

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062520\
 Data File : VX016948.D
 Acq On : 25 Jun 2020 12:39
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 6/26/2020 3:33:40 PM

Quant Time: Jun 26 08:56:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 08:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	37947	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.83	114	216122	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	196272	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	90481	30.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.10%
60) 4-Bromofluorobenzene	11.12	95	94774	28.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.50%
63) Toluene-d8	8.70	98	264088	30.52	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	10127	5.488	ug/l 98
3) Chloromethane	1.32	50	13548	5.414	ug/l 98
4) Vinyl Chloride	1.39	62	14074	5.515	ug/l 94
5) Bromomethane	1.63	94	11598	6.312	ug/l 99
6) Chloroethane	1.71	64	8945	5.435	ug/l 99
7) Trichlorofluoromethane	1.92	101	22725	5.476	ug/l 98
8) Diethyl Ether	2.17	74	8260	5.470	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	12609	5.725	ug/l 97
10) 1,1-Dichloroethene	2.36	96	11837	5.449	ug/l 93
11) Methyl Iodide	2.49	142	13497	4.653	ug/l 88
12) Methyl Acetate	2.75	43	14754	5.384	ug/l 100
13) Acrolein	2.27	56	11205	25.914	ug/l 98
14) Acrylonitrile	3.12	53	33558	25.857	ug/l 96
15) Acetone	2.42	58	9060	26.975	ug/l 89
16) Carbon Disulfide	2.55	76	38398	5.623	ug/l 100
17) Allyl chloride	2.70	41	20411	5.019	ug/l 98
18) Methylene Chloride	2.83	84	15291	5.844	ug/l 90
19) trans-1,2-Dichloroethene	3.14	96	13421	5.453	ug/l 89
20) Diisopropyl ether	3.82	45	41421	5.097	ug/l 98
21) 1,1-Dichloroethane	3.67	63	23783	5.307	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	14250	5.200	ug/l 100
23) tert-Butyl Alcohol	3.01	59	15140	99.520	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	39279	5.064	ug/l 97
25) Chloroform	5.17	83	24237	5.334	ug/l 84
26) Cyclohexane	5.54	56	20578	5.264	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	17935	5.094	ug/l 99
30) 2-Butanone	4.64	43	44155	24.061	ug/l 99
31) 2,2-Dichloropropane	4.55	77	21138	5.235	ug/l 97
32) 1,1,1-Trichloroethane	5.46	97	22008	5.166	ug/l # 86
33) Carbon Tetrachloride	5.75	117	19034	5.038	ug/l 97
34) Benzene	6.11	78	52223	5.094	ug/l 93
35) Methacrylonitrile	5.00	41	9795	4.836	ug/l 90
36) 1,2-Dichloroethane	6.16	62	20677	5.266	ug/l # 81
37) Trichloroethene	7.19	130	14534	5.196	ug/l 91
38) Methylcyclohexane	7.43	83	19997	4.987	ug/l 96
39) 1,2-Dichloropropane	7.49	63	13792	5.164	ug/l 97
40) Dibromomethane	7.63	93	9365	5.088	ug/l 99

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

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 6/26/2020 3:33:40 PM

Quant Time: Jun 26 08:56:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 08:49:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	18620	4.885	ug/l	97
42) Vinyl Acetate	3.78	43	173417	23.450	ug/l	99
43) Ethyl Acetate	4.79	43	19362m	5.106	ug/l	
44) Isopropyl Acetate	6.42	43	30460	4.861	ug/l	98
45) 1,4-Dioxane	7.72	88	5820	92.073	ug/l	92
46) Methyl methacrylate	7.74	41	12390	4.273	ug/l	95
47) n-amyl Acetate	10.88	43	24279	4.384	ug/l	97
48) t-1,3-Dichloropropene	9.02	75	20077	4.764	ug/l	96
49) cis-1,3-Dichloropropene	8.42	75	21476	4.849	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	13069	5.087	ug/l	95
51) Ethyl methacrylate	9.16	69	17029	4.319	ug/l	99
52) 1,3-Dichloropropane	9.35	76	21461	4.866	ug/l	90
53) Dibromochloromethane	9.56	129	14132	4.786	ug/l	98
54) 1,2-Dibromoethane	9.65	107	13679	5.018	ug/l	97
55) 2-Chloroethyl vinyl ether	8.29	63	47210	22.756	ug/l	99
56) Bromoform	10.84	173	9402	4.486	ug/l	97
58) 4-Methyl-2-Pentanone	8.62	43	87681	24.252	ug/l	98
59) 2-Hexanone	9.47	43	63077	23.377	ug/l	99
61) Tetrachloroethene	9.32	164	13995	5.591	ug/l	94
62) Toluene	8.76	91	55781	5.196	ug/l	97
64) Chlorobenzene	10.12	112	34655	5.153	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	12439	4.913	ug/l	98
66) Ethyl Benzene	10.23	91	58317	4.899	ug/l	100
67) m/p-Xylenes	10.34	106	43995	9.797	ug/l	99
68) o-Xylene	10.68	106	20830	4.829	ug/l	99
69) Styrene	10.70	104	33601	4.549	ug/l	99
70) Isopropylbenzene	11.00	105	57877	4.947	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	18094	5.035	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	17511m	5.075	ug/l	
73) Bromobenzene	11.24	156	14458	4.896	ug/l	94
74) n-propylbenzene	11.34	91	67403	4.852	ug/l	99
75) 2-Chlorotoluene	11.40	91	40508	5.000	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	46645	4.749	ug/l	99
77) t-1,4-Dichloro-2-butene	11.05	75	6823	4.879	ug/l	92
78) 4-Chlorotoluene	11.49	91	46886	4.888	ug/l	97
79) tert-butylbenzene	11.76	119	43984	4.675	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	47118	4.779	ug/l	100
81) sec-Butylbenzene	11.93	105	54505	4.785	ug/l	98
82) p-Isopropyltoluene	12.05	119	48926	4.757	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	27199	5.140	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	27233	5.122	ug/l	99
85) n-Butylbenzene	12.37	91	44309	4.654	ug/l	99
86) Hexachloroethane	12.58	117	9470	4.705	ug/l	91
87) 1,2-Dichlorobenzene	12.38	146	24939	5.035	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	3894	4.763	ug/l	95
89) 1,2,4-Trichlorobenzene	13.63	180	16537	4.949	ug/l	97
90) Hexachlorobutadiene	13.77	225	6991	5.500	ug/l	95
91) Naphthalene	13.82	128	49878	4.554	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	16607	5.092	ug/l	97

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Sample : VSTDICC005
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

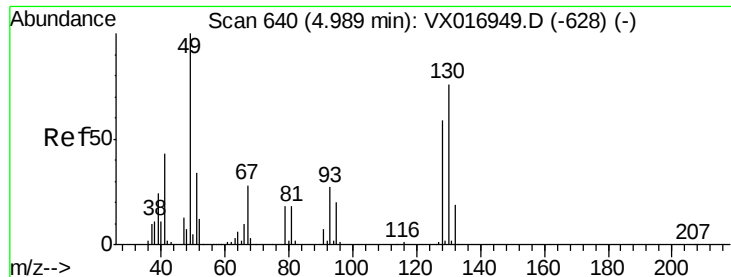
Manual Integrations
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Quant Time: Jun 26 08:56:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 26 08:49:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 37947

Ion Ratio Lower Upper

128 100

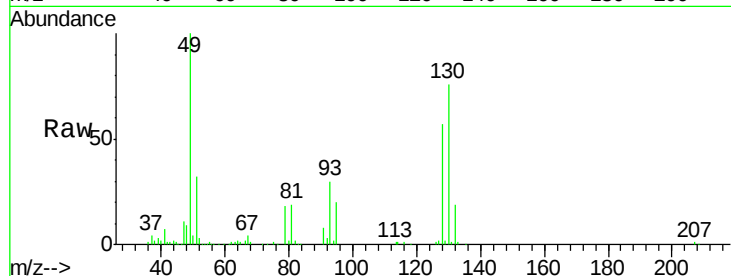
49 173.3 0.0 428.0

130 129.6 0.0 318.0

Manual Integrations
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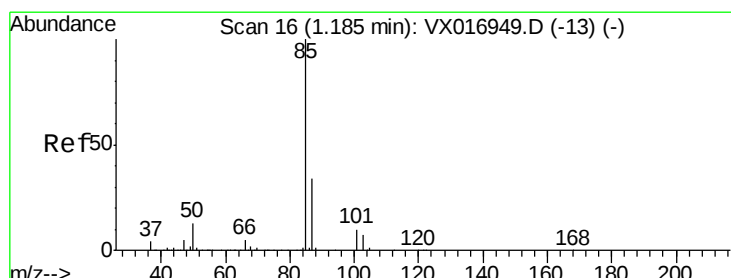
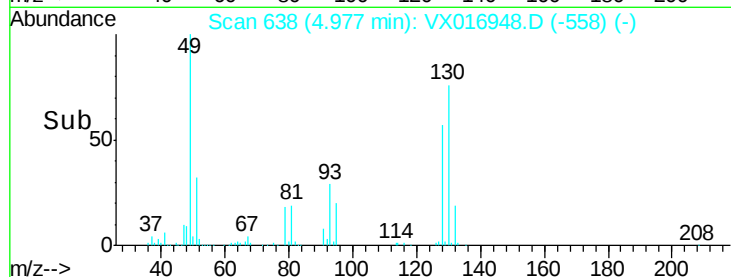
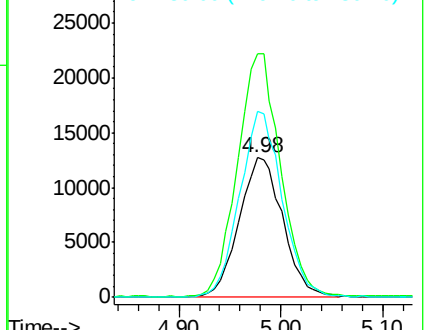
6/26/2020 3:33:40 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.488 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016948.D

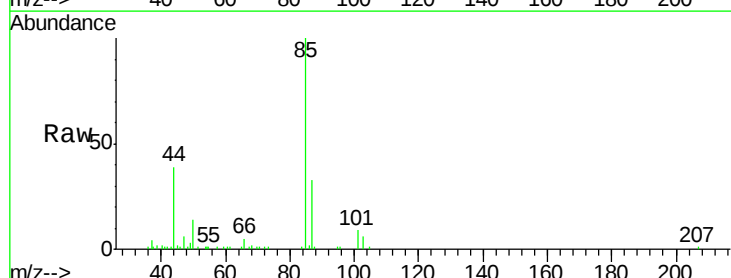
Acq: 25 Jun 2020 12:39

Tgt Ion: 85 Resp: 10127

Ion Ratio Lower Upper

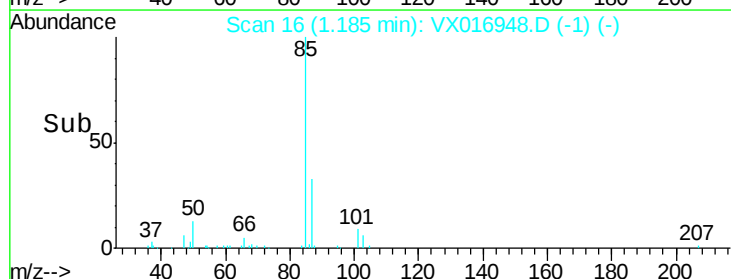
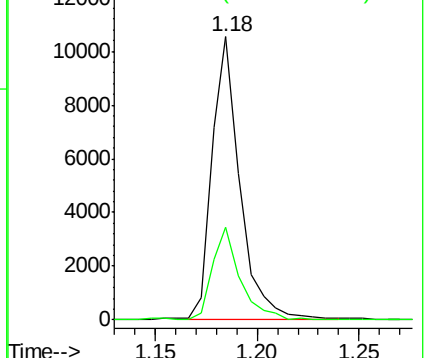
85 100

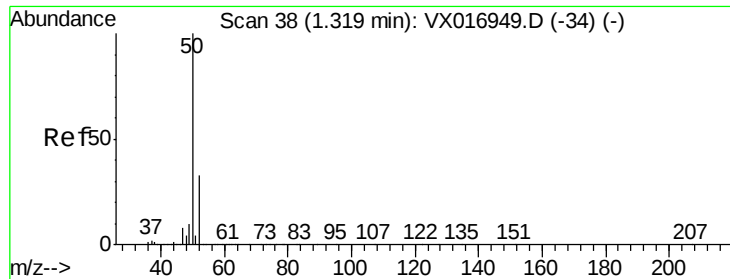
87 32.8 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 5.414 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 13548

Ion Ratio Lower Upper

50 100

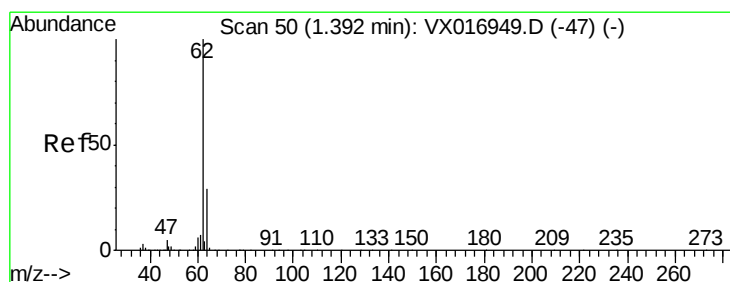
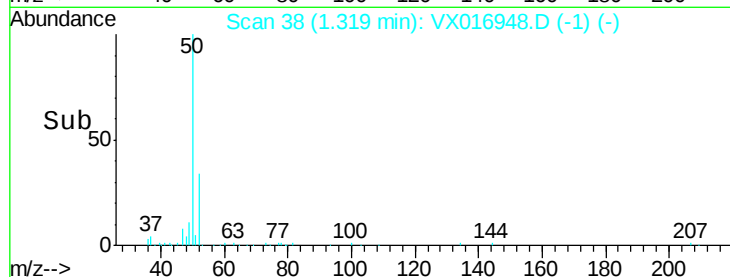
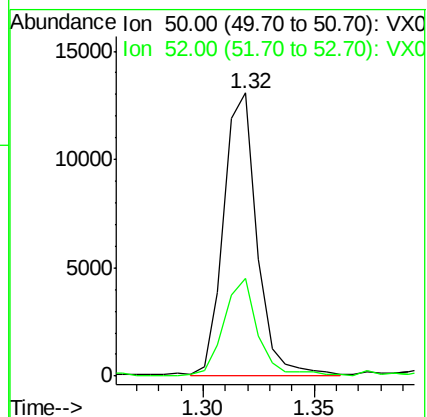
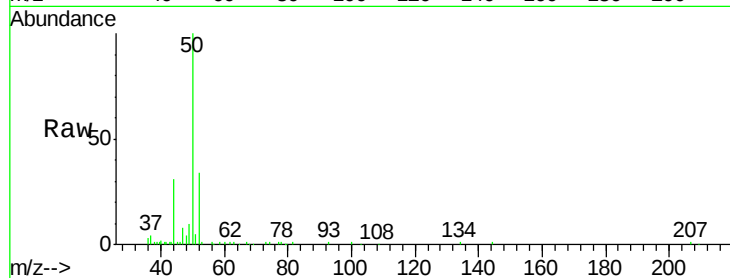
52 34.0 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.515 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX016948.D

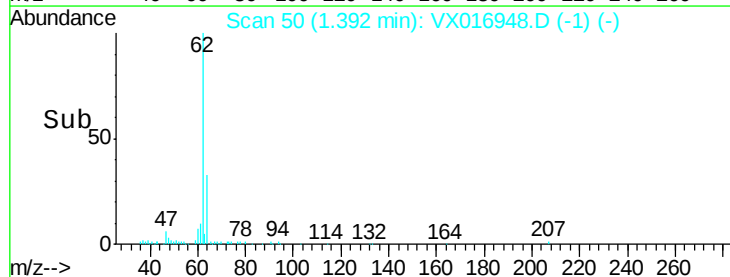
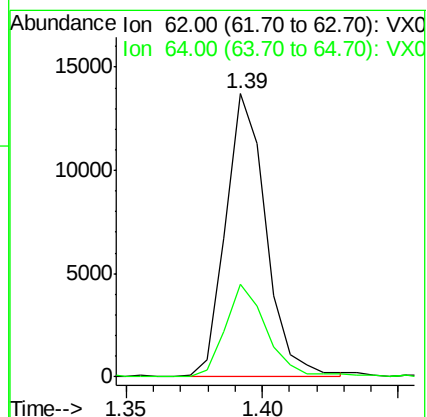
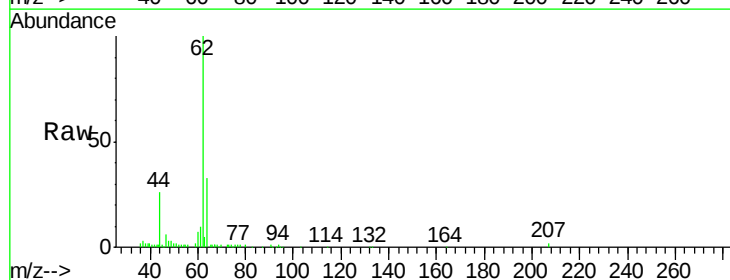
Acq: 25 Jun 2020 12:39

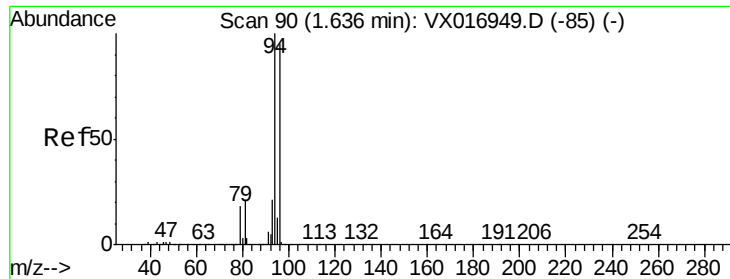
Tgt Ion: 62 Resp: 14074

Ion Ratio Lower Upper

62 100

64 32.6 23.4 35.0





#5

Bromomethane

Concen: 6.312 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 11598

Ion Ratio Lower Upper

94 100

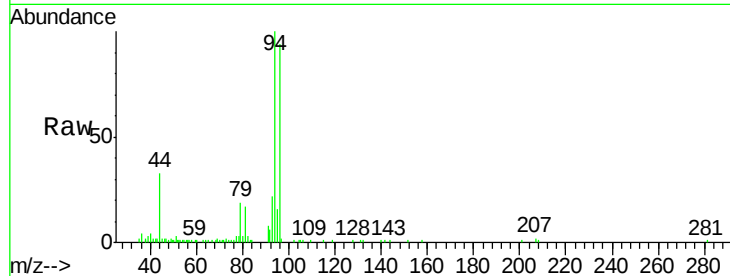
96 93.6 75.5 113.3

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

10000

8000

6000

4000

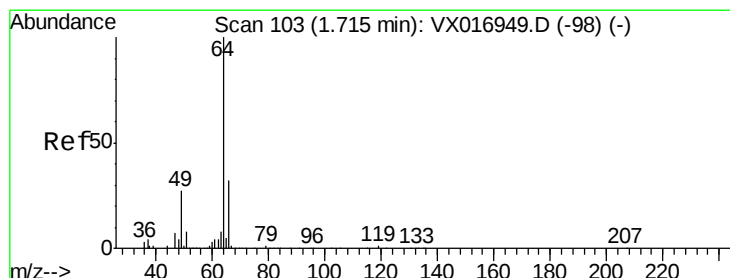
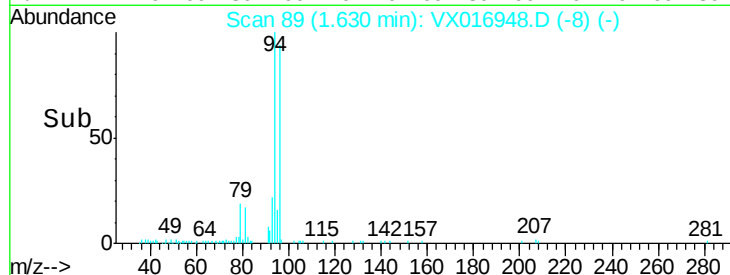
2000

0

1.63

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 5.435 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.01 min

Lab File: VX016948.D

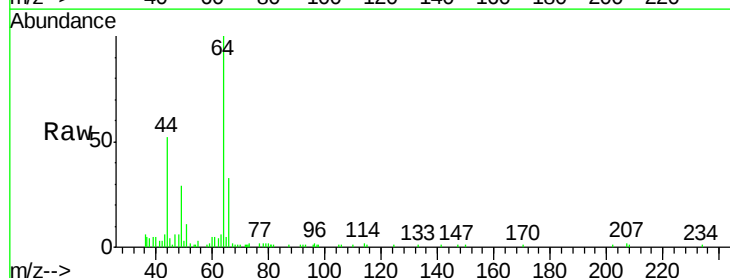
Acq: 25 Jun 2020 12:39

Tgt Ion: 64 Resp: 8945

Ion Ratio Lower Upper

64 100

66 32.2 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

6000

4000

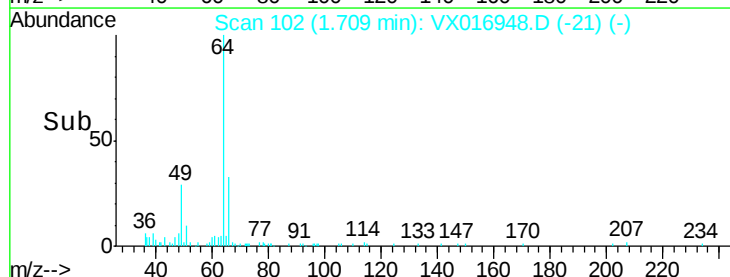
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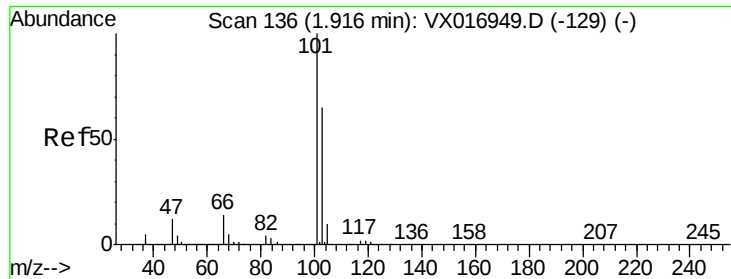
0

1.71

1.65 1.70 1.75

Time-->





#7

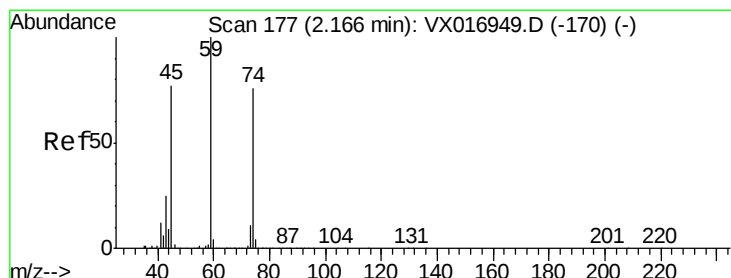
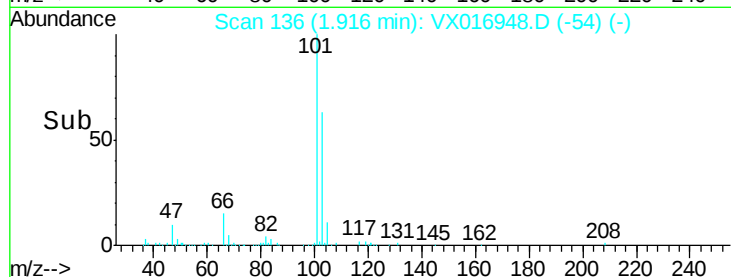
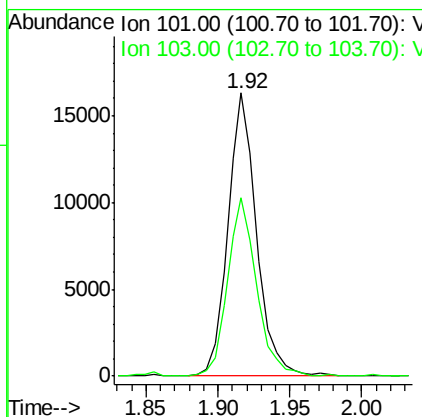
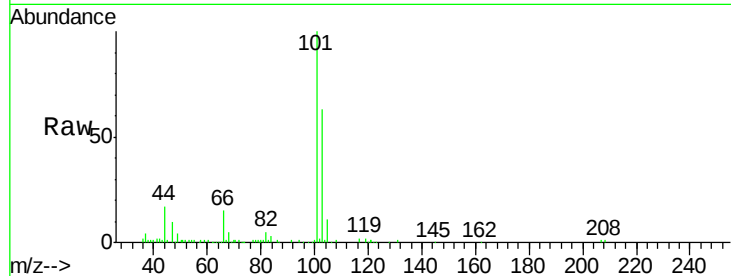
Trichlorofluoromethane
Concen: 5.476 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.1	78.1

Manual Integrations
APPROVED

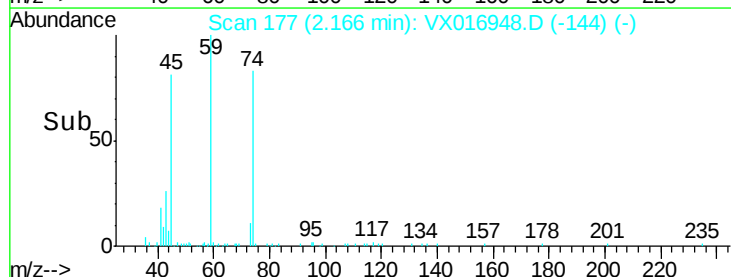
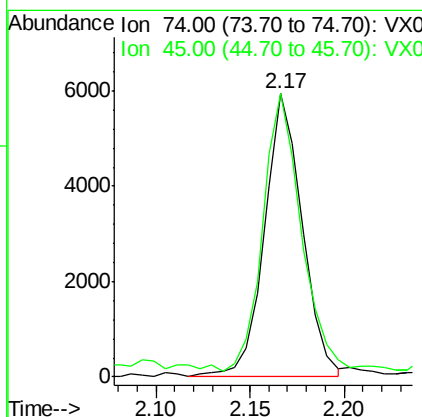
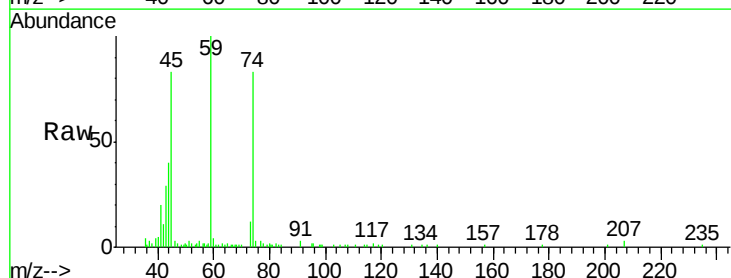
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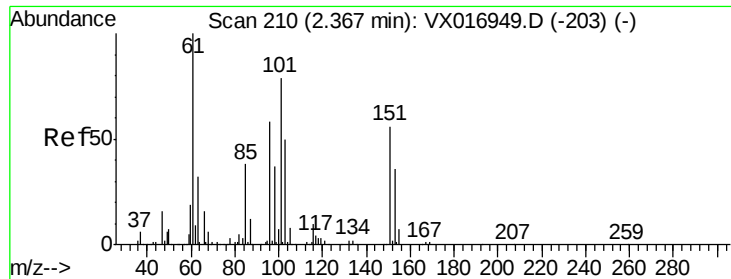


#8

Diethyl Ether
Concen: 5.470 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	19.8	178.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.725 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

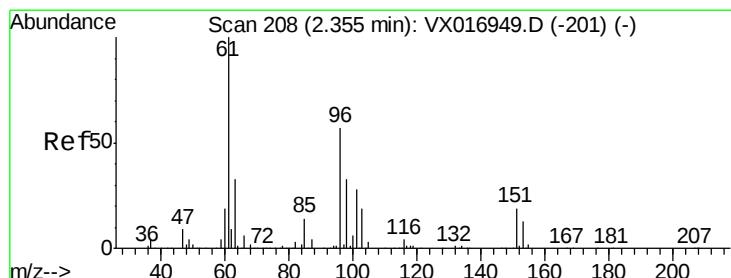
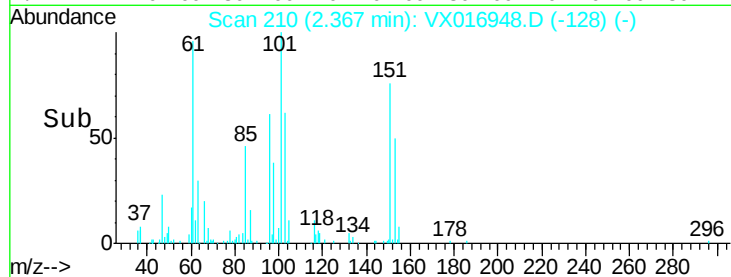
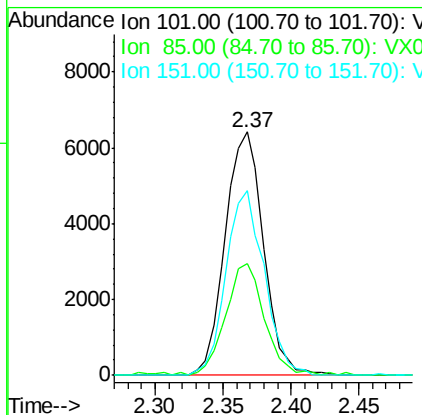
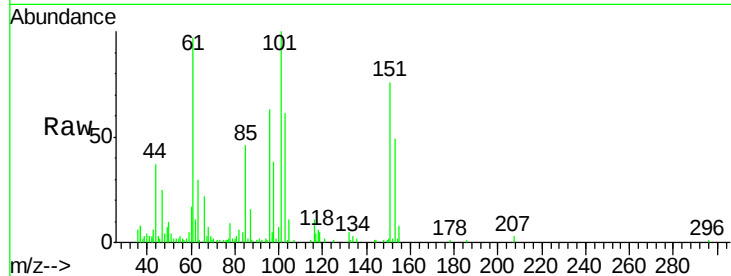
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12609
Ion Ratio	Lower	Upper	
101	100		
85	45.8	0.0	94.6
151	75.7	0.0	145.8

Manual Integrations
APPROVED

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6/26/2020 3:33:40 PM



#10

1,1-Dichloroethene

Concen: 5.449 ug/l

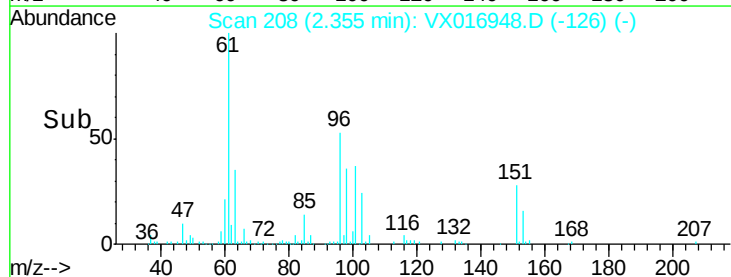
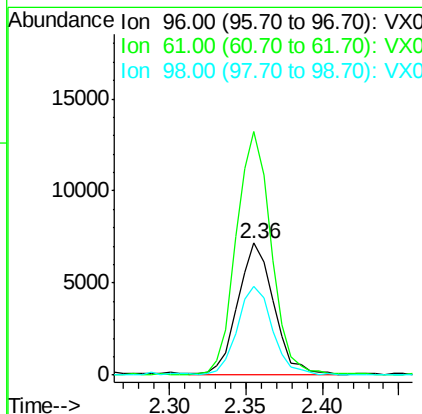
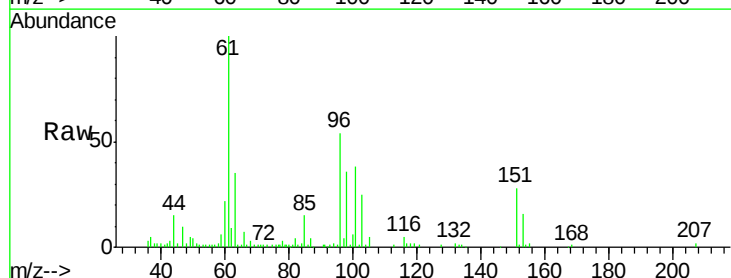
RT: 2.36 min Scan# 208

