

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX017966.D
 Acq On : 18 Aug 2020 18:58
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 8:53:44 AM

Quant Time: Aug 19 03:10:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 02:55:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	433620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	658457	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	672370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	344302	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	300024	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
35) Dibromofluoromethane	5.47	113	231340	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
50) Toluene-d8	8.70	98	824416	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	11.12	95	311737	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	323177	65.516	ug/l	100
3) Chloromethane	1.32	50	312372	52.921	ug/l	100
4) Vinyl Chloride	1.39	62	304015	54.221	ug/l	100
5) Bromomethane	1.62	94	176538	54.414	ug/l	100
6) Chloroethane	1.71	64	172051	51.382	ug/l	100
7) Trichlorofluoromethane	1.91	101	471771	53.548	ug/l	100
8) Diethyl Ether	2.17	74	130977	42.986	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.36	101	214508	46.074	ug/l	100
10) Methyl Iodide	2.49	142	299355	50.303	ug/l	100
11) Tert butyl alcohol	3.03	59	300255	258.908	ug/l	100
12) 1,1-Dichloroethene	2.35	96	192019	43.841	ug/l	100
13) Acrolein	2.28	56	164447	216.197	ug/l	100
14) Allyl chloride	2.71	41	334284	42.373	ug/l	100
15) Acrylonitrile	3.12	53	666455	264.295	ug/l	100
16) Acetone	2.42	43	636975	258.958	ug/l	100
17) Carbon Disulfide	2.55	76	499444	38.198	ug/l	100
18) Methyl Acetate	2.75	43	309889	53.637	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	748027	48.754	ug/l	100
20) Methylene Chloride	2.84	84	214348	40.705	ug/l	100
21) trans-1,2-Dichloroethene	3.14	96	197118	42.296	ug/l	100
22) Diisopropyl ether	3.83	45	733043	48.913	ug/l	100
23) Vinyl Acetate	3.79	43	2737982	212.232	ug/l	100
24) 1,1-Dichloroethane	3.67	63	395334	46.075	ug/l	100
25) 2-Butanone	4.64	43	955929	271.489	ug/l	100
26) 2,2-Dichloropropane	4.55	77	371073	48.069	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	238265	46.058	ug/l	100
28) Bromochloromethane	4.98	49	201039	50.904	ug/l	100
29) Tetrahydrofuran	5.10	42	625712	285.620	ug/l	100
30) Chloroform	5.18	83	432362	48.905	ug/l	100
31) Cyclohexane	5.55	56	358335	51.337	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	401091	48.260	ug/l	100
36) 1,1-Dichloropropene	5.77	75	291330	46.446	ug/l	100
37) Ethyl Acetate	4.80	43	326088	48.315	ug/l	100
38) Carbon Tetrachloride	5.76	117	373289	48.502	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	351727	47.519	ug/l	100
40) Benzene	6.12	78	846585	47.208	ug/l	100
41) Methacrylonitrile	5.01	41	192860	48.901	ug/l	100
42) 1,2-Dichloroethane	6.17	62	354368	48.166	ug/l	100
43) Isopropyl Acetate	6.42	43	538075	48.724	ug/l	100
44) Trichloroethene	7.19	130	252920	47.929	ug/l	100
45) 1,2-Dichloropropane	7.49	63	235354	46.689	ug/l	100
46) Dibromomethane	7.64	93	164834	46.368	ug/l	100
47) Bromodichloromethane	7.88	83	389774	53.456	ug/l	100
48) Methyl methacrylate	7.75	41	287118	50.549	ug/l	100
49) 1,4-Dioxane	7.72	88	110955	1015.442	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	1861436	272.534	ug/l	100
52) Toluene	8.77	92	550738	47.588	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	383689	48.612	ug/l	100
54) cis-1,3-Dichloropropene	8.41	75	385270	47.627	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	254101	52.303	ug/l	100
56) Ethyl methacrylate	9.16	69	374155	51.800	ug/l	100
57) 1,3-Dichloropropane	9.35	76	412037	51.772	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	863404	230.987	ug/l	100
59) 2-Hexanone	9.48	43	1413748	276.561	ug/l	100
60) Dibromochloromethane	9.57	129	311716	50.774	ug/l	100
61) 1,2-Dibromoethane	9.65	107	294444	56.441	ug/l	100
64) Tetrachloroethene	9.32	164	249011	42.234	ug/l	100
65) Chlorobenzene	10.12	112	669799	46.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	277577	47.605	ug/l	100
67) Ethyl Benzene	10.24	91	1095405	45.876	ug/l	100
68) m/p-Xylenes	10.34	106	826774	90.057	ug/l	100
69) o-Xylene	10.68	106	408259	46.028	ug/l	100
70) Styrene	10.69	104	733377	48.491	ug/l	100
71) Bromoform	10.84	173	250424	49.731	ug/l	100
73) Isopropylbenzene	11.01	105	1163004	49.499	ug/l	100
74) N-amyl acetate	10.88	43	516786	50.199	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	385988	51.671	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	368540m	51.942	ug/l	
77) Bromobenzene	11.24	156	320637	48.785	ug/l	100
78) n-propylbenzene	11.35	91	1338500	50.285	ug/l	100
79) 2-Chlorotoluene	11.41	91	808790	49.126	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1001311	50.067	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	145474	51.609	ug/l	100
82) 4-Chlorotoluene	11.49	91	932310	48.352	ug/l	100
83) tert-Butylbenzene	11.76	119	937866	49.210	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	1112632	55.049	ug/l	100
85) sec-Butylbenzene	11.93	105	1137117	50.820	ug/l	100
86) p-Isopropyltoluene	12.05	119	1068441	50.287	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	542281	48.318	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	552809	47.422	ug/l	100
89) n-Butylbenzene	12.37	91	889238	47.275	ug/l	100
90) Hexachloroethane	12.58	117	208197	49.464	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	525188	47.393	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	99601	48.930	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	339814	45.872	ug/l	100
94) Hexachlorobutadiene	13.77	225	153359	45.062	ug/l	100
95) Naphthalene	13.82	128	1141972	51.263	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	367154	49.609	ug/l	100

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

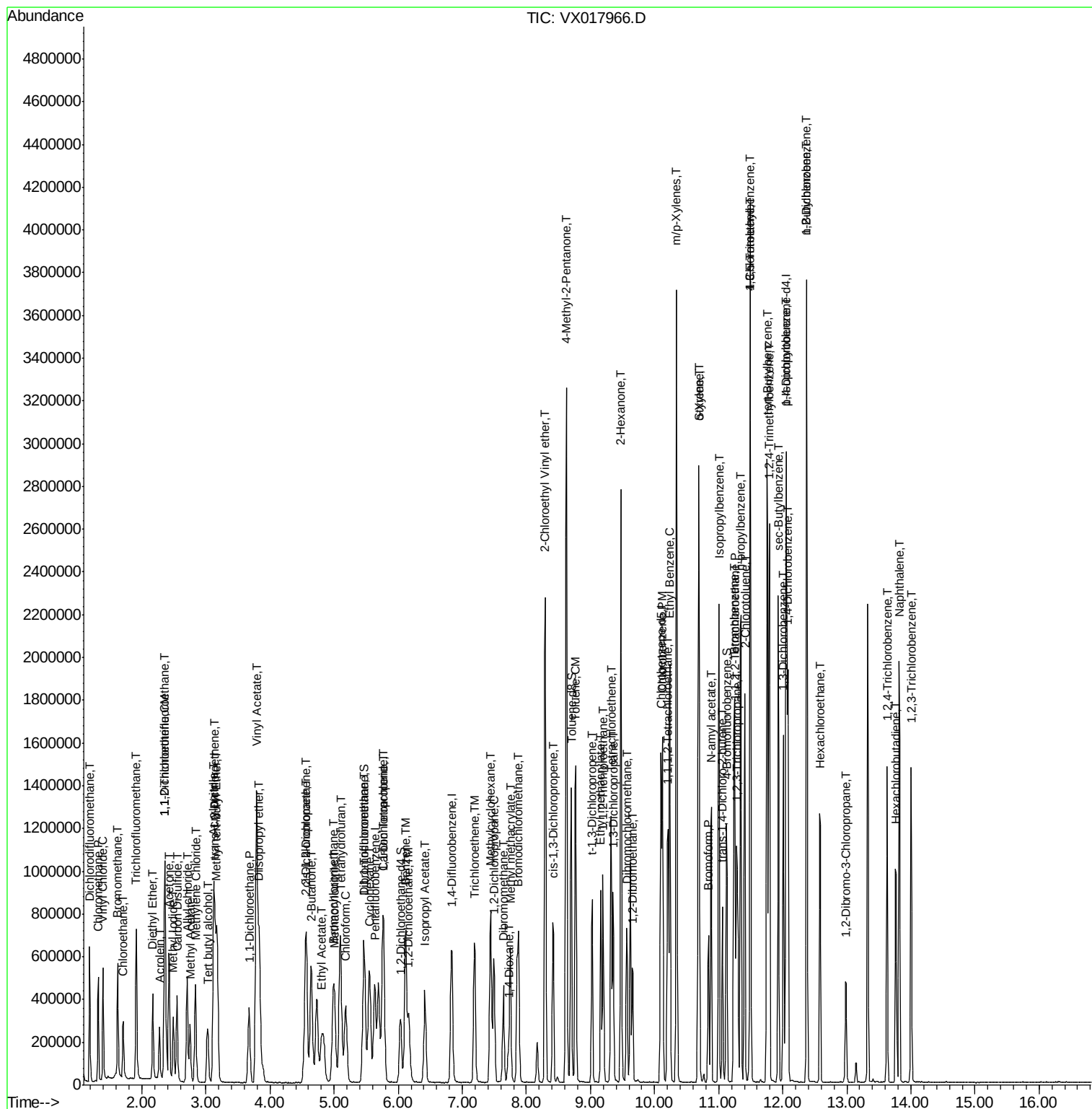
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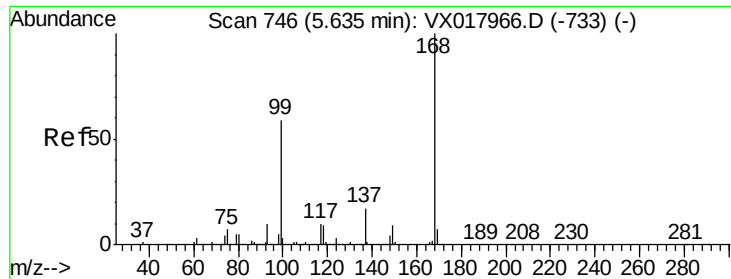
Instrument :
MSVOA_X
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VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 433620

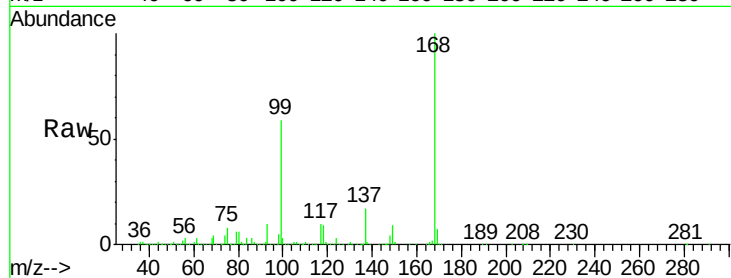
Ion Ratio Lower Upper

168 100

99 59.3 47.4 71.2

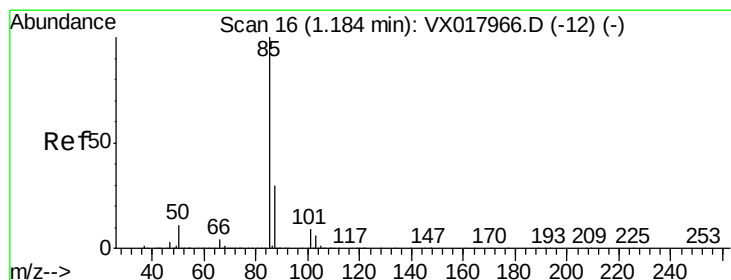
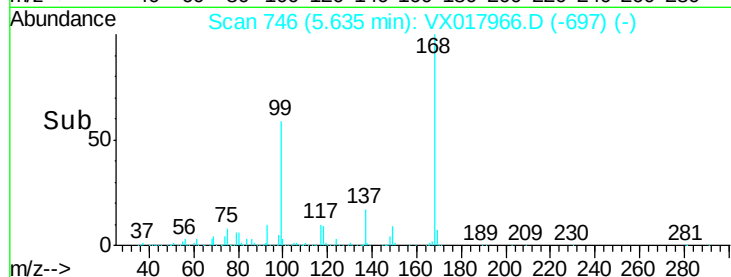
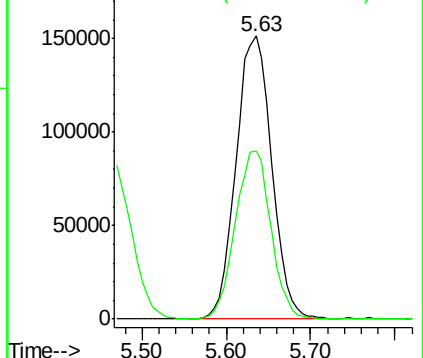
Manual Integrations
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8/19/2020 8:53:44 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 65.516 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017966.D

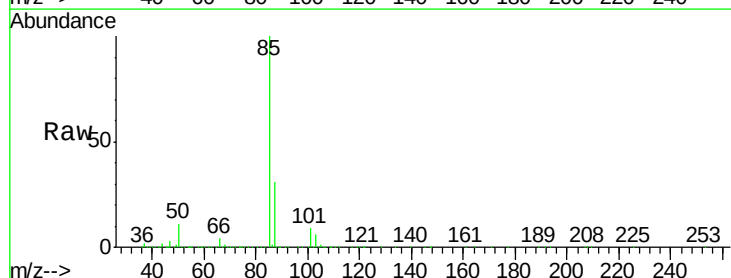
Acq: 18 Aug 2020 18:58

Tgt Ion: 85 Resp: 323177

Ion Ratio Lower Upper

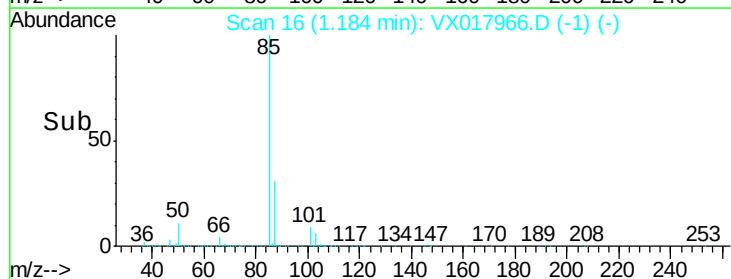
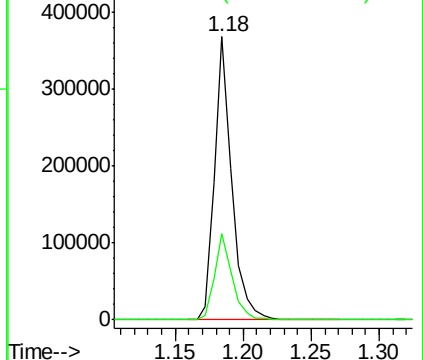
85 100

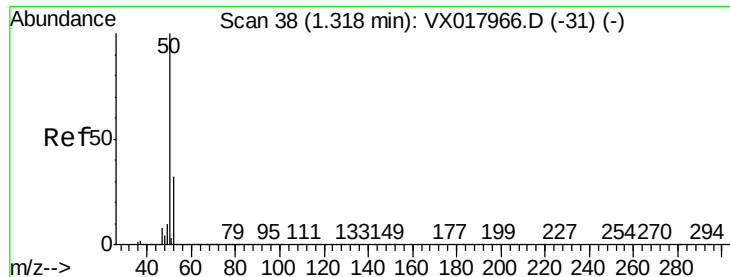
87 30.5 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 52.921 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 312372

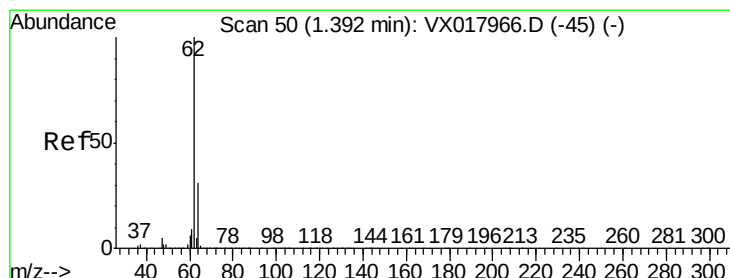
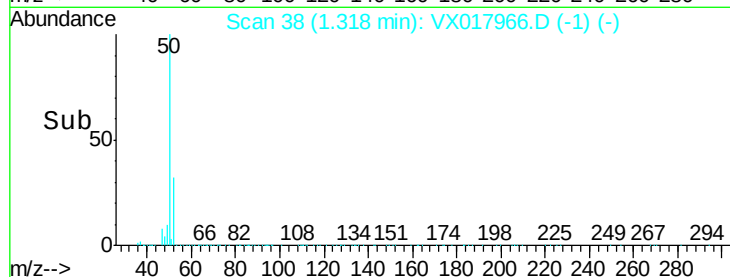
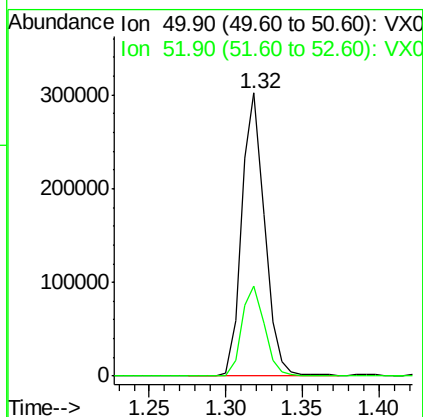
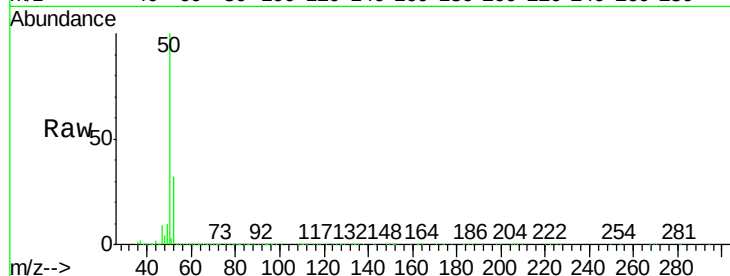
Ion Ratio Lower Upper

50 100

52 31.7 25.4 38.0

Manual Integrations
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8/19/2020 8:53:44 AM



#4

Vinyl Chloride

Concen: 54.221 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017966.D

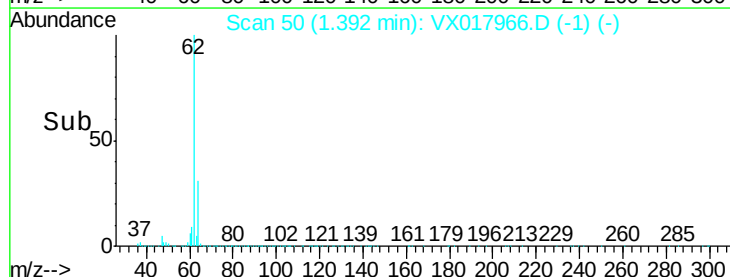
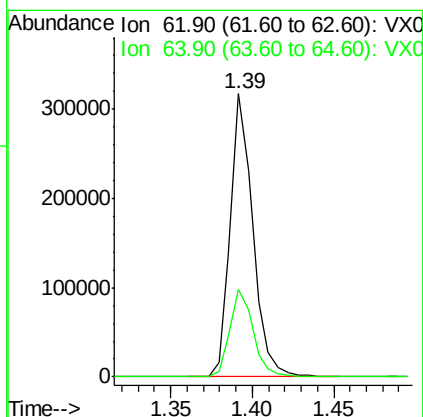
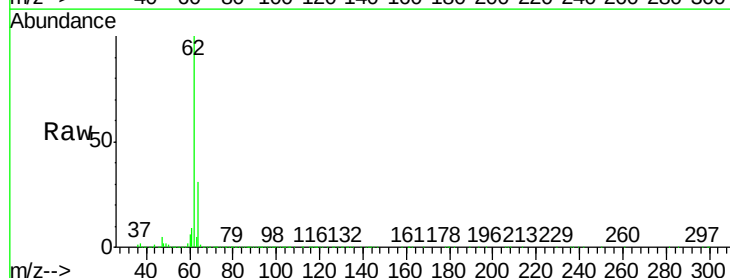
Acq: 18 Aug 2020 18:58

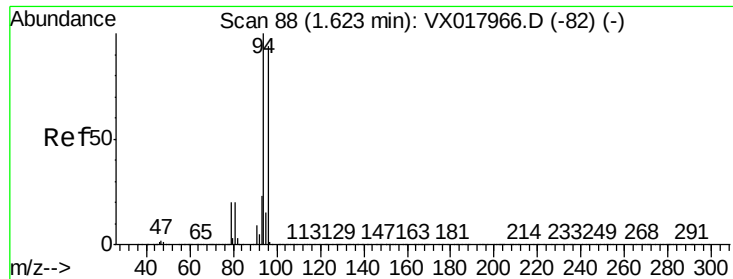
Tgt Ion: 62 Resp: 304015

Ion Ratio Lower Upper

62 100

64 30.9 24.7 37.1





#5

Bromomethane

Concen: 54.414 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

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ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 176538

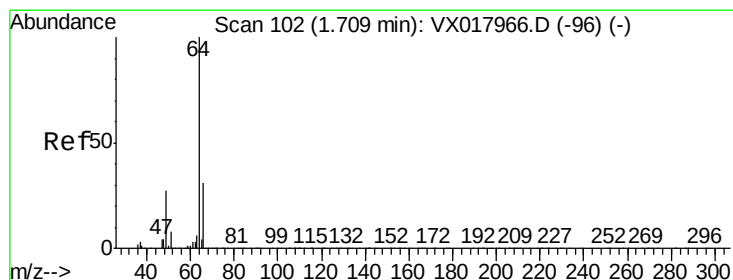
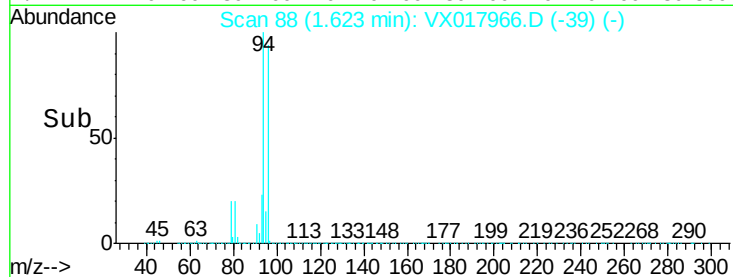
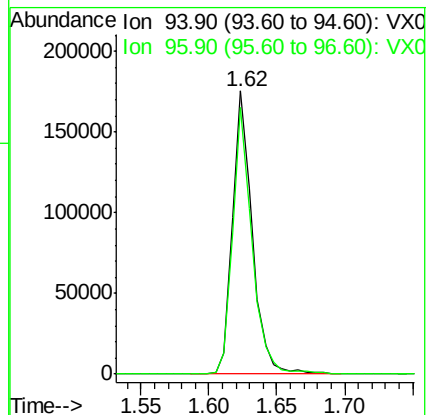
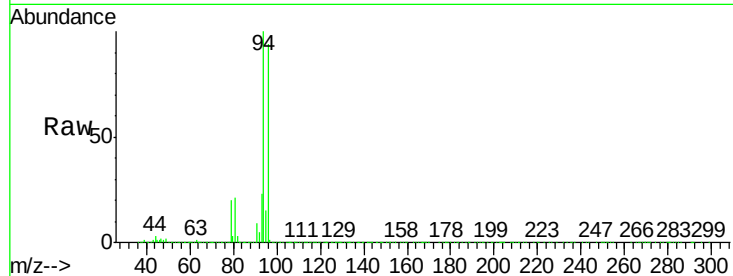
Ion Ratio Lower Upper

94 100

96 94.4 75.5 113.3

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#6

Chloroethane

Concen: 51.382 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017966.D

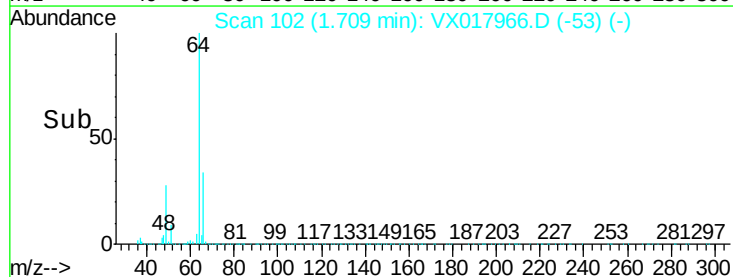
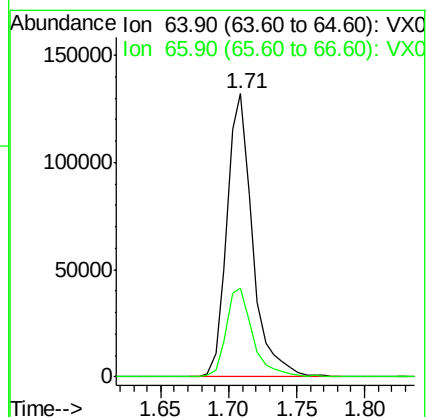
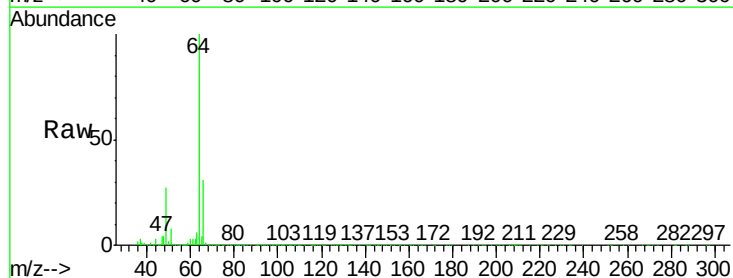
Acq: 18 Aug 2020 18:58

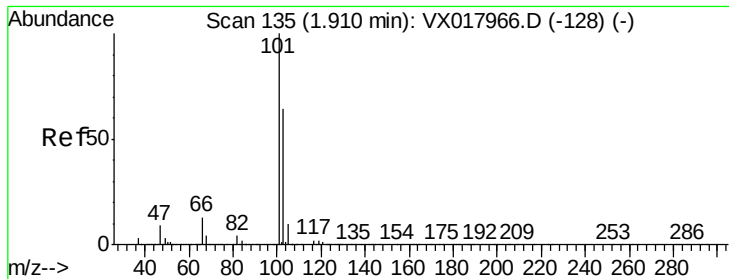
Tgt Ion: 64 Resp: 172051

Ion Ratio Lower Upper

64 100

66 31.2 25.0 37.4





#7

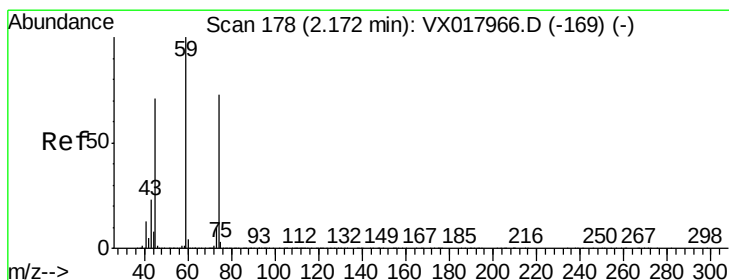
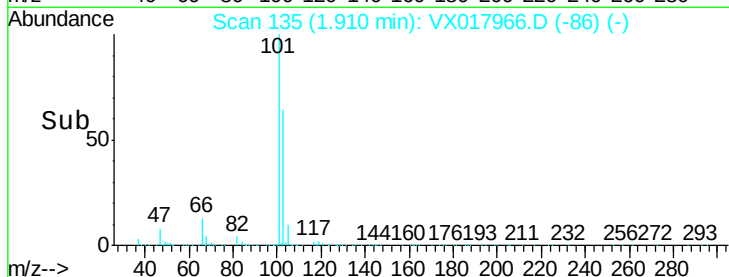
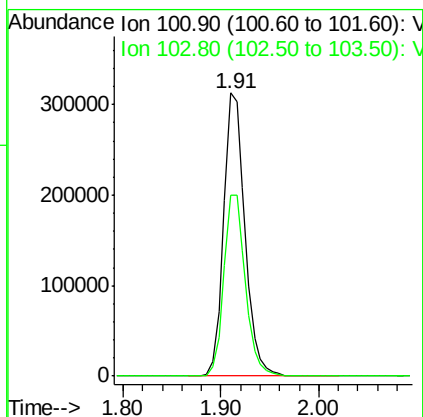
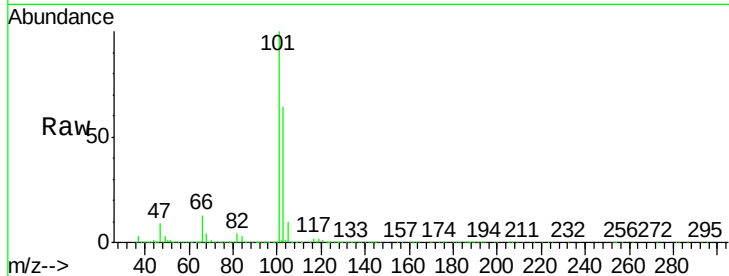
Trichlorofluoromethane
Concen: 53.548 ug/l
RT: 1.91 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

Manual Integrations
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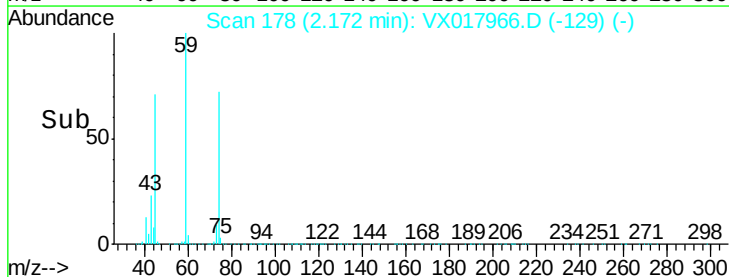
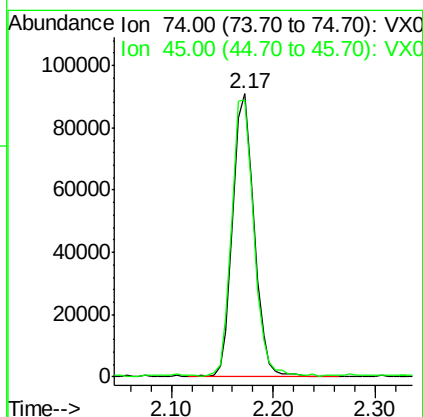
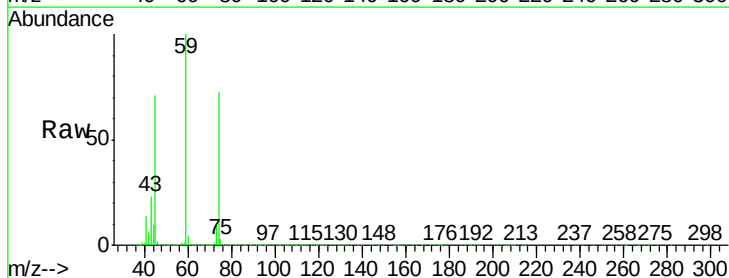
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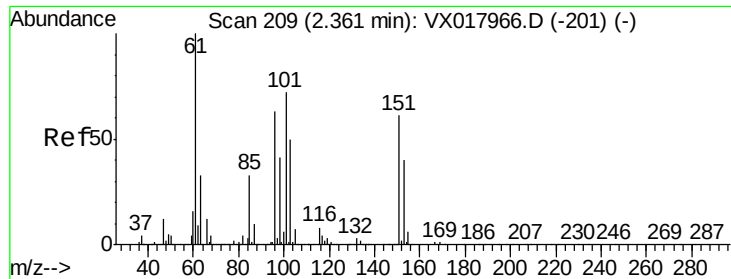


#8

Diethyl Ether
Concen: 42.986 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.00 min
Lab File: VX017966.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.074 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

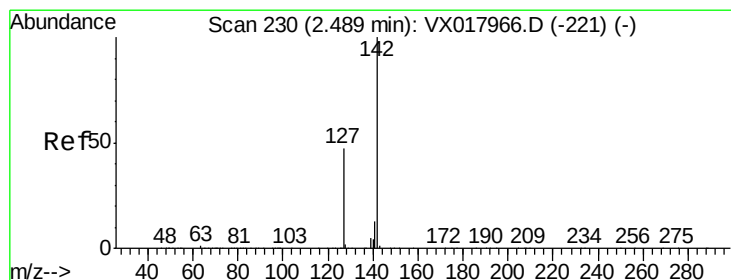
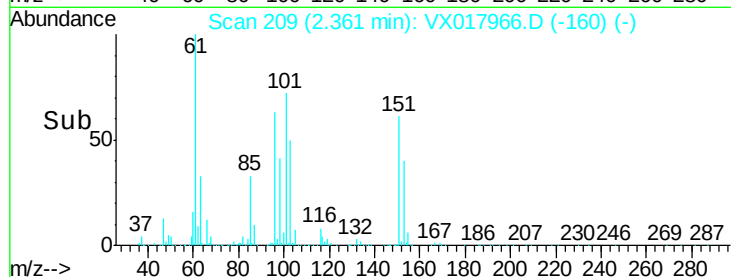
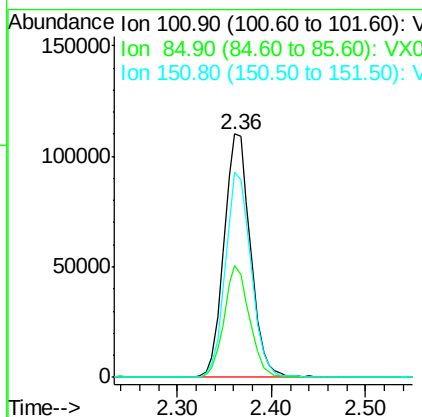
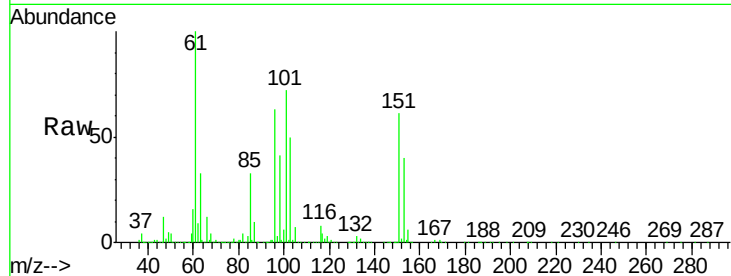
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	214508		
85	44.3	35.4	53.2	
151	81.7	65.4	98.0	

