

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017300.D
 Acq On : 09 Jul 2020 11:15
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 12:36:35 PM

Quant Time: Jul 09 11:45:24 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	54240	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	274113	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	262654	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	114724	27.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.07%
60) 4-Bromofluorobenzene	11.12	95	135022	30.57	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.90%
63) Toluene-d8	8.70	98	335566	29.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	122391	46.439	ug/l 97
3) Chloromethane	1.32	50	124535	37.232	ug/l 94
4) Vinyl Chloride	1.39	62	131004	38.338	ug/l 98
5) Bromomethane	1.63	94	87840	36.061	ug/l 96
6) Chloroethane	1.71	64	85769	38.577	ug/l 99
7) Trichlorofluoromethane	1.92	101	238782	41.856	ug/l 98
8) Diethyl Ether	2.17	74	79489	38.725	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	130650	43.072	ug/l 99
10) 1,1-Dichloroethene	2.36	96	125571	42.356	ug/l 94
11) Methyl Iodide	2.49	142	159396	40.633	ug/l 97
12) Methyl Acetate	2.75	43	174952	45.786	ug/l 100
13) Acrolein	2.27	56	112887	190.959	ug/l 99
14) Acrylonitrile	3.12	53	390705	218.841	ug/l 100
15) Acetone	2.42	58	99250	216.584	ug/l 98
16) Carbon Disulfide	2.55	76	348669	37.829	ug/l 98
17) Allyl chloride	2.71	41	230406	41.855	ug/l 96
18) Methylene Chloride	2.84	84	147970	41.173	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	145064	42.509	ug/l 92
20) Diisopropyl ether	3.82	45	461598	41.401	ug/l 99
21) 1,1-Dichloroethane	3.67	63	258345	42.070	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	162198	42.914	ug/l 98
23) tert-Butyl Alcohol	3.01	59	161862	207.514	ug/l # 99
24) Methyl tert-Butyl Ether	3.17	73	476475	44.517	ug/l 100
25) Chloroform	5.18	83	276630	44.029	ug/l 93
26) Cyclohexane	5.55	56	213248	40.302	ug/l # 100
29) 1,1-Dichloropropene	5.77	75	198092	45.783	ug/l 99
30) 2-Butanone	4.64	43	533261	236.075	ug/l 99
31) 2,2-Dichloropropane	4.55	77	242159	48.346	ug/l 98
32) 1,1,1-Trichloroethane	5.47	97	255036	48.181	ug/l 98
33) Carbon Tetrachloride	5.76	117	235135	49.757	ug/l 95
34) Benzene	6.11	78	575328	45.741	ug/l 98
35) Methacrylonitrile	5.01	41	118913	47.733	ug/l 99
36) 1,2-Dichloroethane	6.17	62	223203	46.051	ug/l 100
37) Trichloroethene	7.19	130	172090	49.337	ug/l 97
38) Methylcyclohexane	7.44	83	216738	44.325	ug/l 99
39) 1,2-Dichloropropane	7.49	63	149067	45.398	ug/l 92
40) Dibromomethane	7.63	93	106616	46.938	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	223925	47.585	ug/l	98
42) Vinyl Acetate	3.79	43	2049226	226.968	ug/l	100
43) Ethyl Acetate	4.79	43	212783	45.738	ug/l	99
44) Isopropyl Acetate	6.42	43	344705	44.997	ug/l	98
45) 1,4-Dioxane	7.71	88	65715	869.756	ug/l	96
46) Methyl methacrylate	7.74	41	171033	47.892	ug/l	97
47) n-amyl Acetate	10.88	43	310808	45.939	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	245483	47.079	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	259509	47.440	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	158480	49.313	ug/l	98
51) Ethyl methacrylate	9.16	69	235848	48.576	ug/l	97
52) 1,3-Dichloropropane	9.35	76	257839	47.509	ug/l	99
53) Dibromochloromethane	9.57	129	191570	51.377	ug/l	97
54) 1,2-Dibromoethane	9.65	107	169426	49.701	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	638904	249.795	ug/l	100
56) Bromoform	10.84	173	150294	55.898	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	1075164	229.075	ug/l	99
59) 2-Hexanone	9.47	43	816314	232.558	ug/l	98
61) Tetrachloroethene	9.32	164	170176	50.610	ug/l	98
62) Toluene	8.76	91	639045	45.800	ug/l	99
64) Chlorobenzene	10.12	112	425129	48.138	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.20	131	169387	50.507	ug/l	98
66) Ethyl Benzene	10.23	91	722180	46.643	ug/l	99
67) m/p-Xylenes	10.34	106	562940	95.615	ug/l	98
68) o-Xylene	10.68	106	268547	47.957	ug/l	97
69) Styrene	10.70	104	476946	49.153	ug/l	98
70) Isopropylbenzene	11.00	105	734687	47.861	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	225110	47.581	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	223433m	49.130	ug/l	
73) Bromobenzene	11.24	156	197453	50.258	ug/l	99
74) n-propylbenzene	11.34	91	852072	47.048	ug/l	99
75) 2-Chlorotoluene	11.40	91	510627	47.769	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	630171	48.728	ug/l	100
77) t-1,4-Dichloro-2-butene	11.05	75	85942	46.969	ug/l	96
78) 4-Chlorotoluene	11.49	91	609210	48.227	ug/l	100
79) tert-butylbenzene	11.76	119	621663	50.269	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	643673	49.609	ug/l	99
81) sec-Butylbenzene	11.93	105	703559	47.259	ug/l	100
82) p-Isopropyltoluene	12.05	119	674823	49.834	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	359929	50.994	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	368305	51.952	ug/l	99
85) n-Butylbenzene	12.37	91	572395	46.332	ug/l	100
86) Hexachloroethane	12.58	117	128869	48.925	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	346309	52.293	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	54815	50.602	ug/l	97
89) 1,2,4-Trichlorobenzene	13.63	180	230030	51.372	ug/l	100
90) Hexachlorobutadiene	13.76	225	93562	53.884	ug/l	98
91) Naphthalene	13.82	128	743354	51.540	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	233627	53.165	ug/l	99

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MSVOA_X
ClientSampleId :
VSTDICC050

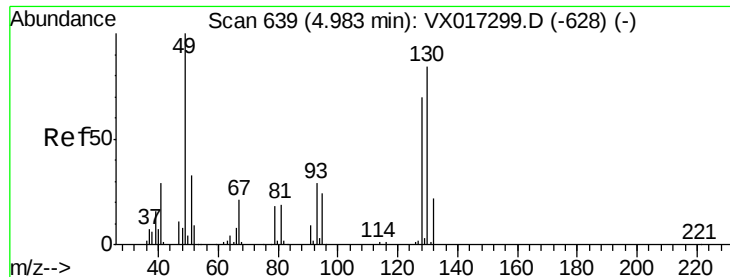
Manual Integrations
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Quant Time: Jul 09 11:45:24 2020
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QLast Update : Thu Jul 09 11:39:05 2020
Response via : Initial Calibration

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



#1

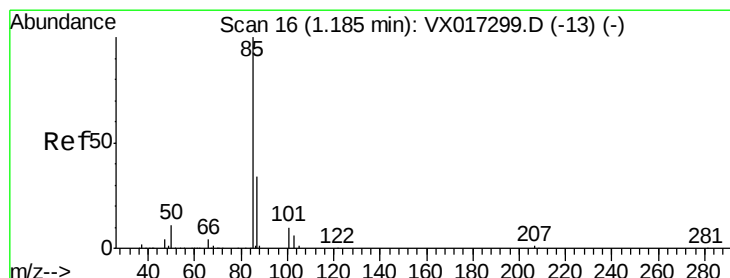
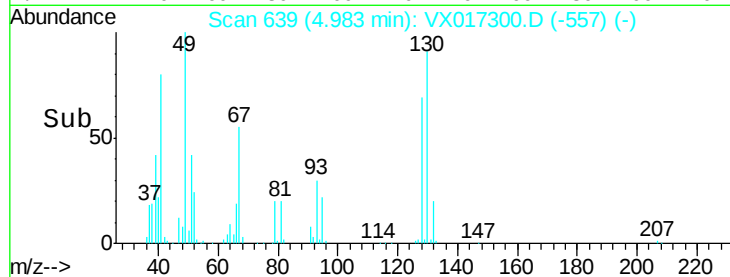
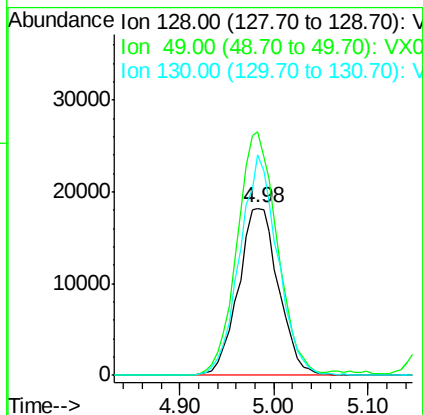
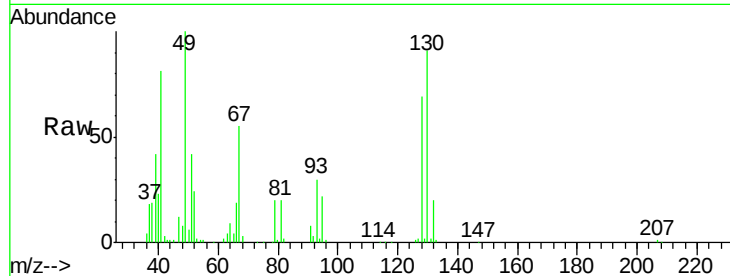
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	146.4	0.0	358.8
130	124.8	0.0	323.8