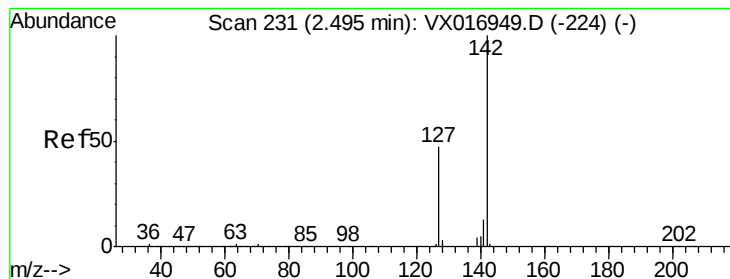
Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Tgt Ion:	96	Resp:	11837
Ion Ratio	Lower	Upper	
96	100		
61	184.5	141.3	211.9
98	66.6	47.0	70.4





#11

Methvl Iodide

Concen: 4.653 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

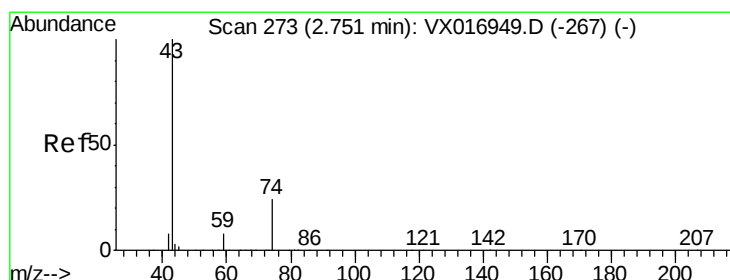
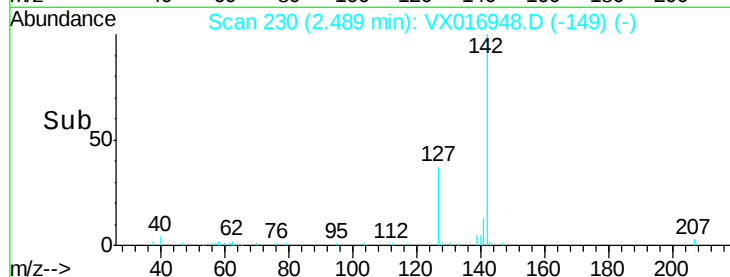
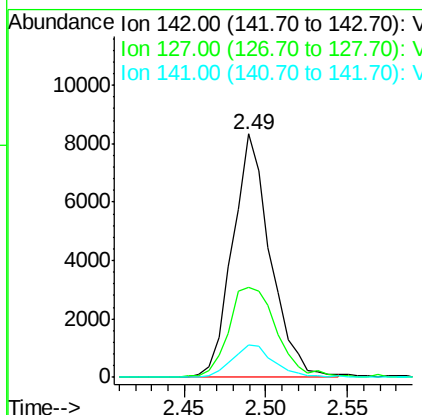
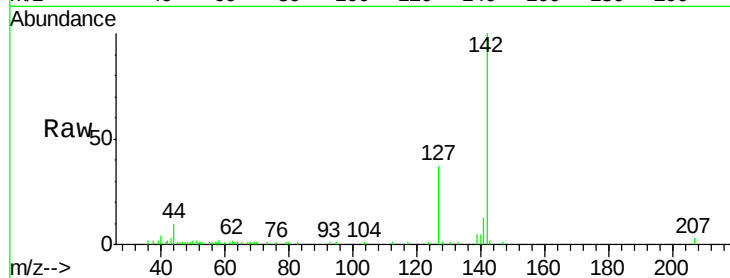
ClientSampleId :

VSTDIC005

Tot Ion:	142	Resp:	13497
Ion	Ratio	Lower	Upper
142	100		
127	36.3	23.3	69.9
141	13.1	6.7	20.1

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#12

Methyl Acetate

Concen: 5.384 ug/l

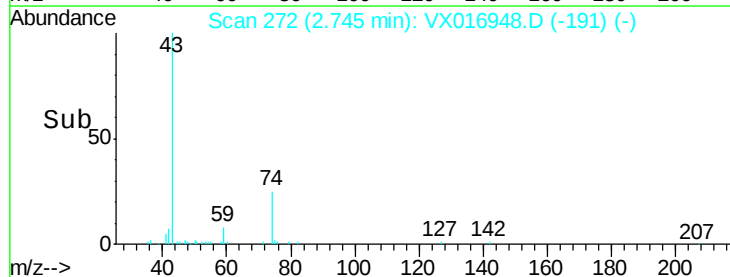
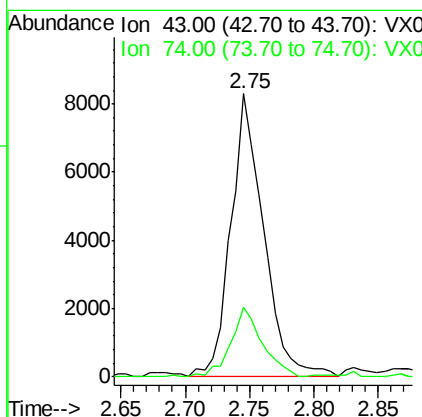
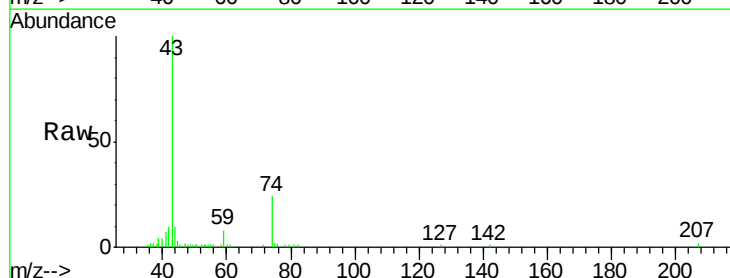
RT: 2.75 min Scan# 272

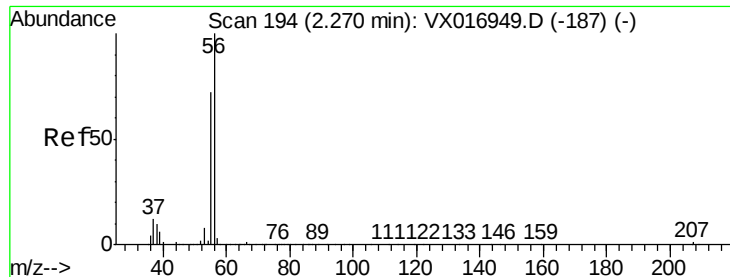
Delta R.T. -0.01 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Tgt Ion:	43	Resp:	14754
Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.1	28.7





#13

Acrolein

Concen: 25.914 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11205

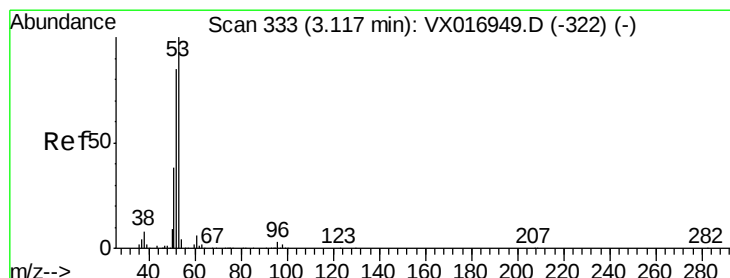
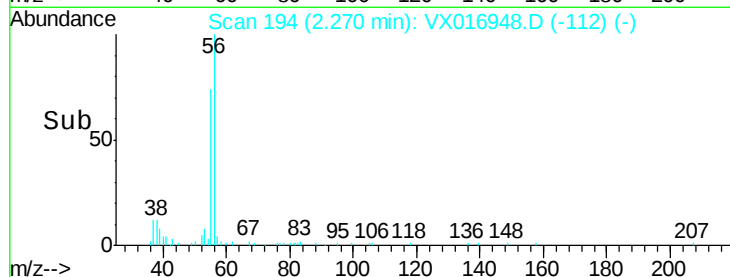
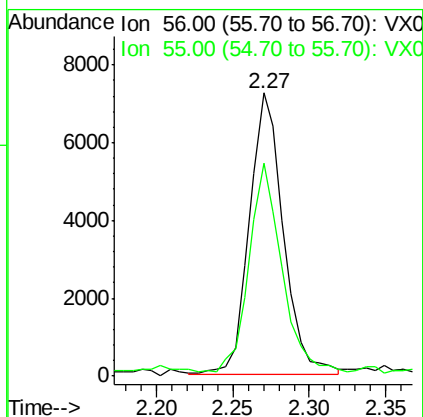
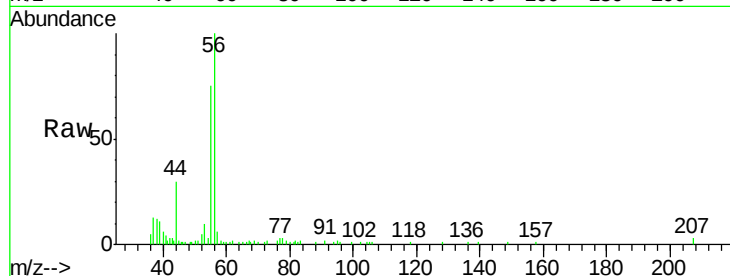
Ion Ratio Lower Upper

56 100

55 71.8 56.2 84.4

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#14

Acrylonitrile

Concen: 25.857 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

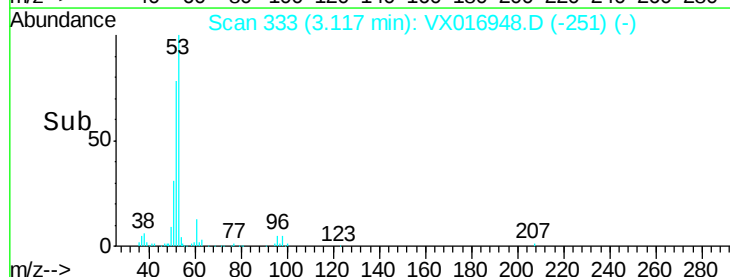
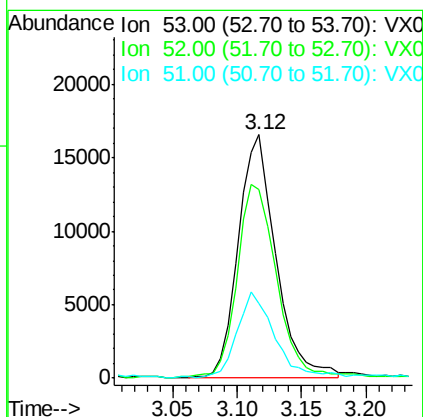
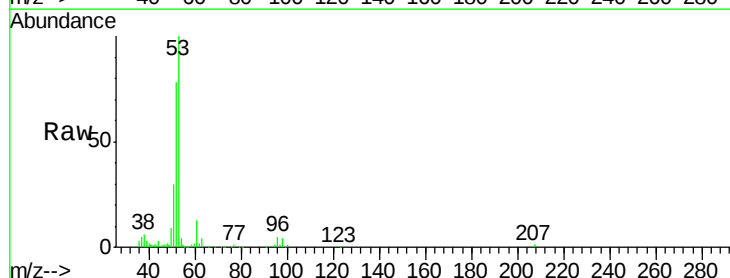
Tgt Ion: 53 Resp: 33558

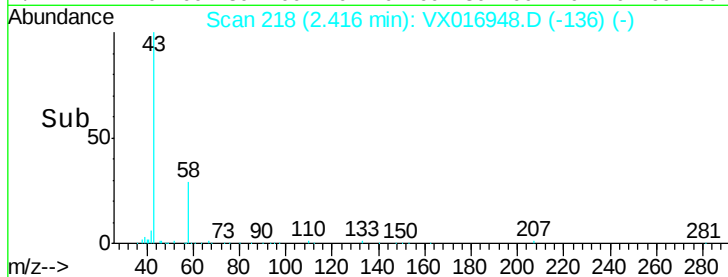
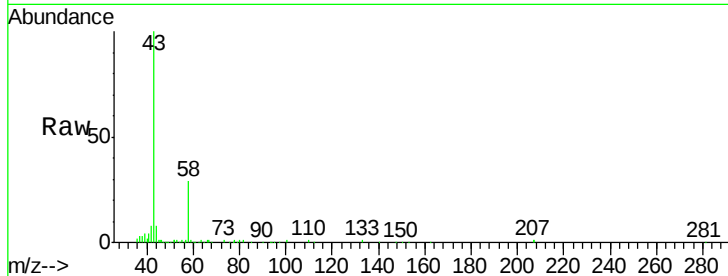
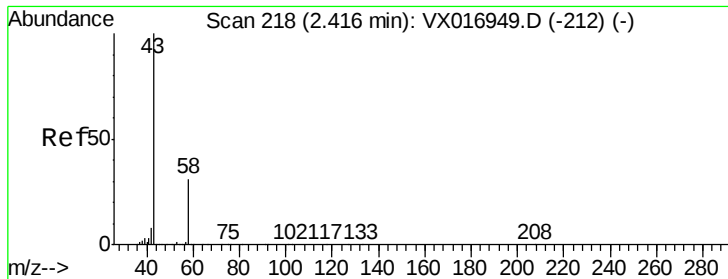
Ion Ratio Lower Upper

53 100

52 77.7 40.6 121.8

51 34.7 18.4 55.4





#15

Acetone

Concen: 26.975 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Tot Ion: 58 Resp: 9060

Ion Ratio Lower Upper

58 100

43 344.4 257.6 386.4

Instrument :

MSVOA_X

ClientSampleId :

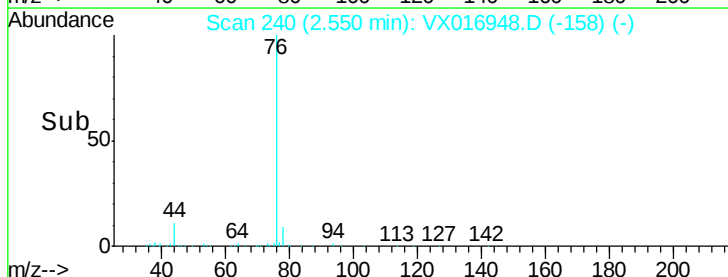
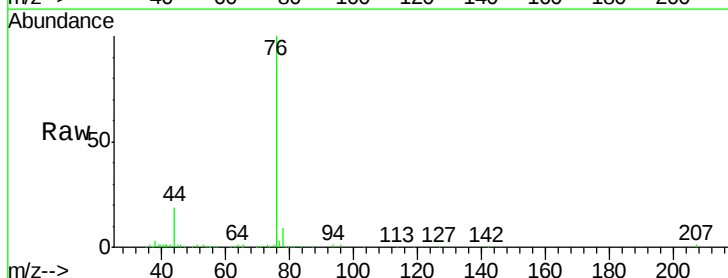
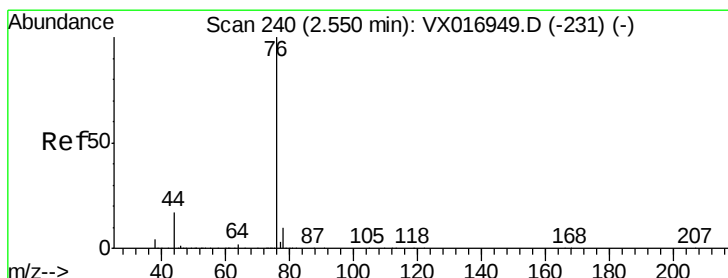
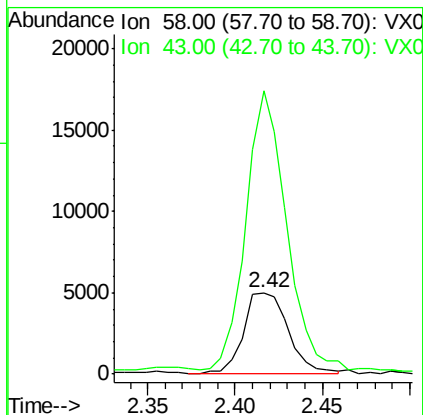
VSTDIC005

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#16

Carbon Disulfide

Concen: 5.623 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016948.D

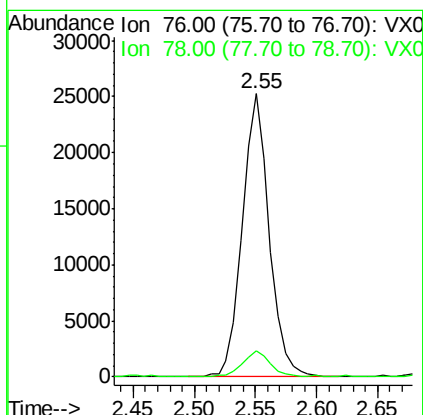
Acq: 25 Jun 2020 12:39

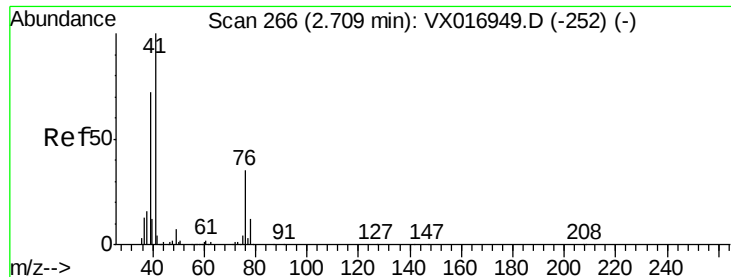
Tgt Ion: 76 Resp: 38398

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4





#17

Allvl chloride

Concen: 5.019 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

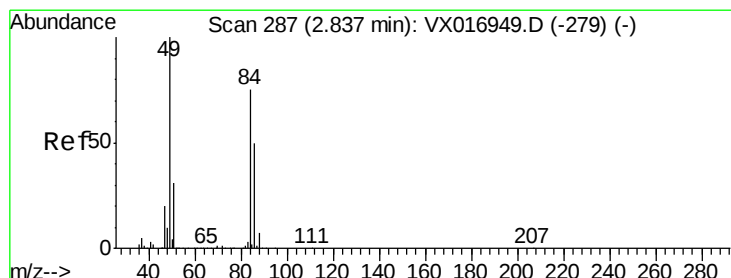
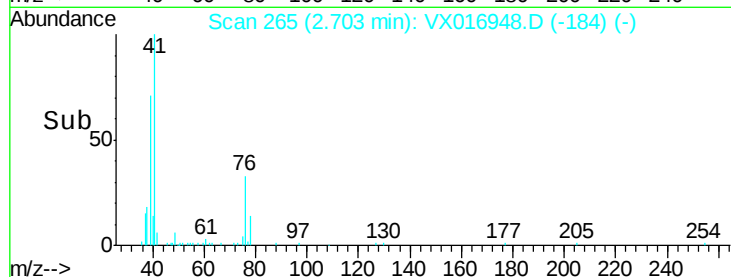
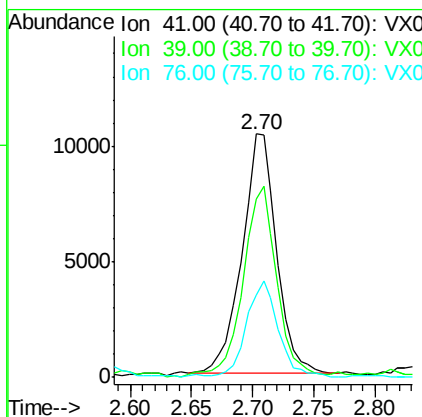
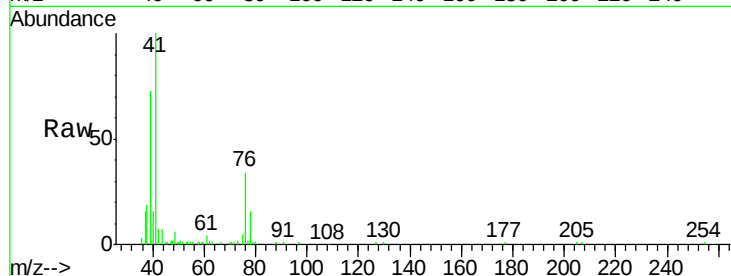
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	20411
Ion	Ratio	Lower	Upper
41	100		
39	73.2	35.9	107.8
76	34.2	17.6	52.8

Manual Integrations
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#18

Methylene Chloride

Concen: 5.844 ug/l

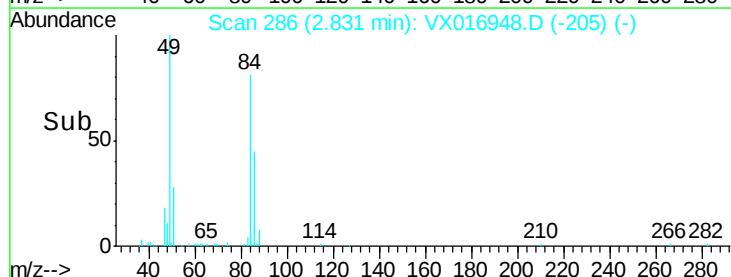
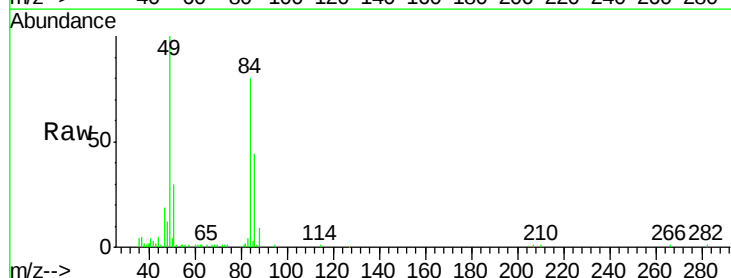
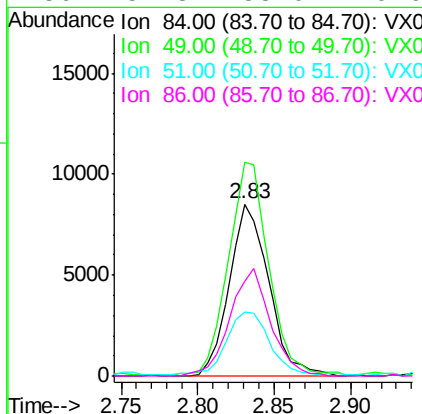
RT: 2.83 min Scan# 286

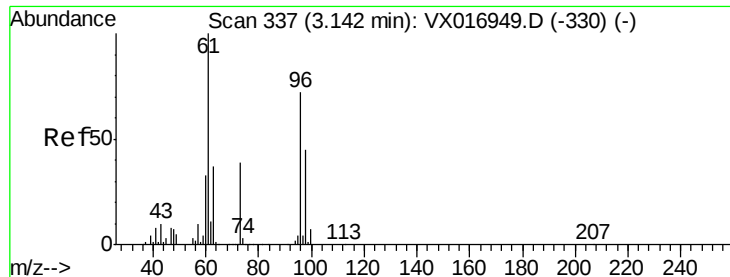
Delta R.T. -0.01 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Tgt Ion:	84	Resp:	15291
Ion	Ratio	Lower	Upper
84	100		
49	123.0	106.6	159.8
51	35.5	32.7	49.1
86	54.8	53.0	79.6





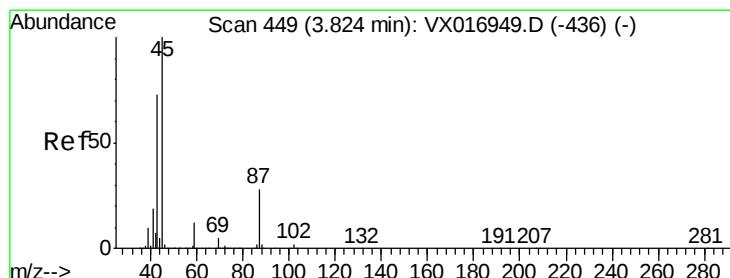
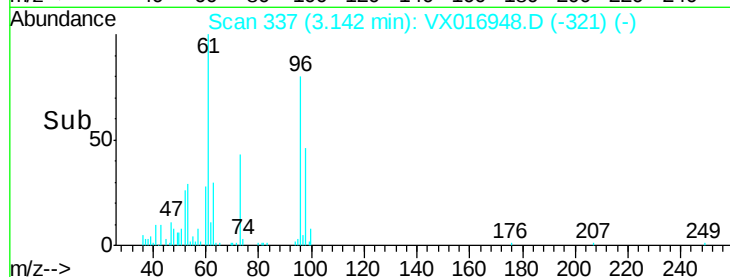
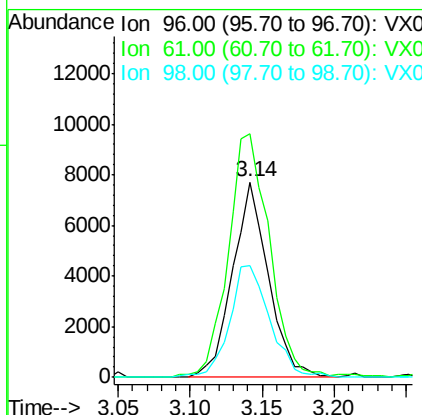
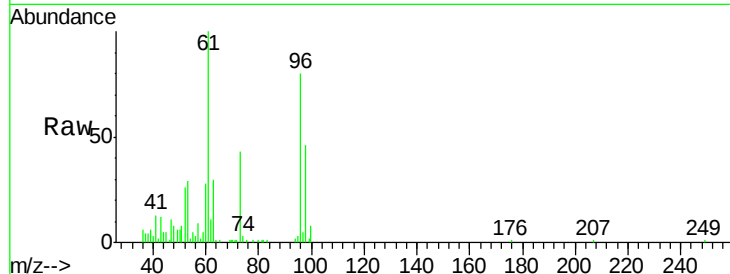
#19
trans-1,2-Dichloroethene
Concen: 5.453 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.2	110.6	165.8
98	56.9	49.8	74.6

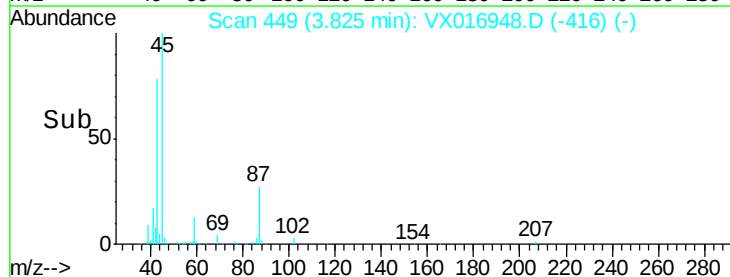
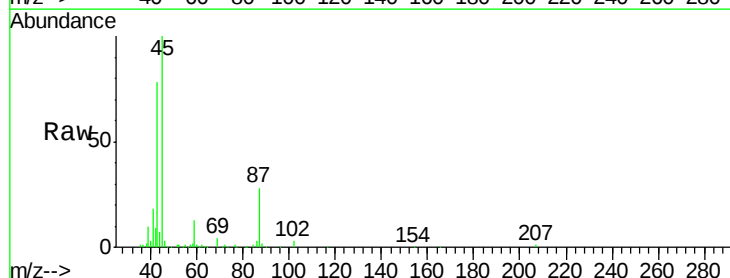
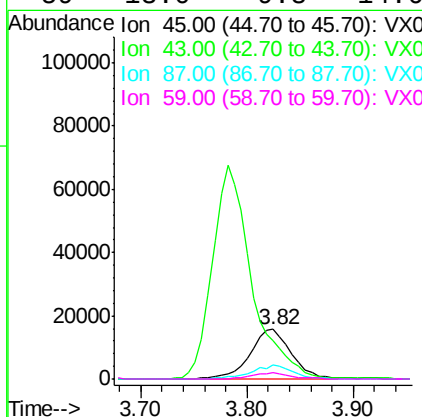
Manual Integrations
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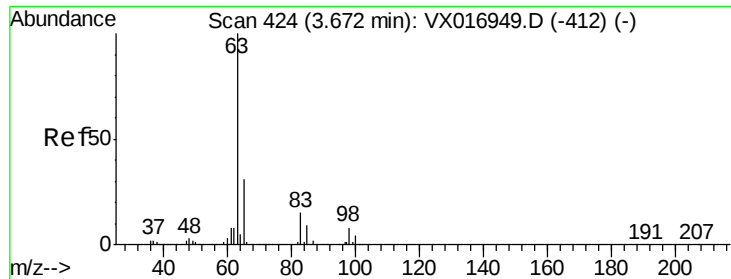
MMDadoda
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#20
Diisopropyl ether
Concen: 5.097 ug/l
RT: 3.82 min Scan# 449
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	77.3	63.9	95.9
87	27.9	22.2	33.4
59	13.0	9.8	14.6





#21

1,1-Dichloroethane

Concen: 5.307 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

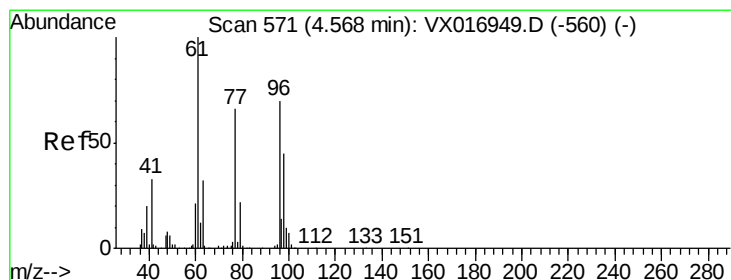
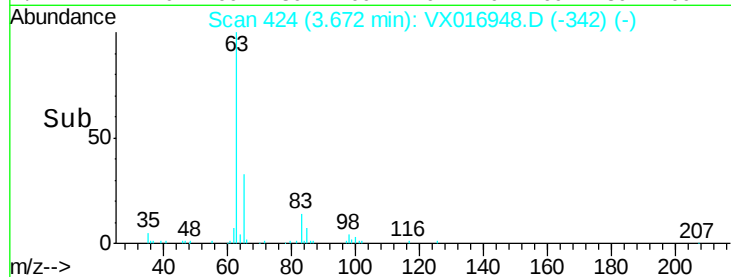
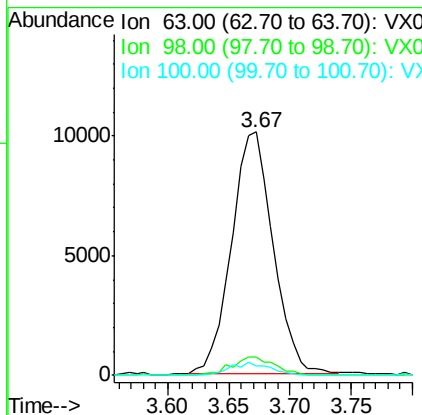
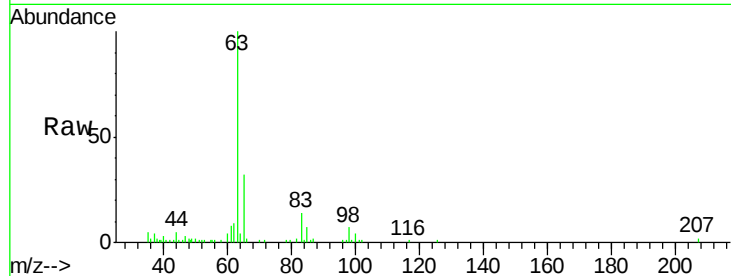
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	23783
Ion Ratio	Lower	Upper	
63	100		
98	7.4	3.8	11.4
100	3.9	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 5.200 ug/l

