

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062520\
 Data File : VX016951.D
 Acq On : 25 Jun 2020 13:49
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

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 6/26/2020 3:33:52 PM

Quant Time: Jun 26 09:01:18 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	39822	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	218376	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	203939	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	91774	29.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.70%
60) 4-Bromofluorobenzene	11.12	95	104948	30.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.87%
63) Toluene-d8	8.70	98	267581	29.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	191629	98.959	ug/l 98
3) Chloromethane	1.31	50	261607	99.621	ug/l 100
4) Vinyl Chloride	1.39	62	267406	99.854	ug/l 96
5) Bromomethane	1.62	94	167181	86.702	ug/l 98
6) Chloroethane	1.70	64	172008	99.590	ug/l 99
7) Trichlorofluoromethane	1.91	101	435548	100.006	ug/l 100
8) Diethyl Ether	2.17	74	159107	100.401	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	226875	98.153	ug/l 97
10) 1,1-Dichloroethene	2.36	96	228757	100.345	ug/l 94
11) Methyl Iodide	2.49	142	344108	113.048	ug/l 99
12) Methyl Acetate	2.75	43	292629	101.762	ug/l 97
13) Acrolein	2.27	56	235856	519.792	ug/l 100
14) Acrylonitrile	3.12	53	691532	507.743	ug/l 99
15) Acetone	2.42	58	177139	502.575	ug/l 99
16) Carbon Disulfide	2.55	76	710372	99.123	ug/l 98
17) Allyl chloride	2.70	41	438726	102.803	ug/l 97
18) Methylene Chloride	2.84	84	266951	97.221	ug/l 94
19) trans-1,2-Dichloroethene	3.14	96	259518	100.472	ug/l 94
20) Diisopropyl ether	3.82	45	884650	103.725	ug/l 96
21) 1,1-Dichloroethane	3.67	63	479579	101.976	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	293957	102.218	ug/l 99
23) tert-Butyl Alcohol	3.02	59	307244	1924.528	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	843079	103.572	ug/l 99
25) Chloroform	5.18	83	482390	101.169	ug/l 99
26) Cyclohexane	5.55	56	419648	102.293	ug/l # 98
29) 1,1-Dichloropropene	5.77	75	361704	101.675	ug/l 99
30) 2-Butanone	4.64	43	961889	518.739	ug/l 100
31) 2,2-Dichloropropane	4.55	77	412916	101.208	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	437134	101.551	ug/l 99
33) Carbon Tetrachloride	5.76	117	391869	102.652	ug/l 99
34) Benzene	6.11	78	1055294	101.878	ug/l 98
35) Methacrylonitrile	5.01	41	212770	103.972	ug/l 98
36) 1,2-Dichloroethane	6.16	62	401191	101.128	ug/l 98
37) Trichloroethene	7.18	130	286797	101.467	ug/l 92
38) Methylcyclohexane	7.44	83	419436	103.532	ug/l 99
39) 1,2-Dichloropropane	7.49	63	275156	101.961	ug/l 95
40) Dibromomethane	7.63	93	188624	101.415	ug/l 99

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 ClientSampleId :
 VSTDICC100

Manual Integrations
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Quant Time: Jun 26 09:01:18 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	7.88	83	399118	103.630	ug/l	94
42) Vinyl Acetate	3.79	43	3944984	527.942	ug/l	100
43) Ethyl Acetate	4.79	43	391524	102.194	ug/l	100
44) Isopropyl Acetate	6.42	43	661898	104.548	ug/l	100
45) 1,4-Dioxane	7.71	88	134073	2099.148	ug/l	97
46) Methyl methacrylate	7.74	41	319258	108.968	ug/l	98
47) n-amyl Acetate	10.88	43	620442	110.871	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	454134	106.644	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	465207	103.949	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	265413	102.250	ug/l	97
51) Ethyl methacrylate	9.16	69	430419	108.048	ug/l	97
52) 1,3-Dichloropropane	9.35	76	457309	102.617	ug/l	98
53) Dibromochloromethane	9.57	129	312866	104.867	ug/l	100
54) 1,2-Dibromoethane	9.65	107	284089	103.141	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	1105364	527.293	ug/l	100
56) Bromoform	10.84	173	229948	108.577	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	1951352	519.445	ug/l	99
59) 2-Hexanone	9.48	43	1501038	535.395	ug/l	99
61) Tetrachloroethene	9.32	164	258698	99.467	ug/l	95
62) Toluene	8.77	91	1135161	101.767	ug/l	100
64) Chlorobenzene	10.12	112	712022	101.889	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	274982	104.525	ug/l	99
66) Ethyl Benzene	10.24	91	1286171	103.977	ug/l	100
67) m/p-Xylenes	10.34	106	968932	207.645	ug/l	100
68) o-Xylene	10.68	106	468427	104.504	ug/l	99
69) Styrene	10.70	104	828828	107.992	ug/l	99
70) Isopropylbenzene	11.00	105	1261731	103.783	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	387021	103.655	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	367853m	102.592	ug/l	
73) Bromobenzene	11.24	156	323979	105.590	ug/l	98
74) n-propylbenzene	11.35	91	1530549	106.030	ug/l	99
75) 2-Chlorotoluene	11.40	91	888233	105.522	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	1090588	106.870	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	156049	107.391	ug/l	98
78) 4-Chlorotoluene	11.49	91	1052848	105.639	ug/l	99
79) tert-butylbenzene	11.76	119	1042151	106.605	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	1086232	106.027	ug/l	99
81) sec-Butylbenzene	11.93	105	1259854	106.443	ug/l	98
82) p-Isopropyltoluene	12.05	119	1136706	106.364	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	562300	102.265	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	560818	101.514	ug/l	99
85) n-Butylbenzene	12.37	91	1053026	106.453	ug/l	99
86) Hexachloroethane	12.58	117	221167	105.749	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	533476	103.658	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	90885	106.989	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	366336	105.506	ug/l	98
90) Hexachlorobutadiene	13.77	225	132654	100.431	ug/l	99
91) Naphthalene	13.82	128	1225566	107.684	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	351941	103.865	ug/l	98

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MSVOA_X
ClientSampleId :
VSTDICC100

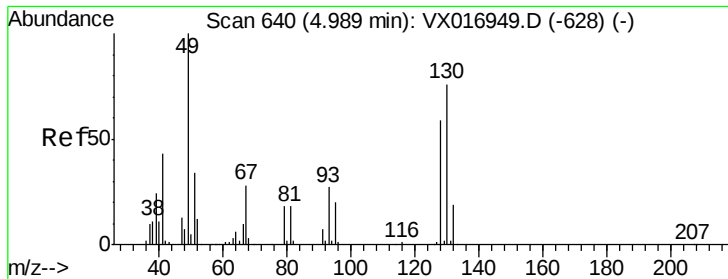
Manual Integrations
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Quant Time: Jun 26 09:01:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jun 26 08:49:19 2020
Response via : Initial Calibration

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



#1

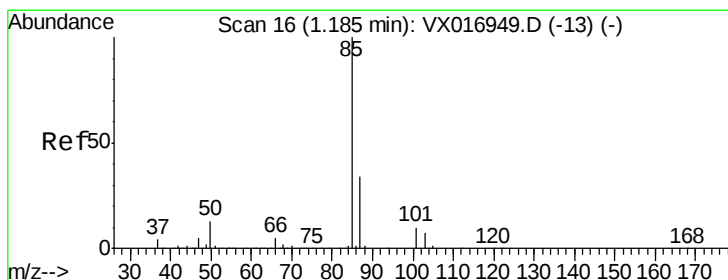
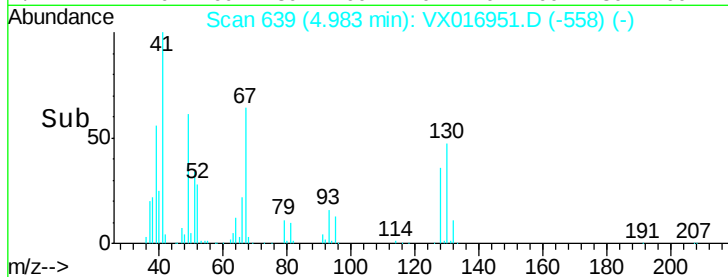
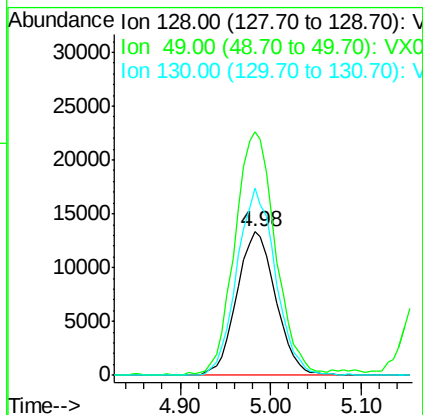
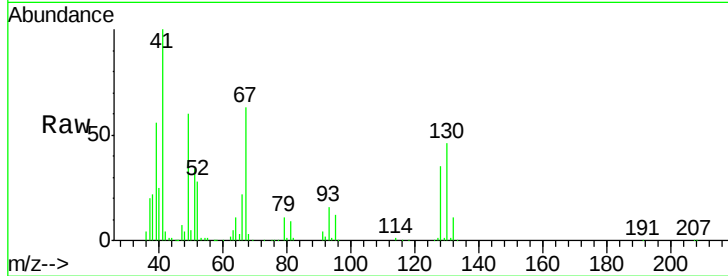
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: VX016951.D
 Acq: 25 Jun 2020 13:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
49	172.5	0.0	428.0
130	129.0	0.0	318.0

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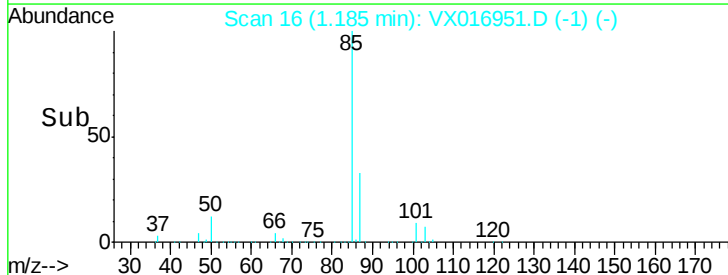
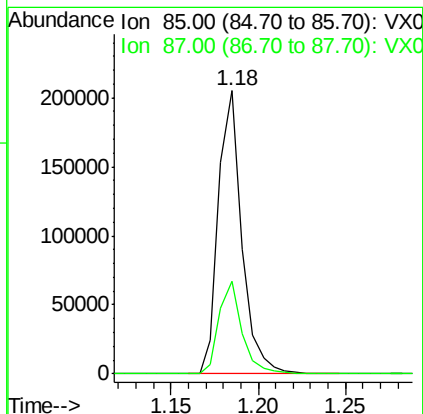
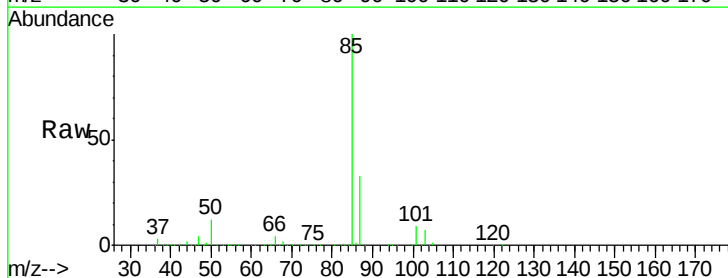
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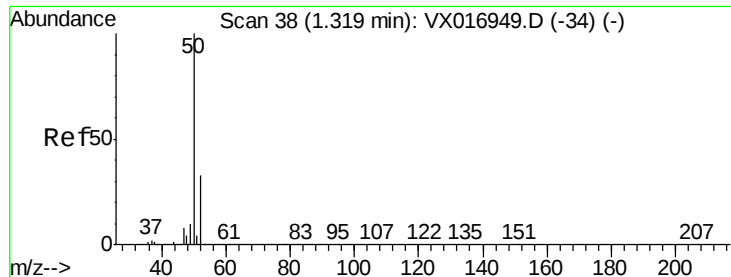


#2

Dichlorodifluoromethane
 Concen: 98.959 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VX016951.D
 Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.9	50.7





#3

Chloromethane

Concen: 99.621 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 261607

Ion Ratio Lower Upper

50 100

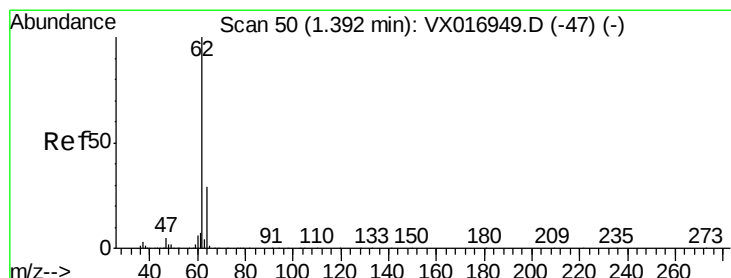
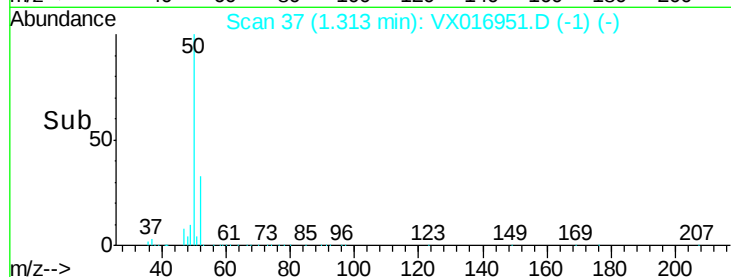
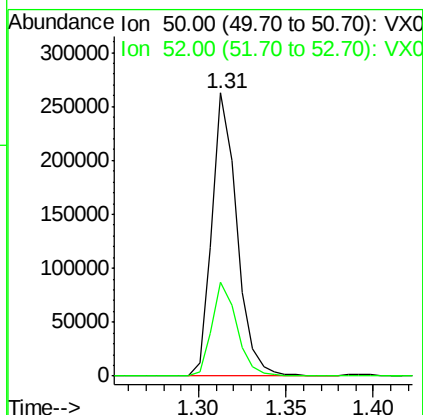
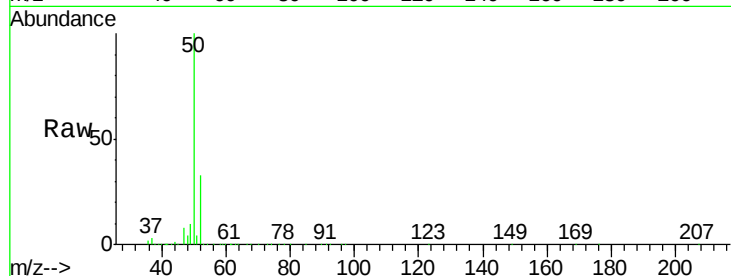
52 33.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 99.854 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016951.D

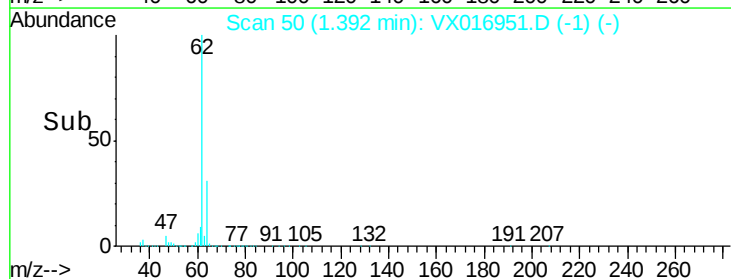
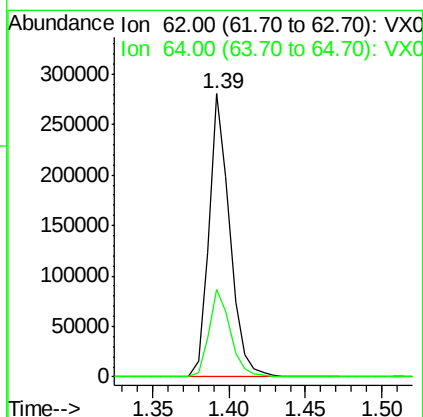
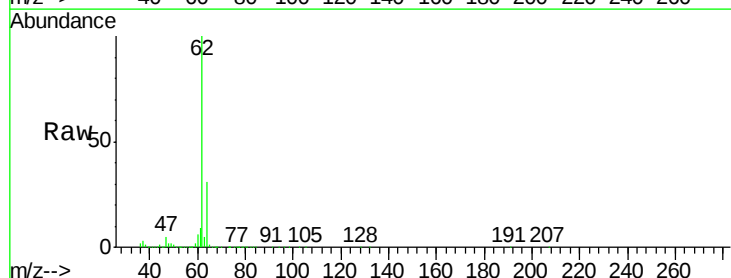
Acq: 25 Jun 2020 13:49

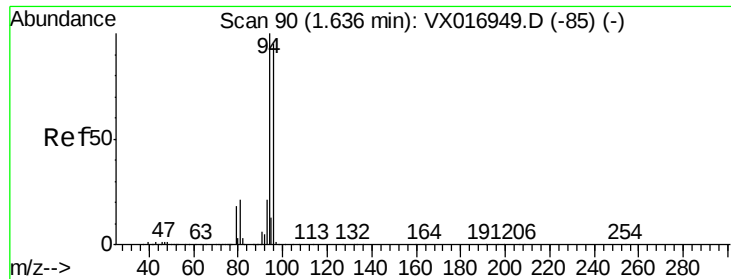
Tgt Ion: 62 Resp: 267406

Ion Ratio Lower Upper

62 100

64 31.1 23.4 35.0





#5

Bromomethane

Concen: 86.702 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 167181

Ion Ratio Lower Upper

94 100

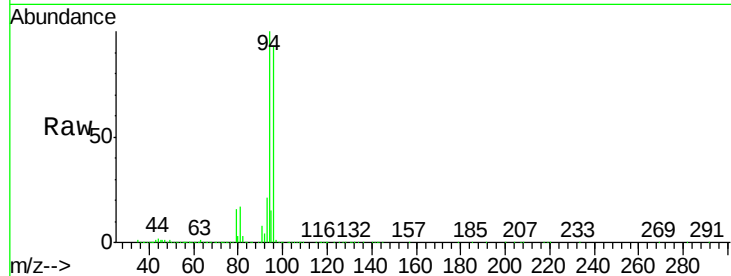
96 92.9 75.5 113.3

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

1.62

150000

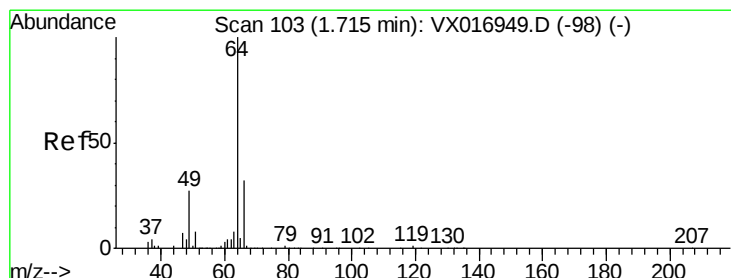
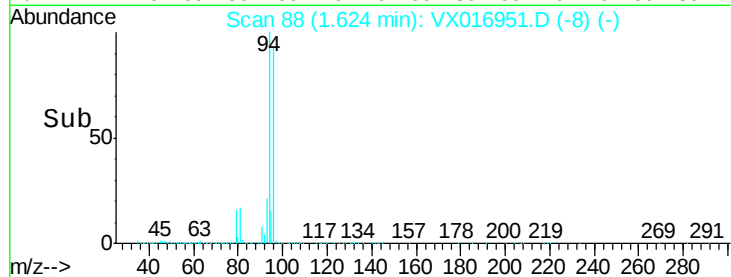
100000

50000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 99.590 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX016951.D

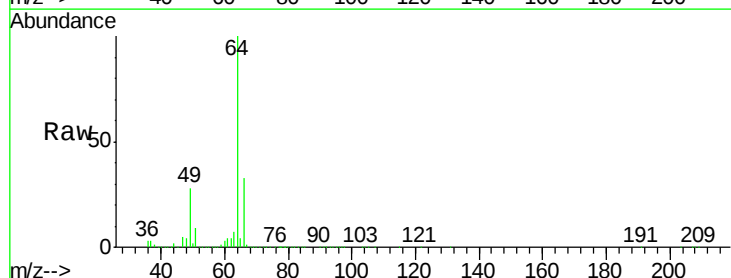
Acq: 25 Jun 2020 13:49

Tgt Ion: 64 Resp: 172008

Ion Ratio Lower Upper

64 100

66 33.2 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.70

150000

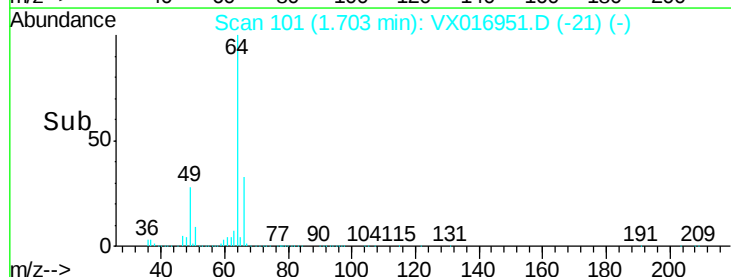
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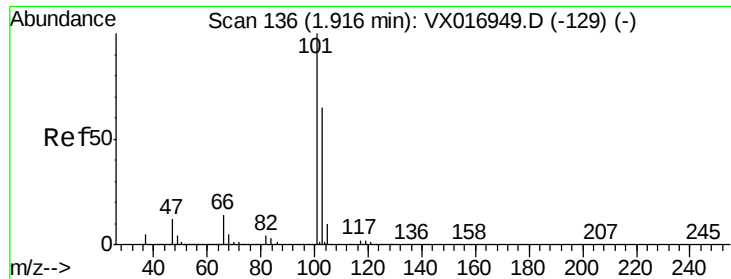
50000

0

1.65 1.70 1.75 1.80

Time-->





#7

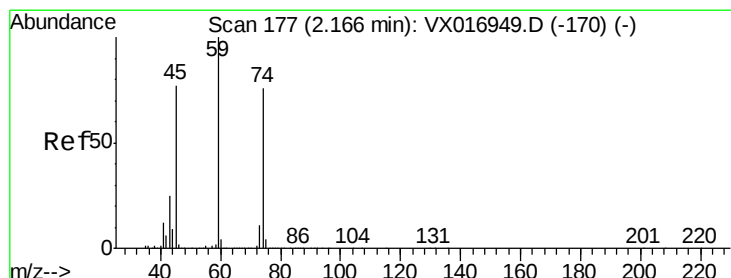
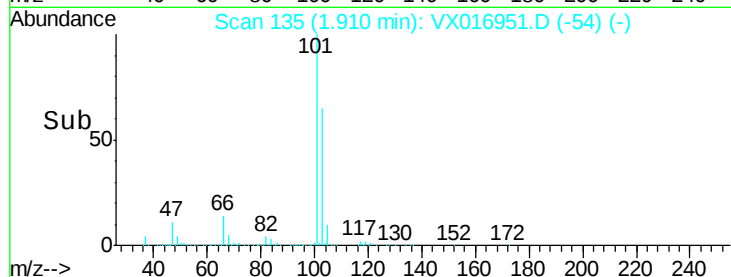
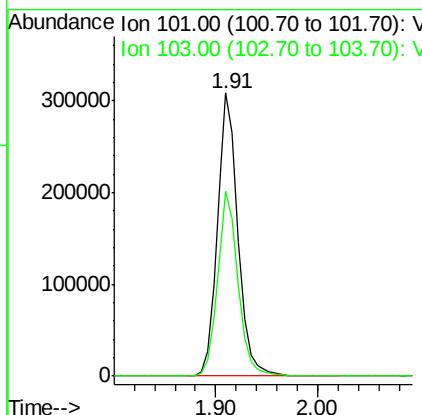
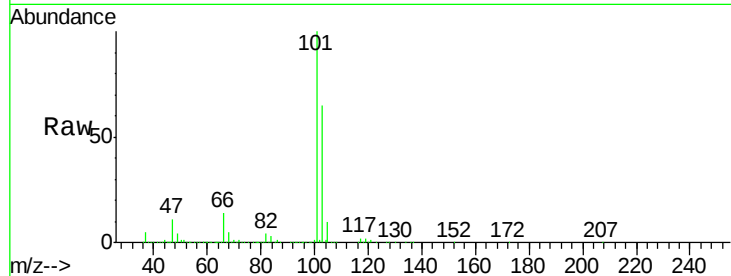
Trichlorofluoromethane
Concen: 100.006 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.1	78.1

Manual Integrations
APPROVED

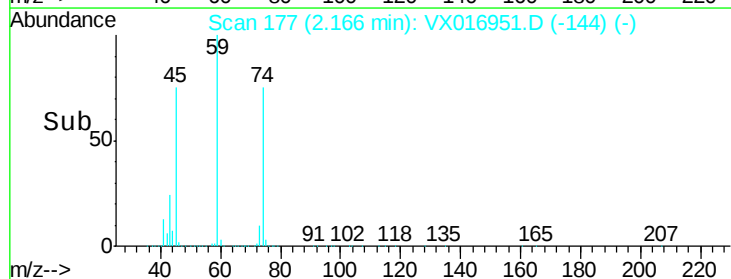
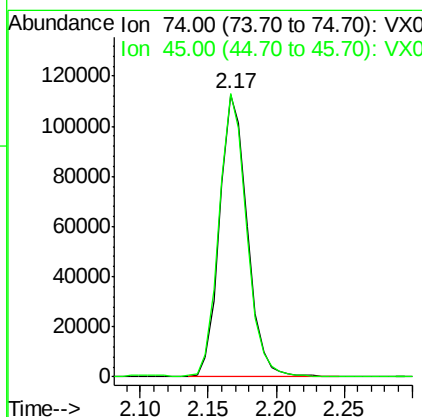
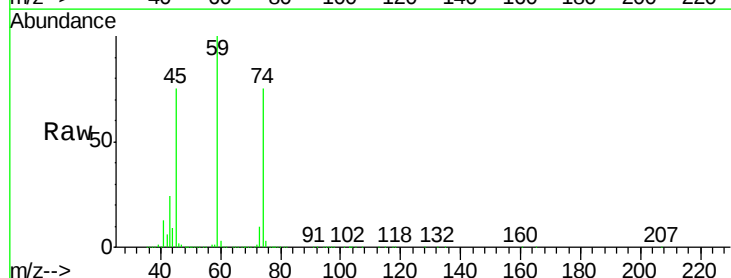
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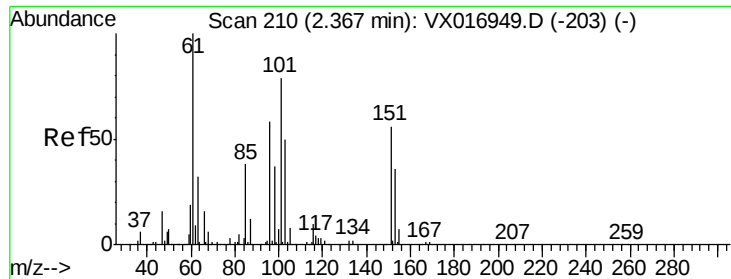


#8

Diethyl Ether
Concen: 100.401 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	19.8	178.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.153 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

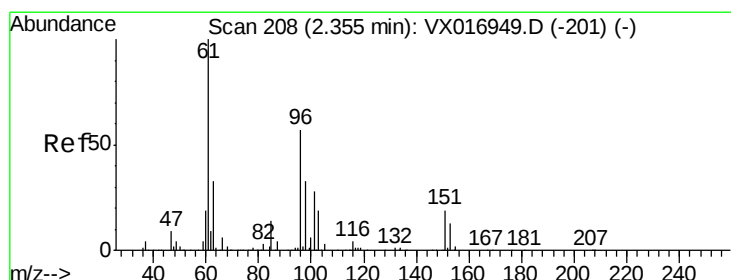
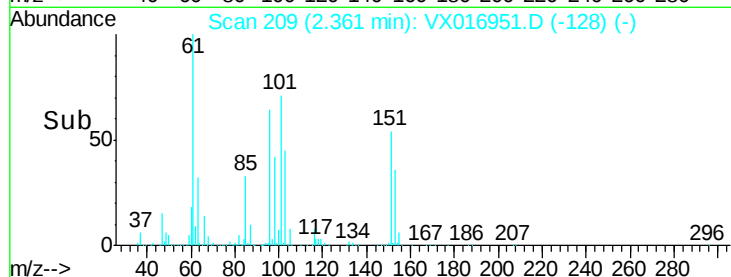
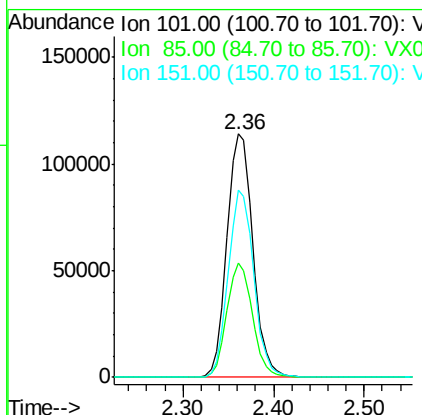
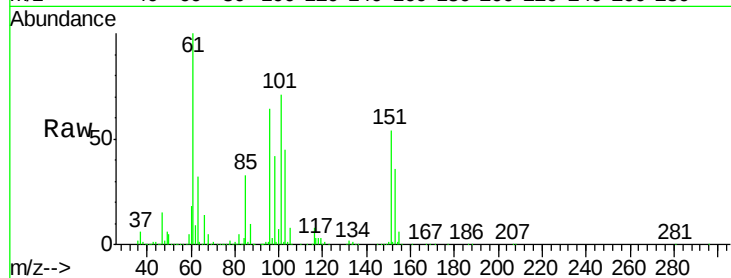
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	226875
Ion Ratio	Lower	Upper	
101	100		
85	46.1	0.0	94.6
151	76.0	0.0	145.8

Manual Integrations
APPROVED

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#10

1,1-Dichloroethene

Concen: 100.345 ug/l

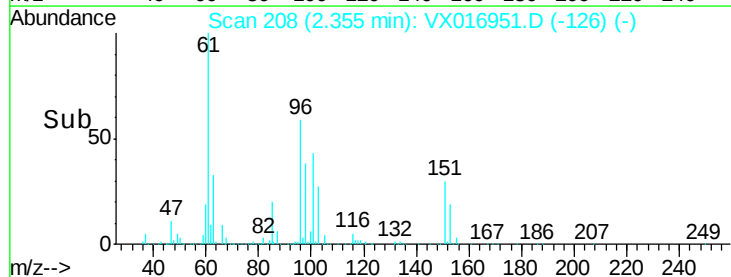
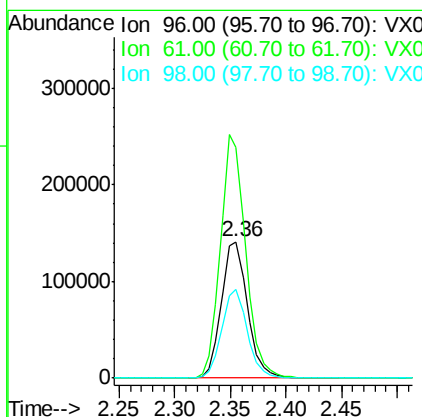
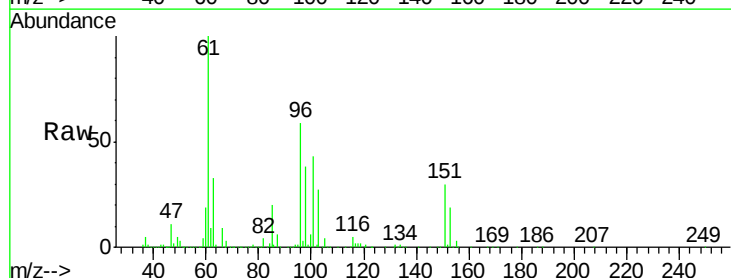
RT: 2.36 min Scan# 208

