

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017302.D
 Acq On : 09 Jul 2020 12:00
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 12:36:39 PM

Quant Time: Jul 09 12:24:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 11:39:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	50062	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	259738	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	261006	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	110218	28.75	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.83%
60) 4-Bromofluorobenzene	11.12	95	134719	30.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.30%
63) Toluene-d8	8.70	98	315548	27.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	266342	109.493	ug/l 98
3) Chloromethane	1.31	50	357372	115.760	ug/l 98
4) Vinyl Chloride	1.39	62	342692	108.656	ug/l 97
5) Bromomethane	1.62	94	206741	91.956	ug/l 97
6) Chloroethane	1.70	64	230792	112.468	ug/l 97
7) Trichlorofluoromethane	1.91	101	553049	105.035	ug/l 96
8) Diethyl Ether	2.17	74	228684	120.707	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	291479	104.113	ug/l 99
10) 1,1-Dichloroethene	2.35	96	329649	120.473	ug/l 95
11) Methyl Iodide	2.49	142	503005	138.927	ug/l 99
12) Methyl Acetate	2.75	43	503796	142.850	ug/l 99
13) Acrolein	2.28	56	349214	640.027	ug/l 97
14) Acrylonitrile	3.12	53	1147153	696.166	ug/l 100
15) Acetone	2.42	58	293098	692.978	ug/l 98
16) Carbon Disulfide	2.54	76	906765	106.590	ug/l 99
17) Allyl chloride	2.70	41	650263	127.985	ug/l 94
18) Methylene Chloride	2.83	84	414763	125.042	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	387664	123.080	ug/l 96
20) Diisopropyl ether	3.82	45	1278379	124.228	ug/l 97
21) 1,1-Dichloroethane	3.67	63	711412	125.517	ug/l 96
22) cis-1,2-Dichloroethene	4.56	96	463530	132.874	ug/l 98
23) tert-Butyl Alcohol	3.03	59	491478	682.682	ug/l # 99
24) Methyl tert-Butyl Ether	3.17	73	1360821	137.753	ug/l 100
25) Chloroform	5.18	83	766788	132.229	ug/l 94
26) Cyclohexane	5.54	56	493599	101.070	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	513118	125.154	ug/l 99
30) 2-Butanone	4.64	43	1565732	731.513	ug/l 99
31) 2,2-Dichloropropane	4.55	77	631475	133.048	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	673326	134.245	ug/l 97
33) Carbon Tetrachloride	5.76	117	595212	132.924	ug/l 97
34) Benzene	6.11	78	1594403	133.777	ug/l 98
35) Methacrylonitrile	5.01	41	353336	149.682	ug/l 98
36) 1,2-Dichloroethane	6.17	62	642699	139.941	ug/l 99
37) Trichloroethene	7.19	130	467037	141.305	ug/l 99
38) Methylcyclohexane	7.44	83	490087	105.774	ug/l 98
39) 1,2-Dichloropropane	7.49	63	427550	137.416	ug/l 97
40) Dibromomethane	7.63	93	308606	143.384	ug/l 99

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Manual Integrations
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Quant Time: Jul 09 12:24:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	653025	146.449	ug/l	99
42) Vinyl Acetate	3.79	43	5852231	684.055	ug/l	100
43) Ethyl Acetate	4.80	43	609923	138.358	ug/l	100
44) Isopropyl Acetate	6.42	43	1044716	143.923	ug/l	99
45) 1,4-Dioxane	7.72	88	204857	2861.394	ug/l	95
46) Methyl methacrylate	7.74	41	523153	154.599	ug/l	98
47) n-amyl Acetate	10.88	43	963999	150.370	ug/l	97
48) t-1,3-Dichloropropene	9.02	75	750806	151.958	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	762279	147.061	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	457210	150.141	ug/l	99
51) Ethyl methacrylate	9.16	69	742258	161.340	ug/l	97
52) 1,3-Dichloropropane	9.35	76	762374	148.247	ug/l	100
53) Dibromochloromethane	9.57	129	584186	165.343	ug/l	98
54) 1,2-Dibromoethane	9.65	107	502331	155.514	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	1874720	773.533	ug/l	99
56) Bromoform	10.84	173	460908	180.909	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	3226625	691.806	ug/l	99
59) 2-Hexanone	9.48	43	2450594	702.553	ug/l	98
61) Tetrachloroethene	9.32	164	433819	129.831	ug/l	98
62) Toluene	8.77	91	1767231	127.456	ug/l	100
64) Chlorobenzene	10.12	112	1212099	138.114	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	508577	152.603	ug/l	98
66) Ethyl Benzene	10.24	91	2075680	134.908	ug/l	100
67) m/p-Xylenes	10.34	106	1597743	273.090	ug/l	98
68) o-Xylene	10.68	106	786125	141.271	ug/l	96
69) Styrene	10.70	104	1414786	146.726	ug/l	98
70) Isopropylbenzene	11.00	105	2044333	134.018	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	664935	141.432	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	633323m	140.139	ug/l	
73) Bromobenzene	11.24	156	601362	154.033	ug/l	98
74) n-propylbenzene	11.35	91	2362764	131.287	ug/l	99
75) 2-Chlorotoluene	11.40	91	1456606	137.124	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	1789004	139.209	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	267142	146.920	ug/l	89
78) 4-Chlorotoluene	11.49	91	1734883	138.206	ug/l	100
79) tert-butylbenzene	11.76	119	1725130	140.378	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	1791981	138.984	ug/l	99
81) sec-Butylbenzene	11.93	105	1936549	130.901	ug/l	100
82) p-Isopropyltoluene	12.05	119	1837712	136.566	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	1047129	149.293	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	1038432	147.404	ug/l	99
85) n-Butylbenzene	12.37	91	1538542	125.322	ug/l	99
86) Hexachloroethane	12.58	117	359596	137.383	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	1009011	153.325	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	170170	158.084	ug/l	96
89) 1,2,4-Trichlorobenzene	13.63	180	696755	156.587	ug/l	99
90) Hexachlorobutadiene	13.77	225	242092	140.305	ug/l	98
91) Naphthalene	13.82	128	2285891	159.493	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	690257	158.068	ug/l	98

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Instrument :
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ClientSampleId :
VSTDICC150

Manual Integrations
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QLast Update : Thu Jul 09 11:39:05 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

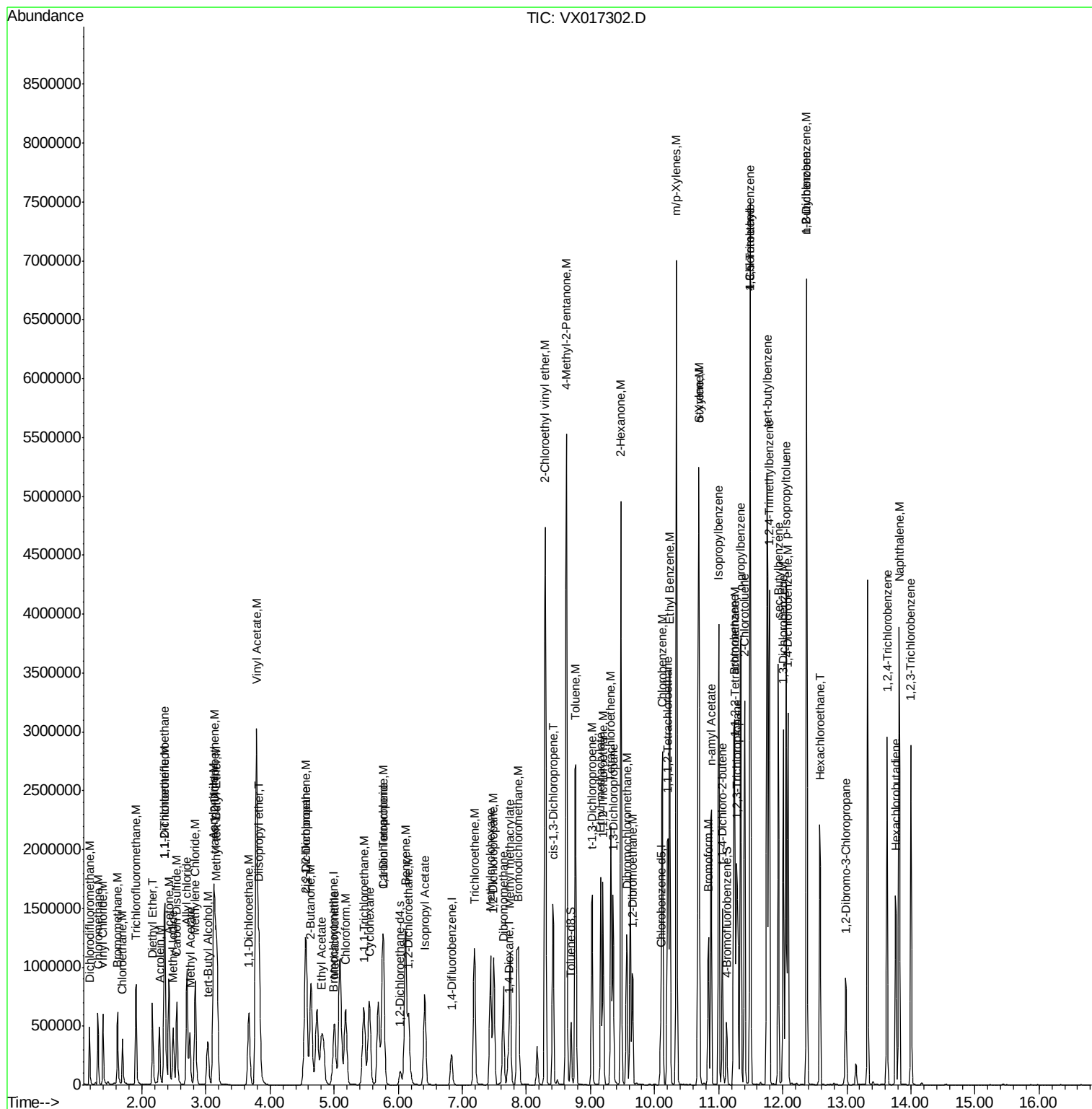
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070920\
Data File : VX017302.D
Acq On : 09 Jul 2020 12:00
Operator : JC/SP
Sample : VSTDIC150
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

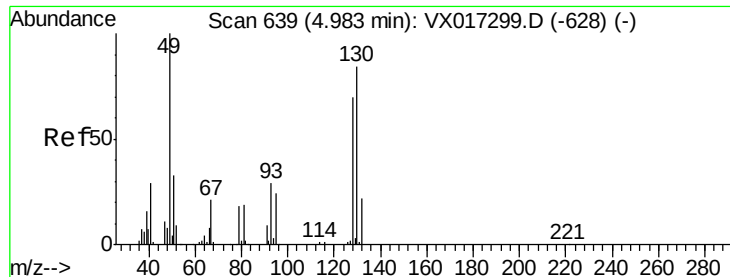
Instrument :
MSVOA_X
ClientSampleID :
VSTDIC150

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

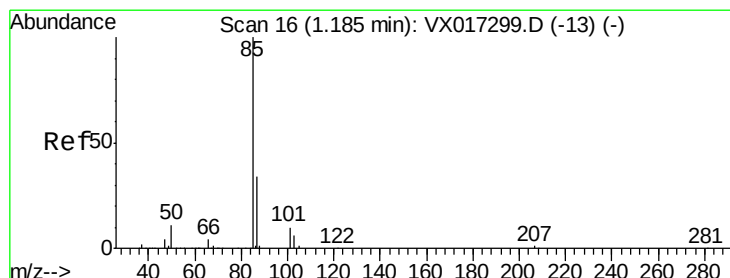
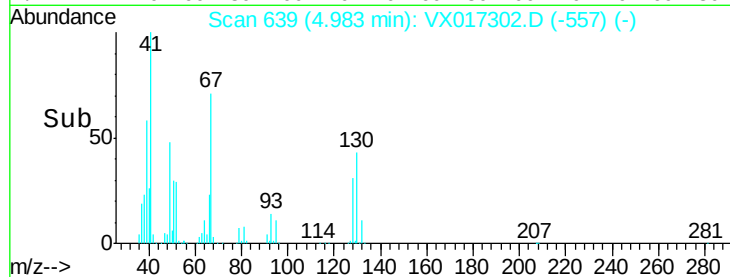
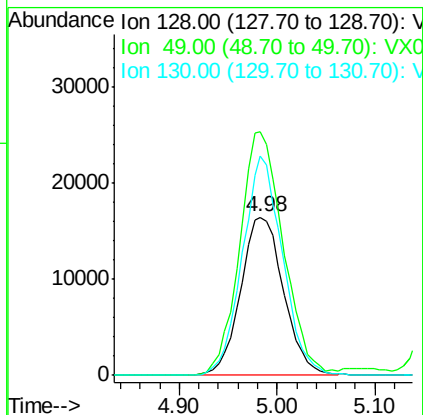
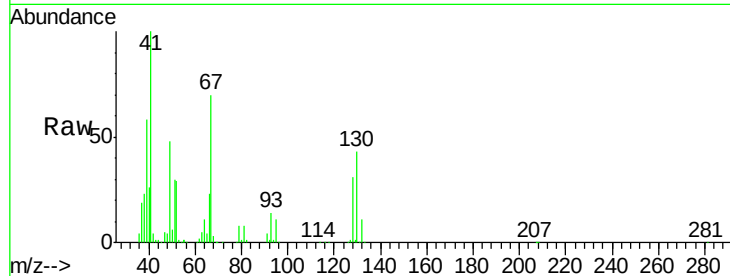
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	50062
Ion	Ratio	Lower	Upper
128	100		
49	156.6	0.0	358.8
130	130.7	0.0	323.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 109.493 ug/l

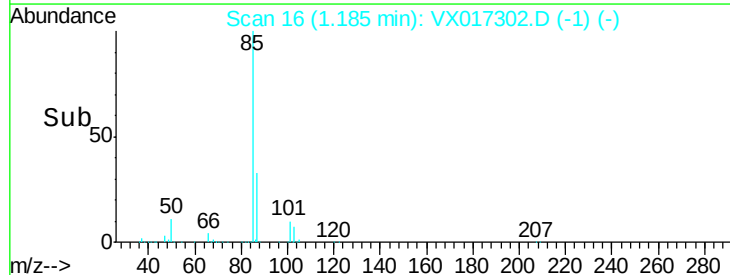
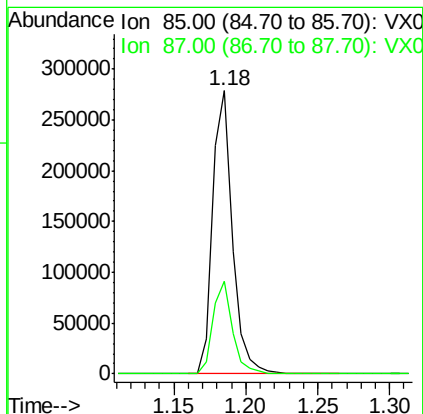
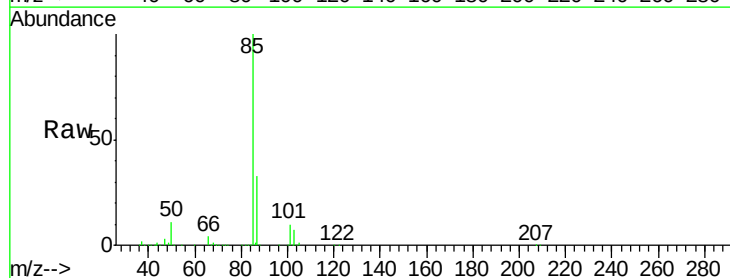
RT: 1.18 min Scan# 16

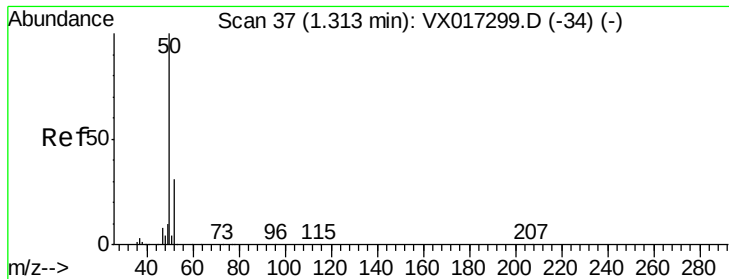
Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Tgt Ion:	85	Resp:	266342
Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.9	50.6





#3

Chloromethane

Concen: 115.760 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 357372

Ion Ratio Lower Upper

50 100

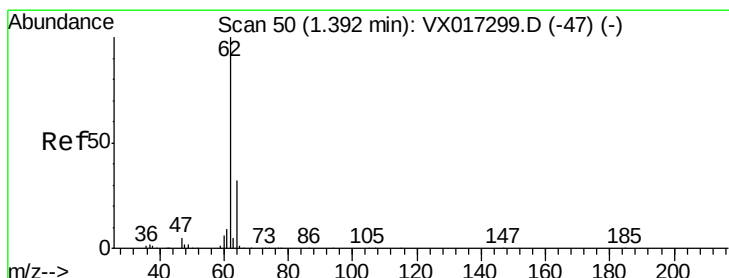
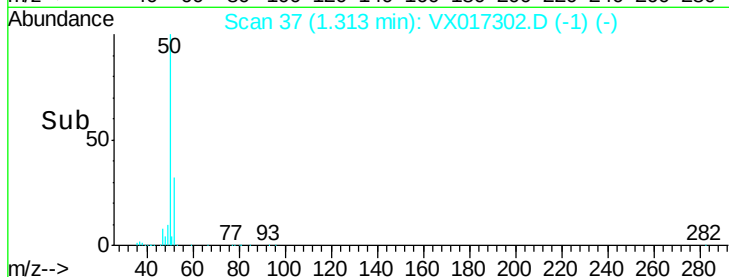
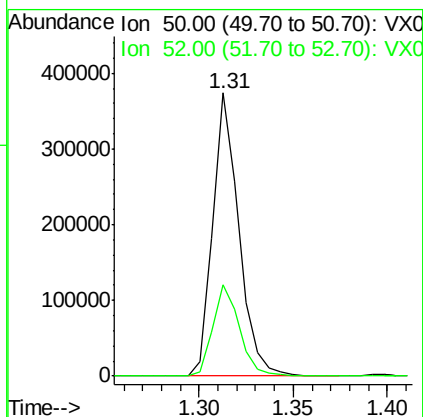
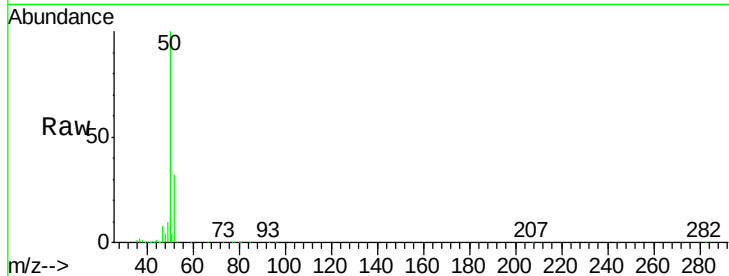
52 32.1 24.8 37.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 108.656 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017302.D

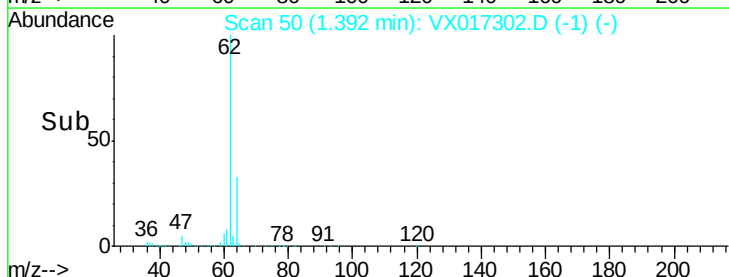
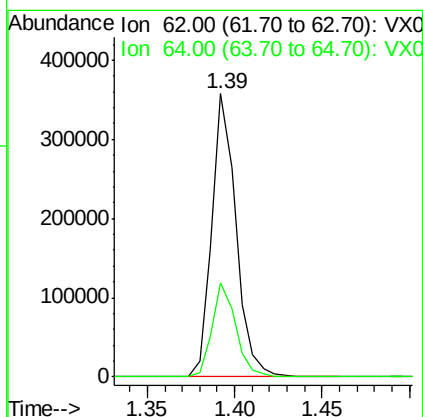
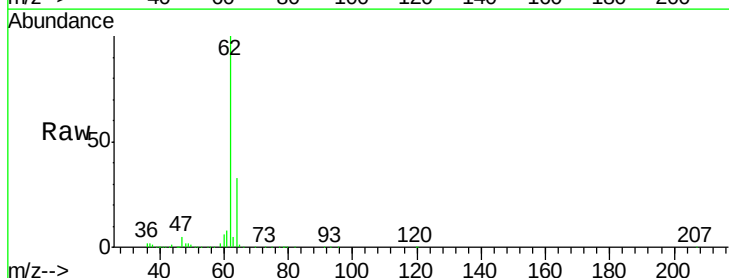
Acq: 09 Jul 2020 12:00

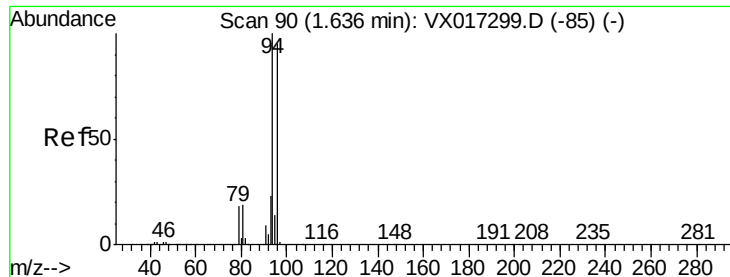
Tgt Ion: 62 Resp: 342692

Ion Ratio Lower Upper

62 100

64 33.0 25.3 37.9





#5

Bromomethane

Concen: 91.956 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.01 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 206741

Ion Ratio Lower Upper

94 100

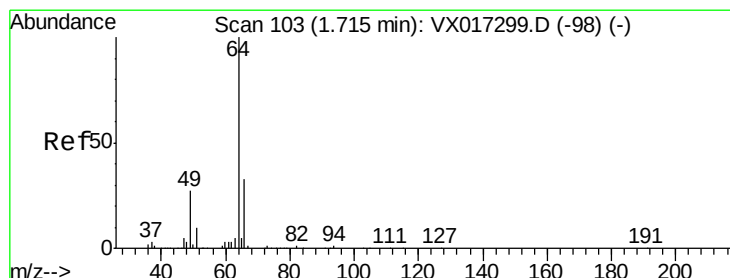
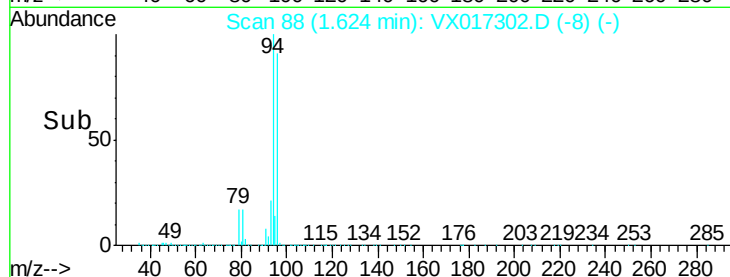
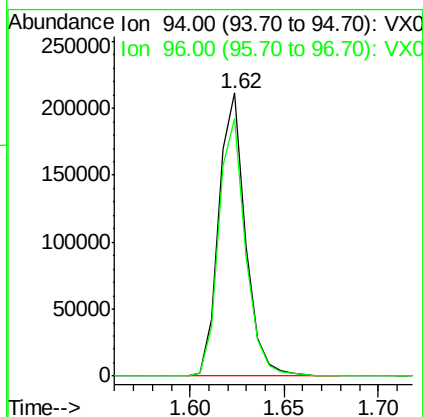
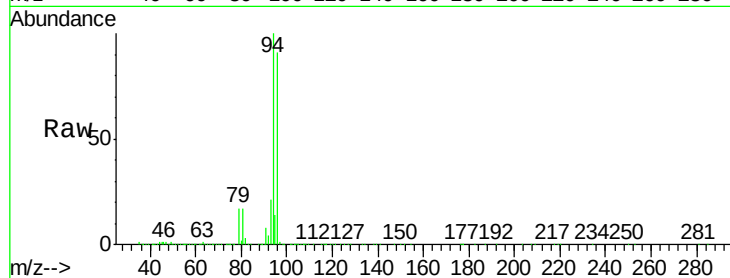
96 91.2 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 112.468 ug/l

RT: 1.70 min Scan# 100

Delta R.T. -0.02 min

Lab File: VX017302.D

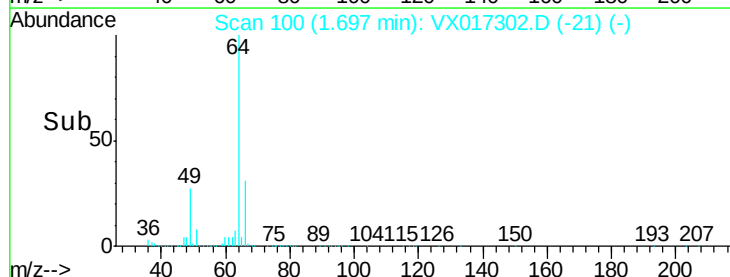
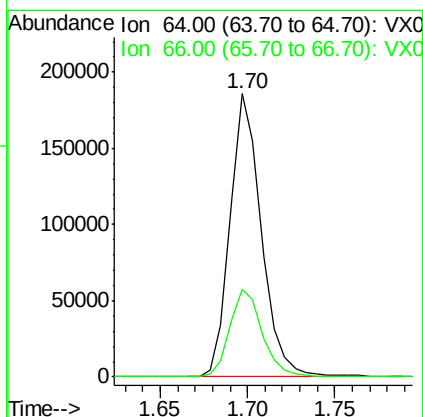
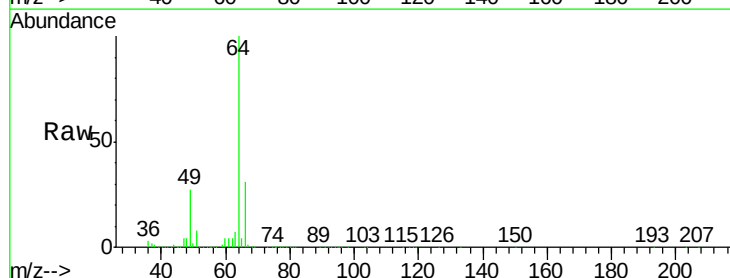
Acq: 09 Jul 2020 12:00

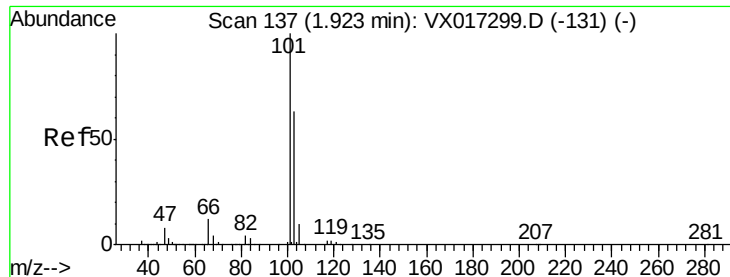
Tgt Ion: 64 Resp: 230792

Ion Ratio Lower Upper

64 100

66 30.9 26.1 39.1





#7

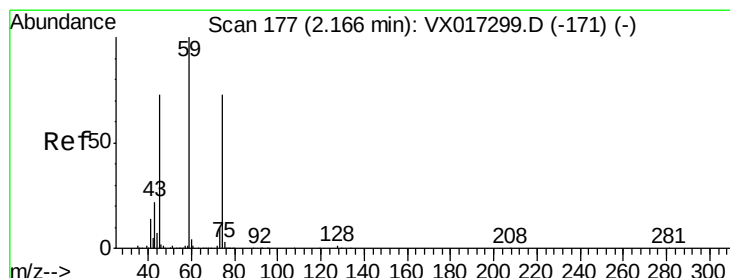
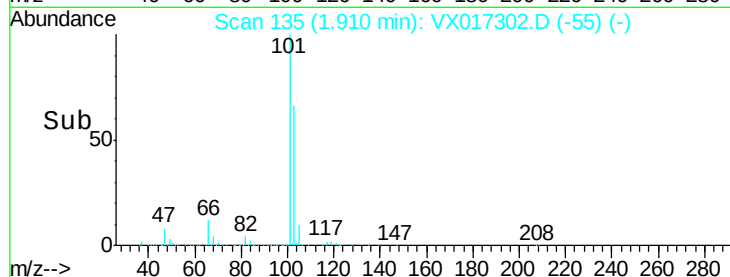
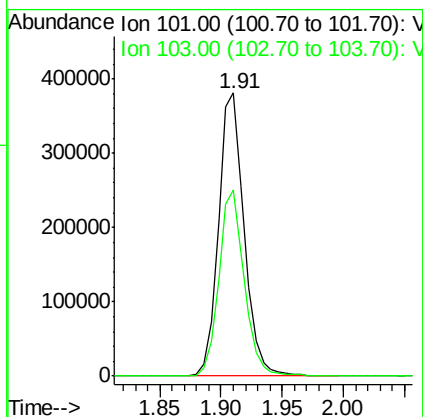
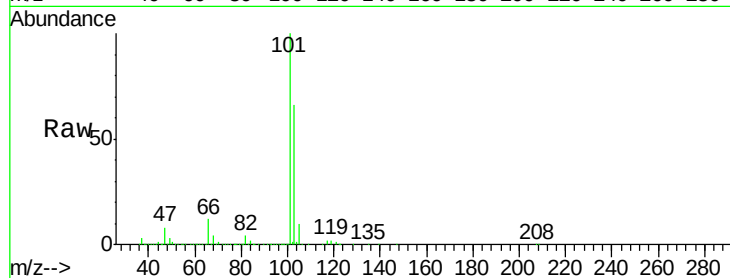
Trichlorofluoromethane
Concen: 105.035 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.1	75.1

Manual Integrations
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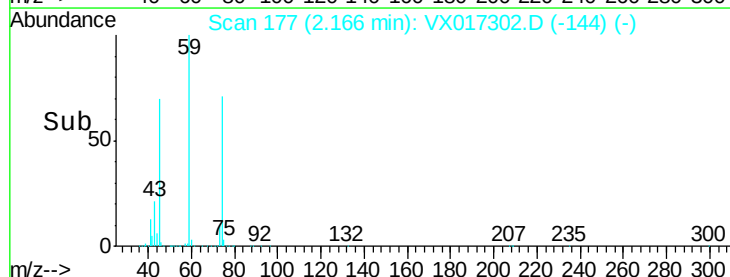
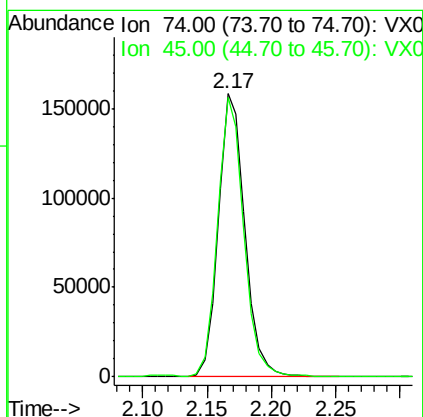
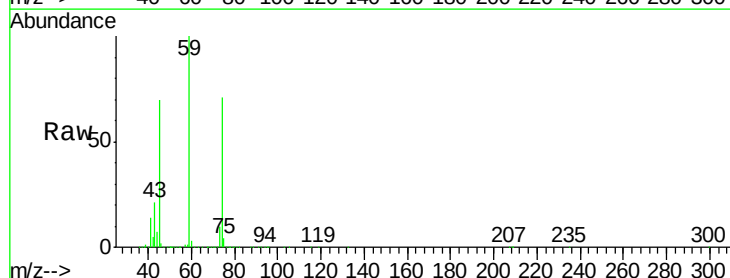
MMDadoda
7/10/2020 12:36:39 PM