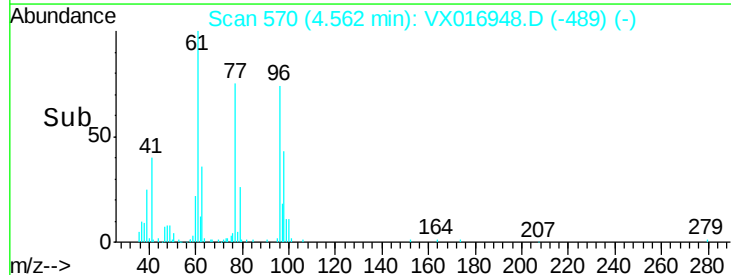
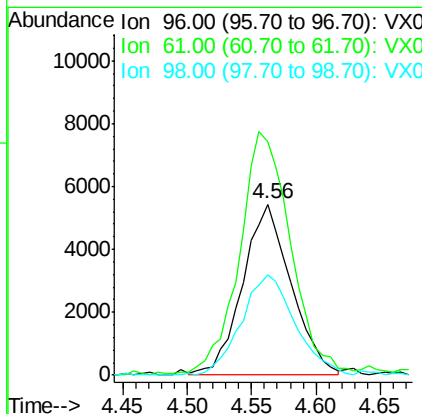
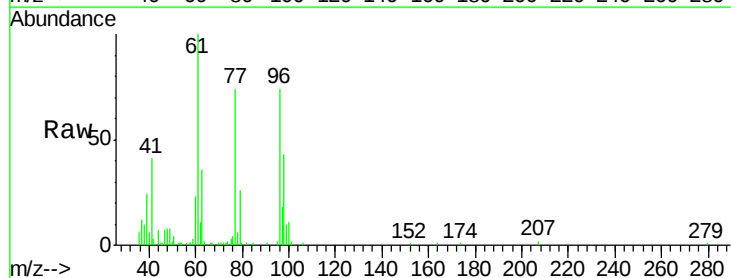
RT: 4.56 min Scan# 570

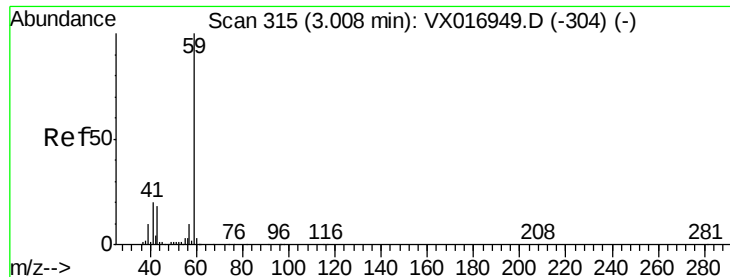
Delta R.T. -0.01 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Tgt Ion:	96	Resp:	14250
Ion Ratio	Lower	Upper	
96	100		
61	150.2	120.8	181.2
98	64.6	51.7	77.5





#23

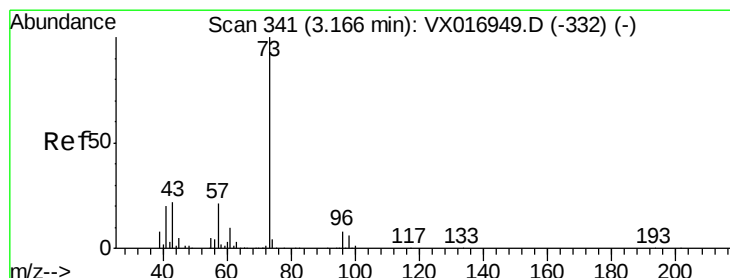
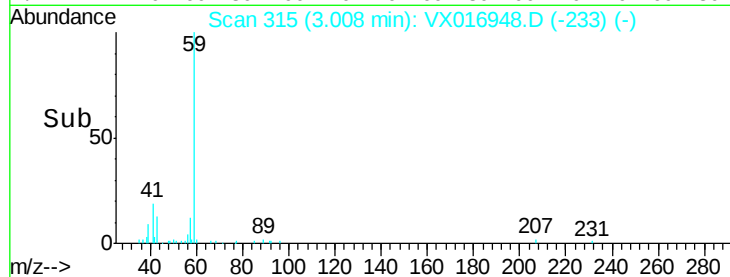
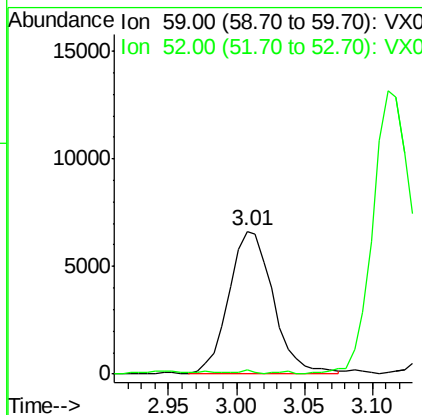
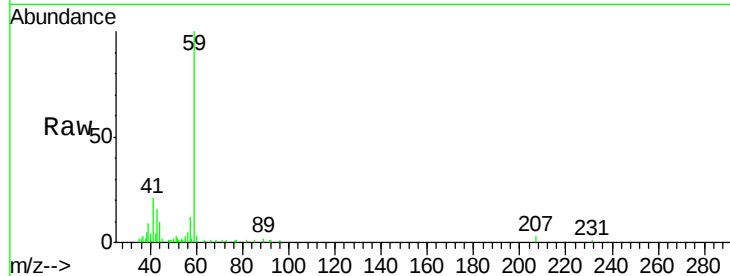
tert-Butyl Alcohol
 Concen: 99.520 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.6	0.1	0.1#

Manual Integrations
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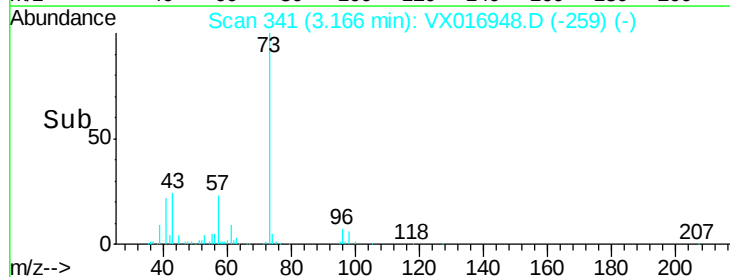
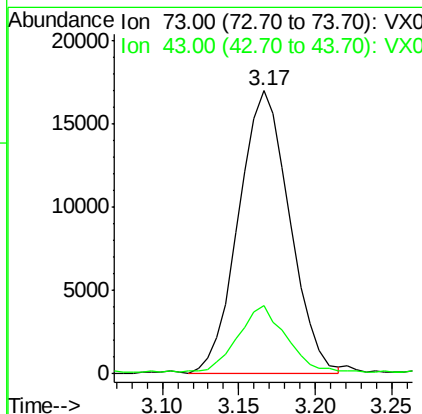
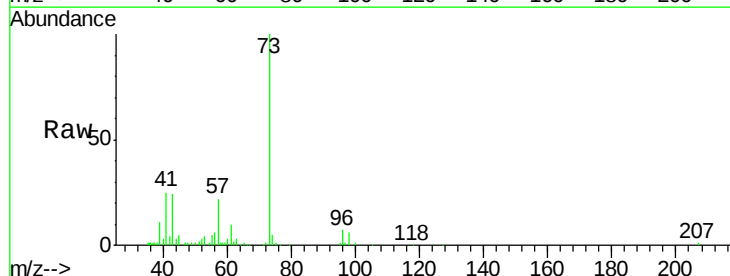
MMDadoda
 6/26/2020 3:33:40 PM

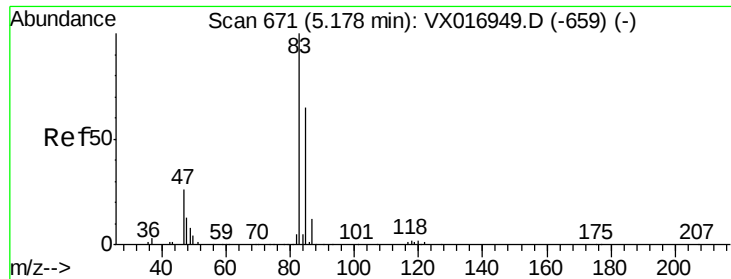


#24

Methyl tert-Butyl Ether
 Concen: 5.064 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.1	17.2	25.8





#25

Chloroform

Concen: 5.334 ug/l

RT: 5.17 min Scan# 669

Delta R.T. -0.01 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 24237

Ion Ratio Lower Upper

83 100

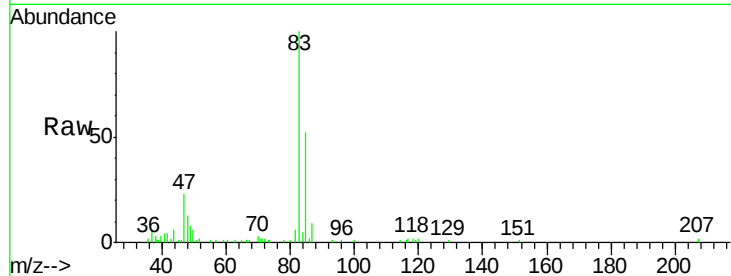
85 52.3 52.1 78.1

Manual Integrations

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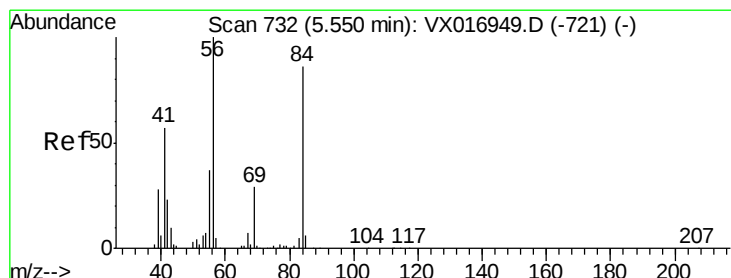
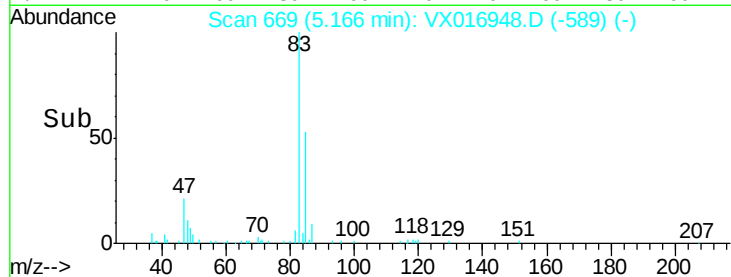
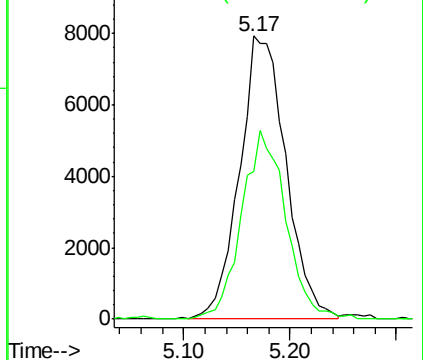
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 5.264 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

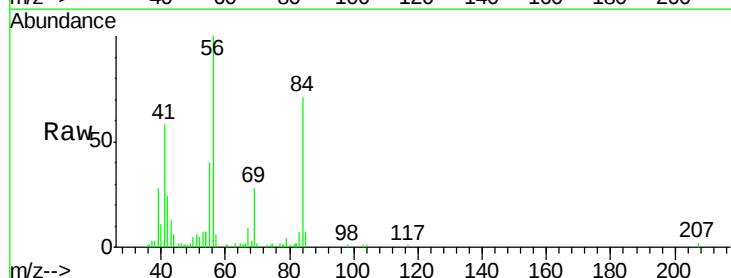
Tgt Ion: 56 Resp: 20578

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

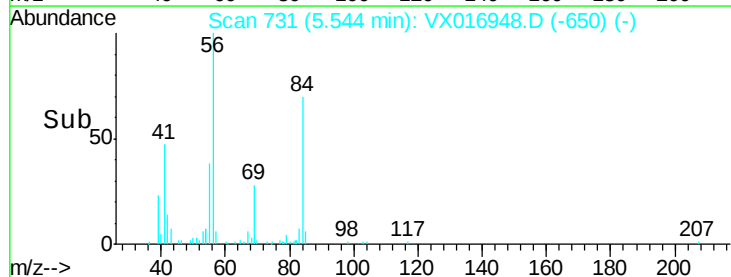
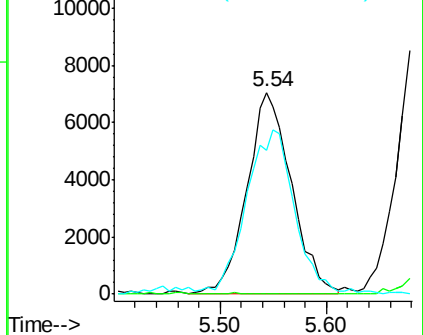
84 87.4 69.0 103.6

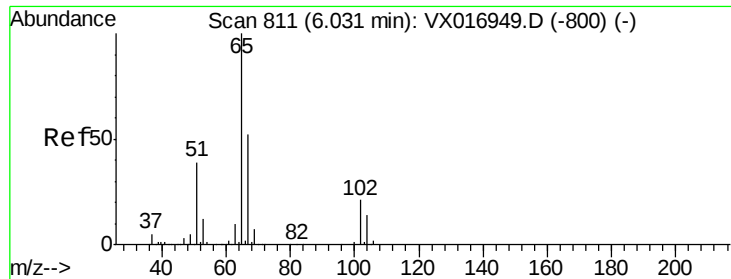


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.634 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 90481

Ion Ratio Lower Upper

65 100

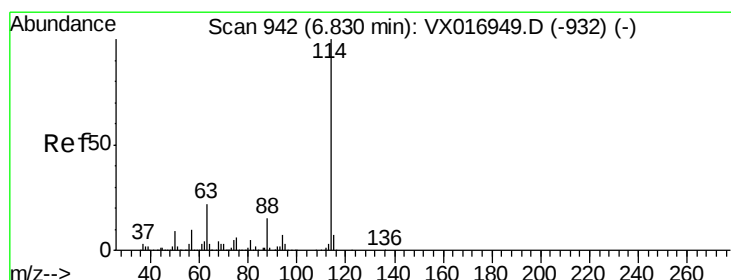
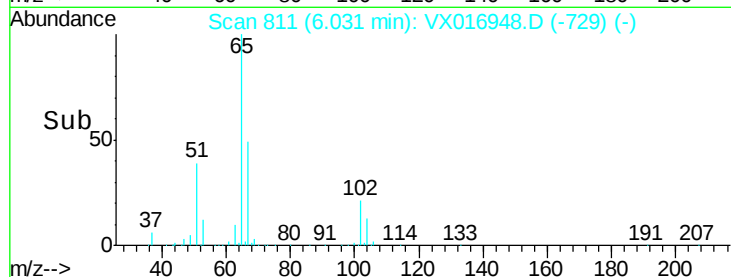
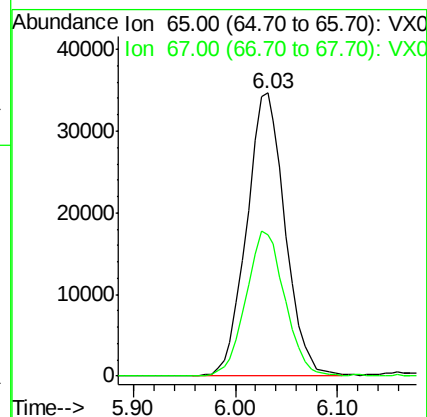
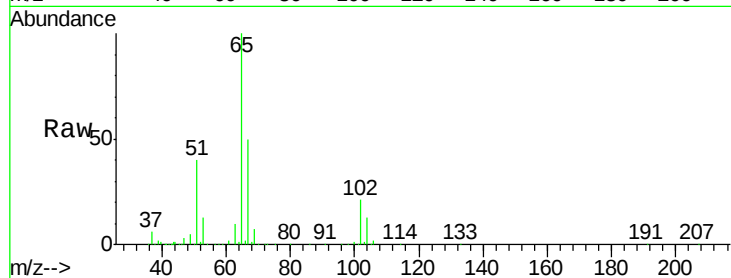
67 52.1 41.5 62.3

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

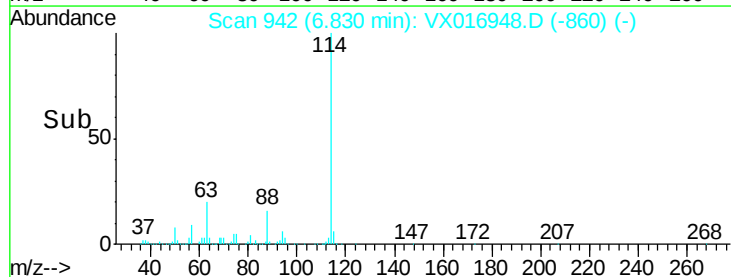
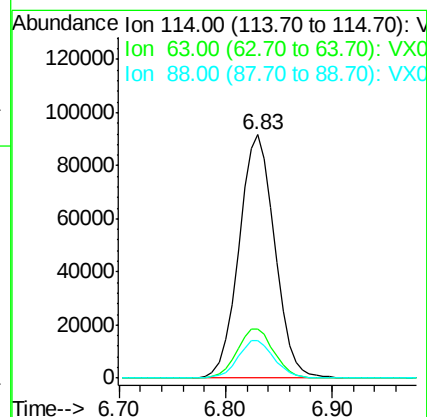
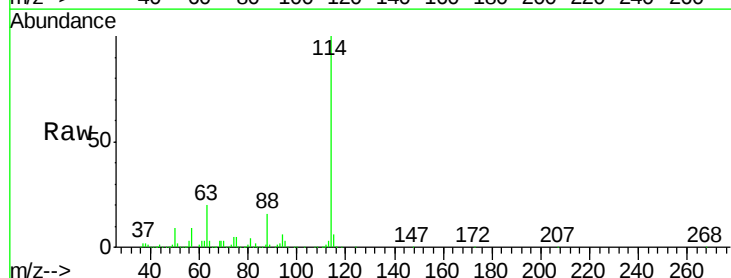
Tgt Ion: 114 Resp: 216122

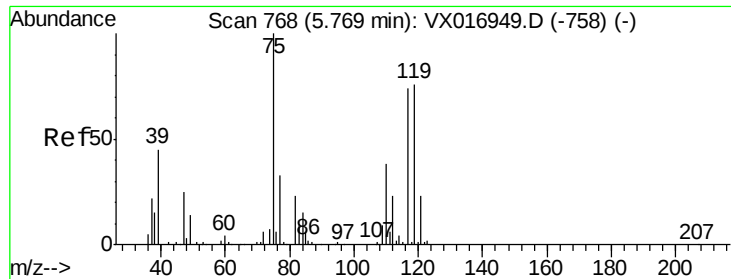
Ion Ratio Lower Upper

114 100

63 21.1 17.4 26.2

88 15.6 13.0 19.6





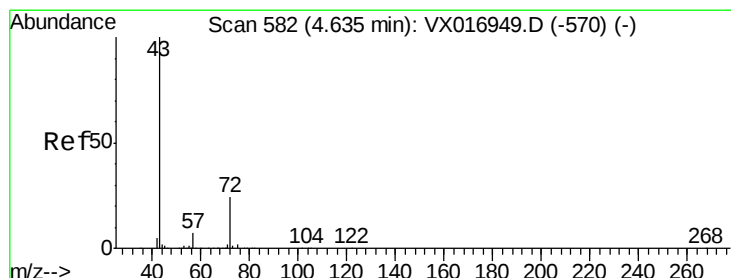
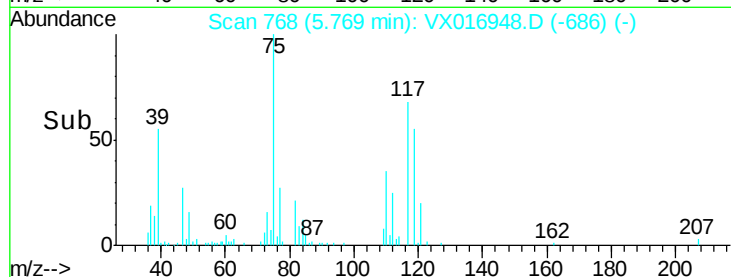
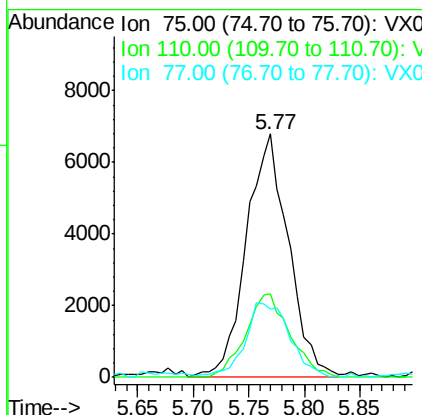
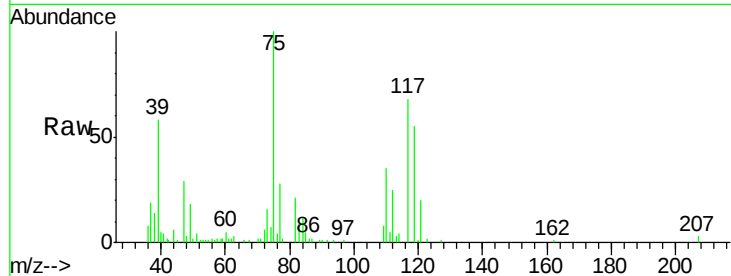
#29
 1,1-Dichloropropene
 Concen: 5.094 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.9	0.0	71.6
77	32.8	0.0	64.0

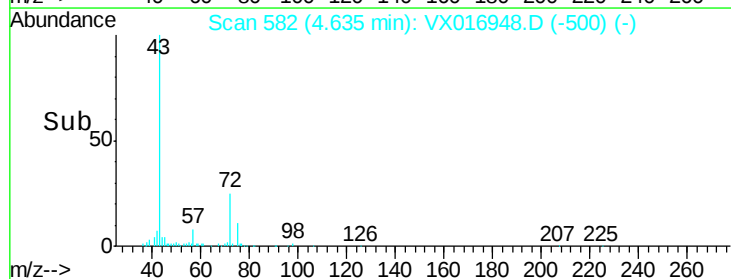
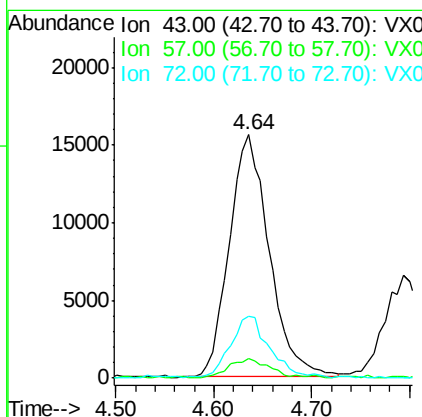
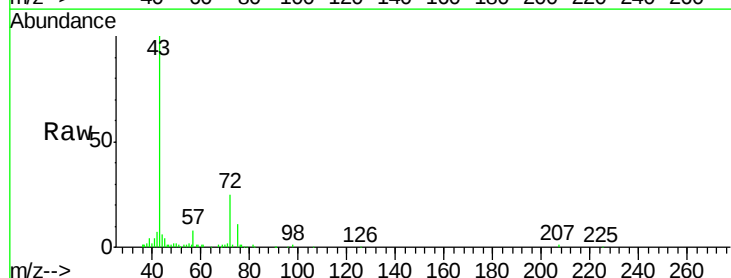
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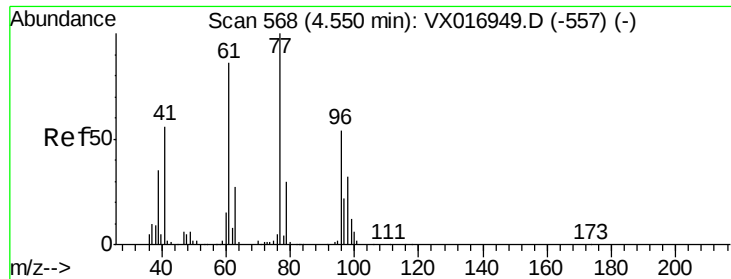
MMDadoda
 6/26/2020 3:33:40 PM



#30
 2-Butanone
 Concen: 24.061 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	6.2	9.4
72	25.1	20.6	31.0





#31

2,2-Dichloropropane

Concen: 5.235 ug/l

RT: 4.55 min Scan# 568

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 21138

Ion Ratio Lower Upper

77 100

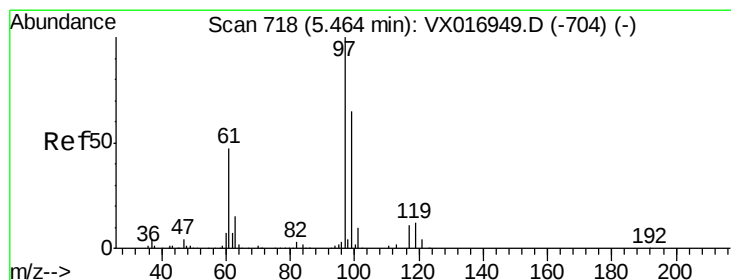
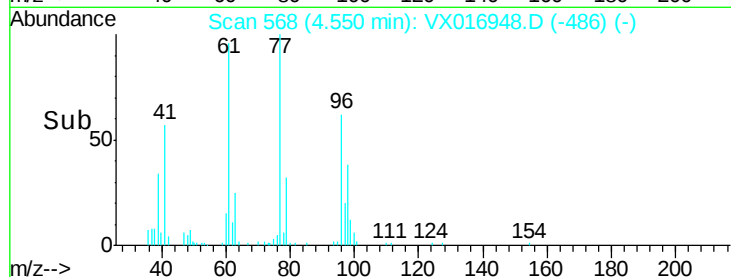
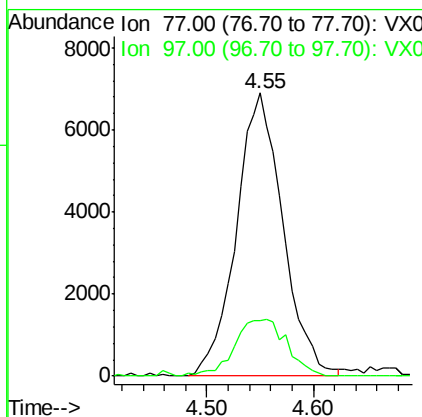
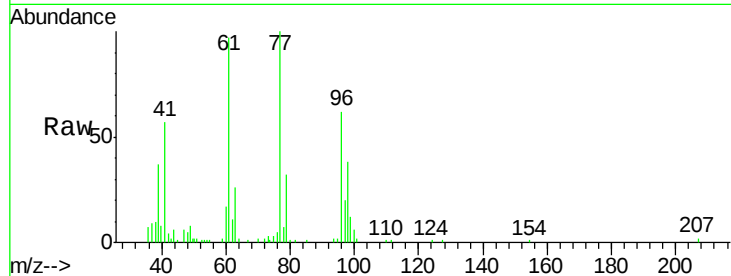
97 21.7 18.5 27.7

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 5.166 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

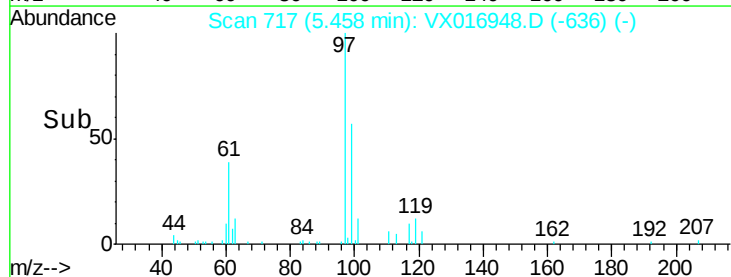
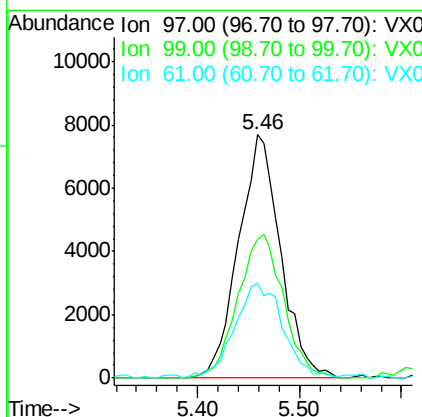
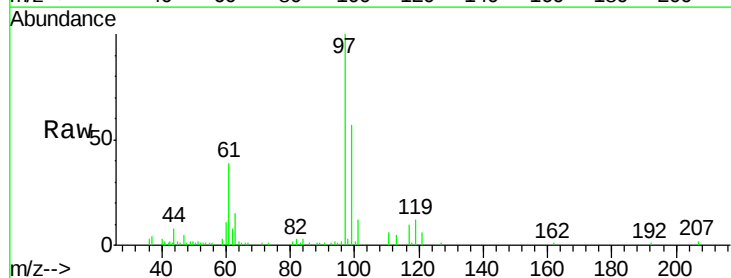
Tgt Ion: 97 Resp: 22008

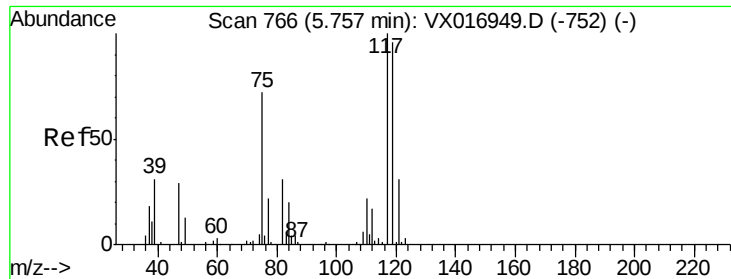
Ion Ratio Lower Upper

97 100

99 63.8 52.2 78.2

61 25.7 36.9 55.3#





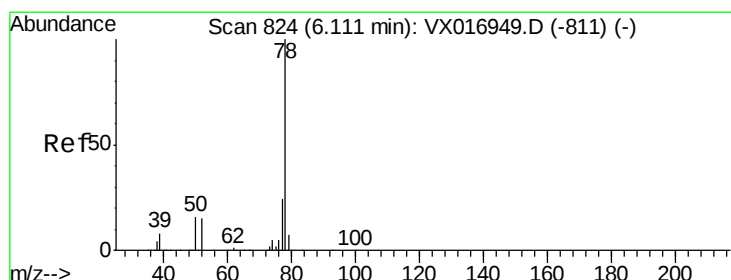
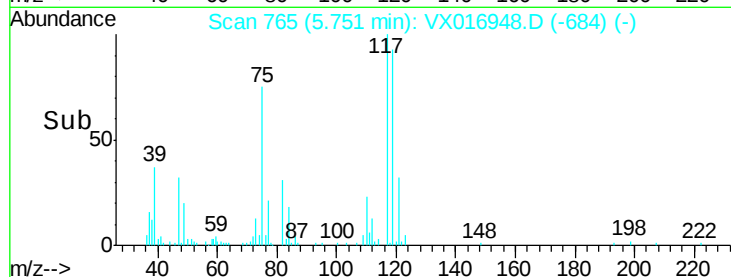
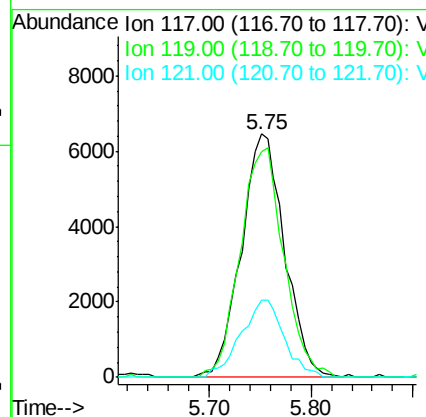
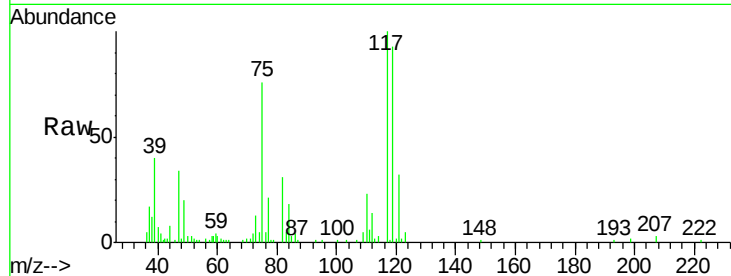
#33
Carbon Tetrachloride
Concen: 5.038 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.7	77.0	115.4
121	31.6	25.0	37.4