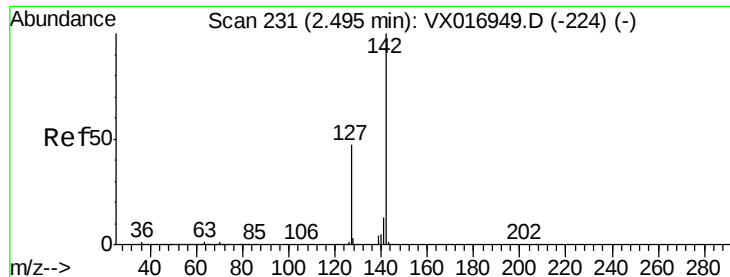
Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Tgt Ion:	96	Resp:	228757
Ion Ratio	Lower	Upper	
96	100		
61	169.5	141.3	211.9
98	65.1	47.0	70.4





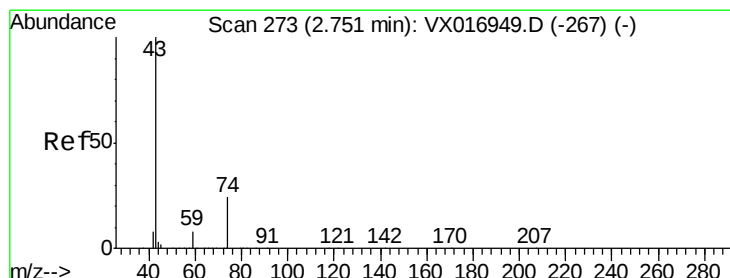
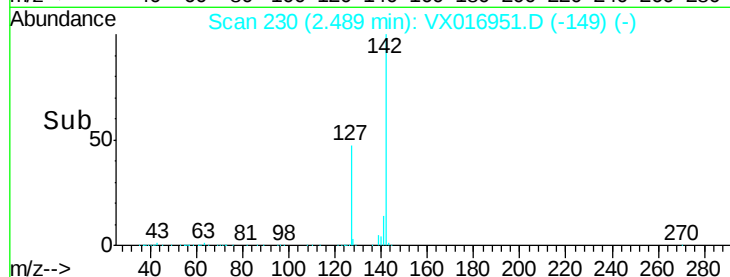
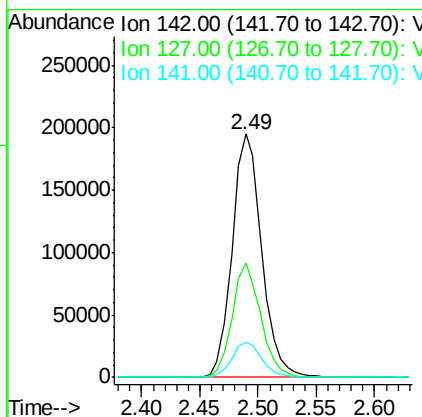
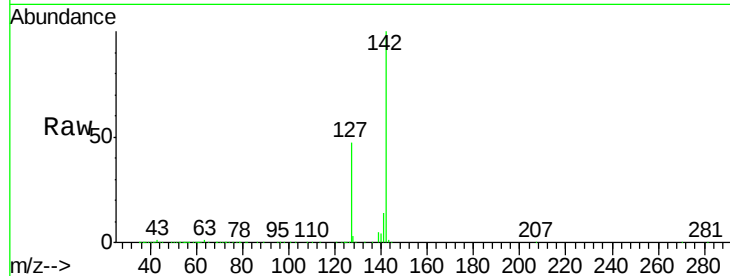
#11
Methvl Iodide
Concen: 113.048 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.2	23.3	69.9
141	14.2	6.7	20.1

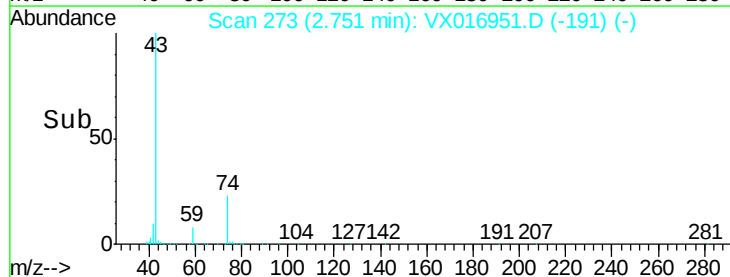
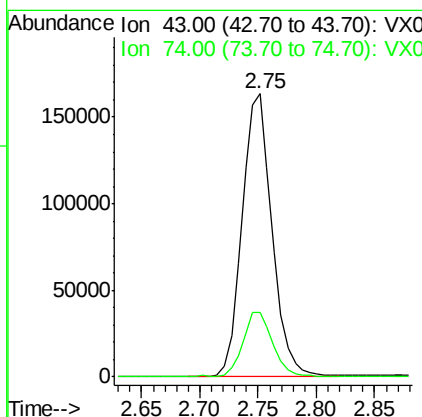
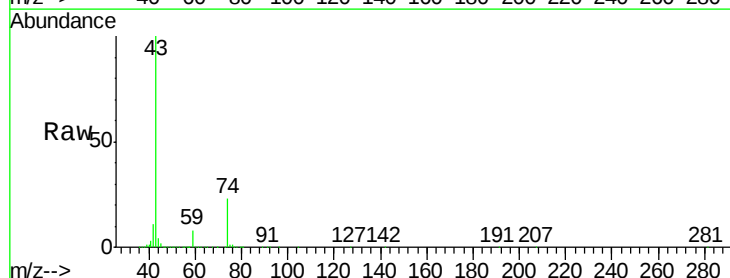
Manual Integrations
APPROVED

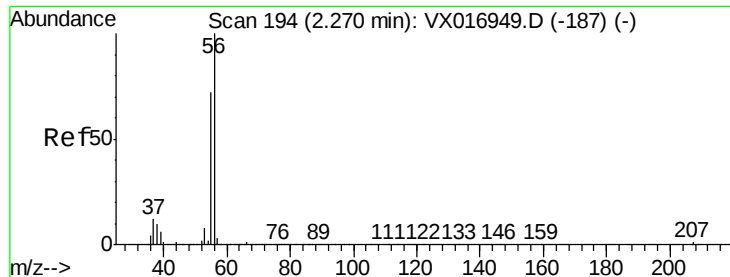
MMDadoda
6/26/2020 3:33:52 PM



#12
Methyl Acetate
Concen: 101.762 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	19.1	28.7





#13

Acrolein

Concen: 519.792 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 235856

Ion Ratio Lower Upper

56 100

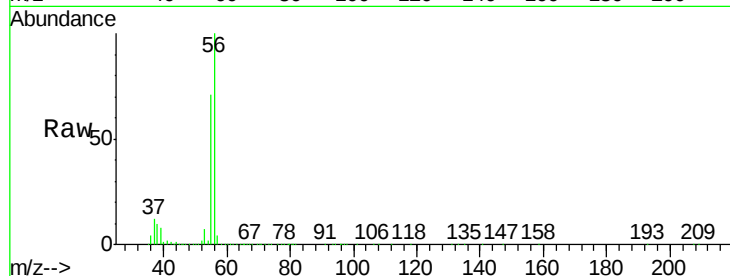
55 70.7 56.2 84.4

Manual Integrations

APPROVED

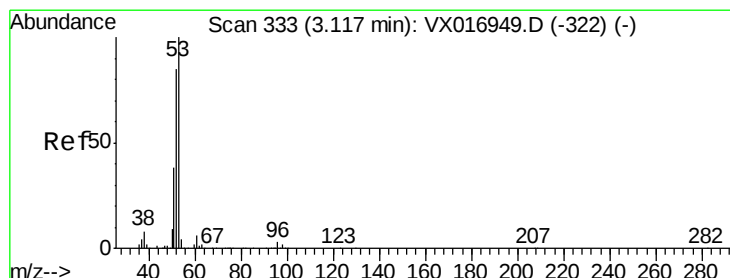
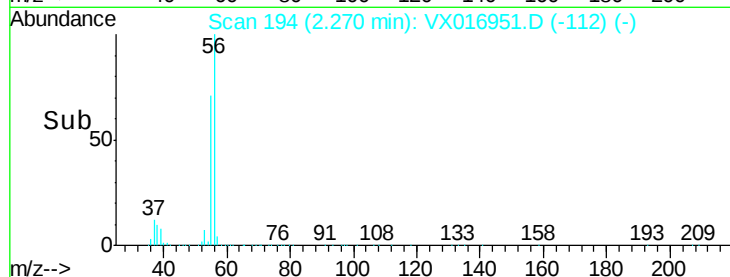
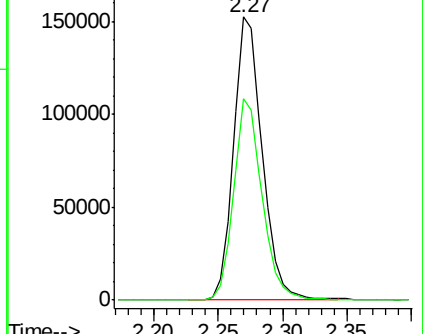
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 507.743 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

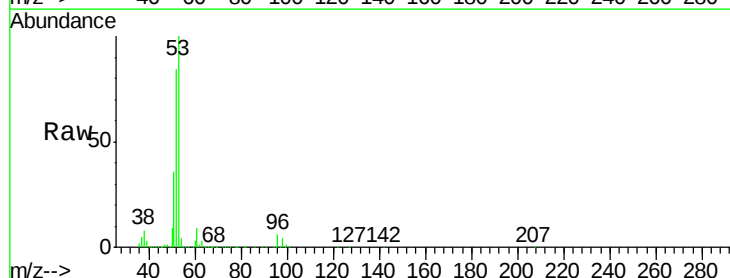
Tgt Ion: 53 Resp: 691532

Ion Ratio Lower Upper

53 100

52 82.7 40.6 121.8

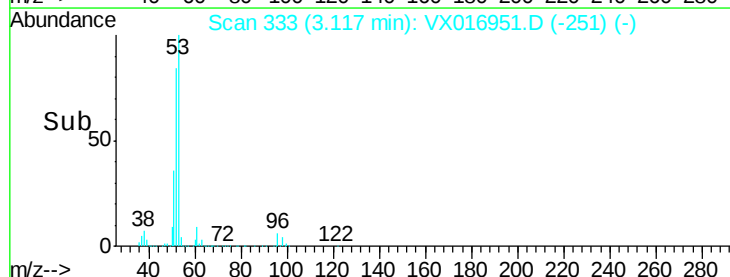
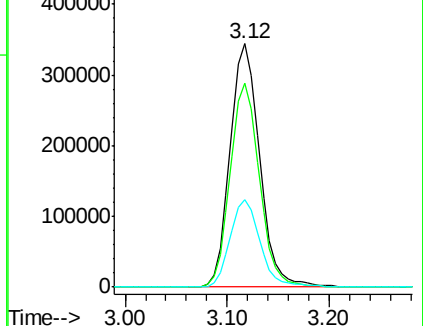
51 36.6 18.4 55.4

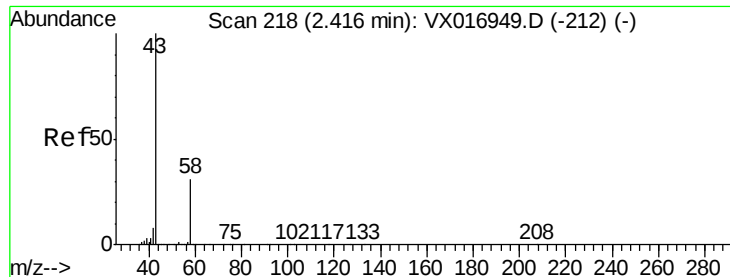


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 502.575 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 177139

Ion Ratio Lower Upper

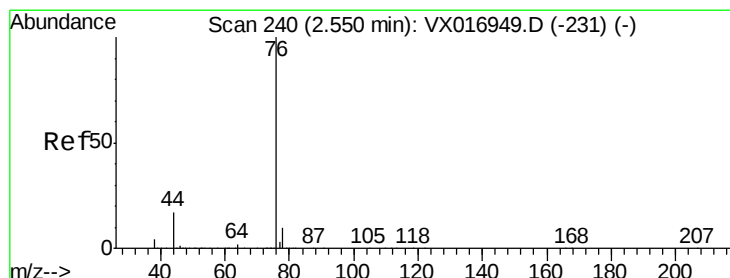
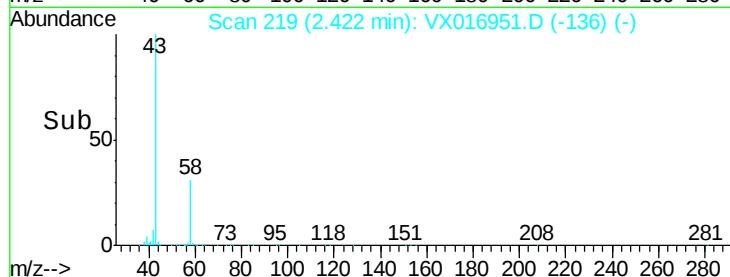
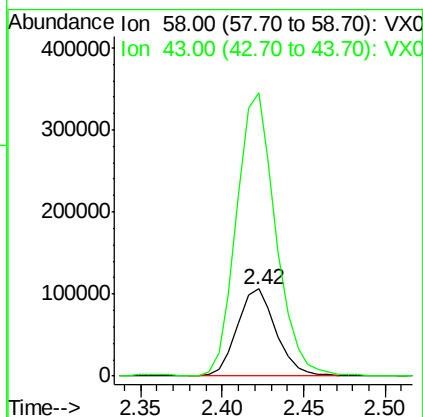
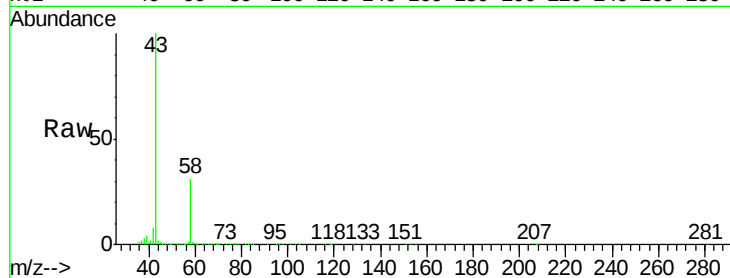
58 100

43 323.6 257.6 386.4

Manual Integrations
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#16

Carbon Disulfide

Concen: 99.123 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016951.D

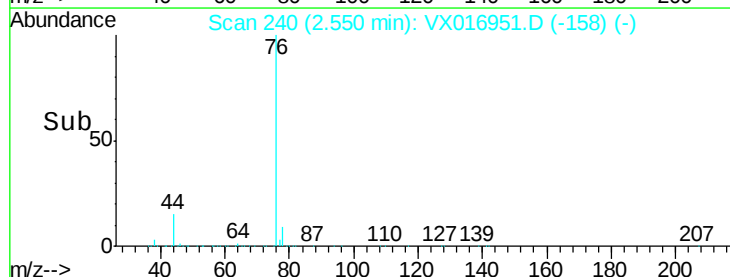
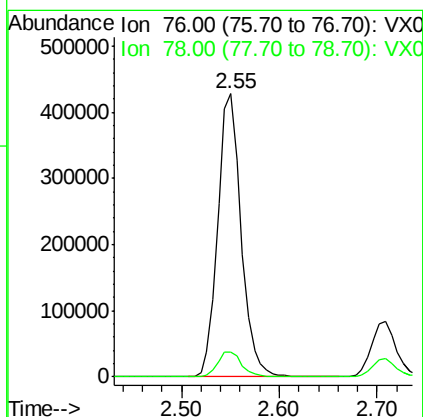
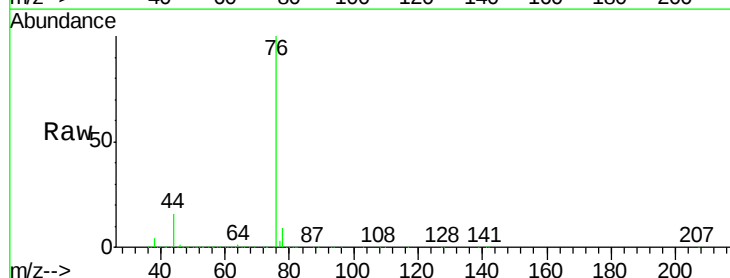
Acq: 25 Jun 2020 13:49

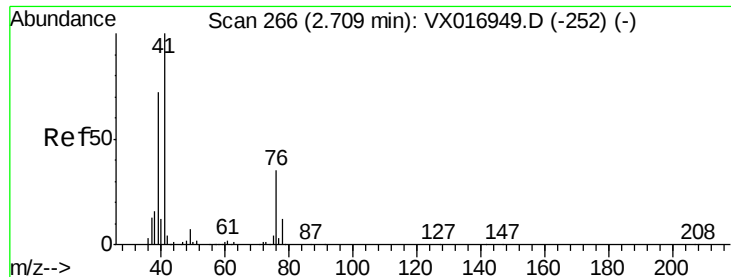
Tgt Ion: 76 Resp: 710372

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4





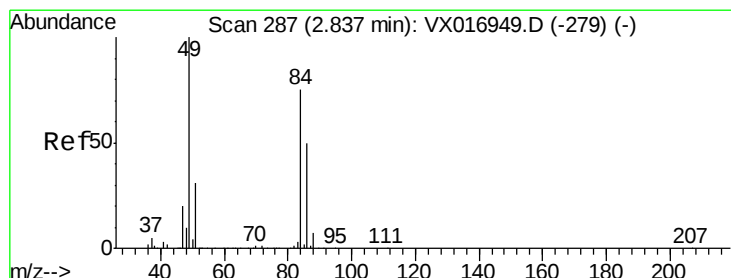
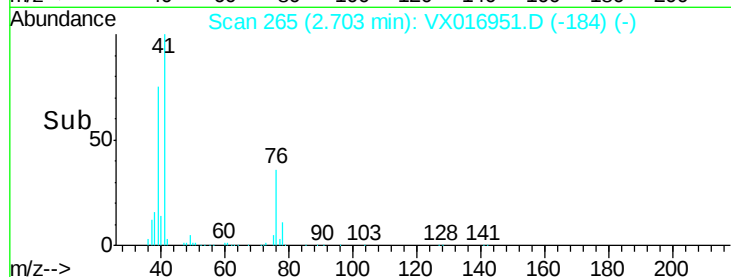
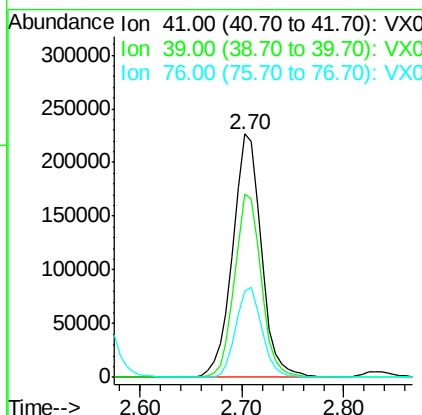
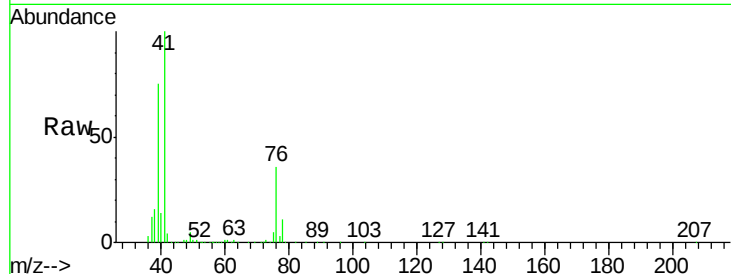
#17
Allvl chloride
Concen: 102.803 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.2	35.9	107.8
76	35.6	17.6	52.8

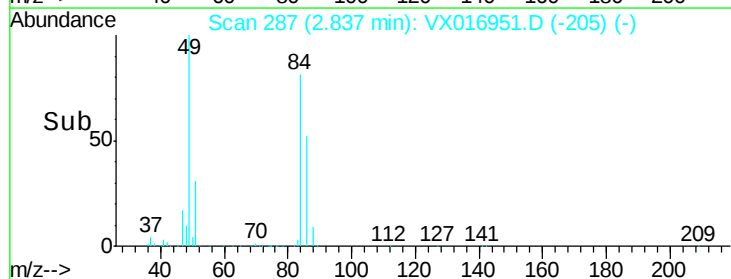
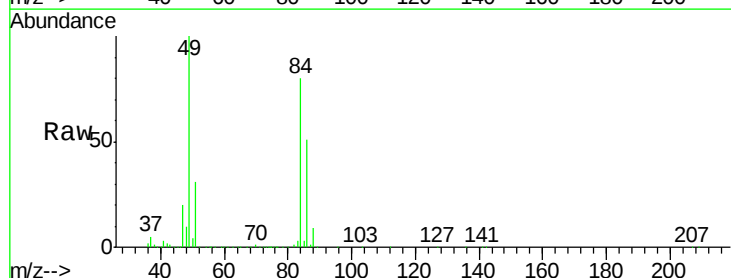
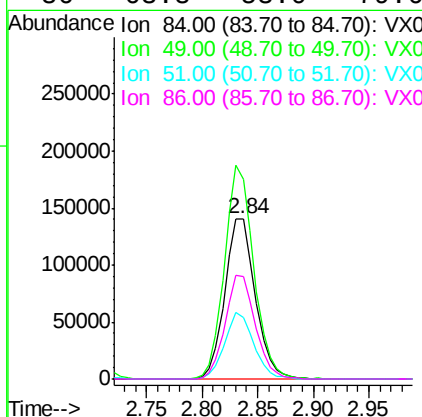
Manual Integrations
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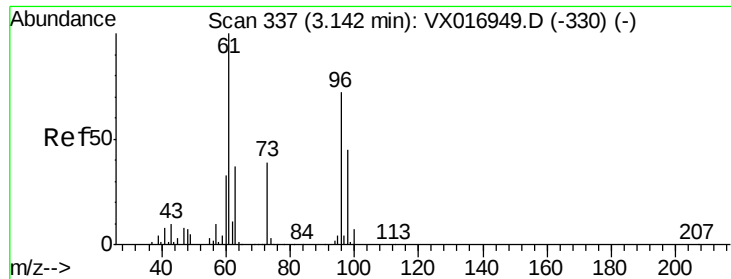
MMDadoda
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#18
Methylene Chloride
Concen: 97.221 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.3	106.6	159.8
51	38.0	32.7	49.1
86	63.8	53.0	79.6





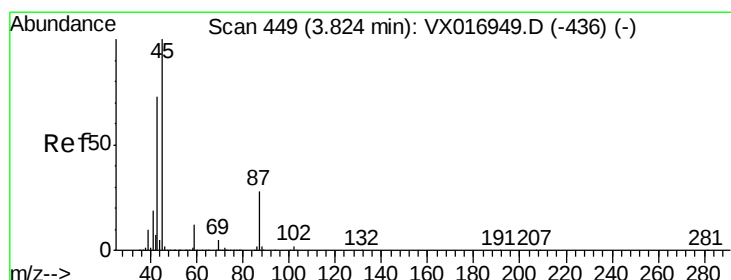
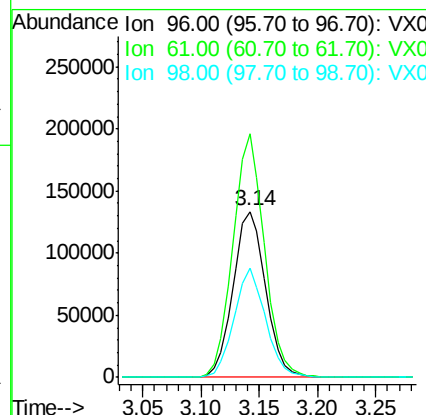
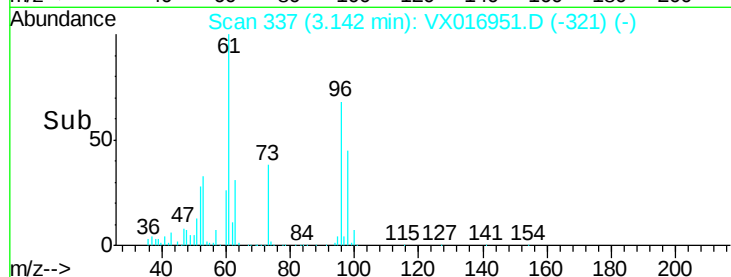
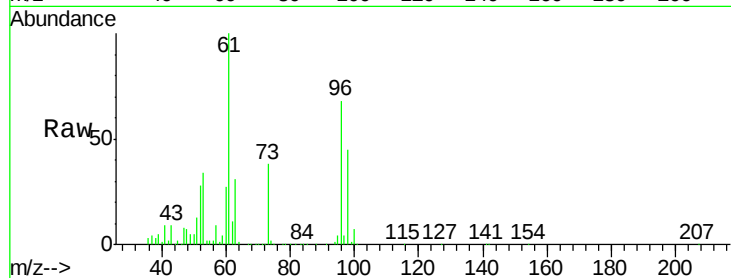
#19
trans-1,2-Dichloroethene
Concen: 100.472 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	110.6	165.8
98	65.8	49.8	74.6

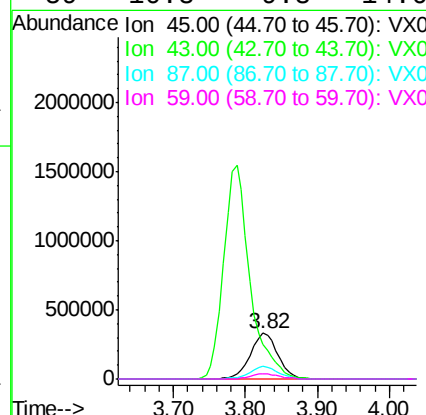
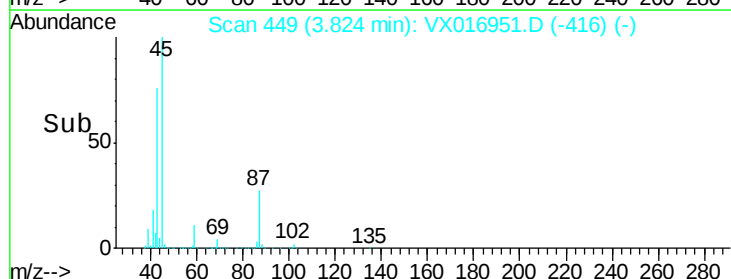
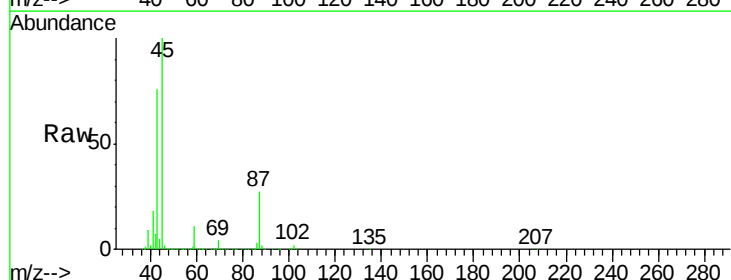
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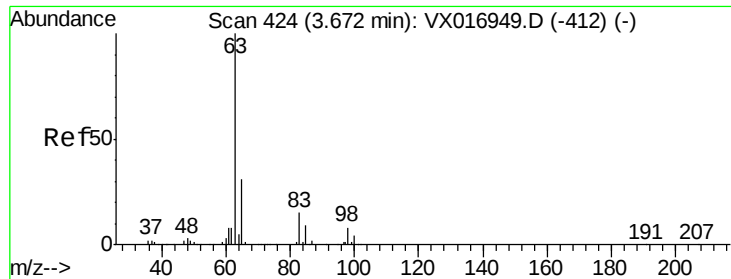
MMDadoda
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#20
Diisopropyl ether
Concen: 103.725 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.2	63.9	95.9
87	26.7	22.2	33.4
59	10.8	9.8	14.6





#21

1,1-Dichloroethane

Concen: 101.976 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

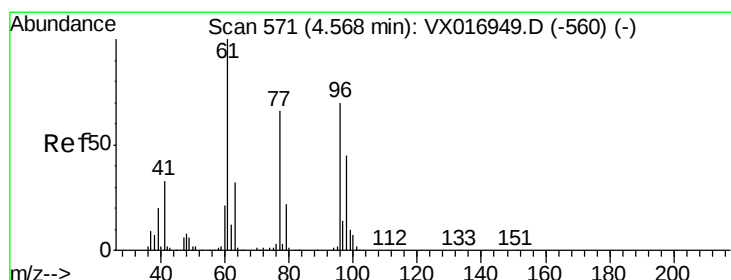
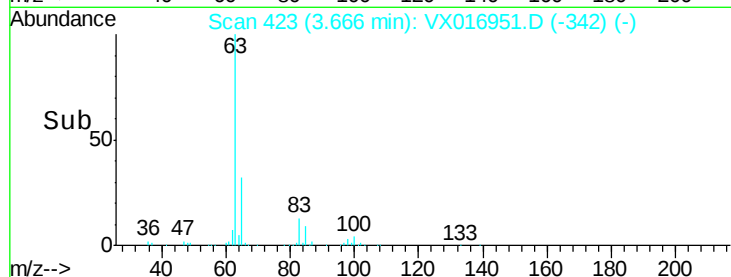
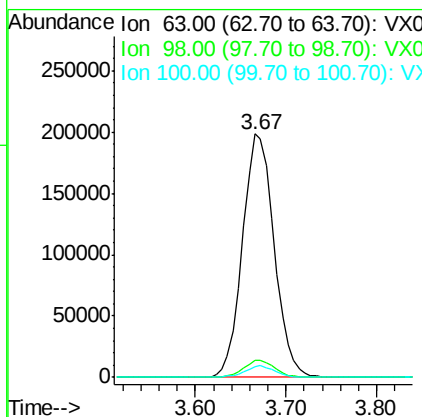
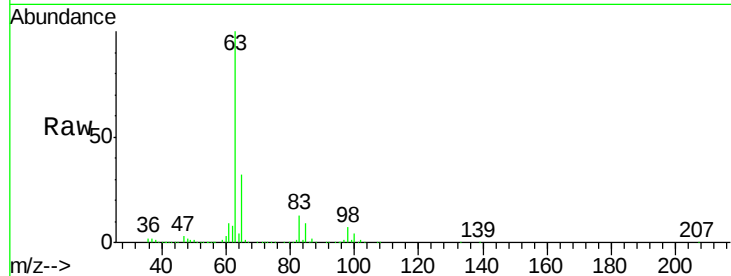
ClientSampleId :

