

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017348.D
 Acq On : 13 Jul 2020 10:38
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:35:45 AM

Quant Time: Jul 13 12:23:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 13 11:59:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	300204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	452991	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	435251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	226074	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	21536	5.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.52%	
35) Dibromofluoromethane	5.47	113	17497	6.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.02%	
50) Toluene-d8	8.70	98	58169	5.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.78%	
62) 4-Bromofluorobenzene	11.12	95	21994	5.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.40%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.18	85	11330	3.932	ug/l 98
3) Chloromethane	1.32	50	13553	3.961	ug/l 99
4) Vinyl Chloride	1.39	62	13467	4.182	ug/l 99
5) Bromomethane	1.62	94	9874	5.594	ug/l 98
6) Chloroethane	1.71	64	8778	4.576	ug/l 96
7) Trichlorofluoromethane	1.92	101	23781	4.877	ug/l 92
8) Diethyl Ether	2.17	74	8399	4.771	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	13382	4.658	ug/l 96
10) Methyl Iodide	2.49	142	11839	3.230	ug/l 99
11) Tert butyl alcohol	3.02	59	15375	22.141	ug/l 96
12) 1,1-Dichloroethene	2.35	96	13680	4.664	ug/l 91
13) Acrolein	2.27	56	7178	17.418	ug/l 91
14) Allyl chloride	2.71	41	23718	4.399	ug/l 97
15) Acrylonitrile	3.12	53	38365	22.887	ug/l 98
16) Acetone	2.42	43	32729	23.805	ug/l 99
17) Carbon Disulfide	2.55	76	39158	4.351	ug/l 98
18) Methyl Acetate	2.75	43	17034	4.787	ug/l 95
19) Methyl tert-butyl Ether	3.17	73	45075	4.557	ug/l 100
20) Methylene Chloride	2.83	84	16669	4.775	ug/l 92
21) trans-1,2-Dichloroethene	3.14	96	15662	4.782	ug/l 88
22) Diisopropyl ether	3.82	45	45219	4.535	ug/l 94
23) Vinyl Acetate	3.79	43	193688	22.517	ug/l 97
24) 1,1-Dichloroethane	3.67	63	27468	4.820	ug/l 95
25) 2-Butanone	4.64	43	52696	23.166	ug/l 94
26) 2,2-Dichloropropane	4.55	77	25715	5.026	ug/l 99
27) cis-1,2-Dichloroethene	4.56	96	16747	4.539	ug/l 95
28) Bromochloromethane	4.98	49	12206	4.417	ug/l # 7
29) Tetrahydrofuran	5.10	42	33501	22.387	ug/l 99
30) Chloroform	5.18	83	29137	4.946	ug/l 94
31) Cyclohexane	5.55	56	20322	4.168	ug/l 97
32) 1,1,1-Trichloroethane	5.47	97	26390	4.842	ug/l 95
36) 1,1-Dichloropropene	5.77	75	21157	4.940	ug/l 98
37) Ethyl Acetate	4.80	43	20133	4.659	ug/l # 93
38) Carbon Tetrachloride	5.76	117	24327	5.105	ug/l 96

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 Data File : VX071348.D
 Acq On : 13 Jul 2020 10:38
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:35:45 AM

Quant Time: Jul 13 12:23:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 13 11:59:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	21464	4.526	ug/l	99
40) Benzene	6.12	78	60664	4.836	ug/l	99
41) Methacrylonitrile	5.01	41	11213	4.610	ug/l	96
42) 1,2-Dichloroethane	6.17	62	23495	5.129	ug/l	99
43) Isopropyl Acetate	6.42	43	32186	4.476	ug/l	98
44) Trichloroethene	7.19	130	18784	4.935	ug/l	99
45) 1,2-Dichloropropane	7.49	63	14890	4.624	ug/l	98
46) Dibromomethane	7.63	93	11474	5.185	ug/l	98
47) Bromodichloromethane	7.88	83	23588	5.160	ug/l #	99
48) Methyl methacrylate	7.74	41	15130	4.433	ug/l	95
49) 1,4-Dioxane	7.71	88	6809	88.878	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	101787	23.691	ug/l	99
52) Toluene	8.77	92	38258	4.861	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	23707	4.704	ug/l	92
54) cis-1,3-Dichloropropene	8.41	75	26023	4.827	ug/l	91
55) 1,1,2-Trichloroethane	9.20	97	16080	4.978	ug/l	95
56) Ethyl methacrylate	9.16	69	20408	4.455	ug/l	98
57) 1,3-Dichloropropane	9.35	76	26464	4.859	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.29	63	53256	23.269	ug/l	98
59) 2-Hexanone	9.48	43	75424	23.904	ug/l	96
60) Dibromochloromethane	9.57	129	19625	5.190	ug/l	97
61) 1,2-Dibromoethane	9.65	107	17441	5.016	ug/l	98
64) Tetrachloroethene	9.32	164	19855	5.573	ug/l	91
65) Chlorobenzene	10.12	112	43625	4.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	17739	5.086	ug/l	98
67) Ethyl Benzene	10.23	91	70956	4.735	ug/l	99
68) m/p-Xylenes	10.34	106	54155	9.413	ug/l	99
69) o-Xylene	10.68	106	25352	4.618	ug/l	97
70) Styrene	10.69	104	42934	4.599	ug/l	99
71) Bromoform	10.84	173	14044	5.041	ug/l #	99
73) Isopropylbenzene	11.00	105	69698	4.727	ug/l	100
74) N-amyl acetate	10.88	43	26169	4.210	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	21782	4.724	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	22065m	5.013	ug/l	
77) Bromobenzene	11.24	156	19631	4.805	ug/l	91
78) n-propylbenzene	11.34	91	76809	4.604	ug/l	98
79) 2-Chlorotoluene	11.40	91	49731	4.925	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	57656	4.709	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	7835	4.624	ug/l	93
82) 4-Chlorotoluene	11.49	91	57249	4.736	ug/l	98
83) tert-Butylbenzene	11.76	119	54302	4.513	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	58126	4.669	ug/l	99
85) sec-Butylbenzene	11.93	105	65151	4.610	ug/l	100
86) p-Isopropyltoluene	12.05	119	60594	4.612	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	35771	4.815	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	38251	5.047	ug/l	95
89) n-Butylbenzene	12.37	91	50648	4.333	ug/l	99
90) Hexachloroethane	12.58	117	11944	4.622	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	34536	5.001	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	5377	4.829	ug/l	98

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Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

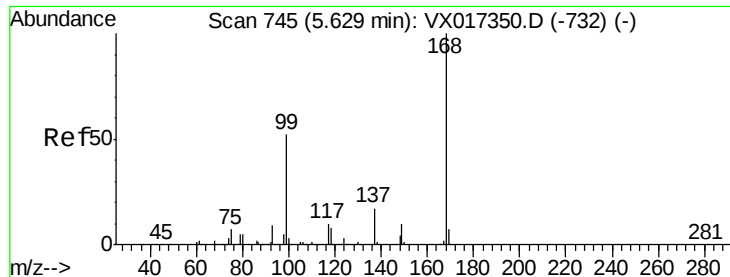
Manual Integrations
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7/14/2020 11:35:45 AM

Quant Time: Jul 13 12:23:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 13 11:59:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	21897	4.626	ug/l	97
94) Hexachlorobutadiene	13.76	225	9754	5.039	ug/l	97
95) Naphthalene	13.82	128	60980	4.284	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	21559	4.717	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 300204

Ion Ratio Lower Upper

168 100

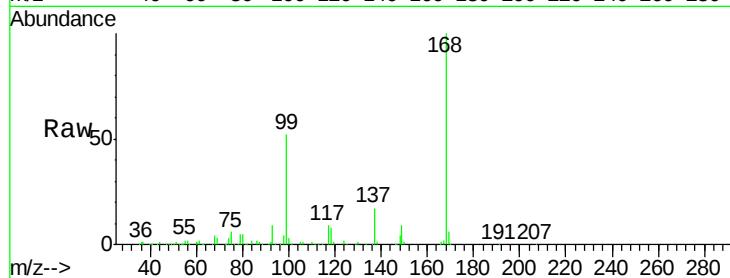
99 51.7 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

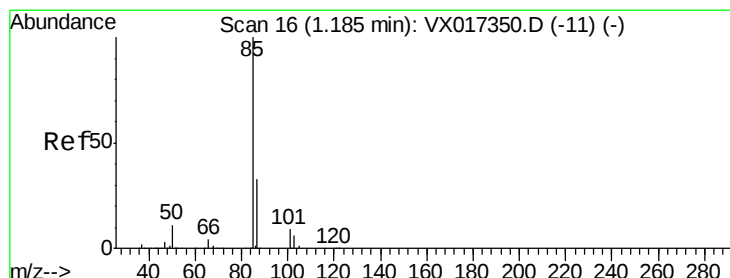
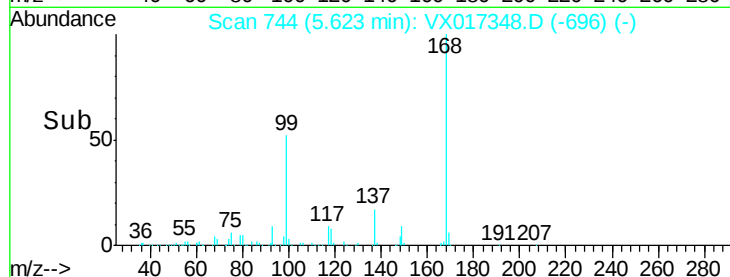
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.932 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017348.D

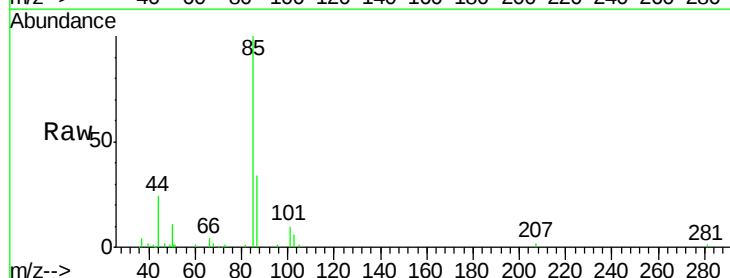
Acq: 13 Jul 2020 10:38

Tgt Ion: 85 Resp: 11330

Ion Ratio Lower Upper

85 100

87 33.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

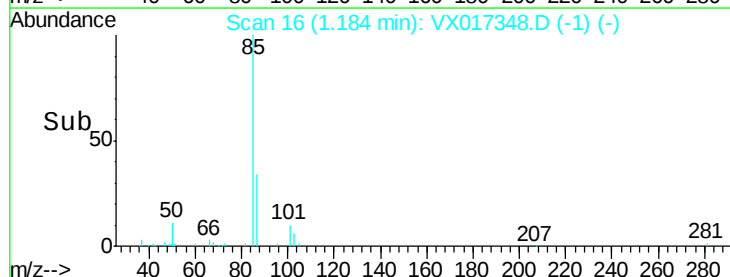
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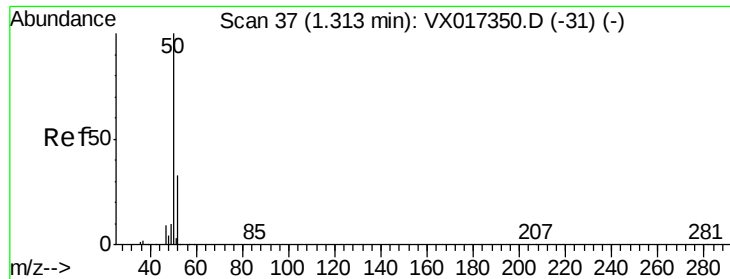
10000

5000

0

Time-->





#3

Chloromethane

Concen: 3.961 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 13553

Ion Ratio Lower Upper

50 100

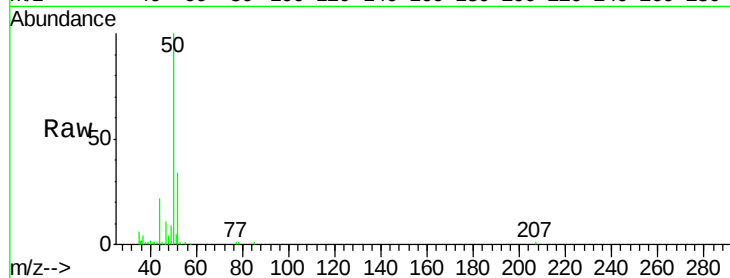
52 33.9 26.7 40.1

Manual Integrations

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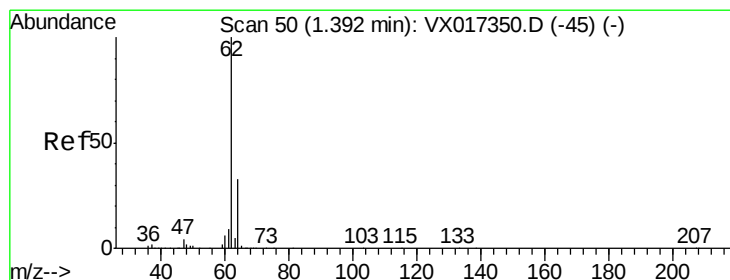
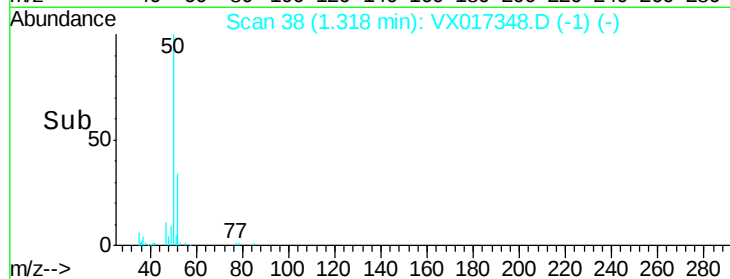
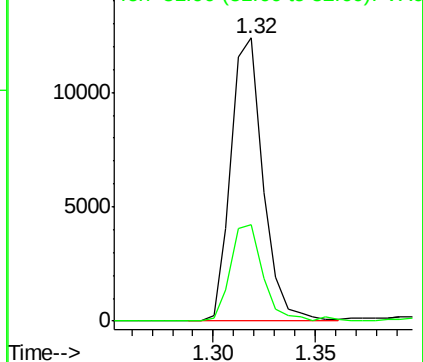
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 4.182 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017348.D

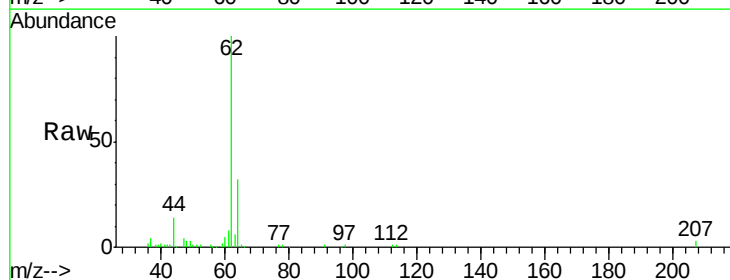
Acq: 13 Jul 2020 10:38

Tgt Ion: 62 Resp: 13467

Ion Ratio Lower Upper

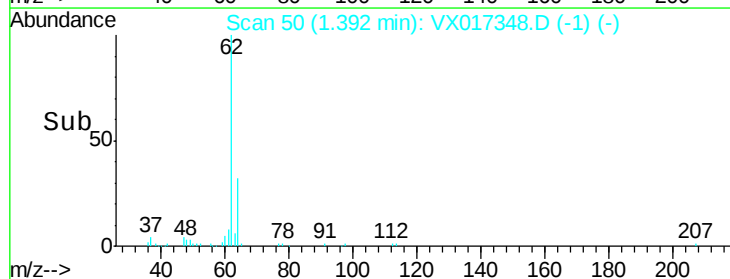
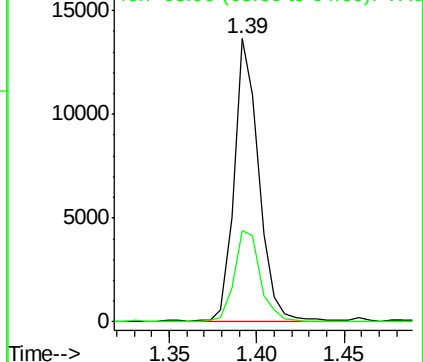
62 100

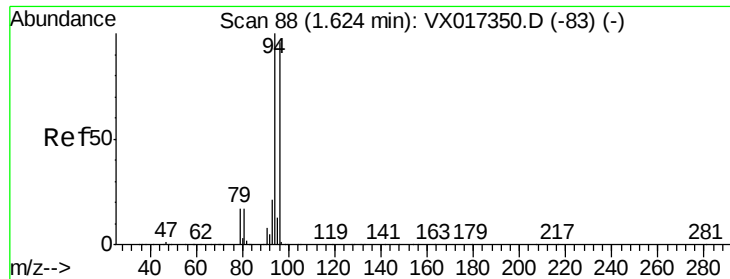
64 32.1 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 5.594 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9874

Ion Ratio Lower Upper

94 100

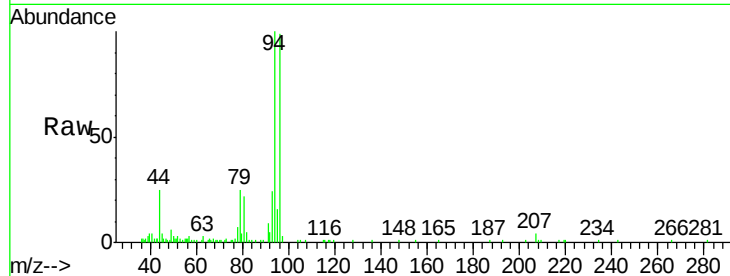
96 97.5 76.6 115.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

8000

6000

4000

2000

0

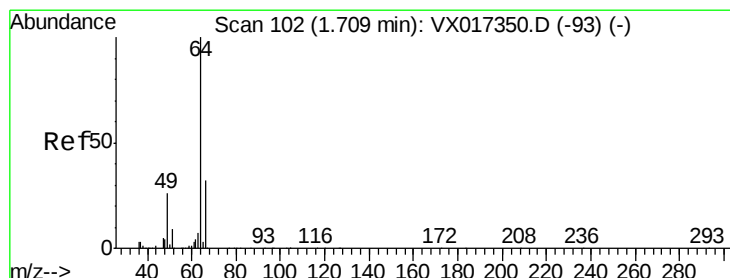
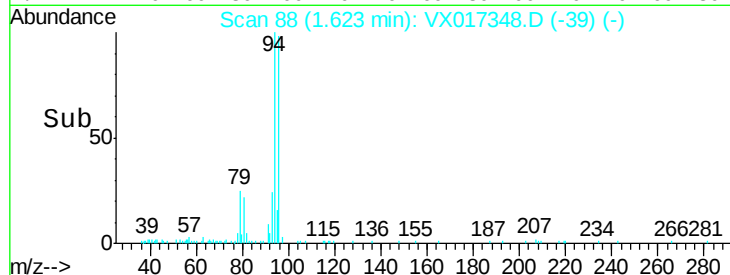
Time-->

1.55

1.60

1.65

1.70



#6

Chloroethane

Concen: 4.576 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017348.D

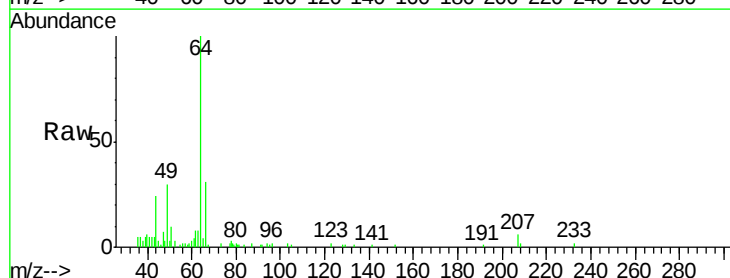
Acq: 13 Jul 2020 10:38

Tgt Ion: 64 Resp: 8778

Ion Ratio Lower Upper

64 100

66 29.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

6000

4000

2000

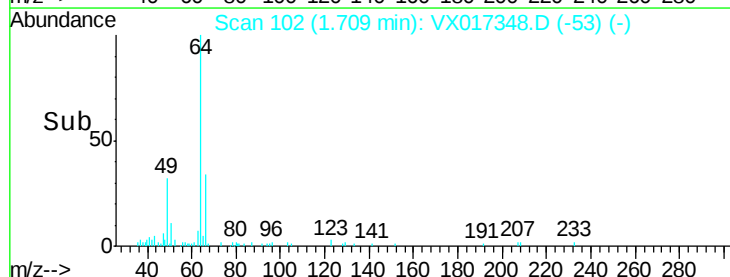
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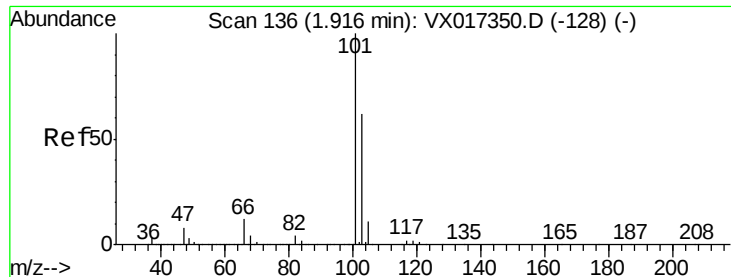
Time-->

1.60

1.70

1.80





#7

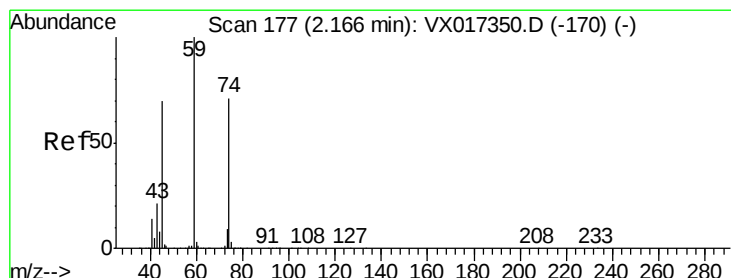
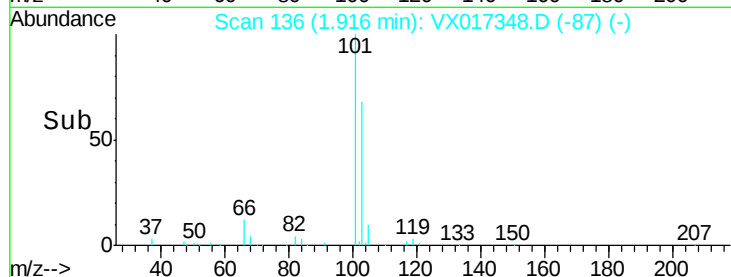
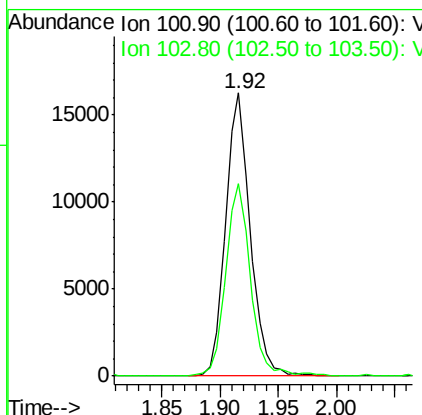
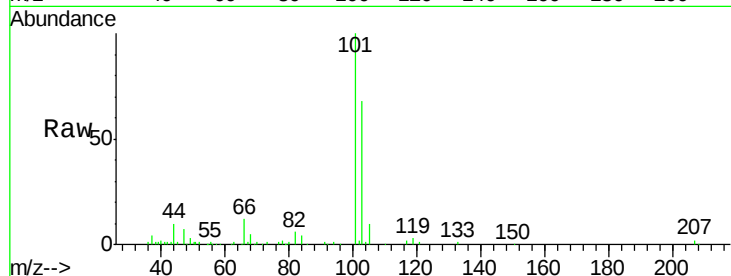
Trichlorofluoromethane
Concen: 4.877 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.0	49.6	74.4

Manual Integrations
APPROVED

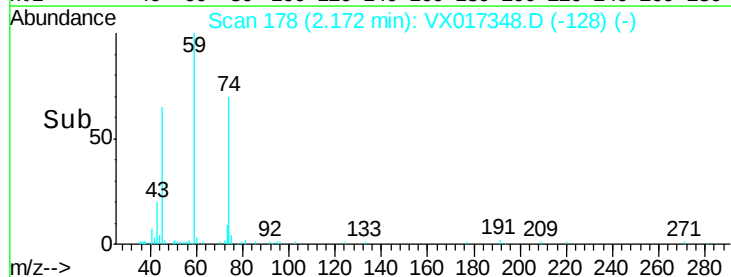
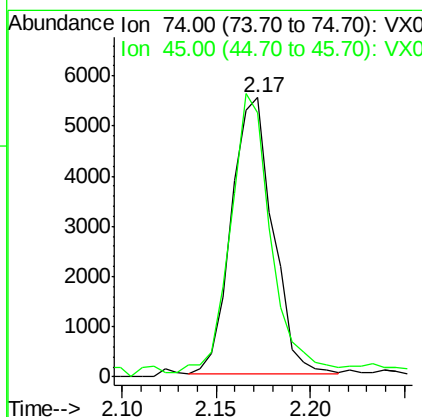
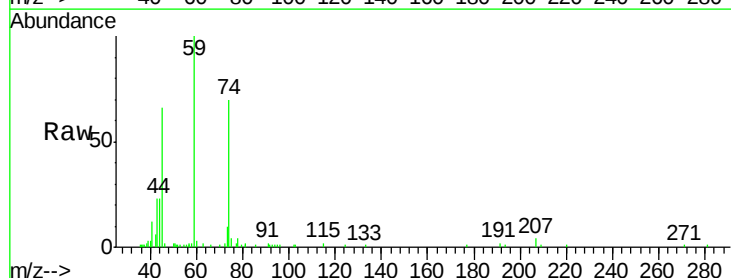
MMDadoda
7/14/2020 11:35:45 AM

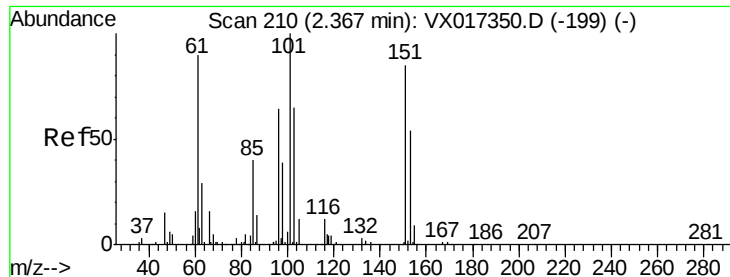


#8

Diethyl Ether
Concen: 4.771 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.658 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

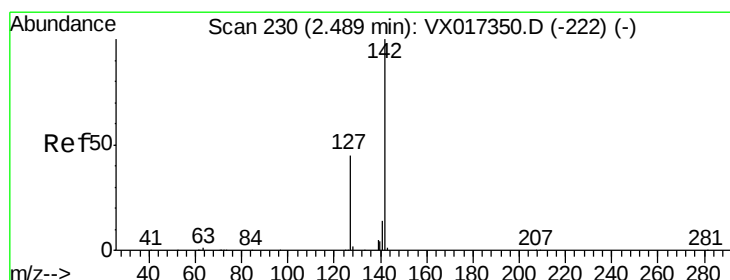
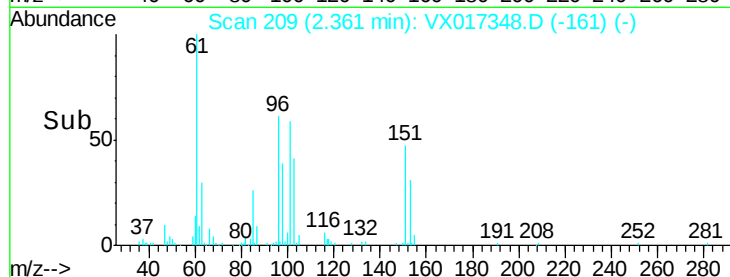
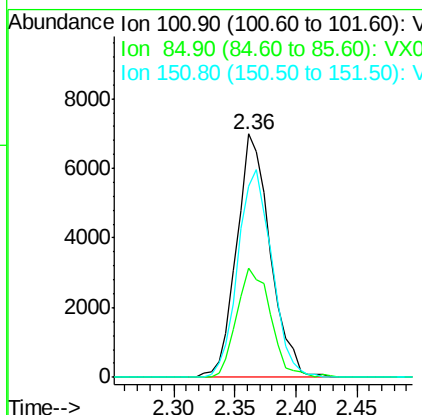
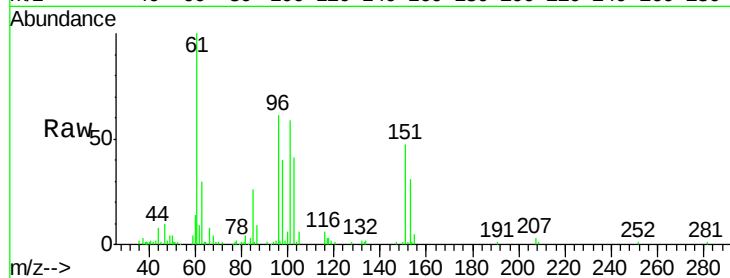
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	13382
Ion Ratio	Lower	Upper	
101	100		
85	45.0	33.7	50.5
151	86.1	66.4	99.6

Manual Integrations
APPROVED

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7/14/2020 11:35:45 AM



#10

Methyl Iodide

Concen: 3.230 ug/l

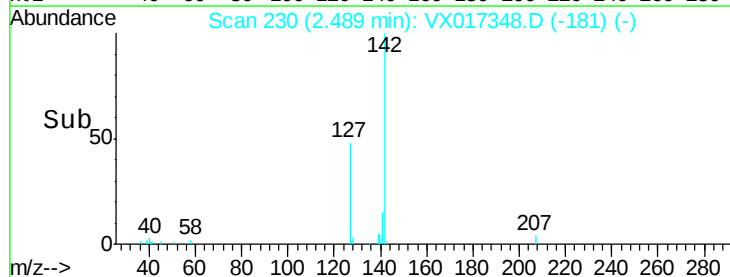
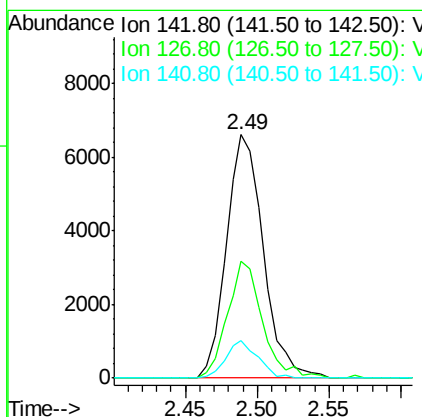
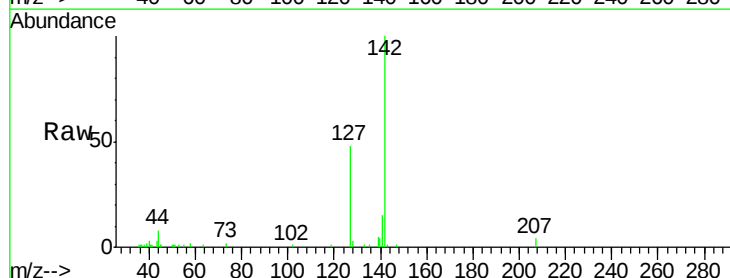
RT: 2.49 min Scan# 230

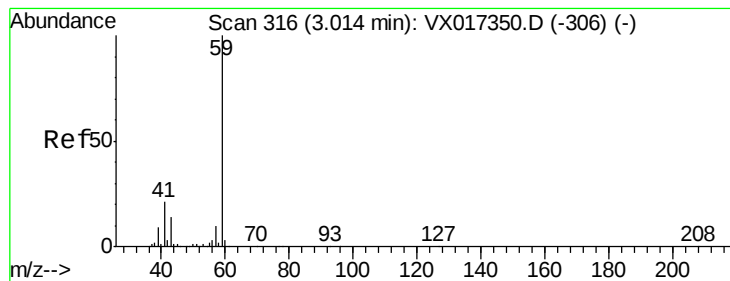
Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Tgt Ion:	142	Resp:	11839
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.8	55.2
141	13.6	11.4	17.0





