

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX070120\
 Data File : VX017137.D
 Acq On : 02 Jul 2020 06:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 9:15:43 AM

Quant Time: Jul 02 07:12:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	227225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	356840	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	341792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	189161	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	145932	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	5.47	113	119020	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	8.70	98	437565	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	11.12	95	171532	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	109511	49.817	ug/l	99
3) Chloromethane	1.31	50	118927	44.694	ug/l	98
4) Vinyl Chloride	1.39	62	115525	46.794	ug/l	99
5) Bromomethane	1.62	94	63737	48.865	ug/l	97
6) Chloroethane	1.71	64	70403	48.285	ug/l	99
7) Trichlorofluoromethane	1.92	101	189398	51.872	ug/l	96
8) Diethyl Ether	2.17	74	66023	53.714	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	109255	49.925	ug/l	98
10) Methyl Iodide	2.49	142	133331	47.217	ug/l	98
11) Tert butyl alcohol	3.02	59	143698	268.900	ug/l	100
12) 1,1-Dichloroethene	2.36	96	110551	49.176	ug/l	99
13) Acrolein	2.27	56	52721	165.037	ug/l	98
14) Allyl chloride	2.71	41	189419	45.593	ug/l	98
15) Acrylonitrile	3.12	53	331731	258.226	ug/l	99
16) Acetone	2.42	43	280179	267.368	ug/l	99
17) Carbon Disulfide	2.55	76	311974	49.730	ug/l	100
18) Methyl Acetate	2.75	43	150282	54.936	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	388103	51.439	ug/l	100
20) Methylene Chloride	2.83	84	127420	53.066	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	124906	50.067	ug/l	97
22) Diisopropyl ether	3.82	45	393106	51.122	ug/l	99
23) Vinyl Acetate	3.79	43	1687560	255.395	ug/l	100
24) 1,1-Dichloroethane	3.67	63	217591	49.732	ug/l	99
25) 2-Butanone	4.64	43	458138	262.379	ug/l	98
26) 2,2-Dichloropropane	4.56	77	128423	33.057	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	136246	48.199	ug/l	97
28) Bromochloromethane	4.98	49	99145	46.567	ug/l	98
29) Tetrahydrofuran	5.09	42	296972	257.412	ug/l	98
30) Chloroform	5.18	83	228869	51.029	ug/l	98
31) Cyclohexane	5.55	56	182081	48.146	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	208792	50.548	ug/l	99
36) 1,1-Dichloropropene	5.77	75	163896	48.597	ug/l	99
37) Ethyl Acetate	4.80	43	176352	51.537	ug/l	100
38) Carbon Tetrachloride	5.75	117	189863	51.112	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	179245	47.768	ug/l	99
40) Benzene	6.12	78	489427	49.391	ug/l	98
41) Methacrylonitrile	5.01	41	97632	50.694	ug/l	99
42) 1,2-Dichloroethane	6.16	62	184601	51.575	ug/l	99
43) Isopropyl Acetate	6.42	43	283293	49.822	ug/l	99
44) Trichloroethene	7.19	130	142350	52.071	ug/l	100
45) 1,2-Dichloropropane	7.49	63	126336	49.639	ug/l	98
46) Dibromomethane	7.64	93	89225	51.350	ug/l	97
47) Bromodichloromethane	7.88	83	188032	52.510	ug/l	99
48) Methyl methacrylate	7.74	41	143876	53.259	ug/l	99
49) 1,4-Dioxane	7.71	88	64086	1047.150	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	908356	267.993	ug/l	100
52) Toluene	8.77	92	312832	50.565	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	192261	48.663	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	201518	47.581	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	130974	51.815	ug/l	99
56) Ethyl methacrylate	9.16	69	193764	53.857	ug/l	99
57) 1,3-Dichloropropane	9.35	76	218984	51.199	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	496818	277.462	ug/l	99
59) 2-Hexanone	9.47	43	692163	279.611	ug/l	99
60) Dibromochloromethane	9.57	129	157318	53.585	ug/l	100
61) 1,2-Dibromoethane	9.65	107	141724	52.161	ug/l	99
64) Tetrachloroethene	9.32	164	139661	50.630	ug/l	96
65) Chlorobenzene	10.12	112	344013	48.766	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	138071	50.786	ug/l	99
67) Ethyl Benzene	10.24	91	604931	51.349	ug/l	100
68) m/p-Xylenes	10.34	106	466485	103.125	ug/l	97
69) o-Xylene	10.68	106	220036	51.133	ug/l	99
70) Styrene	10.70	104	395935	54.032	ug/l	100
71) Bromoform	10.84	173	120906	56.082	ug/l #	98
73) Isopropylbenzene	11.00	105	603207	48.684	ug/l	99
74) N-amyl acetate	10.88	43	254231	48.088	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	185605	47.622	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	177998m	47.852	ug/l	
77) Bromobenzene	11.24	156	161789	47.511	ug/l	98
78) n-propylbenzene	11.34	91	681605	48.647	ug/l	99
79) 2-Chlorotoluene	11.40	91	414453	48.875	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	523091	50.897	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	59877	41.686	ug/l	94
82) 4-Chlorotoluene	11.49	91	494803	48.811	ug/l	100
83) tert-Butylbenzene	11.76	119	503612	49.918	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	528848	50.722	ug/l	100
85) sec-Butylbenzene	11.93	105	587138	49.509	ug/l	100
86) p-Isopropyltoluene	12.05	119	553507	50.137	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	289858	46.867	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	297088	50.940	ug/l	99
89) n-Butylbenzene	12.37	91	464488	47.120	ug/l	99
90) Hexachloroethane	12.58	117	103708	47.636	ug/l	98
91) 1,2-Dichlorobenzene	12.37	146	281004	48.607	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	44526	47.890	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	182317	46.205	ug/l	98
94) Hexachlorobutadiene	13.77	225	75413	50.352	ug/l	94
95) Naphthalene	13.82	128	611339	50.962	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	186270	48.779	ug/l	99

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

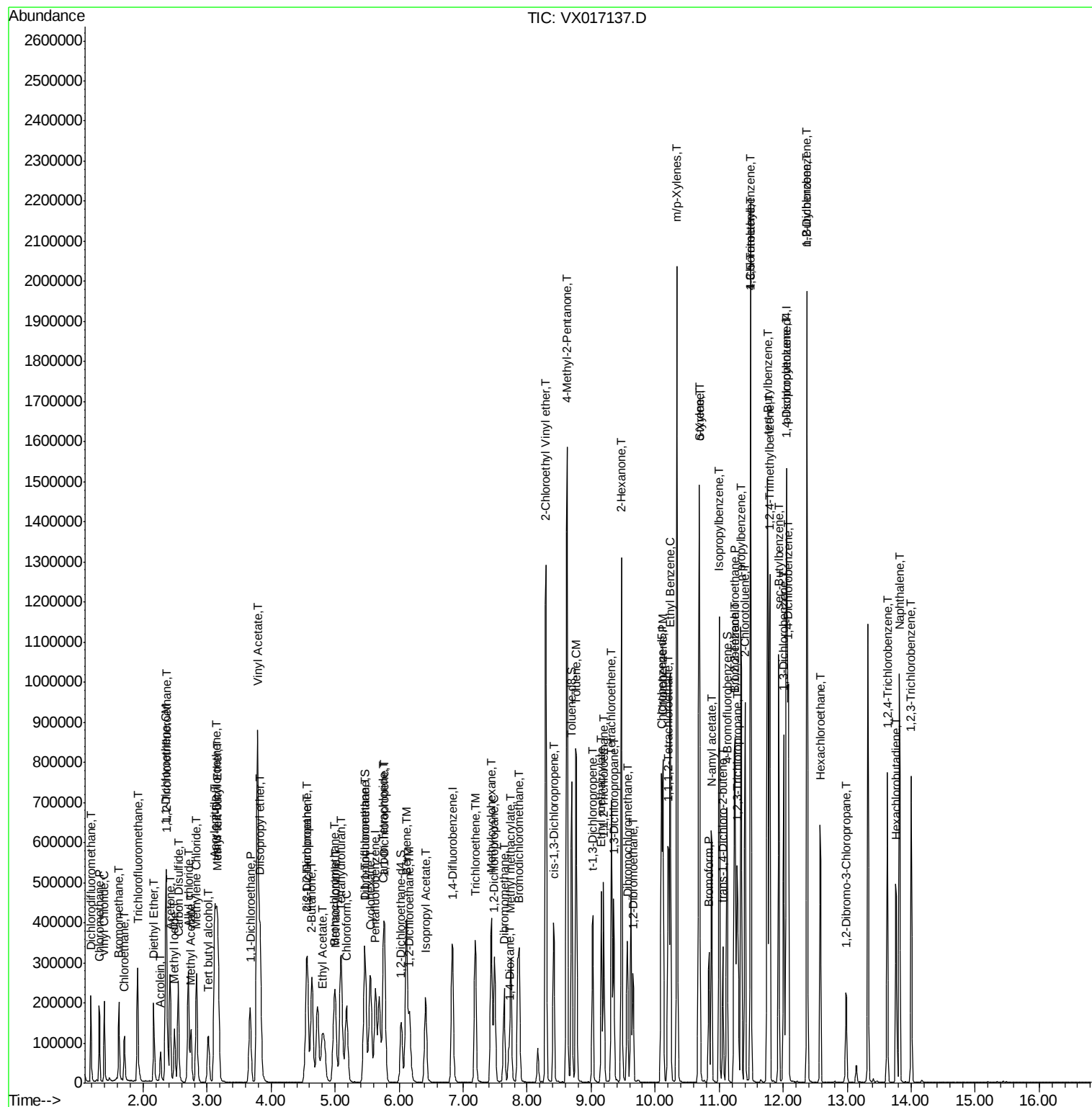
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 Data File : VX017137.D
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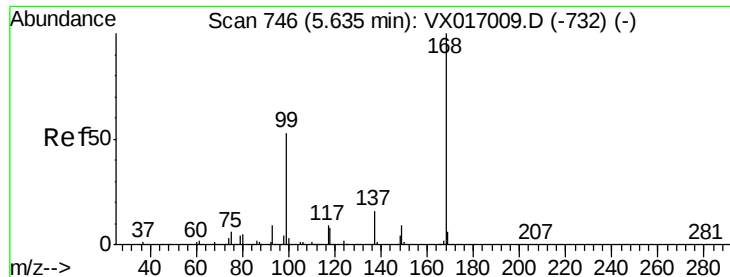
Instrument :
 MSVOA_X
 ClientSampleID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 227225

Ion Ratio Lower Upper

168 100

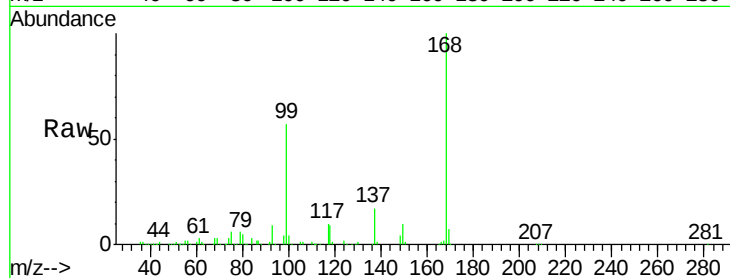
99 56.4 42.6 64.0

Manual Integrations

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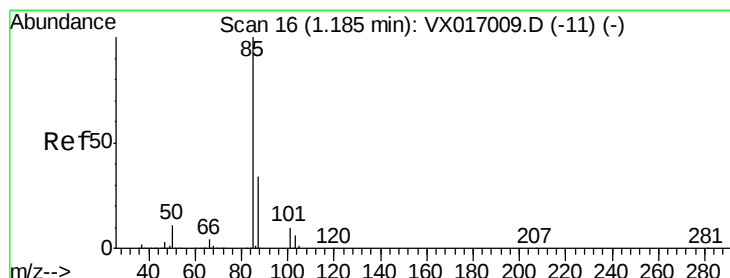
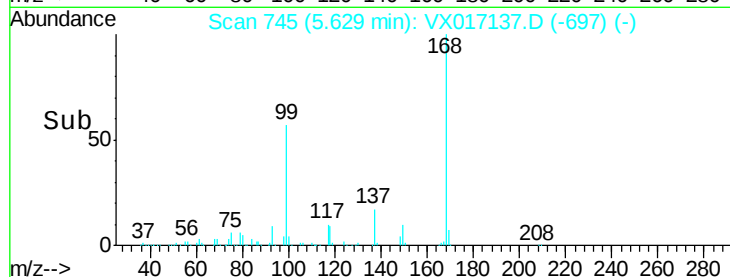
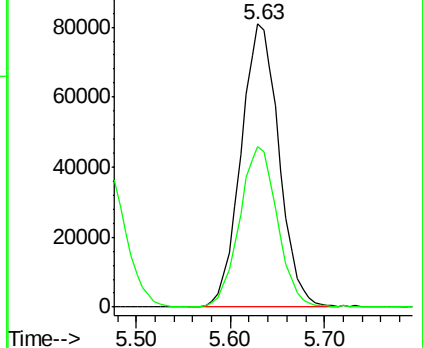
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 49.817 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017137.D

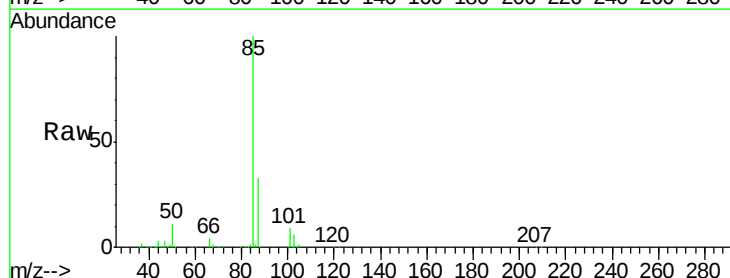
Acq: 02 Jul 2020 06:48

Tgt Ion: 85 Resp: 109511

Ion Ratio Lower Upper

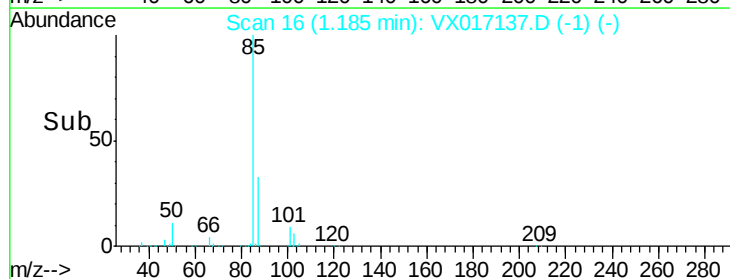
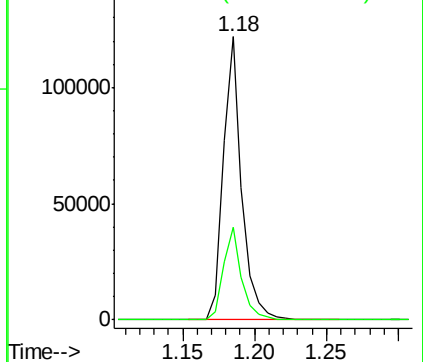
85 100

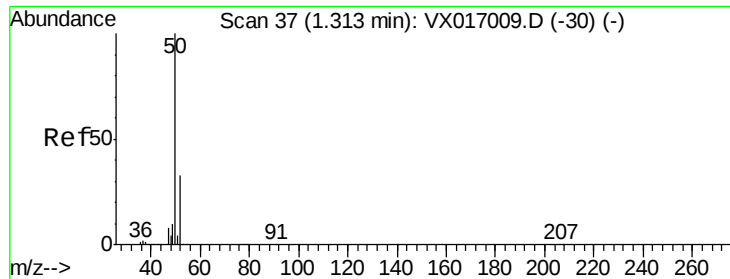
87 32.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 44.694 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 118927

Ion Ratio Lower Upper

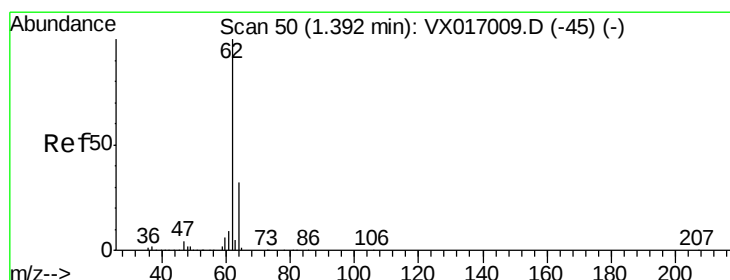
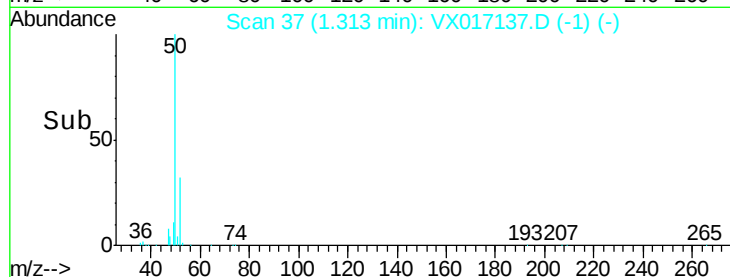
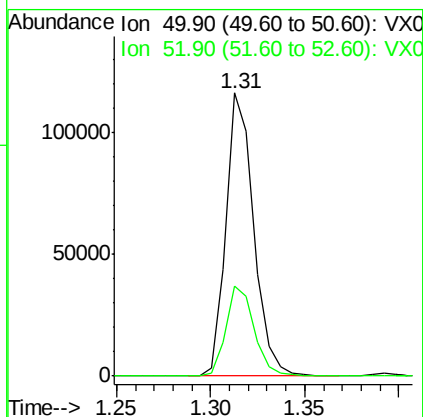
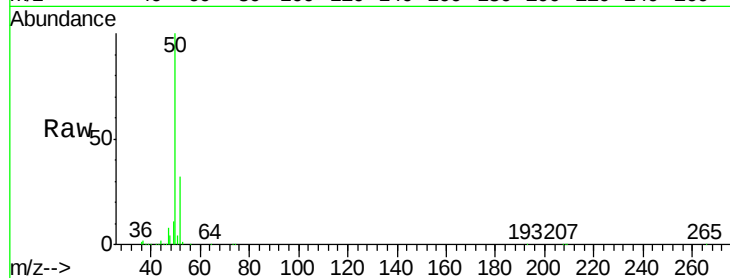
50 100

52 31.7 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 46.794 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017137.D

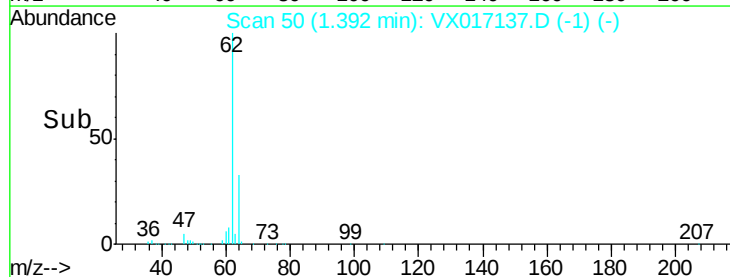
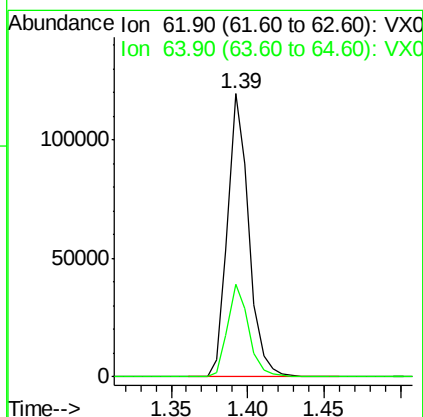
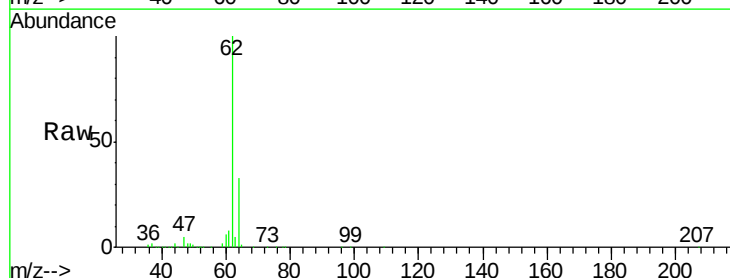
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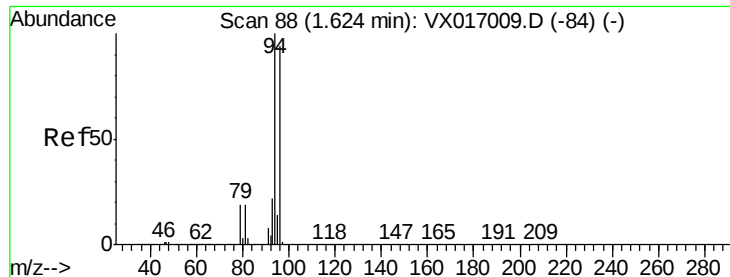
Tgt Ion: 62 Resp: 115525

Ion Ratio Lower Upper

62 100

64 32.8 25.9 38.9





#5

Bromomethane

Concen: 48.865 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 63737

Ion Ratio Lower Upper

94 100

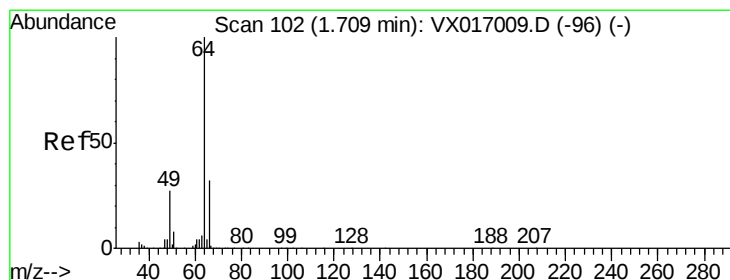
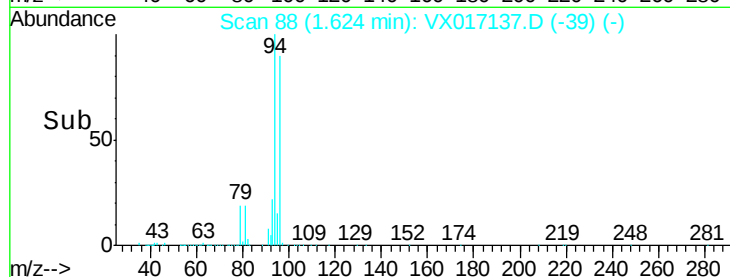
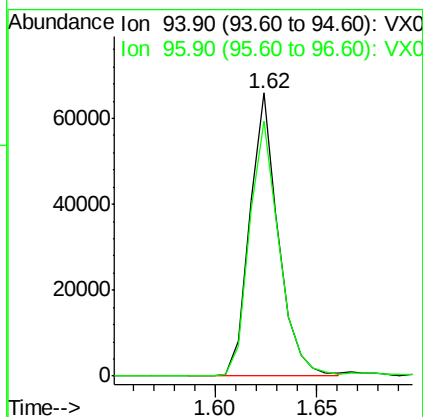
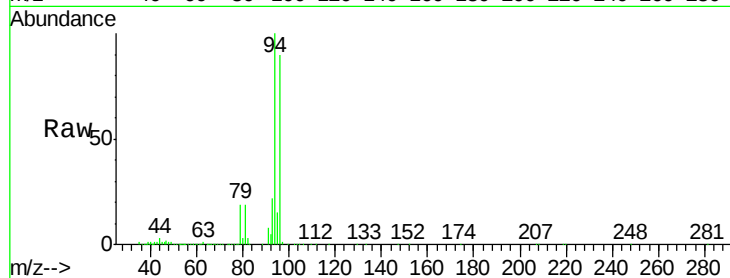
96 90.5 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 48.285 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017137.D

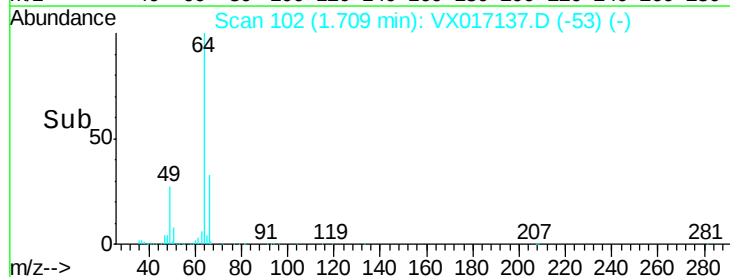
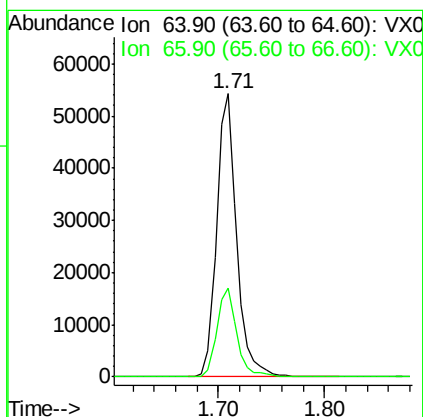
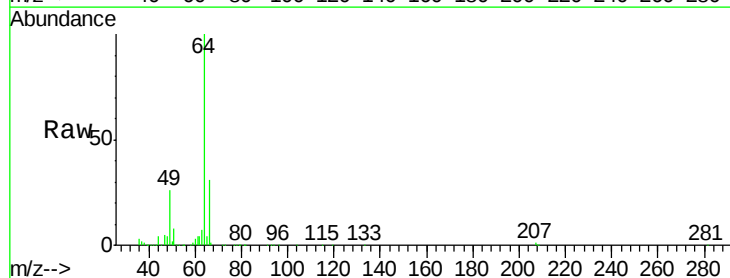
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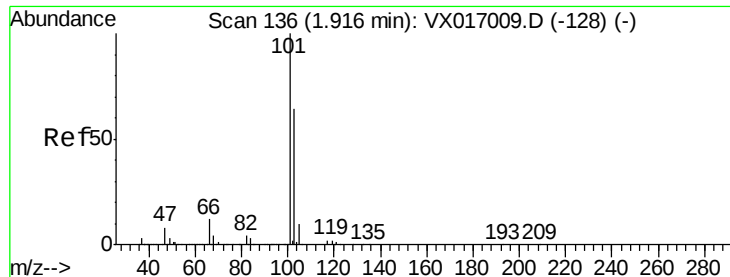
Tgt Ion: 64 Resp: 70403

Ion Ratio Lower Upper

64 100

66 31.4 25.5 38.3





#7

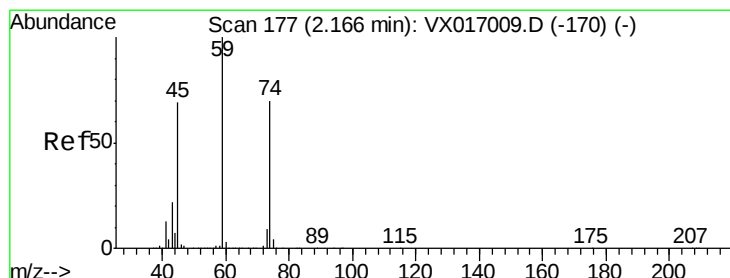
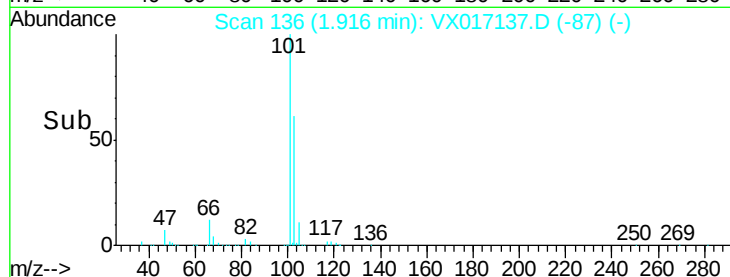
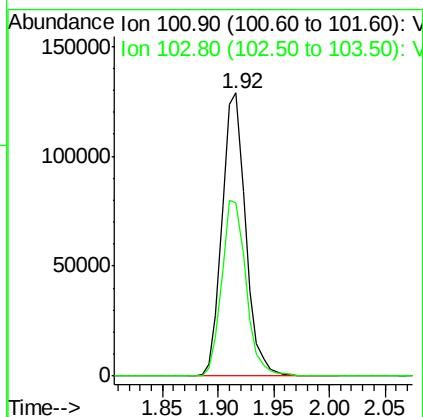
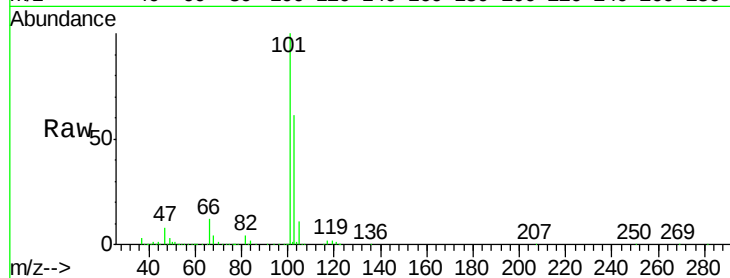
Trichlorofluoromethane
 Concen: 51.872 ug/l
 RT: 1.92 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VX017137.D
 Acq: 02 Jul 2020 06:48

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.5	77.3

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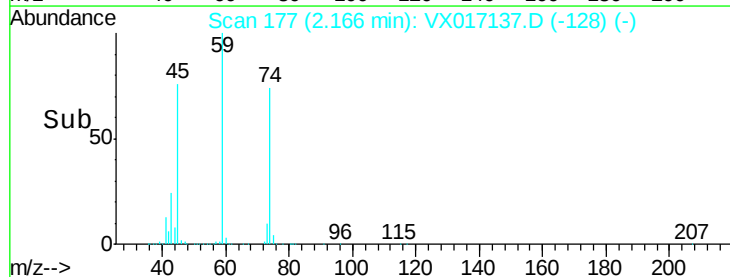
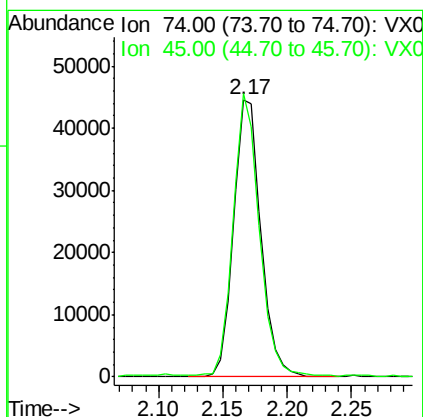
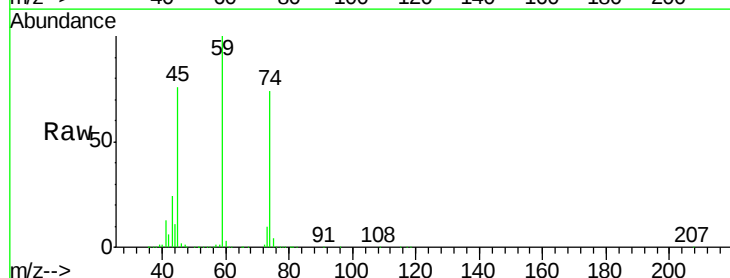
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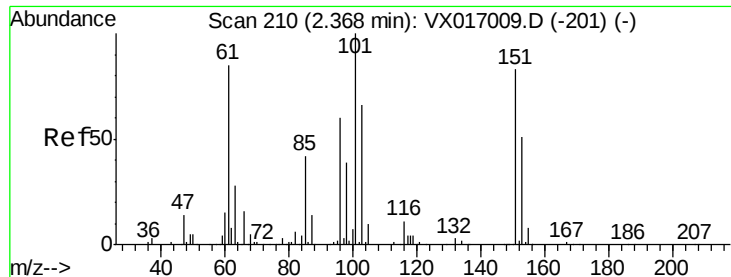


#8

Diethyl Ether
 Concen: 53.714 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VX017137.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.925 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

