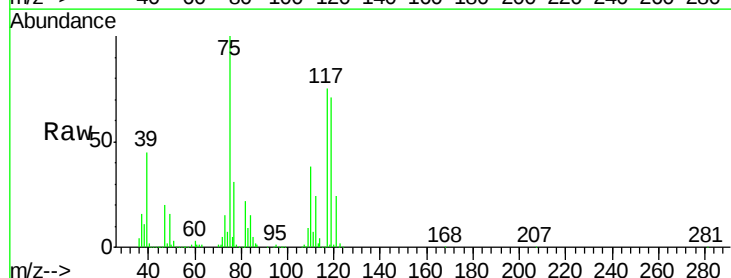
Manual Integrations
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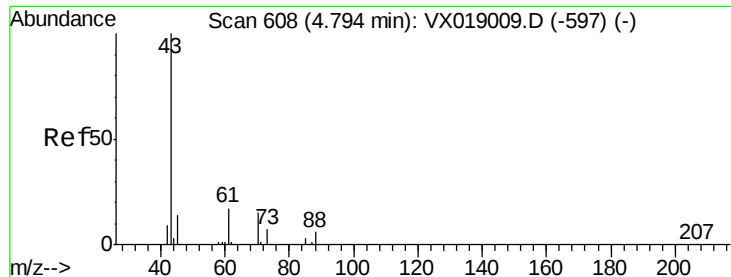
MMDadoda
10/22/2020 1:22:00 PM



#36
1,1-Dichloropropene
Concen: 95.183 ug/l
RT: 5.77 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	405166		
110	38.5	19.4	58.2	
77	30.7	25.2	37.8	





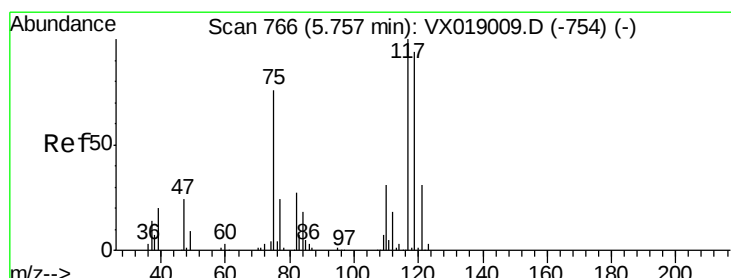
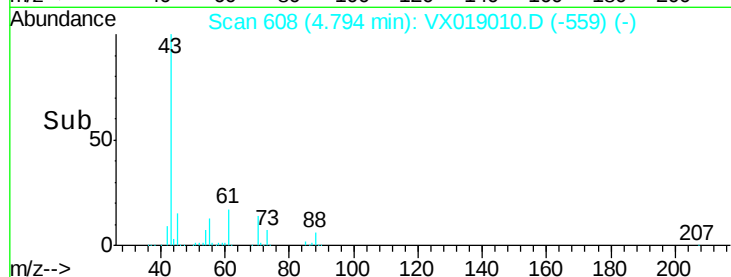
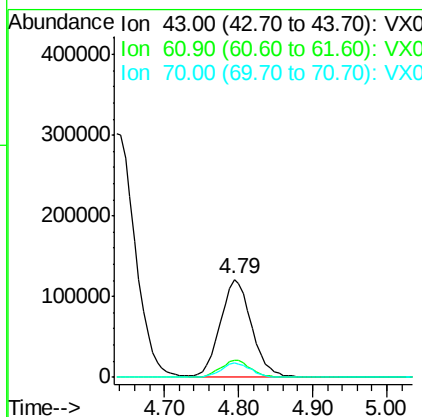
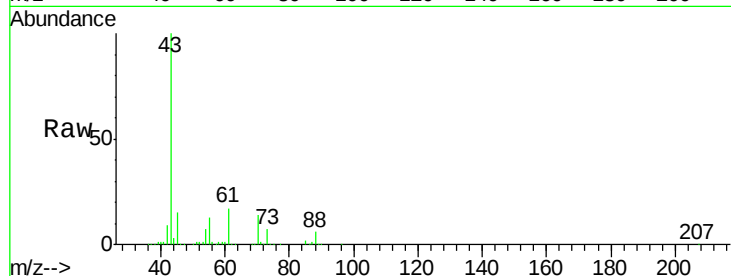
#37
Ethyl Acetate
Concen: 80.107 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	13.8	20.8
70	14.1	11.4	17.2

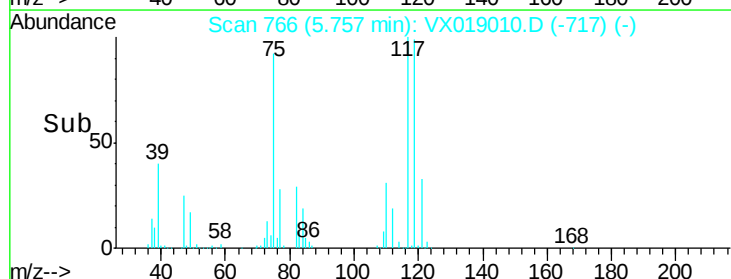
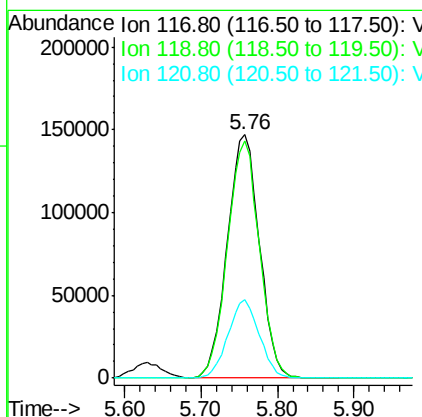
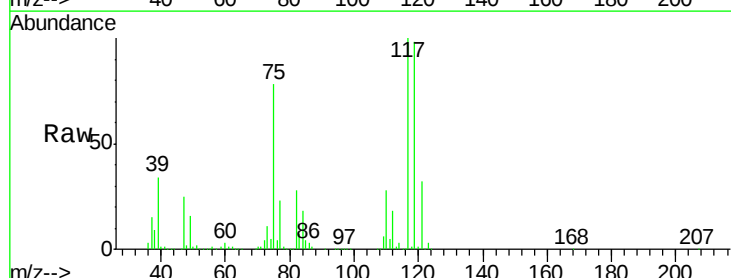
Manual Integrations
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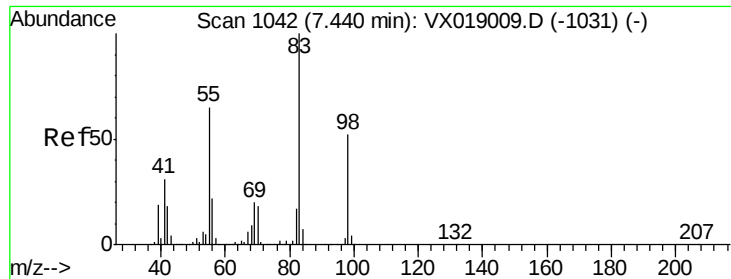
MMDadoda
10/22/2020 1:22:00 PM



#38
Carbon Tetrachloride
Concen: 91.337 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.4	113.0
121	32.5	25.0	37.6





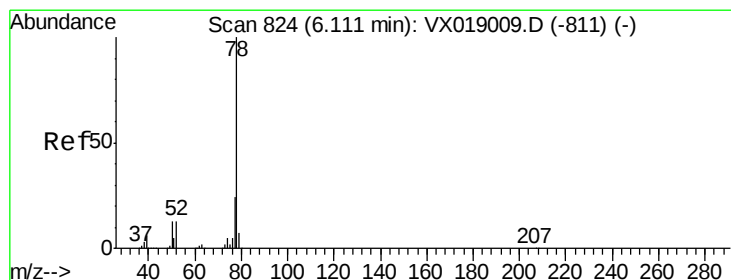
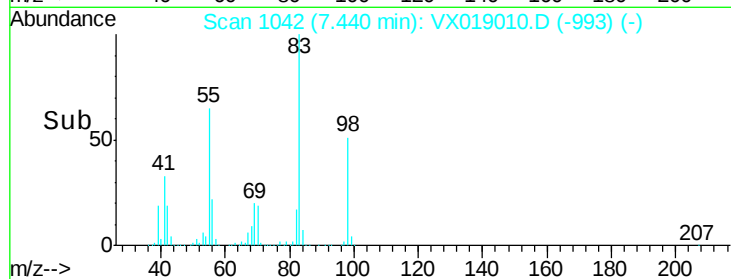
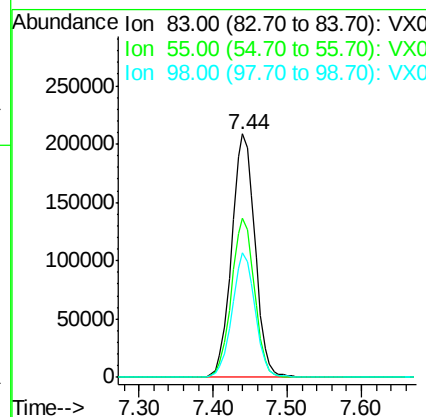
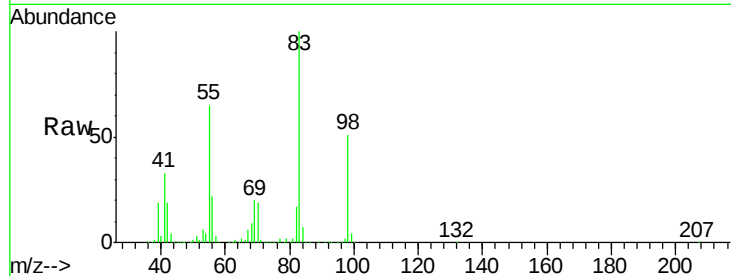
#39
Methvlcvclohexane
Concen: 95.555 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	456978		
55	65.2		51.8	77.6
98	51.0		41.4	62.2

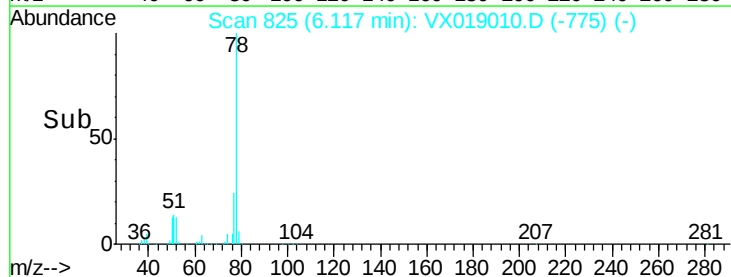
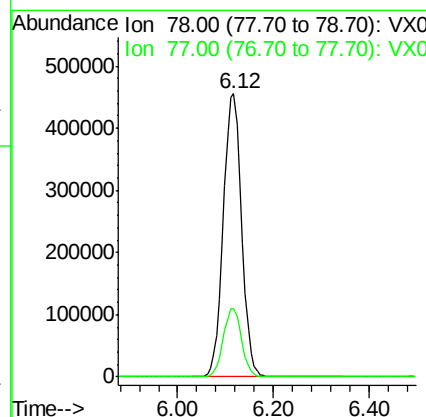
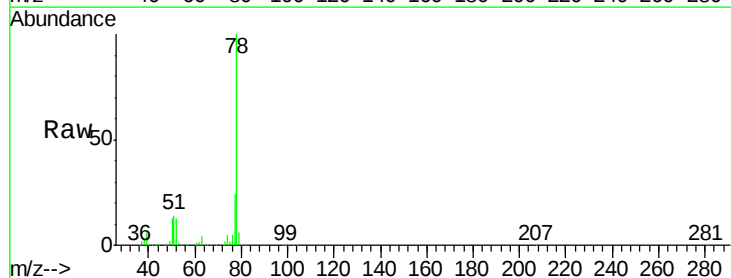
Manual Integrations
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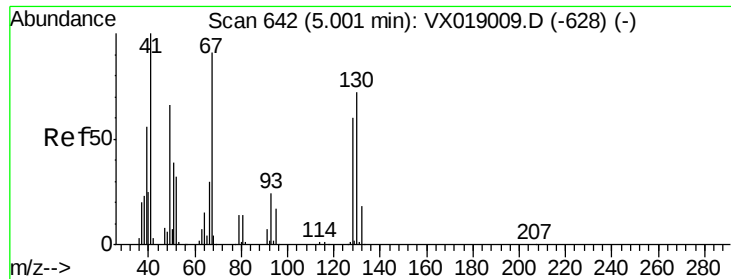
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#40
Benzene
Concen: 97.763 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1203119		
77	24.4		19.3	28.9





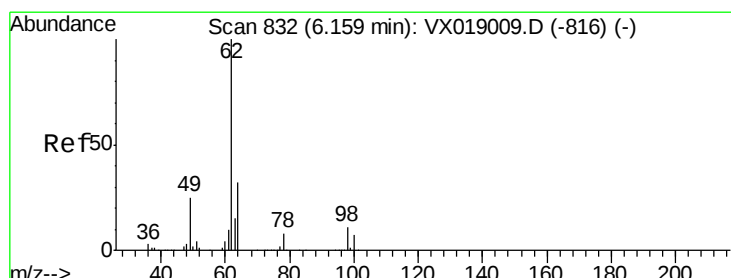
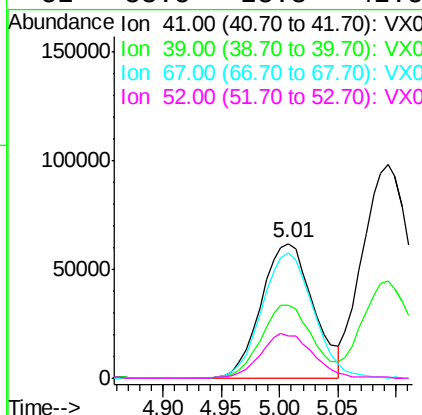
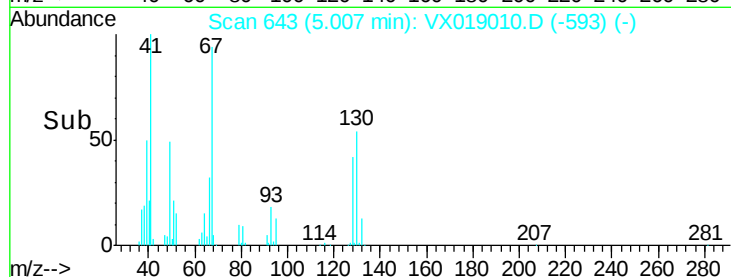
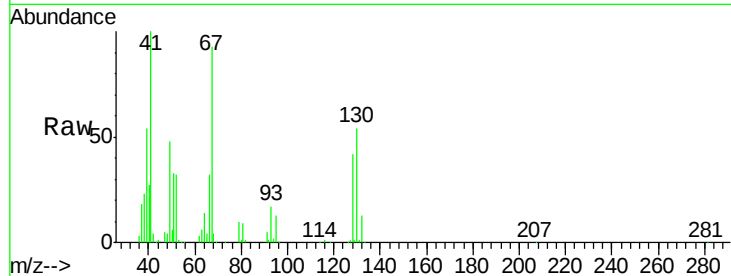
#41
Methacrylonitrile
Concen: 78.506 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
191614	41	100		
	39	53.8	44.6	67.0
	67	92.4	76.1	114.1
	52	33.5	28.3	42.5

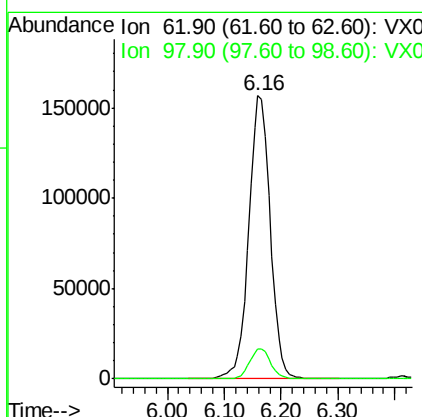
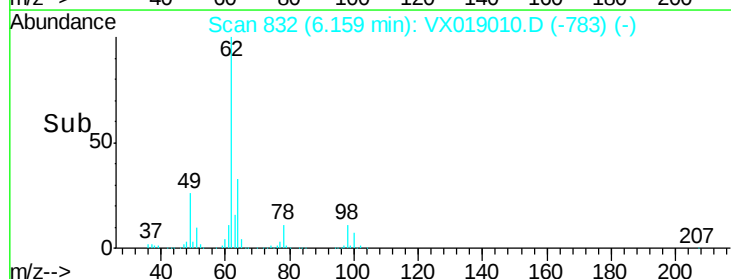
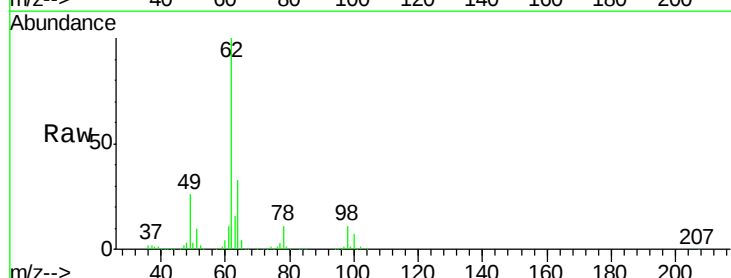
Manual Integrations
APPROVED

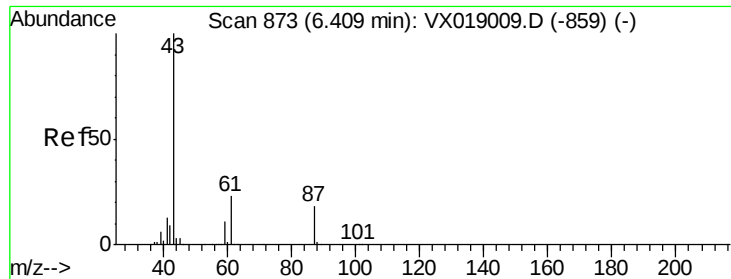
MMDadoda
10/22/2020 1:22:00 PM



#42
1,2-Dichloroethane
Concen: 87.423 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ion	Ratio	Lower	Upper
410839	62	100		
	98	10.4	0.0	20.8





#43

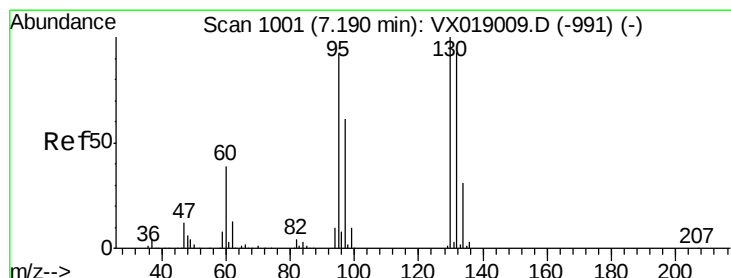
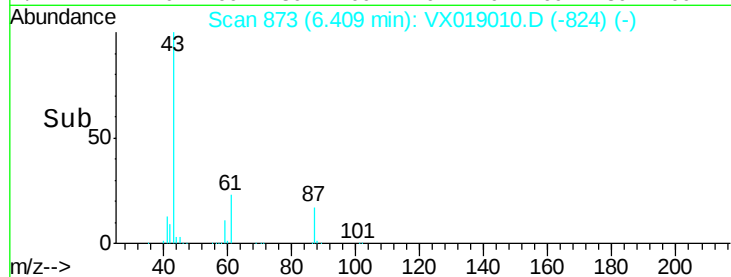
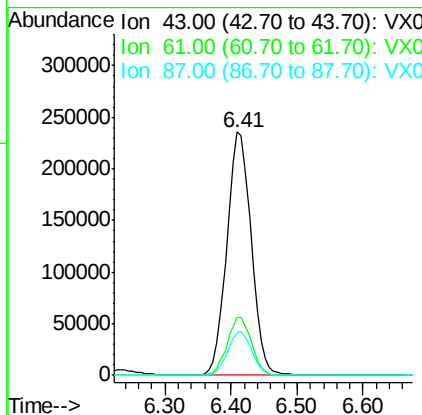
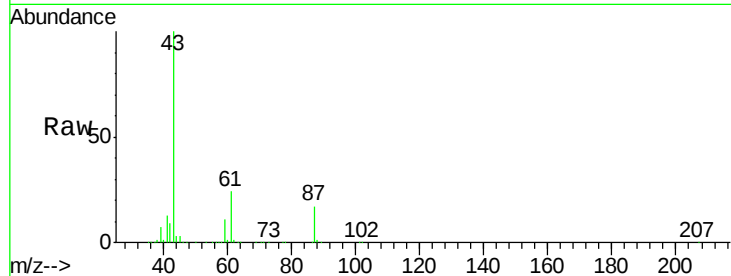
Isopropyl Acetate
 Concen: 81.804 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VX019010.D
 Acq: 21 Oct 2020 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.9	18.7	28.1
87	18.0	14.2	21.4