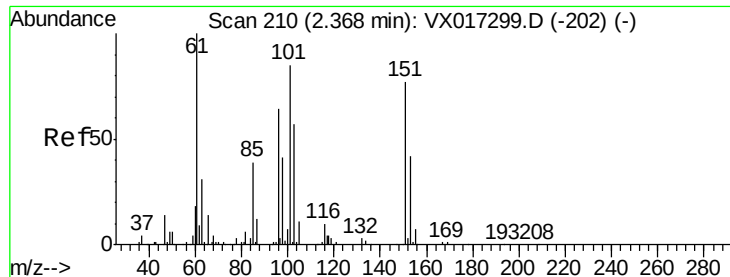


#8

Diethyl Ether
Concen: 120.707 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	18.9	170.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 104.113 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

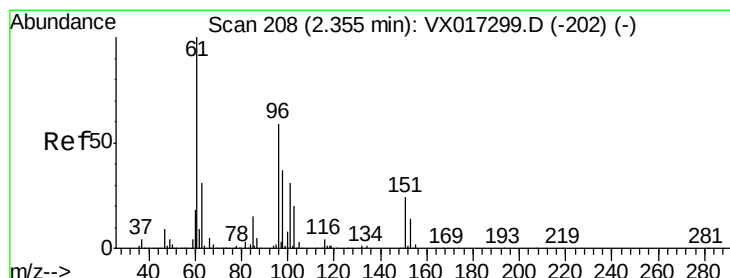
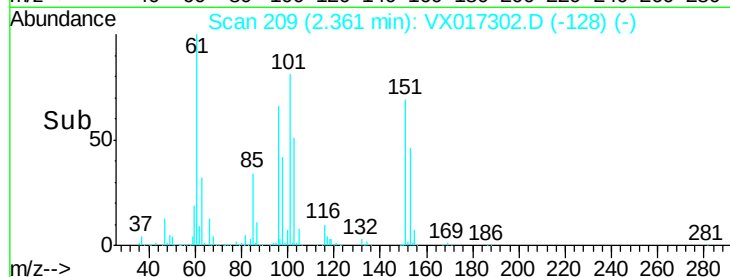
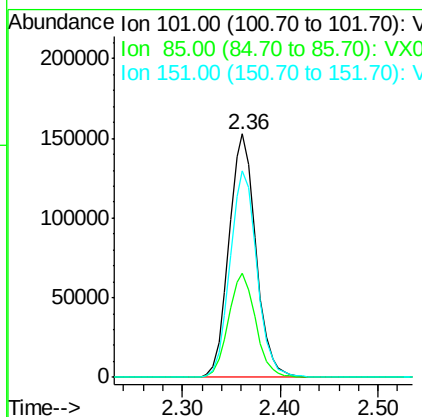
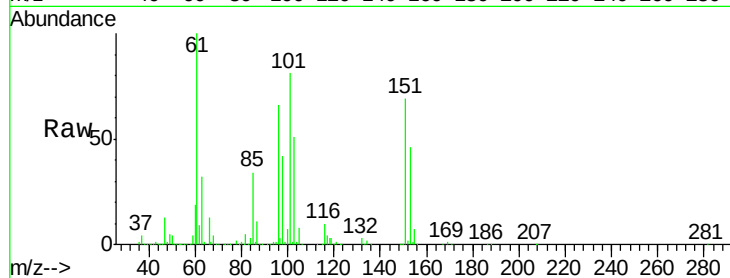
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	291479
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	87.8
151	84.9	0.0	170.2

Manual Integrations
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MMDadoda
7/10/2020 12:36:39 PM



#10

1,1-Dichloroethene

Concen: 120.473 ug/l

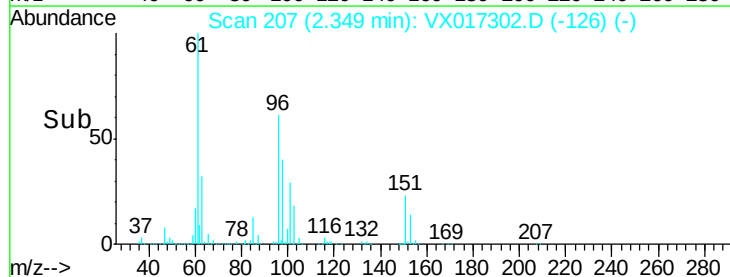
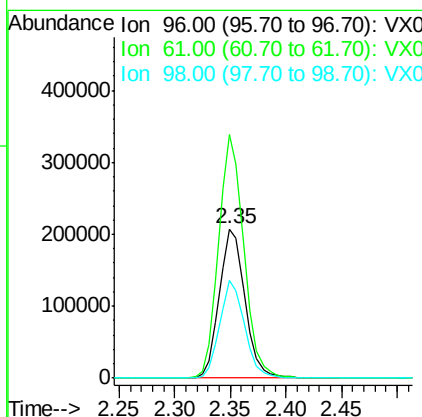
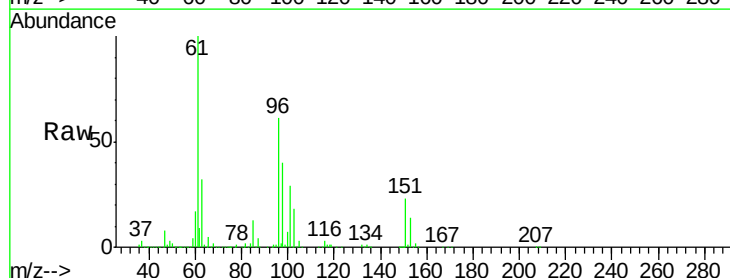
RT: 2.35 min Scan# 207

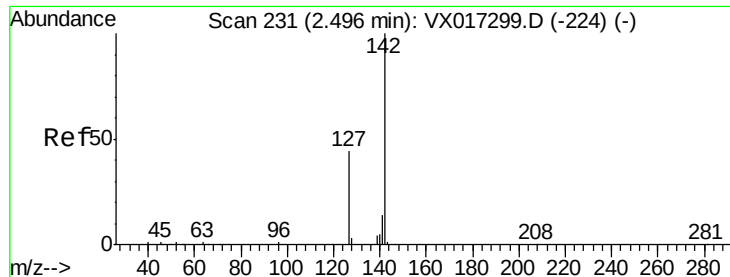
Delta R.T. -0.01 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Tgt Ion:	96	Resp:	329649
Ion Ratio	Lower	Upper	
96	100		
61	163.1	137.0	205.4
98	65.4	51.1	76.7





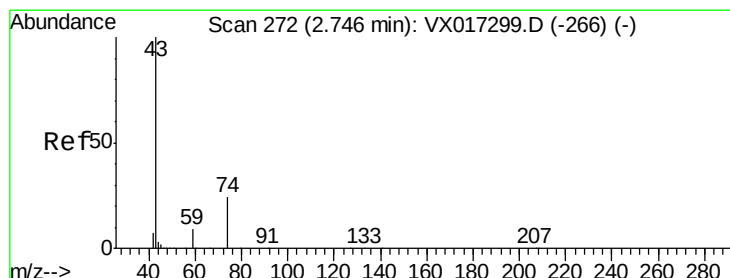
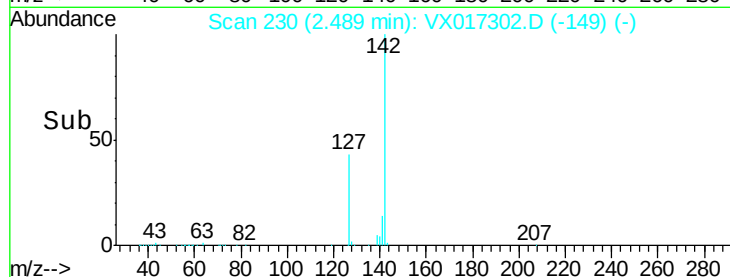
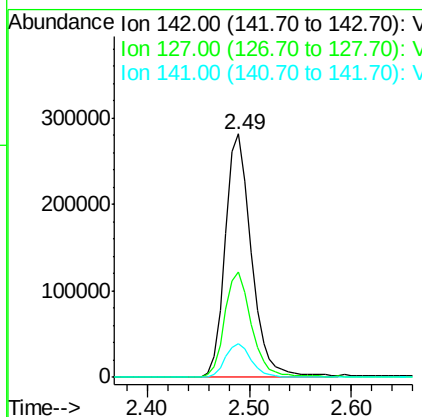
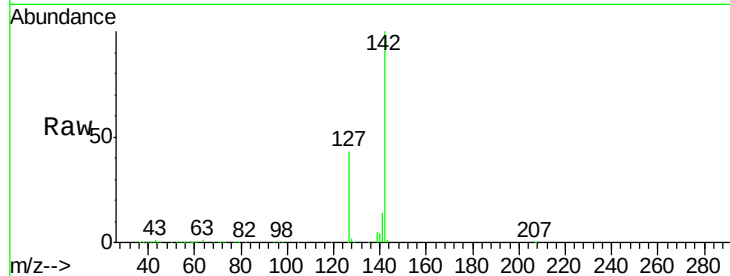
#11
Methvl Iodide
Concen: 138.927 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.0	21.9	65.7
141	14.0	7.0	21.1

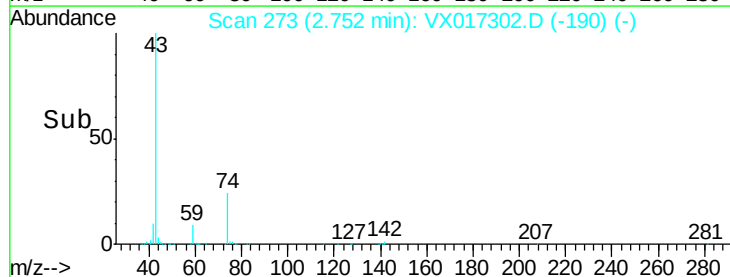
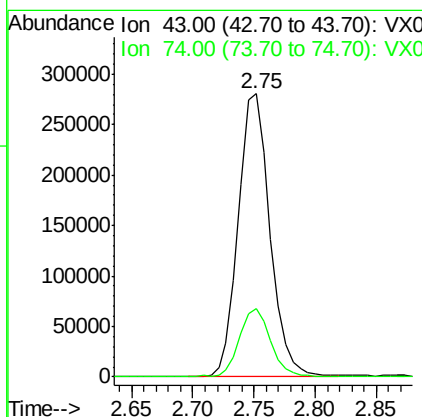
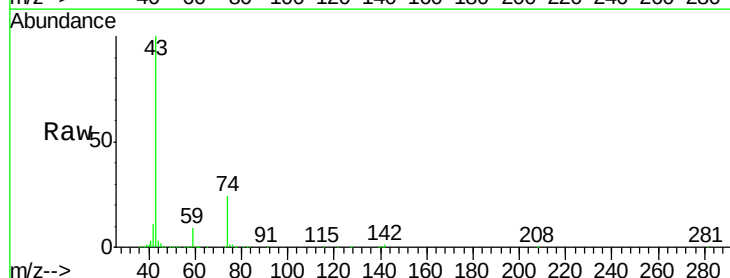
Manual Integrations
APPROVED

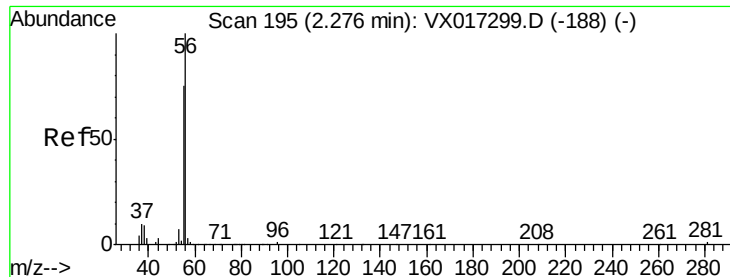
MMDadoda
7/10/2020 12:36:39 PM



#12
Methyl Acetate
Concen: 142.850 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.8	28.2





#13

Acrolein

Concen: 640.027 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 349214

Ion Ratio Lower Upper

56 100

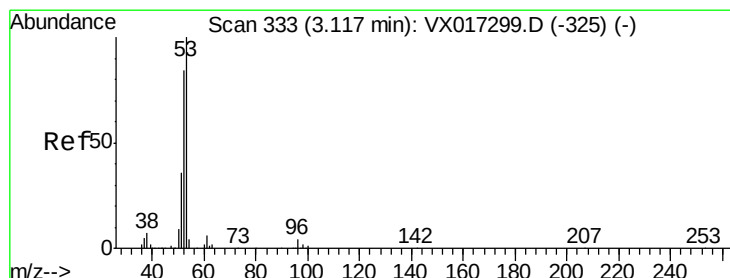
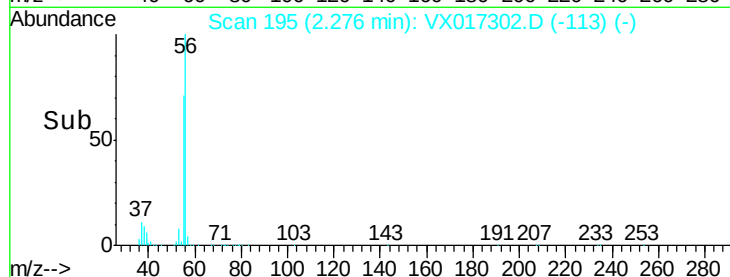
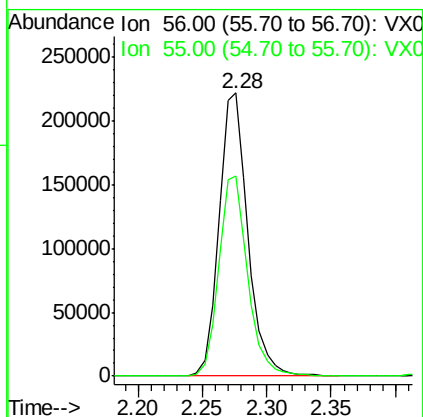
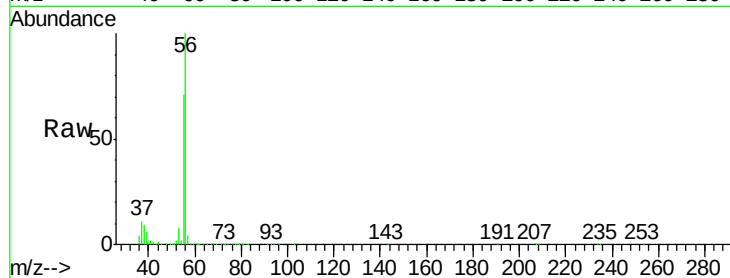
55 70.8 58.5 87.7

Manual Integrations

APPROVED

MMDadoda

7/10/2020 12:36:39 PM



#14

Acrylonitrile

Concen: 696.166 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

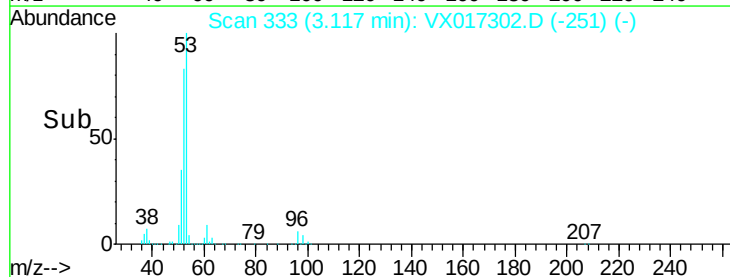
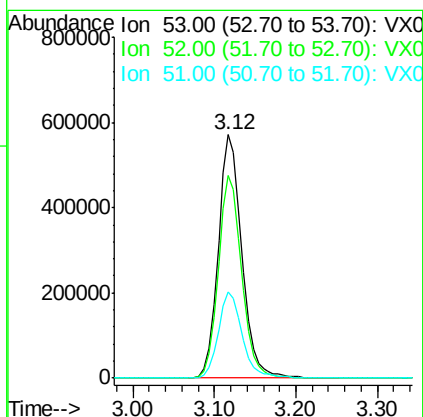
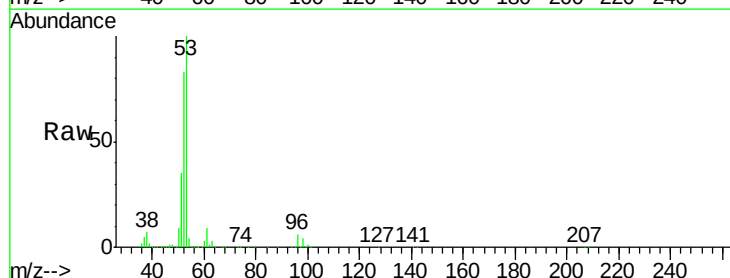
Tgt Ion: 53 Resp: 1147153

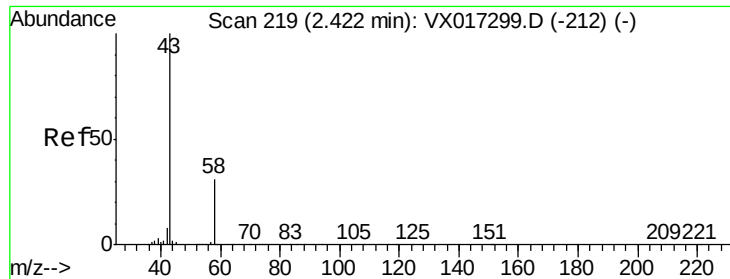
Ion Ratio Lower Upper

53 100

52 82.6 41.3 123.9

51 35.8 18.1 54.1





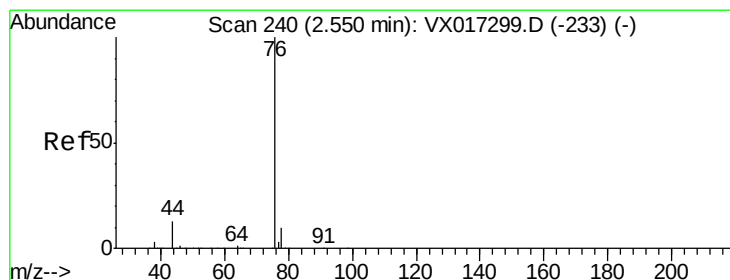
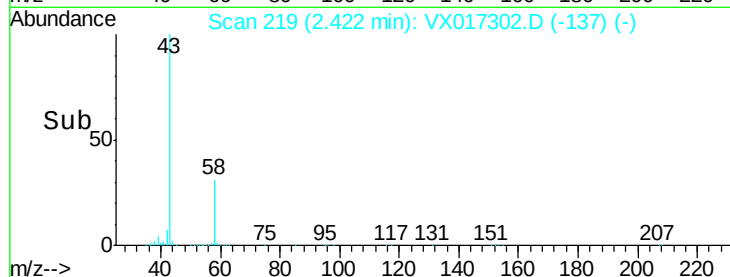
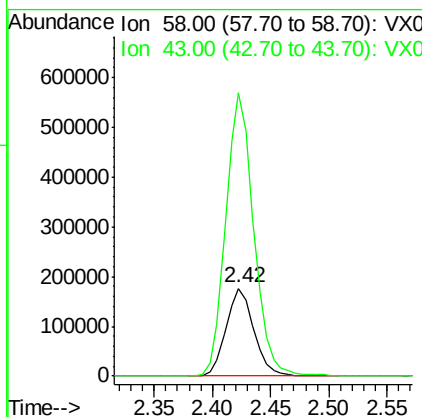
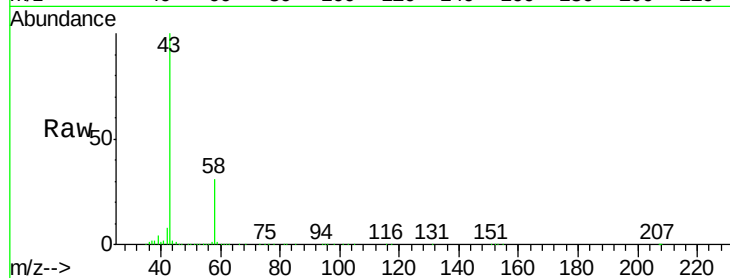
#15
Acetone
Concen: 692.978 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
58	100		
43	322.1	255.0	382.4

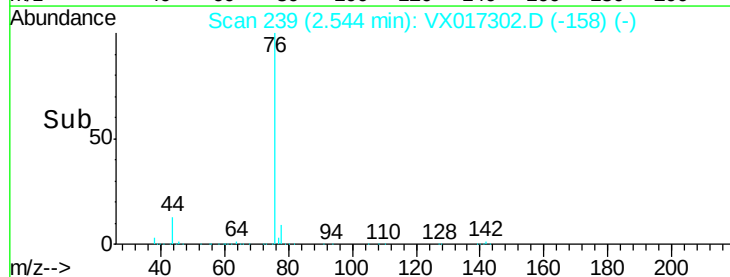
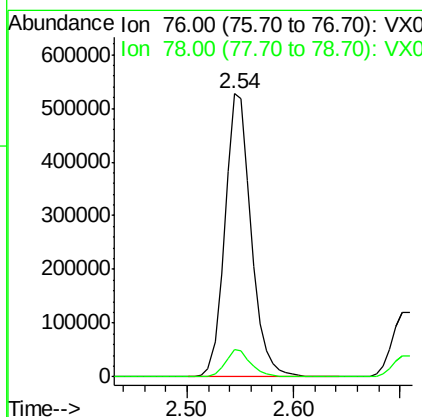
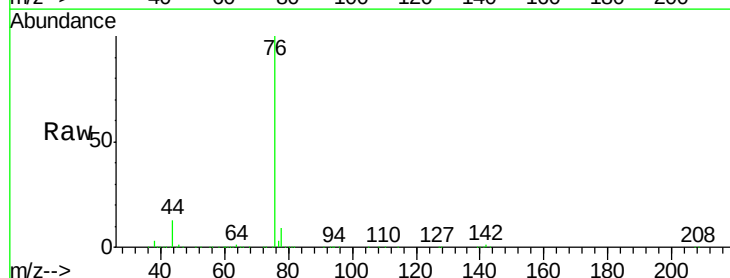
Manual Integrations
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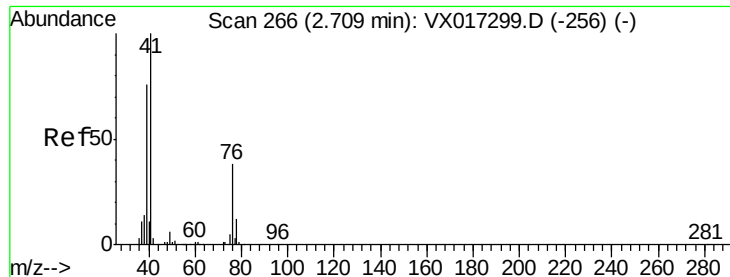
MMDadoda
7/10/2020 12:36:39 PM



#16
Carbon Disulfide
Concen: 106.590 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.9	11.9





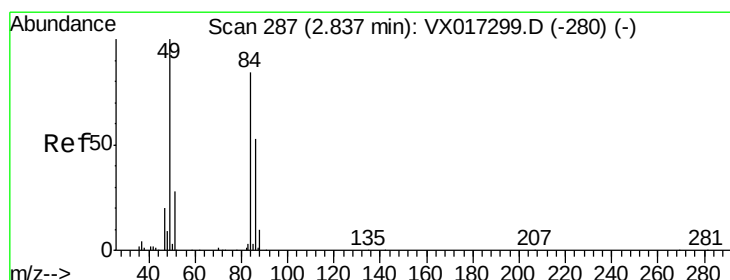
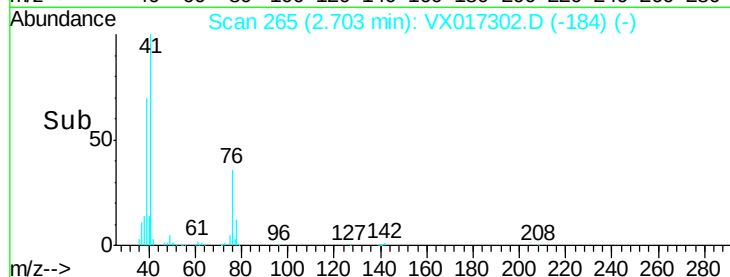
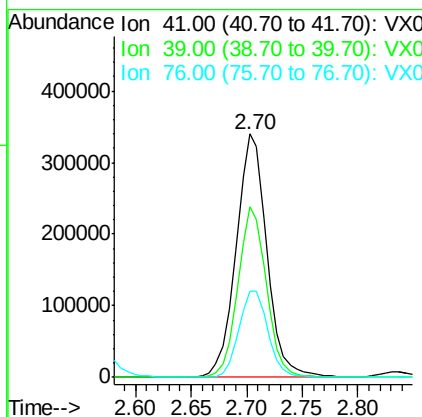
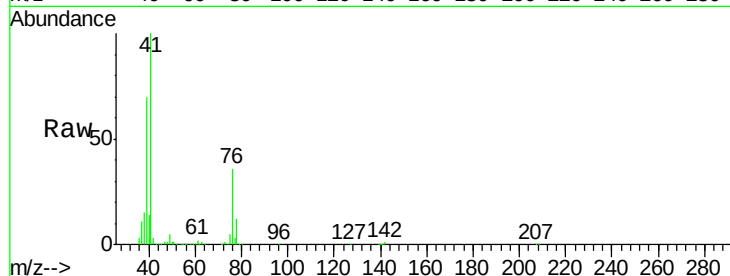
#17
Allvl chloride
Concen: 127.985 ug/l
RT: 2.70 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.3	38.1	114.5
76	35.4	18.8	56.4

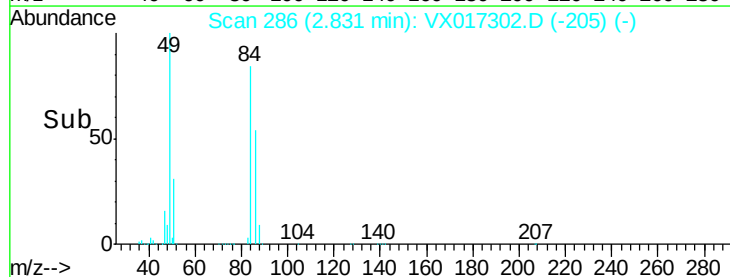
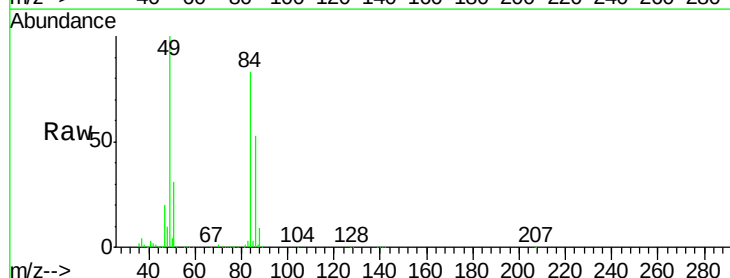
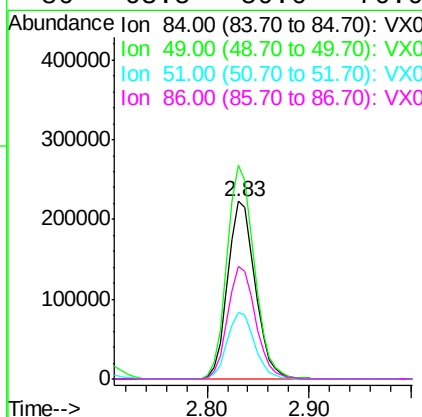
Manual Integrations
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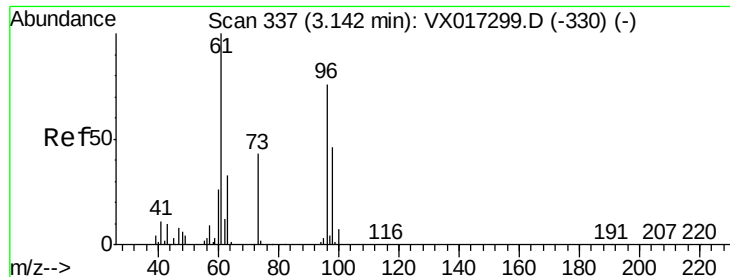
MMDadoda
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#18
Methylene Chloride
Concen: 125.042 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.2	95.7	143.5
51	37.4	27.2	40.8
86	63.5	50.6	76.0





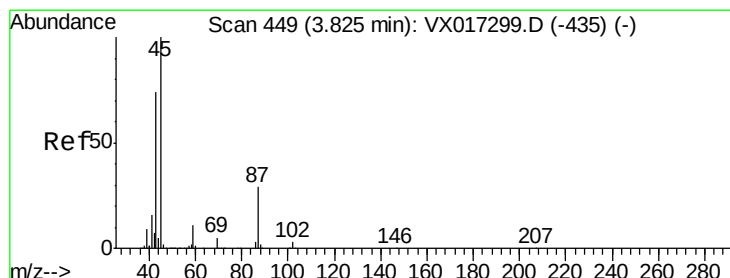
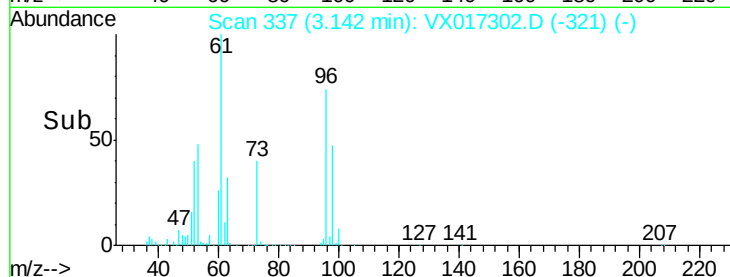
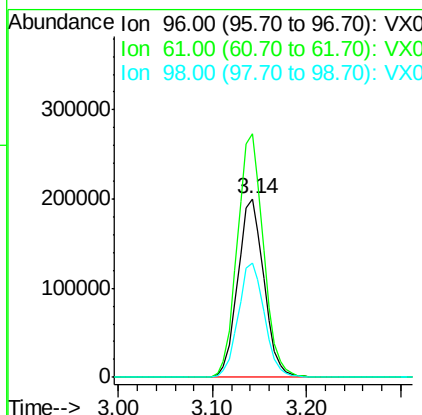
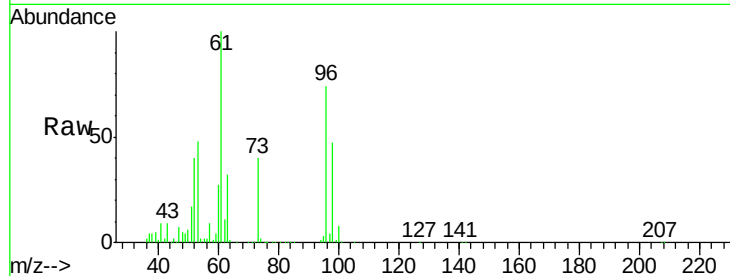
#19
trans-1,2-Dichloroethene
Concen: 123.080 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.1	105.0	157.6
98	63.9	48.6	73.0

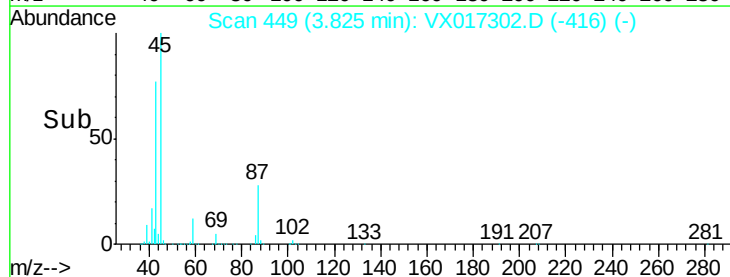
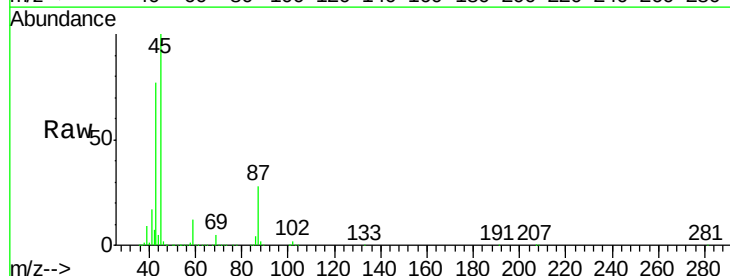
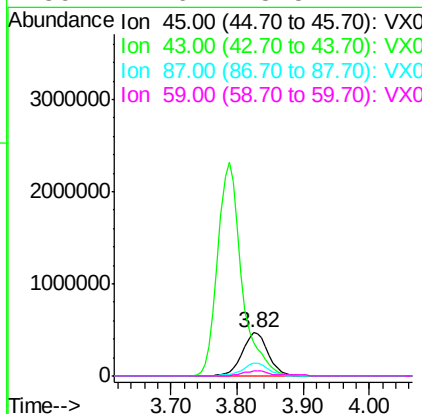
Manual Integrations
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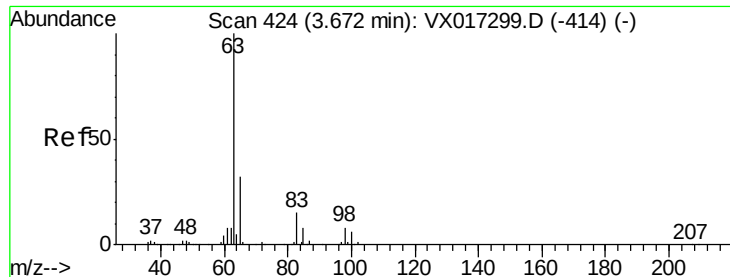
MMDadoda
7/10/2020 12:36:39 PM