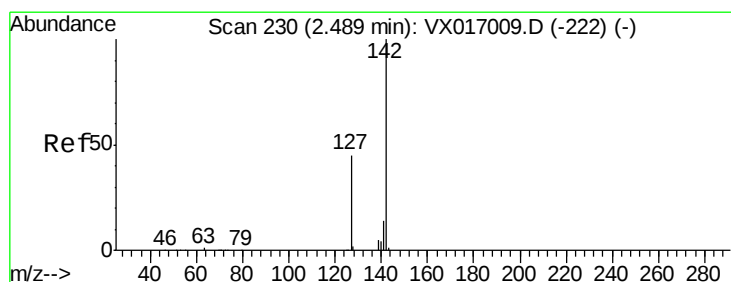
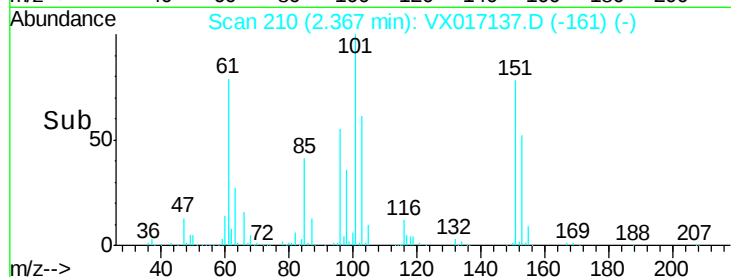
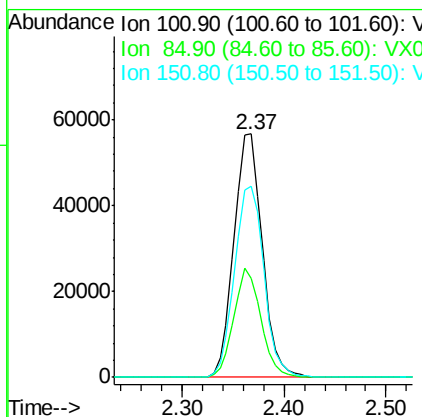
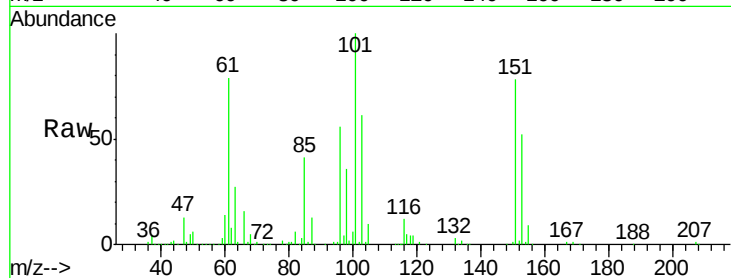
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	109255
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.5	50.3
151	81.6	63.8	95.6

Manual Integrations
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#10

Methyl Iodide

Concen: 47.217 ug/l

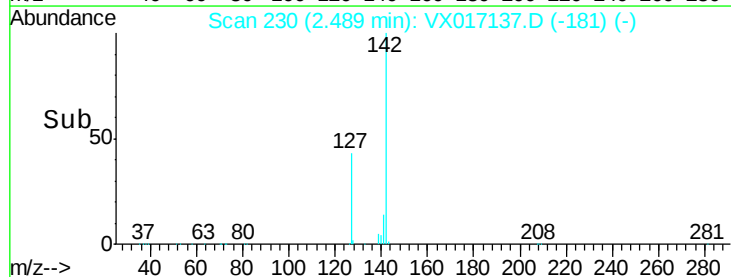
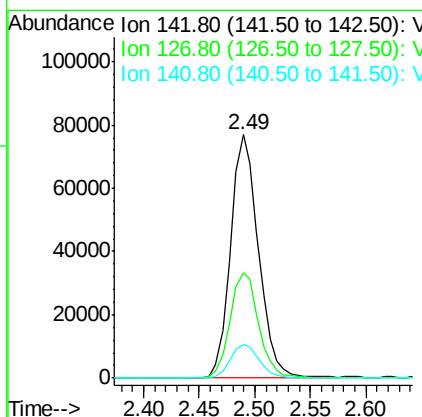
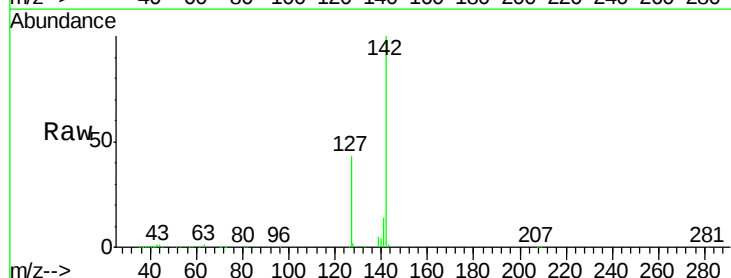
RT: 2.49 min Scan# 230

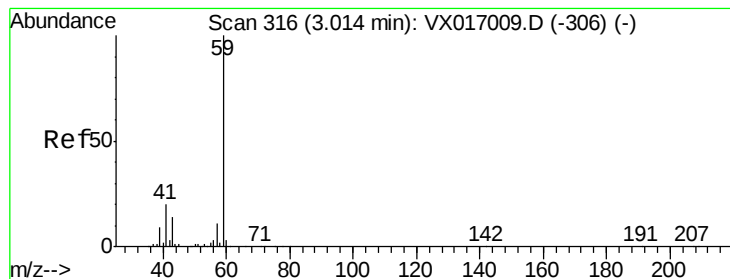
Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Tgt Ion:	142	Resp:	133331
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.6	54.8
141	14.1	11.6	17.4





#11

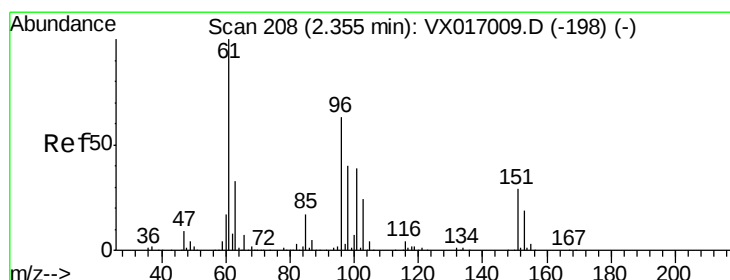
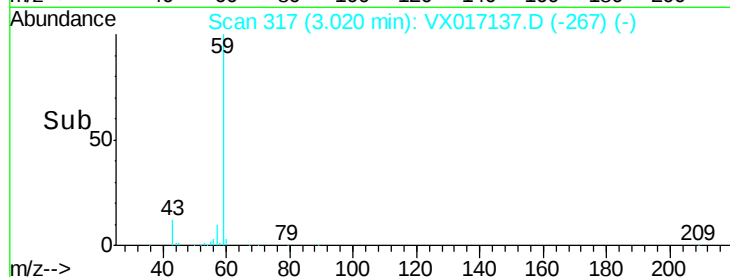
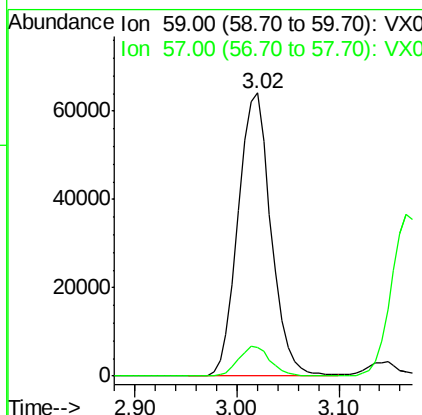
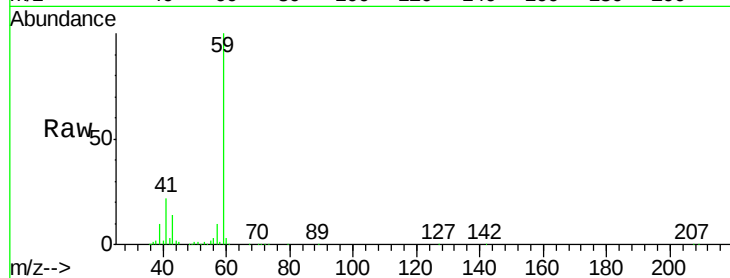
Tert butyl alcohol
Concen: 268.900 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.4	Resp	143698	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.4	Resp	143698	Lower	8.2	Upper	12.2

Manual Integrations
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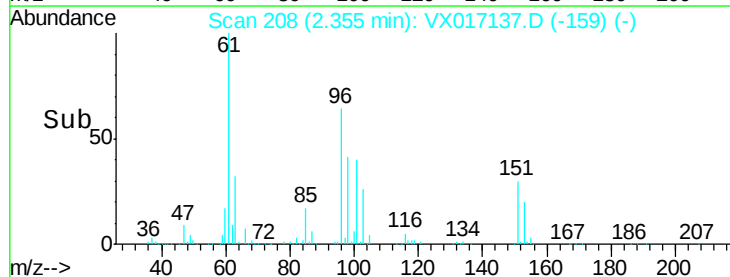
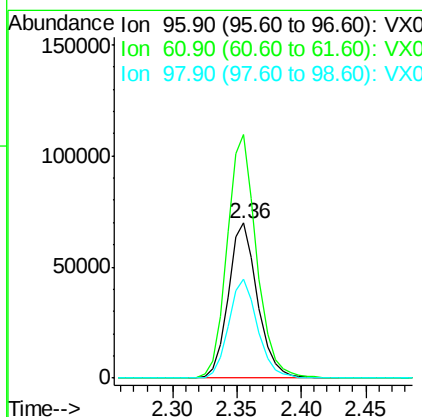
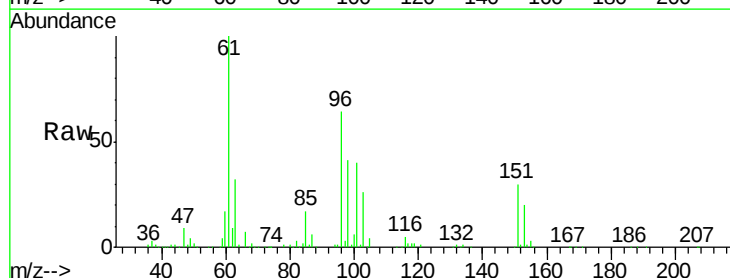
MMDadoda
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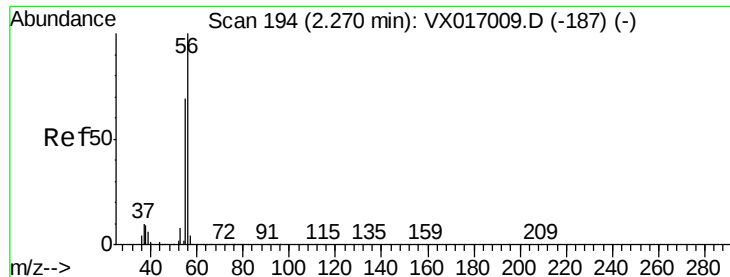


#12

1,1-Dichloroethene
Concen: 49.176 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion	96	61	98	Ratio	100	156.9	64.0	Resp	110551	Lower	126.3	Upper	189.5	76.6
Ion	96	61	98	Ratio	100	156.9	64.0	Resp	110551	Lower	126.3	Upper	189.5	76.6





#13

Acrolein

Concen: 165.037 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 52721

Ion Ratio Lower Upper

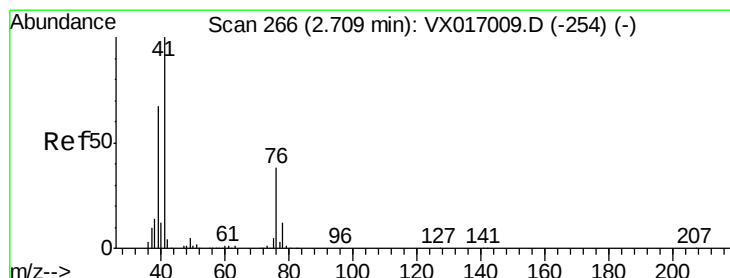
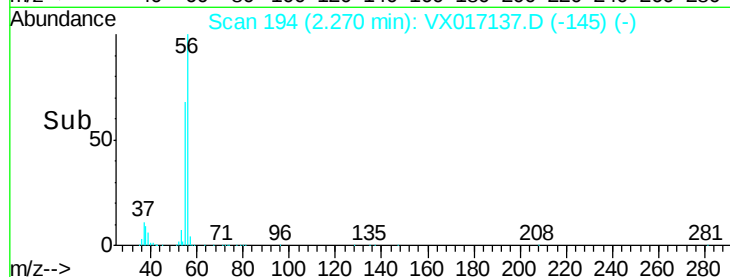
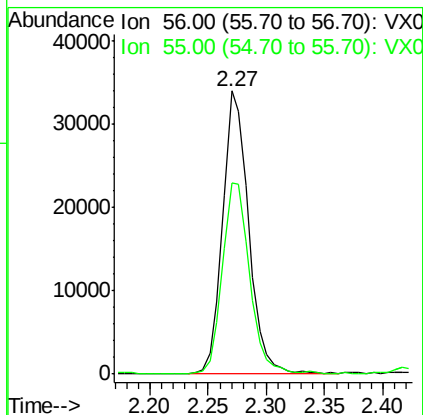
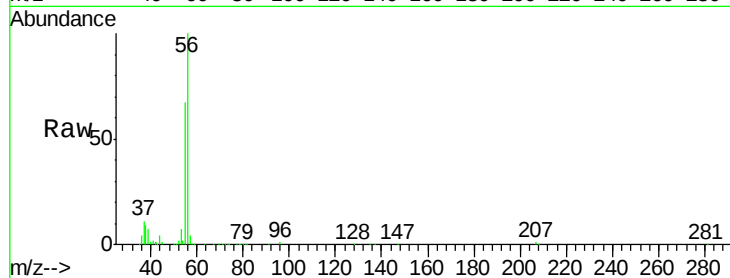
56 100

55 71.0 55.7 83.5

Manual Integrations
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#14

Allyl chloride

Concen: 45.593 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

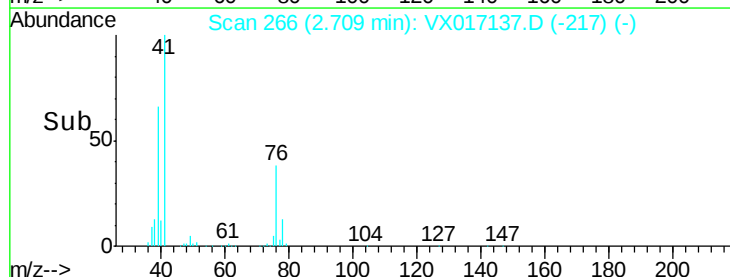
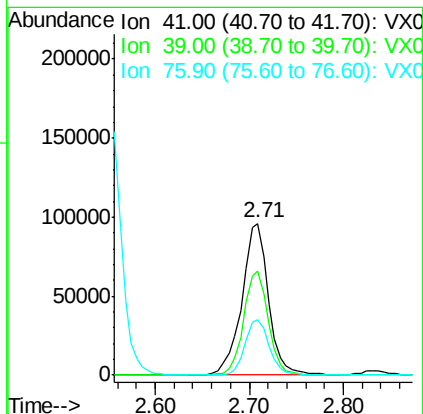
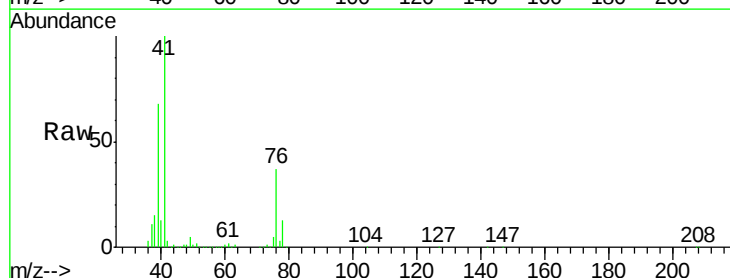
Tgt Ion: 41 Resp: 189419

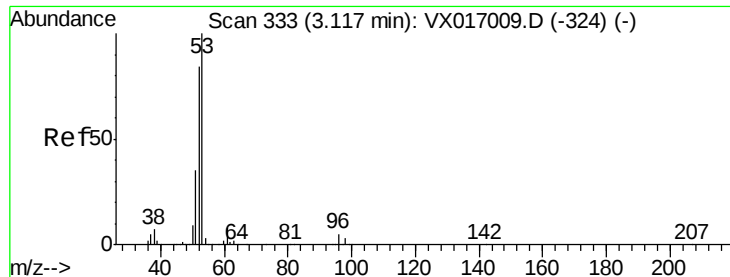
Ion Ratio Lower Upper

41 100

39 63.7 49.4 74.2

76 33.4 26.8 40.2





#15

Acrylonitrile

Concen: 258.226 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

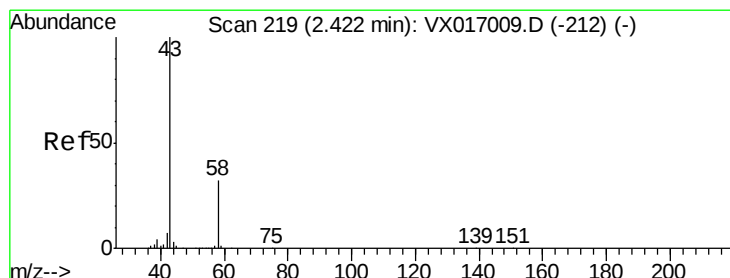
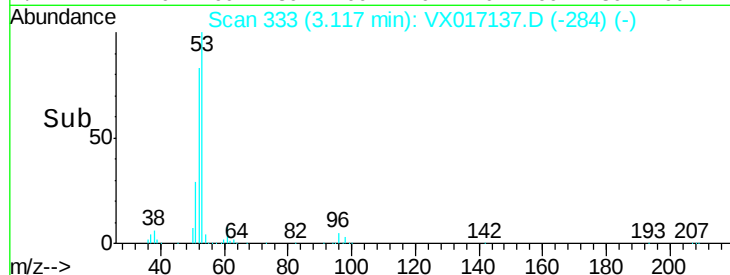
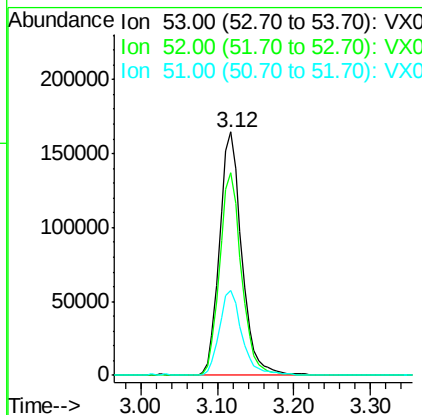
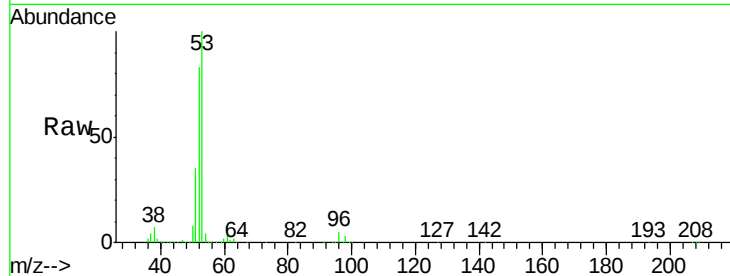
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	331731
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.6	98.4
51	35.6	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 267.368 ug/l

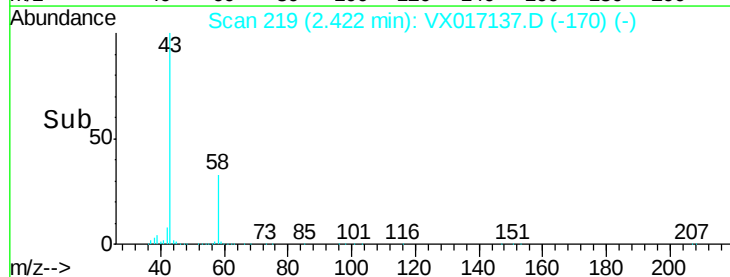
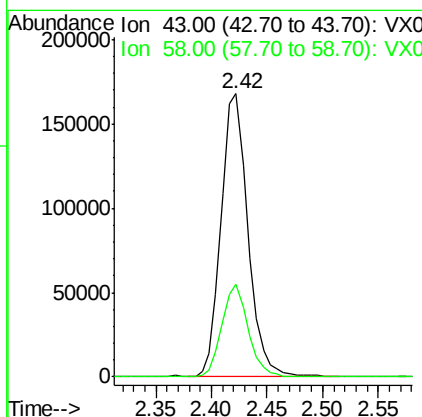
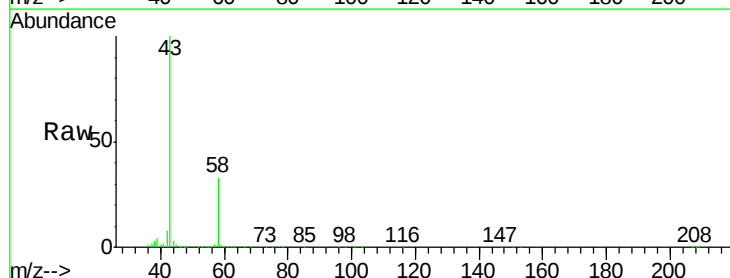
RT: 2.42 min Scan# 219

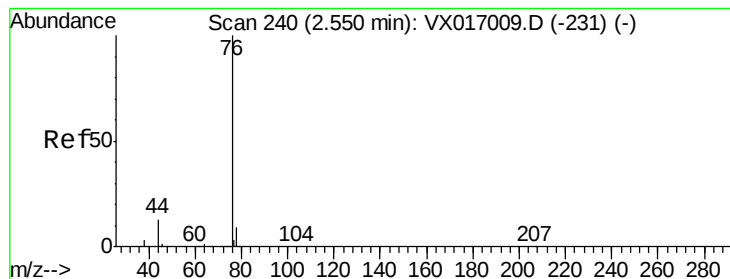
Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Tgt Ion:	43	Resp:	280179
Ion Ratio	Lower	Upper	
43	100		
58	32.7	25.7	38.5





#17

Carbon Disulfide

Concen: 49.730 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 311974

Ion Ratio Lower Upper

76 100

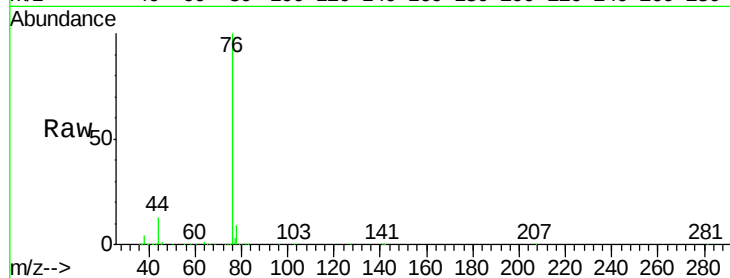
78 9.0 7.2 10.8

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

2.55

200000

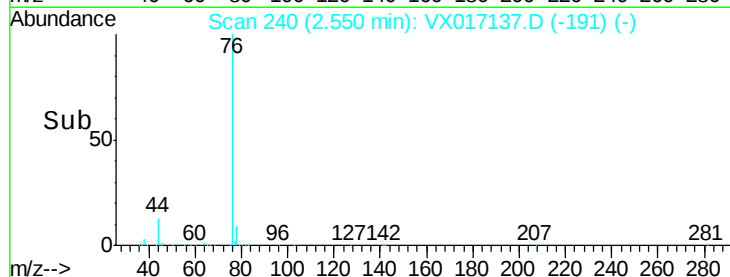
150000

100000

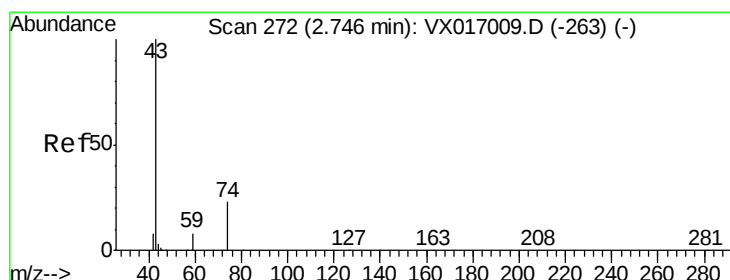
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 54.936 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX017137.D

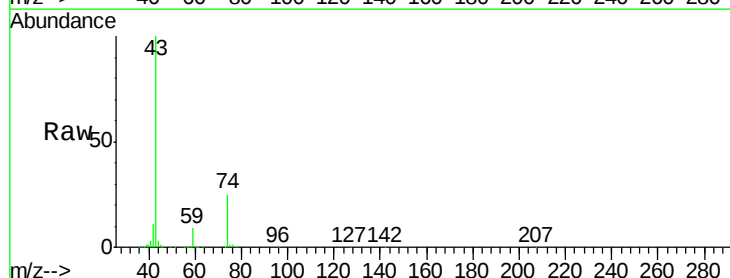
Acq: 02 Jul 2020 06:48

Tgt Ion: 43 Resp: 150282

Ion Ratio Lower Upper

43 100

74 24.2 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

80000

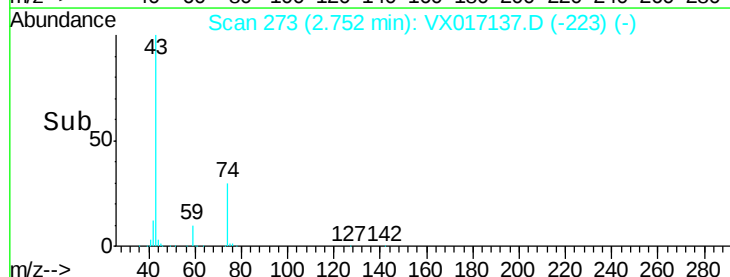
60000

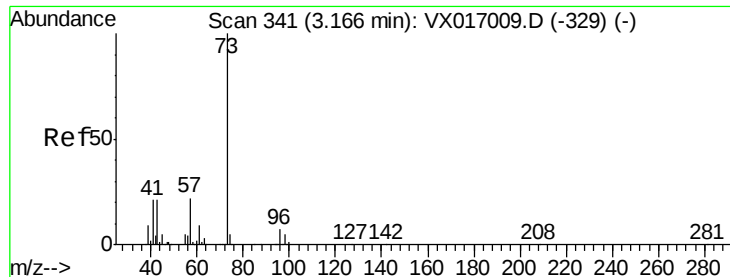
40000

20000

0

Time-->





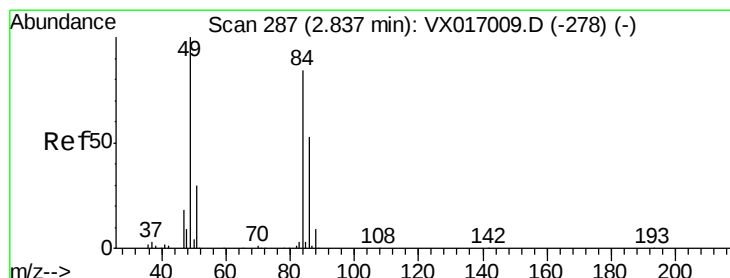
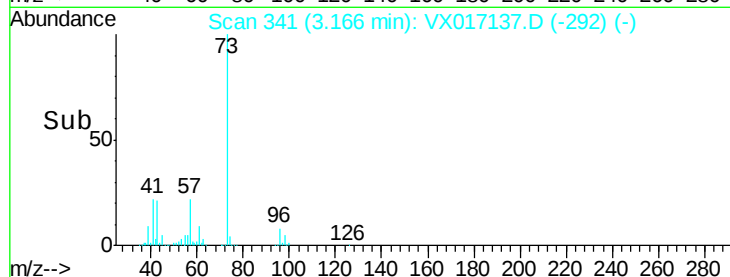
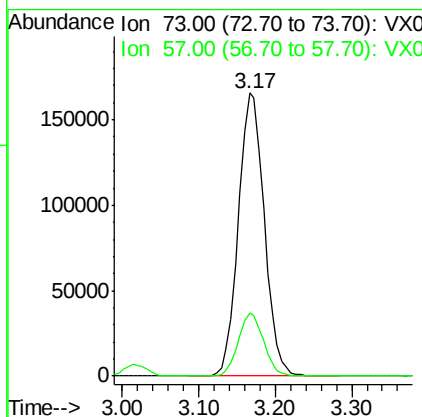
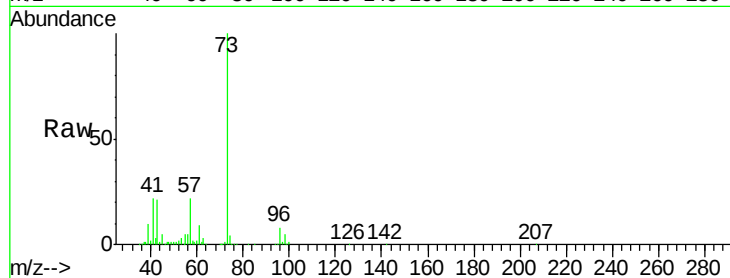
#19
Methyl tert-butyl Ether
Concen: 51.439 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.6	26.4

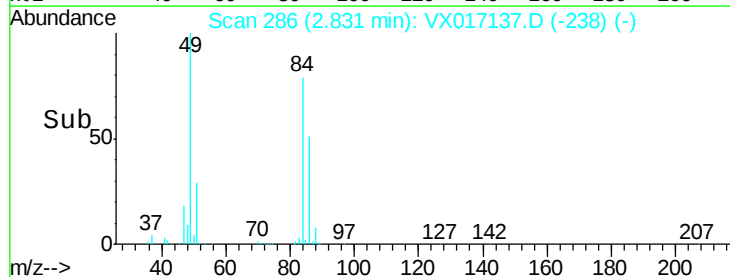
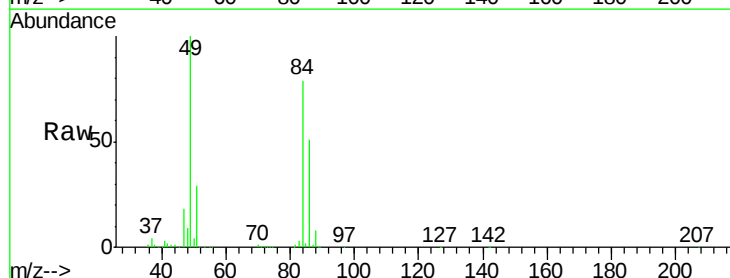
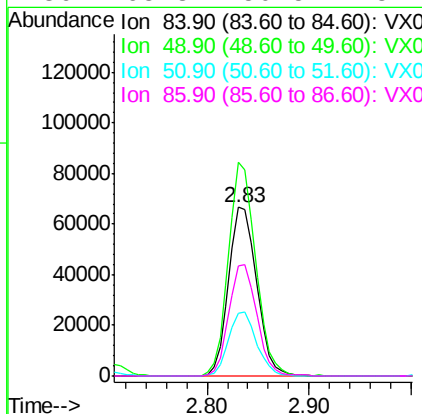
Manual Integrations
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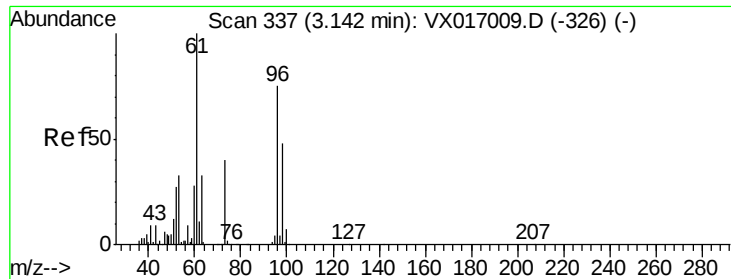
MMDadoda
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#20
Methylene Chloride
Concen: 53.066 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.7	94.7	142.1
51	37.4	28.6	42.8
86	65.3	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 50.067 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

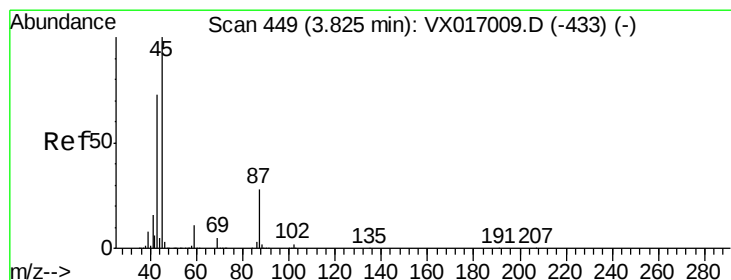
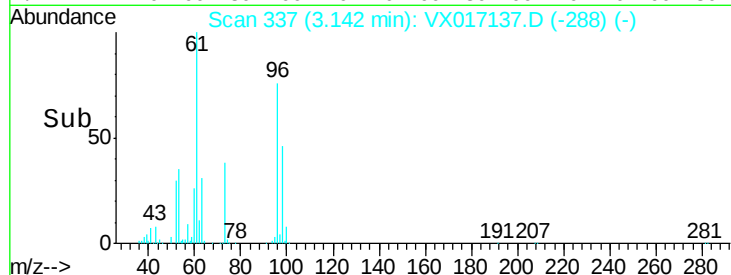
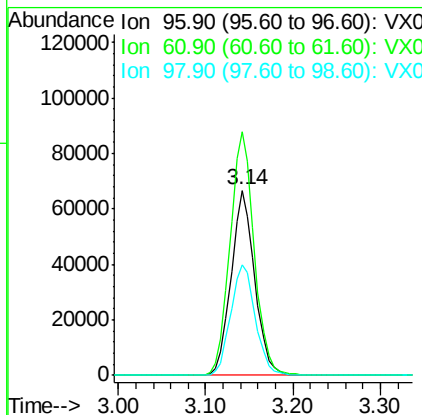
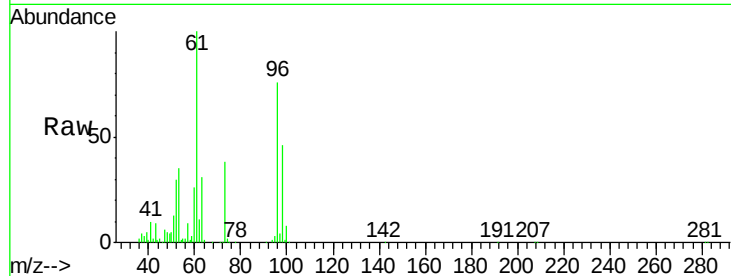
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	124906
Ion	Ratio	Lower	Upper
96	100		
61	131.8	107.0	160.6
98	60.0	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.122 ug/l