Manual Integrations
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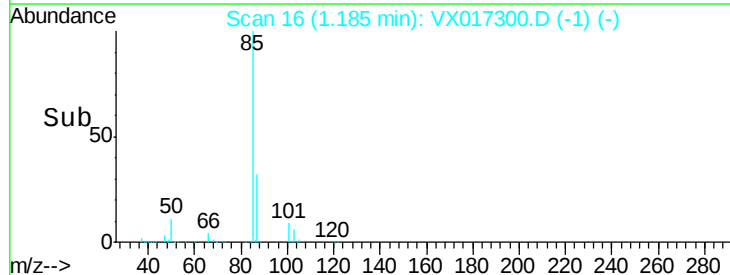
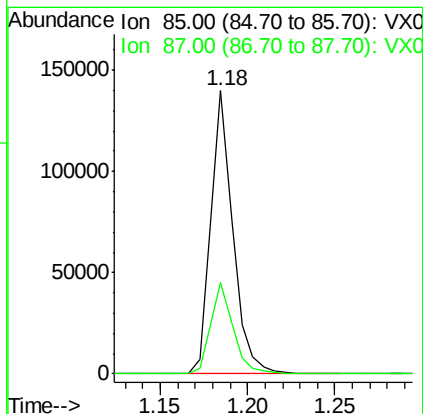
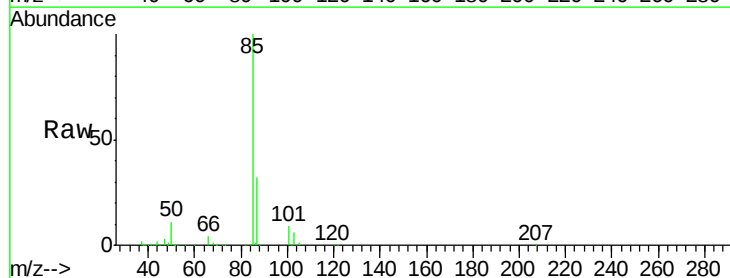
MMDadoda
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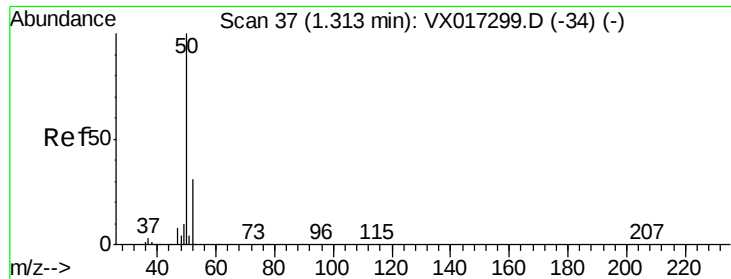


#2

Dichlorodifluoromethane
 Concen: 46.439 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.9	50.6





#3

Chloromethane

Concen: 37.232 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 124535

Ion Ratio Lower Upper

50 100

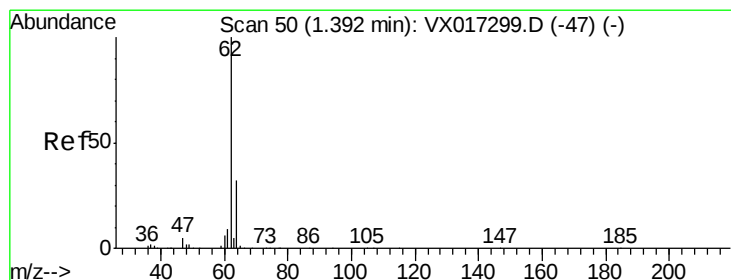
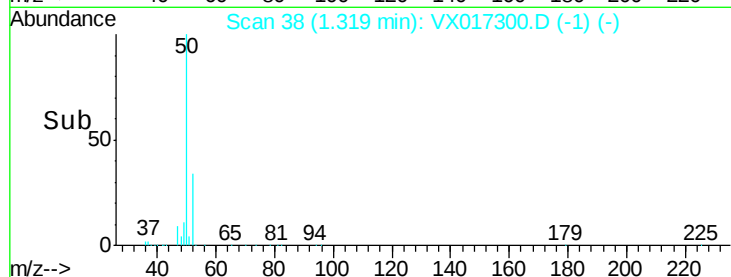
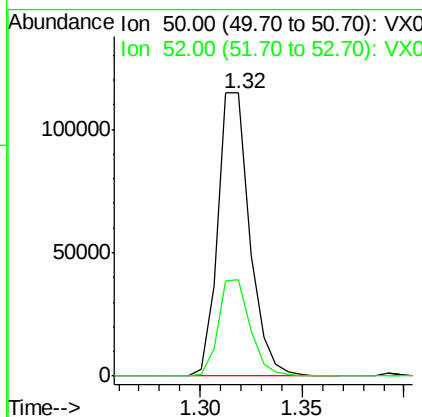
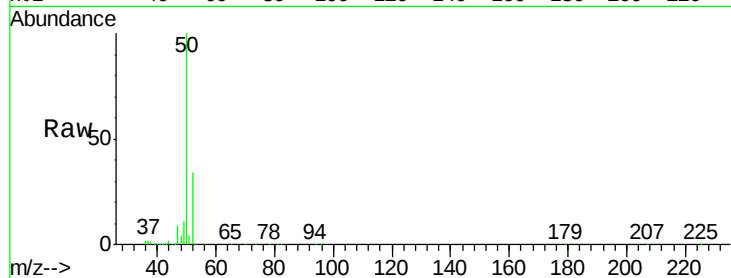
52 34.1 24.8 37.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 38.338 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017300.D

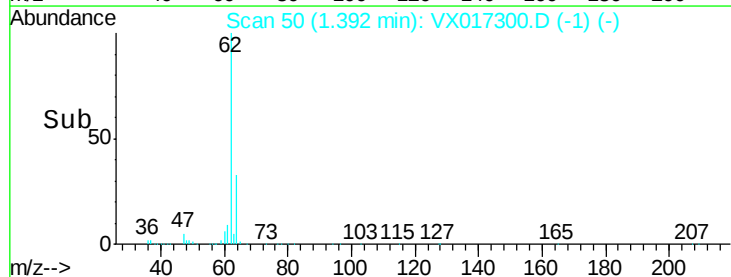
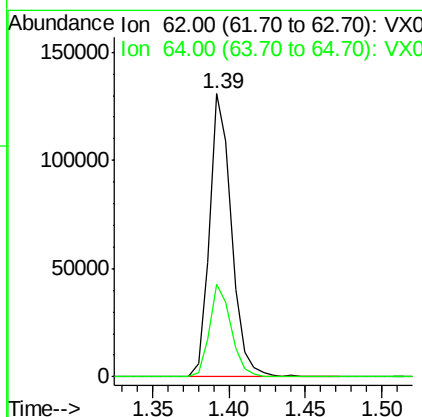
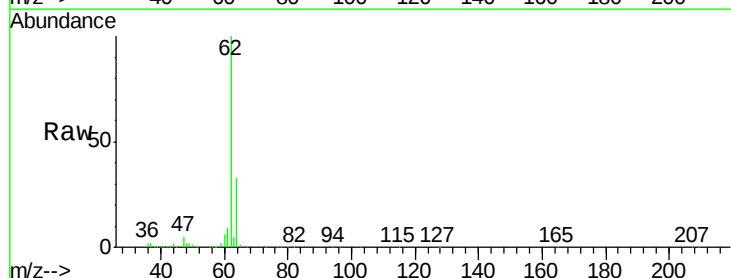
Acq: 09 Jul 2020 11:15