#11

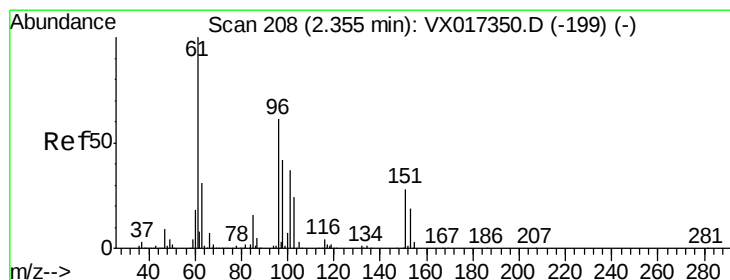
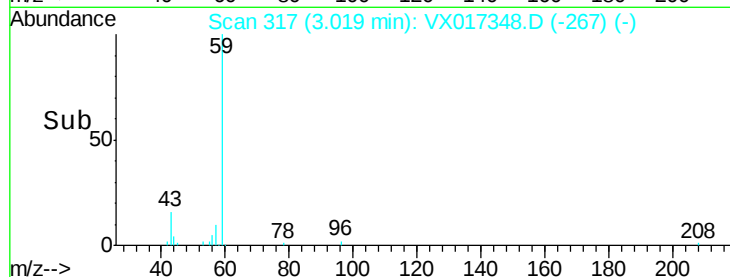
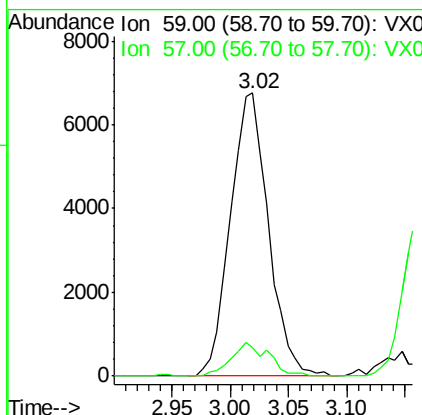
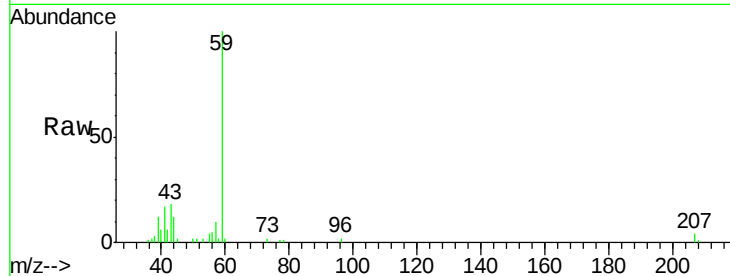
Tert butyl alcohol
Concen: 22.141 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.3	12.5

Manual Integrations
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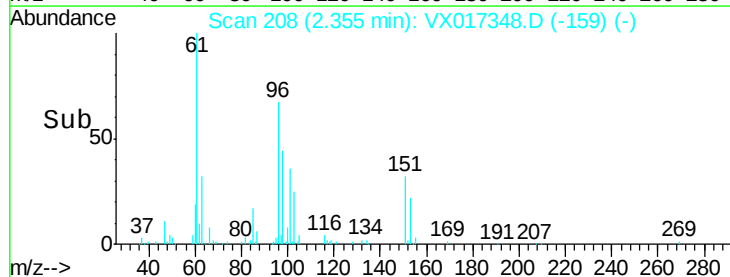
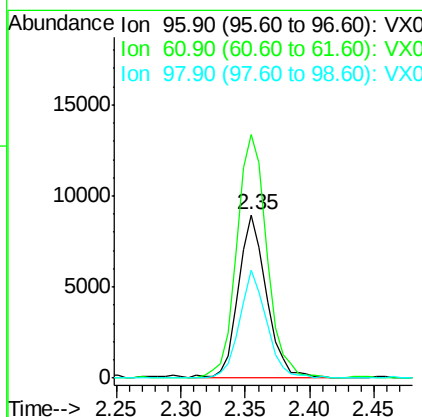
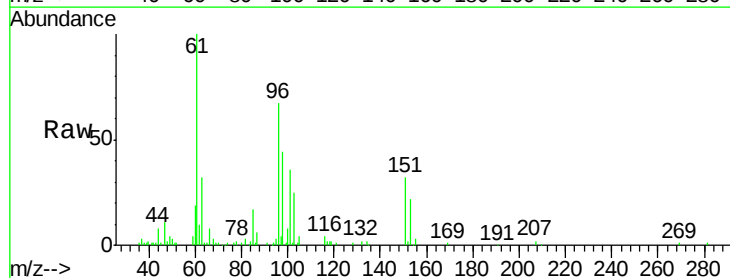
MMDadoda
7/14/2020 11:35:45 AM

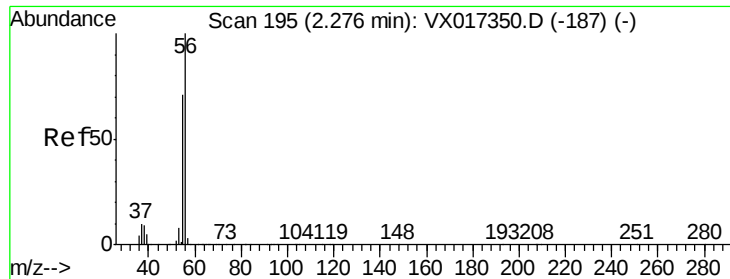


#12

1,1-Dichloroethene
Concen: 4.664 ug/l
RT: 2.35 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.0	131.5	197.3
98	65.9	55.1	82.7





#13

Acrolein

Concen: 17.418 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7178

Ion Ratio Lower Upper

56 100

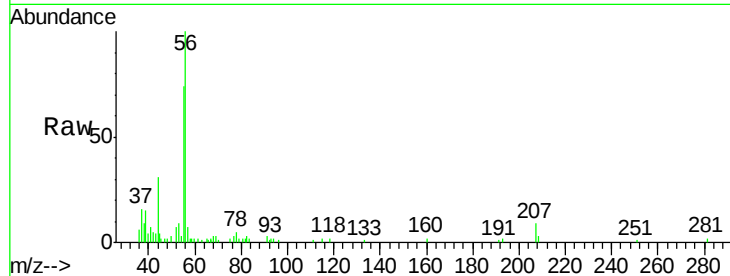
55 78.7 57.1 85.7

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

5000

4000

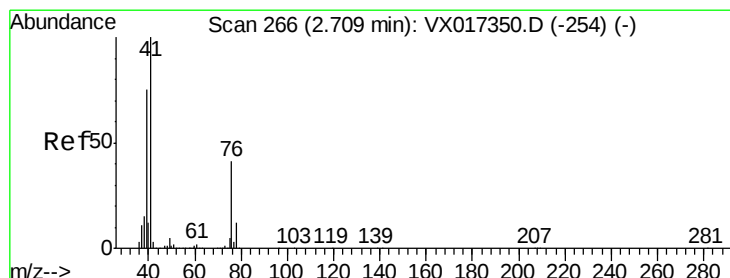
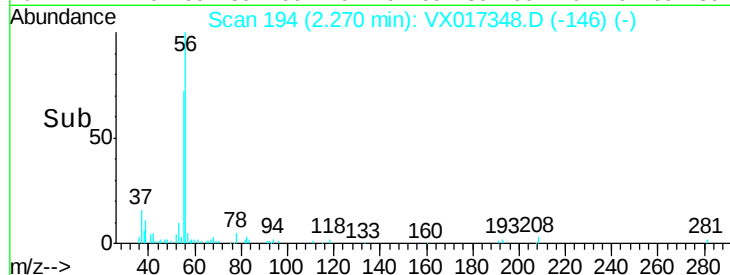
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 4.399 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

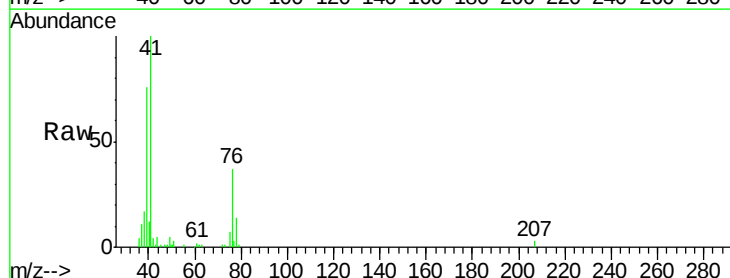
Tgt Ion: 41 Resp: 23718

Ion Ratio Lower Upper

41 100

39 62.9 53.0 79.4

76 34.9 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

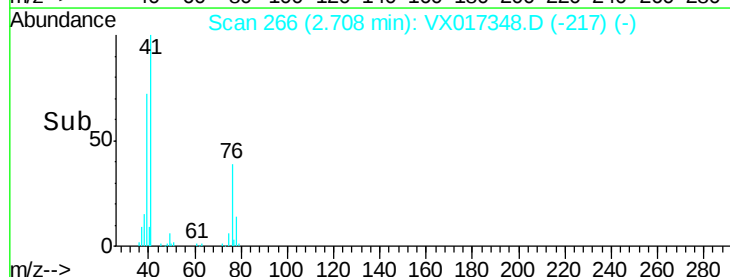
15000

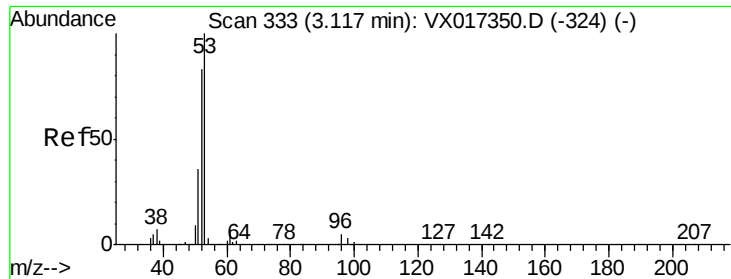
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 22.887 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

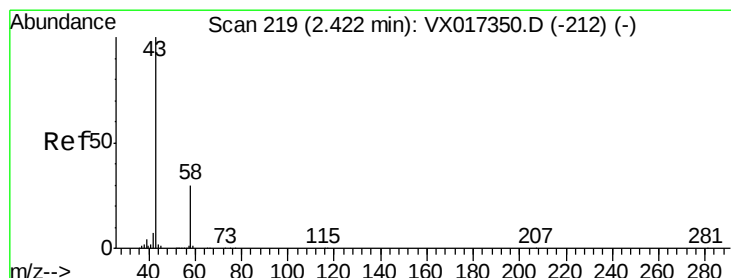
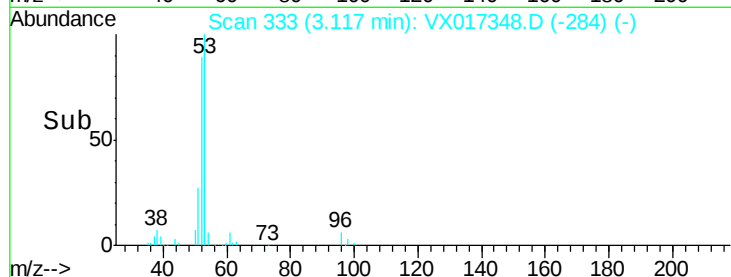
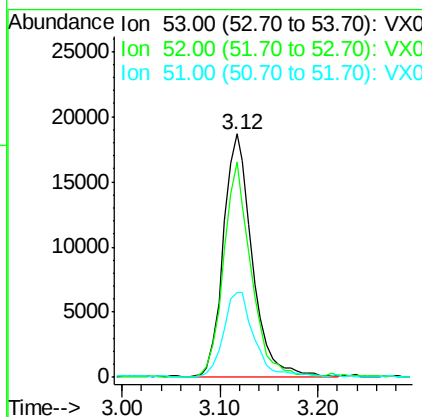
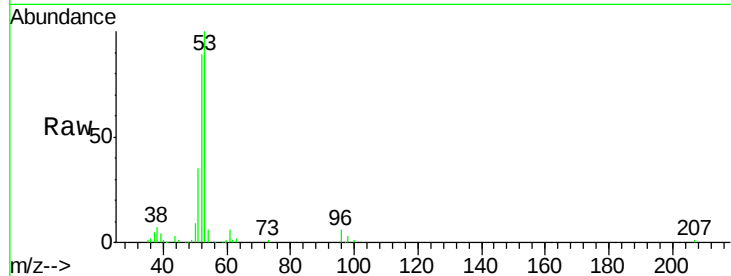
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	38365
Ion Ratio	Lower	Upper	
53	100		
52	84.4	65.8	98.6
51	37.3	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 23.805 ug/l

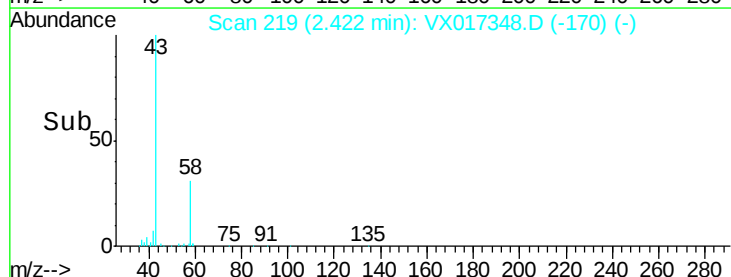
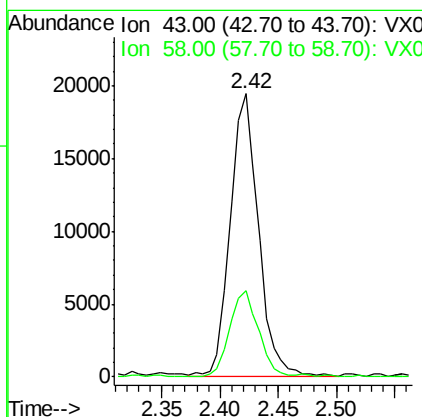
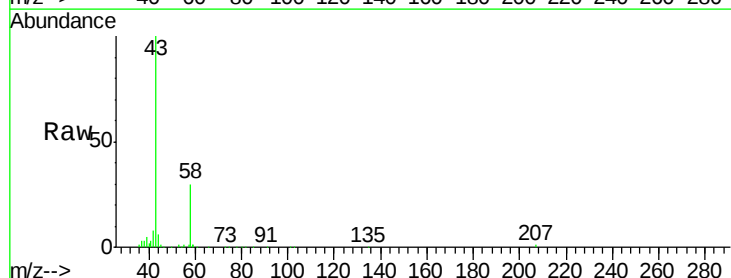
RT: 2.42 min Scan# 219

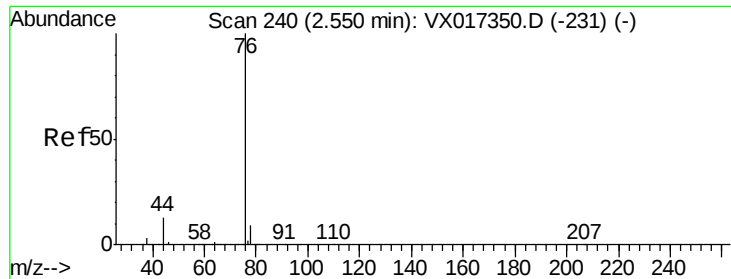
Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Tgt Ion:	43	Resp:	32729
Ion Ratio	Lower	Upper	
43	100		
58	30.5	24.2	36.2





#17

Carbon Disulfide

Concen: 4.351 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 39158

Ion Ratio Lower Upper

76 100

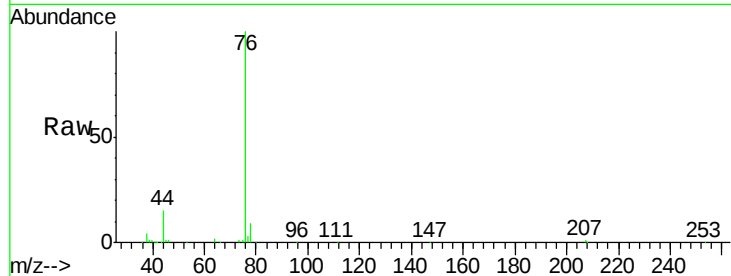
78 8.5 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

25000

20000

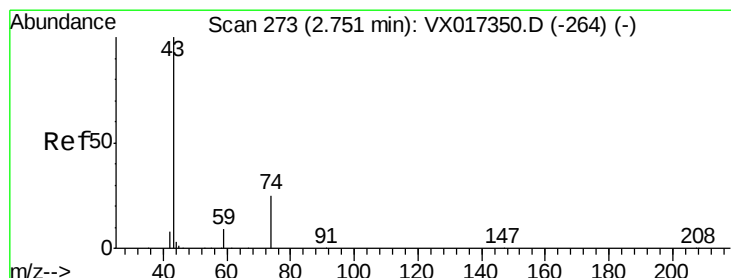
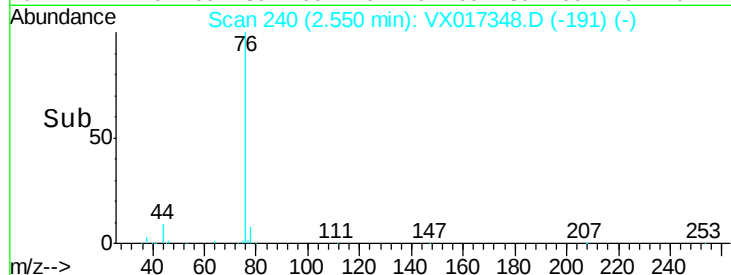
15000

10000

5000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 4.787 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX017348.D

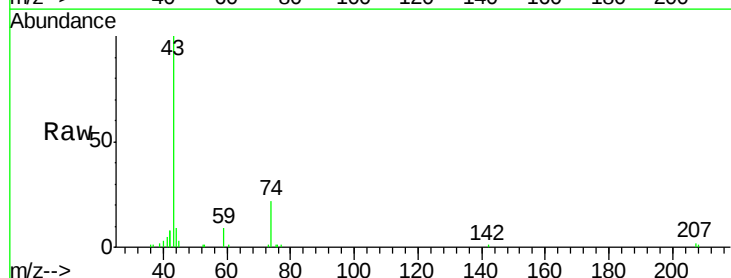
Acq: 13 Jul 2020 10:38

Tgt Ion: 43 Resp: 17034

Ion Ratio Lower Upper

43 100

74 22.1 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

10000

8000

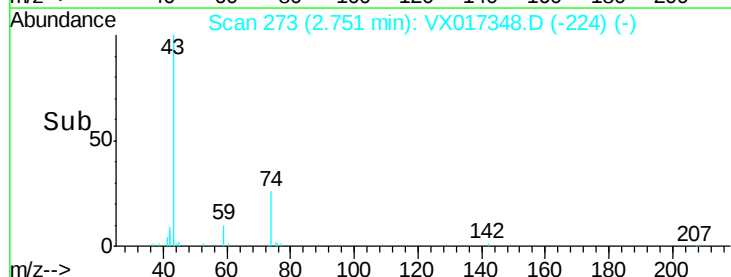
6000

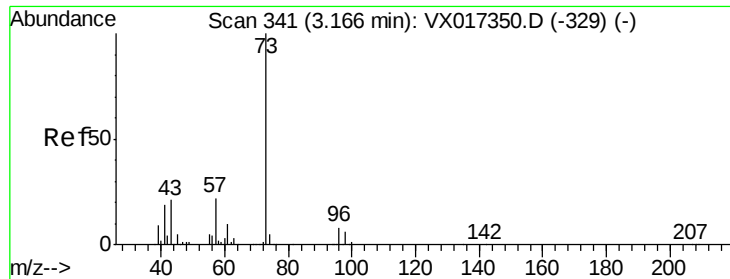
4000

2000

0

Time--> 2.65 2.70 2.75 2.80 2.85





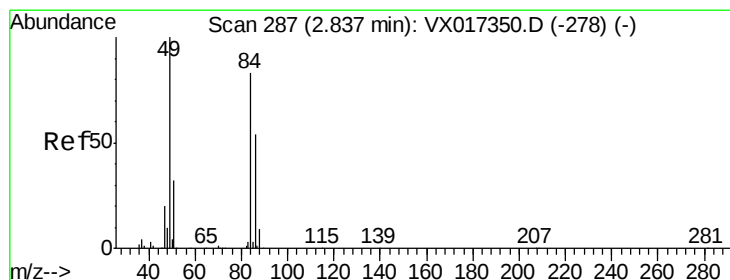
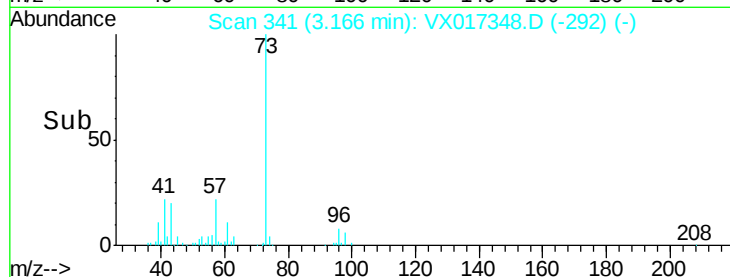
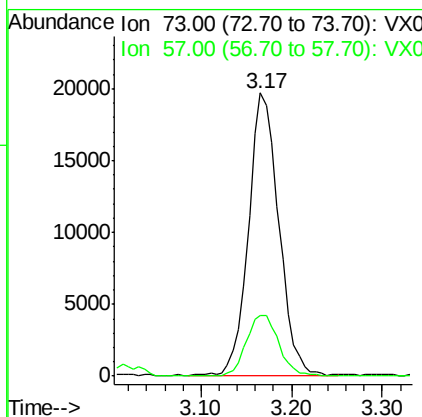
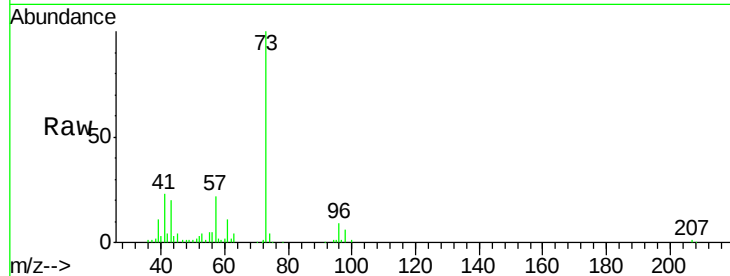
#19
Methyl tert-butyl Ether
Concen: 4.557 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 45075
Ion Ratio Lower Upper
73 100
57 21.7 17.5 26.3

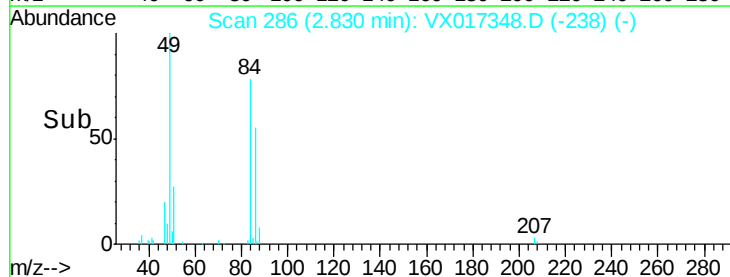
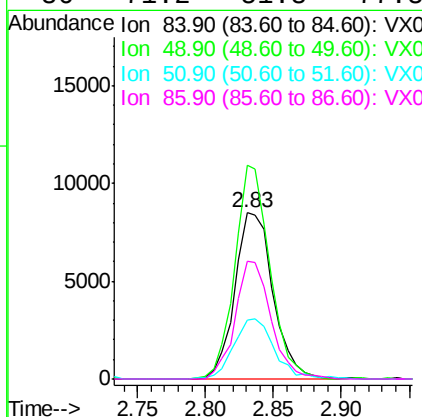
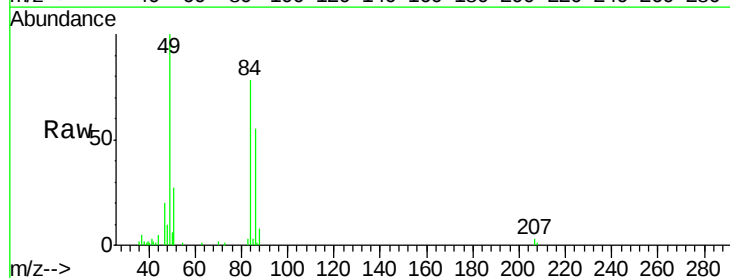
Manual Integrations
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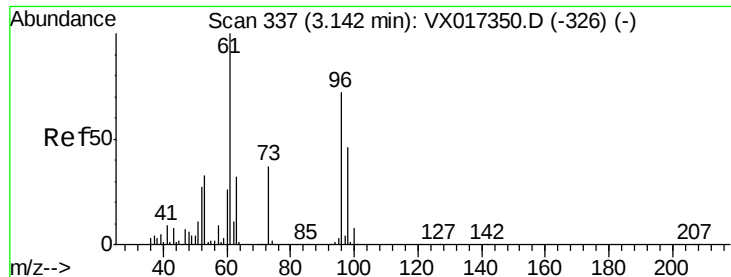
MMDadoda
7/14/2020 11:35:45 AM



#20
Methylene Chloride
Concen: 4.775 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion: 84 Resp: 16669
Ion Ratio Lower Upper
84 100
49 128.7 95.8 143.8
51 35.3 31.0 46.4
86 71.2 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 4.782 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

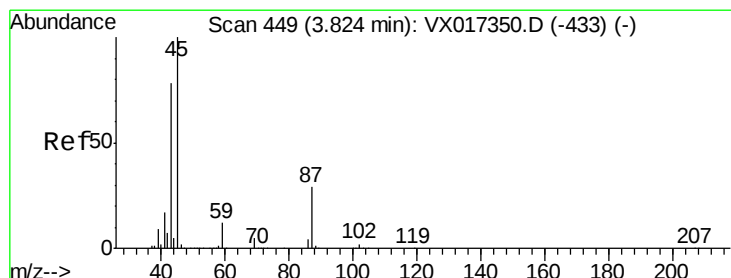
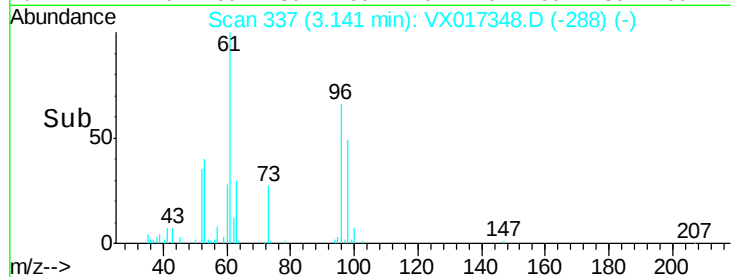
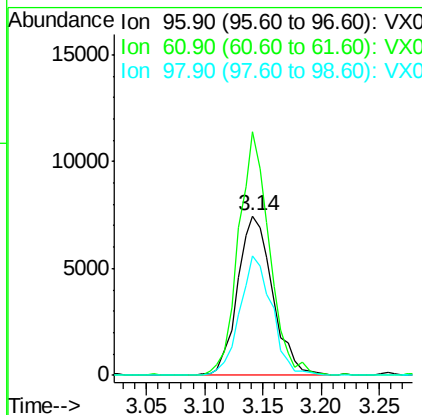
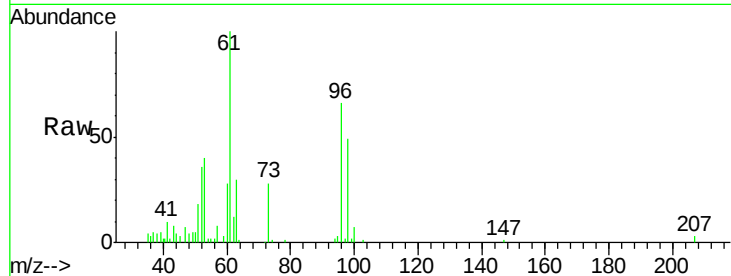
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	15662
Ion	Ratio	Lower	Upper
96	100		
61	152.6	111.1	166.7
98	74.9	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.535 ug/l

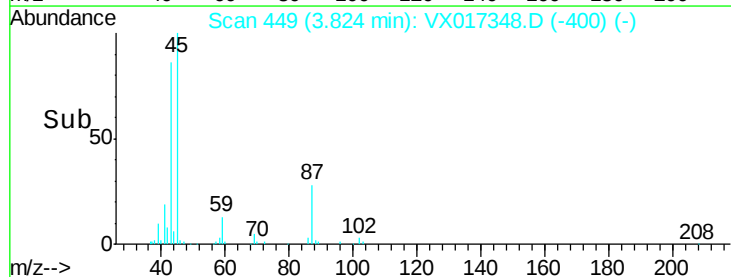
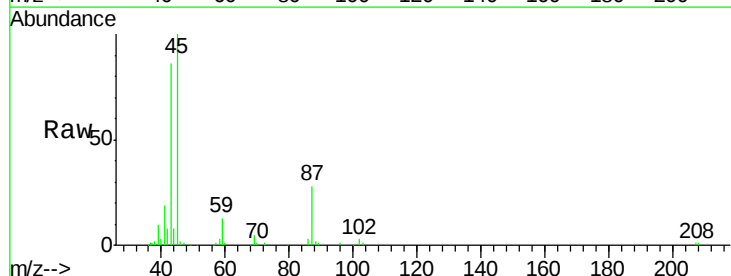
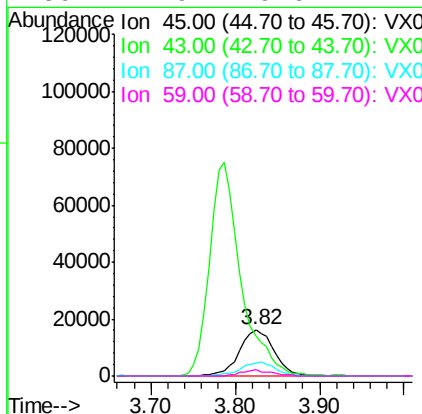
RT: 3.82 min Scan# 449

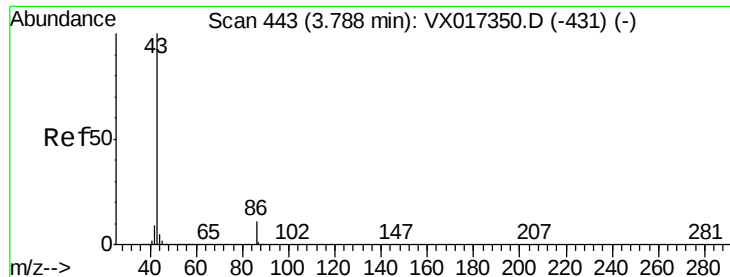
Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Tgt Ion:	45	Resp:	45219
Ion	Ratio	Lower	Upper
45	100		
43	84.8	62.2	93.2
87	28.5	23.0	34.6
59	12.9	9.6	14.4





#23

Vinyl Acetate

Concen: 22.517 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 193688

Ion Ratio Lower Upper

43 100

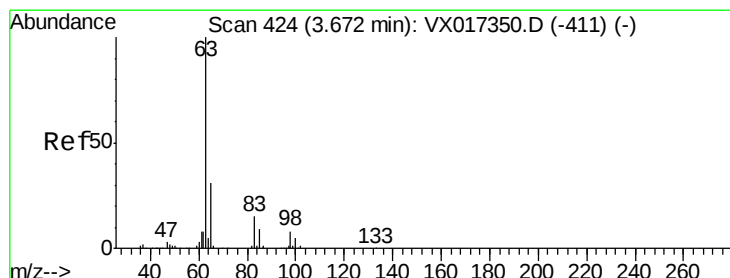
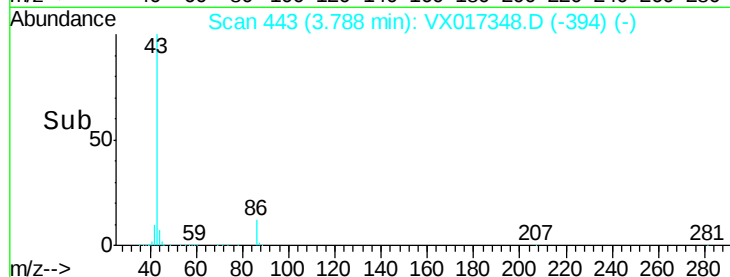
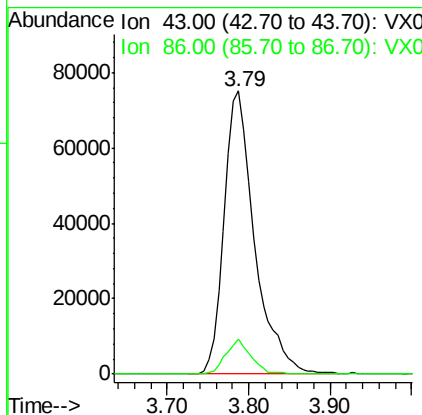
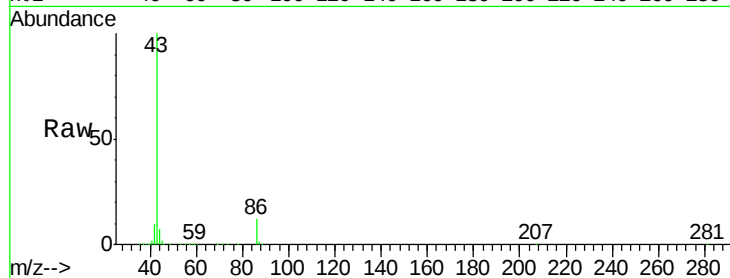
86 12.4 9.0 13.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 4.820 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