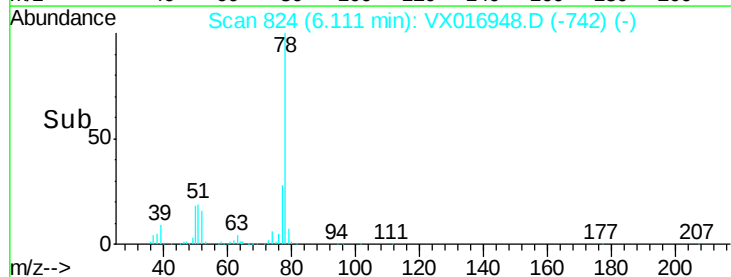
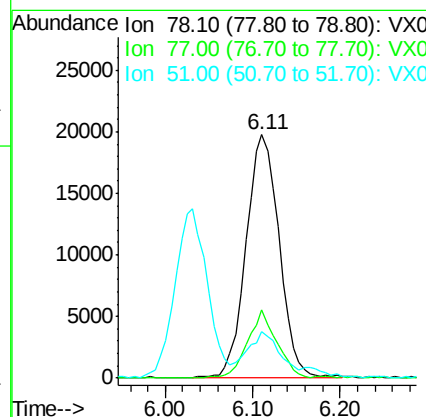
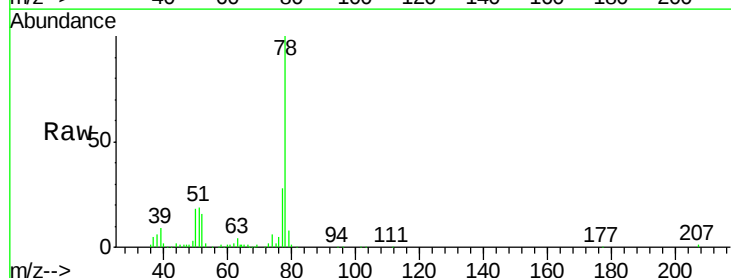
Manual Integrations
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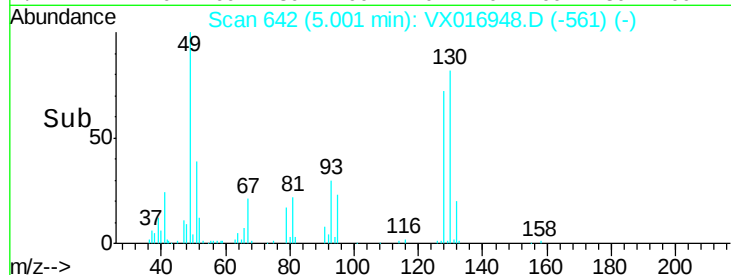
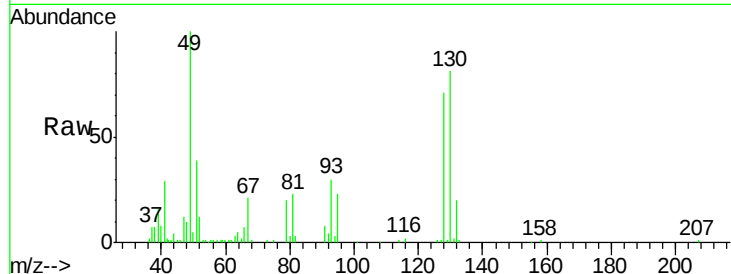
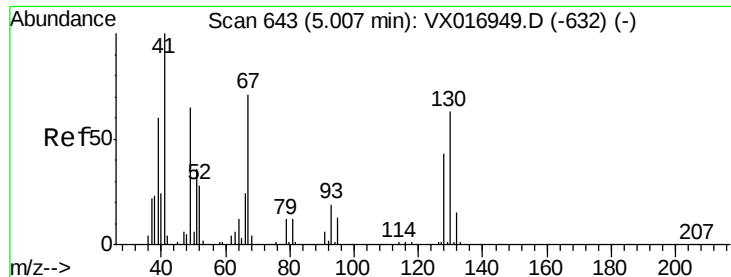
MMDadoda
6/26/2020 3:33:40 PM



#34
Benzene
Concen: 5.094 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.8	19.0	28.6
51	18.0	12.8	19.2





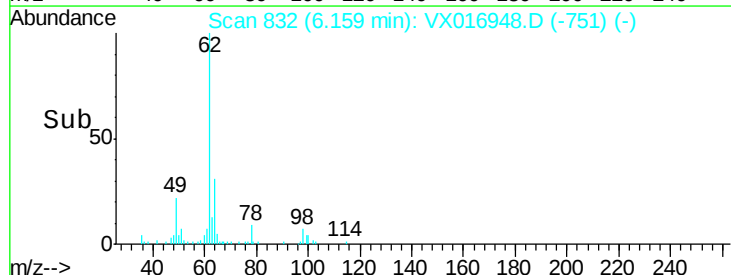
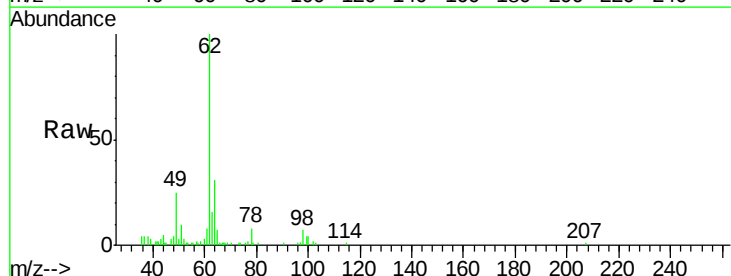
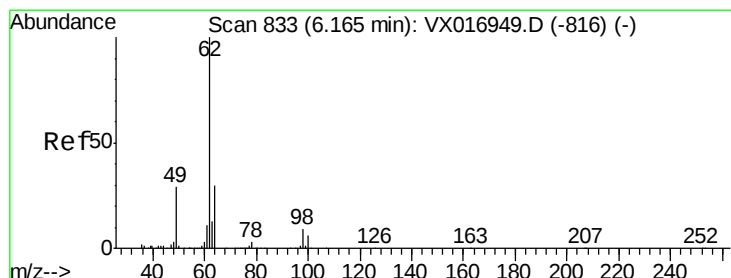
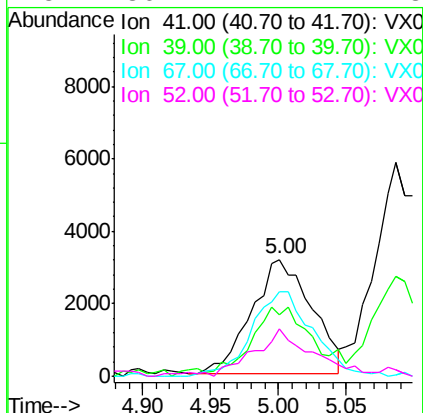
#35
Methacrylonitrile
Concen: 4.836 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tot Ion	41	Resp:	9795
Ion Ratio	Lower	Upper	
41	100		
39	48.3	29.8	89.5
67	73.4	35.3	105.9
52	36.2	14.1	42.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

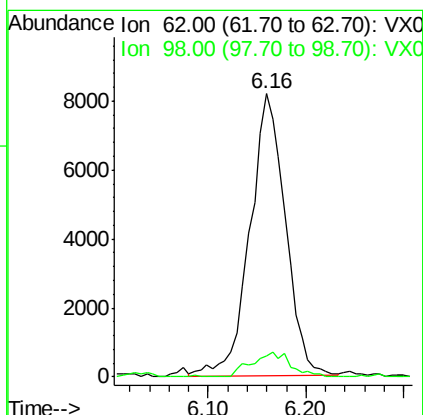
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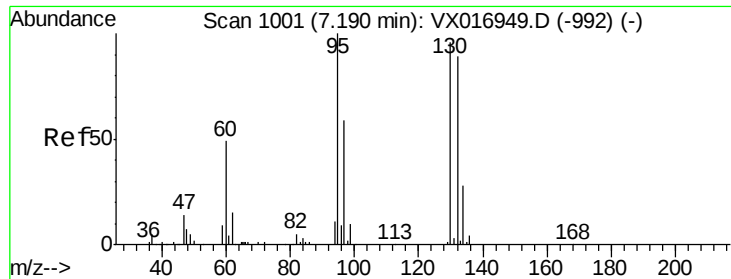
MMDadoda
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#36
1,2-Dichloroethane
Concen: 5.266 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	62	Resp:	20677
Ion Ratio	Lower	Upper	
62	100		
98	2.4	7.6	11.4#





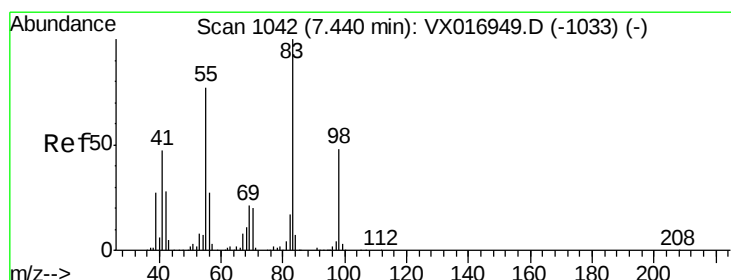
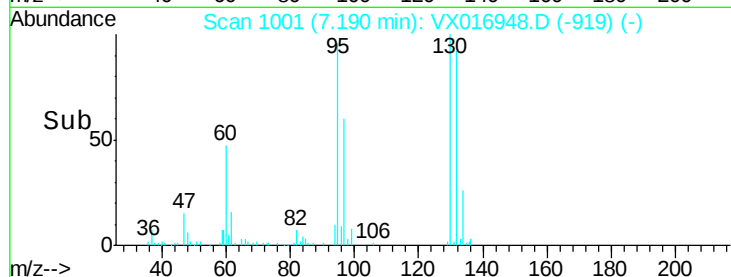
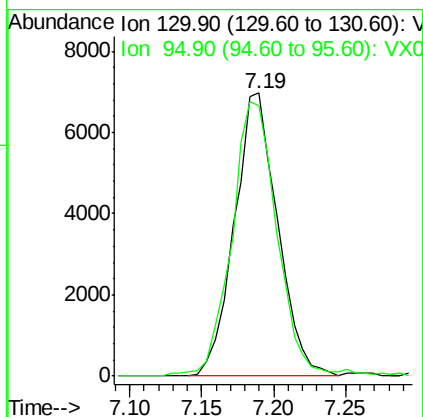
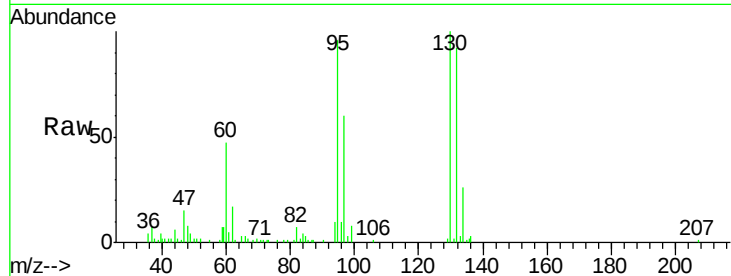
#37
 Trichloroethene
 Concen: 5.196 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 14534
 Ion Ratio Lower Upper
 130 100
 95 94.3 83.1 124.7

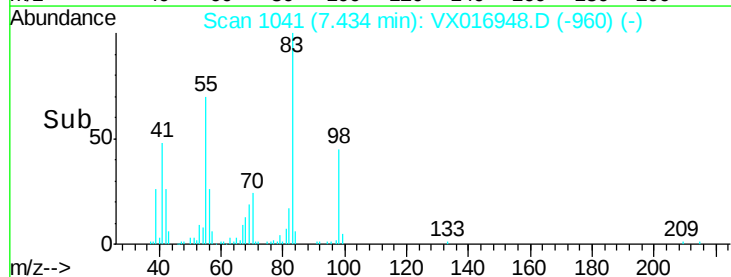
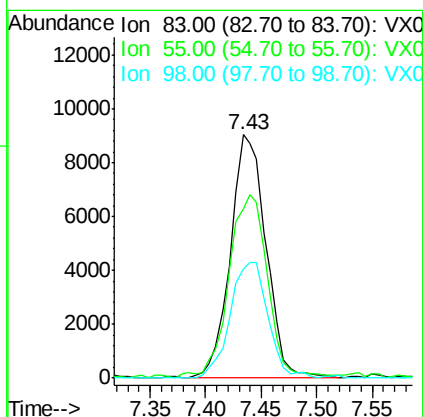
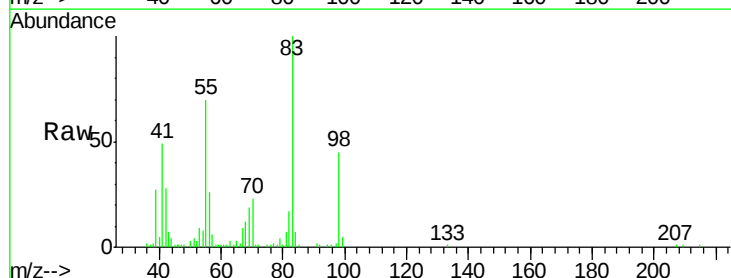
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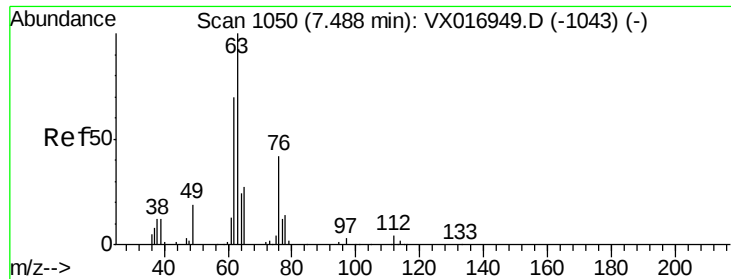
MMDadoda
 6/26/2020 3:33:40 PM



#38
 Methylcyclohexane
 Concen: 4.987 ug/l
 RT: 7.43 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Tgt Ion: 83 Resp: 19997
 Ion Ratio Lower Upper
 83 100
 55 81.1 38.1 114.5
 98 49.7 24.6 73.6





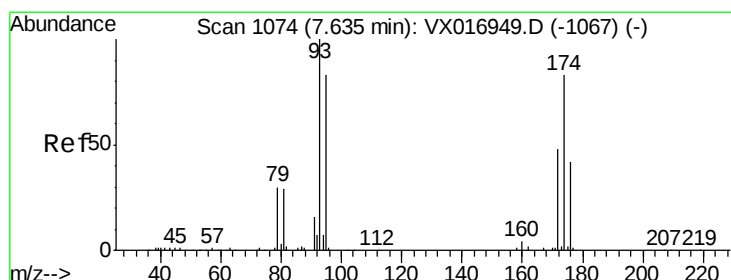
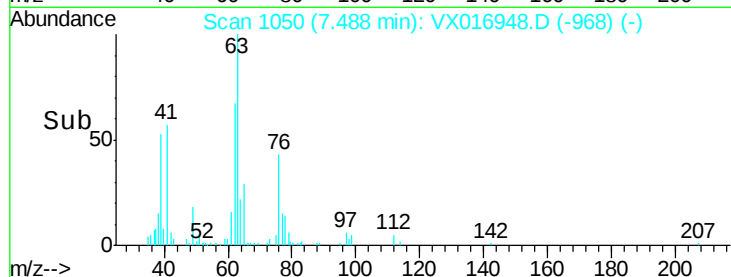
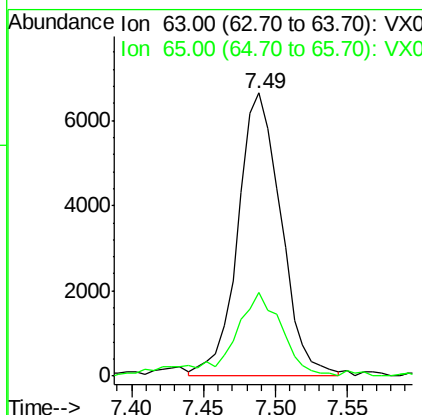
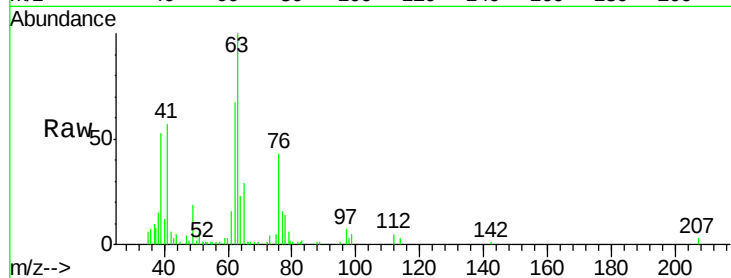
#39
 1,2-Dichloropropane
 Concen: 5.164 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	22.8	34.2

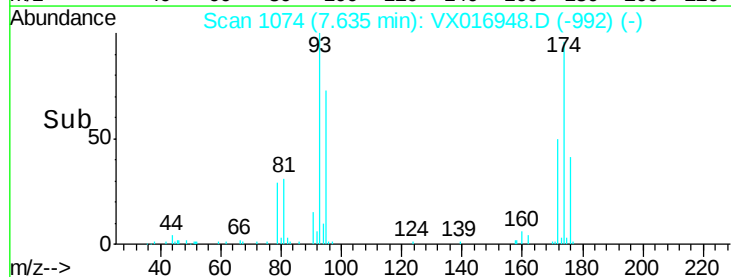
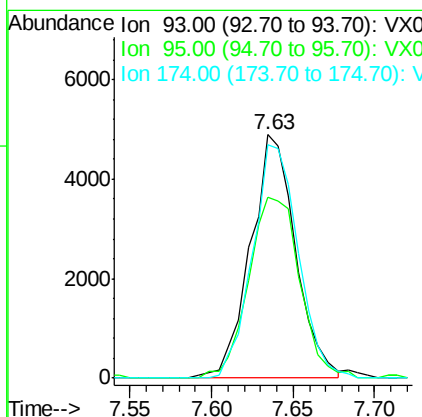
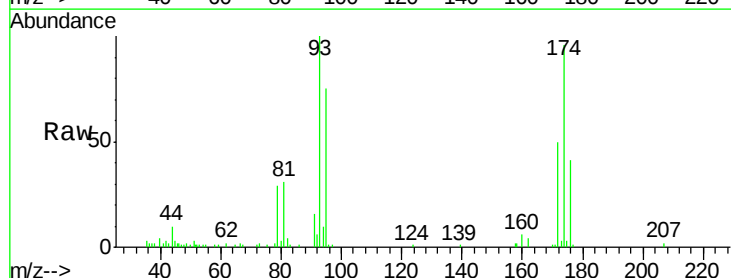
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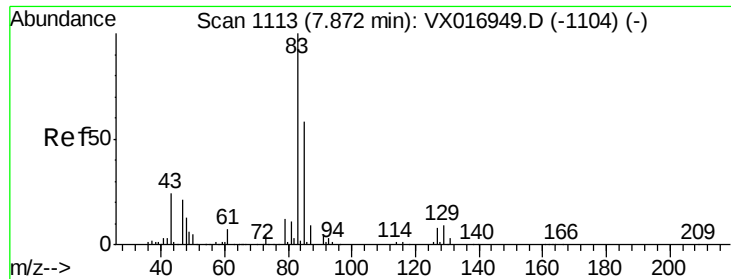
MMDadoda
 6/26/2020 3:33:40 PM



#40
 Dibromomethane
 Concen: 5.088 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	0.0	165.4
174	97.2	0.0	192.0





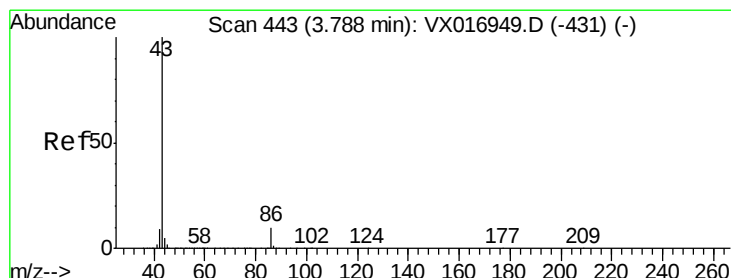
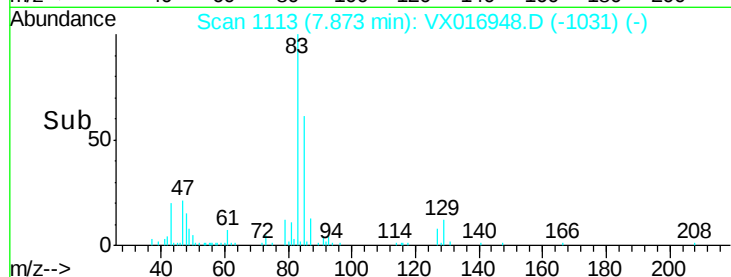
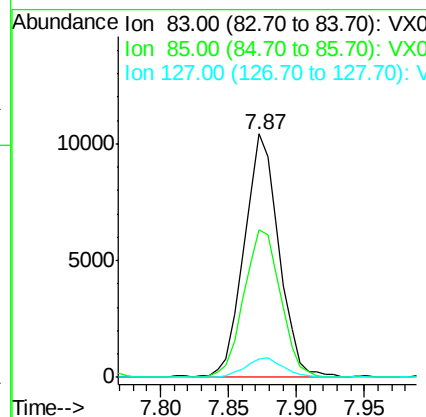
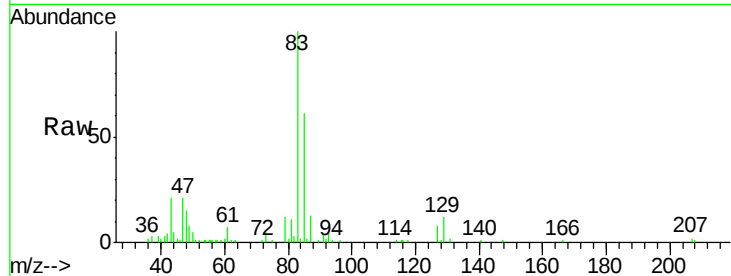
#41
Bromodichloromethane
Concen: 4.885 ug/l
RT: 7.87 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	18620
Ion Ratio	100	Lower	Upper
83	100		
85	60.6	46.7	70.1
127	7.7	6.5	9.7

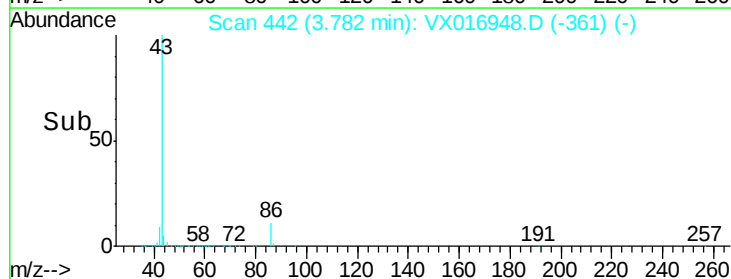
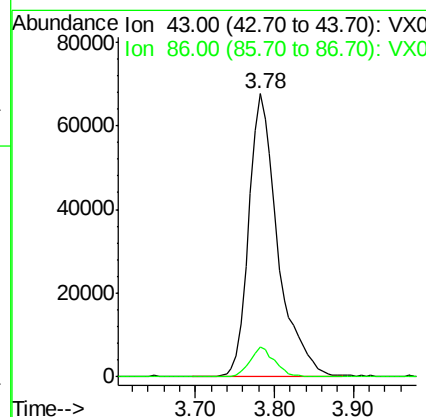
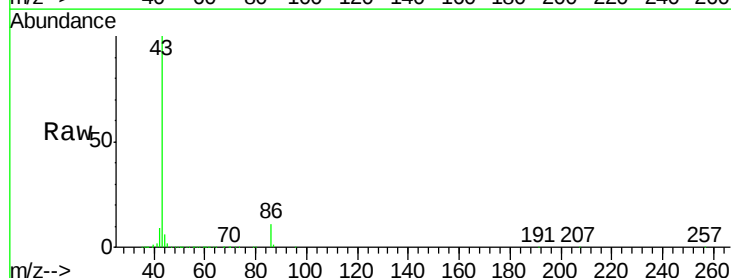
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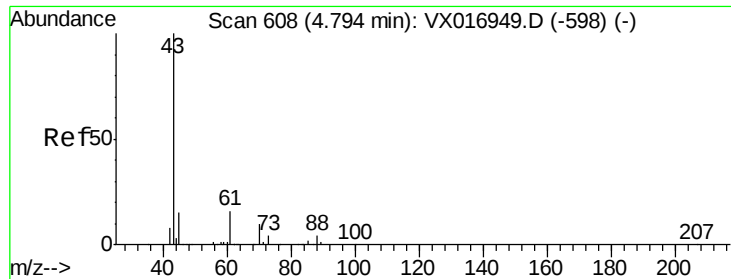
MMDadoda
6/26/2020 3:33:40 PM



#42
Vinyl Acetate
Concen: 23.450 ug/l
RT: 3.78 min Scan# 442
Delta R.T. -0.01 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	43	Resp	173417
Ion Ratio	100	Lower	Upper
43	100		
86	9.1	7.4	11.2





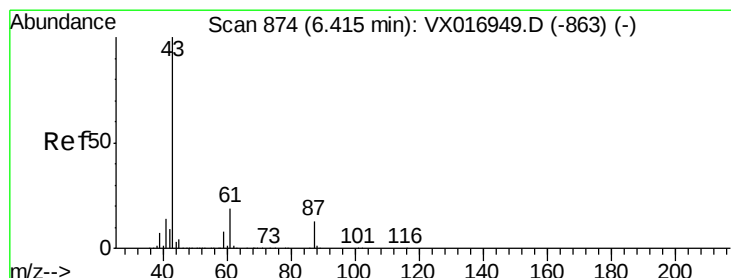
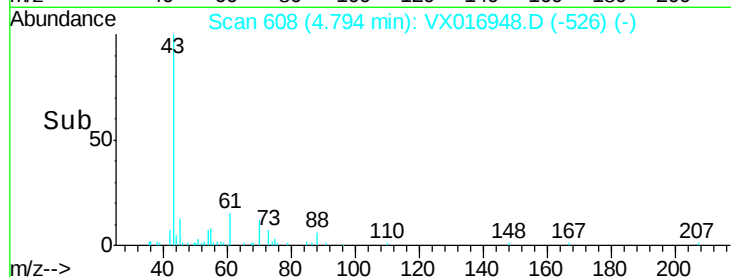
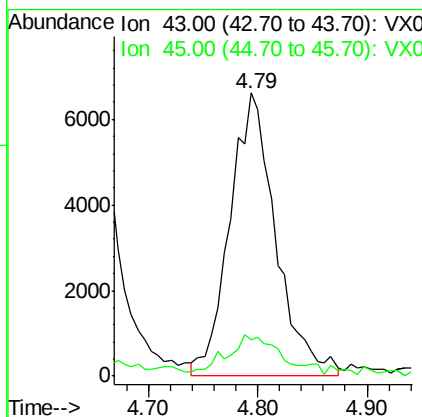
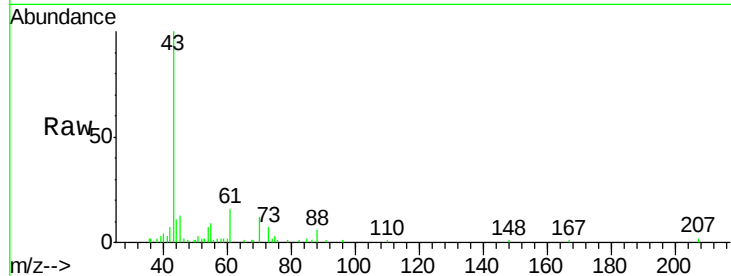
#43
Ethyl Acetate
Concen: 5.106 ug/l m
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	19362
Ion Ratio	Lower	Upper	
43	100		
45	0.1	11.8	17.6#

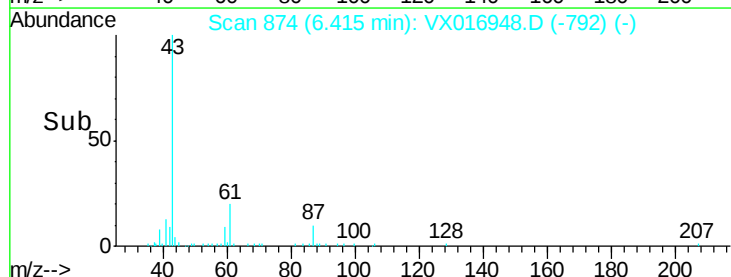
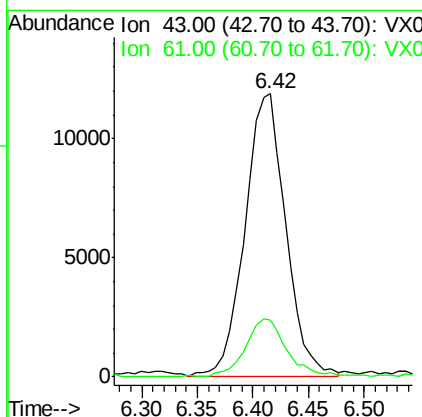
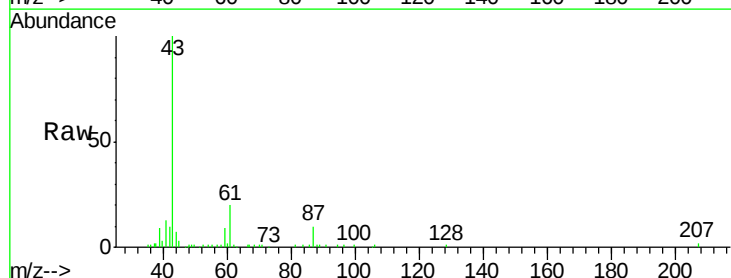
Manual Integrations
APPROVED

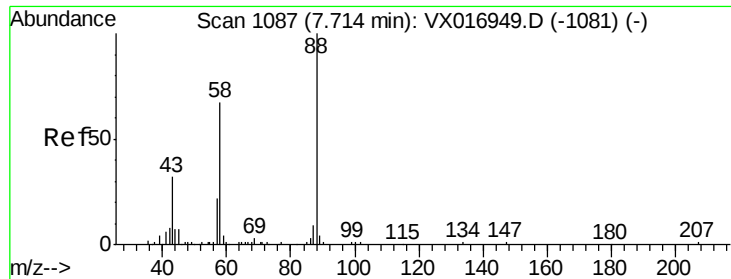
MMDadoda
6/26/2020 3:33:40 PM



#44
Isopropyl Acetate
Concen: 4.861 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	43	Resp	30460
Ion Ratio	Lower	Upper	
43	100		
61	20.2	15.4	23.2