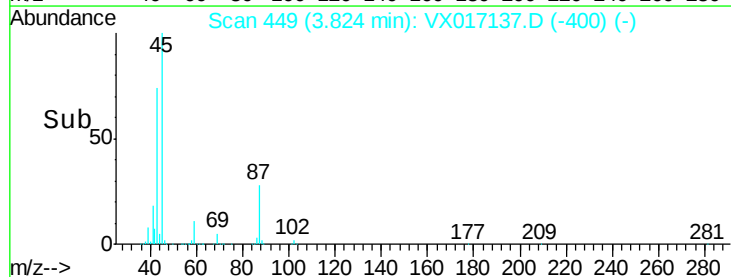
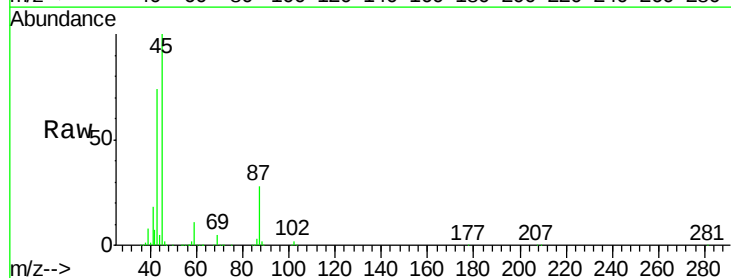
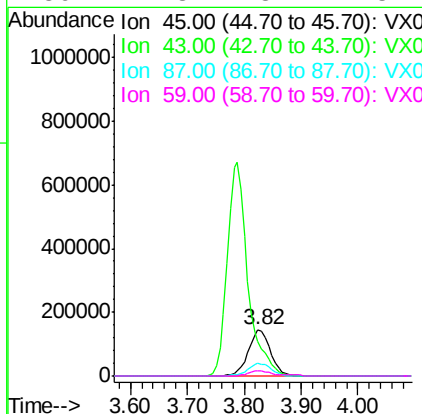
RT: 3.82 min Scan# 449

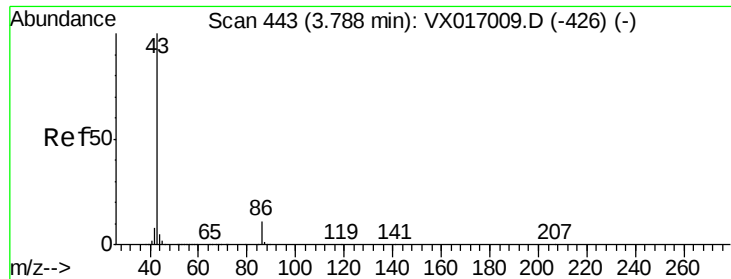
Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Tgt Ion:	45	Resp:	393106
Ion	Ratio	Lower	Upper
45	100		
43	74.0	58.6	88.0
87	28.0	22.6	34.0
59	11.3	8.7	13.1





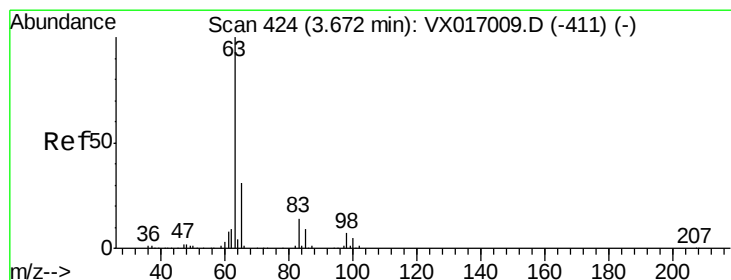
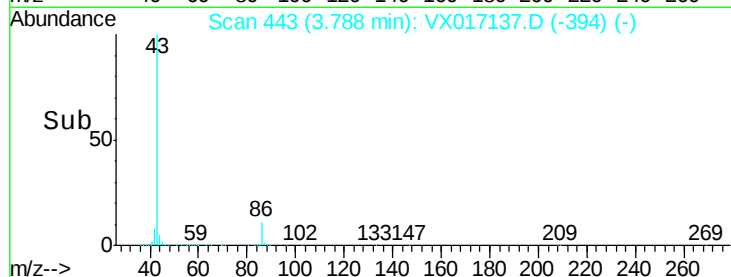
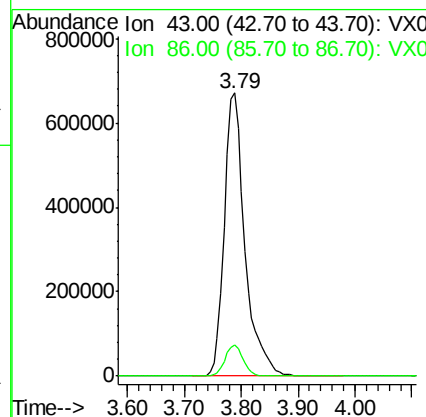
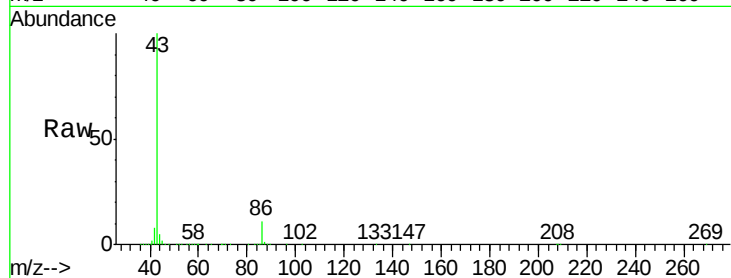
#23
 Vinyl Acetate
 Concen: 255.395 ug/l
 RT: 3.79 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: VX017137.D
 Acq: 02 Jul 2020 06:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1687560
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0

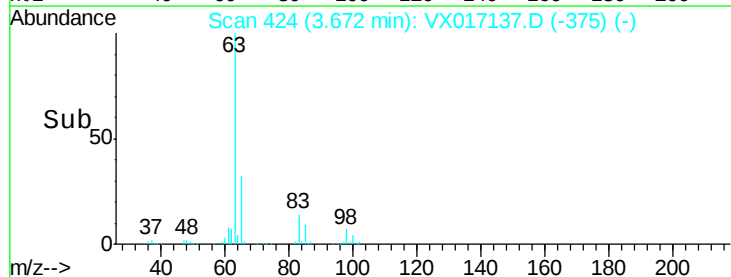
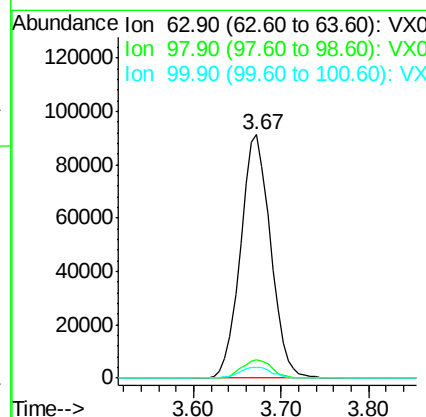
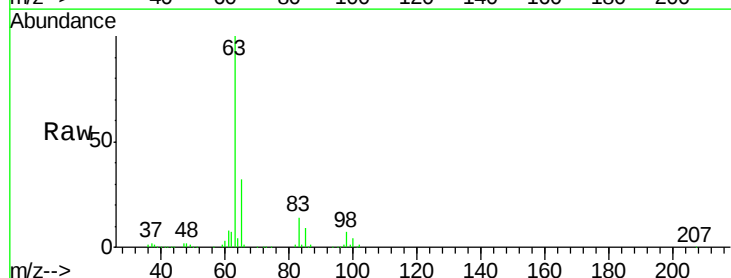
Manual Integrations
 APPROVED

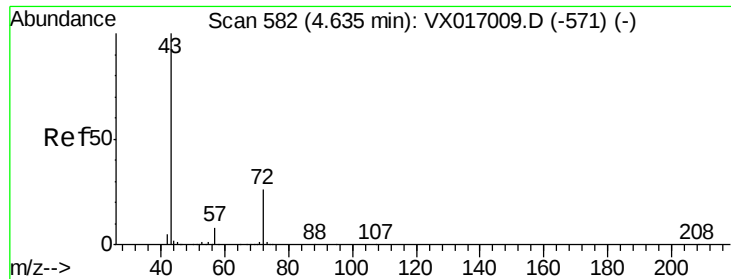
MMDadoda
 7/2/2020 9:15:43 AM



#24
 1,1-Dichloroethane
 Concen: 49.732 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VX017137.D
 Acq: 02 Jul 2020 06:48

Tgt Ion: 63 Resp: 217591
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.6 10.8
 100 4.4 2.4 7.1





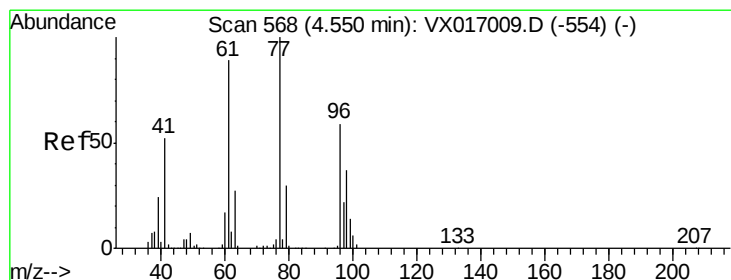
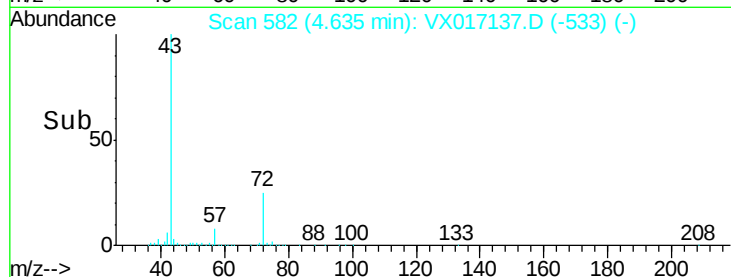
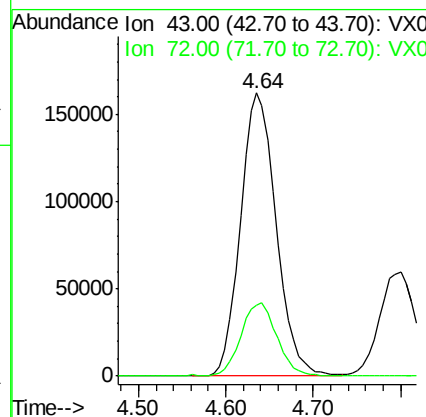
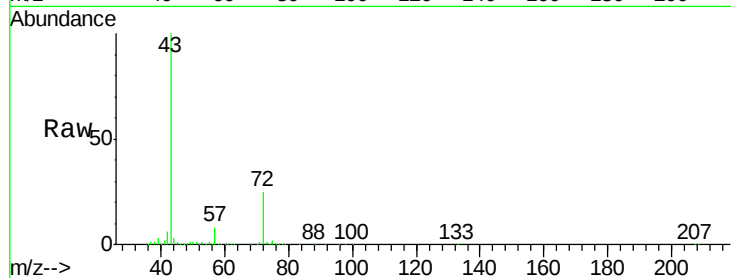
#25
2-Butanone
Concen: 262.379 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 458138
Ion Ratio Lower Upper
43 100
72 24.9 20.8 31.2

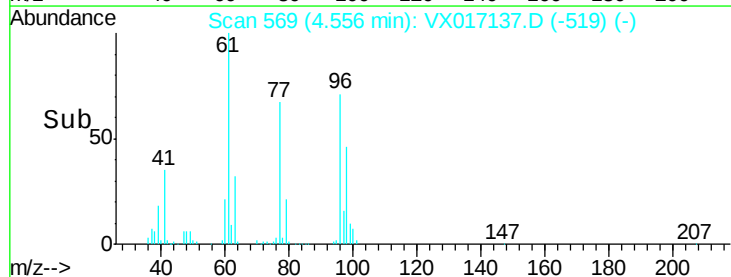
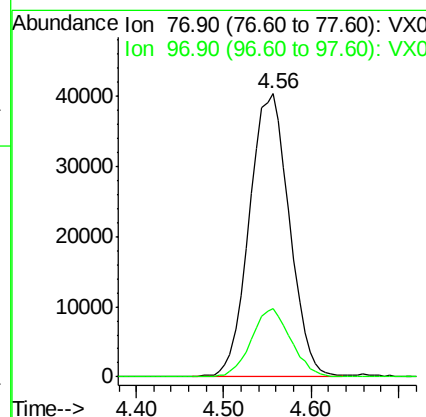
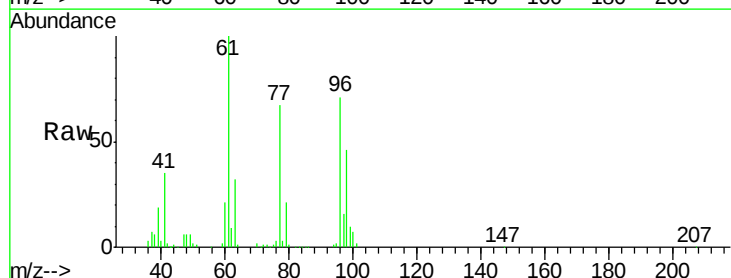
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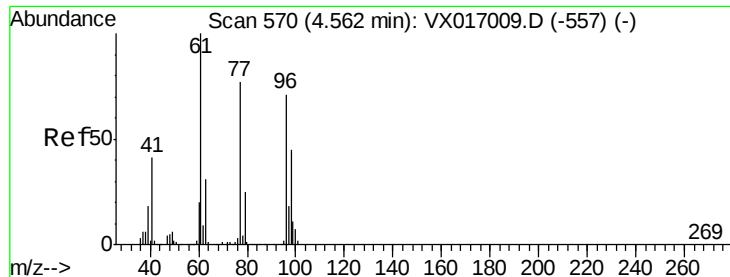
MMDadoda
7/2/2020 9:15:43 AM



#26
2,2-Dichloropropane
Concen: 33.057 ug/l
RT: 4.56 min Scan# 569
Delta R.T. 0.01 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion: 77 Resp: 128423
Ion Ratio Lower Upper
77 100
97 23.7 11.4 34.2





#27

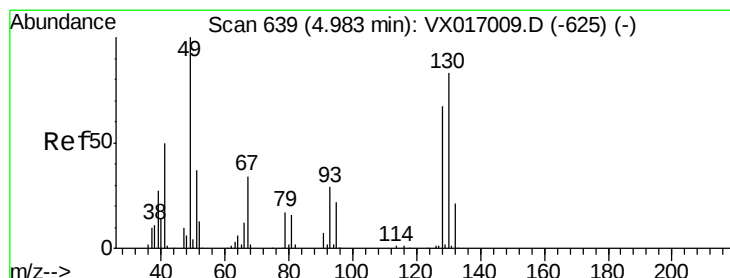
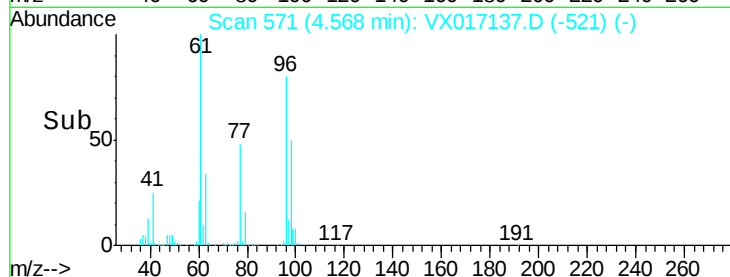
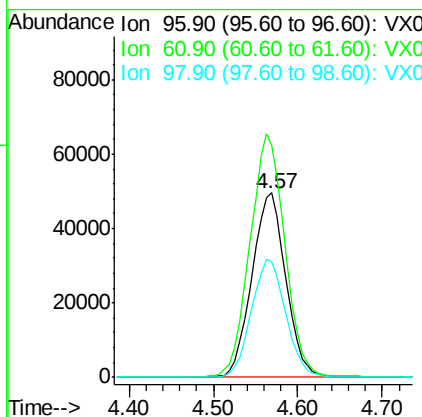
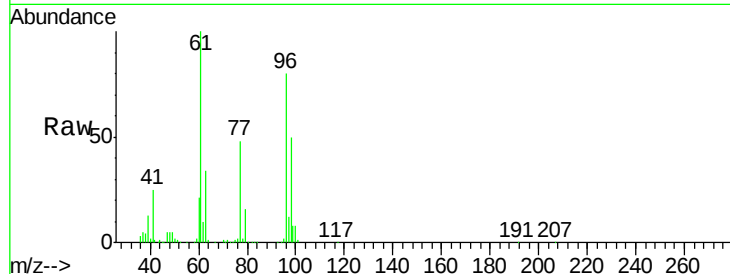
cis-1,2-Dichloroethene
Concen: 48.199 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	0.0	282.8
98	64.7	0.0	127.6

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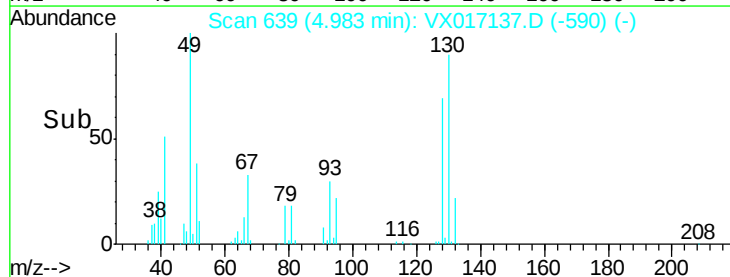
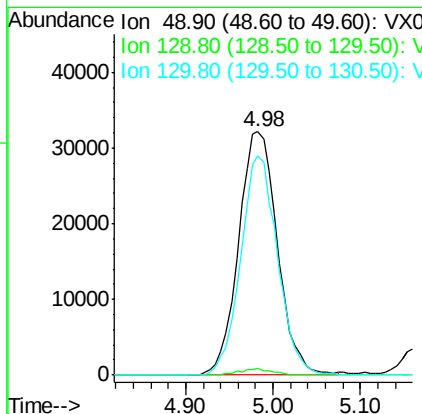
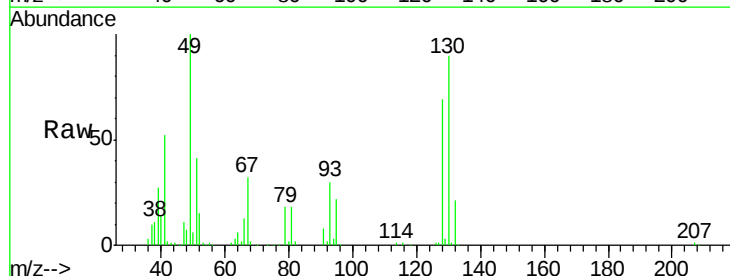
MMDadoda
7/2/2020 9:15:43 AM

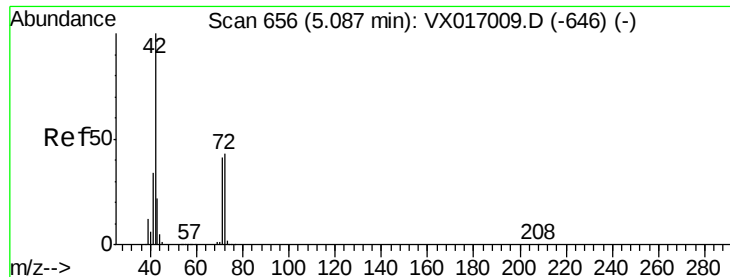


#28

Bromochloromethane
Concen: 46.567 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	85.5	66.6	100.0





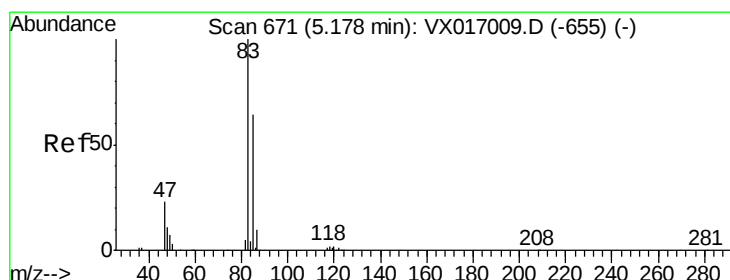
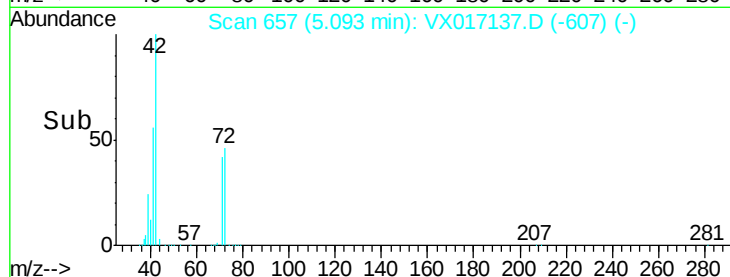
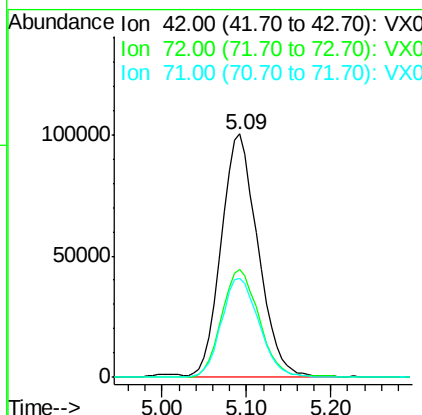
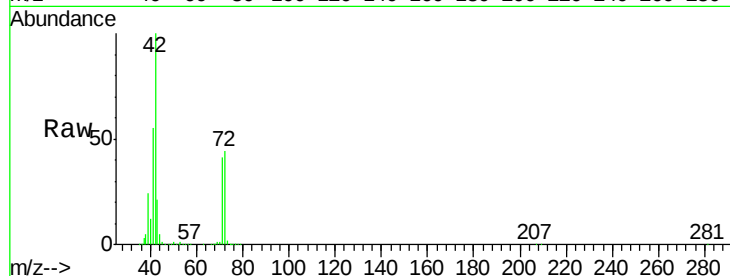
#29
Tetrahydrofuran
Concen: 257.412 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	35.3	52.9
71	42.1	33.1	49.7

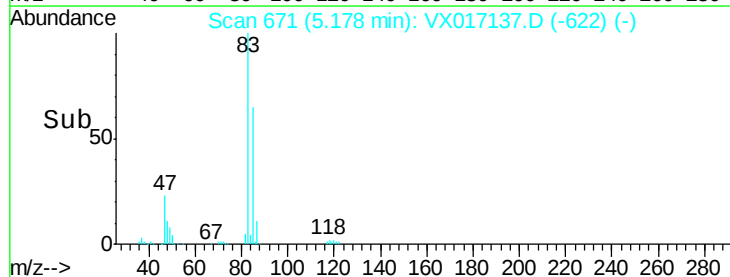
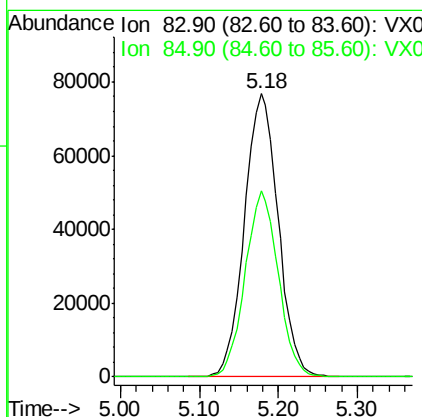
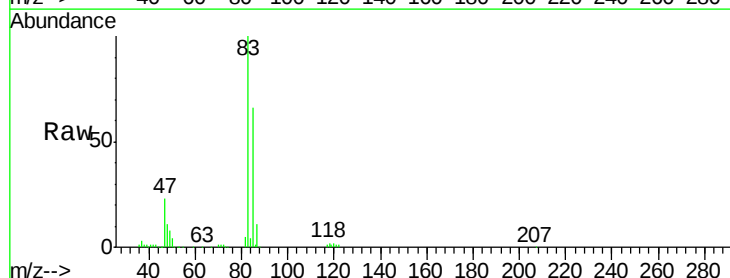
Manual Integrations
APPROVED

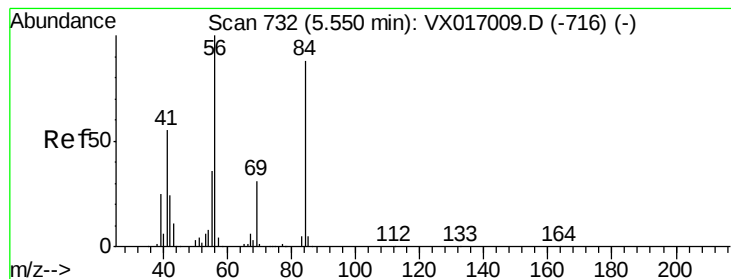
MMDadoda
7/2/2020 9:15:43 AM



#30
Chloroform
Concen: 51.029 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.2





#31

Cyclohexane

Concen: 48.146 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

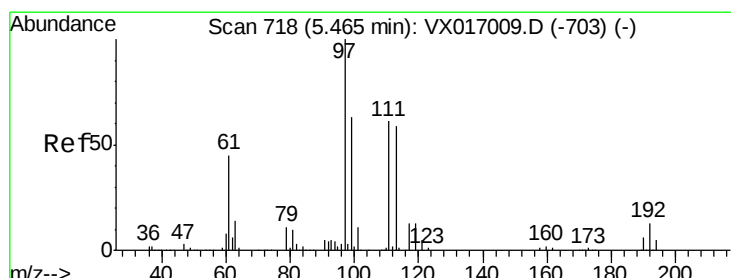
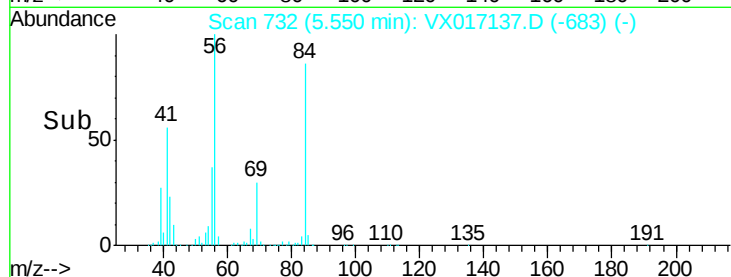
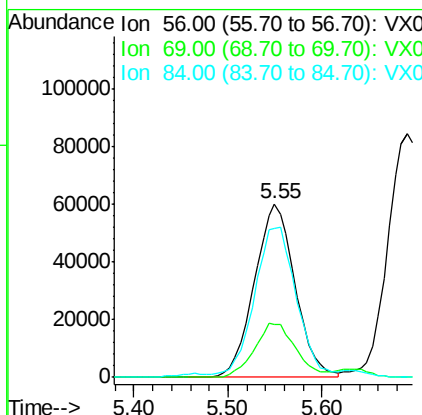
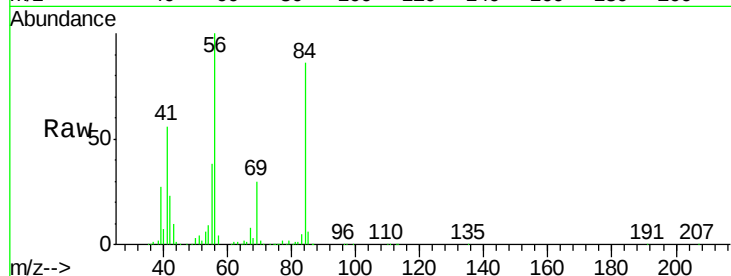
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	182081
Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.0	37.4
84	84.2	69.1	103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.548 ug/l

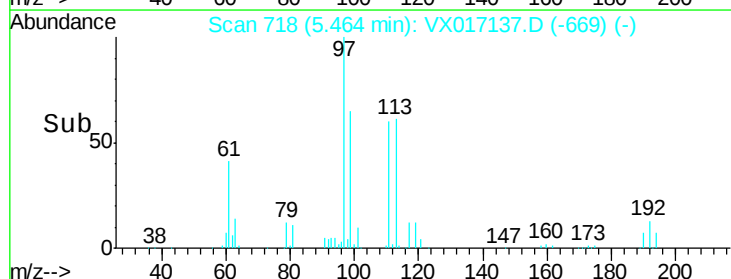
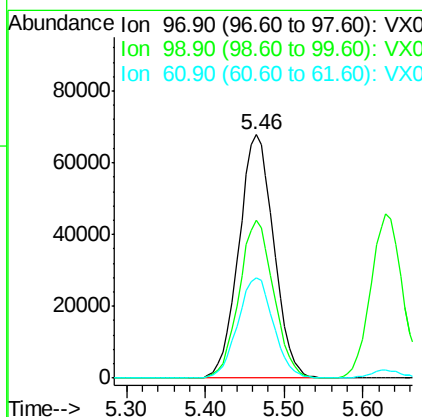
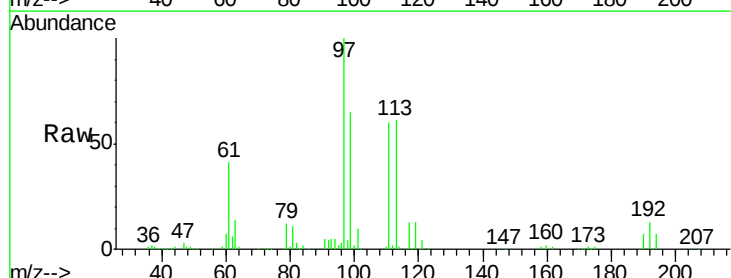
RT: 5.46 min Scan# 718

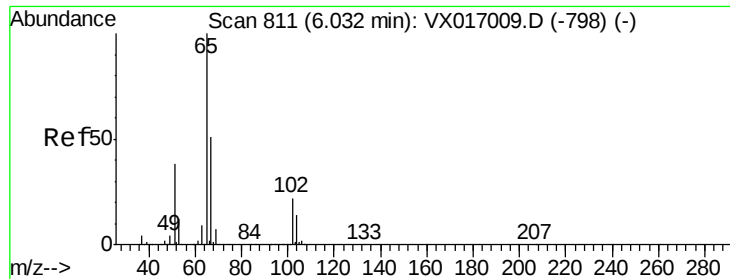
Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Tgt Ion:	97	Resp:	208792
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	42.0	33.7	50.5





#33

1,2-Dichloroethane-d4

Concen: 52.096 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 145932

Ion Ratio Lower Upper

65 100

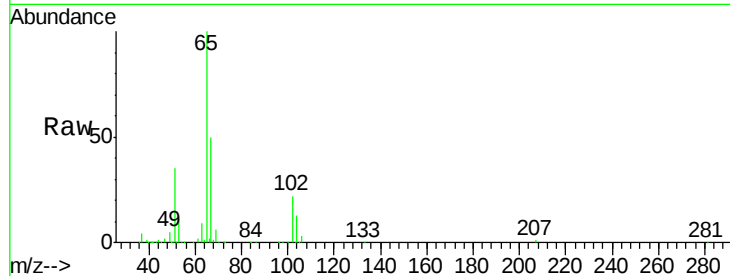
67 51.1 0.0 103.8

Manual Integrations

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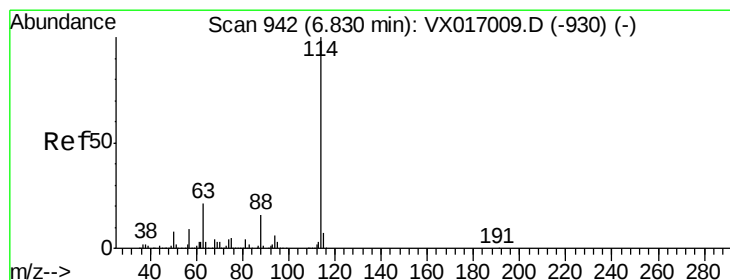
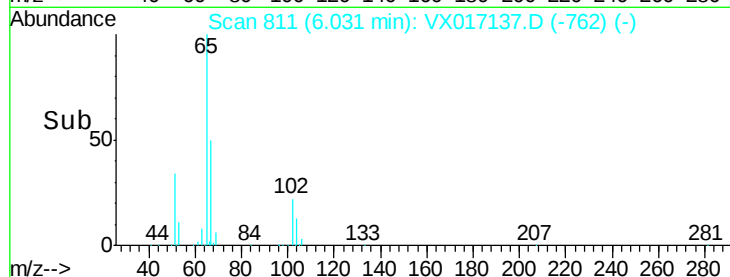
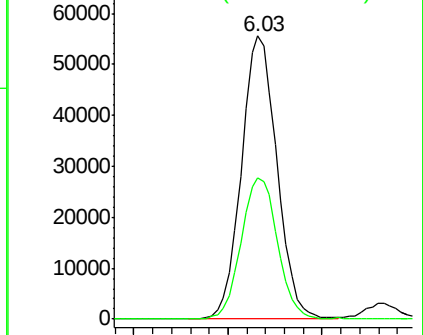
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