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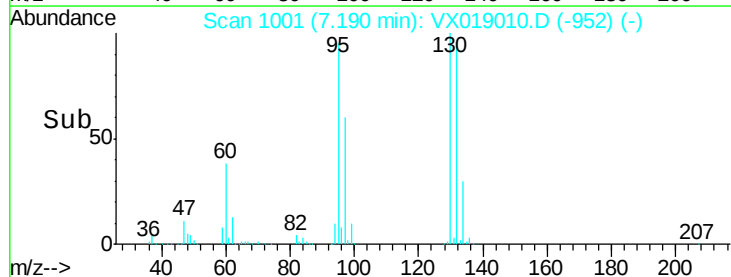
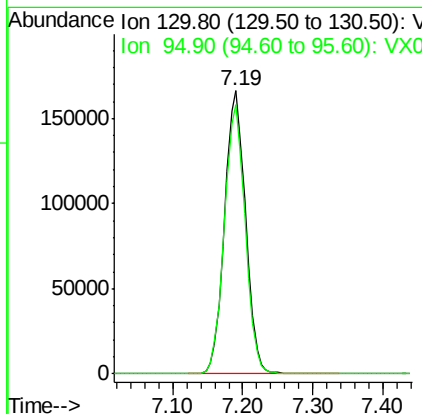
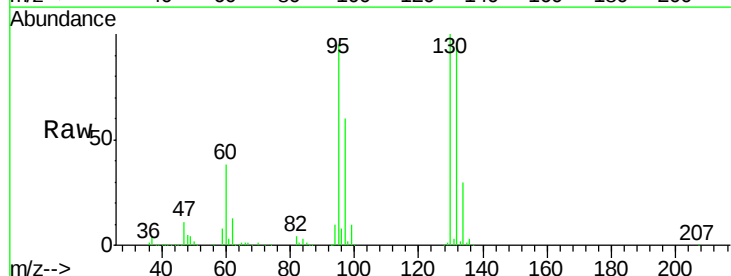
MMDadoda
 10/22/2020 1:22:00 PM

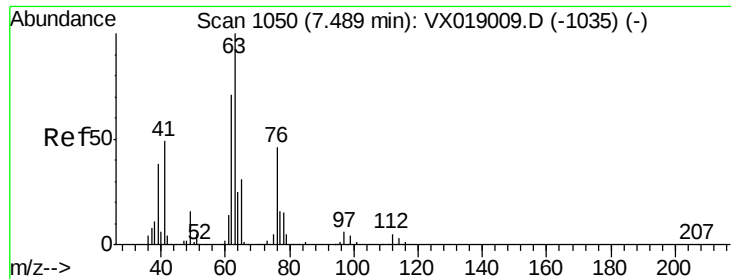


#44

Trichloroethene
 Concen: 97.786 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX019010.D
 Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	184.2





#45

1,2-Dichloropropane

Concen: 87.013 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 288875

Ion Ratio Lower Upper

63 100

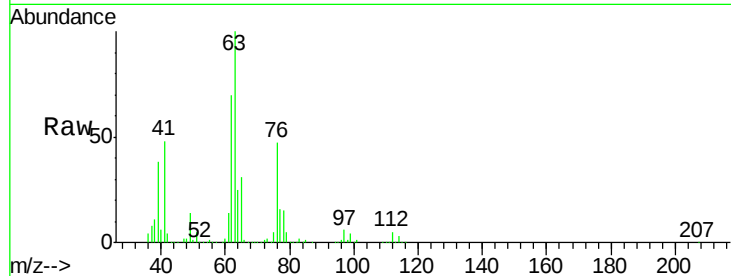
65 31.5 24.9 37.3

Manual Integrations

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10/22/2020 1:22:00 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

150000

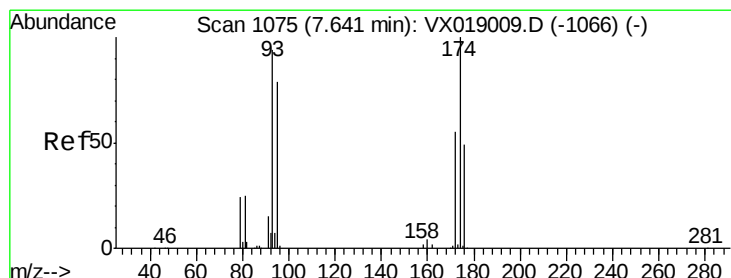
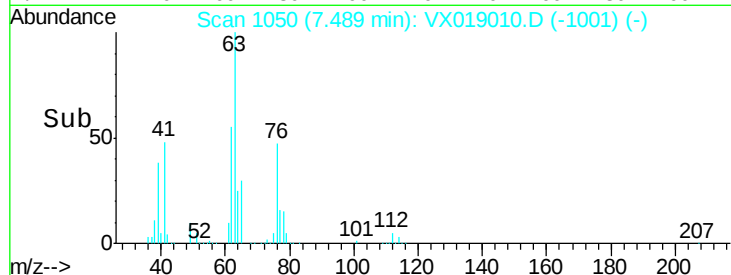
100000

50000

0

7.30 7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 96.589 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

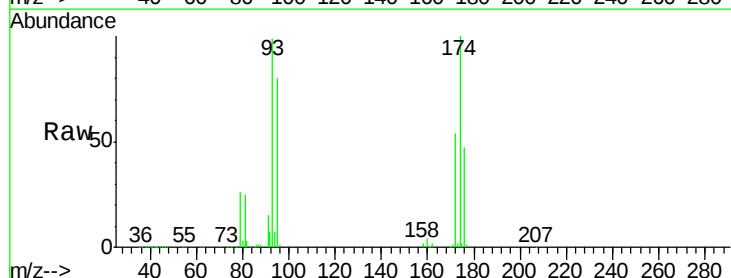
Tgt Ion: 93 Resp: 222465

Ion Ratio Lower Upper

93 100

95 82.3 66.8 100.2

174 104.1 83.8 125.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

150000

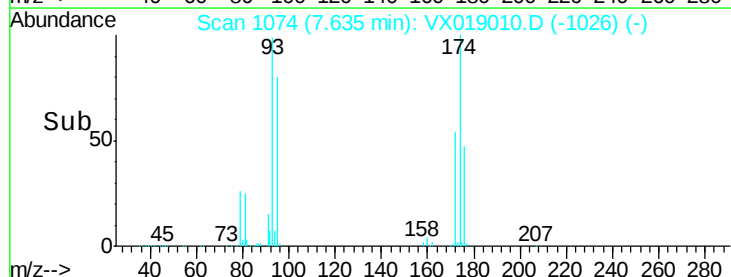
100000

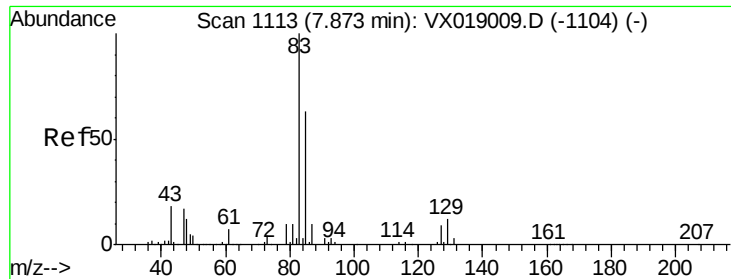
50000

0

7.60 7.70

Time-->





#47

Bromodichloromethane

Concen: 95.179 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

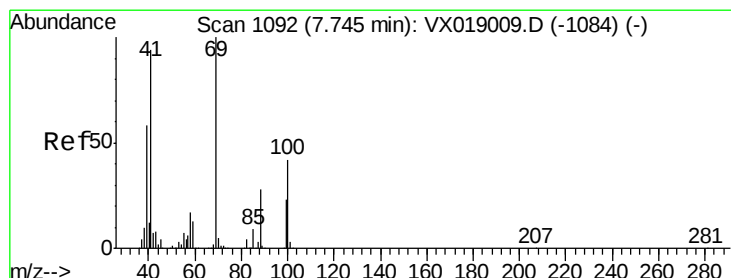
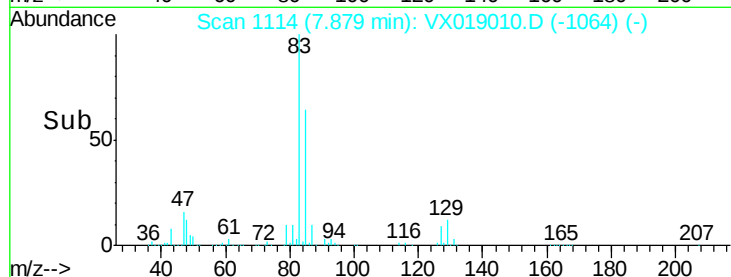
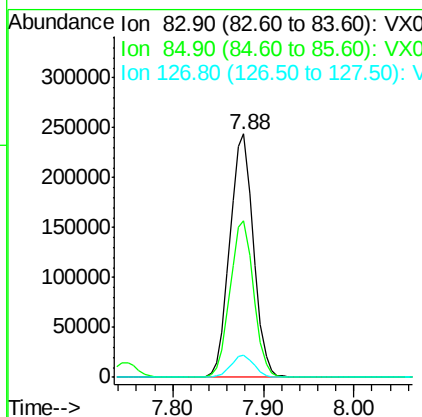
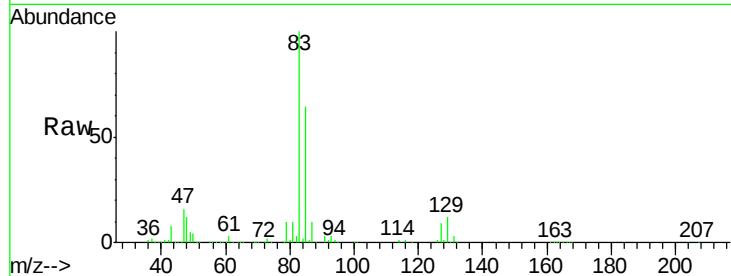
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	441286
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.7	76.1
127	8.9	6.8	10.2

Manual Integrations
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10/22/2020 1:22:00 PM



#48

Methyl methacrylate

Concen: 80.265 ug/l

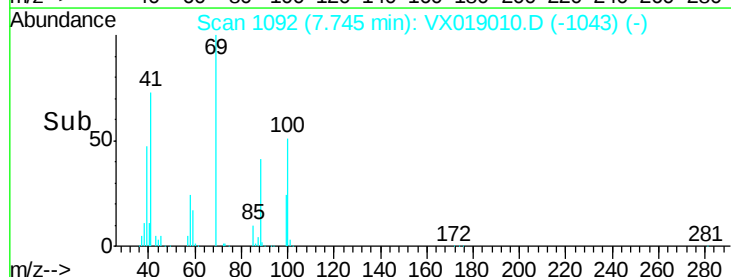
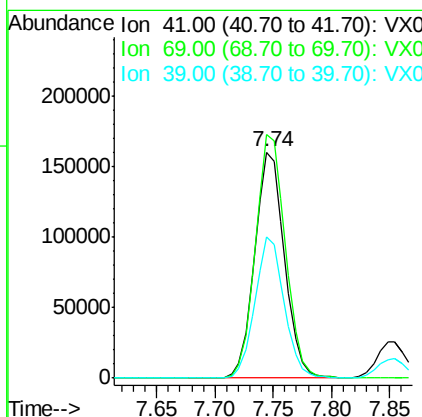
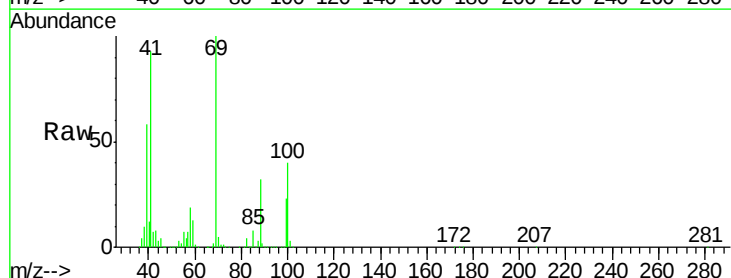
RT: 7.74 min Scan# 1092

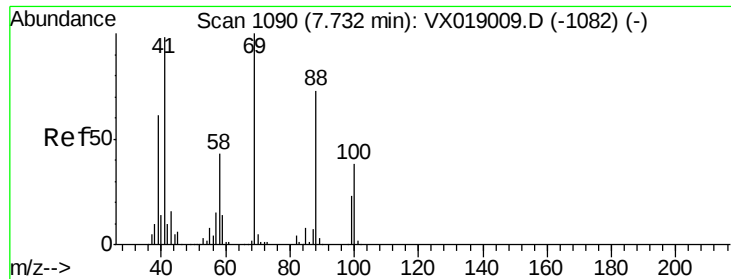
Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Tgt Ion:	41	Resp:	284832
Ion Ratio	Lower	Upper	
41	100		
69	108.5	85.5	128.3
39	61.4	49.3	73.9





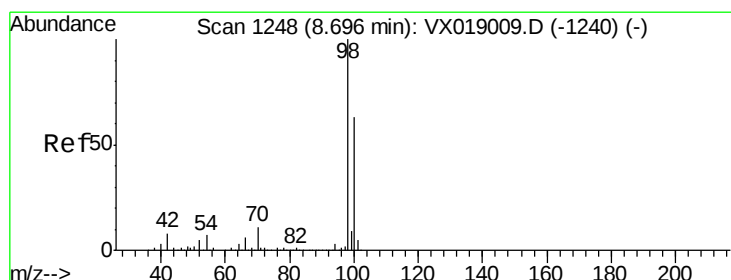
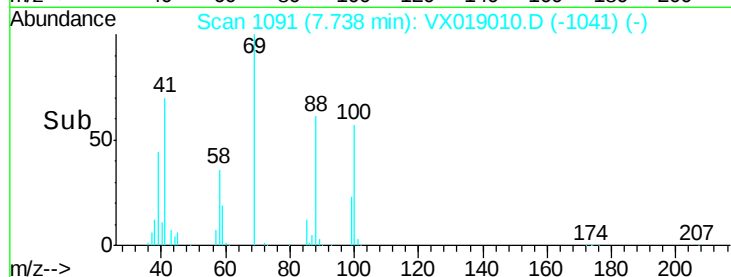
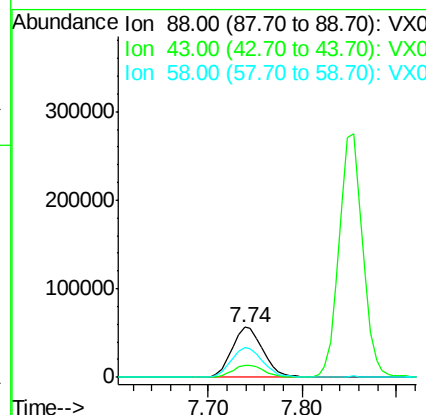
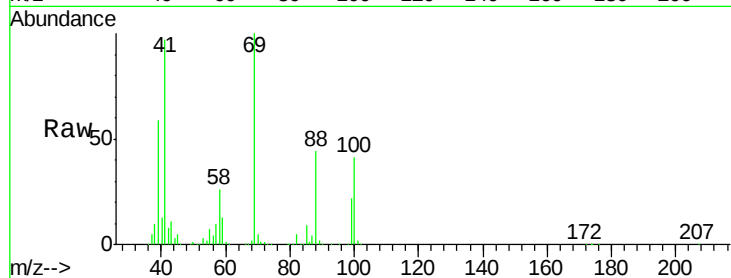
#49
1,4-Dioxane
Concen: 2106.373 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	24.5	20.3	30.5	
58	59.9	48.4	72.6	

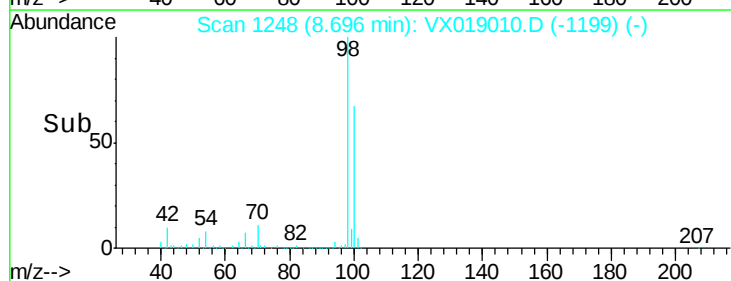
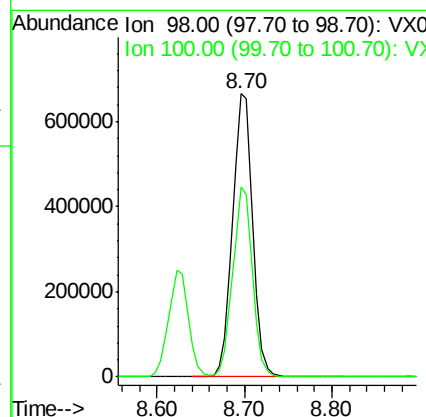
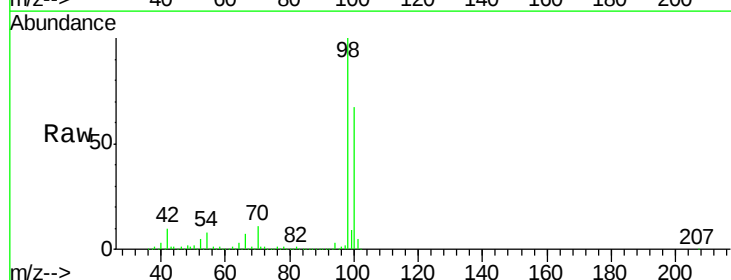
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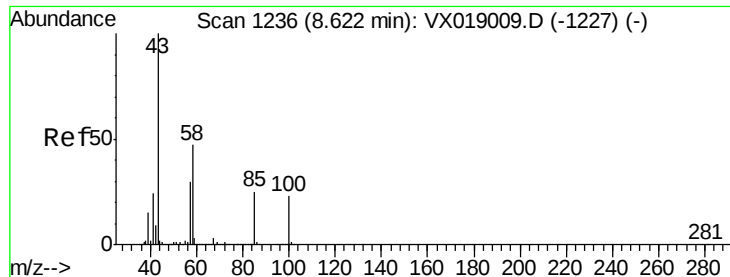
MMDadoda
10/22/2020 1:22:00 PM



#50
Toluene-d8
Concen: 95.868 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.1	52.1	78.1	