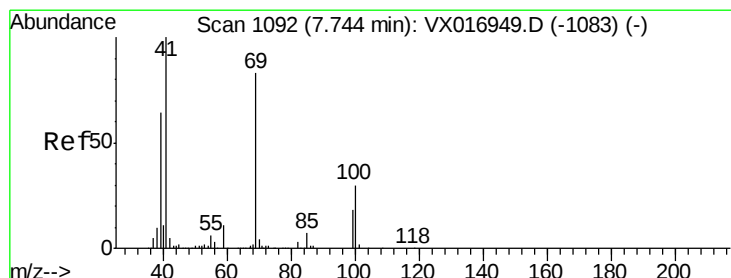
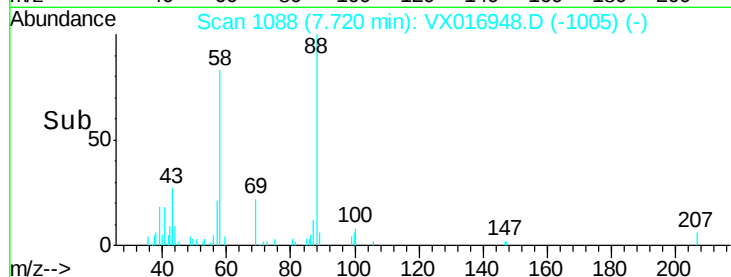
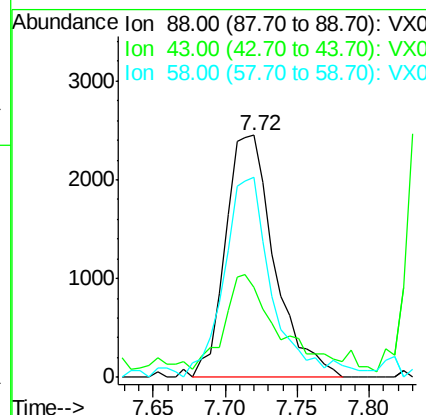
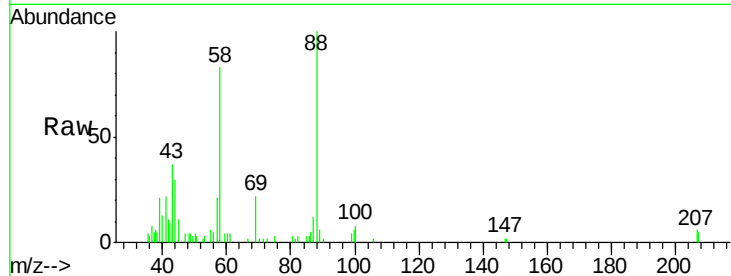
#45
 1,4-Dioxane
 Concen: 92.073 ug/l
 RT: 7.72 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	28.9	43.3
58	78.9	56.7	85.1

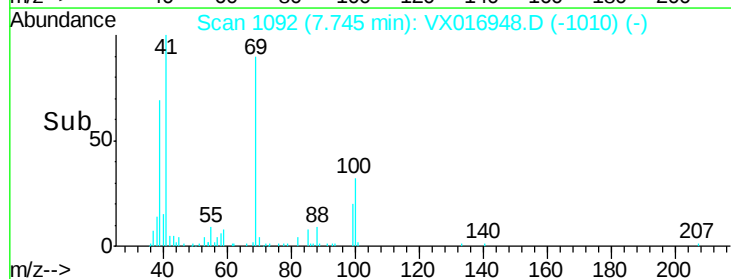
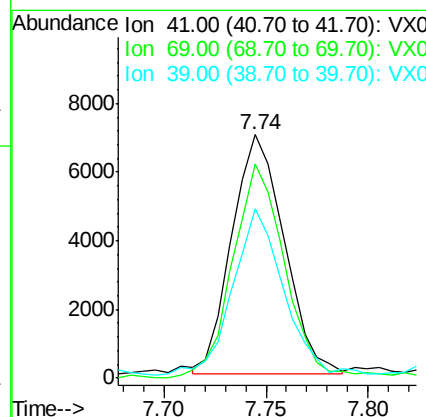
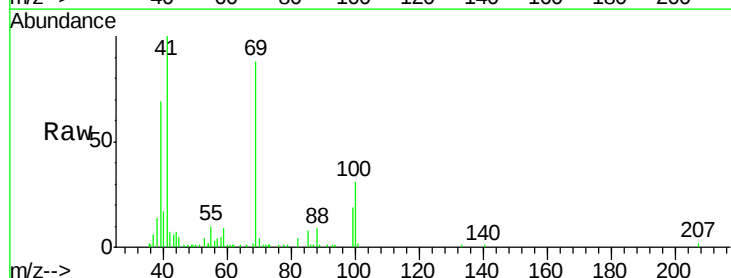
Manual Integrations
 APPROVED

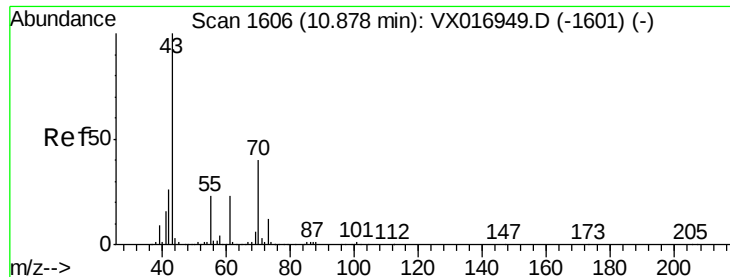
MMDadoda
 6/26/2020 3:33:40 PM



#46
 Methyl methacrylate
 Concen: 4.273 ug/l
 RT: 7.74 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.9	41.3	123.9
39	67.4	32.0	96.2





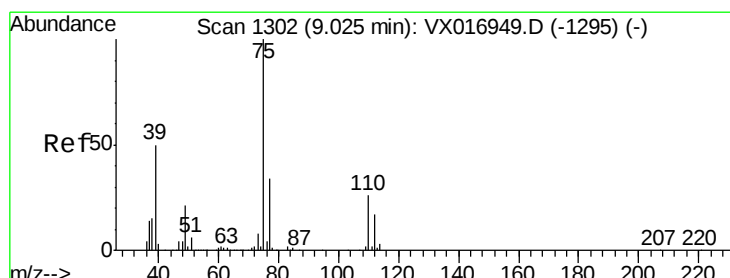
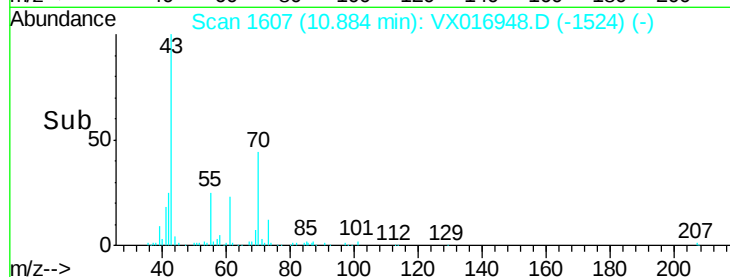
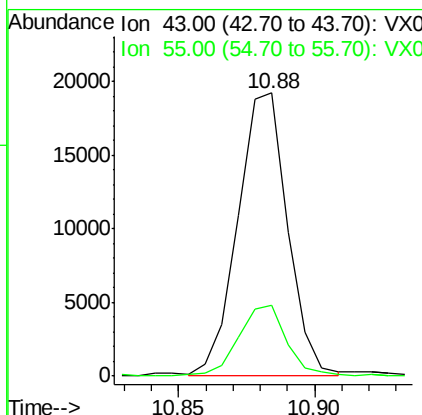
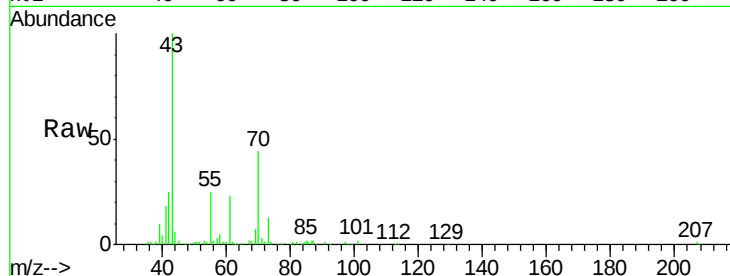
#47
n-amvl Acetate
Concen: 4.384 ug/l
RT: 10.88 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 24279
Ion Ratio Lower Upper
43 100
55 24.6 18.6 27.8

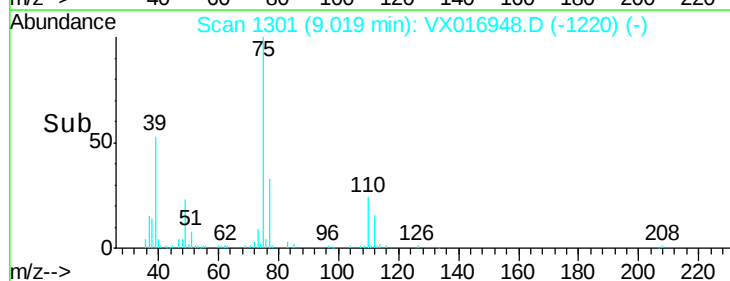
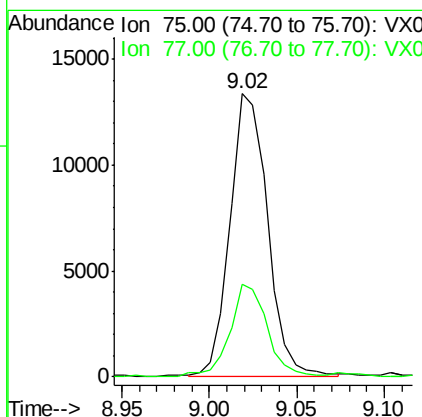
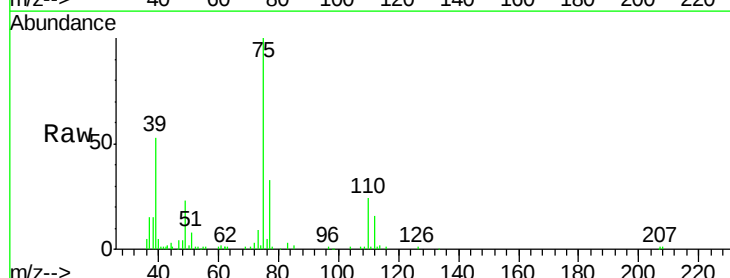
Manual Integrations
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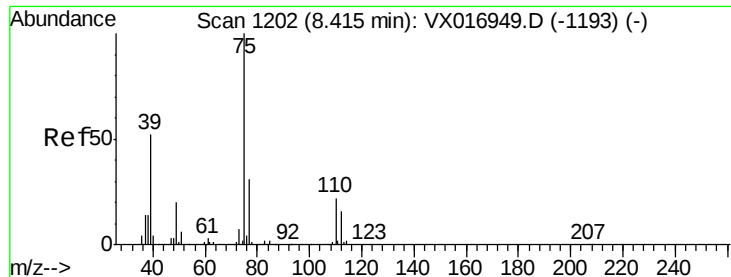
MMDadoda
6/26/2020 3:33:40 PM



#48
t-1,3-Dichloropropene
Concen: 4.764 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion: 75 Resp: 20077
Ion Ratio Lower Upper
75 100
77 31.7 27.0 40.4





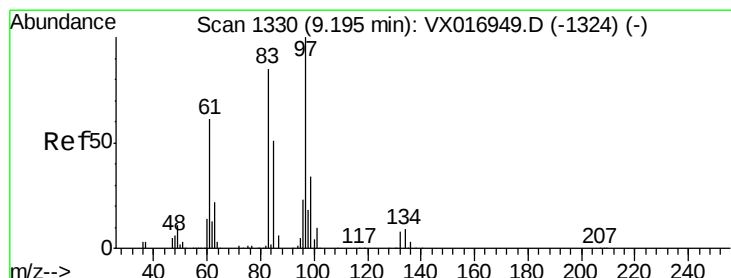
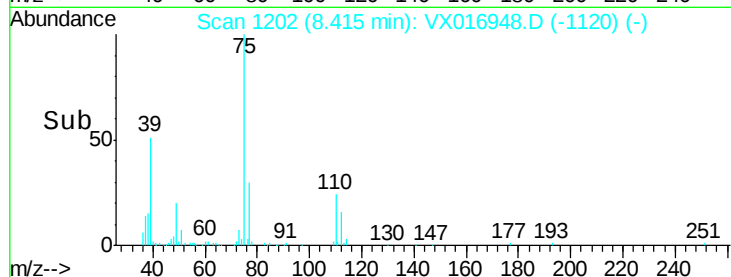
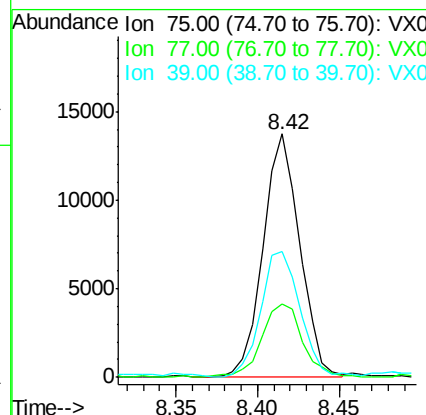
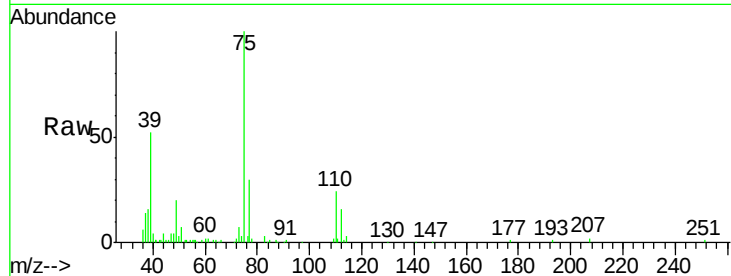
#49
 cis-1,3-Dichloropropene
 Concen: 4.849 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	24.8	37.2
39	50.3	41.8	62.6

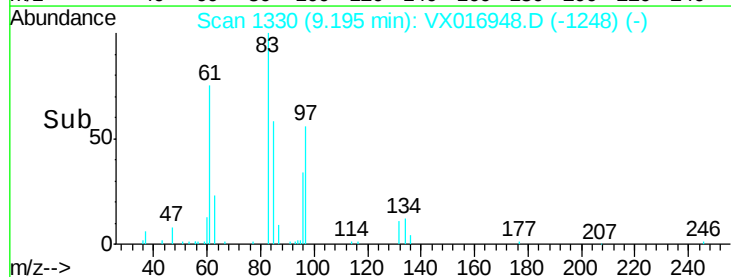
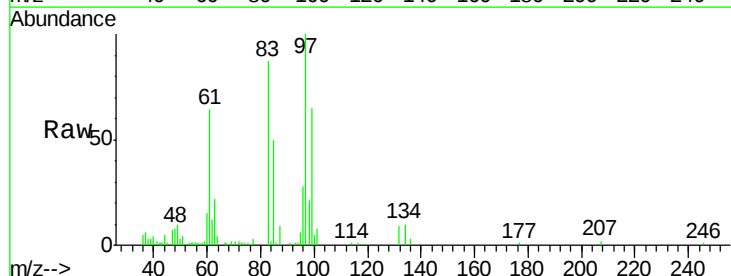
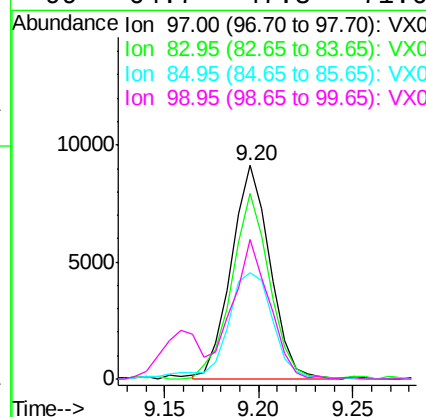
Manual Integrations
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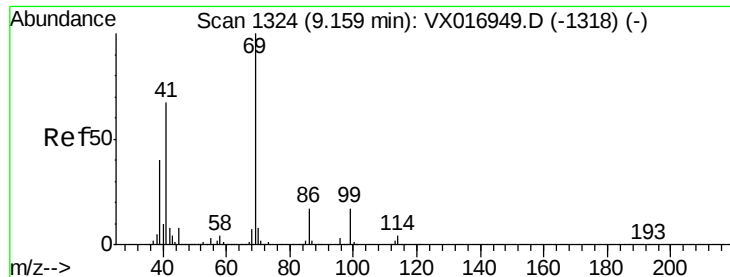
MMDadoda
 6/26/2020 3:33:40 PM



#50
 1,1,2-Trichloroethane
 Concen: 5.087 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.4	101.0
85	49.2	42.9	64.3
99	64.7	47.8	71.6





#51

Ethyl methacrylate

Concen: 4.319 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

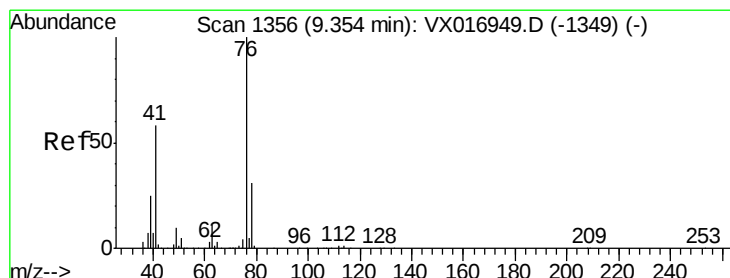
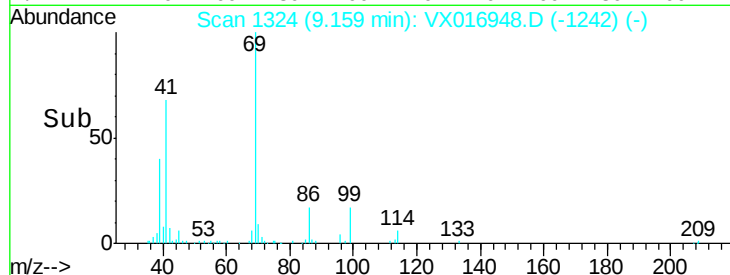
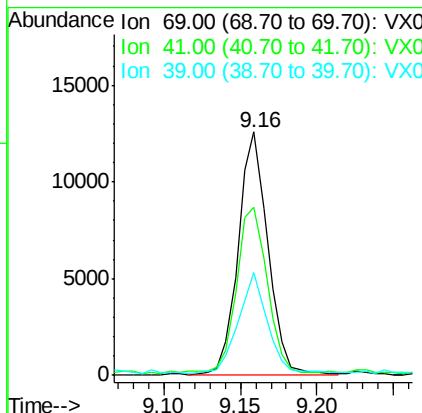
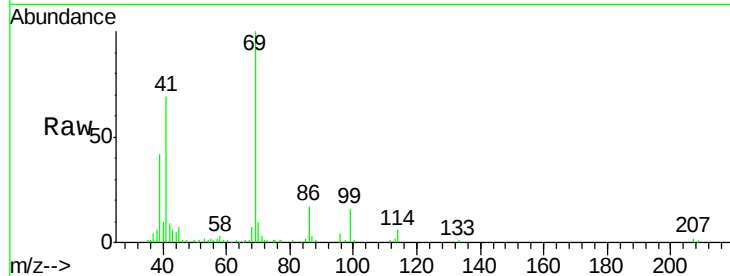
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	17029
Ion	Ratio	Lower	Upper
69	100		
41	67.8	33.7	101.1
39	41.0	19.9	59.7

Manual Integrations
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6/26/2020 3:33:40 PM



#52

1,3-Dichloropropane

Concen: 4.866 ug/l

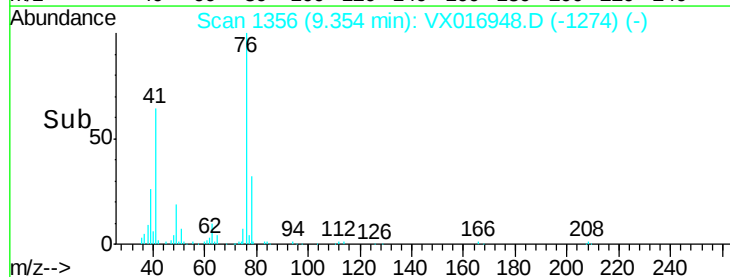
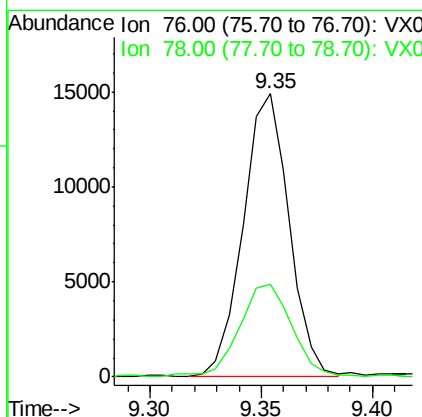
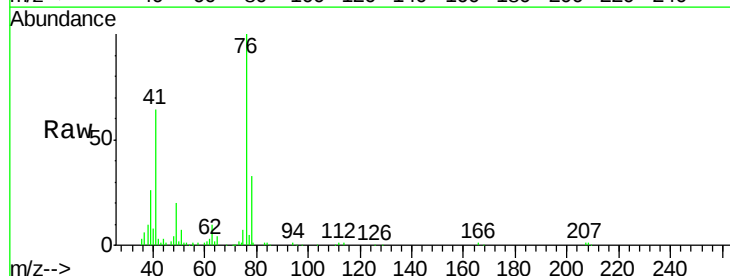
RT: 9.35 min Scan# 1356

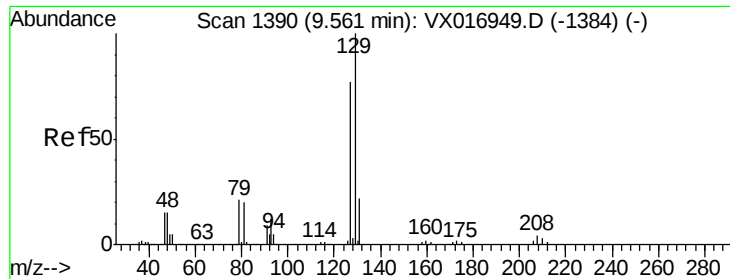
Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Tgt Ion:	76	Resp:	21461
Ion	Ratio	Lower	Upper
76	100		
78	36.8	0.0	62.4





#53

Dibromochloromethane

Concen: 4.786 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:129 Resp: 14132

Ion Ratio Lower Upper

129 100

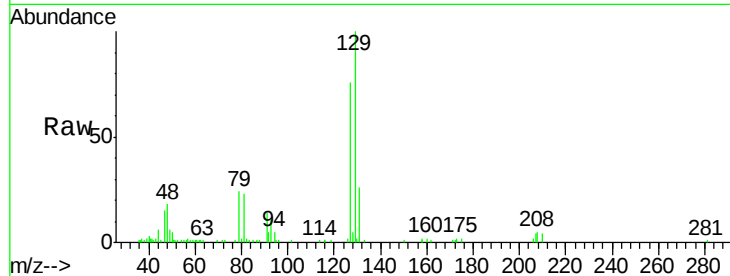
127 75.4 38.7 116.1

Manual Integrations

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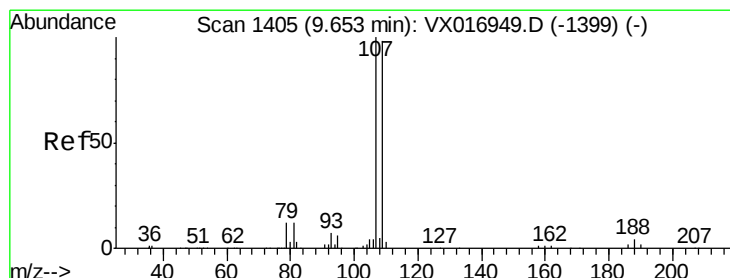
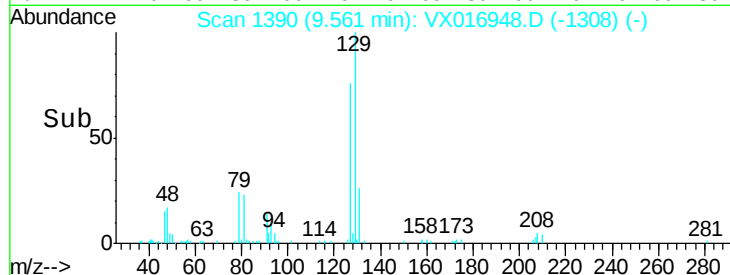
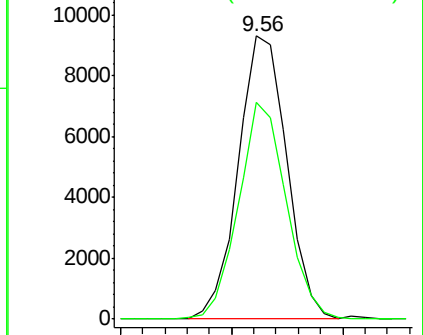
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 5.018 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016948.D

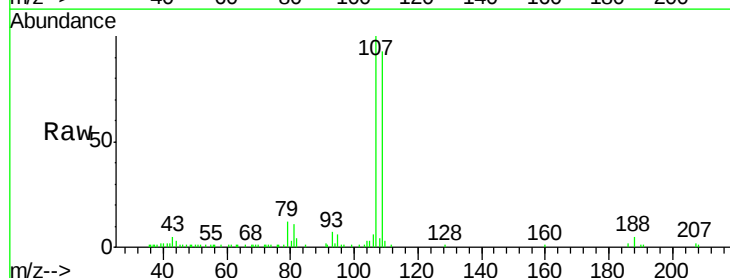
Acq: 25 Jun 2020 12:39

Tgt Ion:107 Resp: 13679

Ion Ratio Lower Upper

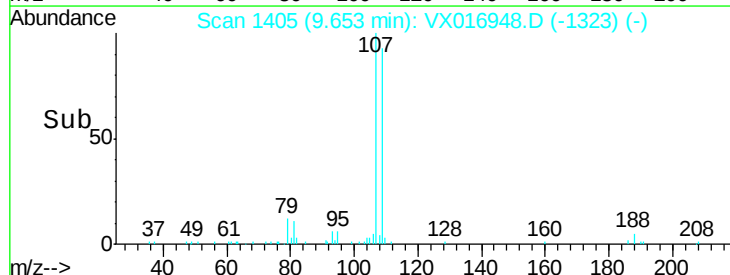
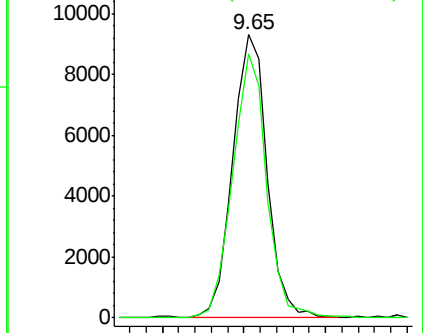
107 100

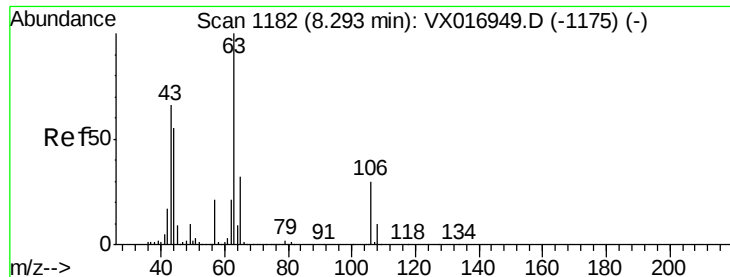
109 90.9 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





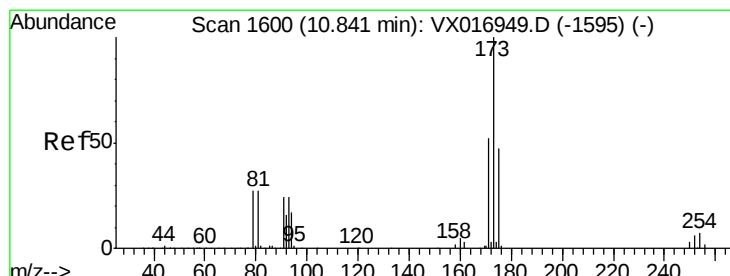
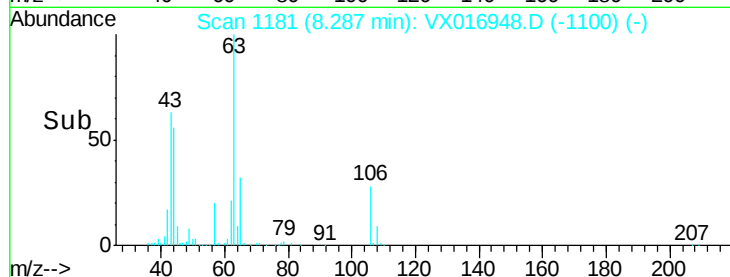
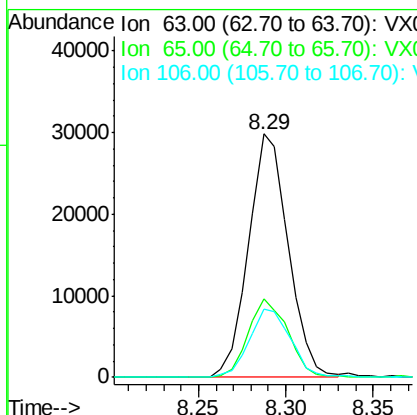
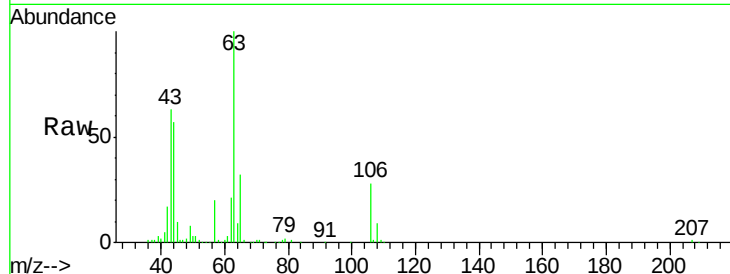
#55
2-Chloroethyl vinyl ether
Concen: 22.756 ug/l
RT: 8.29 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.9	38.9
106	29.1	22.6	33.8

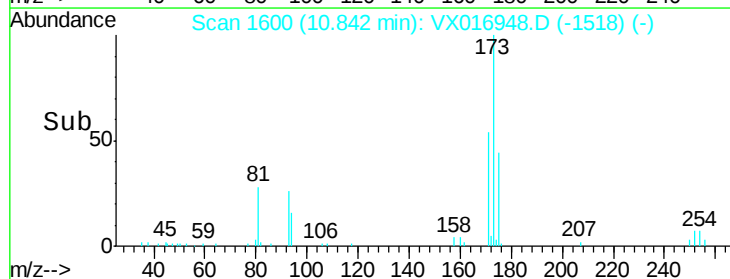
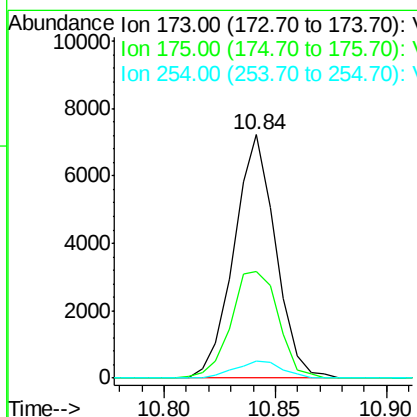
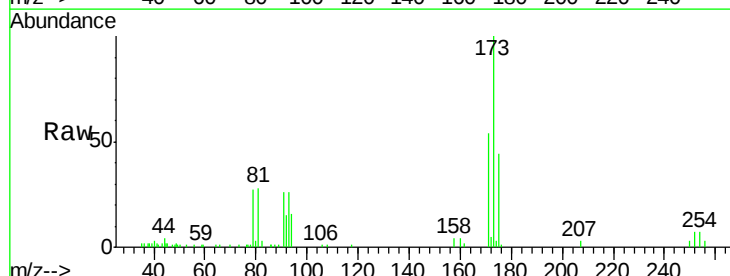
Manual Integrations
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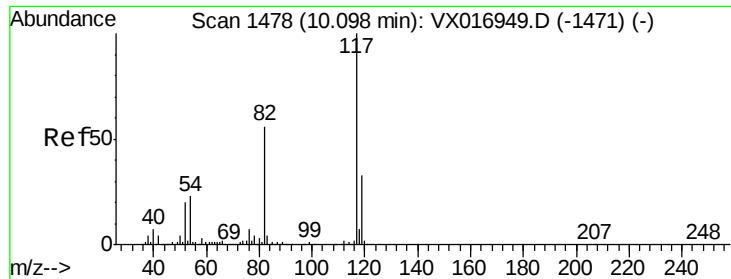
MMDadoda
6/26/2020 3:33:40 PM