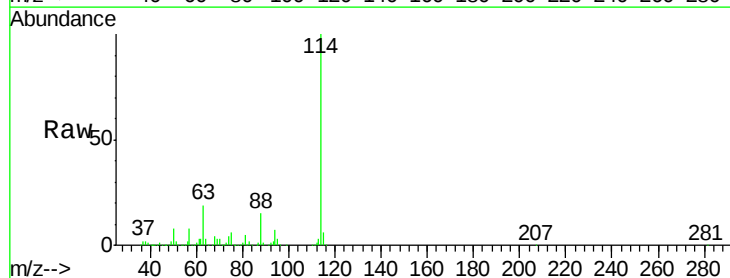
Tgt Ion:114 Resp: 356840

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.4

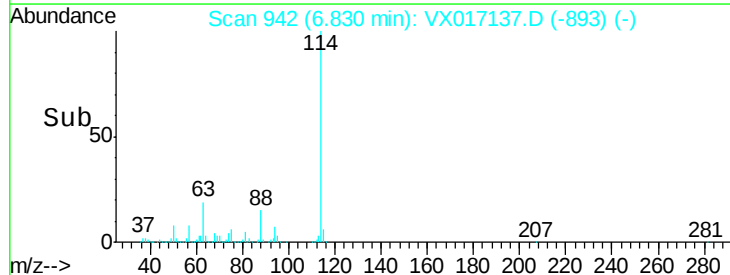
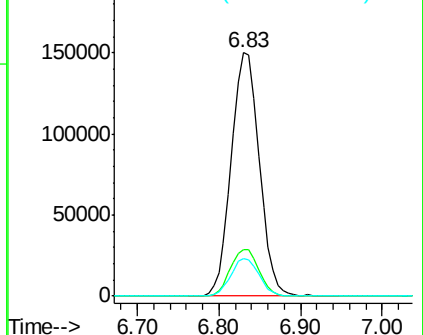
88 15.4 0.0 32.4

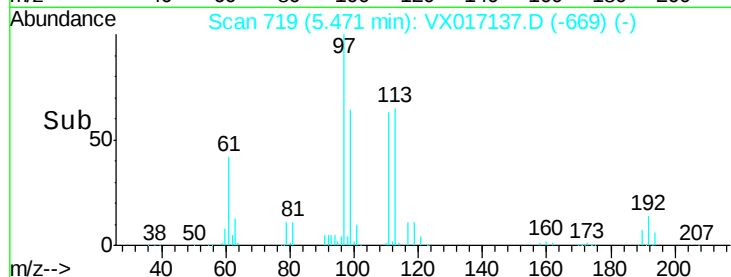
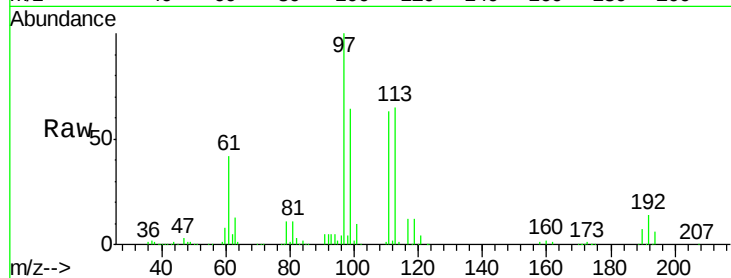
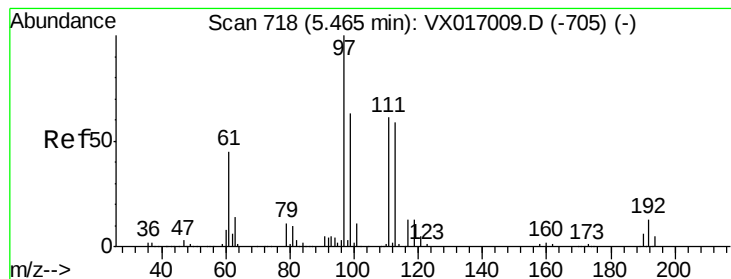


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.728 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Tot Ion:	113	Resp:	119020
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.9	122.9
192	21.4	16.7	25.1

Instrument :

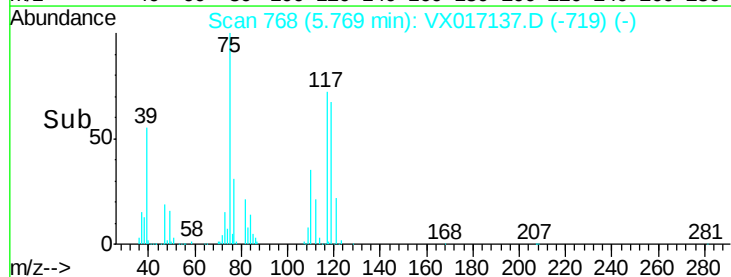
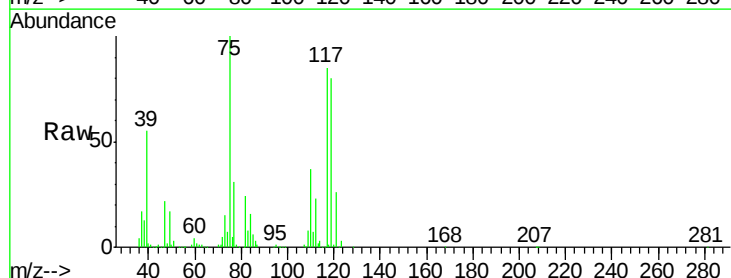
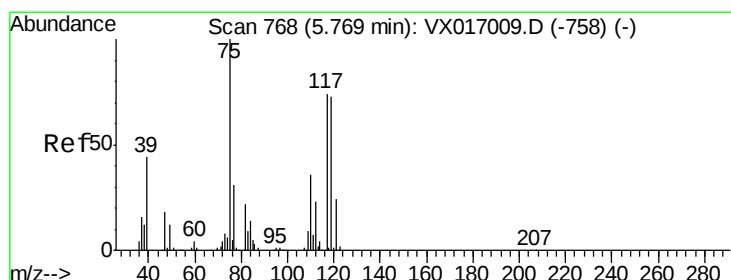
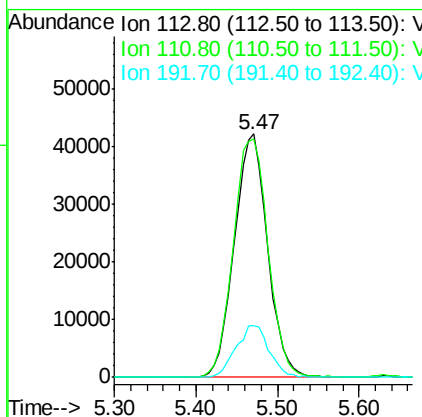
MSVOA_X

ClientSampleId :

VSTDCCC050EC

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#36

1,1-Dichloropropene

Concen: 48.597 ug/l

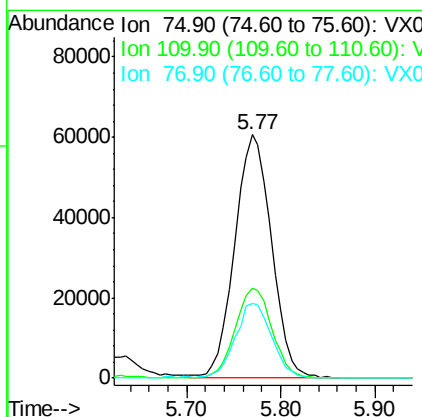
RT: 5.77 min Scan# 768

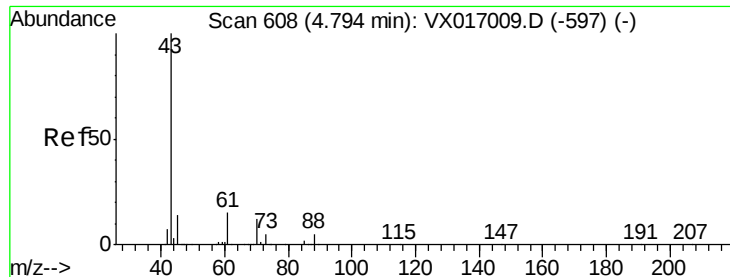
Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Tgt Ion:	75	Resp:	163896
Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.1	54.1
77	30.8	24.6	37.0





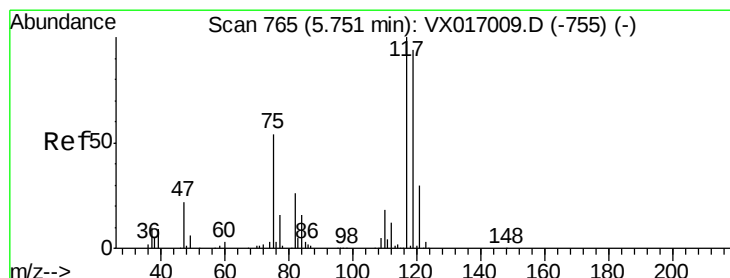
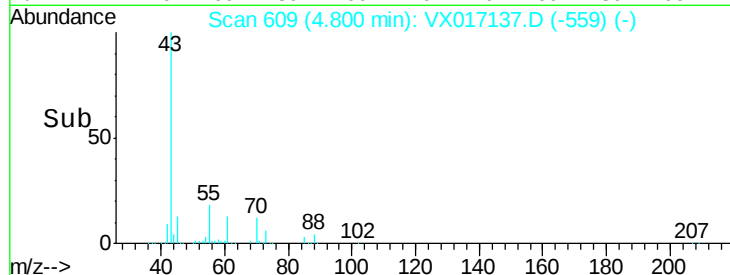
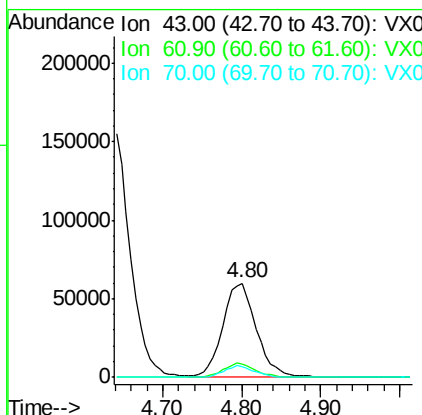
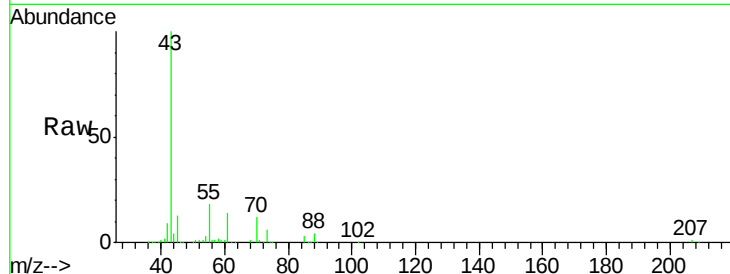
#37
Ethyl Acetate
Concen: 51.537 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	11.5	8.9	13.3

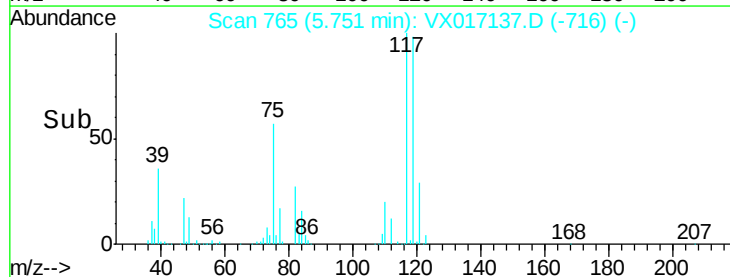
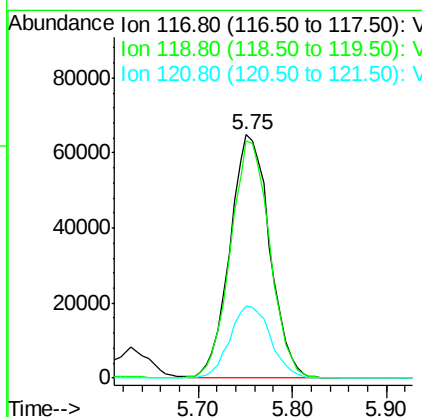
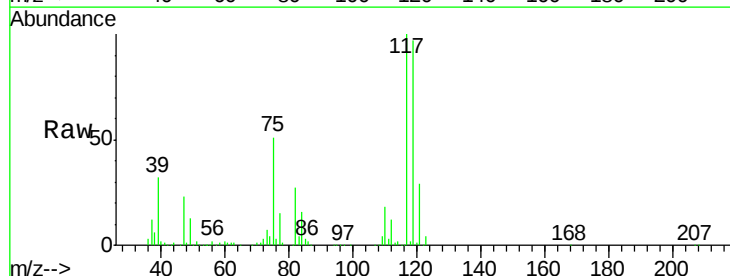
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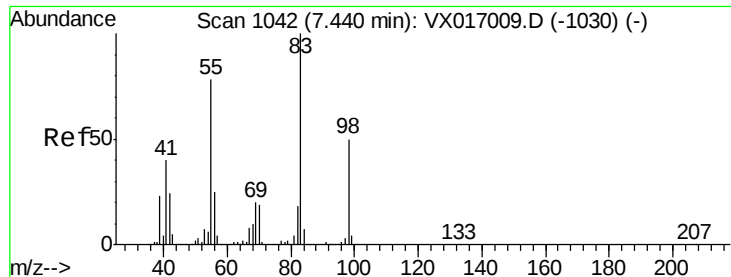
MMDadoda
7/2/2020 9:15:43 AM



#38
Carbon Tetrachloride
Concen: 51.112 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.4	113.0
121	29.5	23.8	35.6





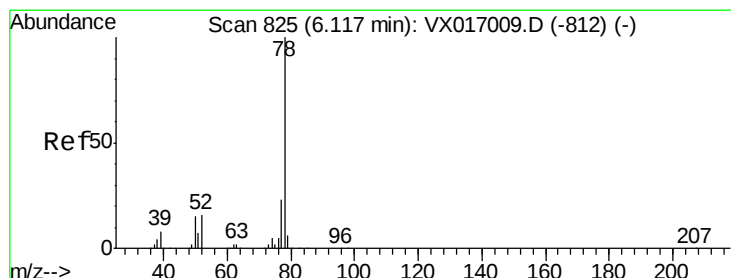
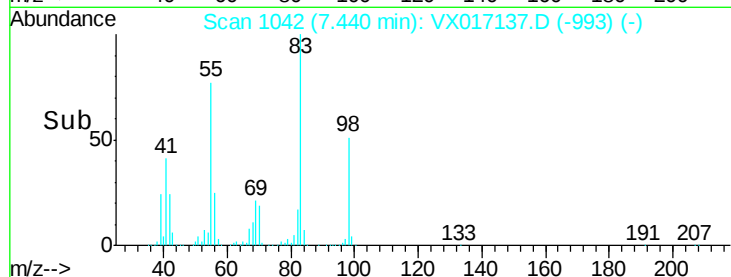
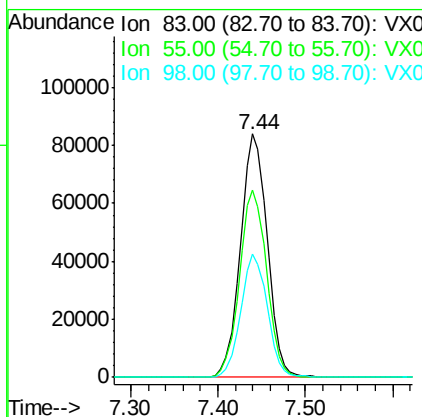
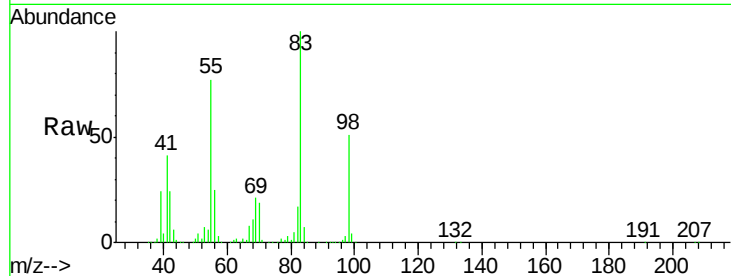
#39
Methvlcvclohexane
Concen: 47.768 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	62.5	93.7
98	50.8	40.1	60.1

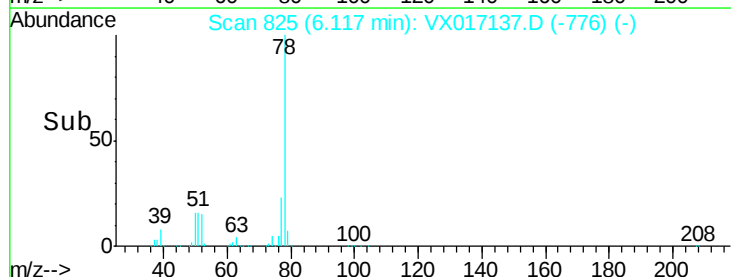
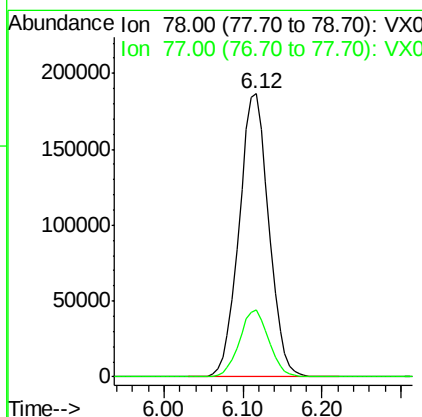
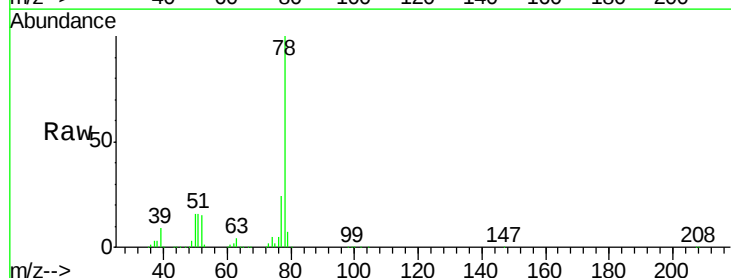
Manual Integrations
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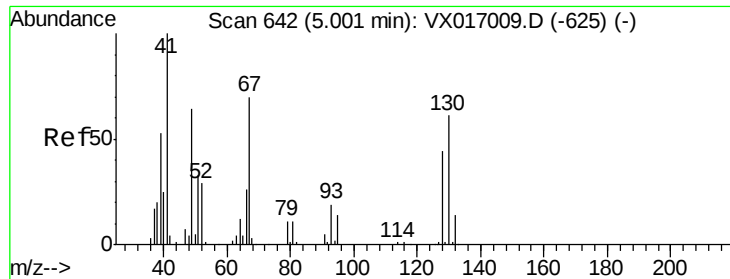
MMDadoda
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#40
Benzene
Concen: 49.391 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.3	27.5





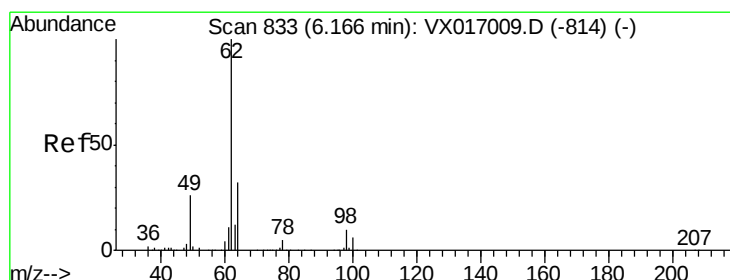
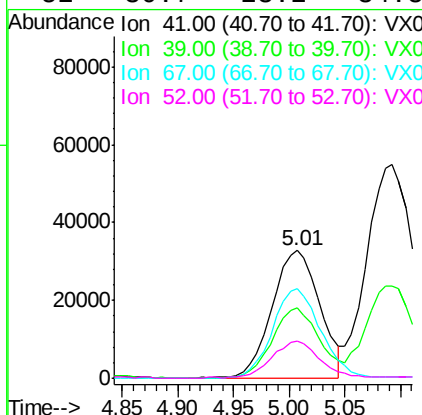
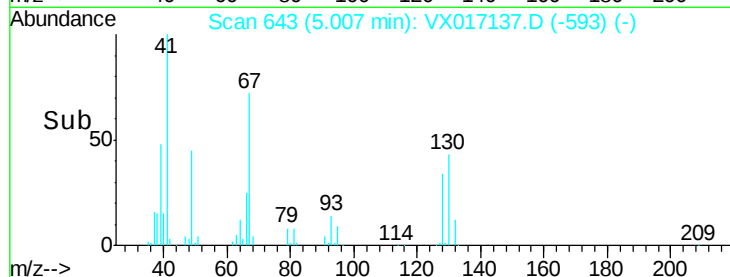
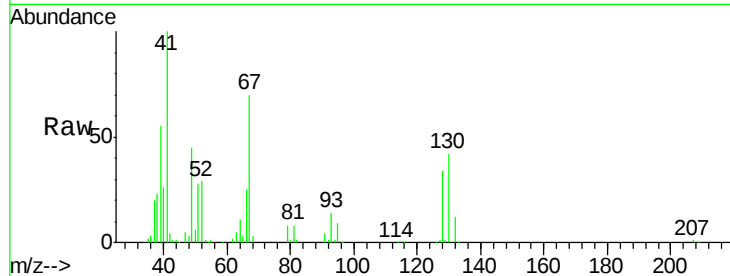
#41
Methacrylonitrile
Concen: 50.694 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	44.4	66.6	
67	71.8	57.1	85.7	
52	30.7	23.2	34.8	

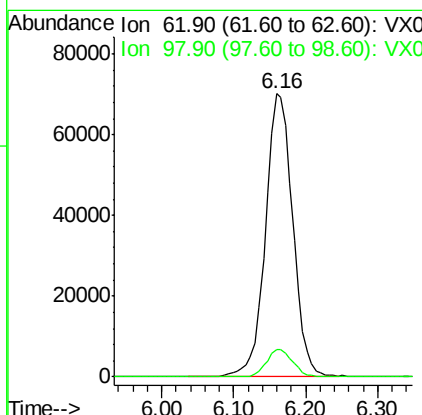
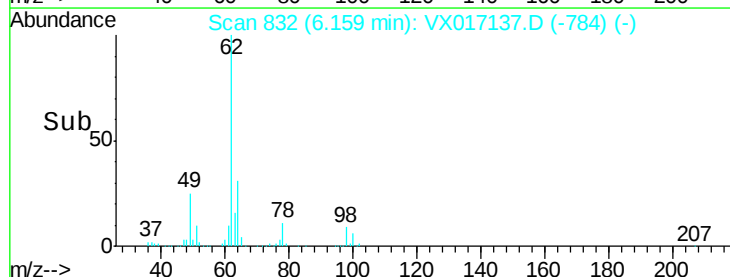
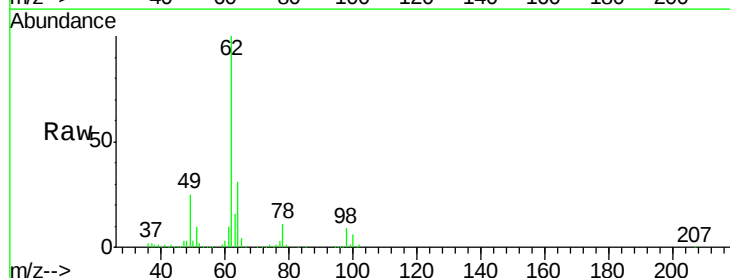
Manual Integrations
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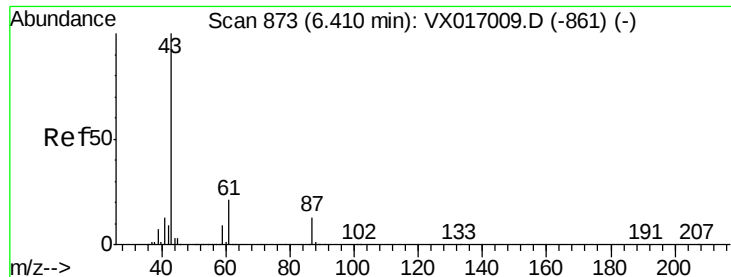
MMDadoda
7/2/2020 9:15:43 AM



#42
1,2-Dichloroethane
Concen: 51.575 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	19.2	





#43

Isopropyl Acetate

Concen: 49.822 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.01 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

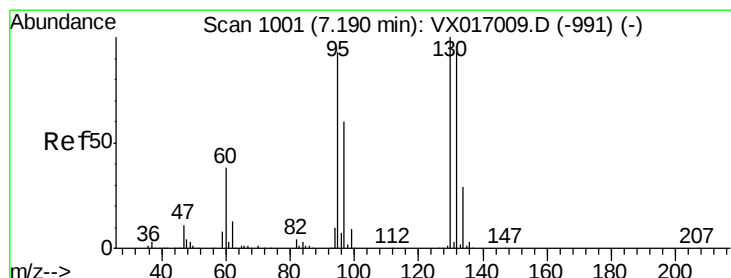
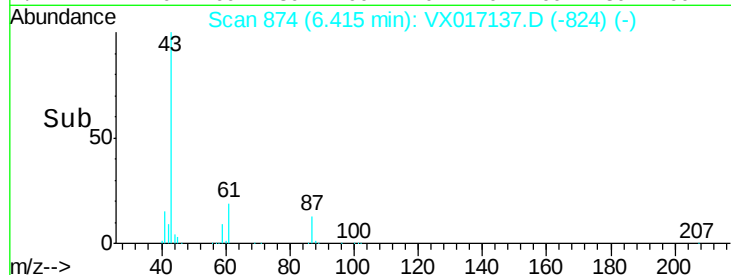
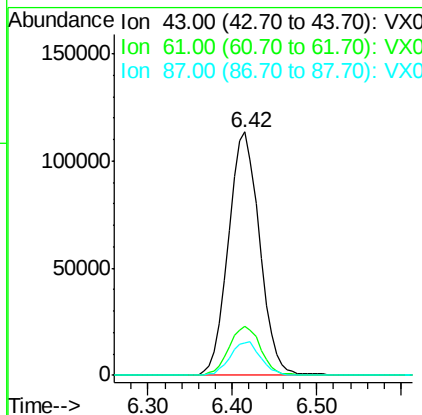
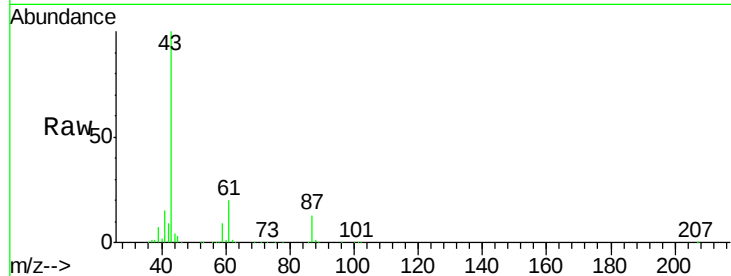
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	283293
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.2	24.2
87	13.8	10.7	16.1

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#44

Trichloroethene

Concen: 52.071 ug/l

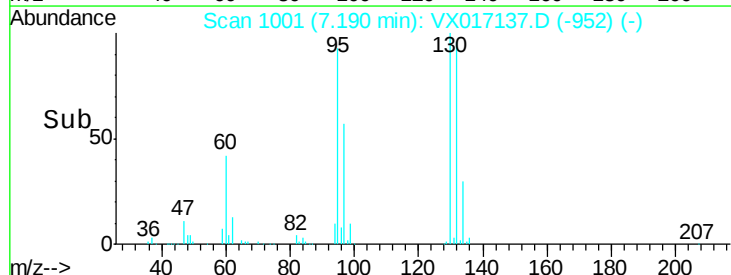
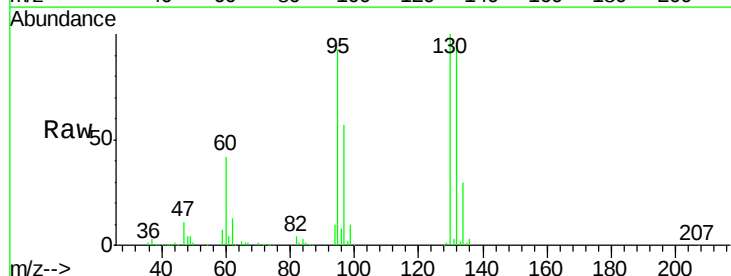
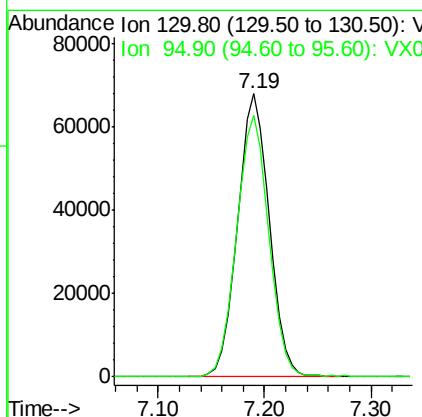
RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Tgt Ion:	130	Resp:	142350
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	185.0





#45

1,2-Dichloropropane

Concen: 49.639 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 126336

Ion Ratio Lower Upper

63 100

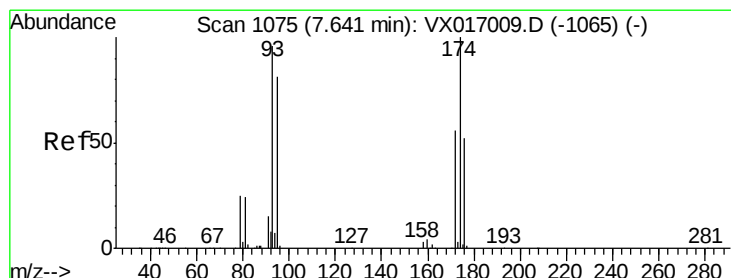
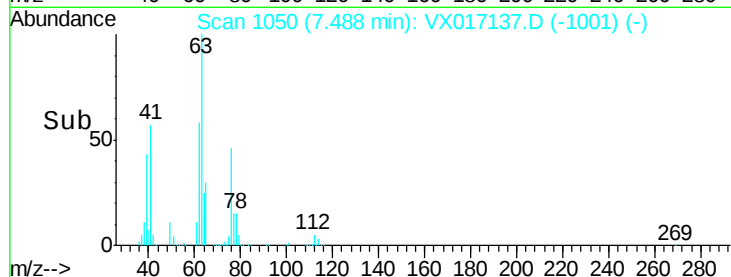
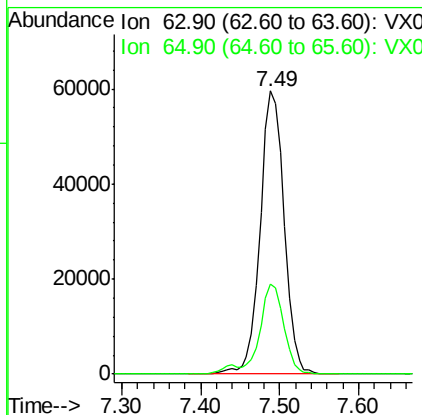
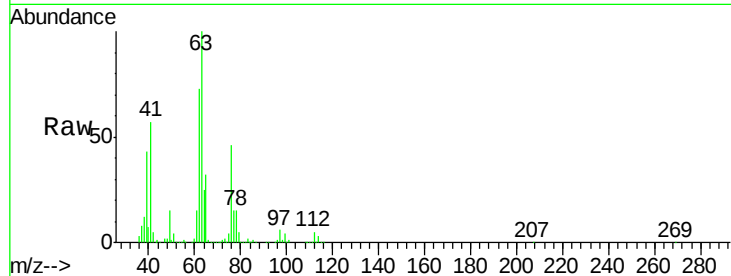
65 31.8 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 51.350 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