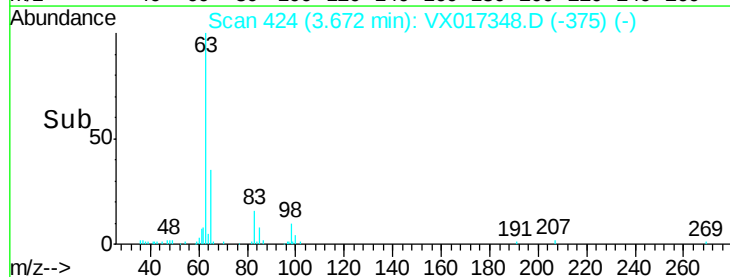
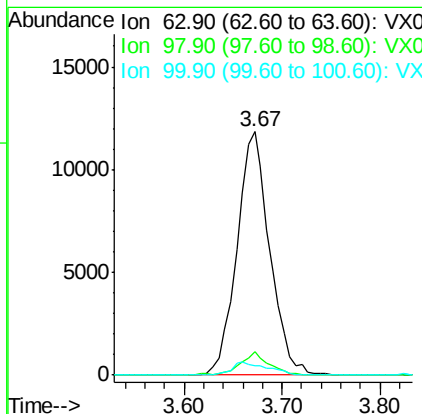
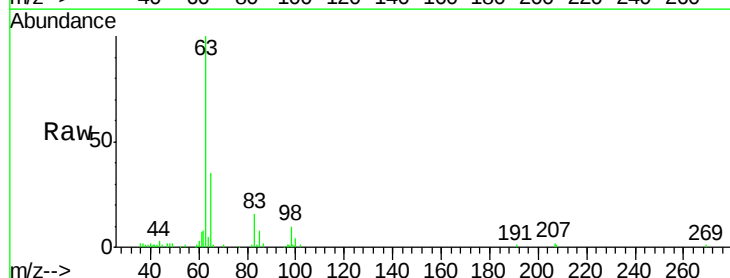
Tgt Ion: 63 Resp: 27468

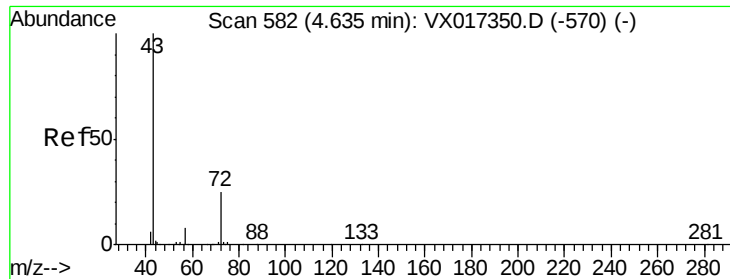
Ion Ratio Lower Upper

63 100

98 9.8 3.9 11.5

100 3.9 2.5 7.5





#25

2-Butanone

Concen: 23.166 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 52696

Ion Ratio Lower Upper

43 100

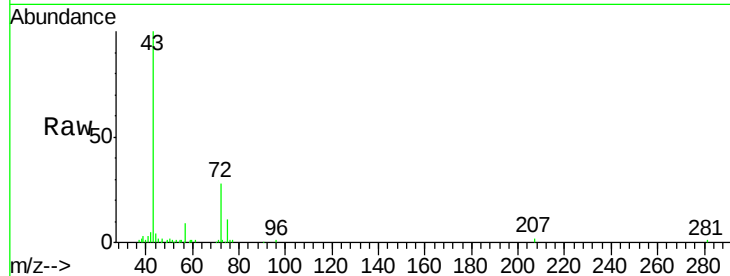
72 28.3 20.4 30.6

Manual Integrations

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MMDadoda

7/14/2020 11:35:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

20000

15000

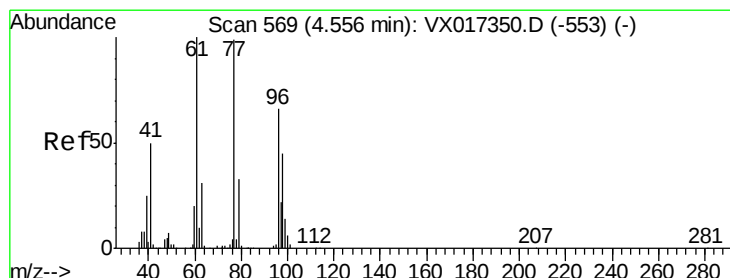
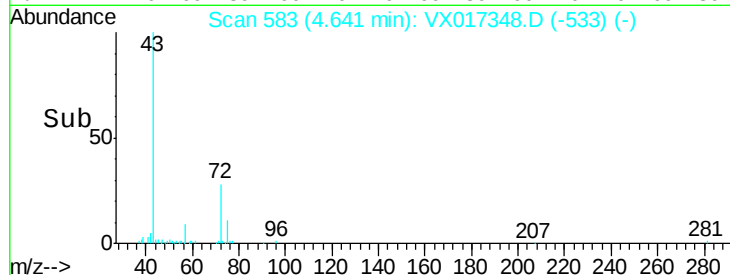
10000

5000

0

4.50 4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 5.026 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017348.D

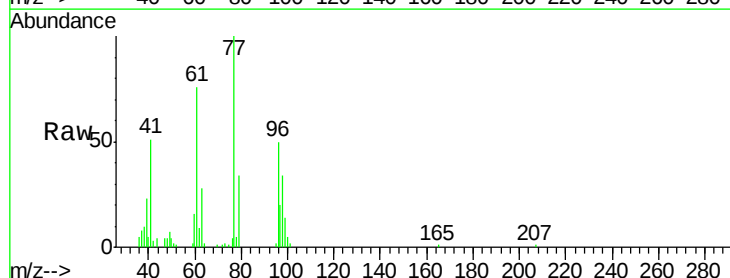
Acq: 13 Jul 2020 10:38

Tgt Ion: 77 Resp: 25715

Ion Ratio Lower Upper

77 100

97 22.9 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

10000

8000

6000

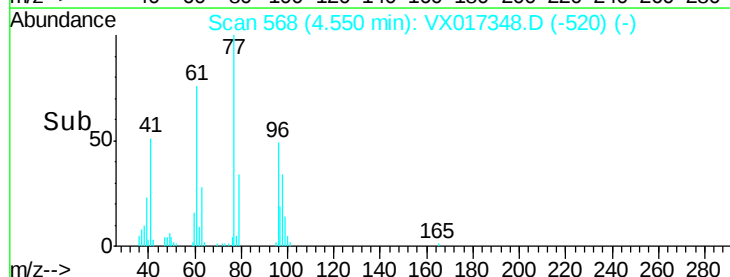
4000

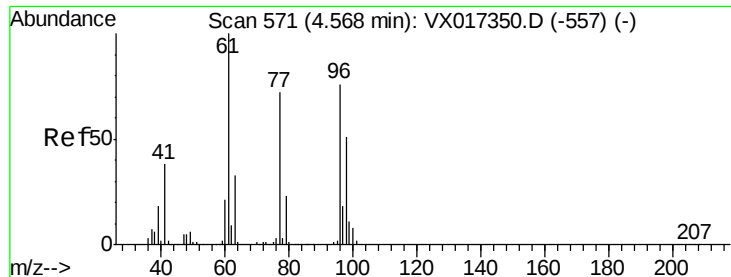
2000

0

4.40 4.50 4.60 4.70

Time-->





#27

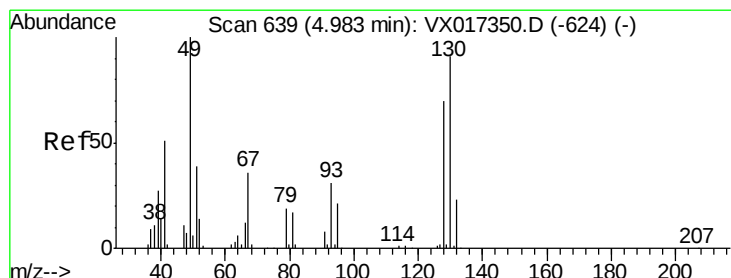
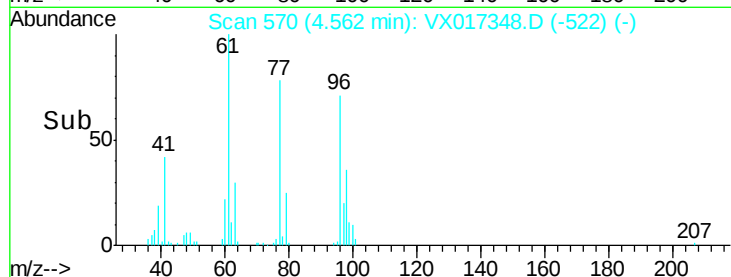
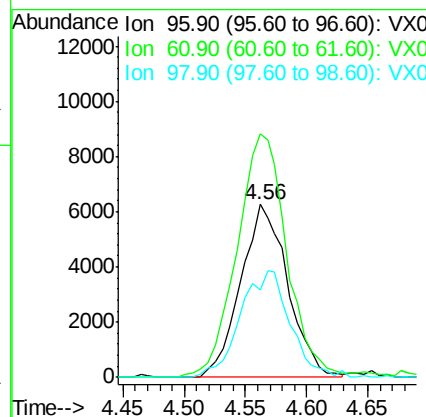
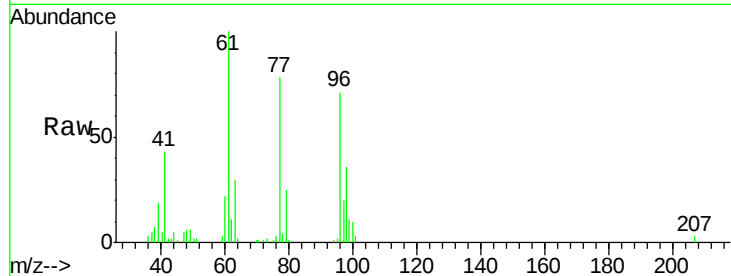
cis-1,2-Dichloroethene
Concen: 4.539 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	281.2
98	65.2	0.0	131.4

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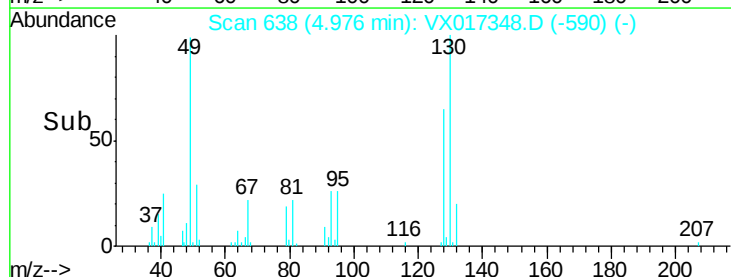
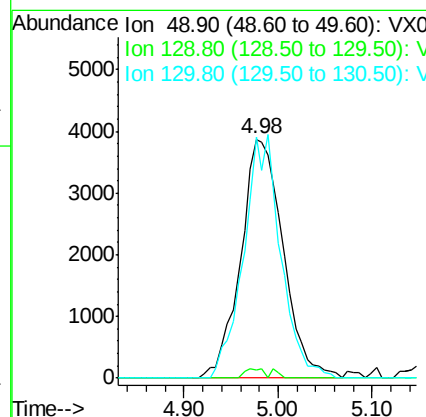
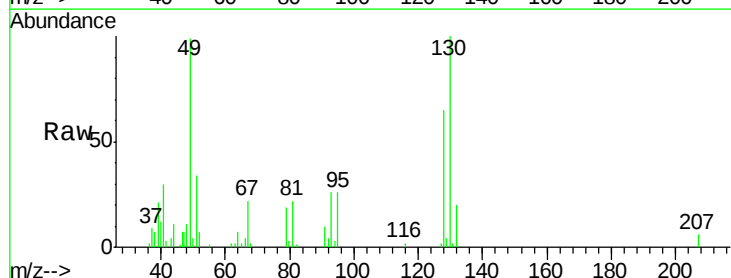
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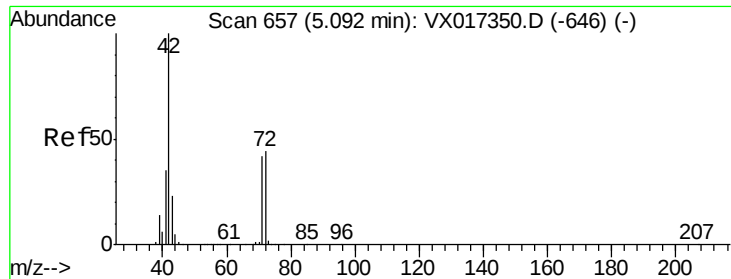


#28

Bromochloromethane
Concen: 4.417 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.8
130	0.0	71.1	106.7#





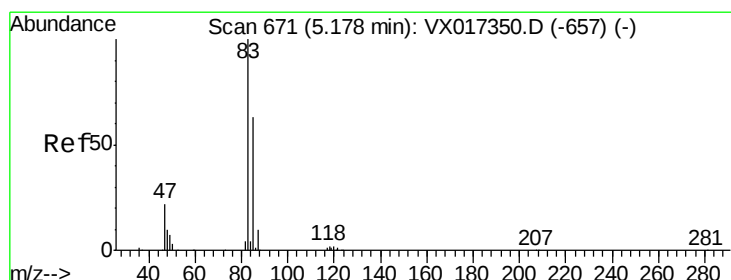
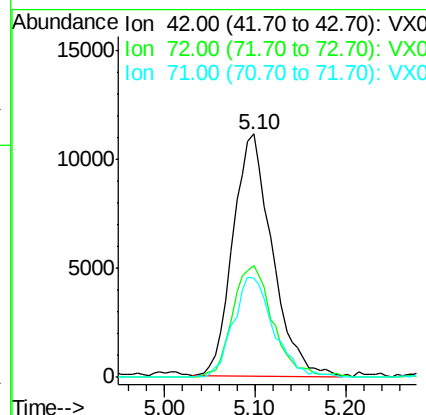
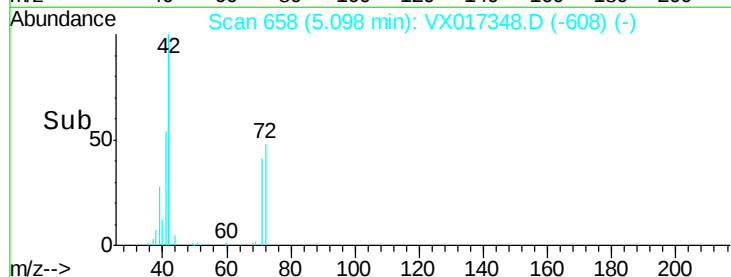
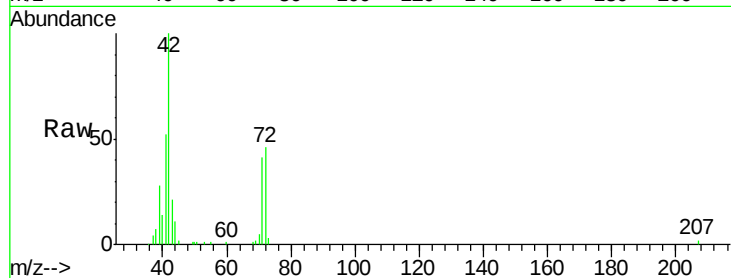
#29
Tetrahydrofuran
Concen: 22.387 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.2	55.8
71	42.2	34.4	51.6

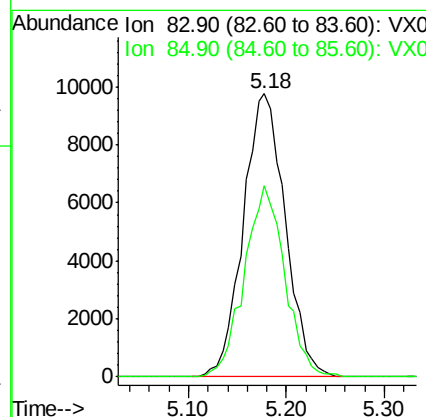
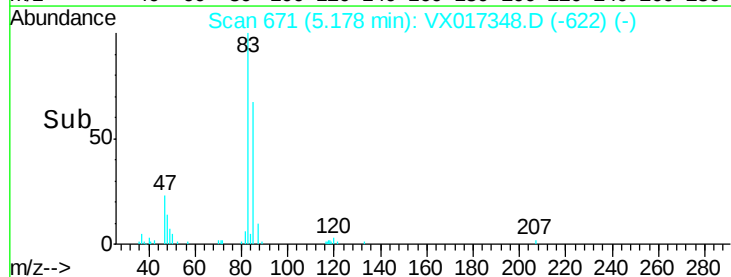
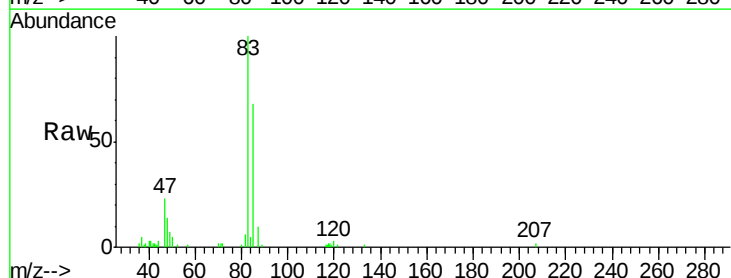
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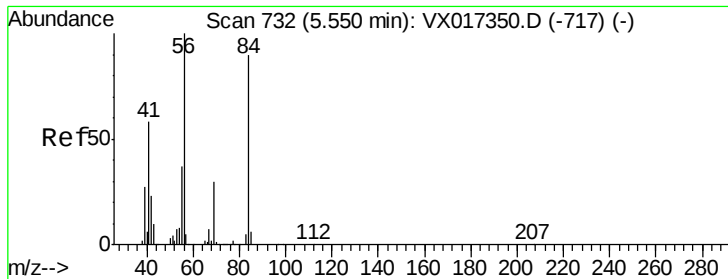
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#30
Chloroform
Concen: 4.946 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	50.2	75.4





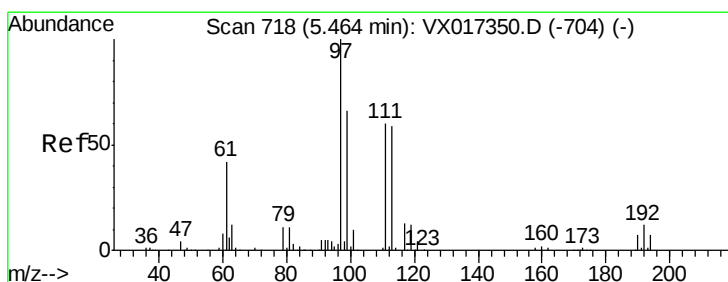
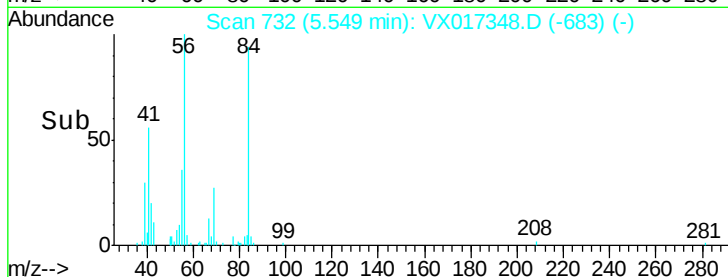
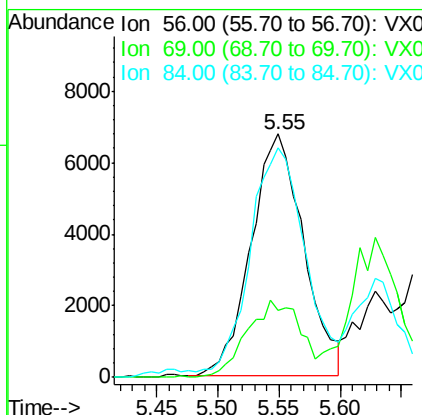
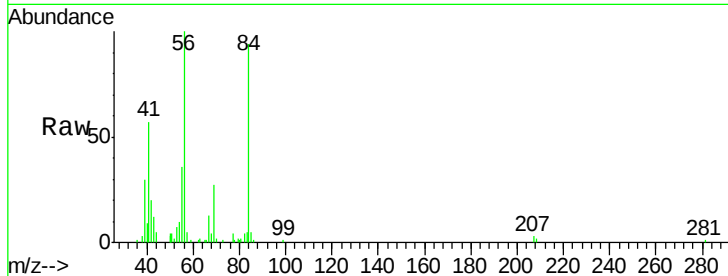
#31
Cyclohexane
Concen: 4.168 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.7	23.7	35.5
84	92.3	71.8	107.6

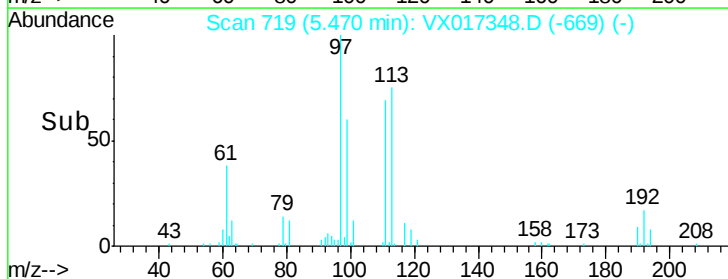
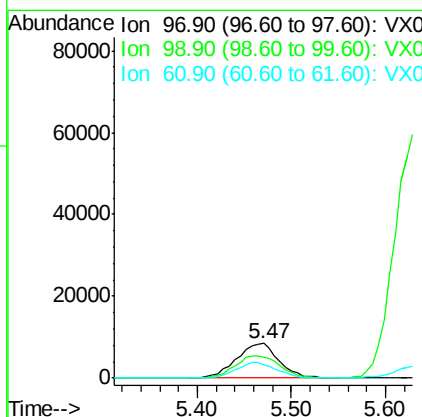
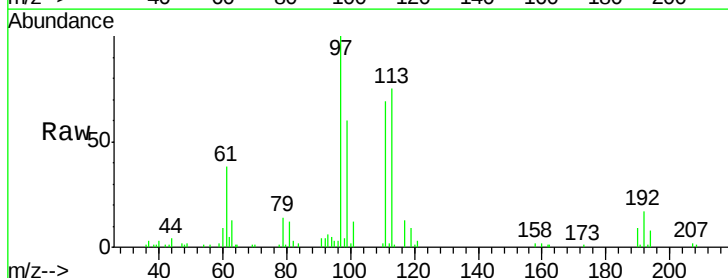
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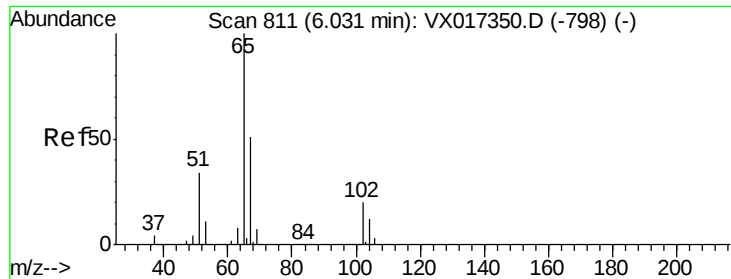
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4.842 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.1	51.2	76.8
61	44.3	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 5.763 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 21536

Ion Ratio Lower Upper

65 100

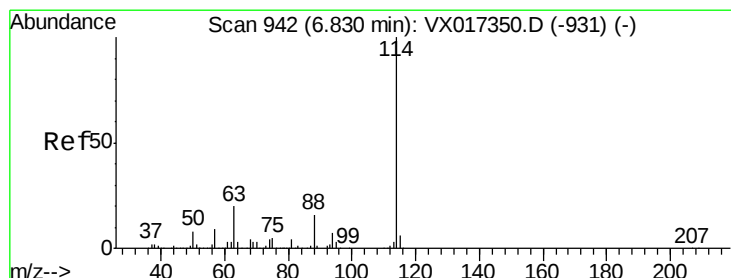
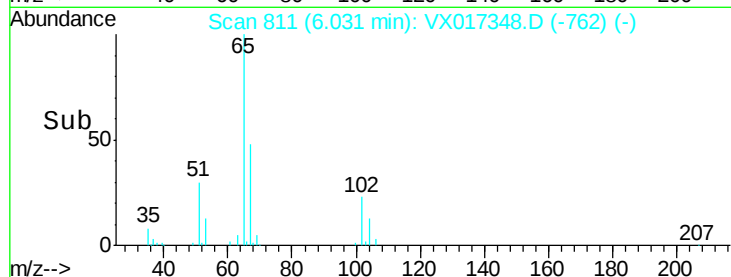
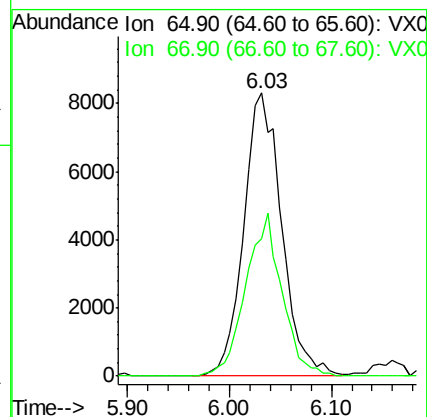
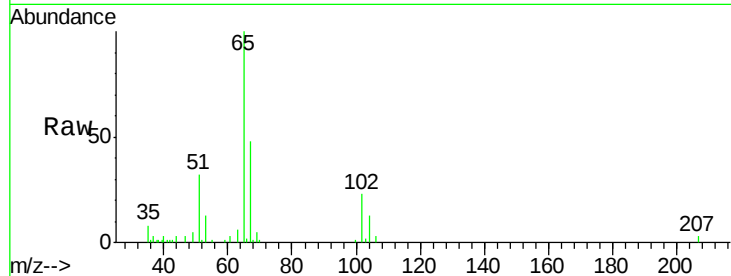
67 54.5 0.0 101.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

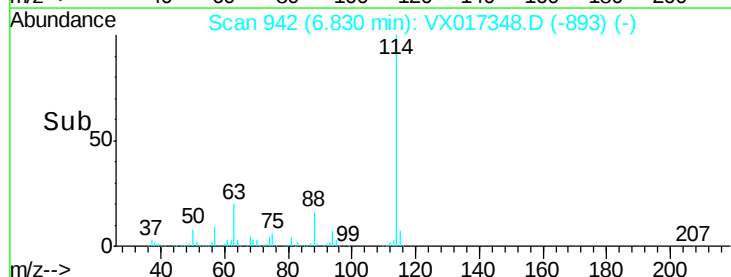
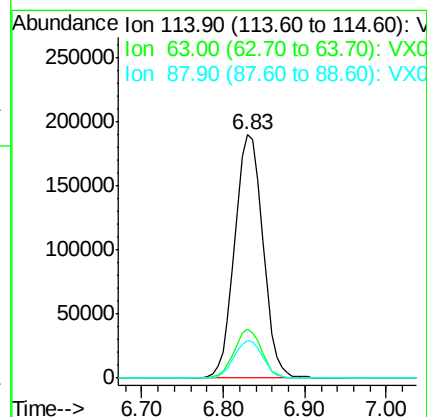
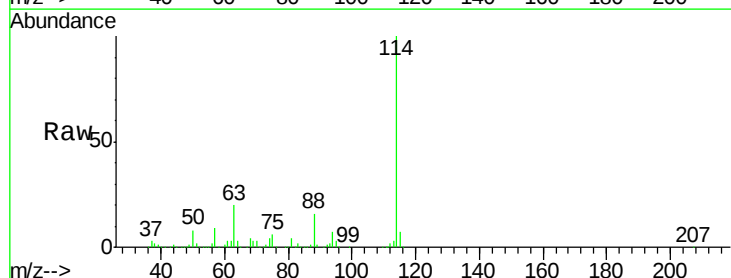
Tgt Ion: 114 Resp: 452991

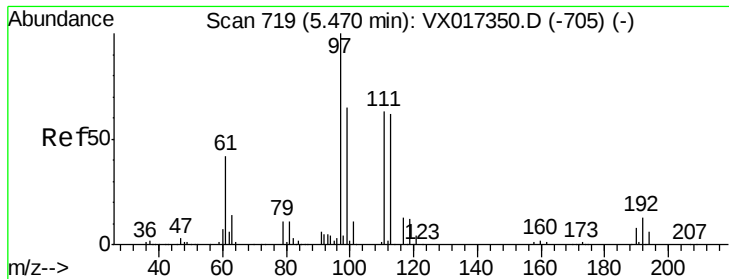
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 15.6 0.0 32.8





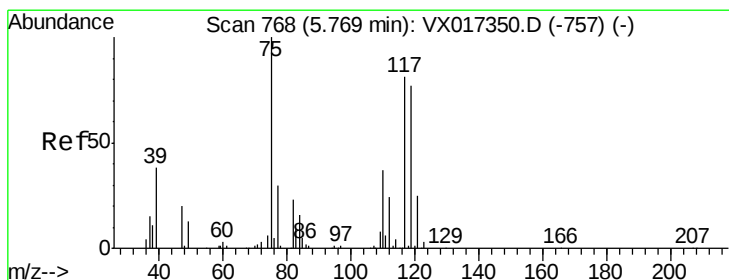
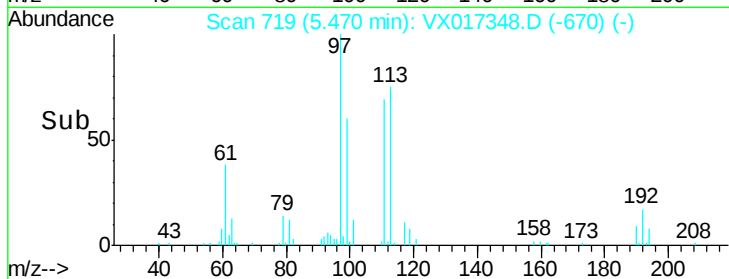
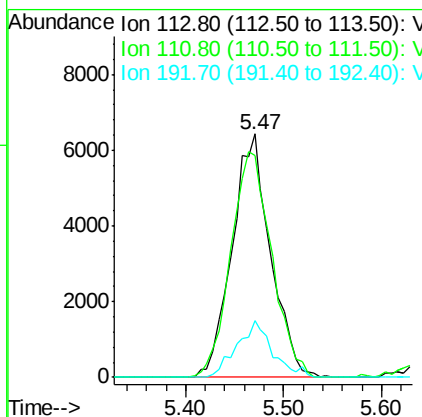
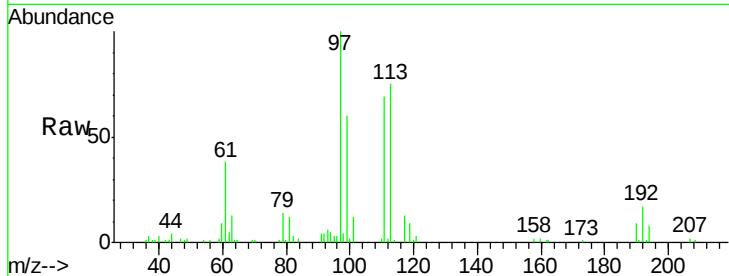
#35
 Dibromofluoromethane
 Concen: 6.013 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017348.D
 Acq: 13 Jul 2020 10:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.8	82.4	123.6
192	21.7	17.2	25.8