VSTDIC100

Tot Ion:	63	Resp:	479579
Ion Ratio	Lower	Upper	
63	100		
98	7.0	3.8	11.4
100	4.3	2.2	6.6

Manual Integrations
APPROVED

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#22

cis-1,2-Dichloroethene

Concen: 102.218 ug/l

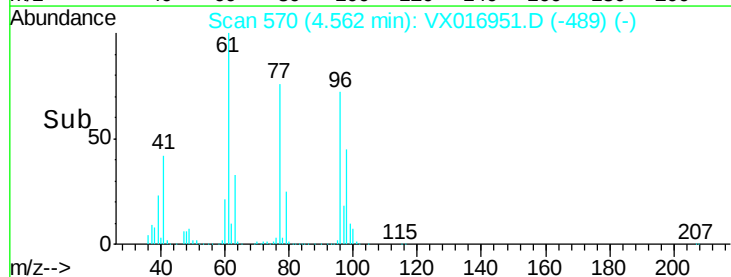
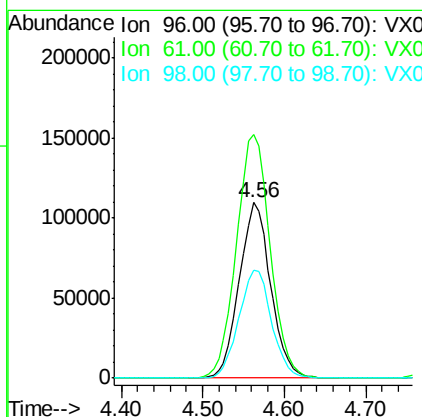
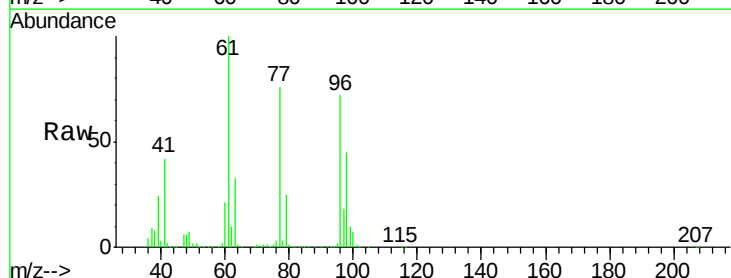
RT: 4.56 min Scan# 570

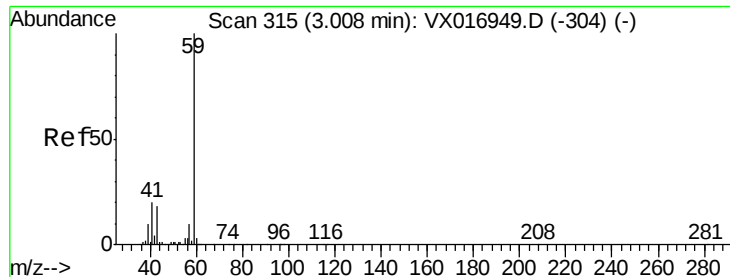
Delta R.T. -0.01 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Tgt Ion:	96	Resp:	293957
Ion Ratio	Lower	Upper	
96	100		
61	149.0	120.8	181.2
98	64.1	51.7	77.5





#23

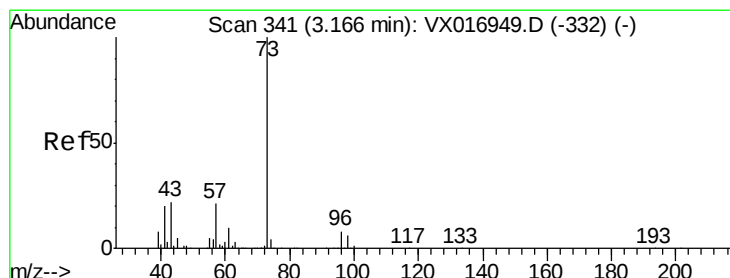
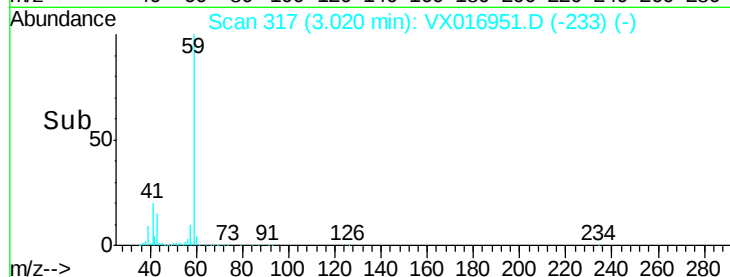
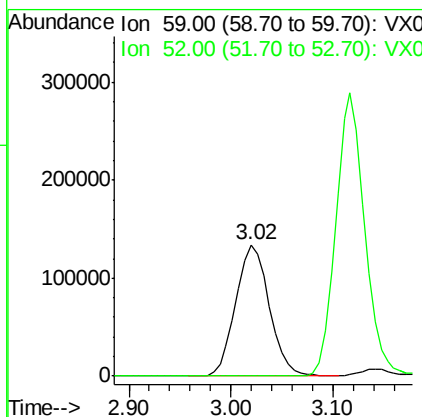
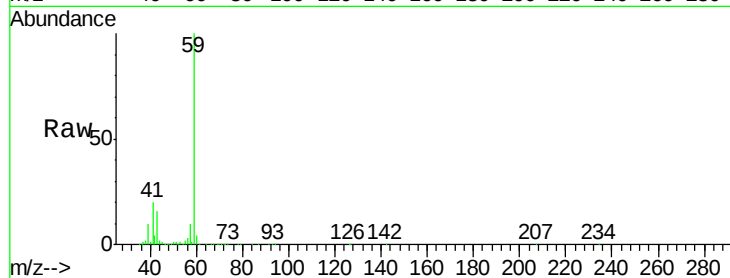
tert-Butyl Alcohol
 Concen: 1924.528 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX016951.D
 Acq: 25 Jun 2020 13:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

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

Manual Integrations
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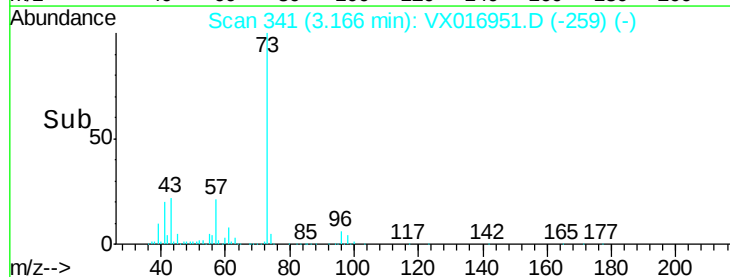
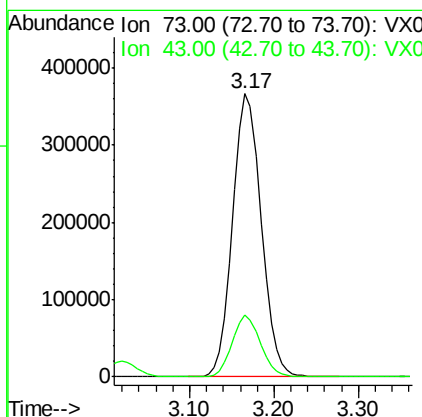
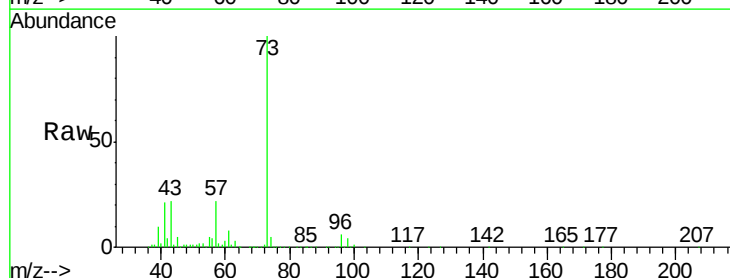
MMDadoda
 6/26/2020 3:33:52 PM

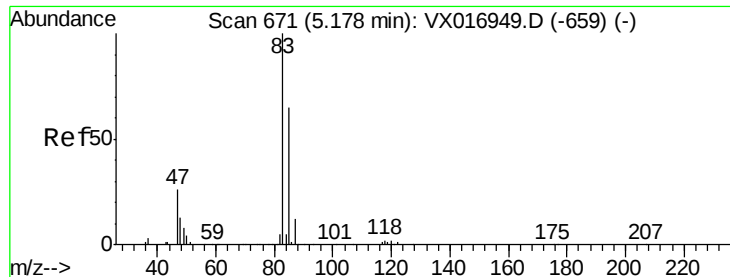


#24

Methyl tert-Butyl Ether
 Concen: 103.572 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX016951.D
 Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.2	17.2	25.8





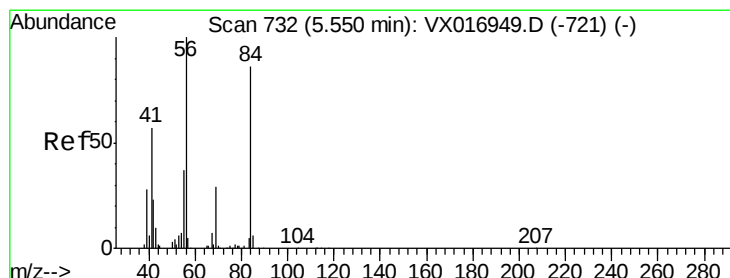
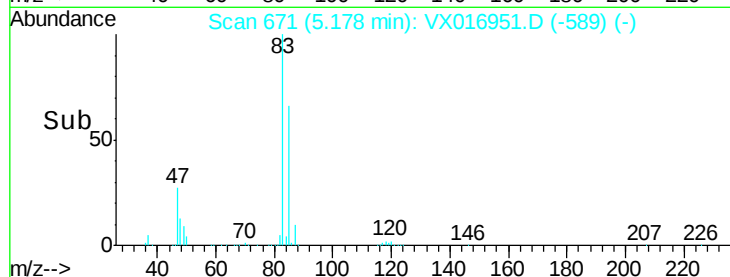
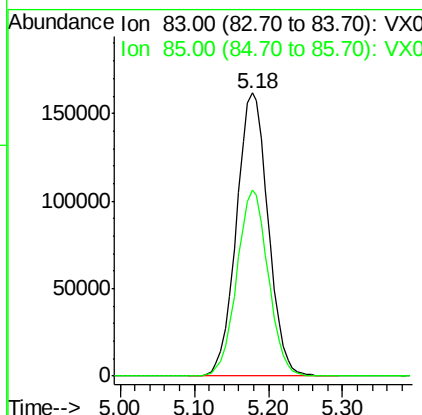
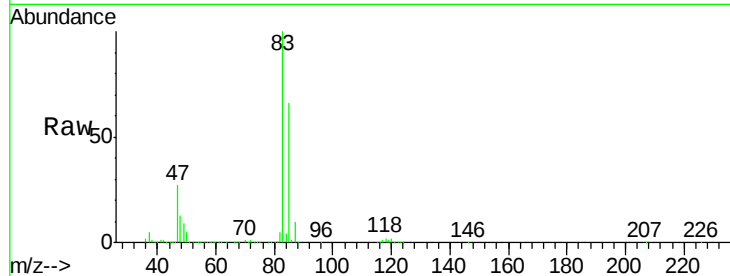
#25
Chloroform
Concen: 101.169 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	482390
Ion Ratio	Lower	Upper	
83	100		
85	65.7	52.1	78.1

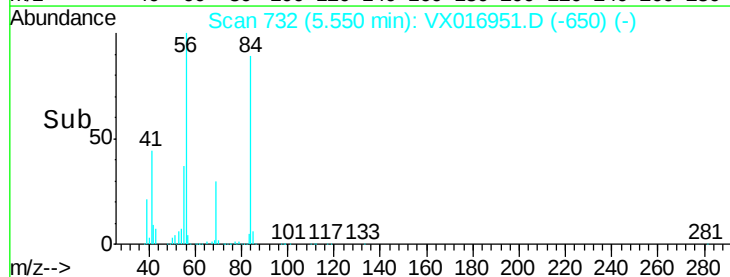
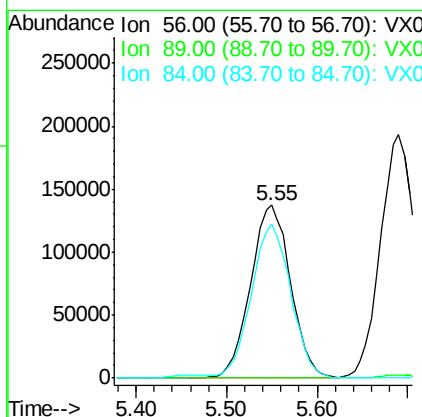
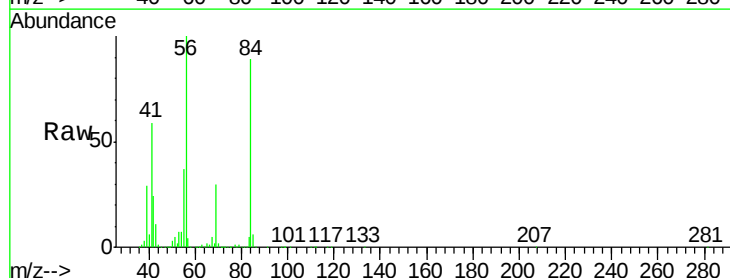
Manual Integrations
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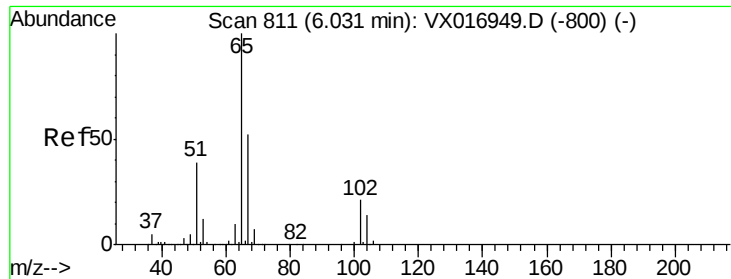
MMDadoda
6/26/2020 3:33:52 PM



#26
Cyclohexane
Concen: 102.293 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	56	Resp	419648
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.0	0.0
84	88.1	69.0	103.6





#27

1,2-Dichloroethane-d4

Concen: 29.609 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 91774

Ion Ratio Lower Upper

65 100

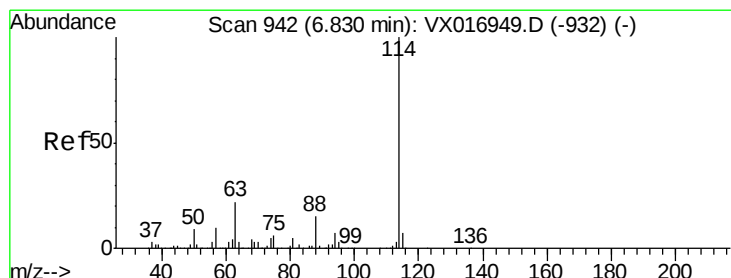
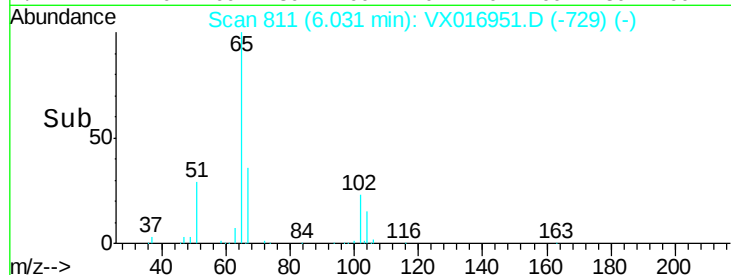
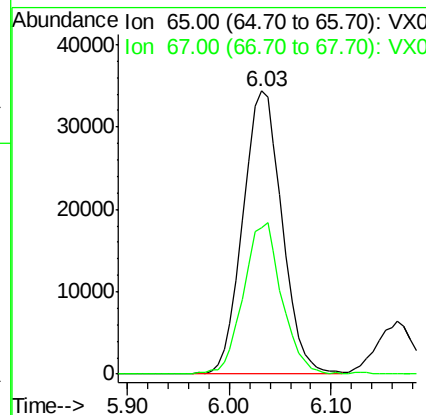
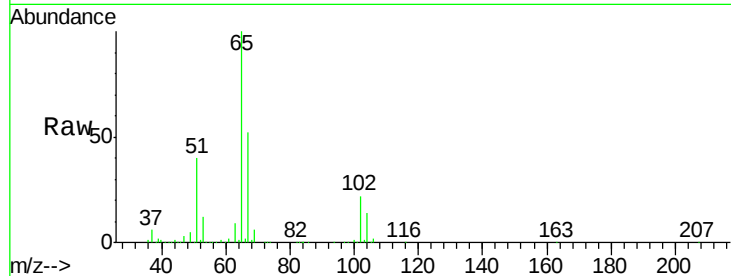
67 52.3 41.5 62.3

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: VX016951.D

Acq: 25 Jun 2020 13:49

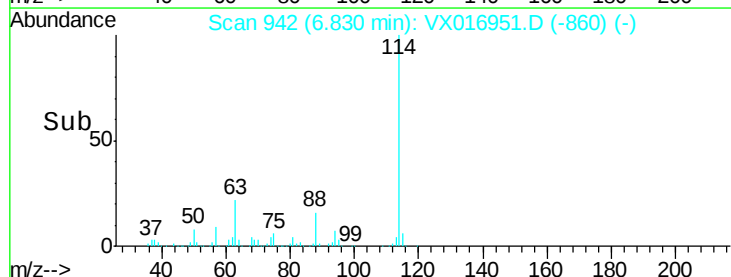
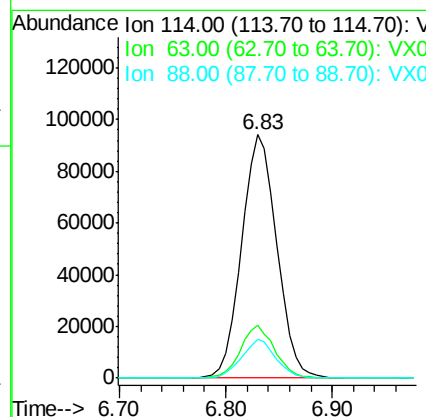
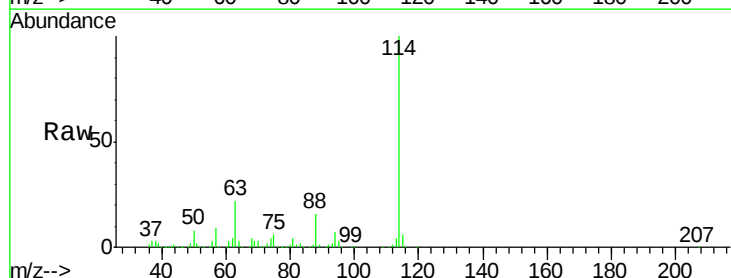
Tgt Ion: 114 Resp: 218376

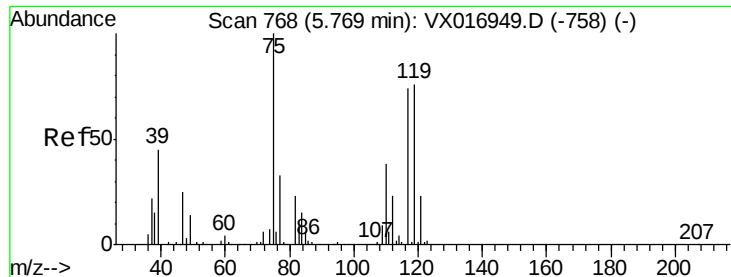
Ion Ratio Lower Upper

114 100

63 21.2 17.4 26.2

88 15.5 13.0 19.6





#29

1,1-Dichloropropene

Concen: 101.675 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

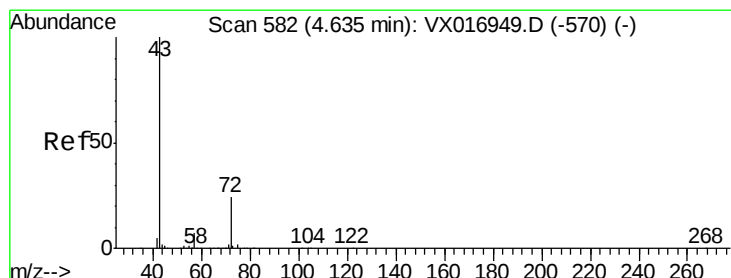
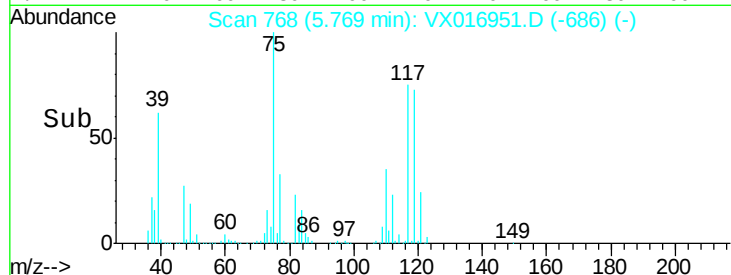
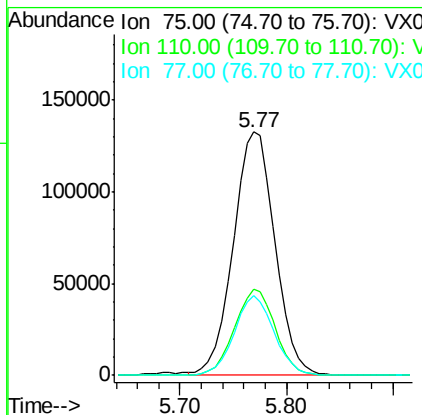
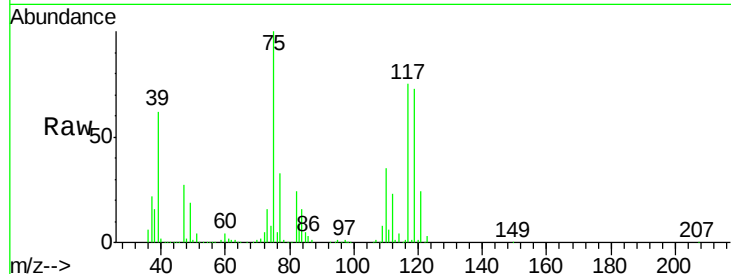
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	361704
Ion Ratio	Lower	Upper	
75	100		
110	34.7	0.0	71.6
77	31.5	0.0	64.0

Manual Integrations
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#30

2-Butanone

Concen: 518.739 ug/l

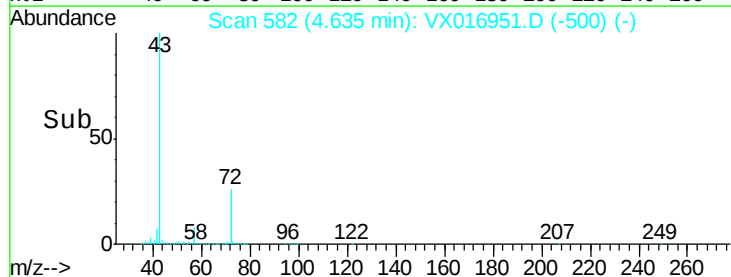
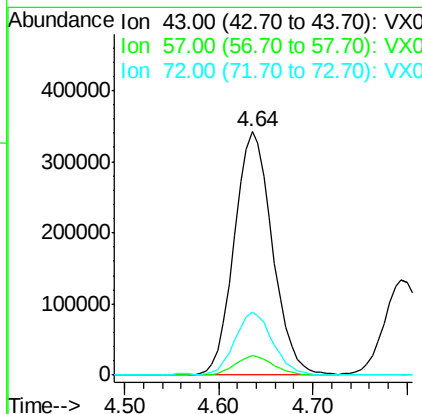
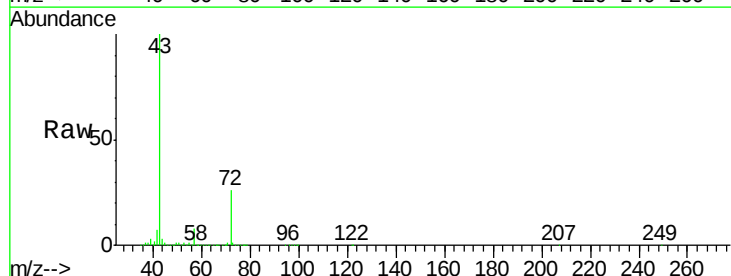
RT: 4.64 min Scan# 582

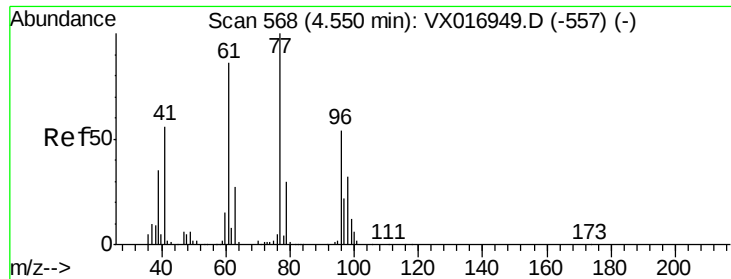
Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Tgt Ion:	43	Resp:	961889
Ion Ratio	Lower	Upper	
43	100		
57	8.0	6.2	9.4
72	25.8	20.6	31.0





#31

2,2-Dichloropropane

Concen: 101.208 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Tot Ion: 77 Resp: 412916

Ion Ratio Lower Upper

77 100

97 22.3 18.5 27.7

Instrument :

MSVOA_X

ClientSampleId :

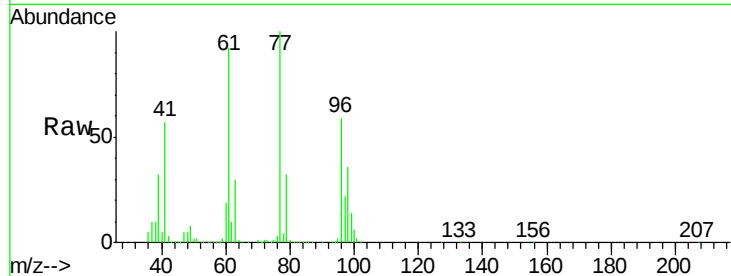
VSTDIC100

Manual Integrations

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Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

150000

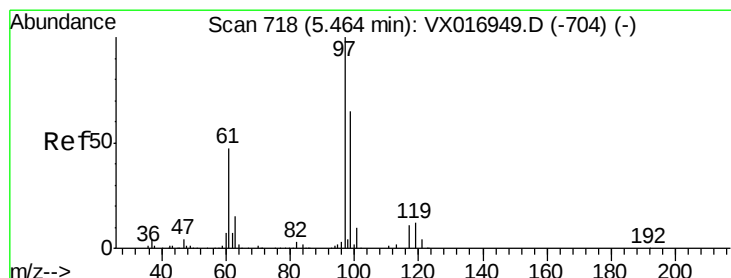
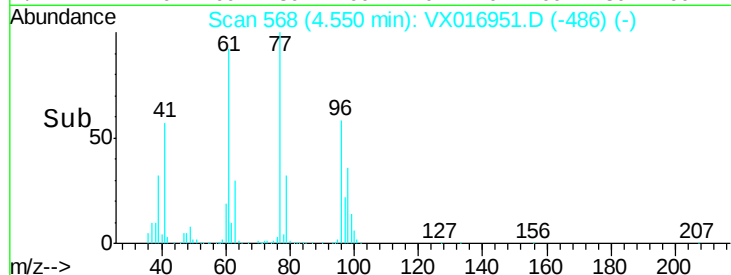
100000

50000

0

4.40 4.50 4.60 4.70

Time-->



#32

1,1,1-Trichloroethane

Concen: 101.551 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

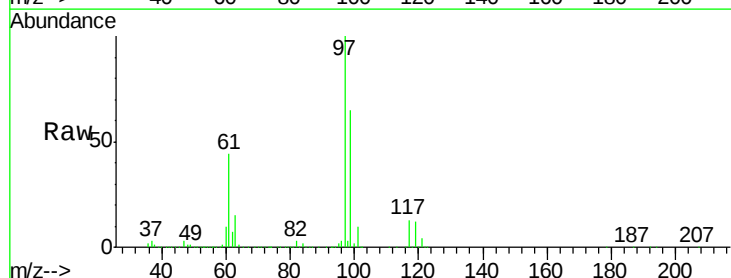
Tgt Ion: 97 Resp: 437134

Ion Ratio Lower Upper

97 100

99 64.5 52.2 78.2

61 45.5 36.9 55.3



Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

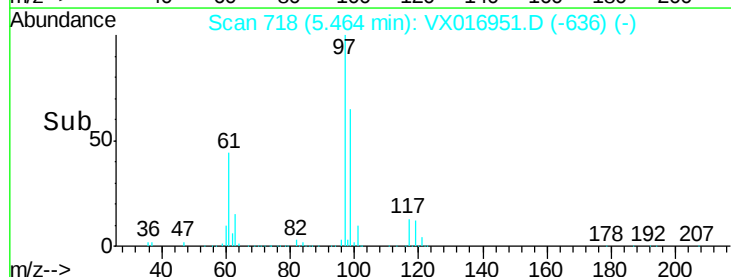
100000

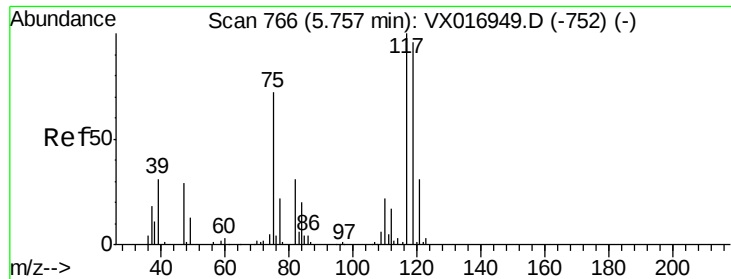
50000

0

5.30 5.40 5.50 5.60

Time-->





#33

Carbon Tetrachloride

Concen: 102.652 ug/l

RT: 5.76 min Scan# 766

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

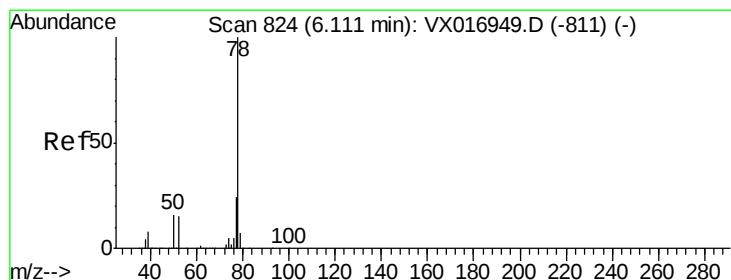
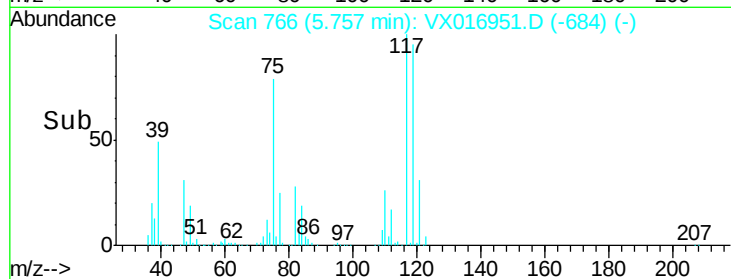
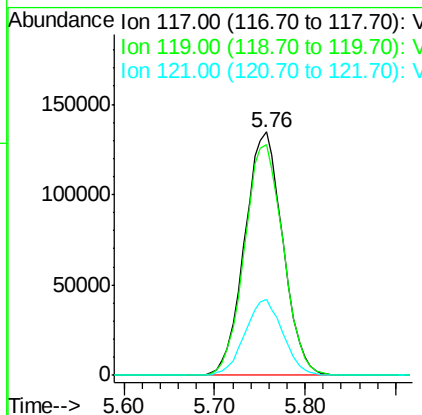
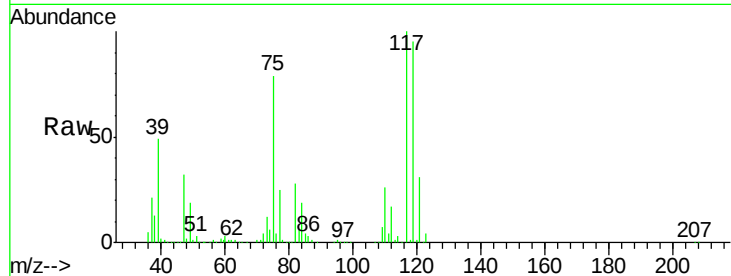
ClientSampleId :