#56
Bromoform
Concen: 4.486 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.1	38.7	58.1
254	8.2	5.8	8.6





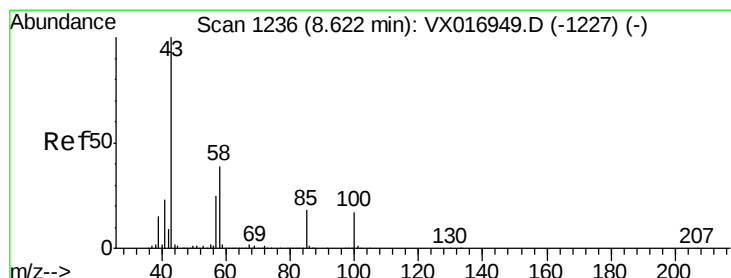
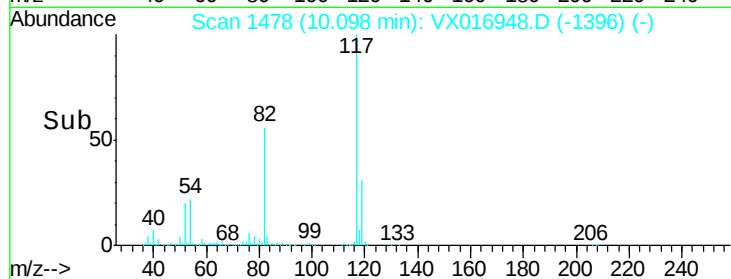
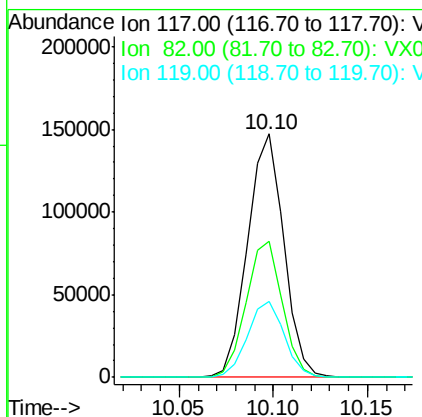
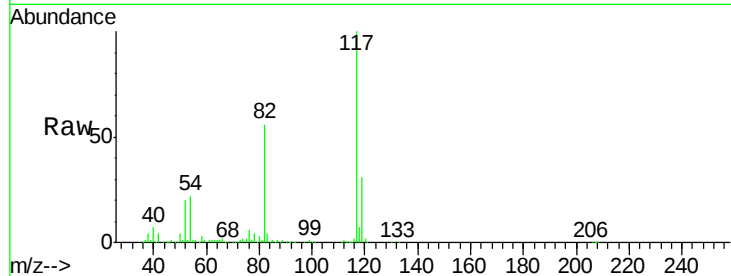
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.9	67.3
119	31.7	25.8	38.8

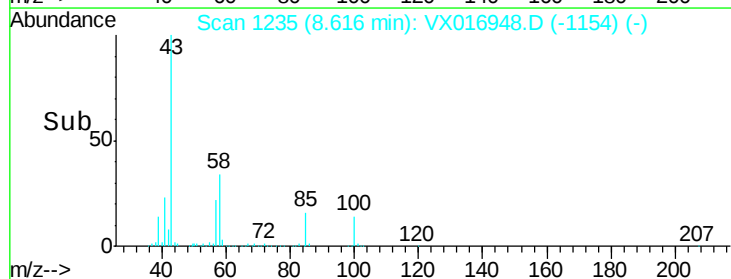
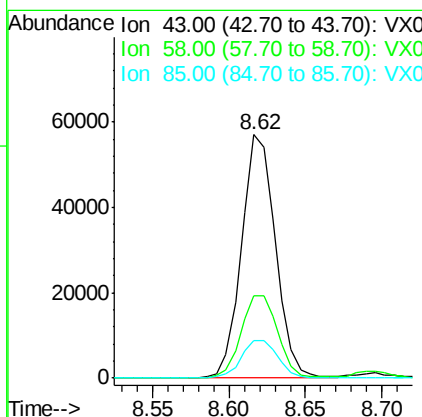
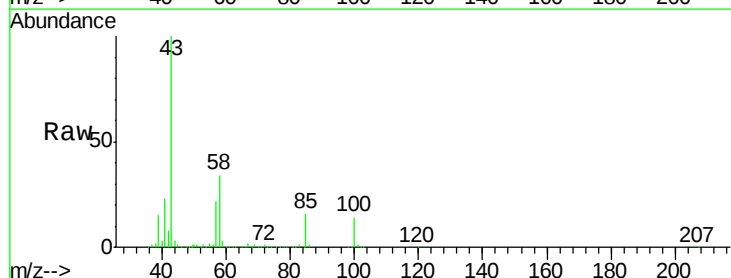
Manual Integrations
APPROVED

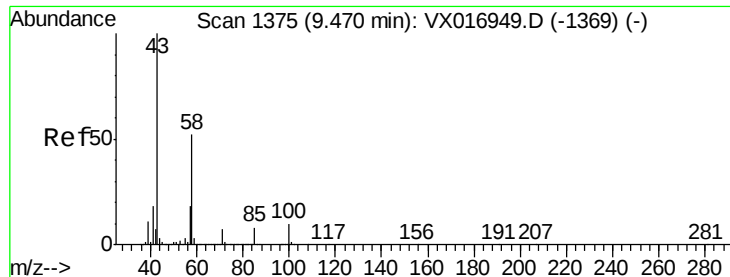
MMDadoda
6/26/2020 3:33:40 PM



#58
4-Methyl-2-Pentanone
Concen: 24.252 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.4	45.6
85	16.9	13.5	20.3





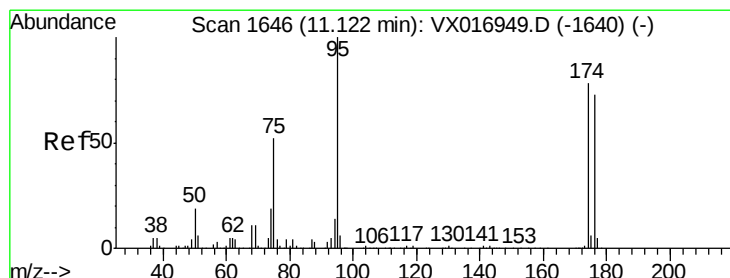
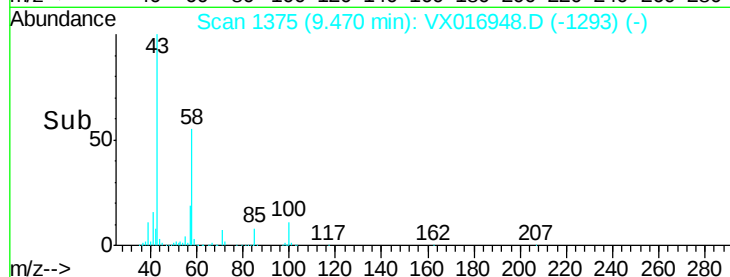
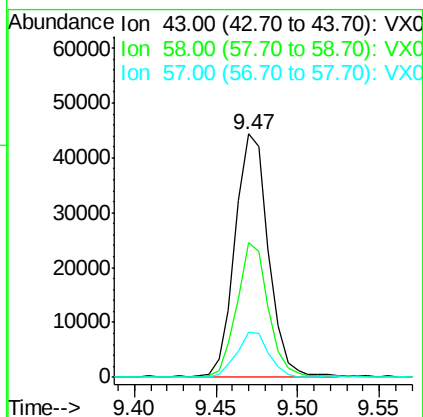
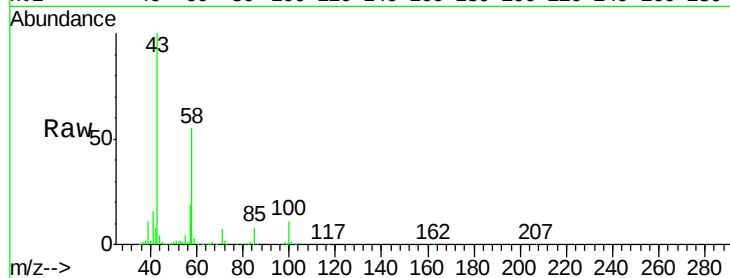
#59
2-Hexanone
Concen: 23.377 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.7	42.3	63.5
57	18.2	14.1	21.1

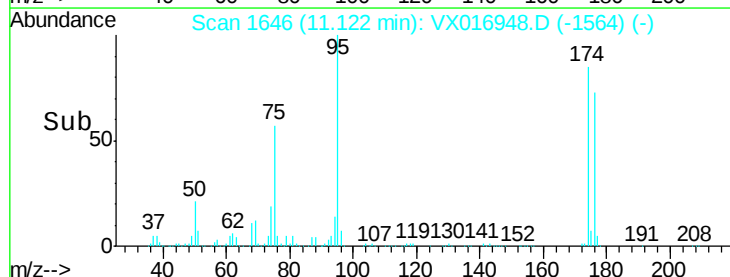
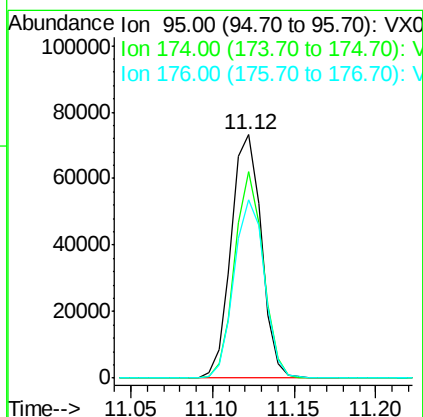
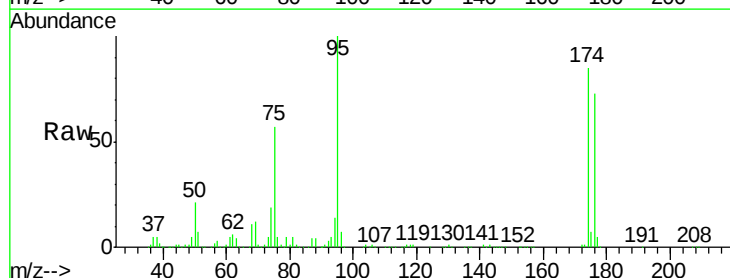
Manual Integrations
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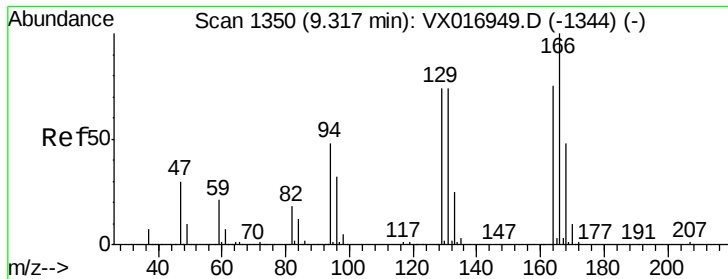
MMDadoda
6/26/2020 3:33:40 PM



#60
4-Bromofluorobenzene
Concen: 28.954 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.5	62.2	93.4
176	74.1	58.9	88.3





#61

Tetrachloroethene

Concen: 5.591 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 13995

Ion Ratio Lower Upper

164 100

166 126.3 106.3 159.5

129 100.5 78.9 118.3

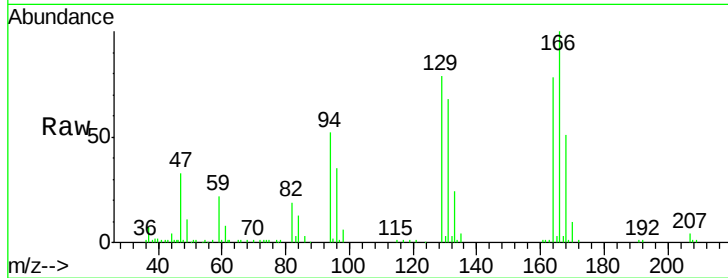
131 87.0 78.2 117.4

Manual Integrations

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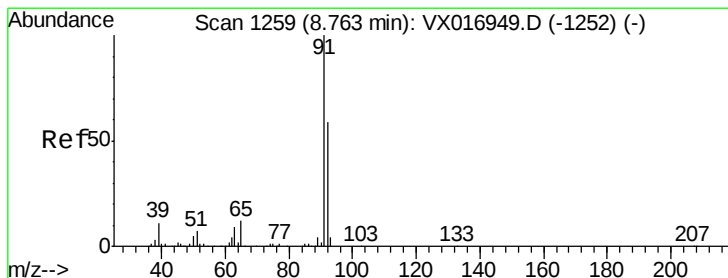
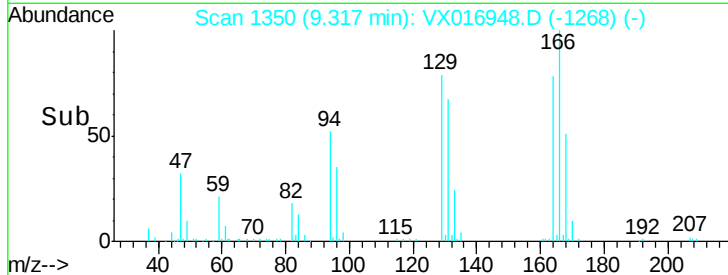
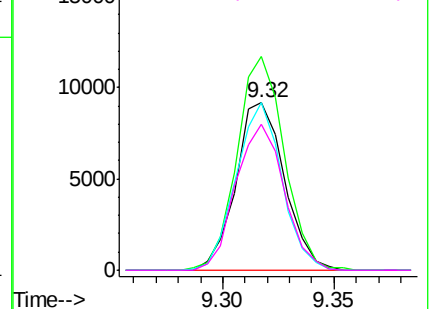


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.196 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX016948.D

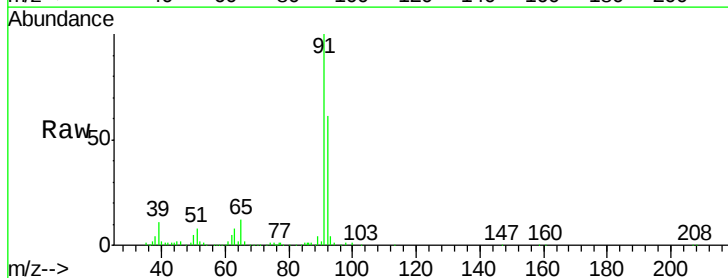
Acq: 25 Jun 2020 12:39

Tgt Ion: 91 Resp: 55781

Ion Ratio Lower Upper

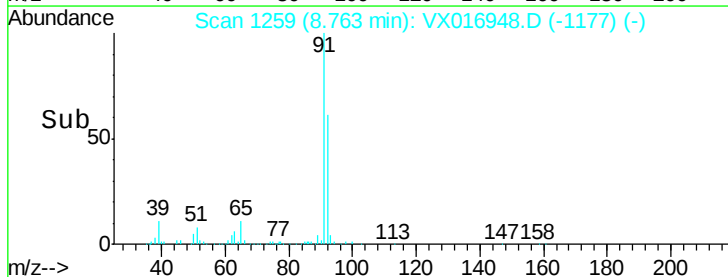
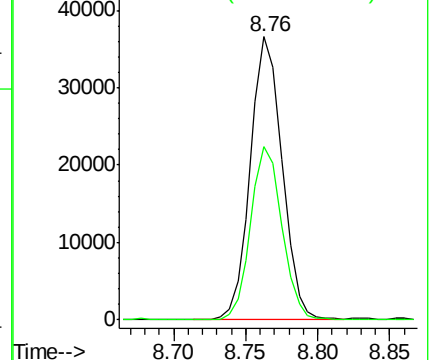
91 100

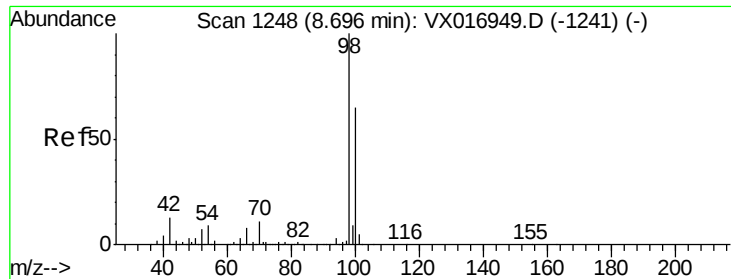
92 60.4 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.524 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 264088

Ion Ratio Lower Upper

98 100

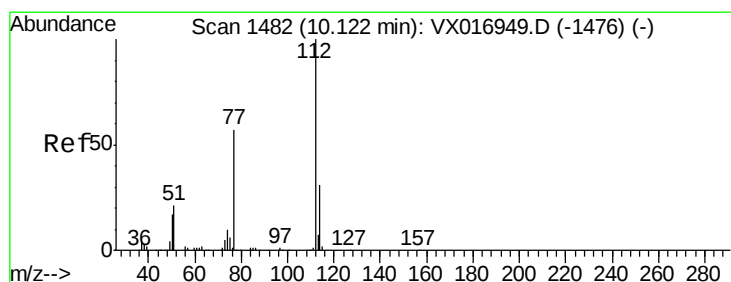
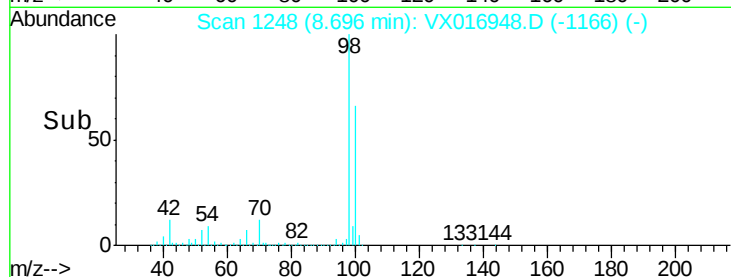
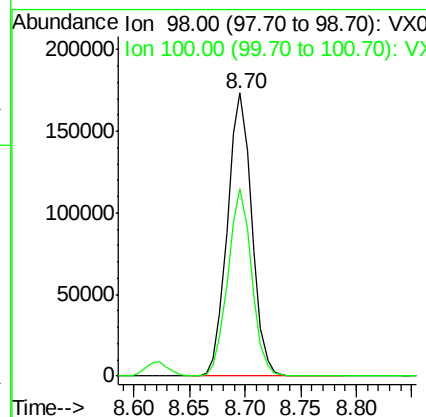
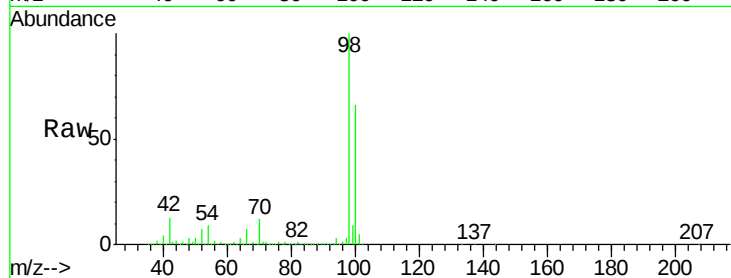
100 64.4 52.3 78.5

Manual Integrations

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#64

Chlorobenzene

Concen: 5.153 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016948.D

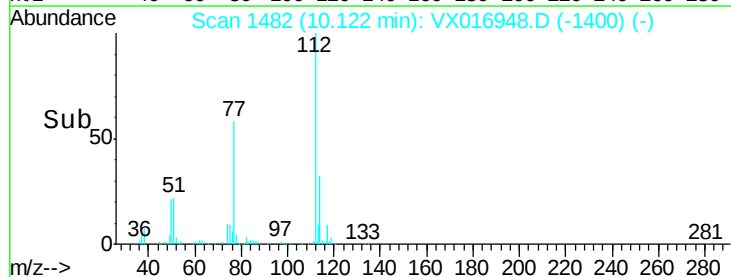
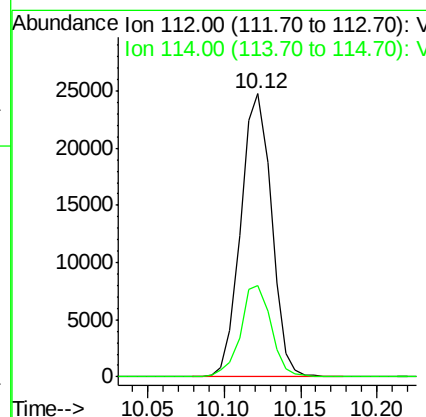
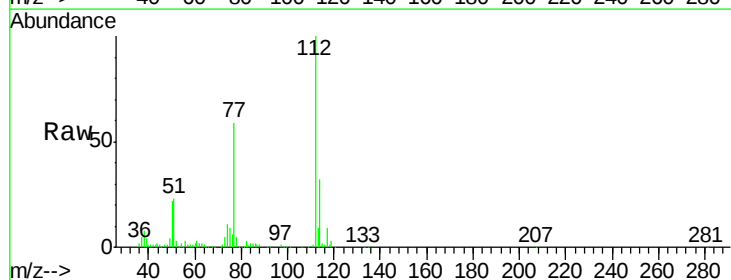
Acq: 25 Jun 2020 12:39

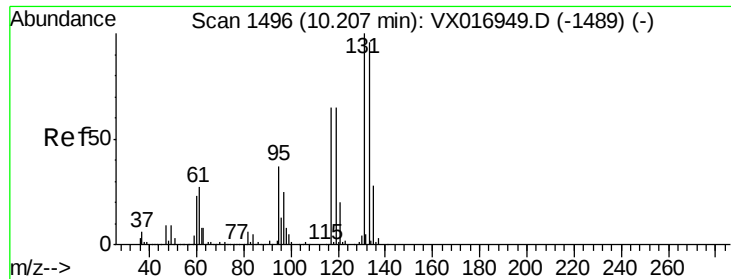
Tgt Ion: 112 Resp: 34655

Ion Ratio Lower Upper

112 100

114 32.2 24.9 37.3





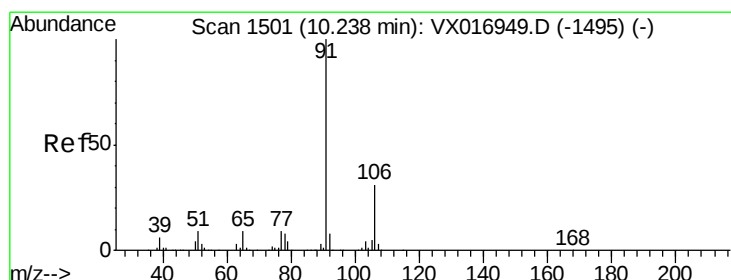
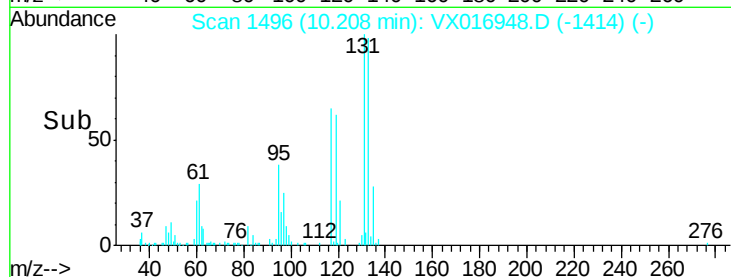
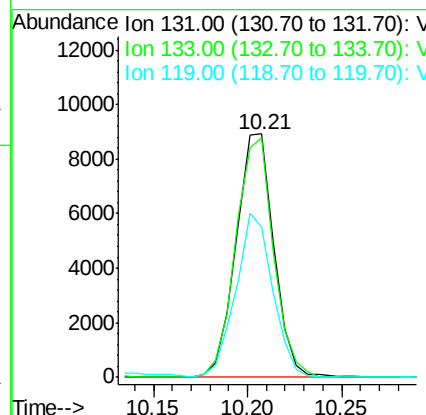
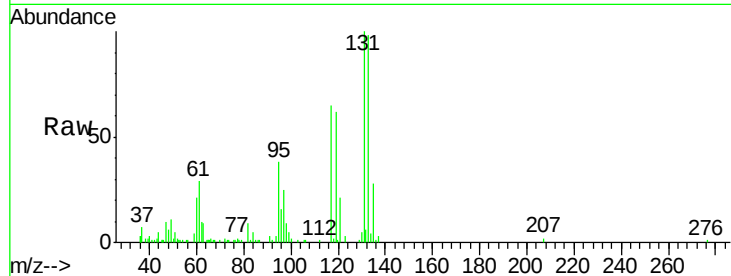
#65
 1,1,1,2-Tetrachloroethane
 Concen: 4.913 ug/l
 RT: 10.21 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.9	0.0	190.2
119	65.7	0.0	133.2

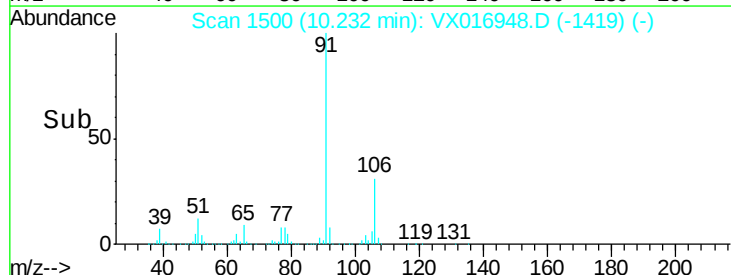
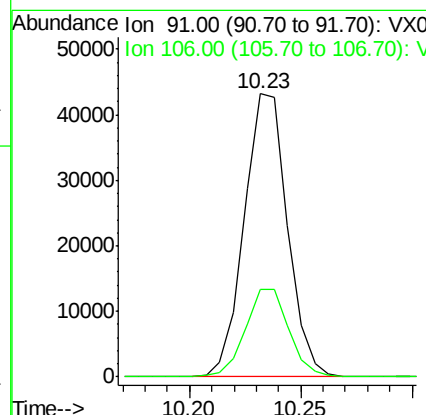
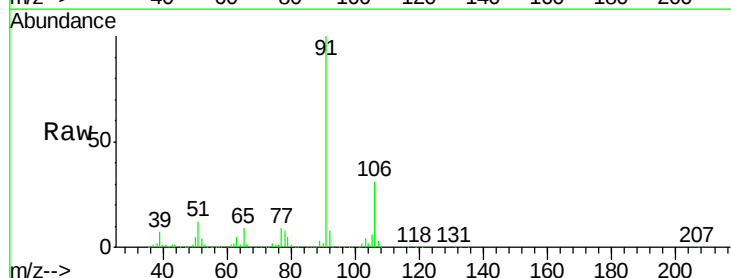
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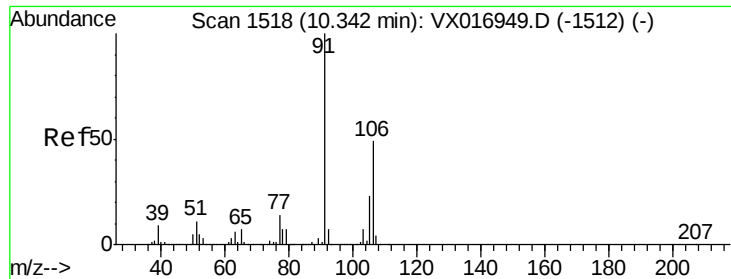
MMDadoda
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#66
 Ethyl Benzene
 Concen: 4.899 ug/l
 RT: 10.23 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.8	37.2





#67

m/p-Xylenes

Concen: 9.797 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:106 Resp: 43995

Ion Ratio Lower Upper

106 100

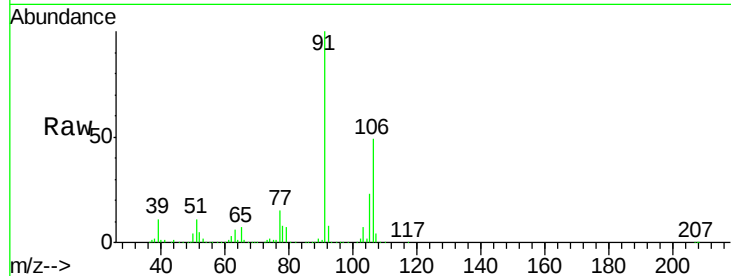
91 203.7 164.5 246.7

Manual Integrations

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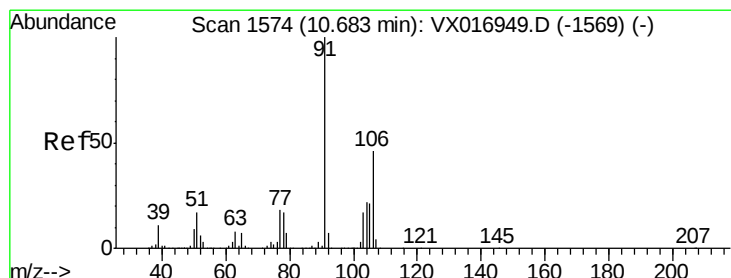
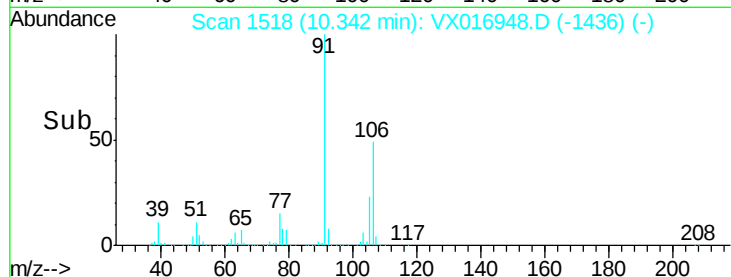
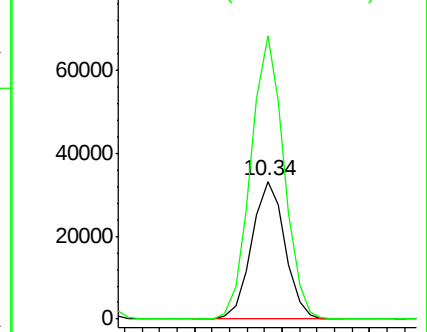
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 4.829 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX016948.D

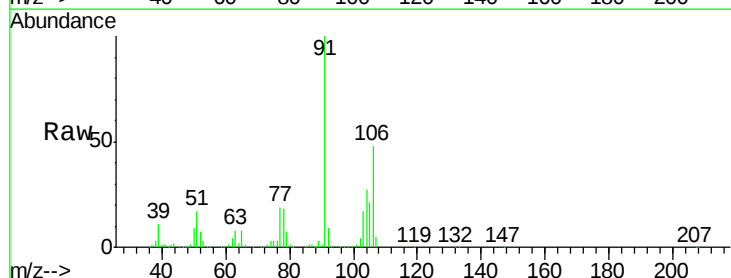
Acq: 25 Jun 2020 12:39

Tgt Ion:106 Resp: 20830

Ion Ratio Lower Upper

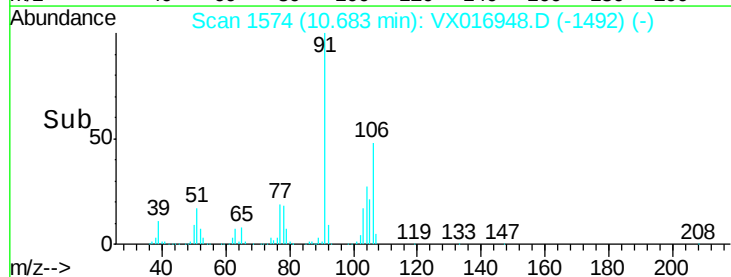
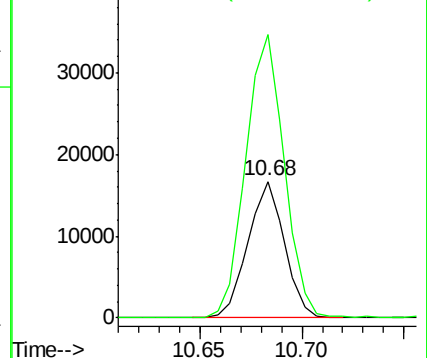
106 100