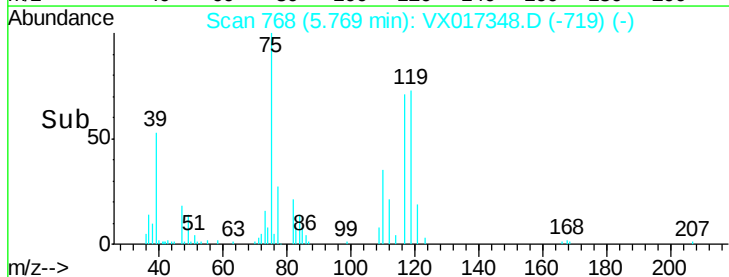
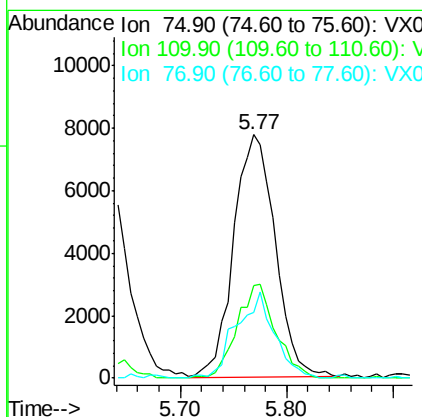
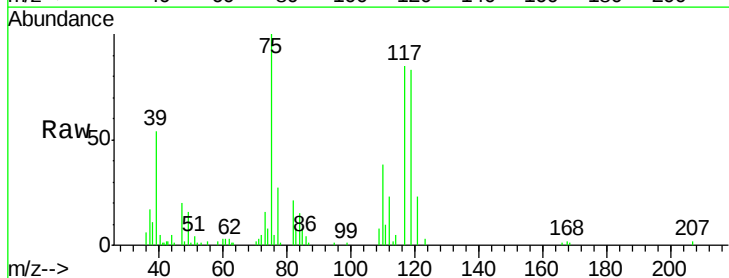
Manual Integrations
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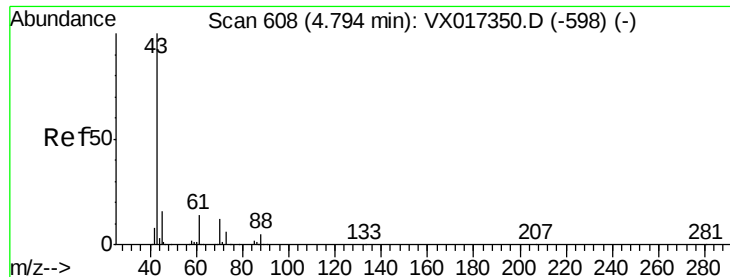
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#36
 1,1-Dichloropropene
 Concen: 4.940 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX017348.D
 Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.6	55.8
77	32.9	24.9	37.3





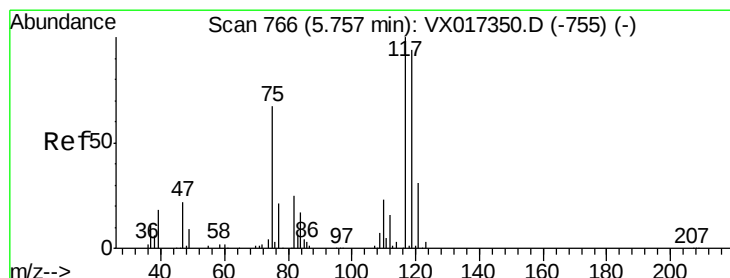
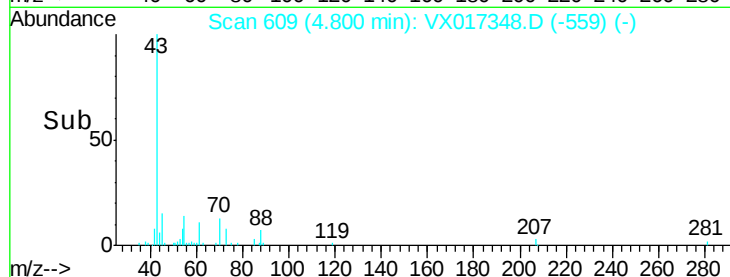
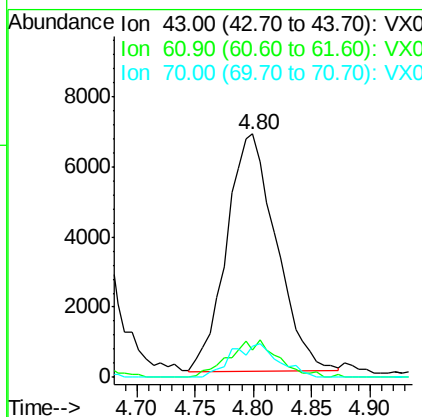
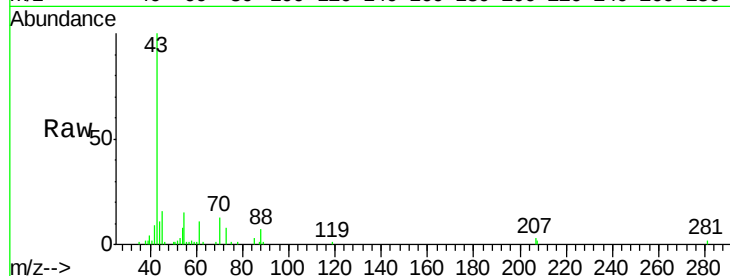
#37
Ethyl Acetate
Concen: 4.659 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	10.7	16.1
70	8.1	9.0	13.6

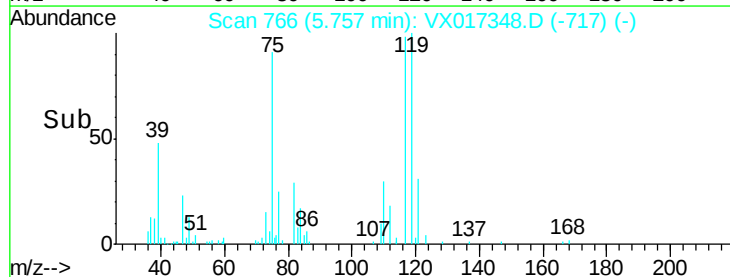
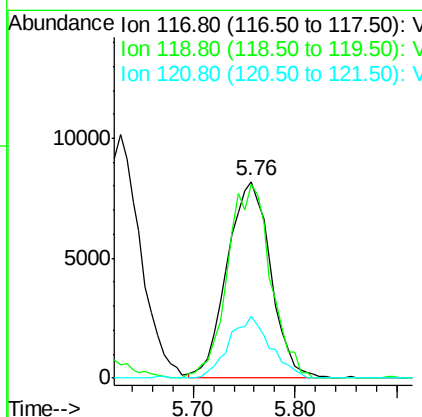
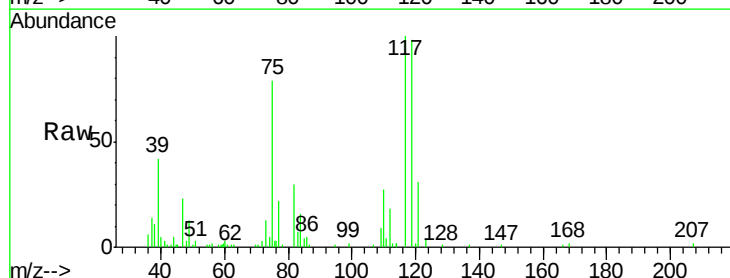
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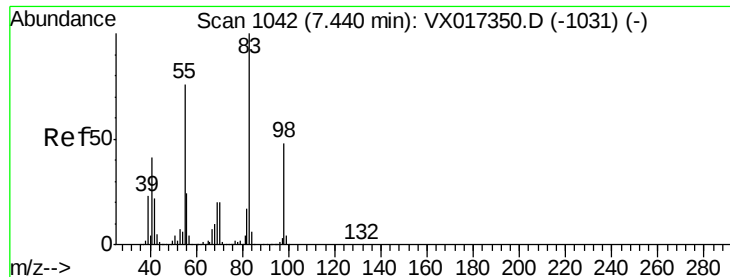
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#38
Carbon Tetrachloride
Concen: 5.105 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	74.7	112.1
121	31.4	24.5	36.7





#39

Methvlcvclohexane

Concen: 4.526 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

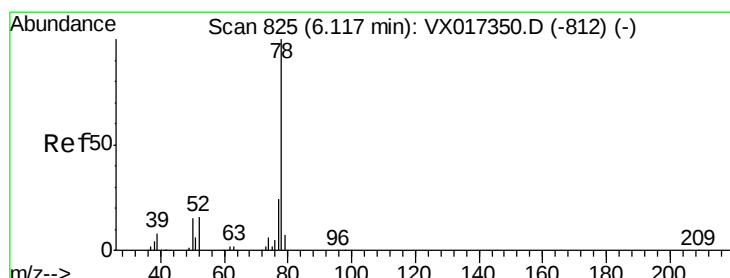
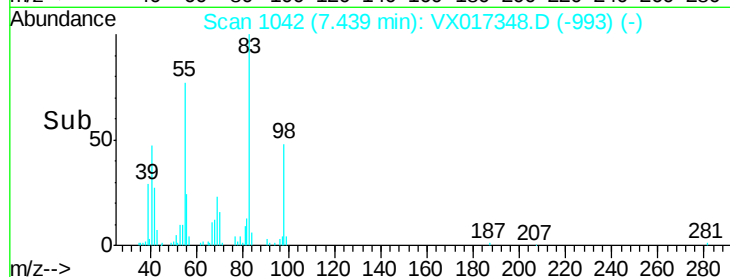
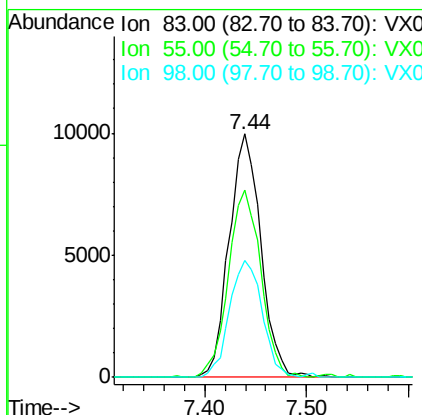
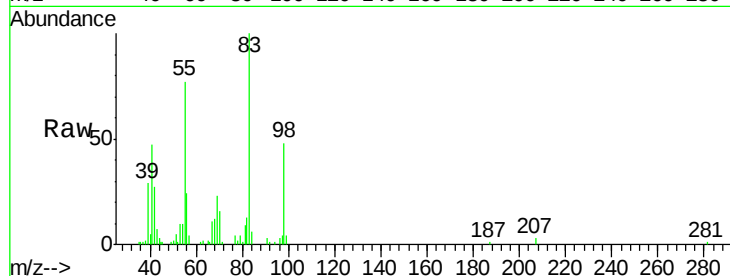
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21464
Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.2	91.8
98	48.2	38.1	57.1

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#40

Benzene

Concen: 4.836 ug/l

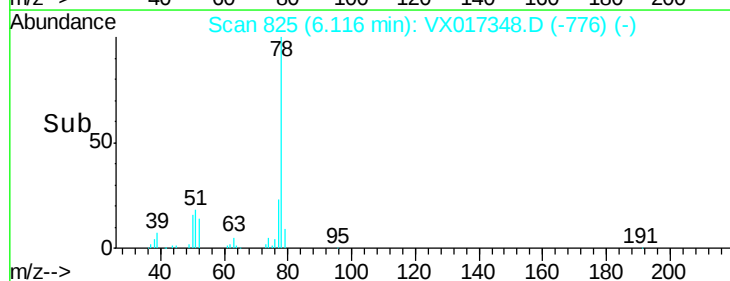
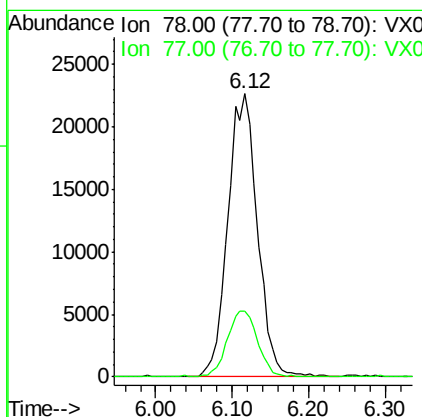
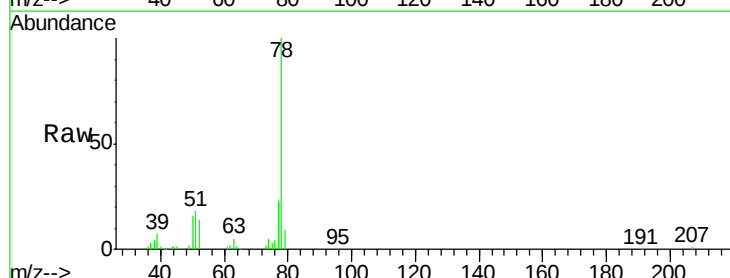
RT: 6.12 min Scan# 825

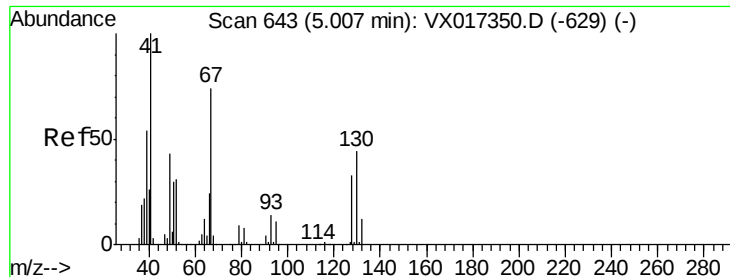
Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Tgt Ion:	78	Resp:	60664
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





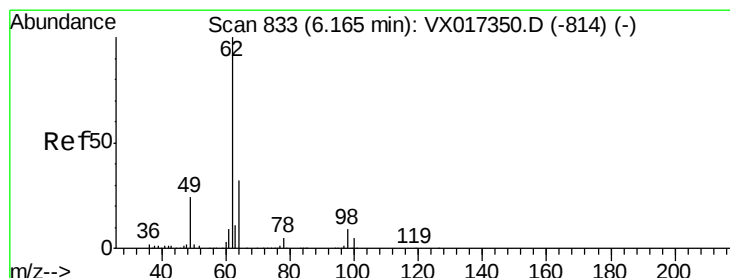
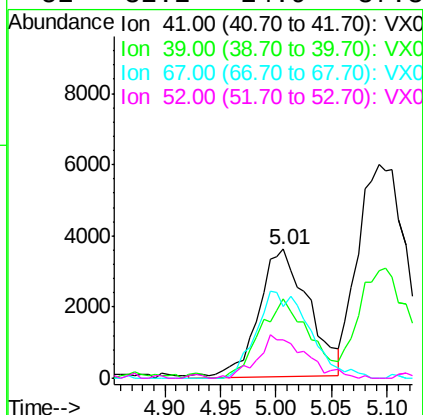
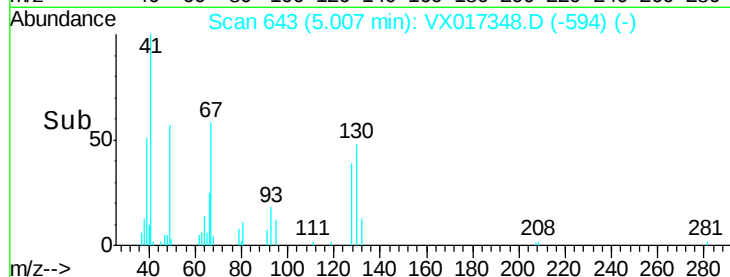
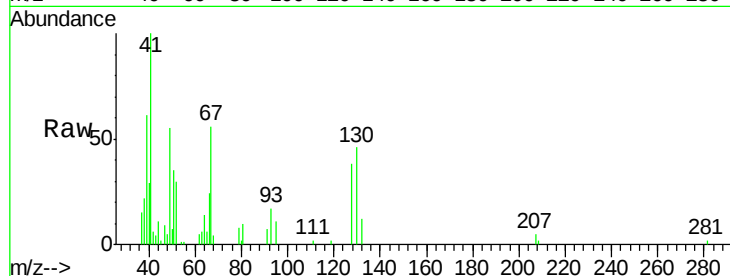
#41
Methacrylonitrile
Concen: 4.610 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	11213
Ion	Ratio	Lower	Upper
41	100		
39	61.8	43.8	65.8
67	72.3	58.7	88.1
52	32.2	24.9	37.3

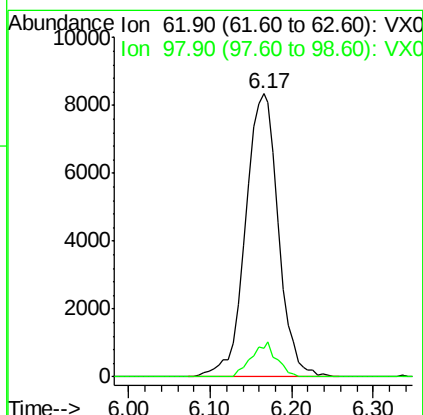
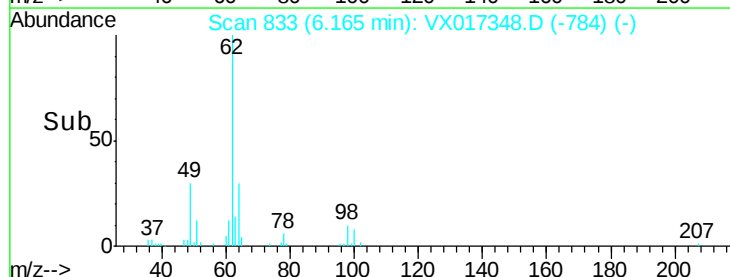
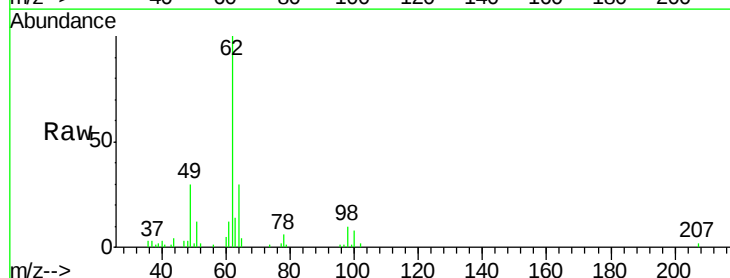
Manual Integrations
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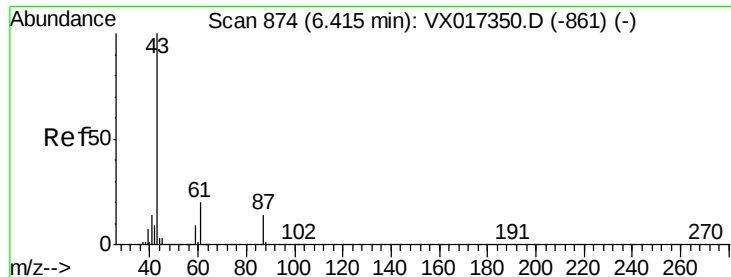
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#42
1,2-Dichloroethane
Concen: 5.129 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion:	62	Resp:	23495
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.4





#43

Isopropyl Acetate

Concen: 4.476 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

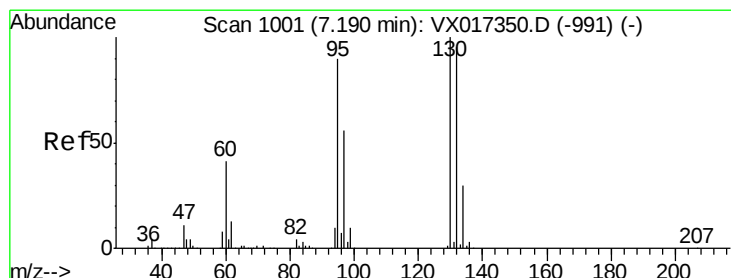
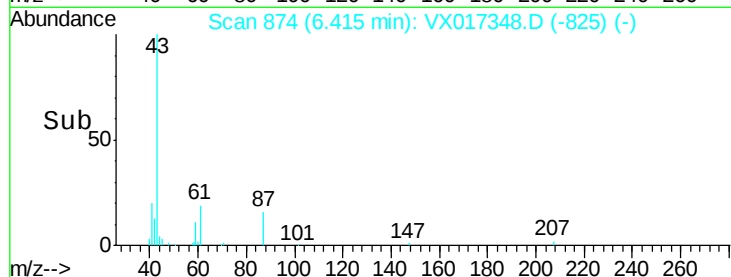
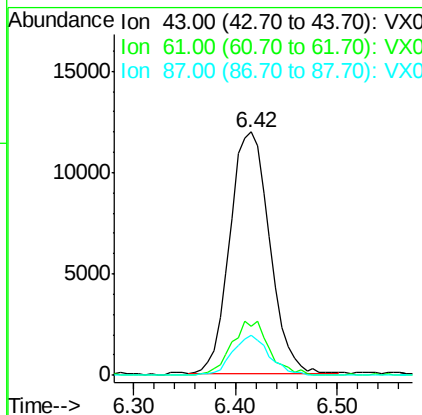
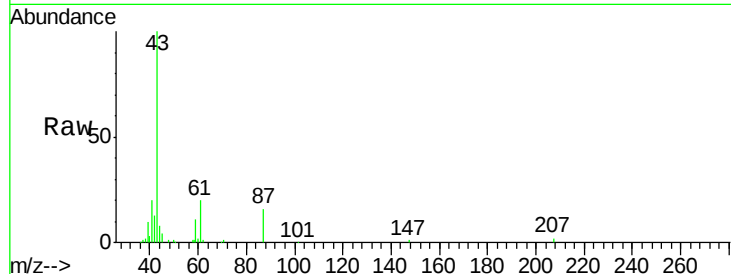
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	32186
Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.4	24.6
87	15.2	11.2	16.8

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#44

Trichloroethene

Concen: 4.935 ug/l

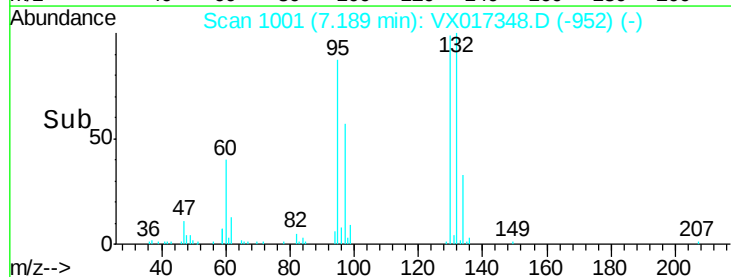
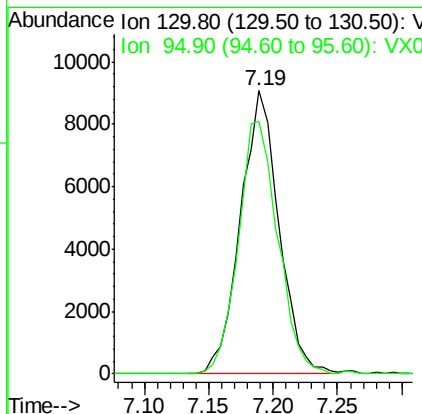
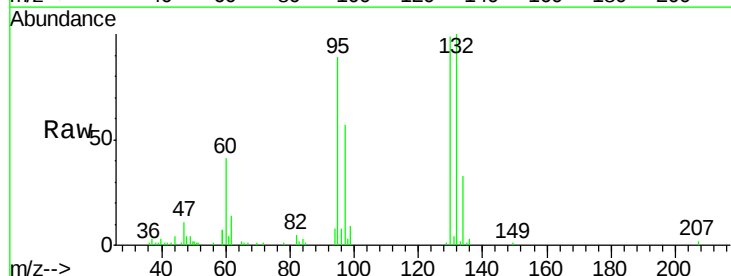
RT: 7.19 min Scan# 1001

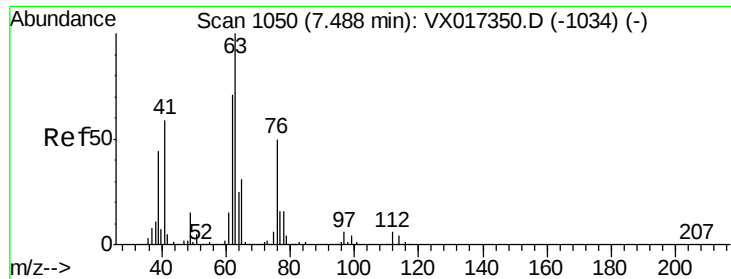
Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Tgt Ion:	130	Resp:	18784
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	180.2





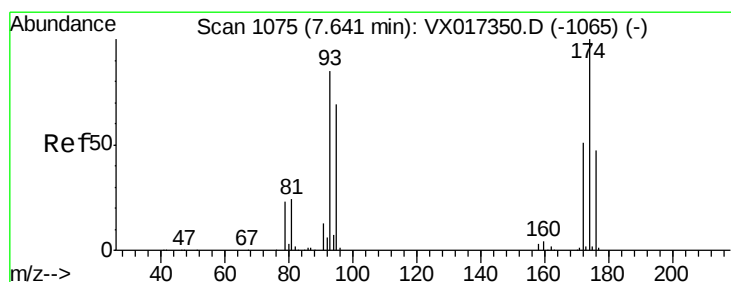
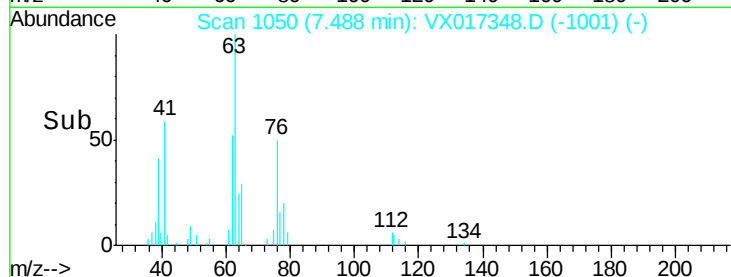
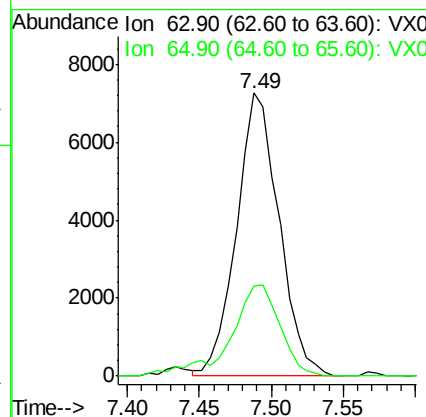
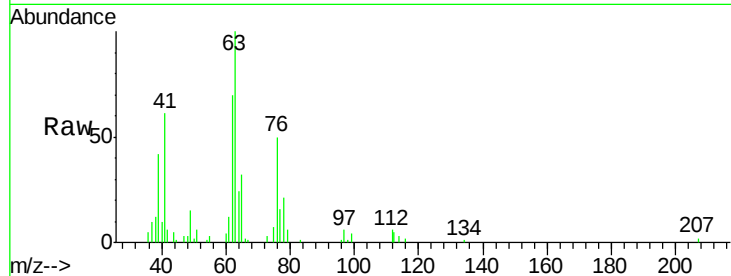
#45
 1,2-Dichloropropane
 Concen: 4.624 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX017348.D
 Acq: 13 Jul 2020 10:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	24.5	36.7

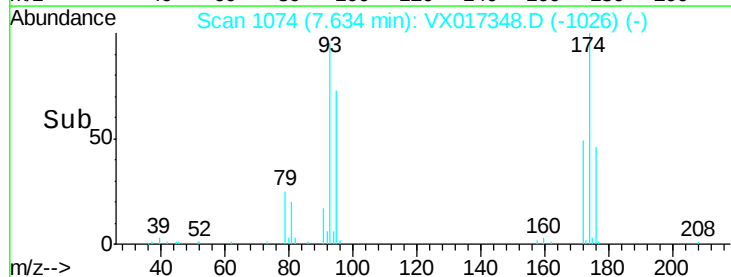
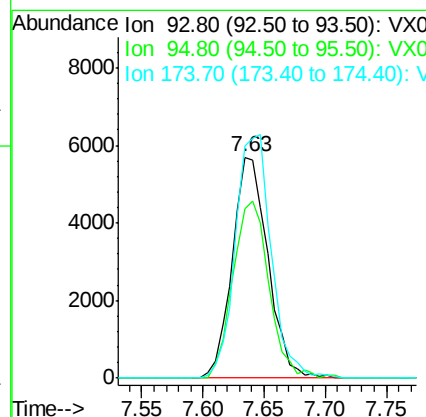
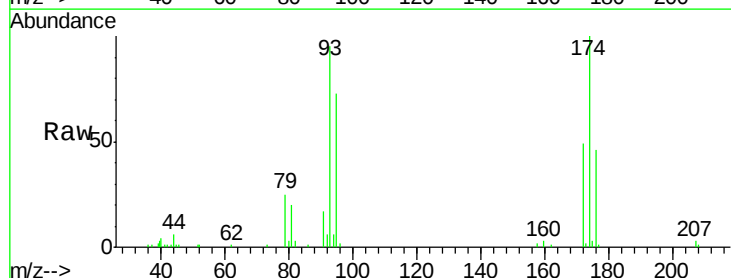
Manual Integrations
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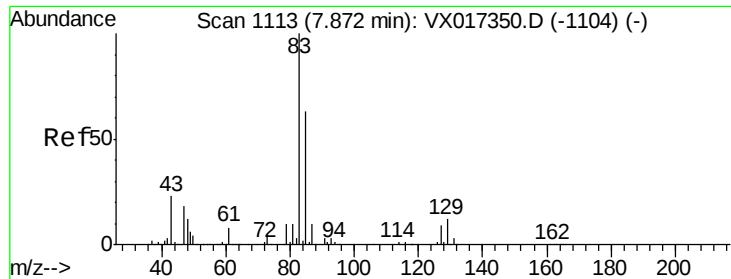
MMDadoda
 7/14/2020 11:35:45 AM



#46
 Dibromomethane
 Concen: 5.185 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX017348.D
 Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.4	98.2
174	111.1	91.2	136.8





#47

Bromodichloromethane

Concen: 5.160 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

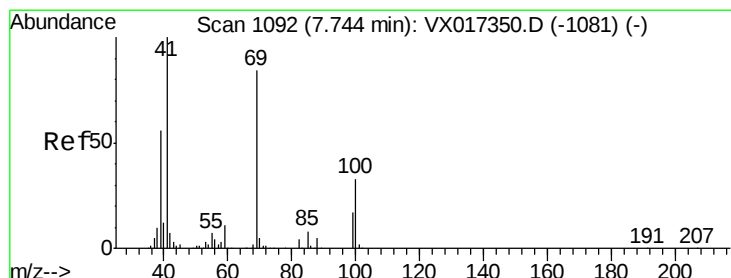
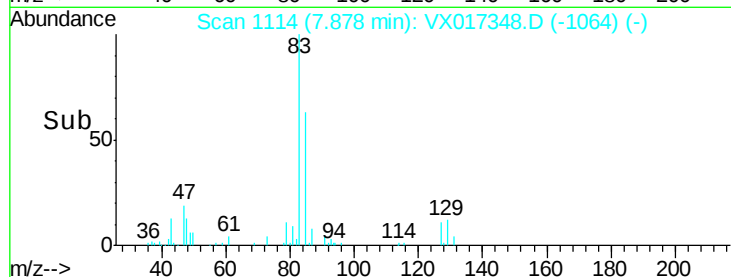
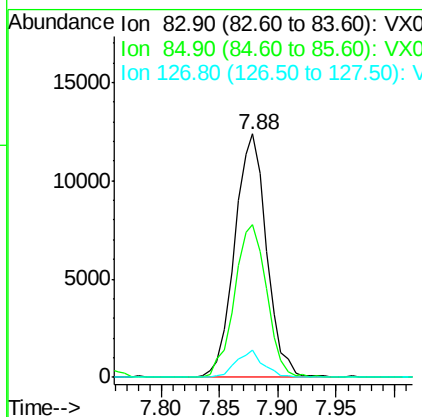
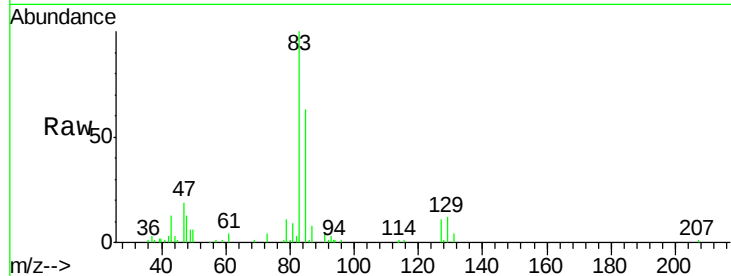
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23588
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.2	75.4
127	11.4	7.1	10.7#