Manual Integrations
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MMDadoda
8/19/2020 8:53:44 AM



#10

Methyl Iodide

Concen: 50.303 ug/l

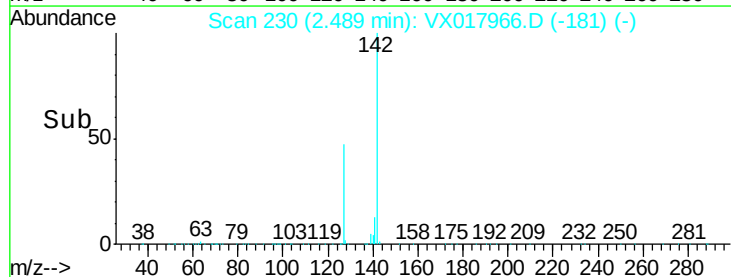
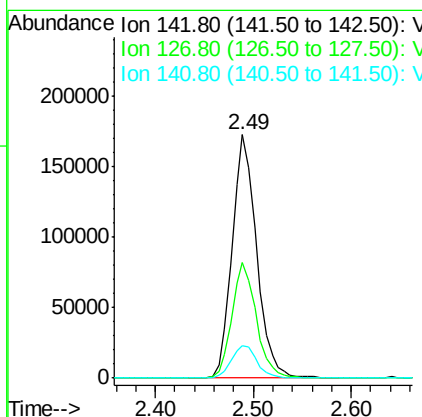
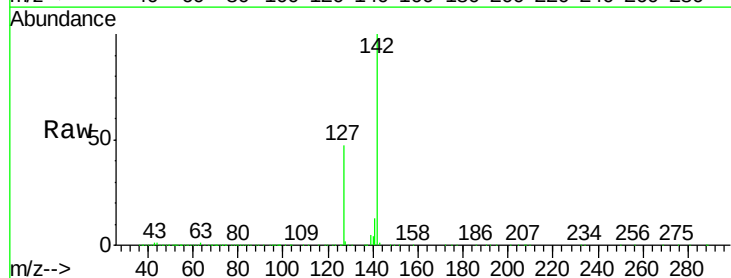
RT: 2.49 min Scan# 230

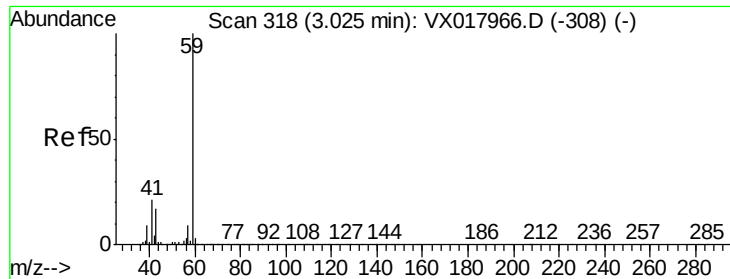
Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	299355		
127	47.5	38.0	57.0	
141	14.0	11.2	16.8	





#11

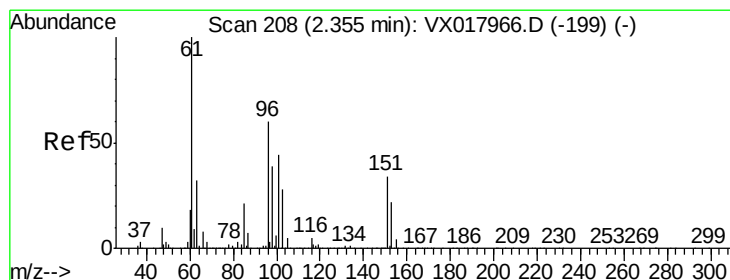
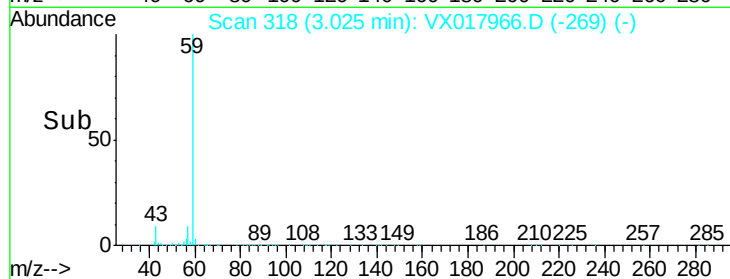
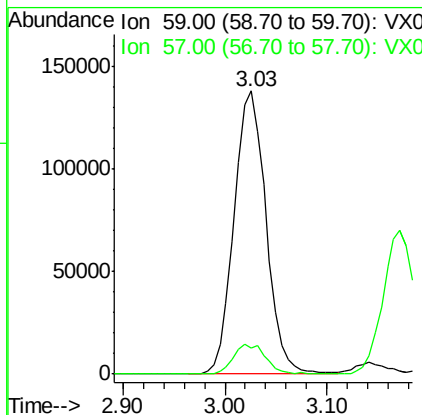
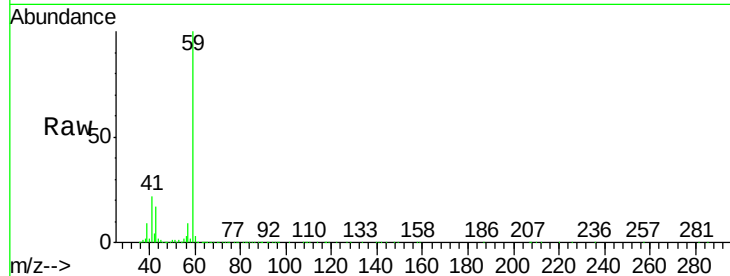
Tert butyl alcohol
Concen: 258.908 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	300255		
57	10.8		8.6	13.0

Manual Integrations
APPROVED

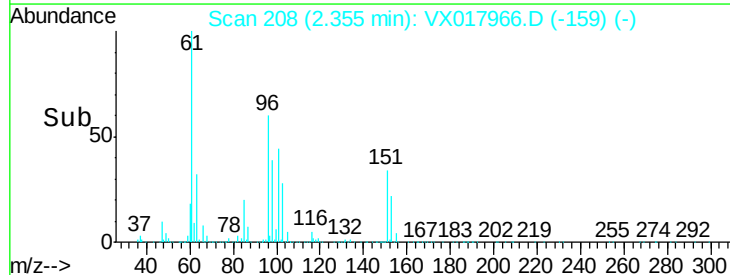
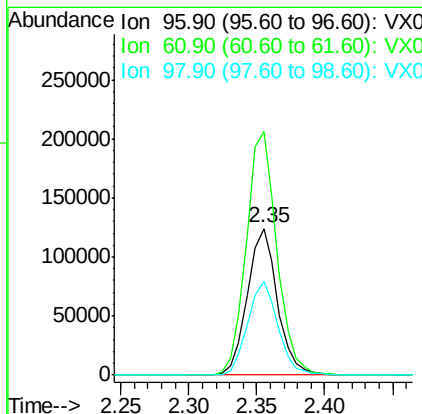
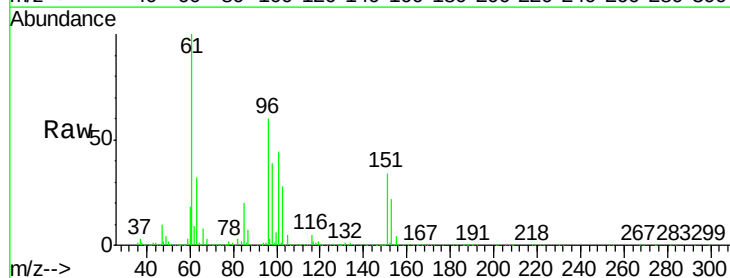
MMDadoda
8/19/2020 8:53:44 AM

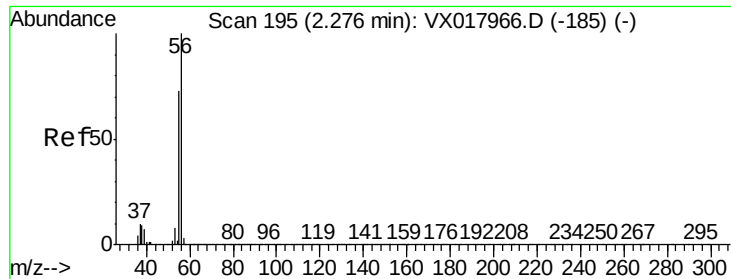


#12

1,1-Dichloroethene
Concen: 43.841 ug/l
RT: 2.35 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	192019		
61	166.1		132.9	199.3
98	64.5		51.6	77.4





#13

Acrolein

Concen: 216.197 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 164447

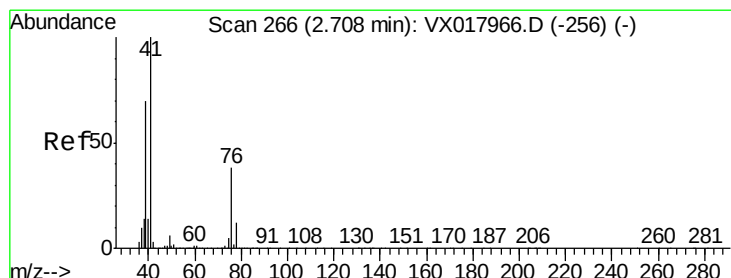
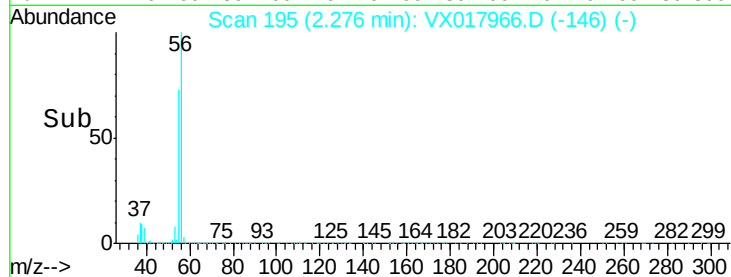
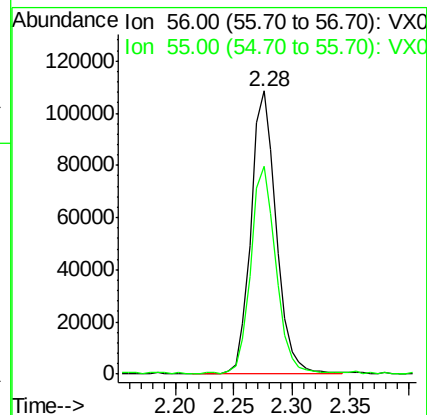
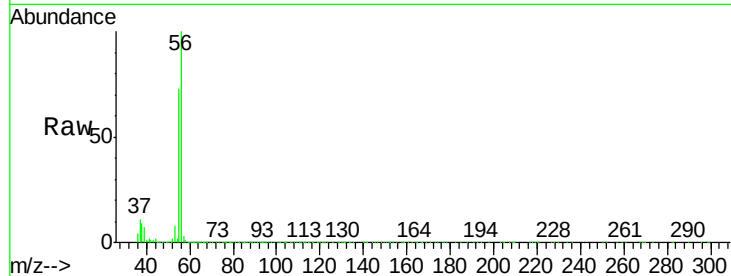
Ion Ratio Lower Upper

56 100

55 72.8 58.2 87.4

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:44 AM



#14

Allyl chloride

Concen: 42.373 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

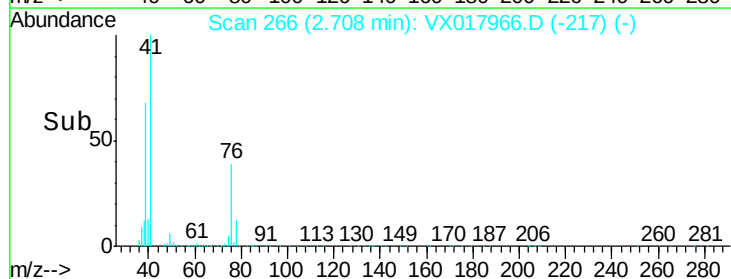
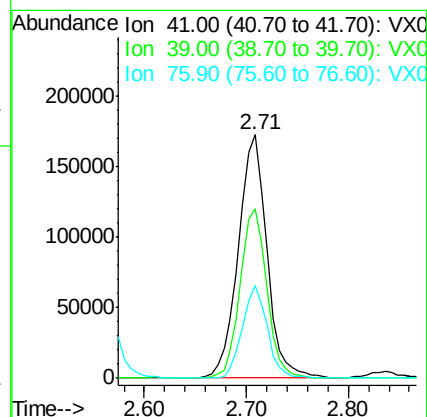
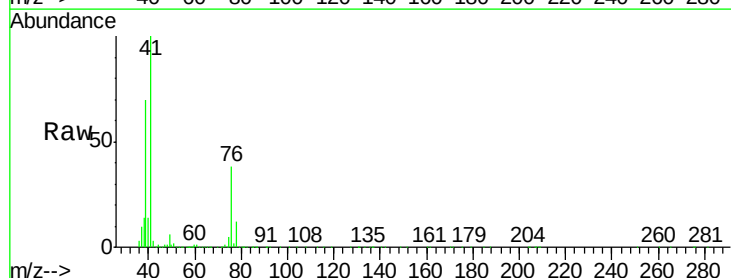
Tgt Ion: 41 Resp: 334284

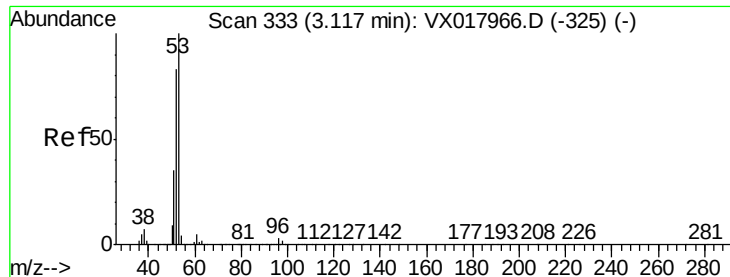
Ion Ratio Lower Upper

41 100

39 64.6 51.7 77.5

76 32.9 26.3 39.5





#15

Acrylonitrile

Concen: 264.295 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

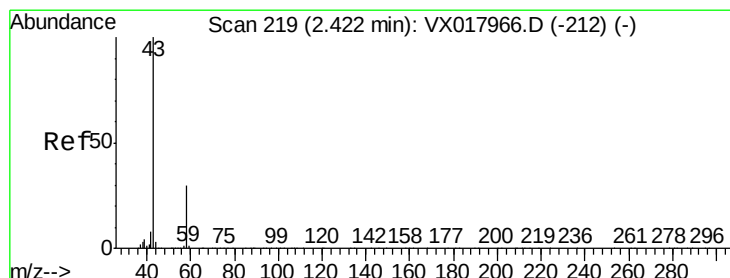
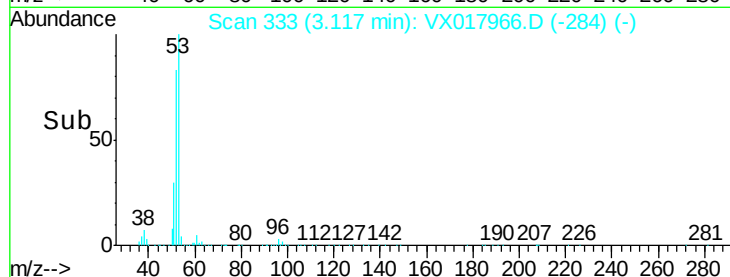
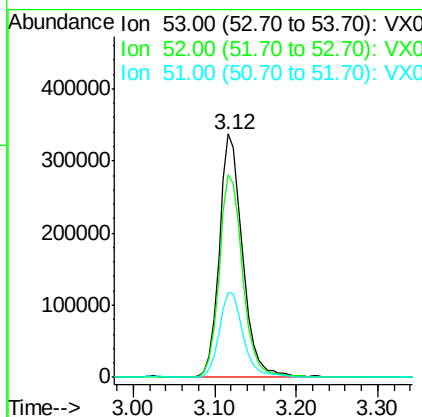
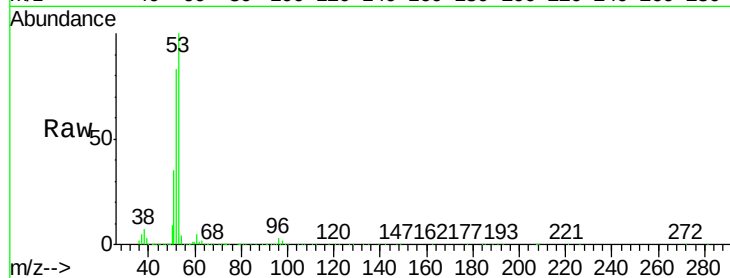
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	666455
Ion Ratio	Lower	Upper	
53	100		
52	83.9	67.1	100.7
51	36.5	29.2	43.8

Manual Integrations
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MMDadoda
8/19/2020 8:53:44 AM



#16

Acetone

Concen: 258.958 ug/l

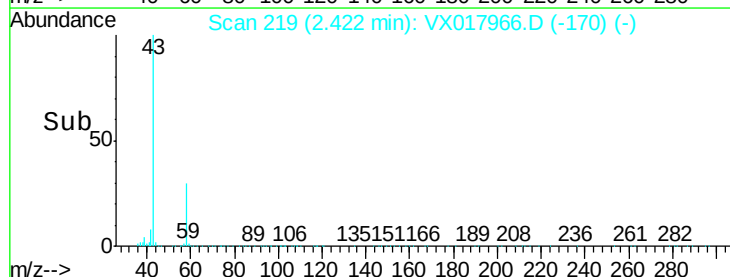
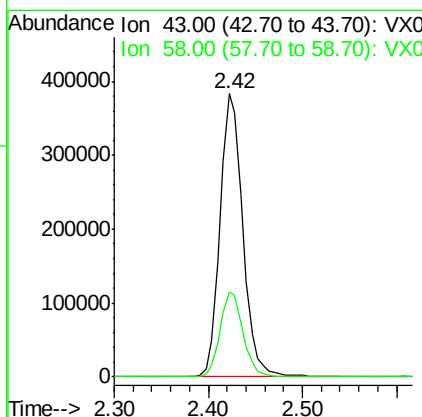
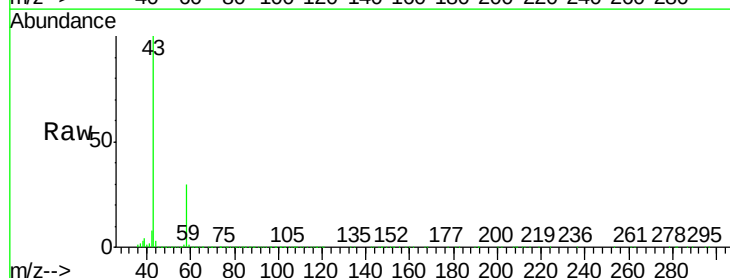
RT: 2.42 min Scan# 219

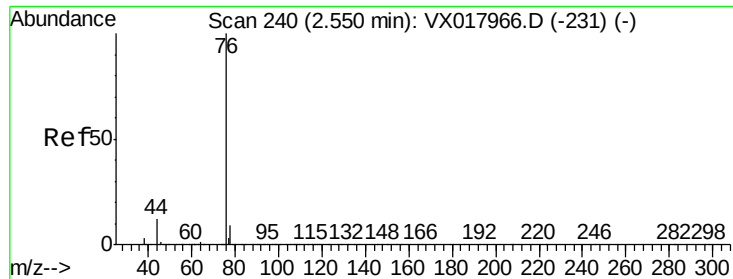
Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Tgt Ion:	43	Resp:	636975
Ion Ratio	Lower	Upper	
43	100		
58	29.8	23.8	35.8





#17

Carbon Disulfide

Concen: 38.198 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 499444

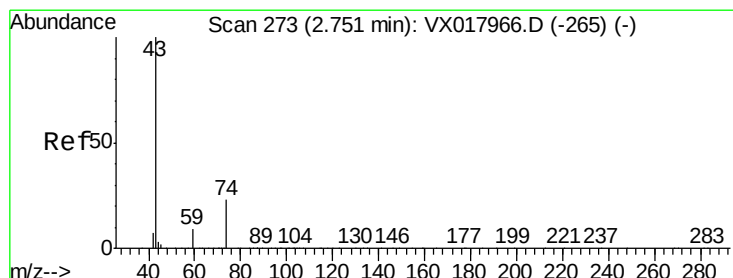
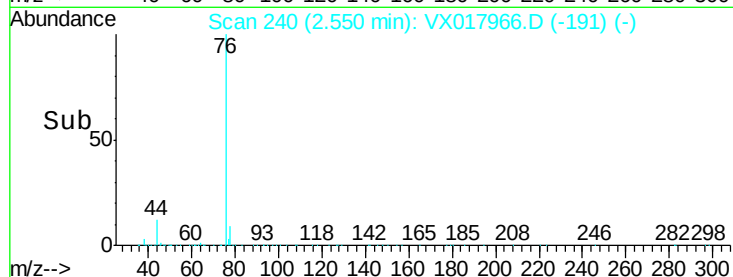
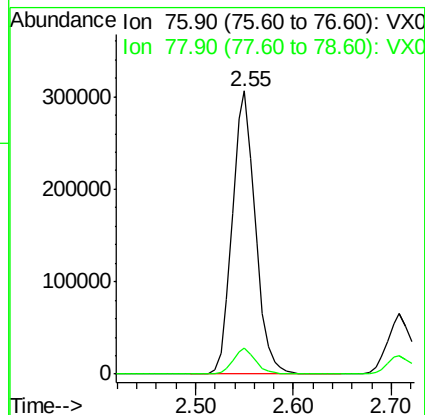
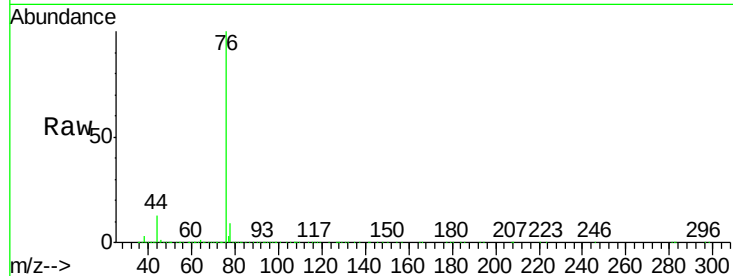
Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:44 AM



#18

Methyl Acetate

Concen: 53.637 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017966.D

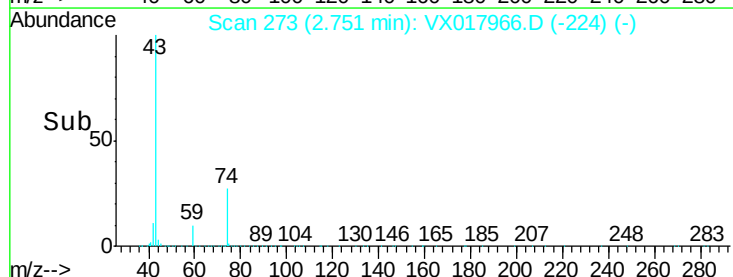
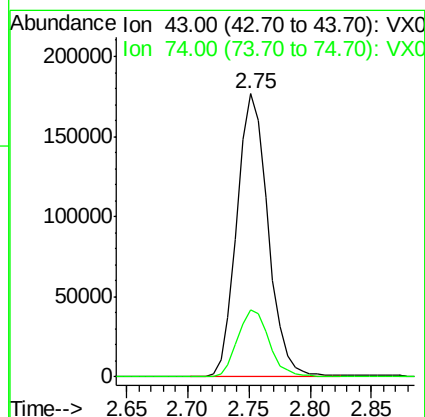
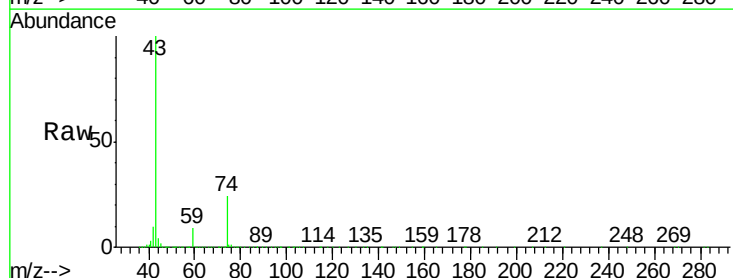
Acq: 18 Aug 2020 18:58

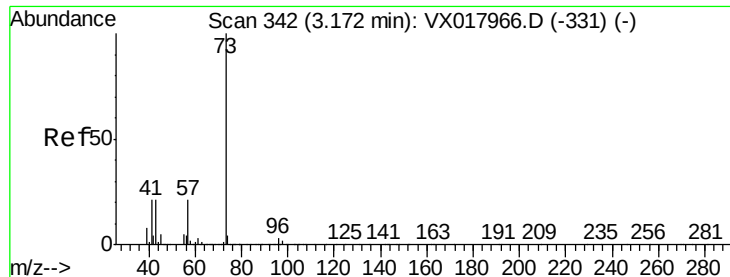
Tgt Ion: 43 Resp: 309889

Ion Ratio Lower Upper

43 100

74 24.6 19.7 29.5





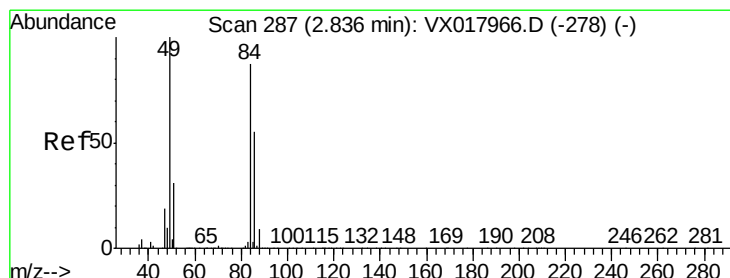
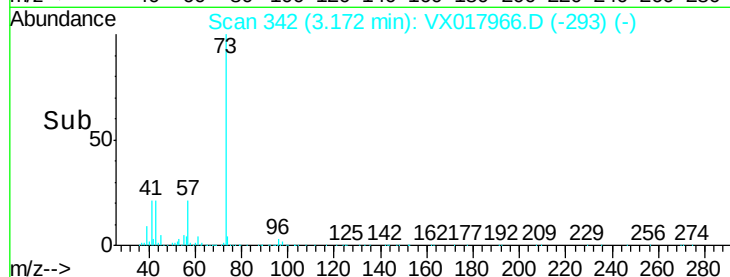
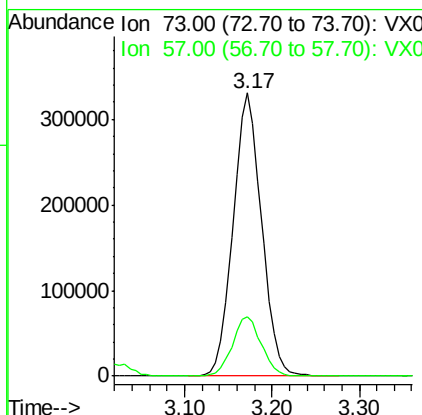
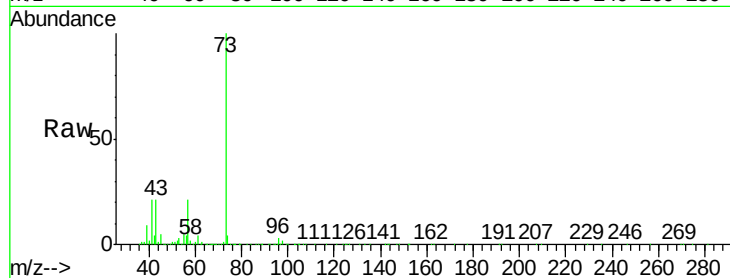
#19
Methyl tert-butyl Ether
Concen: 48.754 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	16.9	25.3

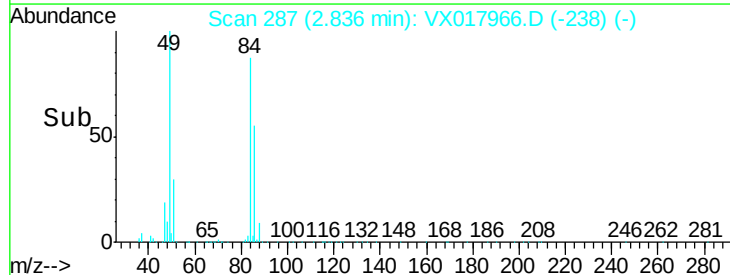
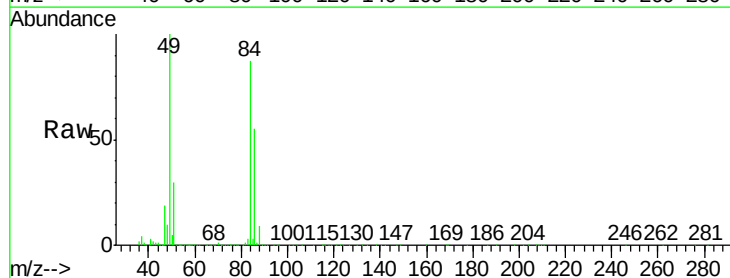
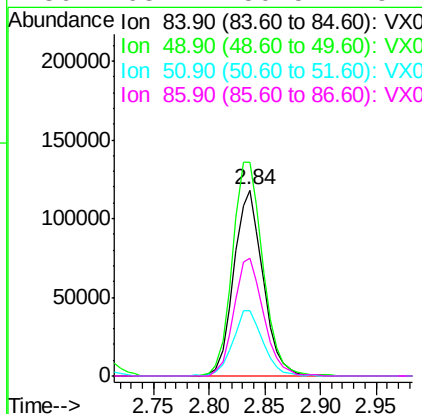
Manual Integrations
APPROVED

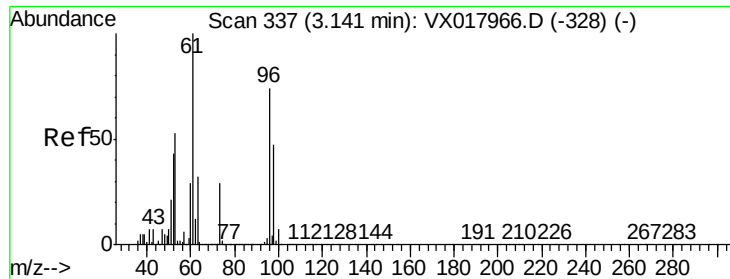
MMDadoda
8/19/2020 8:53:44 AM



#20
Methylene Chloride
Concen: 40.705 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.7	91.8	137.6
51	34.8	27.8	41.8
86	63.1	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 42.296 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 197118

Ion Ratio Lower Upper

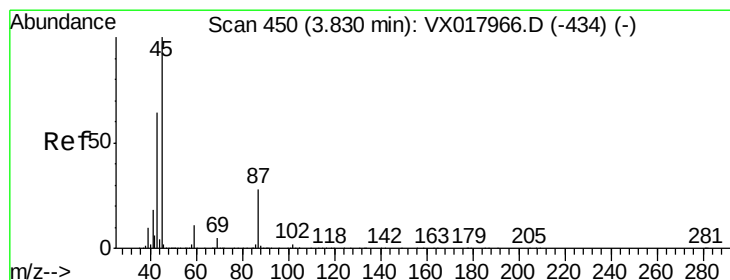
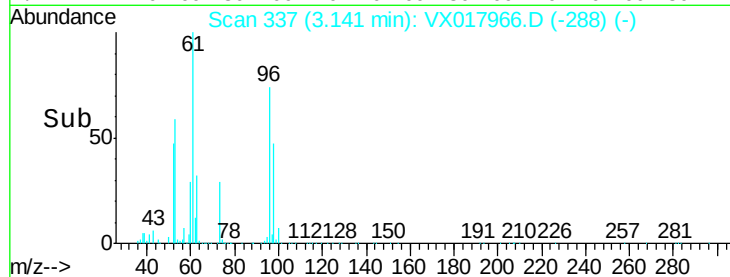
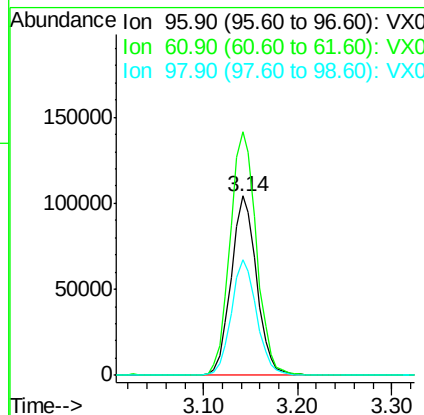
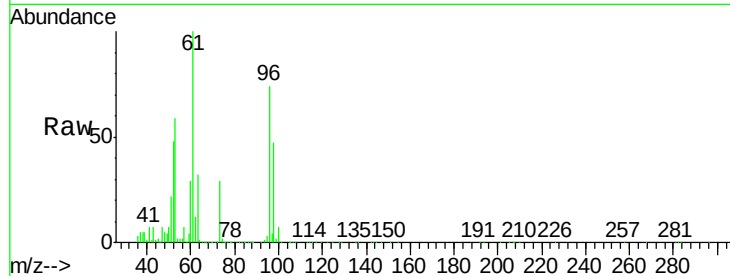
96 100