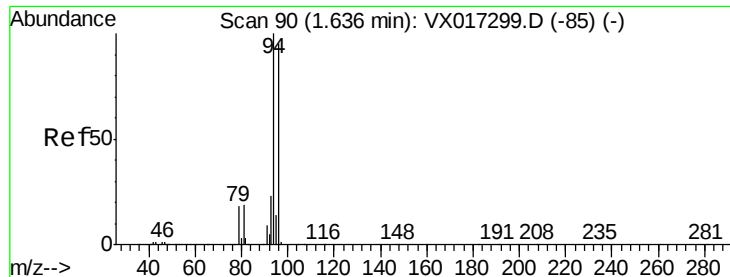
Tgt Ion: 62 Resp: 131004

Ion Ratio Lower Upper

62 100

64 32.8 25.3 37.9





#5

Bromomethane

Concen: 36.061 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 87840

Ion Ratio Lower Upper

94 100

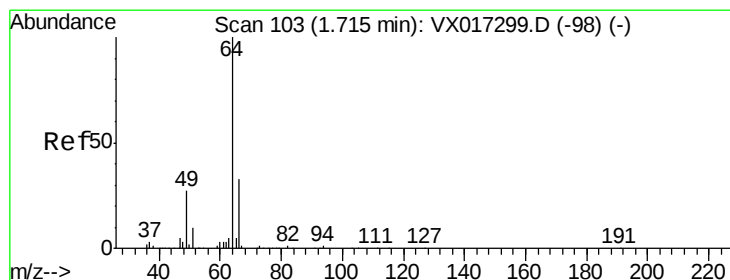
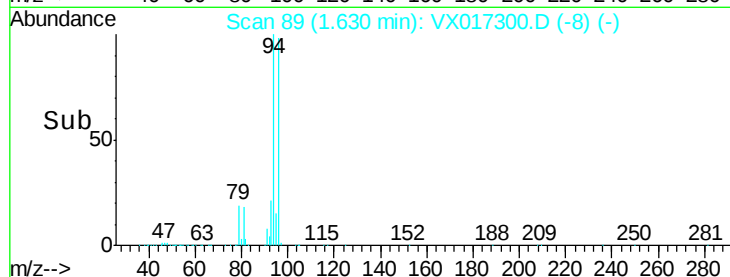
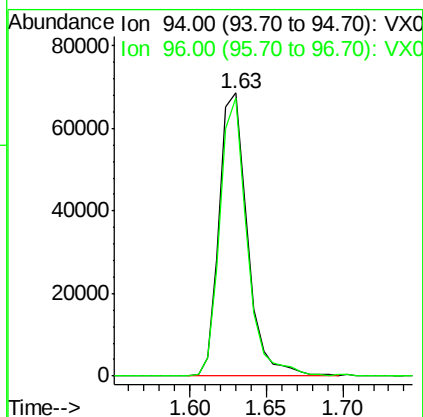
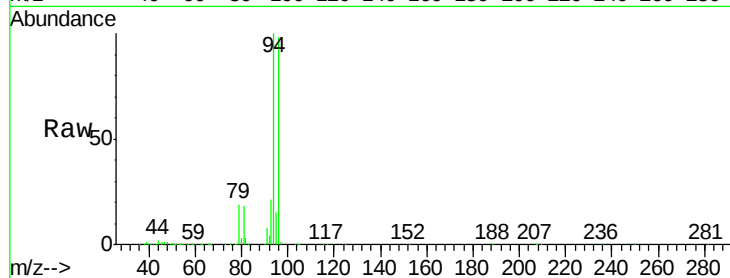
96 98.5 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 38.577 ug/l

RT: 1.71 min Scan# 102

Delta R.T. -0.01 min

Lab File: VX017300.D

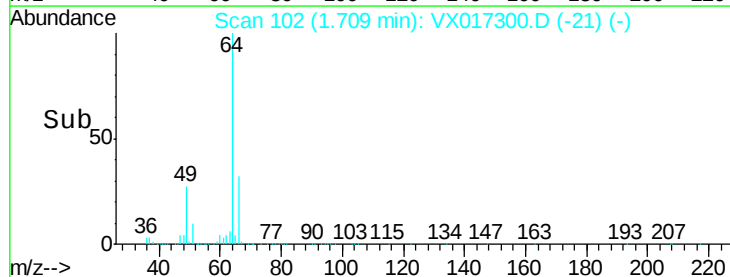
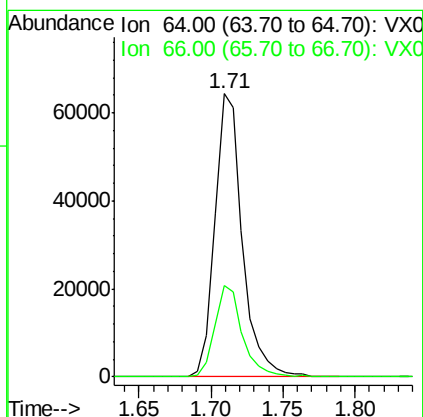
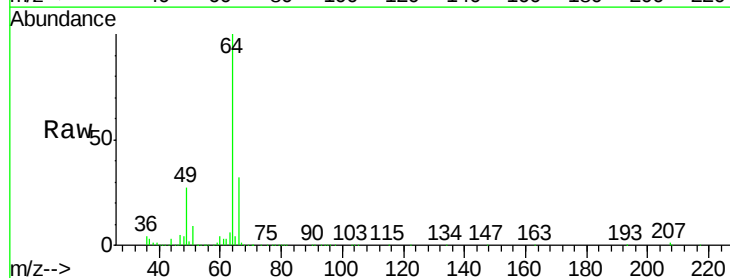
Acq: 09 Jul 2020 11:15

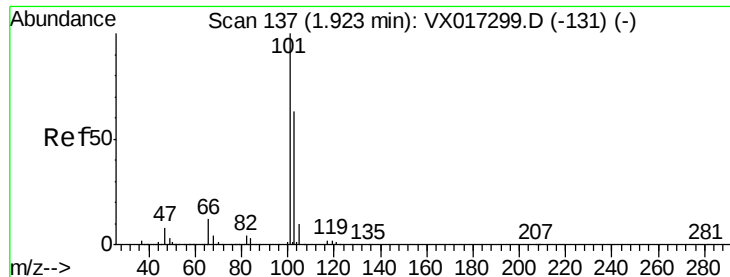
Tgt Ion: 64 Resp: 85769

Ion Ratio Lower Upper

64 100

66 32.1 26.1 39.1





#7

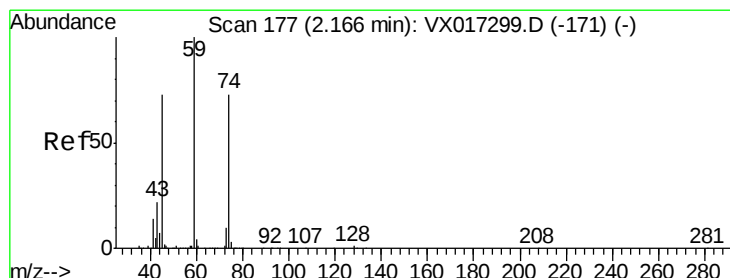
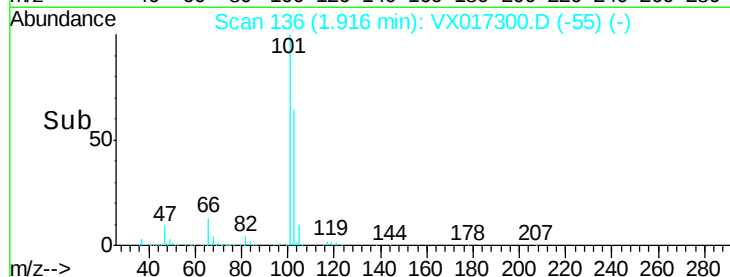
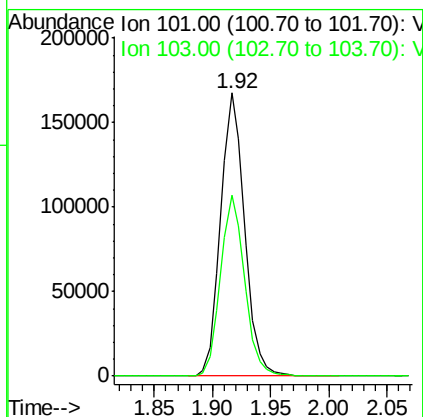
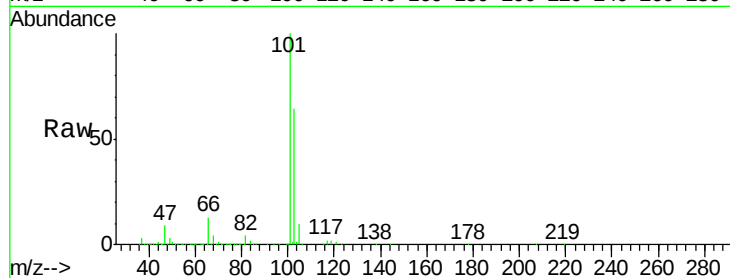
Trichlorofluoromethane
Concen: 41.856 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.1	75.1

Manual Integrations
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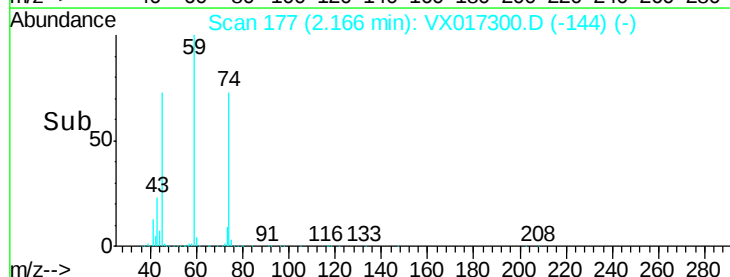
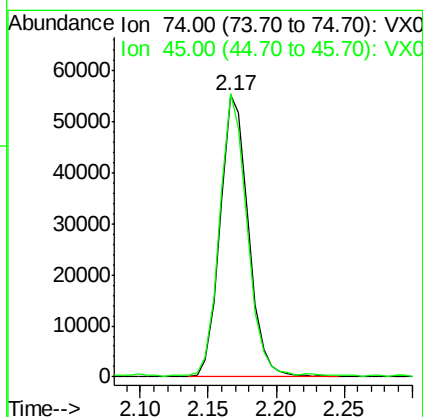
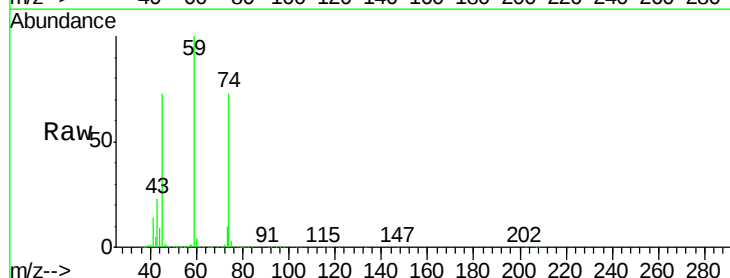
MMDadoda
7/10/2020 12:36:35 PM