Manual Integrations
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MMDadoda
7/14/2020 11:35:45 AM



#48

Methyl methacrylate

Concen: 4.433 ug/l

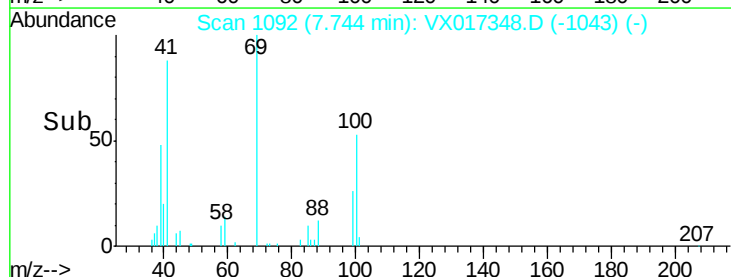
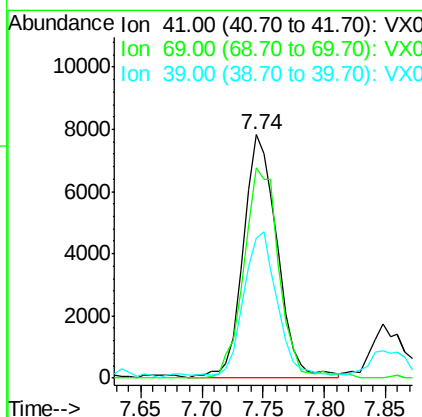
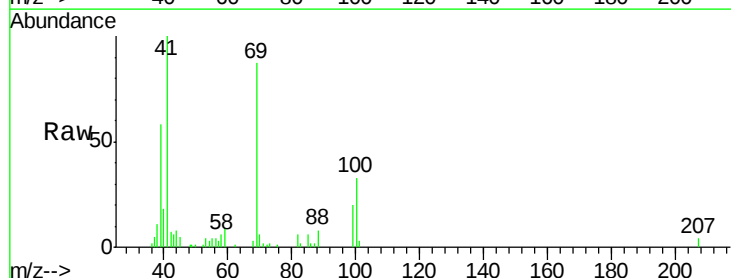
RT: 7.74 min Scan# 1092

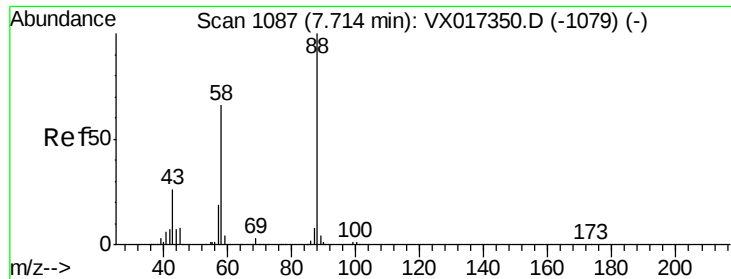
Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Tgt Ion:	41	Resp:	15130
Ion	Ratio	Lower	Upper
41	100		
69	89.8	67.8	101.6
39	58.7	45.1	67.7





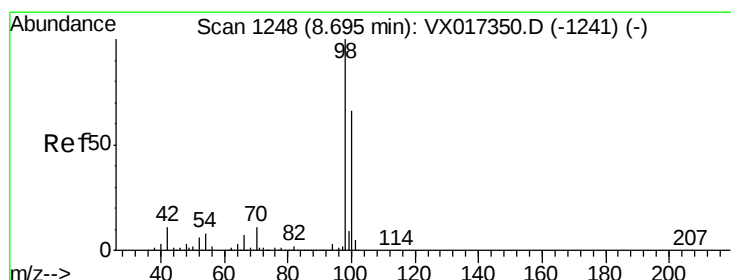
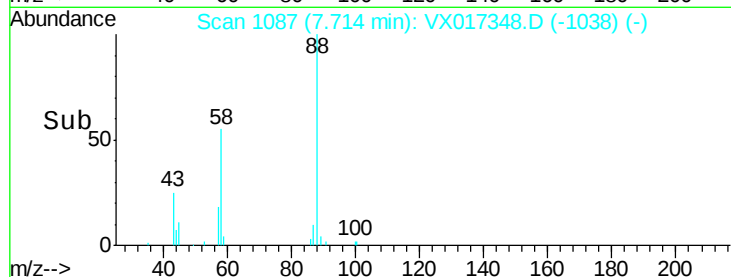
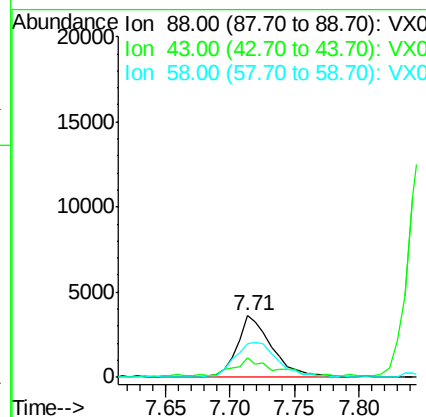
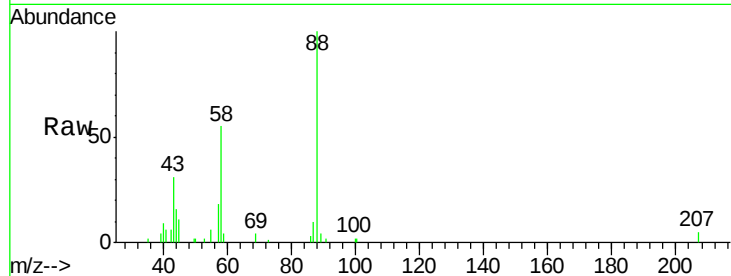
#49
1,4-Dioxane
Concen: 88.878 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	25.6	38.4
58	71.5	53.9	80.9

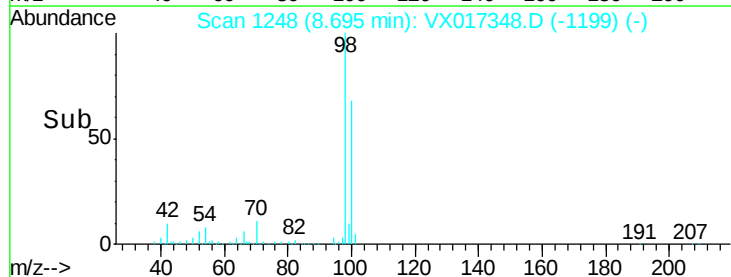
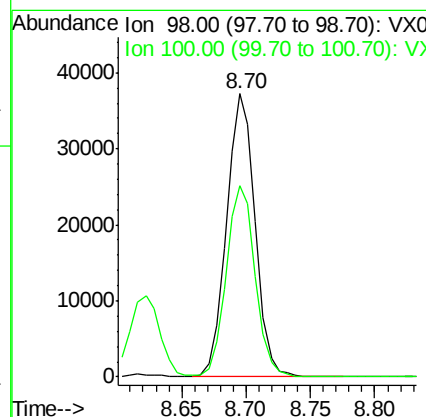
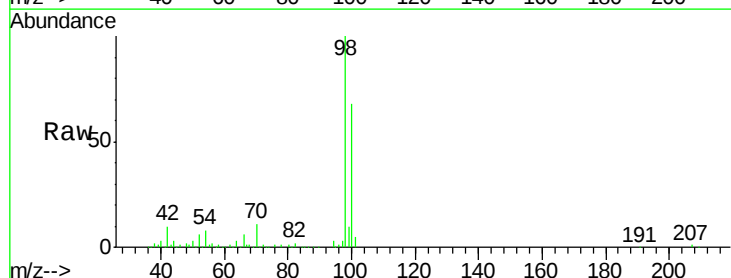
Manual Integrations
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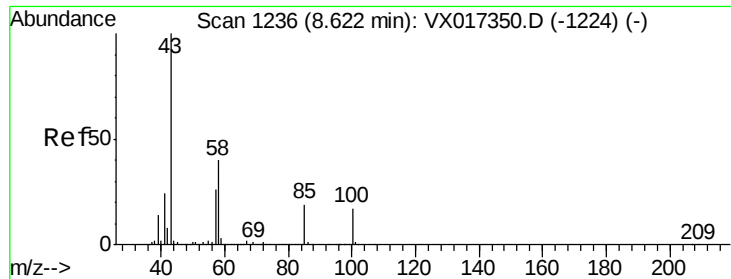
MMDadoda
7/14/2020 11:35:45 AM



#50
Toluene-d8
Concen: 5.394 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 23.691 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 101787

Ion Ratio Lower Upper

43 100

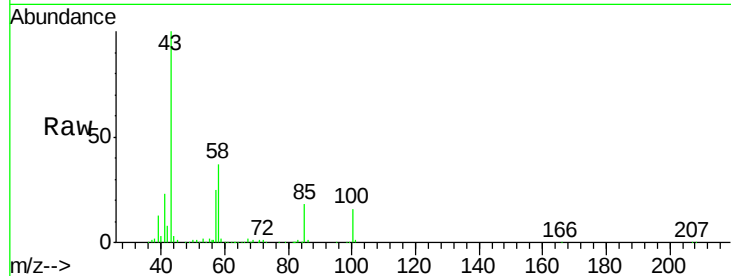
58 39.4 32.2 48.2

Manual Integrations

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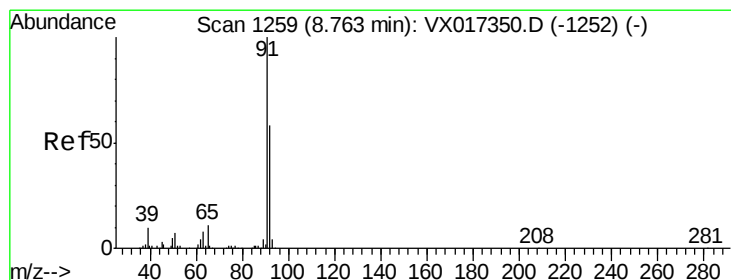
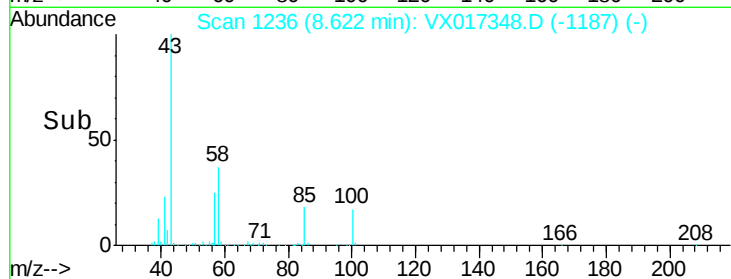
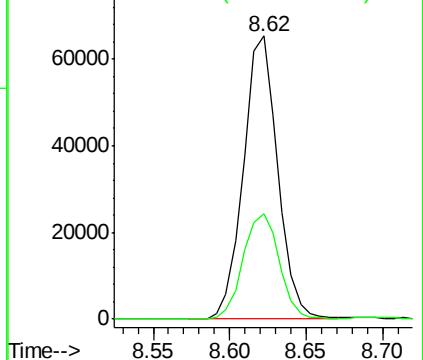
MMDadoda

7/14/2020 11:35:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 4.861 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017348.D

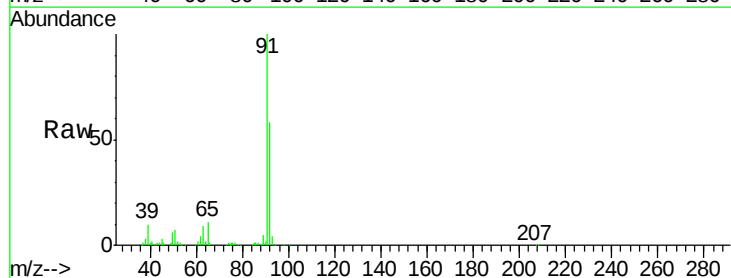
Acq: 13 Jul 2020 10:38

Tgt Ion: 92 Resp: 38258

Ion Ratio Lower Upper

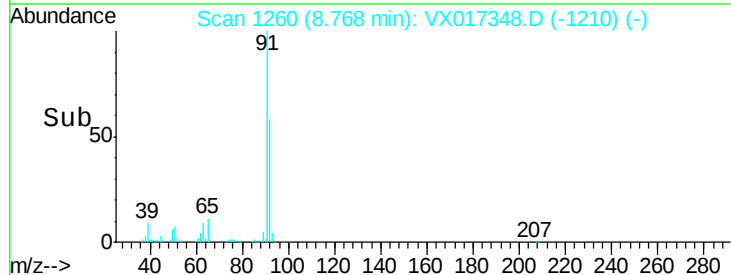
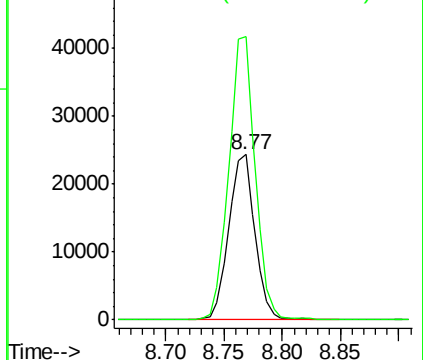
92 100

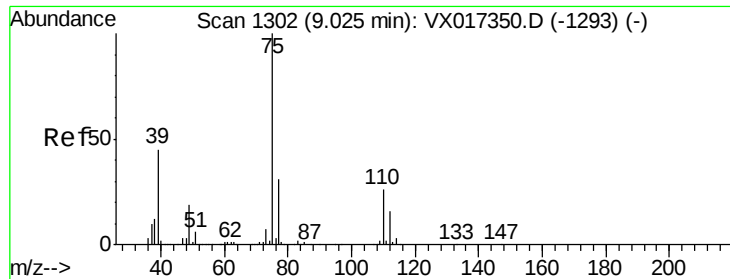
91 172.1 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





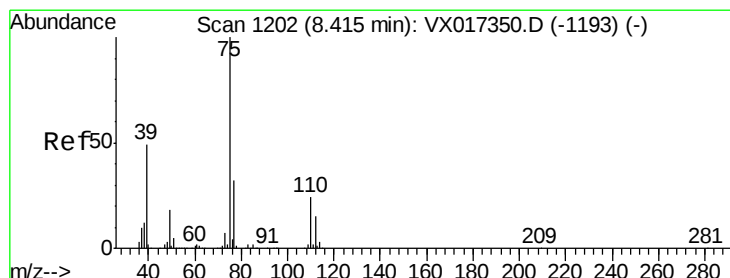
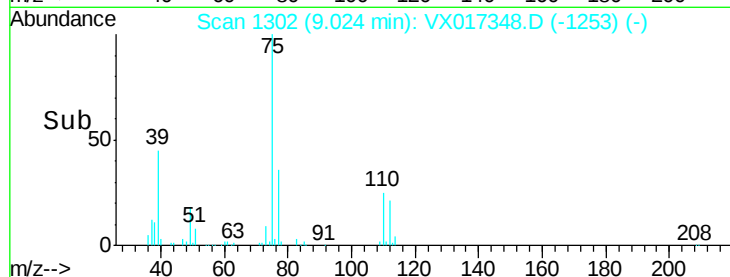
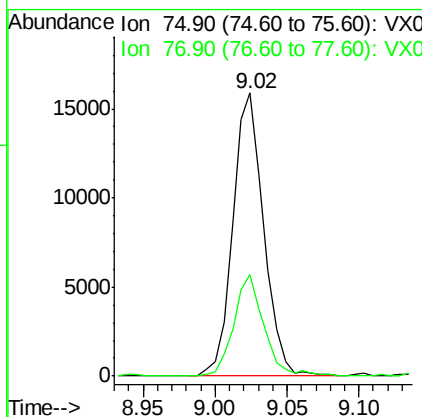
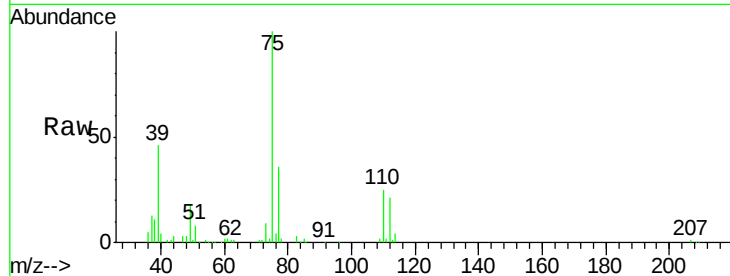
#53
t-1,3-Dichloropropene
Concen: 4.704 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.7	25.0	37.6

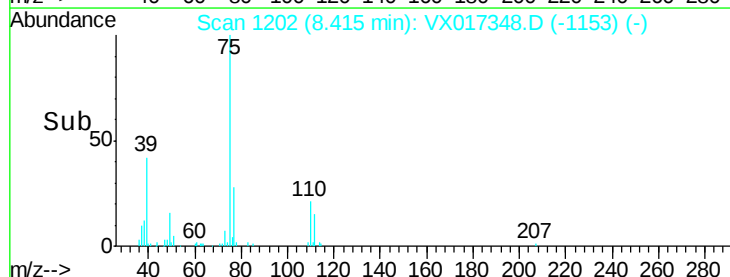
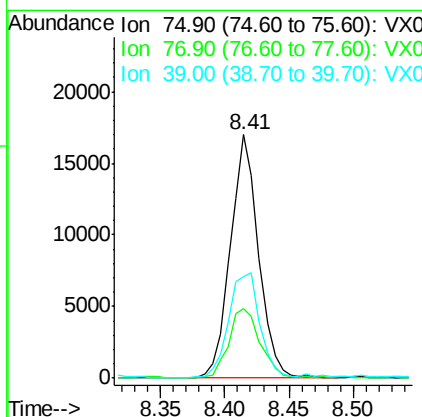
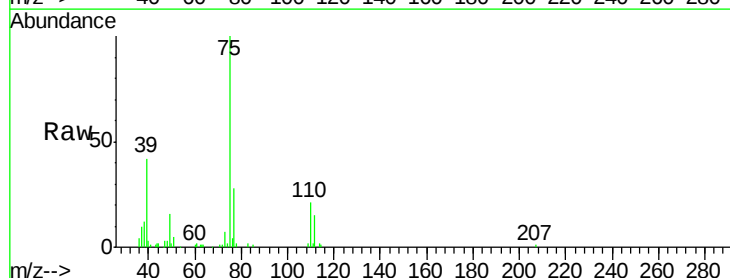
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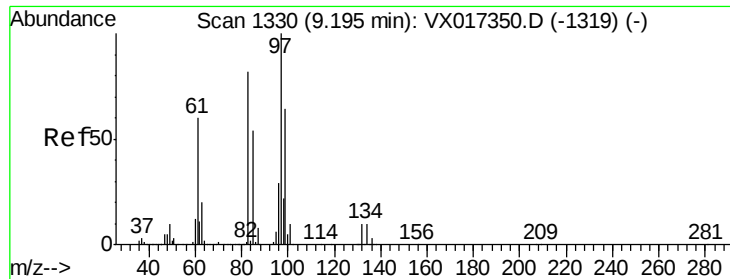
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 4.827 ug/l
RT: 8.41 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.4	25.3	37.9
39	41.3	38.9	58.3





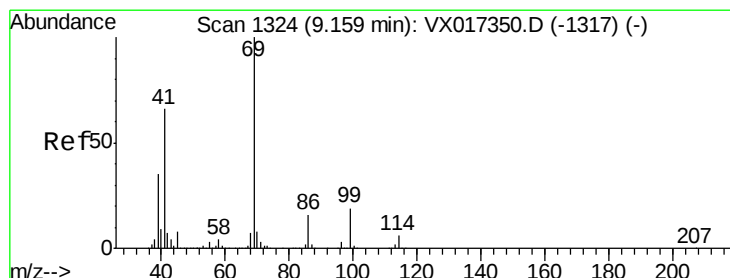
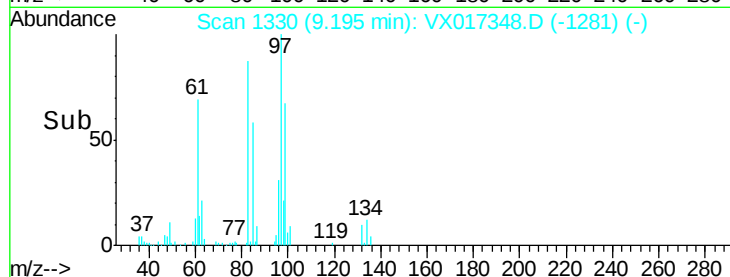
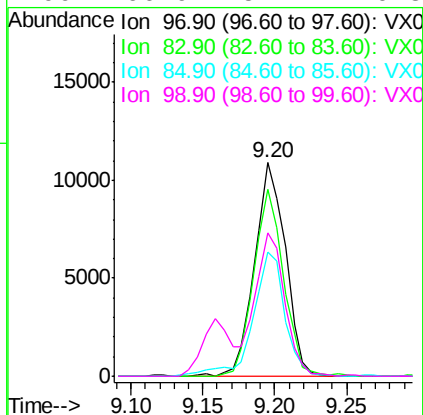
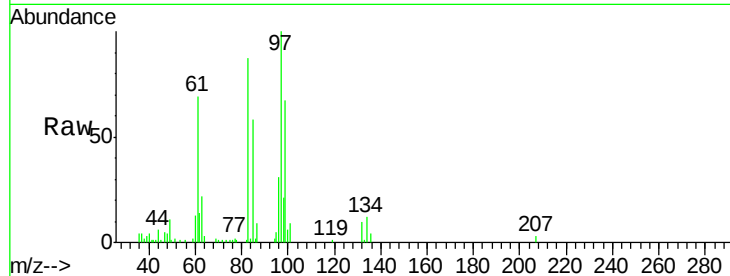
#55
 1,1,2-Trichloroethane
 Concen: 4.978 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017348.D
 Acq: 13 Jul 2020 10:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	16080
Ion	Ratio	Lower	Upper
97	100		
83	87.3	65.8	98.6
85	57.9	42.8	64.2
99	66.9	51.2	76.8

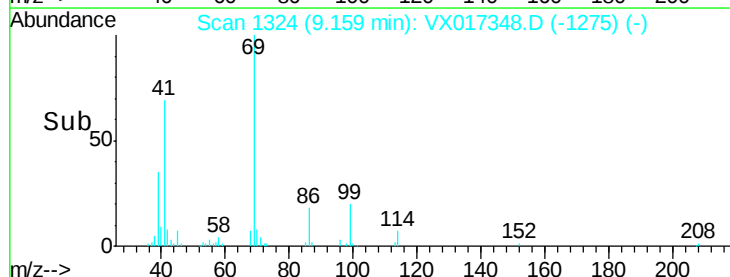
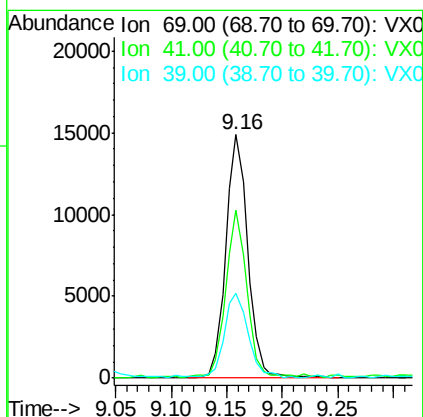
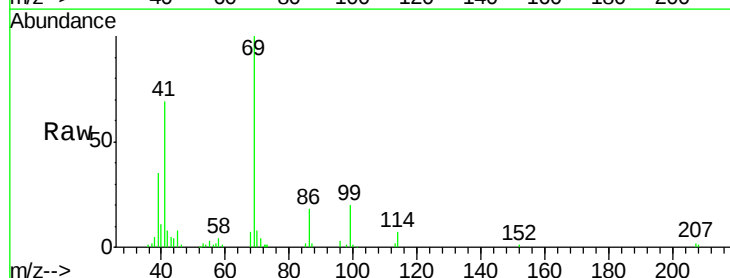
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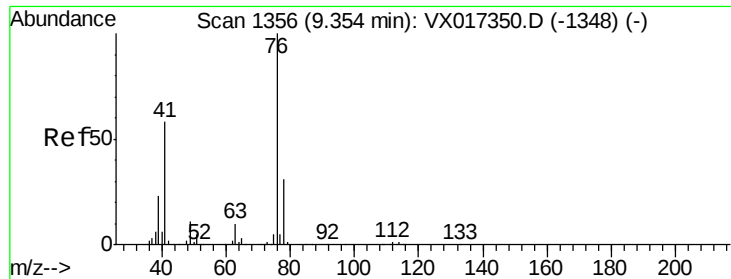
MMDadoda
 7/14/2020 11:35:45 AM



#56
 Ethyl methacrylate
 Concen: 4.455 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX017348.D
 Acq: 13 Jul 2020 10:38

Tgt Ion:	69	Resp:	20408
Ion	Ratio	Lower	Upper
69	100		
41	66.0	52.6	78.8
39	38.5	28.8	43.2





#57

1,3-Dichloropropane

Concen: 4.859 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 26464

Ion Ratio Lower Upper

76 100

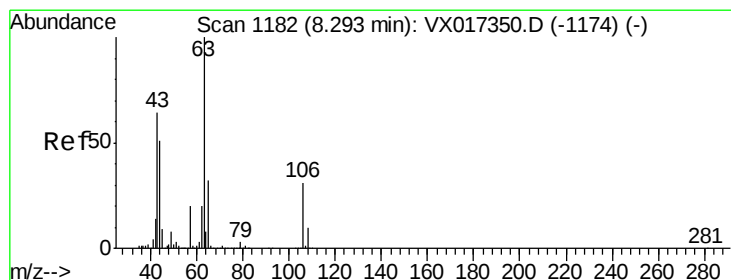
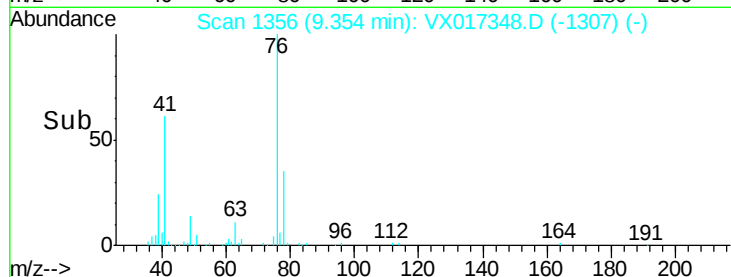
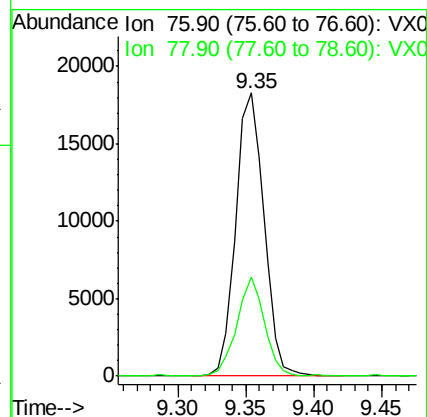
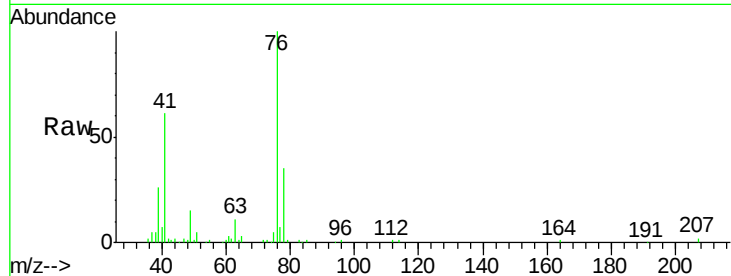
78 34.2 25.8 38.6

Manual Integrations

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MMDadoda

7/14/2020 11:35:45 AM



#58

2-Chloroethyl Vinyl ether

Concen: 23.269 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX017348.D

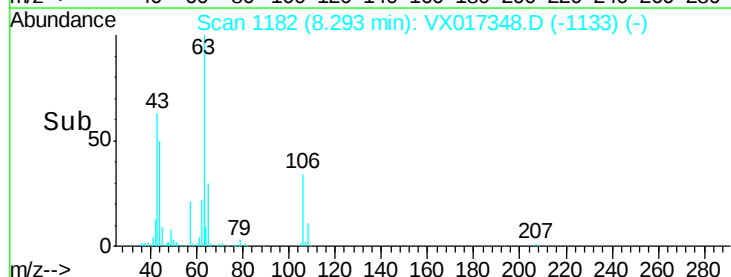
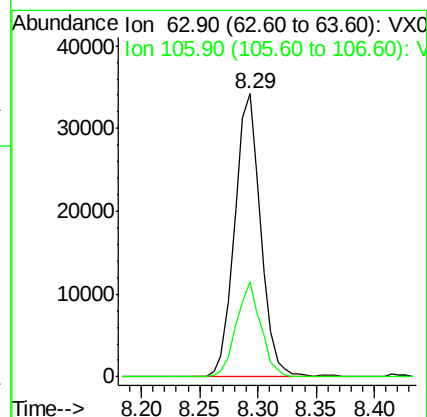
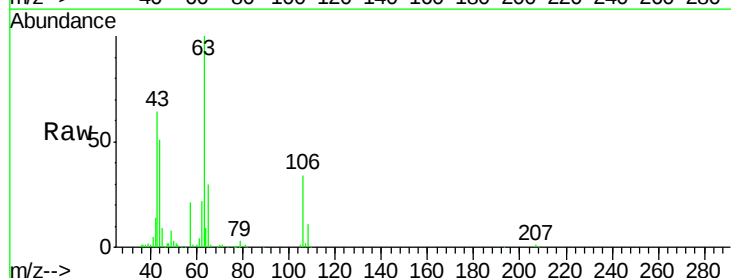
Acq: 13 Jul 2020 10:38

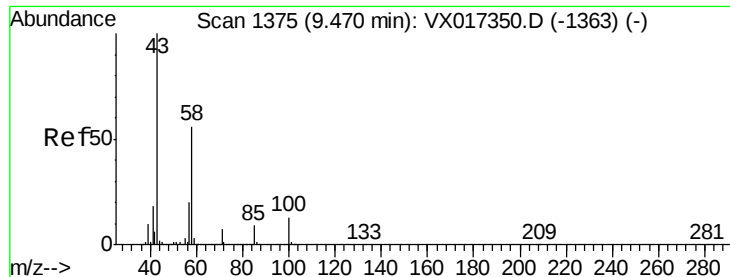
Tgt Ion: 63 Resp: 53256

Ion Ratio Lower Upper

63 100

106 32.0 24.8 37.2





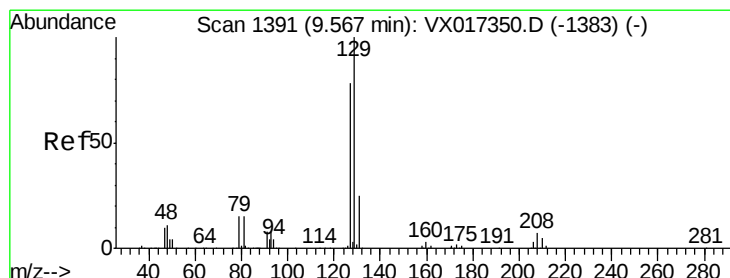
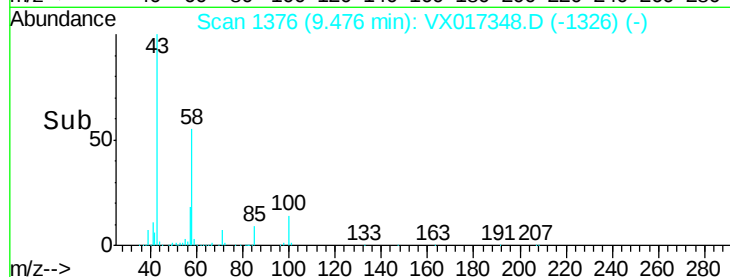
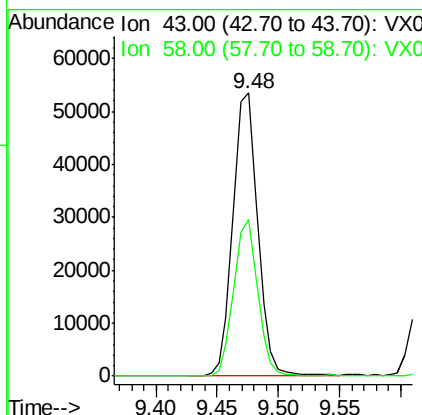
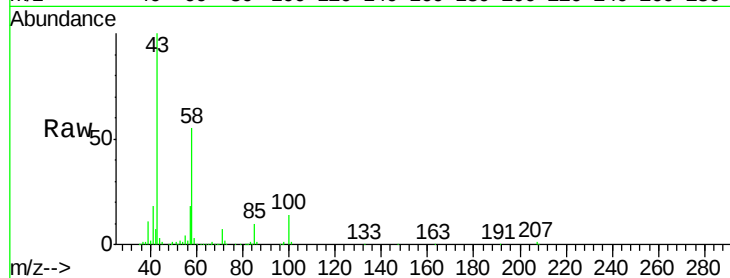
#59
2-Hexanone
Concen: 23.904 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 75424
Ion Ratio Lower Upper
43 100
58 53.3 28.1 84.3