#20
Diisopropyl ether
Concen: 124.228 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.9	59.5	89.3
87	28.2	23.2	34.8
59	11.6	8.5	12.7





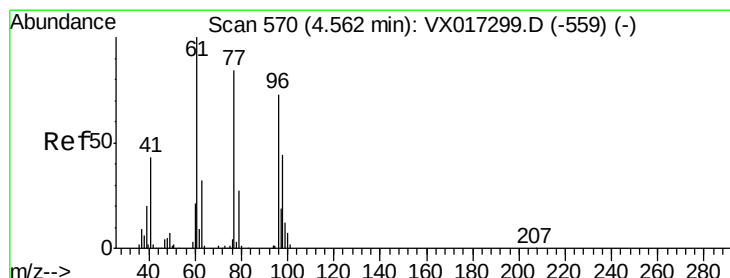
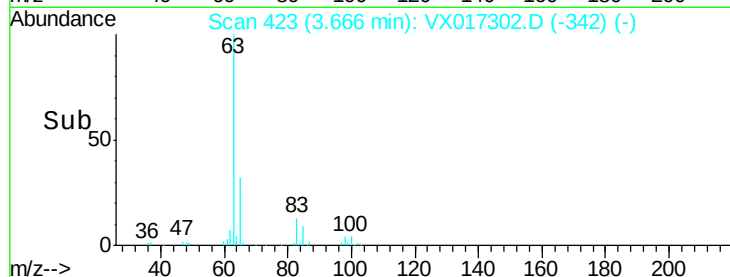
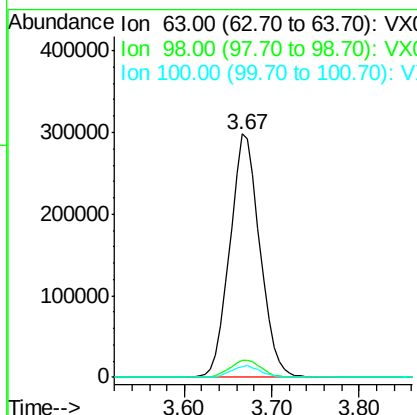
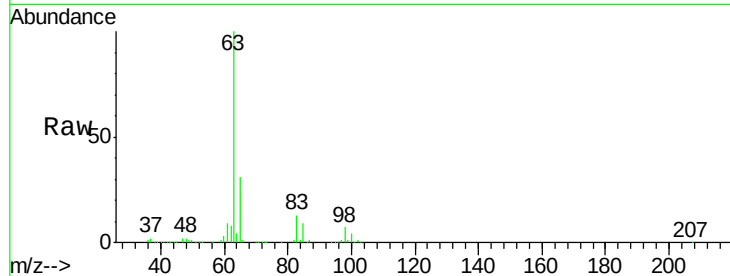
#21
1,1-Dichloroethane
Concen: 125.517 ug/l
RT: 3.67 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	7.0	4.2	12.4
100	4.3	2.8	8.3

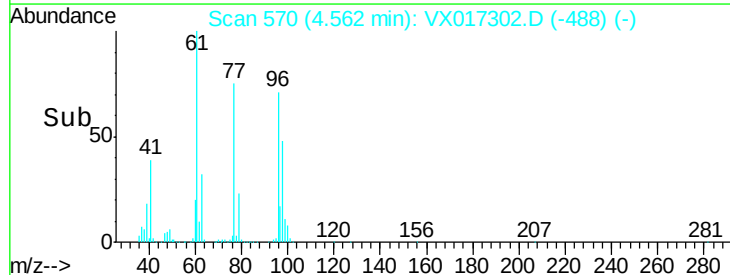
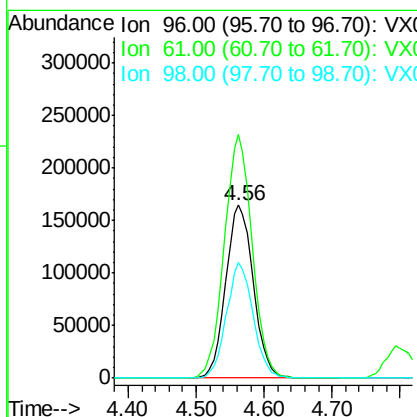
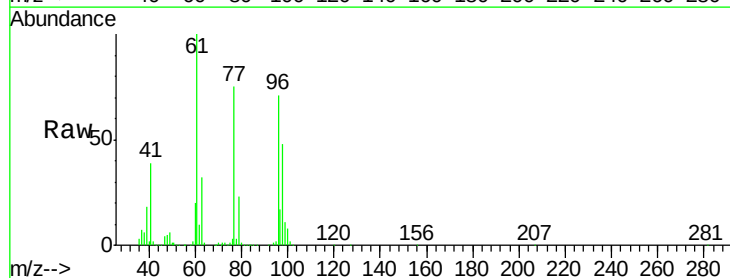
Manual Integrations
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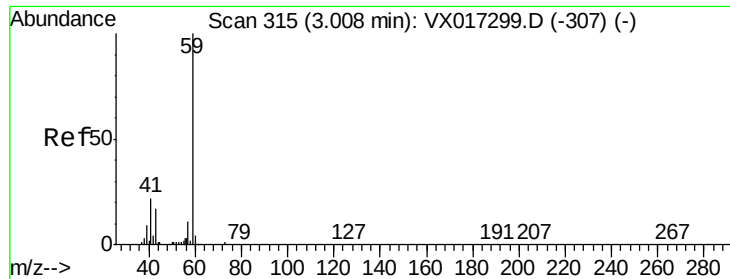
MMDadoda
7/10/2020 12:36:39 PM



#22
cis-1,2-Dichloroethene
Concen: 132.874 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	142.0	111.7	167.5
98	64.4	50.9	76.3





#23

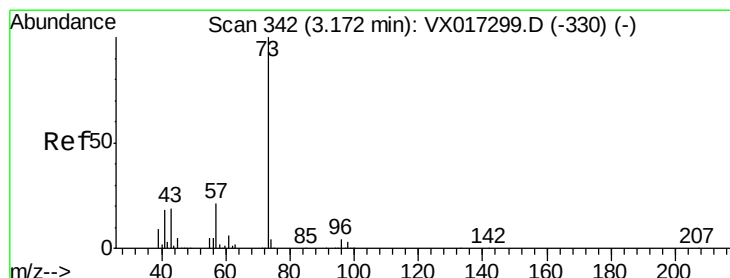
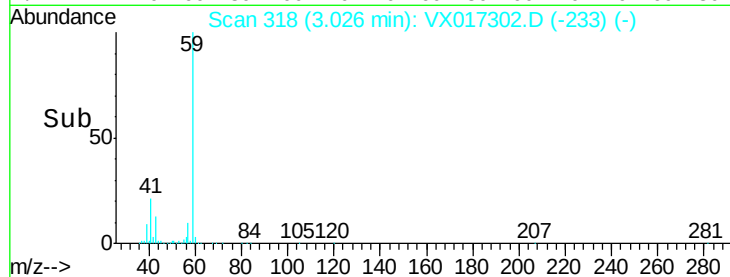
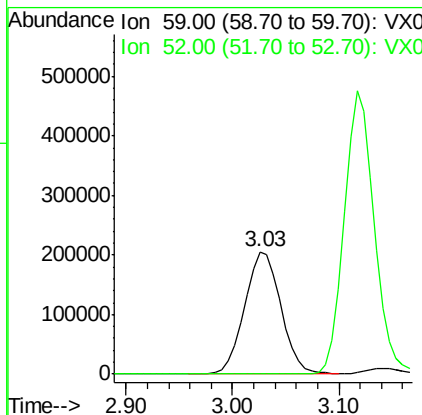
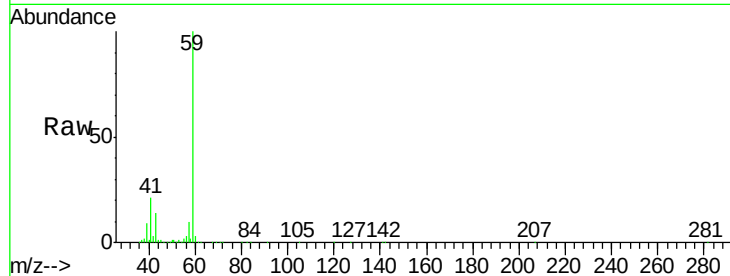
tert-Butyl Alcohol
 Concen: 682.682 ug/l
 RT: 3.03 min Scan# 318
 Delta R.T. 0.02 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.4	0.6#

Manual Integrations
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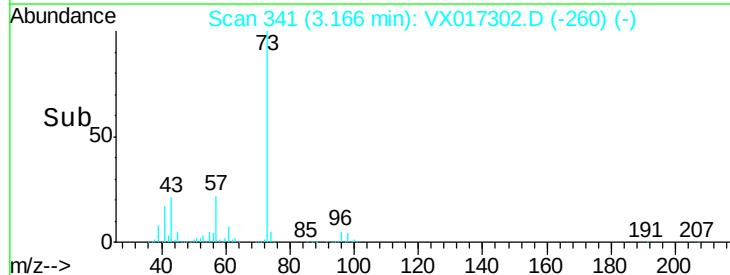
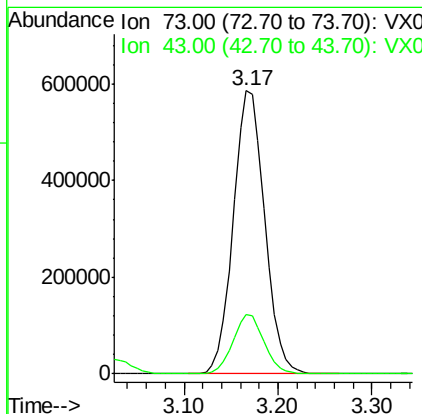
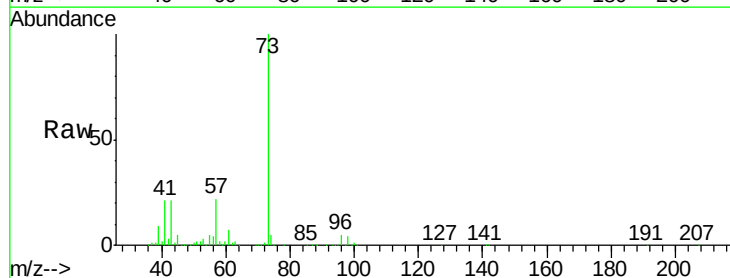
MMDadoda
 7/10/2020 12:36:39 PM

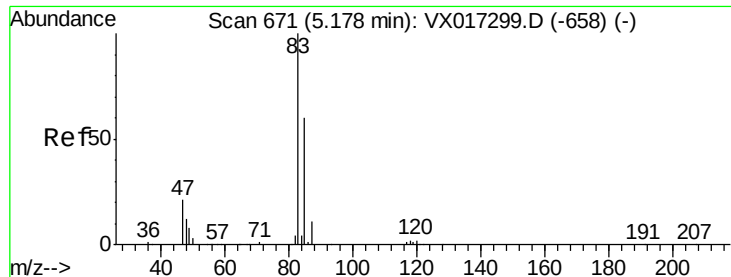


#24

Methyl tert-Butyl Ether
 Concen: 137.753 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.6	16.3	24.5





#25

Chloroform

Concen: 132.229 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 766788

Ion Ratio Lower Upper

83 100

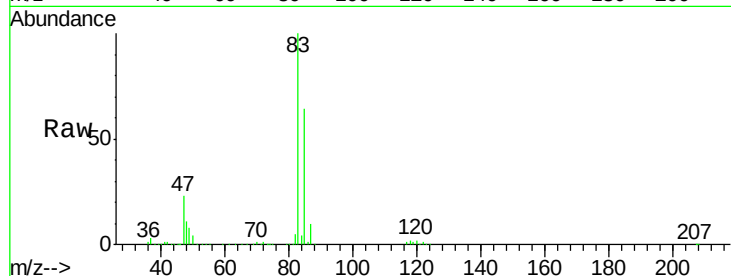
85 64.0 47.8 71.8

Manual Integrations

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MMDadoda

7/10/2020 12:36:39 PM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

5.18

250000

200000

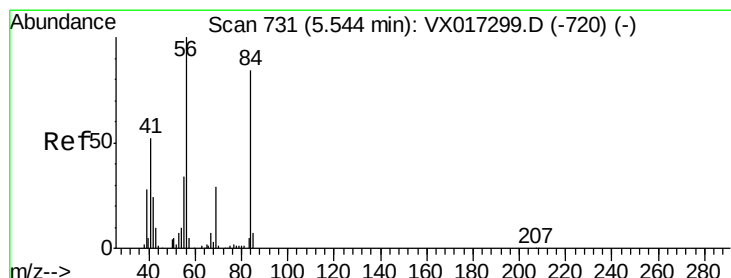
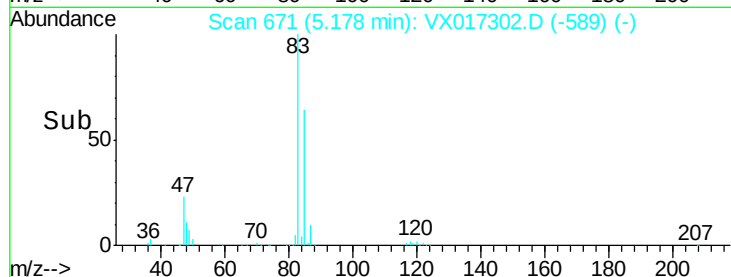
150000

100000

50000

0

Time-->



#26

Cyclohexane

Concen: 101.070 ug/l

RT: 5.54 min Scan# 731

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

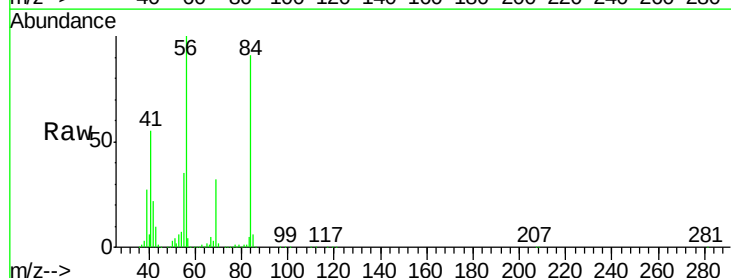
Tgt Ion: 56 Resp: 493599

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 90.5 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

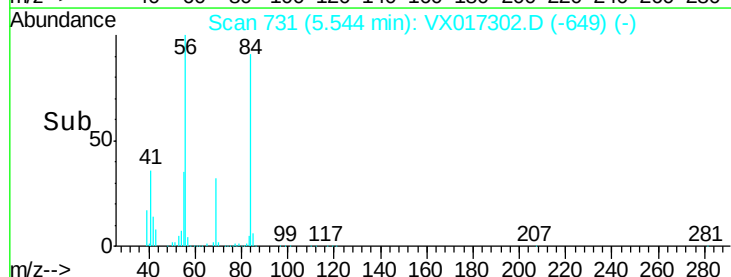
300000

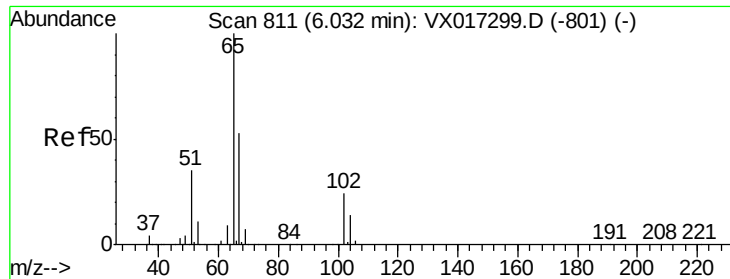
200000

100000

0

Time-->





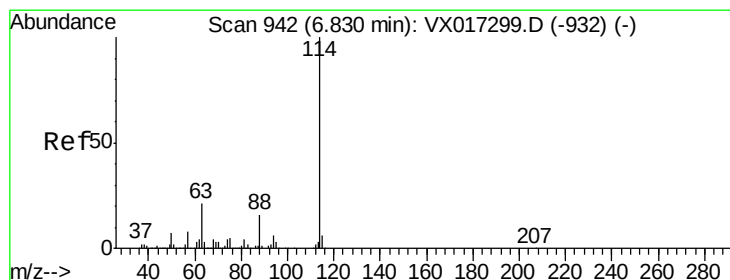
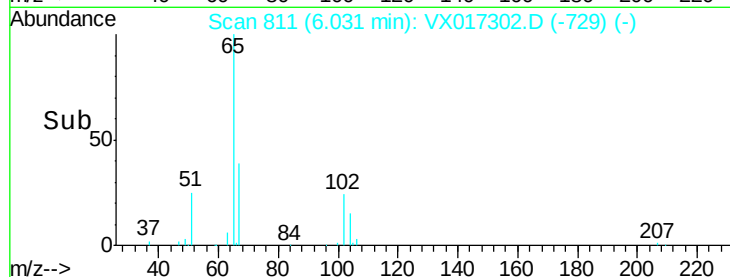
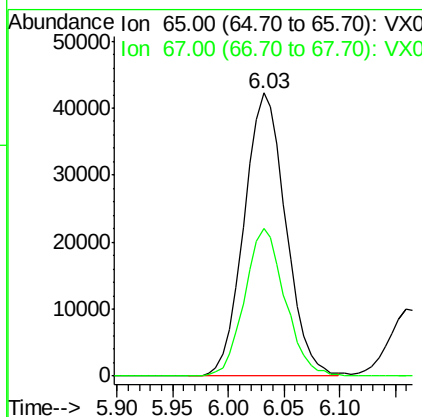
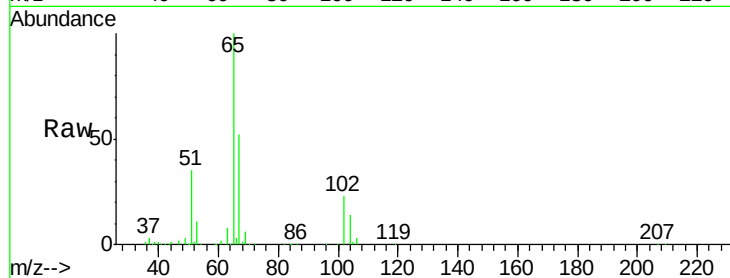
#27
 1,2-Dichloroethane-d4
 Concen: 28.747 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	41.0	61.6

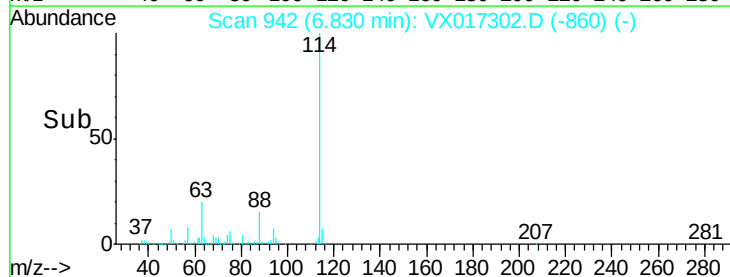
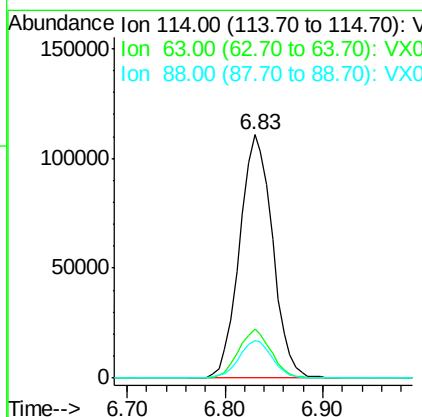
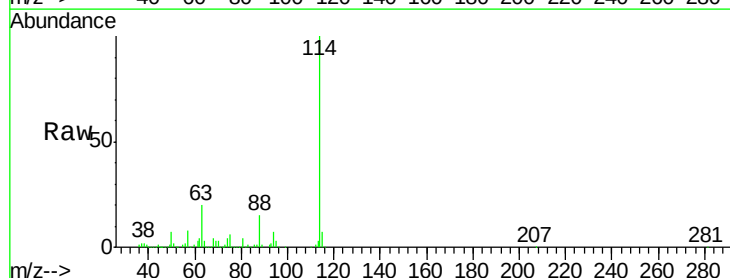
Manual Integrations
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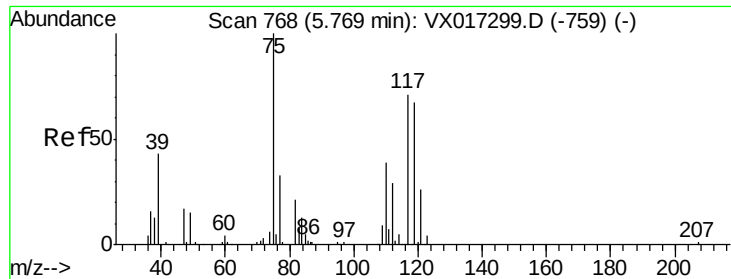
MMDadoda
 7/10/2020 12:36:39 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	15.9	23.9
88	15.6	12.4	18.6





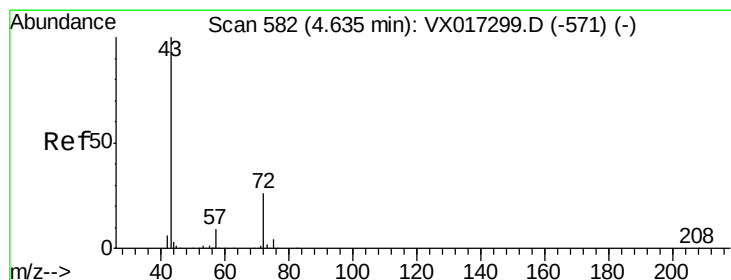
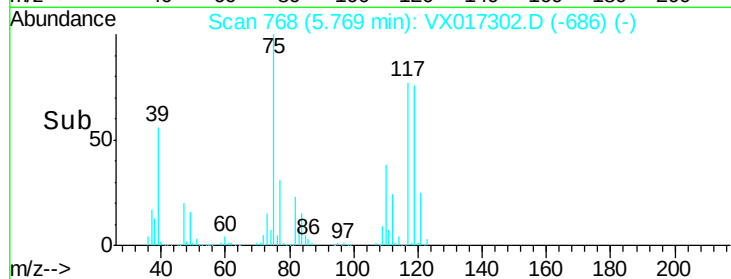
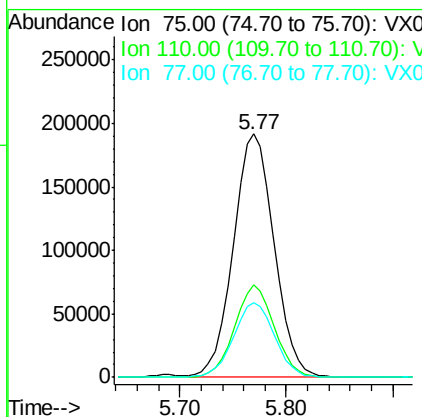
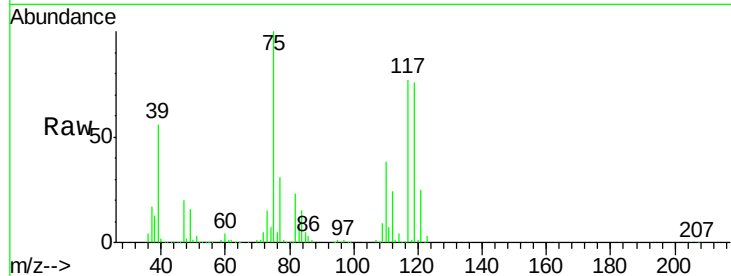
#29
 1,1-Dichloropropene
 Concen: 125.154 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.0	0.0	75.8
77	31.0	0.0	63.4

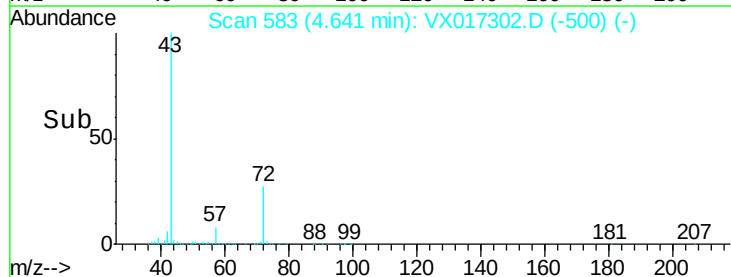
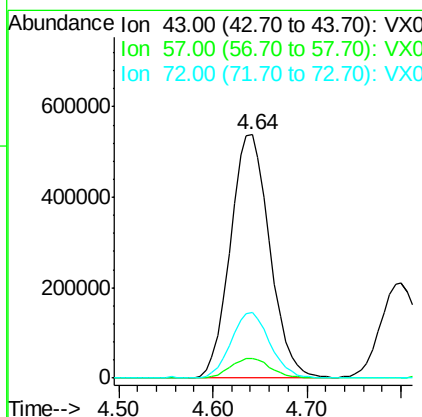
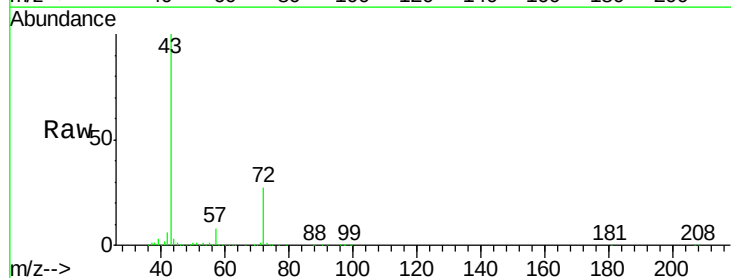
Manual Integrations
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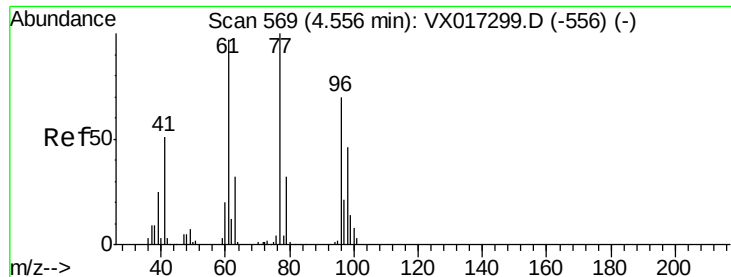
MMDadoda
 7/10/2020 12:36:39 PM



#30
 2-Butanone
 Concen: 731.513 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.8	10.2
72	26.5	21.0	31.6





#31

2,2-Dichloropropane

Concen: 133.048 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 77 Resp: 631475

Ion Ratio Lower Upper

77 100

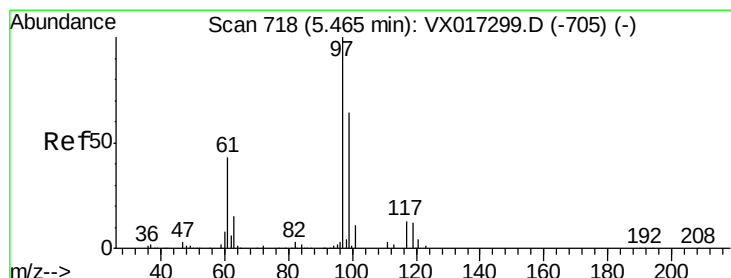
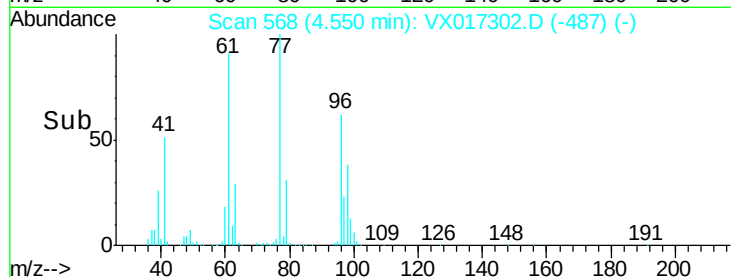
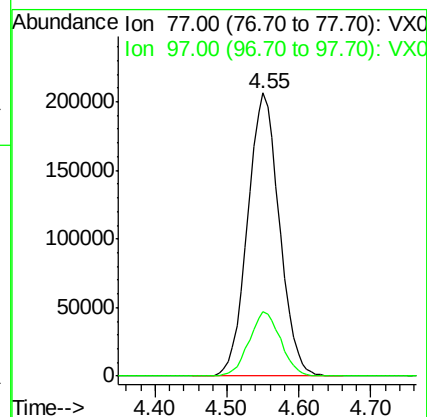
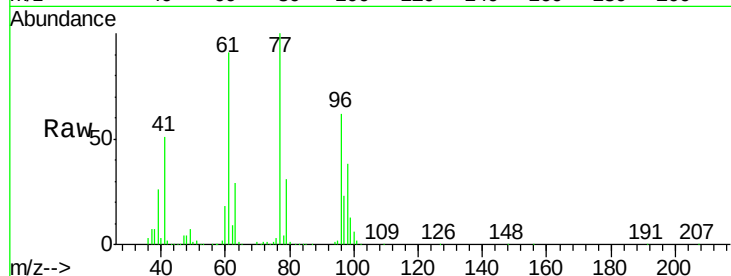
97 22.7 18.2 27.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 134.245 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

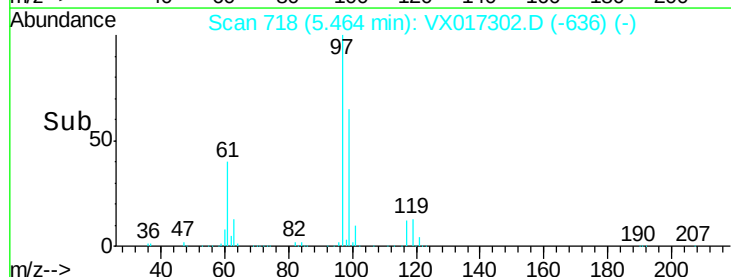
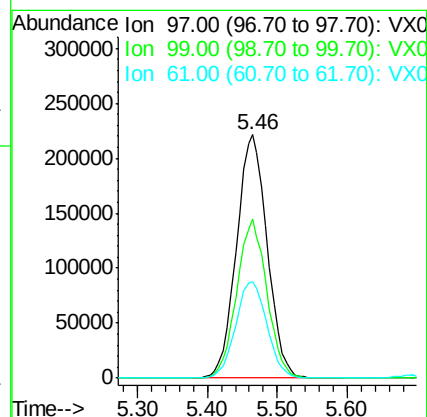
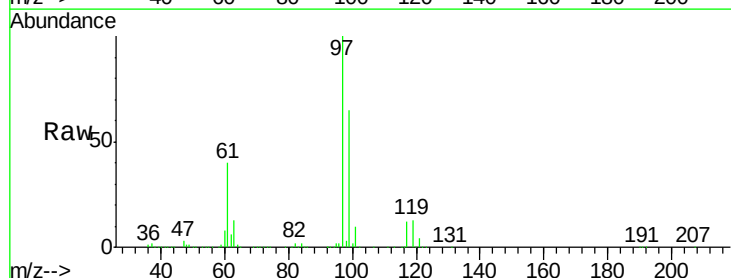
Tgt Ion: 97 Resp: 673326