#51

4-Methyl-2-Pentanone

Concen: 402.431 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1755464

Ion Ratio Lower Upper

43 100

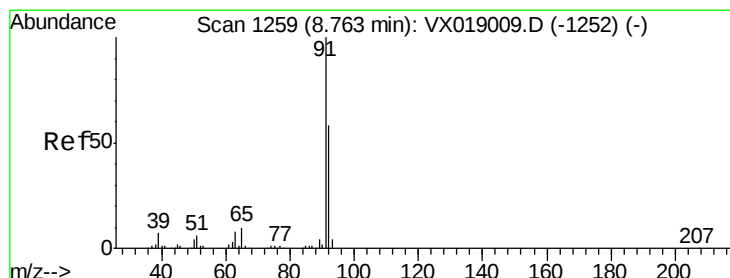
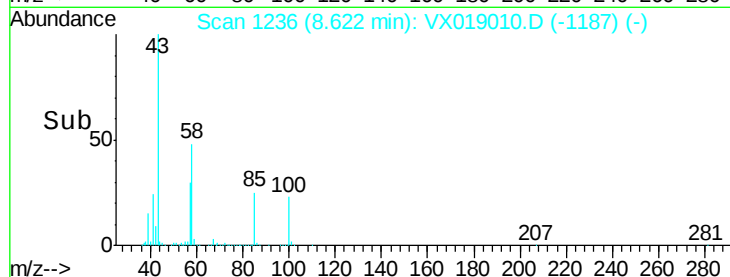
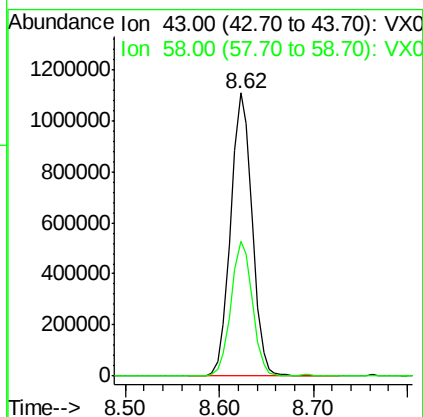
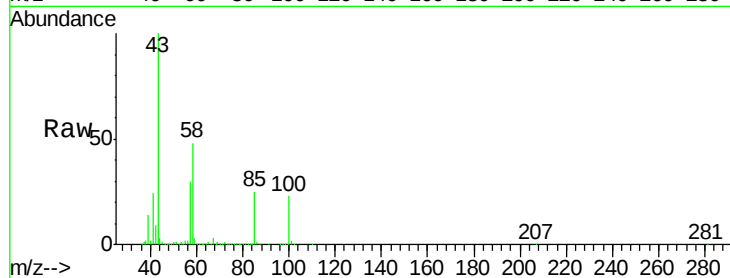
58 47.3 37.4 56.0

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#52

Toluene

Concen: 102.415 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX019010.D

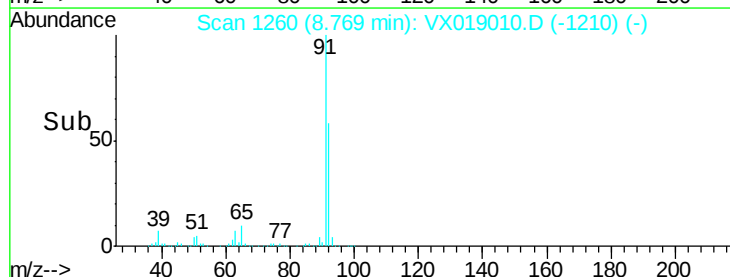
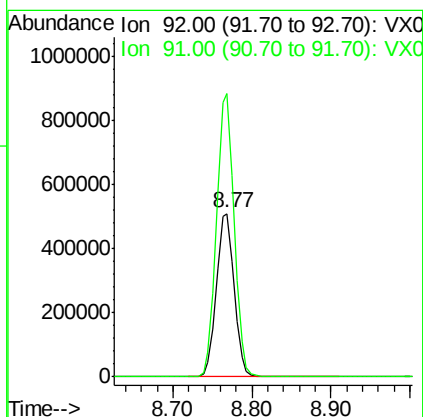
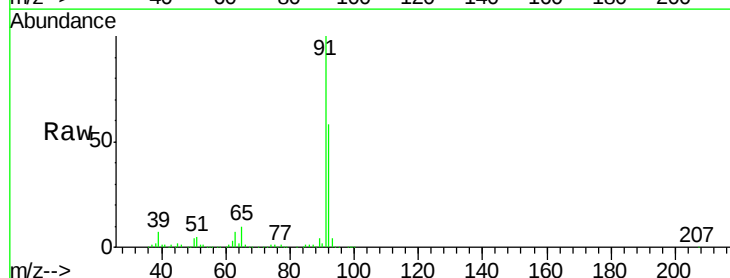
Acq: 21 Oct 2020 19:30

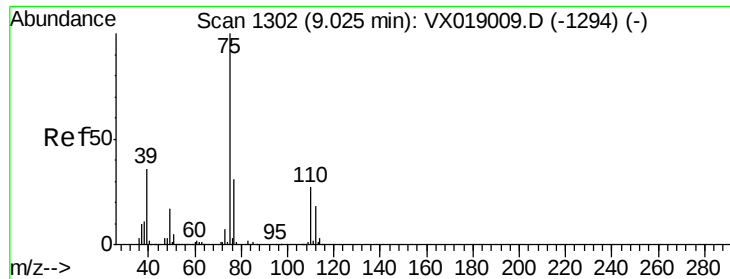
Tgt Ion: 92 Resp: 800354

Ion Ratio Lower Upper

92 100

91 172.5 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 95.538 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 502825

Ion Ratio Lower Upper

75 100

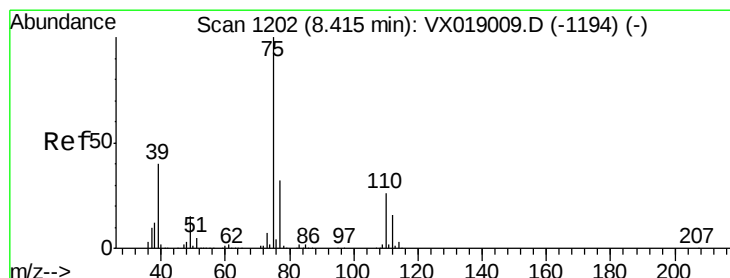
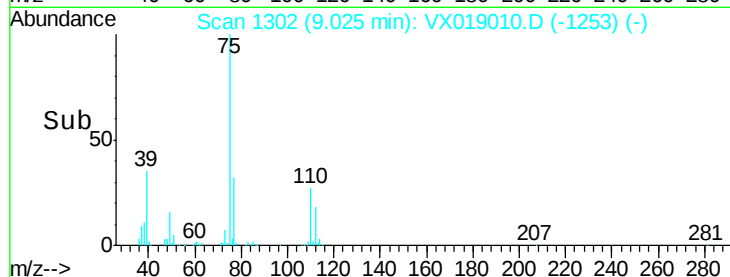
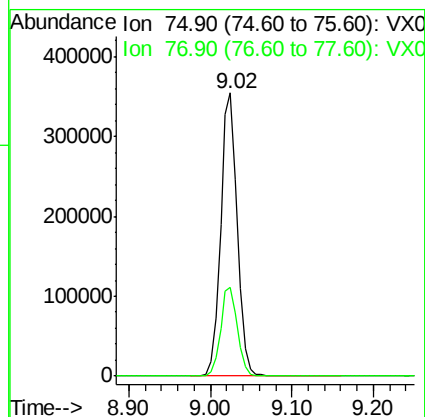
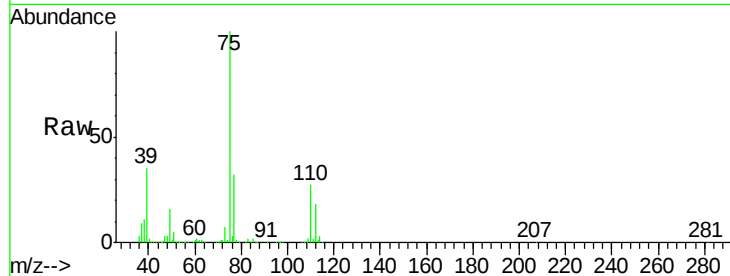
77 31.5 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 97.199 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

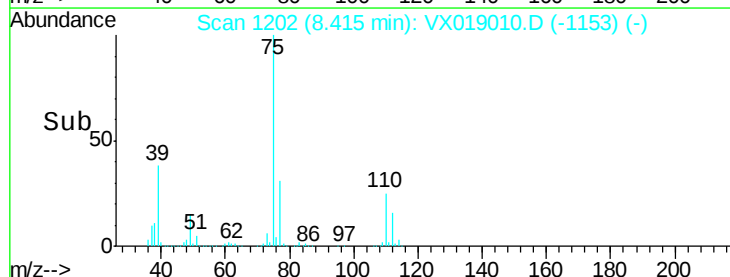
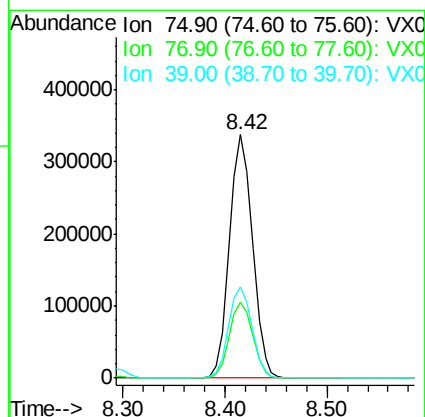
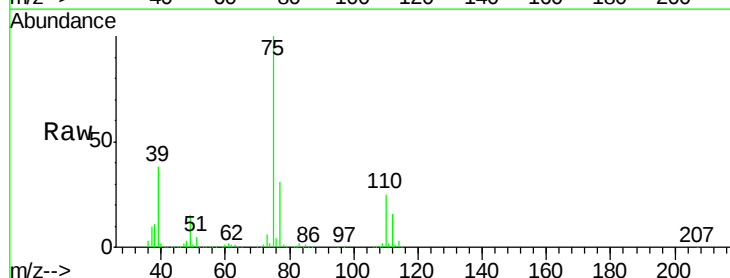
Tgt Ion: 75 Resp: 527614

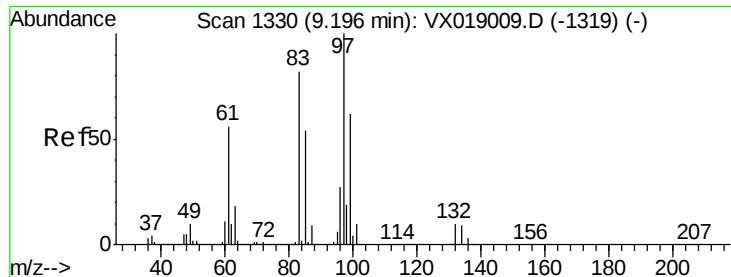
Ion Ratio Lower Upper

75 100

77 31.3 25.9 38.9

39 37.7 31.7 47.5





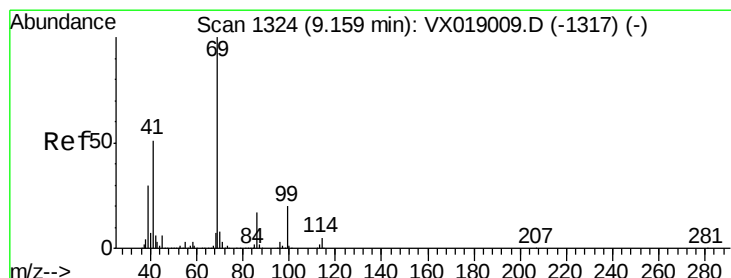
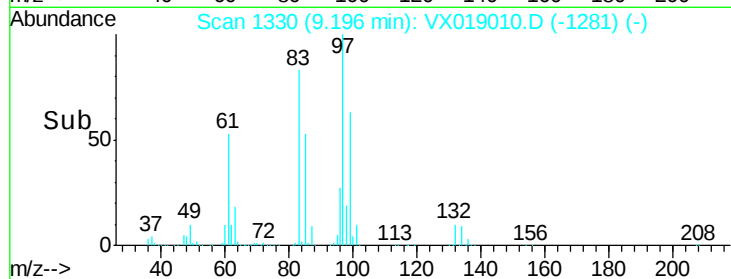
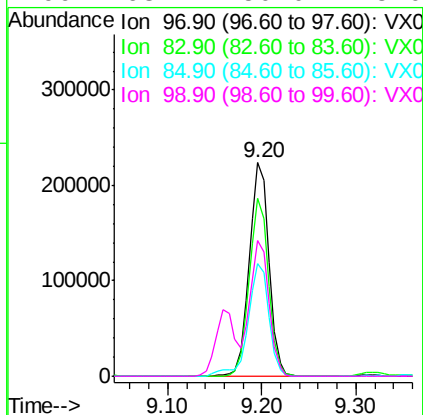
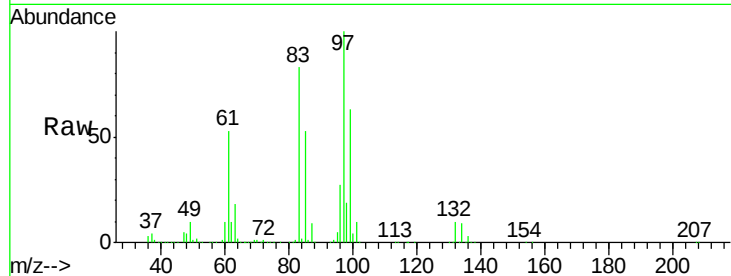
#55
 1,1,2-Trichloroethane
 Concen: 101.850 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019010.D
 Acq: 21 Oct 2020 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
97	100	328363		
83	83.3	65.4	98.2	
85	52.5	43.3	64.9	
99	63.4	50.0	75.0	

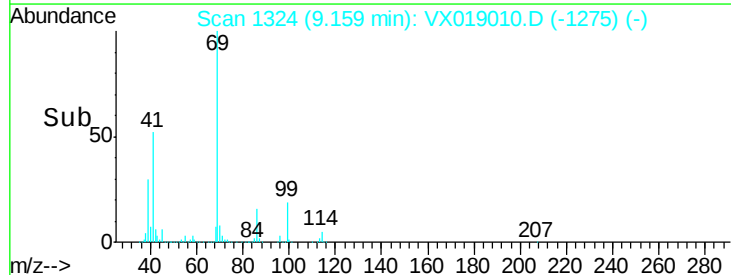
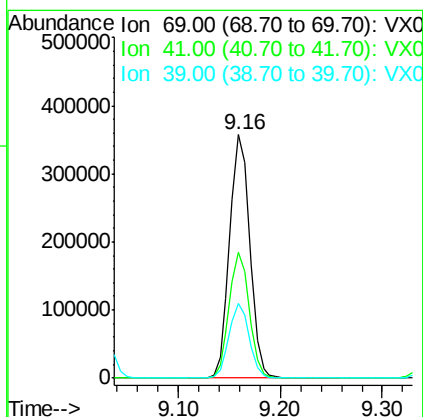
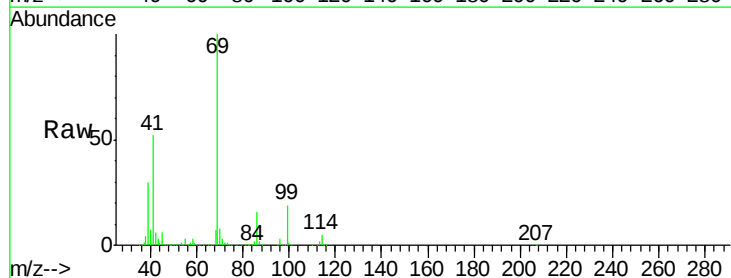
Manual Integrations
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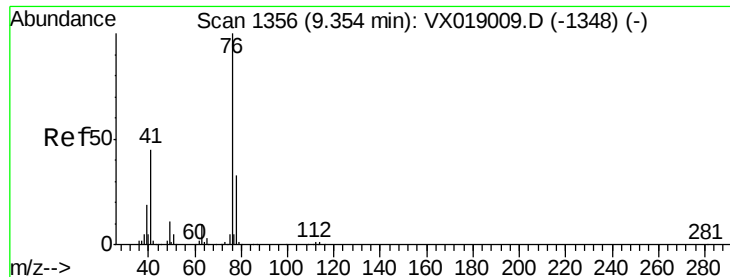
MMDadoda
 10/22/2020 1:22:00 PM



#56
 Ethyl methacrylate
 Concen: 102.850 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX019010.D
 Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	488056		
41	51.4	41.1	61.7	
39	30.6	24.6	37.0	





#57

1,3-Dichloropropane

Concen: 96.177 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 517803

Ion Ratio Lower Upper

76 100

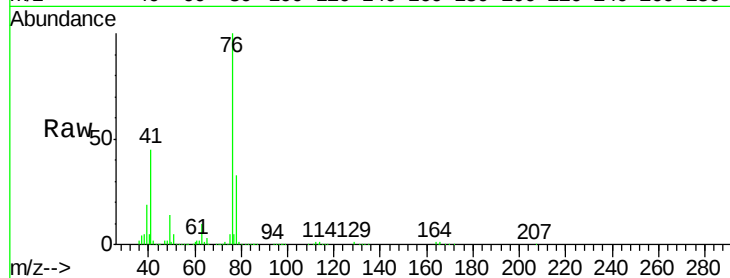
78 32.9 26.2 39.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

400000

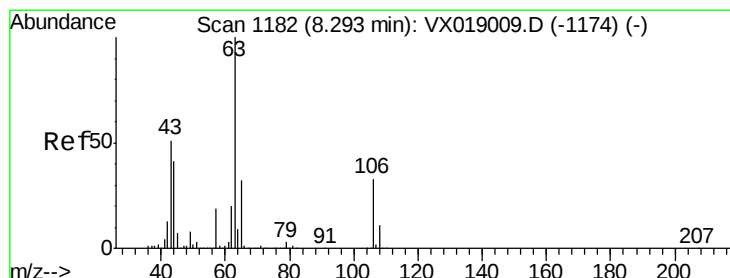
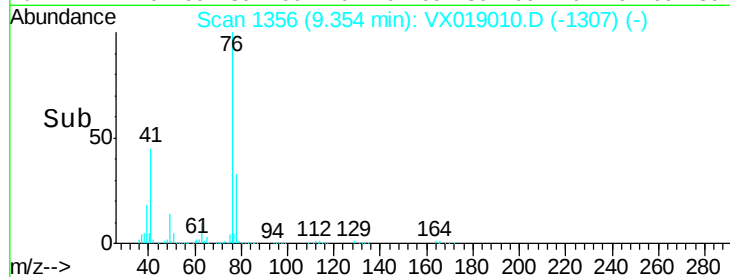
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 492.525 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX019010.D