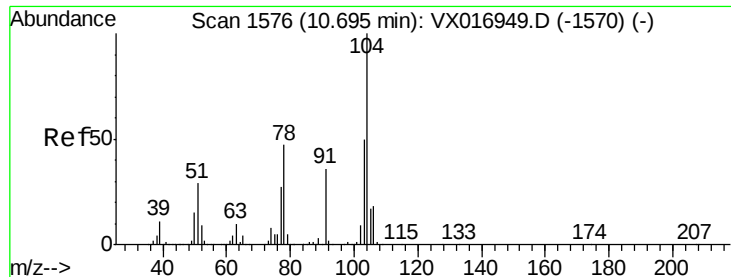
91 215.8 107.3 321.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





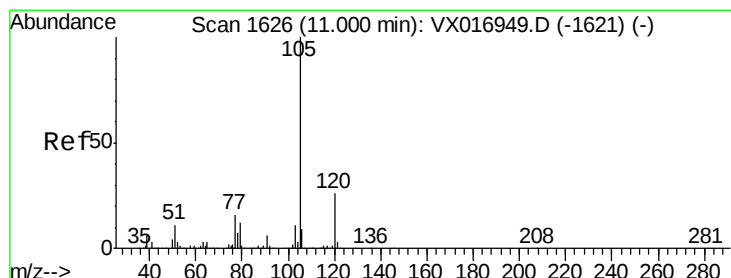
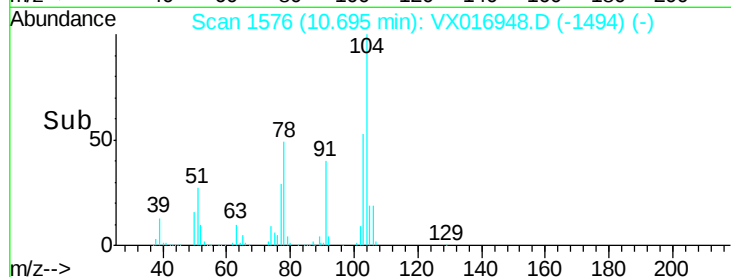
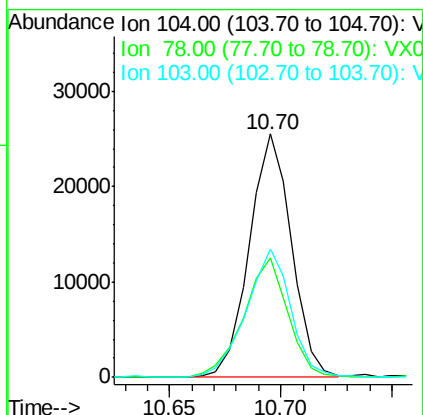
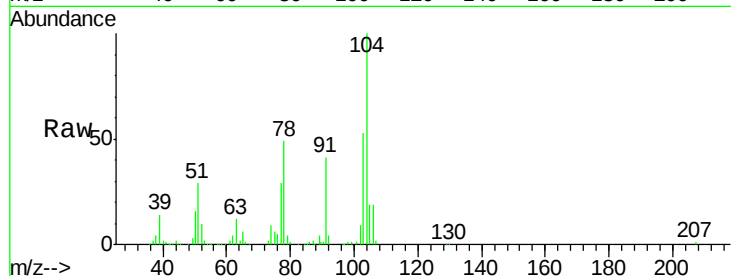
#69
Stvrene
Concen: 4.549 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.6	64.0
103	55.7	44.1	66.1

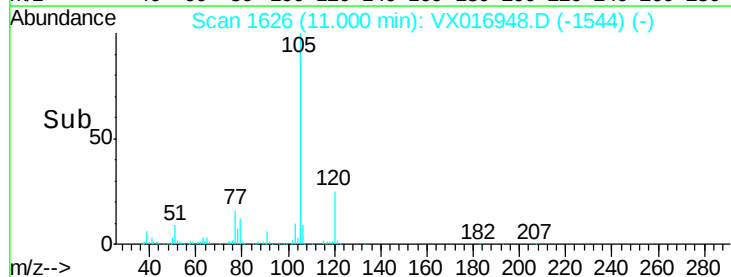
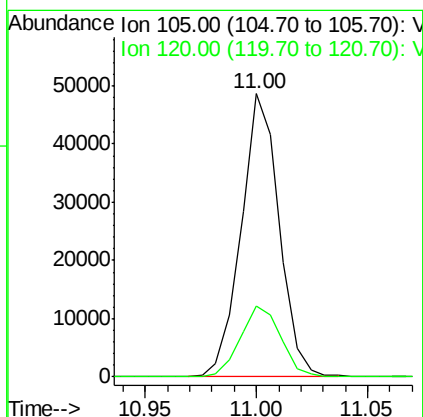
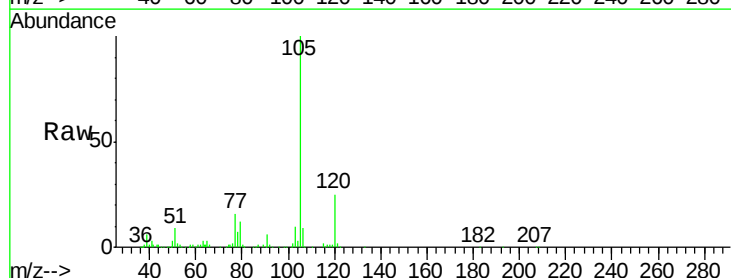
Manual Integrations
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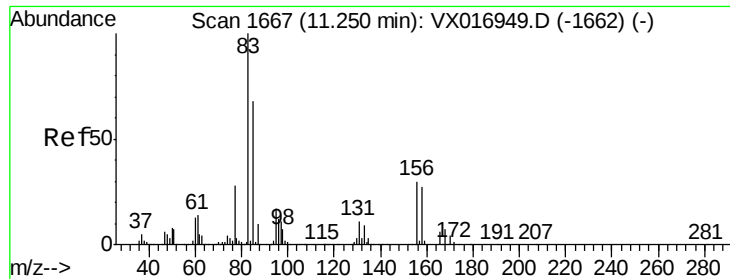
MMDadoda
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#70
Isopropylbenzene
Concen: 4.947 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	19.0	35.4





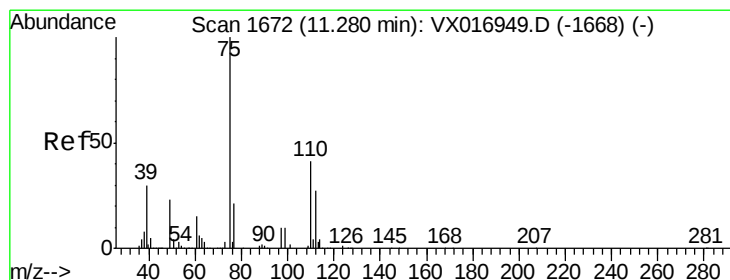
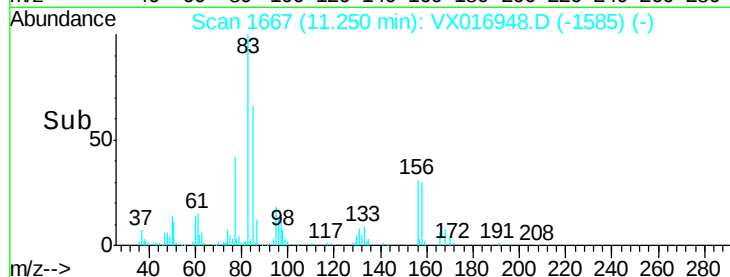
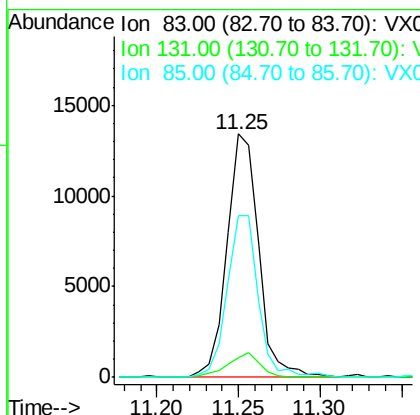
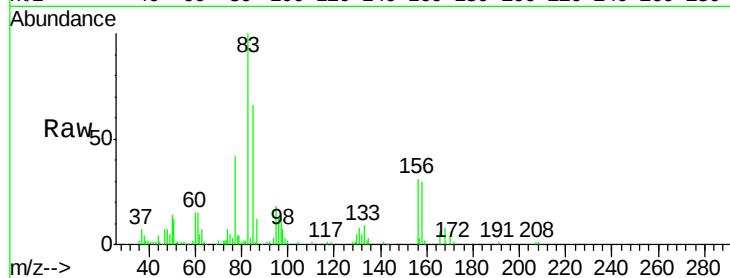
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.035 ug/l
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	65.1	33.1	99.3

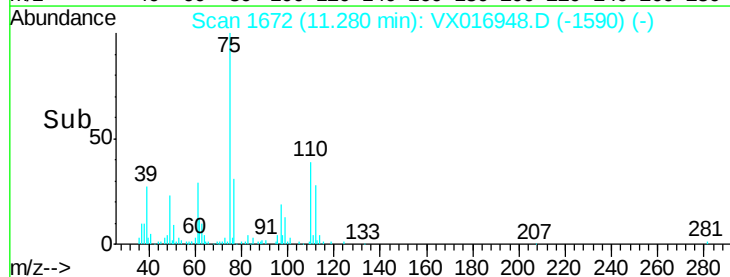
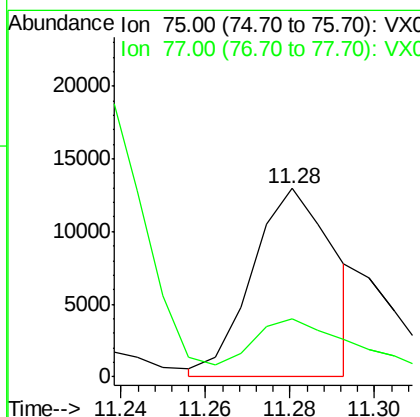
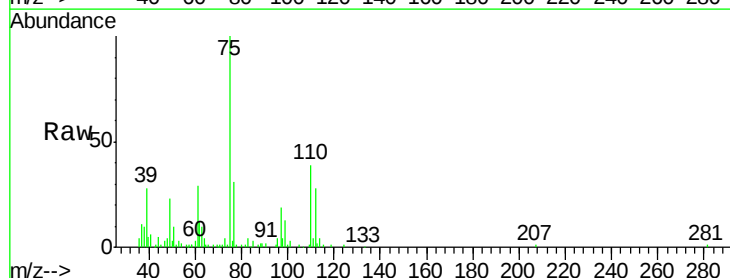
Manual Integrations
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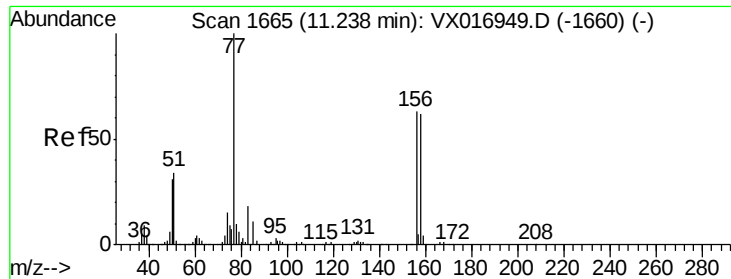
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#72
 1,2,3-Trichloropropane
 Concen: 5.075 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	39.9	0.0	77.2





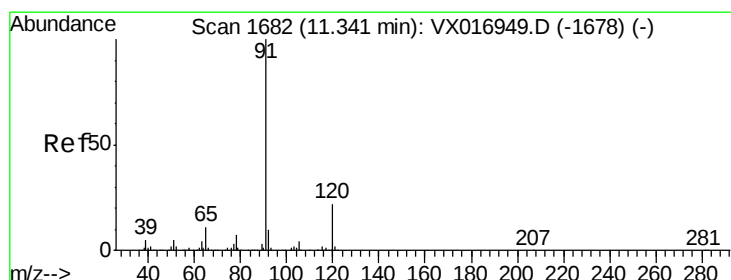
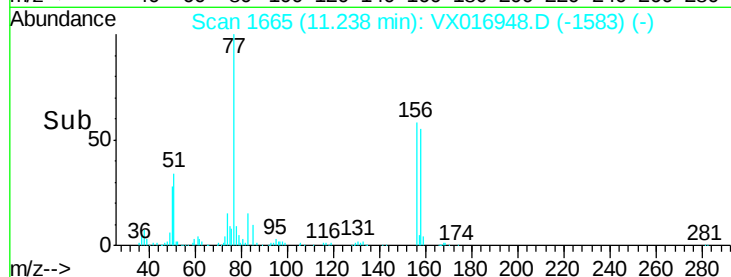
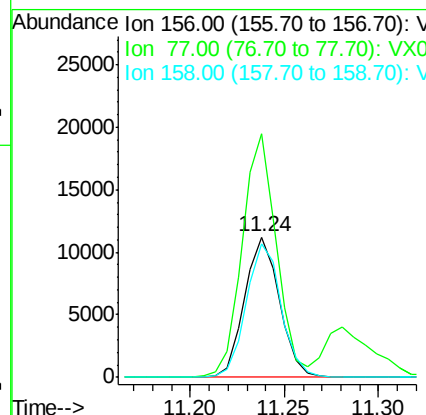
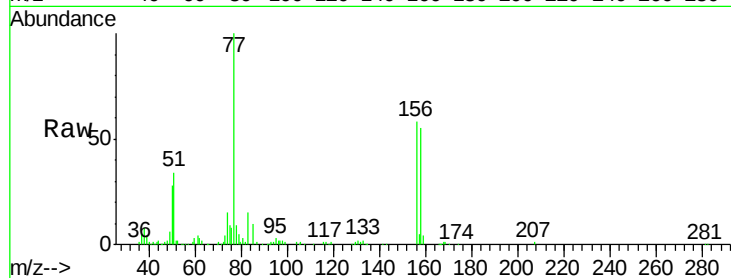
#73
Bromobenzene
Concen: 4.896 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.9	0.0	317.2
158	94.8	0.0	188.4

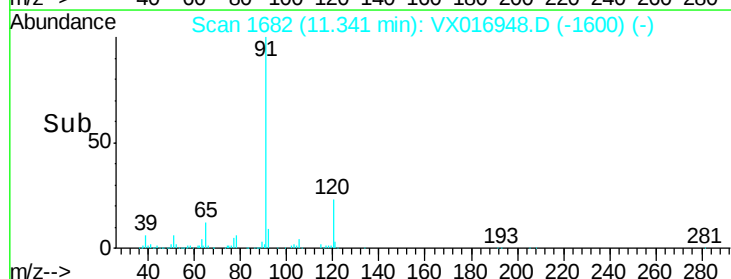
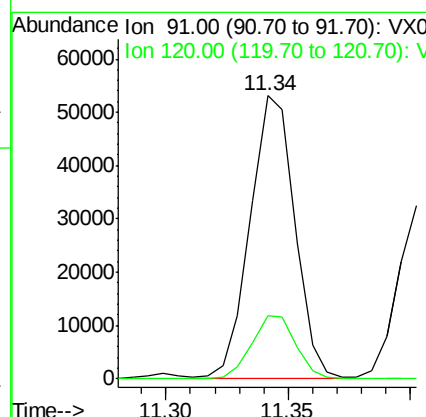
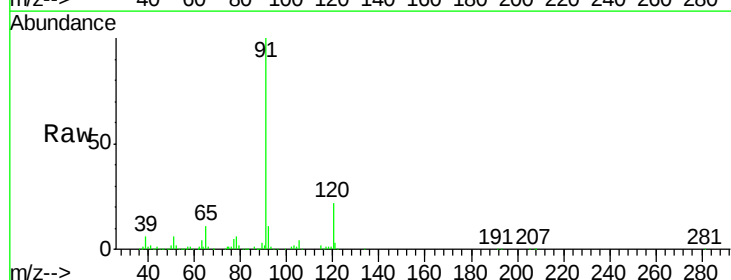
Manual Integrations
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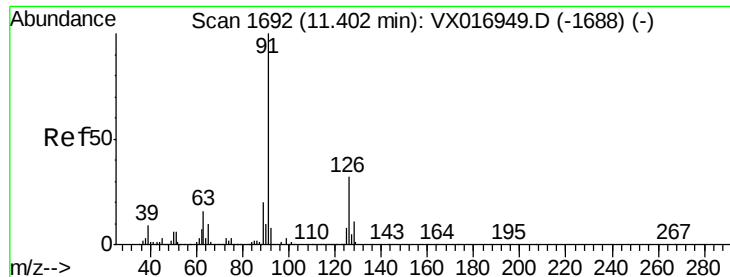
MMDadoda
6/26/2020 3:33:40 PM



#74
n-propylbenzene
Concen: 4.852 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	0.0	45.6





#75

2-Chlorotoluene

Concen: 5.000 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016948.D

Acq: 25 Jun 2020 12:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 40508

Ion Ratio Lower Upper

91 100

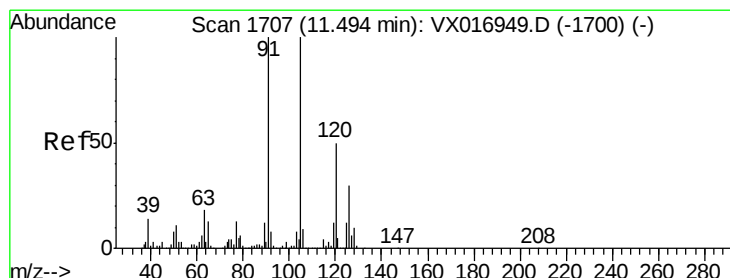
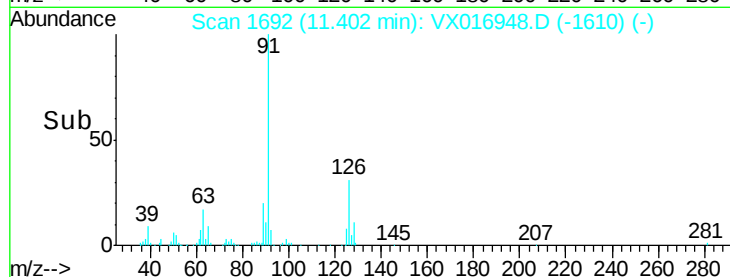
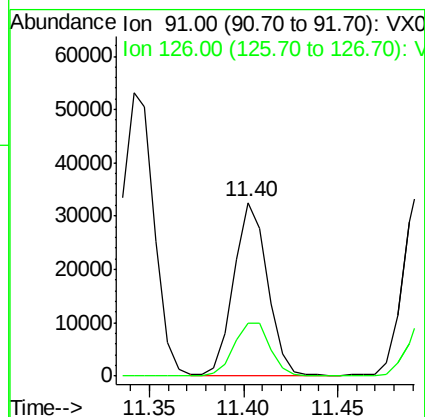
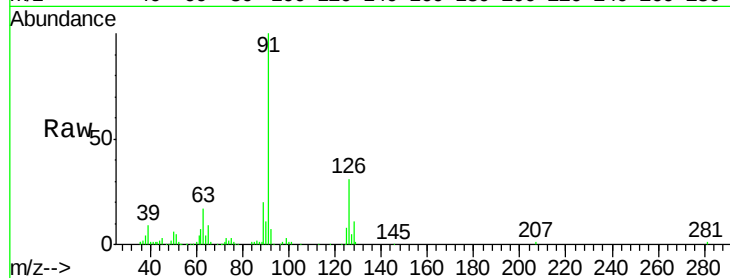
126 32.9 0.0 68.0

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 4.749 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016948.D

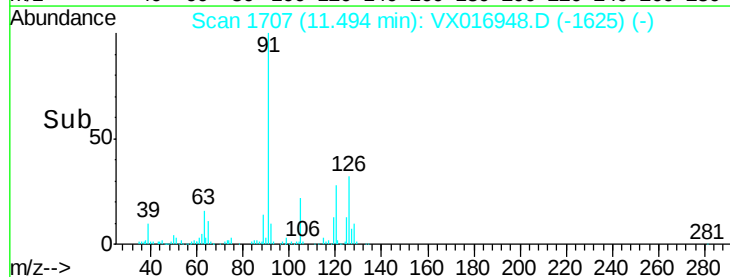
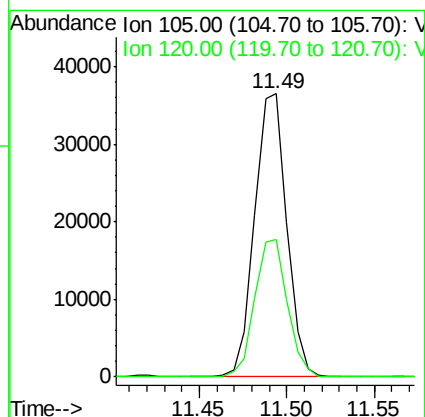
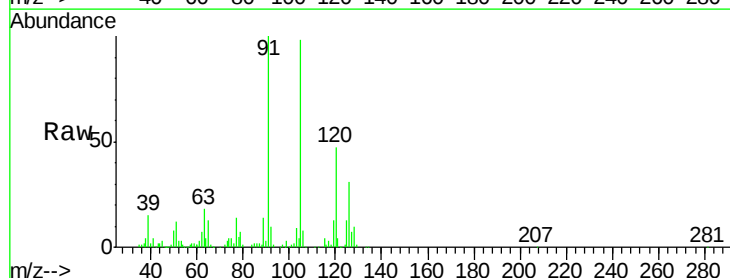
Acq: 25 Jun 2020 12:39

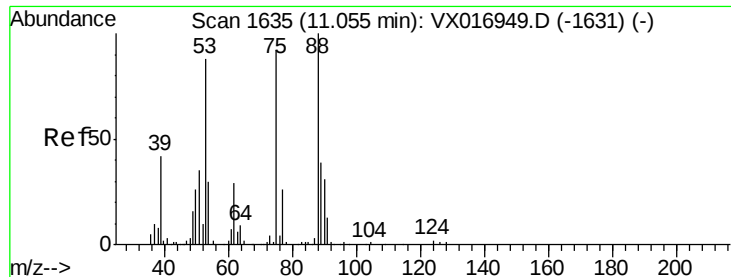
Tgt Ion: 105 Resp: 46645

Ion Ratio Lower Upper

105 100

120 49.3 0.0 99.4





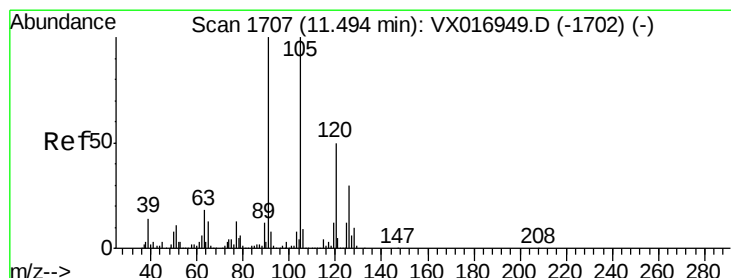
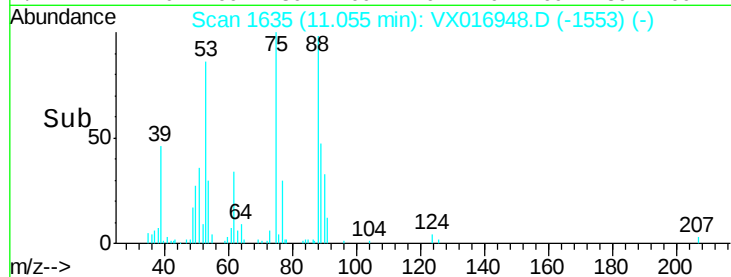
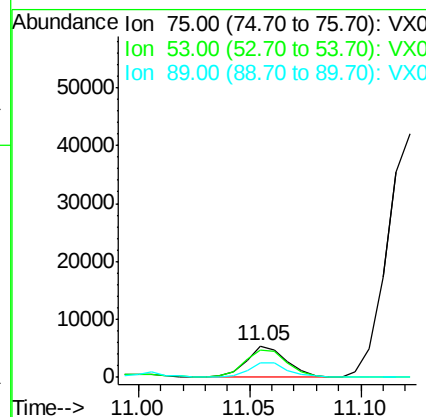
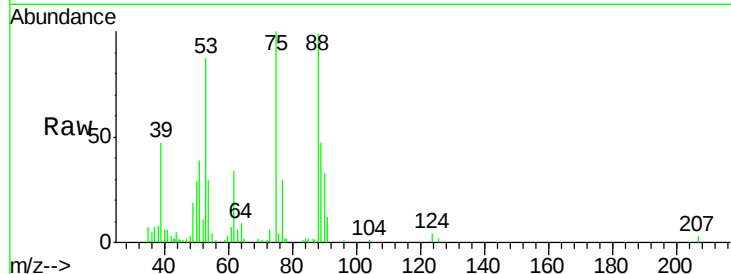
#77
t-1,4-Dichloro-2-butene
Concen: 4.879 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.4	47.6	142.9
89	45.1	21.1	63.4

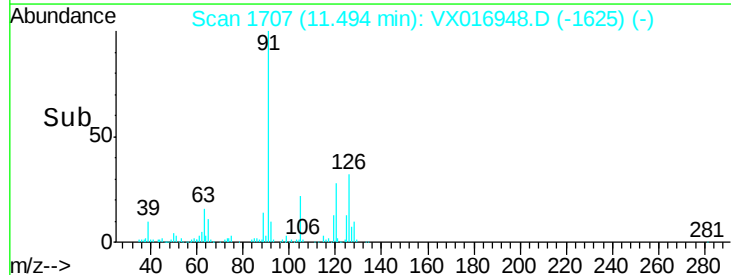
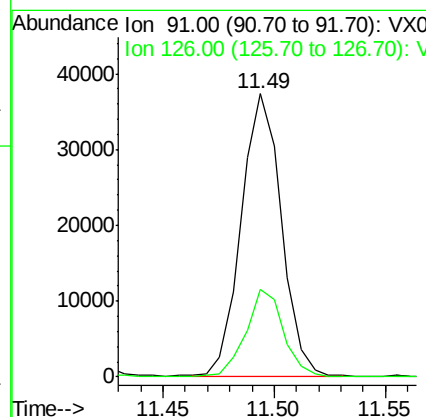
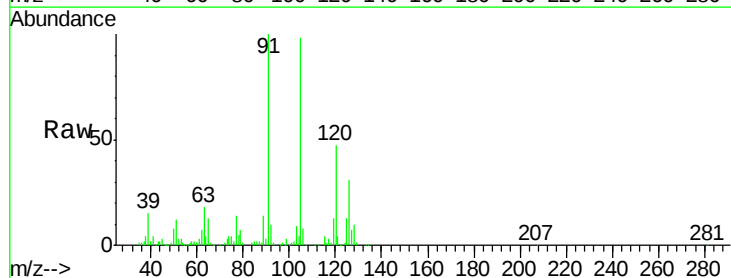
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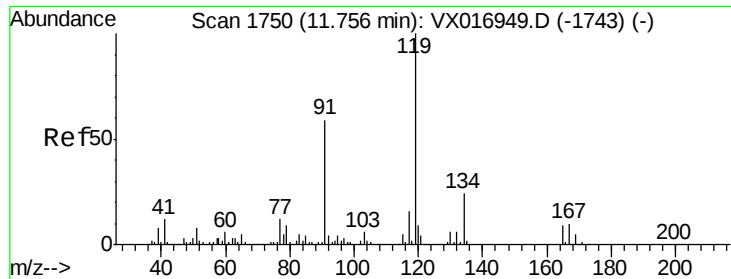
MMDadoda
6/26/2020 3:33:40 PM



#78
4-Chlorotoluene
Concen: 4.888 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	0.0	60.6





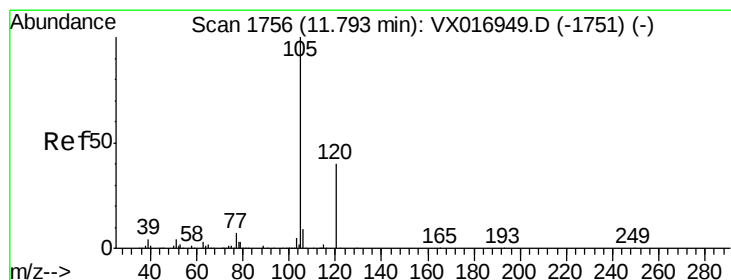
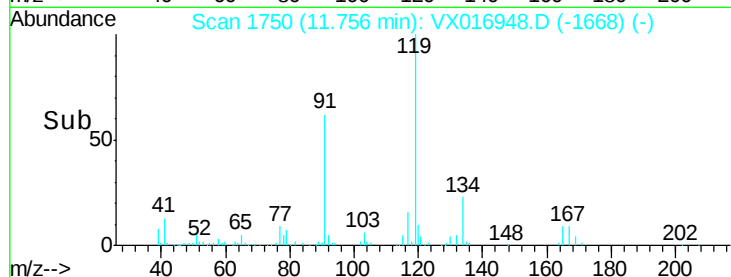
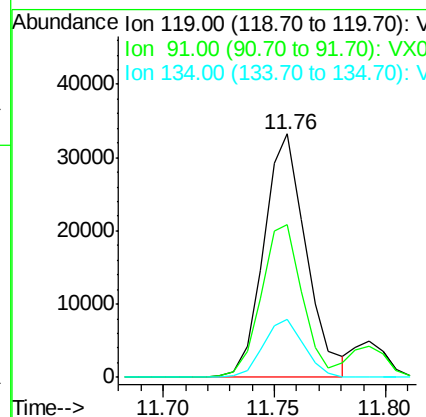
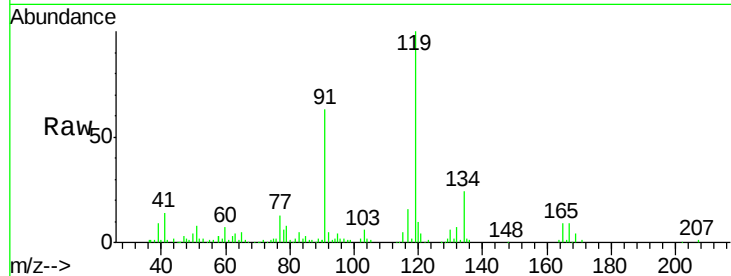
#79
tert-butylbenzene
Concen: 4.675 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	0.0	115.2
134	22.9	0.0	45.8