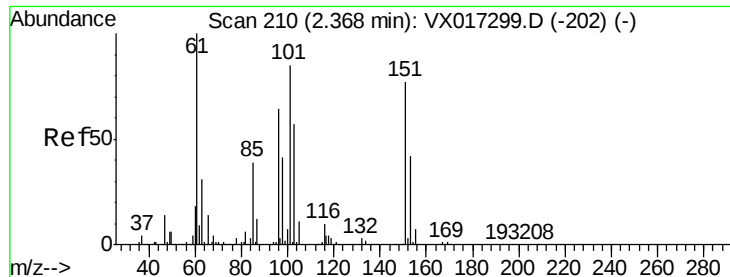


#8

Diethyl Ether
Concen: 38.725 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	18.9	170.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.072 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

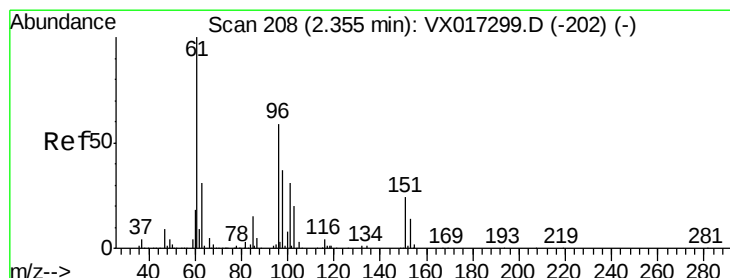
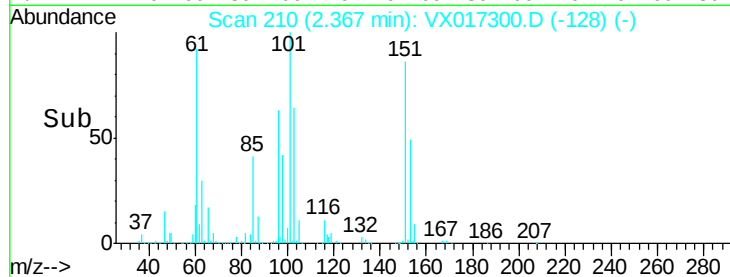
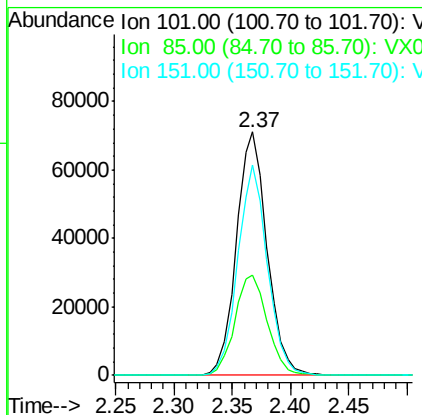
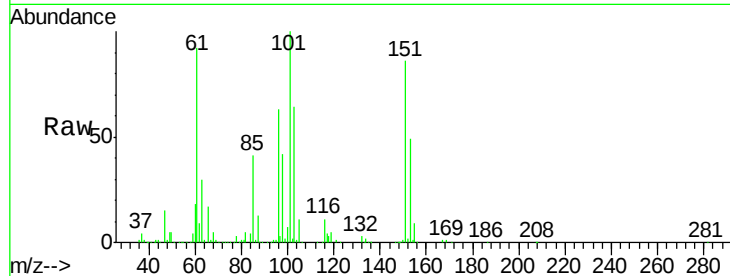
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	130650
Ion Ratio	Lower	Upper	
101	100		
85	43.7	0.0	87.8
151	83.8	0.0	170.2

Manual Integrations
APPROVED

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7/10/2020 12:36:35 PM



#10

1,1-Dichloroethene

Concen: 42.356 ug/l

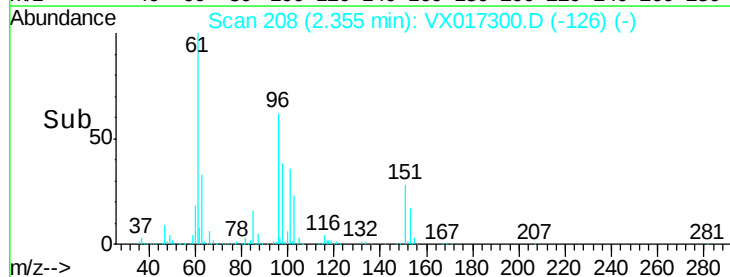
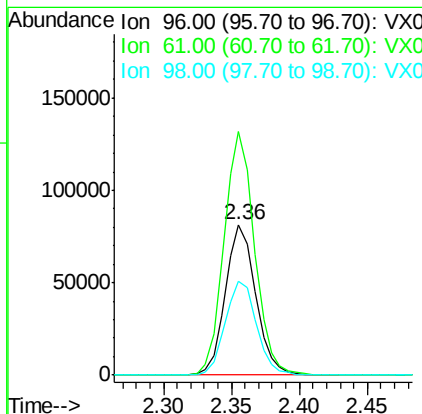
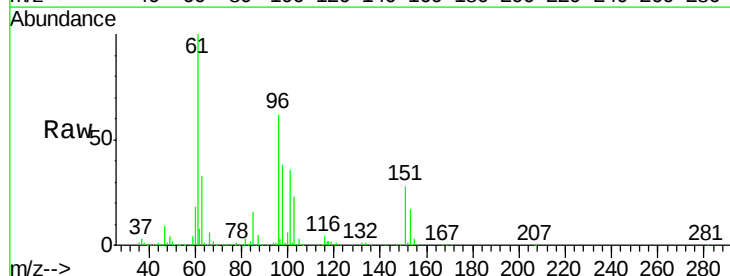
RT: 2.36 min Scan# 208

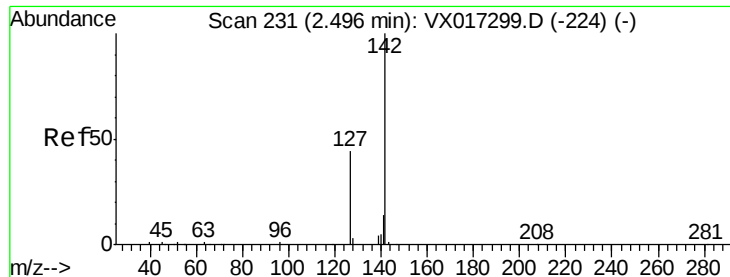
Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Tgt Ion:	96	Resp:	125571
Ion Ratio	Lower	Upper	
96	100		
61	161.9	137.0	205.4
98	62.1	51.1	76.7





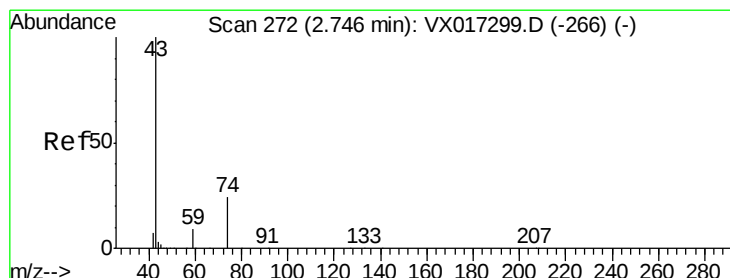
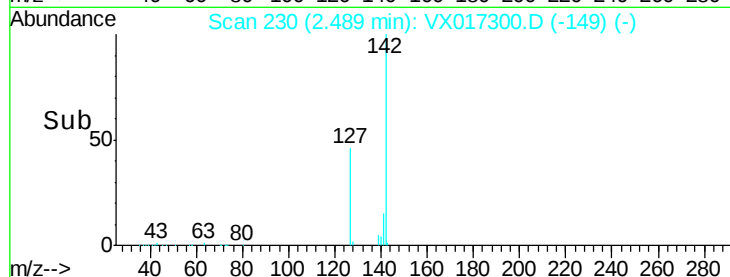
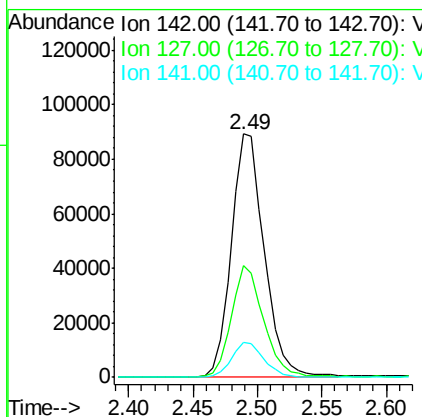
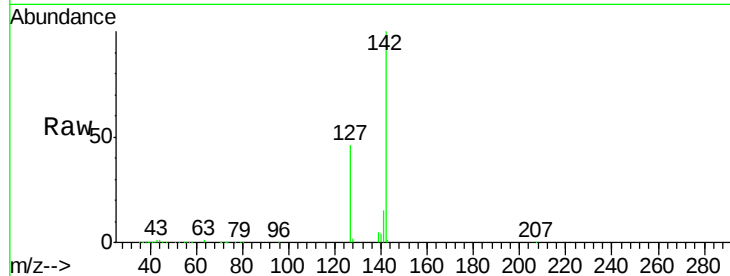
#11
Methvl Iodide
Concen: 40.633 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.1	21.9	65.7
141	14.6	7.0	21.1