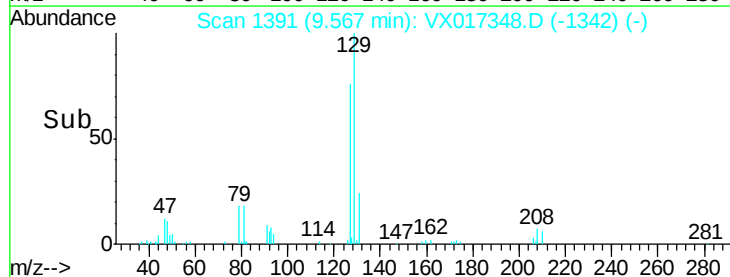
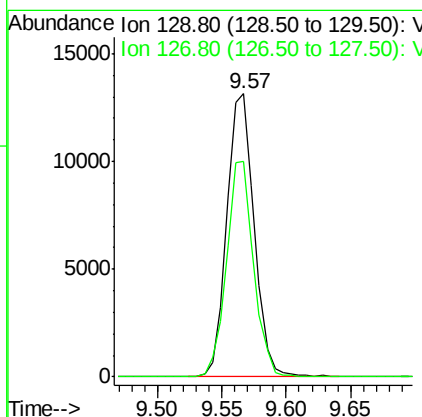
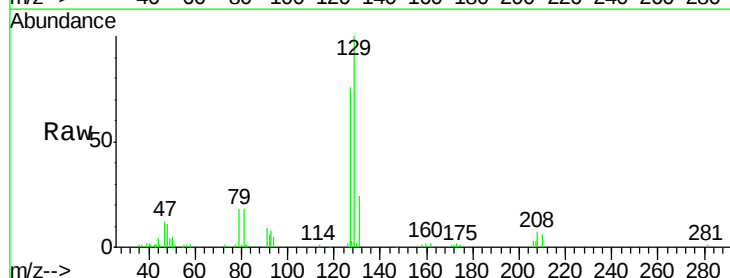
Manual Integrations
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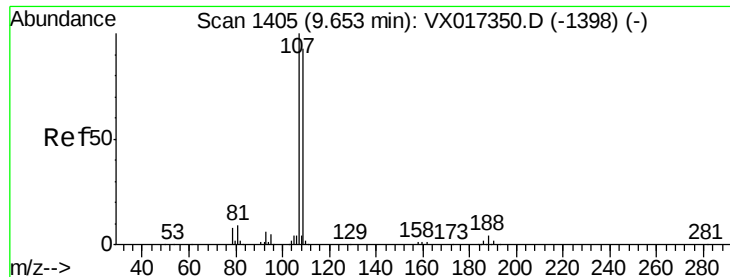
MMDadoda
7/14/2020 11:35:45 AM



#60
Dibromochloromethane
Concen: 5.190 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion: 129 Resp: 19625
Ion Ratio Lower Upper
129 100
127 75.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 5.016 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 17441

Ion Ratio Lower Upper

107 100

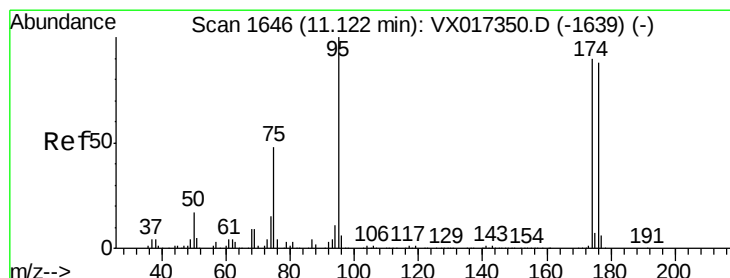
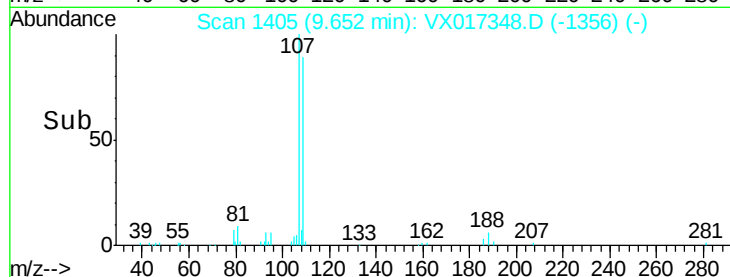
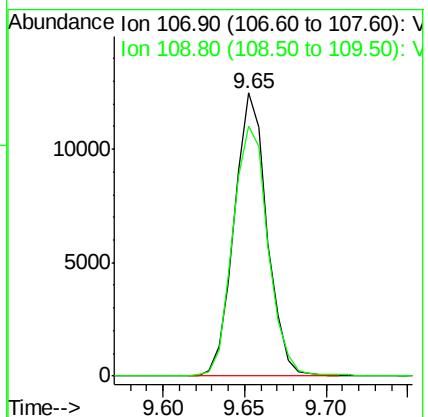
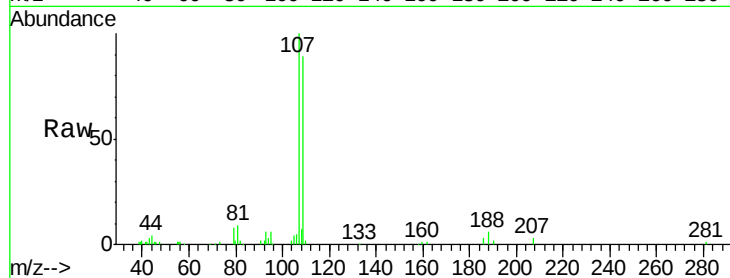
109 95.2 75.0 112.4

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#62

4-Bromofluorobenzene

Concen: 5.203 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

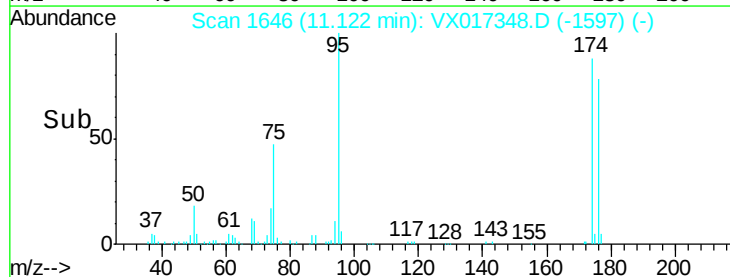
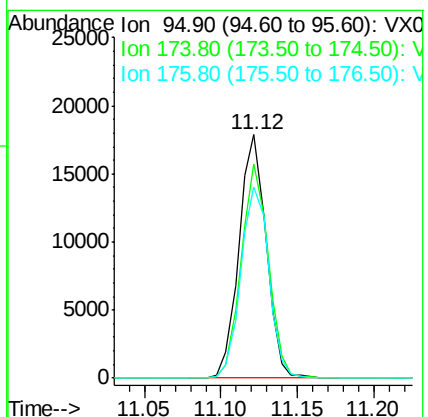
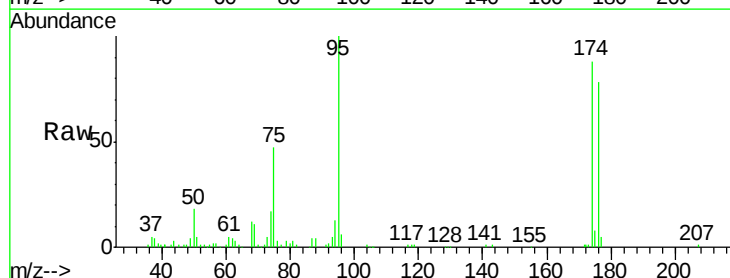
Tgt Ion: 95 Resp: 21994

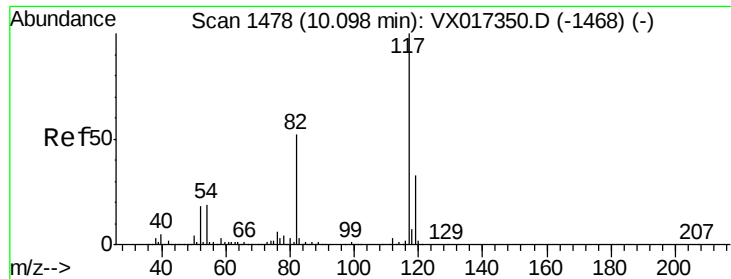
Ion Ratio Lower Upper

95 100

174 88.1 0.0 175.8

176 81.0 0.0 164.6





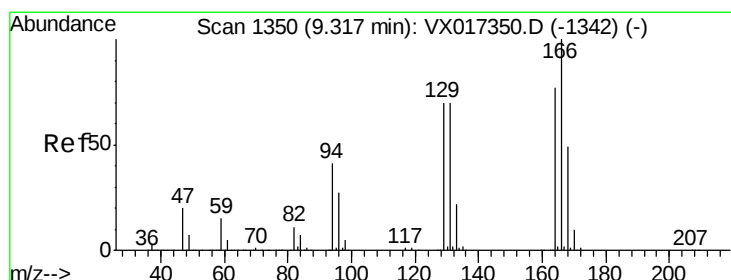
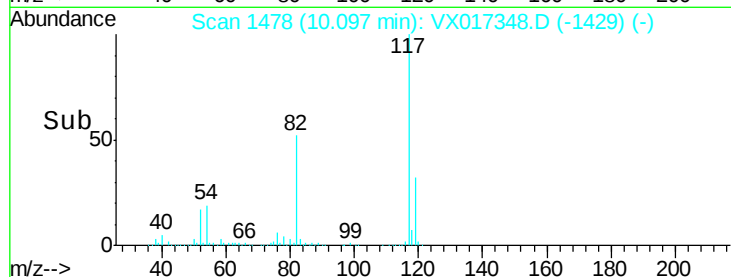
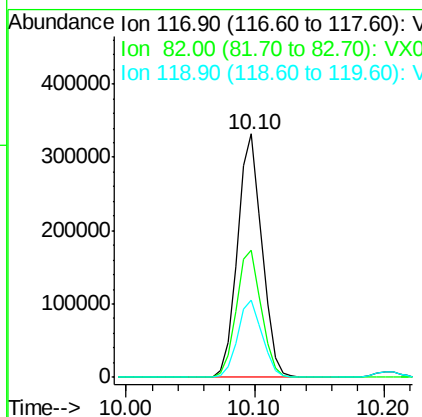
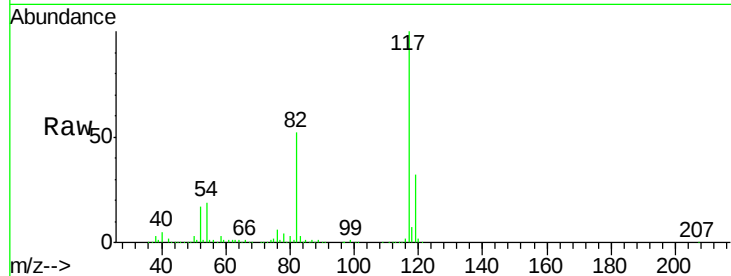
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	435251		
82	52.0		42.0	63.0
119	31.8		26.3	39.5

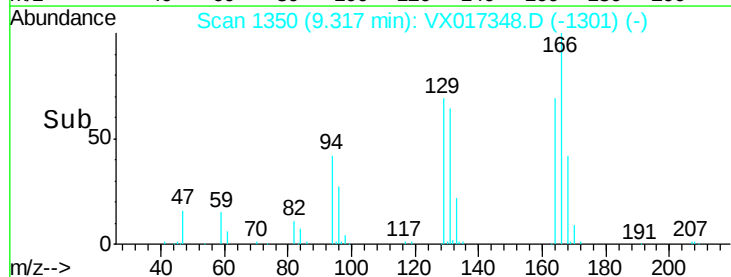
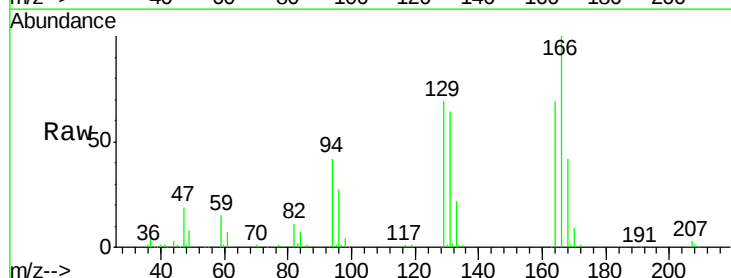
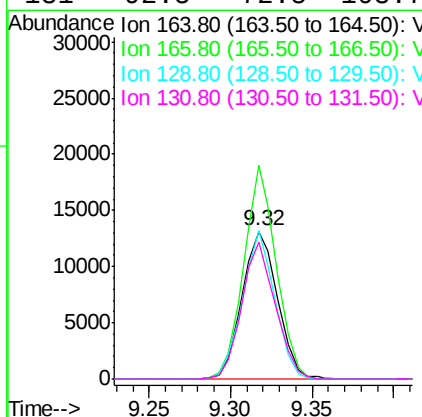
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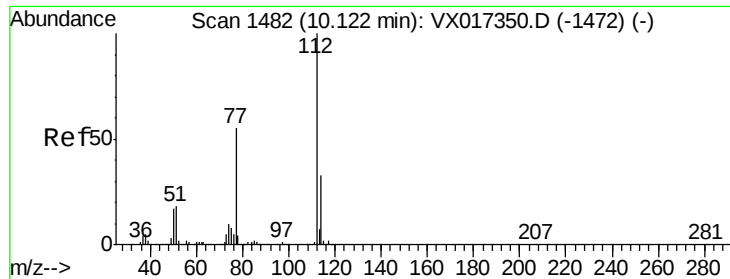
MMDadoda
7/14/2020 11:35:45 AM



#64
Tetrachloroethene
Concen: 5.573 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	19855		
166	144.5		103.9	155.9
129	100.1		72.9	109.3
131	92.5		72.5	108.7





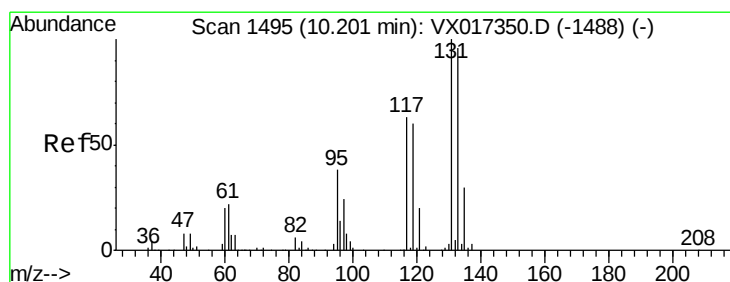
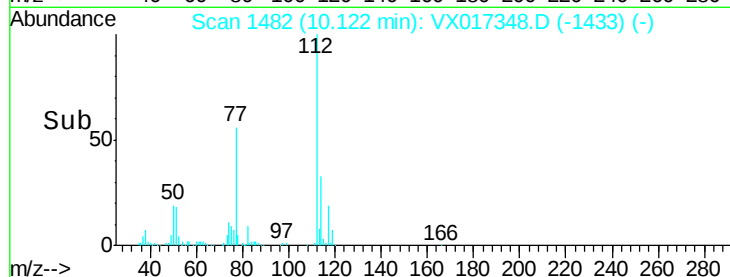
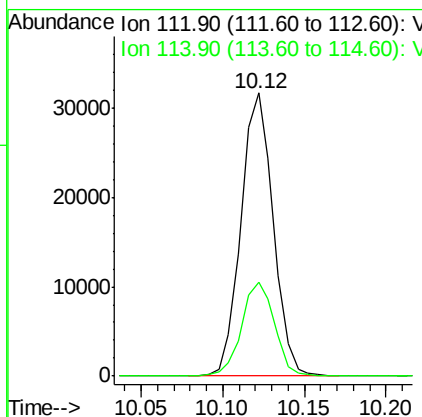
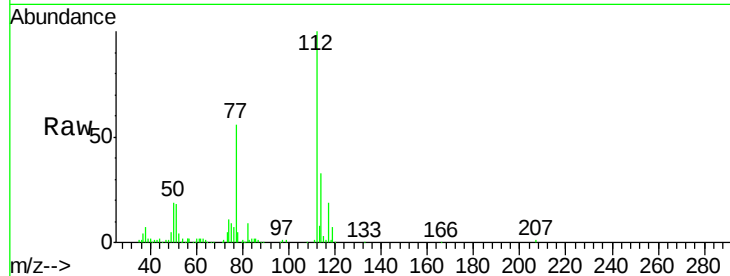
#65
Chlorobenzene
Concen: 4.853 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 43625
Ion Ratio Lower Upper
112 100
114 33.2 26.0 39.0

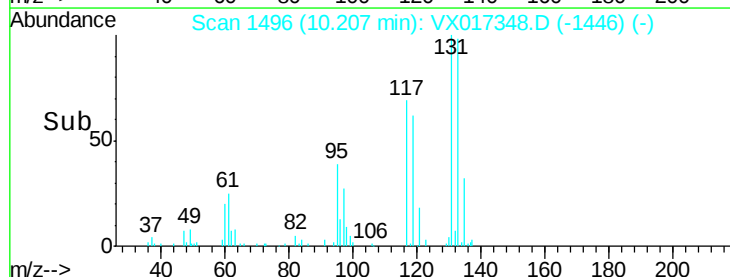
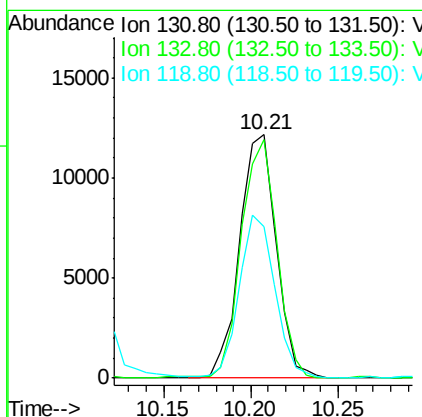
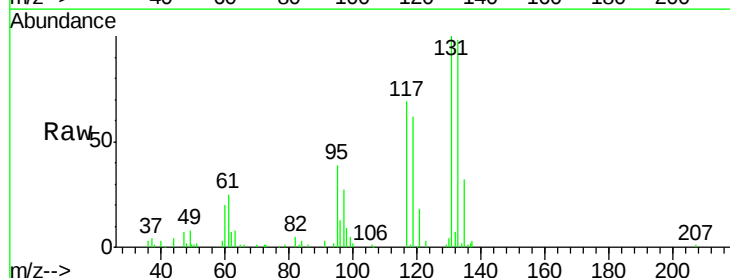
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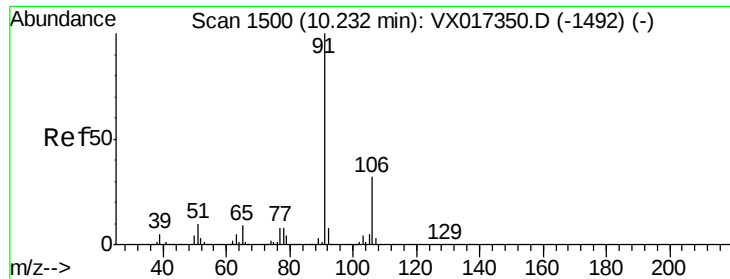
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.086 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion:131 Resp: 17739
Ion Ratio Lower Upper
131 100
133 95.5 48.4 145.2
119 65.5 31.2 93.6





#67

Ethyl Benzene

Concen: 4.735 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 70956

Ion Ratio Lower Upper

91 100

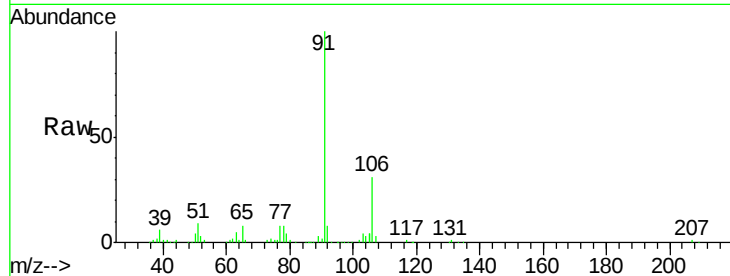
106 31.4 25.7 38.5

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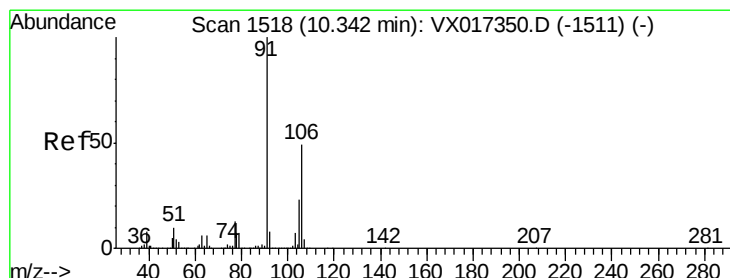
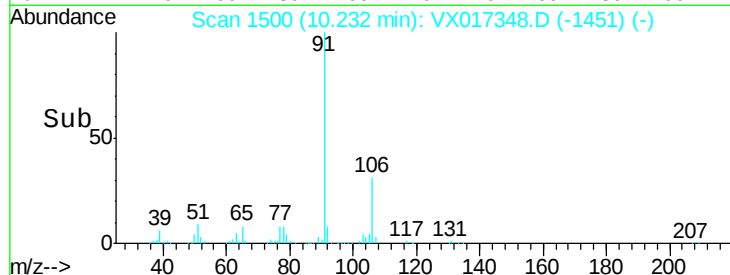
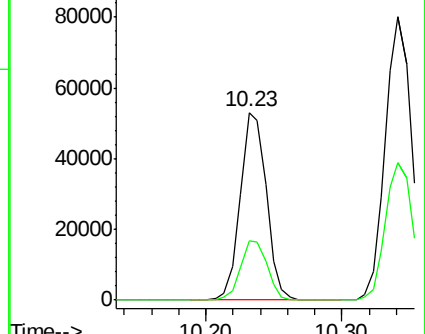
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 9.413 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017348.D

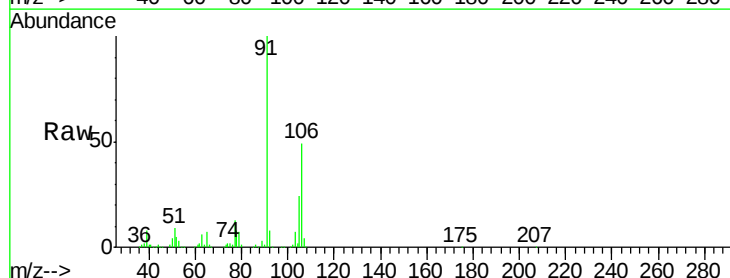
Acq: 13 Jul 2020 10:38

Tgt Ion: 106 Resp: 54155

Ion Ratio Lower Upper

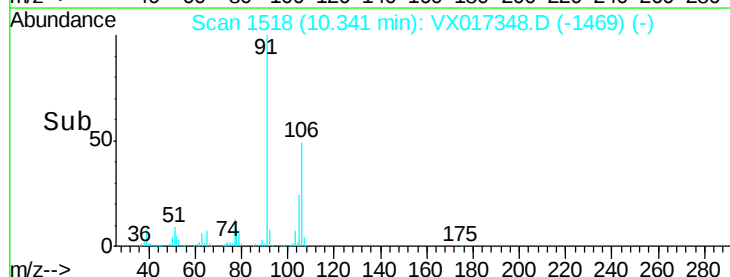
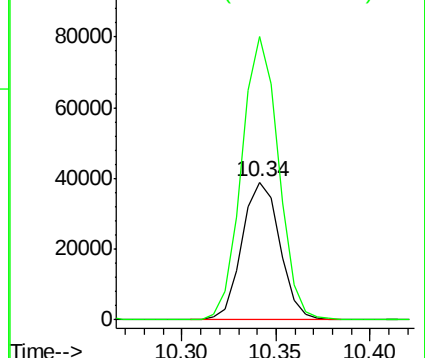
106 100

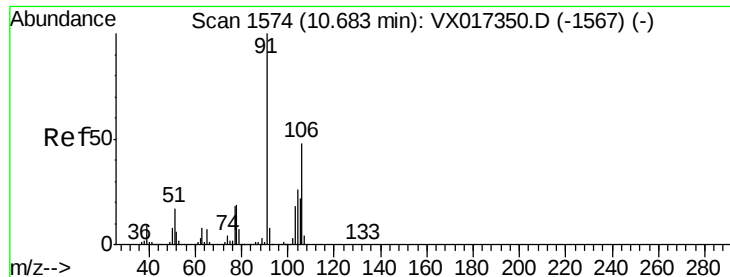
91 201.3 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





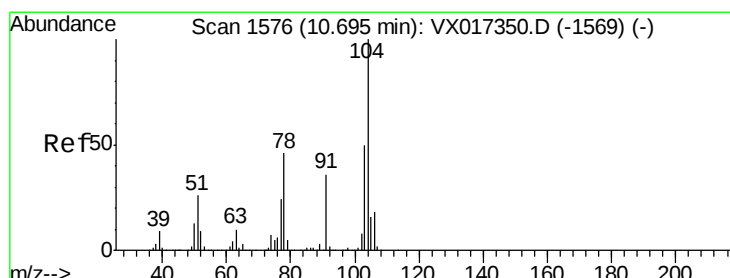
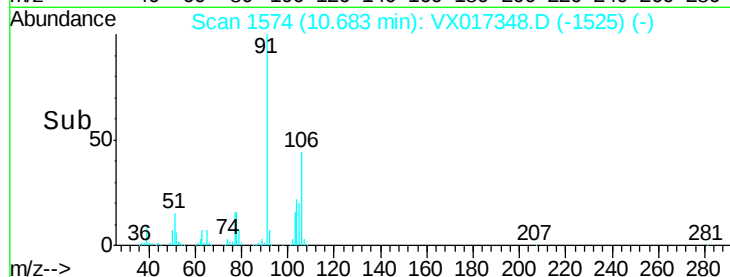
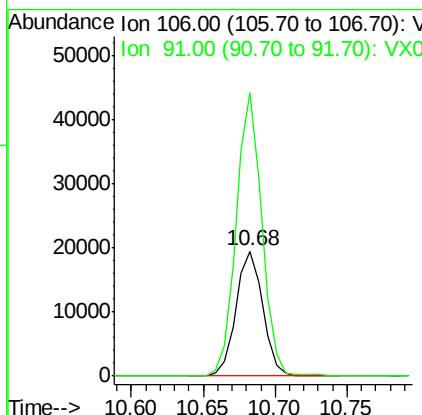
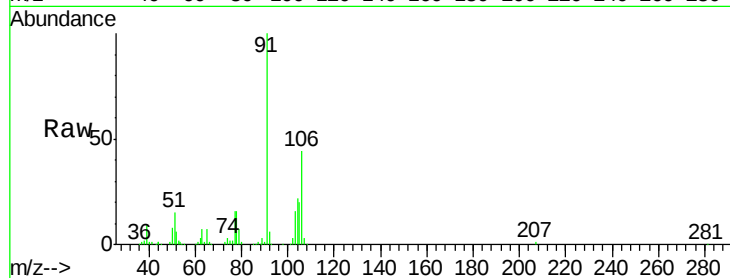
#69
o-Xylene
Concen: 4.618 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 25352
Ion Ratio Lower Upper
106 100
91 216.8 106.1 318.1

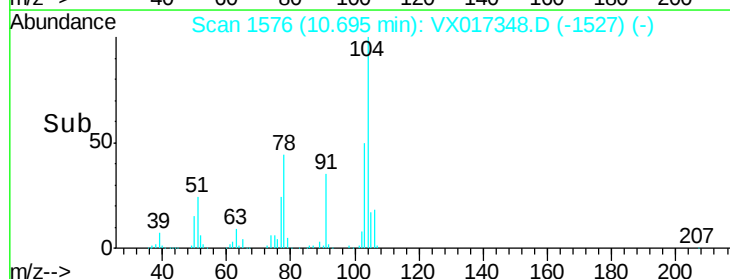
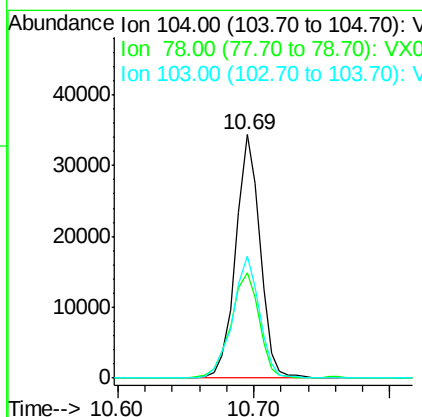
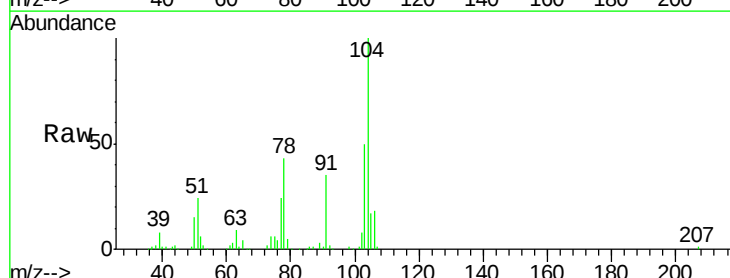
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#70
Styrene
Concen: 4.599 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion:104 Resp: 42934
Ion Ratio Lower Upper
104 100
78 50.5 40.8 61.2
103 55.1 43.3 64.9





#71

Bromoform

Concen: 5.041 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

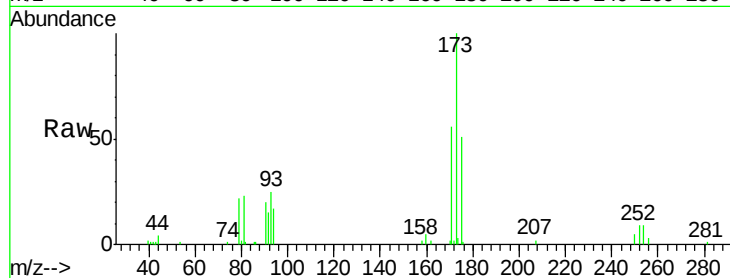
ClientSampleId :

VSTDIC005

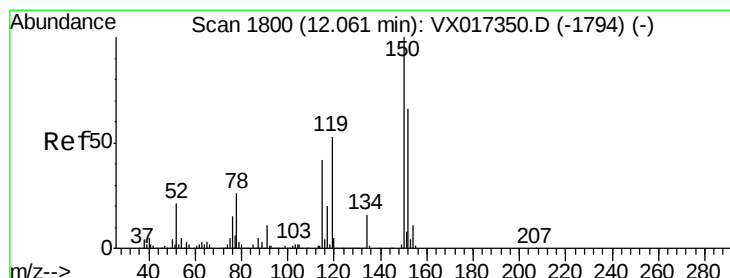
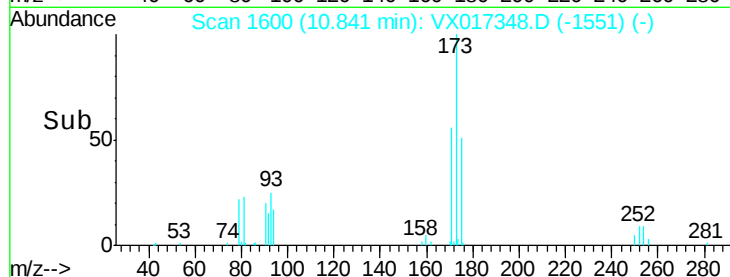
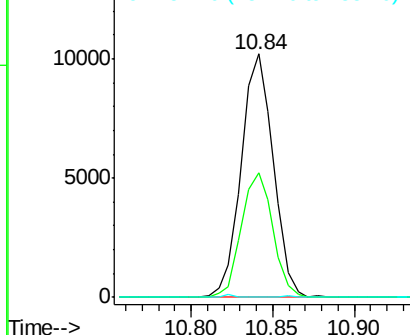
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.7	74.1
254	0.3	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