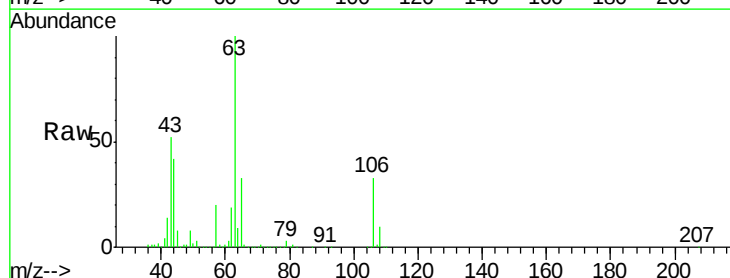
Acq: 21 Oct 2020 19:30

Tgt Ion: 63 Resp: 1236813

Ion Ratio Lower Upper

63 100

106 33.0 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

800000

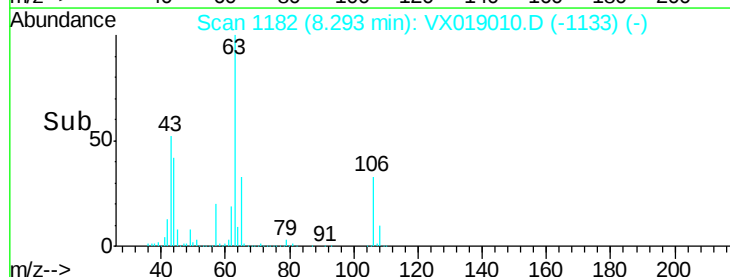
600000

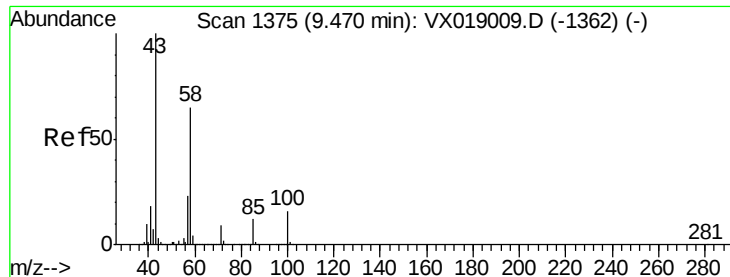
400000

200000

0

Time-->





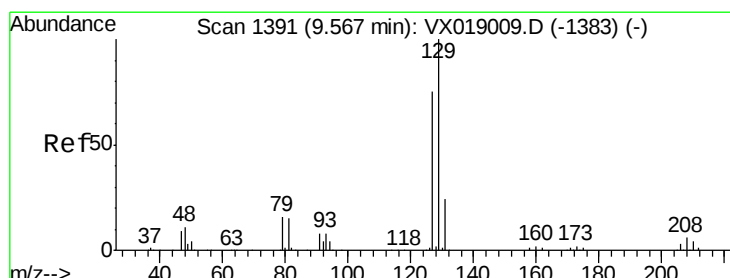
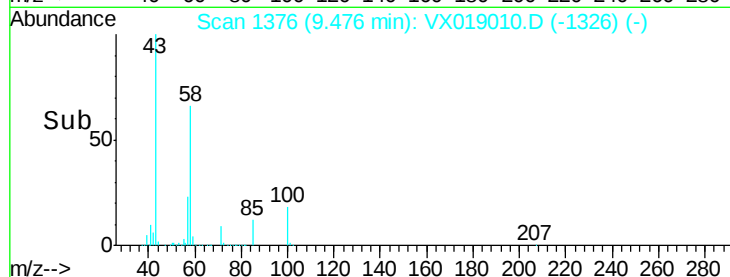
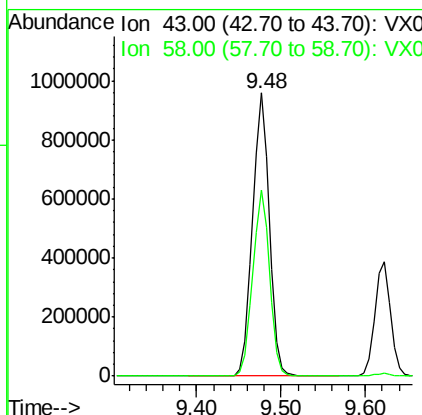
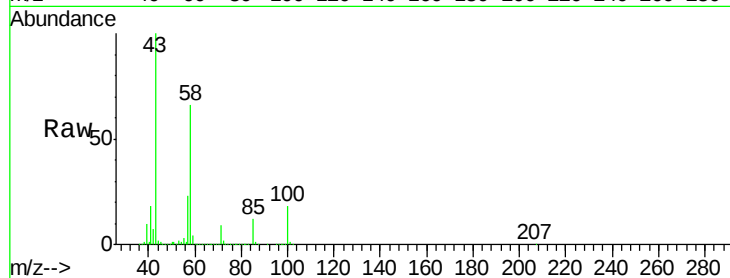
#59
2-Hexanone
Concen: 388.270 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1282423
Ion Ratio Lower Upper
43 100
58 66.0 32.8 98.4

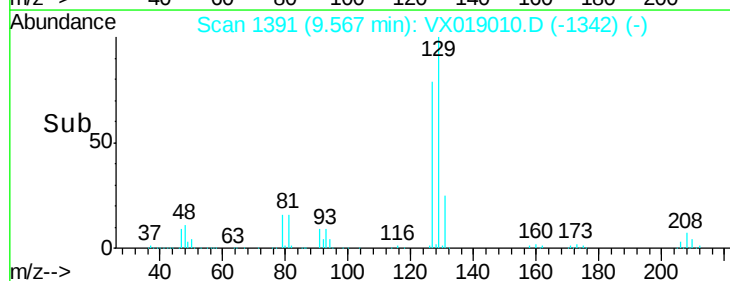
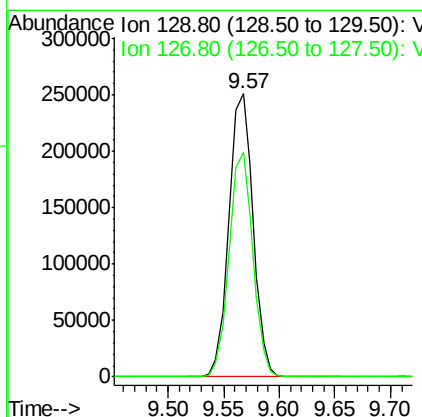
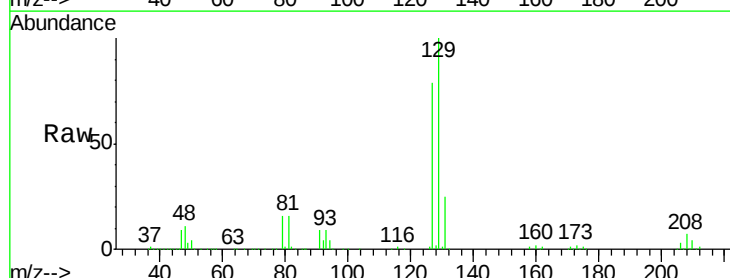
Manual Integrations
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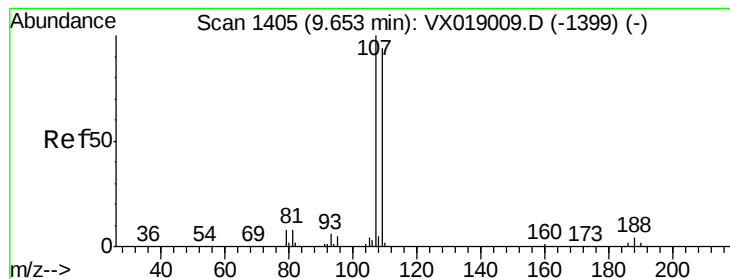
MMDadoda
10/22/2020 1:22:00 PM



#60
Dibromochloromethane
Concen: 98.783 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion: 129 Resp: 376325
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.7





#61

1,2-Dibromoethane

Concen: 103.178 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 353921

Ion Ratio Lower Upper

107 100

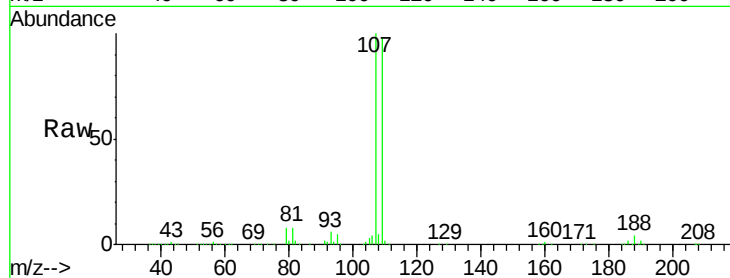
109 94.9 75.0 112.6

Manual Integrations

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MMDadoda

10/22/2020 1:22:00 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

250000

200000

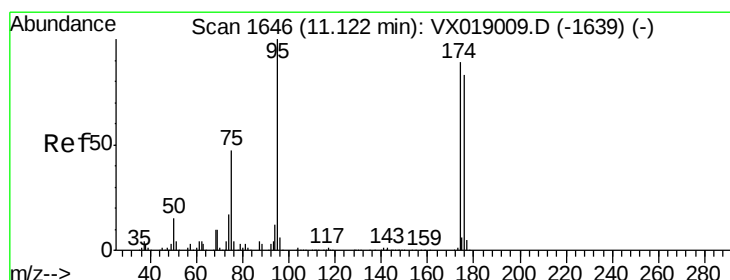
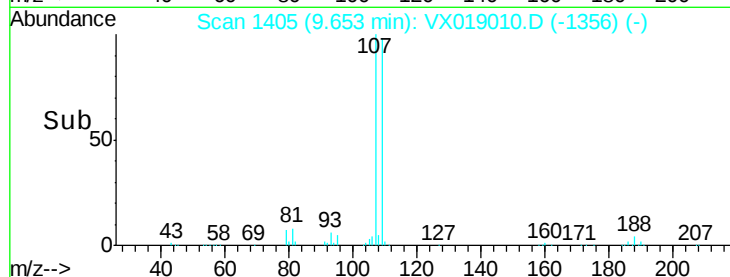
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 88.472 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

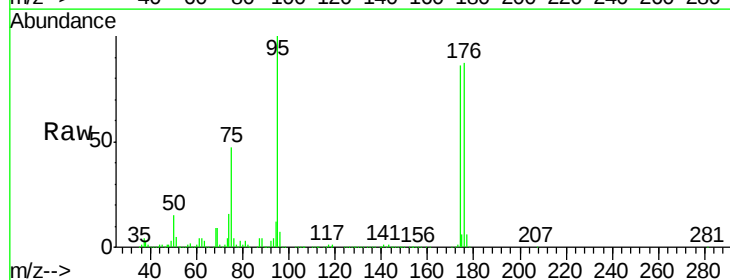
Tgt Ion: 95 Resp: 384335

Ion Ratio Lower Upper

95 100

174 87.5 0.0 167.6

176 84.6 0.0 165.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

400000

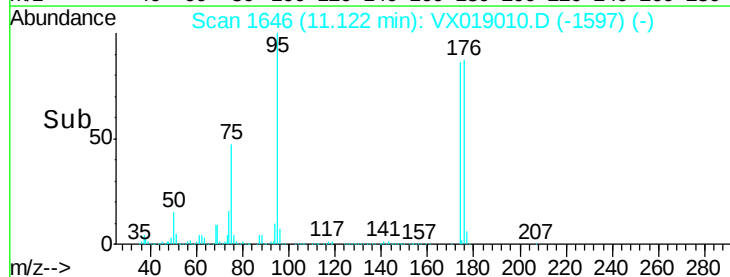
300000

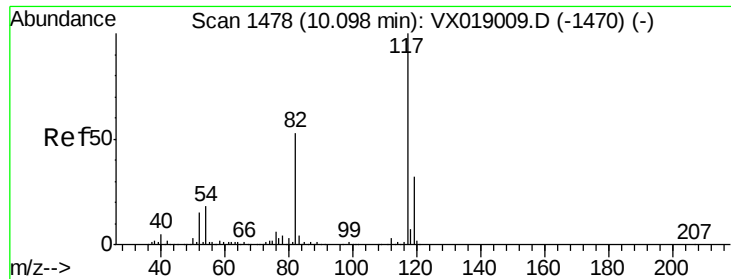
200000

100000

0

Time-->





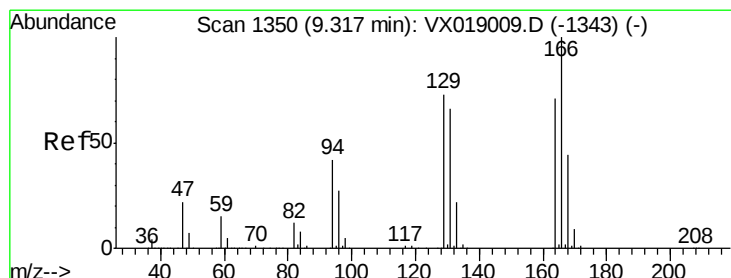
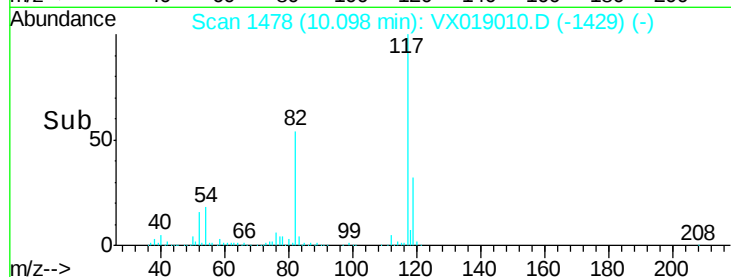
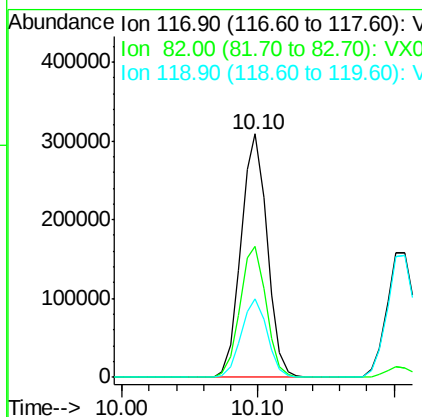
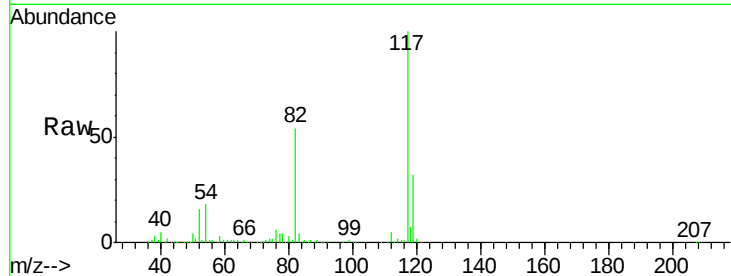
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.4	63.6
119	32.2	25.6	38.4

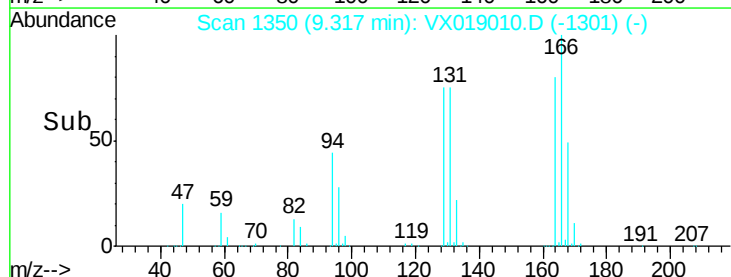
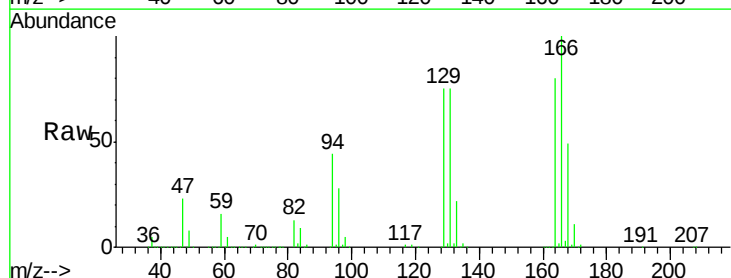
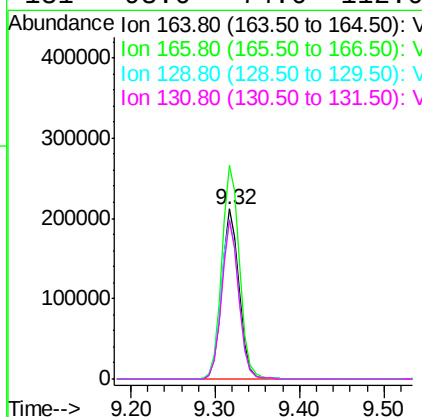
Manual Integrations
APPROVED

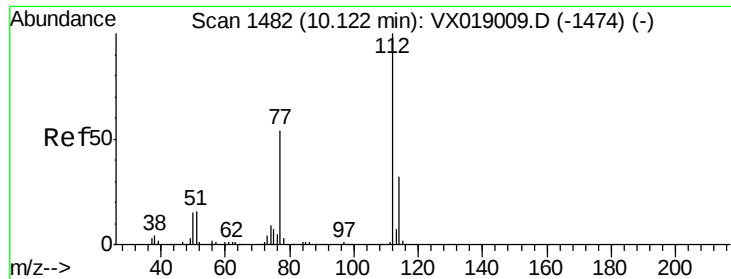
MMDadoda
10/22/2020 1:22:00 PM



#64
Tetrachloroethene
Concen: 93.210 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	112.2	168.4
129	94.0	81.8	122.8
131	93.6	74.6	112.0





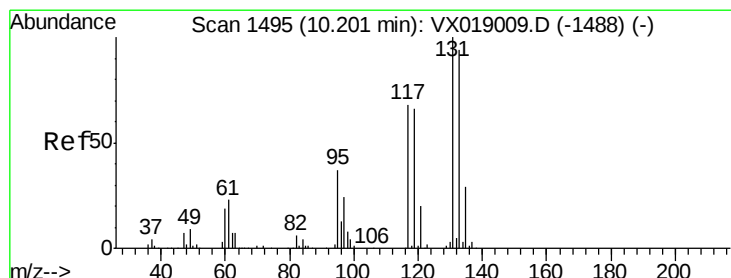
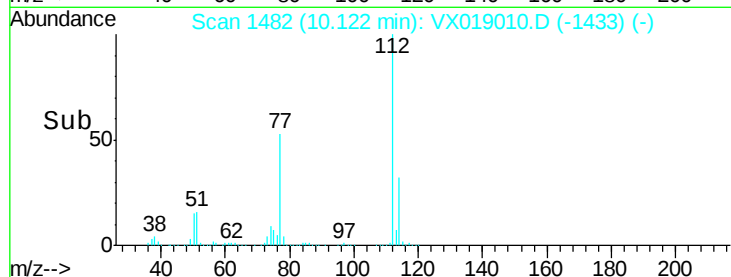
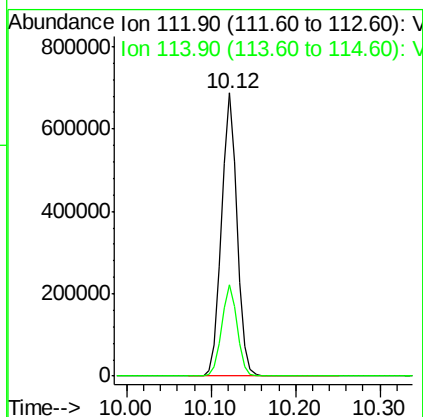
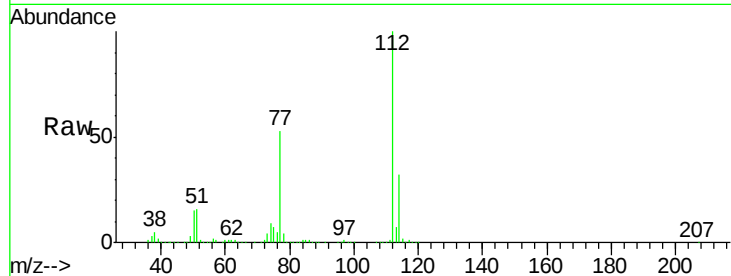
#65
Chlorobenzene
Concen: 103.349 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.5	38.3

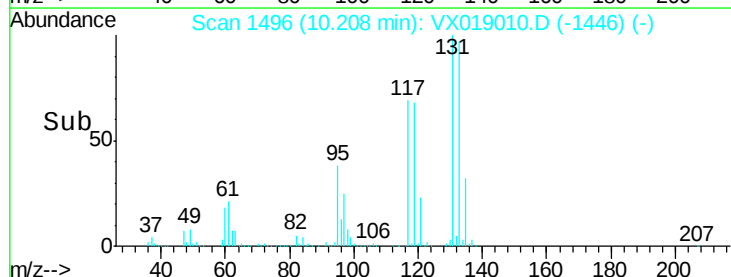
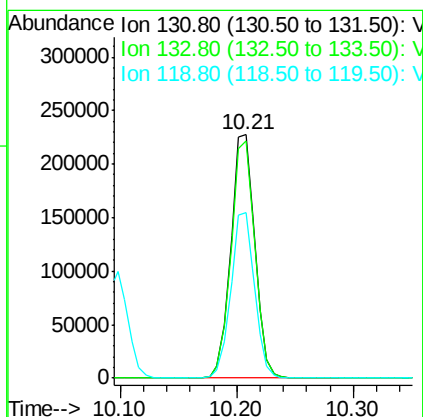
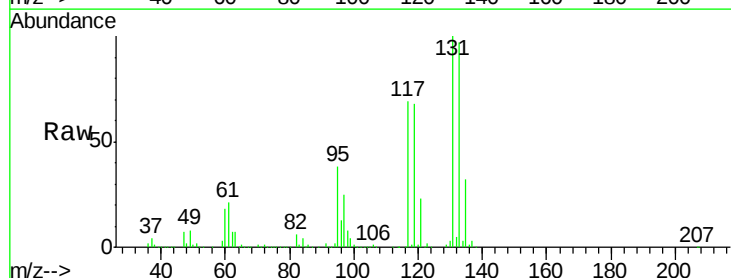
Manual Integrations
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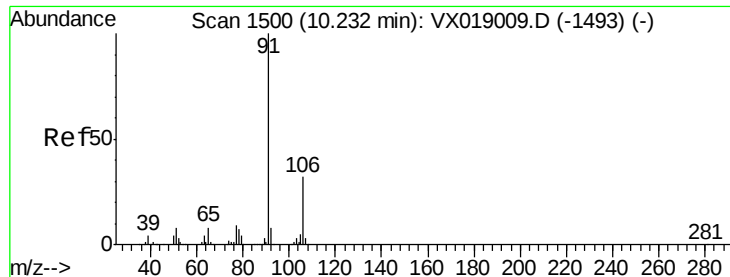
MMDadoda
10/22/2020 1:22:00 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 96.544 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.0	141.2
119	67.1	32.9	98.7