61 135.8 108.6 163.0

98 64.2 51.4 77.0

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:44 AM



#22

Diisopropyl ether

Concen: 48.913 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Tgt Ion: 45 Resp: 733043

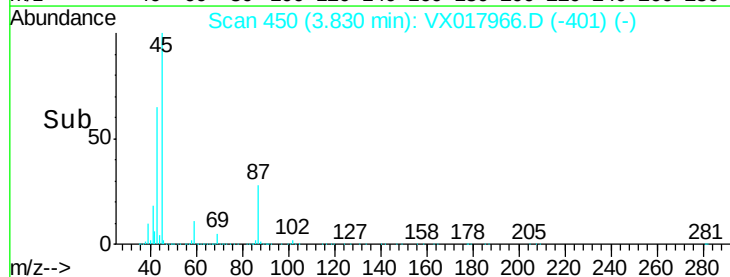
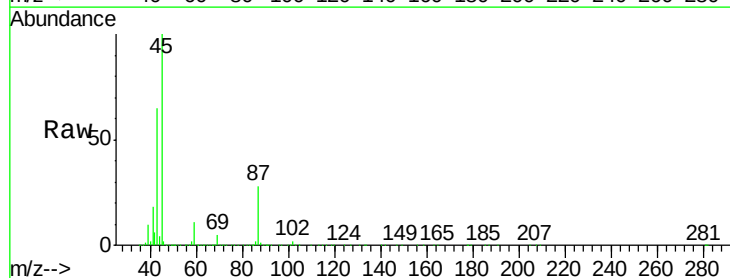
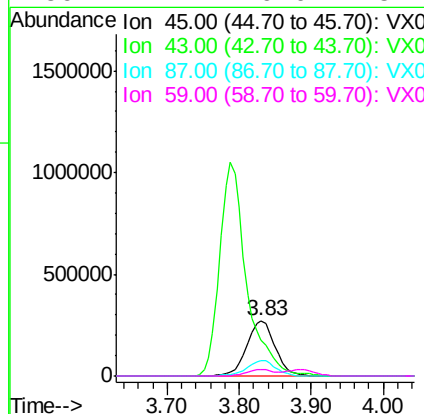
Ion Ratio Lower Upper

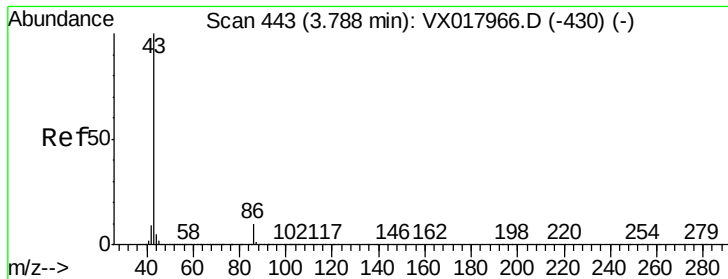
45 100

43 64.4 51.5 77.3

87 28.2 22.6 33.8

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 212.232 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2737982

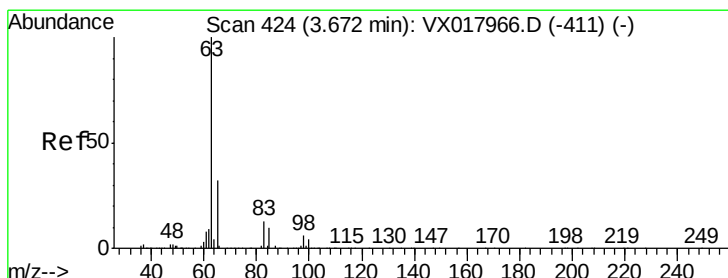
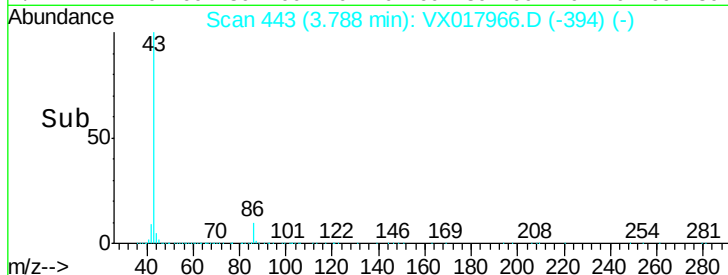
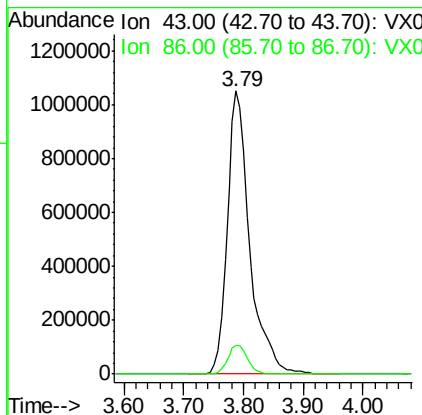
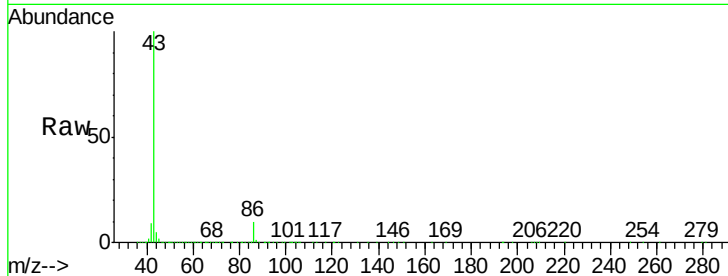
Ion Ratio Lower Upper

43 100

86 10.1 8.1 12.1

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:44 AM



#24

1,1-Dichloroethane

Concen: 46.075 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

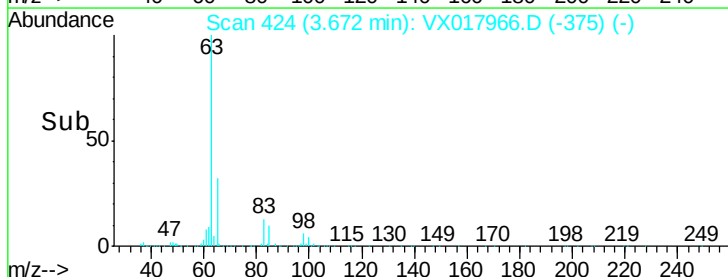
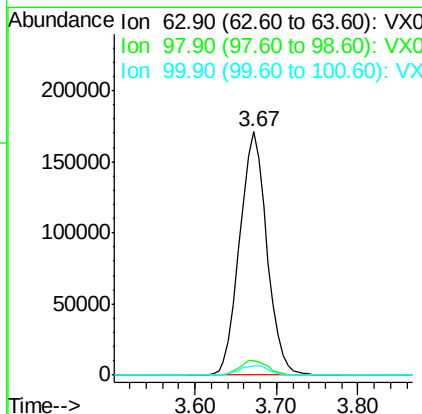
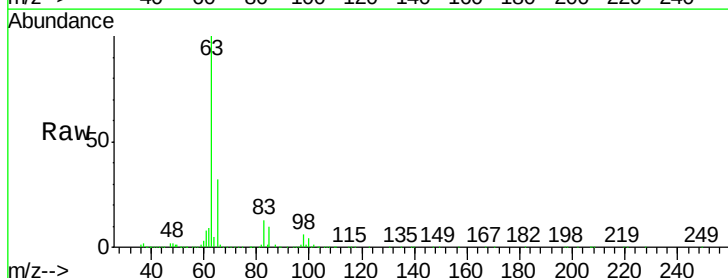
Tgt Ion: 63 Resp: 395334

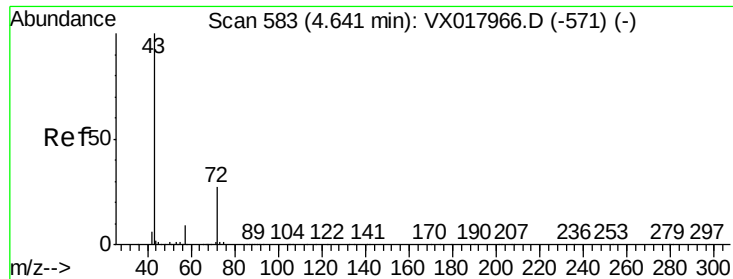
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

100 3.9 2.0 5.8





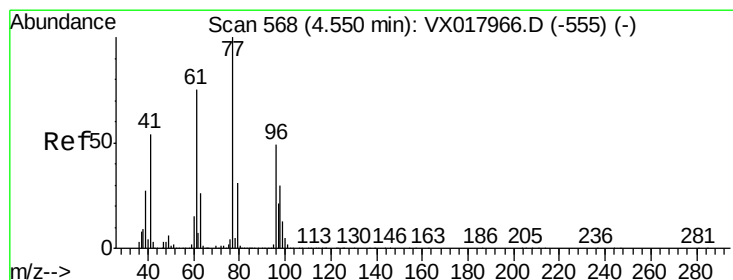
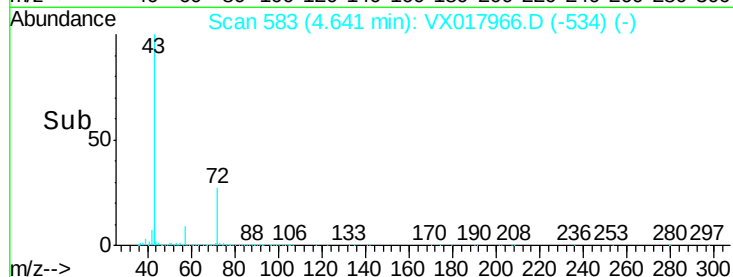
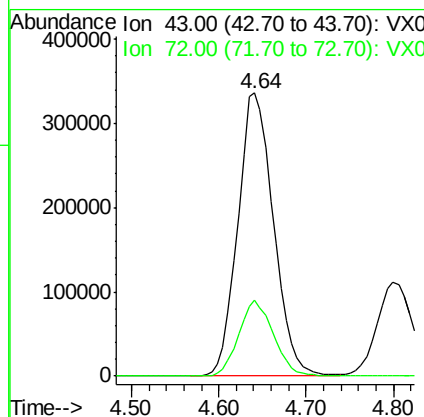
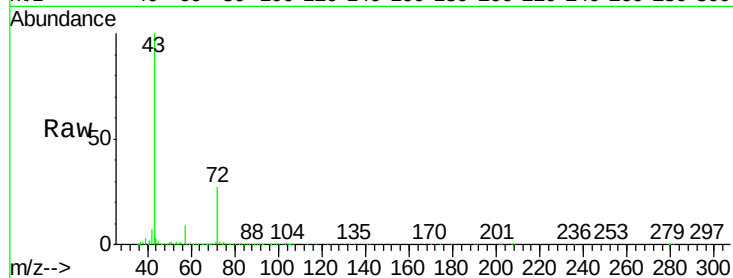
#25
2-Butanone
Concen: 271.489 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.8	21.4	32.2

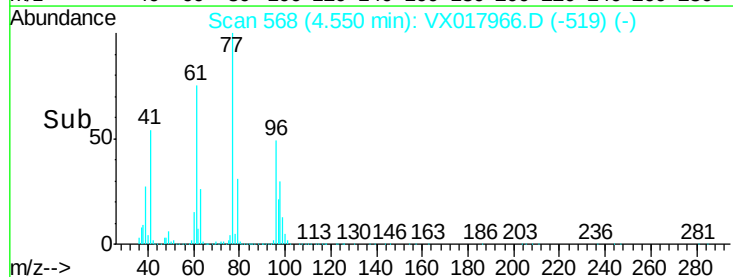
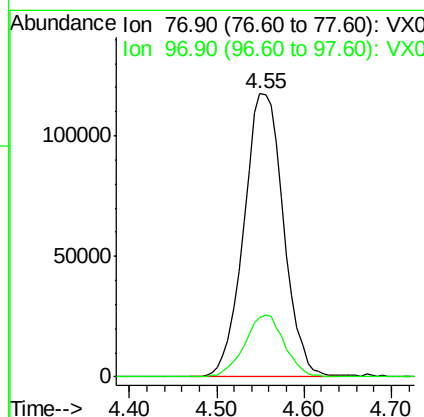
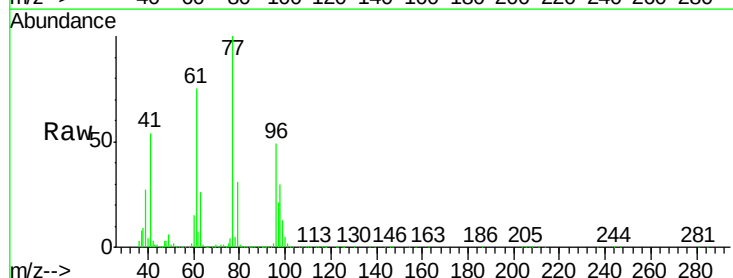
Manual Integrations
APPROVED

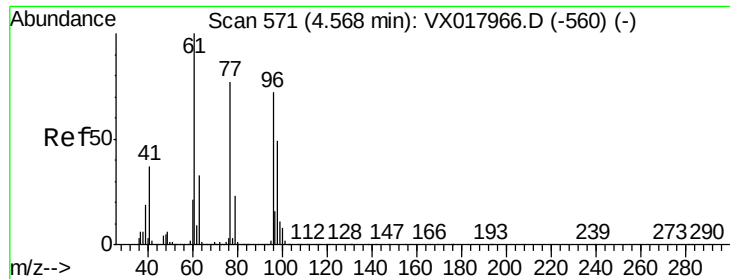
MMDadoda
8/19/2020 8:53:44 AM



#26
2,2-Dichloropropane
Concen: 48.069 ug/l
RT: 4.55 min Scan# 568
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.9	32.9





#27

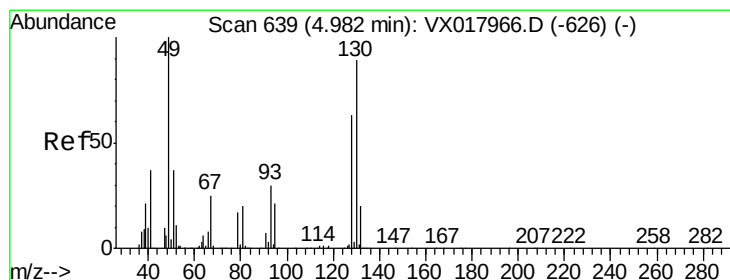
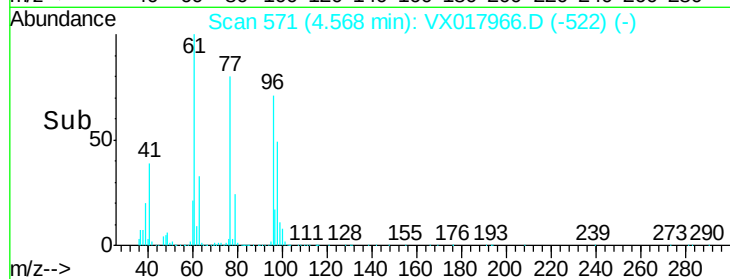
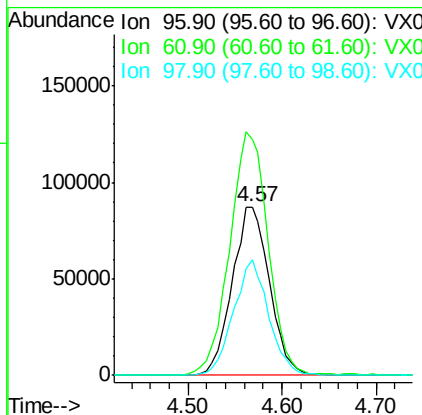
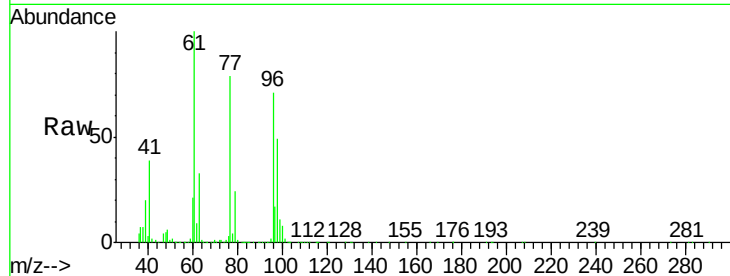
cis-1,2-Dichloroethene
Concen: 46.058 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	238265		
61	149.4	0.0	298.8	
98	65.1	0.0	130.2	

Manual Integrations
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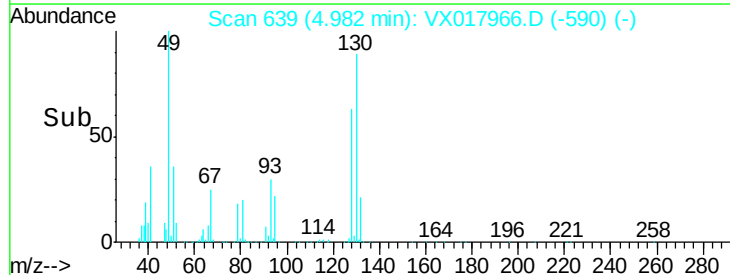
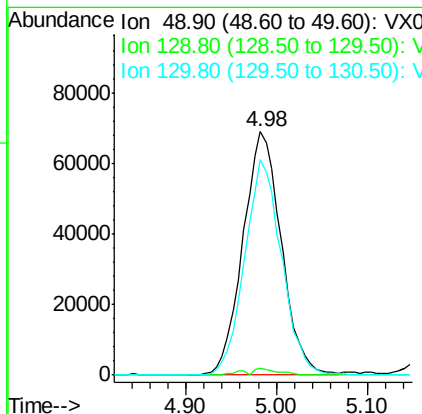
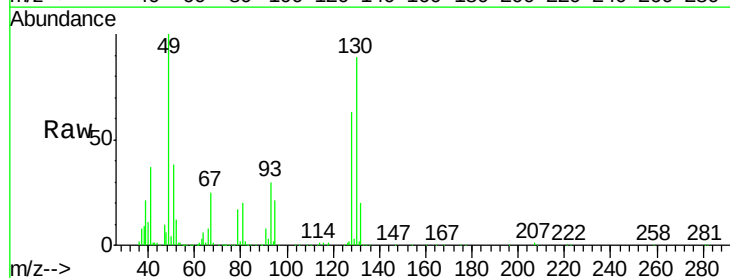
MMDadoda
8/19/2020 8:53:44 AM

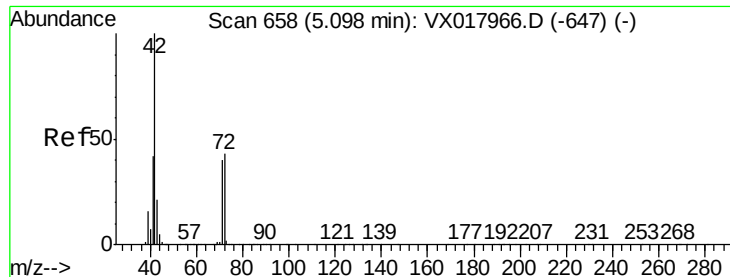


#28

Bromochloromethane
Concen: 50.904 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	201039		
129	1.8	0.0	3.6	
130	85.6	68.5	102.7	





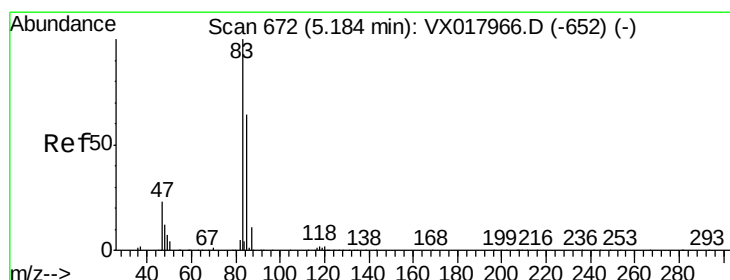
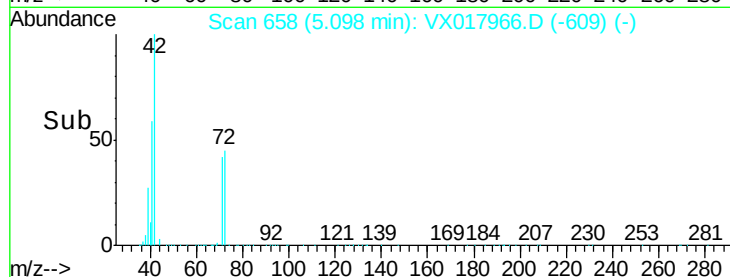
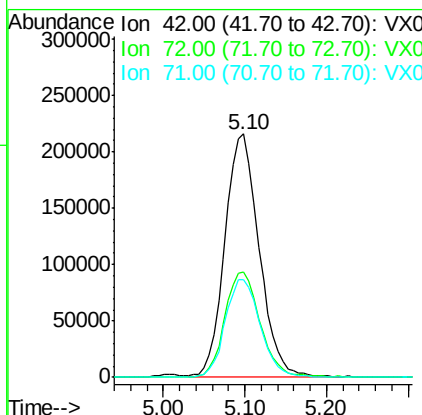
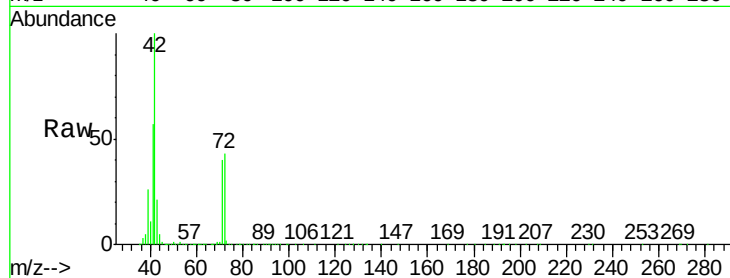
#29
Tetrahydrofuran
Concen: 285.620 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.9	53.9
71	41.2	33.0	49.4

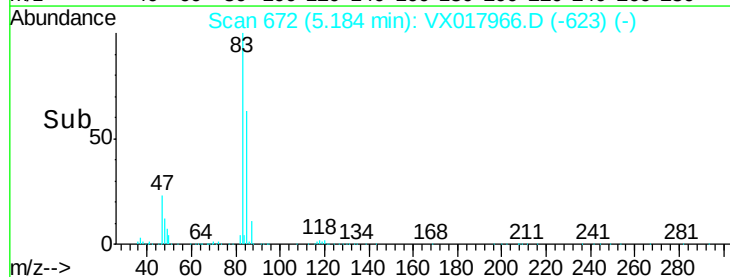
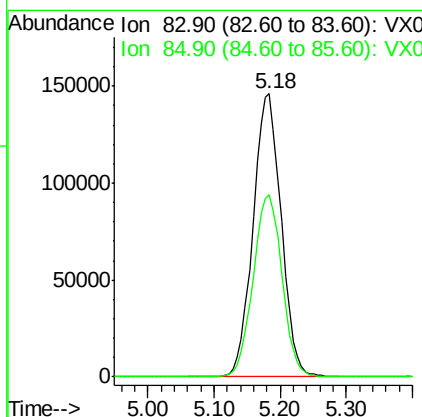
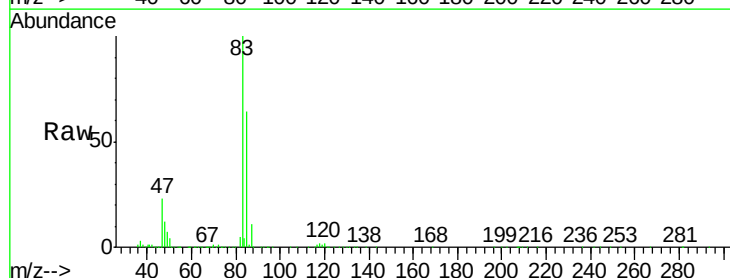
Manual Integrations
APPROVED

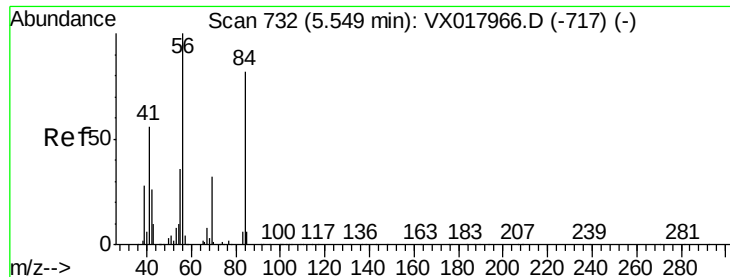
MMDadoda
8/19/2020 8:53:44 AM



#30
Chloroform
Concen: 48.905 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.3	76.9





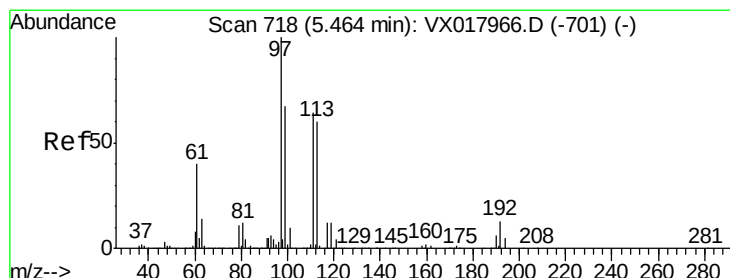
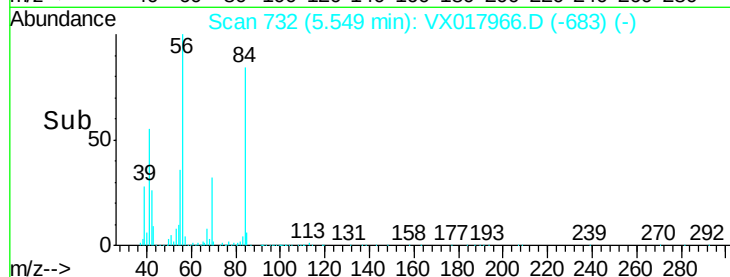
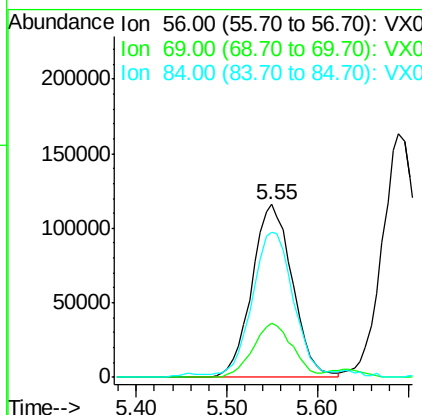
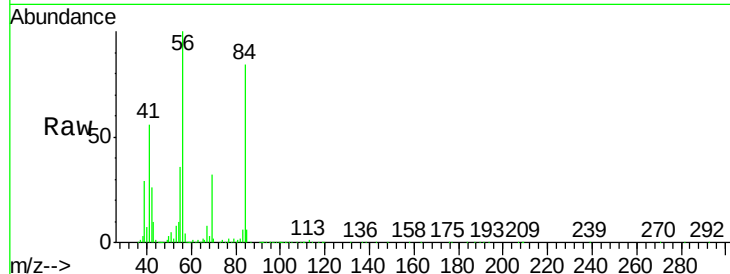
#31
Cyclohexane
Concen: 51.337 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		358335		
69	31.6	25.3	37.9		
84	81.6	65.3	97.9		

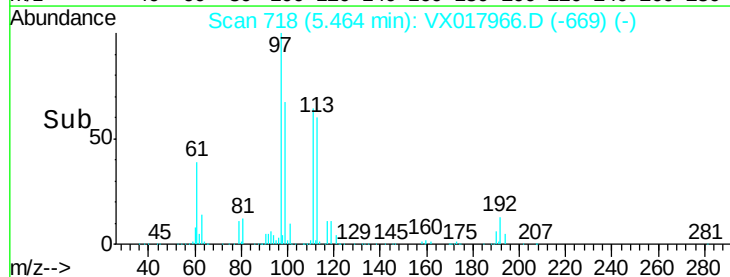
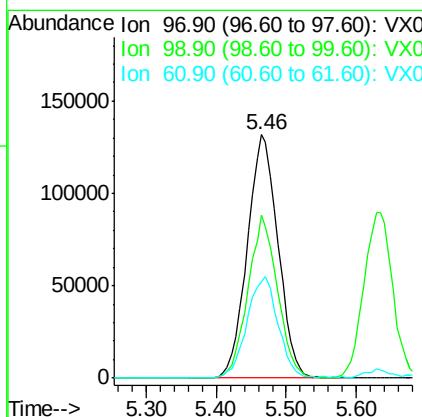
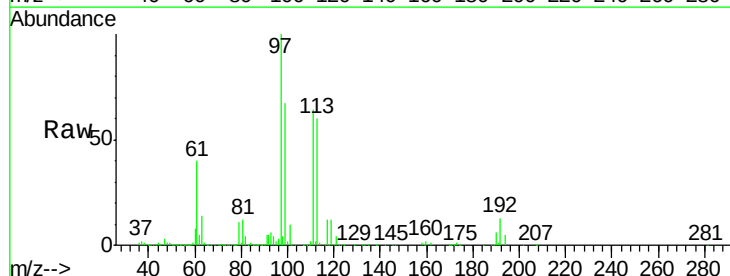
Manual Integrations
APPROVED

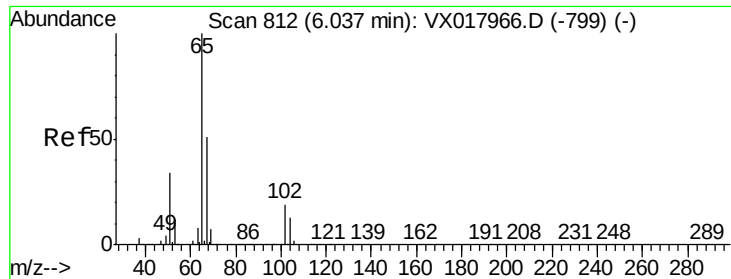
MMDadoda
8/19/2020 8:53:44 AM



#32
1,1,1-Trichloroethane
Concen: 48.260 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		401091		
99	64.2	51.4	77.0		
61	42.1	33.7	50.5		





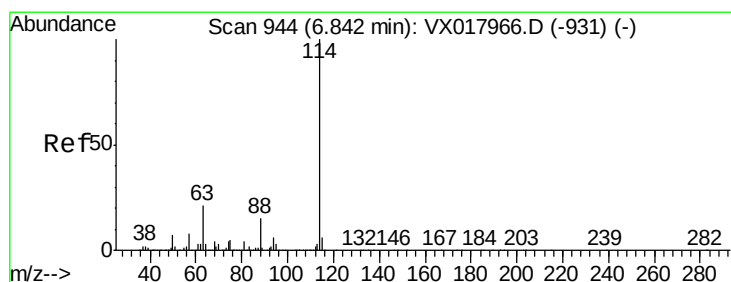
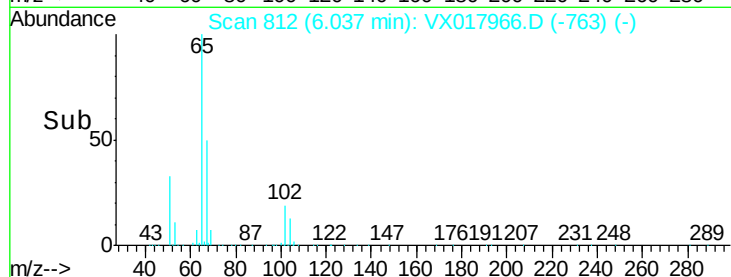
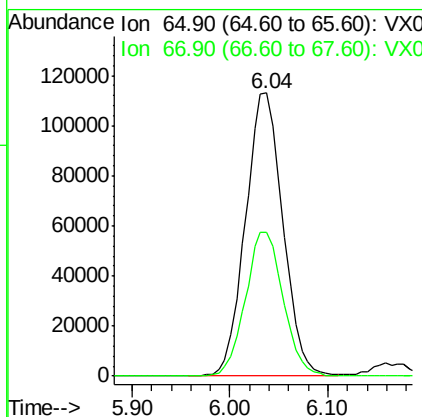
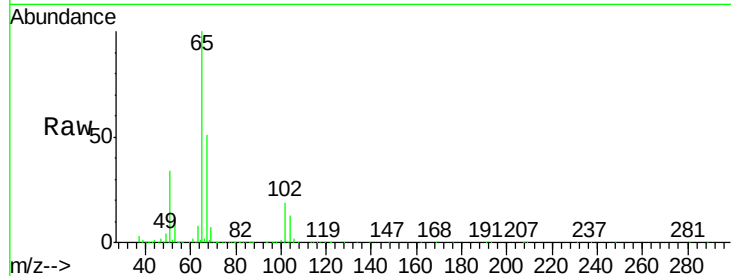
#33
 1,2-Dichloroethane-d4
 Concen: 53.444 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: VX017966.D
 Acq: 18 Aug 2020 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0