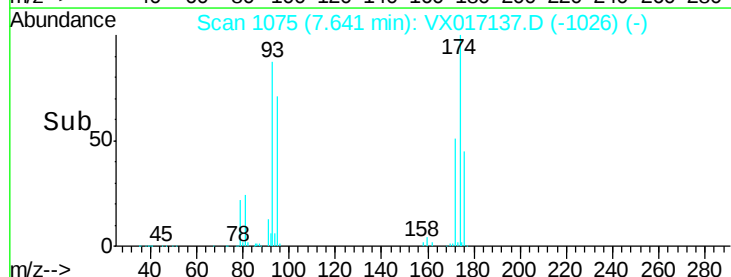
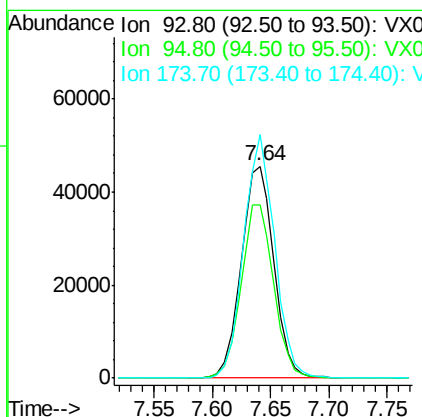
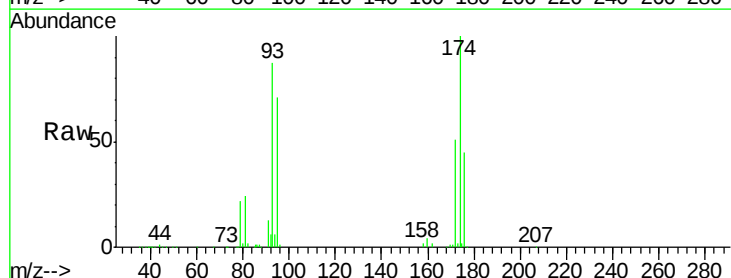
Tgt Ion: 93 Resp: 89225

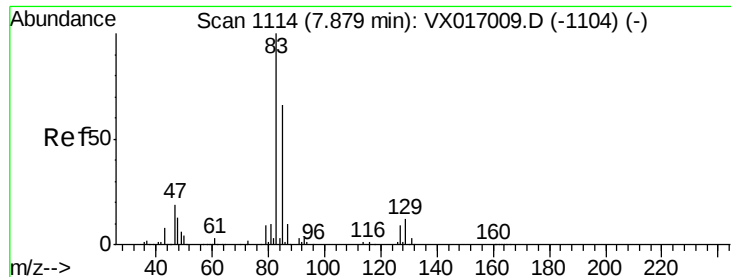
Ion Ratio Lower Upper

93 100

95 81.9 67.4 101.0

174 108.6 84.3 126.5





#47

Bromodichloromethane

Concen: 52.510 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

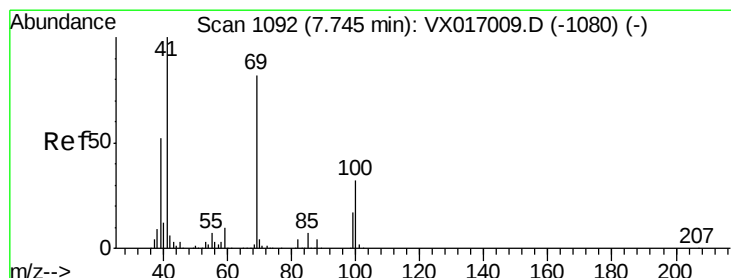
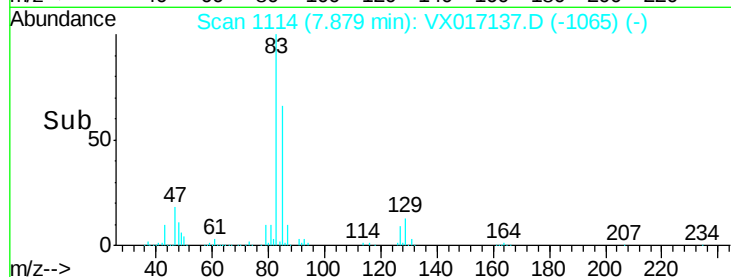
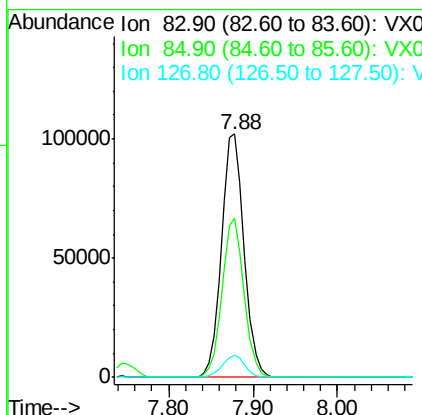
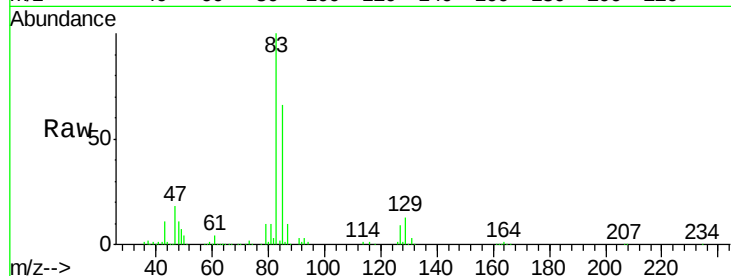
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	188032
Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.0	79.4
127	9.1	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.259 ug/l

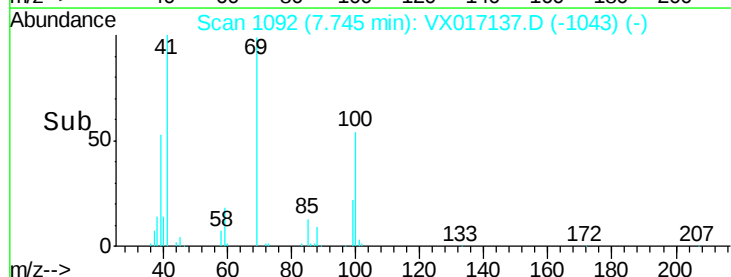
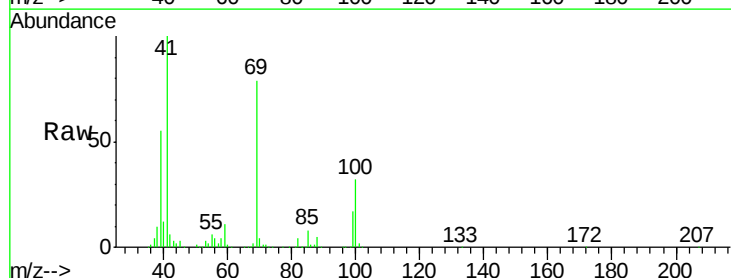
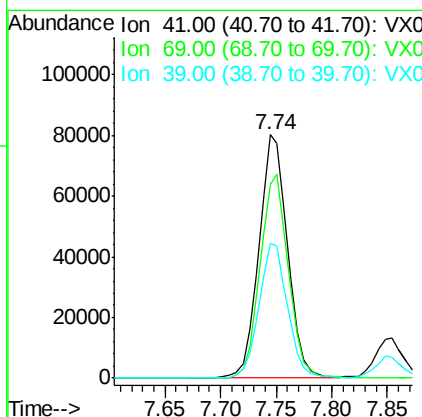
RT: 7.74 min Scan# 1092

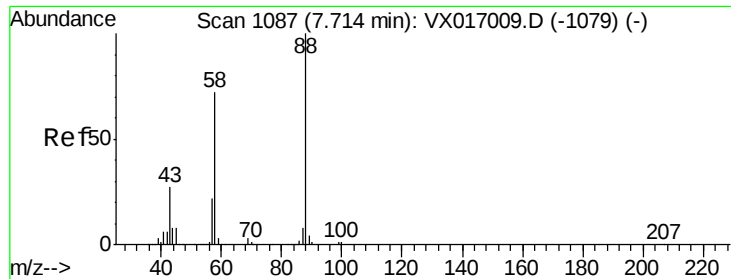
Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Tgt Ion:	41	Resp:	143876
Ion	Ratio	Lower	Upper
41	100		
69	82.8	65.8	98.8
39	55.1	42.5	63.7





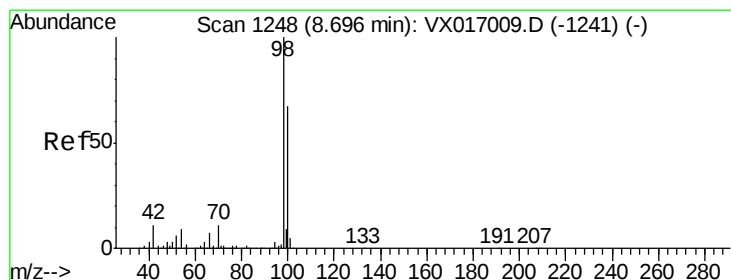
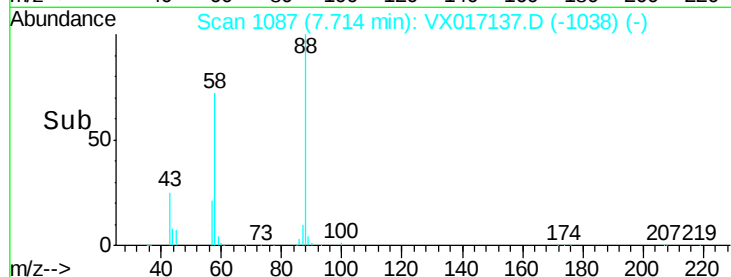
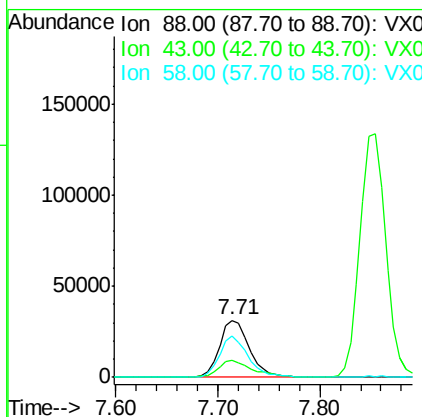
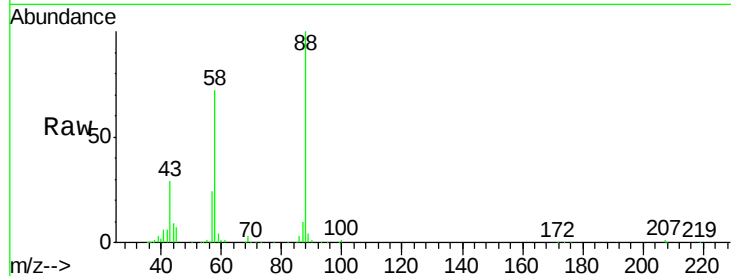
#49
1,4-Dioxane
Concen: 1047.150 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	25.8	38.8
58	70.7	54.8	82.2

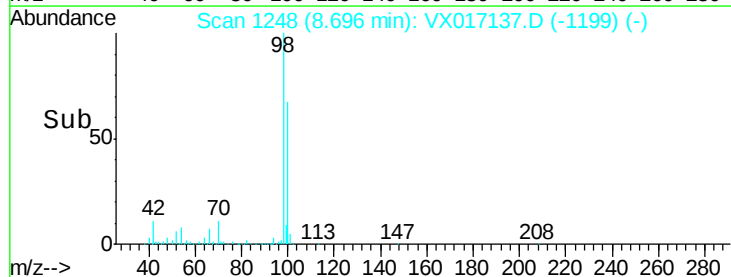
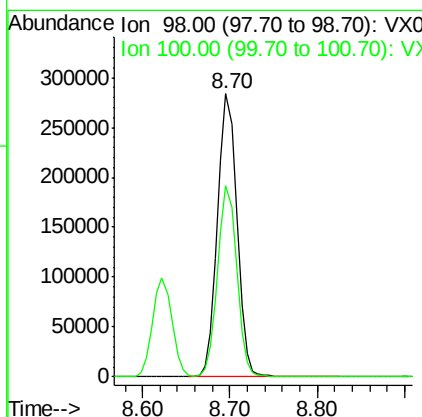
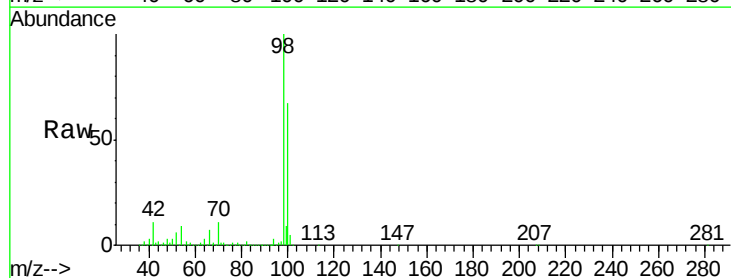
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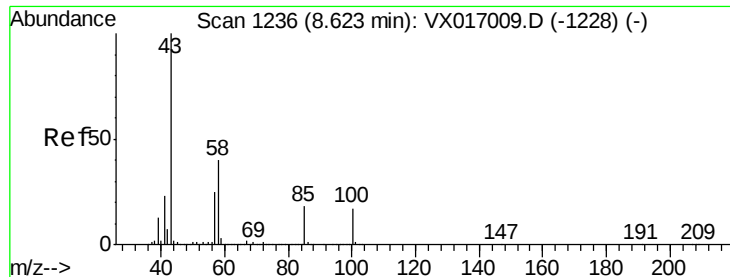
MMDadoda
7/2/2020 9:15:43 AM



#50
Toluene-d8
Concen: 52.422 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 267.993 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 908356

Ion Ratio Lower Upper

43 100

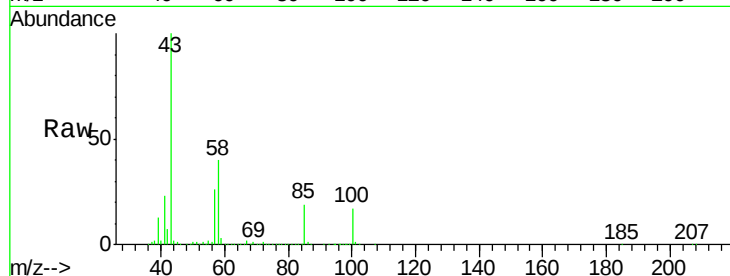
58 39.7 31.9 47.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

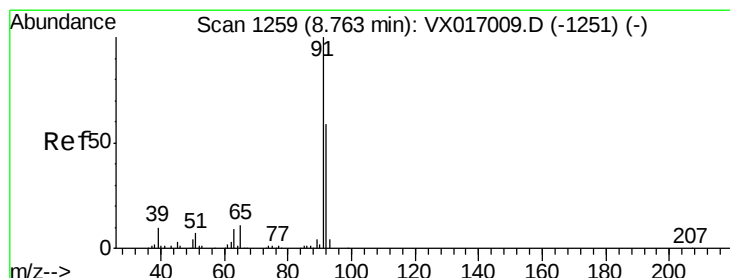
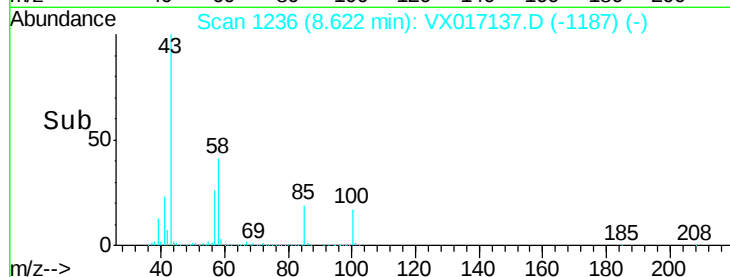
400000

200000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 50.565 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017137.D

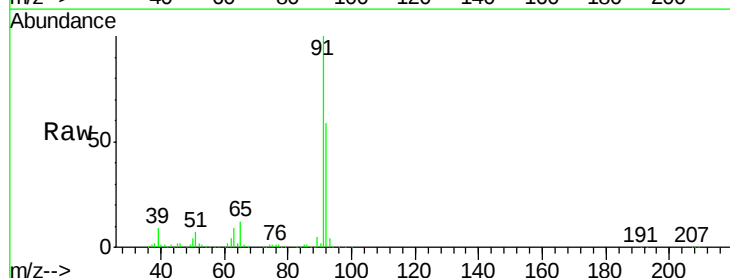
Acq: 02 Jul 2020 06:48

Tgt Ion: 92 Resp: 312832

Ion Ratio Lower Upper

92 100

91 170.5 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

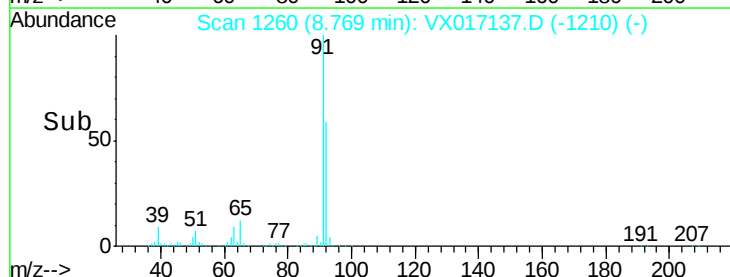
200000

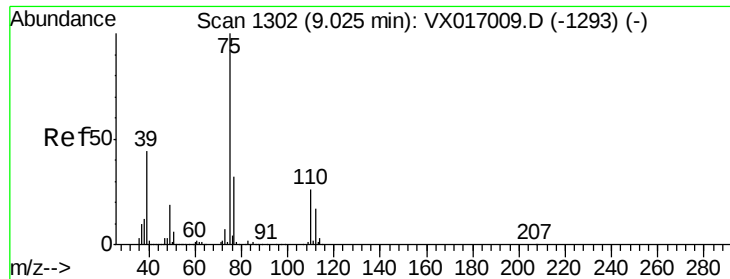
100000

0

8.70 8.75 8.80 8.85

Time-->





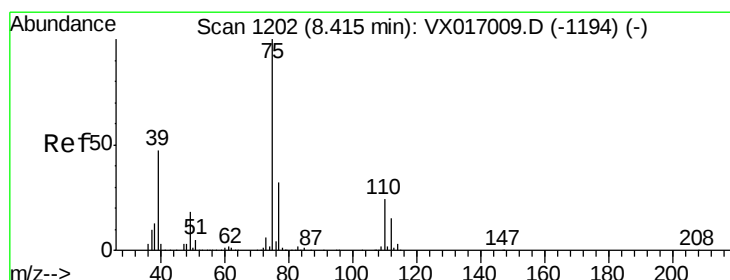
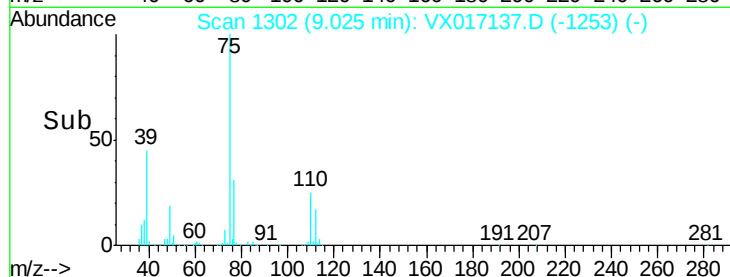
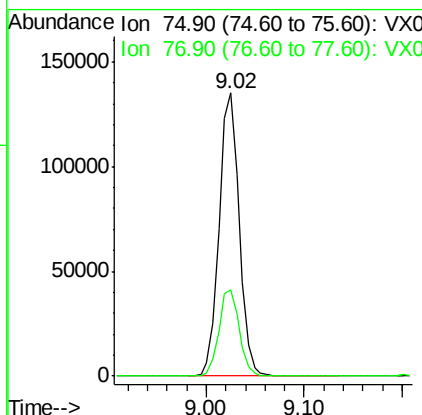
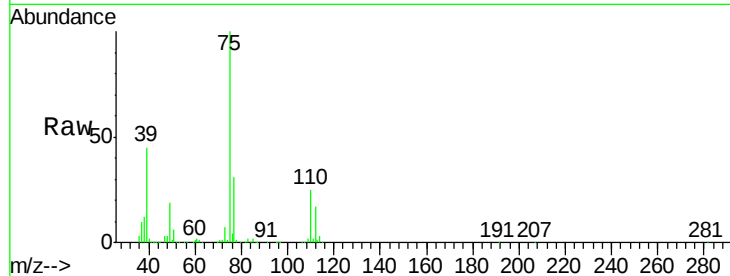
#53
t-1,3-Dichloropropene
Concen: 48.663 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.6	38.4

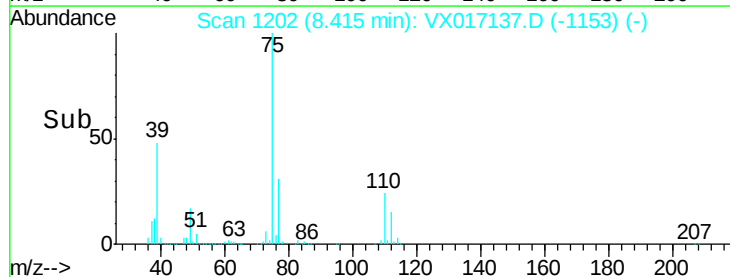
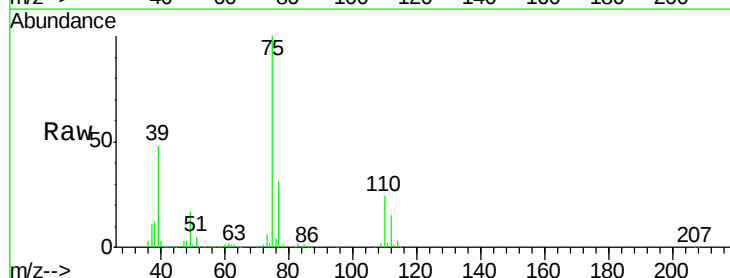
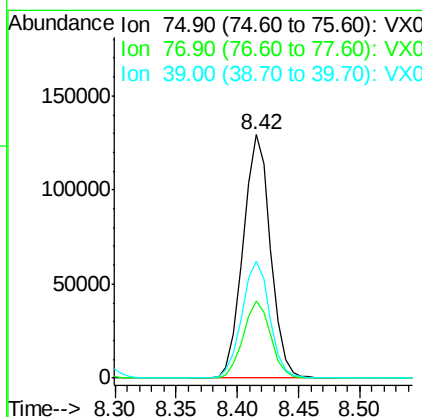
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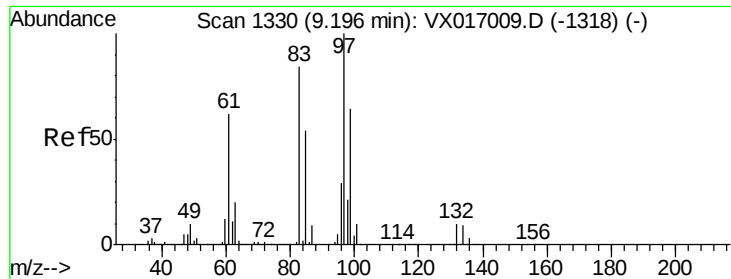
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#54
cis-1,3-Dichloropropene
Concen: 47.581 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	47.8	37.4	56.2





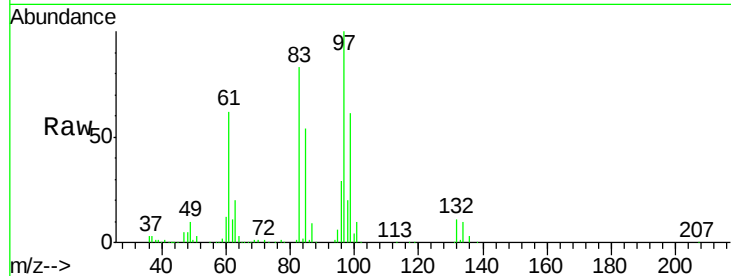
#55
 1,1,2-Trichloroethane
 Concen: 51.815 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017137.D
 Acq: 02 Jul 2020 06:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	130974
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.0	100.6
85	54.1	43.5	65.3
99	61.4	51.0	76.6

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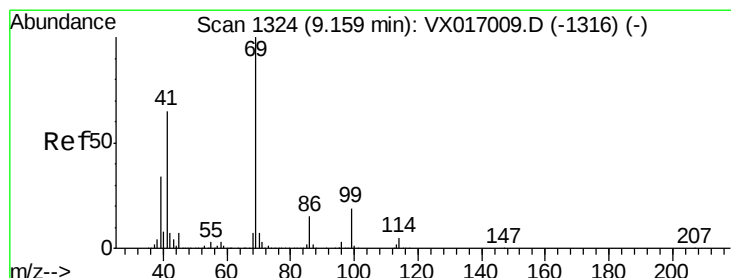
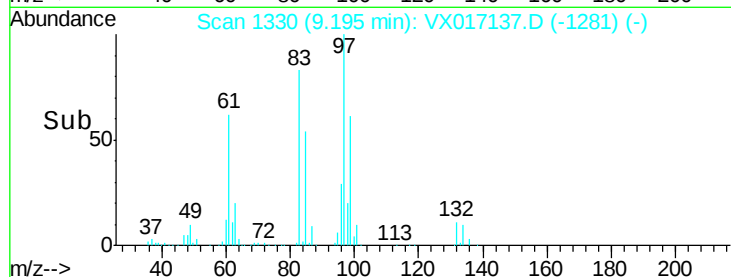
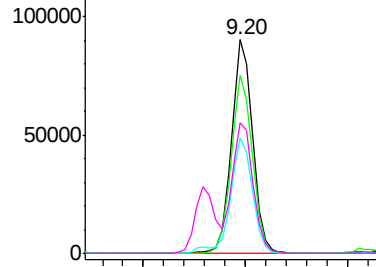


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

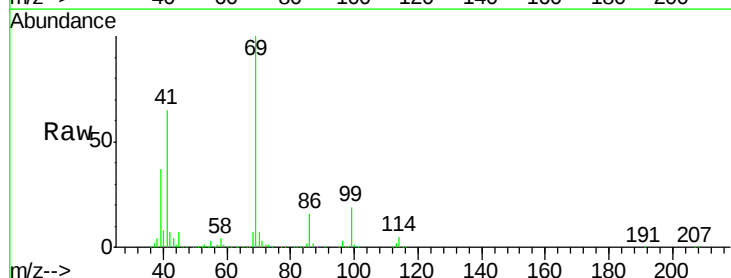
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 53.857 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX017137.D
 Acq: 02 Jul 2020 06:48

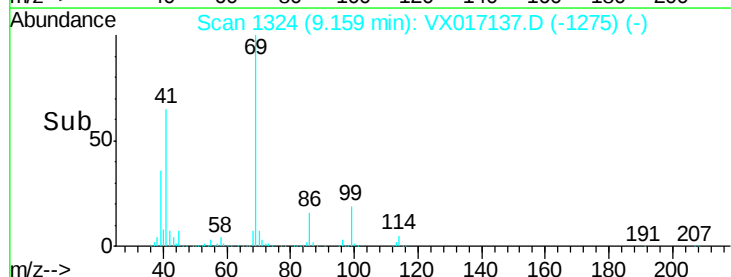
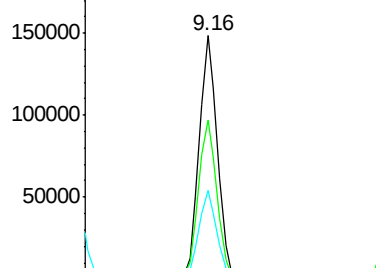
Tgt Ion	69	Resp	193764
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.6	80.4
39	36.0	28.2	42.2

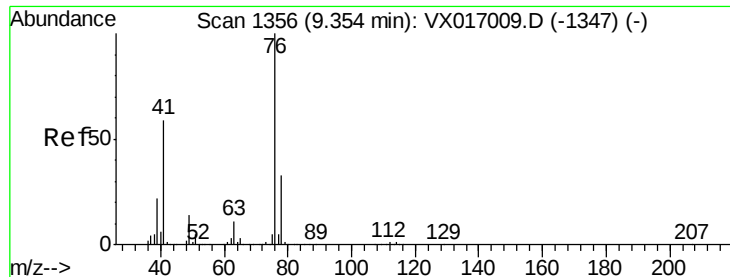


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.199 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 218984

Ion Ratio Lower Upper

76 100

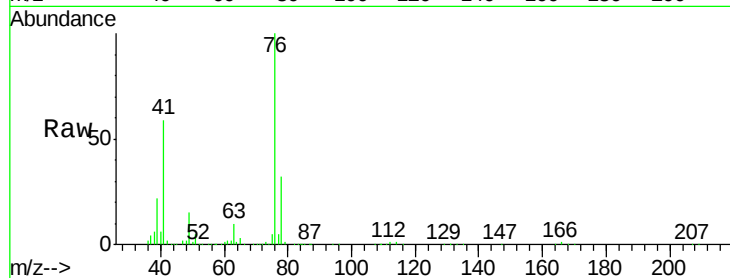
78 31.9 25.9 38.9

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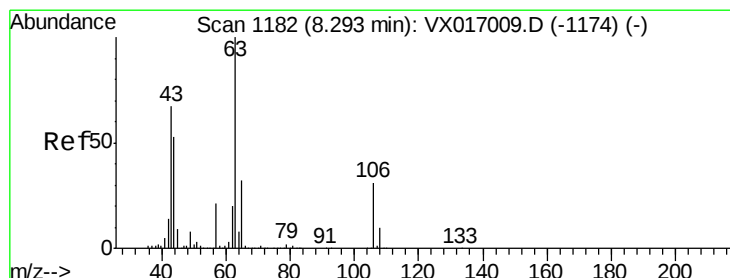
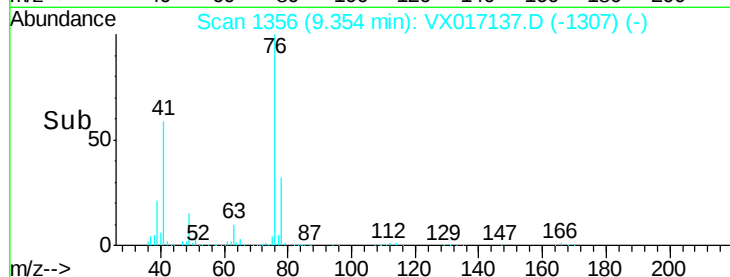
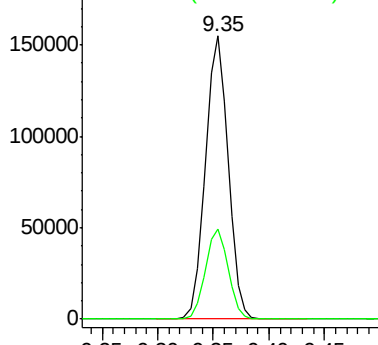
MMDadoda

7/2/2020 9:15:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 277.462 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX017137.D

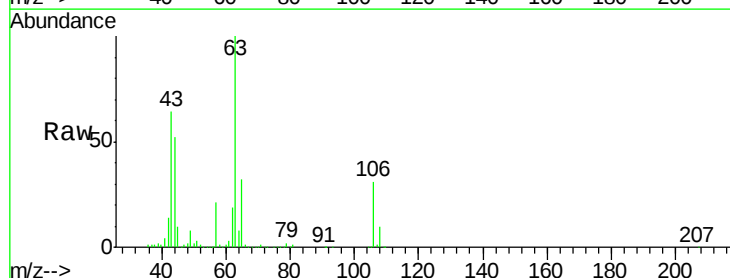
Acq: 02 Jul 2020 06:48

Tgt Ion: 63 Resp: 496818

Ion Ratio Lower Upper

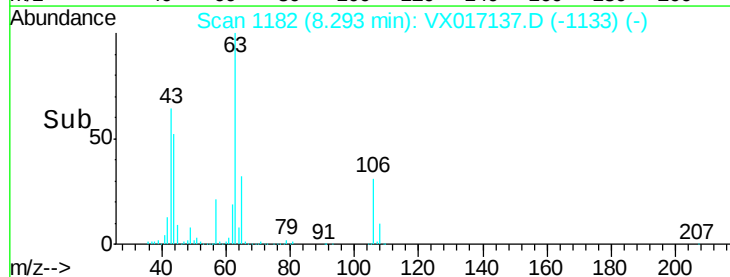
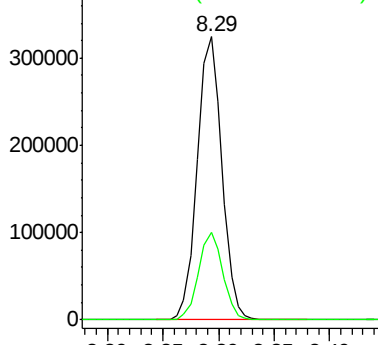
63 100