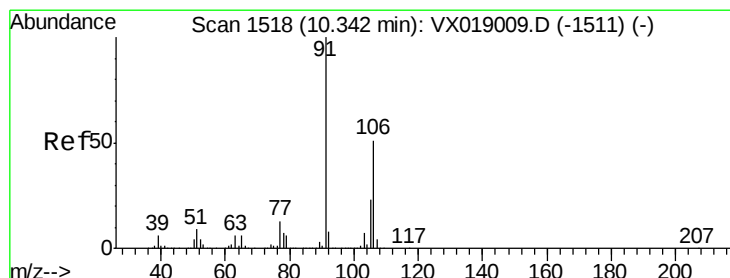
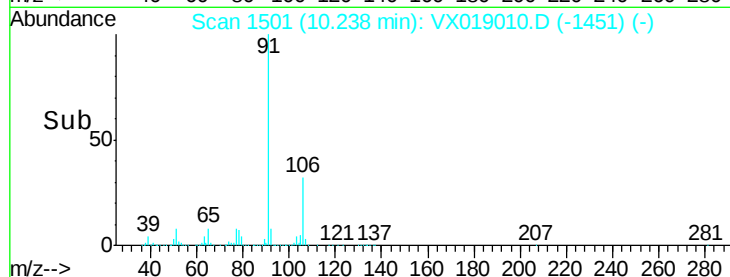
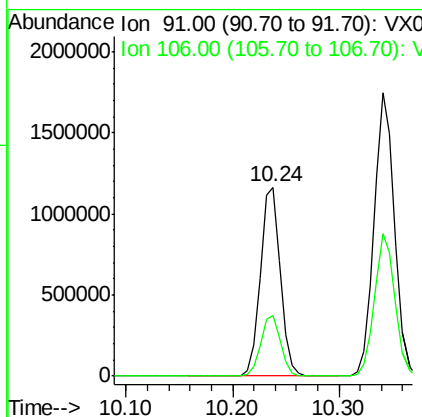
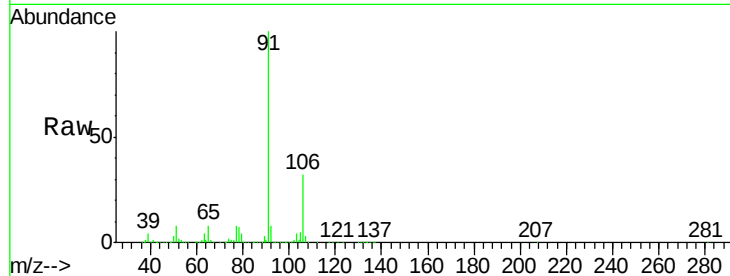
#67
Ethyl Benzene
Concen: 104.111 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1532793
Ion Ratio Lower Upper
91 100
106 32.3 25.3 37.9

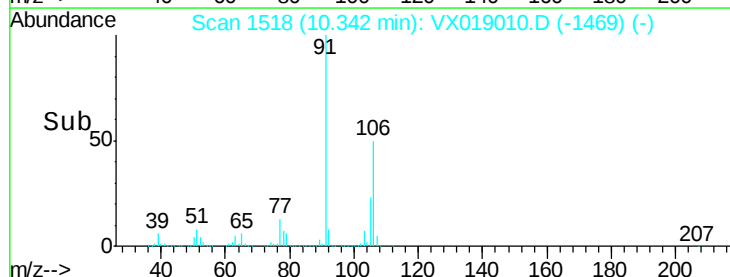
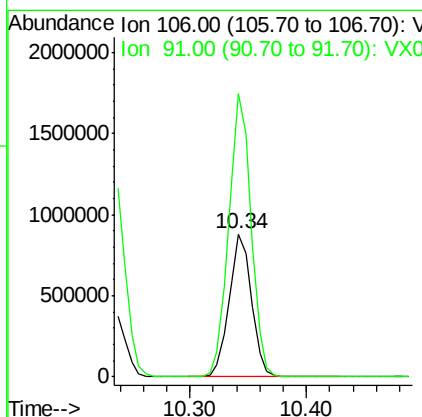
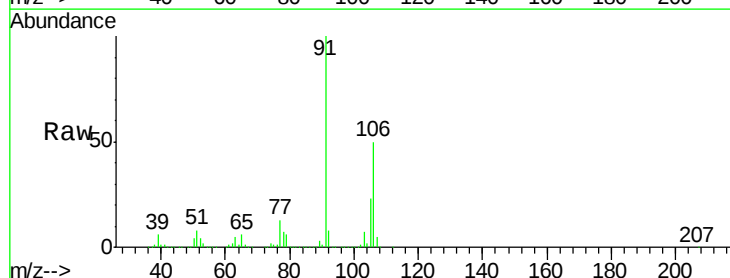
Manual Integrations
APPROVED

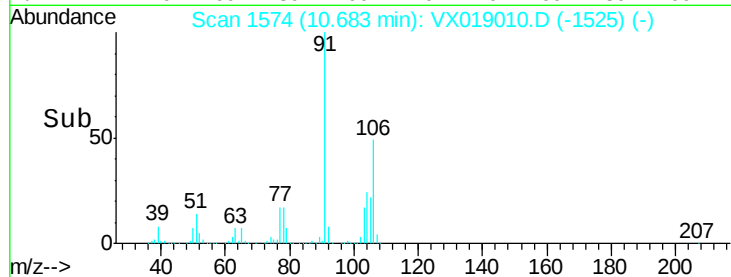
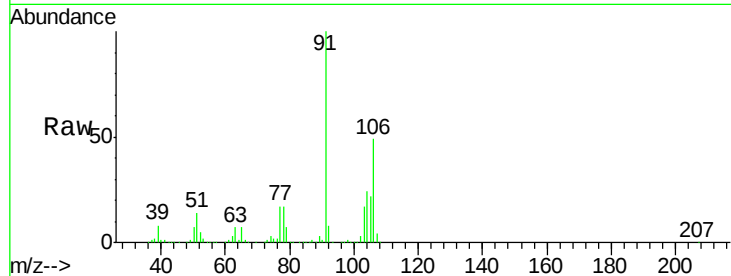
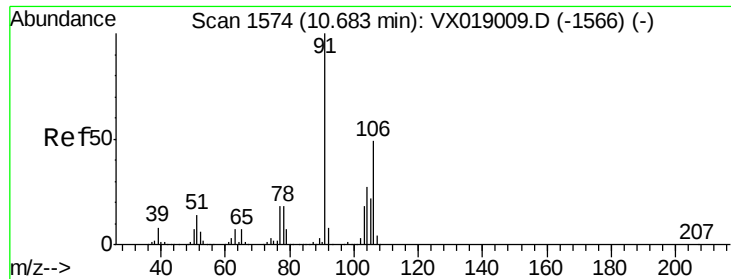
MMDadoda
10/22/2020 1:22:00 PM



#68
m/p-Xylenes
Concen: 209.823 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion: 106 Resp: 1177341
Ion Ratio Lower Upper
106 100
91 198.2 156.9 235.3





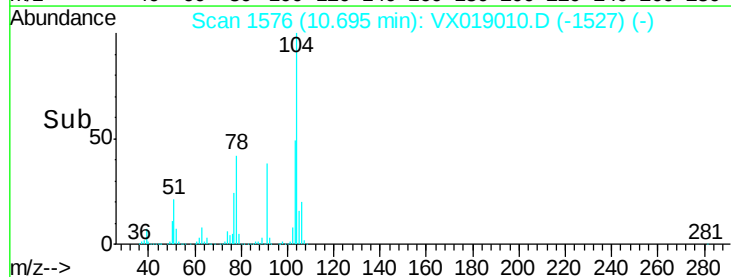
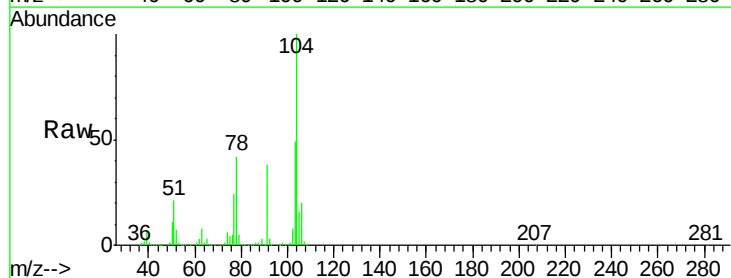
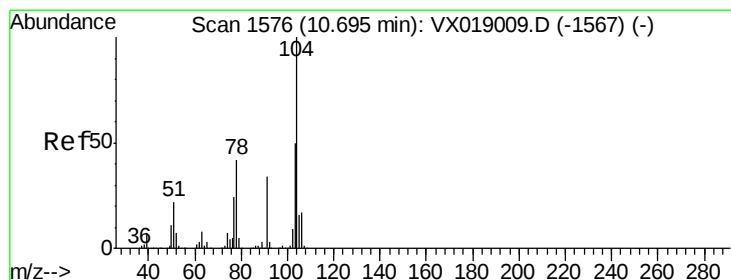
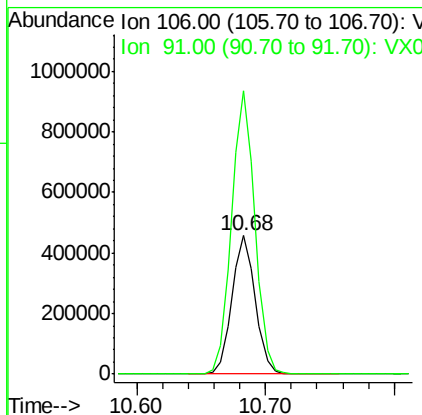
#69
o-Xylene
Concen: 109.093 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tot Ion:106 Resp: 579141
Ion Ratio Lower Upper
106 100
91 204.3 104.0 312.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

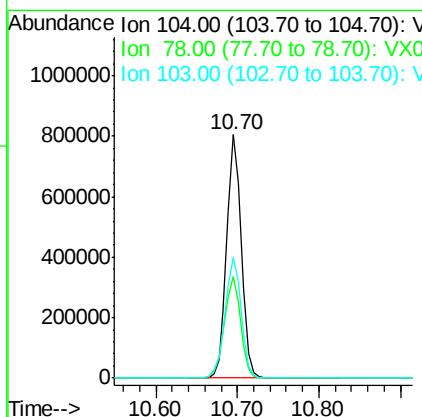
Manual Integrations
APPROVED

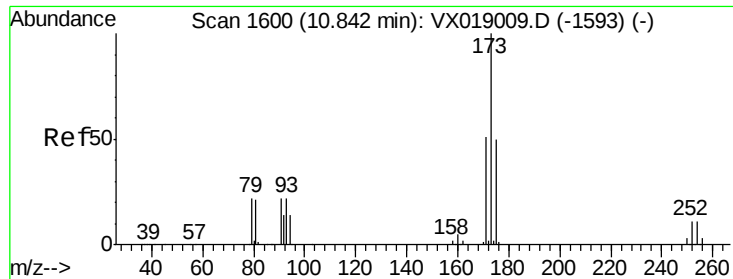
MMDadoda
10/22/2020 1:22:00 PM



#70
Styrene
Concen: 109.141 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion:104 Resp: 993583
Ion Ratio Lower Upper
104 100
78 46.6 37.7 56.5
103 54.4 43.5 65.3





#71

Bromoform

Concen: 100.966 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 284027

Ion Ratio Lower Upper

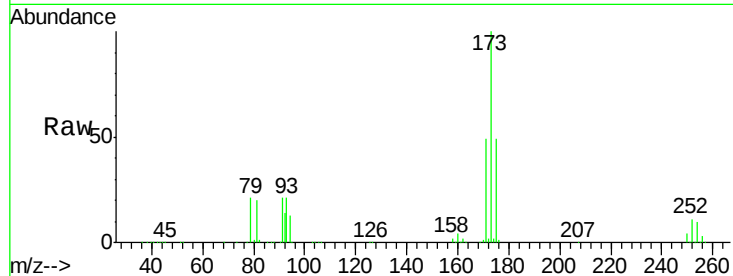
173 100

175 48.0 24.1 72.4

254 0.1 0.1 0.1#

Manual Integrations
APPROVED

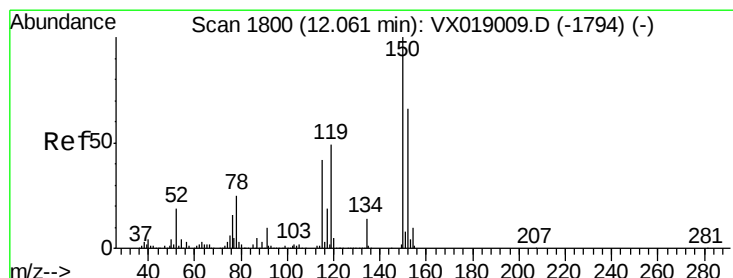
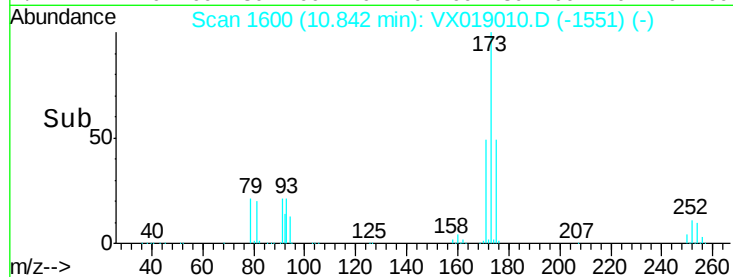
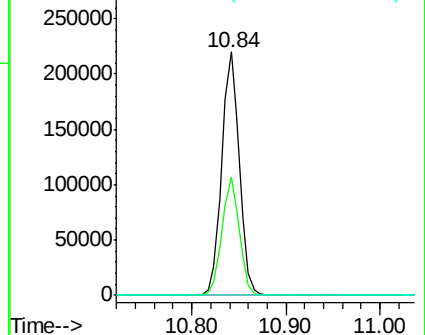
MMDadoda
10/22/2020 1:22:00 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

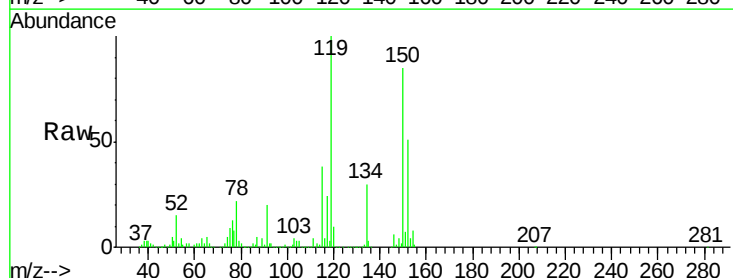
Tgt Ion:152 Resp: 204946

Ion Ratio Lower Upper

152 100

115 107.5 40.8 122.5

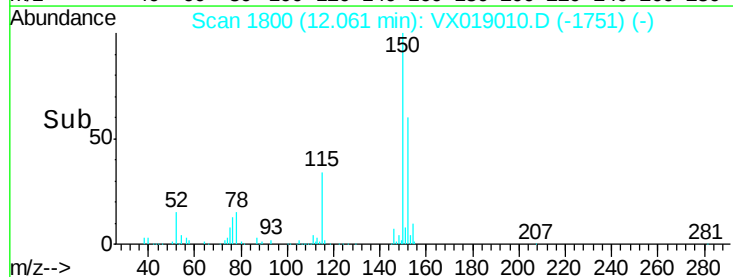
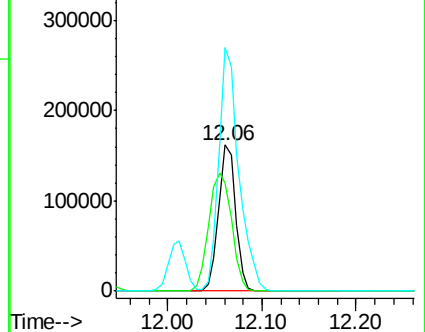
150 194.3 0.0 345.6

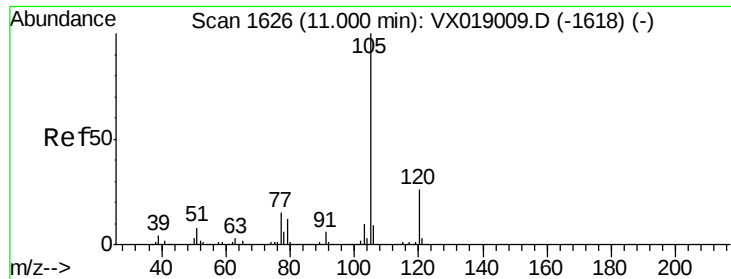


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 111.718 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1550036

Ion Ratio Lower Upper

105 100

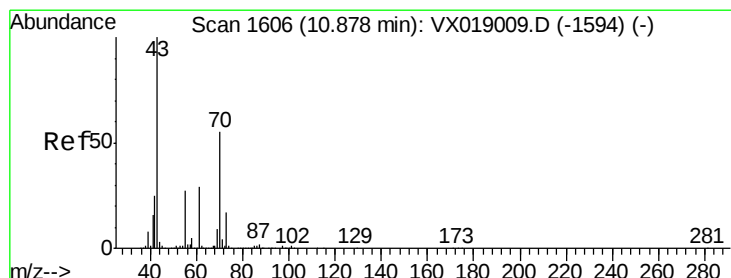
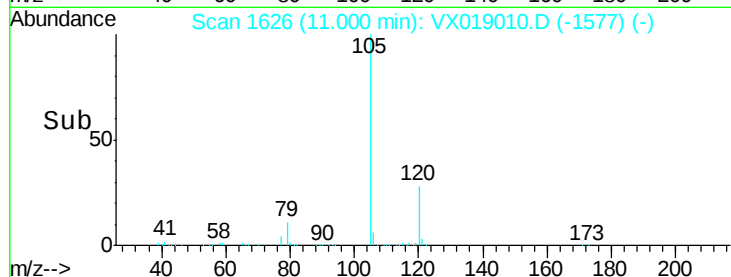
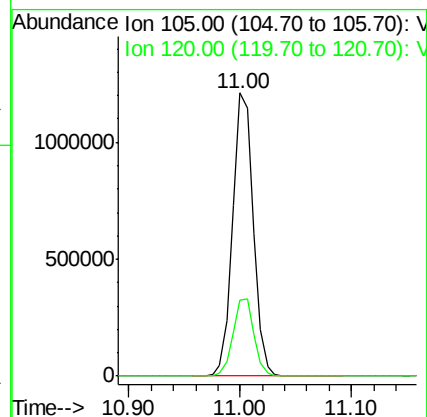
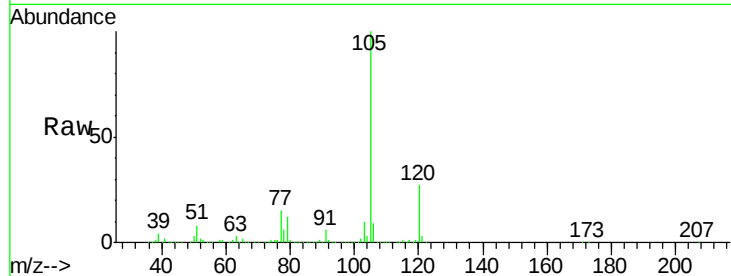
120 27.6 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 82.473 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Tgt Ion: 43 Resp: 488094