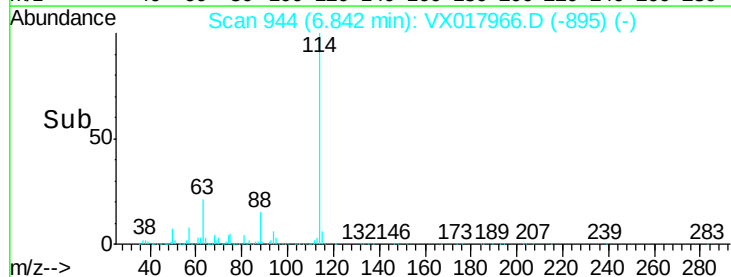
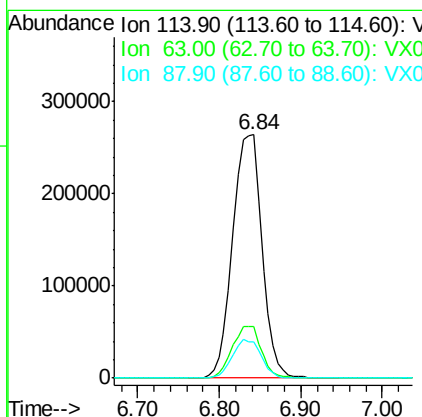
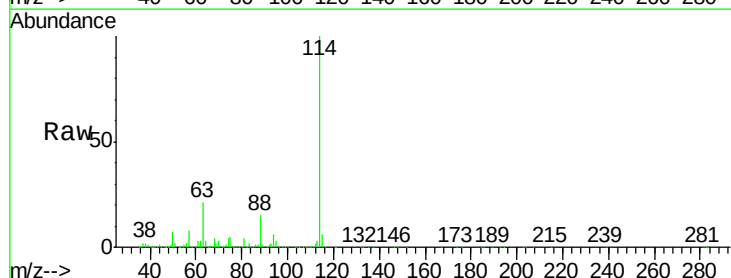
Manual Integrations
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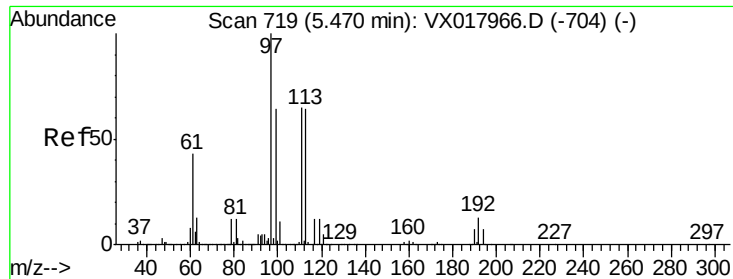
MMDadoda
 8/19/2020 8:53:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: VX017966.D
 Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.6
88	15.1	0.0	30.2





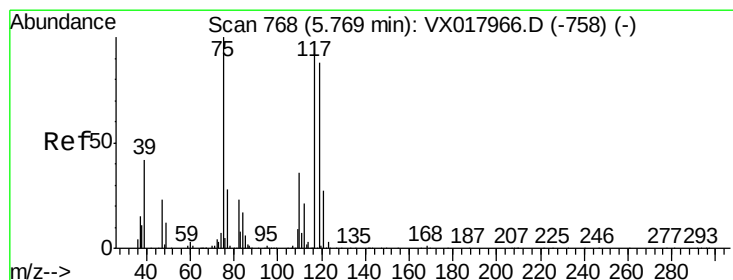
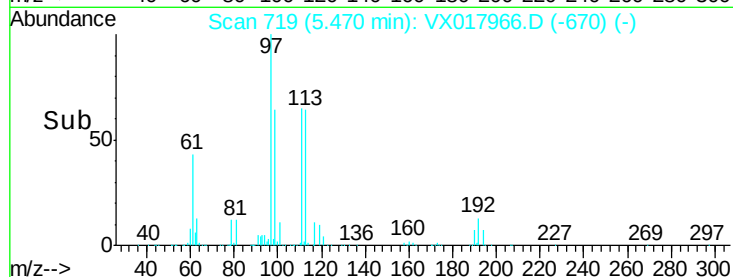
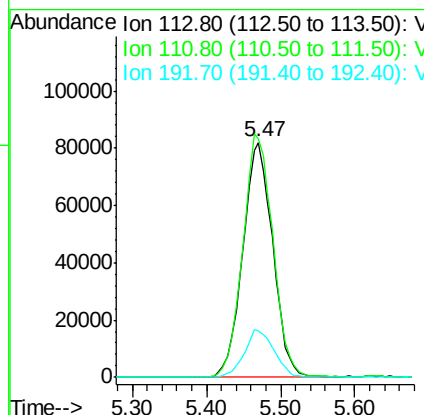
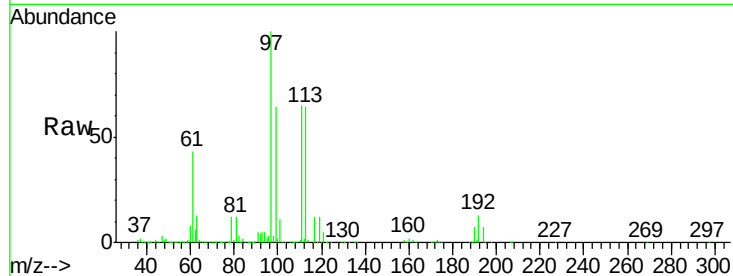
#35
Dibromofluoromethane
Concen: 52.249 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	20.3	16.2	24.4

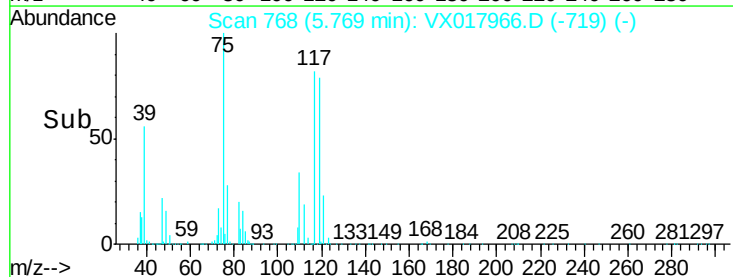
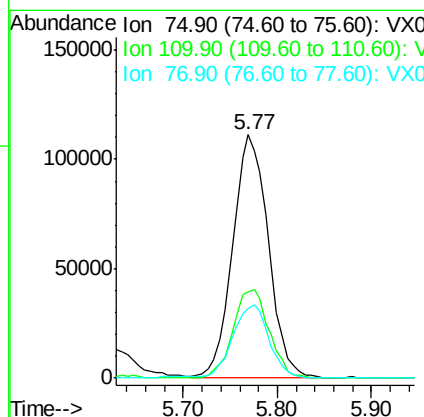
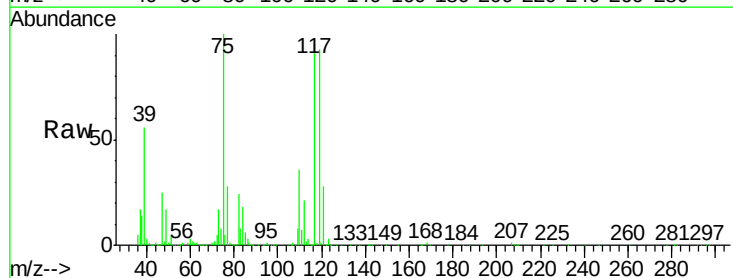
Manual Integrations
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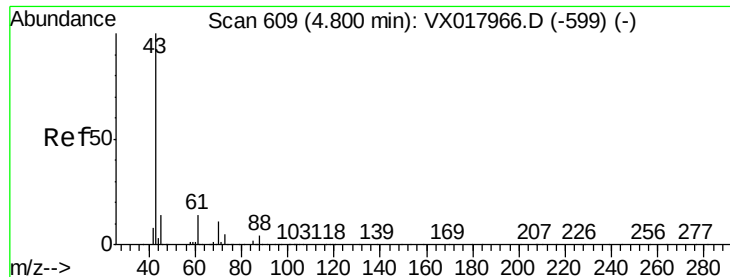
MMDadoda
8/19/2020 8:53:44 AM



#36
1,1-Dichloropropene
Concen: 46.446 ug/l
RT: 5.77 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.7	56.1
77	30.5	24.4	36.6





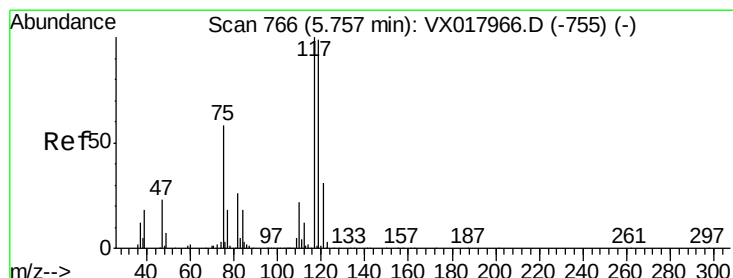
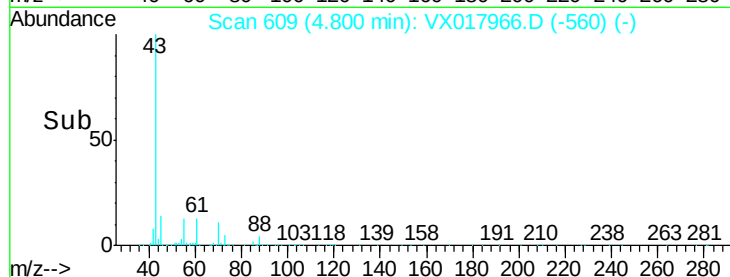
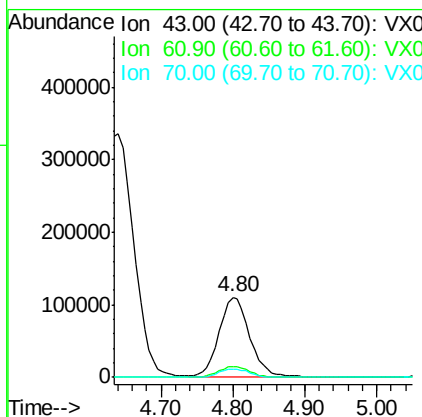
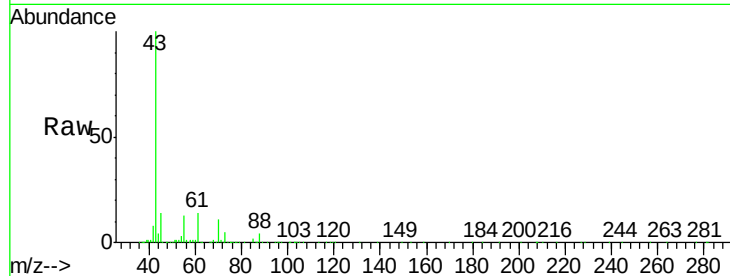
#37
Ethyl Acetate
Concen: 48.315 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	326088
Ion Ratio	Lower	Upper	
43	100		
61	14.1	11.3	16.9
70	10.6	8.5	12.7

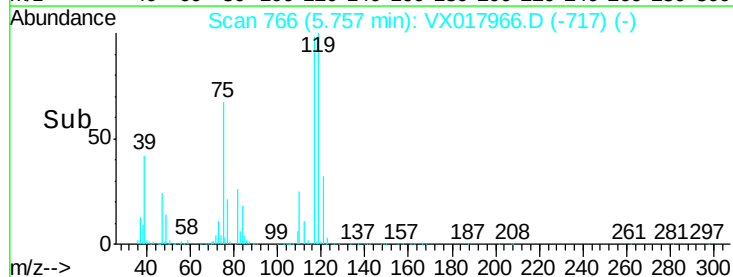
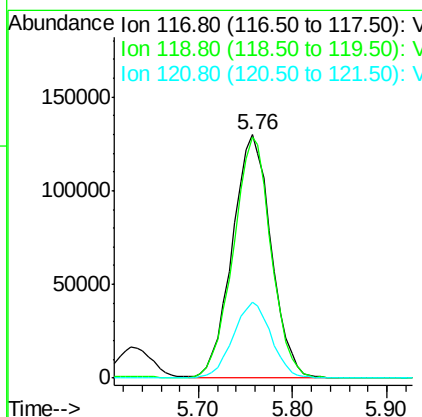
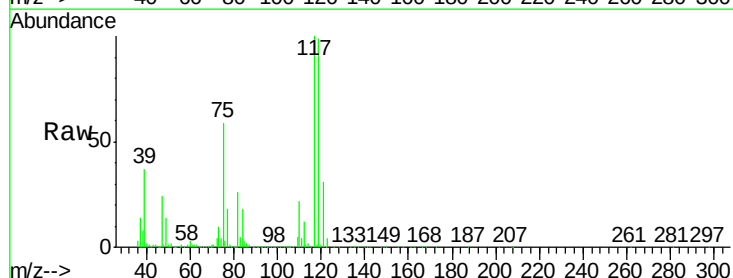
Manual Integrations
APPROVED

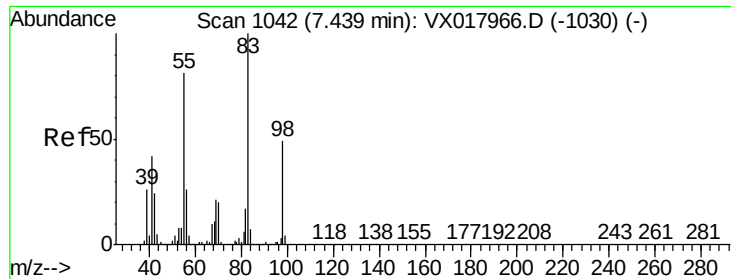
MMDadoda
8/19/2020 8:53:44 AM



#38
Carbon Tetrachloride
Concen: 48.502 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	117	Resp	373289
Ion Ratio	Lower	Upper	
117	100		
119	98.8	79.0	118.6
121	30.9	24.7	37.1





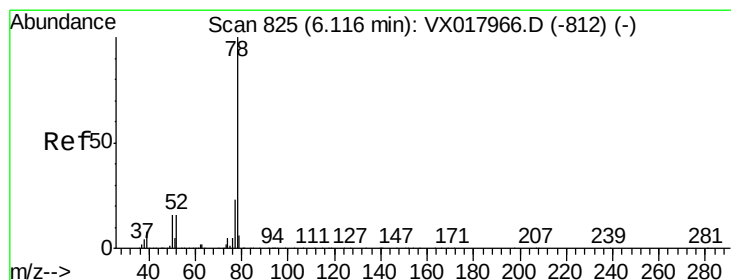
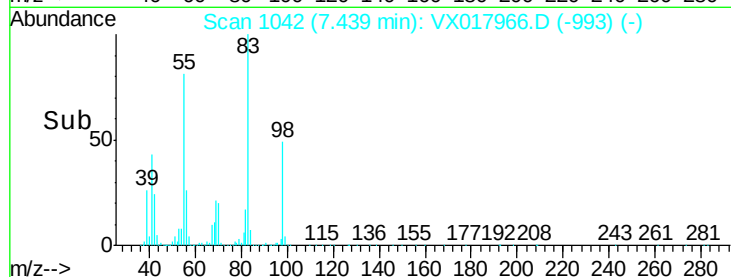
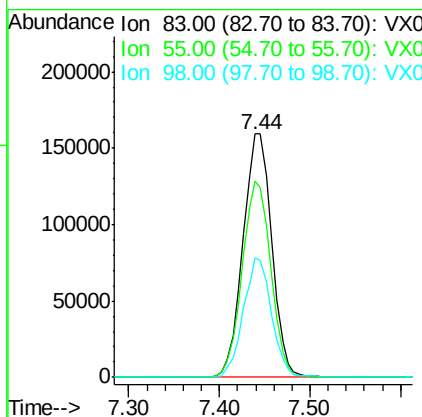
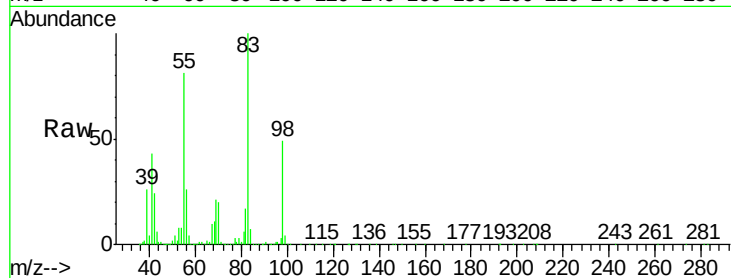
#39
Methylvlcyclohexane
Concen: 47.519 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	64.5	96.7
98	48.8	39.0	58.6

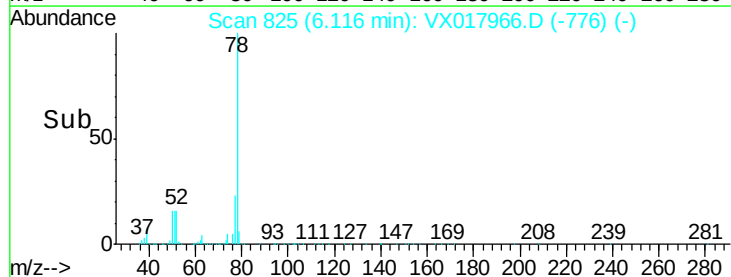
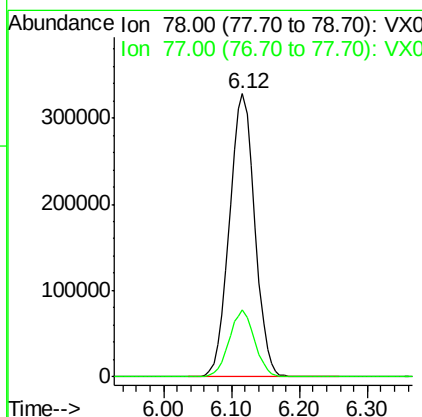
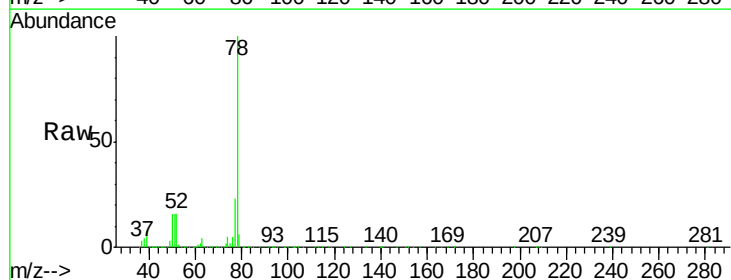
Manual Integrations
APPROVED

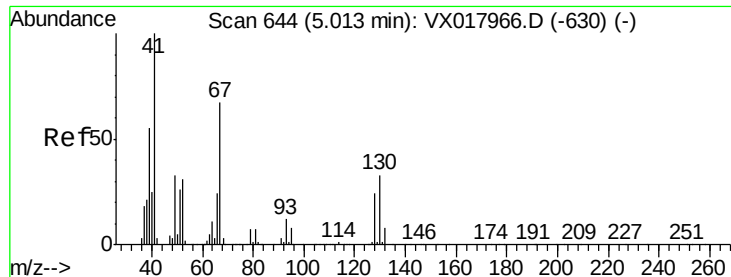
MMDadoda
8/19/2020 8:53:44 AM



#40
Benzene
Concen: 47.208 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





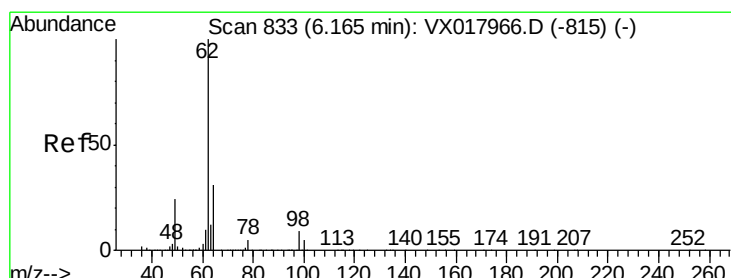
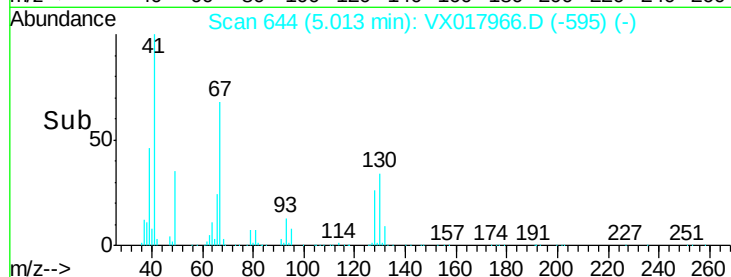
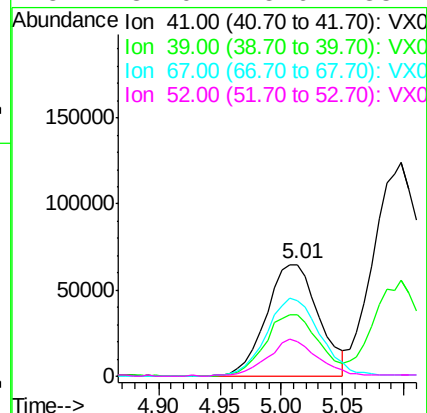
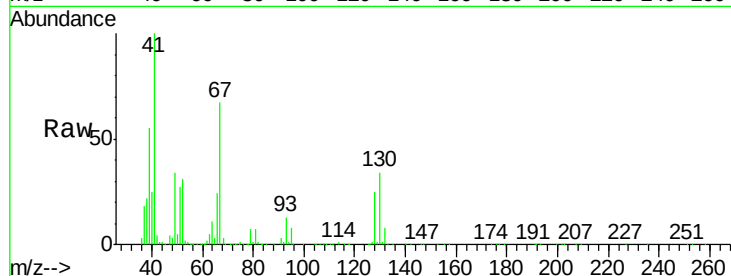
#41
Methacrylonitrile
Concen: 48.901 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	44.8	67.2	
67	71.9	57.5	86.3	
52	32.0	25.6	38.4	

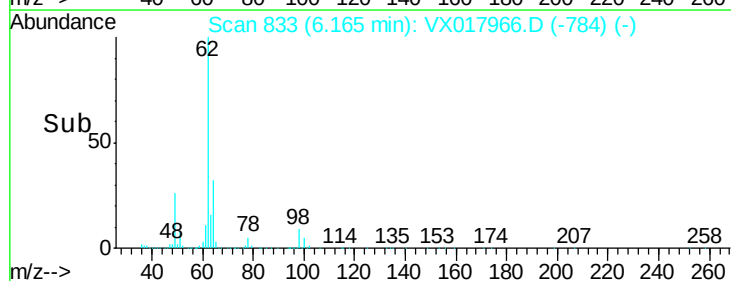
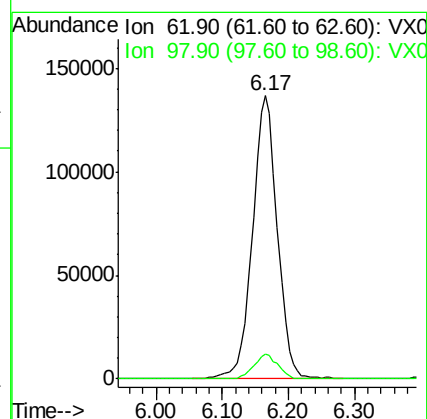
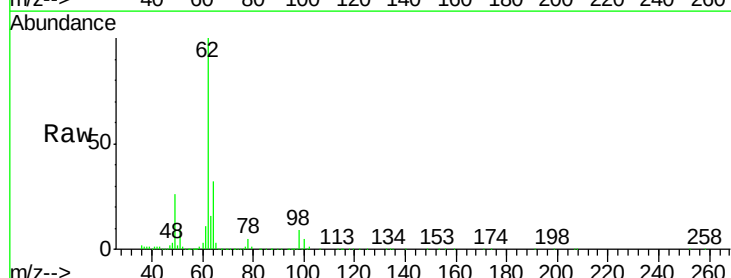
Manual Integrations
APPROVED

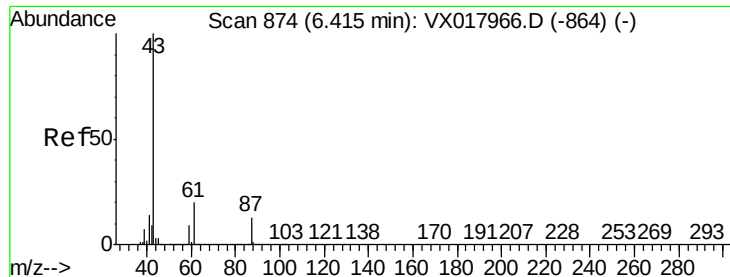
MMDadoda
8/19/2020 8:53:44 AM



#42
1,2-Dichloroethane
Concen: 48.166 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.2	





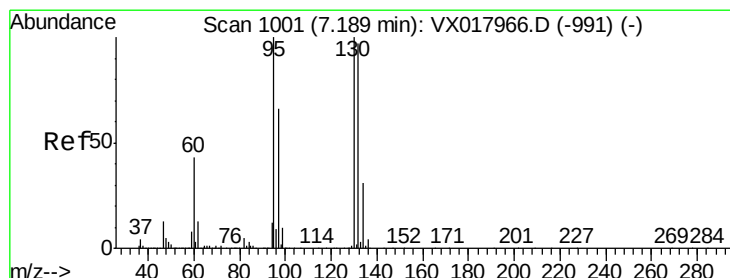
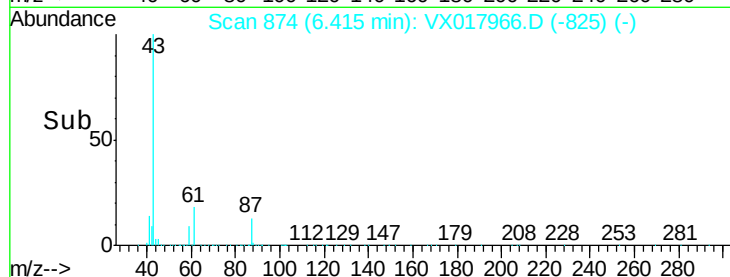
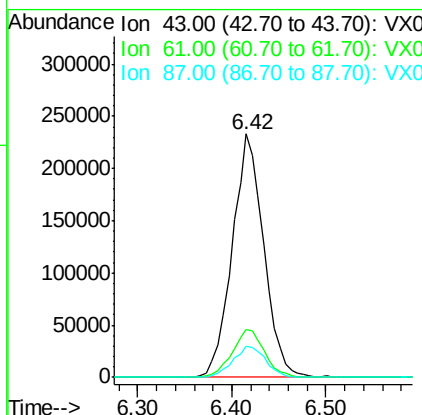
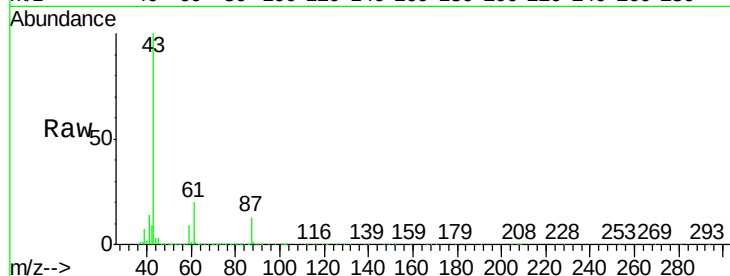
#43
Isopropyl Acetate
Concen: 48.724 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.2	24.4
87	13.5	10.8	16.2

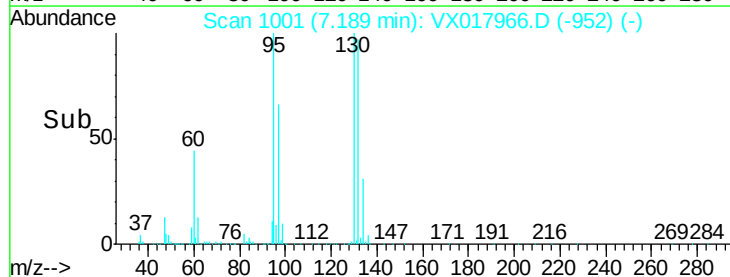
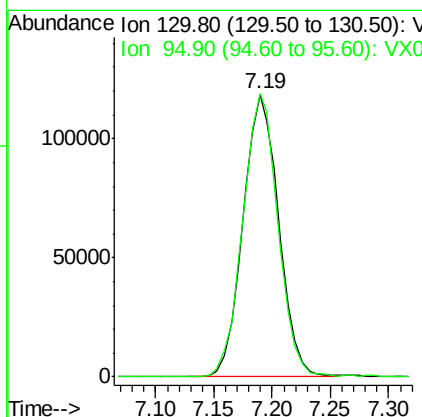
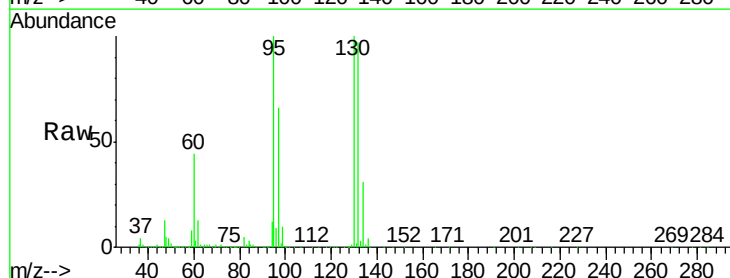
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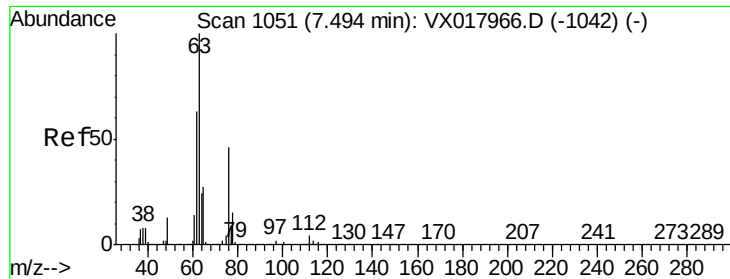
MMDadoda
8/19/2020 8:53:44 AM



#44
Trichloroethene
Concen: 47.929 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	200.6





#45

1,2-Dichloropropane

Concen: 46.689 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 235354

Ion Ratio Lower Upper

63 100

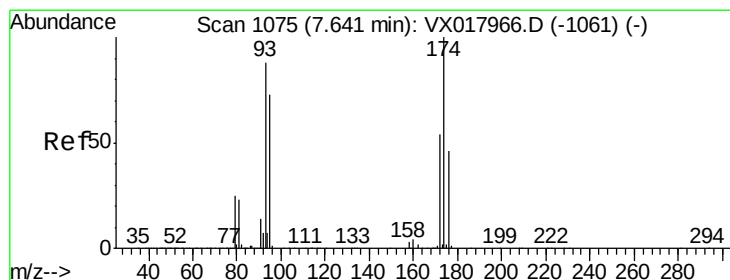
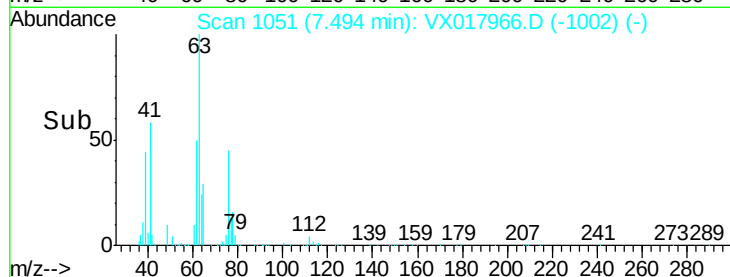
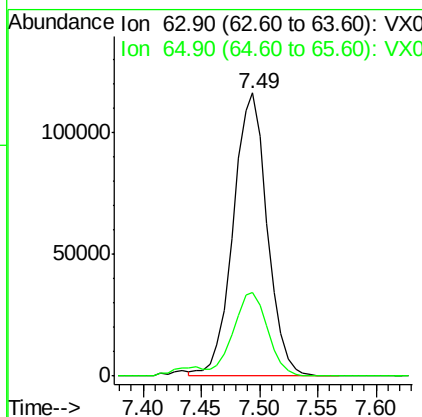
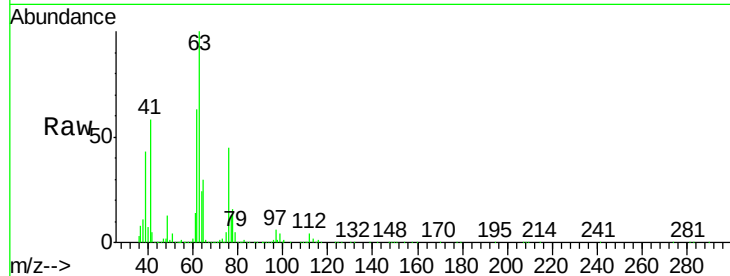
65 29.8 23.8 35.8

Manual Integrations

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MMDadoda

8/19/2020 8:53:44 AM



#46

Dibromomethane

Concen: 46.368 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

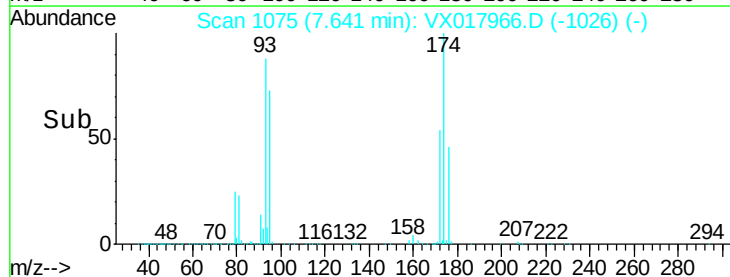
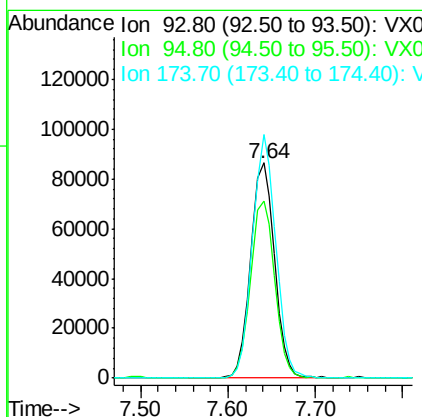
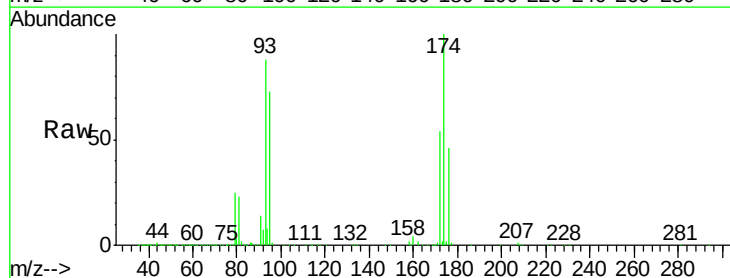
Tgt Ion: 93 Resp: 164834