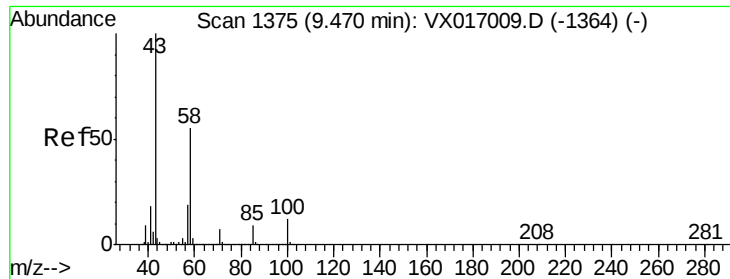
106 30.4 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





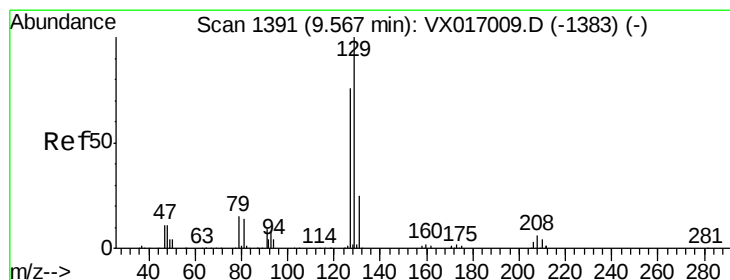
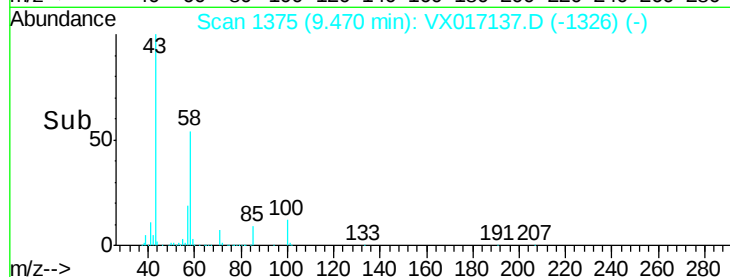
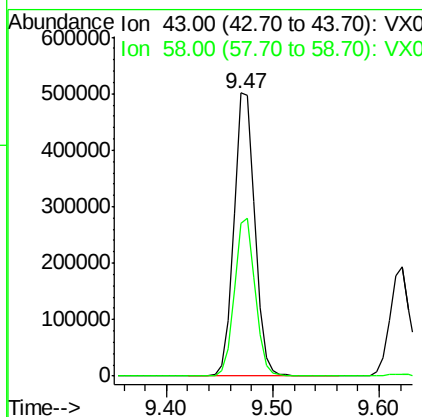
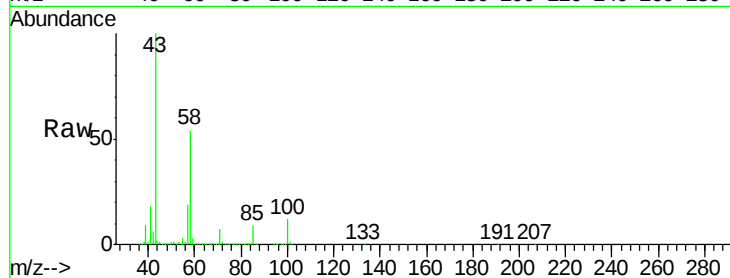
#59
2-Hexanone
Concen: 279.611 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 692163
Ion Ratio Lower Upper
43 100
58 55.2 27.9 83.6

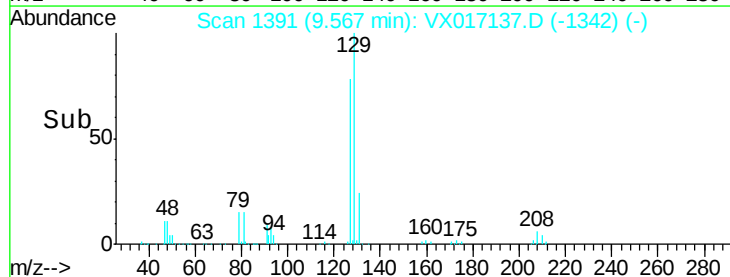
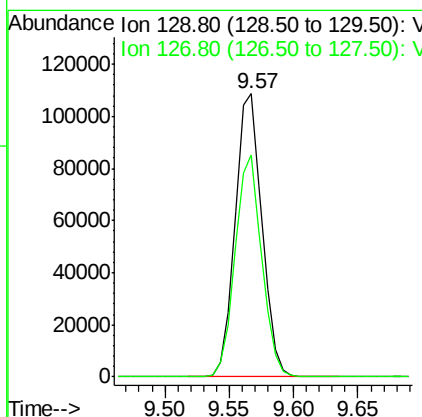
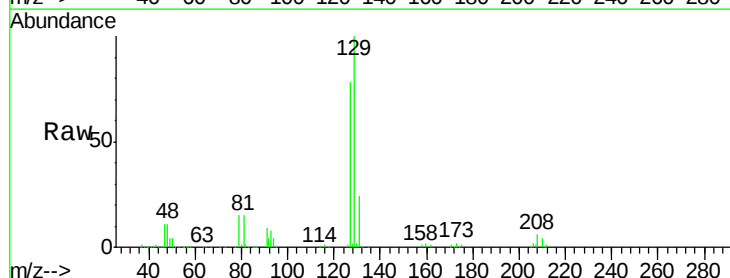
Manual Integrations
APPROVED

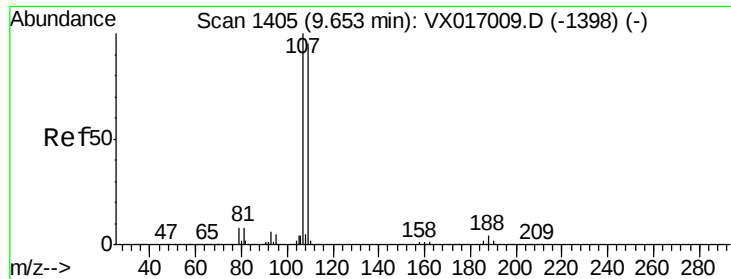
MMDadoda
7/2/2020 9:15:43 AM



#60
Dibromochloromethane
Concen: 53.585 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion: 129 Resp: 157318
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 52.161 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 141724

Ion Ratio Lower Upper

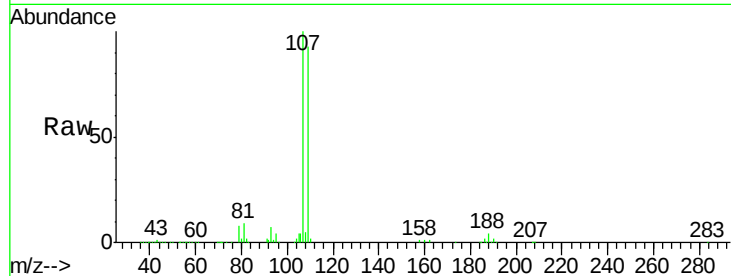
107 100

109 93.6 75.8 113.8

Manual Integrations
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MMDadoda

7/2/2020 9:15:43 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

120000

100000

80000

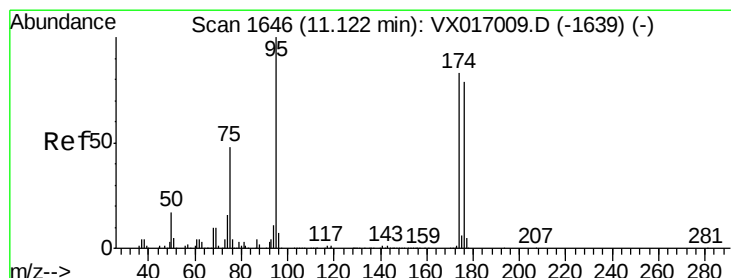
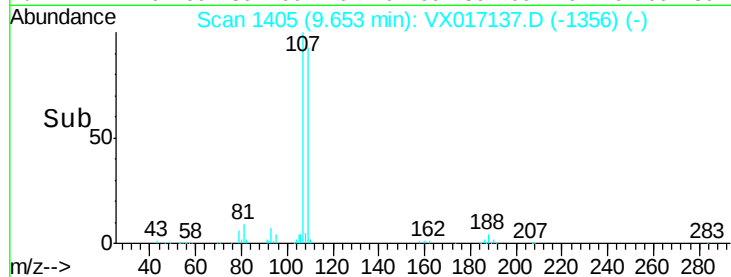
60000

40000

20000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 52.570 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

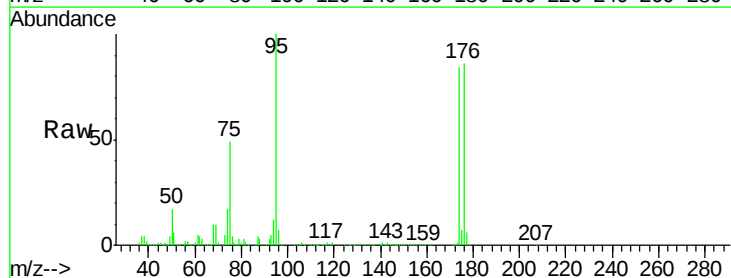
Tgt Ion: 95 Resp: 171532

Ion Ratio Lower Upper

95 100

174 84.3 0.0 164.0

176 83.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.12

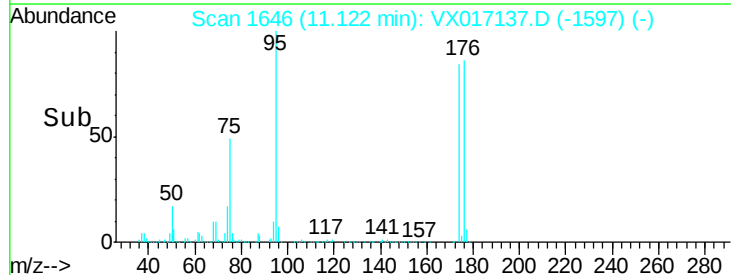
150000

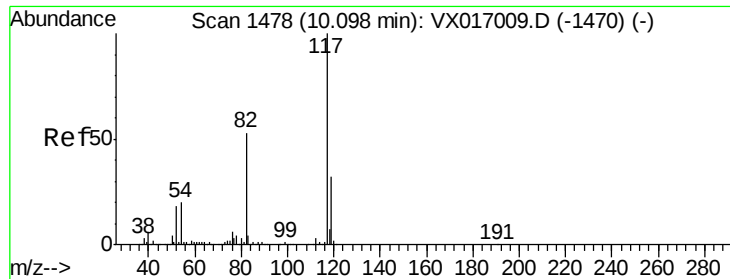
100000

50000

0

Time--> 11.10 11.20





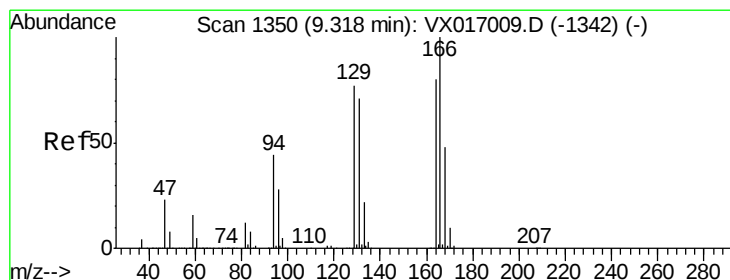
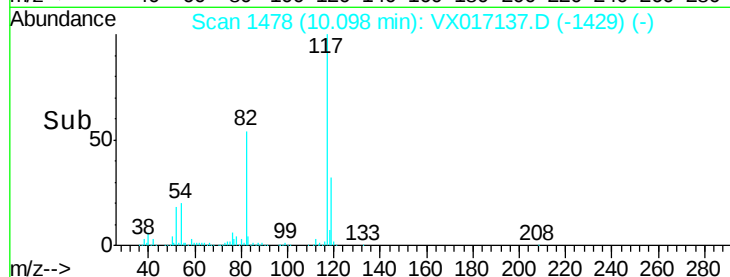
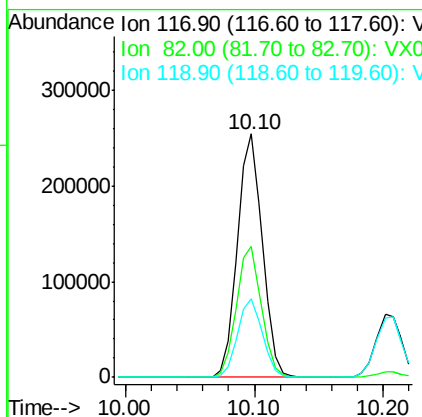
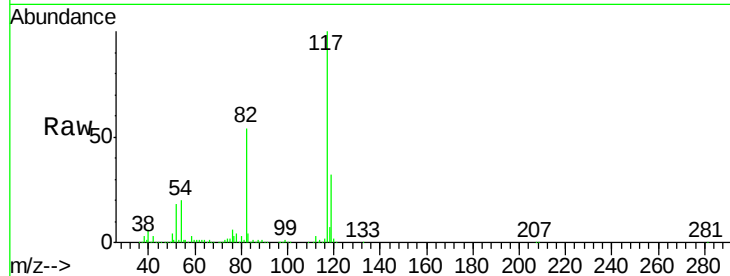
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.6	63.8
119	32.3	25.4	38.2

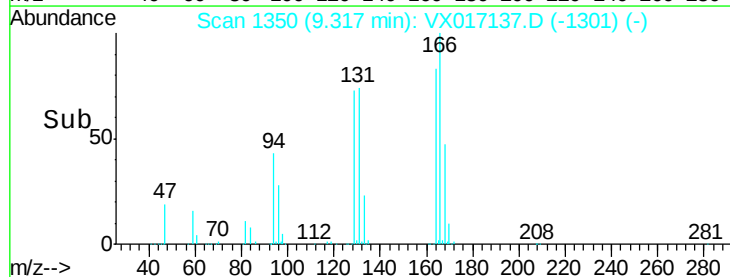
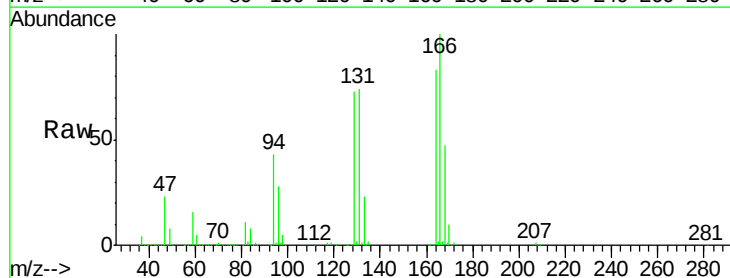
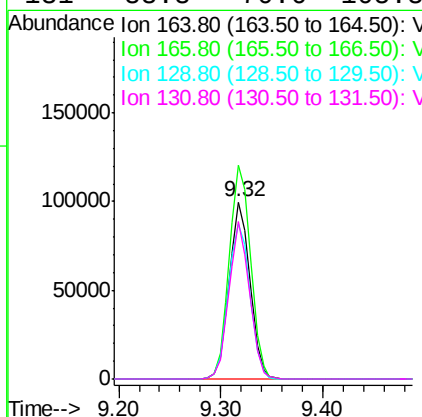
Manual Integrations
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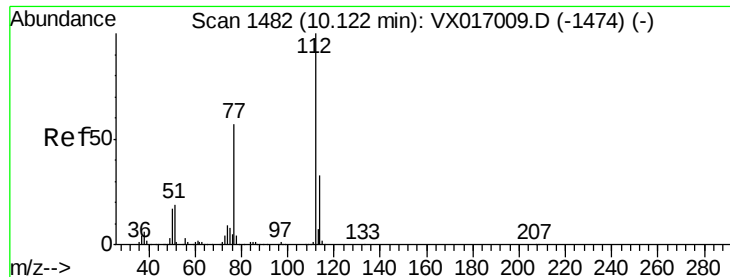
MMDadoda
7/2/2020 9:15:43 AM



#64
Tetrachloroethene
Concen: 50.630 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.5	99.4	149.0
129	87.4	76.3	114.5
131	88.8	70.6	105.8





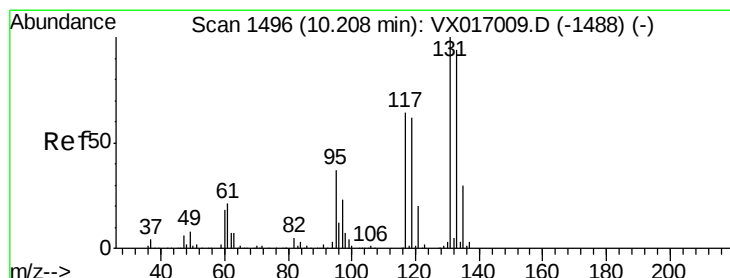
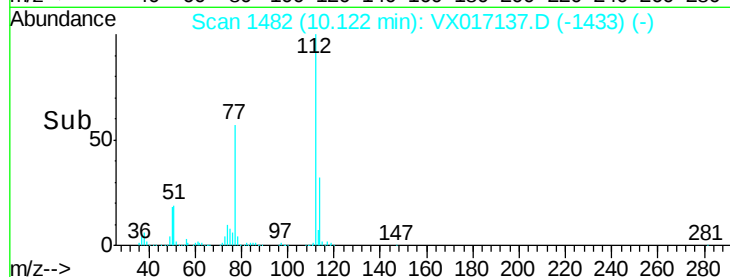
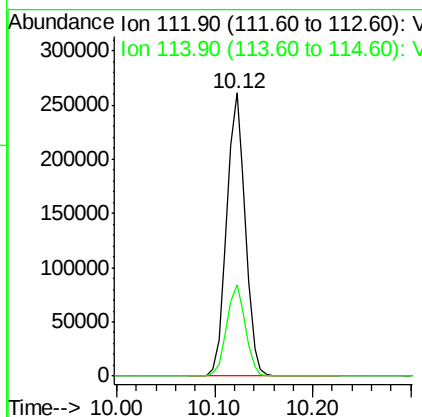
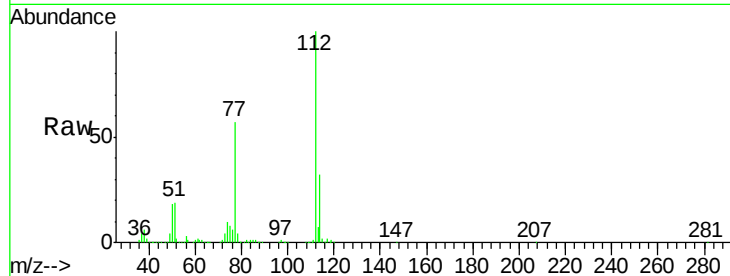
#65
Chlorobenzene
Concen: 48.766 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 344013
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4

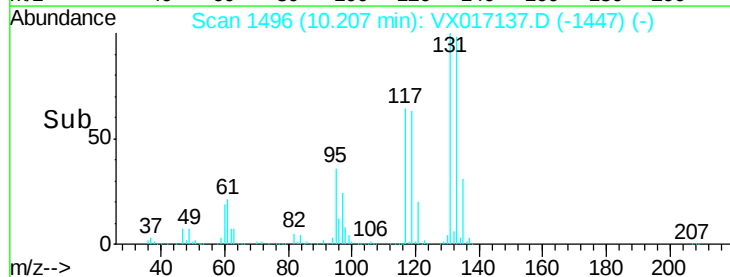
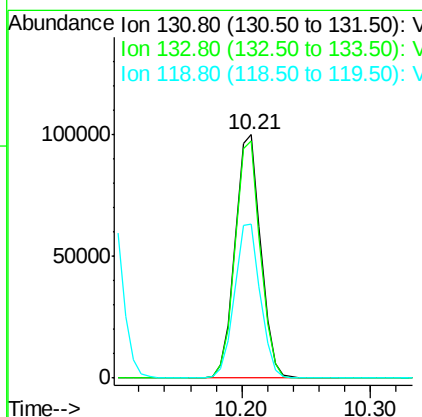
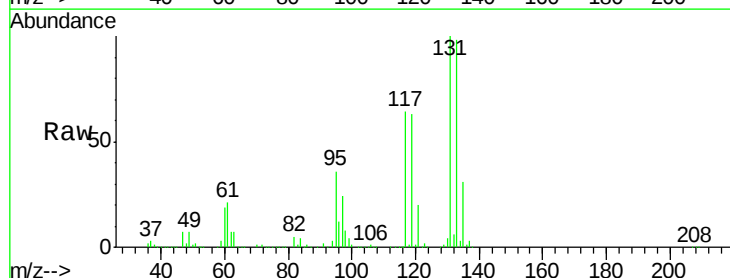
Manual Integrations
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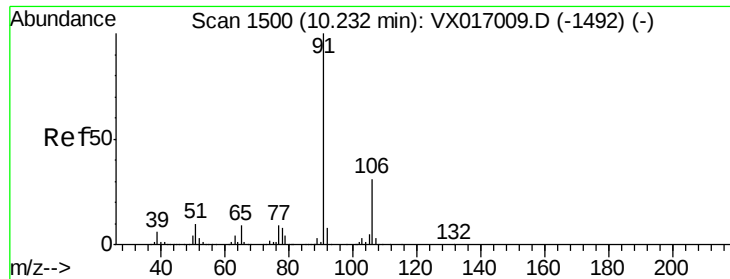
MMDadoda
7/2/2020 9:15:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.786 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion:131 Resp: 138071
Ion Ratio Lower Upper
131 100
133 96.5 47.3 141.9
119 64.1 31.9 95.5





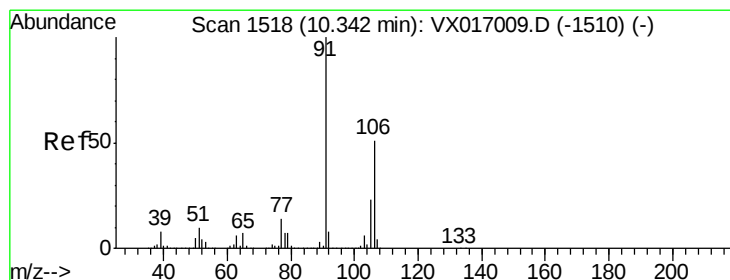
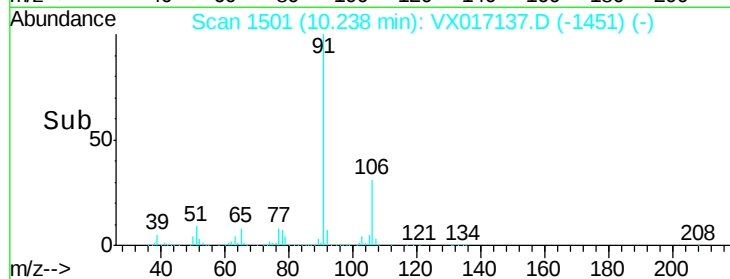
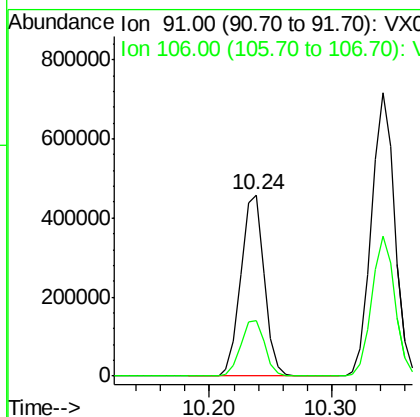
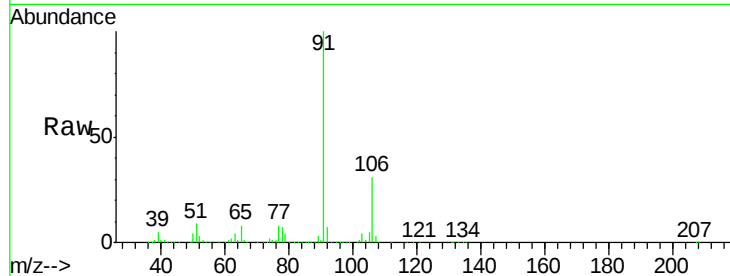
#67
Ethyl Benzene
Concen: 51.349 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 604931
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1

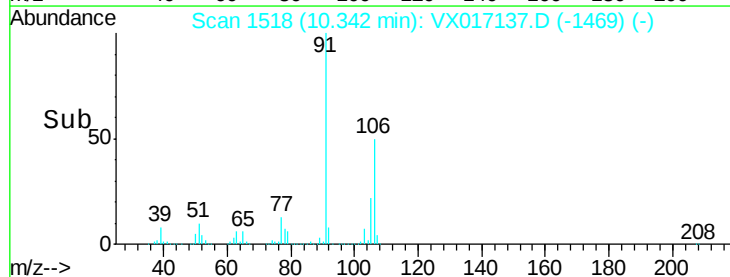
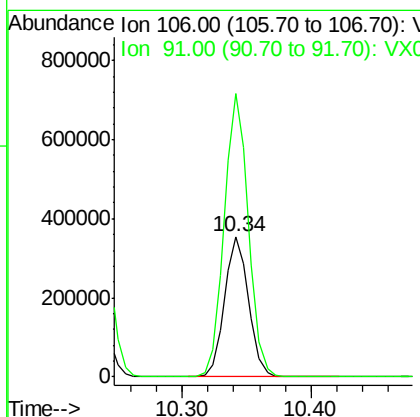
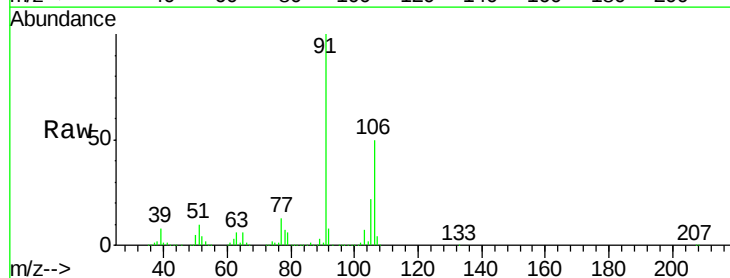
Manual Integrations
APPROVED

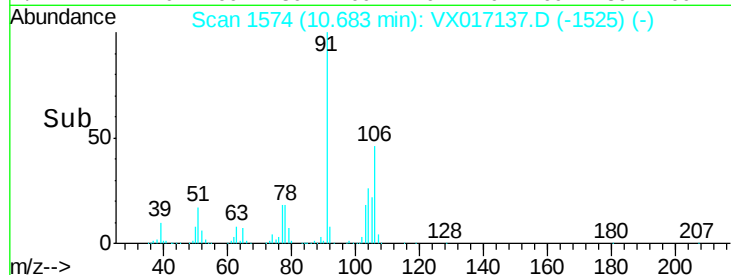
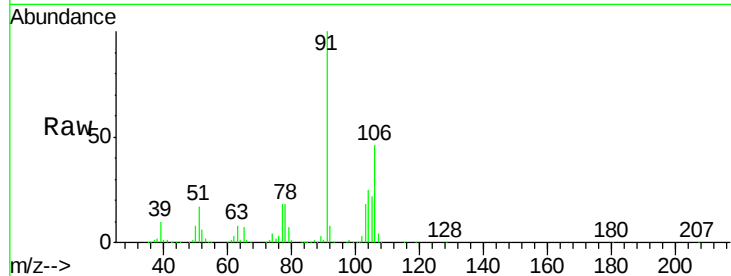
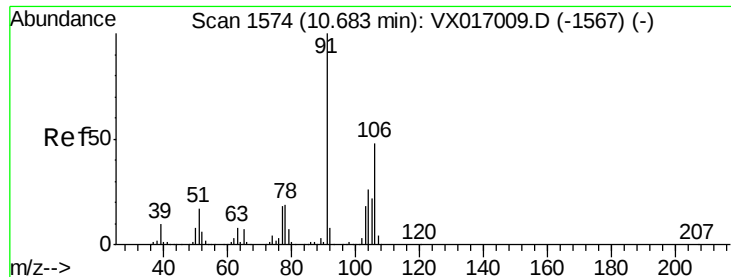
MMDadoda
7/2/2020 9:15:43 AM



#68
m/p-Xylenes
Concen: 103.125 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion: 106 Resp: 466485
Ion Ratio Lower Upper
106 100
91 202.9 158.6 238.0





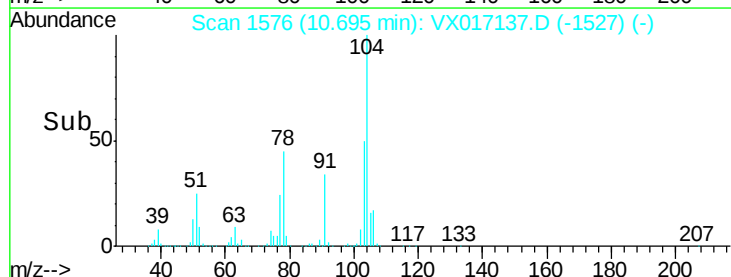
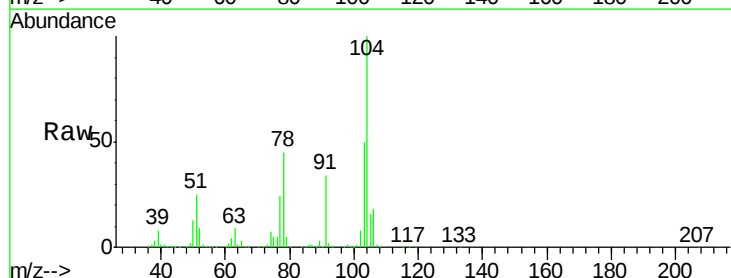
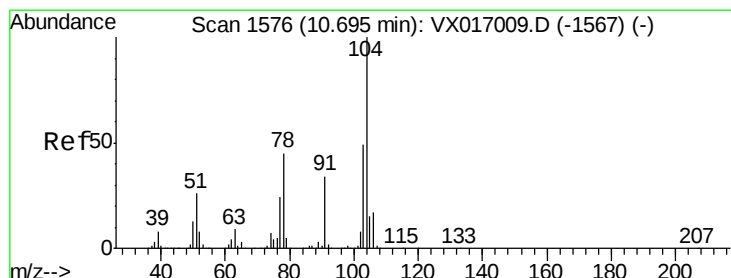
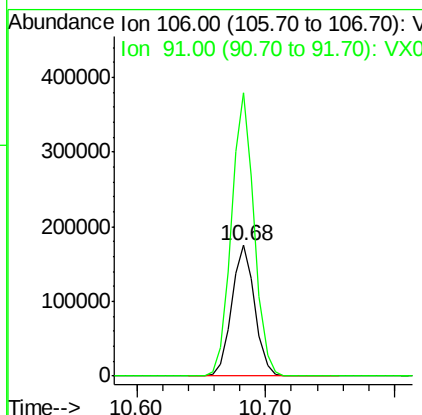
#69
o-Xylene
Concen: 51.133 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tot Ion:106 Resp: 220036
Ion Ratio Lower Upper
106 100
91 212.7 105.6 316.7

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

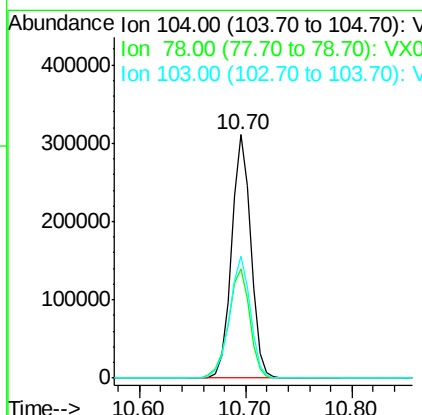
Manual Integrations
APPROVED

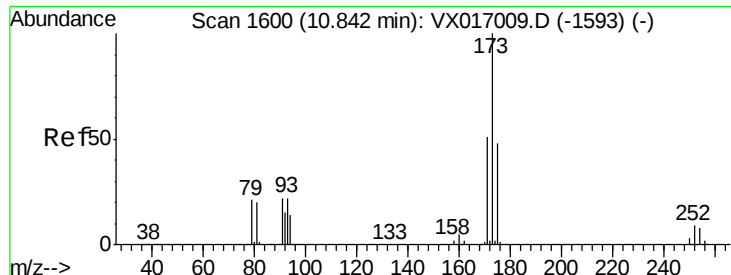
MMDadoda
7/2/2020 9:15:43 AM



#70
Styrene
Concen: 54.032 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion:104 Resp: 395935
Ion Ratio Lower Upper
104 100
78 49.5 39.5 59.3
103 53.8 43.0 64.6