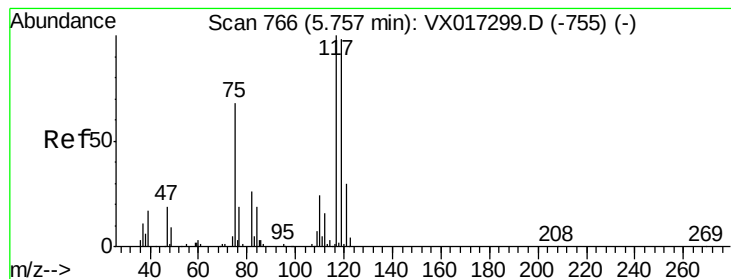
Ion Ratio Lower Upper

97 100

99 64.1 53.2 79.8

61 40.6 34.0 51.0





#33

Carbon Tetrachloride

Concen: 132.924 ug/l

RT: 5.76 min Scan# 766

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

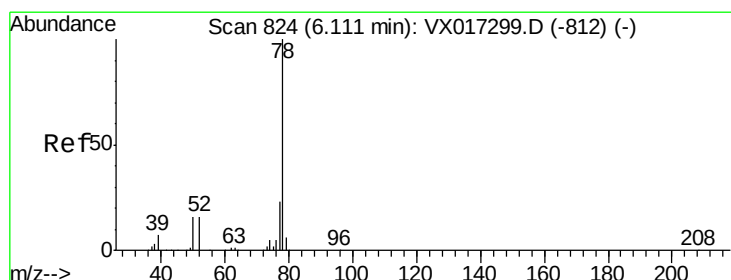
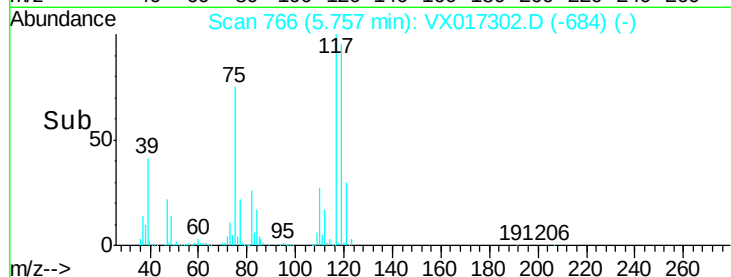
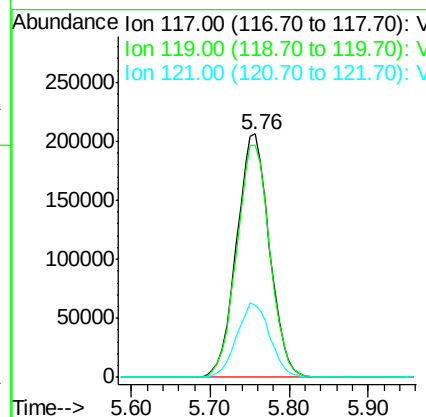
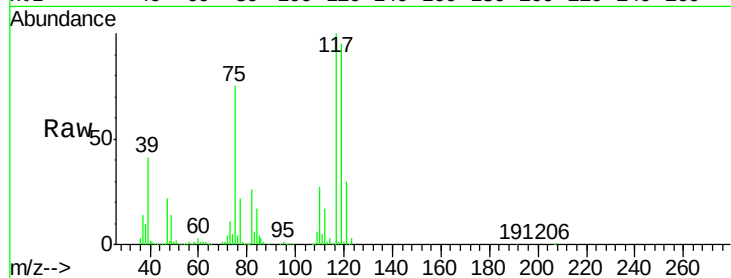
ClientSampleId :

VSTDIC150

Tot Ion:	117	Resp:	595212
Ion Ratio	Lower	Upper	
117	100		
119	95.2	78.8	118.2
121	29.8	23.7	35.5

Manual Integrations
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#34

Benzene

Concen: 133.777 ug/l

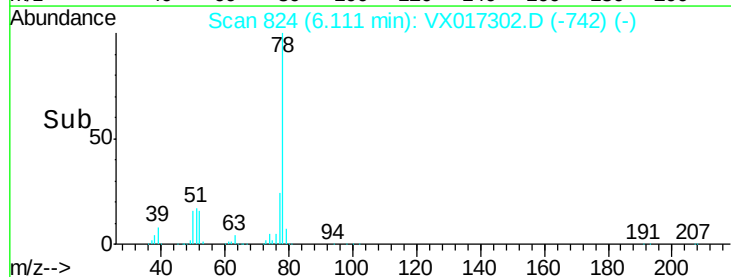
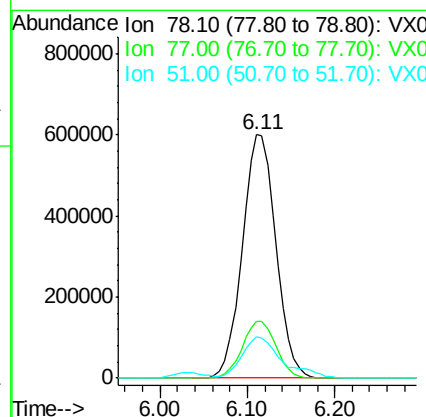
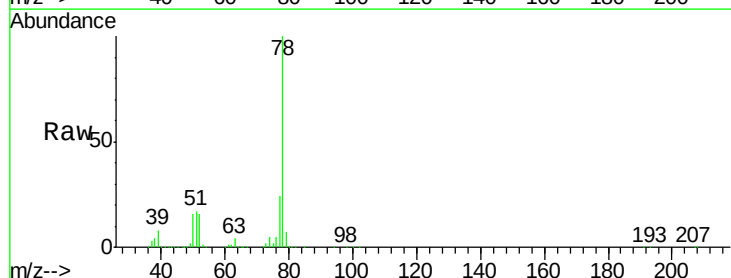
RT: 6.11 min Scan# 824

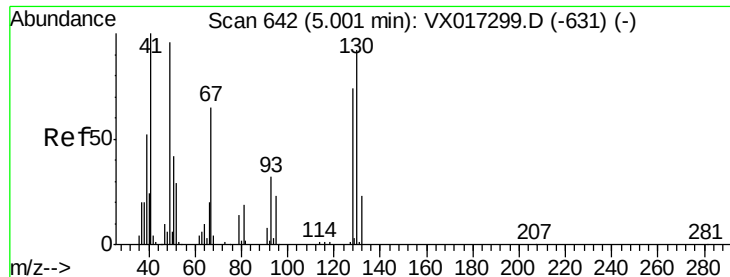
Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Tgt Ion:	78	Resp:	1594403
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.1	27.1
51	17.0	12.9	19.3





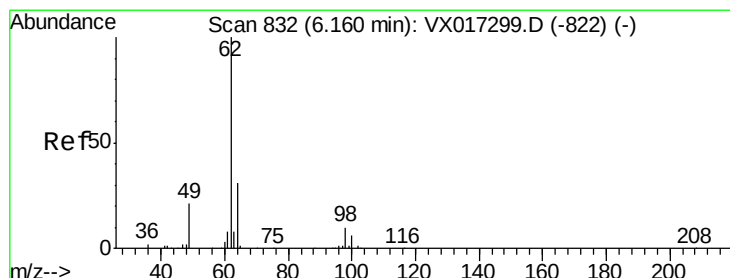
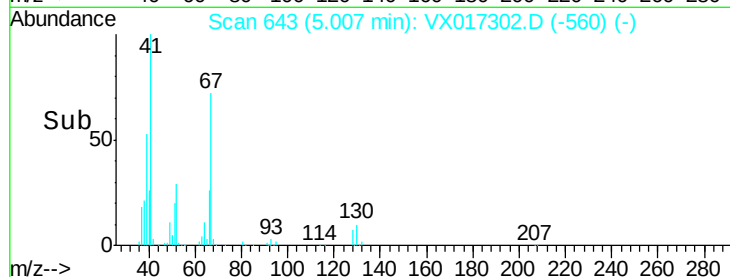
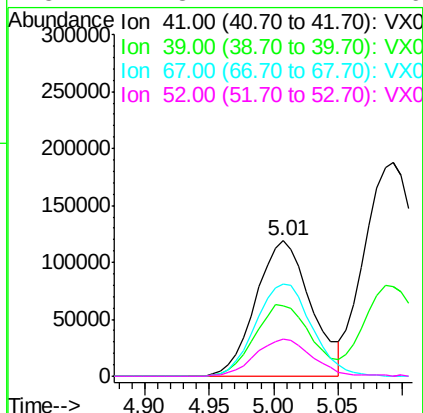
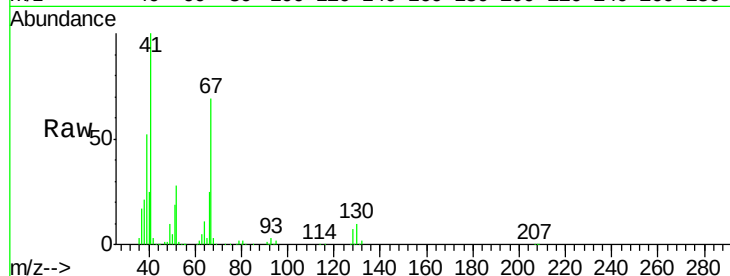
#35
Methacrylonitrile
Concen: 149.682 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.1	26.0	78.0
67	68.6	32.6	97.8
52	27.8	14.2	42.6

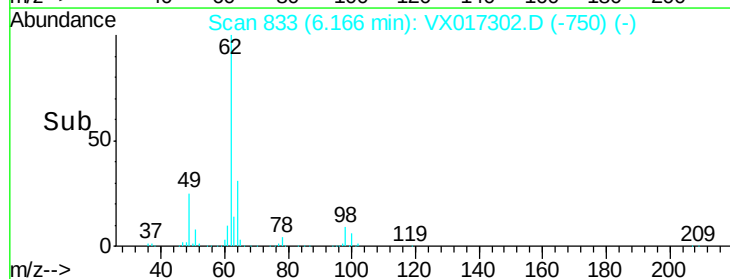
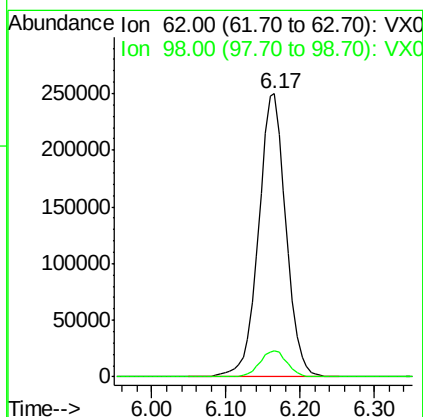
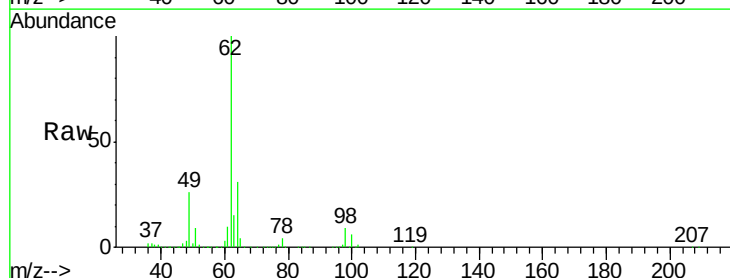
Manual Integrations
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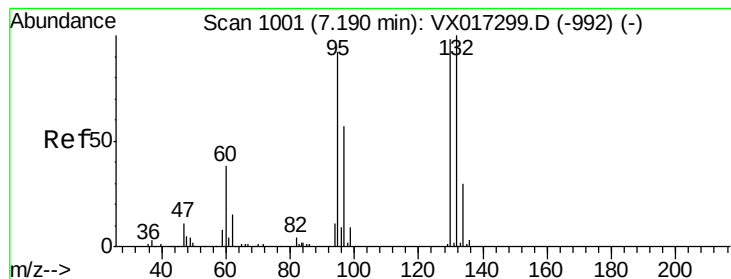
MMDadoda
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#36
1,2-Dichloroethane
Concen: 139.941 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.8	11.8





#37

Trichloroethene

Concen: 141.305 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:130 Resp: 467037

Ion Ratio Lower Upper

130 100

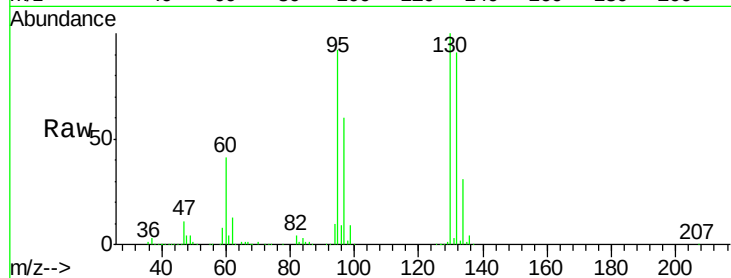
95 91.9 74.4 111.6

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

7.19

250000

200000

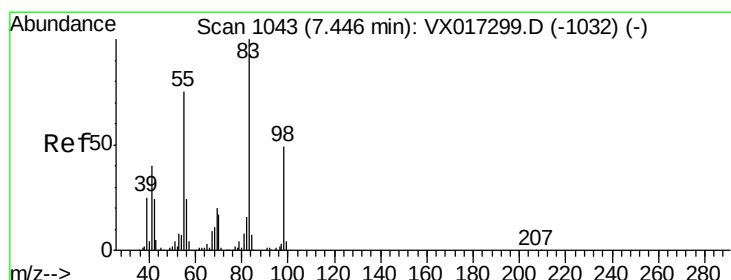
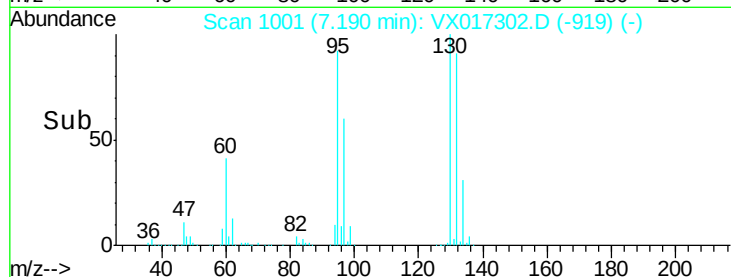
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 105.774 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

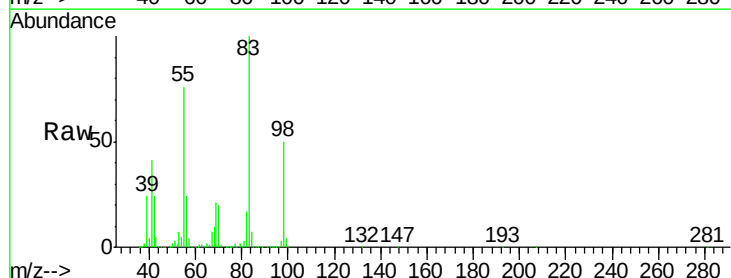
Tgt Ion: 83 Resp: 490087

Ion Ratio Lower Upper

83 100

55 75.8 39.0 117.0

98 50.4 25.3 75.9



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

300000

250000

200000

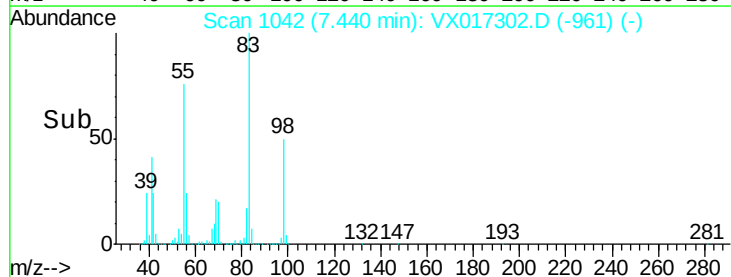
150000

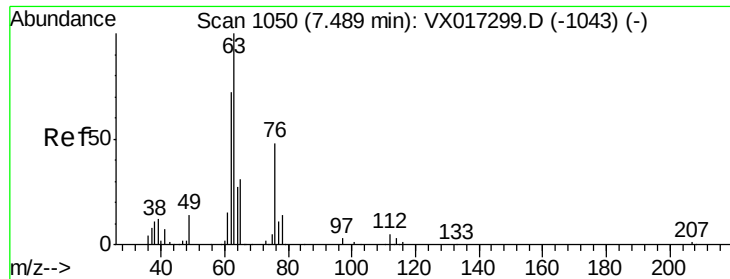
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 137.416 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 427550

Ion Ratio Lower Upper

63 100

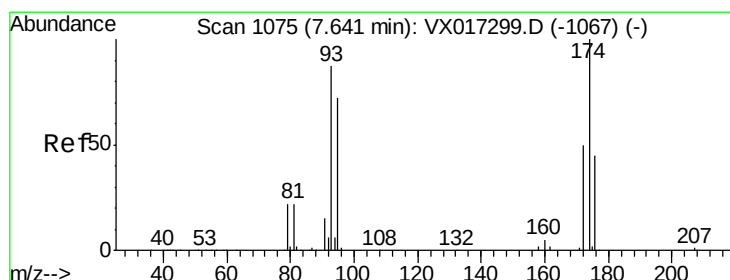
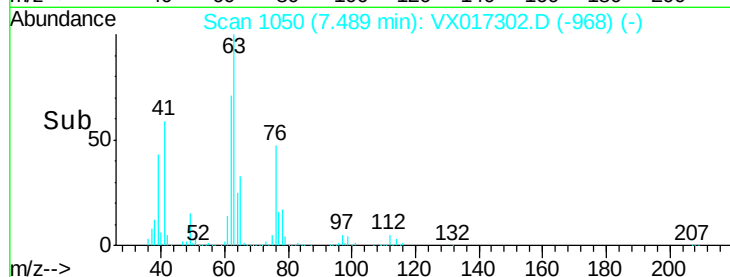
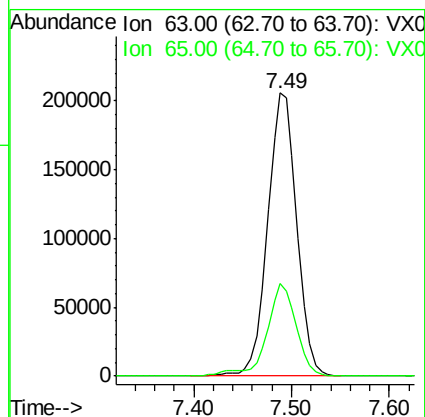
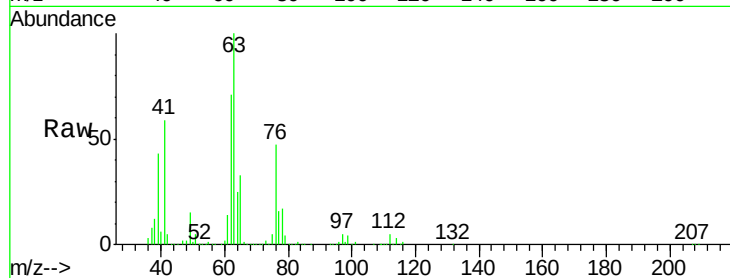
65 32.6 27.4 41.0

Manual Integrations

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#40

Dibromomethane

Concen: 143.384 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

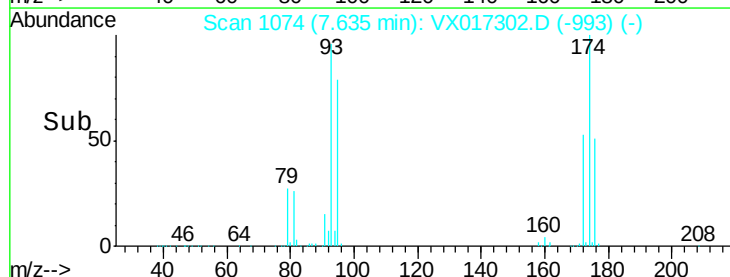
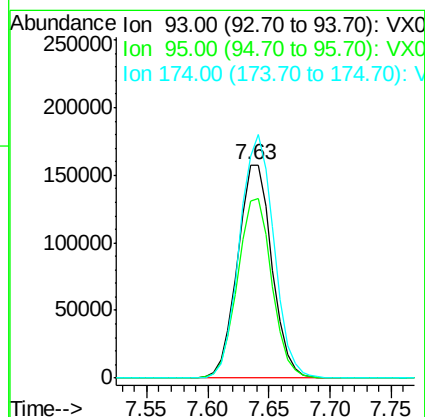
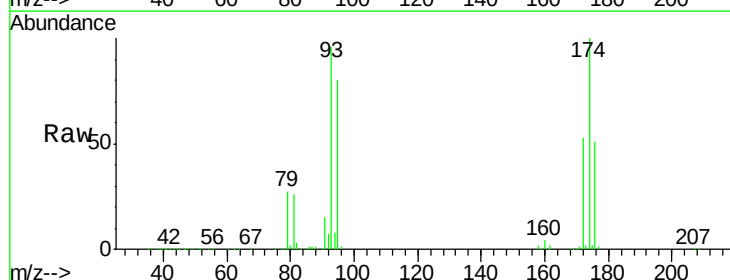
Tgt Ion: 93 Resp: 308606

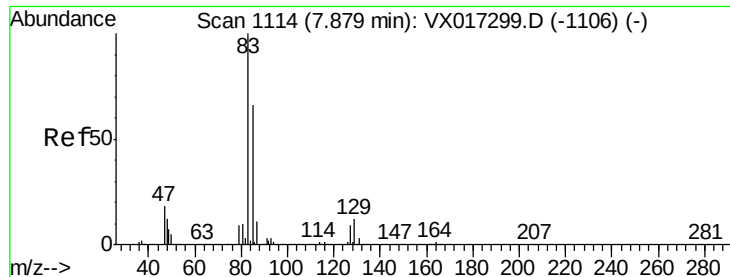
Ion Ratio Lower Upper

93 100

95 83.9 0.0 164.4

174 113.2 0.0 224.8





#41

Bromodichloromethane

Concen: 146.449 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

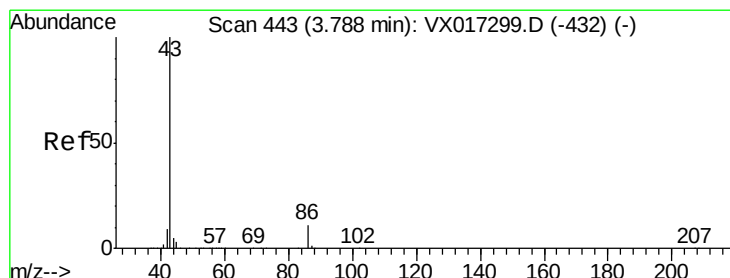
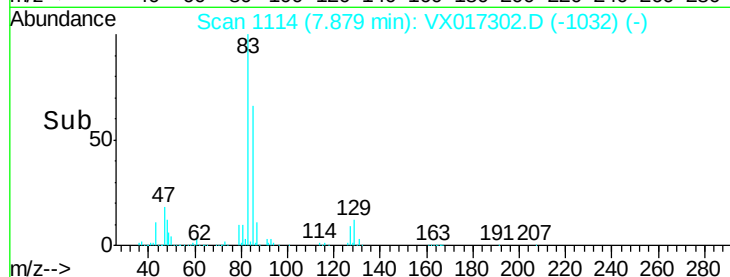
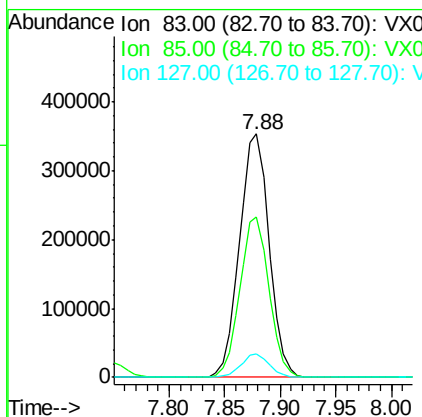
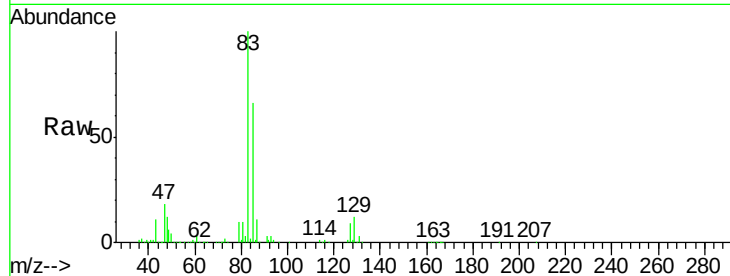
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	653025
Ion Ratio	Lower	Upper	
83	100		
85	65.7	53.1	79.7
127	9.4	7.3	10.9

Manual Integrations
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7/10/2020 12:36:39 PM



#42

Vinyl Acetate

Concen: 684.055 ug/l

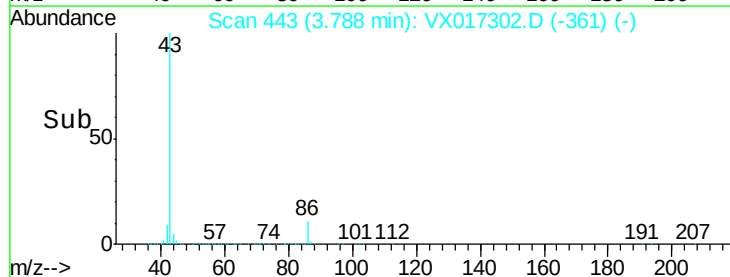
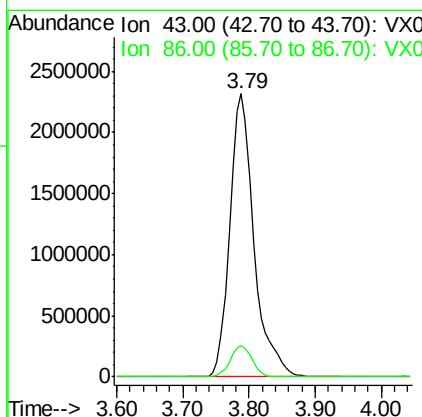
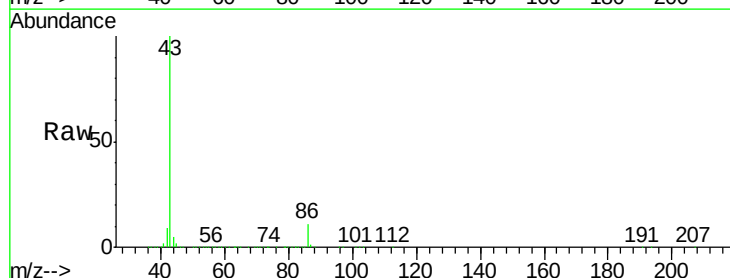
RT: 3.79 min Scan# 443

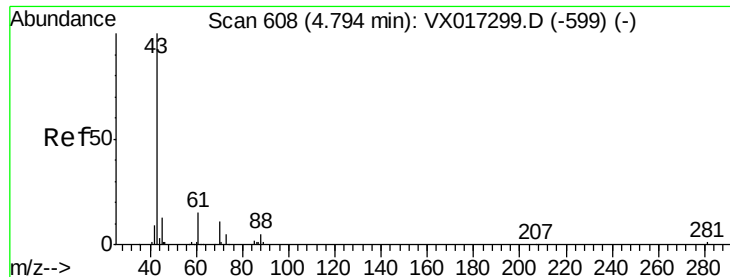
Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Tgt Ion:	43	Resp:	5852231
Ion Ratio	Lower	Upper	
43	100		
86	10.0	7.9	11.9





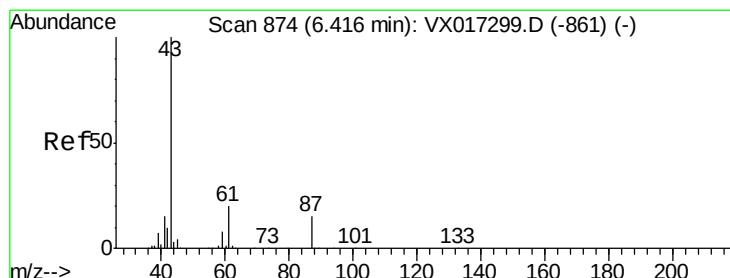
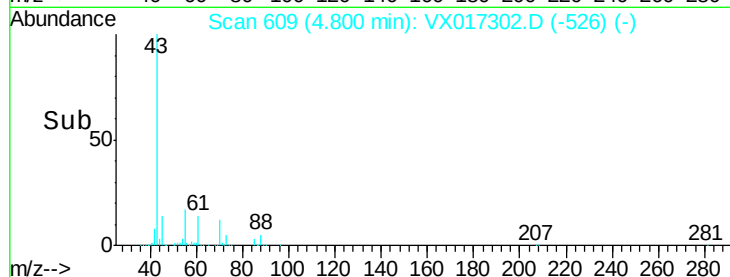
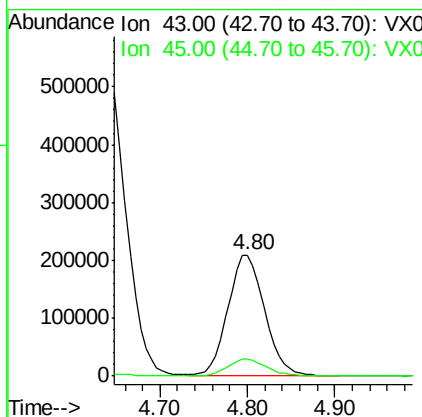
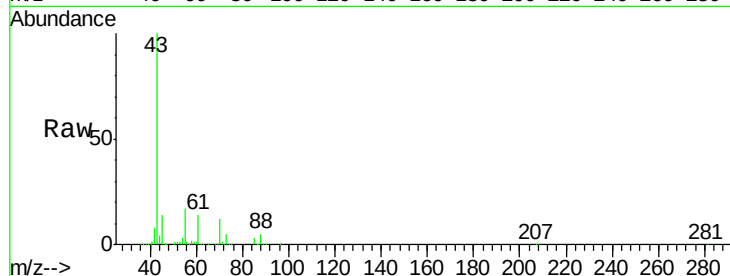
#43
Ethyl Acetate
Concen: 138.358 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 609923
Ion Ratio Lower Upper
43 100
45 15.1 12.1 18.1

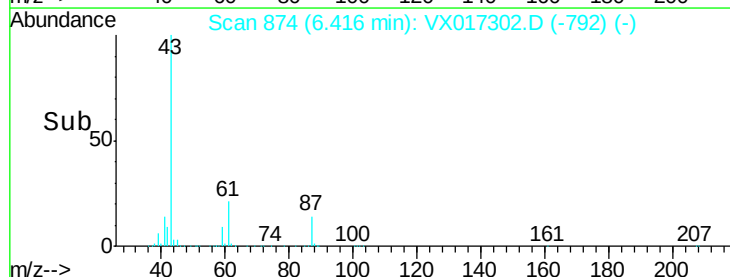
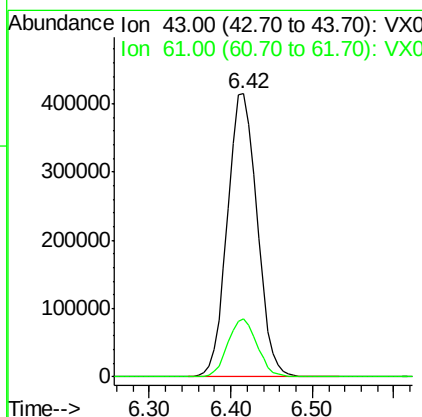
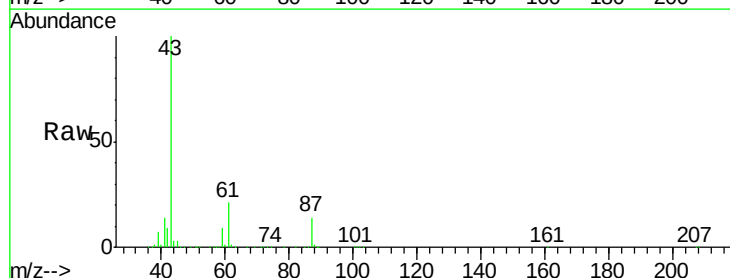
Manual Integrations
APPROVED

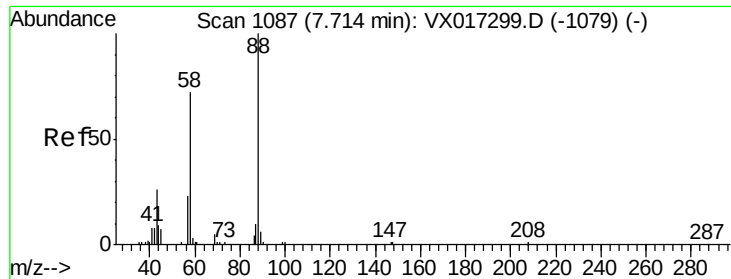
MMDadoda
7/10/2020 12:36:39 PM



#44
Isopropyl Acetate
Concen: 143.923 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion: 43 Resp: 1044716
Ion Ratio Lower Upper
43 100
61 20.1 15.7 23.5