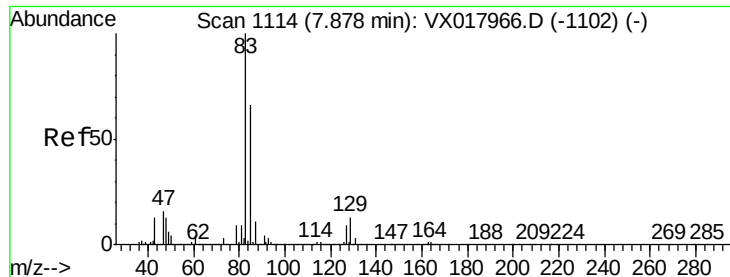
Ion Ratio Lower Upper

93 100

95 83.5 66.8 100.2

174 110.4 88.3 132.5





#47

Bromodichloromethane

Concen: 53.456 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

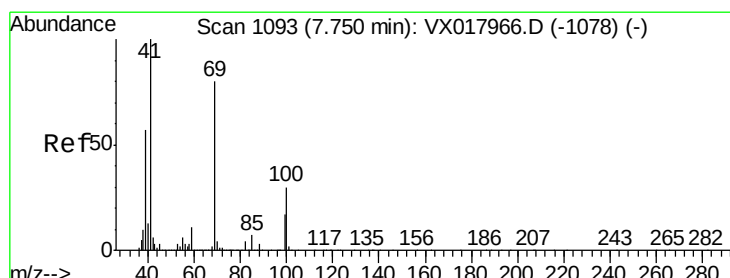
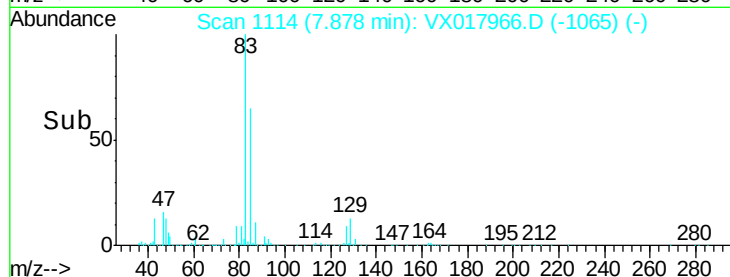
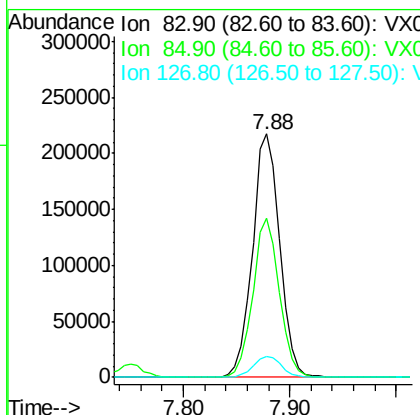
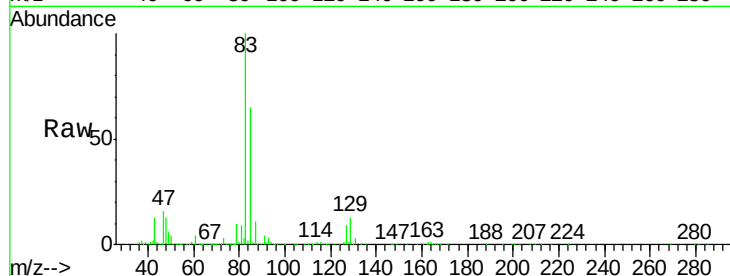
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	389774
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.4	78.6
127	8.8	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.549 ug/l

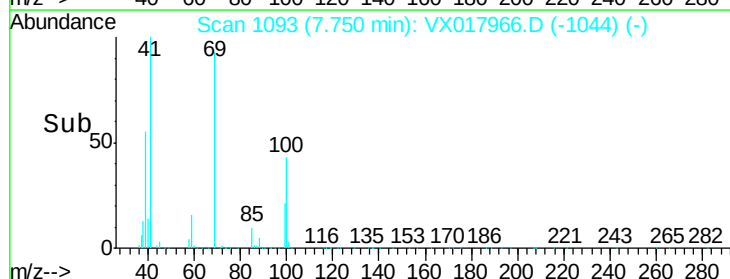
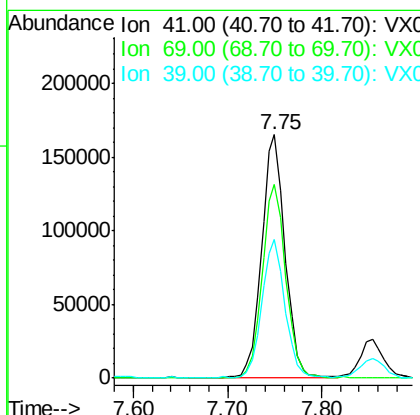
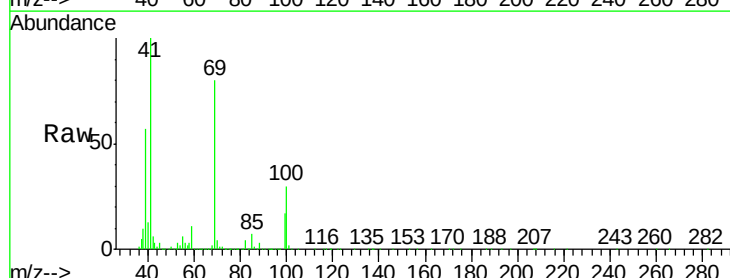
RT: 7.75 min Scan# 1093

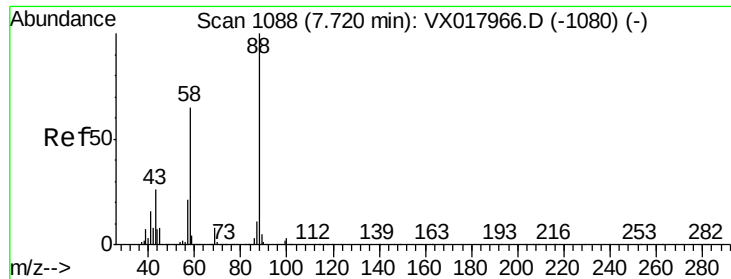
Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Tgt Ion:	41	Resp:	287118
Ion Ratio	Lower	Upper	
41	100		
69	80.4	64.3	96.5
39	56.6	45.3	67.9





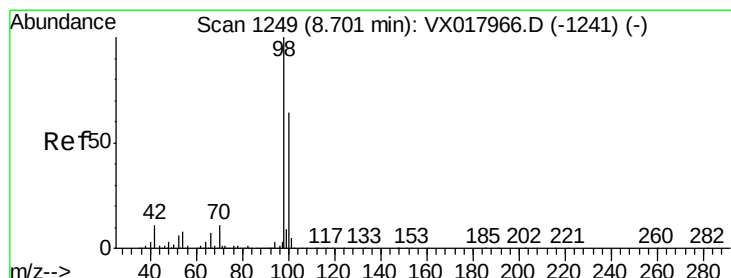
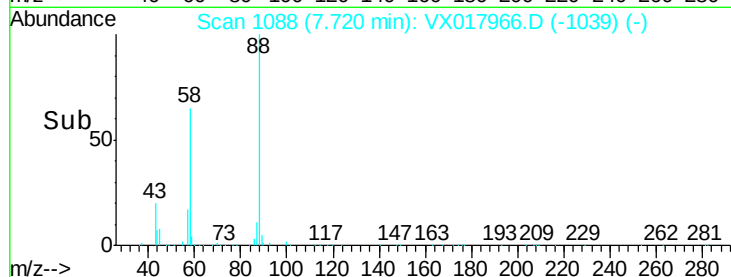
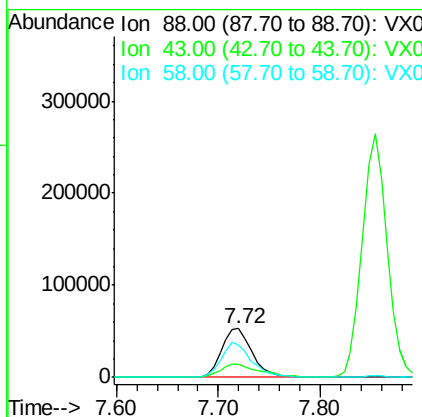
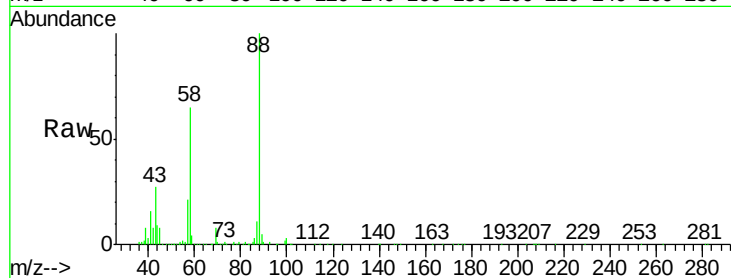
#49
1,4-Dioxane
Concen: 1015.442 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	110955		
43	34.1	27.3	40.9	
58	72.1	57.7	86.5	

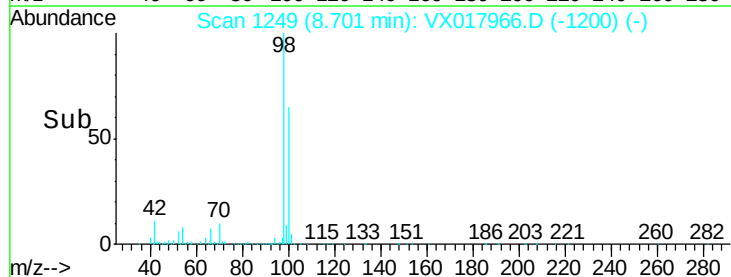
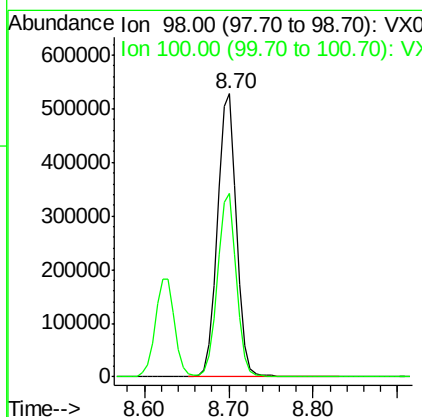
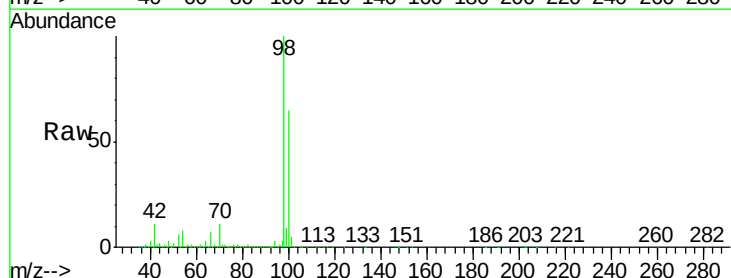
Manual Integrations
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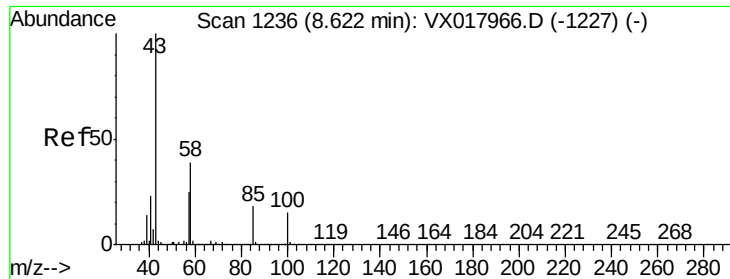
MMDadoda
8/19/2020 8:53:44 AM



#50
Toluene-d8
Concen: 51.689 ug/l
RT: 8.70 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	824416		
100	64.3	51.4	77.2	





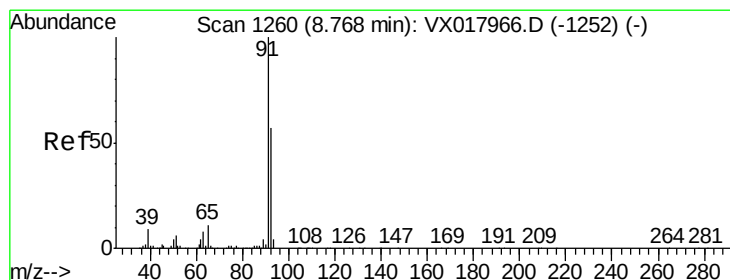
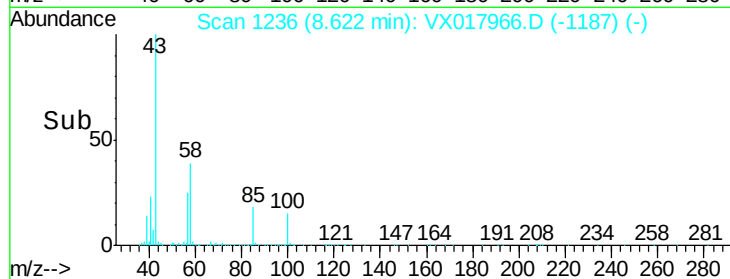
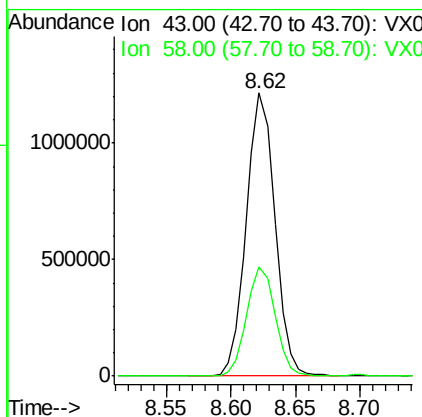
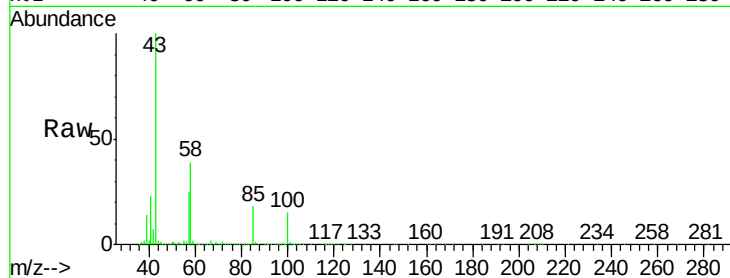
#51
4-Methyl-2-Pentanone
Concen: 272.534 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1861436
Ion Ratio Lower Upper
43 100
58 38.7 31.0 46.4

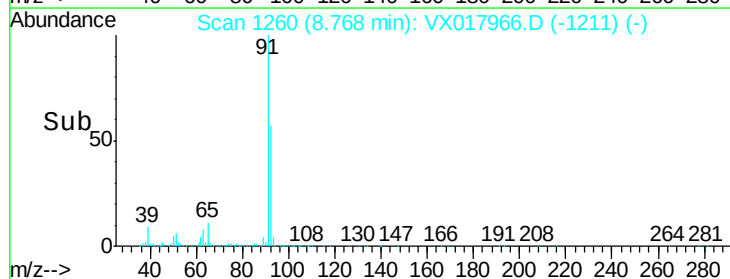
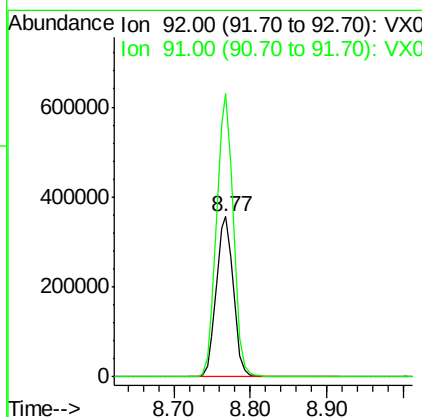
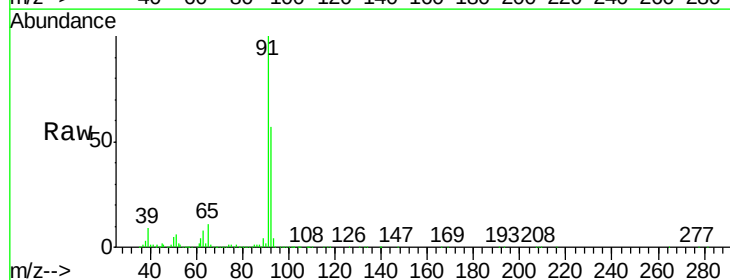
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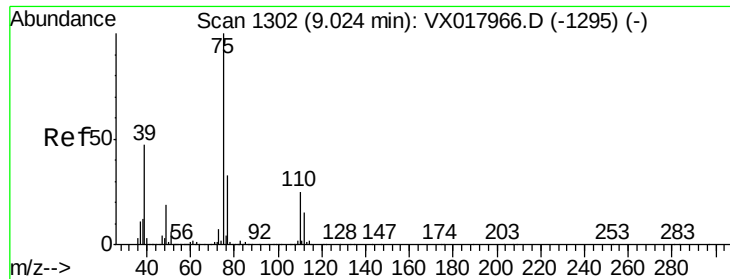
MMDadoda
8/19/2020 8:53:44 AM



#52
Toluene
Concen: 47.588 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion: 92 Resp: 550738
Ion Ratio Lower Upper
92 100
91 173.0 138.4 207.6





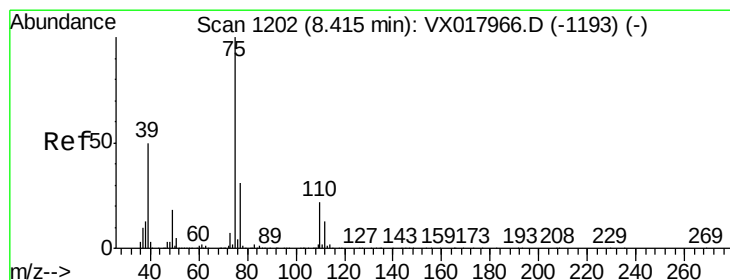
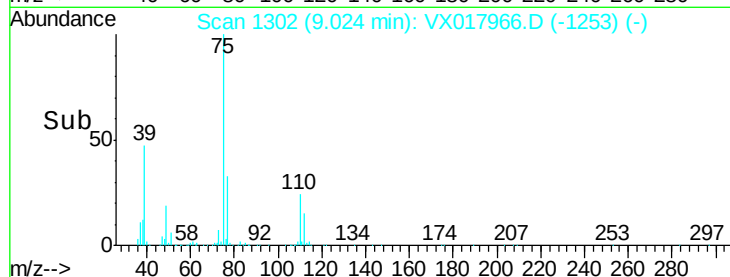
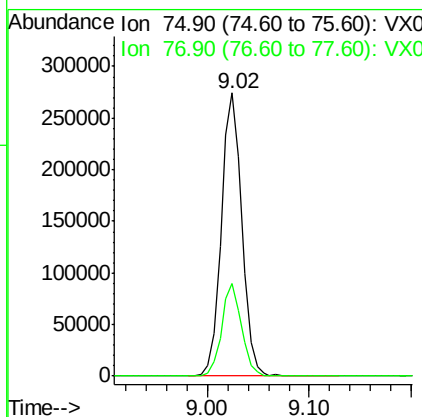
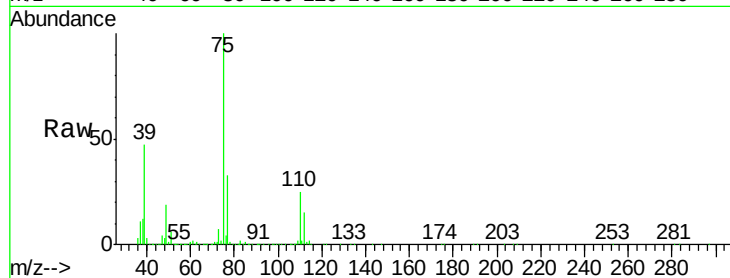
#53
t-1,3-Dichloropropene
Concen: 48.612 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.1	39.1

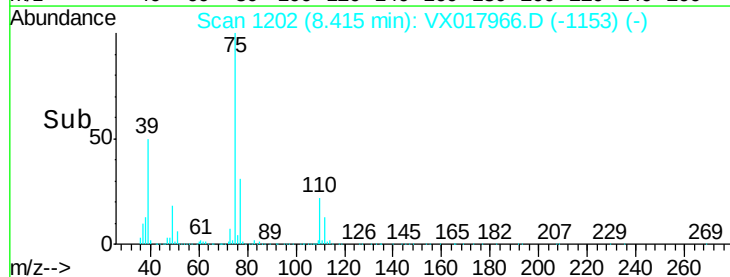
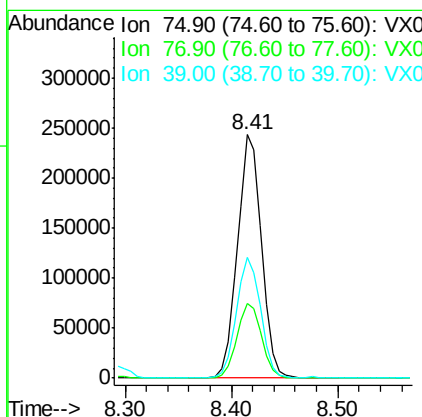
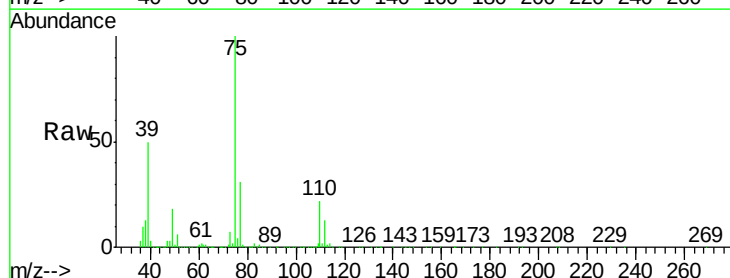
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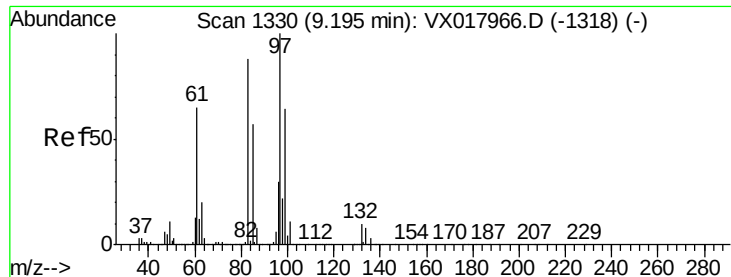
MMDadoda
8/19/2020 8:53:44 AM



#54
cis-1,3-Dichloropropene
Concen: 47.627 ug/l
RT: 8.41 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8
39	49.6	39.7	59.5





#55

1,1,2-Trichloroethane

Concen: 52.303 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

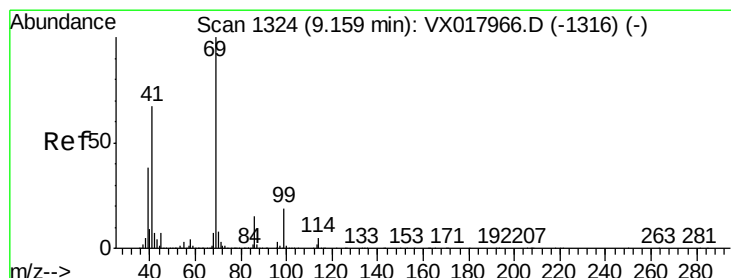
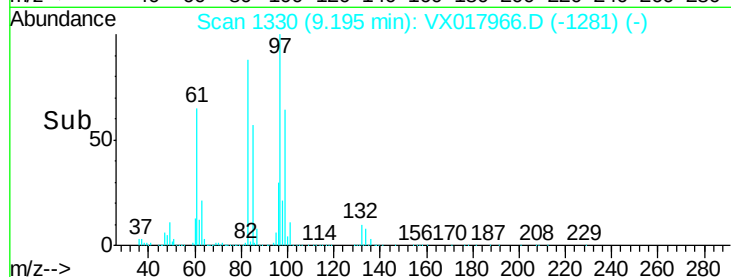
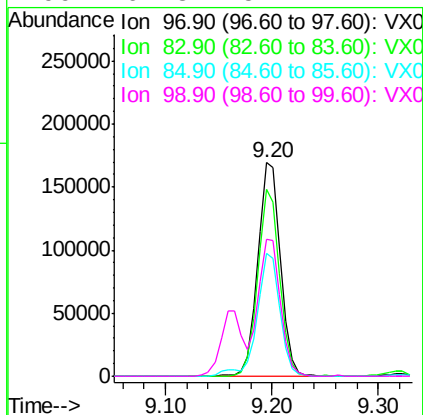
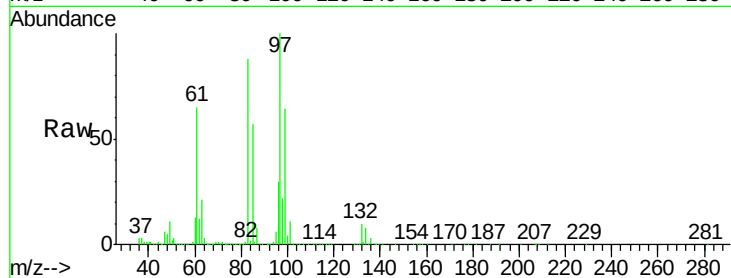
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	254101
Ion Ratio	Lower	Upper	
97	100		
83	87.6	70.1	105.1
85	57.3	45.8	68.8
99	64.3	51.4	77.2

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#56

Ethyl methacrylate

Concen: 51.800 ug/l

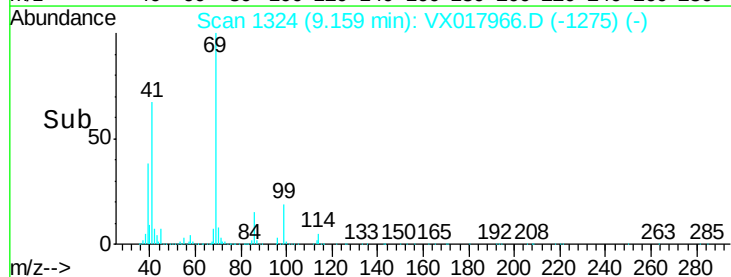
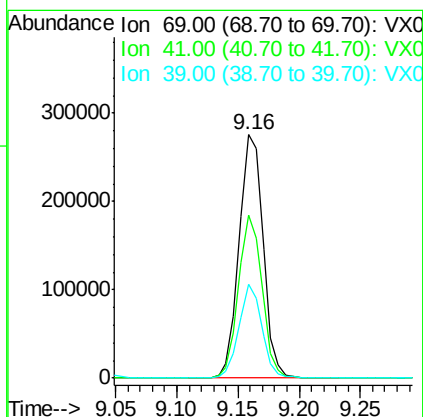
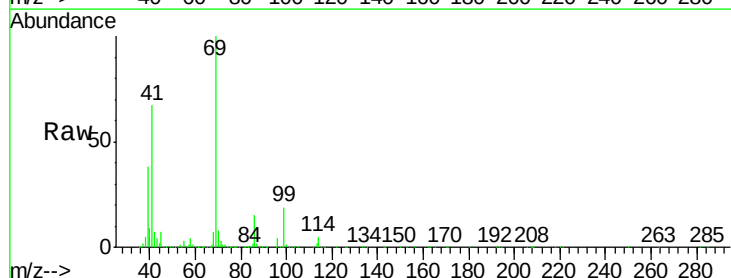
RT: 9.16 min Scan# 1324

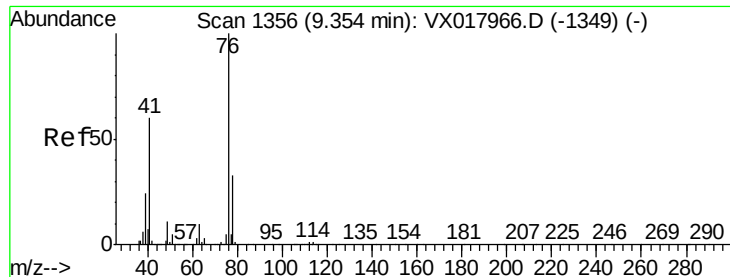
Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Tgt Ion:	69	Resp:	374155
Ion Ratio	Lower	Upper	
69	100		
41	65.4	52.3	78.5
39	36.5	29.2	43.8





#57

1,3-Dichloropropane

Concen: 51.772 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 412037

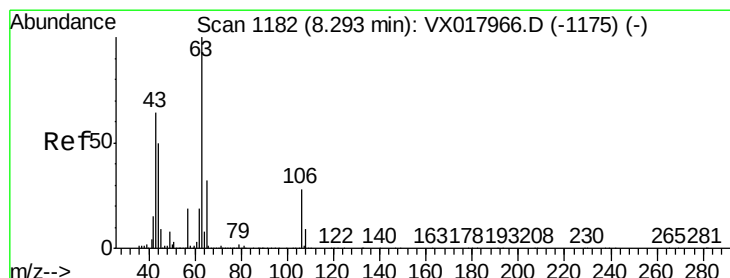
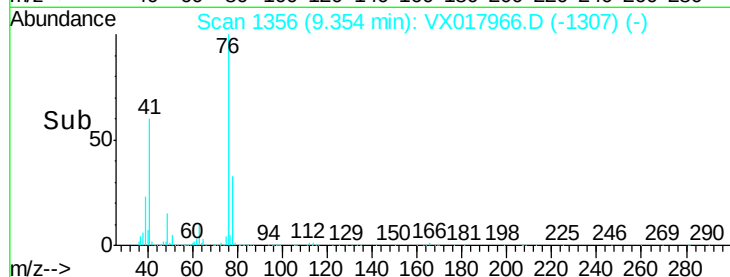
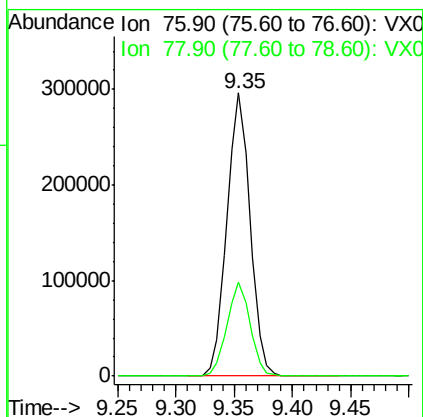
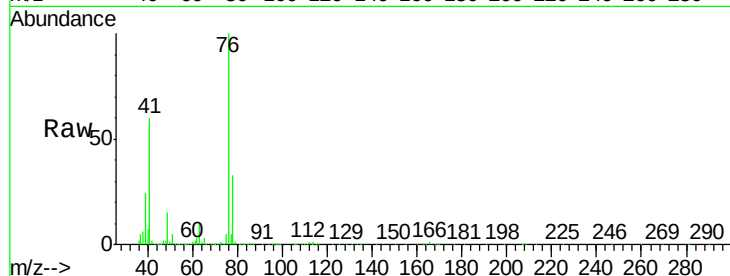
Ion Ratio Lower Upper

76 100

78 33.0 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 230.987 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017966.D

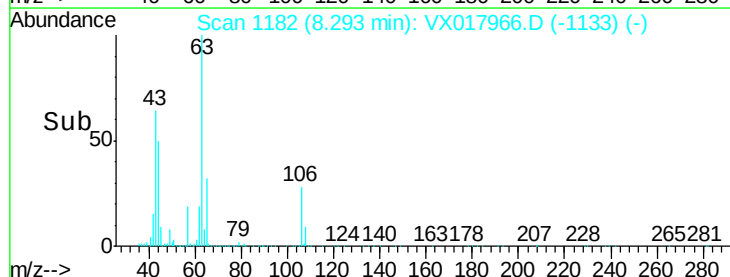
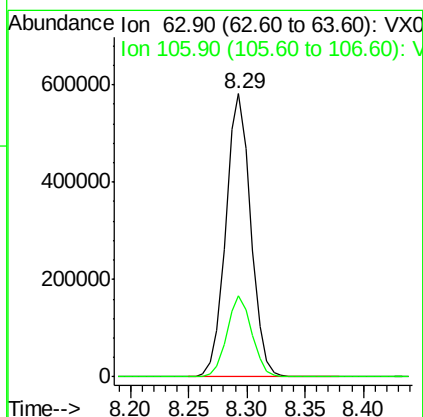
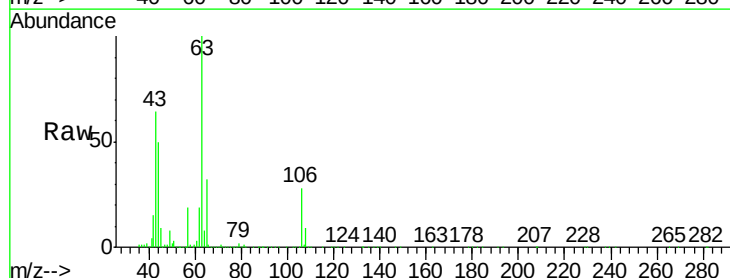
Acq: 18 Aug 2020 18:58