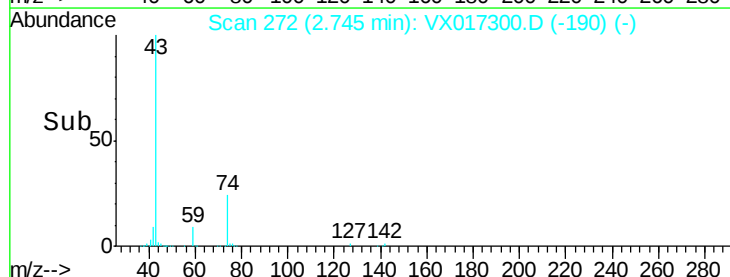
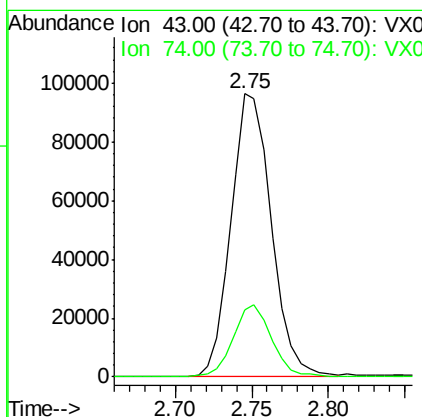
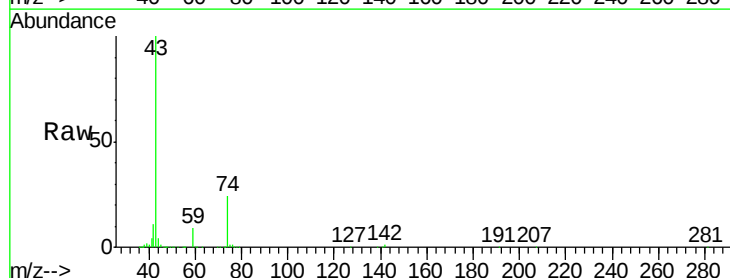
Manual Integrations
APPROVED

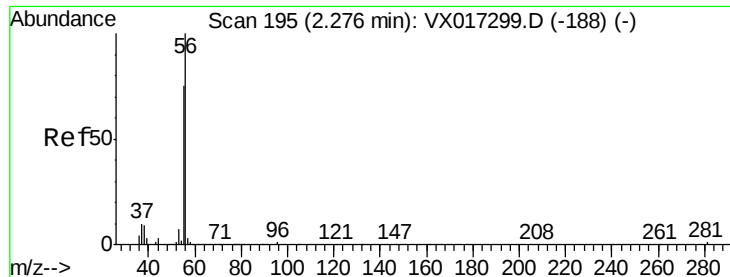
MMDadoda
7/10/2020 12:36:35 PM



#12
Methyl Acetate
Concen: 45.786 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.8	28.2





#13

Acrolein

Concen: 190.959 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 112887

Ion Ratio Lower Upper

56 100

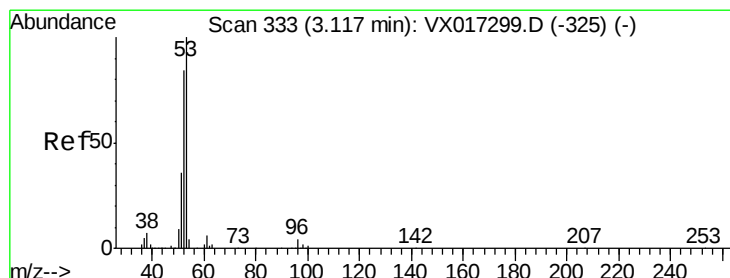
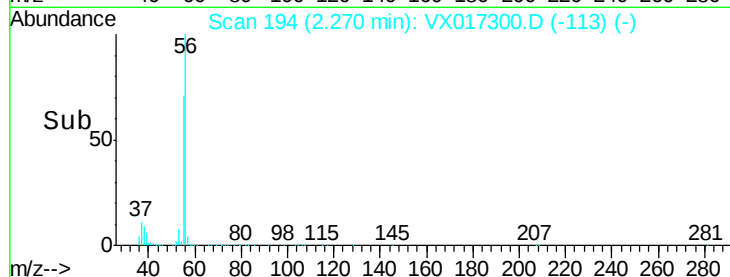
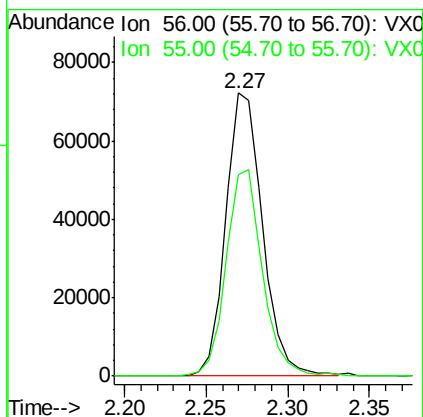
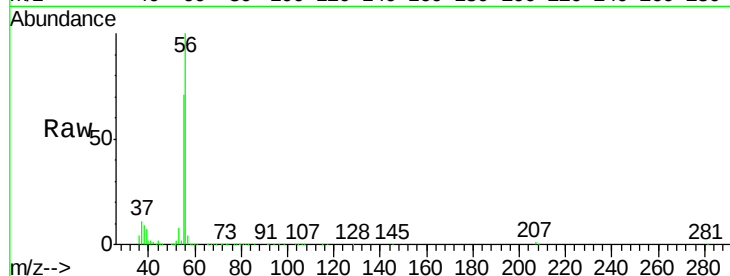
55 72.2 58.5 87.7

Manual Integrations

APPROVED

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#14

Acrylonitrile

Concen: 218.841 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

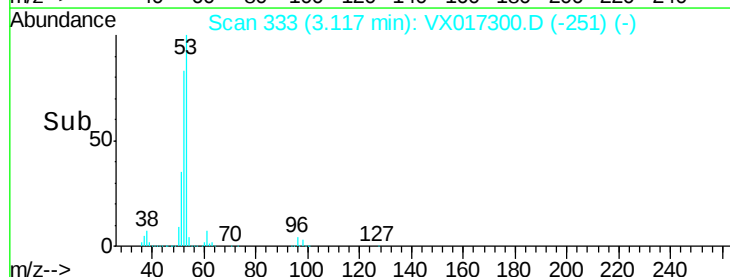
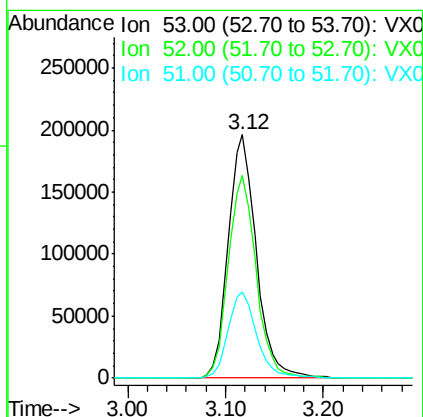
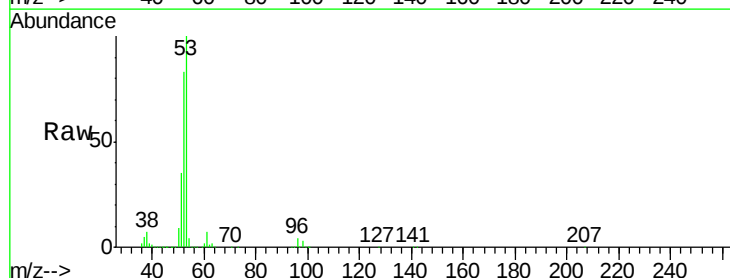
Tgt Ion: 53 Resp: 390705