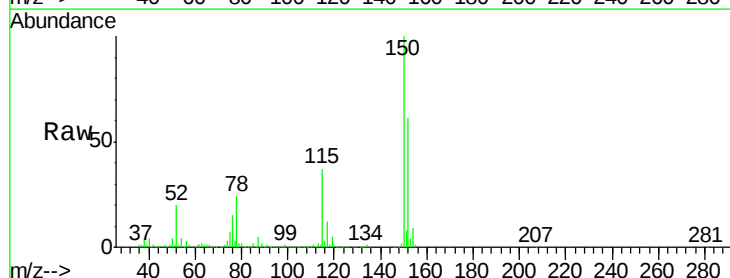
RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

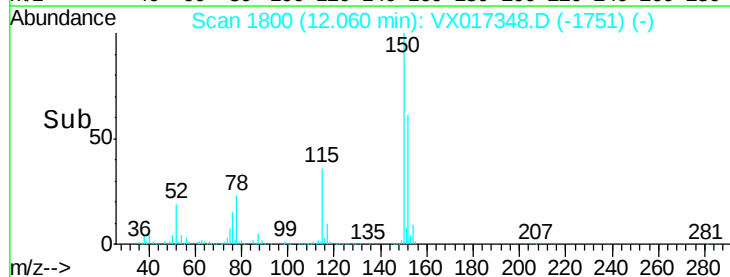
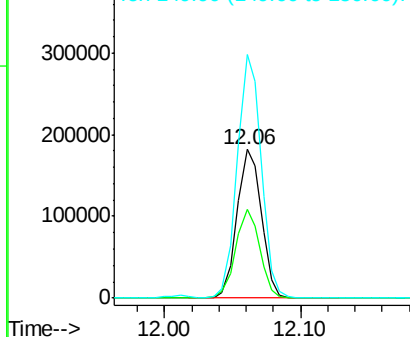
Lab File: VX017348.D

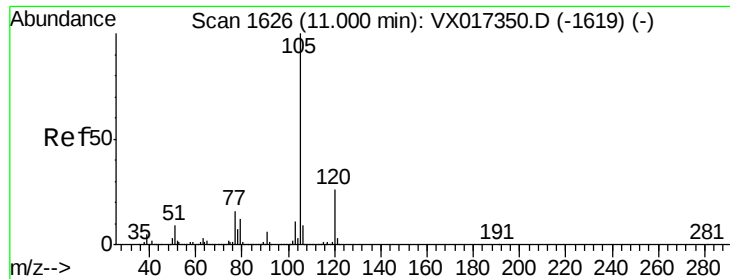
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	39.9	119.7
150	161.5	0.0	343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.727 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 69698

Ion Ratio Lower Upper

105 100

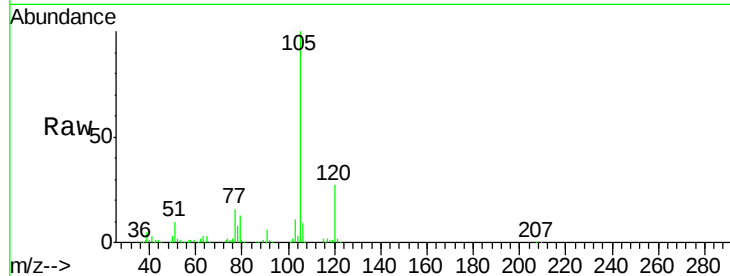
120 26.7 13.3 39.8

Manual Integrations

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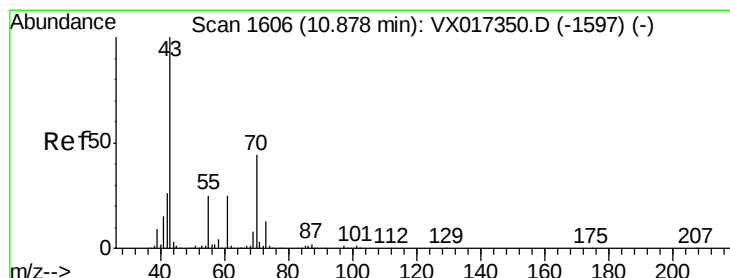
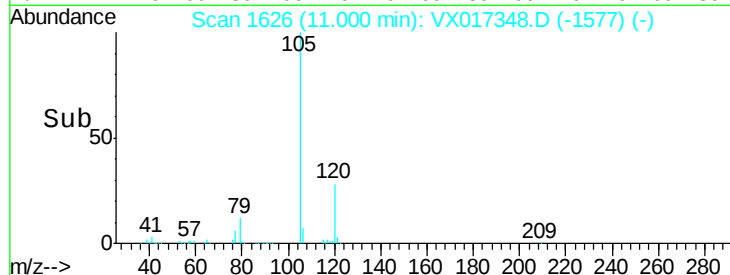
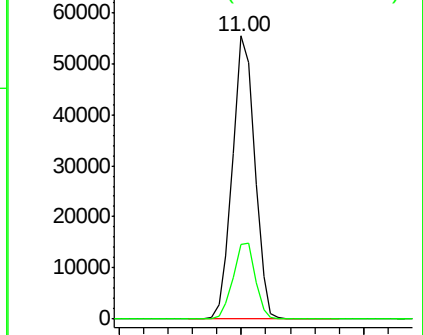
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.210 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Tgt Ion: 43 Resp: 26169

Ion Ratio Lower Upper

43 100

70 44.3 35.7 53.5

55 26.2 20.3 30.5

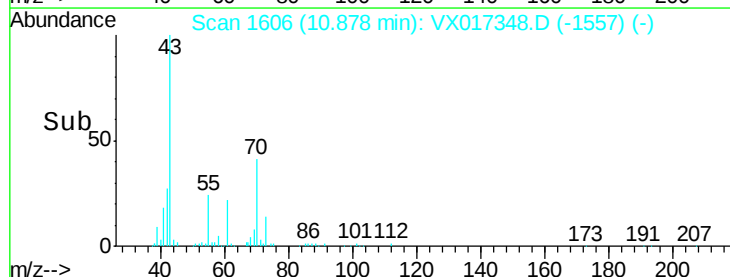
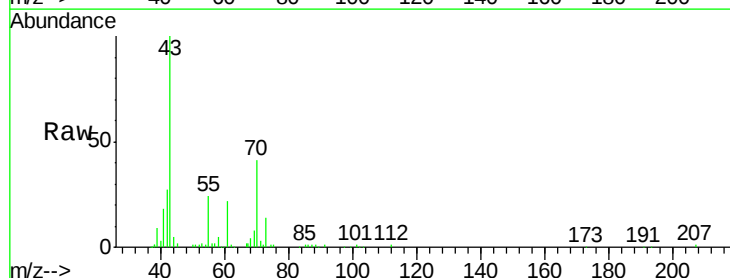
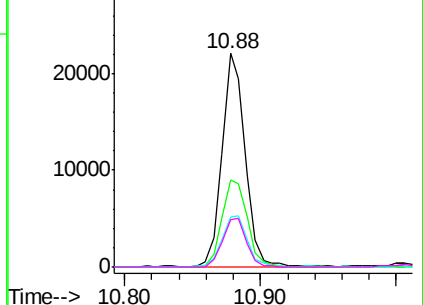
61 23.1 20.0 30.0

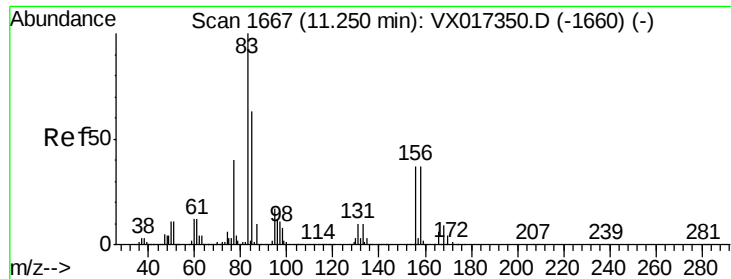
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 4.724 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

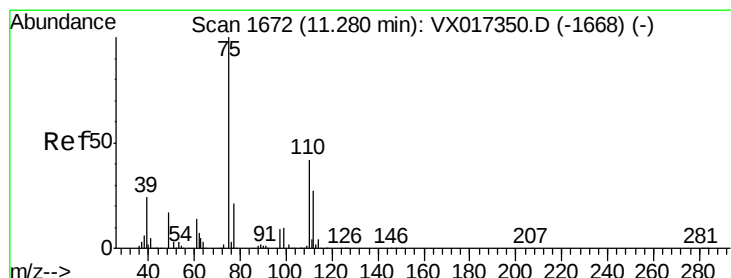
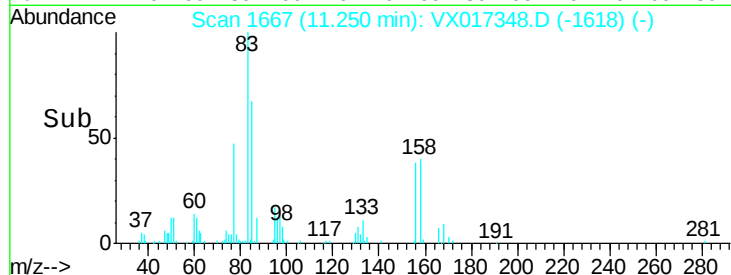
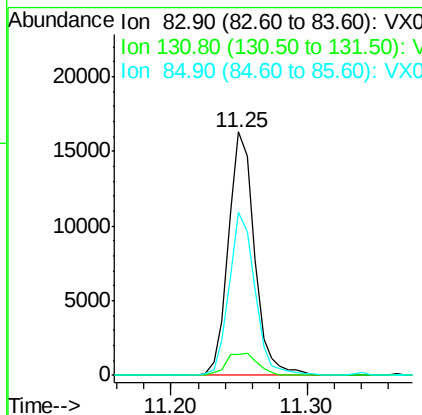
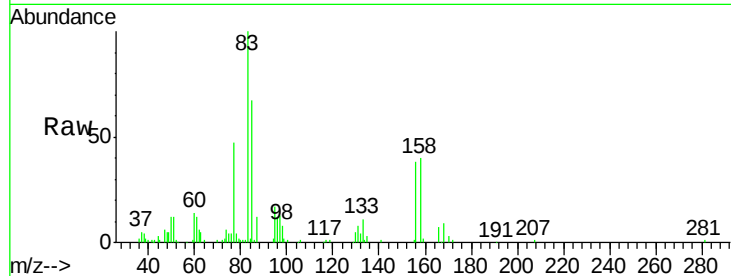
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21782
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.7
85	66.4	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.013 ug/l m

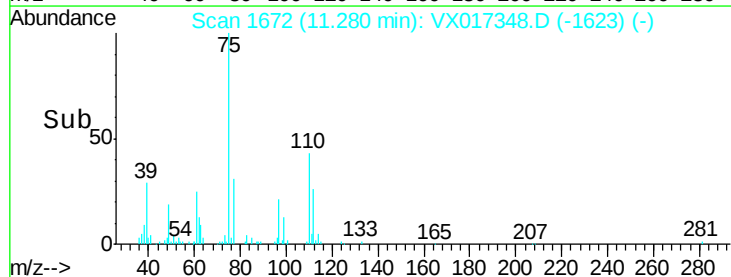
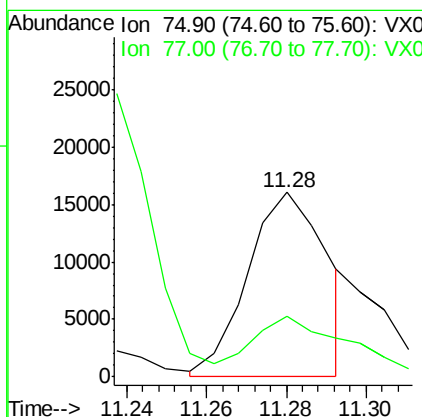
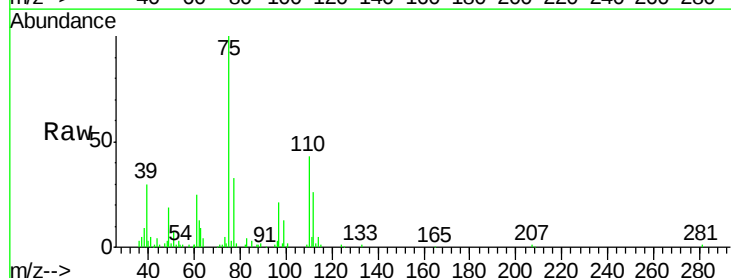
RT: 11.28 min Scan# 1672

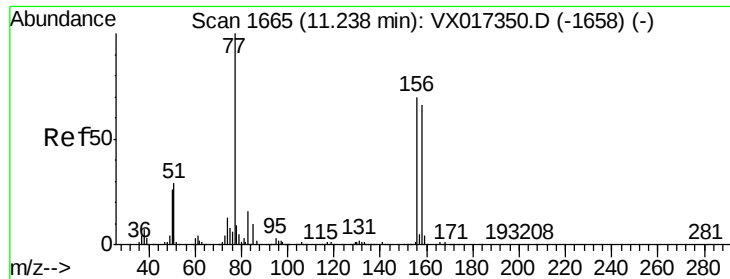
Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Tgt Ion:	75	Resp:	22065
Ion Ratio	Lower	Upper	
75	100		
77	40.5	20.3	60.9





#77

Bromobenzene

Concen: 4.805 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

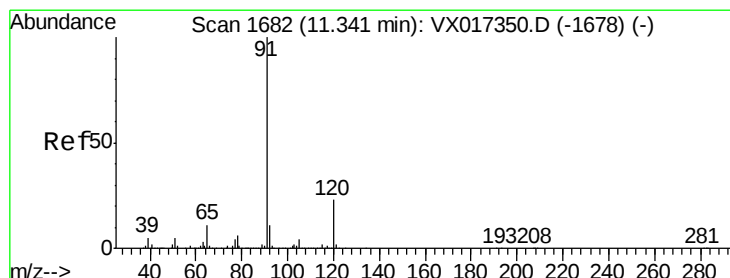
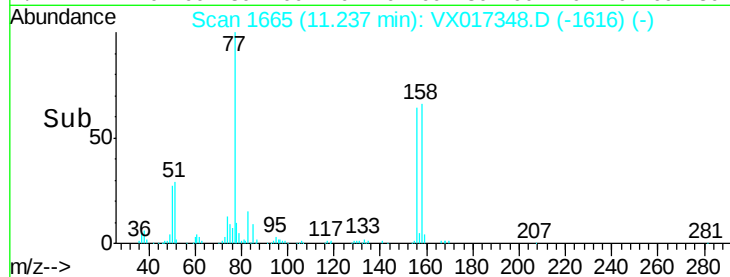
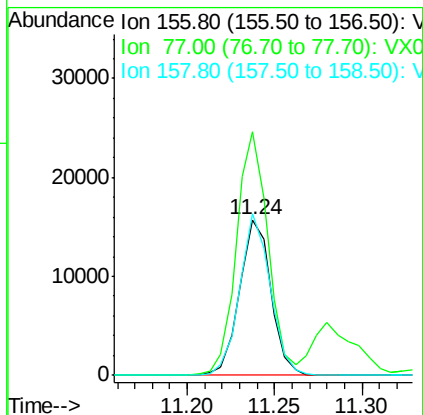
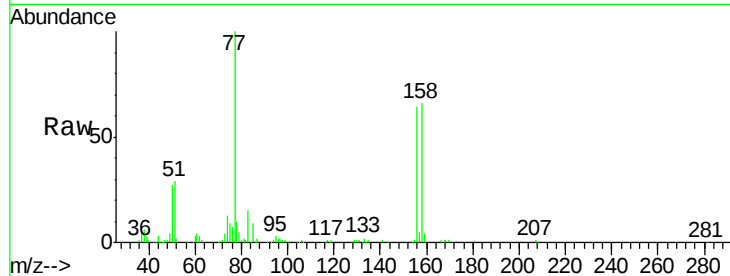
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	19631
Ion Ratio	Lower	Upper	
156	100		
77	157.3	72.1	216.3
158	101.2	47.4	142.3

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7/14/2020 11:35:45 AM



#78

n-propylbenzene

Concen: 4.604 ug/l

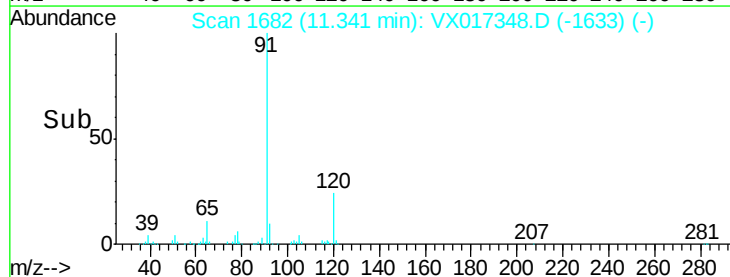
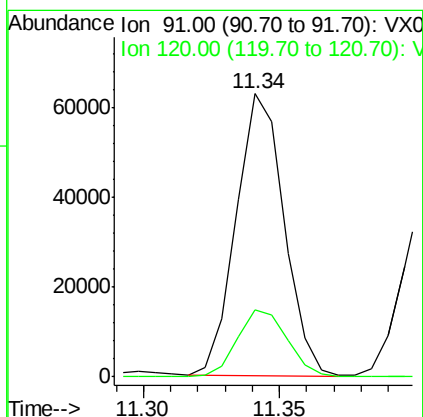
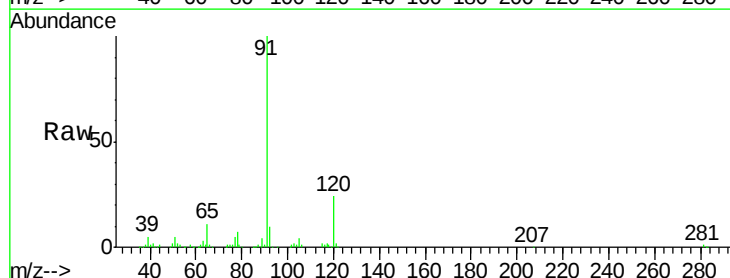
RT: 11.34 min Scan# 1682

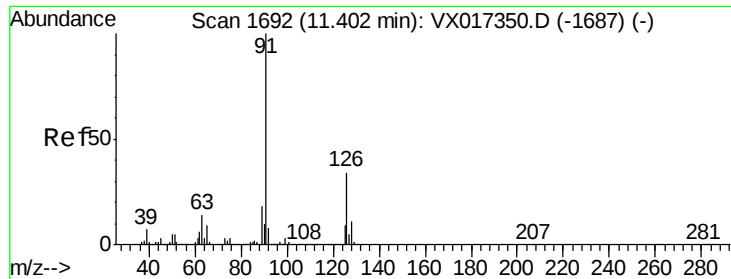
Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Tgt Ion:	91	Resp:	76809
Ion Ratio	Lower	Upper	
91	100		
120	24.9	11.9	35.9





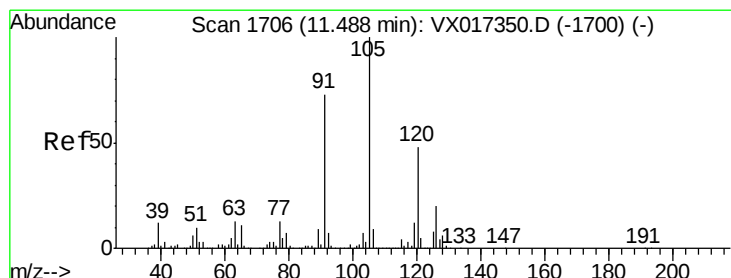
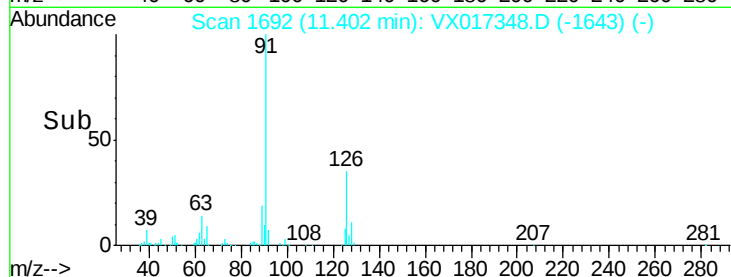
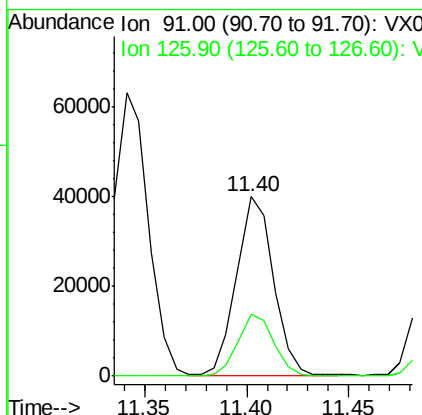
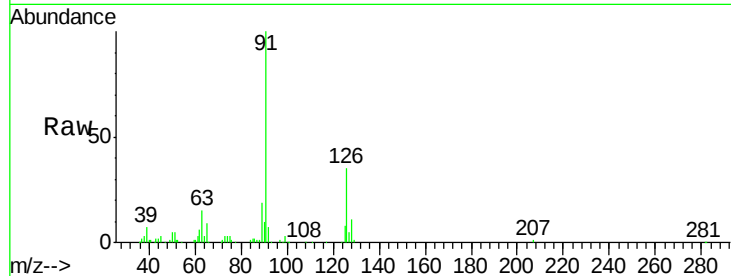
#79
2-Chlorotoluene
Concen: 4.925 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 49731
Ion Ratio Lower Upper
91 100
126 34.5 17.4 52.3

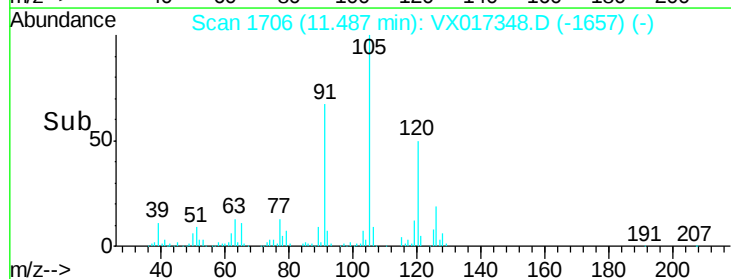
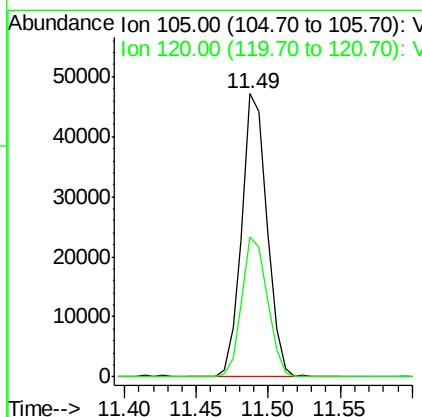
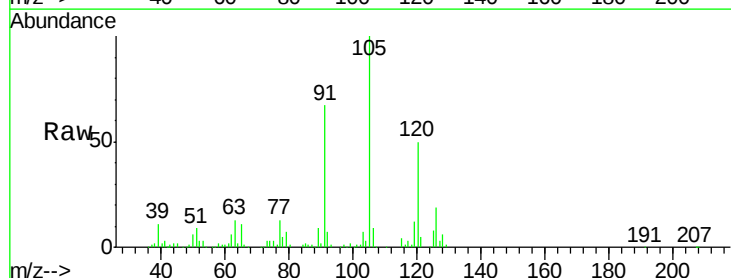
Manual Integrations
APPROVED

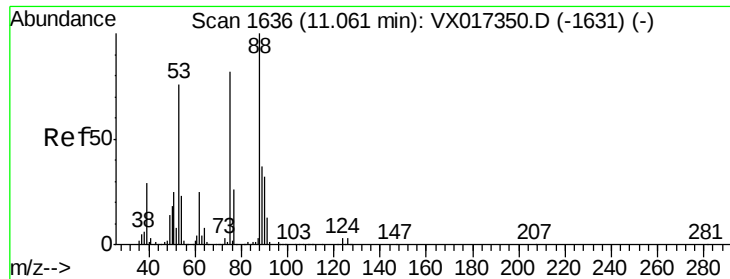
MMDadoda
7/14/2020 11:35:45 AM



#80
1,3,5-Trimethylbenzene
Concen: 4.709 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion: 105 Resp: 57656
Ion Ratio Lower Upper
105 100
120 50.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 4.624 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

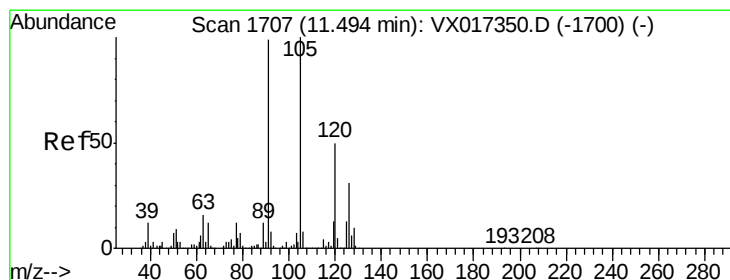
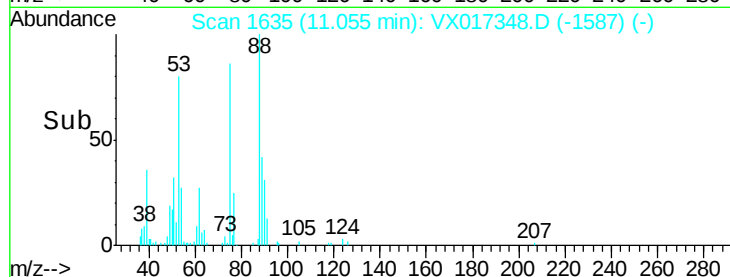
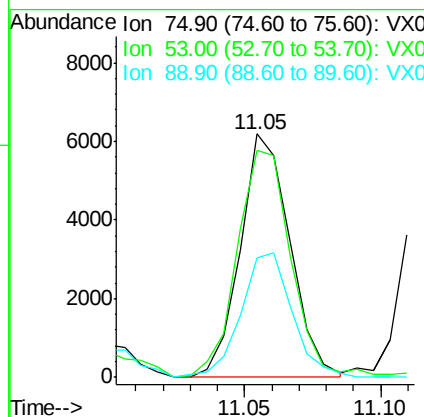
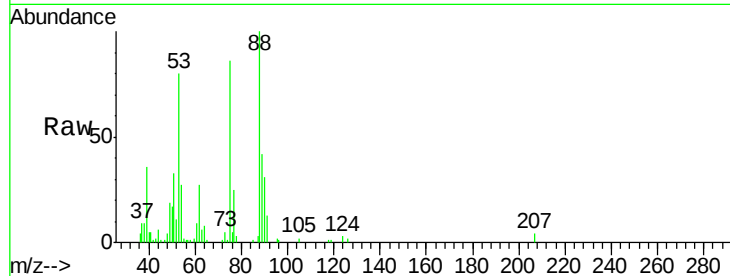
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	7835
Ion	Ratio	Lower	Upper
75	100		
53	102.8	76.5	114.7
89	52.6	38.1	57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.736 ug/l

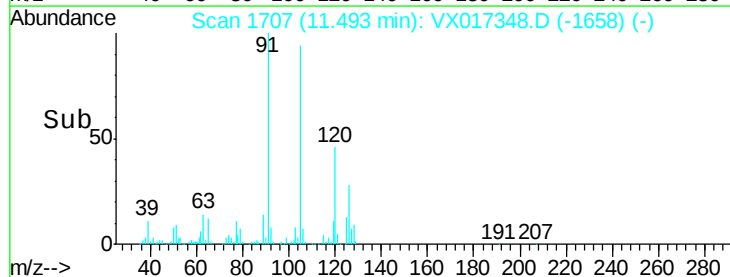
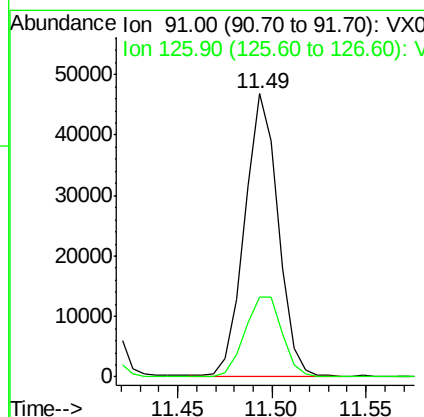
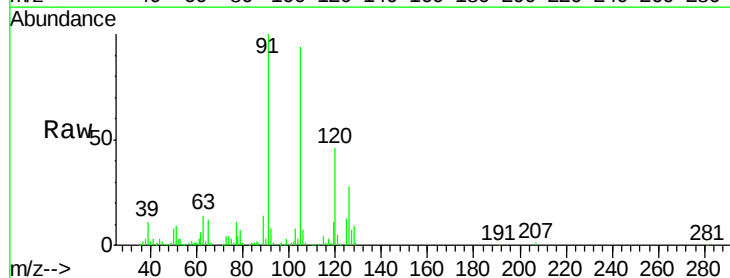
RT: 11.49 min Scan# 1707

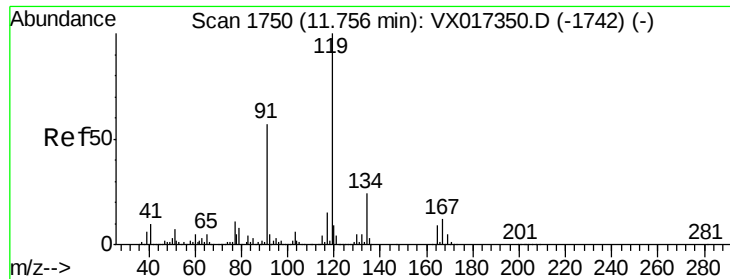
Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Tgt Ion:	91	Resp:	57249
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.4	46.2





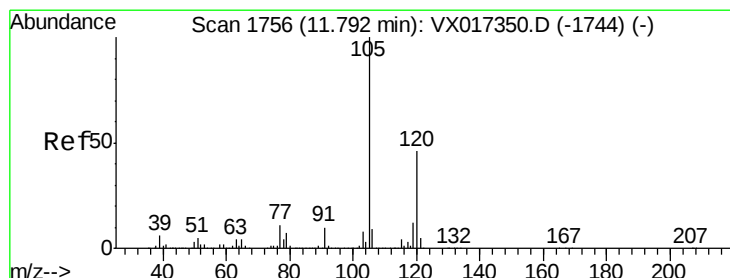
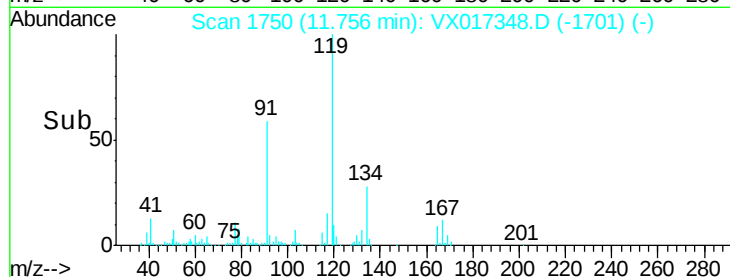
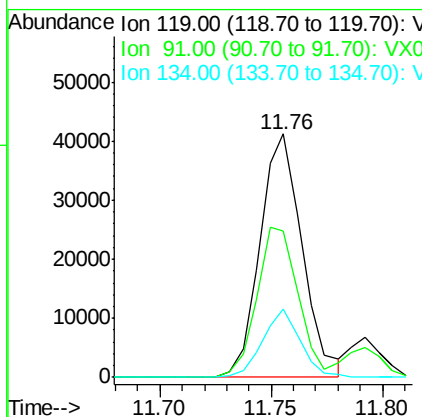
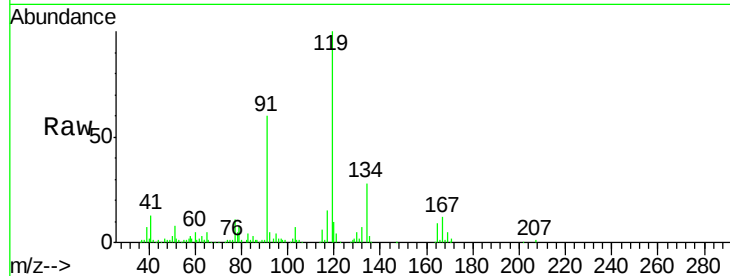
#83
tert-Butylbenzene
Concen: 4.513 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.2	28.5	85.6
134	25.0	11.9	35.9