VSTDIC100

Tot Ion:	117	Resp:	391869
Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.0	115.4
121	31.1	25.0	37.4

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#34

Benzene

Concen: 101.878 ug/l

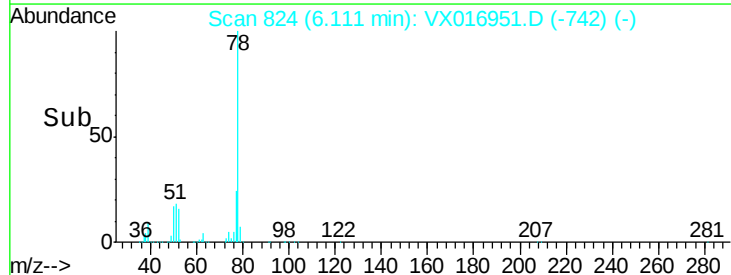
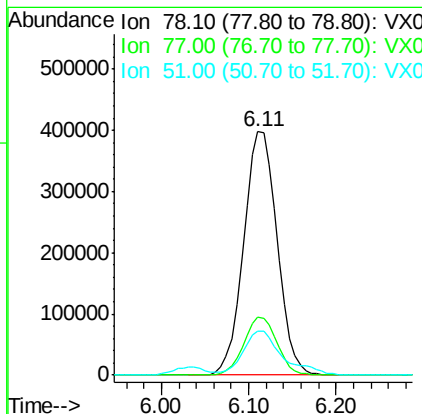
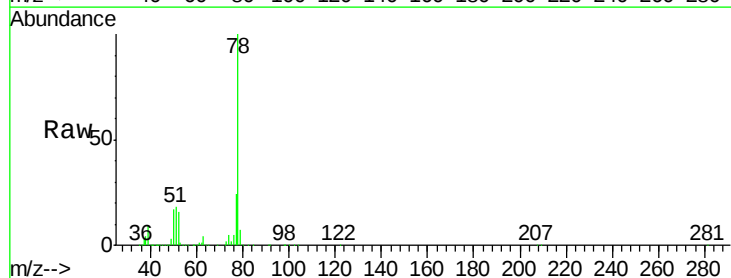
RT: 6.11 min Scan# 824

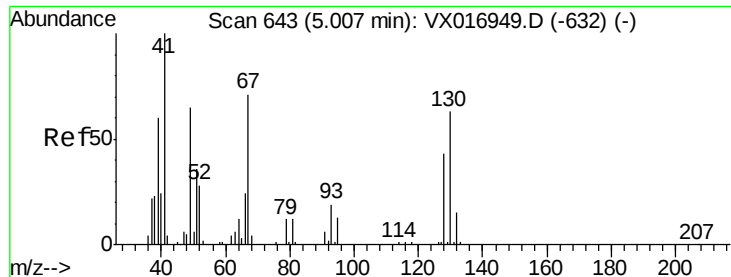
Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Tgt Ion:	78	Resp:	1055294
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6
51	17.8	12.8	19.2





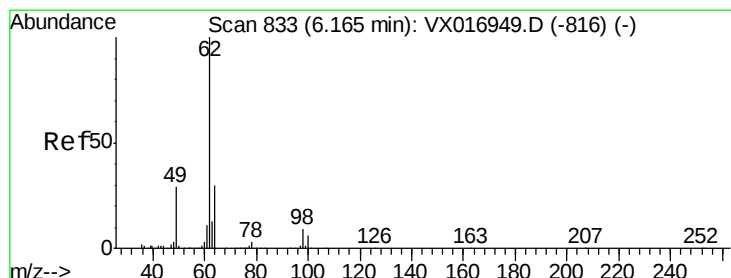
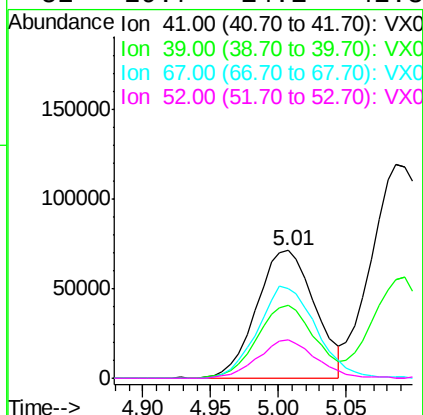
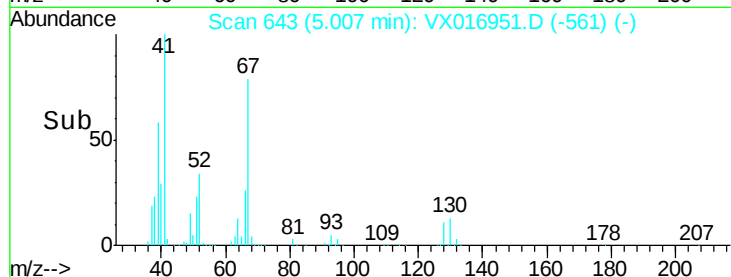
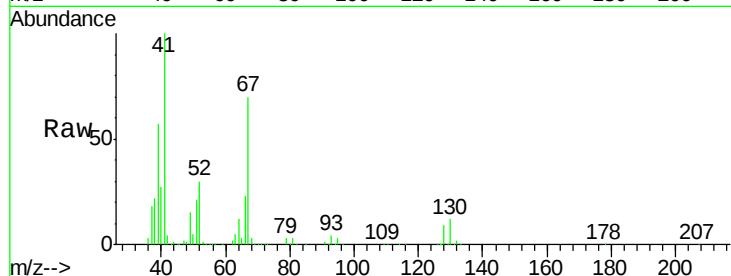
#35
Methacrylonitrile
Concen: 103.972 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.1	29.8	89.5	
67	70.2	35.3	105.9	
52	29.7	14.1	42.3	

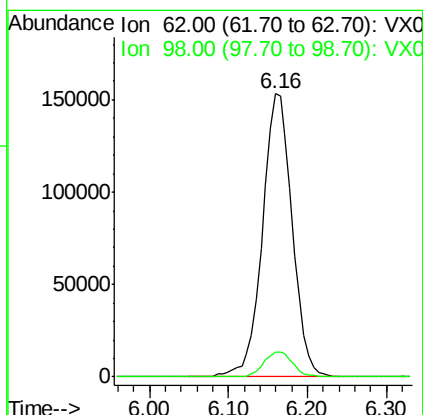
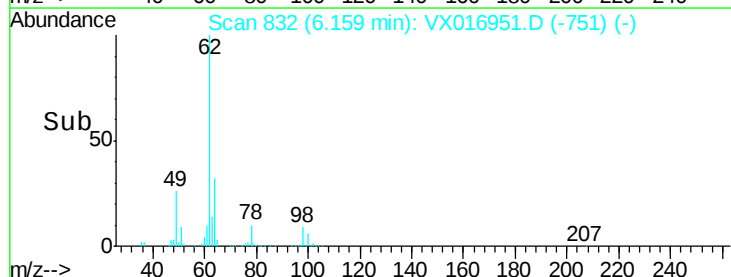
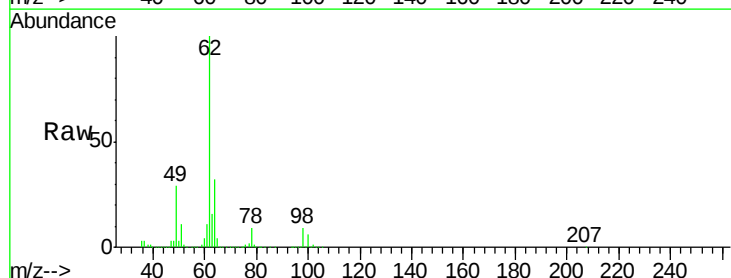
Manual Integrations
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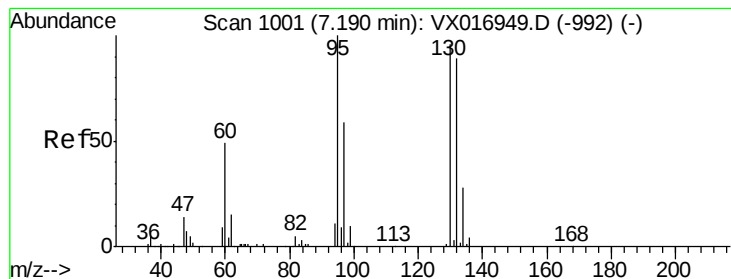
MMDadoda
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#36
1,2-Dichloroethane
Concen: 101.128 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.8	7.6	11.4	





#37

Trichloroethene

Concen: 101.467 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:130 Resp: 286797

Ion Ratio Lower Upper

130 100

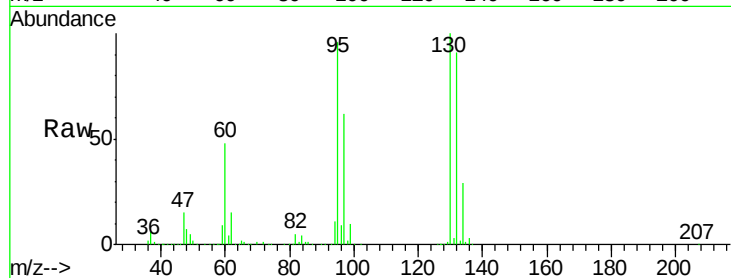
95 95.6 83.1 124.7

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

7.18

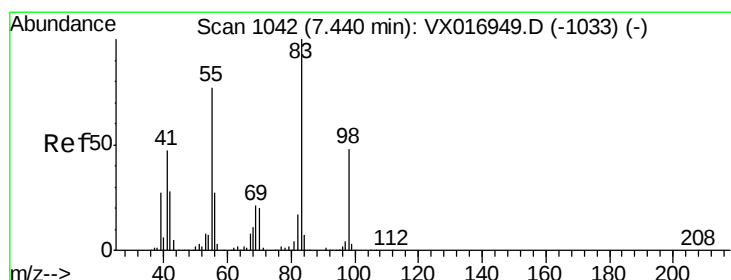
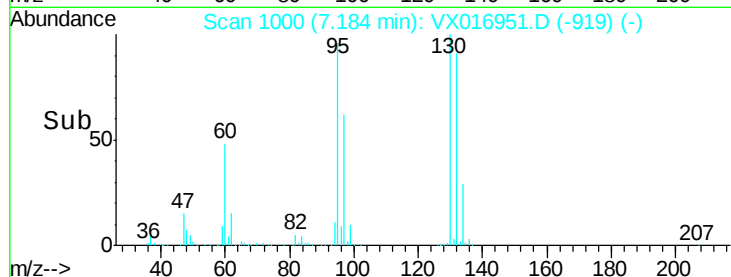
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 103.532 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

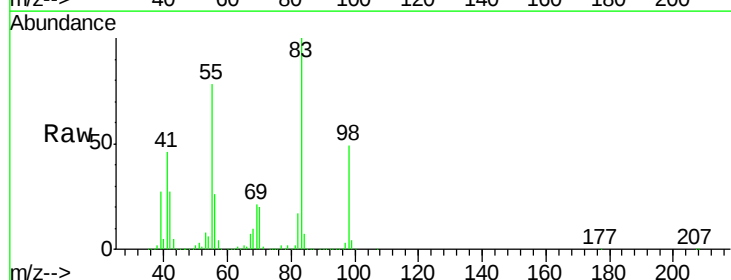
Tgt Ion: 83 Resp: 419436

Ion Ratio Lower Upper

83 100

55 77.5 38.1 114.5

98 49.1 24.6 73.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

7.44

250000

200000

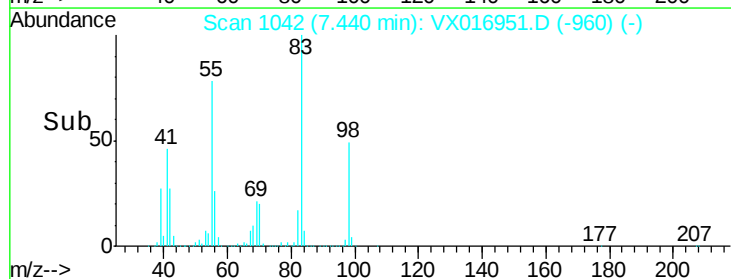
150000

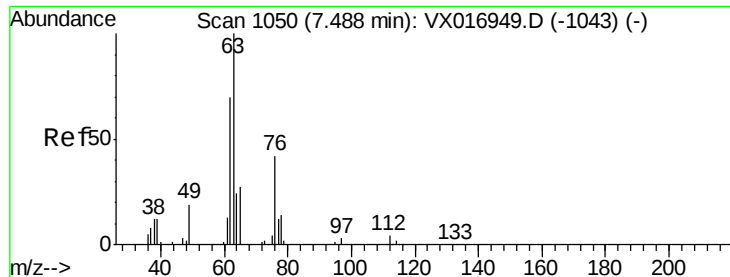
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 101.961 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 275156

Ion Ratio Lower Upper

63 100

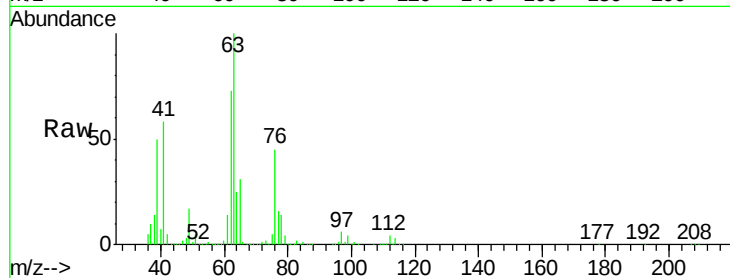
65 30.9 22.8 34.2

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0

7.49

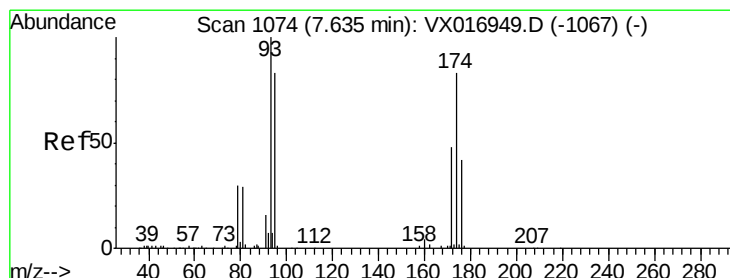
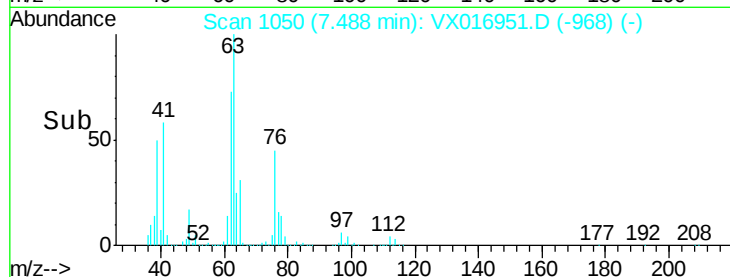
150000

100000

50000

0

Time-->



#40

Dibromomethane

Concen: 101.415 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

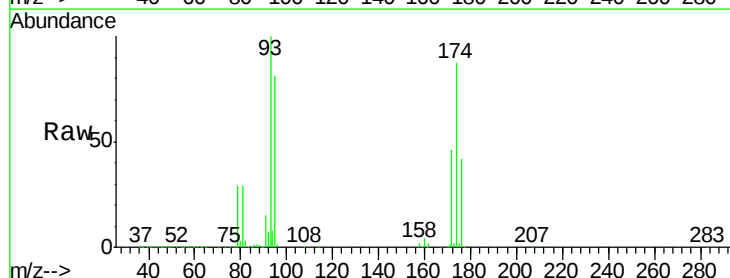
Tgt Ion: 93 Resp: 188624

Ion Ratio Lower Upper

93 100

95 83.0 0.0 165.4

174 94.3 0.0 192.0



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

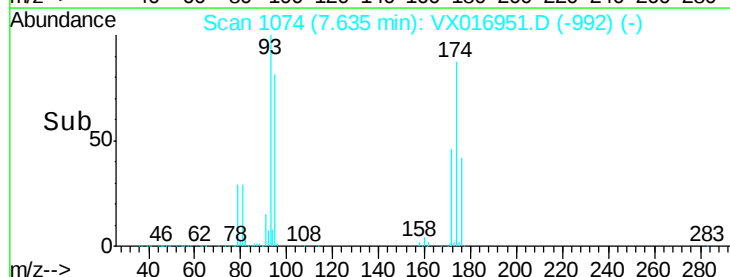
7.63

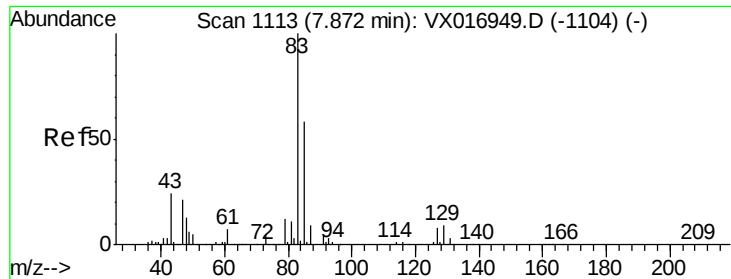
100000

50000

0

Time-->





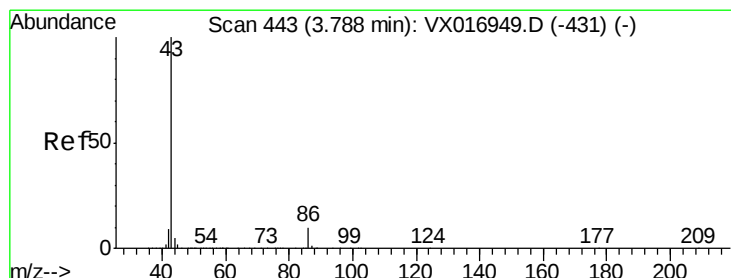
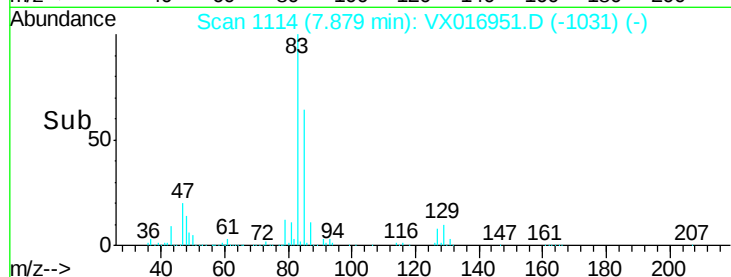
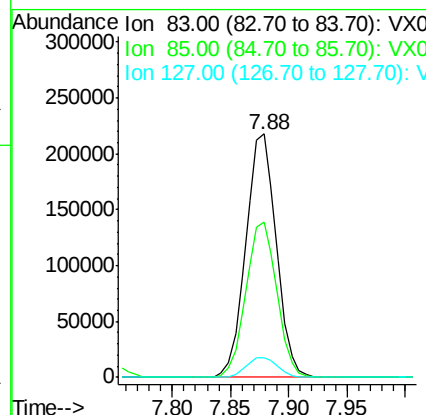
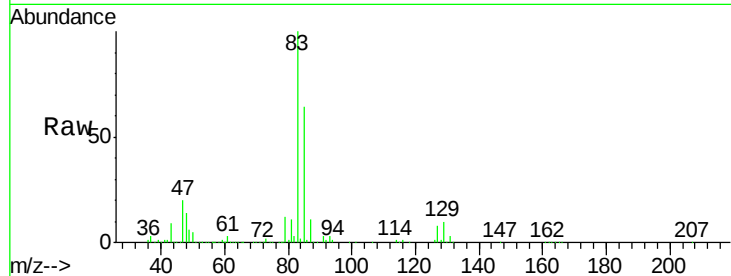
#41
Bromodichloromethane
Concen: 103.630 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	46.7	70.1
127	8.2	6.5	9.7

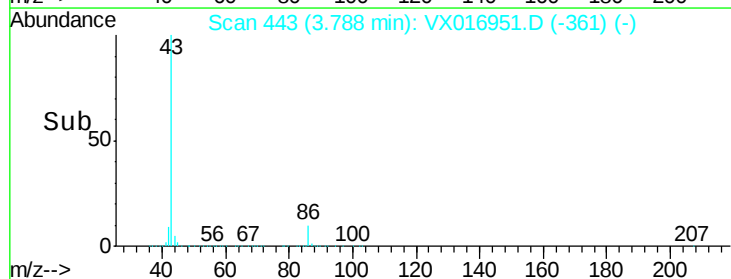
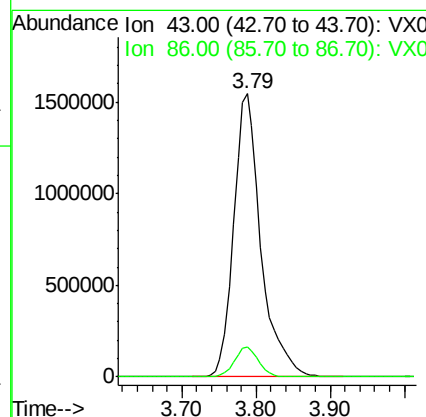
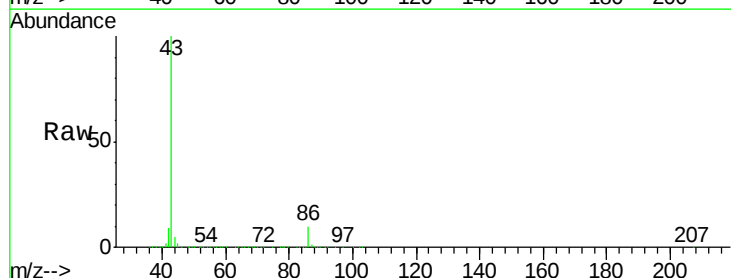
Manual Integrations
APPROVED

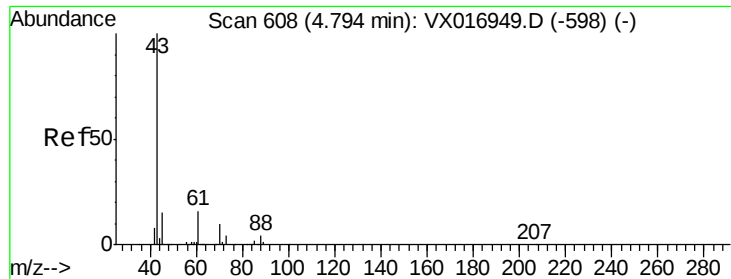
MMDadoda
6/26/2020 3:33:52 PM



#42
Vinyl Acetate
Concen: 527.942 ug/l
RT: 3.79 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.4	11.2





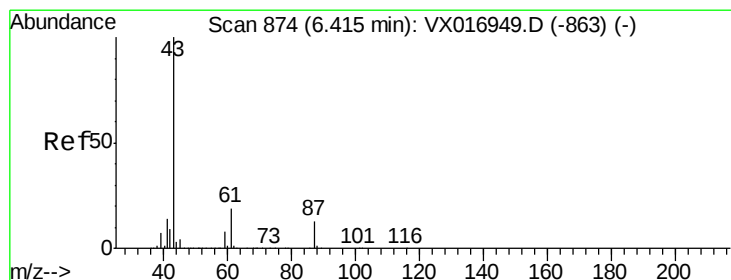
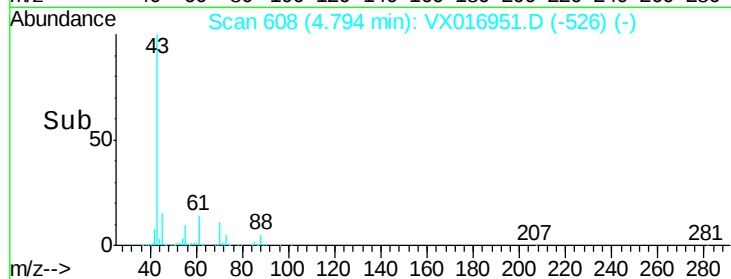
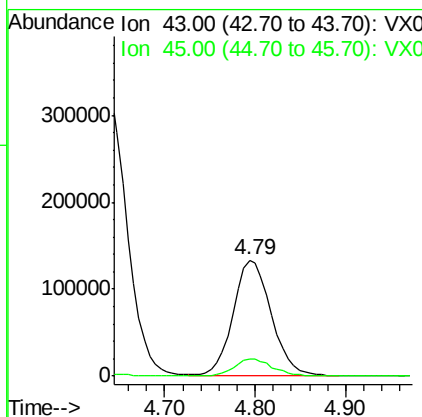
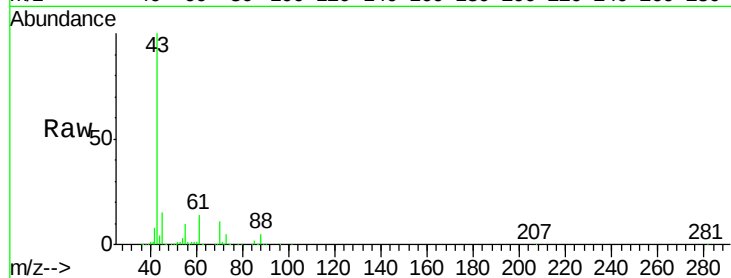
#43
Ethyl Acetate
Concen: 102.194 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	43	Ratio	Lower	Upper
43	100			
45	14.9	11.8	17.6	

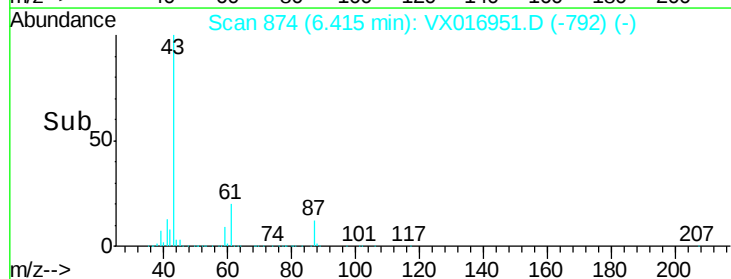
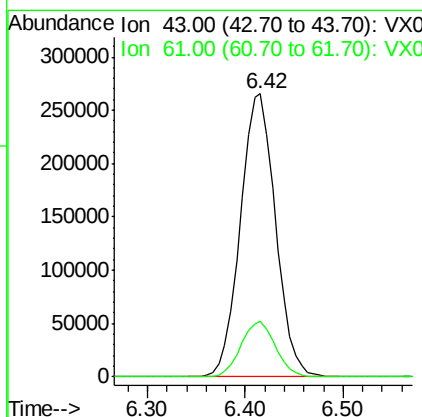
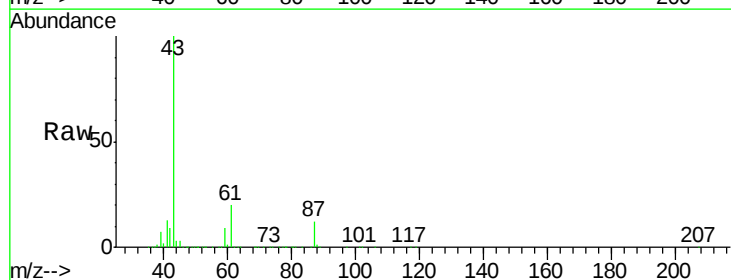
Manual Integrations
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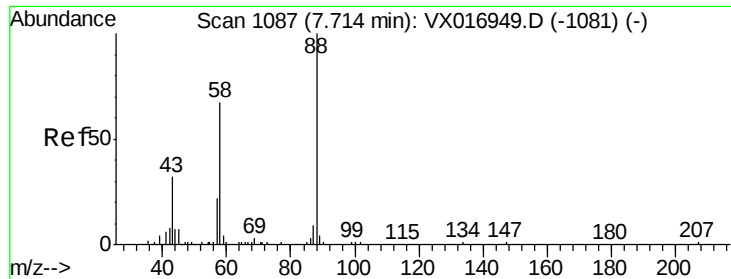
MMDadoda
6/26/2020 3:33:52 PM



#44
Isopropyl Acetate
Concen: 104.548 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	43	Ratio	Lower	Upper
43	100			
61	19.4	15.4	23.2	