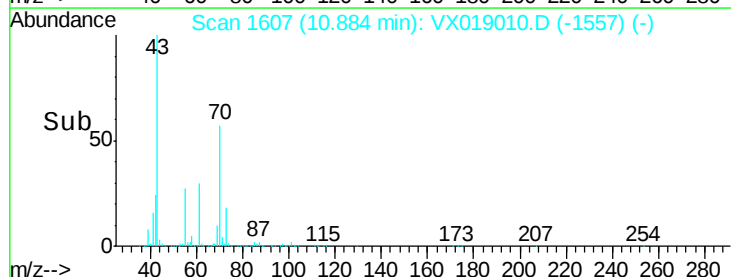
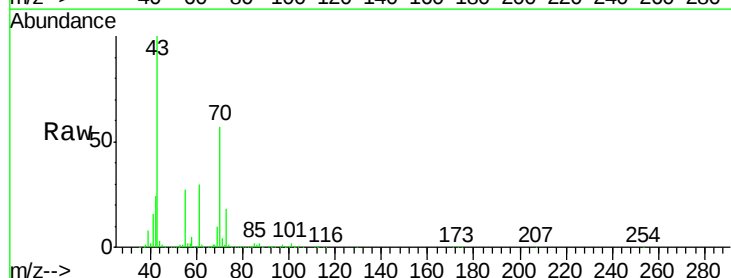
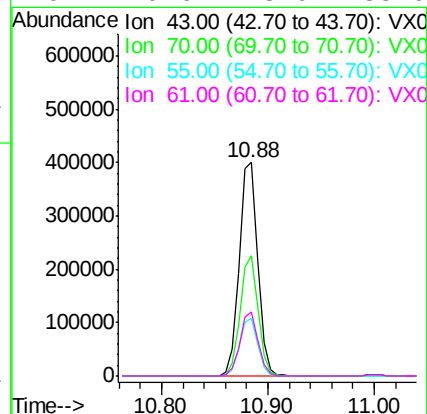
Ion Ratio Lower Upper

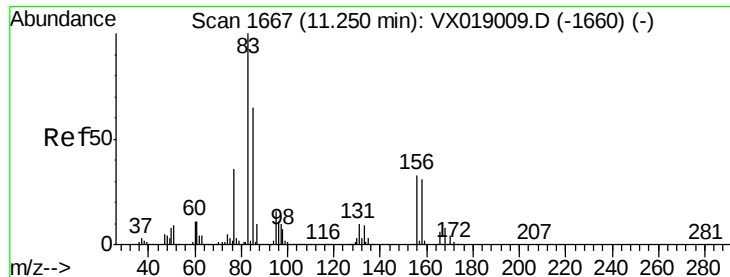
43 100

70 54.8 44.5 66.7

55 26.9 21.9 32.9

61 29.6 23.9 35.9





#75

1,1,2,2-Tetrachloroethane

Concen: 100.458 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 455869

Ion Ratio Lower Upper

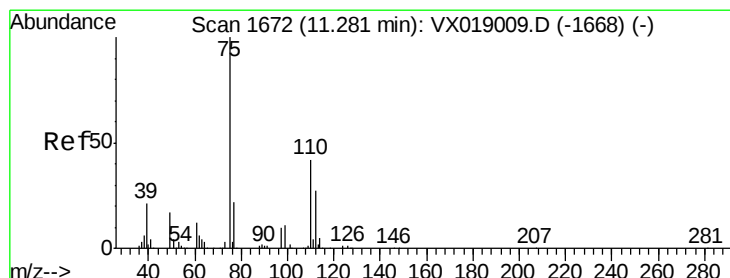
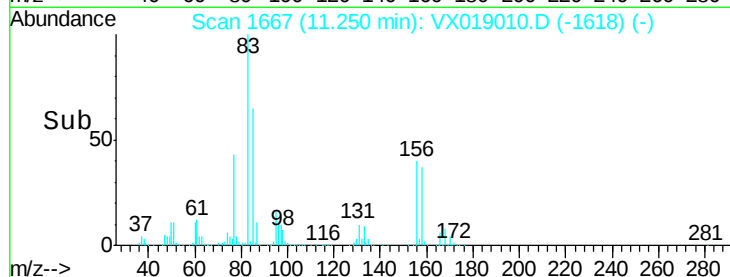
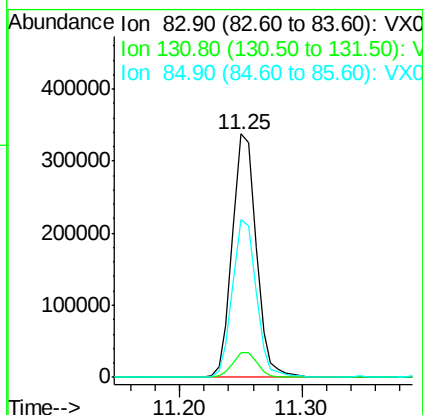
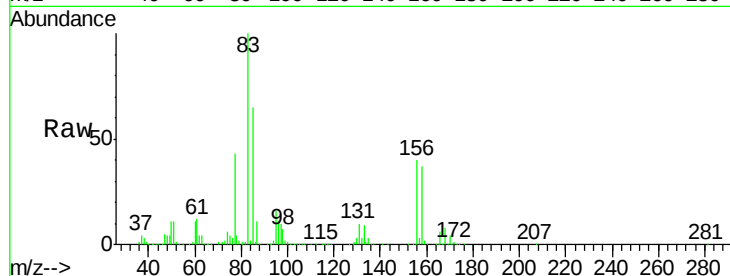
83 100

131 10.4 5.1 15.4

85 64.7 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 95.595 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX019010.D

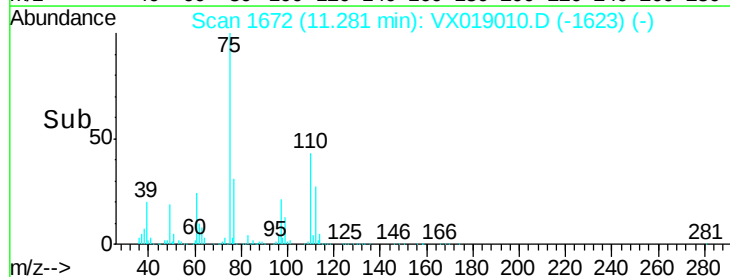
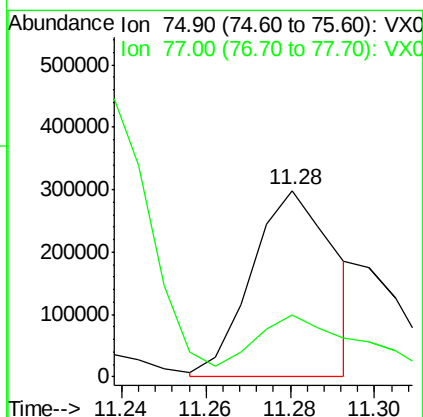
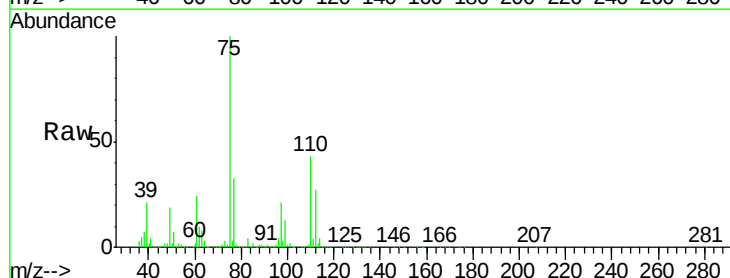
Acq: 21 Oct 2020 19:30

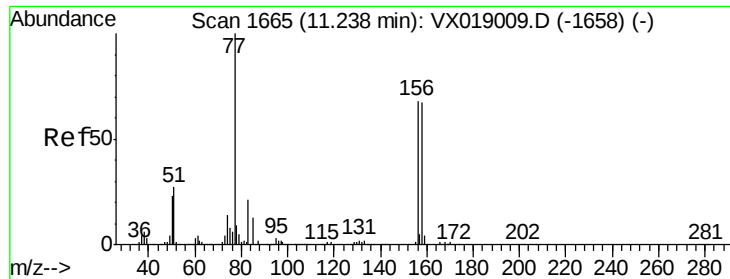
Tgt Ion: 75 Resp: 409104

Ion Ratio Lower Upper

75 100

77 42.7 20.7 62.1





#77

Bromobenzene

Concen: 102.417 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

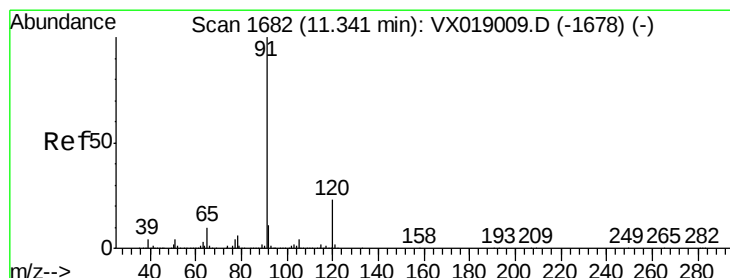
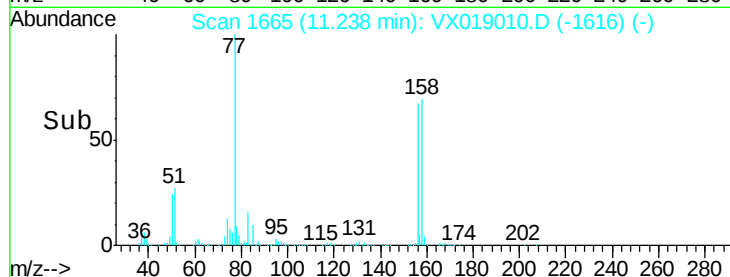
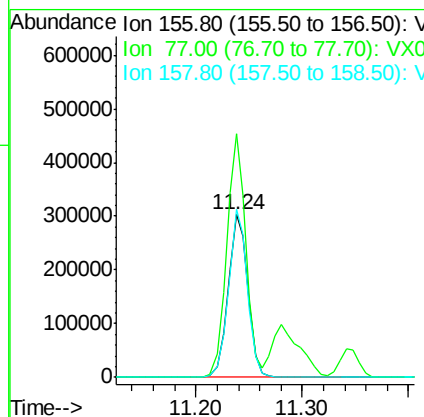
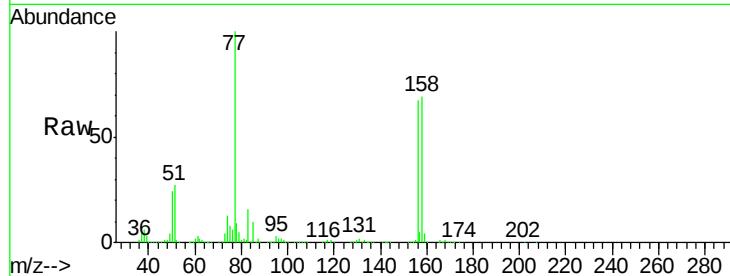
ClientSampleId :

VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		387525		
77	146.2	74.4	223.1		
158	99.2	48.8	146.3		

Manual Integrations
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#78

n-propylbenzene

Concen: 107.665 ug/l

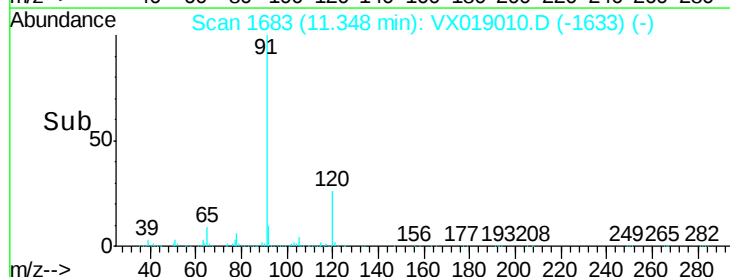
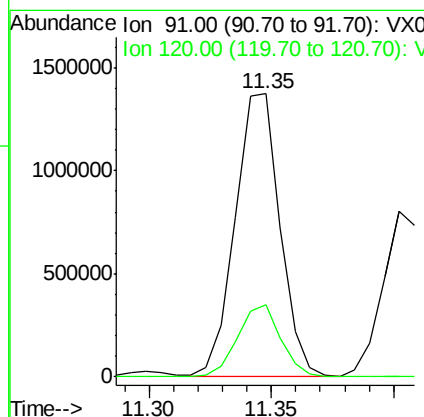
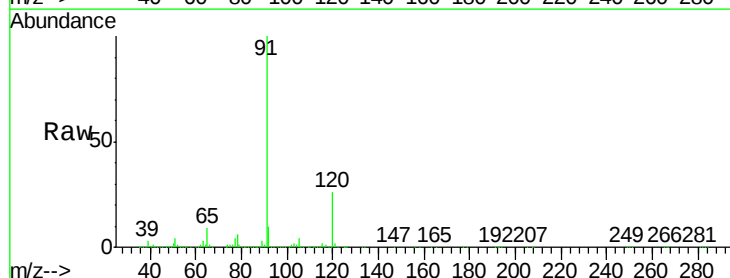
RT: 11.35 min Scan# 1683

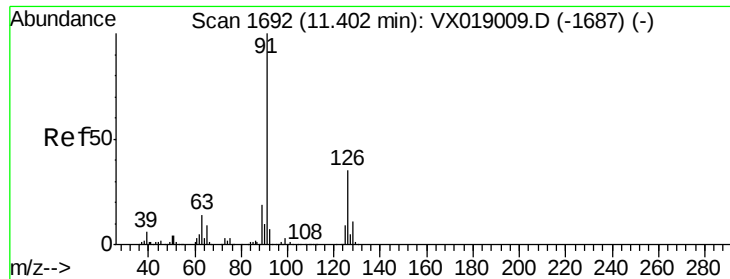
Delta R.T. 0.01 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1735629		
120	24.7	12.1	36.3		





#79

2-Chlorotoluene

Concen: 102.535 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 995480

Ion Ratio Lower Upper

91 100

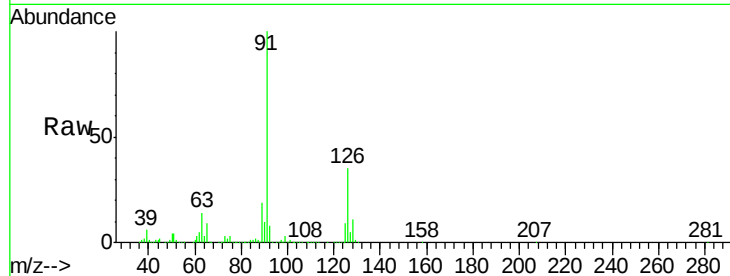
126 35.9 17.5 52.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX019009.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX019009.D (-1687) (-)

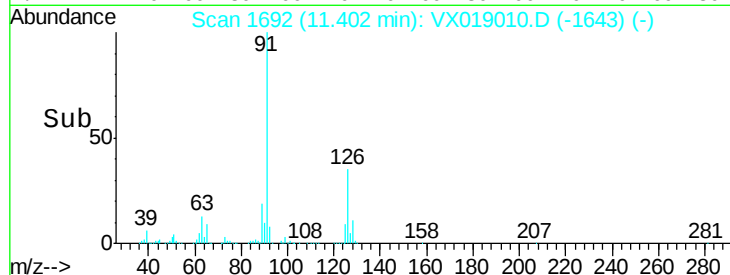
1500000

1000000

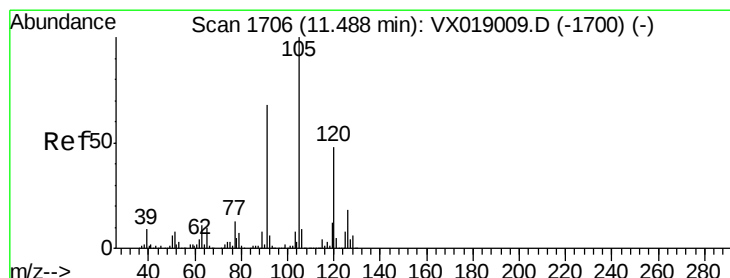
500000

0

11.35 11.40 11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 108.794 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX019010.D

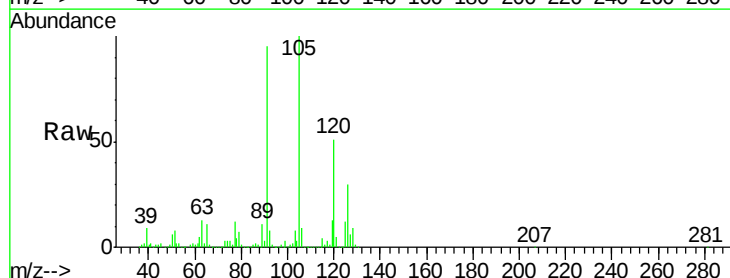
Acq: 21 Oct 2020 19:30

Tgt Ion: 105 Resp: 1281773

Ion Ratio Lower Upper

105 100

120 50.4 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX019009.D (-1700) (-)

Ion 120.00 (119.70 to 120.70): VX019009.D (-1700) (-)

1200000

1000000

800000

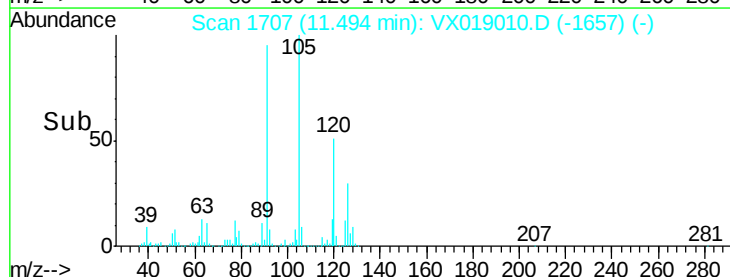
600000

400000

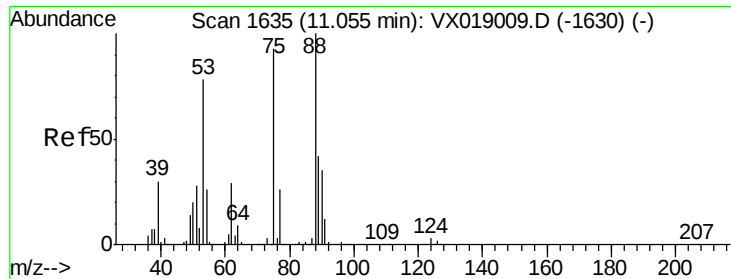
200000

0

11.40 11.50 11.60



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 101.464 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