#71

Bromoform

Concen: 56.082 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 120906

Ion Ratio Lower Upper

173 100

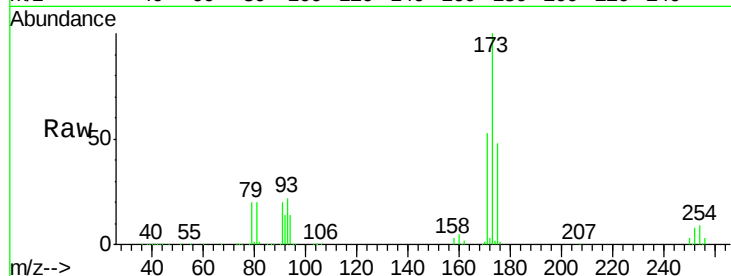
175 47.6 24.5 73.5

254 0.0 0.1 0.1#

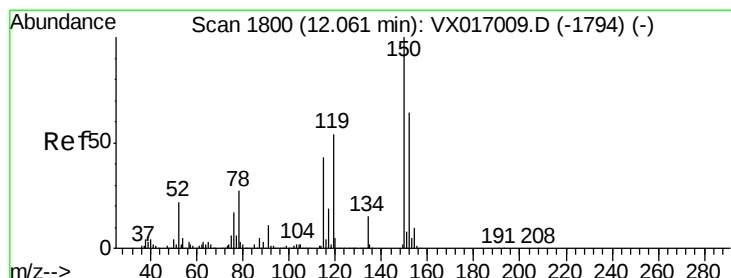
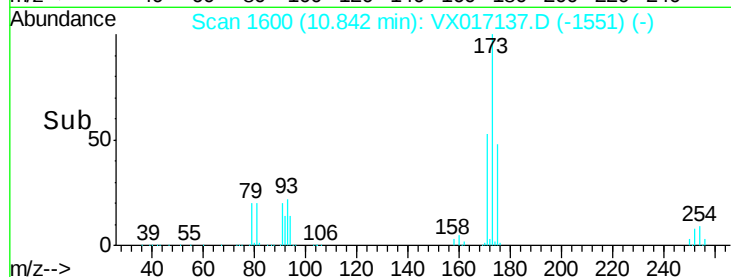
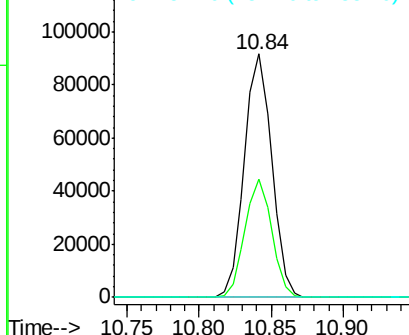
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

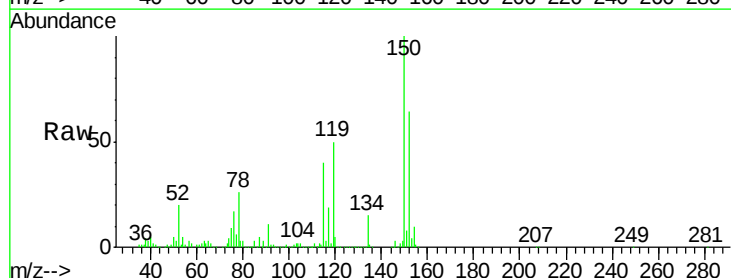
Tgt Ion:152 Resp: 189161

Ion Ratio Lower Upper

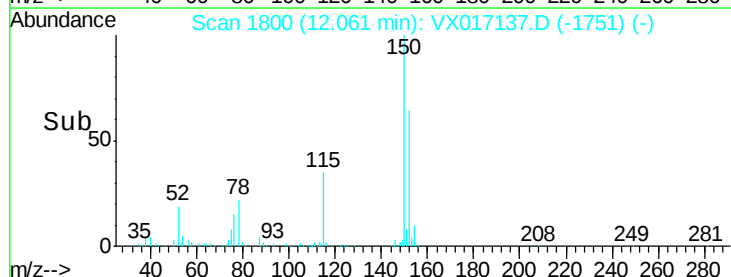
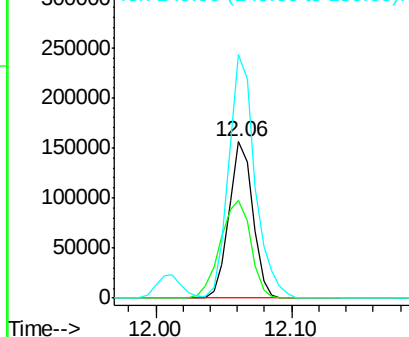
152 100

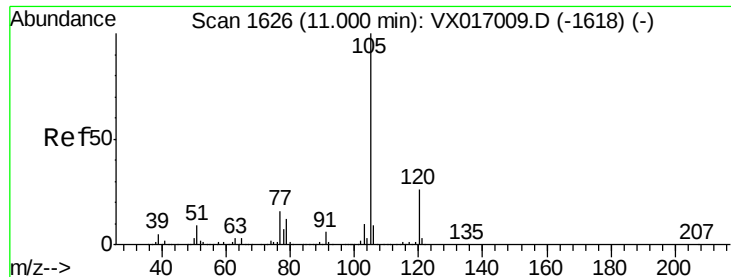
115 79.9 40.9 122.7

150 172.2 0.0 351.6



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: 48.684 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 603207

Ion Ratio Lower Upper

105 100

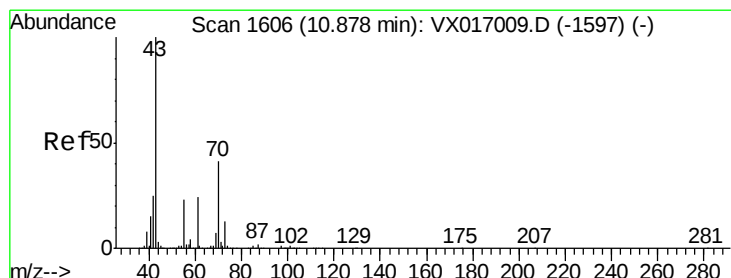
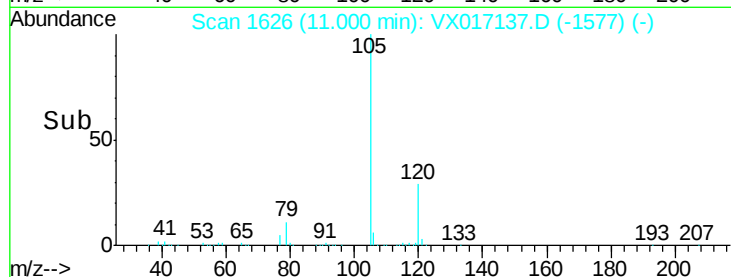
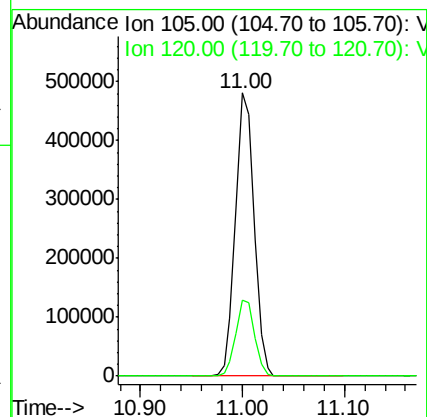
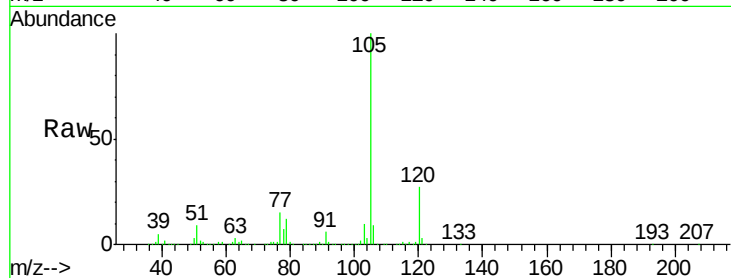
120 27.2 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.088 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Tgt Ion: 43 Resp: 254231

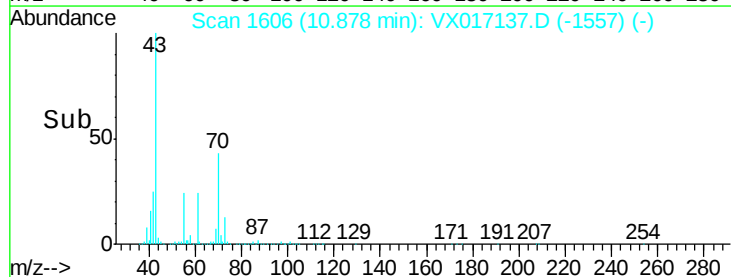
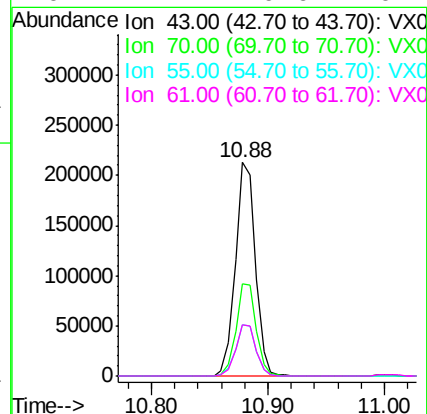
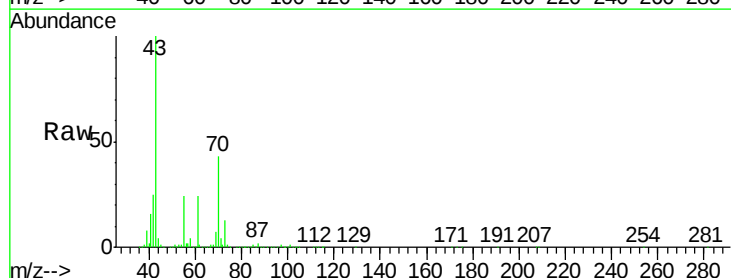
Ion Ratio Lower Upper

43 100

70 43.3 34.2 51.2

55 24.4 19.2 28.8

61 24.2 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.622 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

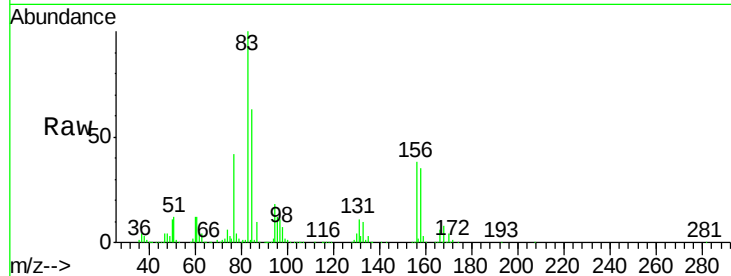
ClientSampleId :

VSTDCCC050EC

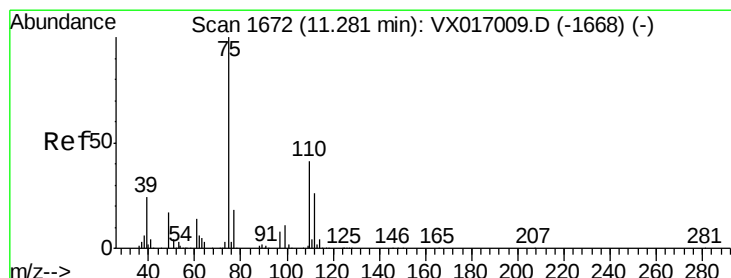
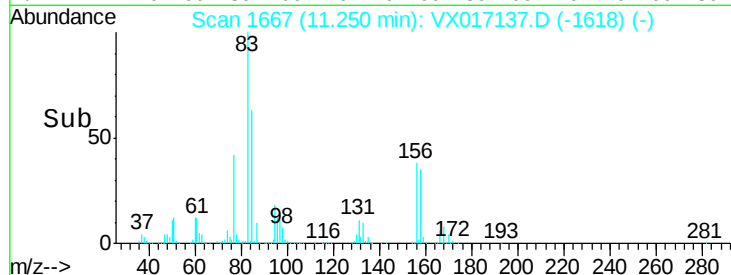
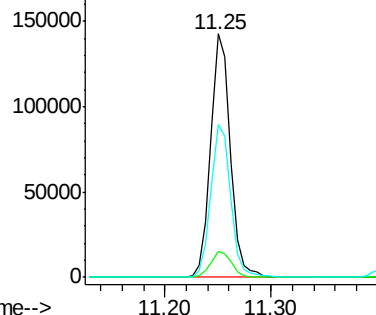
Tot Ion:	83	Resp:	185605
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.4	16.2
85	63.7	31.9	95.9

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Abundance Ion 82.90 (82.60 to 83.60): VX017137.D (-1618) (-)



#76

1,2,3-Trichloropropane

Concen: 47.852 ug/l m

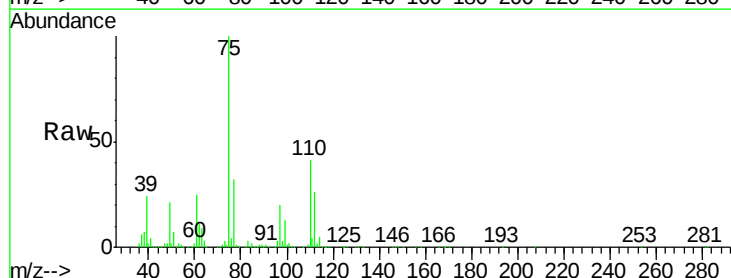
RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

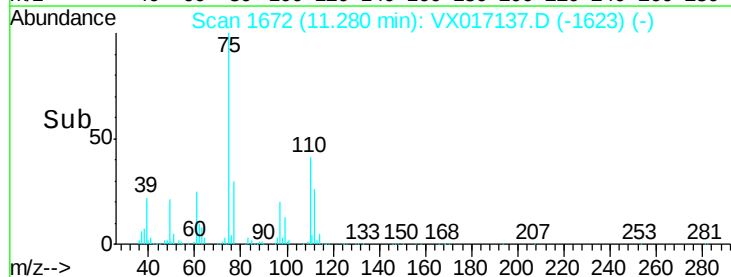
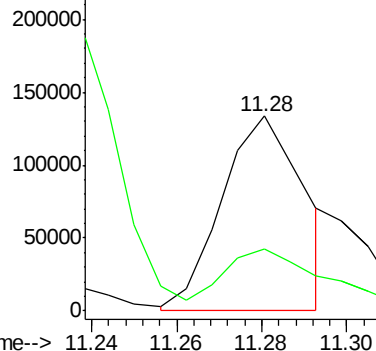
Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Tgt Ion:	75	Resp:	177998
Ion Ratio	Lower	Upper	
75	100		
77	40.2	20.2	60.6



Abundance Ion 74.90 (74.60 to 75.60): VX017137.D (-1623) (-)





#77

Bromobenzene

Concen: 47.511 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 161789

Ion Ratio Lower Upper

156 100

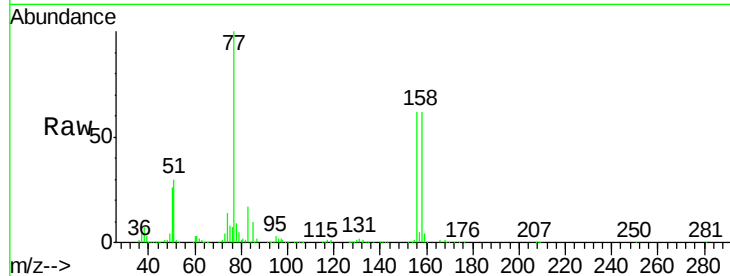
77 150.8 76.9 230.7

158 97.1 47.9 143.6

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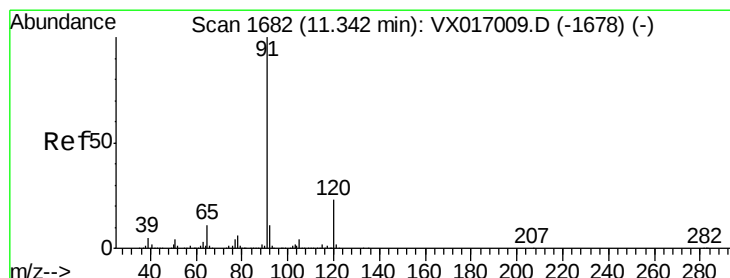
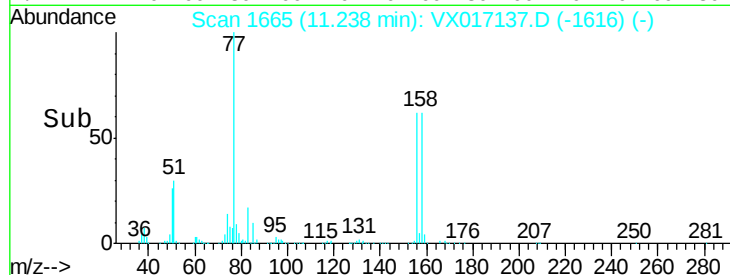
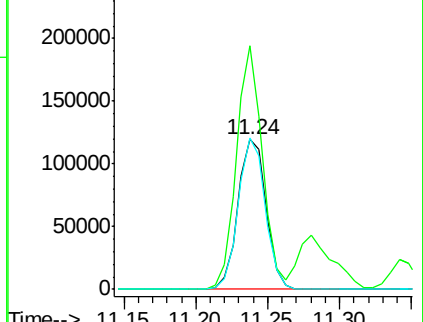
7/2/2020 9:15:43 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.647 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017137.D

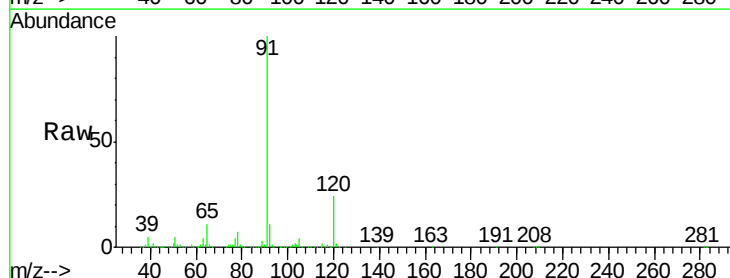
Acq: 02 Jul 2020 06:48

Tgt Ion: 91 Resp: 681605

Ion Ratio Lower Upper

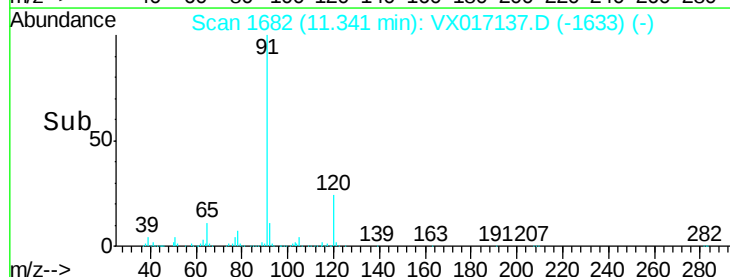
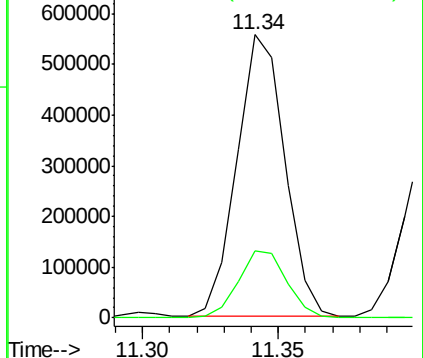
91 100

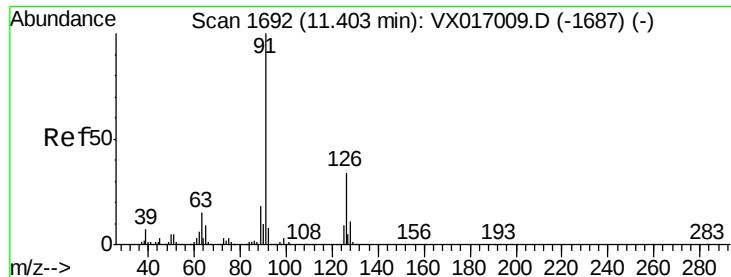
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





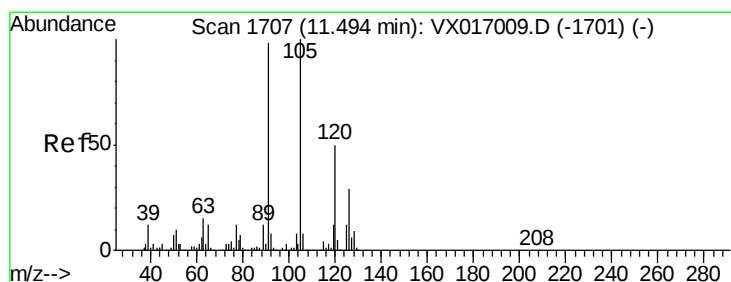
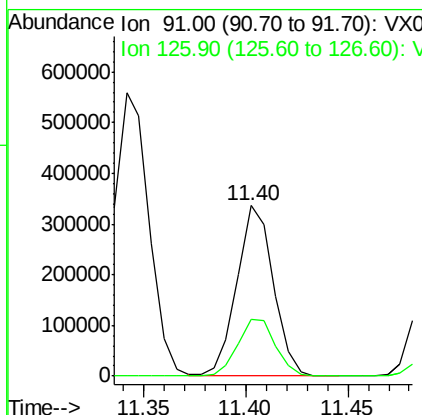
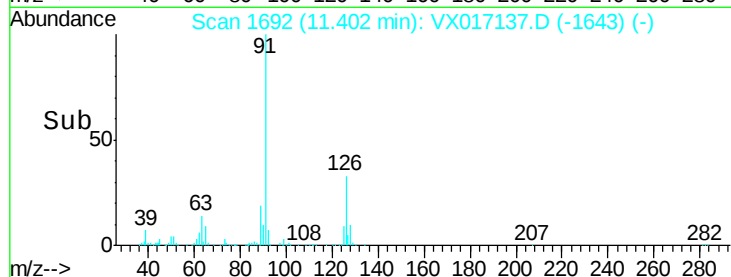
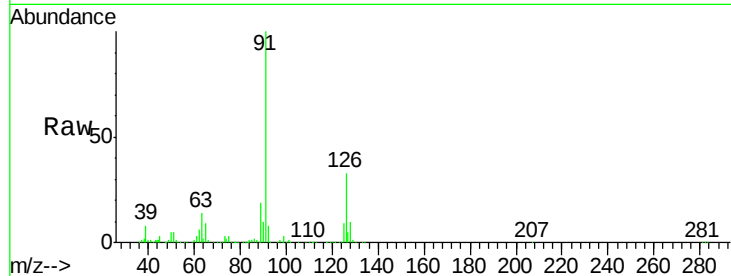
#79
 2-Chlorotoluene
 Concen: 48.875 ug/l
 RT: 11.40 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VX017137.D
 Acq: 02 Jul 2020 06:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 414453
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.4 52.3

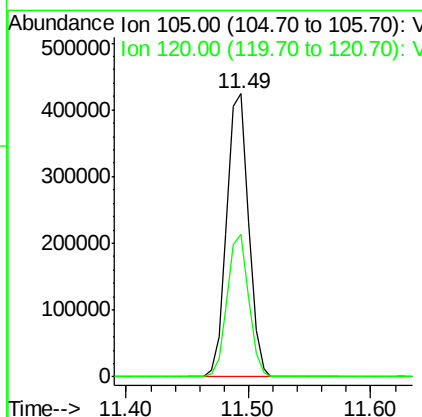
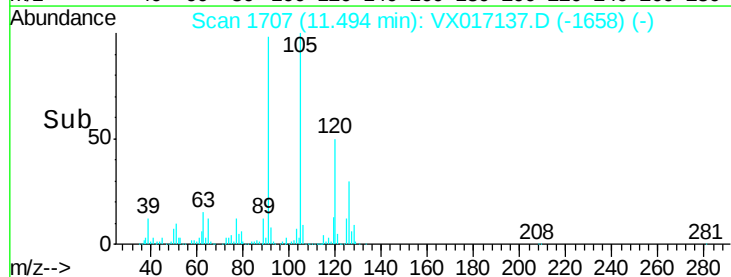
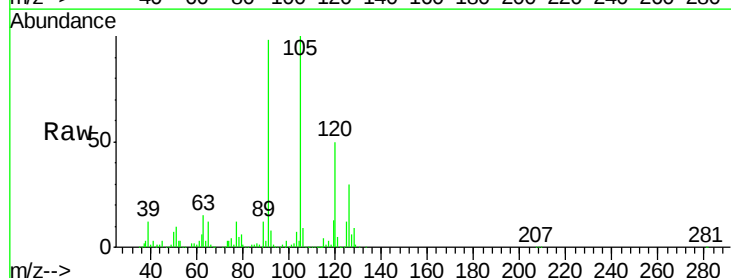
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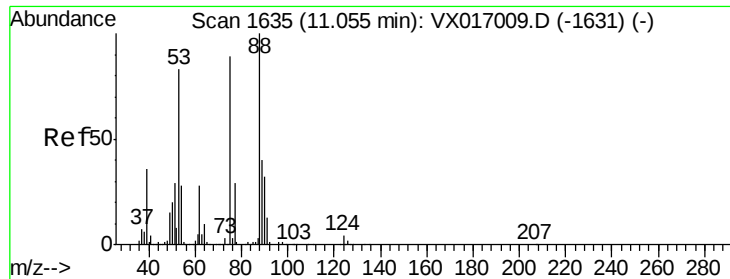
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.897 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX017137.D
 Acq: 02 Jul 2020 06:48

Tgt Ion: 105 Resp: 523091
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 41.686 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 59877

Ion Ratio Lower Upper

75 100

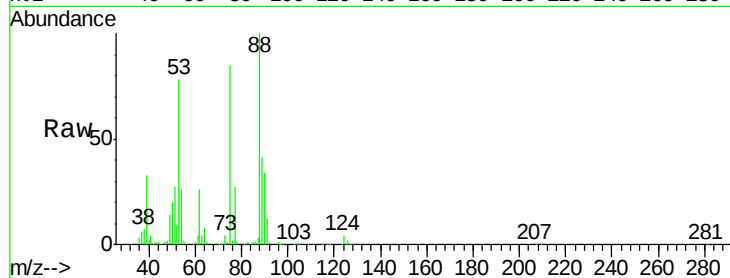
53 98.7 72.4 108.6

89 47.2 37.0 55.4

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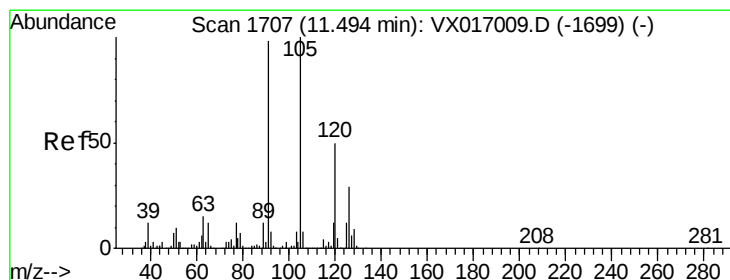
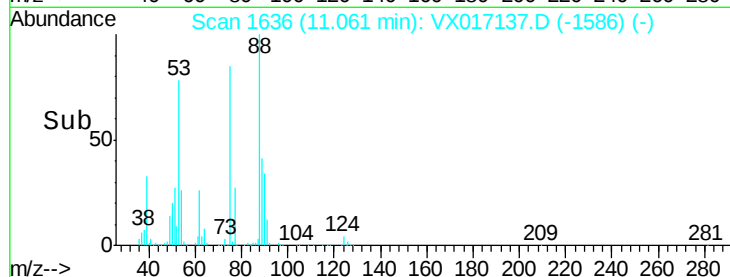
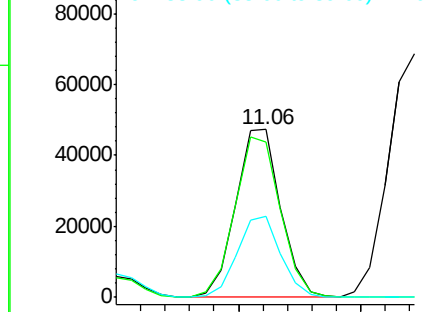
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.811 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017137.D

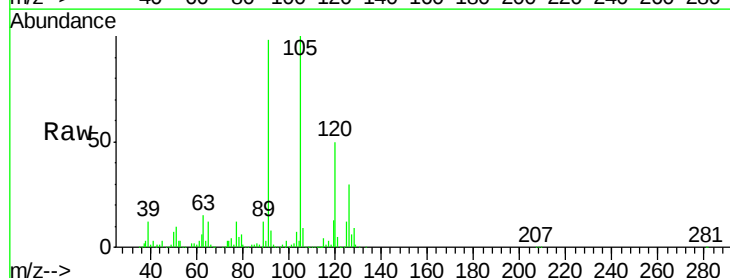
Acq: 02 Jul 2020 06:48

Tgt Ion: 91 Resp: 494803

Ion Ratio Lower Upper

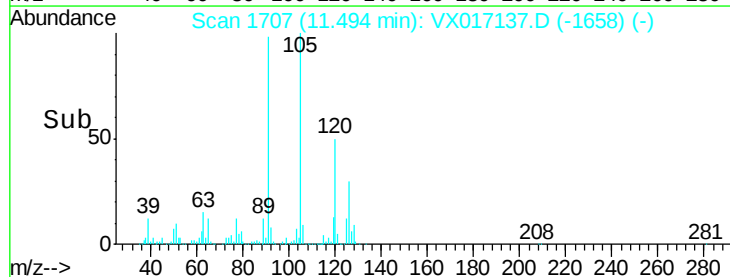
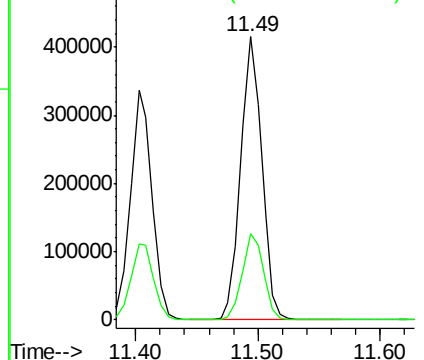
91 100

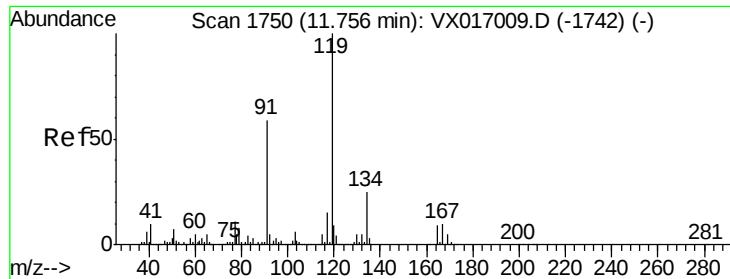
126 30.4 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





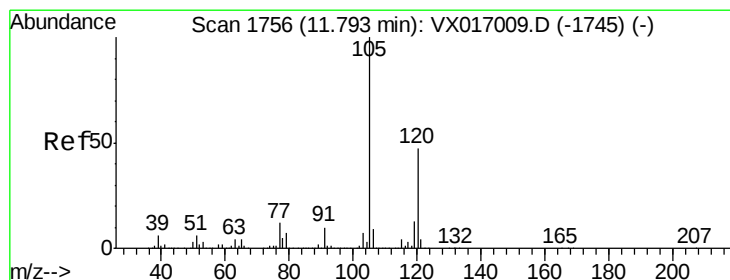
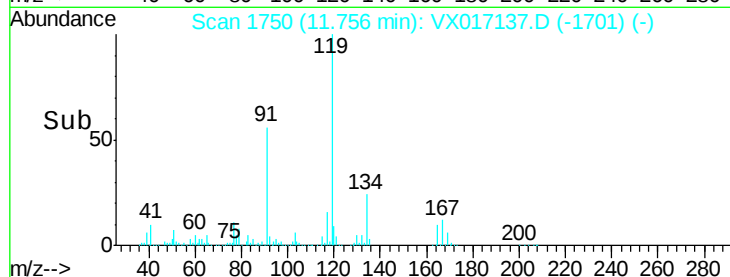
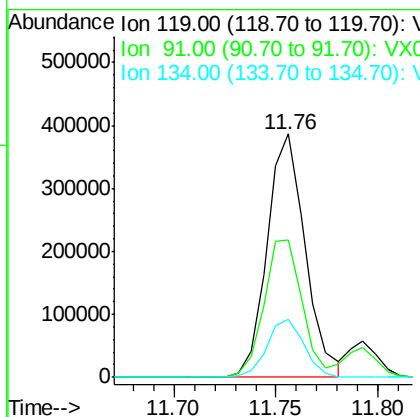
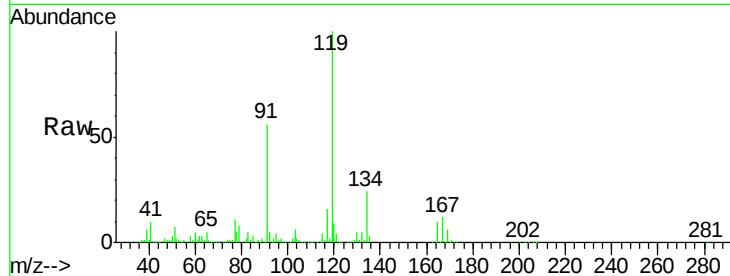
#83
tert-Butylbenzene
Concen: 49.918 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.4	28.3	84.9
134	23.2	11.7	35.1