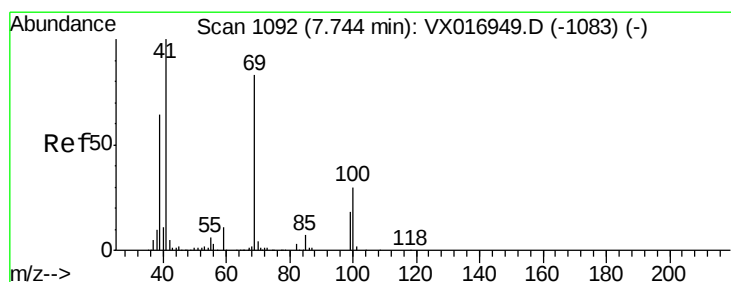
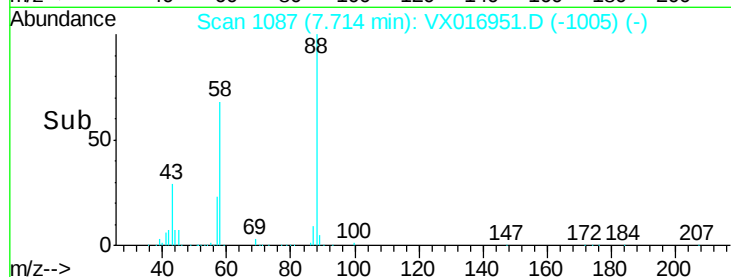
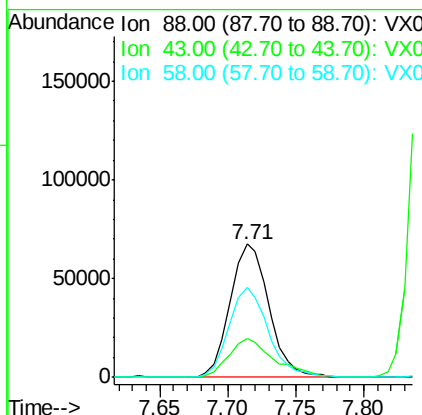
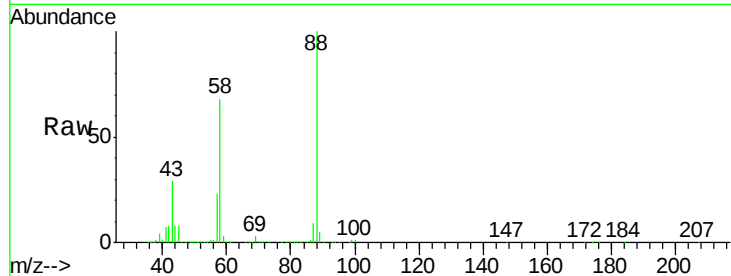
#45
1,4-Dioxane
Concen: 2099.148 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	28.9	43.3
58	69.4	56.7	85.1

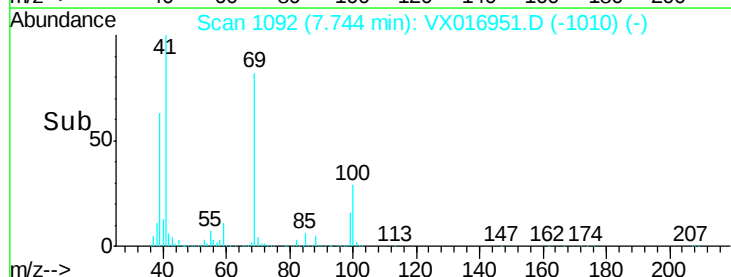
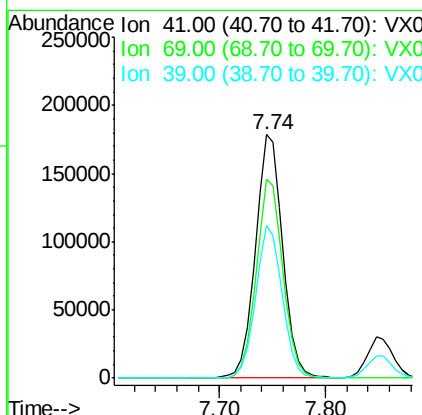
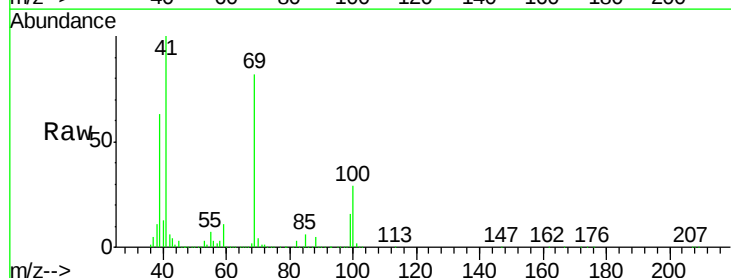
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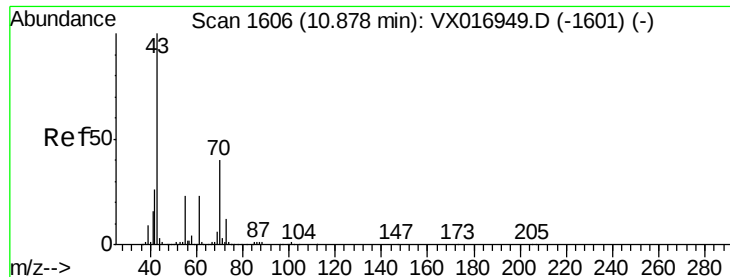
MMDadoda
6/26/2020 3:33:52 PM



#46
Methyl methacrylate
Concen: 108.968 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.5	41.3	123.9
39	62.5	32.0	96.2





#47

n-amvl Acetate

Concen: 110.871 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 620442

Ion Ratio Lower Upper

43 100

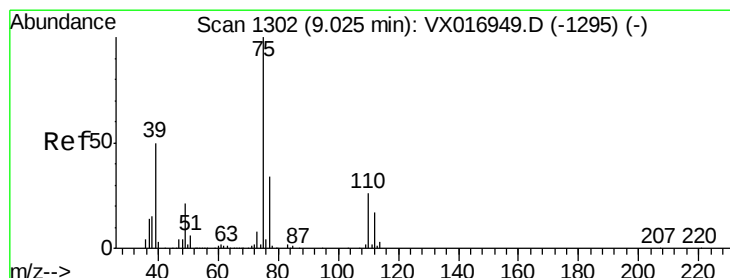
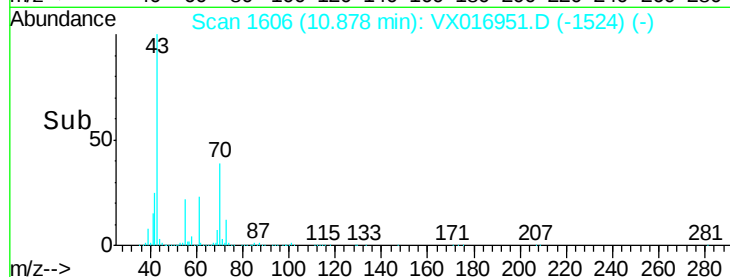
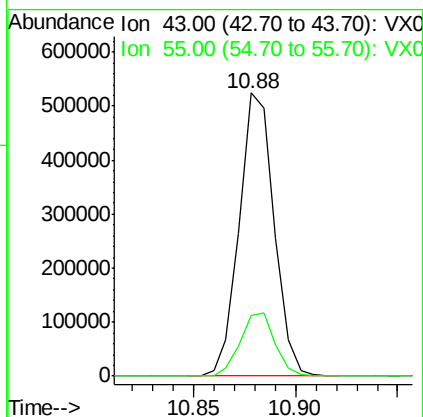
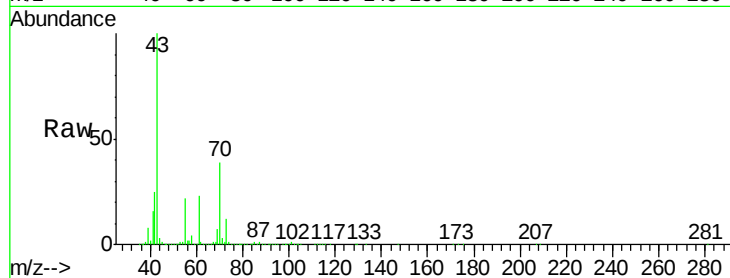
55 22.6 18.6 27.8

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 106.644 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016951.D

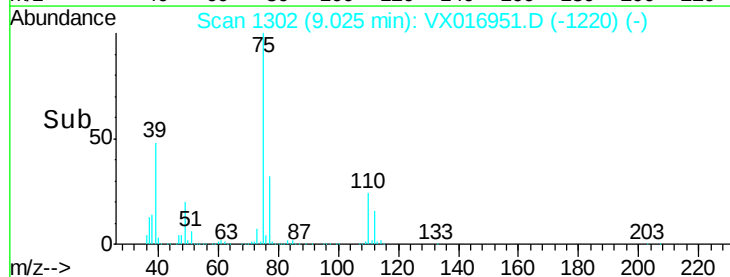
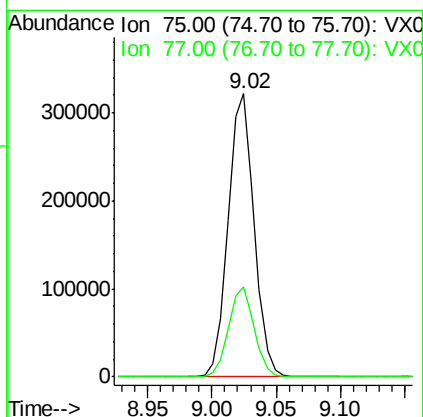
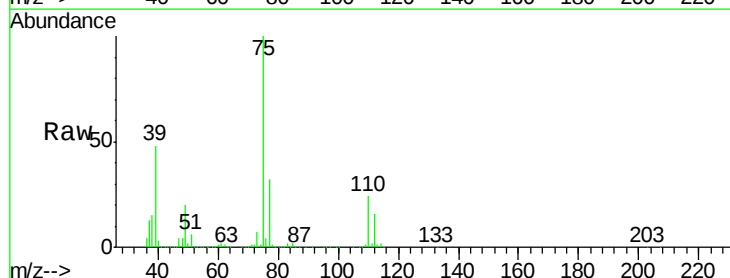
Acq: 25 Jun 2020 13:49

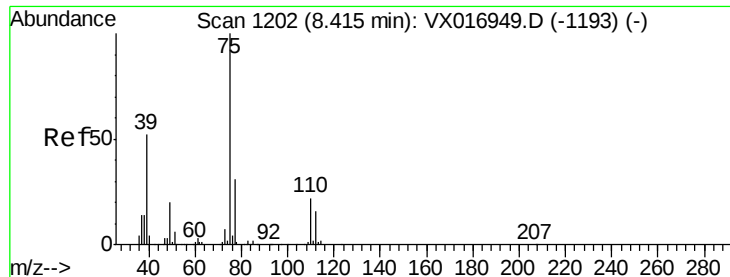
Tgt Ion: 75 Resp: 454134

Ion Ratio Lower Upper

75 100

77 32.0 27.0 40.4





#49

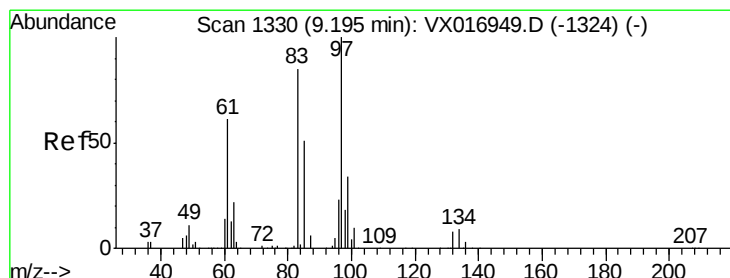
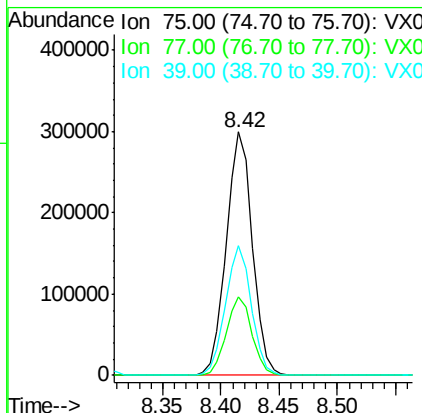
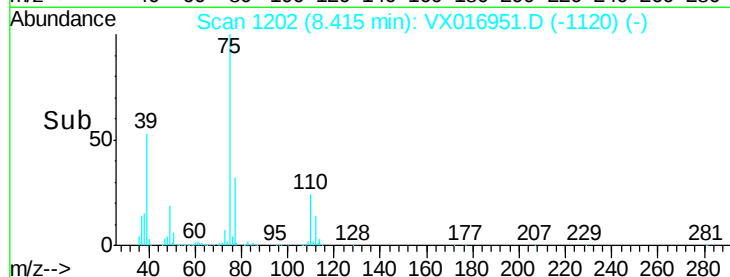
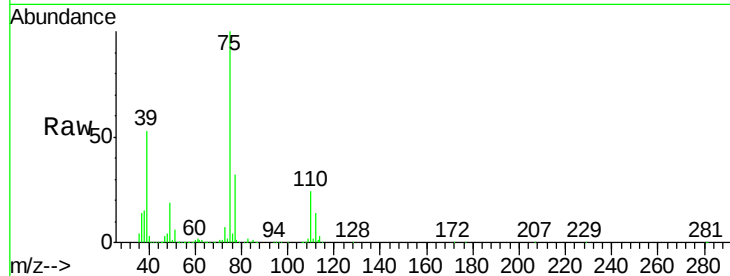
cis-1,3-Dichloropropene
 Concen: 103.949 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX016951.D
 Acq: 25 Jun 2020 13:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2
39	53.1	41.8	62.6

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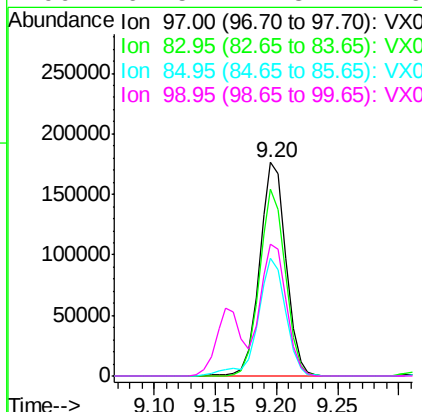
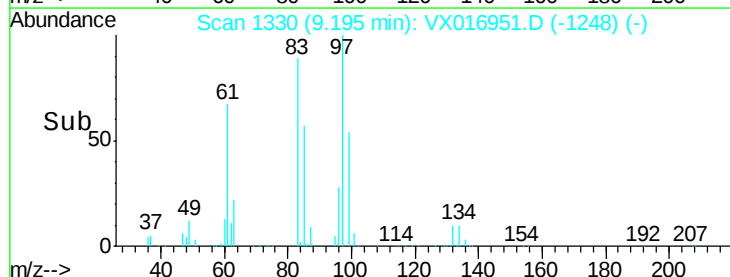
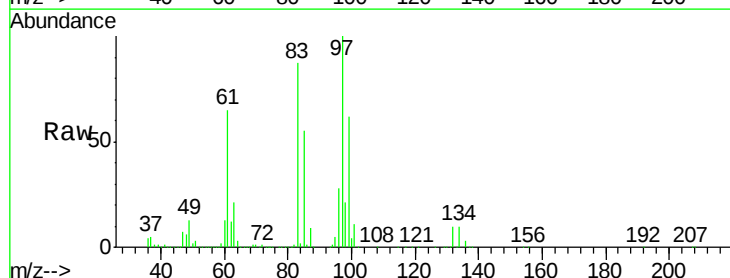
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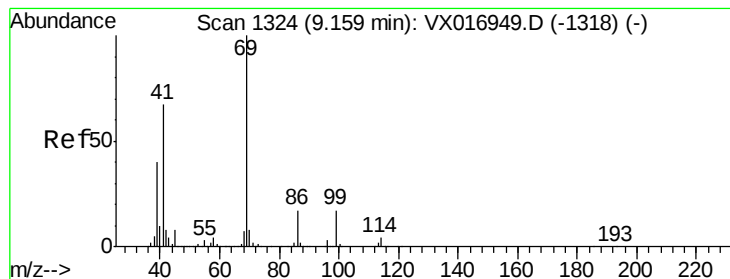


#50

1,1,2-Trichloroethane
 Concen: 102.250 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016951.D
 Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.4	67.4	101.0
85	55.3	42.9	64.3
99	61.5	47.8	71.6





#51

Ethyl methacrylate

Concen: 108.048 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

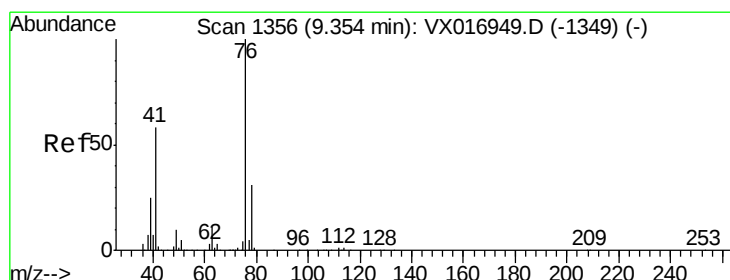
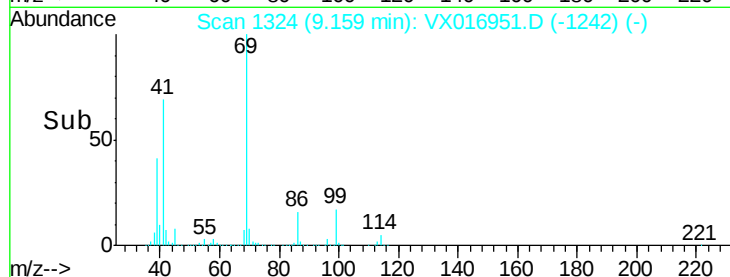
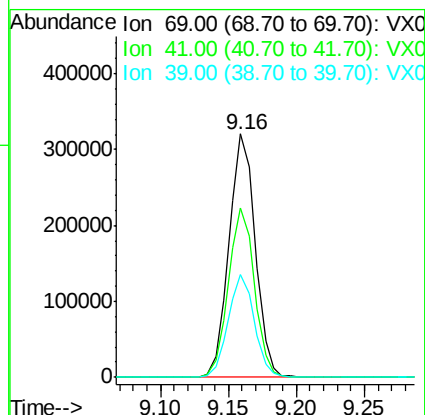
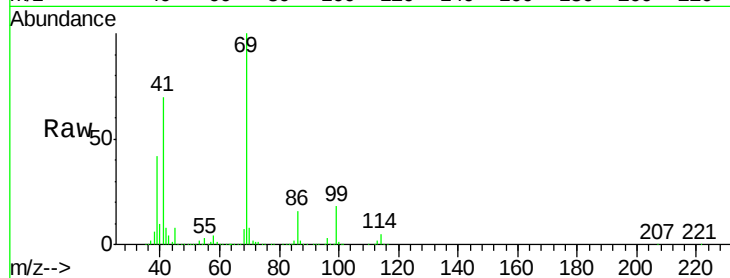
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	430419
Ion Ratio	Lower	Upper	
69	100		
41	69.6	33.7	101.1
39	41.9	19.9	59.7

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#52

1,3-Dichloropropane

Concen: 102.617 ug/l

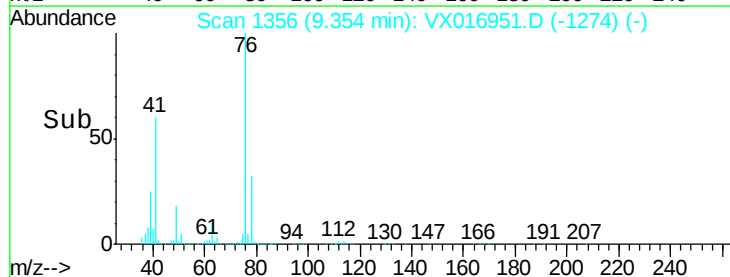
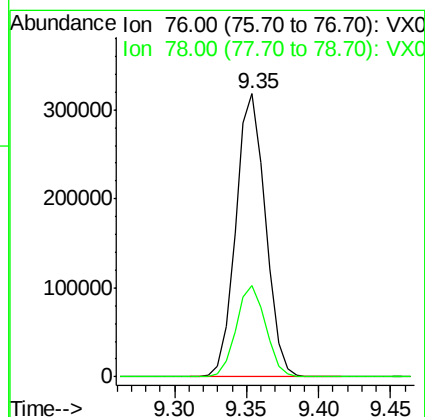
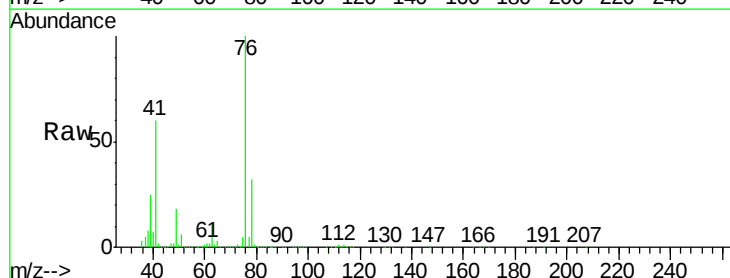
RT: 9.35 min Scan# 1356

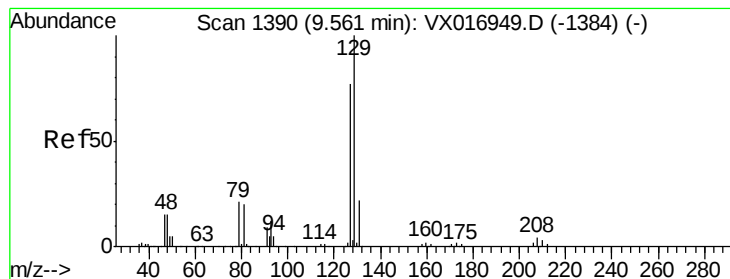
Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Tgt Ion:	76	Resp:	457309
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	62.4





#53

Dibromochloromethane

Concen: 104.867 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 312866

Ion Ratio Lower Upper

129 100

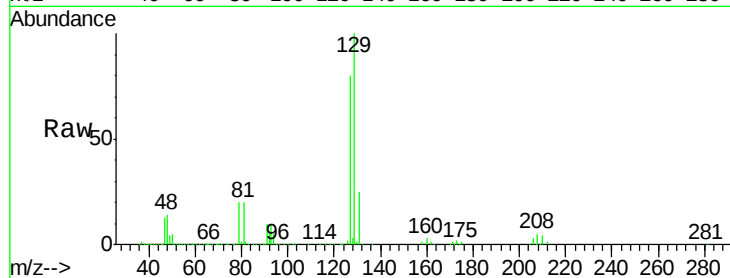
127 77.8 38.7 116.1

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

250000

200000

150000

100000

50000

0

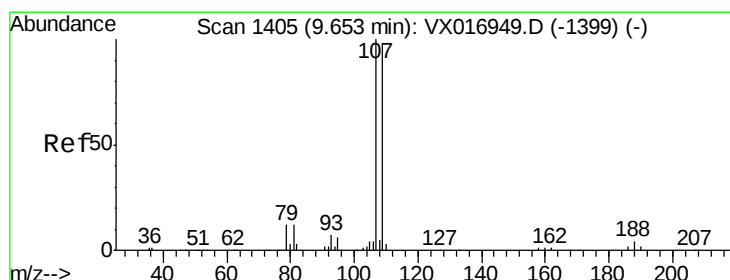
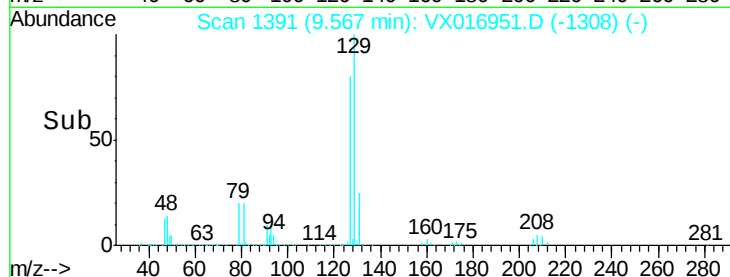
9.50

9.55

9.60

9.65

Time-->



#54

1,2-Dibromoethane

Concen: 103.141 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016951.D

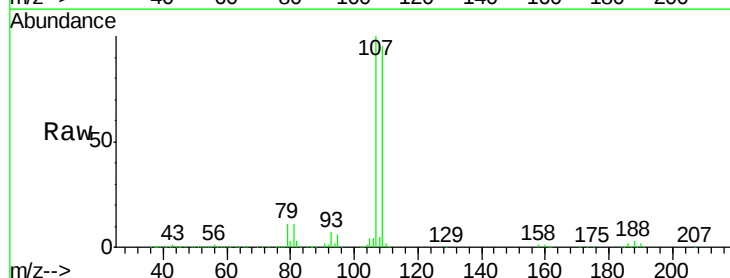
Acq: 25 Jun 2020 13:49

Tgt Ion:107 Resp: 284089

Ion Ratio Lower Upper

107 100

109 94.2 75.0 112.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

200000

150000

100000

50000

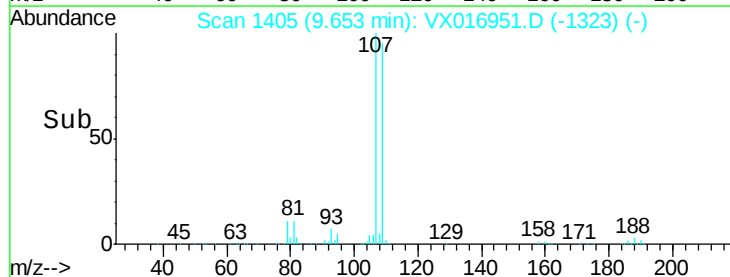
0

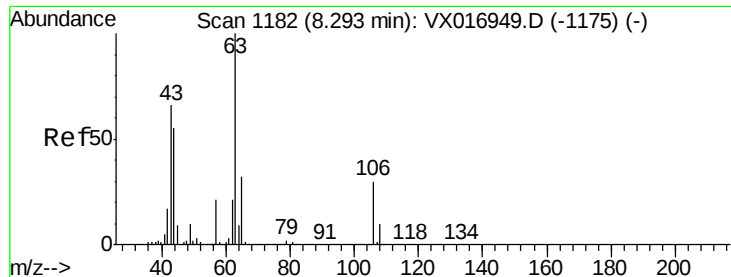
9.60

9.65

9.70

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 527.293 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1105364

Ion Ratio Lower Upper

63 100

65 32.1 25.9 38.9

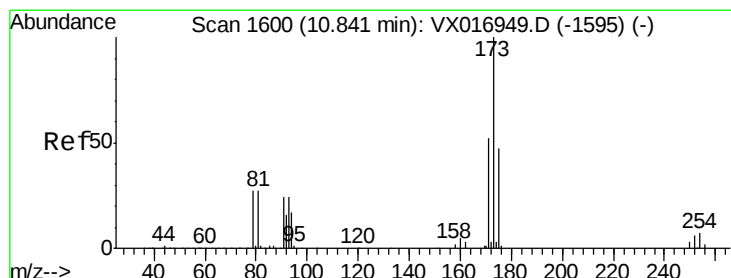
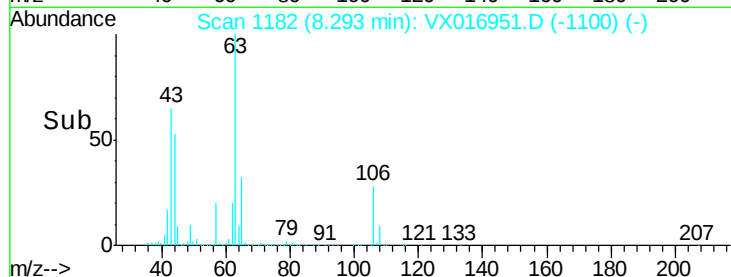
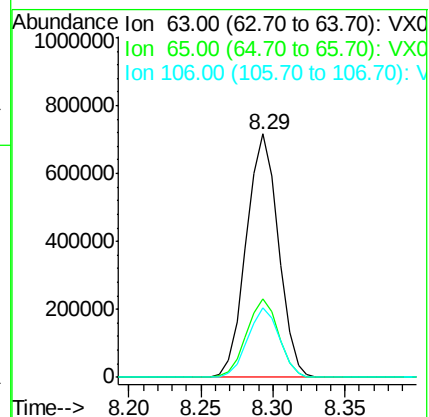
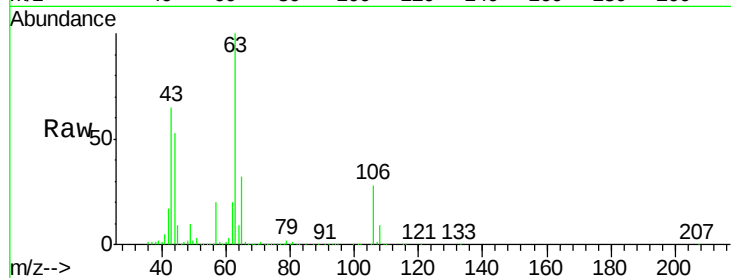
106 28.2 22.6 33.8

Manual Integrations

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#56

Bromoform

Concen: 108.577 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

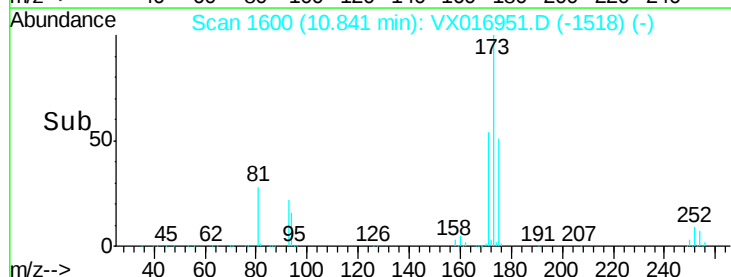
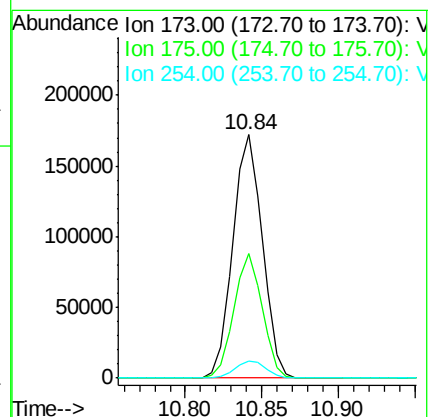
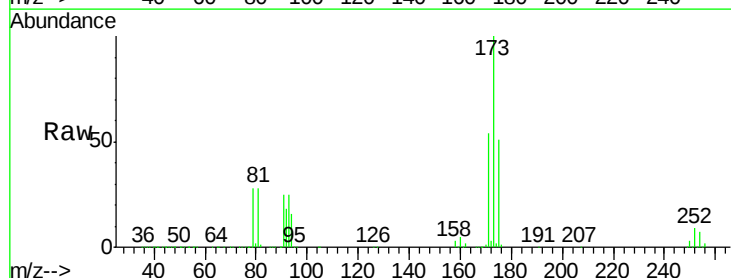
Tgt Ion: 173 Resp: 229948