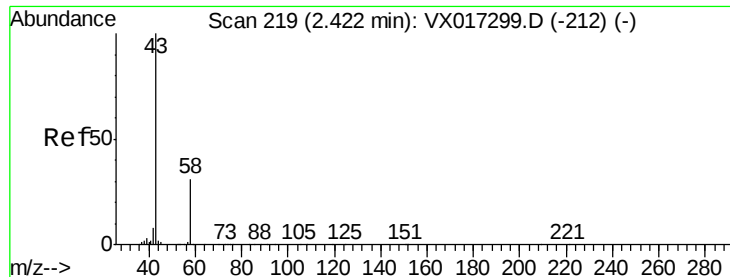
Ion Ratio Lower Upper

53 100

52 82.4 41.3 123.9

51 36.0 18.1 54.1





#15

Acetone

Concen: 216.584 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 99250

Ion Ratio Lower Upper

58 100

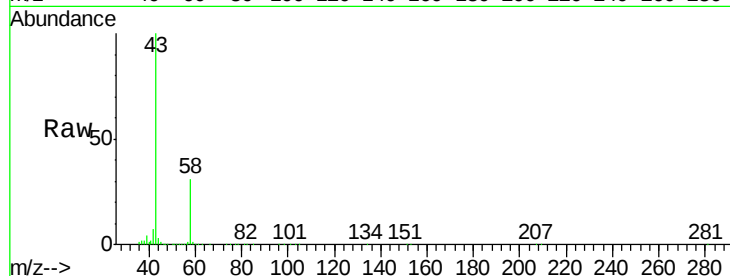
43 322.0 255.0 382.4

Manual Integrations

APPROVED

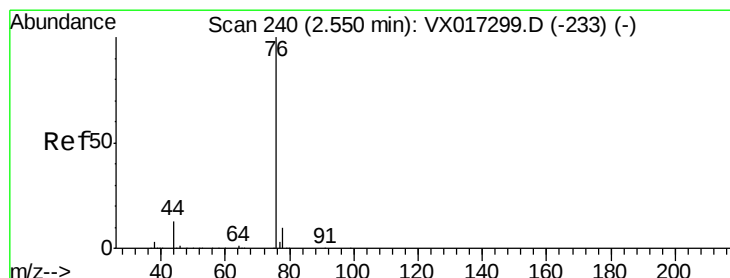
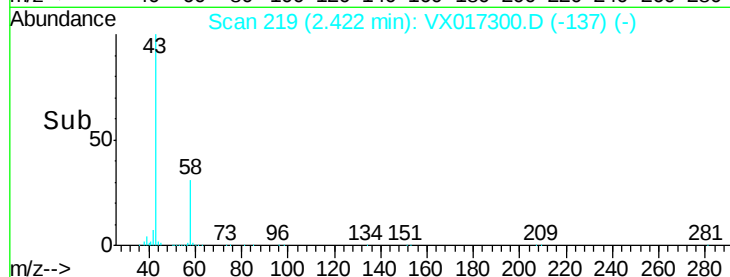
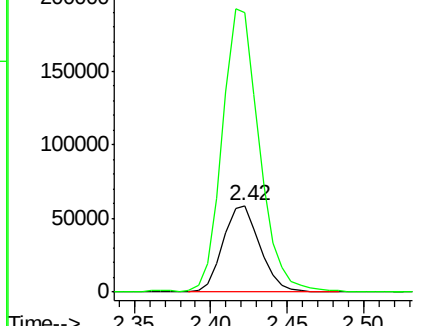
MMDadoda

7/10/2020 12:36:35 PM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 37.829 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017300.D

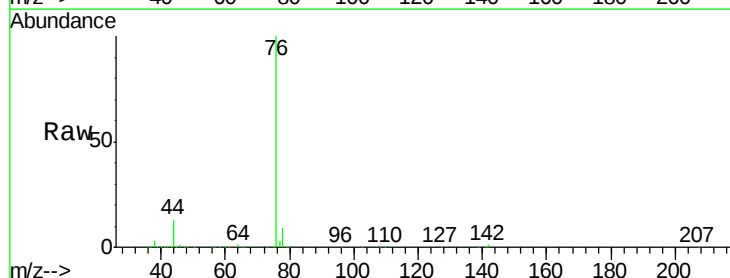
Acq: 09 Jul 2020 11:15

Tgt Ion: 76 Resp: 348669

Ion Ratio Lower Upper

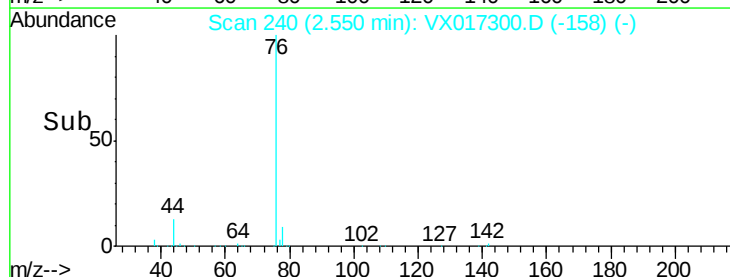
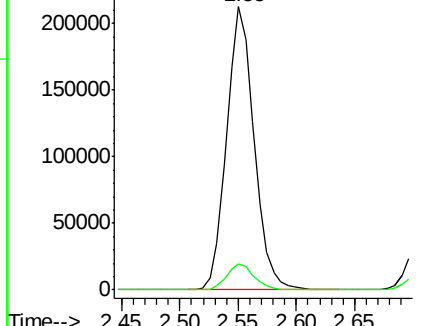
76 100

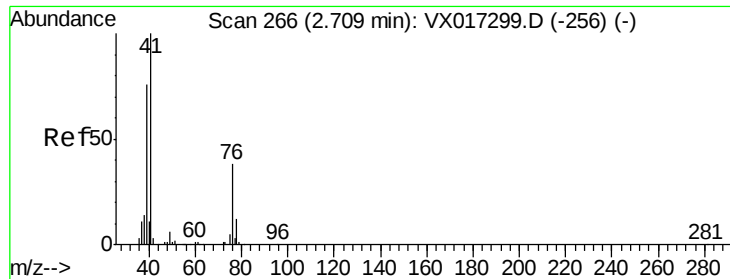
78 9.2 7.9 11.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





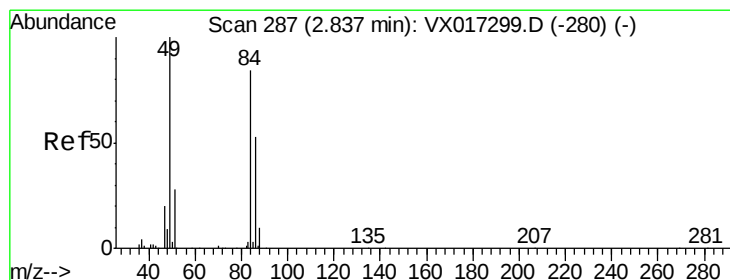
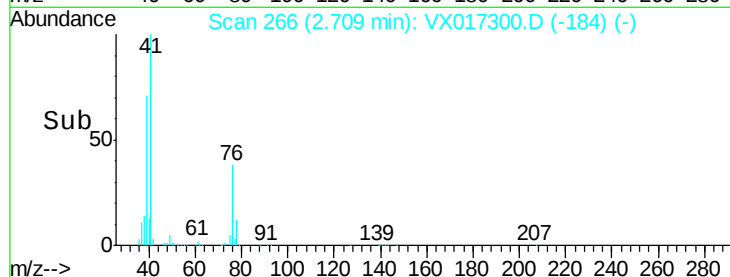
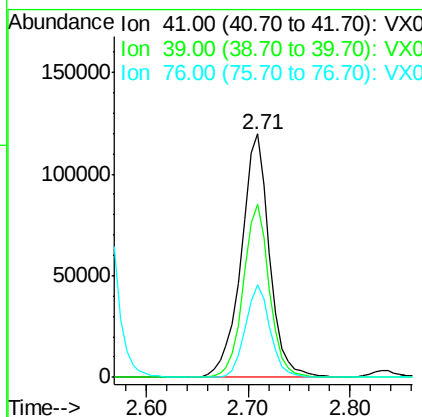
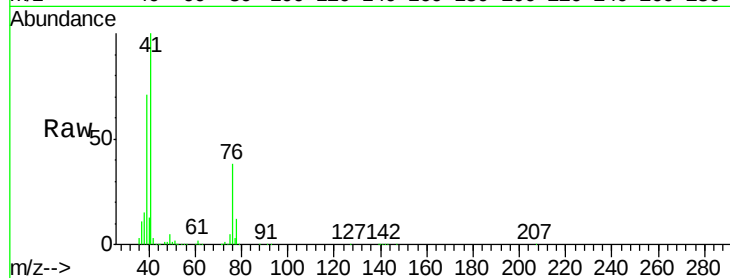
#17
Allvl chloride
Concen: 41.855 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.8	38.1	114.5
76	37.8	18.8	56.4

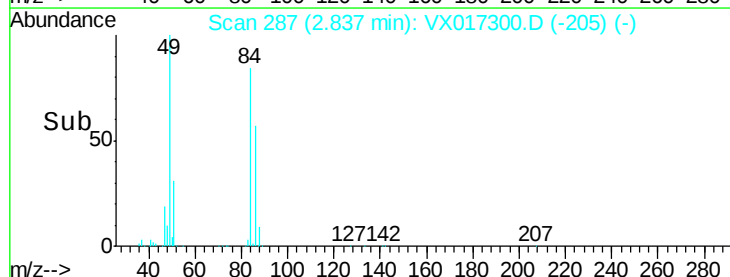
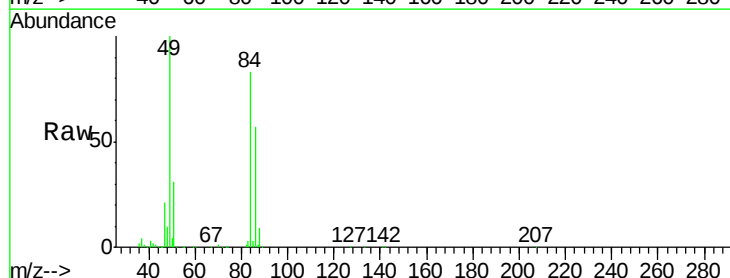
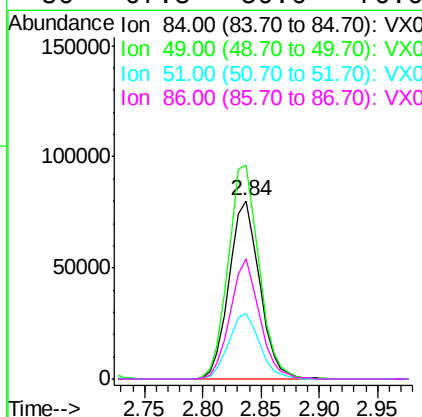
Manual Integrations
APPROVED