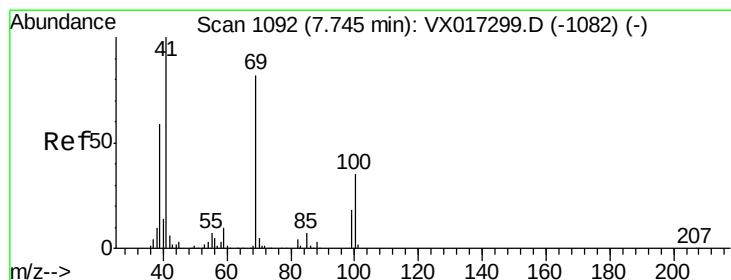
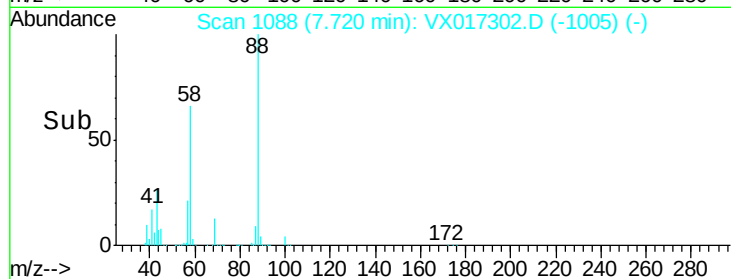
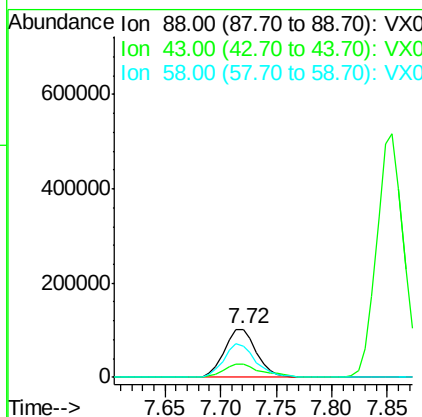
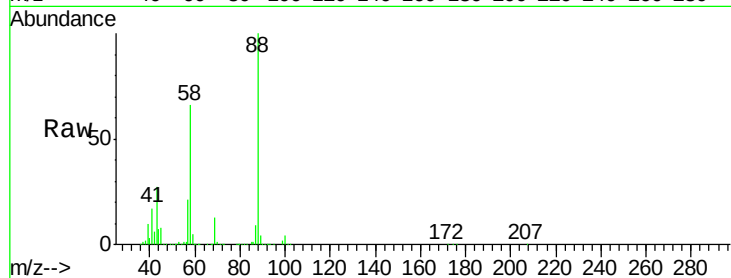
#45
1,4-Dioxane
Concen: 2861.394 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.5	29.0	43.4	
58	69.1	58.3	87.5	

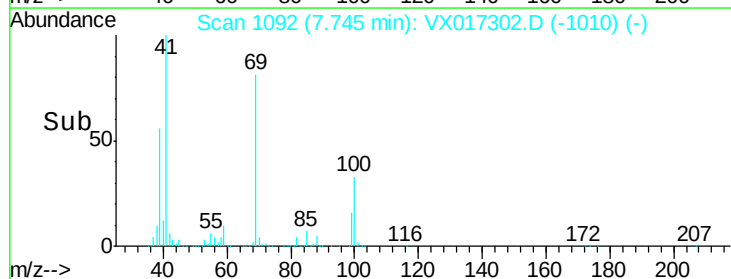
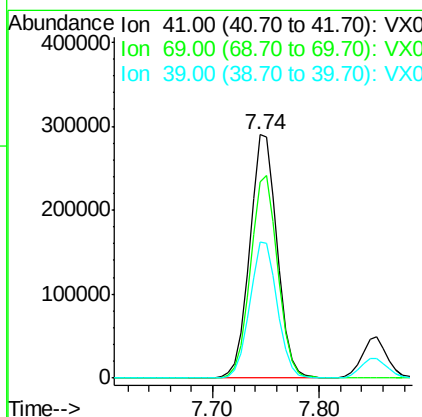
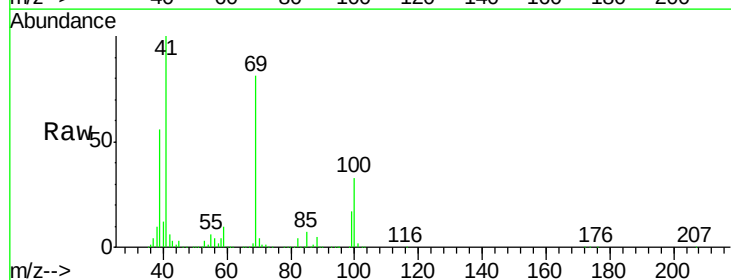
Manual Integrations
APPROVED

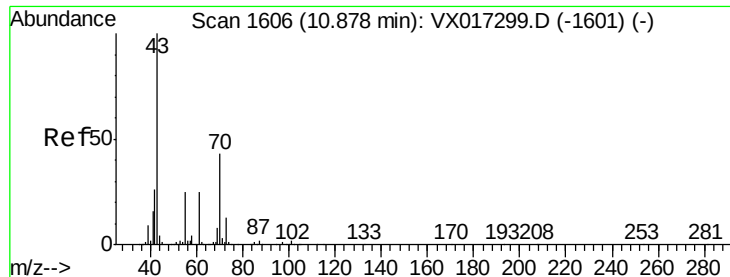
MMDadoda
7/10/2020 12:36:39 PM



#46
Methyl methacrylate
Concen: 154.599 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	80.8	41.1	123.3	
39	55.9	29.2	87.6	





#47

n-amvl Acetate

Concen: 150.370 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 963999

Ion Ratio Lower Upper

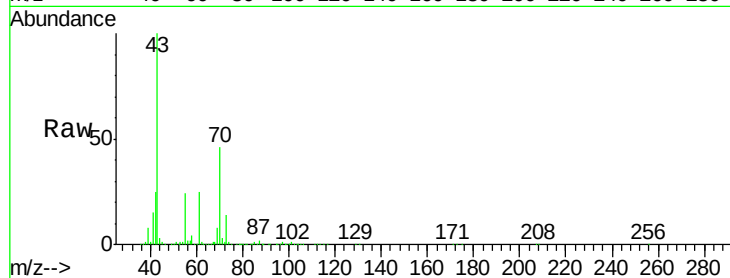
43 100

55 24.2 20.4 30.6

Manual Integrations
APPROVED

MMDadoda

7/10/2020 12:36:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

800000

600000

400000

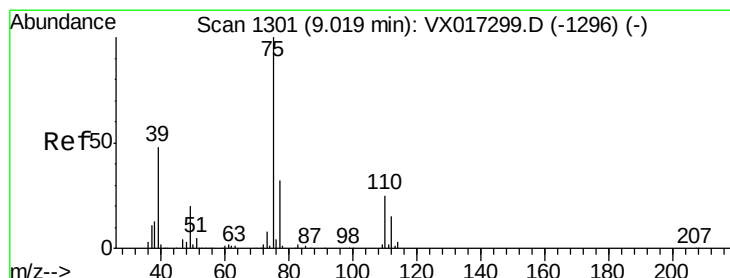
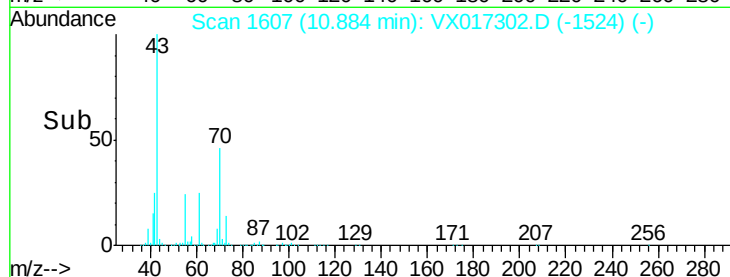
200000

0

10.80

10.90

Time-->



#48

t-1,3-Dichloropropene

Concen: 151.958 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX017302.D

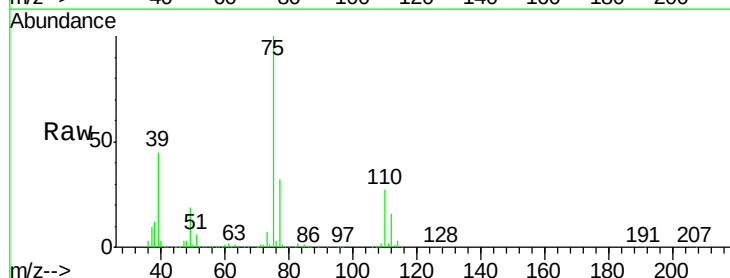
Acq: 09 Jul 2020 12:00

Tgt Ion: 75 Resp: 750806

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

600000

500000

400000

300000

200000

100000

0

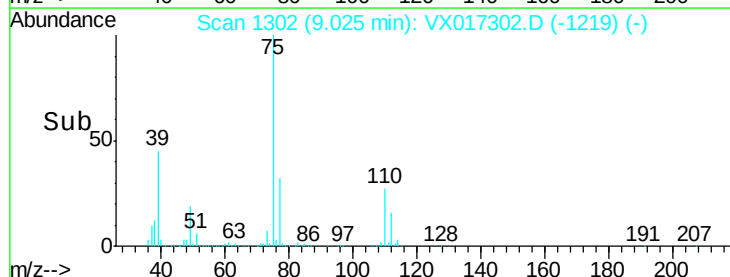
8.95

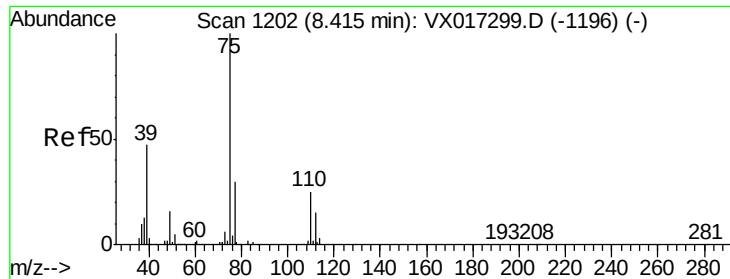
9.00

9.05

9.10

Time-->





#49

cis-1,3-Dichloropropene

Concen: 147.061 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

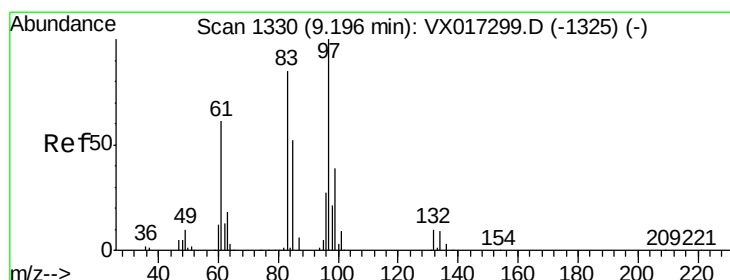
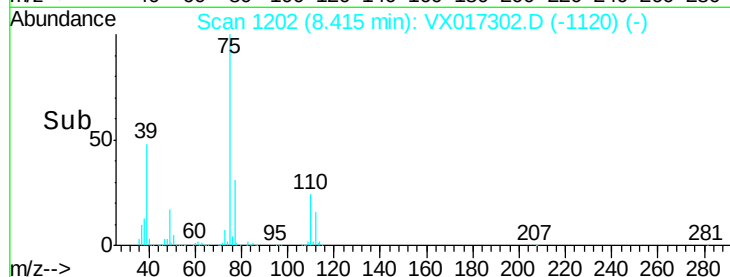
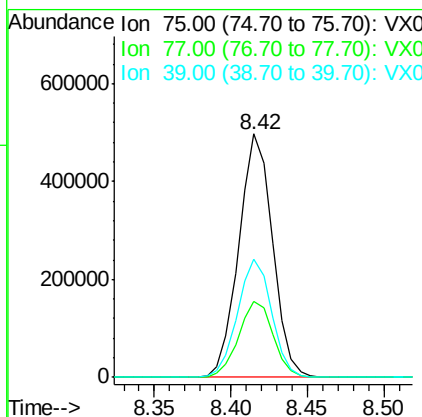
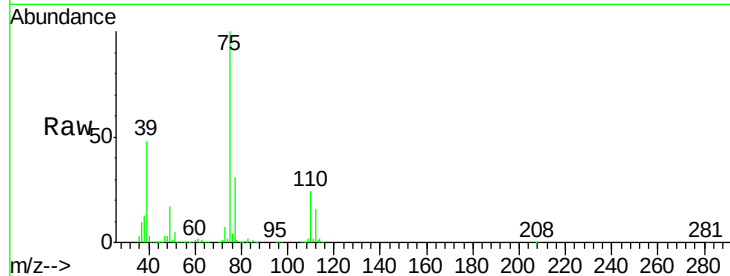
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	762279
Ion	Ratio	Lower	Upper
75	100		
77	31.2	23.6	35.4
39	48.2	37.5	56.3

Manual Integrations
APPROVED

MMDadoda
7/10/2020 12:36:39 PM



#50

1,1,2-Trichloroethane

Concen: 150.141 ug/l

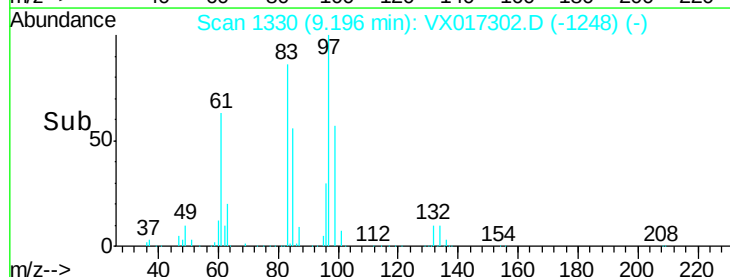
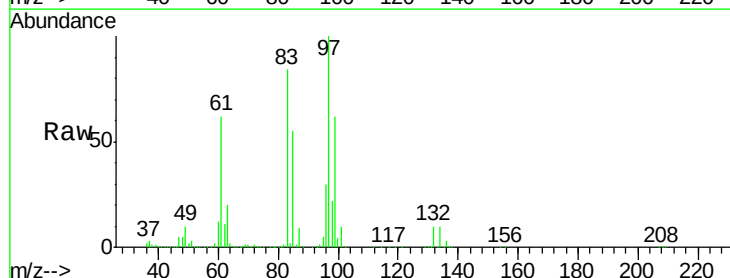
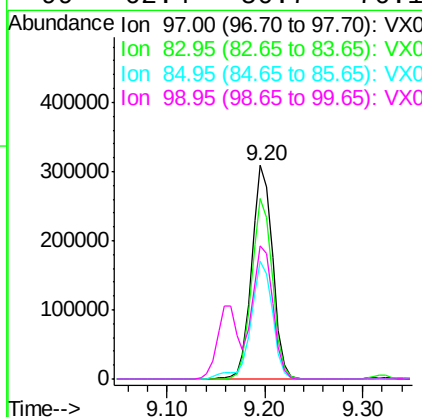
RT: 9.20 min Scan# 1330

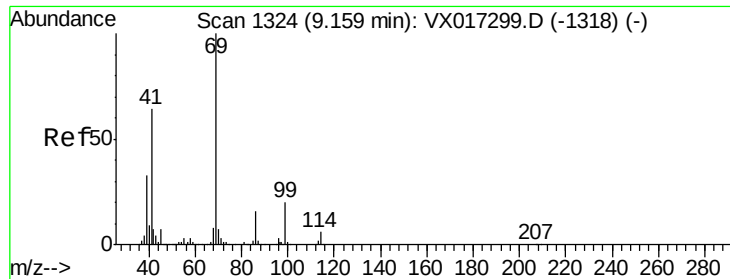
Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Tgt Ion:	97	Resp:	457210
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.9	101.9
85	55.3	42.6	64.0
99	62.4	50.7	76.1





#51

Ethyl methacrylate

Concen: 161.340 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

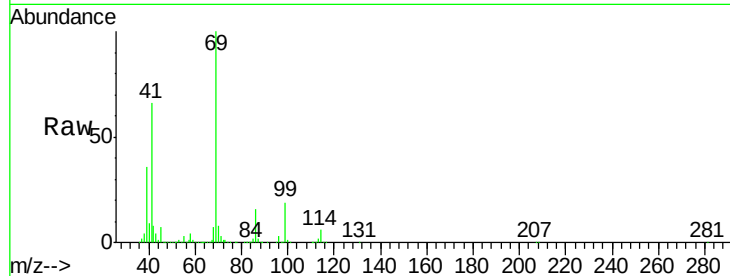
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	742258
Ion Ratio	Lower	Upper	
69	100		
41	65.6	32.1	96.5
39	36.2	16.3	48.9

Manual Integrations
APPROVED

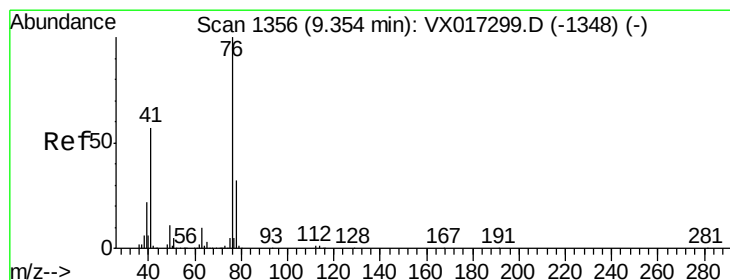
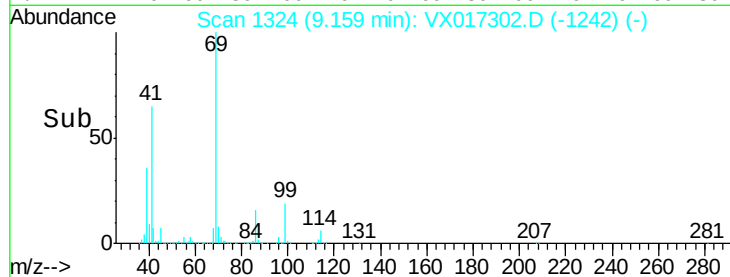
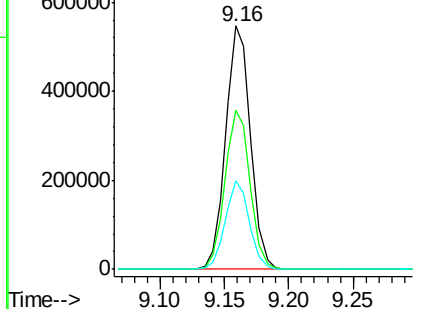
MMDadoda
7/10/2020 12:36:39 PM



Abundance Ion 69.00 (68.70 to 69.70): VX017302.D (-1242) (-)

Ion 41.00 (40.70 to 41.70): VX017302.D (-1242) (-)

Ion 39.00 (38.70 to 39.70): VX017302.D (-1242) (-)



#52

1,3-Dichloropropane

Concen: 148.247 ug/l

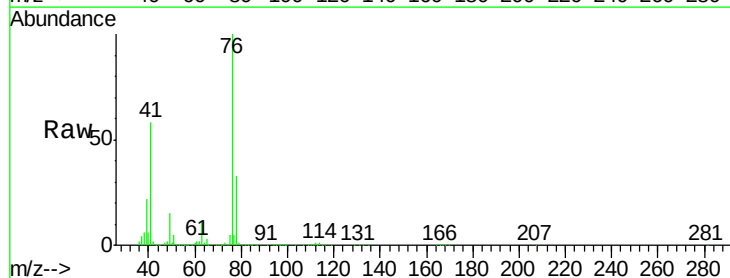
RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017302.D

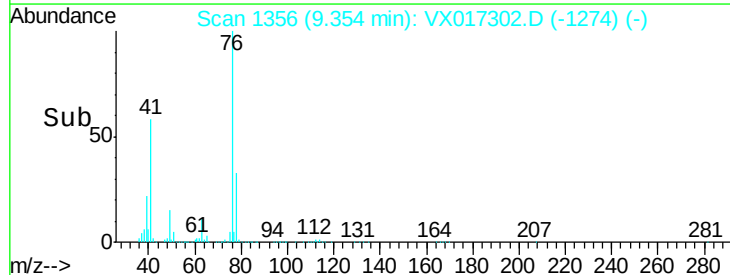
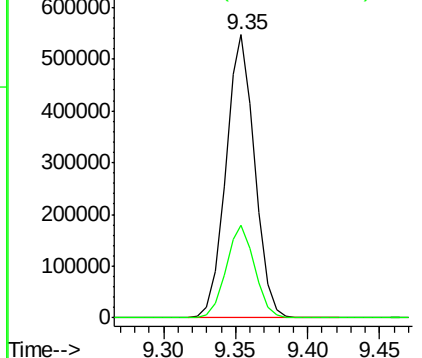
Acq: 09 Jul 2020 12:00

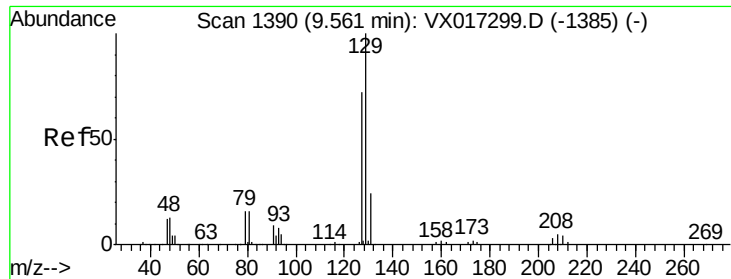
Tgt Ion:	76	Resp:	762374
Ion Ratio	Lower	Upper	
76	100		
78	32.6	0.0	65.6



Abundance Ion 76.00 (75.70 to 76.70): VX017302.D (-1274) (-)

Ion 78.00 (77.70 to 78.70): VX017302.D (-1274) (-)





#53

Dibromochloromethane

Concen: 165.343 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 584186

Ion Ratio Lower Upper

129 100

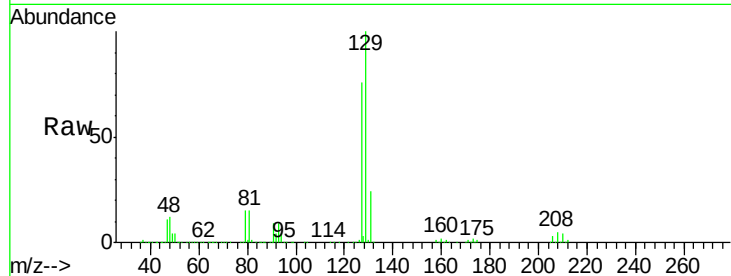
127 76.6 37.5 112.5

Manual Integrations

APPROVED

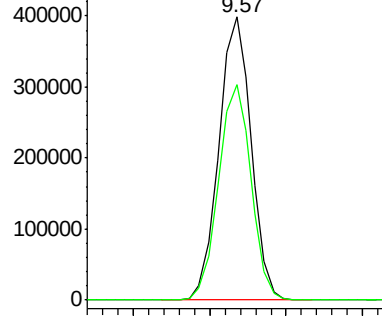
MMDadoda

7/10/2020 12:36:39 PM

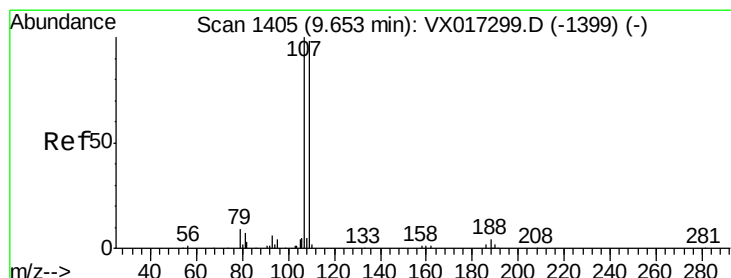
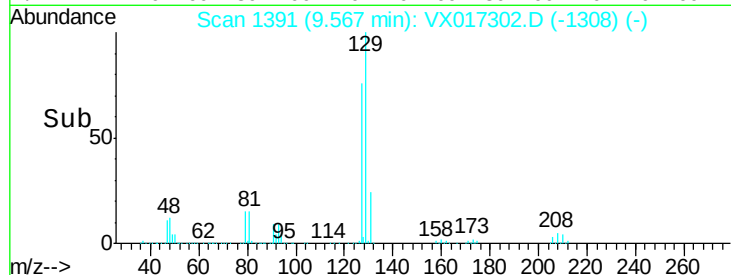


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#54

1,2-Dibromoethane

Concen: 155.514 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017302.D

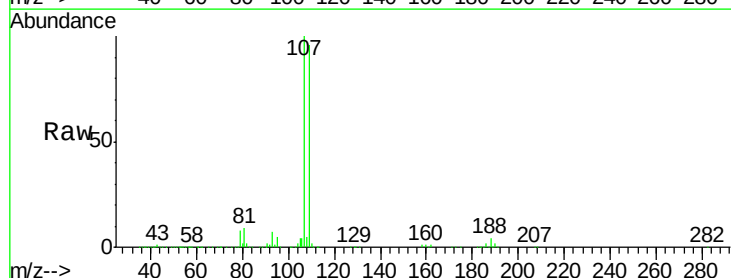
Acq: 09 Jul 2020 12:00

Tgt Ion:107 Resp: 502331

Ion Ratio Lower Upper

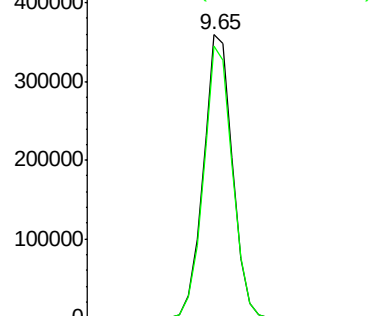
107 100

109 95.6 76.9 115.3

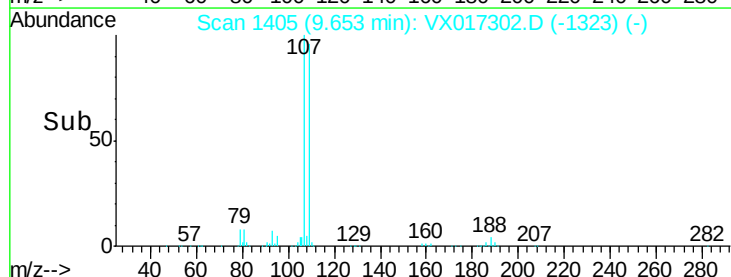


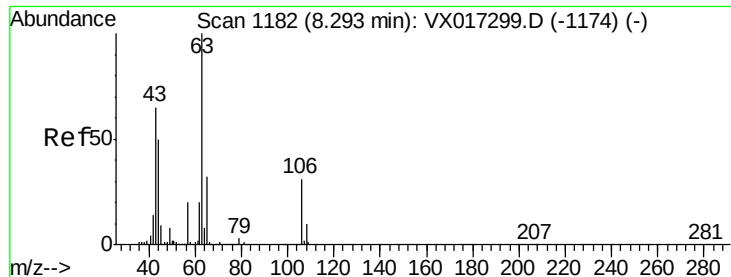
Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->





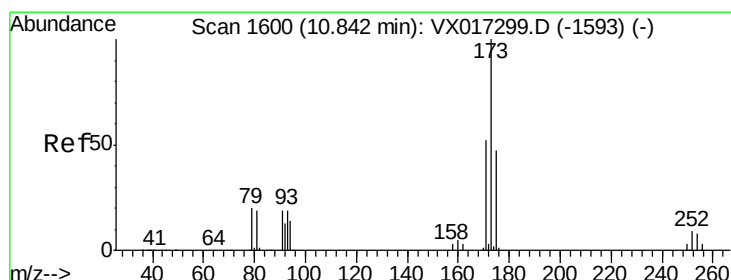
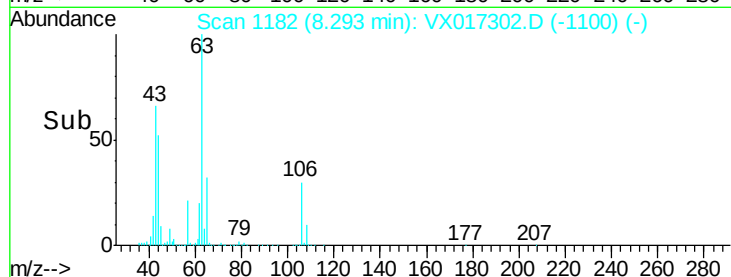
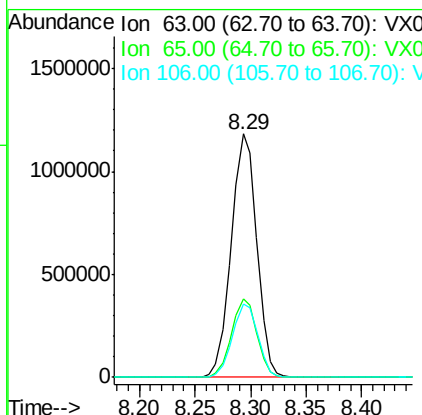
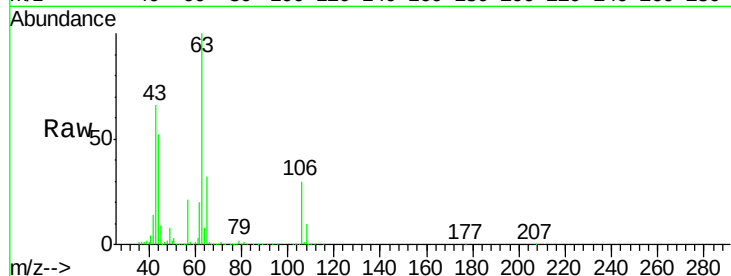
#55
2-Chloroethyl vinyl ether
Concen: 773.533 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 63 Resp: 1874720
Ion Ratio Lower Upper
63 100
65 32.0 25.4 38.0
106 30.3 24.5 36.7

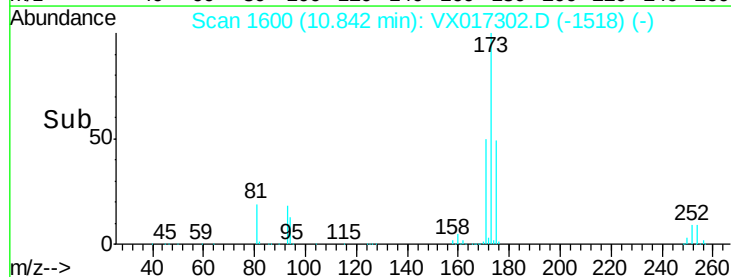
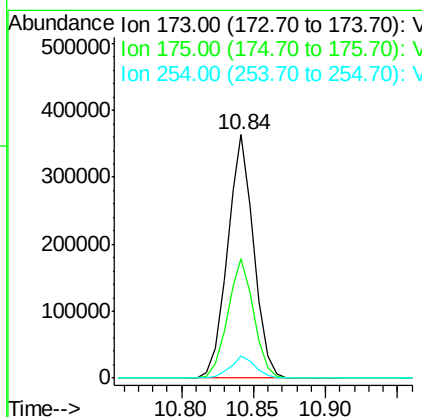
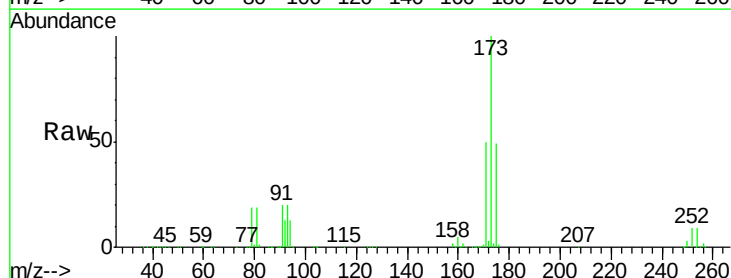
Manual Integrations
APPROVED