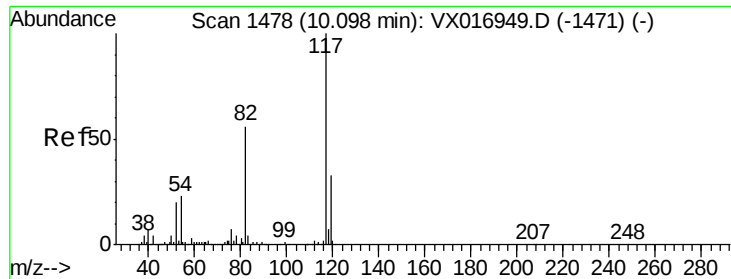
Ion Ratio Lower Upper

173 100

175 49.2 38.7 58.1

254 7.1 5.8 8.6





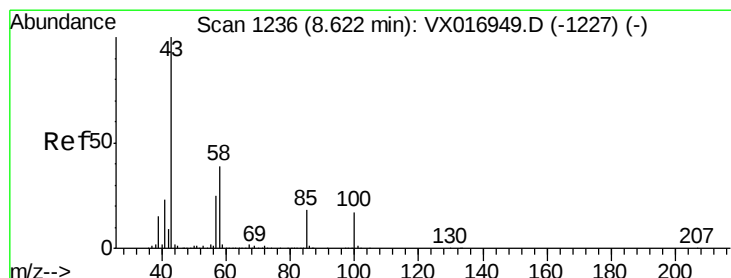
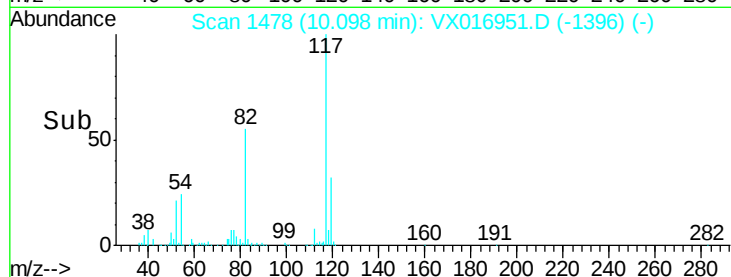
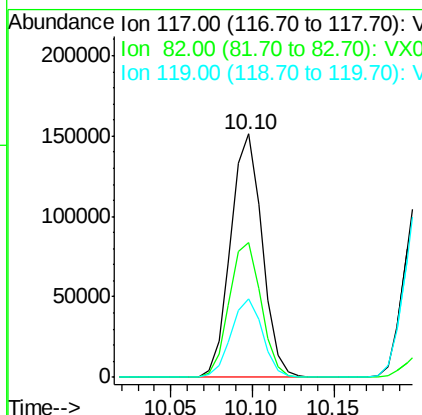
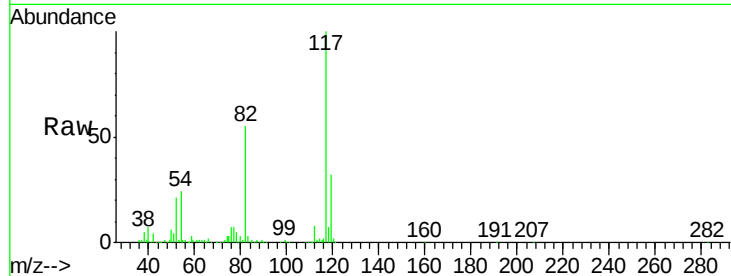
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.9	67.3
119	32.2	25.8	38.8

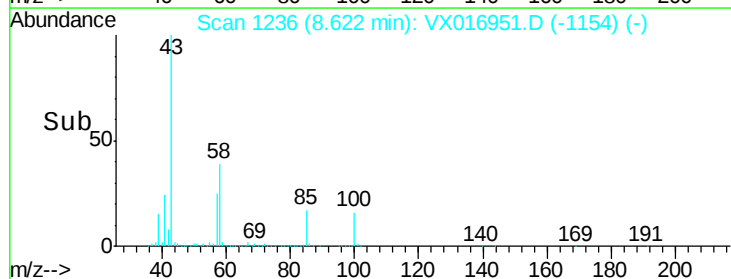
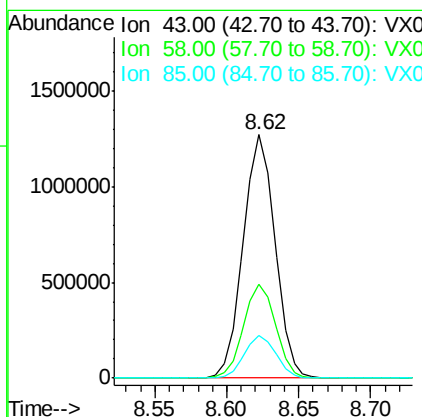
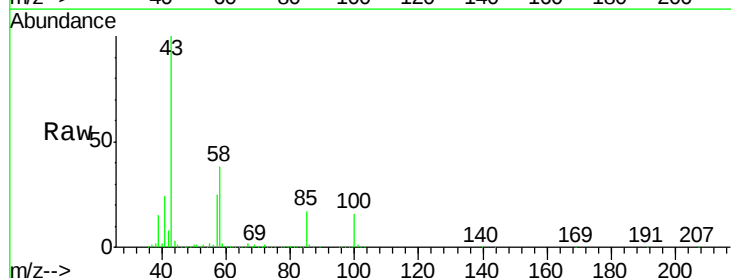
Manual Integrations
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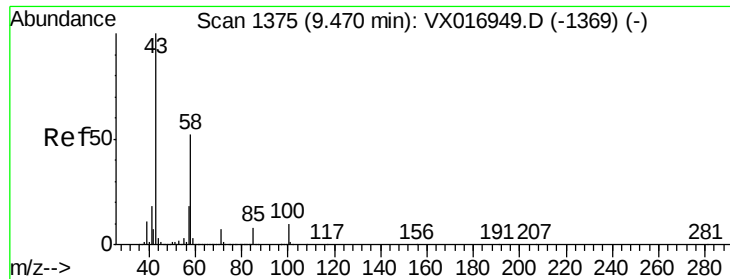
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 519.445 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.4	45.6
85	17.2	13.5	20.3





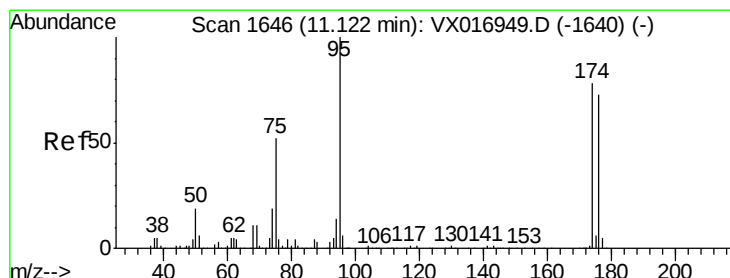
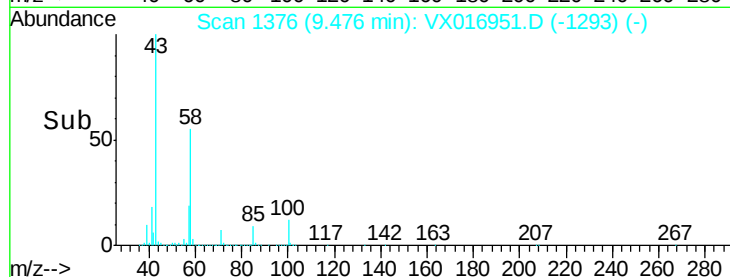
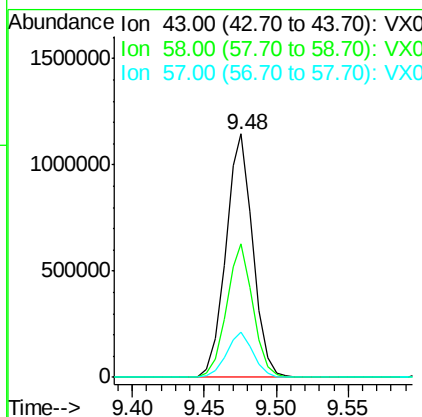
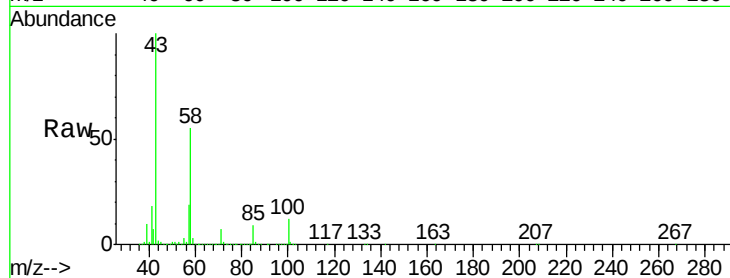
#59
2-Hexanone
Concen: 535.395 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1501038
Ion Ratio Lower Upper
43 100
58 53.7 42.3 63.5
57 18.5 14.1 21.1

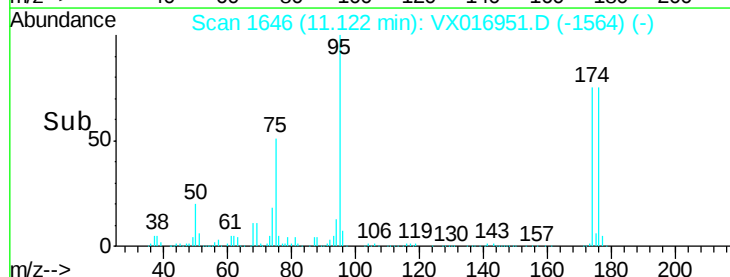
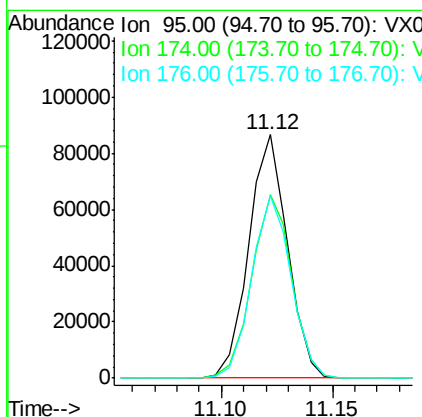
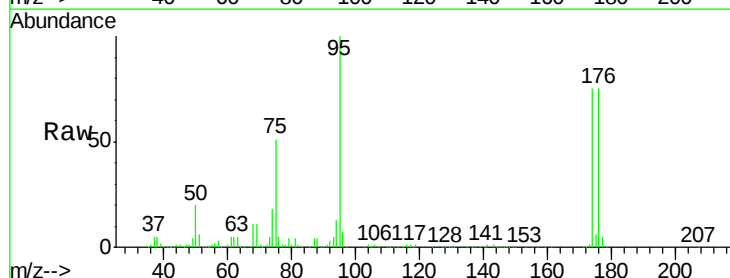
Manual Integrations
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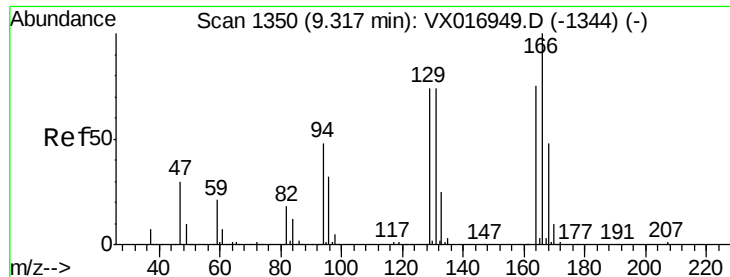
MMDadoda
6/26/2020 3:33:52 PM



#60
4-Bromofluorobenzene
Concen: 30.857 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion: 95 Resp: 104948
Ion Ratio Lower Upper
95 100
174 77.5 62.2 93.4
176 76.0 58.9 88.3





#61

Tetrachloroethene

Concen: 99.467 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 258698

Ion Ratio Lower Upper

164 100

166 127.2 106.3 159.5

129 96.5 78.9 118.3

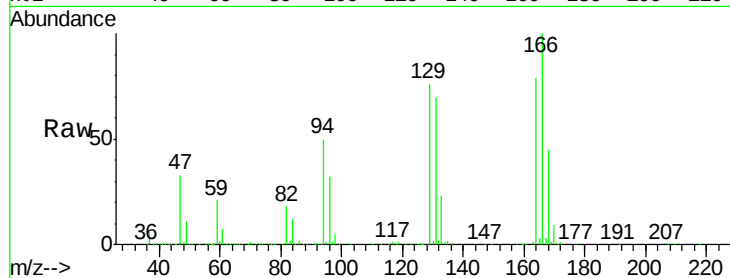
131 89.2 78.2 117.4

Manual Integrations

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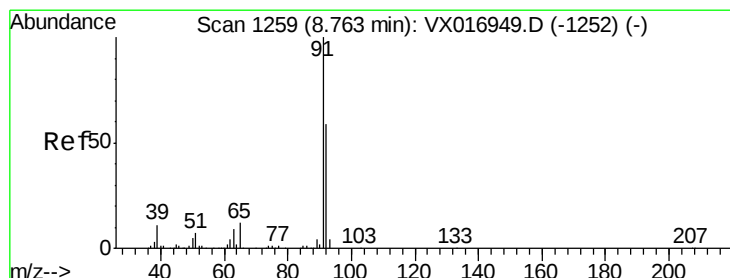
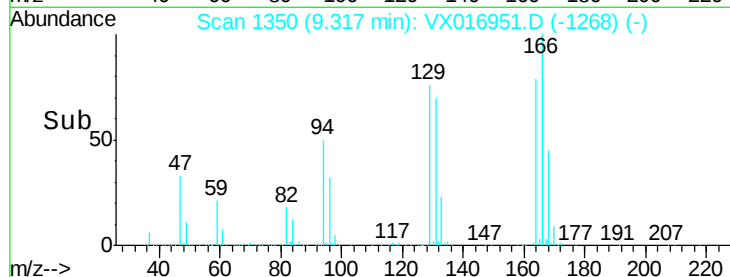
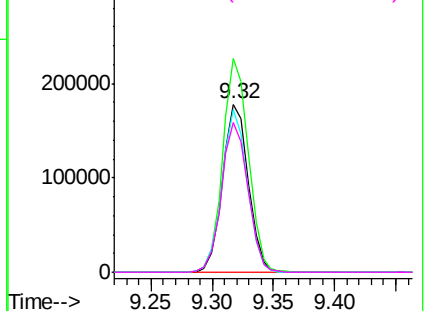


Abundance Ion 163.85 (163.55 to 164.55): V

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: 101.767 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX016951.D

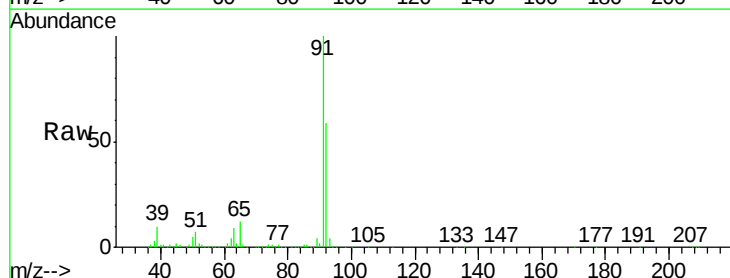
Acq: 25 Jun 2020 13:49

Tgt Ion: 91 Resp: 1135161

Ion Ratio Lower Upper

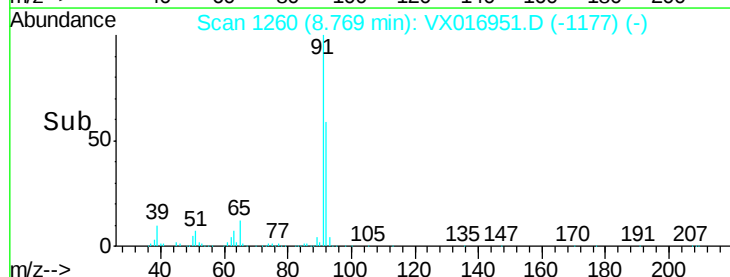
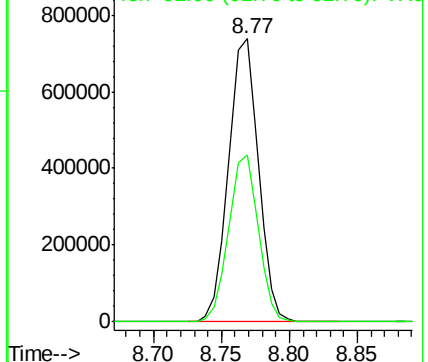
91 100

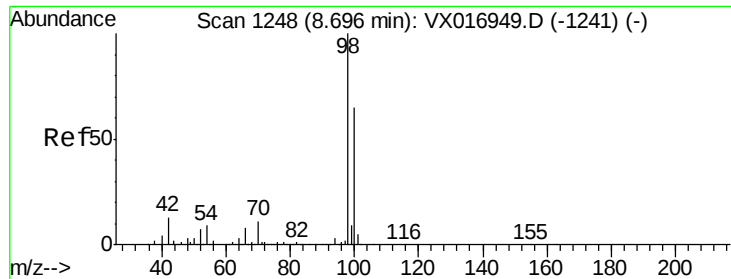
92 58.4 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.765 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 98 Resp: 267581

Ion Ratio Lower Upper

98 100

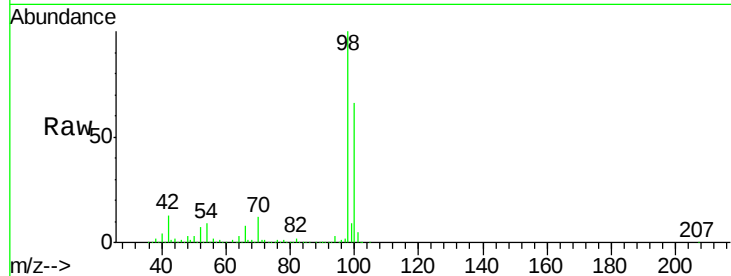
100 65.9 52.3 78.5

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Abundance Ion 98.00 (97.70 to 98.70): VX016949.D (-1241) (-)

Ion 100.00 (99.70 to 100.70): VX016949.D (-1241) (-)

200000

150000

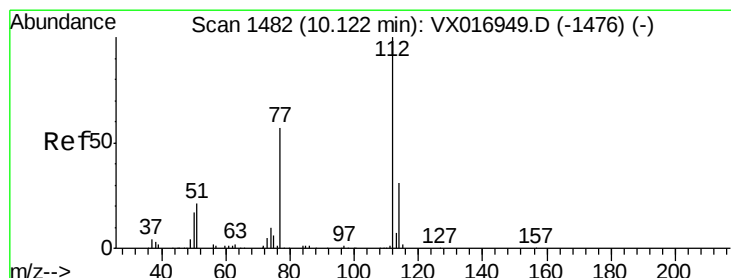
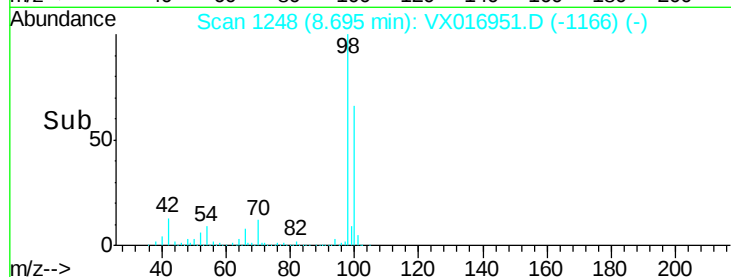
100000

50000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#64

Chlorobenzene

Concen: 101.889 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016951.D

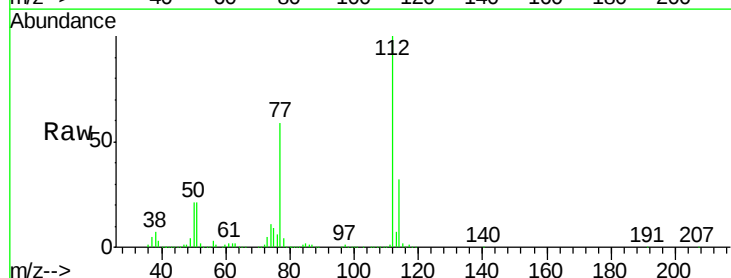
Acq: 25 Jun 2020 13:49

Tgt Ion: 112 Resp: 712022

Ion Ratio Lower Upper

112 100

114 31.8 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): VX016949.D (-1476) (-)

Ion 114.00 (113.70 to 114.70): VX016949.D (-1476) (-)

600000

500000

400000

300000

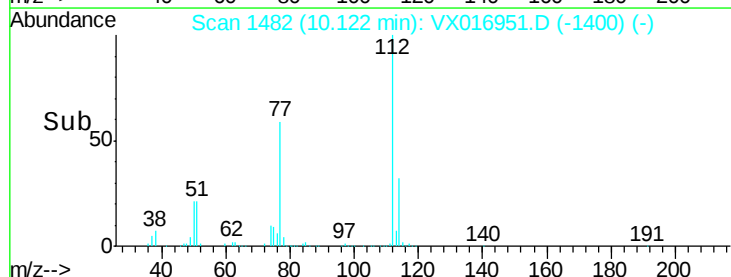
200000

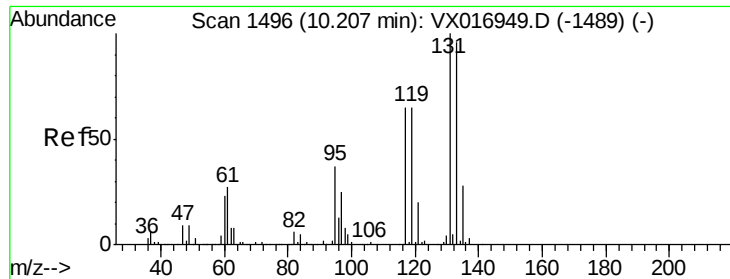
100000

0

10.05 10.10 10.15 10.20

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 104.525 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

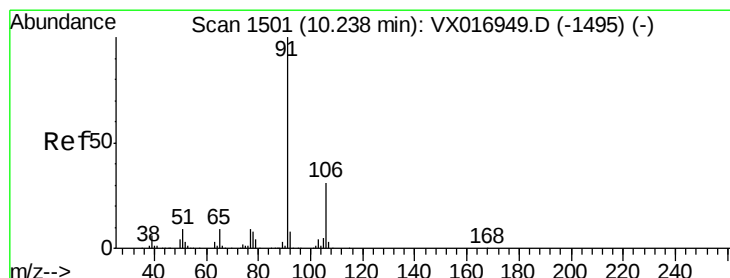
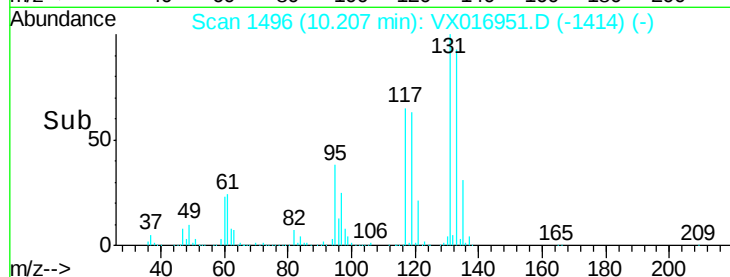
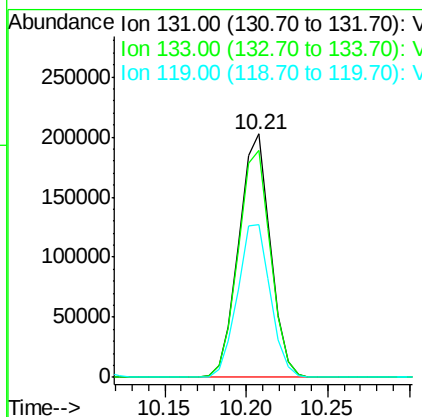
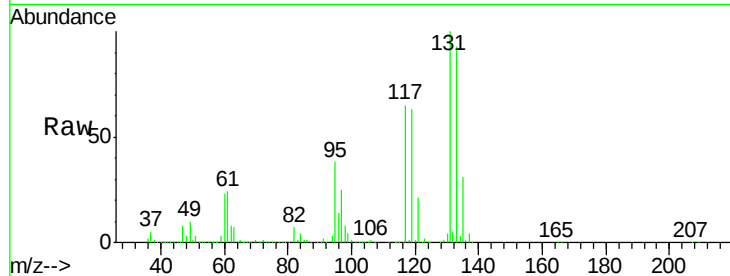
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	274982
Ion Ratio		Lower	Upper
131	100		
133	95.1	0.0	190.2
119	64.9	0.0	133.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 103.977 ug/l

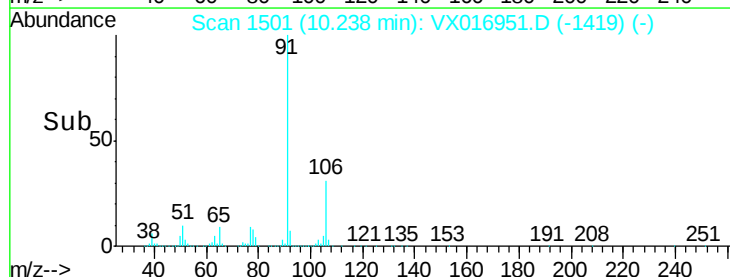
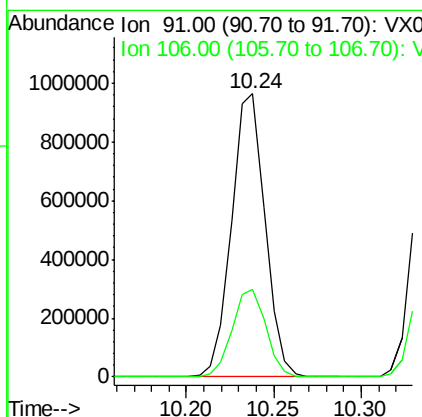
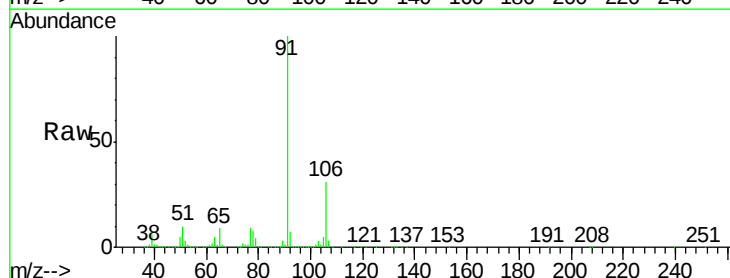
RT: 10.24 min Scan# 1501

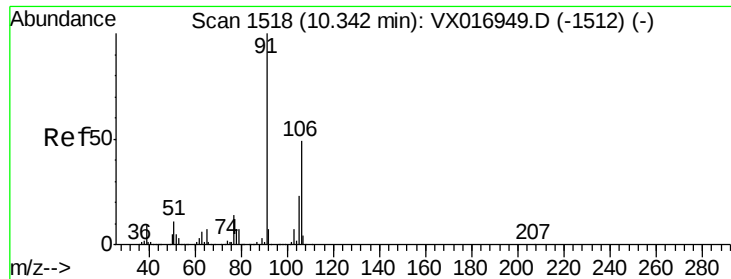
Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Tgt Ion:	91	Resp:	1286171
Ion Ratio		Lower	Upper
91	100		
106	31.1	24.8	37.2





#67

m/p-Xylenes

Concen: 207.645 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 968932

Ion Ratio Lower Upper

106 100

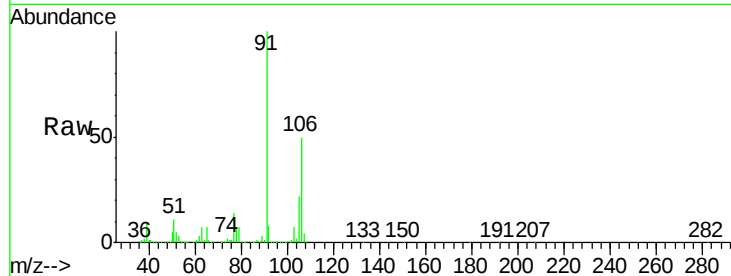
91 205.6 164.5 246.7

Manual Integrations

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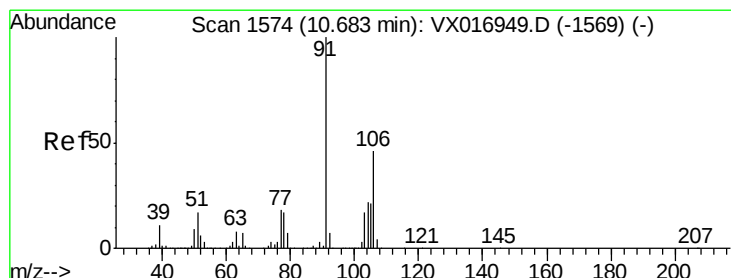
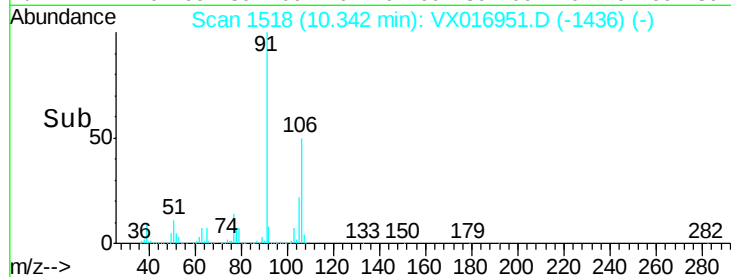
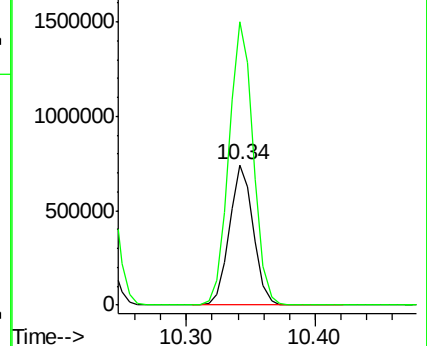
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 104.504 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX016951.D

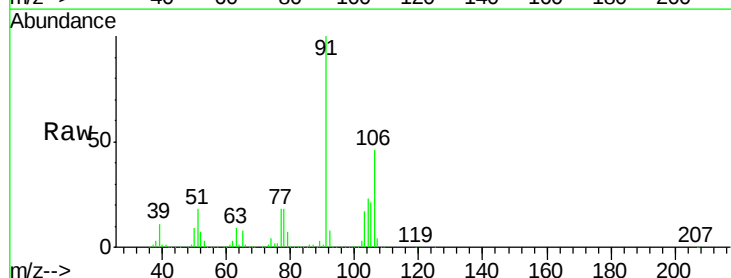
Acq: 25 Jun 2020 13:49

Tgt Ion:106 Resp: 468427

Ion Ratio Lower Upper

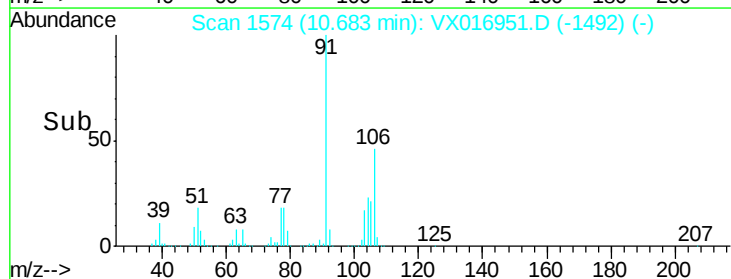
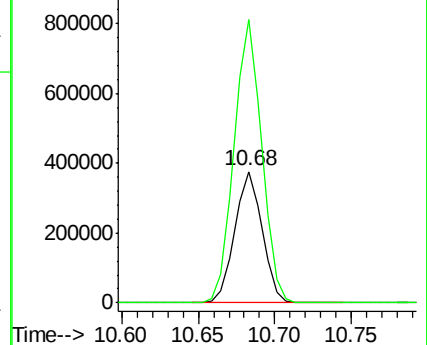
106 100