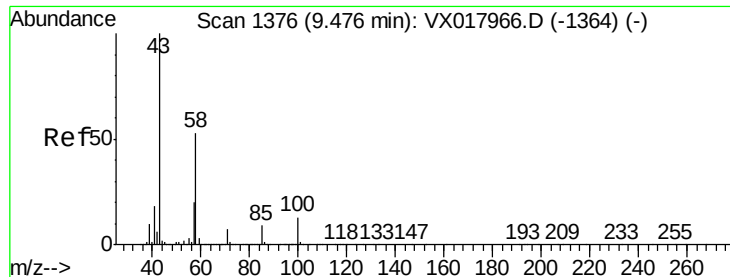
Tgt Ion: 63 Resp: 863404

Ion Ratio Lower Upper

63 100

106 28.7 23.0 34.4





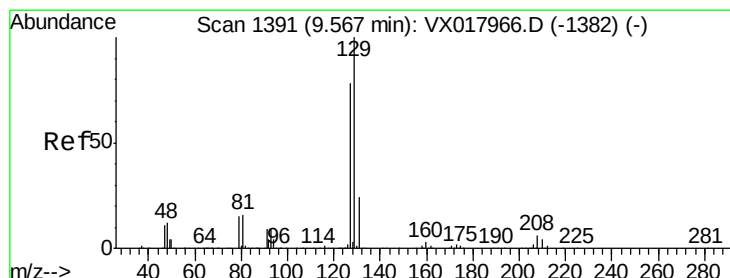
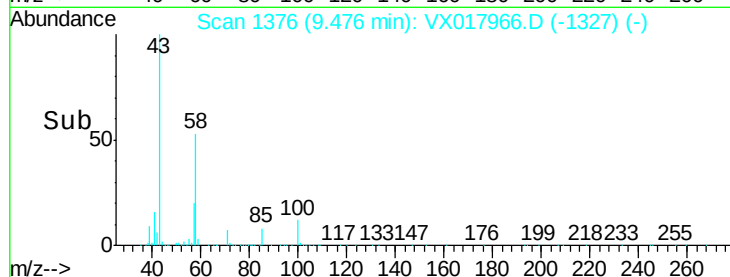
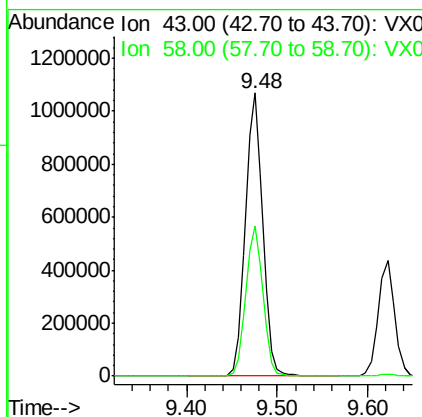
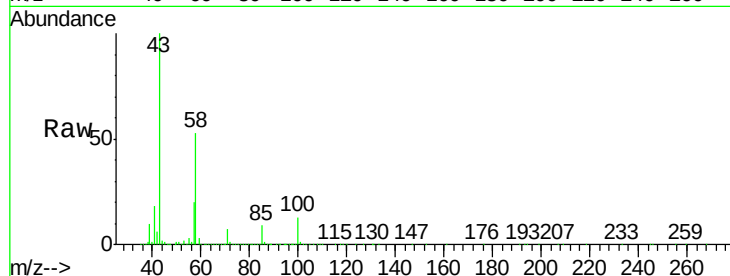
#59
2-Hexanone
Concen: 276.561 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1413748
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0

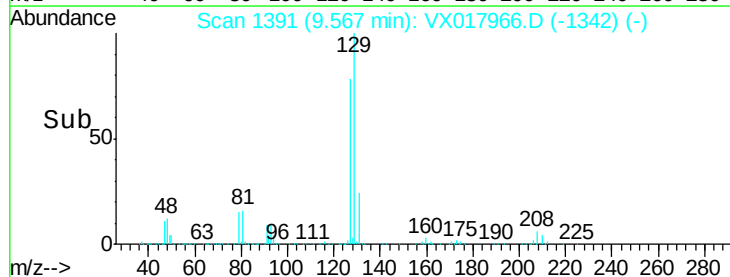
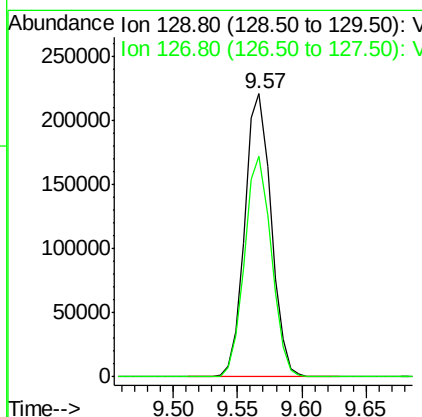
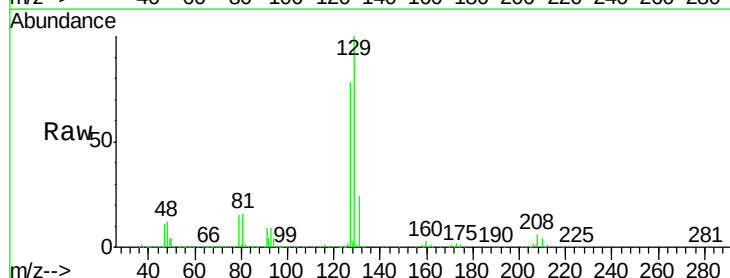
Manual Integrations
APPROVED

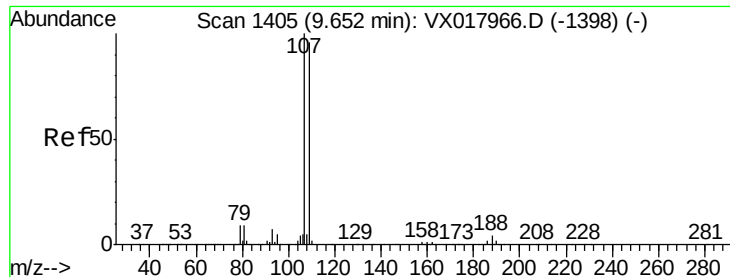
MMDadoda
8/19/2020 8:53:44 AM



#60
Dibromochloromethane
Concen: 50.774 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion: 129 Resp: 311716
Ion Ratio Lower Upper
129 100
127 78.9 39.5 118.3





#61

1,2-Dibromoethane

Concen: 56.441 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 294444

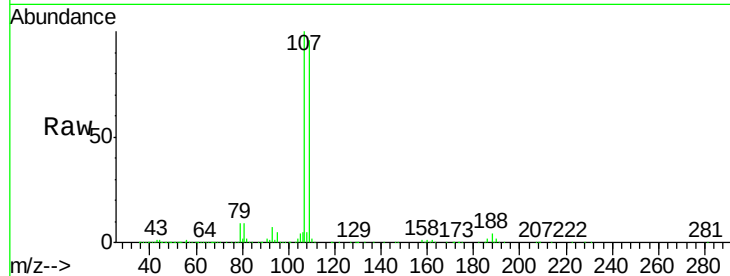
Ion Ratio Lower Upper

107 100

109 94.4 75.5 113.3

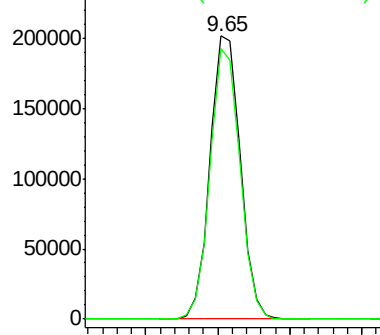
Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:44 AM

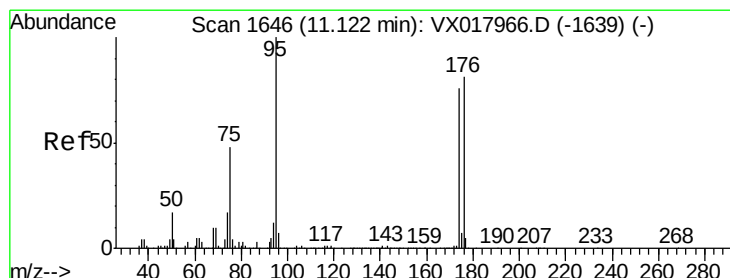
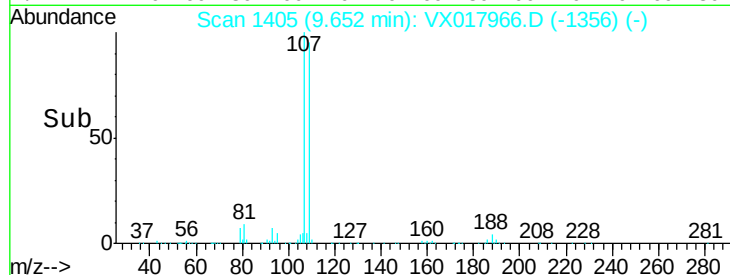


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 48.810 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

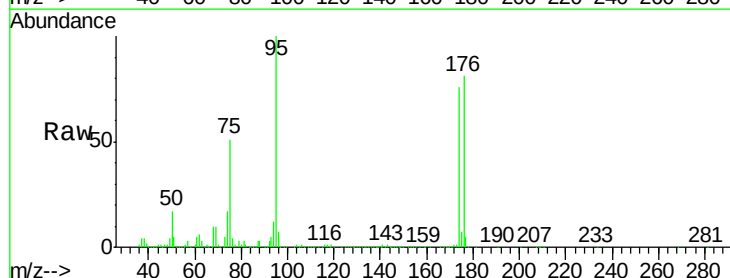
Tgt Ion: 95 Resp: 311737

Ion Ratio Lower Upper

95 100

174 83.0 0.0 166.0

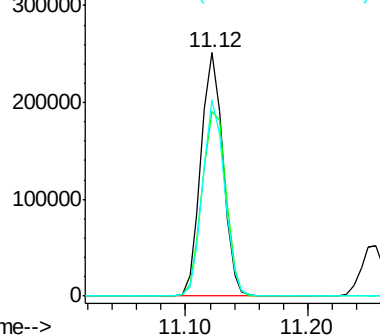
176 80.5 0.0 161.0



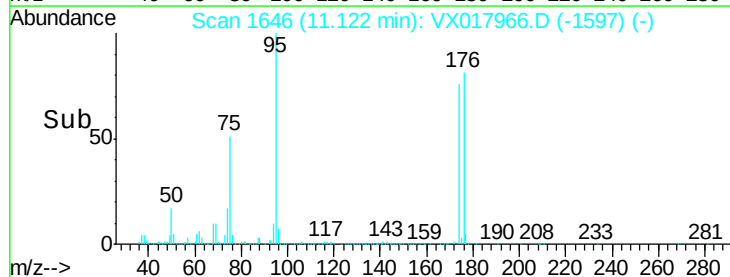
Abundance Ion 94.90 (94.60 to 95.60): VX0

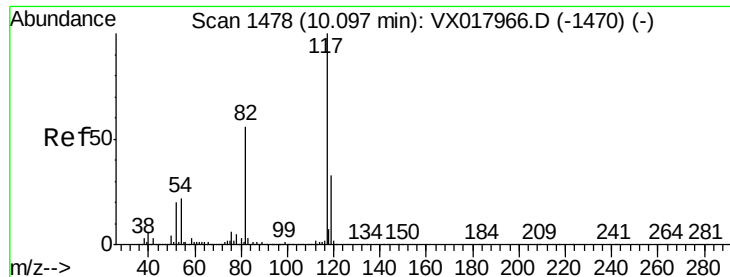
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





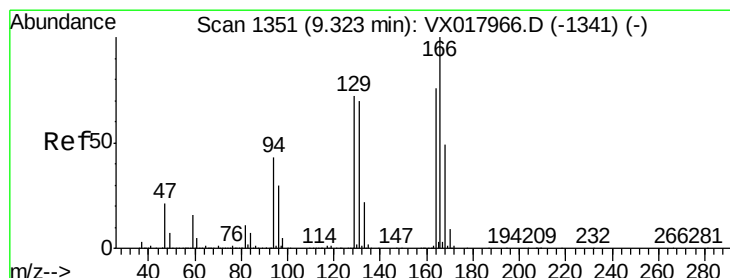
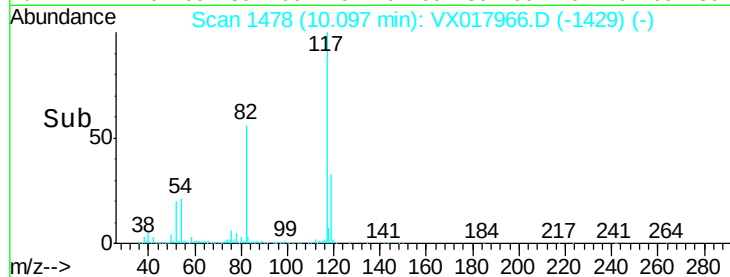
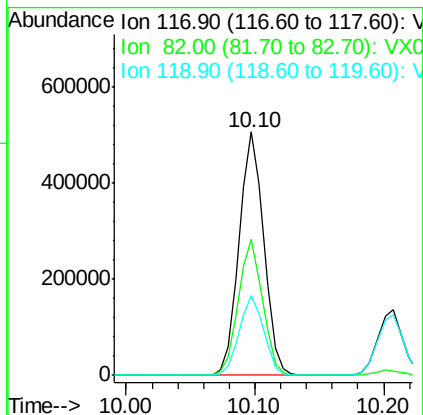
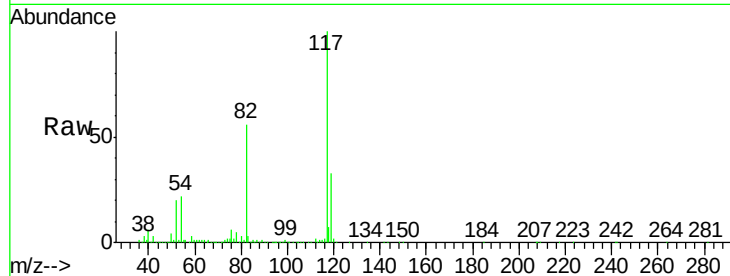
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	672370		
82	55.7	44.6	66.8	
119	32.8	26.2	39.4	

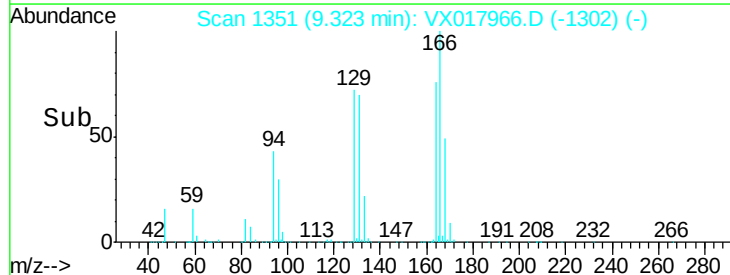
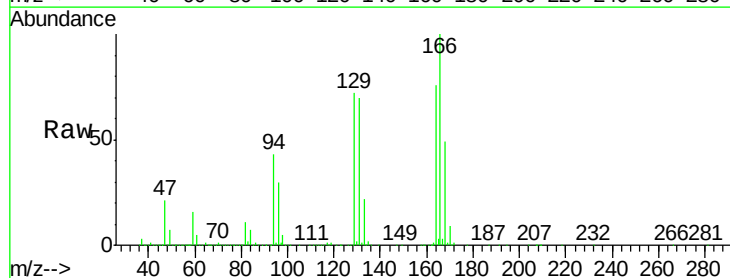
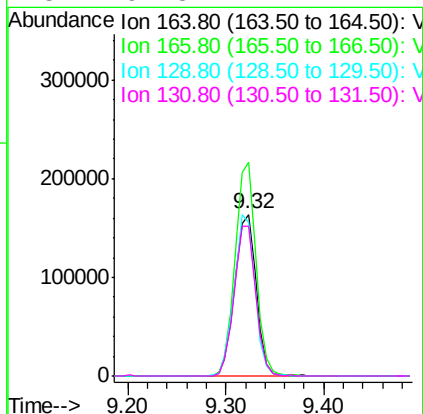
Manual Integrations
APPROVED

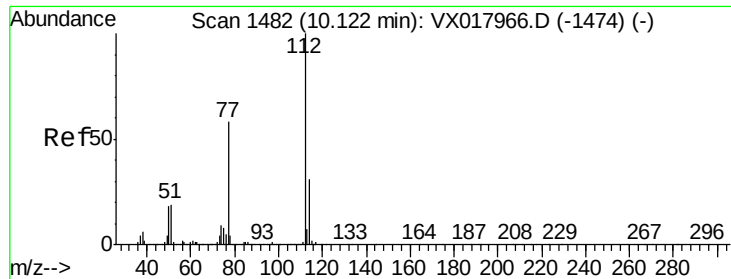
MMDadoda
8/19/2020 8:53:44 AM



#64
Tetrachloroethene
Concen: 42.234 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	249011		
166	132.1	105.7	158.5	
129	94.8	75.8	113.8	
131	92.8	74.2	111.4	





#65

Chlorobenzene

Concen: 46.590 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 669799

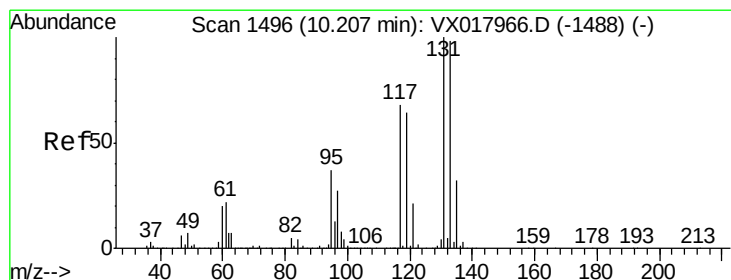
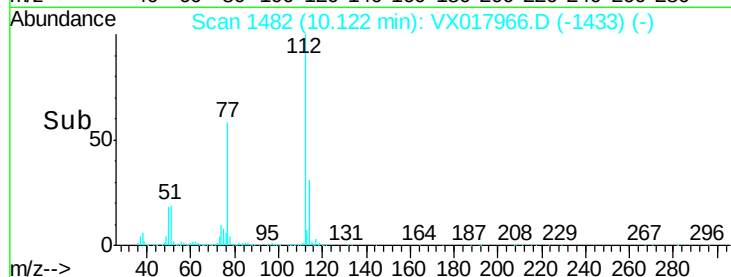
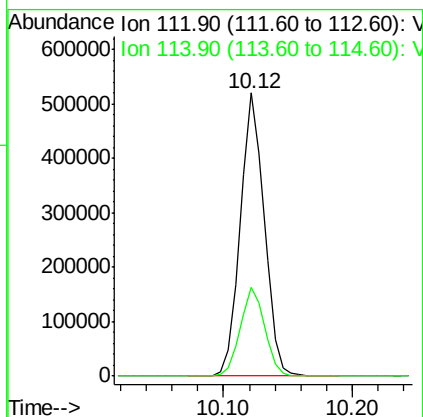
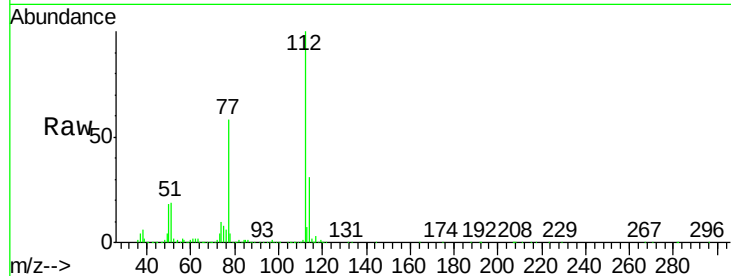
Ion Ratio Lower Upper

112 100

114 31.3 25.0 37.6

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 47.605 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

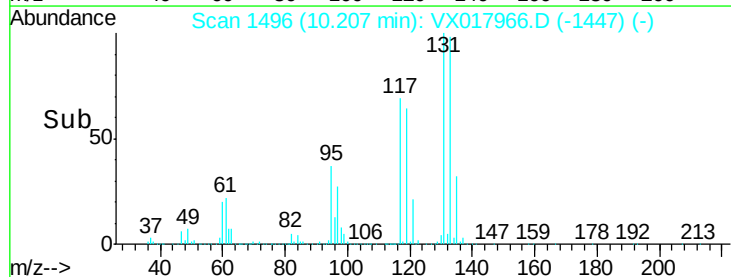
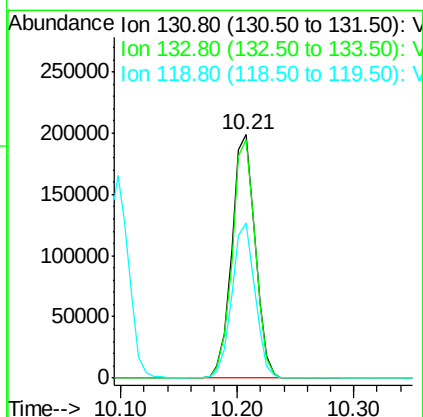
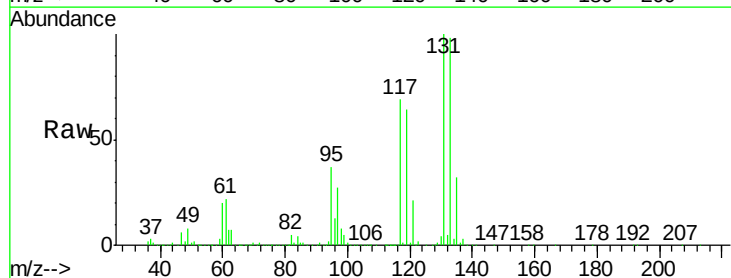
Tgt Ion:131 Resp: 277577

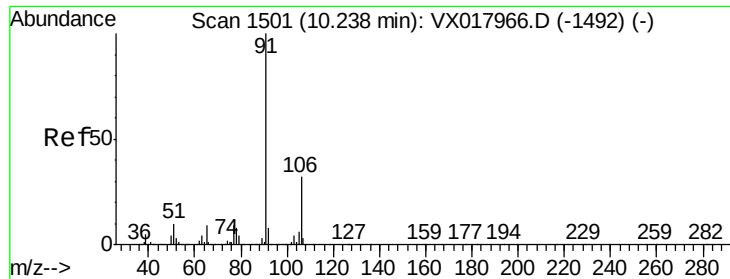
Ion Ratio Lower Upper

131 100

133 96.9 48.4 145.3

119 63.2 31.6 94.8





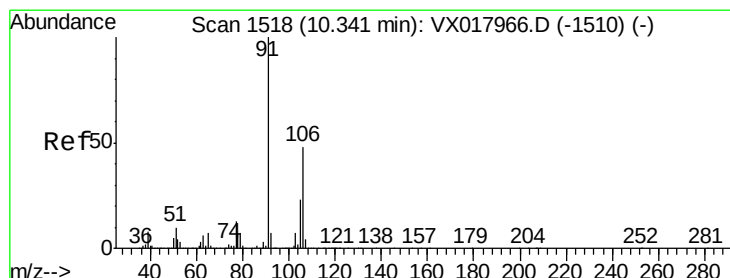
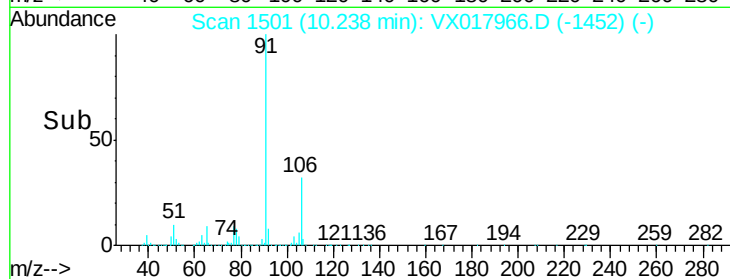
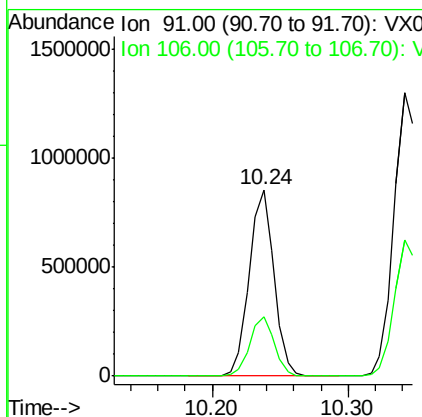
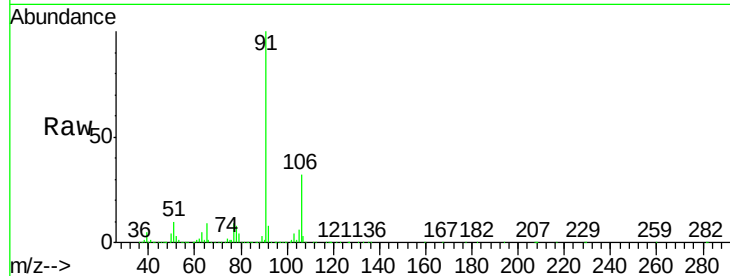
#67
Ethyl Benzene
Concen: 45.876 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1095405
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0

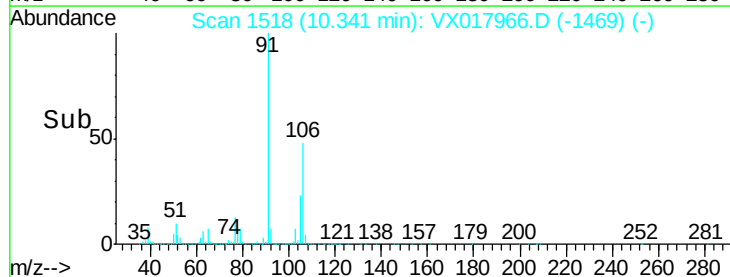
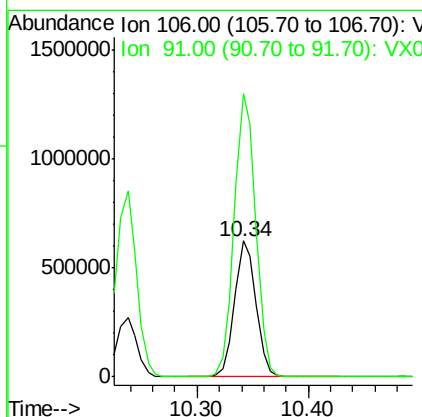
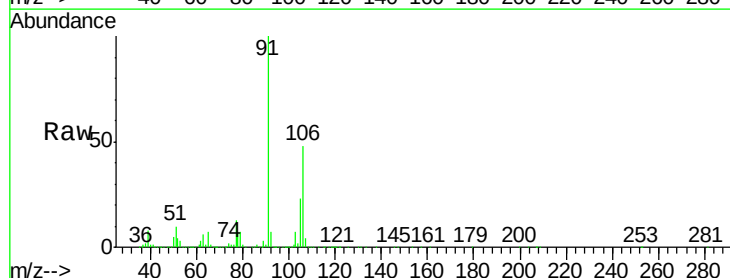
Manual Integrations
APPROVED

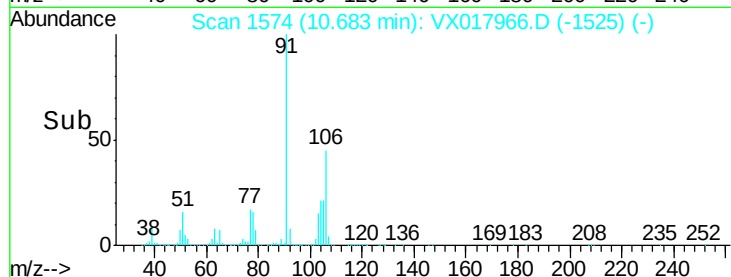
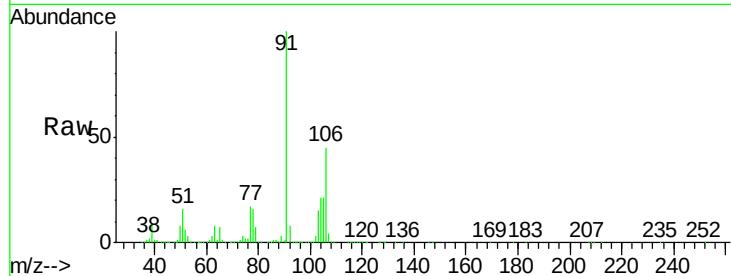
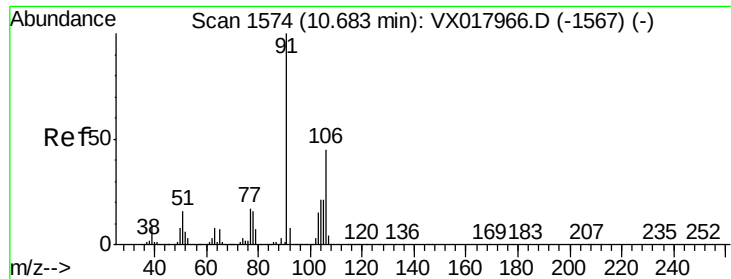
MMDadoda
8/19/2020 8:53:44 AM



#68
m/p-Xylenes
Concen: 90.057 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion: 106 Resp: 826774
Ion Ratio Lower Upper
106 100
91 209.3 167.4 251.2





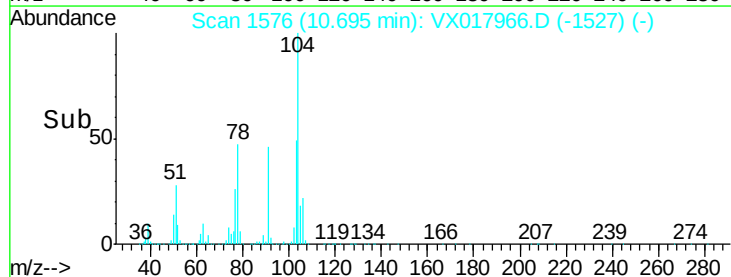
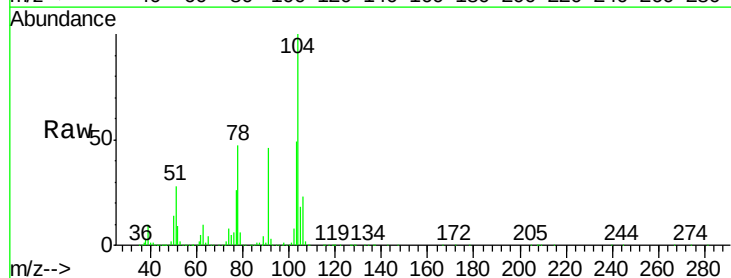
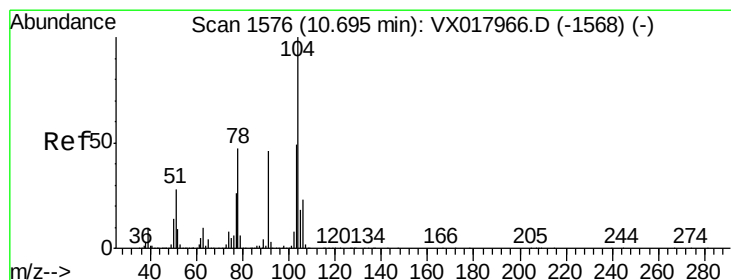
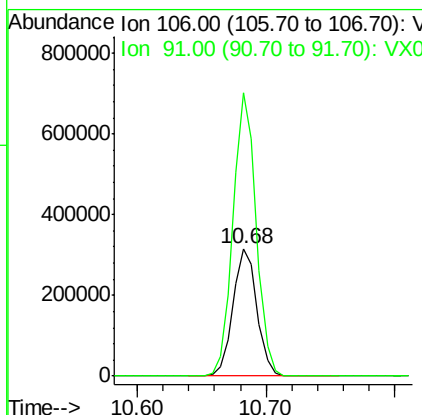
#69
o-Xylene
Concen: 46.028 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tot Ion	Ratio	Resp	Lower	Upper
106	100	408259		
91	216.1	108.1	324.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

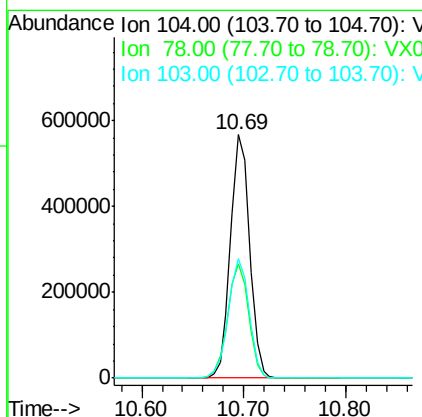
Manual Integrations
APPROVED

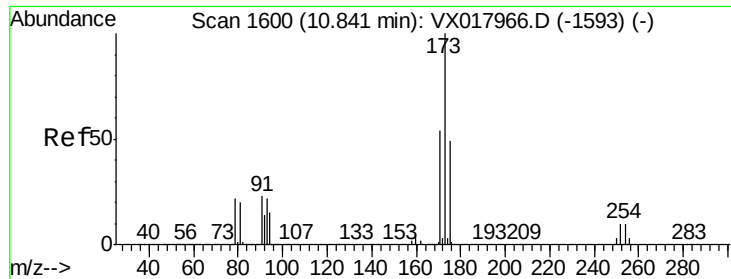
MMDadoda
8/19/2020 8:53:44 AM



#70
Styrene
Concen: 48.491 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	733377		
78	51.6	41.3	61.9	
103	53.6	42.9	64.3	