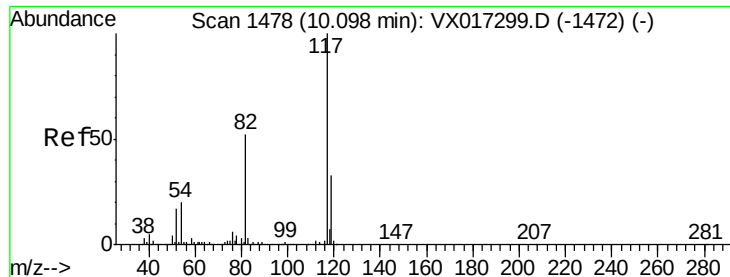
MMDadoda
7/10/2020 12:36:39 PM



#56
Bromoform
Concen: 180.909 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion: 173 Resp: 460908
Ion Ratio Lower Upper
173 100
175 48.8 38.4 57.6
254 8.7 7.0 10.4





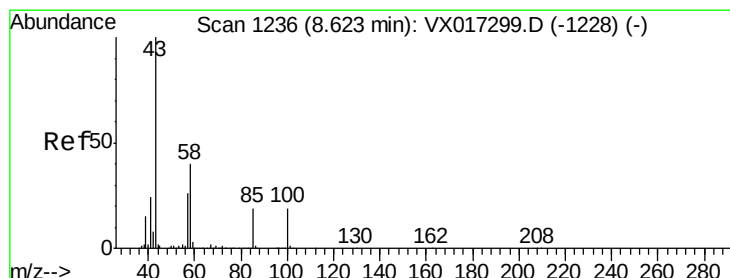
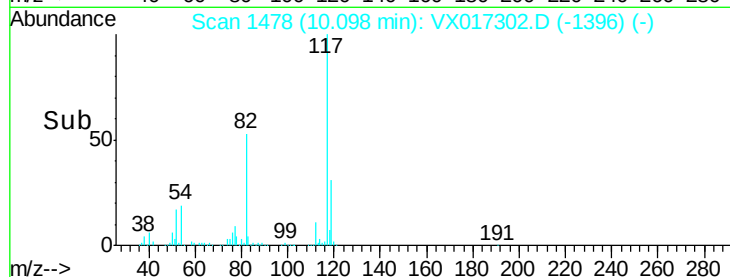
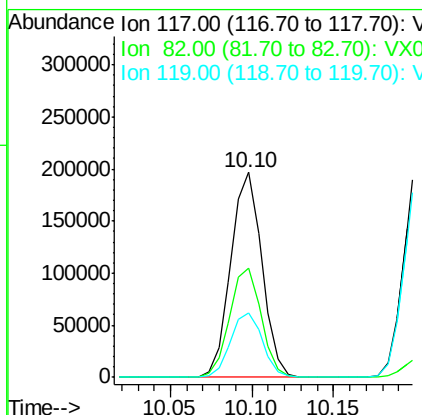
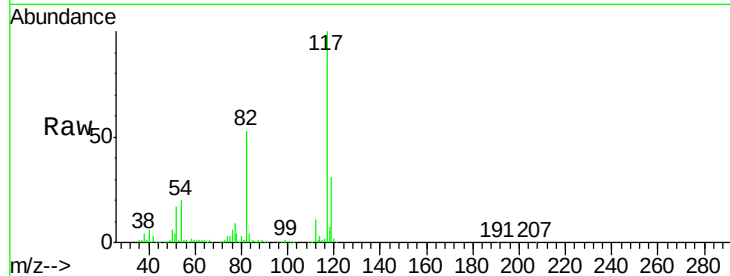
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.2	63.4
119	32.4	26.4	39.6

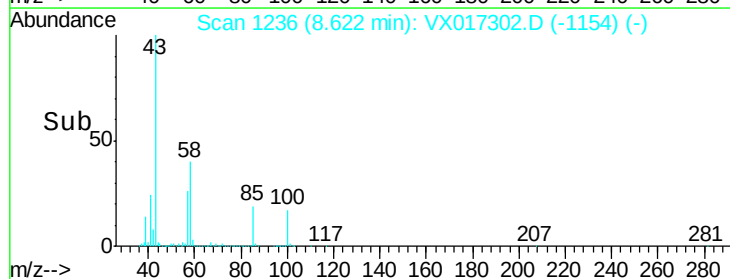
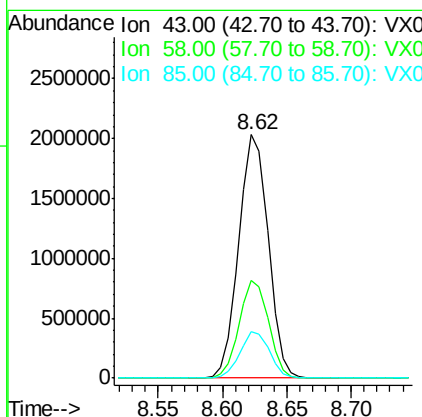
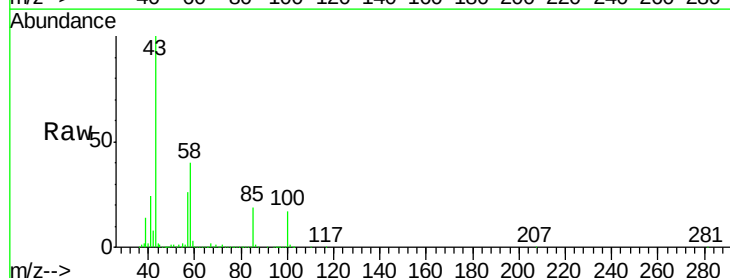
Manual Integrations
APPROVED

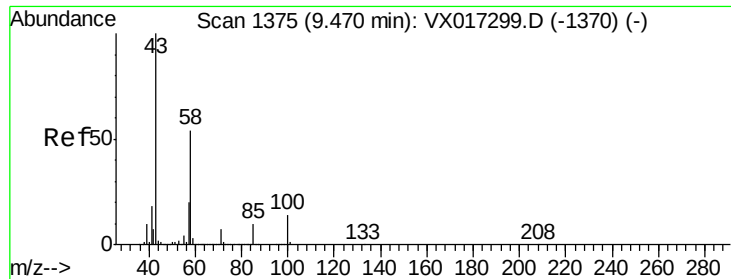
MMDadoda
7/10/2020 12:36:39 PM



#58
4-Methyl-2-Pentanone
Concen: 691.806 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.2	48.2
85	18.9	14.8	22.2





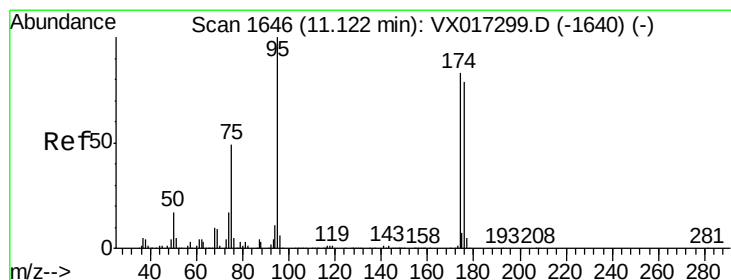
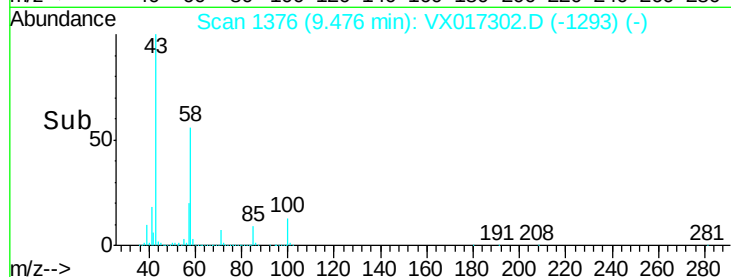
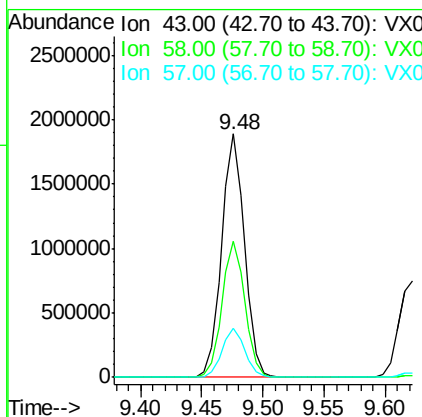
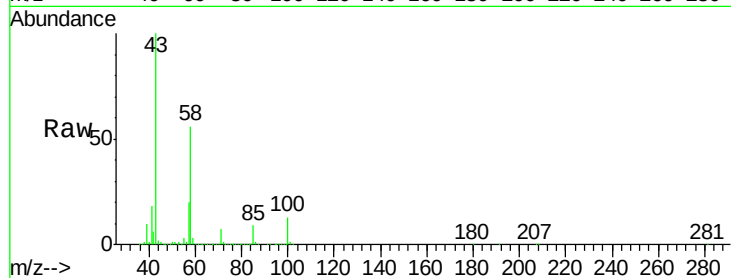
#59
2-Hexanone
Concen: 702.553 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2450594
Ion Ratio Lower Upper
43 100
58 55.7 43.4 65.0
57 19.9 15.1 22.7

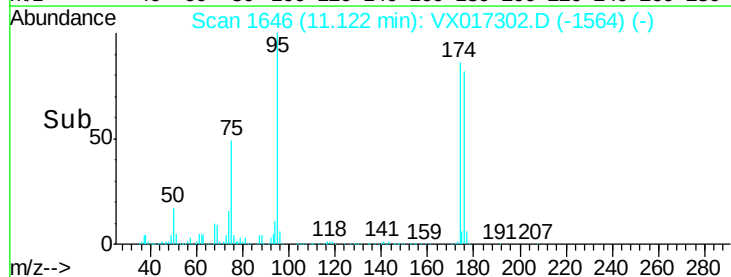
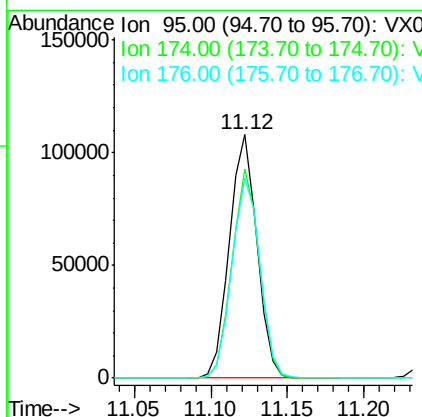
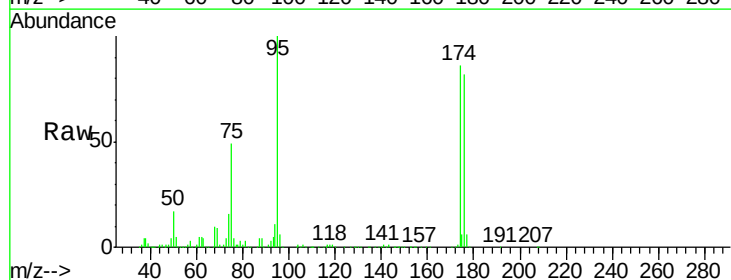
Manual Integrations
APPROVED

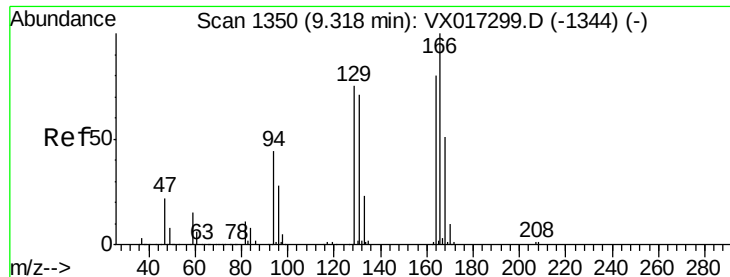
MMDadoda
7/10/2020 12:36:39 PM



#60
4-Bromofluorobenzene
Concen: 30.690 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion: 95 Resp: 134719
Ion Ratio Lower Upper
95 100
174 85.0 66.9 100.3
176 83.5 65.5 98.3





#61

Tetrachloroethene

Concen: 129.831 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

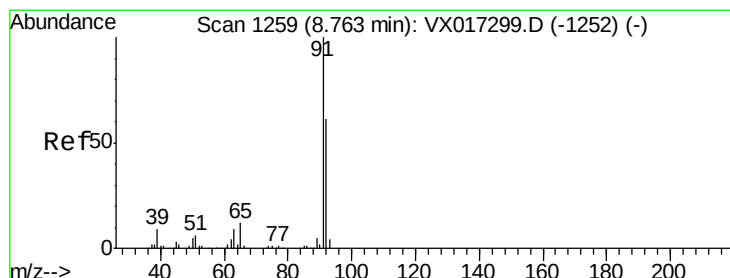
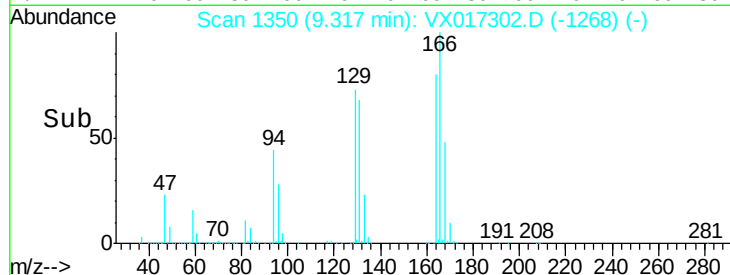
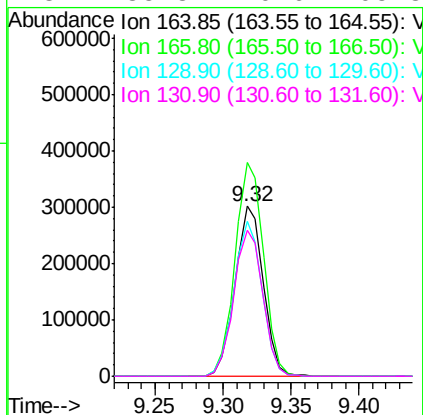
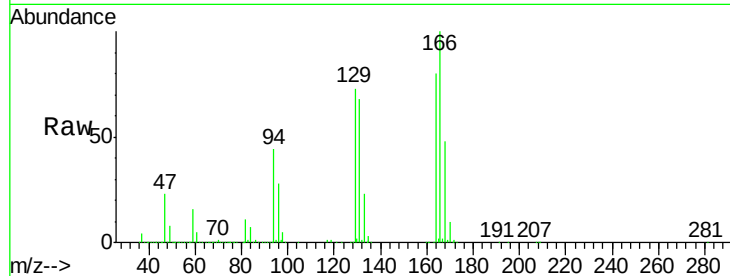
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.7	99.8	149.6
129	91.2	74.4	111.6
131	85.8	70.6	105.8

Manual Integrations
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MMDadoda
7/10/2020 12:36:39 PM



#62

Toluene

Concen: 127.456 ug/l

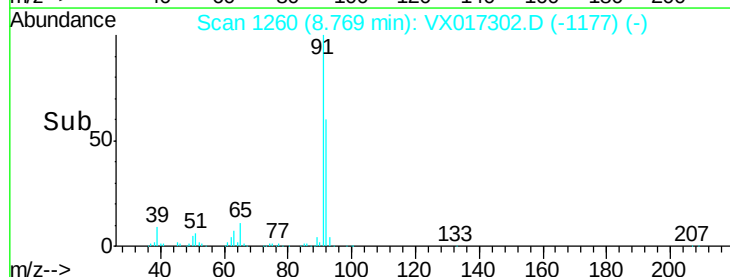
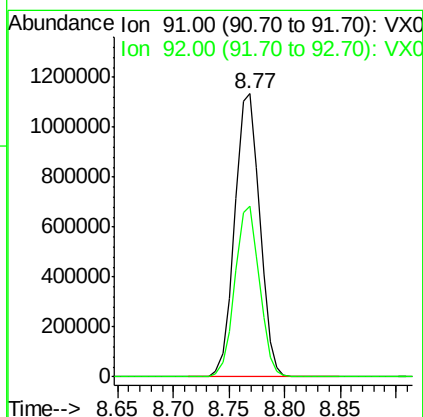
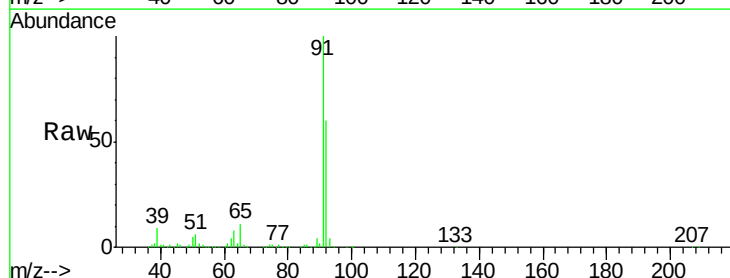
RT: 8.77 min Scan# 1260

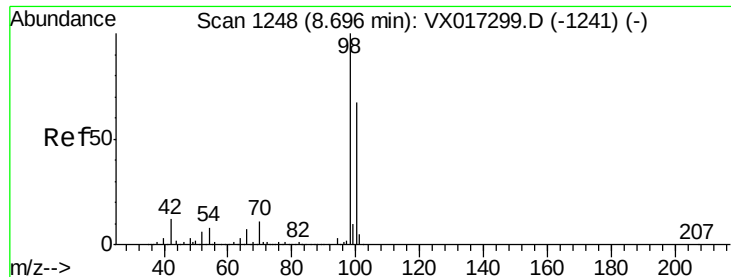
Delta R.T. 0.01 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.2	70.8





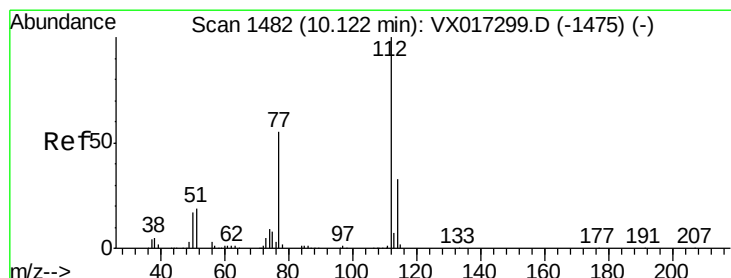
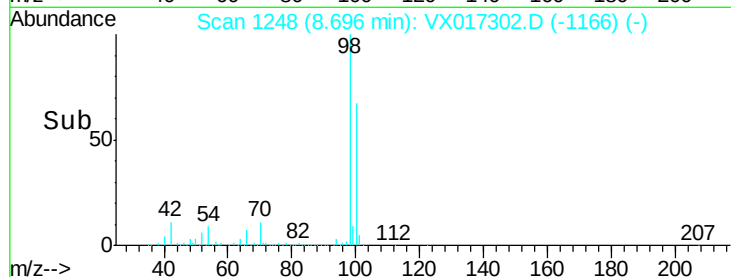
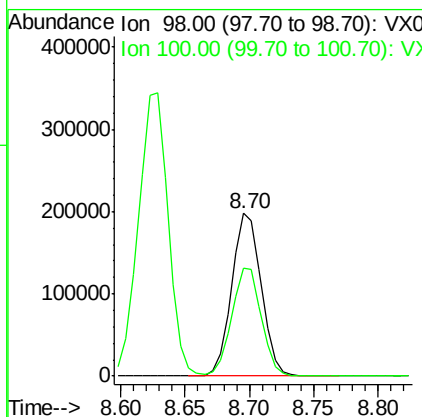
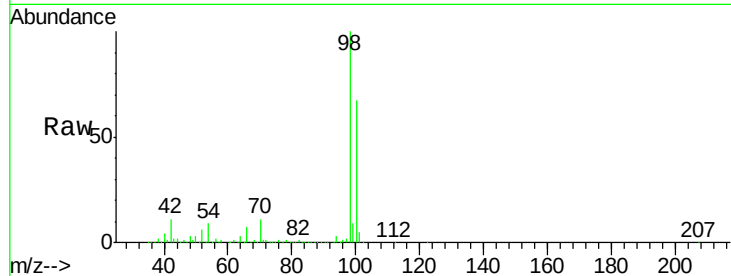
#63
Toluene-d8
Concen: 27.503 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 315548
Ion Ratio Lower Upper
98 100
100 66.9 52.8 79.2

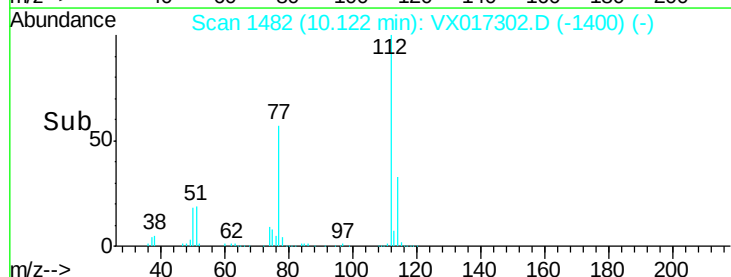
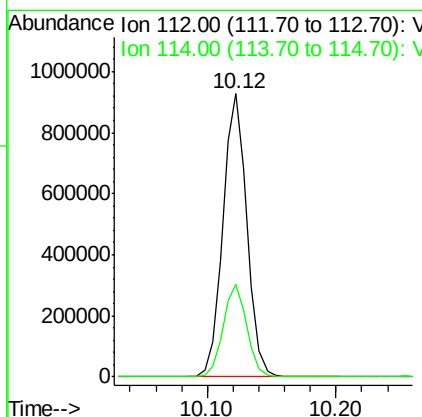
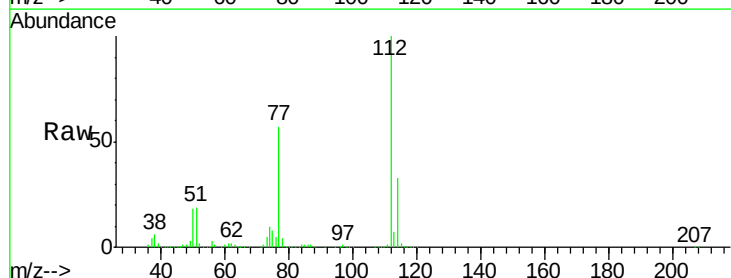
Manual Integrations
APPROVED

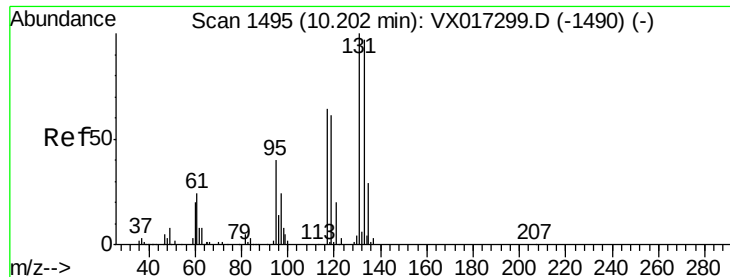
MMDadoda
7/10/2020 12:36:39 PM



#64
Chlorobenzene
Concen: 138.114 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion: 112 Resp: 1212099
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.2





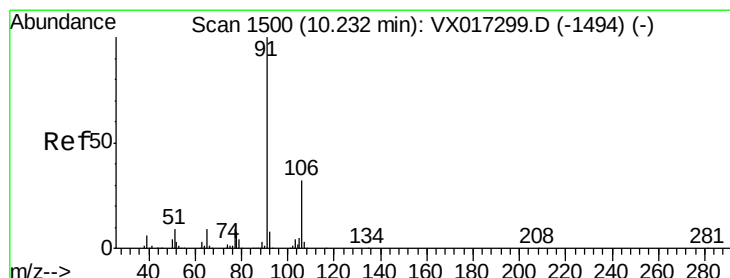
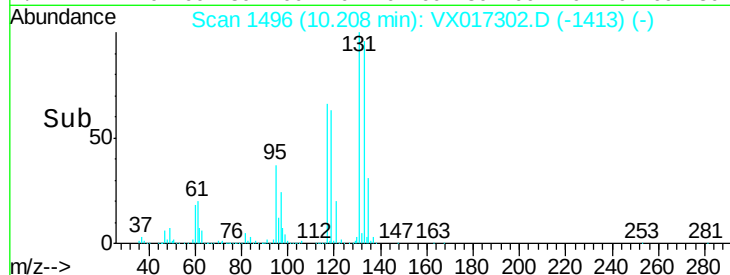
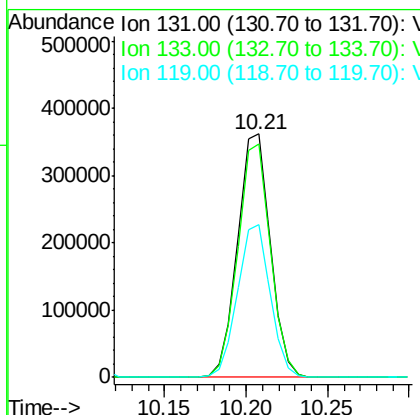
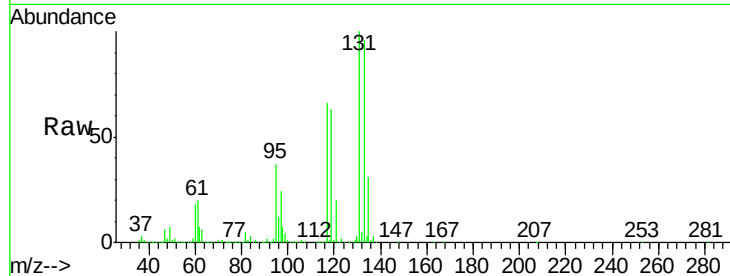
#65
 1,1,1,2-Tetrachloroethane
 Concen: 152.603 ug/l
 RT: 10.21 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
131	100			
133	95.2	0.0	196.8	
119	62.6	0.0	126.0	

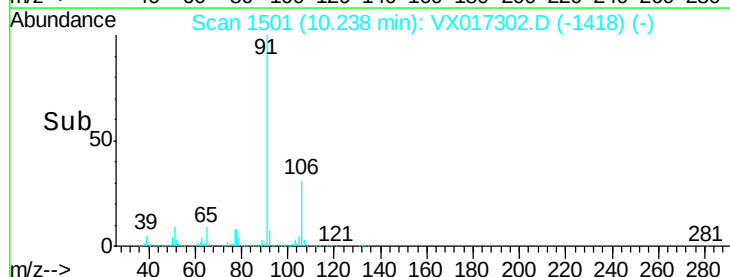
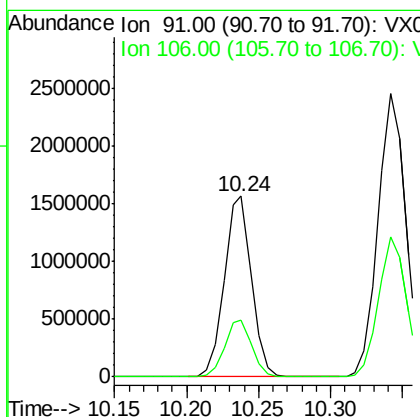
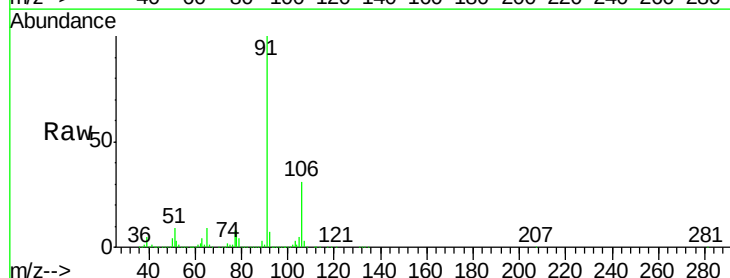
Manual Integrations
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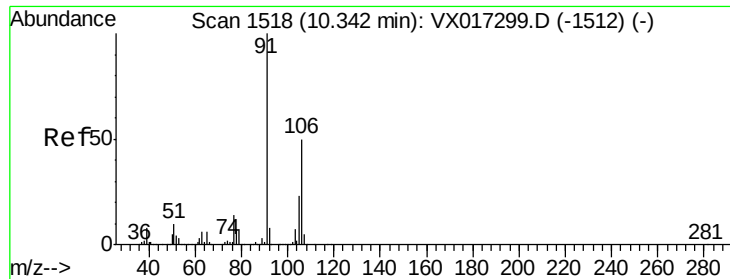
MMDadoda
 7/10/2020 12:36:39 PM



#66
 Ethyl Benzene
 Concen: 134.908 ug/l
 RT: 10.24 min Scan# 1501
 Delta R.T. 0.01 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
106	31.4	25.2	37.8	





#67

m/p-Xylenes

Concen: 273.090 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:106 Resp: 1597743

Ion Ratio Lower Upper

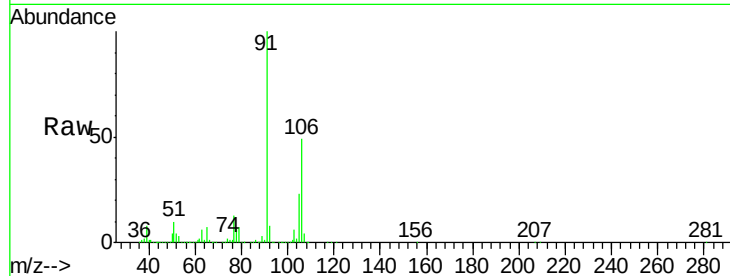
106 100

91 202.4 159.7 239.5

Manual Integrations
APPROVED

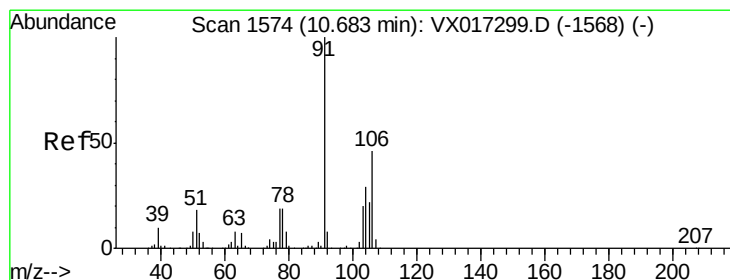
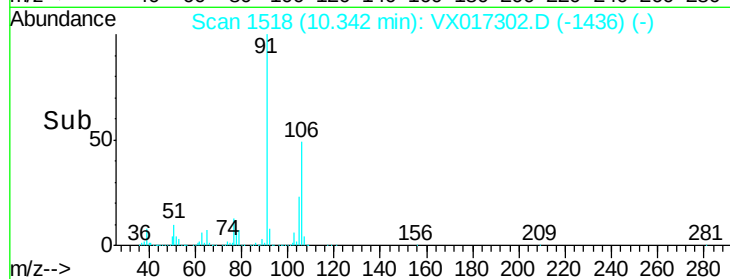
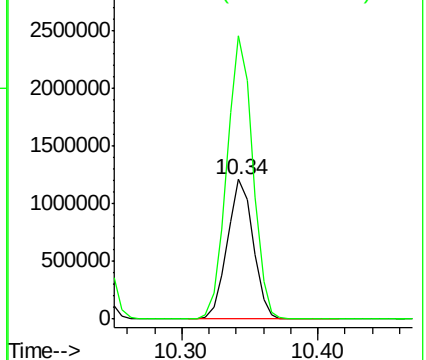
MMDadoda

7/10/2020 12:36:39 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 141.271 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017302.D

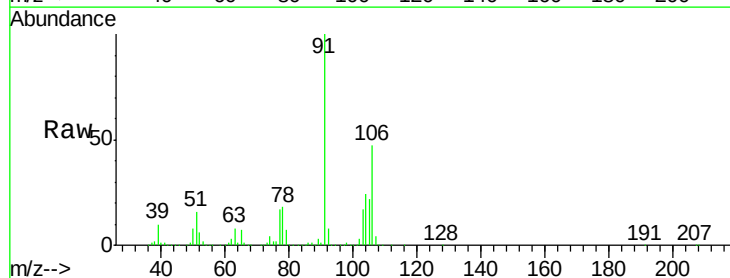
Acq: 09 Jul 2020 12:00

Tgt Ion:106 Resp: 786125

Ion Ratio Lower Upper

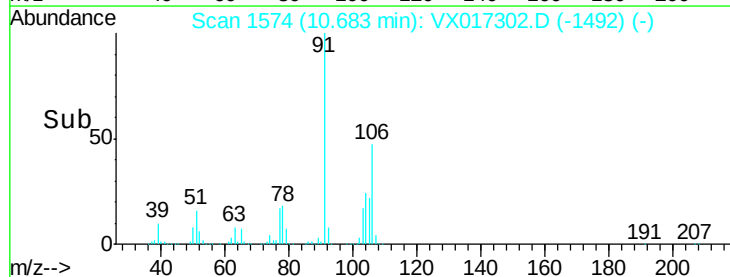
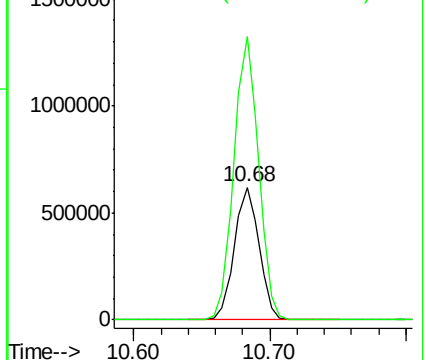
106 100