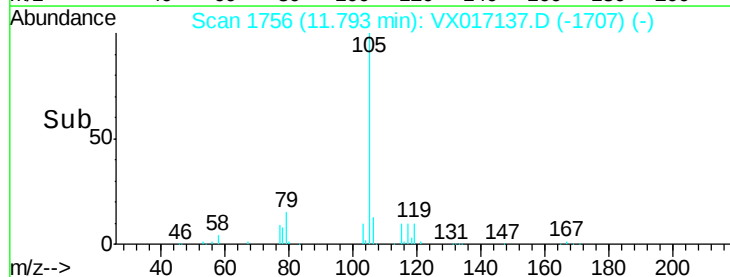
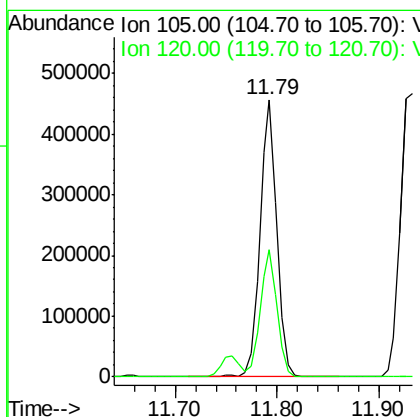
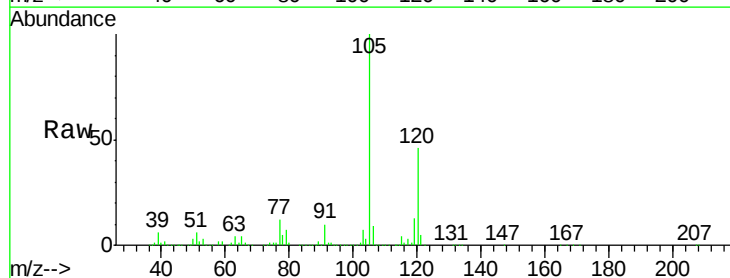
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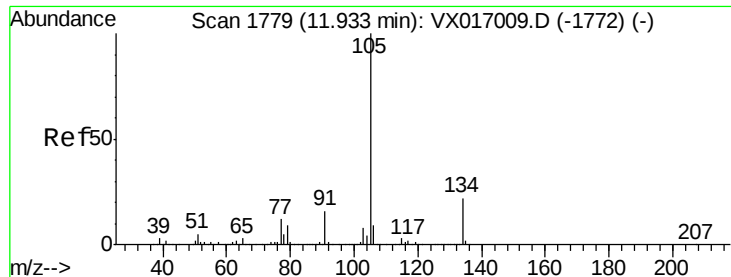
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#84
1,2,4-Trimethylbenzene
Concen: 50.722 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.5





#85

sec-Butylbenzene

Concen: 49.509 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 587138

Ion Ratio Lower Upper

105 100

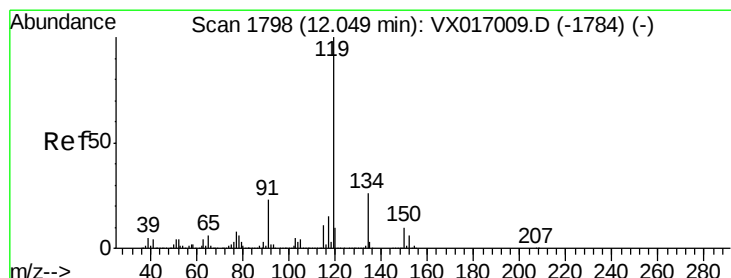
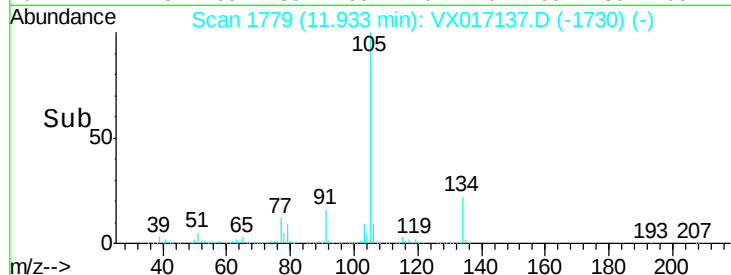
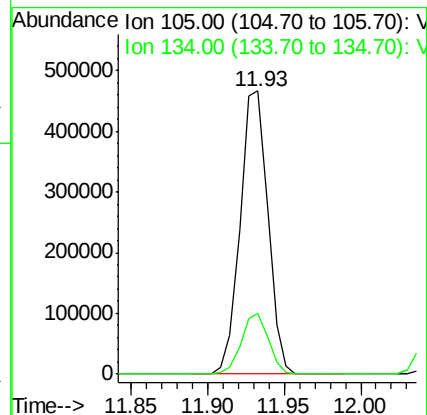
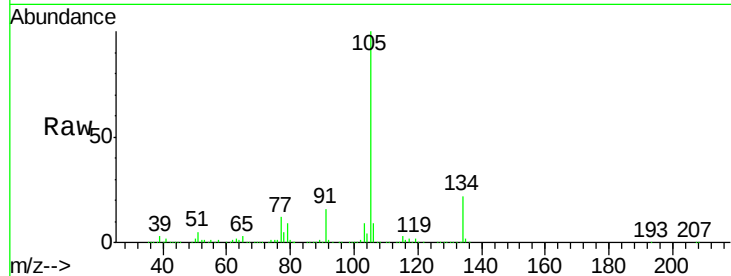
134 21.0 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 50.137 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

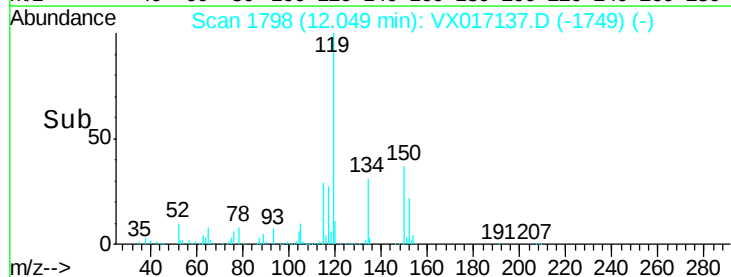
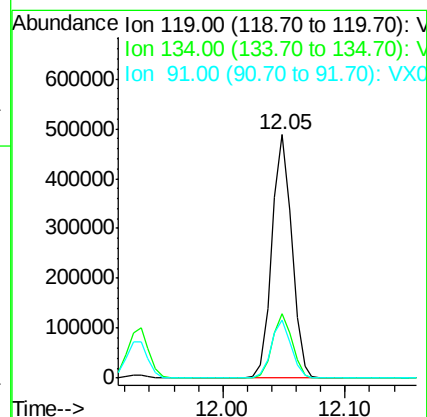
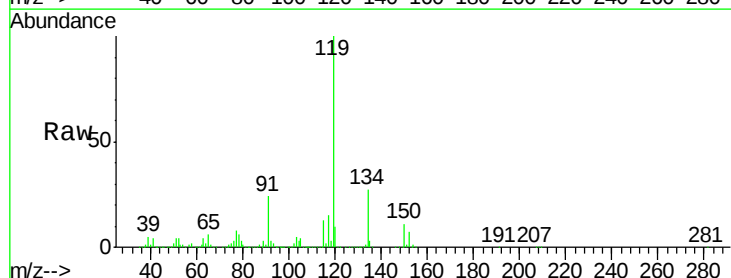
Tgt Ion:119 Resp: 553507

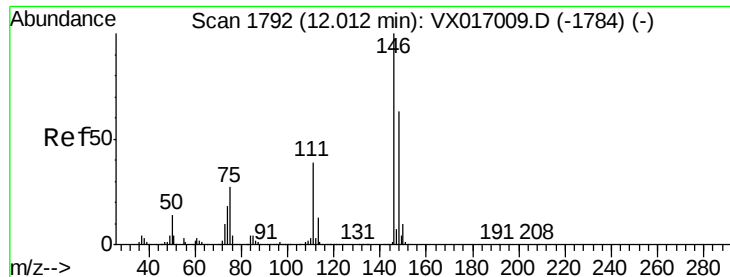
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.8 11.8 35.4





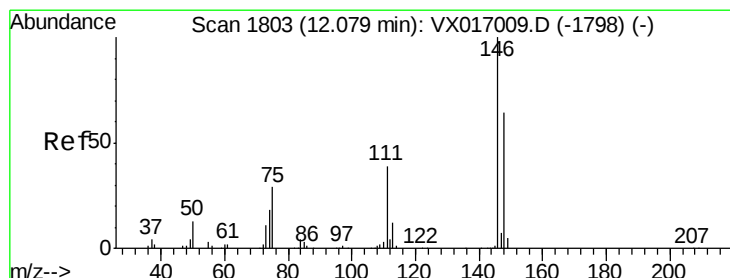
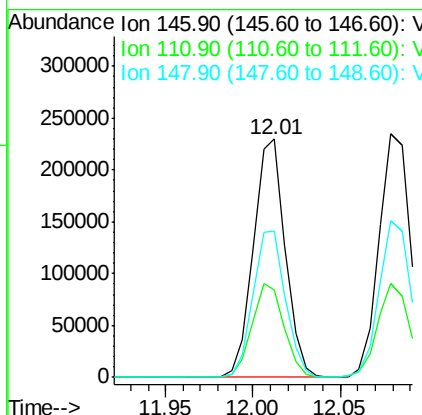
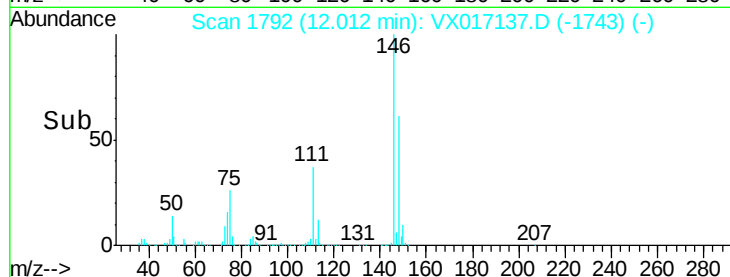
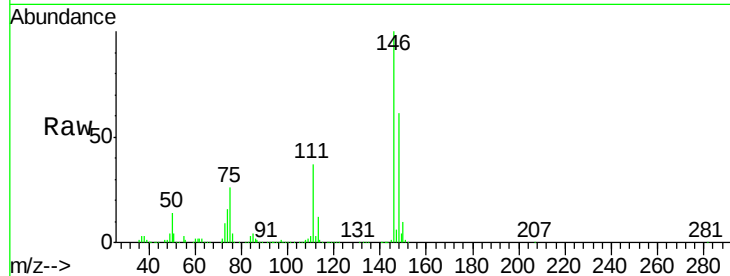
#87
 1,3-Dichlorobenzene
 Concen: 46.867 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX017137.D
 Acq: 02 Jul 2020 06:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.4	61.2
148	62.9	32.5	97.5

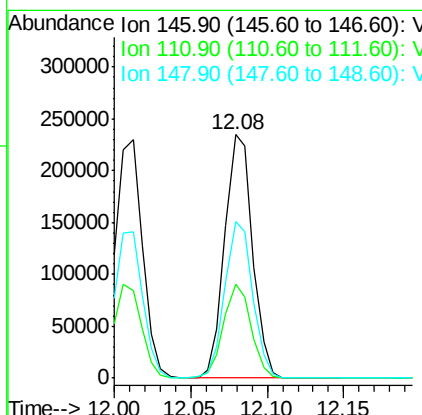
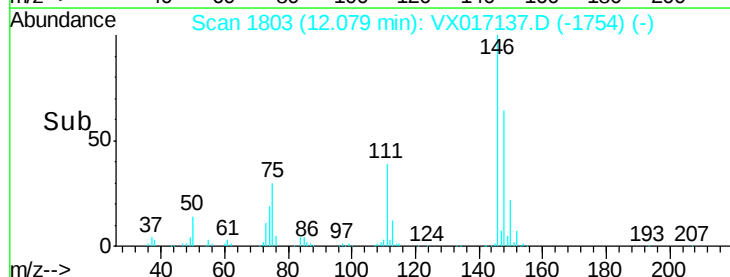
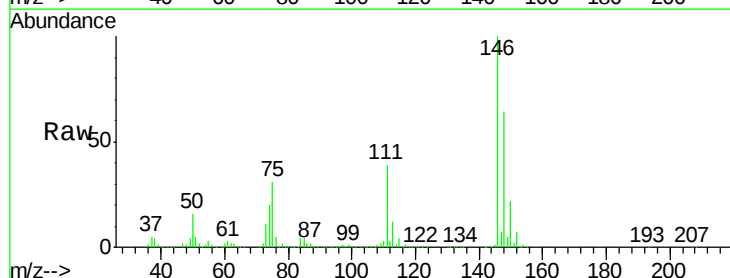
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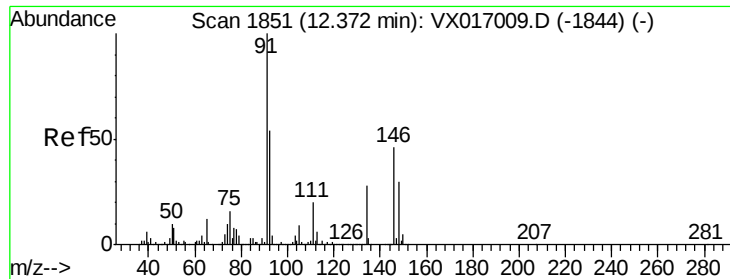
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#88
 1,4-Dichlorobenzene
 Concen: 50.940 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017137.D
 Acq: 02 Jul 2020 06:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.5	58.5
148	64.4	31.9	95.7





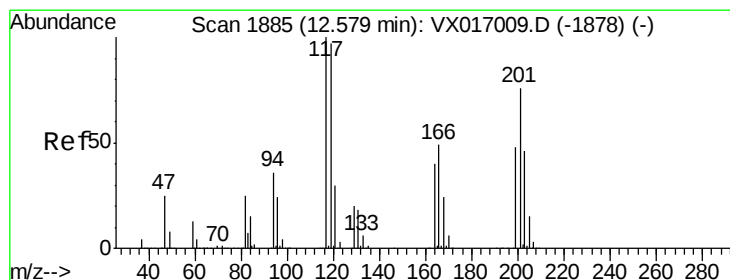
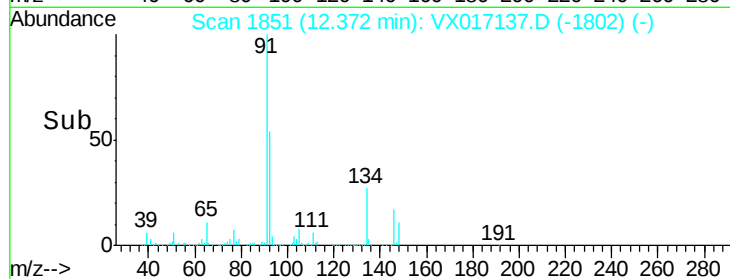
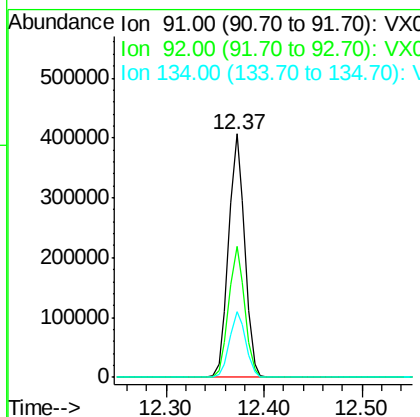
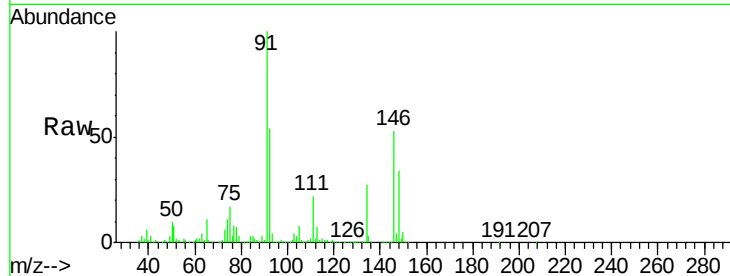
#89
n-Butylbenzene
Concen: 47.120 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.2	81.6
134	27.1	13.6	40.7

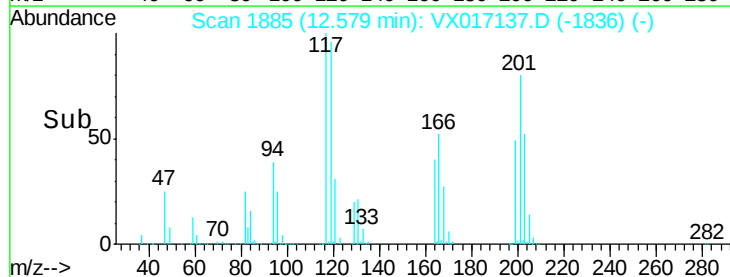
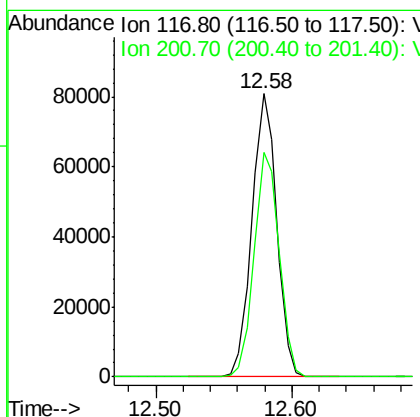
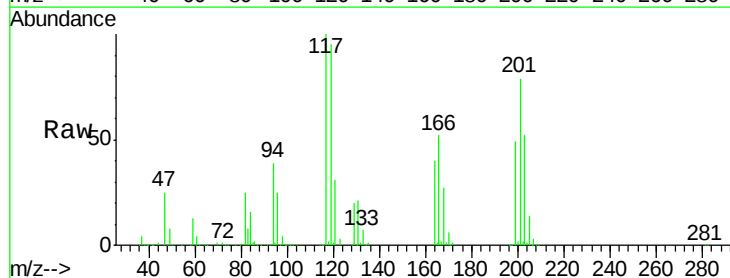
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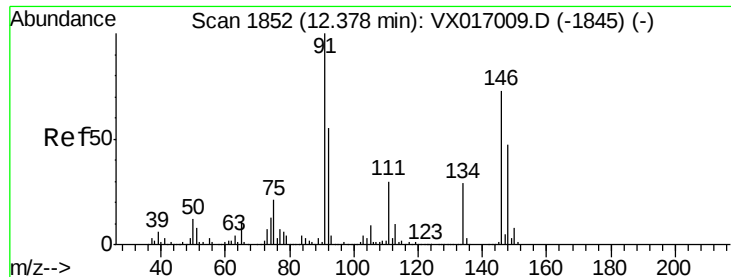
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#90
Hexachloroethane
Concen: 47.636 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017137.D
Acq: 02 Jul 2020 06:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	39.4	118.2





#91

1,2-Dichlorobenzene

Concen: 48.607 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

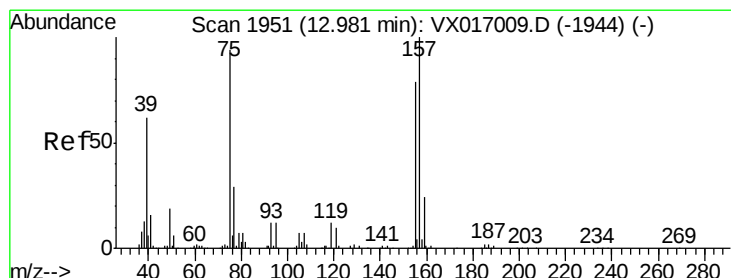
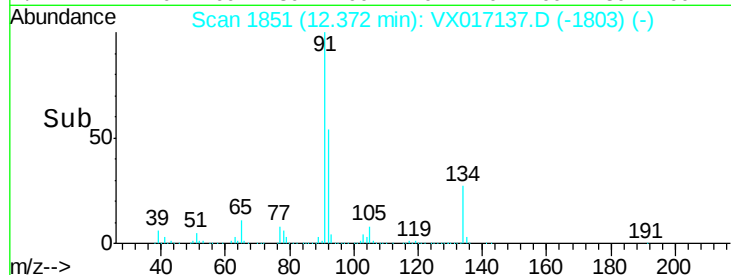
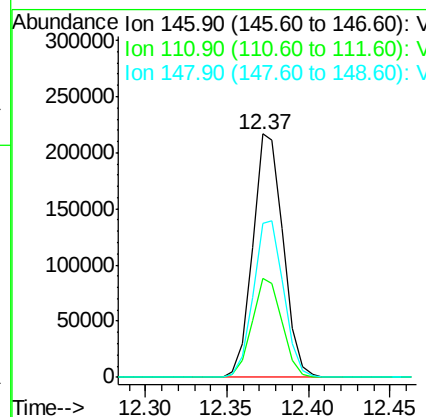
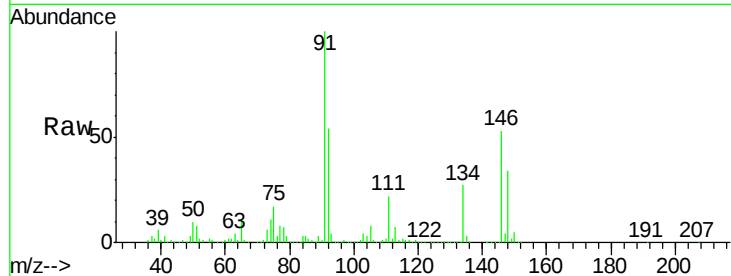
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	281004
Ion Ratio	Lower	Upper	
146	100		
111	40.1	20.6	61.9
148	64.3	32.4	97.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.890 ug/l

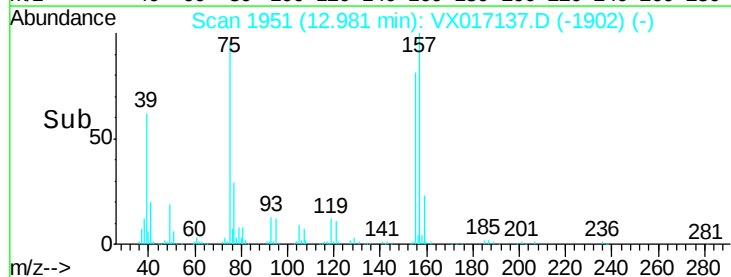
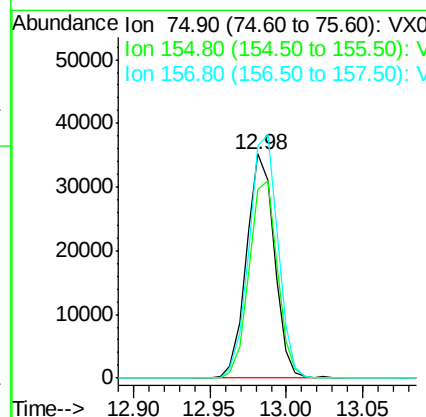
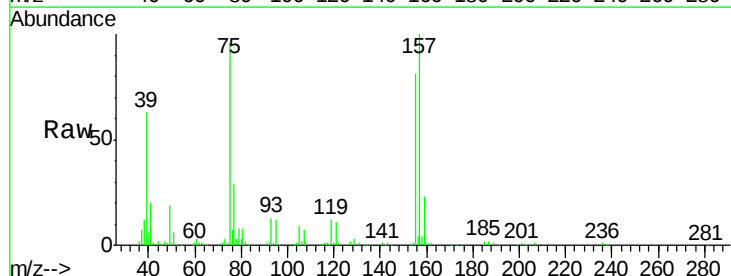
RT: 12.98 min Scan# 1951

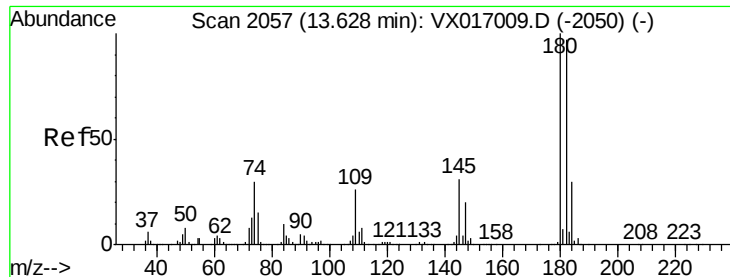
Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Tgt Ion:	75	Resp:	44526
Ion Ratio	Lower	Upper	
75	100		
155	89.1	45.1	135.2
157	112.4	56.5	169.3





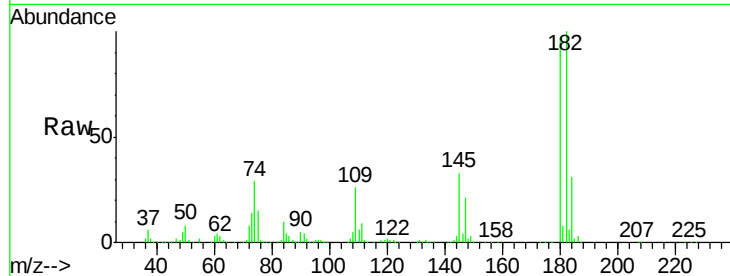
#93
 1,2,4-Trichlorobenzene
 Concen: 46.205 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017137.D
 Acq: 02 Jul 2020 06:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

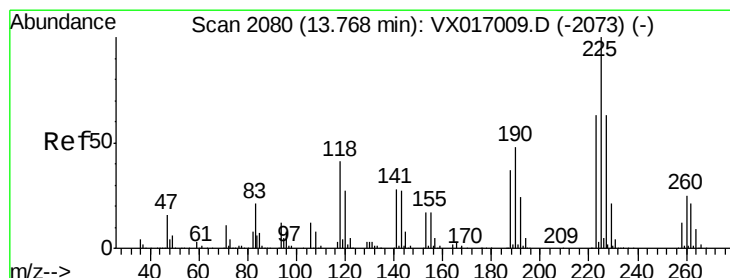
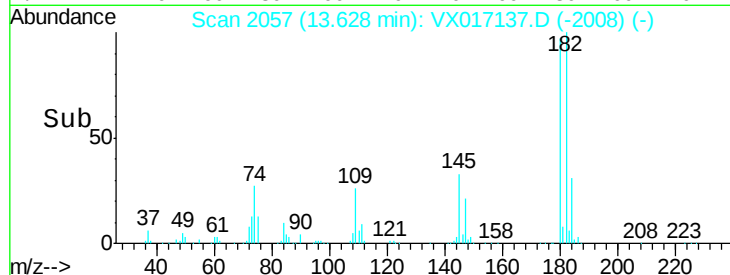
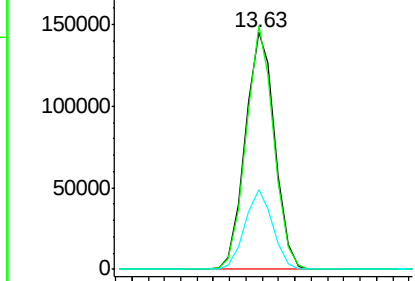
Tot Ion	Ratio	Resp	Lower	Upper
180	100	182317		
182	96.5	47.3	141.9	
145	31.7	15.4	46.2	

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 9:15:43 AM

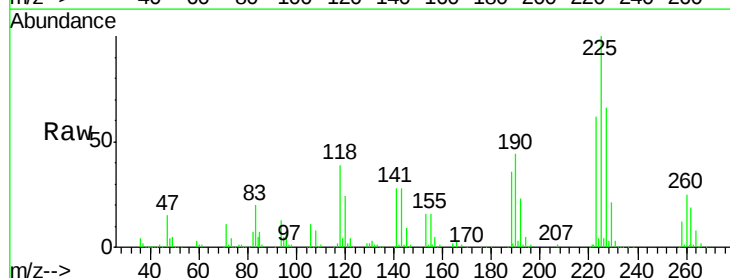


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

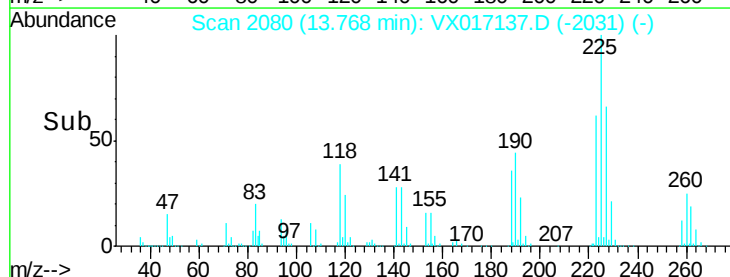
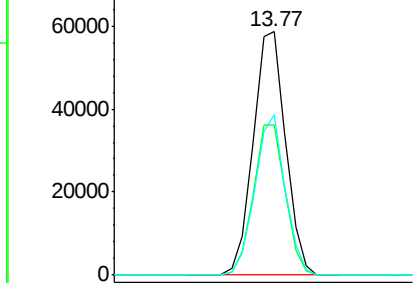


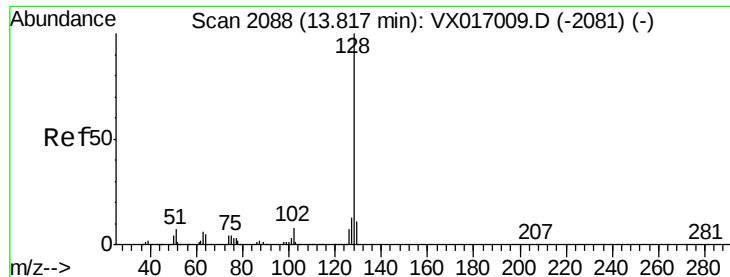
#94
 Hexachlorobutadiene
 Concen: 50.352 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX017137.D
 Acq: 02 Jul 2020 06:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75413		
223	60.8	32.5	97.5	
227	61.5	33.1	99.2	



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





#95

Naphthalene

Concen: 50.962 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Instrument :

MSVOA_X

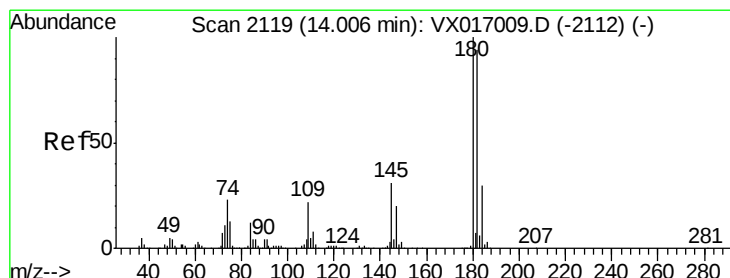
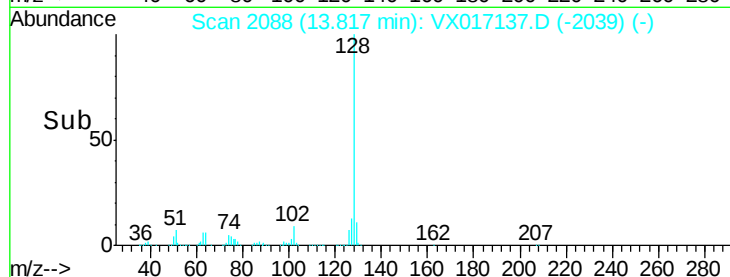
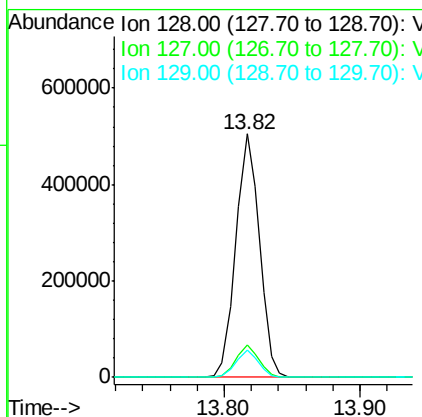
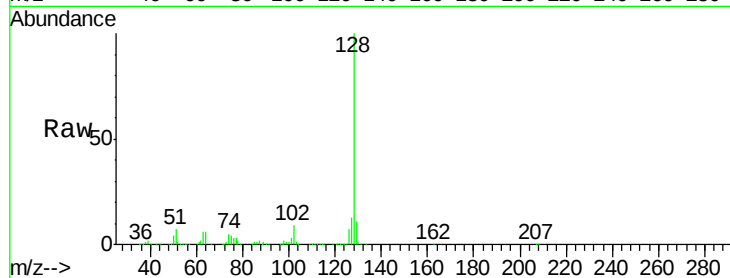
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	611339
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/2/2020 9:15:43 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.779 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX017137.D

Acq: 02 Jul 2020 06:48

Tgt Ion:	180	Resp:	186270
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.1	141.4
145	33.4	16.6	49.7