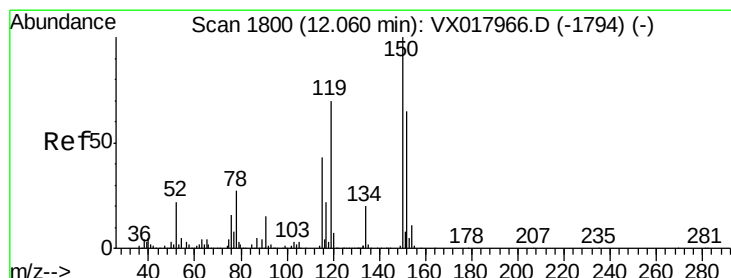
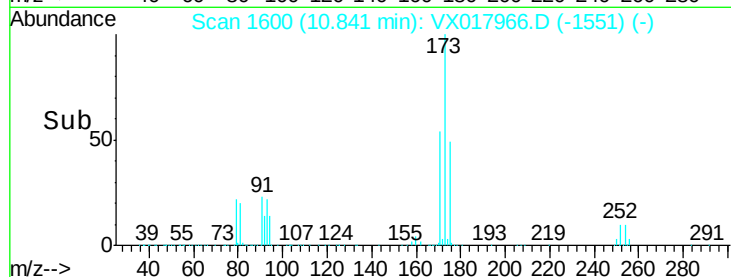
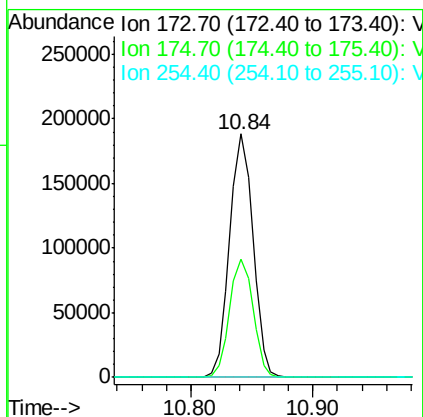
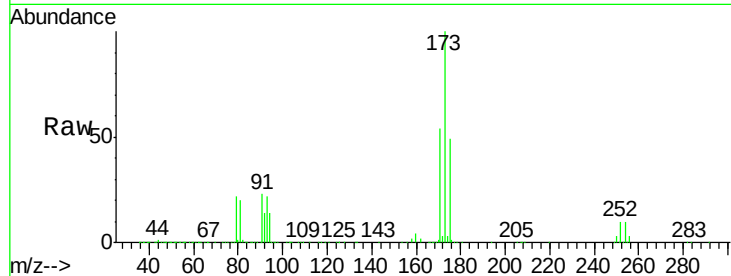
#71
Bromoform
Concen: 49.731 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.2	0.2	0.2

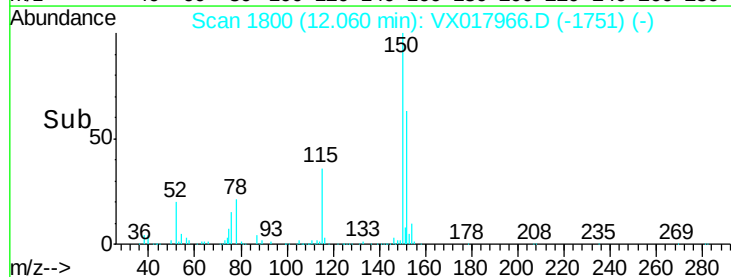
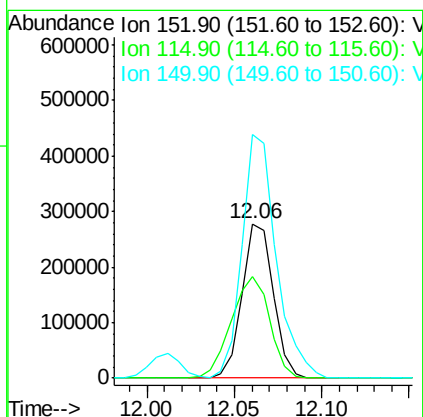
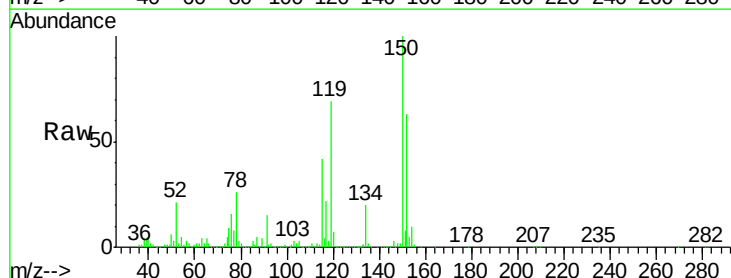
Manual Integrations
APPROVED

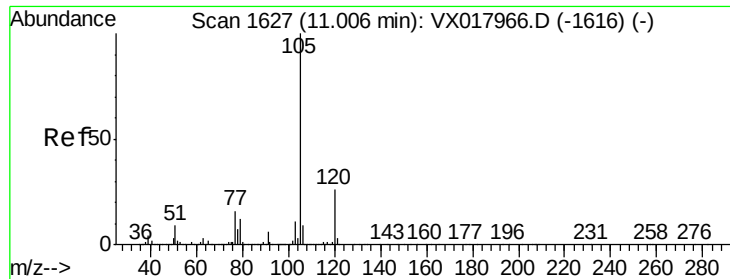
MMDadoda
8/19/2020 8:53:44 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.1	40.6	121.7
150	173.2	0.0	346.4





#73

Isopropylbenzene

Concen: 49.499 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1163004

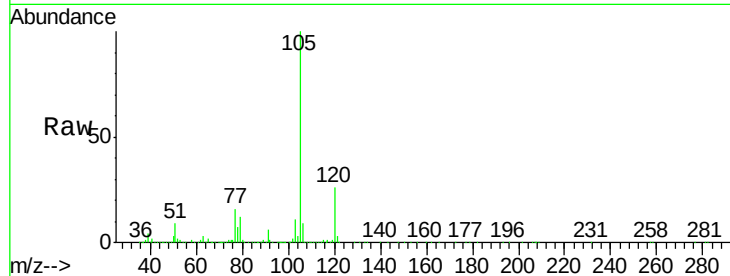
Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4

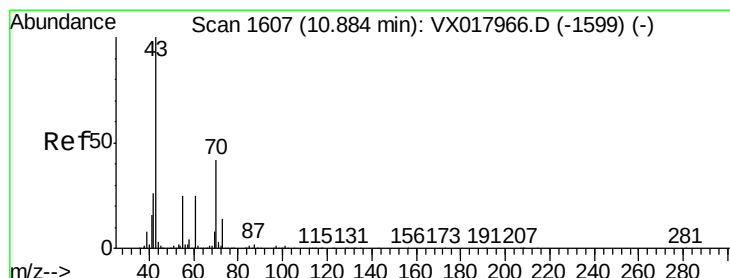
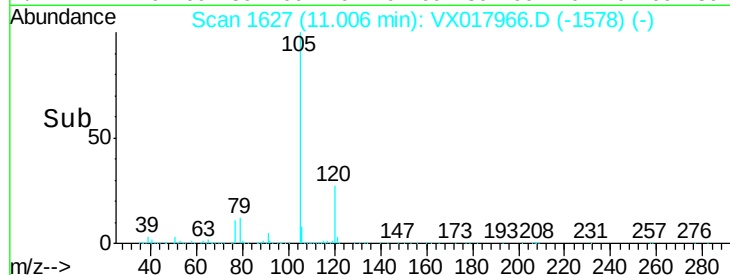
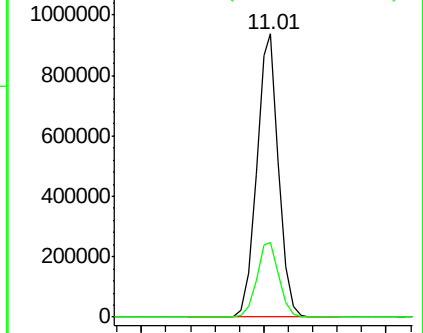
Manual Integrations
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8/19/2020 8:53:44 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.199 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Tgt Ion: 43 Resp: 516786

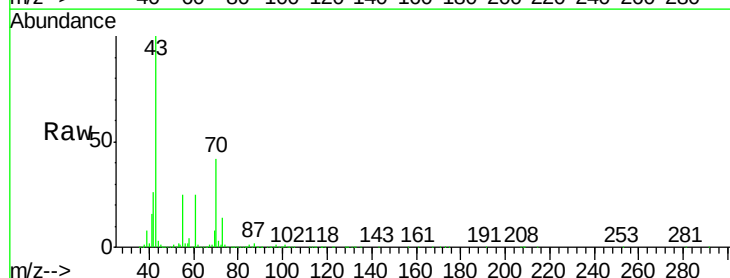
Ion Ratio Lower Upper

43 100

70 41.1 32.9 49.3

55 24.1 19.3 28.9

61 24.5 19.6 29.4

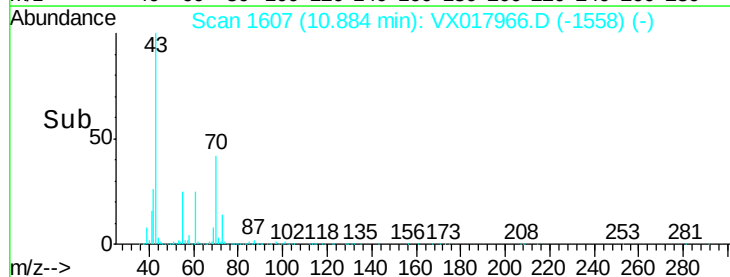
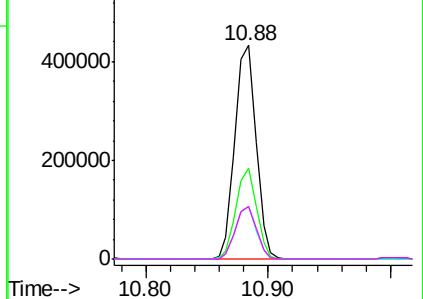


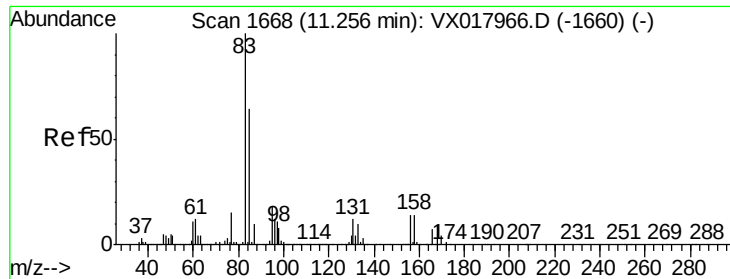
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.671 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 385988

Ion Ratio Lower Upper

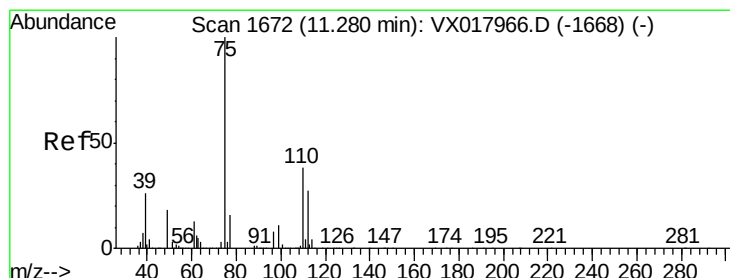
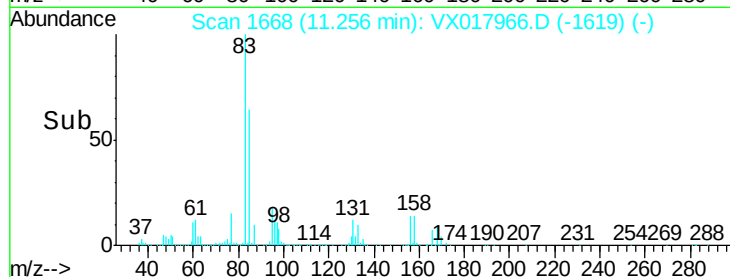
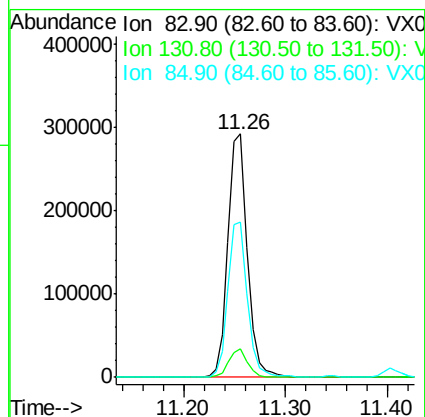
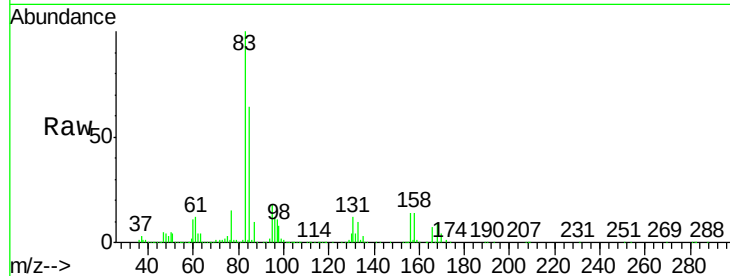
83 100

131 11.3 5.7 17.0

85 64.4 32.2 96.6

Manual Integrations
APPROVED

MMDadoda
8/19/2020 8:53:44 AM



#76

1,2,3-Trichloropropane

Concen: 51.942 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX017966.D

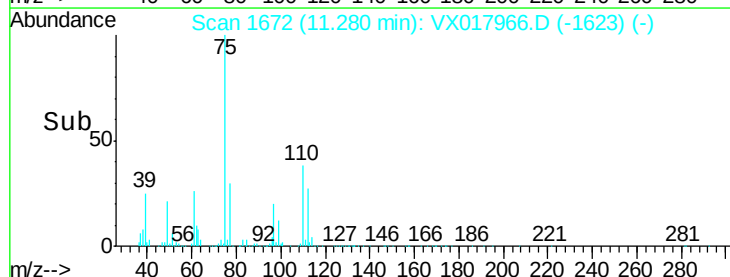
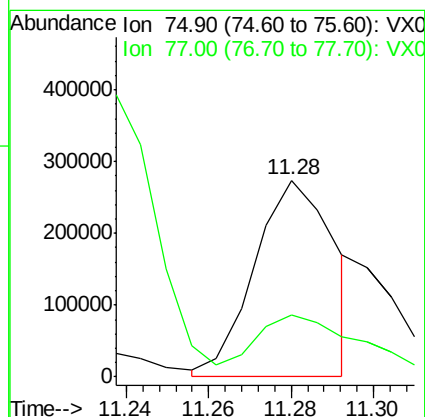
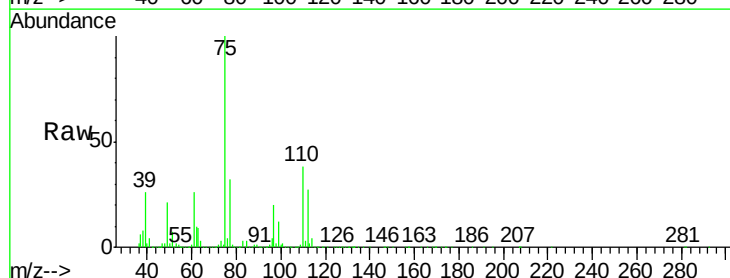
Acq: 18 Aug 2020 18:58

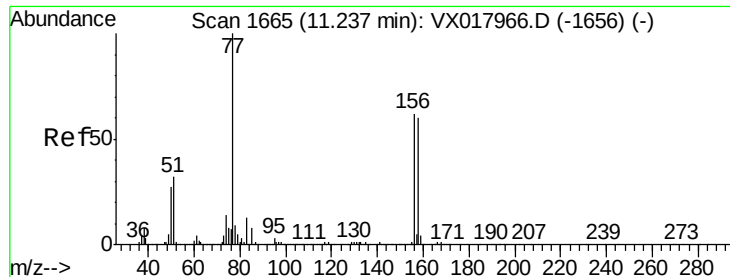
Tgt Ion: 75 Resp: 368540

Ion Ratio Lower Upper

75 100

77 42.1 21.1 63.1





#77

Bromobenzene

Concen: 48.785 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 320637

Ion Ratio Lower Upper

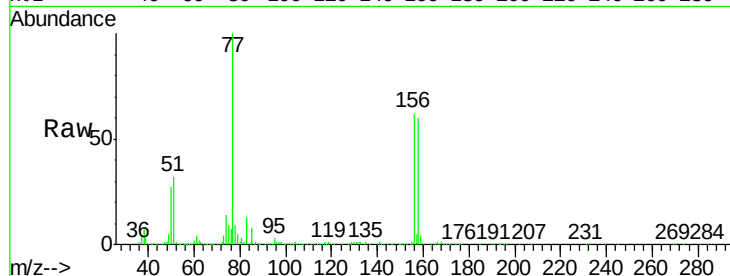
156 100

77 156.0 78.0 234.0

158 98.4 49.2 147.6

Manual Integrations
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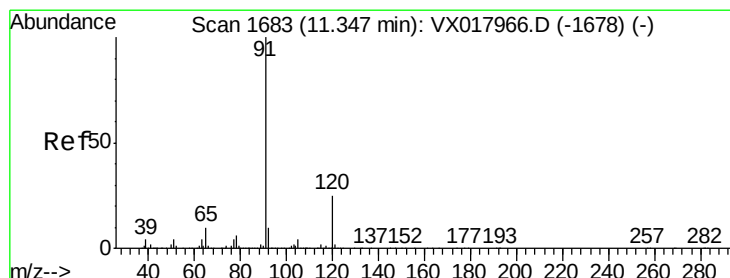
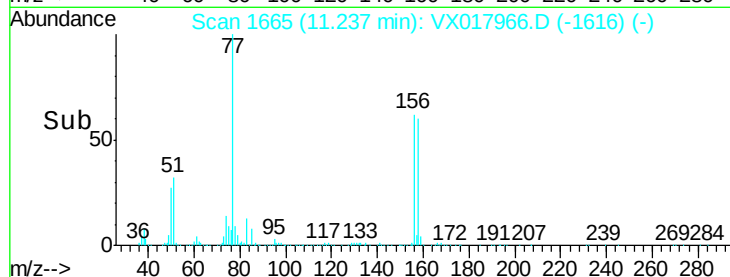
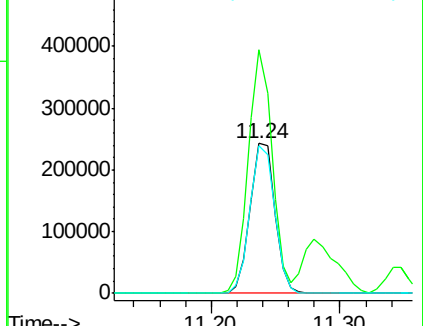
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.285 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX017966.D

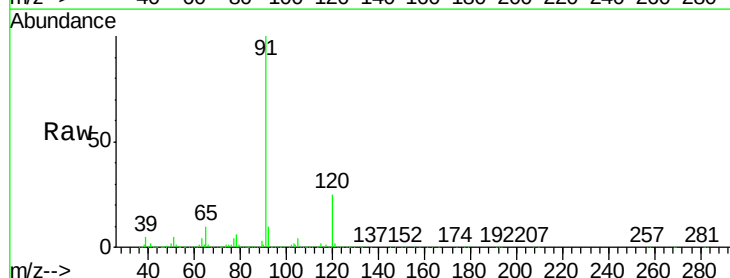
Acq: 18 Aug 2020 18:58

Tgt Ion: 91 Resp: 1338500

Ion Ratio Lower Upper

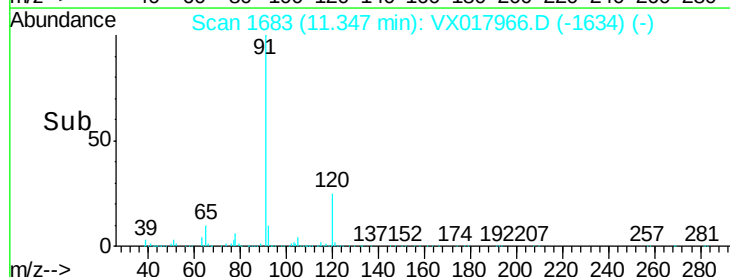
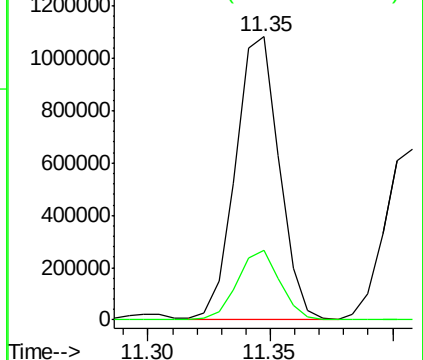
91 100

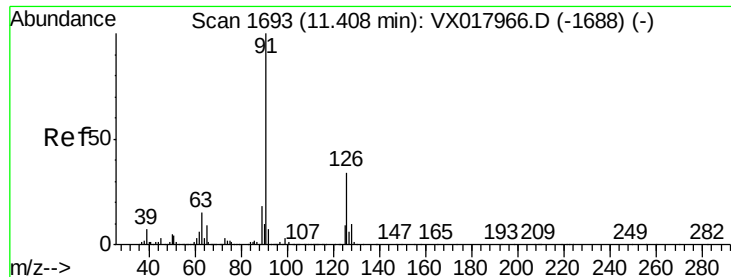
120 24.1 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.126 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 808790

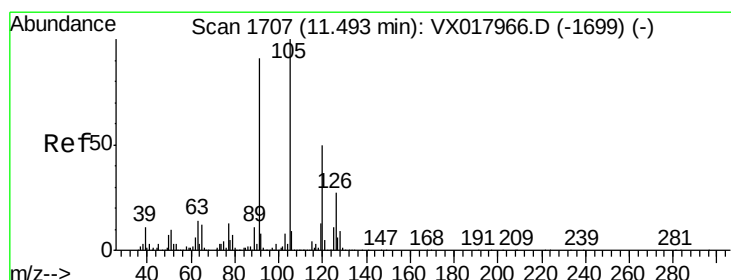
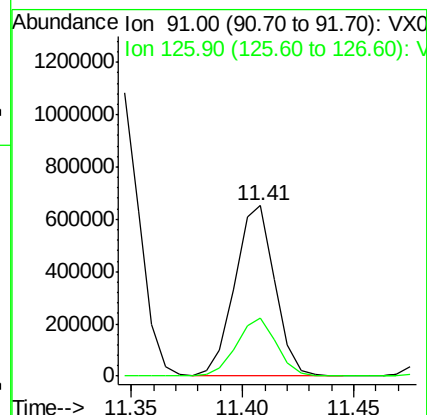
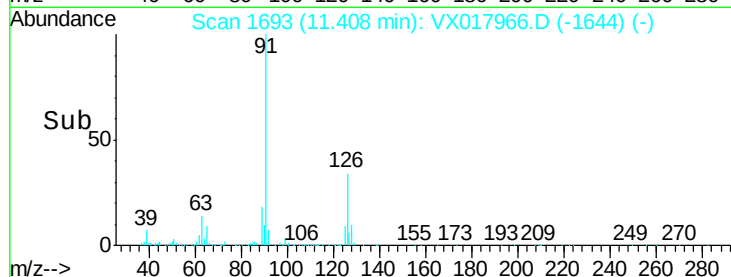
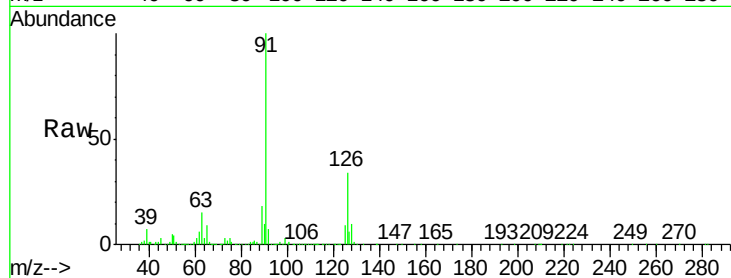
Ion Ratio Lower Upper

91 100

126 34.1 17.1 51.2

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 50.067 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017966.D

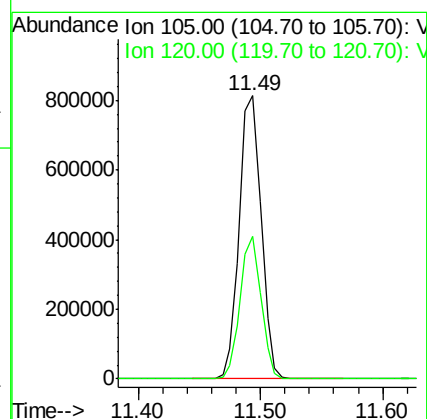
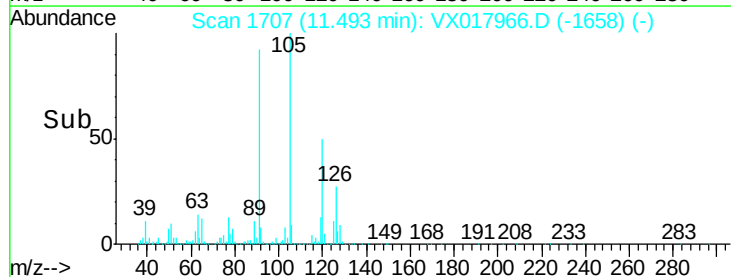
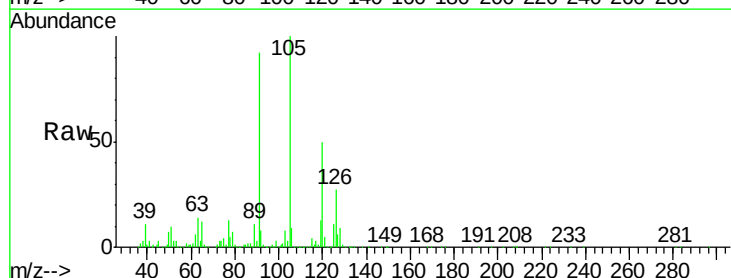
Acq: 18 Aug 2020 18:58

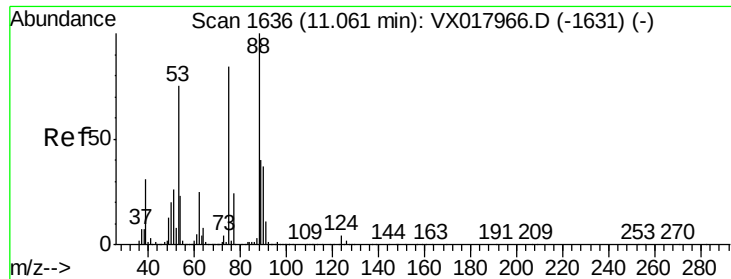
Tgt Ion: 105 Resp: 1001311

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.609 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

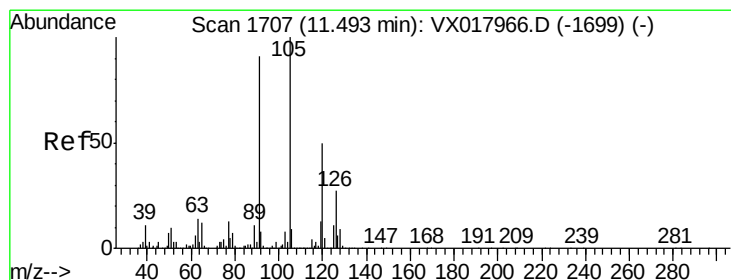
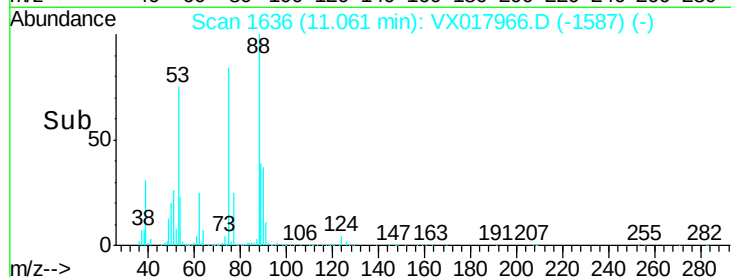
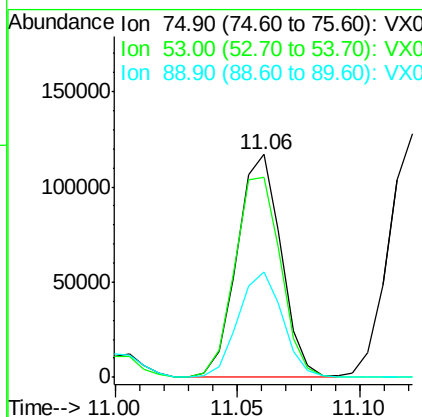
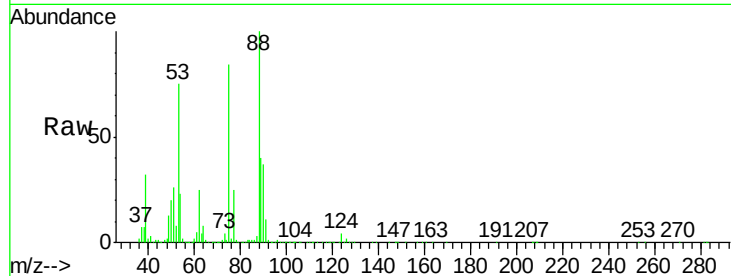
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	145474
Ion	Ratio	Lower	Upper
75	100		
53	94.0	75.2	112.8
89	48.0	38.4	57.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.352 ug/l

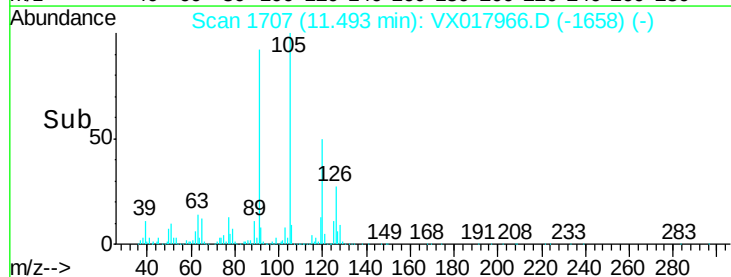
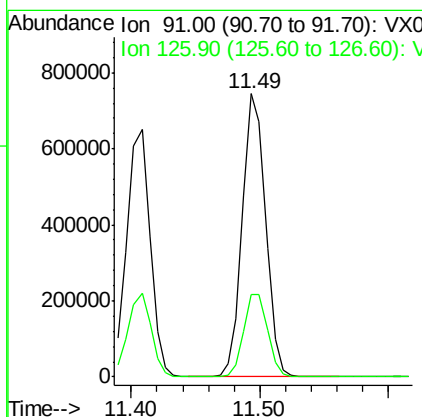
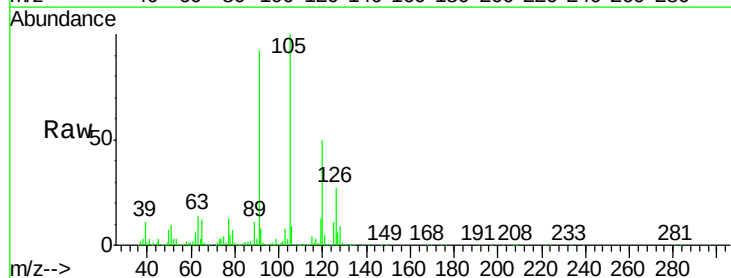
RT: 11.49 min Scan# 1707

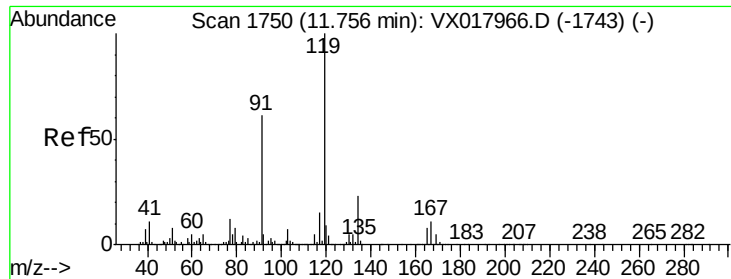
Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Tgt Ion:	91	Resp:	932310
Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.0	45.0





#83

tert-Butylbenzene

Concen: 49.210 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

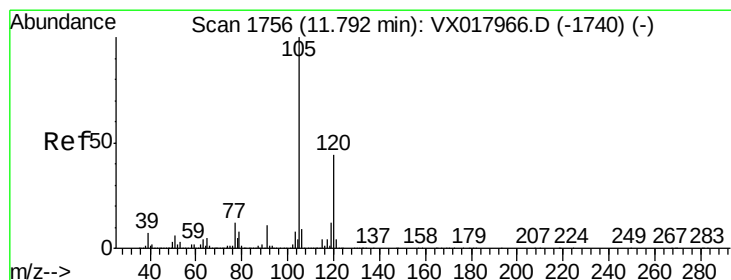
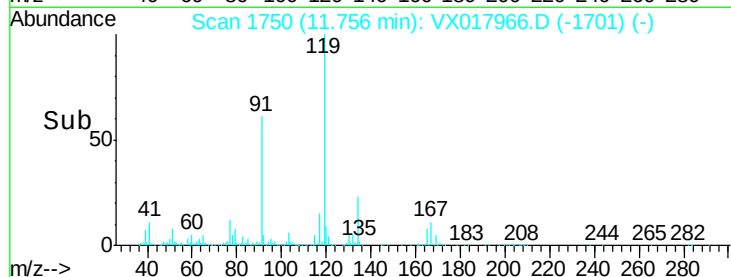
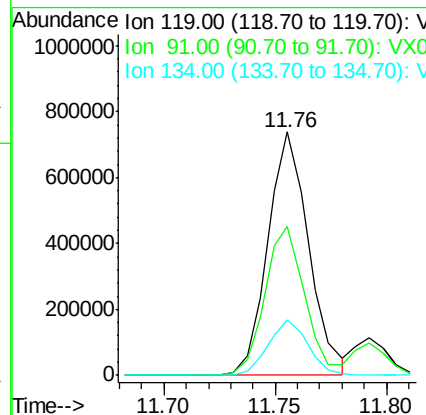
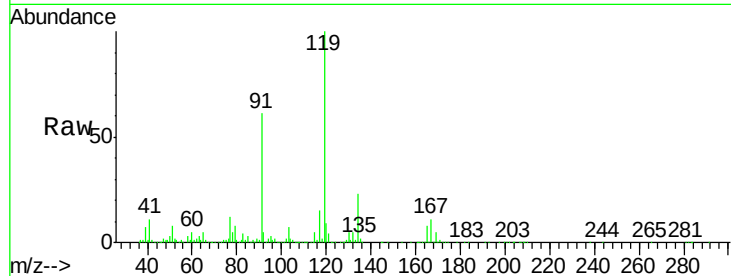
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		937866		
91	60.3	30.1	90.5		
134	22.1	11.1	33.1		