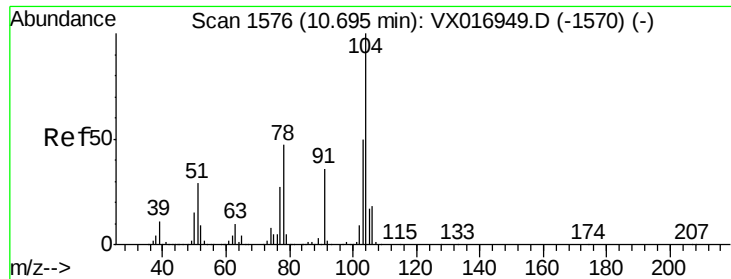
91 216.0 107.3 321.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





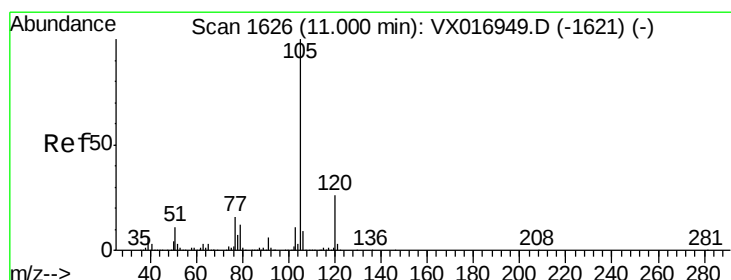
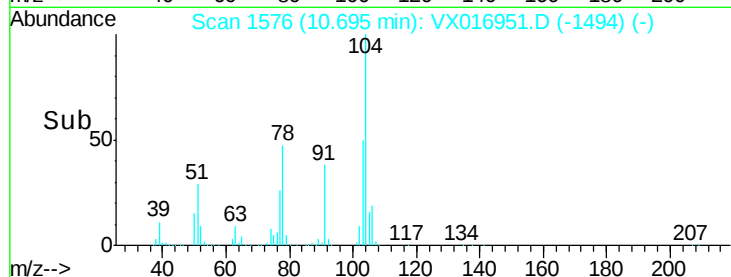
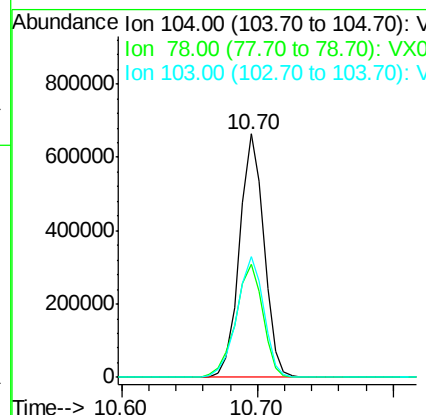
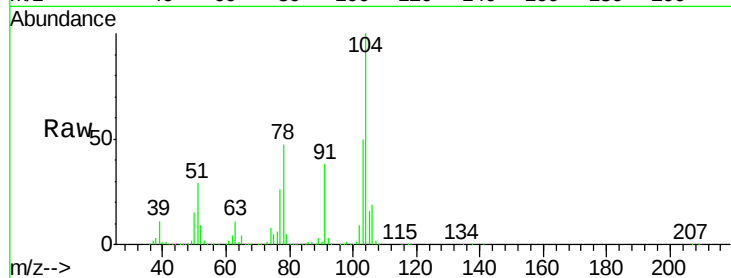
#69
Stvrene
Concen: 107.992 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.0	42.6	64.0
103	54.6	44.1	66.1

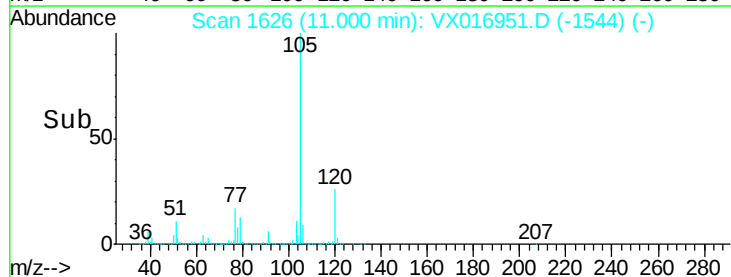
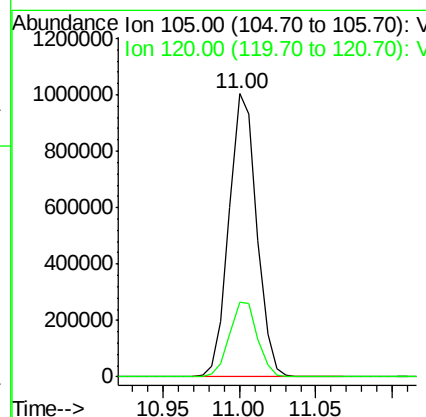
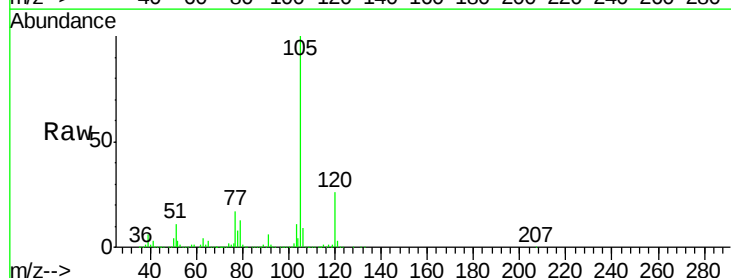
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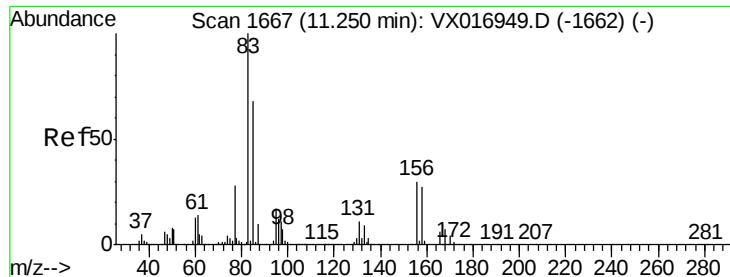
MMDadoda
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#70
Isopropylbenzene
Concen: 103.783 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.0	35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 103.655 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 387021
Ion Ratio Lower Upper

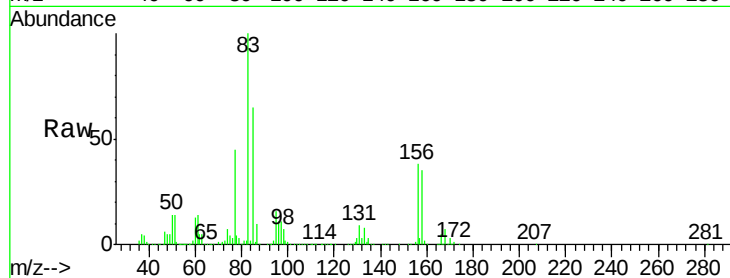
83 100

131 10.1 5.2 15.6

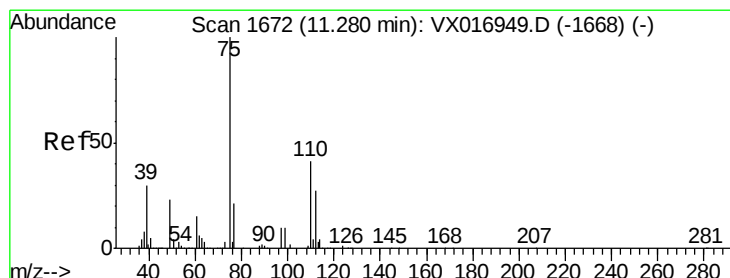
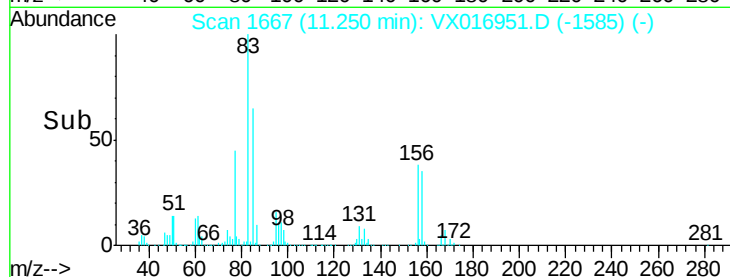
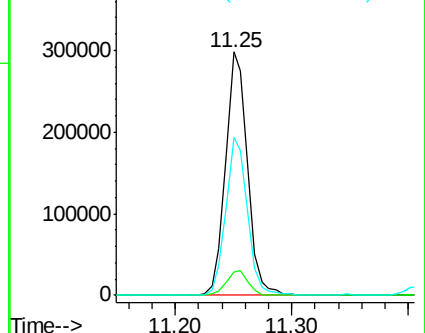
85 64.2 33.1 99.3

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Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 102.592 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

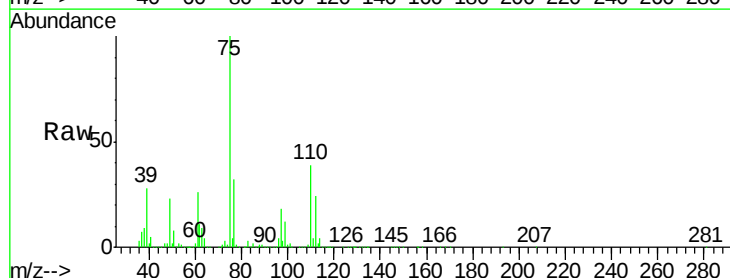
Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

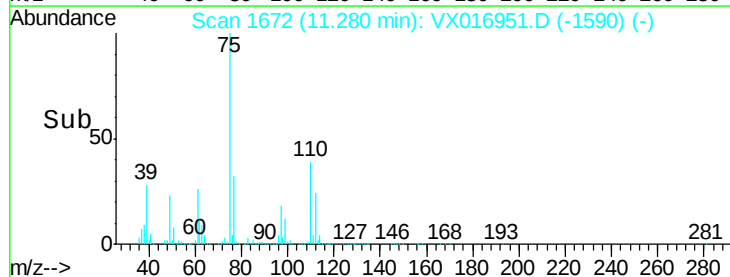
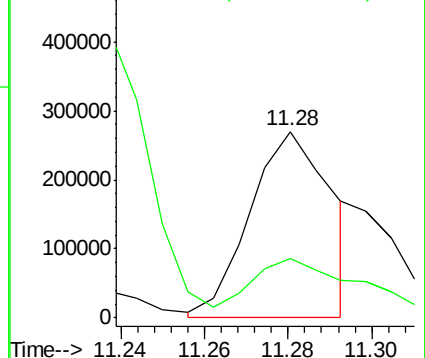
Tgt Ion: 75 Resp: 367853
Ion Ratio Lower Upper

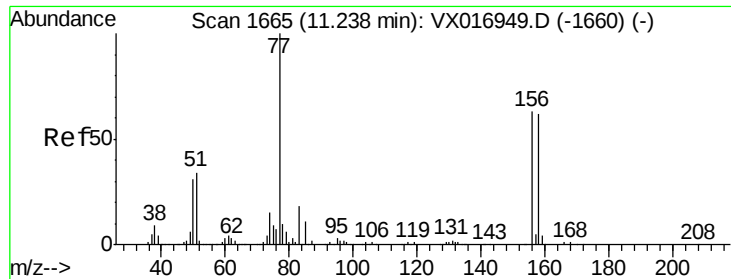
75 100

77 42.6 0.0 77.2



Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 105.590 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

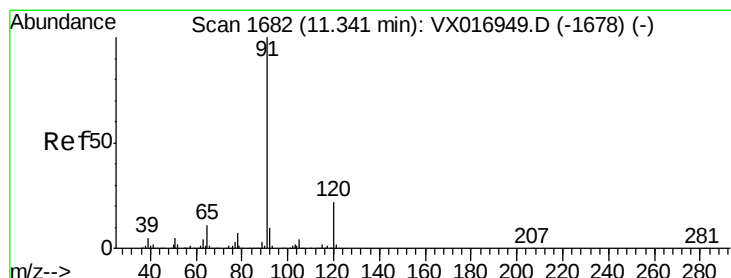
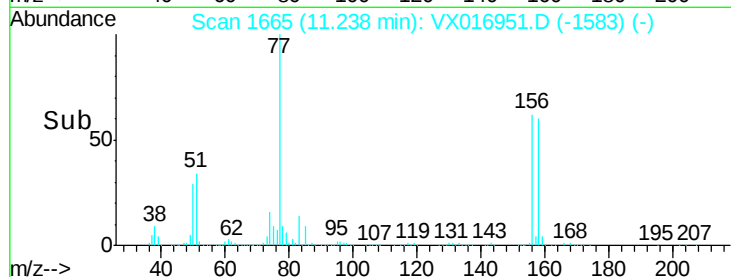
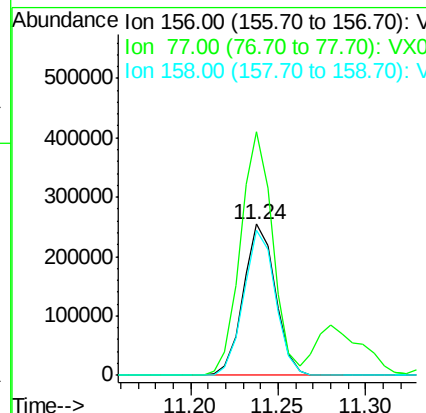
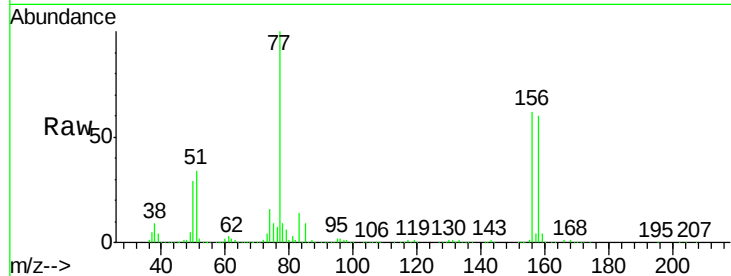
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.8	0.0	317.2
158	95.3	0.0	188.4

Manual Integrations
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#74

n-propylbenzene

Concen: 106.030 ug/l

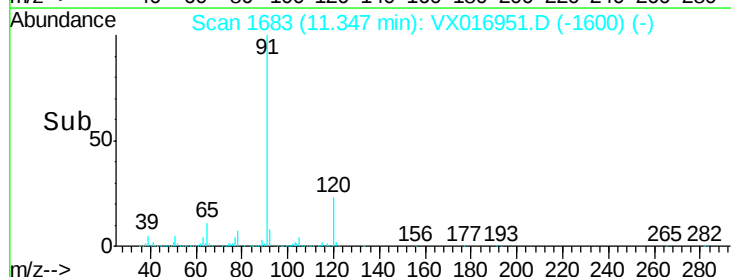
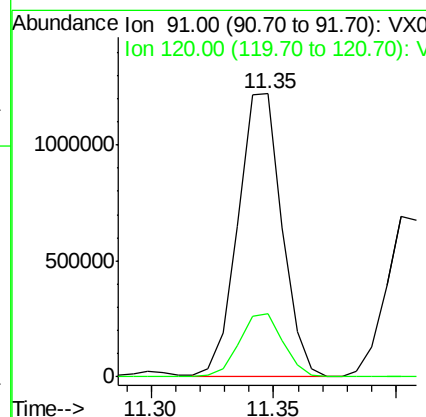
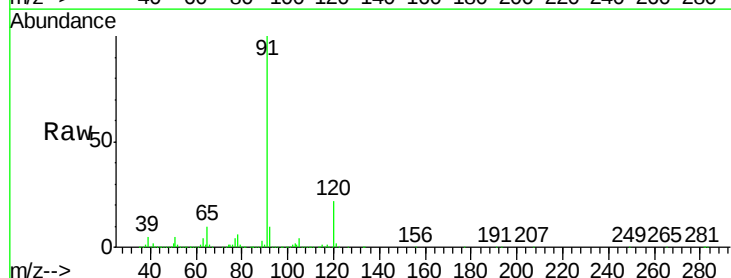
RT: 11.35 min Scan# 1683

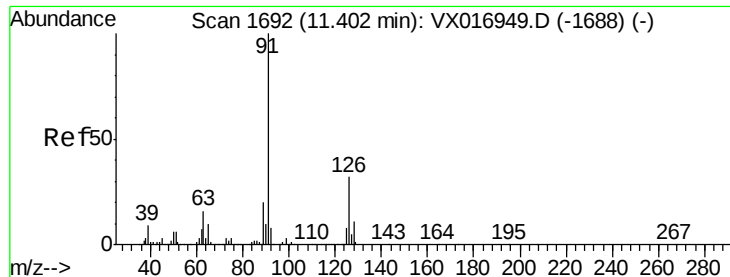
Delta R.T. 0.01 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	45.6





#75

2-Chlorotoluene

Concen: 105.522 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 888233

Ion Ratio Lower Upper

91 100

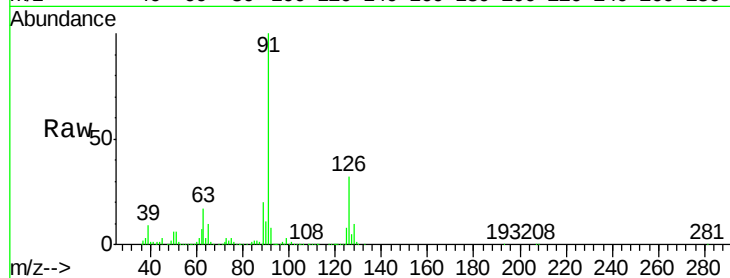
126 33.6 0.0 68.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX016949.D (-1688) (-)

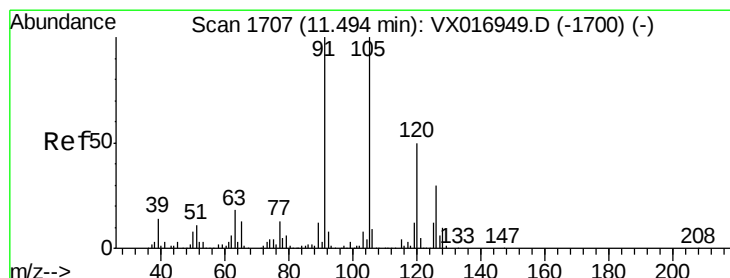
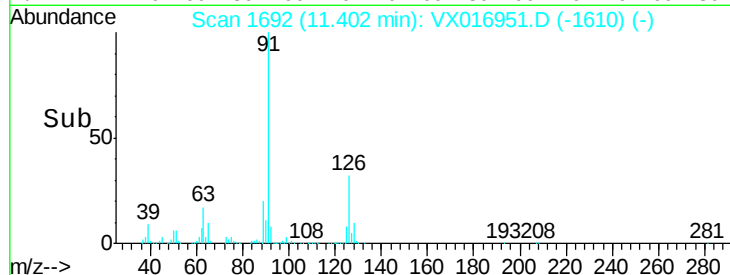
Ion 126.00 (125.70 to 126.70): VX016949.D (-1688) (-)

1000000

500000

0

Time--> 11.35 11.40 11.45



#76

1,3,5-Trimethylbenzene

Concen: 106.870 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016951.D

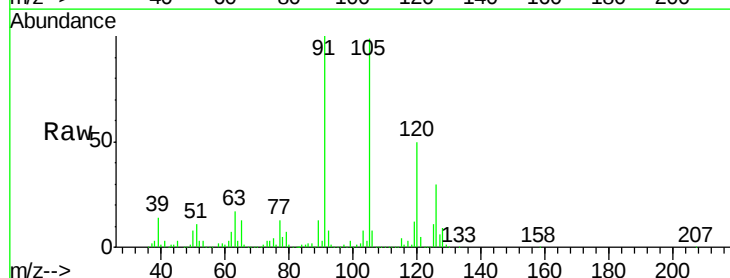
Acq: 25 Jun 2020 13:49

Tgt Ion: 105 Resp: 1090588

Ion Ratio Lower Upper

105 100

120 49.2 0.0 99.4



Abundance Ion 105.00 (104.70 to 105.70): VX016949.D (-1700) (-)

Ion 120.00 (119.70 to 120.70): VX016949.D (-1700) (-)

1000000

800000

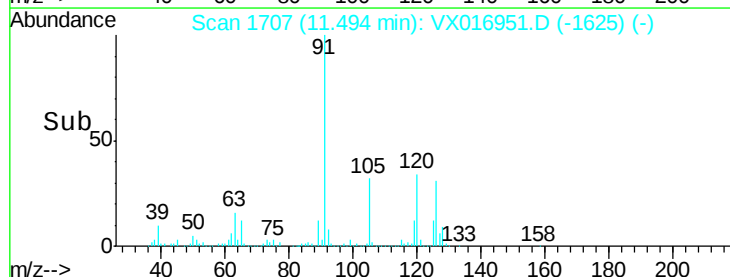
600000

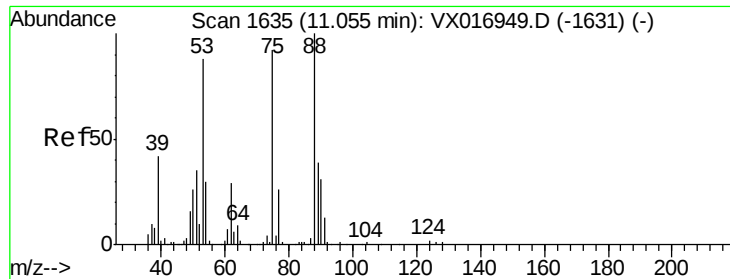
400000

200000

0

Time--> 11.45 11.50





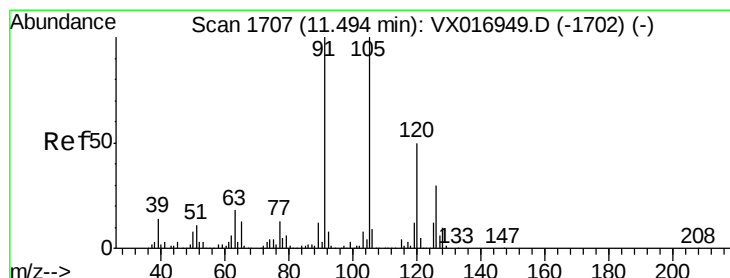
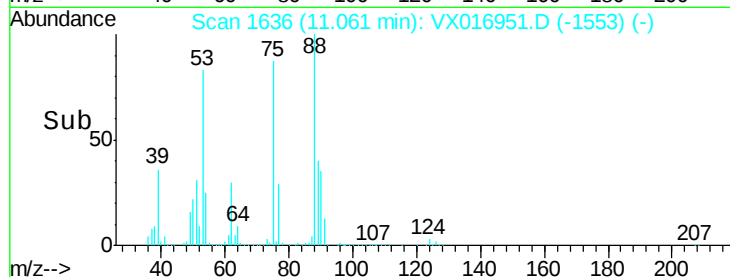
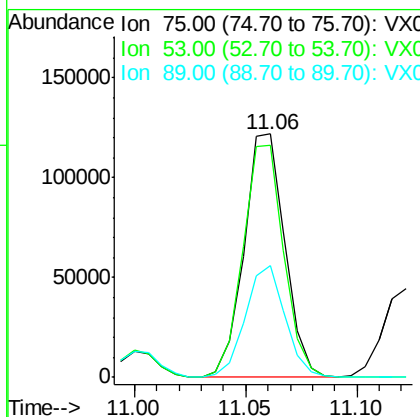
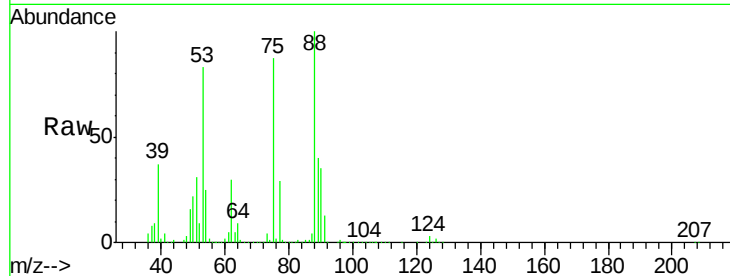
#77
t-1,4-Dichloro-2-butene
Concen: 107.391 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.4	47.6	142.9
89	46.0	21.1	63.4

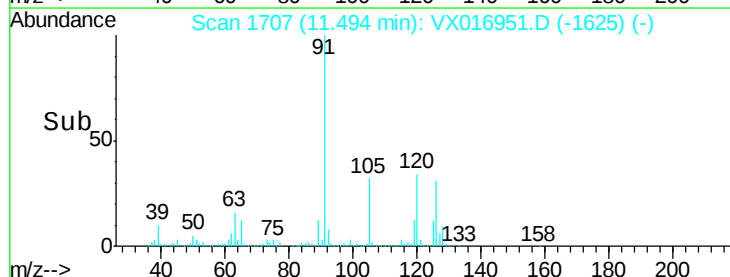
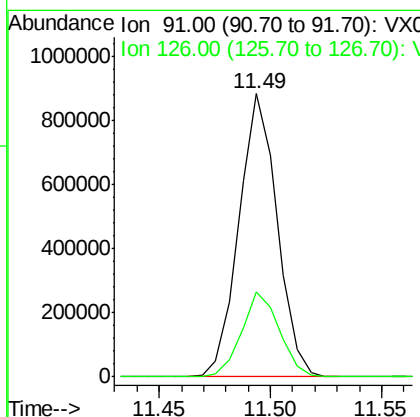
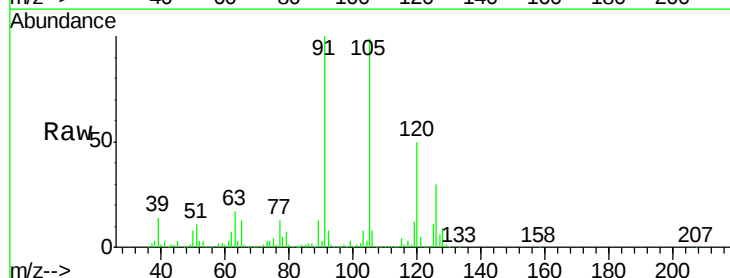
Manual Integrations
APPROVED

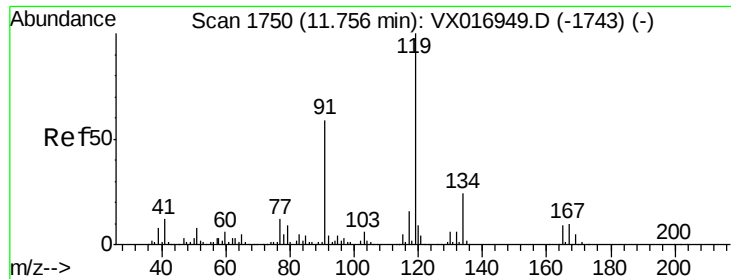
MMDadoda
6/26/2020 3:33:52 PM



#78
4-Chlorotoluene
Concen: 105.639 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.6	0.0	60.6





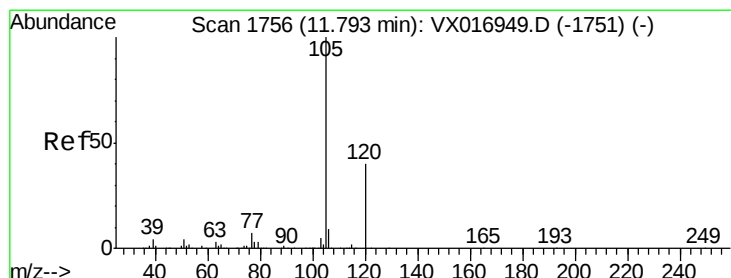
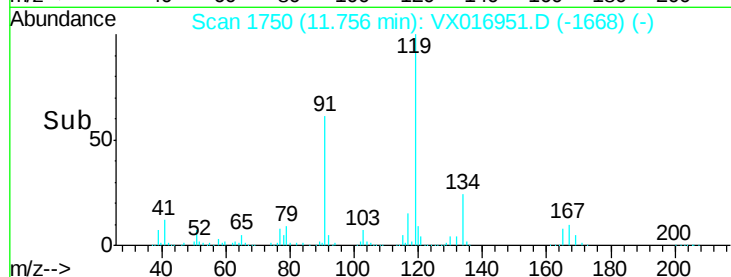
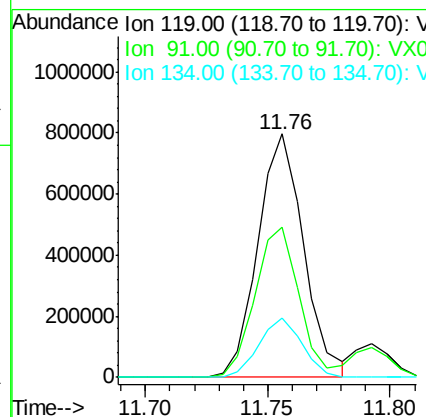
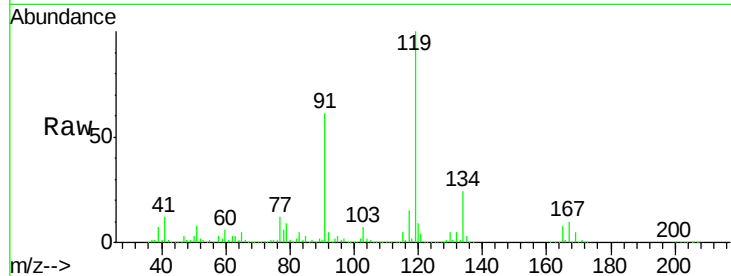
#79
tert-butylbenzene
Concen: 106.605 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.0	0.0	115.2
134	23.3	0.0	45.8

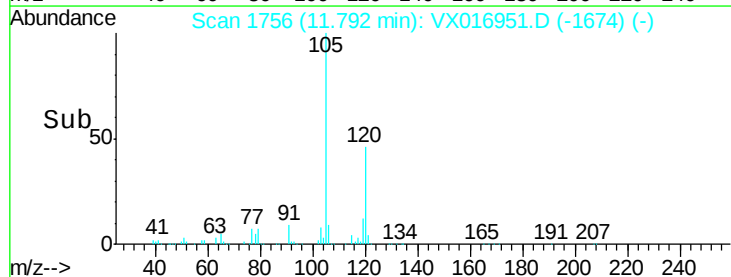
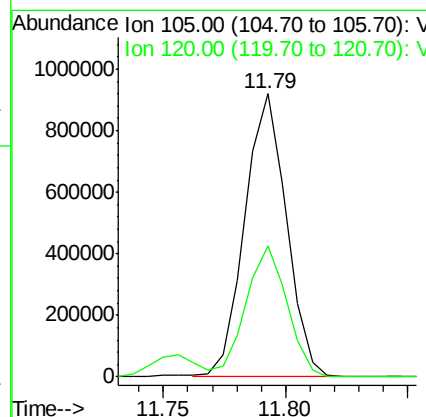
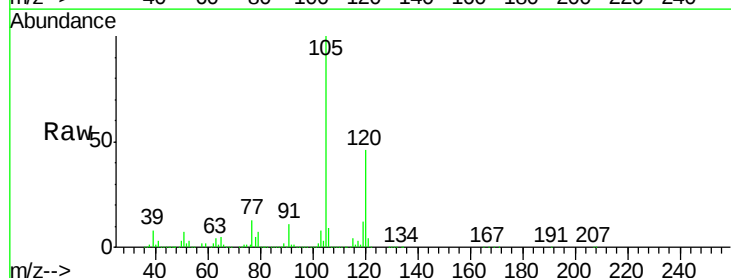
Manual Integrations
APPROVED