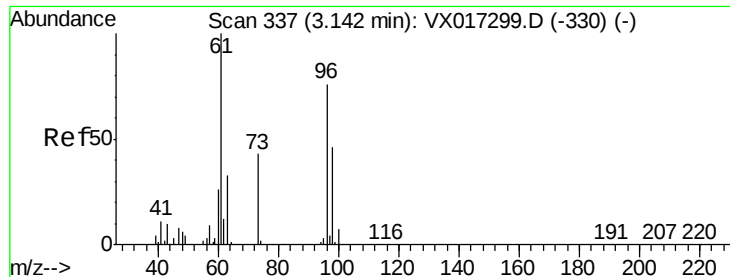
MMDadoda
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#18
Methylene Chloride
Concen: 41.173 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.8	95.7	143.5
51	36.6	27.2	40.8
86	67.8	50.6	76.0





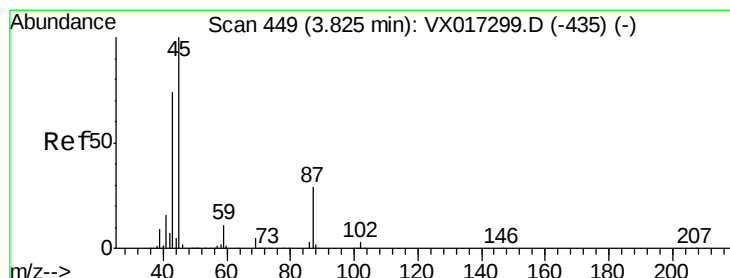
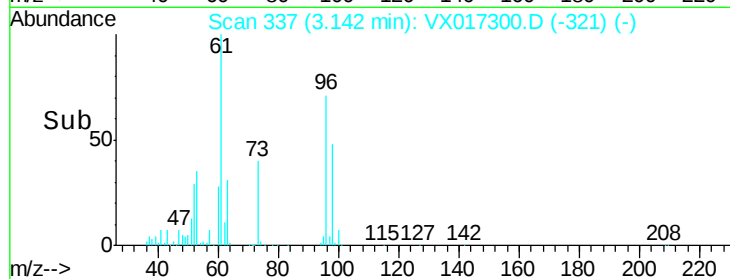
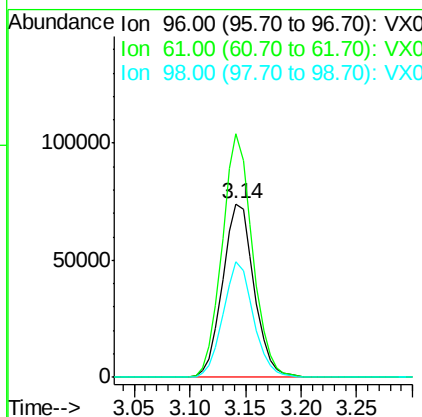
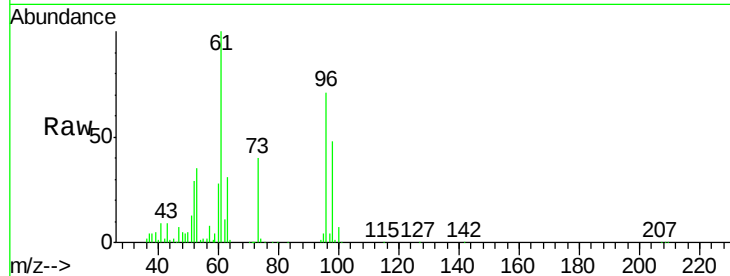
#19
trans-1,2-Dichloroethene
Concen: 42.509 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	105.0	157.6
98	66.8	48.6	73.0

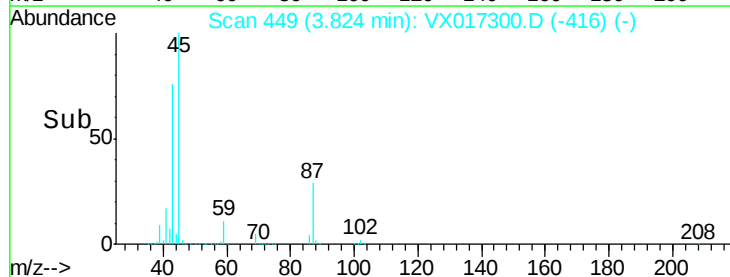
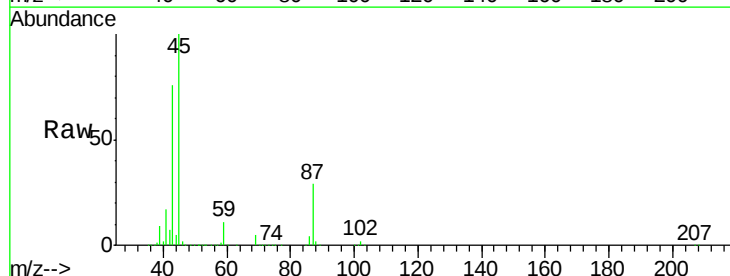
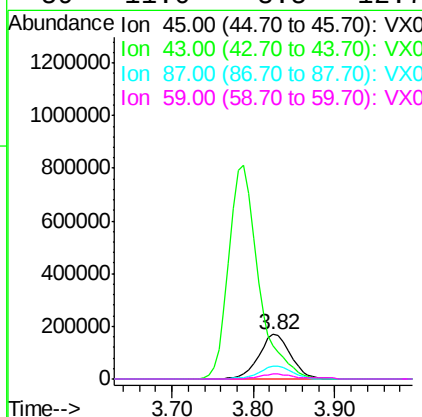
Manual Integrations
APPROVED

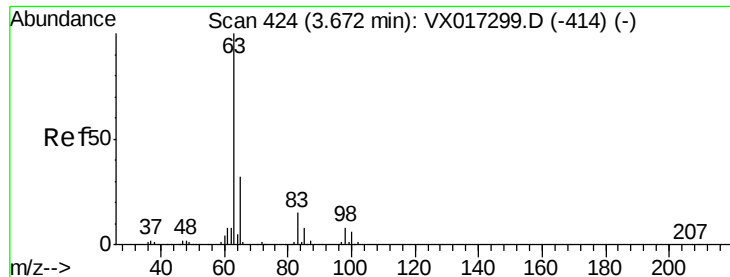
MMDadoda
7/10/2020 12:36:35 PM



#20
Diisopropyl ether
Concen: 41.401 ug/l
RT: 3.82 min Scan# 449
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.9	59.5	89.3
87	29.2	23.2	34.8
59	11.0	8.5	12.7





#21

1,1-Dichloroethane

Concen: 42.070 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

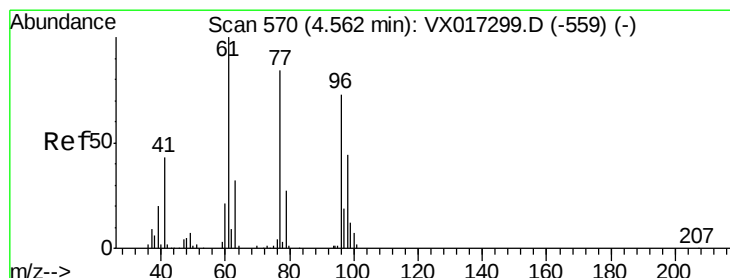
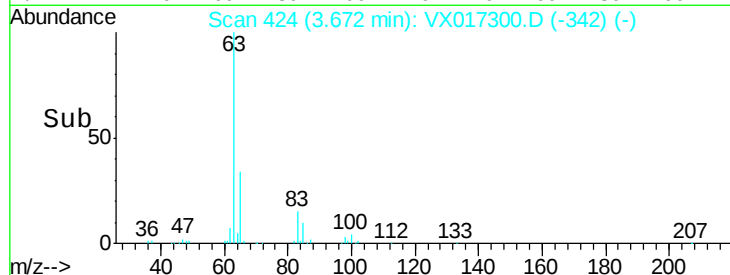
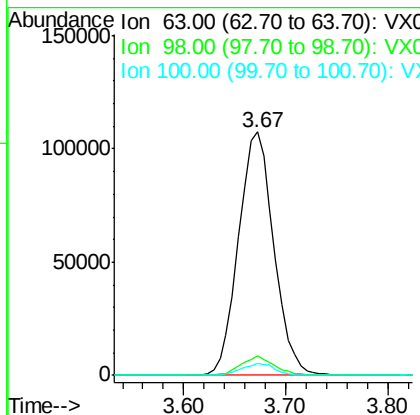
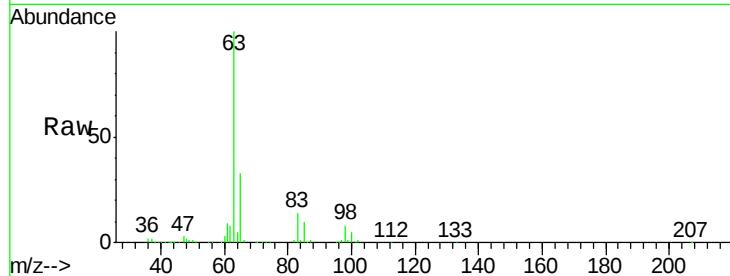
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	258345
Ion Ratio	Lower	Upper	
63	100		
98	7.9	4.2	12.4
100	4.8	2.8	8.3