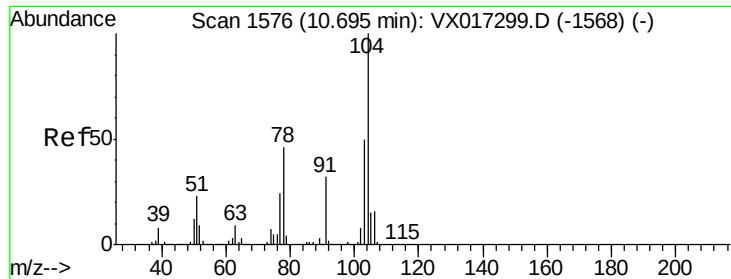
91 212.6 109.6 328.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





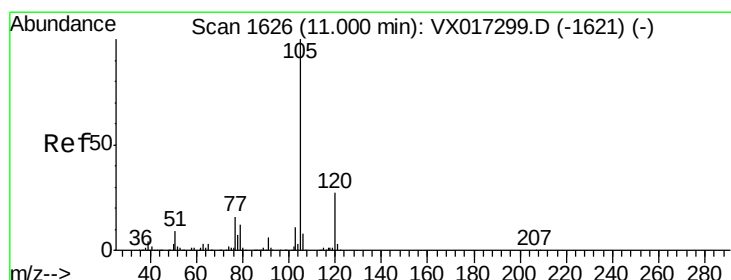
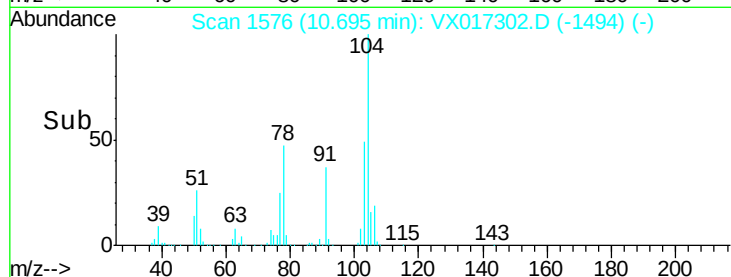
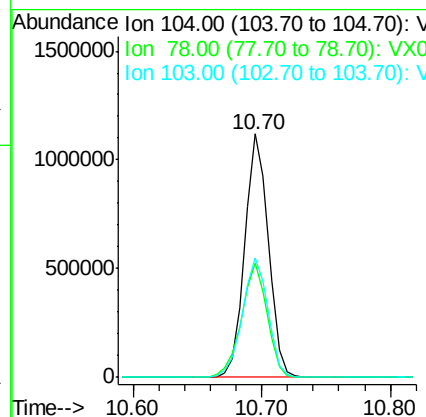
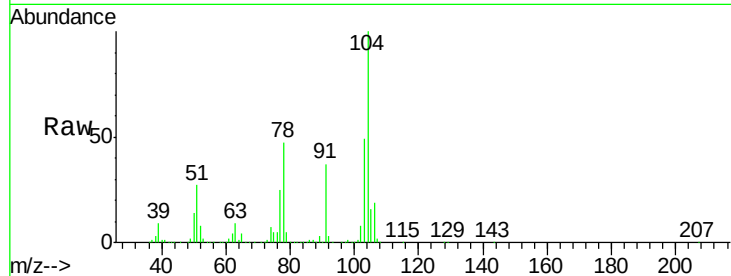
#69
Stvrene
Concen: 146.726 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.8	61.2
103	53.3	44.3	66.5

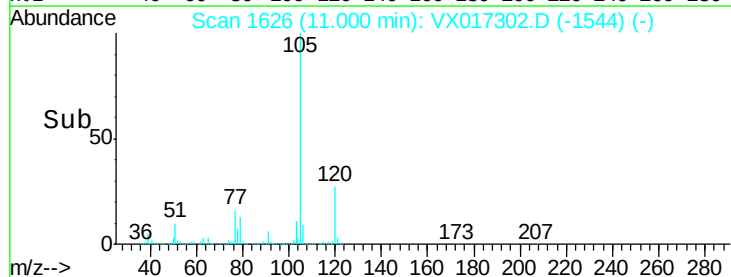
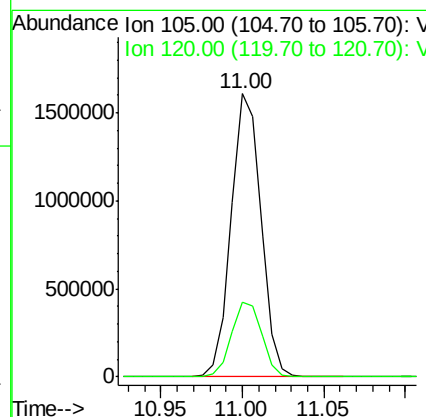
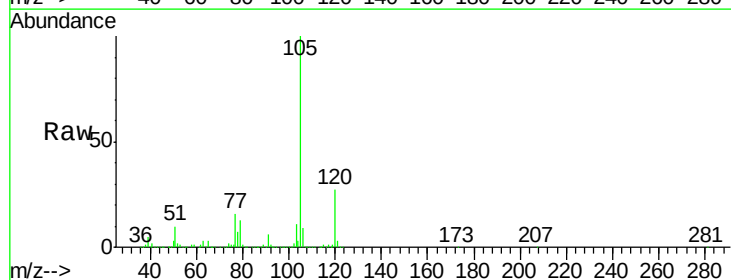
Manual Integrations
APPROVED

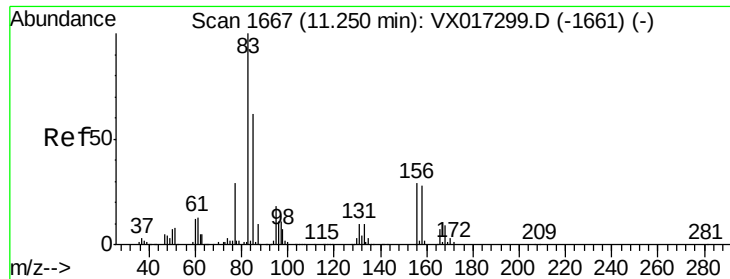
MMDadoda
7/10/2020 12:36:39 PM



#70
Isopropylbenzene
Concen: 134.018 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.3	35.8





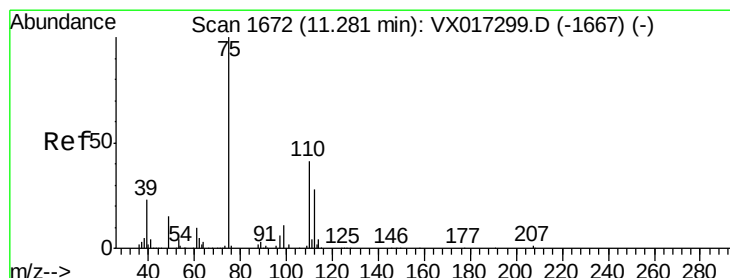
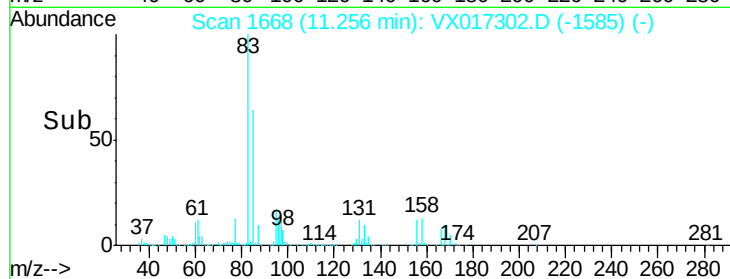
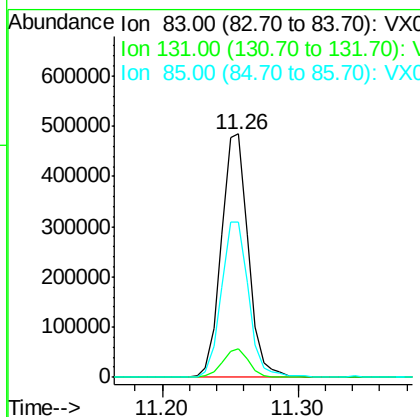
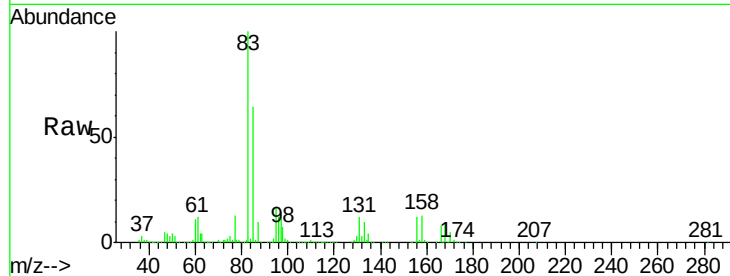
#71
 1,1,2,2-Tetrachloroethane
 Concen: 141.432 ug/l
 RT: 11.26 min Scan# 1668
 Delta R.T. 0.01 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	664935		
131	11.5		5.5	16.5
85	64.5		31.5	94.5

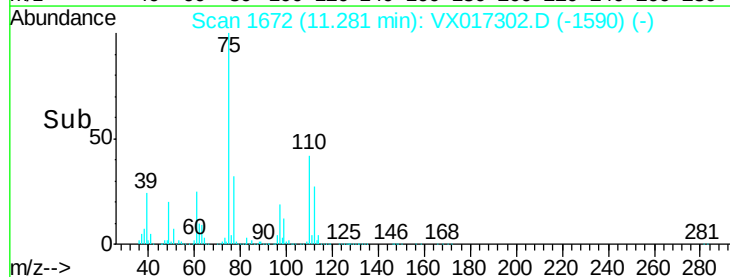
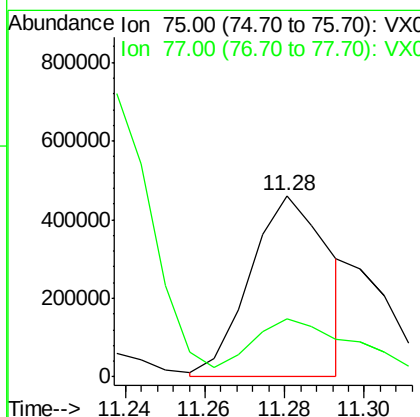
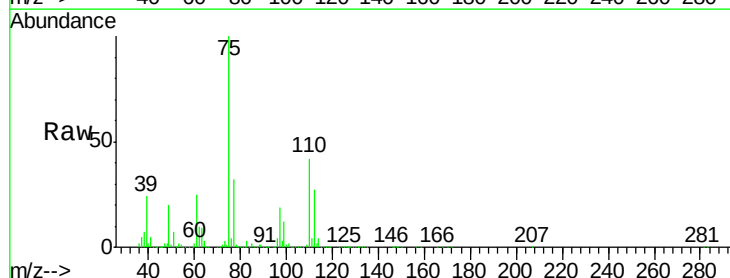
Manual Integrations
 APPROVED

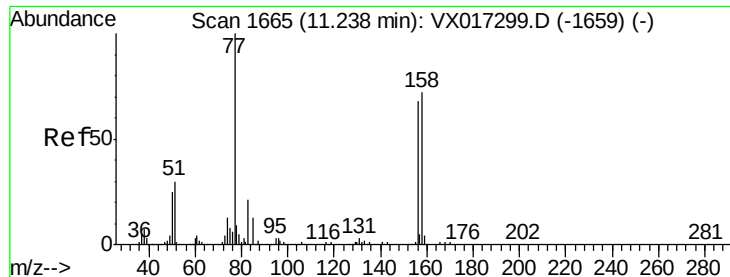
MMDadoda
 7/10/2020 12:36:39 PM



#72
 1,2,3-Trichloropropane
 Concen: 140.139 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	633323		
77	42.3		0.0	72.2





#73

Bromobenzene

Concen: 154.033 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

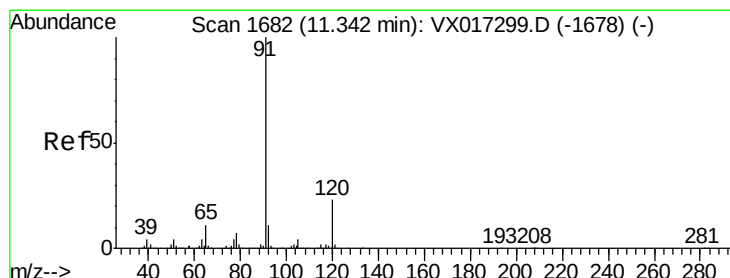
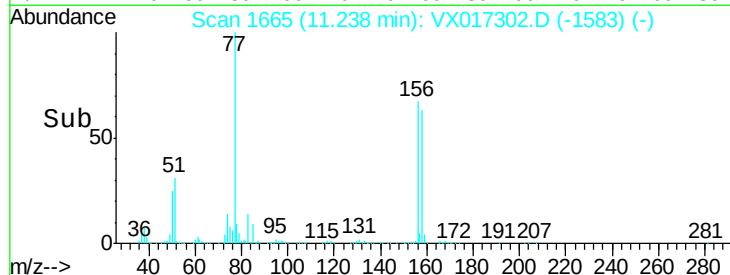
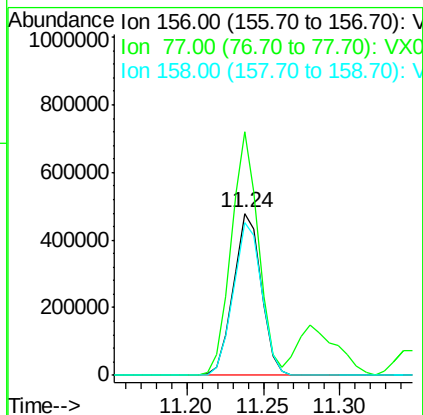
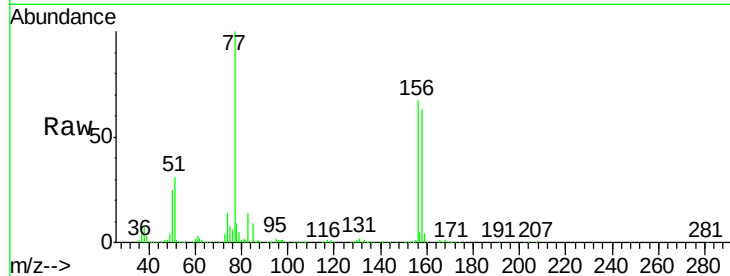
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	601362
Ion Ratio	Lower	Upper	
156	100		
77	147.0	0.0	299.2
158	96.4	0.0	199.0

Manual Integrations
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MMDadoda
7/10/2020 12:36:39 PM



#74

n-propylbenzene

Concen: 131.287 ug/l

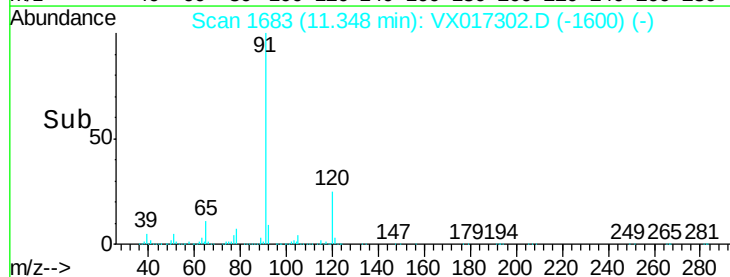
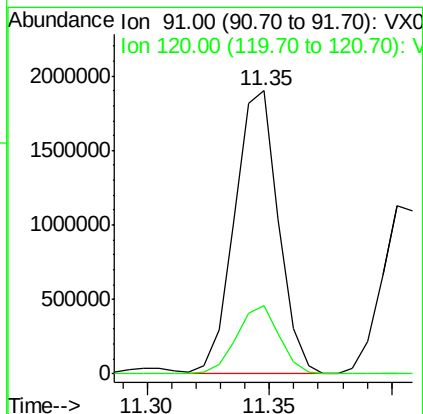
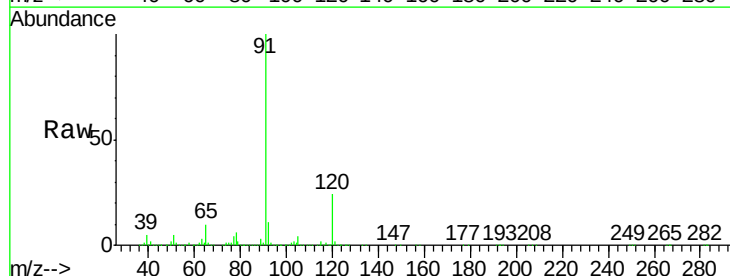
RT: 11.35 min Scan# 1683

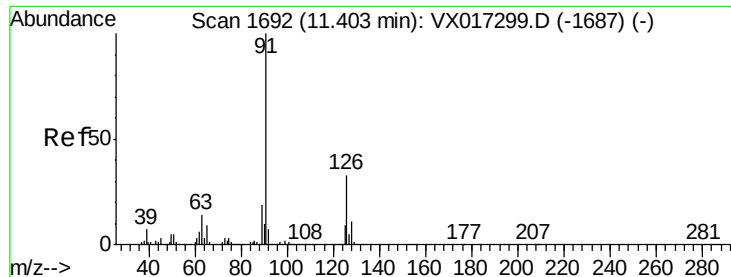
Delta R.T. 0.01 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Tgt Ion:	91	Resp:	2362764
Ion Ratio	Lower	Upper	
91	100		
120	23.6	0.0	48.4





#75

2-Chlorotoluene

Concen: 137.124 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1456606

Ion Ratio Lower Upper

91 100

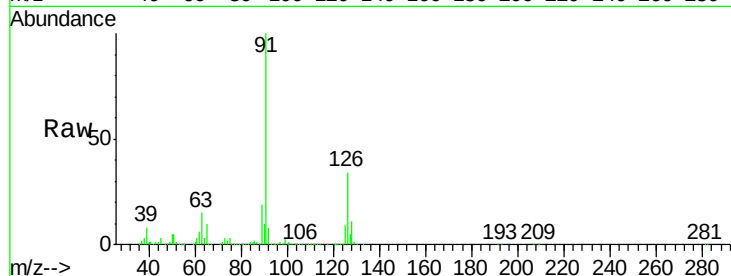
126 34.9 0.0 68.4

Manual Integrations

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MMDadoda

7/10/2020 12:36:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VX017299.D (-1687) (-)

Ion 126.00 (125.70 to 126.70): VX017299.D (-1687) (-)

2000000

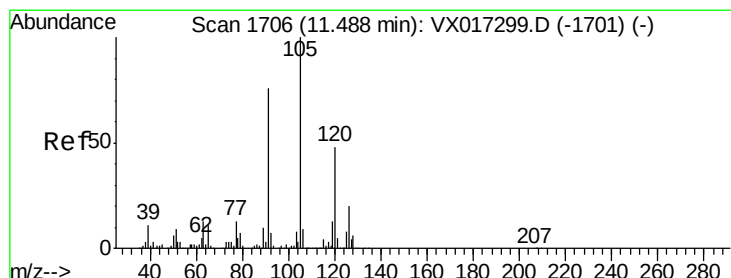
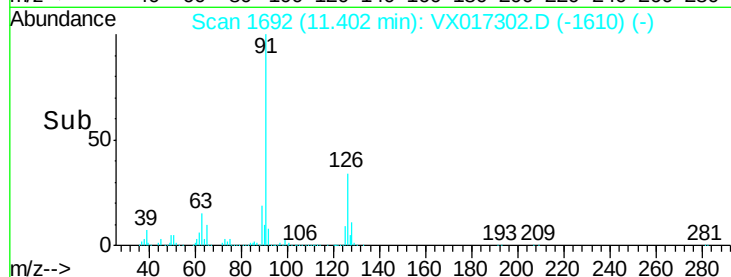
1500000

1000000

500000

0

Time--> 11.35 11.40 11.45



#76

1,3,5-Trimethylbenzene

Concen: 139.209 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX017302.D

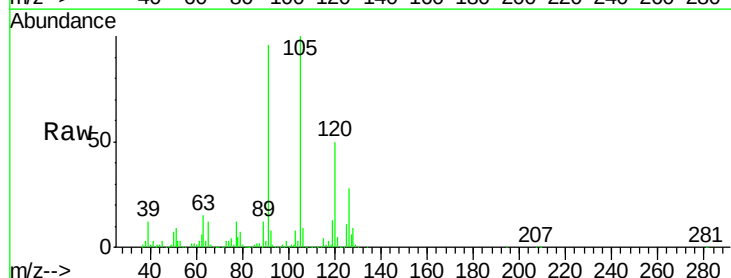
Acq: 09 Jul 2020 12:00

Tgt Ion:105 Resp: 1789004

Ion Ratio Lower Upper

105 100

120 49.4 0.0 98.8



Abundance Ion 105.00 (104.70 to 105.70): VX017299.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX017299.D (-1701) (-)

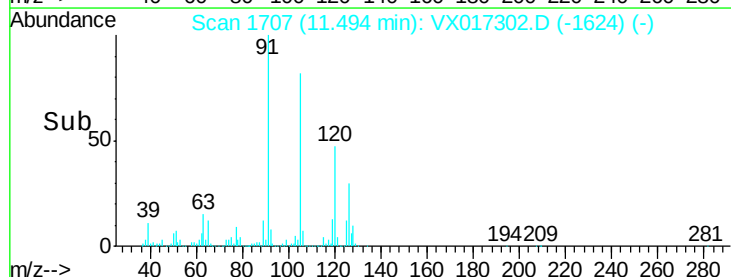
1500000

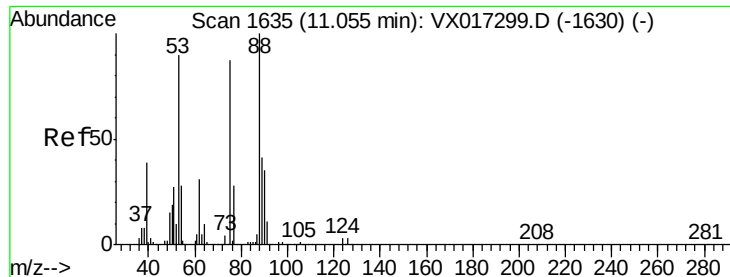
1000000

500000

0

Time--> 11.45 11.50





#77

t-1,4-Dichloro-2-butene

Concen: 146.920 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

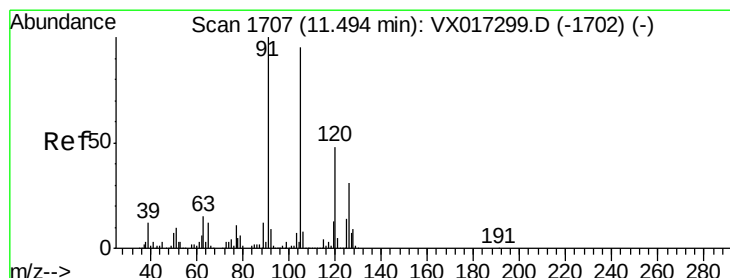
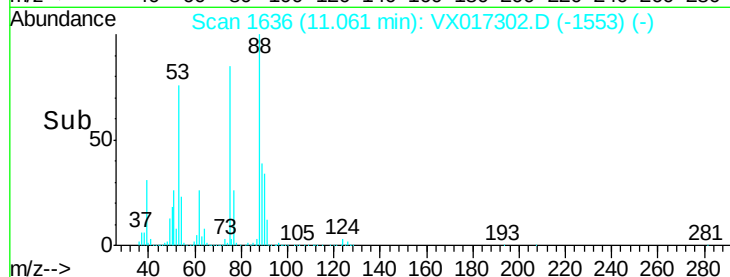
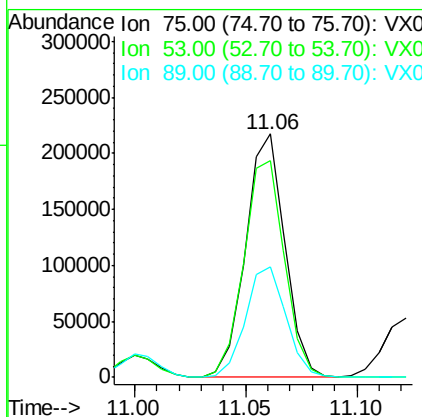
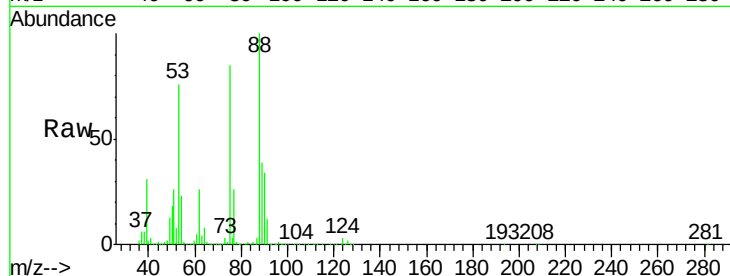
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	267142
Ion	Ratio	Lower	Upper
75	100		
53	89.1	52.1	156.3
89	45.3	23.7	71.1

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#78

4-Chlorotoluene

Concen: 138.206 ug/l

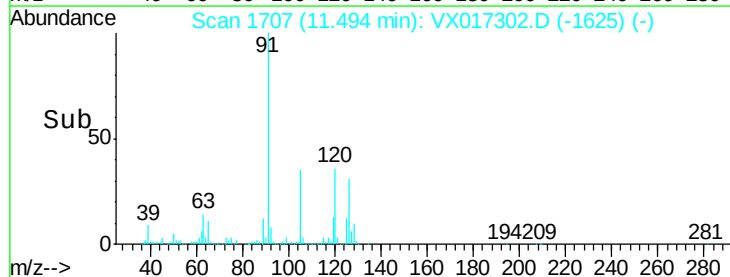
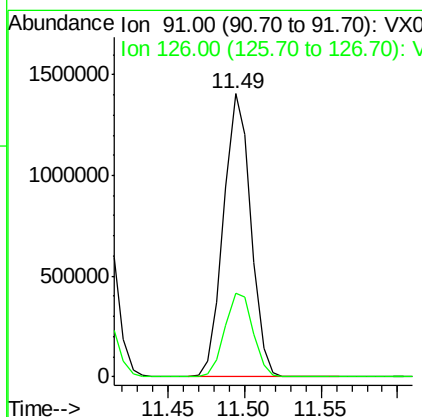
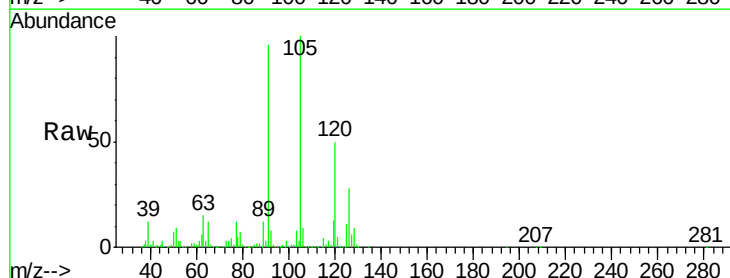
RT: 11.49 min Scan# 1707

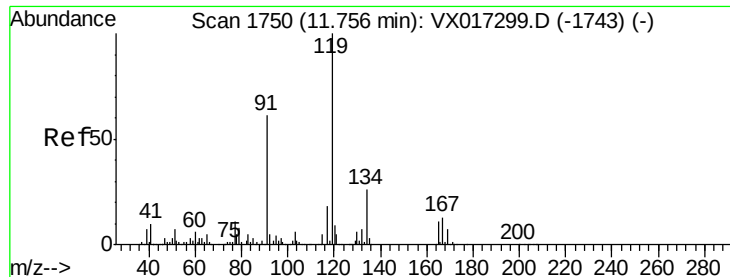
Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Tgt Ion:	91	Resp:	1734883
Ion	Ratio	Lower	Upper
91	100		
126	30.5	0.0	61.2





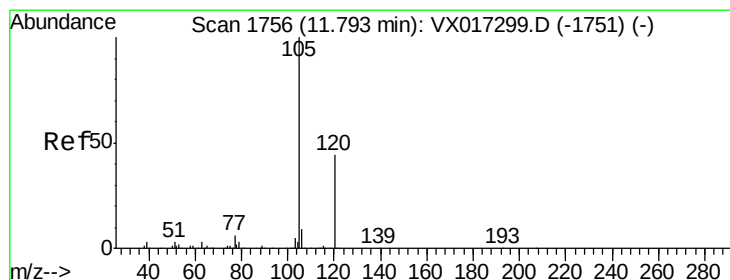
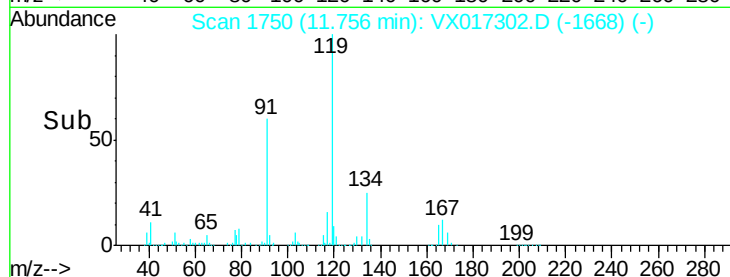
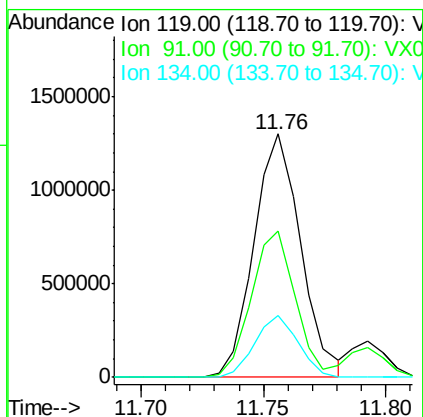
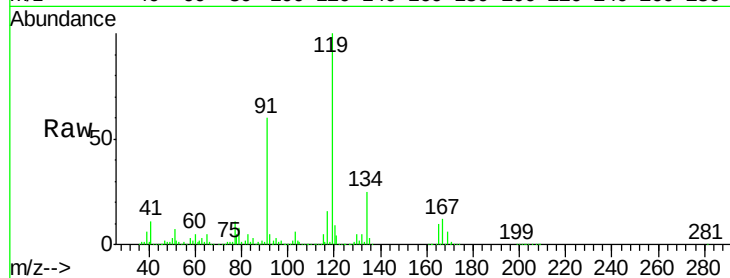
#79
tert-butylbenzene
Concen: 140.378 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.4	0.0	113.6
134	23.8	0.0	48.0