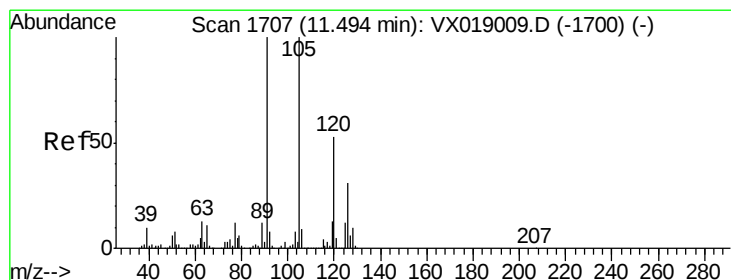
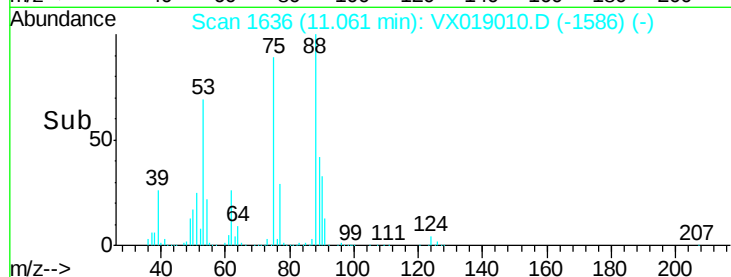
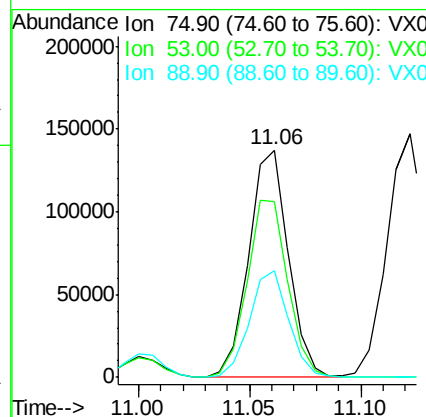
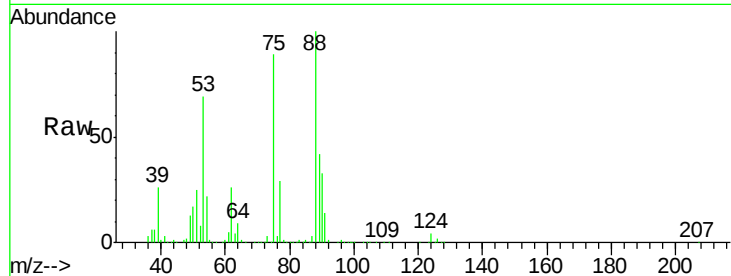
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	169623
Ion	Ratio	Lower	Upper
75	100		
53	81.0	67.4	101.2
89	46.9	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 102.725 ug/l

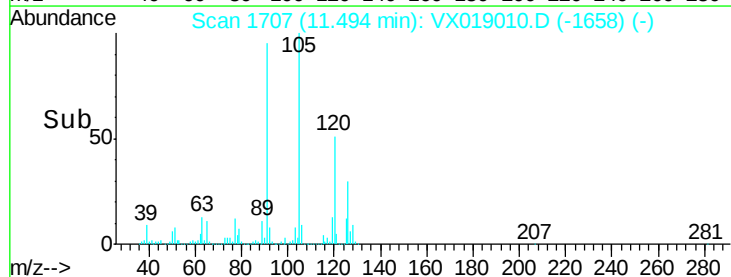
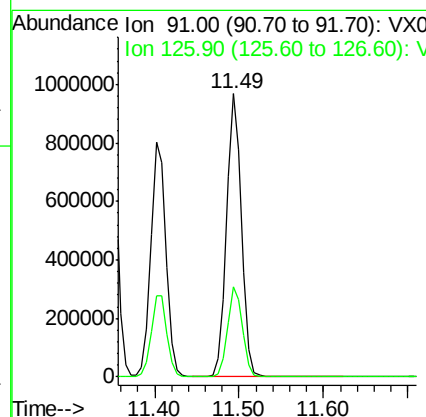
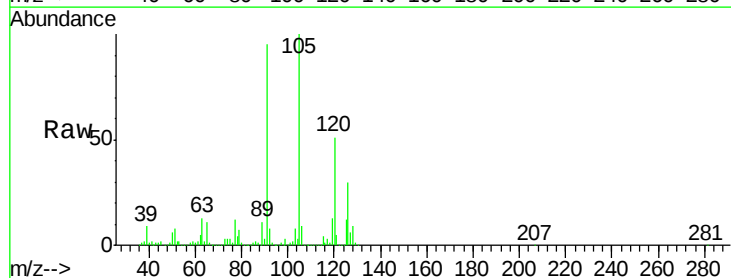
RT: 11.49 min Scan# 1707

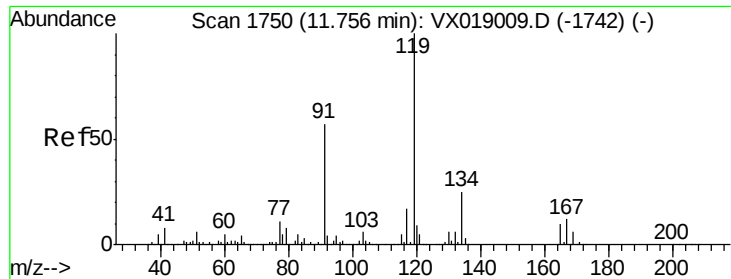
Delta R.T. 0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Tgt Ion:	91	Resp:	1185152
Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.6	46.7





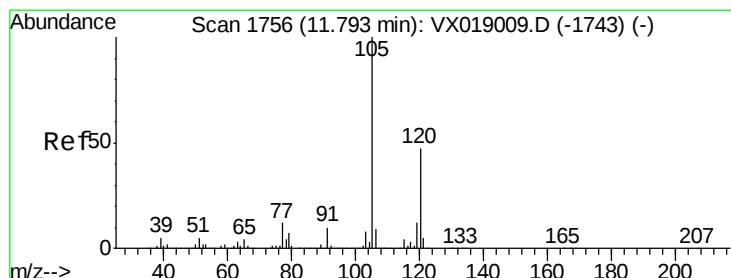
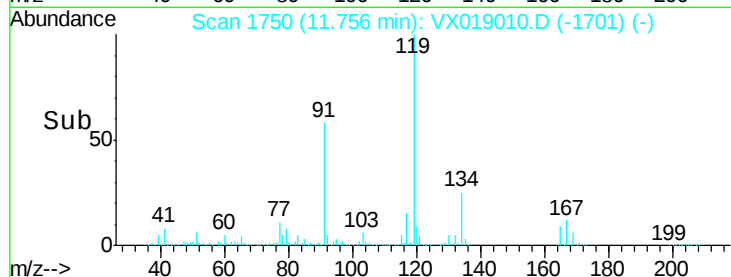
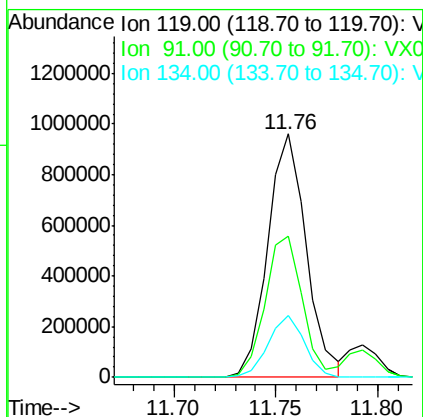
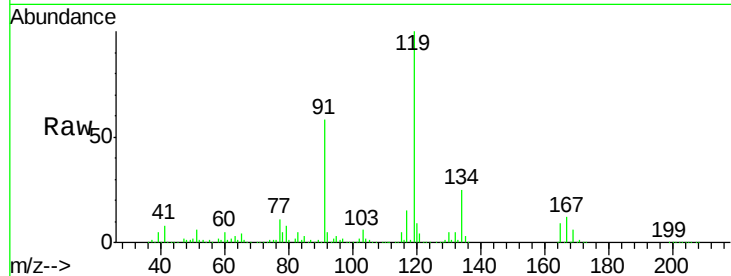
#83
tert-Butylbenzene
Concen: 110.034 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	28.1	84.4
134	23.8	11.8	35.3

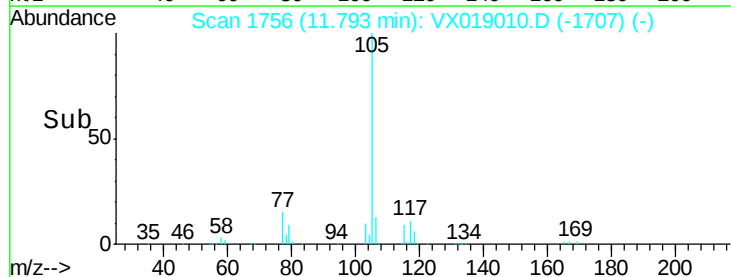
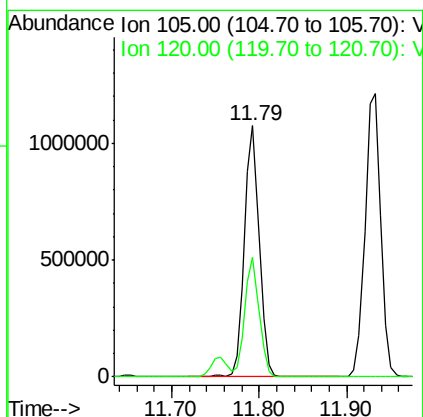
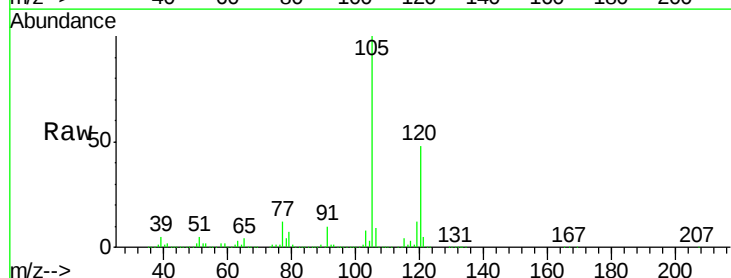
Manual Integrations
APPROVED

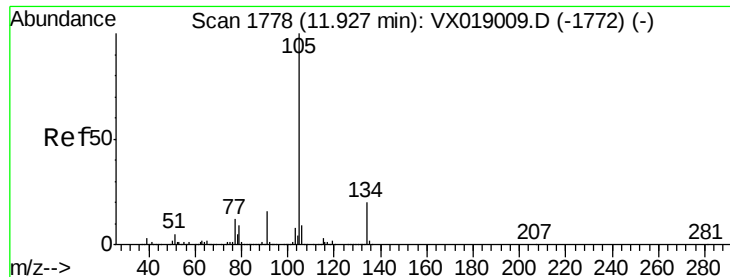
MMDadoda
10/22/2020 1:22:00 PM



#84
1,2,4-Trimethylbenzene
Concen: 107.871 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 112.411 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1528665

Ion Ratio Lower Upper

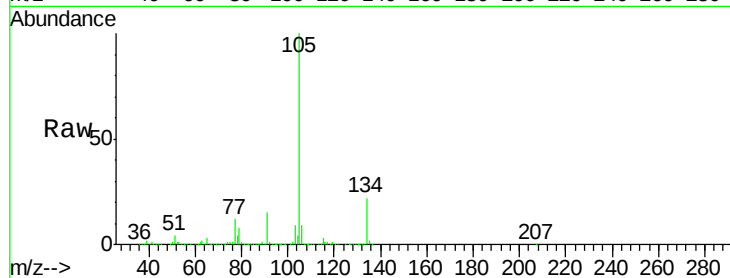
105 100

134 20.7 10.4 31.1

Manual Integrations
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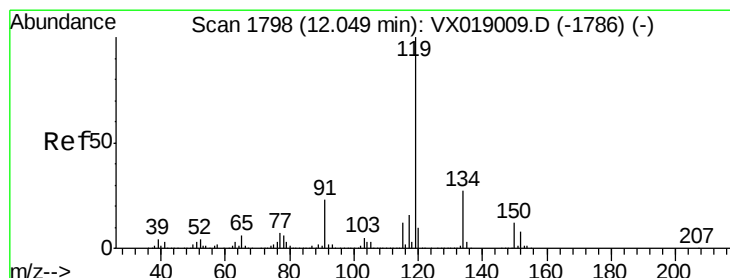
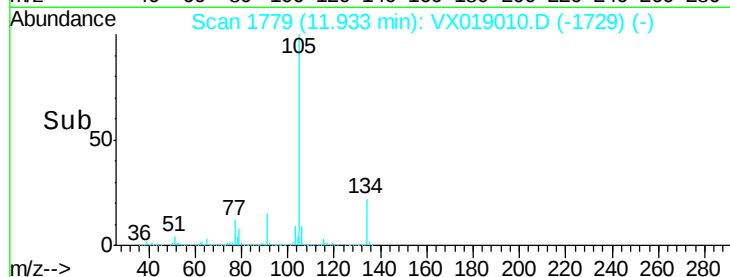
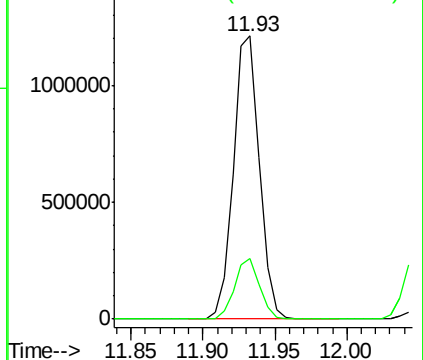
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 111.650 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX019010.D

Acq: 21 Oct 2020 19:30

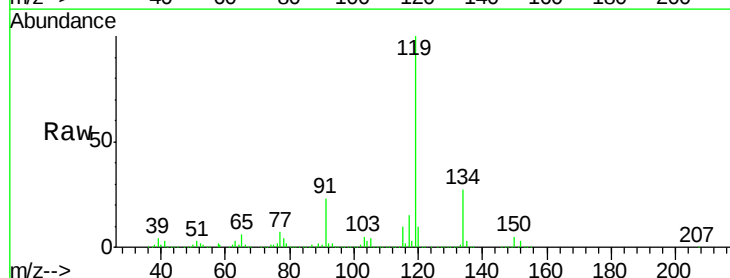
Tgt Ion:119 Resp: 1389398

Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.8

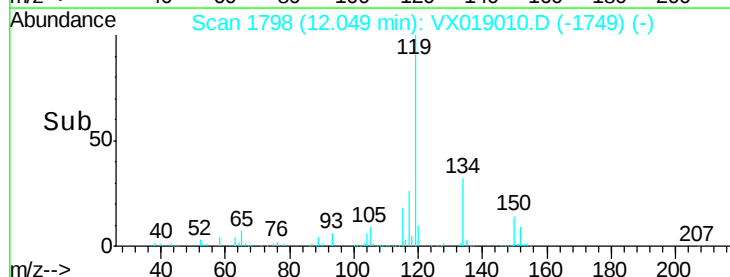
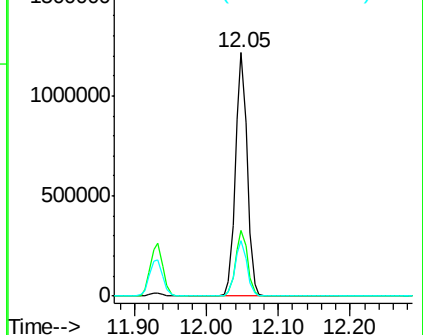
91 22.9 11.4 34.2

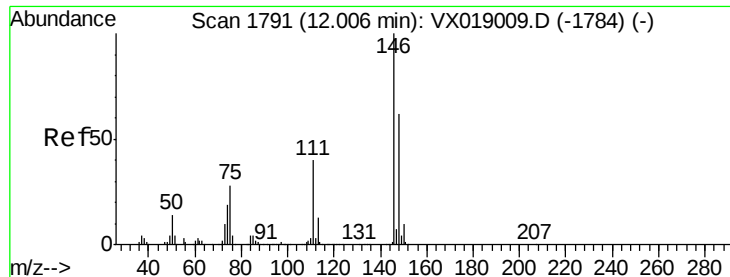


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





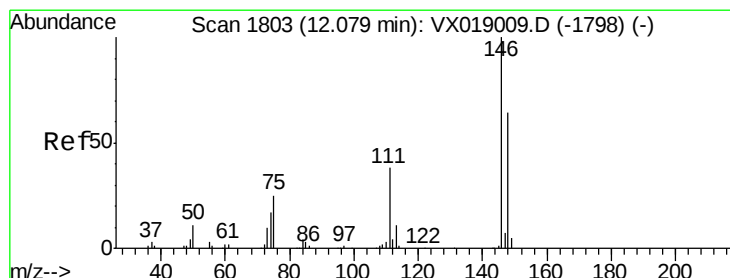
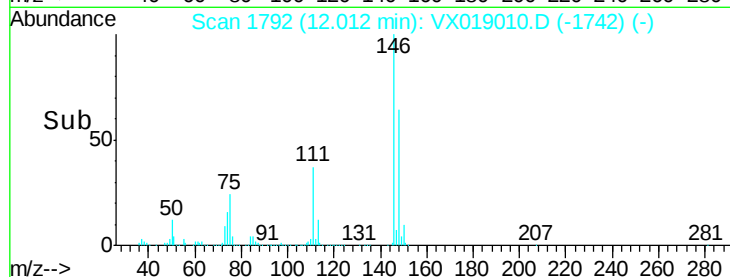
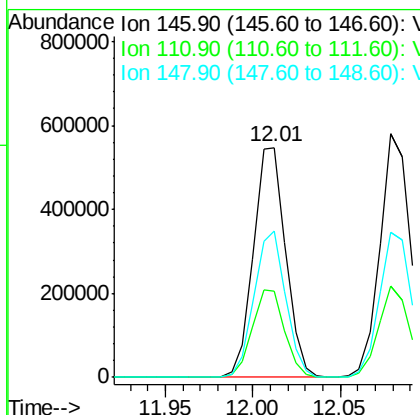
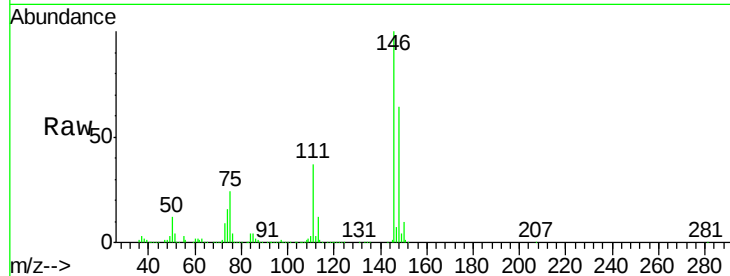
#87
 1,3-Dichlorobenzene
 Concen: 103.543 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX019010.D
 Acq: 21 Oct 2020 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.1
148	62.3	32.0	96.0

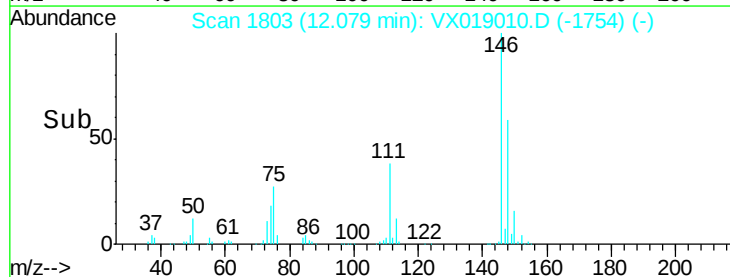
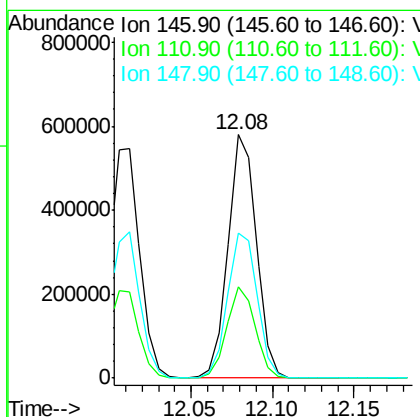
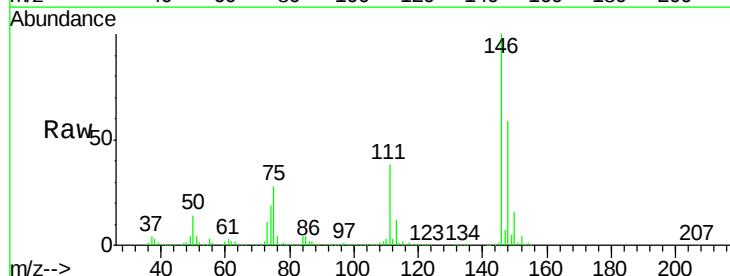
Manual Integrations
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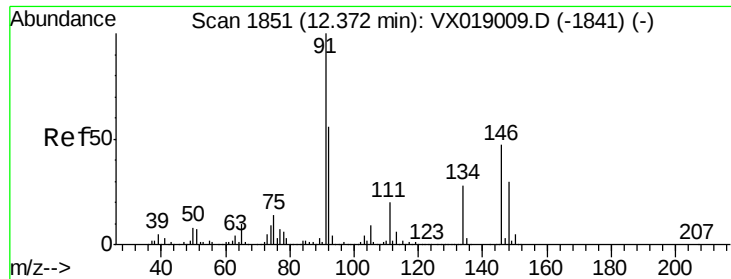
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 101.583 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019010.D
 Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.4	58.2
148	62.3	32.2	96.6