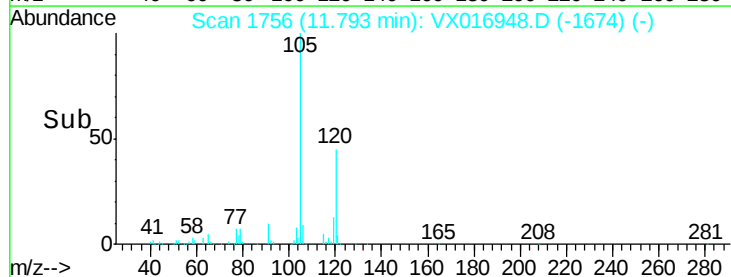
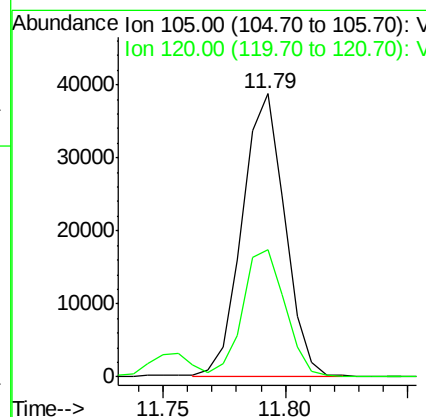
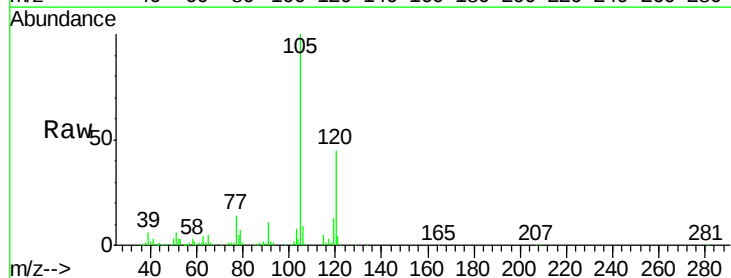
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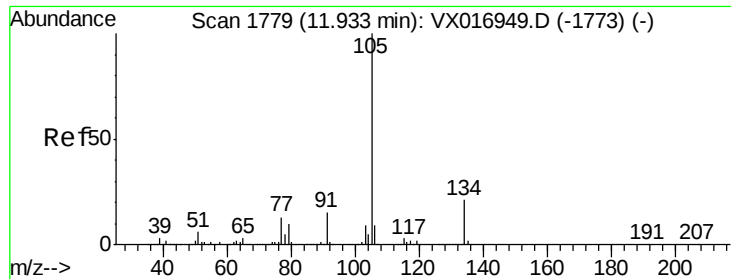
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 4.779 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	0.0	89.8





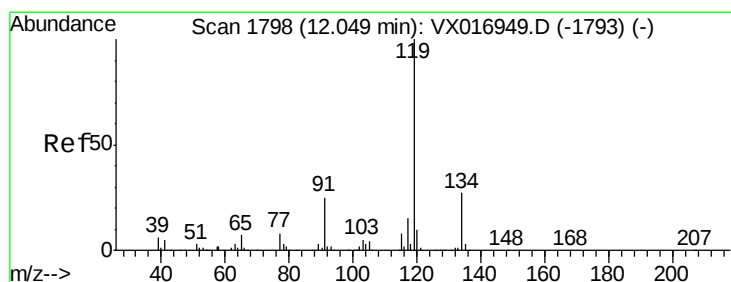
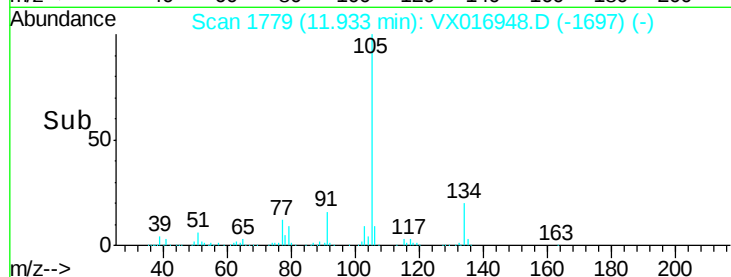
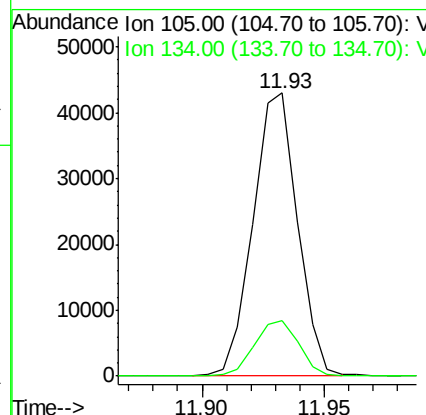
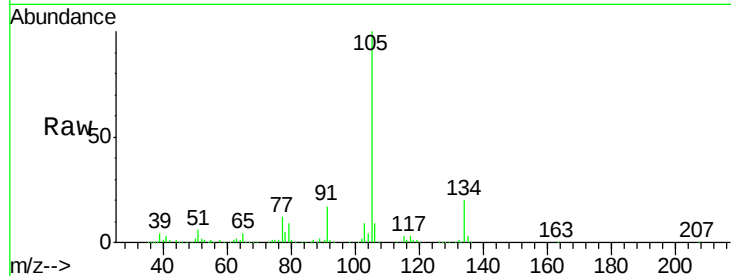
#81
 sec-Butylbenzene
 Concen: 4.785 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	54505		
134	19.6	0.0	41.2	

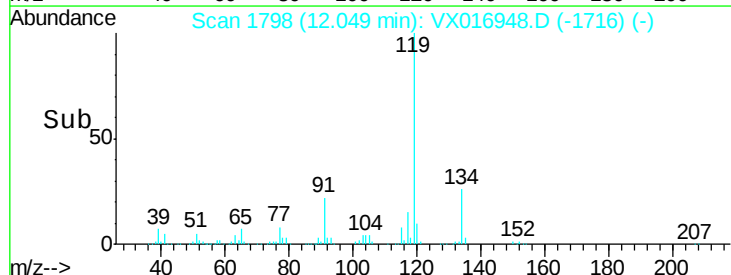
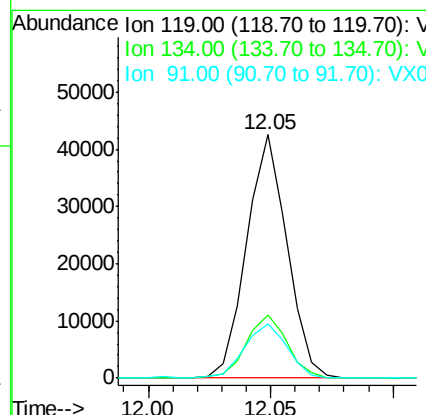
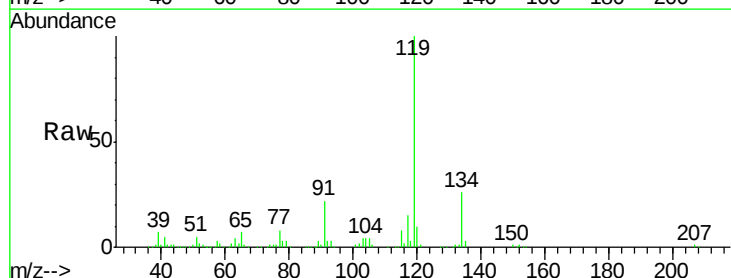
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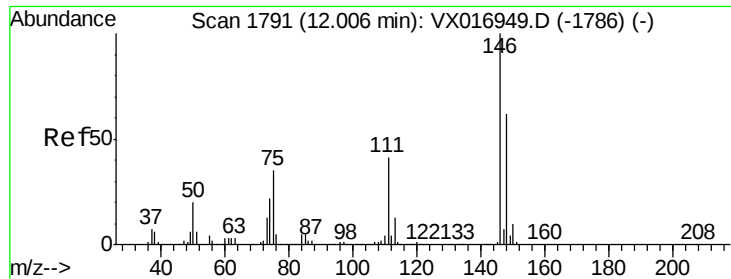
MMDadoda
 6/26/2020 3:33:40 PM



#82
 p-Isopropyltoluene
 Concen: 4.757 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	48926		
134	26.2	0.0	53.0	
91	23.6	0.0	49.0	





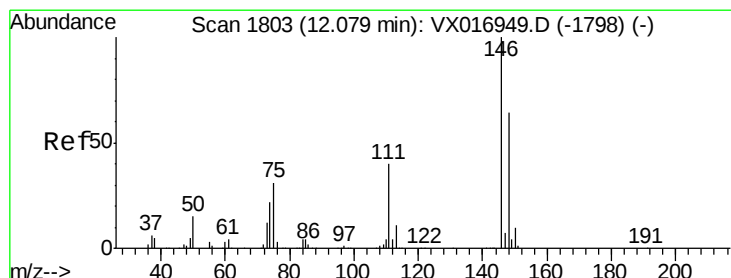
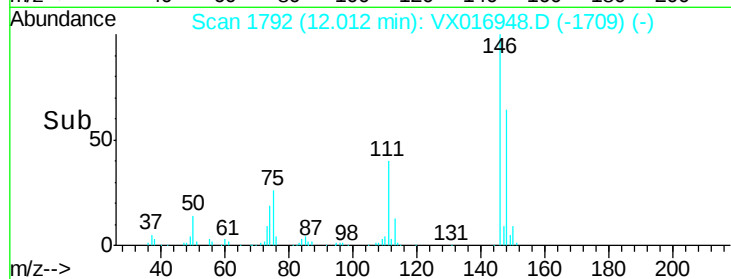
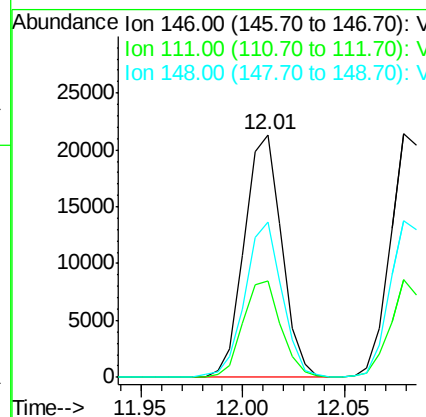
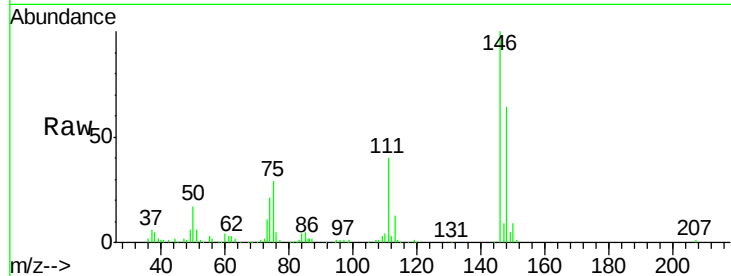
#83
 1,3-Dichlorobenzene
 Concen: 5.140 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.5	58.5
148	63.6	31.8	95.4

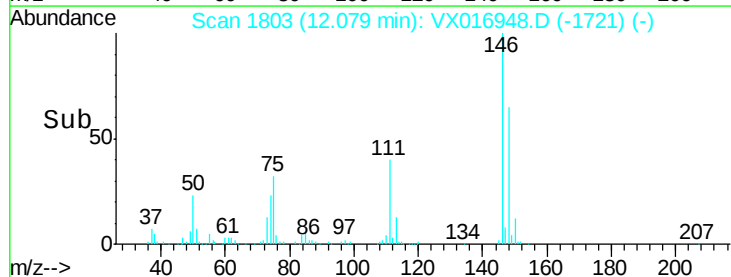
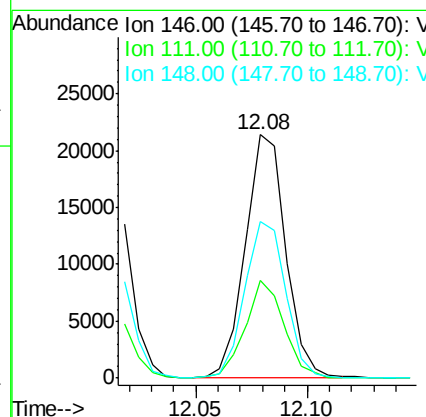
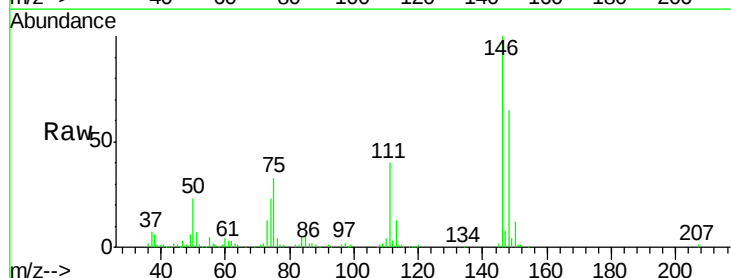
Manual Integrations
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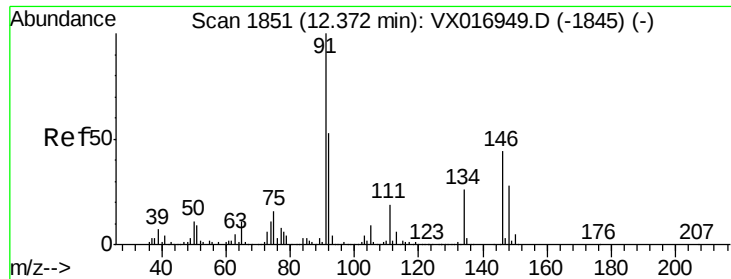
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 6/26/2020 3:33:40 PM



#84
 1,4-Dichlorobenzene
 Concen: 5.122 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.2
148	65.2	32.1	96.3





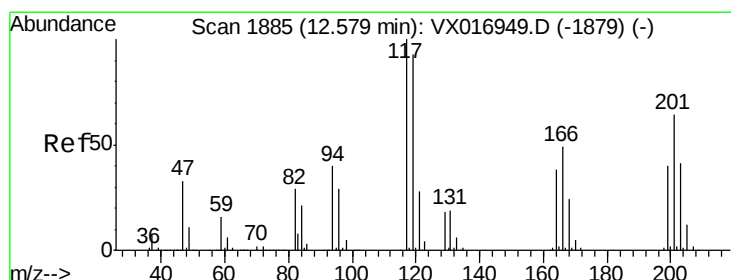
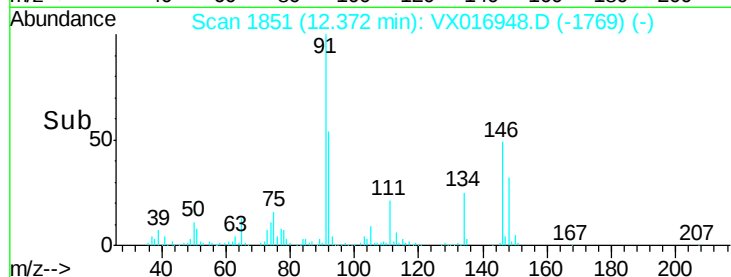
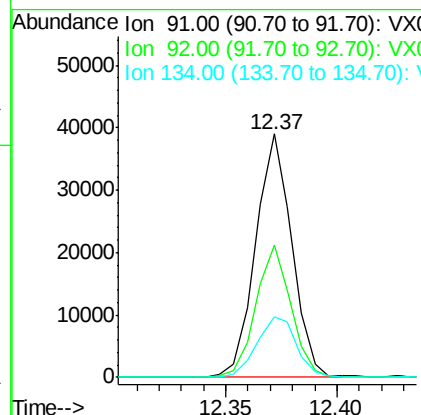
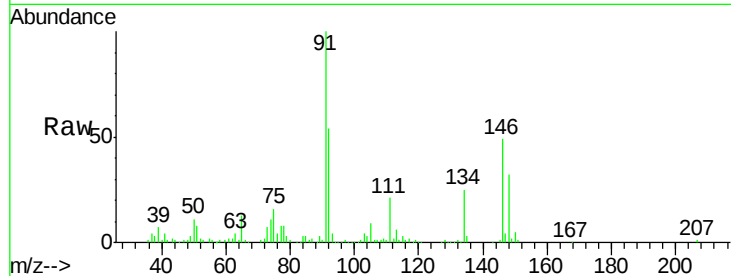
#85
n-Butylbenzene
Concen: 4.654 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	0.0	105.8
134	26.9	0.0	52.2

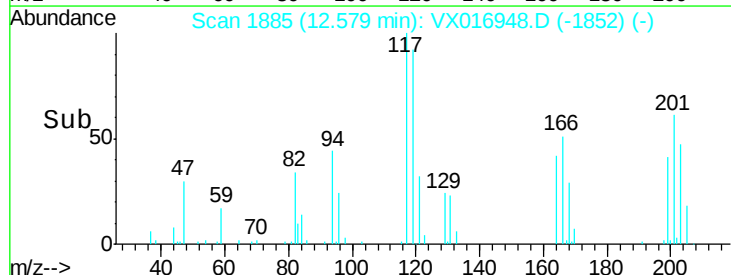
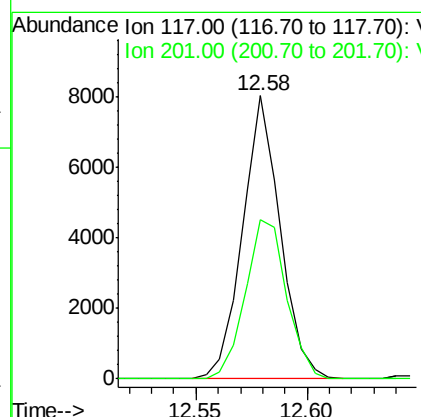
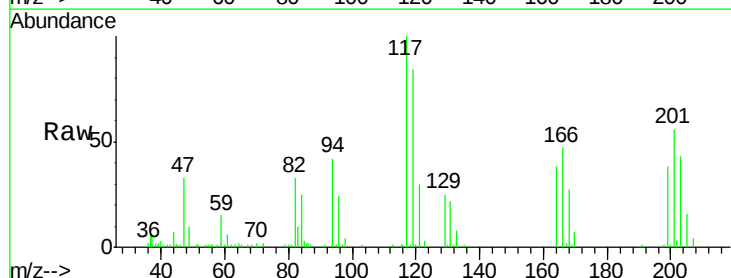
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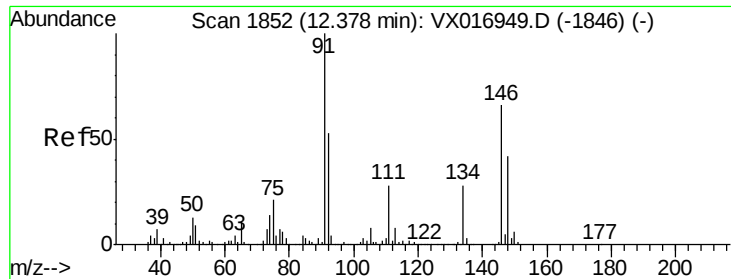
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#86
Hexachloroethane
Concen: 4.705 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.7	34.6	103.9





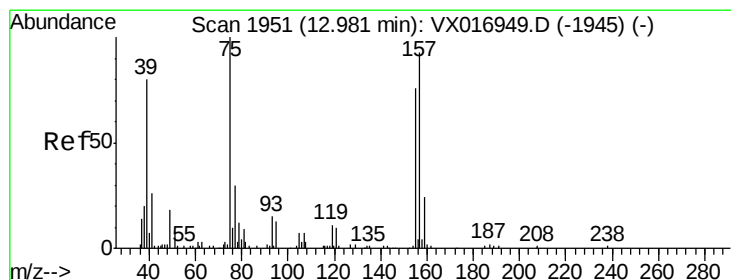
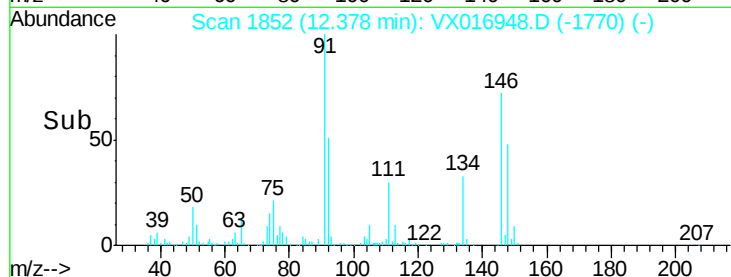
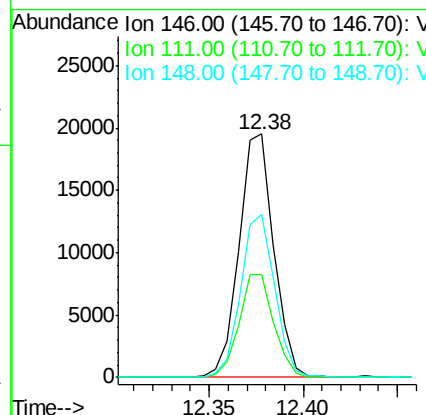
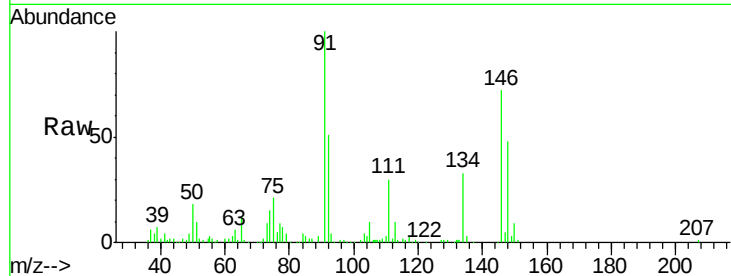
#87
 1,2-Dichlorobenzene
 Concen: 5.035 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.1
148	65.4	32.1	96.3

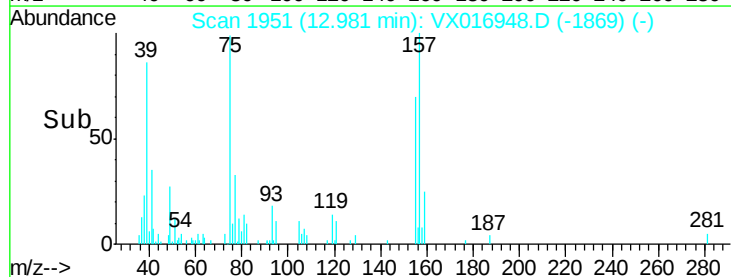
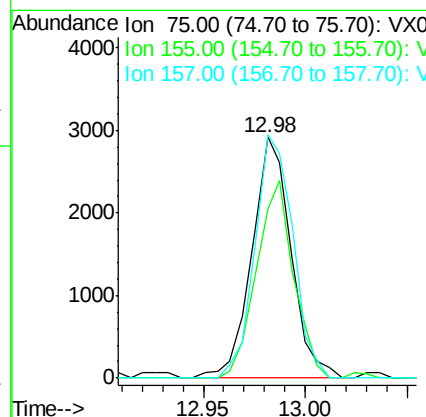
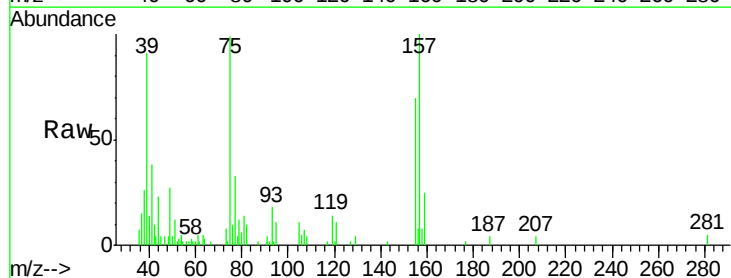
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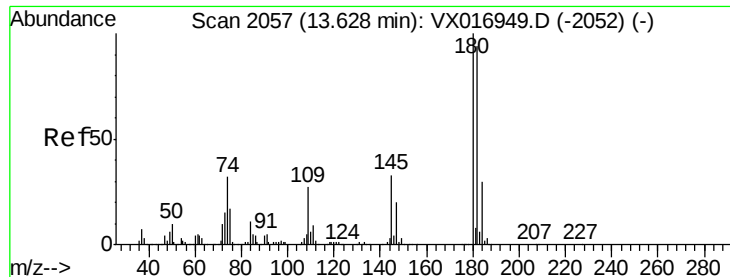
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.763 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.8	65.0	97.6
157	98.5	83.0	124.4





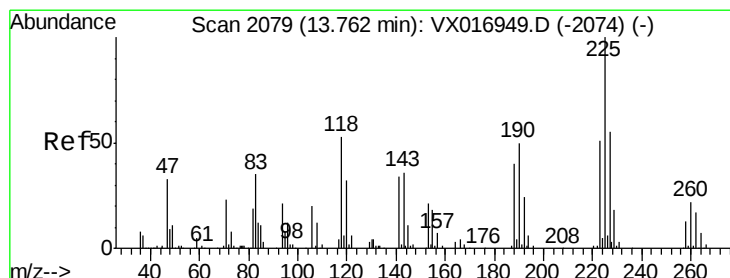
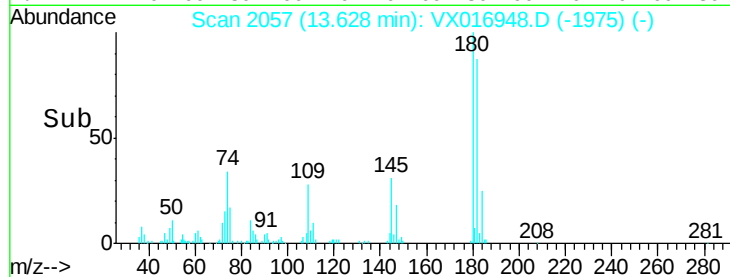
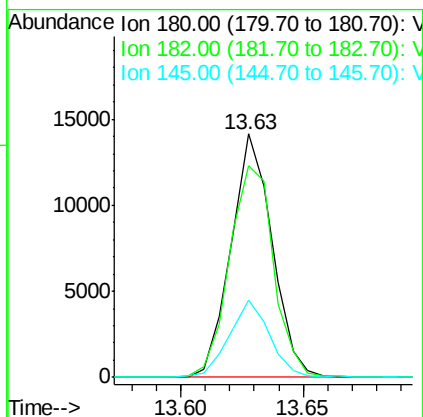
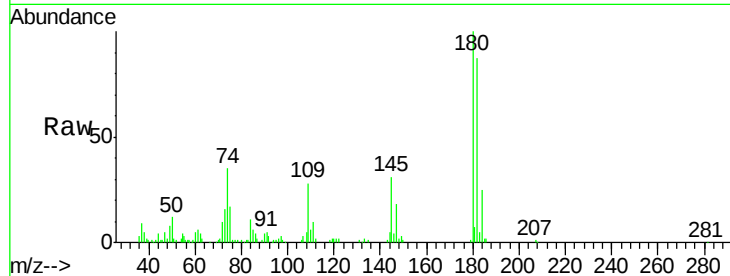
#89
 1,2,4-Trichlorobenzene
 Concen: 4.949 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	16537		
182	93.2		77.7	116.5
145	31.6		26.2	39.2

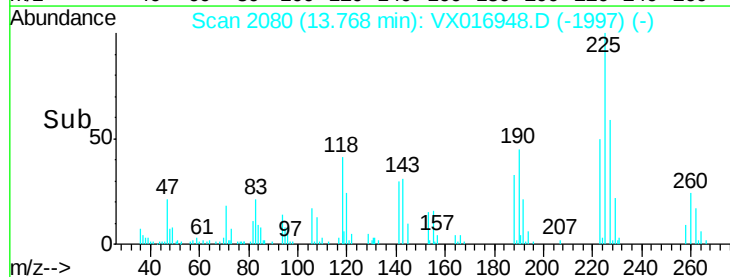
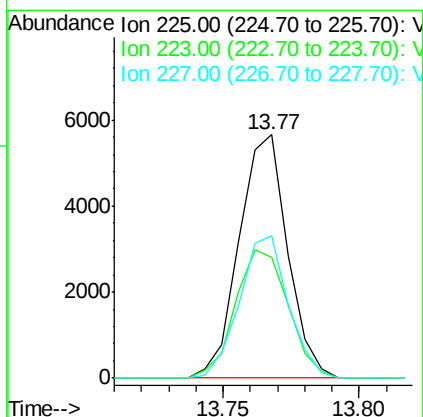
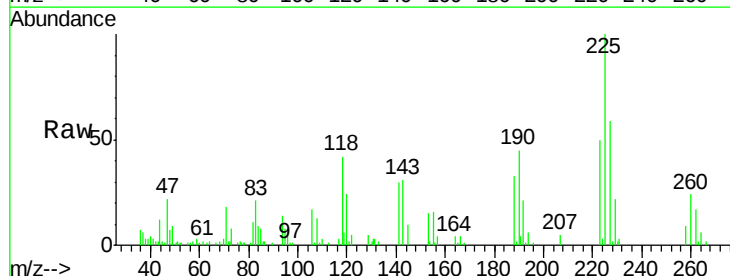
Manual Integrations
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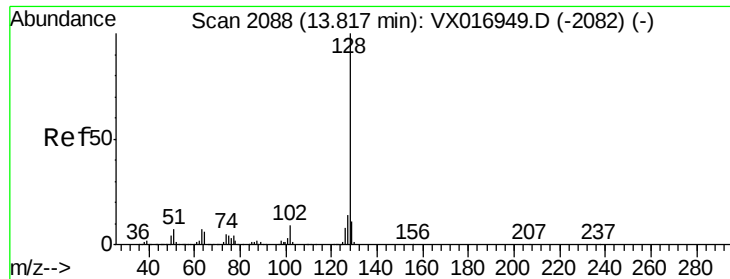
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 5.500 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX016948.D
 Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	6991		
223	57.5		0.0	125.0
227	59.1		0.0	124.0





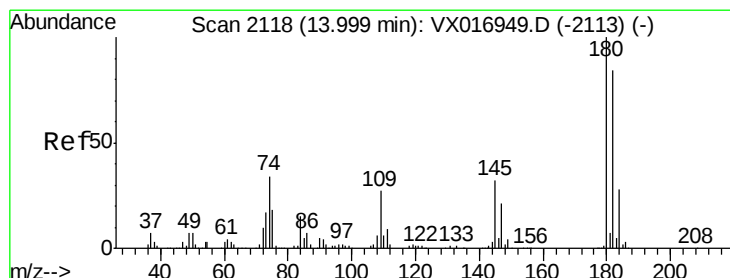
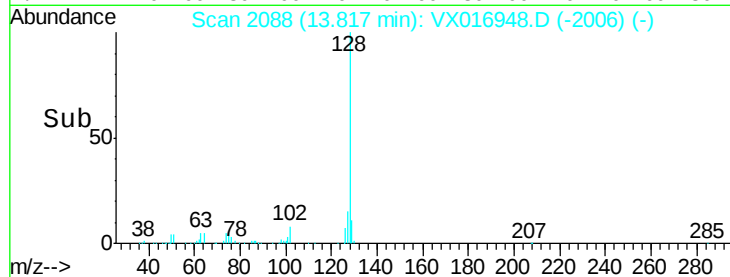
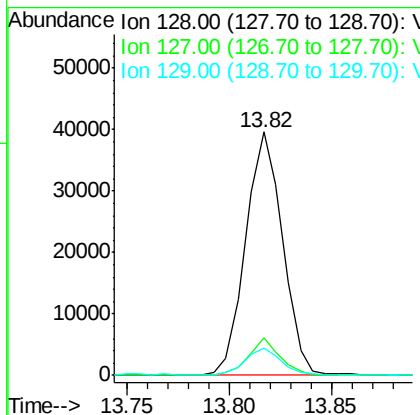
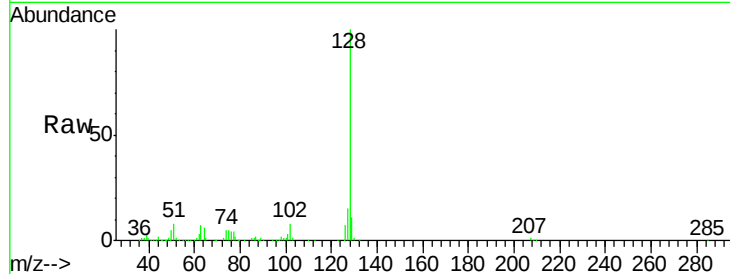
#91
Naphthalene
Concen: 4.554 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
6/26/2020 3:33:40 PM



#92
1,2,3-Trichlorobenzene
Concen: 5.092 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX016948.D
Acq: 25 Jun 2020 12:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.4	0.0	184.8
145	33.2	0.0	68.0