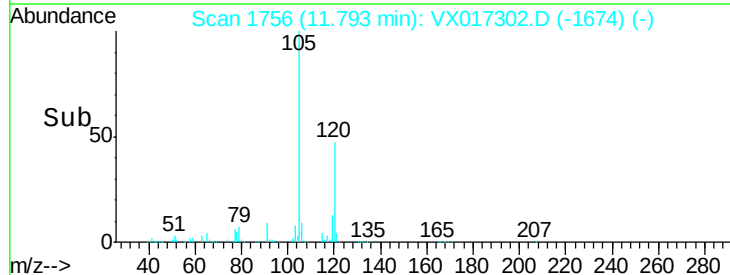
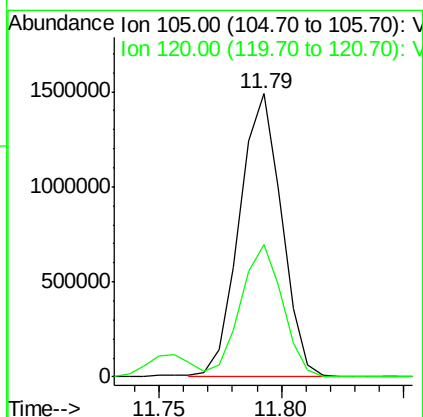
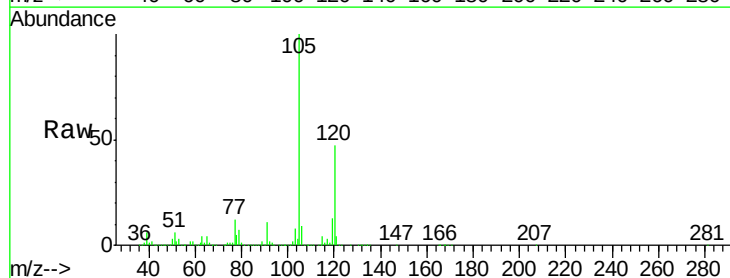
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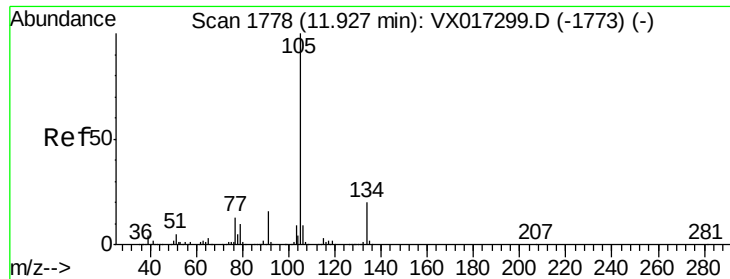
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#80
1,2,4-Trimethylbenzene
Concen: 138.984 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	0.0	93.6





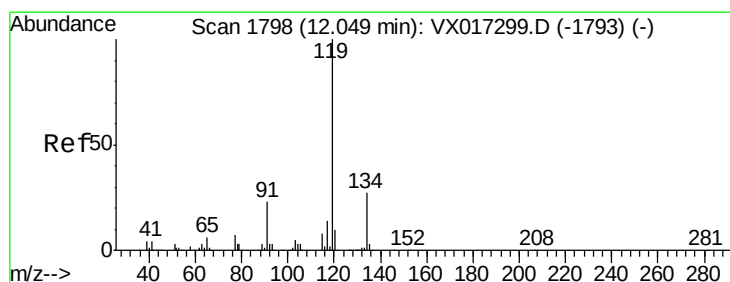
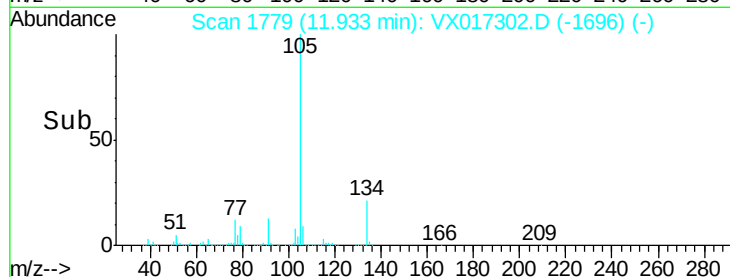
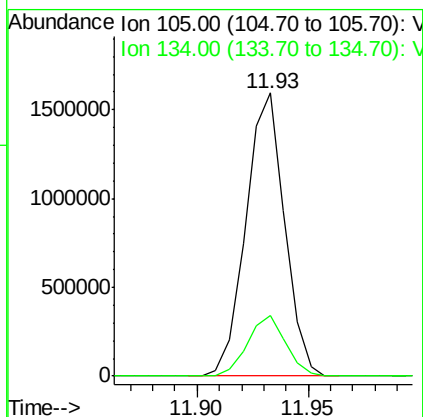
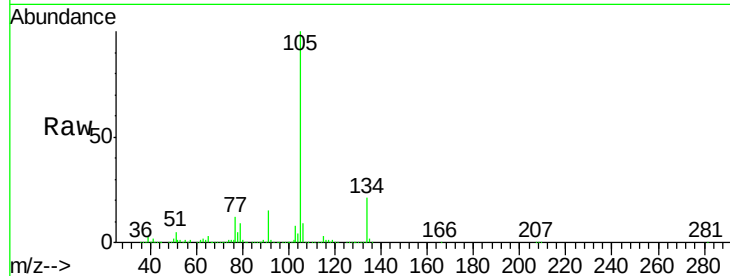
#81
 sec-Butylbenzene
 Concen: 130.901 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1936549
 Ion Ratio Lower Upper
 105 100
 134 21.1 0.0 41.8

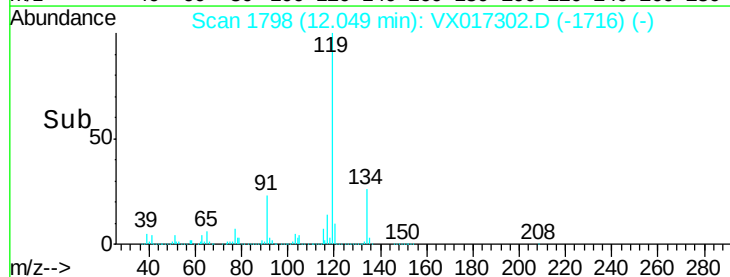
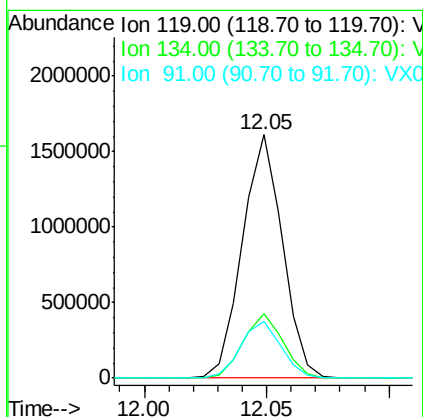
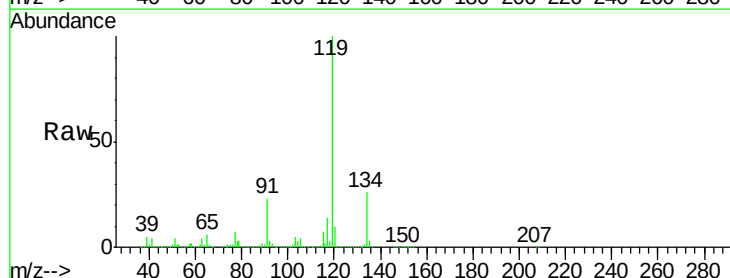
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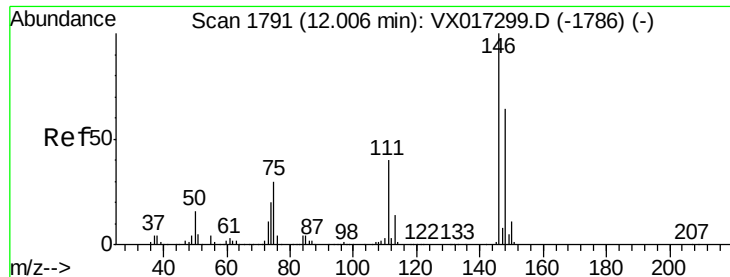
MMDadoda
 7/10/2020 12:36:39 PM



#82
 p-Isopropyltoluene
 Concen: 136.566 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Tgt Ion:119 Resp: 1837712
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 53.6
 91 23.6 0.0 48.0





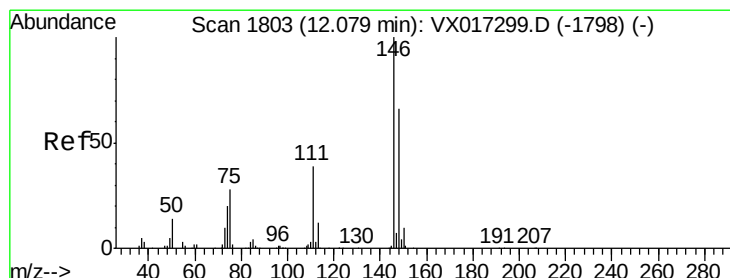
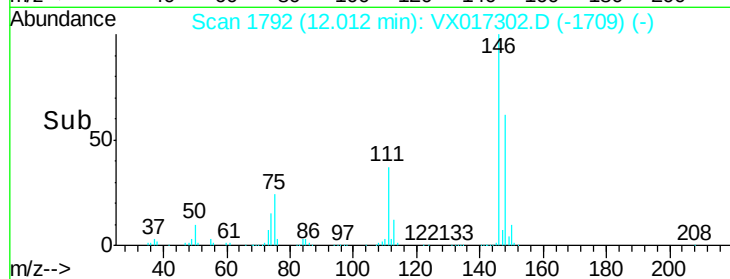
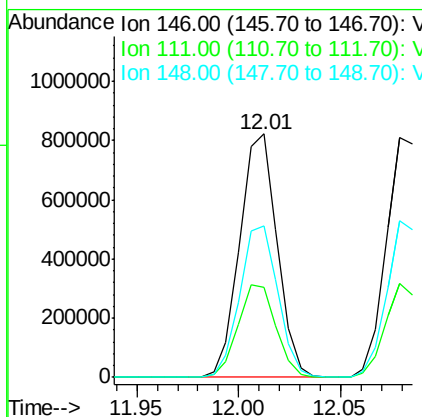
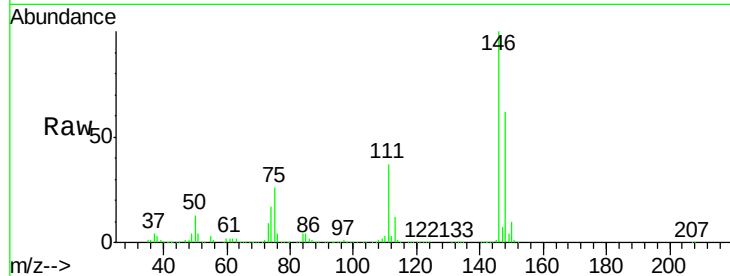
#83
 1,3-Dichlorobenzene
 Concen: 149.293 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1047129
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.5 58.5
 148 63.2 31.8 95.3

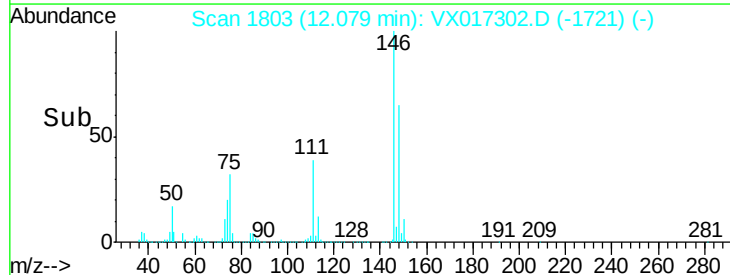
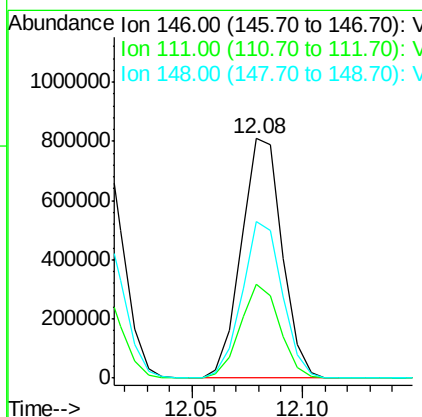
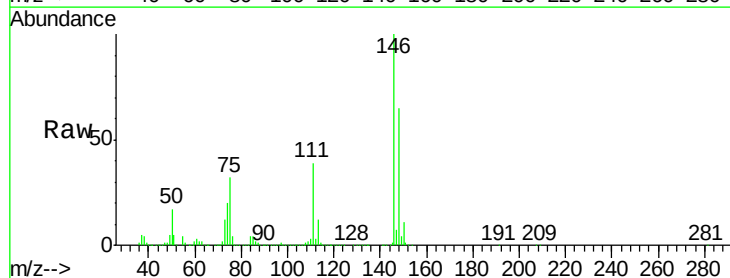
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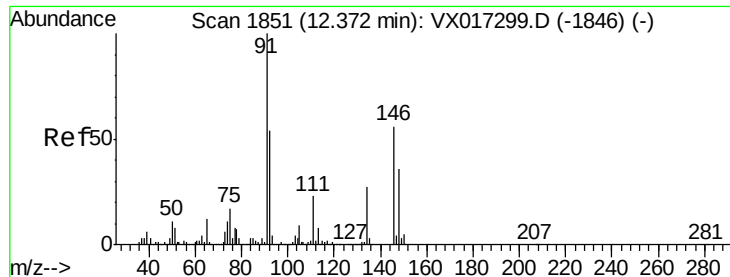
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#84
 1,4-Dichlorobenzene
 Concen: 147.404 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Tgt Ion:146 Resp: 1038432
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.3
 148 63.8 32.6 97.8





#85

n-Butylbenzene

Concen: 125.322 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX017302.D

Acq: 09 Jul 2020 12:00

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 91 Resp: 1538542

Ion Ratio Lower Upper

91 100

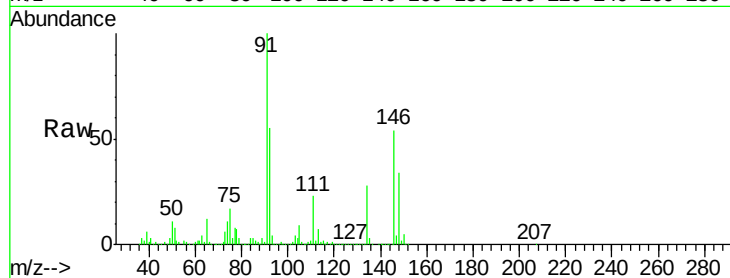
92 54.3 0.0 108.2

134 28.4 0.0 54.2

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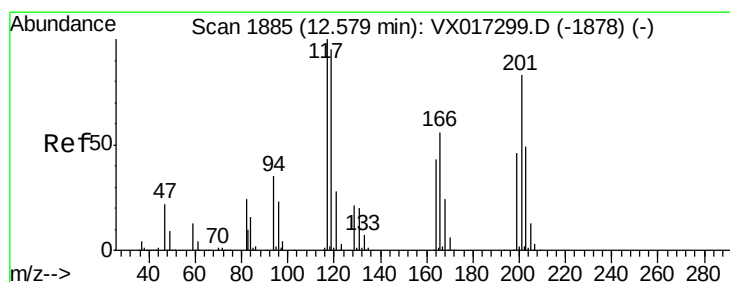
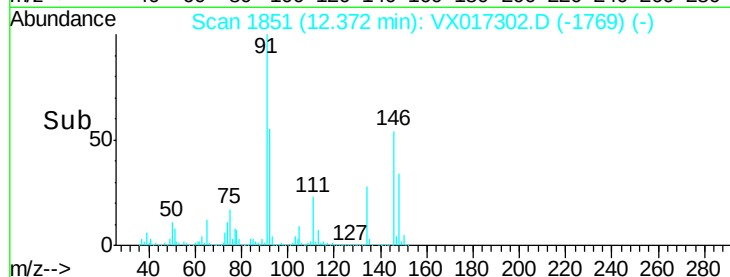
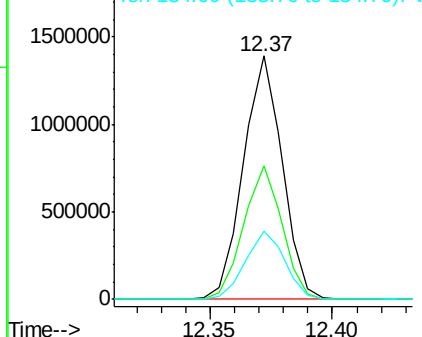
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Abundance Ion 91.00 (90.70 to 91.70): VX017299.D (-1846) (-)

Ion 92.00 (91.70 to 92.70): VX017299.D (-1846) (-)

Ion 134.00 (133.70 to 134.70): VX017299.D (-1846) (-)



#86

Hexachloroethane

Concen: 137.383 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX017302.D

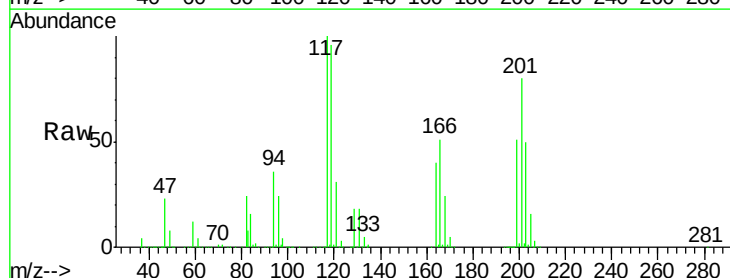
Acq: 09 Jul 2020 12:00

Tgt Ion: 117 Resp: 359596

Ion Ratio Lower Upper

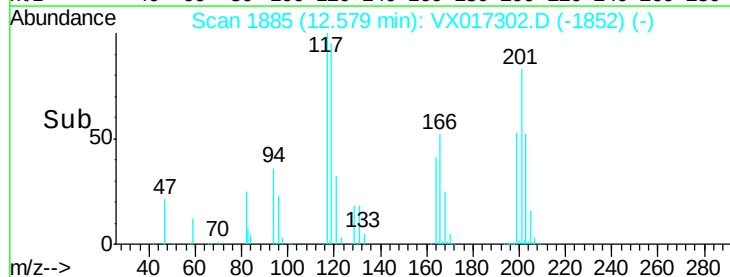
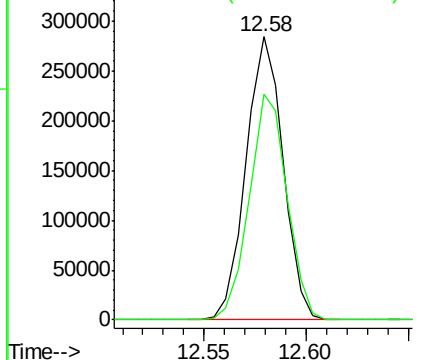
117 100

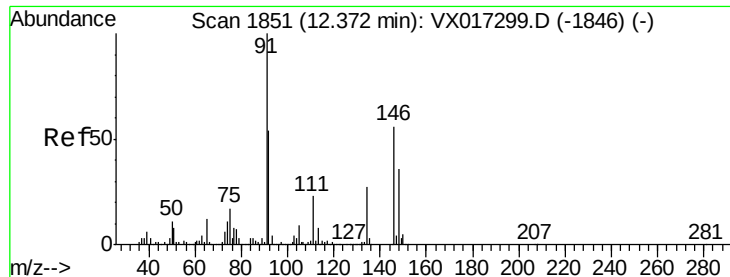
201 81.1 41.0 123.0



Abundance Ion 117.00 (116.70 to 117.70): VX017299.D (-1878) (-)

Ion 201.00 (200.70 to 201.70): VX017299.D (-1878) (-)





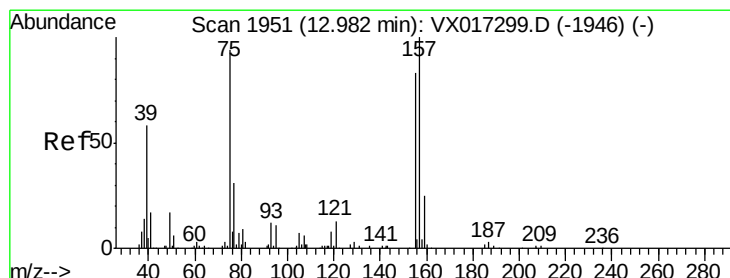
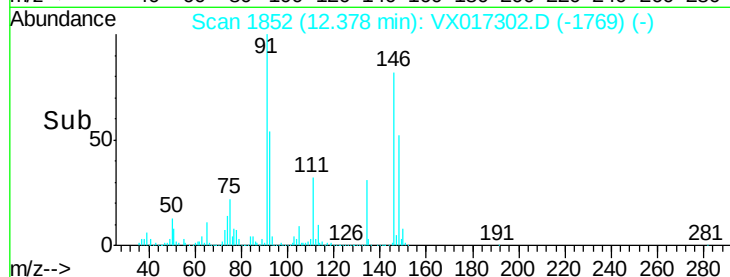
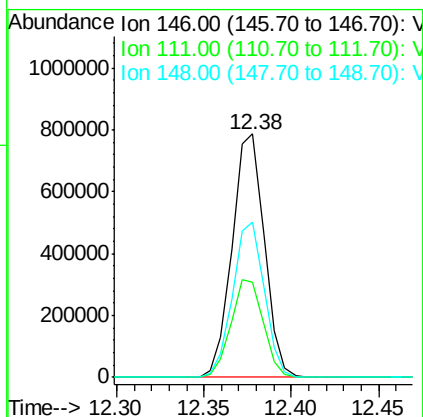
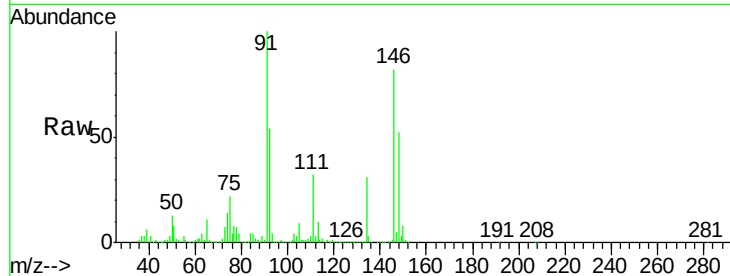
#87
 1,2-Dichlorobenzene
 Concen: 153.325 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.9
148	62.9	31.6	94.8

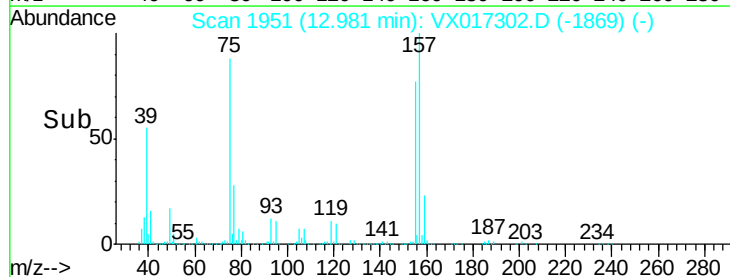
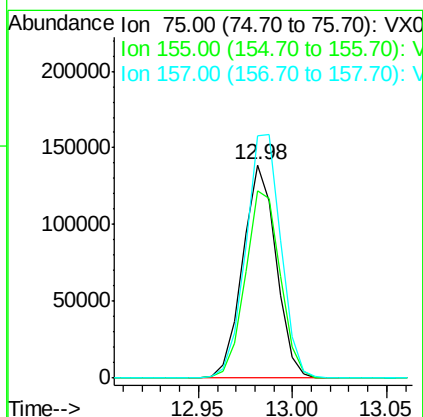
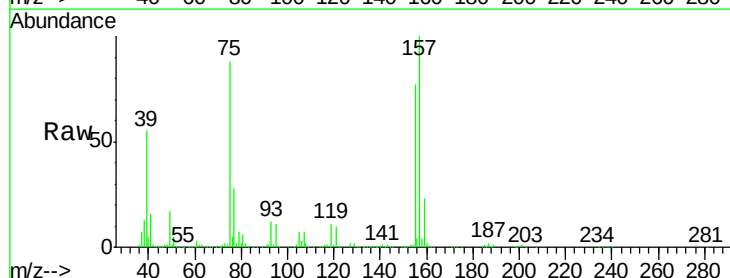
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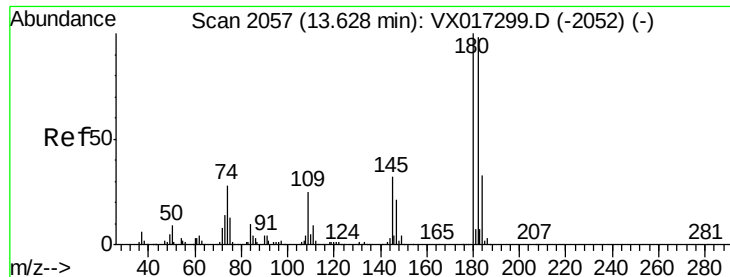
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 158.084 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	73.4	110.0
157	120.8	90.5	135.7





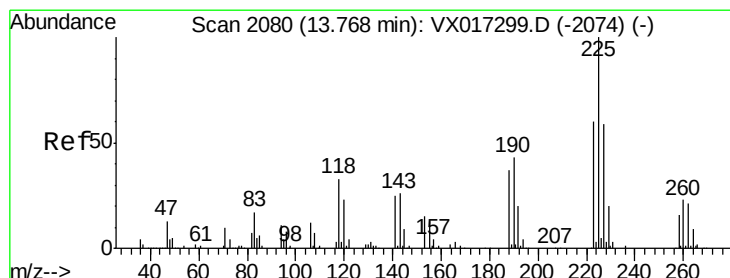
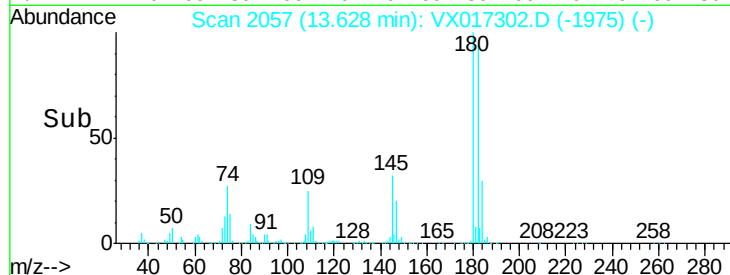
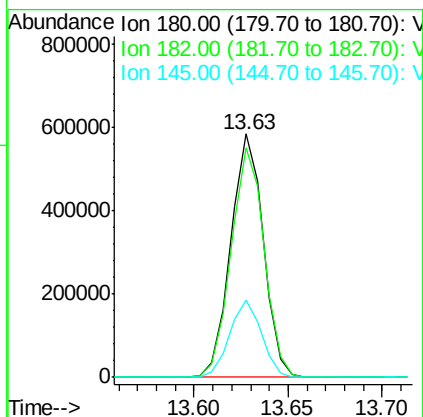
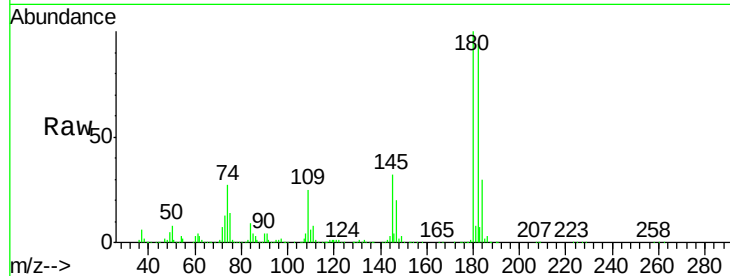
#89
 1,2,4-Trichlorobenzene
 Concen: 156.587 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	696755		
182	95.6	77.8	116.8	
145	31.1	25.0	37.4	

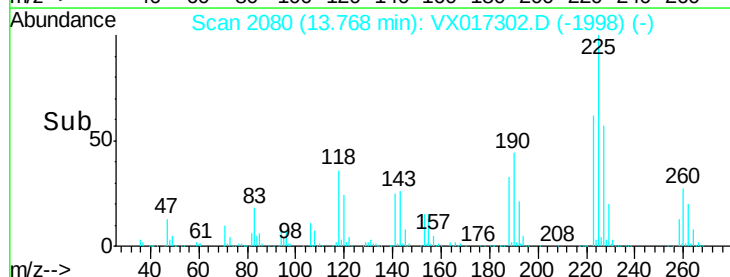
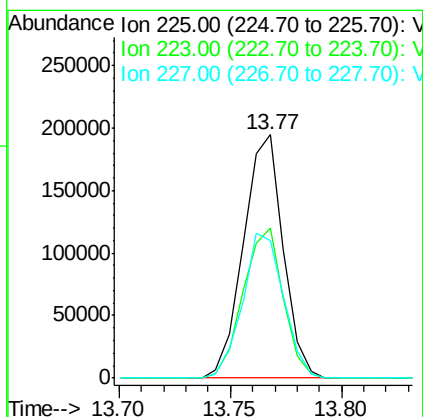
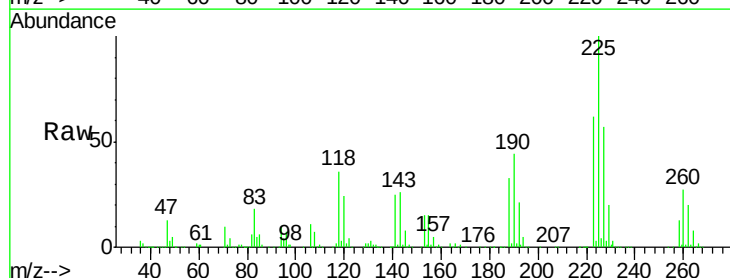
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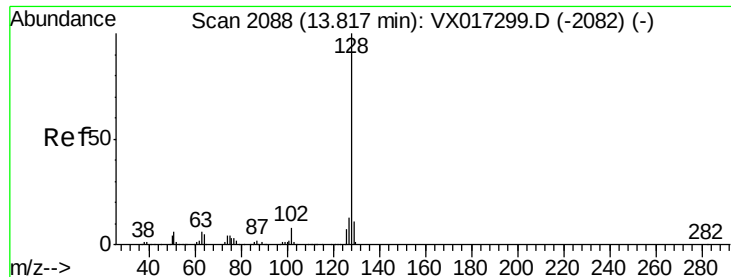
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#90
 Hexachlorobutadiene
 Concen: 140.305 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX017302.D
 Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	242092		
223	62.2	0.0	129.0	
227	61.5	0.0	124.4	





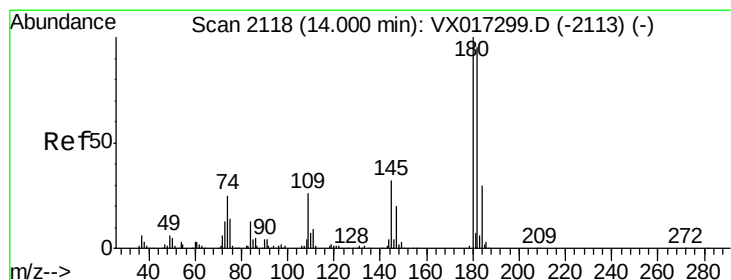
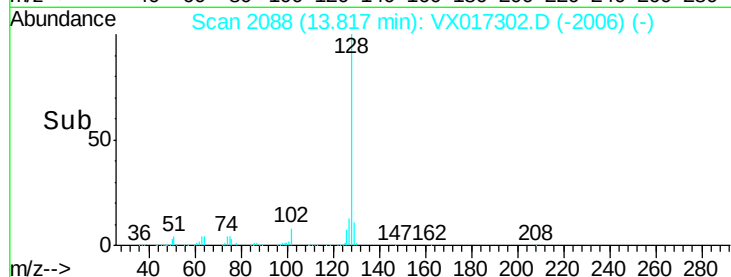
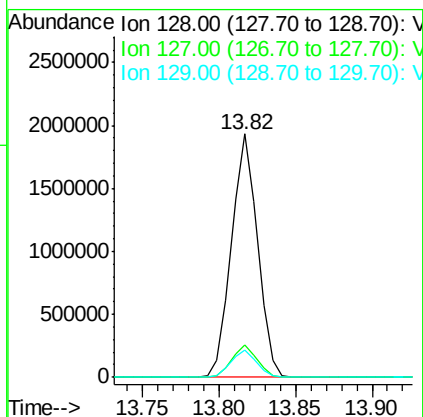
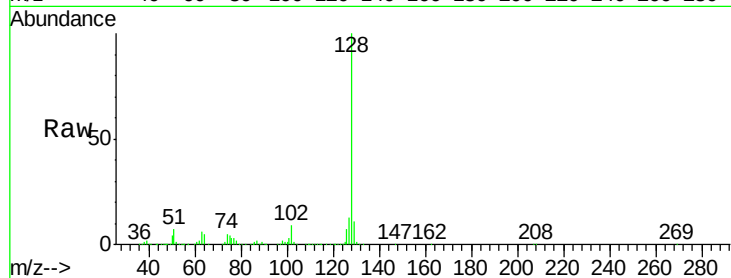
#91
Naphthalene
Concen: 159.493 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	9.0	13.4

Manual Integrations
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7/10/2020 12:36:39 PM



#92
1,2,3-Trichlorobenzene
Concen: 158.068 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX017302.D
Acq: 09 Jul 2020 12:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	0.0	185.6
145	32.6	0.0	63.0