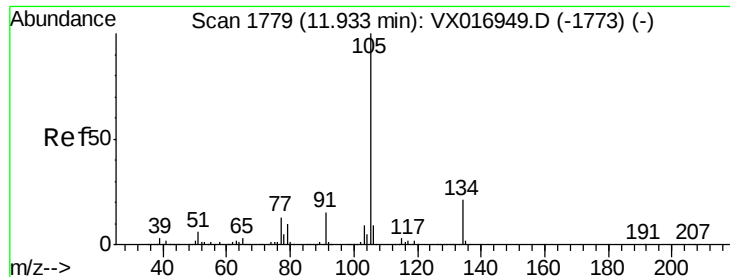
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 106.027 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	0.0	89.8





#81

sec-Butylbenzene

Concen: 106.443 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1259854

Ion Ratio Lower Upper

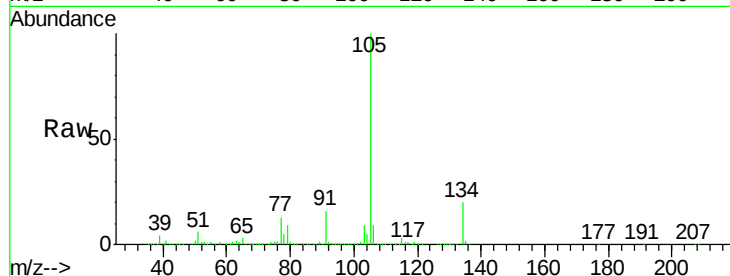
105 100

134 19.9 0.0 41.2

Manual Integrations
APPROVED

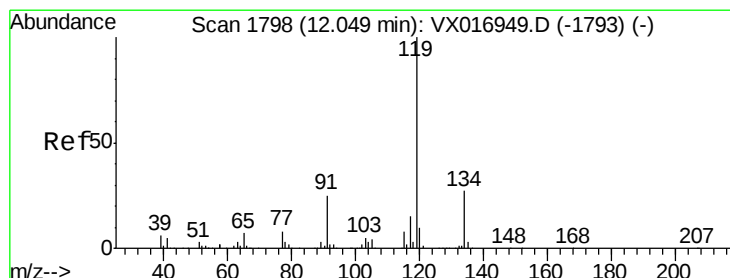
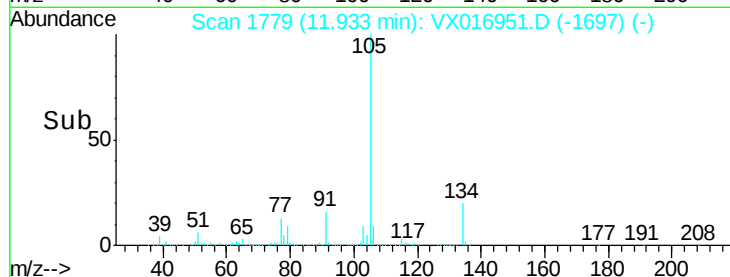
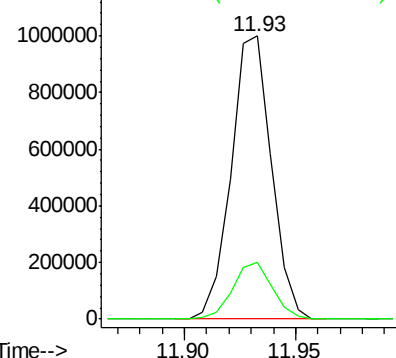
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 106.364 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016951.D

Acq: 25 Jun 2020 13:49

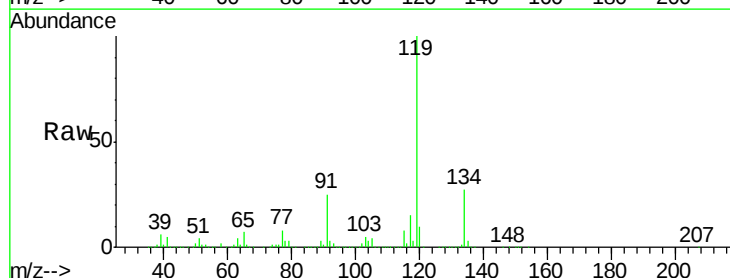
Tgt Ion:119 Resp: 1136706

Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.0

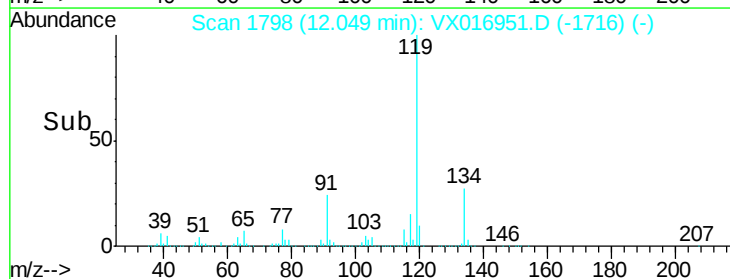
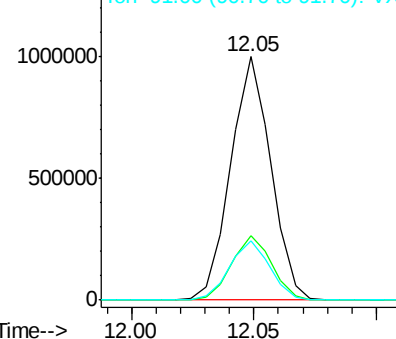
91 24.5 0.0 49.0

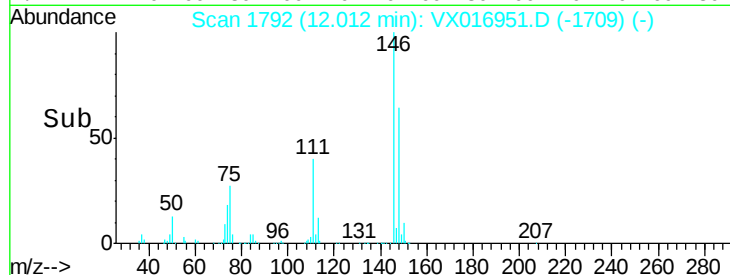
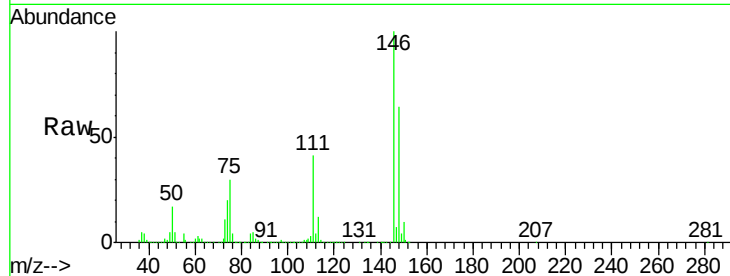
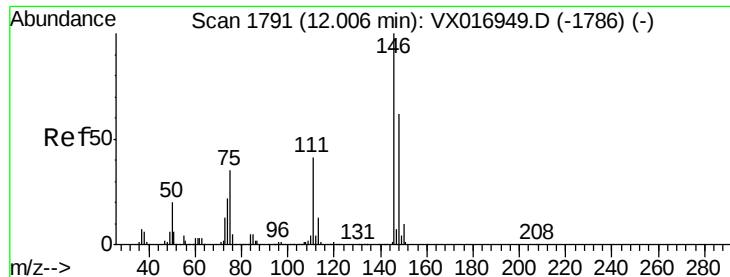


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





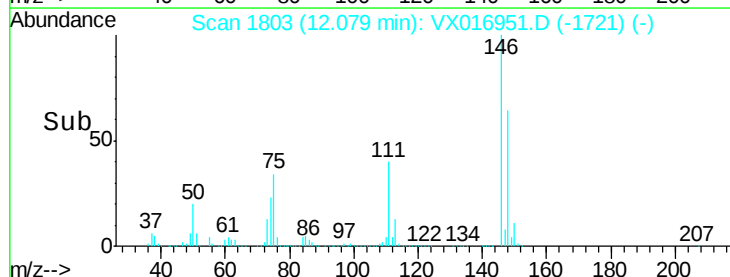
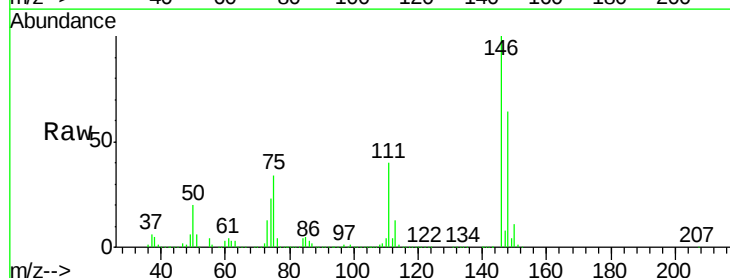
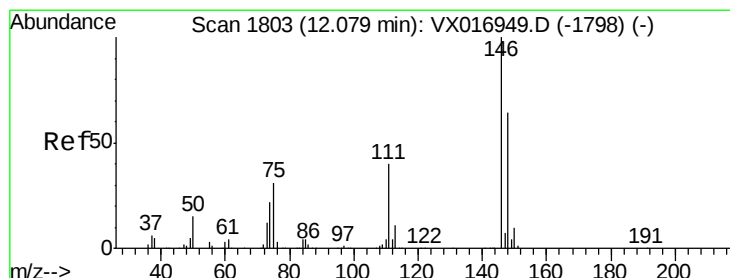
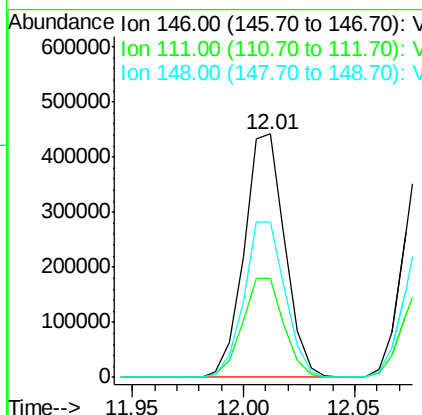
#83
1,3-Dichlorobenzene
Concen: 102.265 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.5	58.5
148	64.5	31.8	95.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

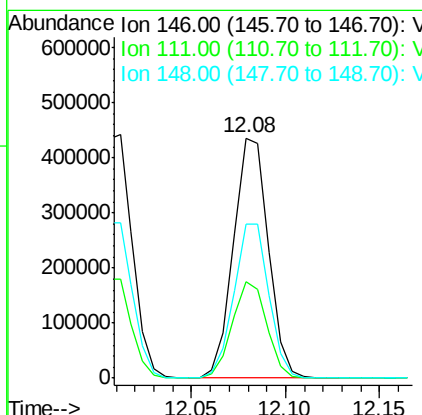
Manual Integrations
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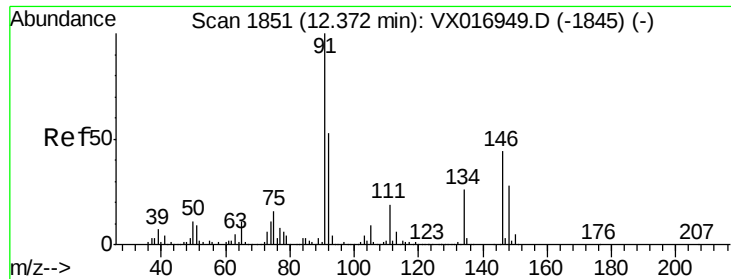
MMDadoda
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#84
1,4-Dichlorobenzene
Concen: 101.514 ug/l
RT: 12.08 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.2
148	64.2	32.1	96.3





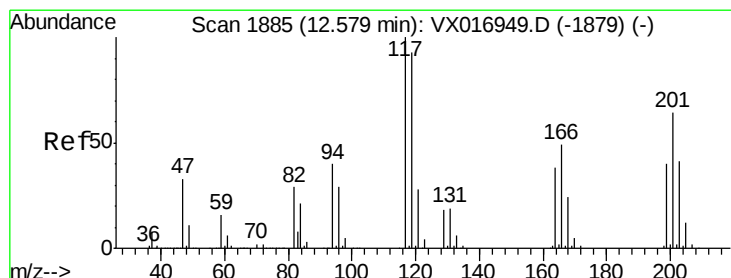
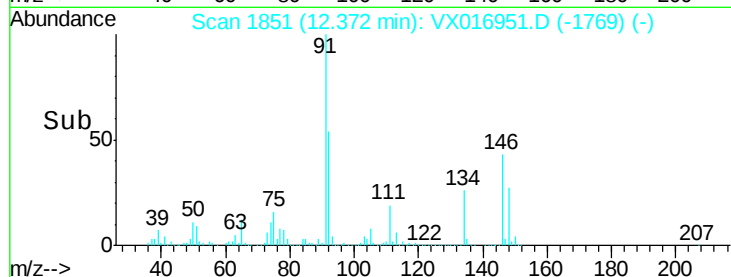
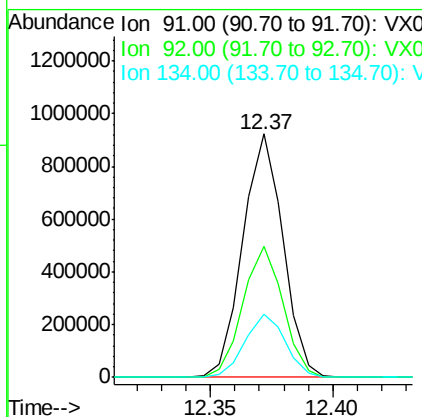
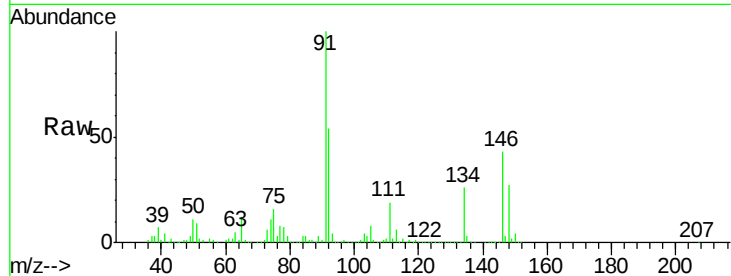
#85
n-Butylbenzene
Concen: 106.453 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1053026
Ion Ratio Lower Upper
91 100
92 53.7 0.0 105.8
134 26.1 0.0 52.2

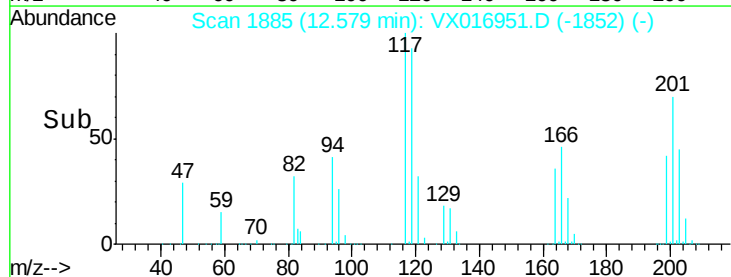
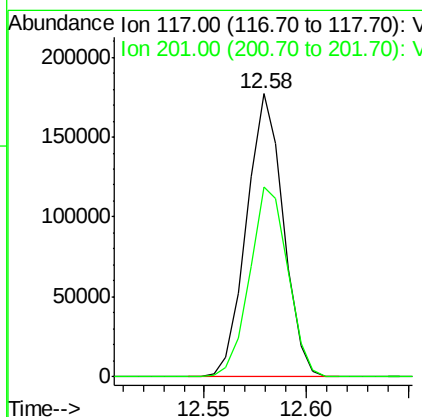
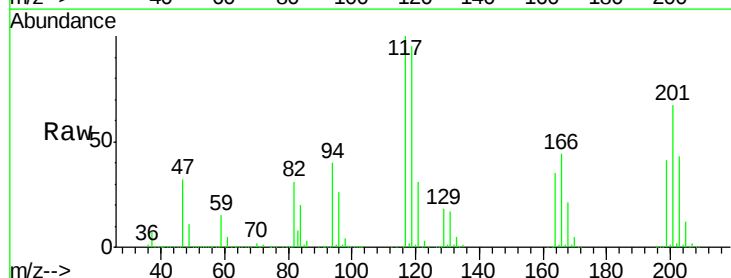
Manual Integrations
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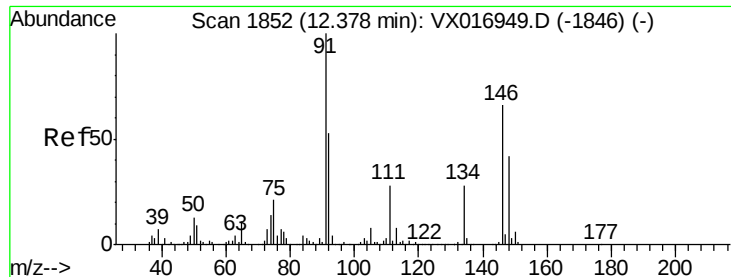
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#86
Hexachloroethane
Concen: 105.749 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion: 117 Resp: 221167
Ion Ratio Lower Upper
117 100
201 70.0 34.6 103.9





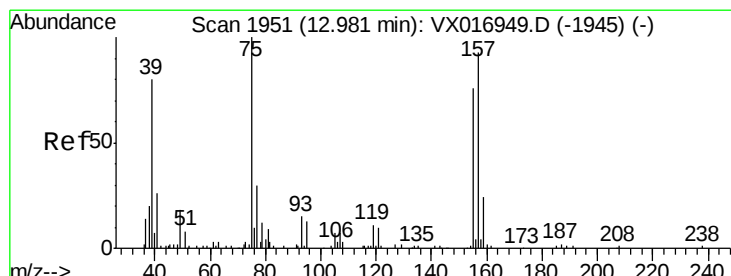
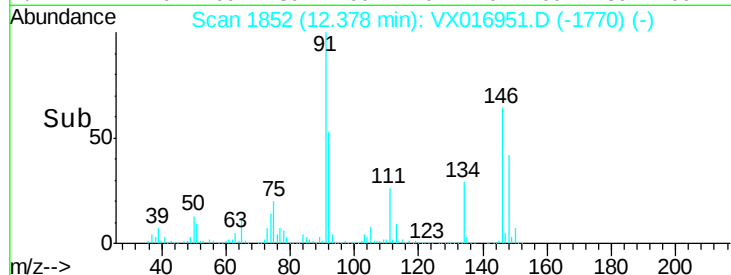
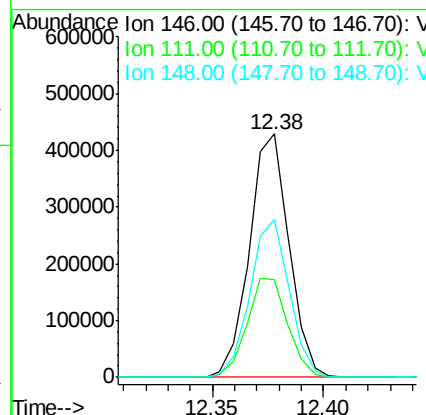
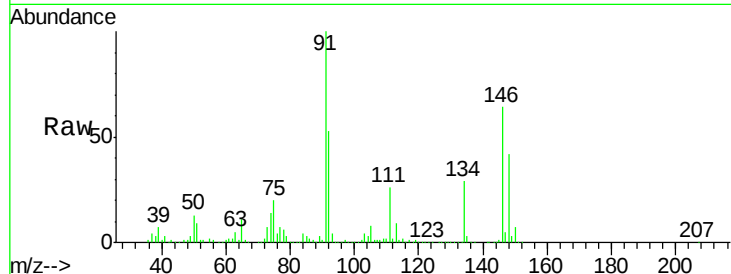
#87
 1,2-Dichlorobenzene
 Concen: 103.658 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016951.D
 Acq: 25 Jun 2020 13:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.1	63.1
148	64.4	32.1	96.3

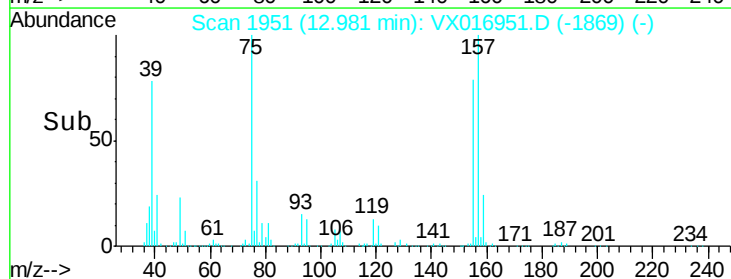
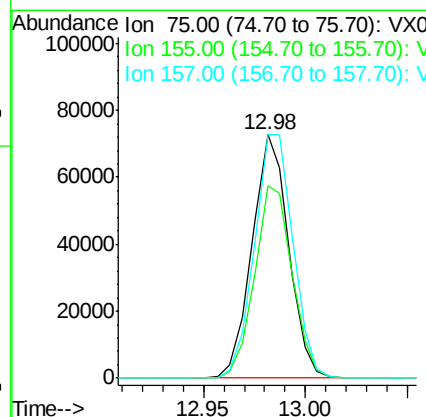
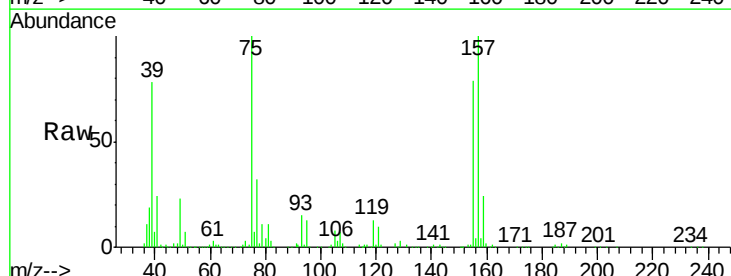
Manual Integrations
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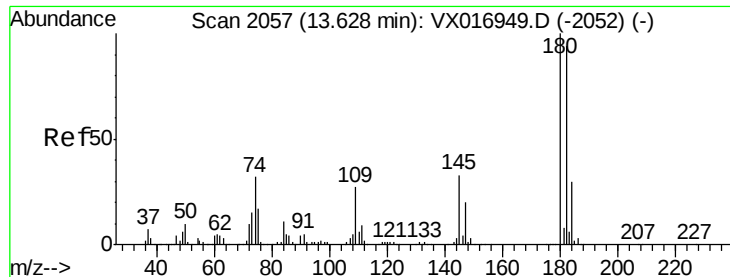
MMDadoda
 6/26/2020 3:33:52 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 106.989 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016951.D
 Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	65.0	97.6
157	105.6	83.0	124.4





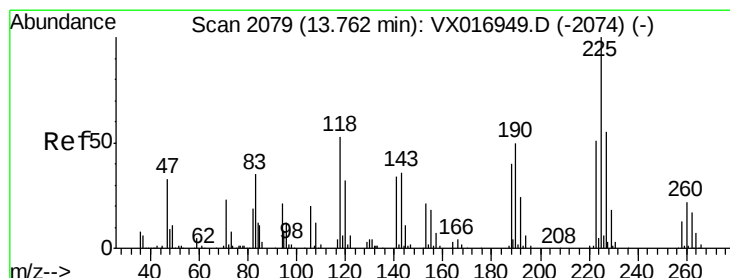
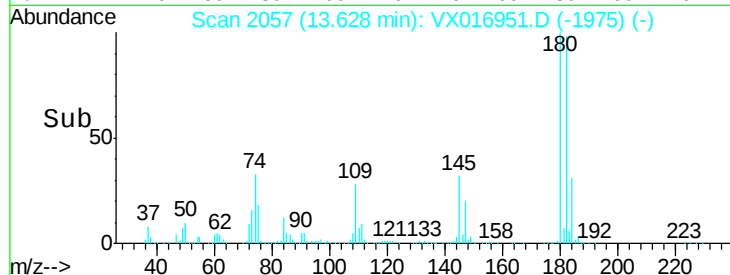
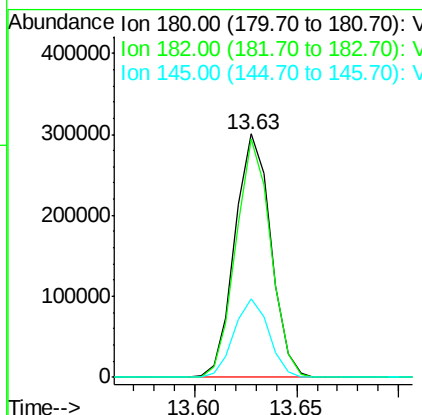
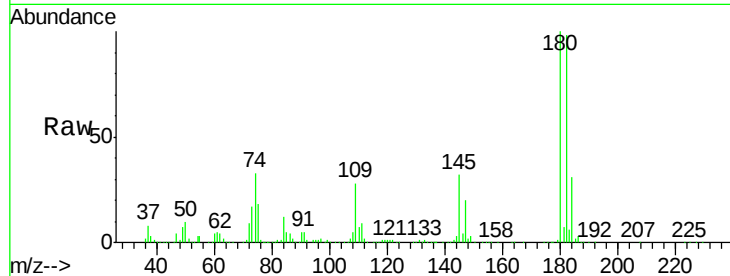
#89
 1,2,4-Trichlorobenzene
 Concen: 105.506 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016951.D
 Acq: 25 Jun 2020 13:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.7	116.5
145	31.4	26.2	39.2

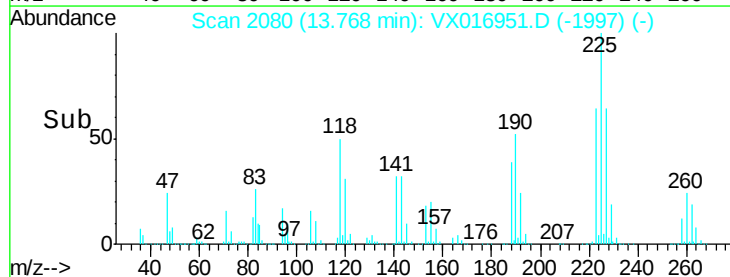
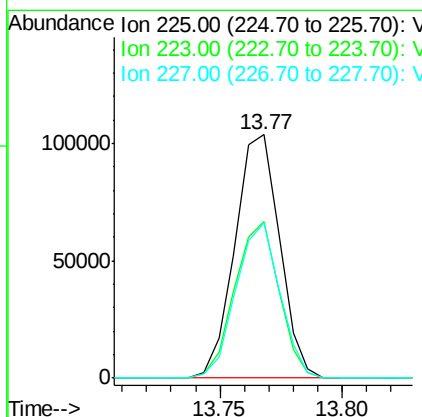
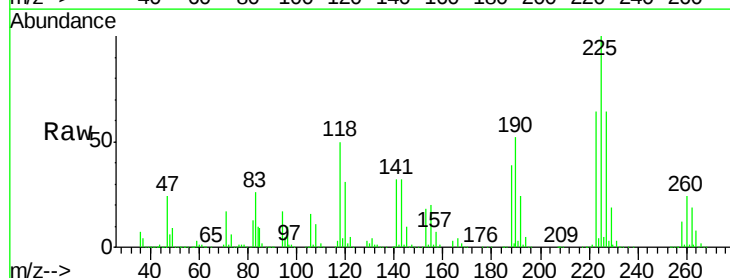
Manual Integrations
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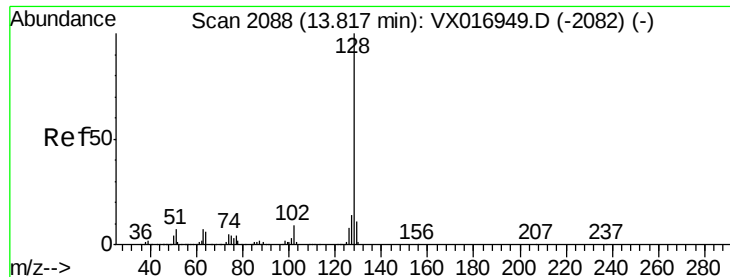
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#90
 Hexachlorobutadiene
 Concen: 100.431 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX016951.D
 Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	125.0
227	62.3	0.0	124.0





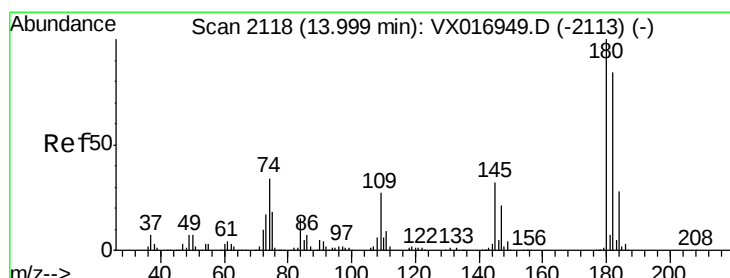
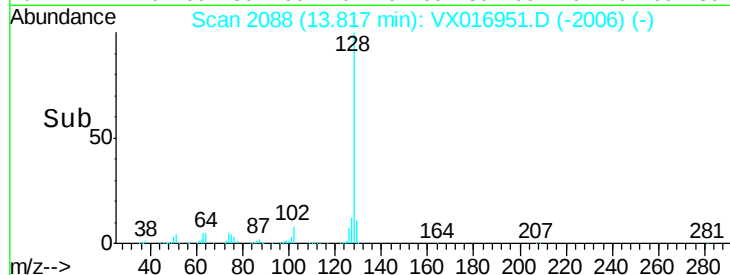
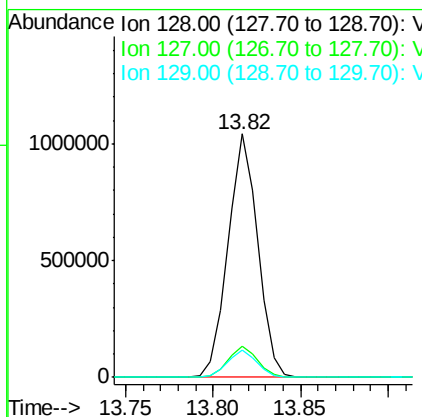
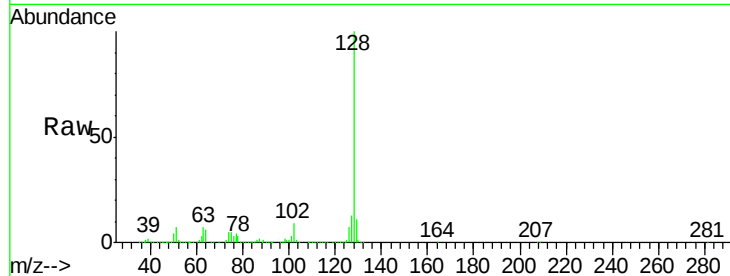
#91
Naphthalene
Concen: 107.684 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	11.0	9.0	13.4

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 103.865 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX016951.D
Acq: 25 Jun 2020 13:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	0.0	184.8
145	33.4	0.0	68.0