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#84

1,2,4-Trimethylbenzene

Concen: 55.049 ug/l

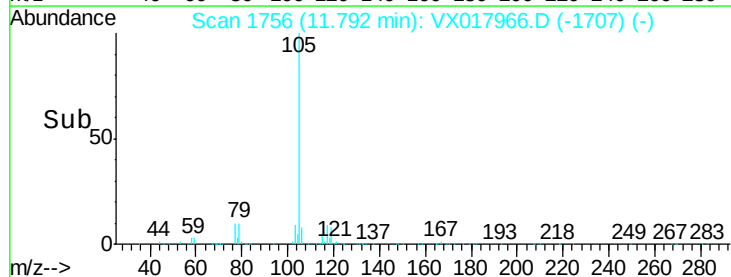
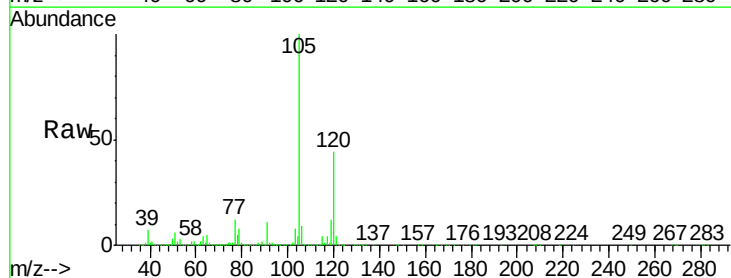
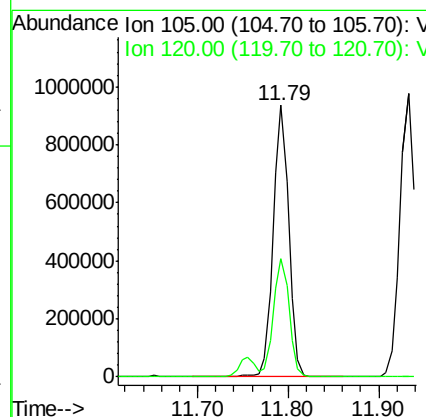
RT: 11.79 min Scan# 1756

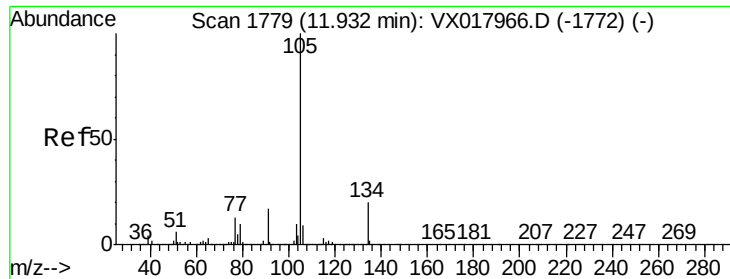
Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		1112632		
120	44.1	22.1	66.1		





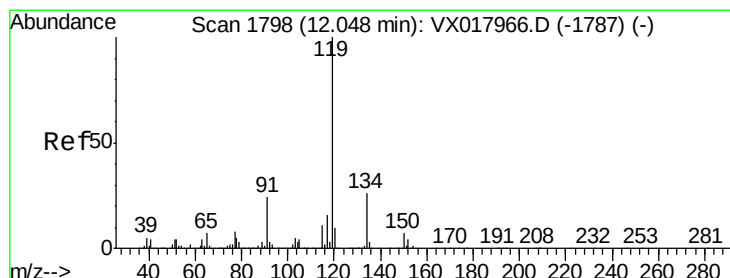
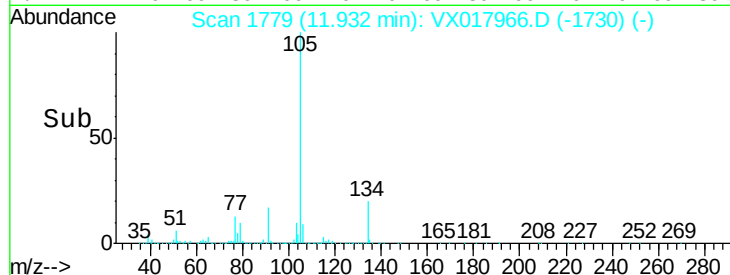
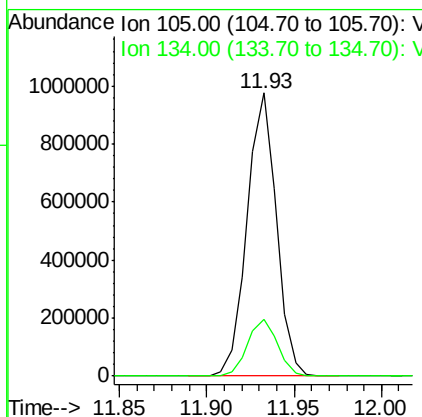
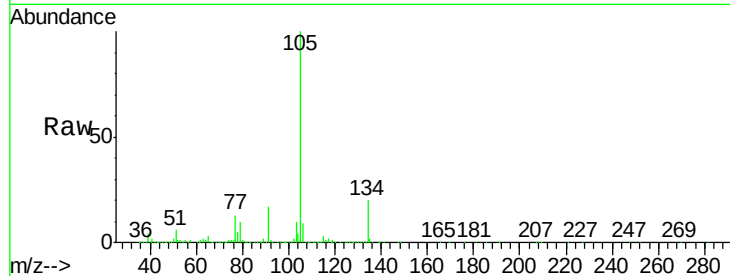
#85
 sec-Butylbenzene
 Concen: 50.820 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX017966.D
 Acq: 18 Aug 2020 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1137117
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.9

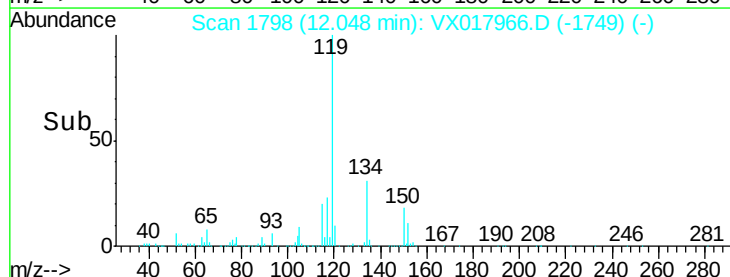
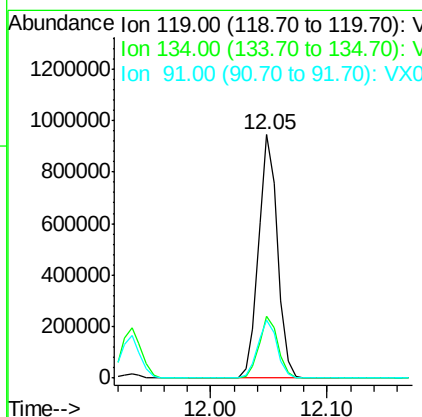
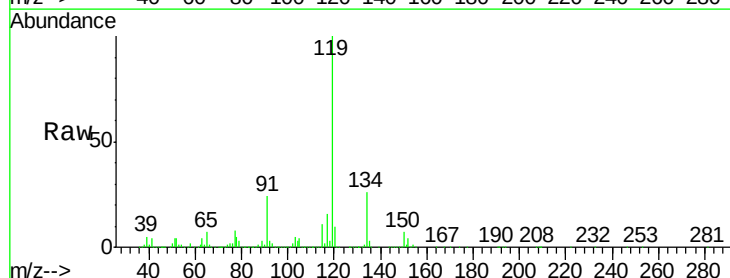
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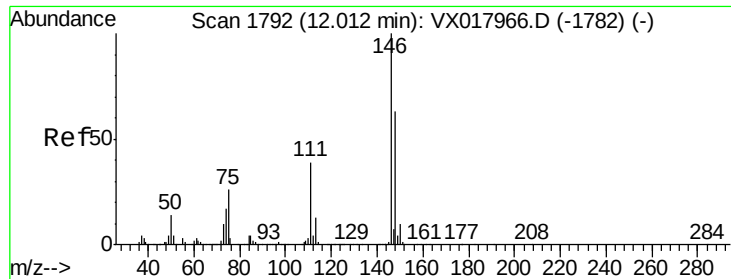
MMDadoda
 8/19/2020 8:53:44 AM



#86
 p-Isopropyltoluene
 Concen: 50.287 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX017966.D
 Acq: 18 Aug 2020 18:58

Tgt Ion:119 Resp: 1068441
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.7 38.0
 91 24.3 12.2 36.4





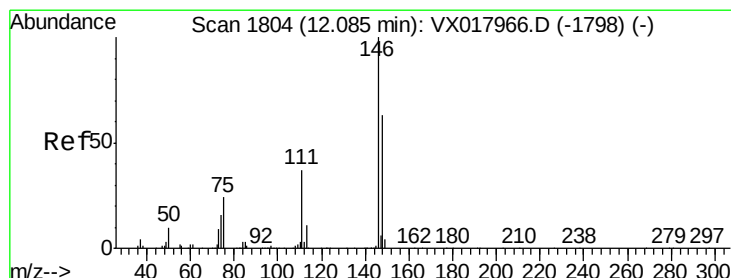
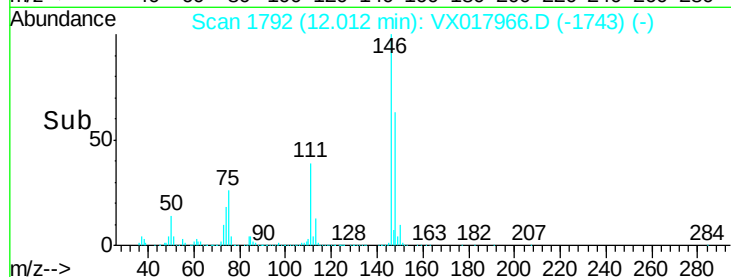
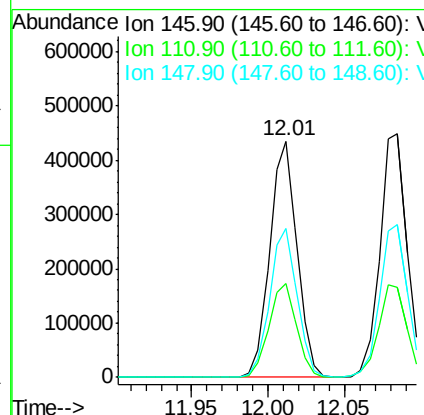
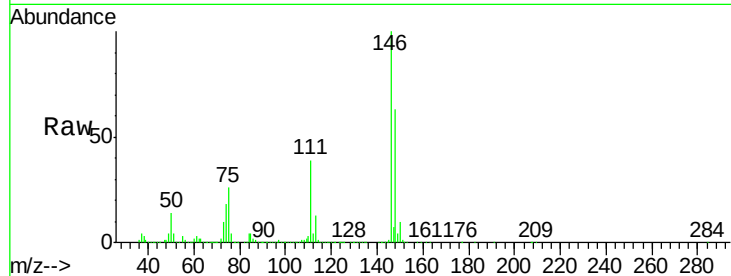
#87
 1,3-Dichlorobenzene
 Concen: 48.318 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017966.D
 Acq: 18 Aug 2020 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	63.3	31.6	95.0

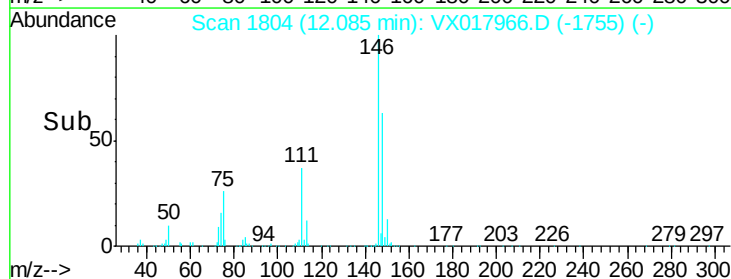
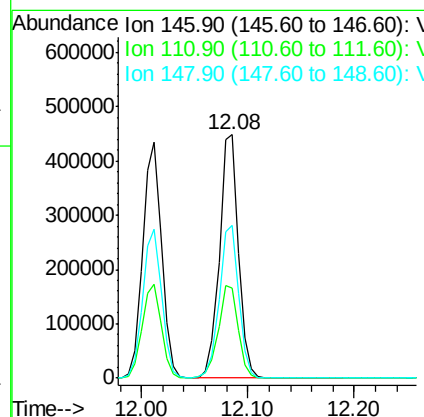
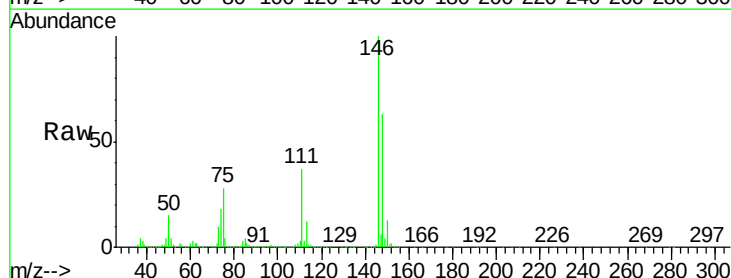
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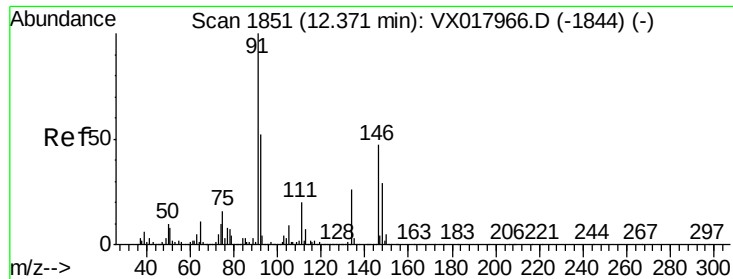
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#88
 1,4-Dichlorobenzene
 Concen: 47.422 ug/l
 RT: 12.08 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX017966.D
 Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	63.8	31.9	95.7





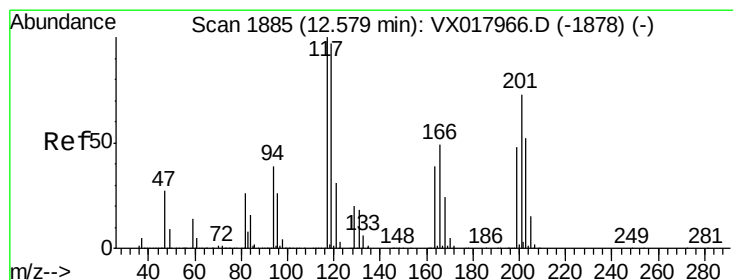
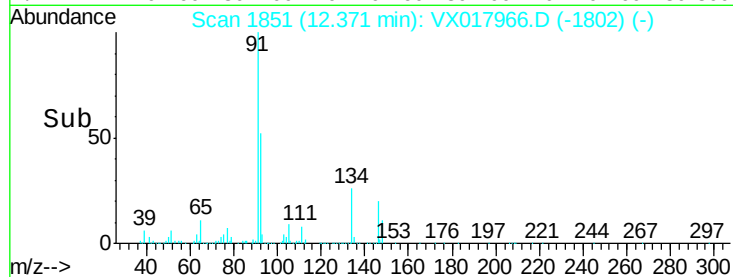
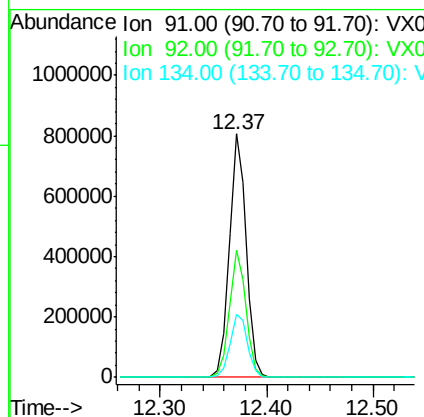
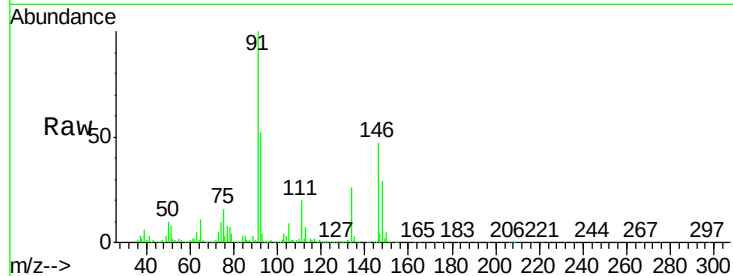
#89
n-Butylbenzene
Concen: 47.275 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.7	77.0
134	26.8	13.4	40.2

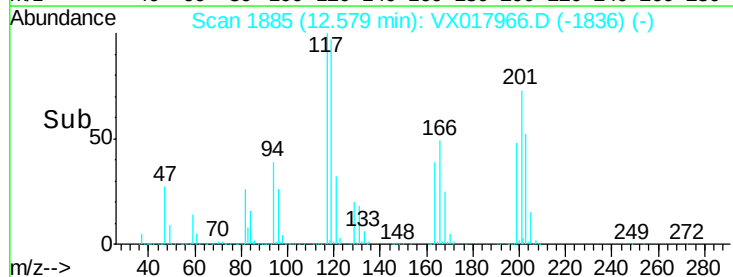
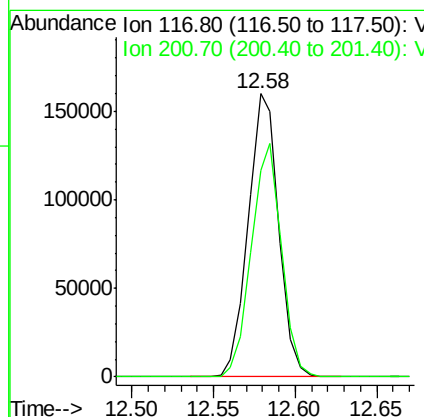
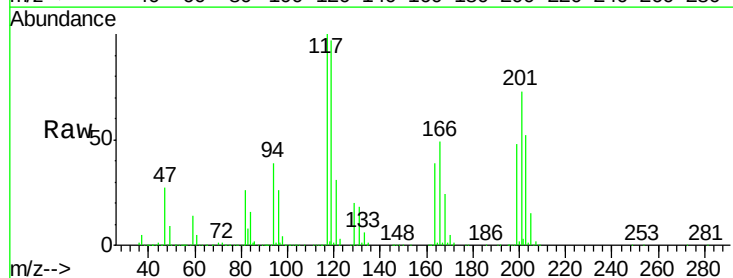
Manual Integrations
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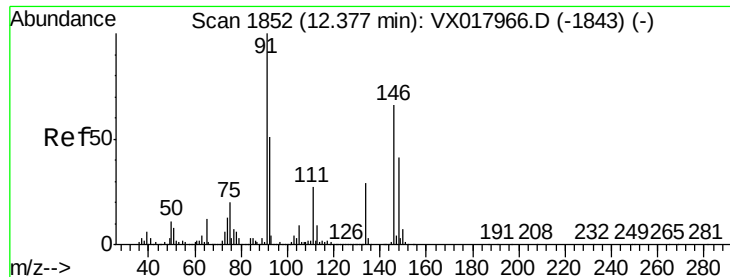
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#90
Hexachloroethane
Concen: 49.464 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	40.8	122.2





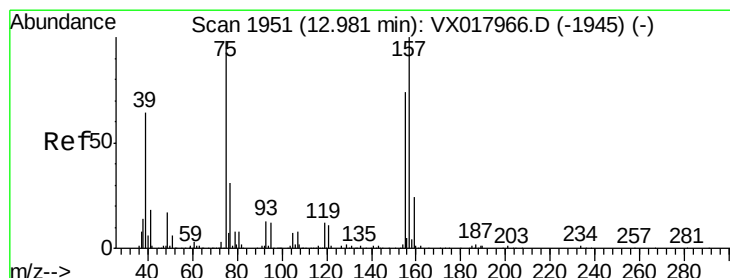
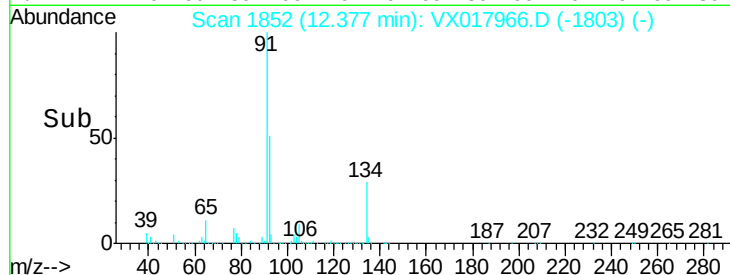
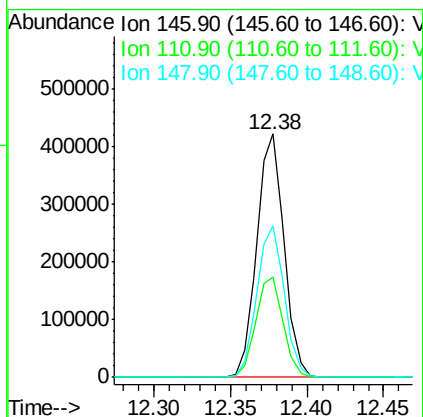
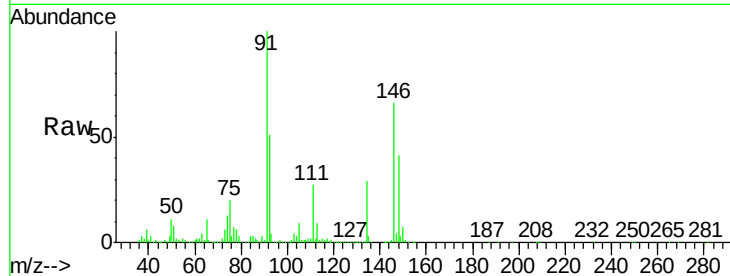
#91
 1,2-Dichlorobenzene
 Concen: 47.393 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017966.D
 Acq: 18 Aug 2020 18:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.6	61.9
148	62.4	31.2	93.6

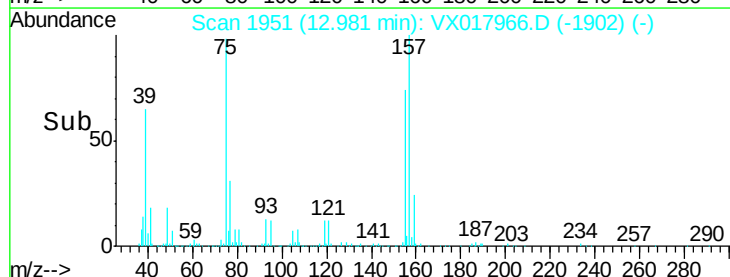
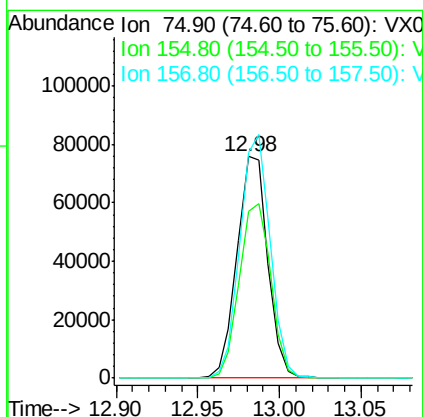
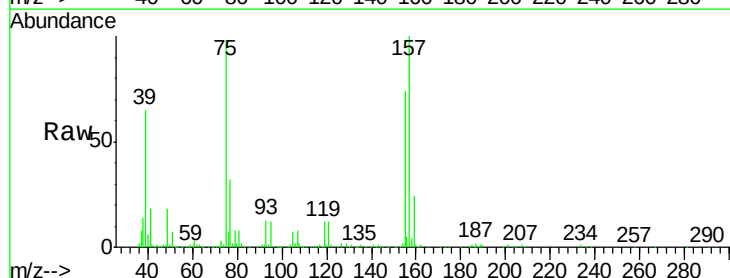
Manual Integrations
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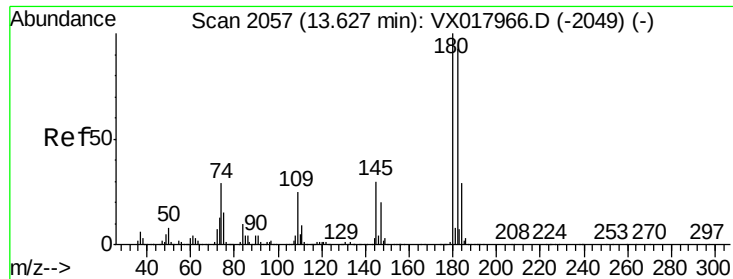
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.930 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017966.D
 Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	40.5	121.5
157	108.8	54.4	163.2





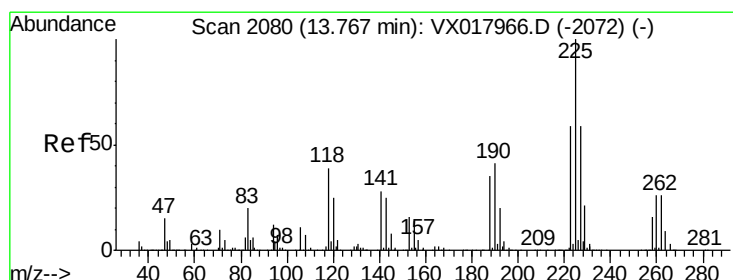
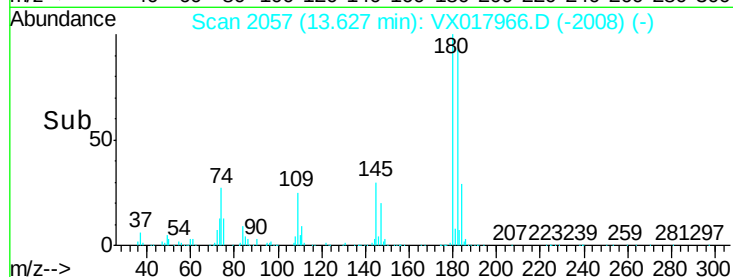
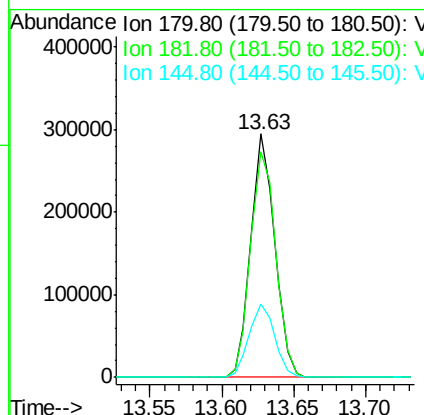
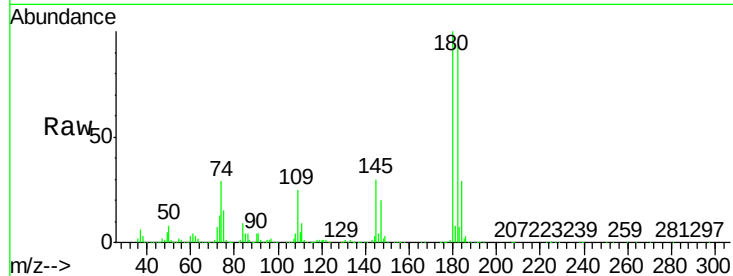
#93
1,2,4-Trichlorobenzene
Concen: 45.872 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:	180	Resp:	339814
Ion Ratio	Lower	Upper	
180	100		
182	97.6	48.8	146.4
145	32.0	16.0	48.0

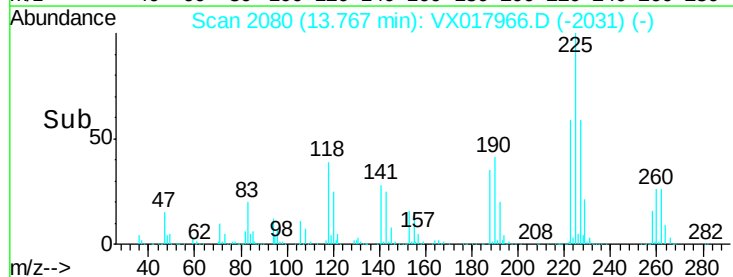
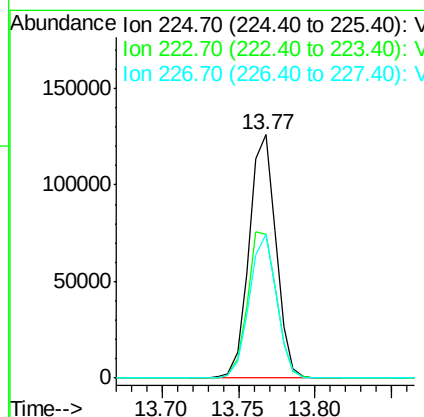
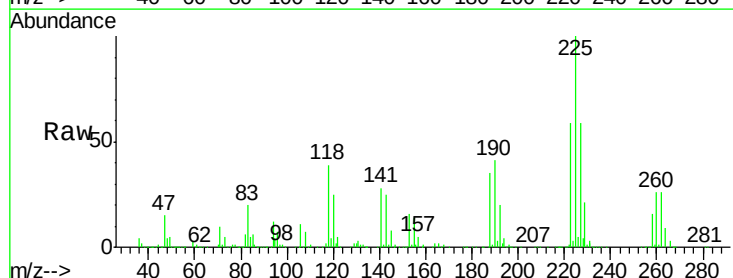
Manual Integrations
APPROVED

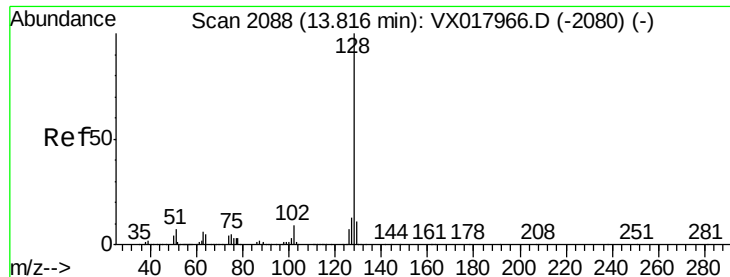
MMDadoda
8/19/2020 8:53:44 AM



#94
Hexachlorobutadiene
Concen: 45.062 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX017966.D
Acq: 18 Aug 2020 18:58

Tgt Ion:	225	Resp:	153359
Ion Ratio	Lower	Upper	
225	100		
223	64.2	32.1	96.3
227	59.7	29.8	89.5





#95

Naphthalene

Concen: 51.263 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 1141972

Ion Ratio Lower Upper

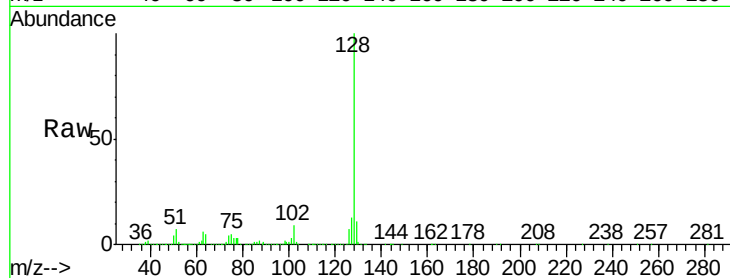
128 100

127 13.4 10.7 16.1

129 10.8 8.6 13.0

Manual Integrations
APPROVED

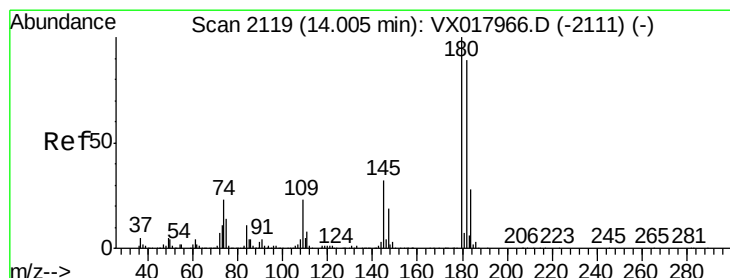
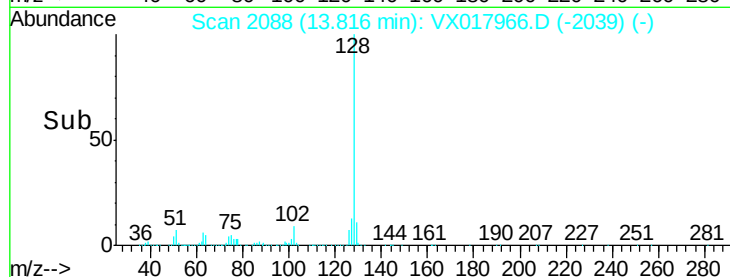
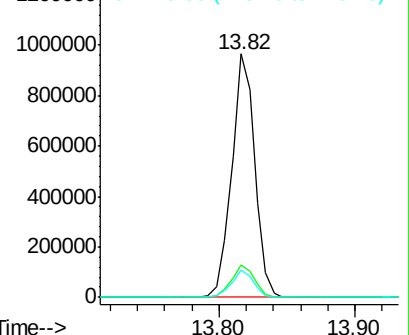
MMDadoda
8/19/2020 8:53:44 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.609 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX017966.D

Acq: 18 Aug 2020 18:58

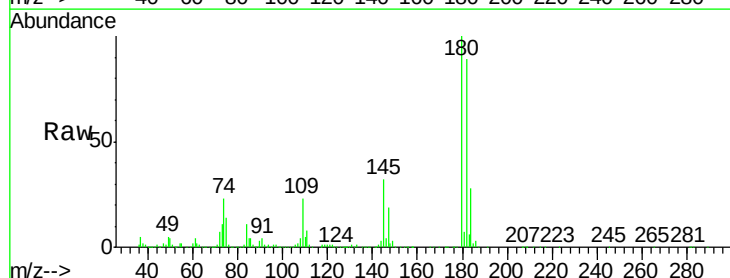
Tgt Ion:180 Resp: 367154

Ion Ratio Lower Upper

180 100

182 93.2 46.6 139.8

145 33.6 16.8 50.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