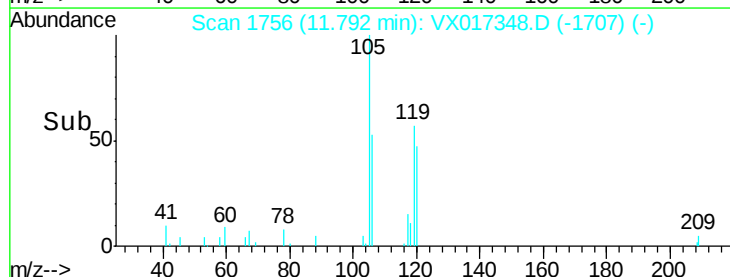
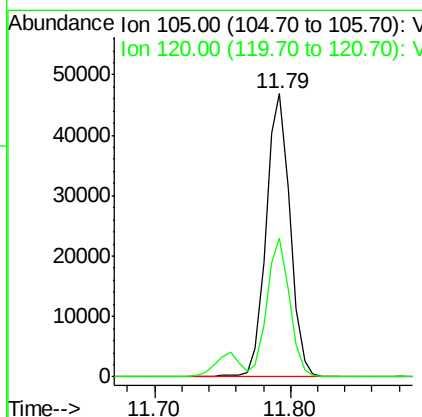
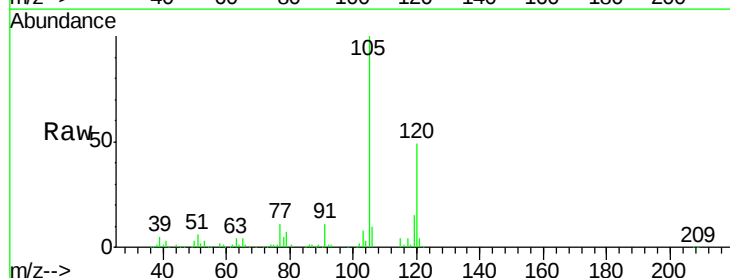
Manual Integrations
APPROVED

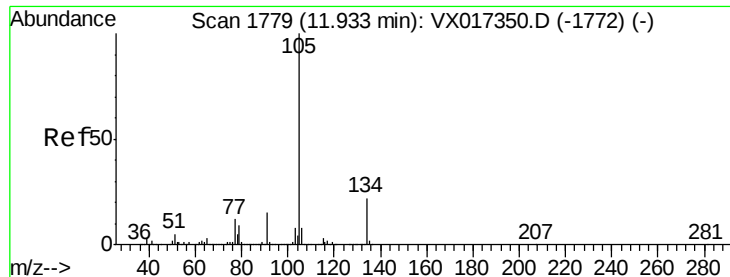
MMDadoda
7/14/2020 11:35:45 AM



#84
1,2,4-Trimethylbenzene
Concen: 4.669 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.8	68.4





#85

sec-Butylbenzene

Concen: 4.610 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 65151

Ion Ratio Lower Upper

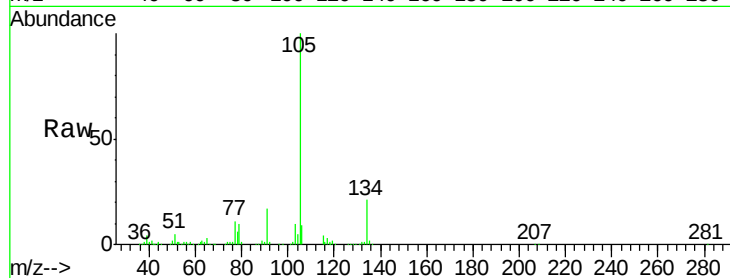
105 100

134 20.9 10.5 31.5

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

Ion 134.00 (133.70 to 134.70): V

11.93

60000

50000

40000

30000

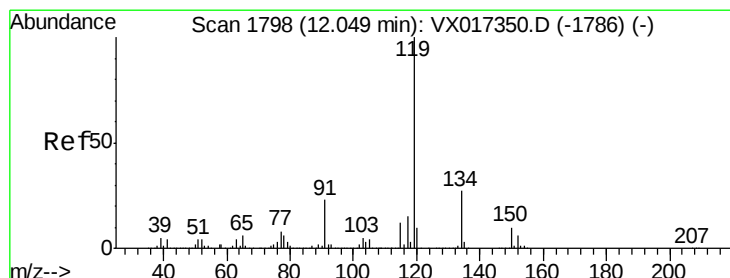
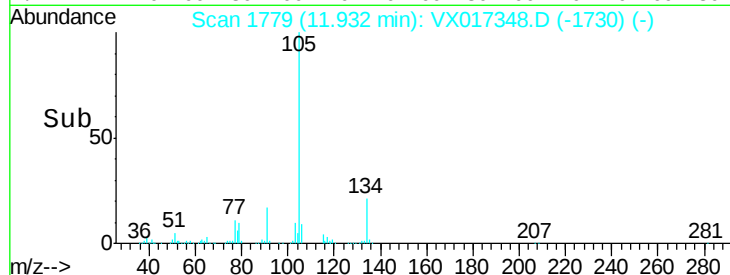
20000

10000

0

Time-->

11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 4.612 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

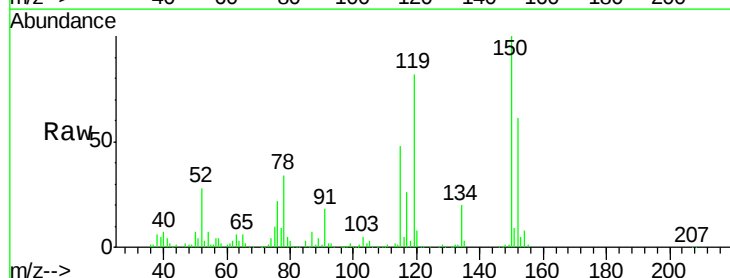
Tgt Ion:119 Resp: 60594

Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.5

91 24.7 11.8 35.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.05

60000

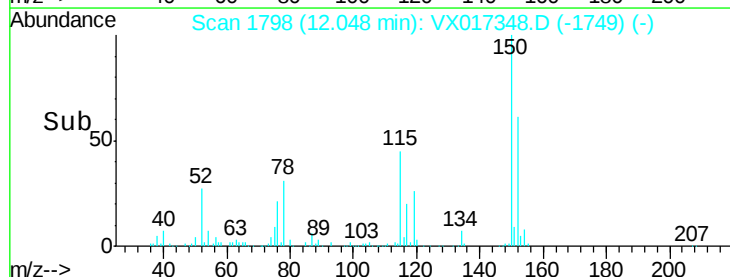
40000

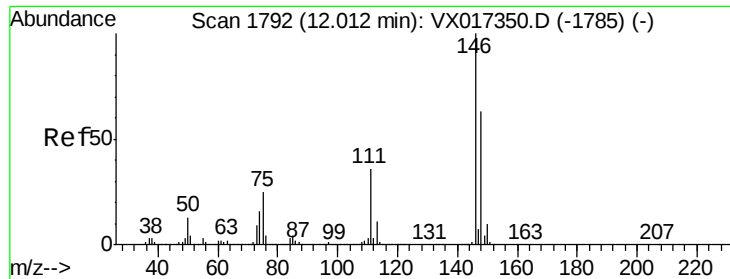
20000

0

Time-->

12.00 12.10





#87

1,3-Dichlorobenzene

Concen: 4.815 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Instrument :

MSVOA_X

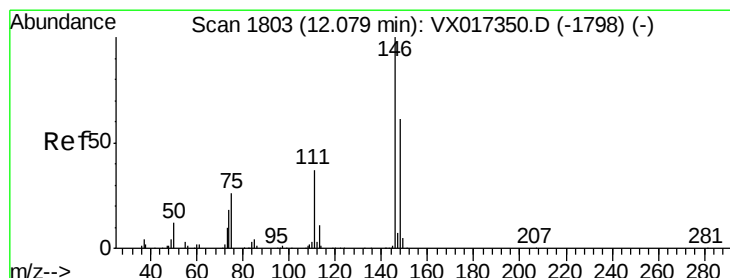
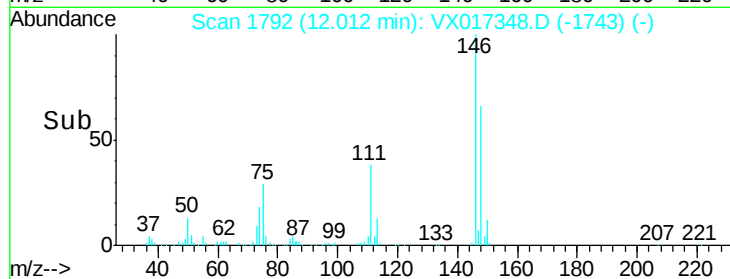
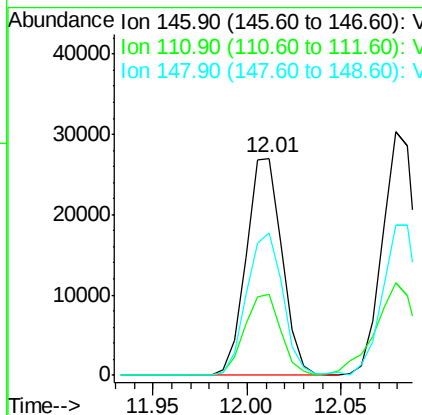
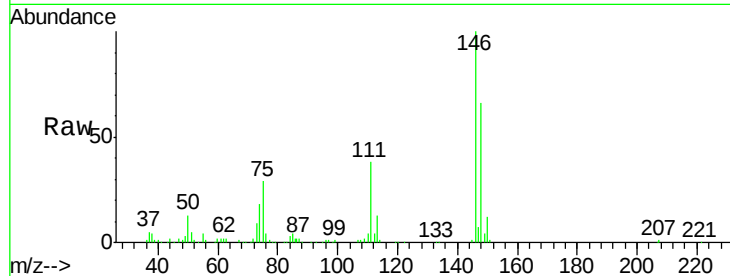
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	35771
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.2	57.6
148	65.9	31.6	95.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.047 ug/l

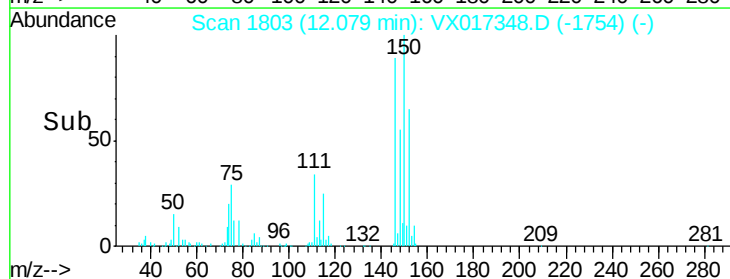
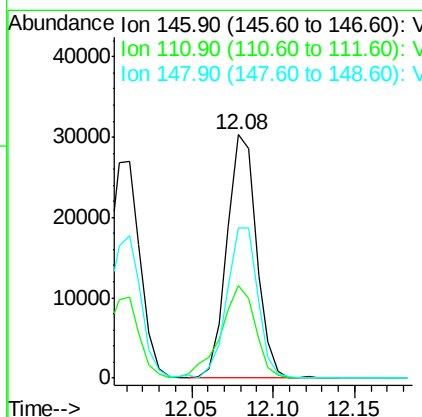
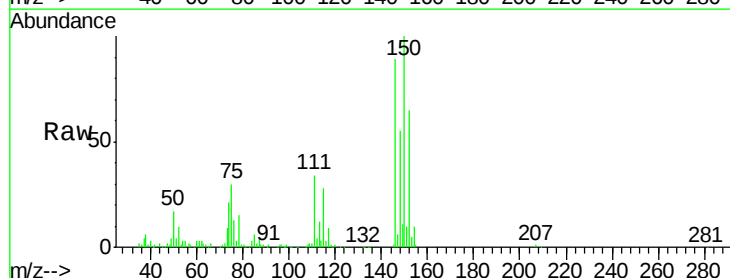
RT: 12.08 min Scan# 1803

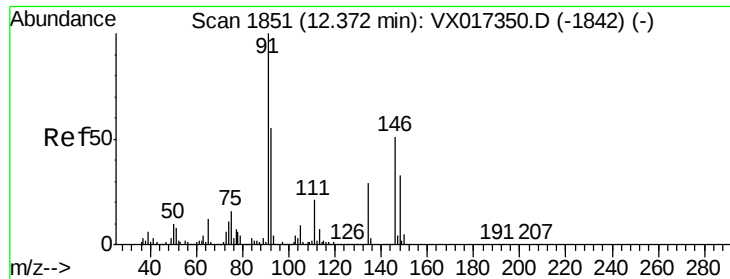
Delta R.T. -0.00 min

Lab File: VX017348.D

Acq: 13 Jul 2020 10:38

Tgt Ion:	146	Resp:	38251
Ion Ratio	Lower	Upper	
146	100		
111	44.6	18.9	56.9
148	64.7	31.9	95.9





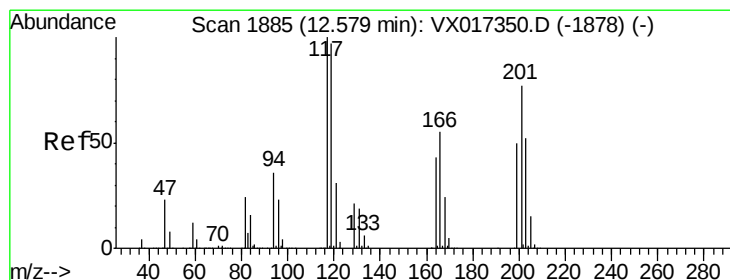
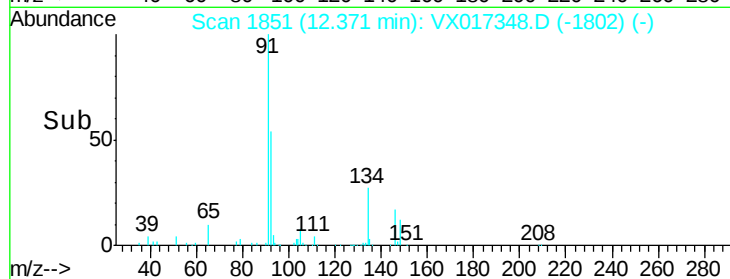
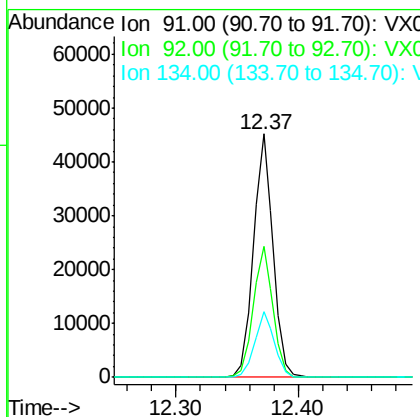
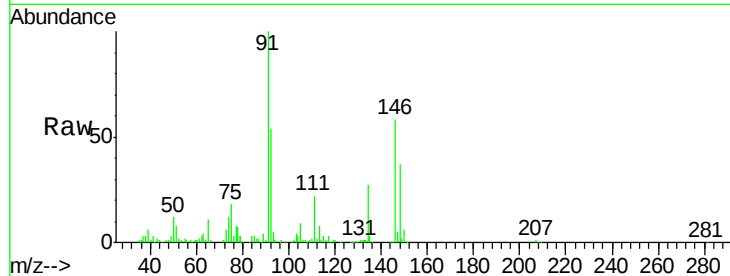
#89
n-Butylbenzene
Concen: 4.333 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.0	81.0
134	27.0	14.1	42.2

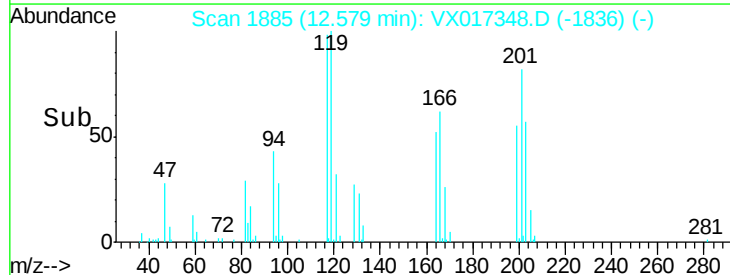
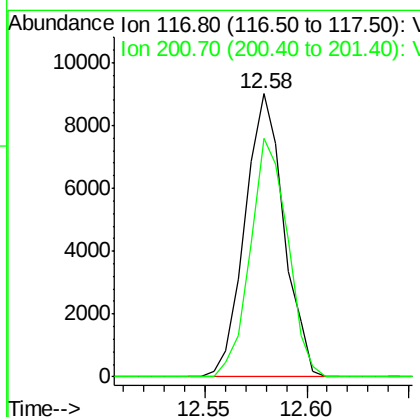
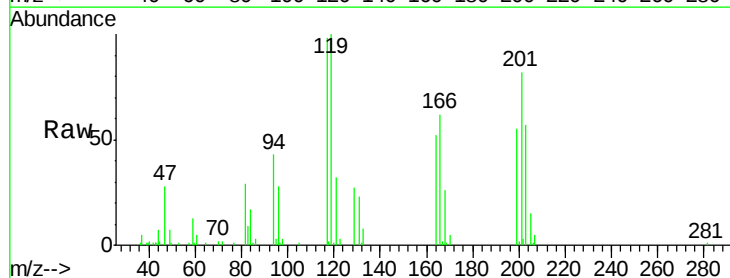
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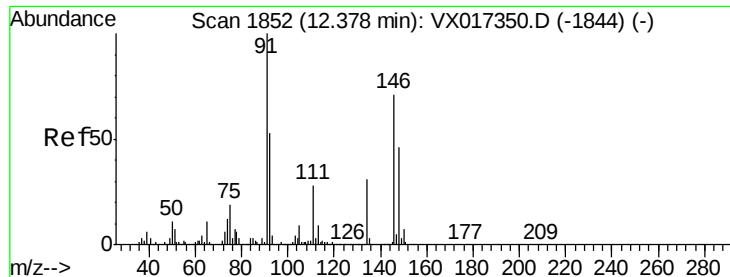
MMDadoda
7/14/2020 11:35:45 AM



#90
Hexachloroethane
Concen: 4.622 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	41.0	123.0





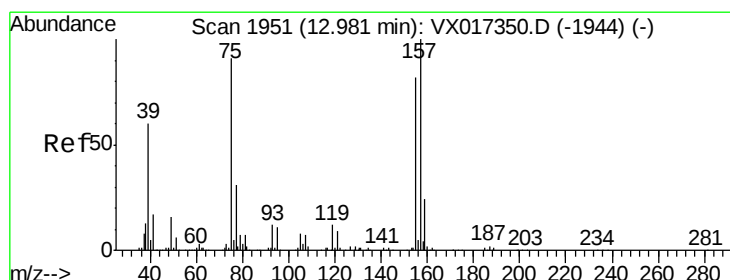
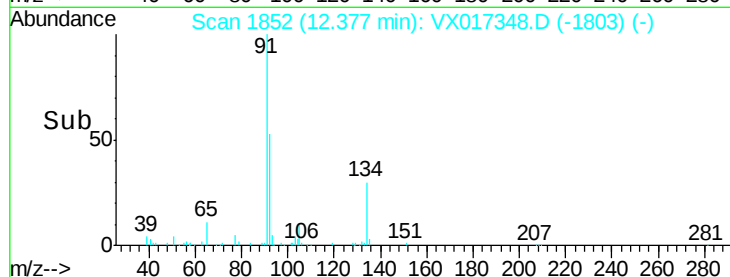
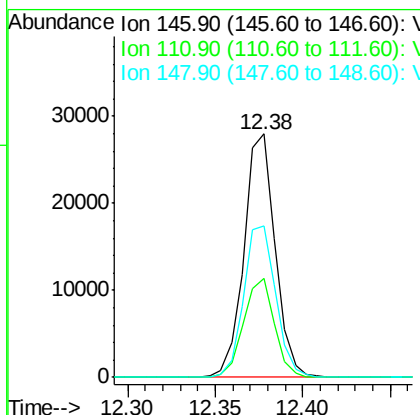
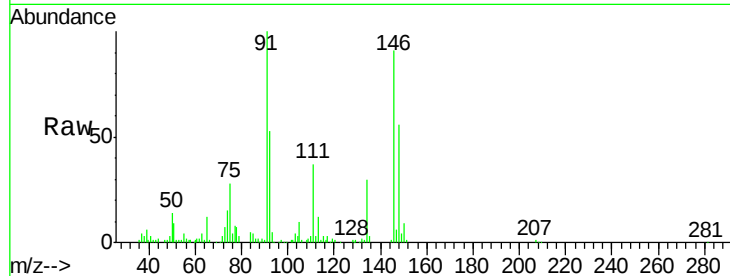
#91
 1,2-Dichlorobenzene
 Concen: 5.001 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX017348.D
 Acq: 13 Jul 2020 10:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	61.0
148	64.3	32.0	96.0

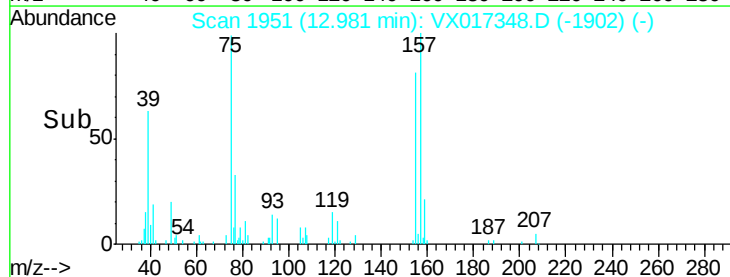
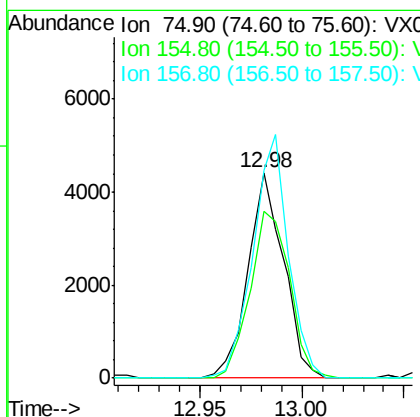
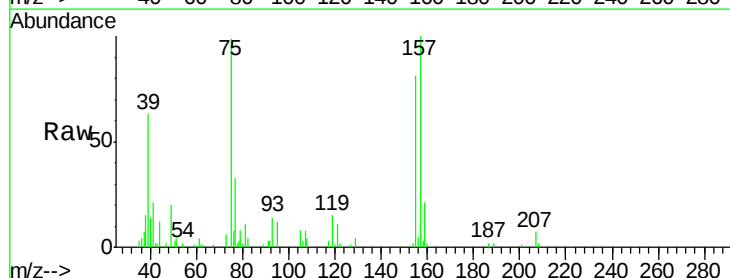
Manual Integrations
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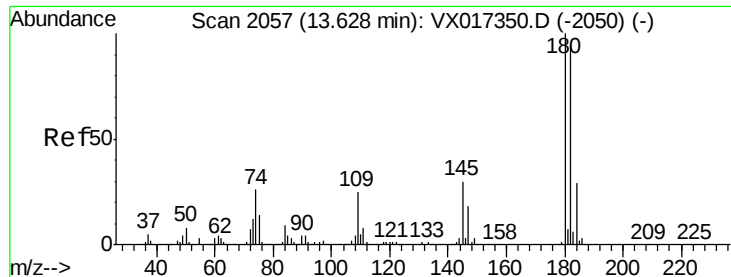
MMDadoda
 7/14/2020 11:35:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.829 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX017348.D
 Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	46.5	139.3
157	117.4	58.0	173.9





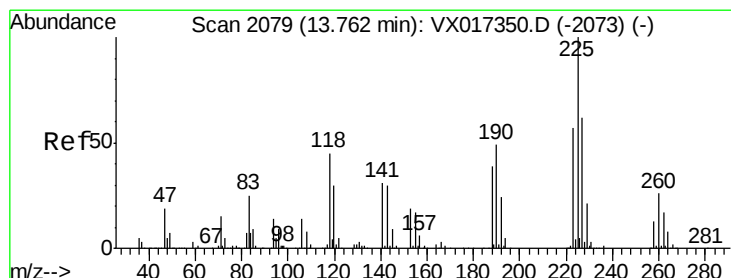
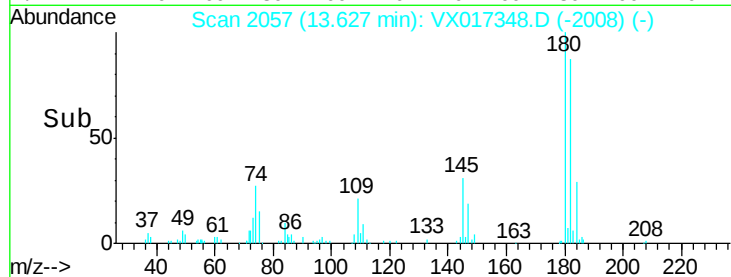
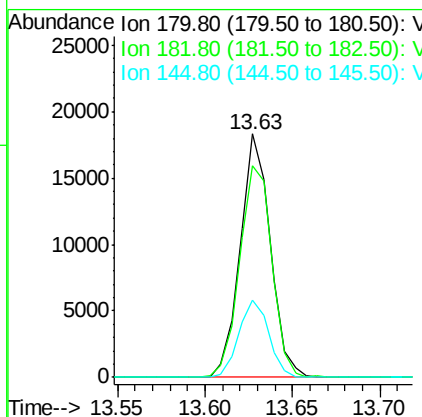
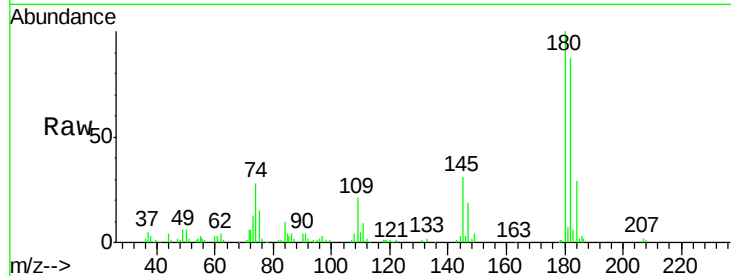
#93
 1,2,4-Trichlorobenzene
 Concen: 4.626 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017348.D
 Acq: 13 Jul 2020 10:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.4	145.0
145	31.7	15.3	45.8

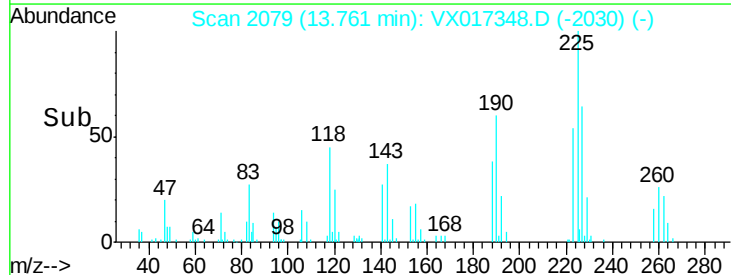
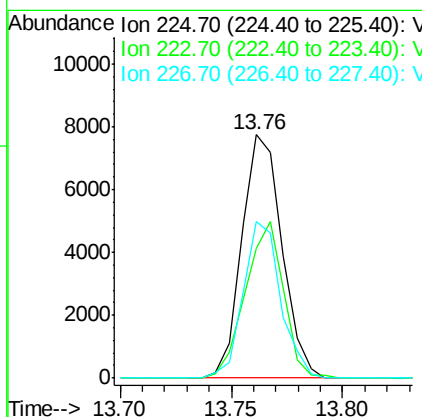
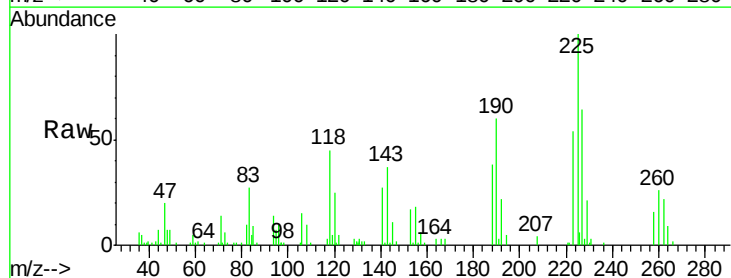
Manual Integrations
 APPROVED

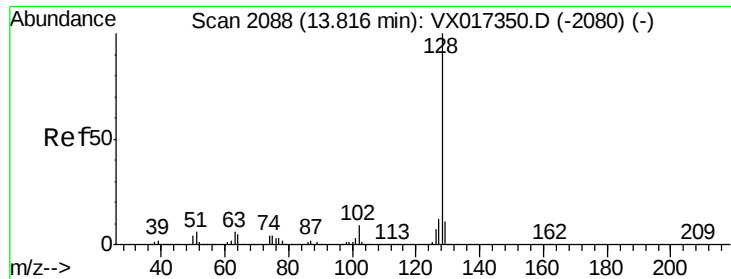
MMDadoda
 7/14/2020 11:35:45 AM



#94
 Hexachlorobutadiene
 Concen: 5.039 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VX017348.D
 Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.3	93.8
227	59.8	31.6	95.0





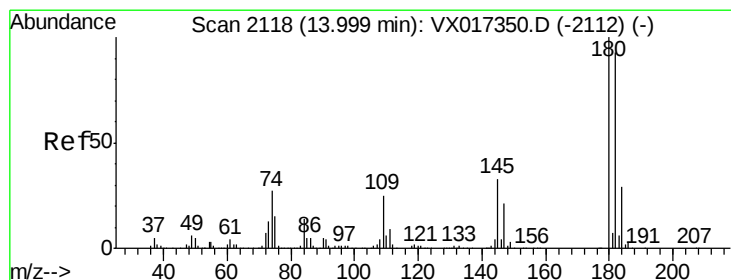
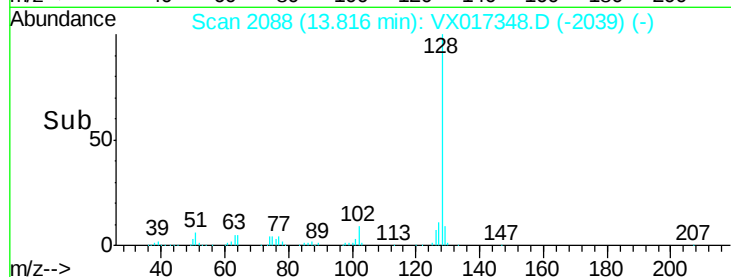
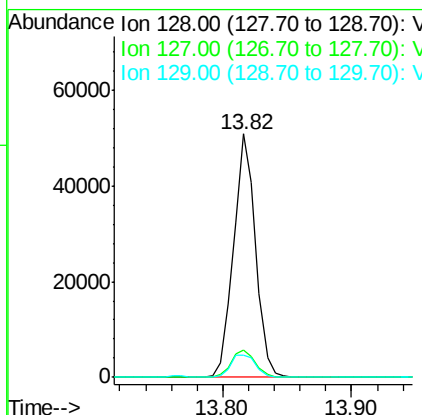
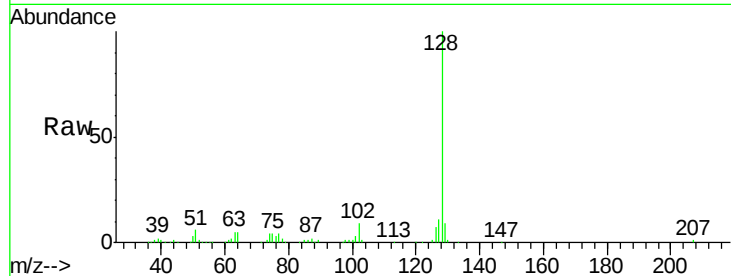
#95
Naphthalene
Concen: 4.284 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.4
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:35:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.717 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX017348.D
Acq: 13 Jul 2020 10:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.8	146.3
145	33.3	16.6	49.7