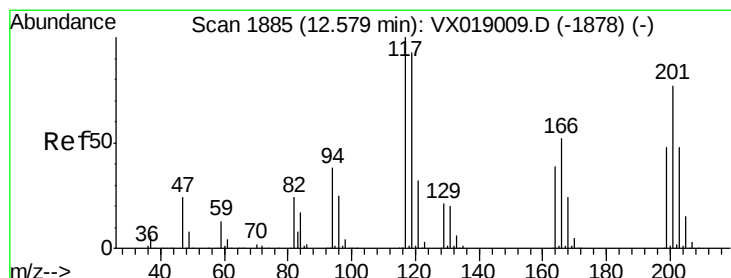
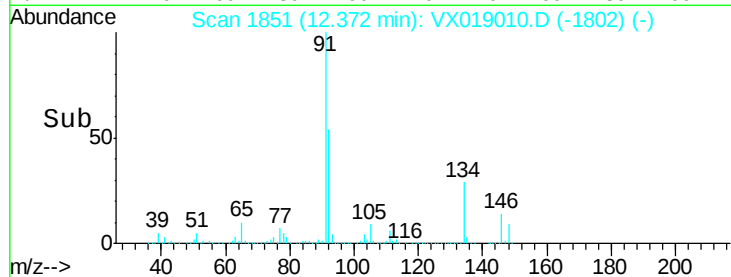
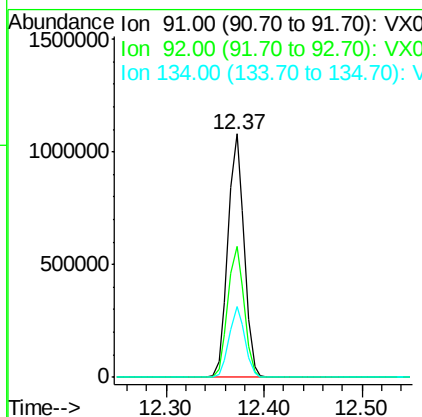
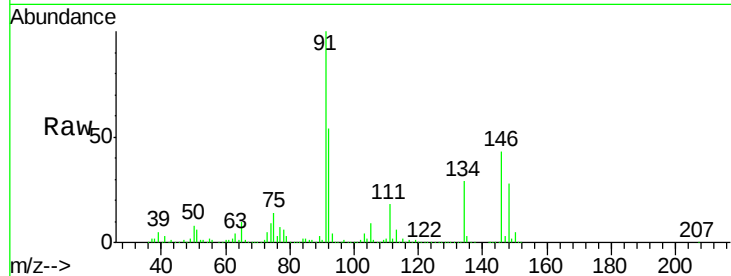
#89
n-Butylbenzene
Concen: 107.692 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.3	81.9
134	28.3	13.6	40.7

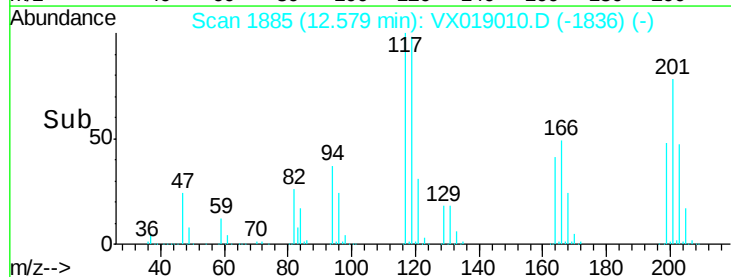
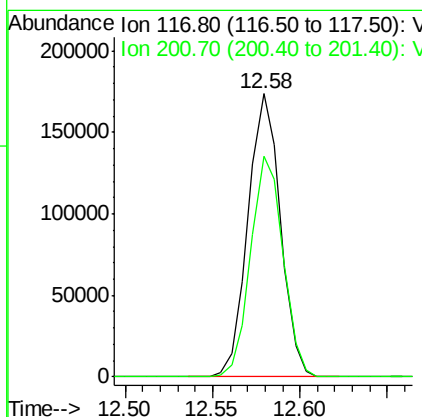
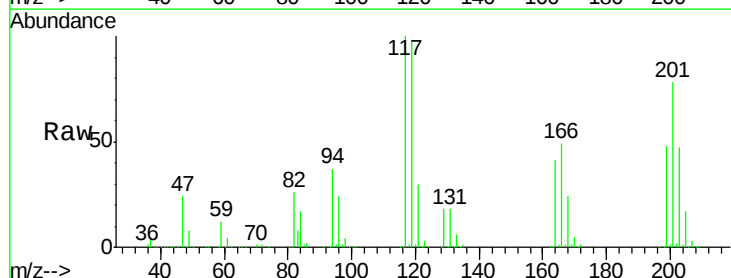
Manual Integrations
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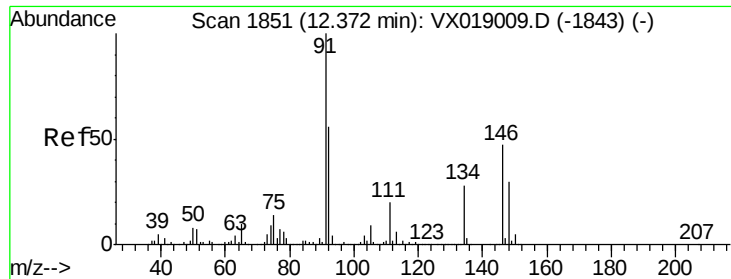
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#90
Hexachloroethane
Concen: 92.598 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	37.1	111.3





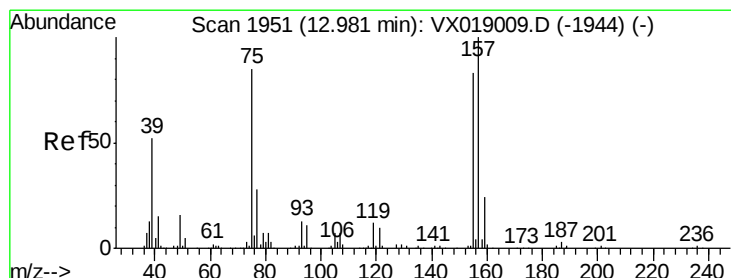
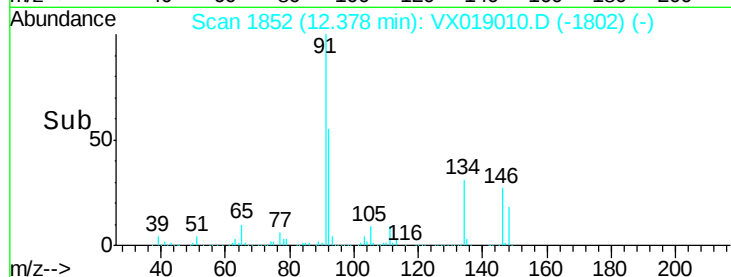
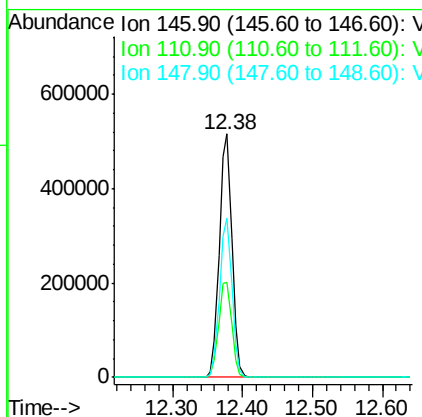
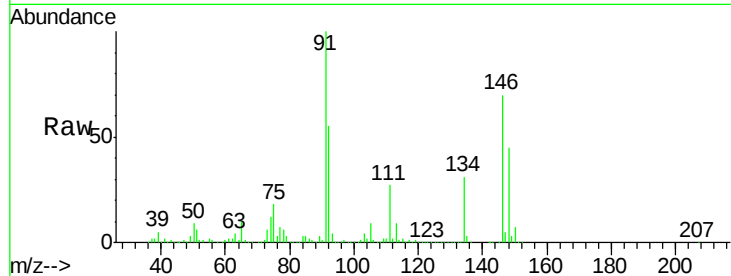
#91
 1,2-Dichlorobenzene
 Concen: 101.437 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX019010.D
 Acq: 21 Oct 2020 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.9	59.7
148	64.3	31.4	94.3

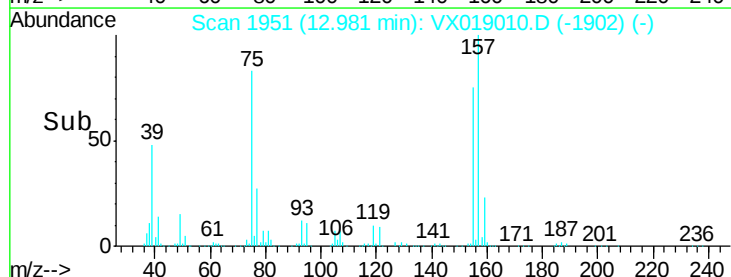
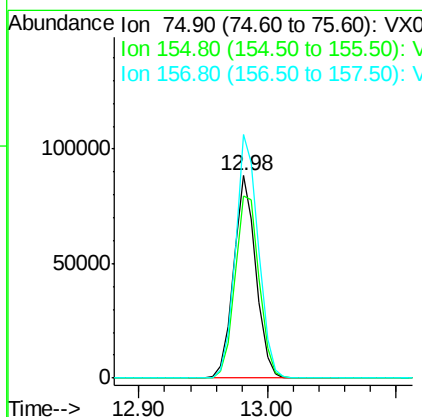
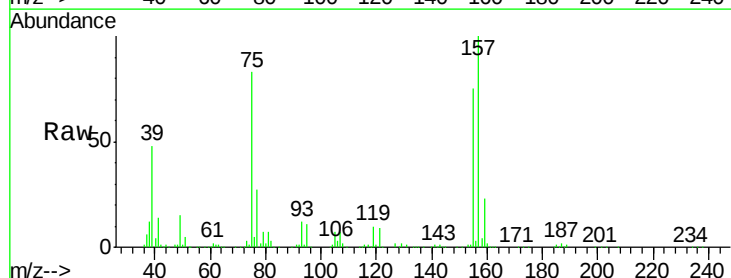
Manual Integrations
 APPROVED

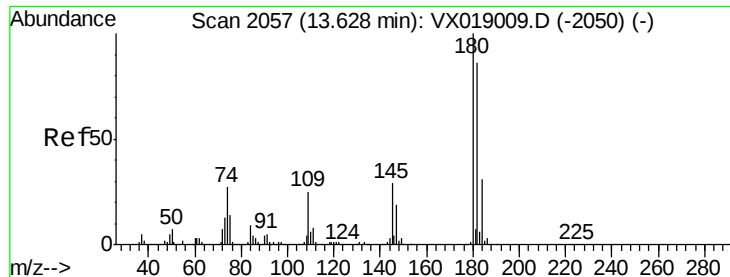
MMDadoda
 10/22/2020 1:22:00 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.320 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019010.D
 Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	47.3	142.0
157	123.7	59.7	179.0





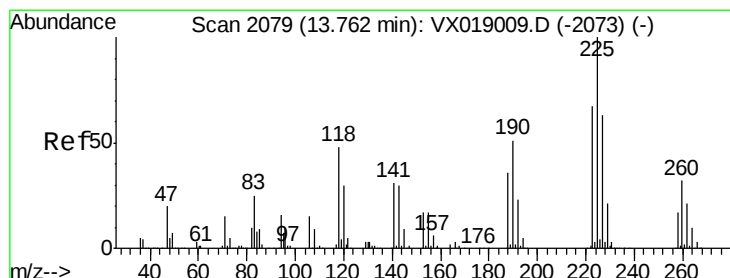
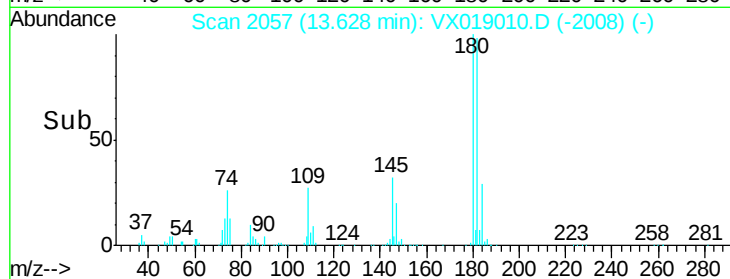
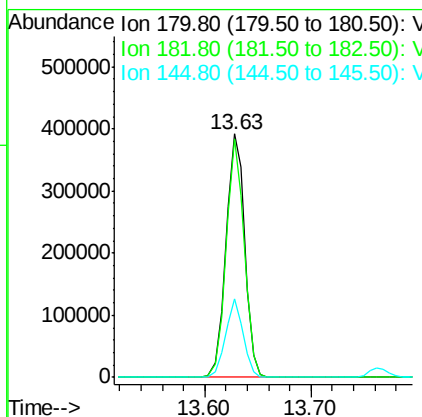
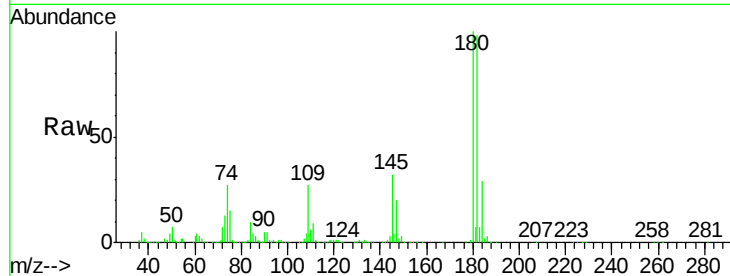
#93
 1,2,4-Trichlorobenzene
 Concen: 108.017 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019010.D
 Acq: 21 Oct 2020 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	482516		
182	94.4	46.4	139.2	
145	30.3	15.2	45.6	

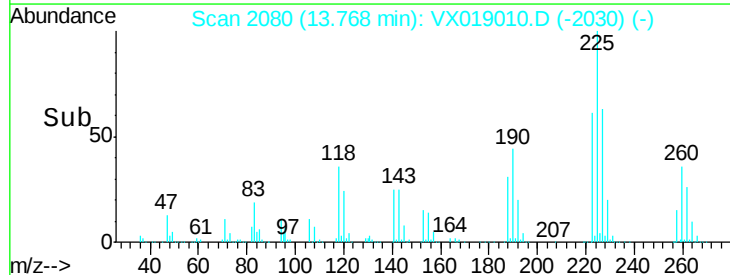
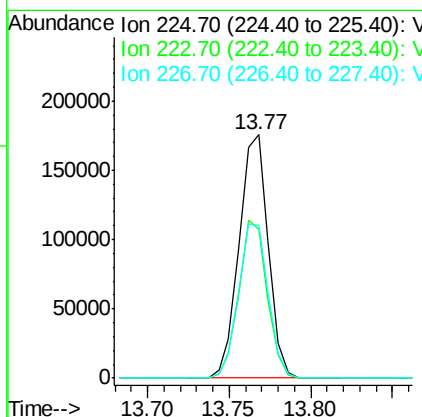
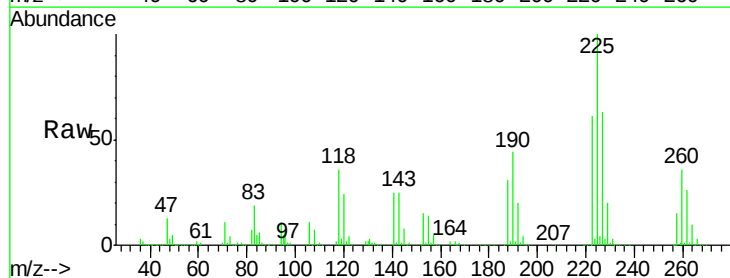
Manual Integrations
 APPROVED

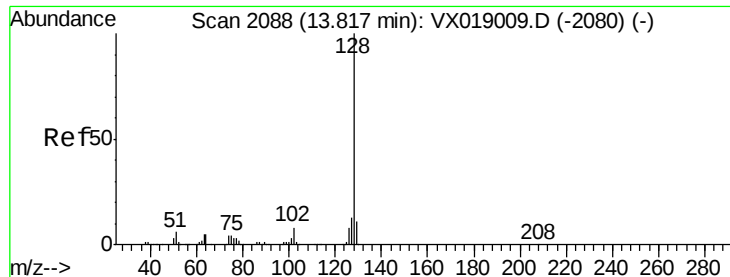
MMDadoda
 10/22/2020 1:22:00 PM



#94
 Hexachlorobutadiene
 Concen: 115.591 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX019010.D
 Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	219144		
223	63.2	32.5	97.4	
227	64.6	31.9	95.7	





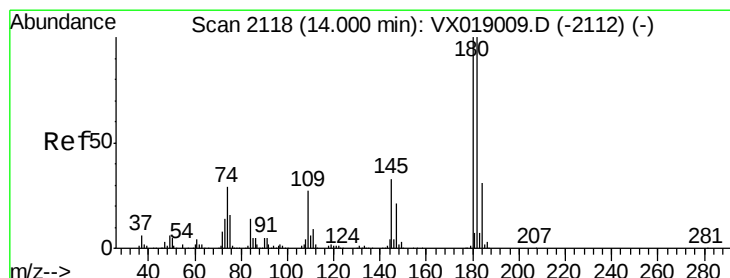
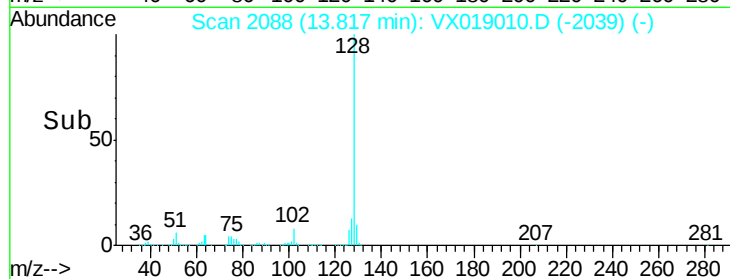
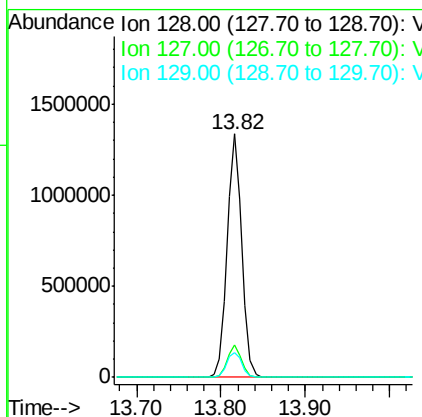
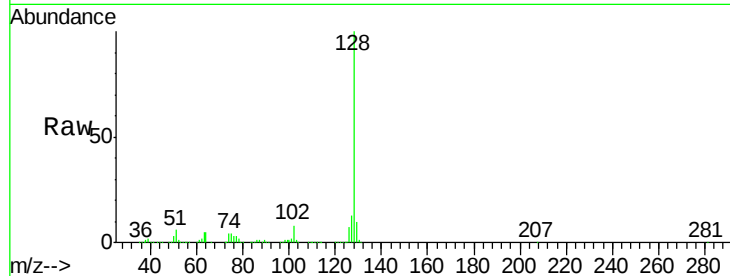
#95
Naphthalene
Concen: 118.216 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/22/2020 1:22:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 109.262 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX019010.D
Acq: 21 Oct 2020 19:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.3	142.0
145	32.3	15.9	47.6