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 42.914 ug/l

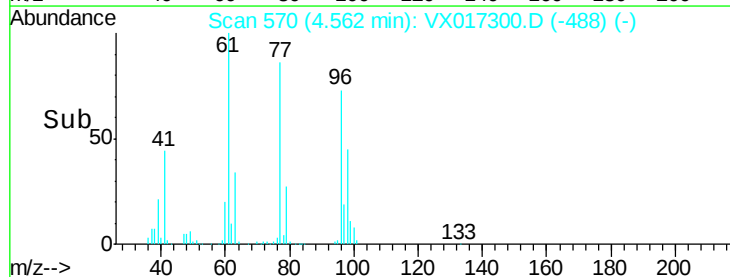
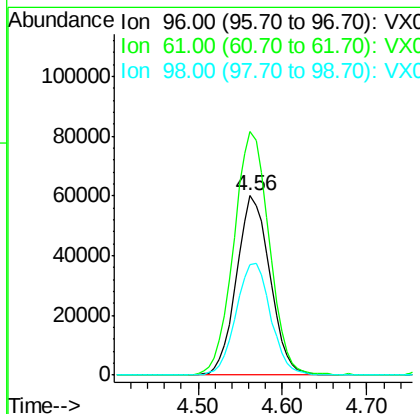
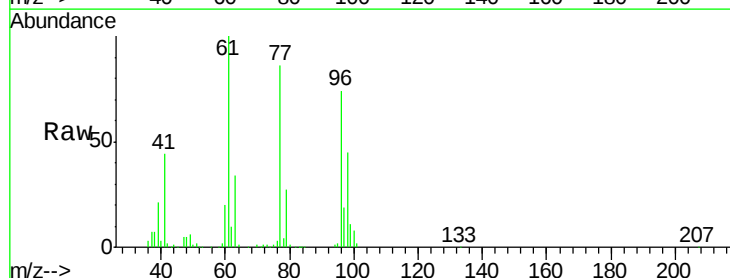
RT: 4.56 min Scan# 570

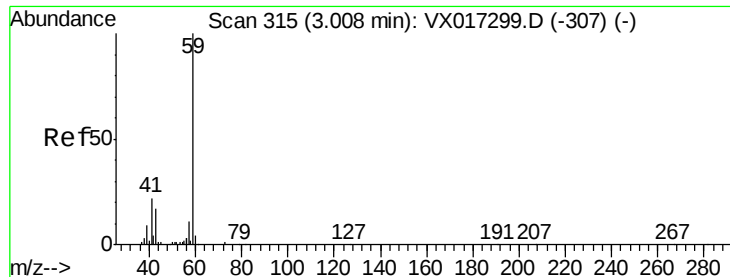
Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Tgt Ion:	96	Resp:	162198
Ion Ratio	Lower	Upper	
96	100		
61	143.4	111.7	167.5
98	64.3	50.9	76.3





#23

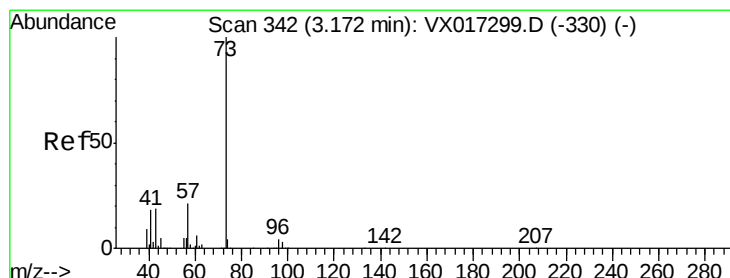
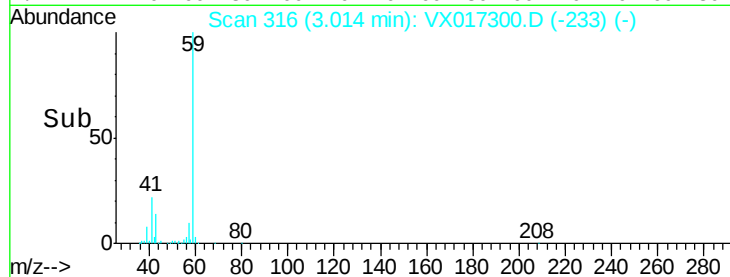
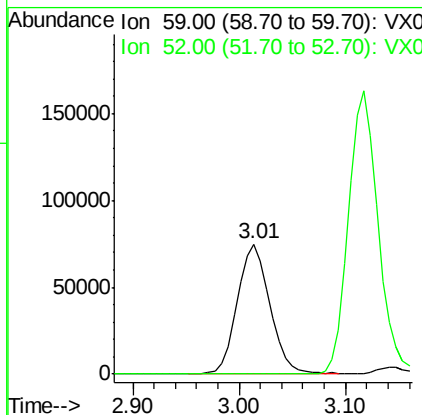
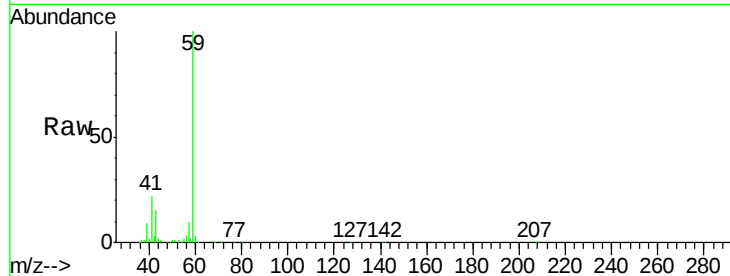
tert-Butyl Alcohol
Concen: 207.514 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.4	0.6#

Manual Integrations
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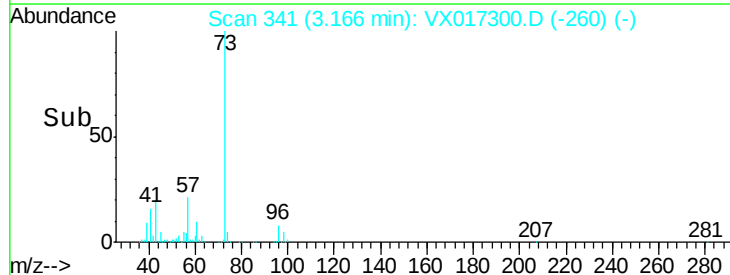
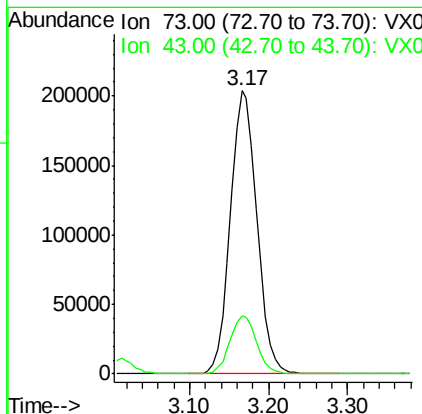
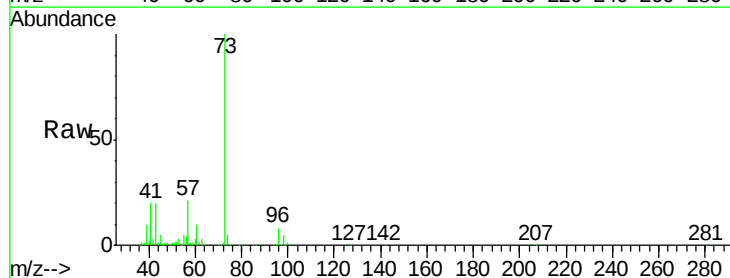
MMDadoda
7/10/2020 12:36:35 PM

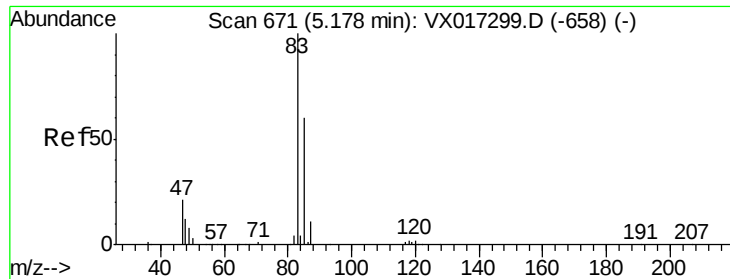


#24

Methyl tert-Butyl Ether
Concen: 44.517 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.01 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.6	16.3	24.5





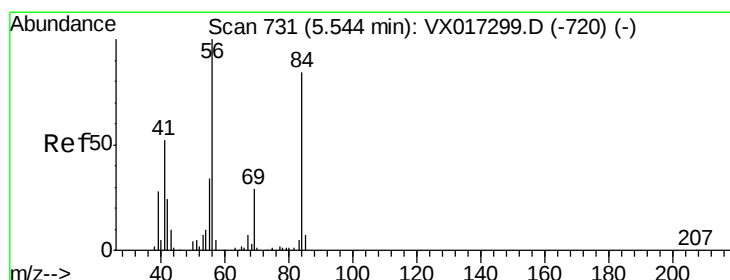
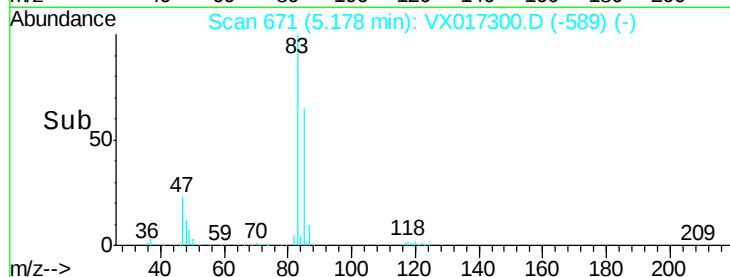
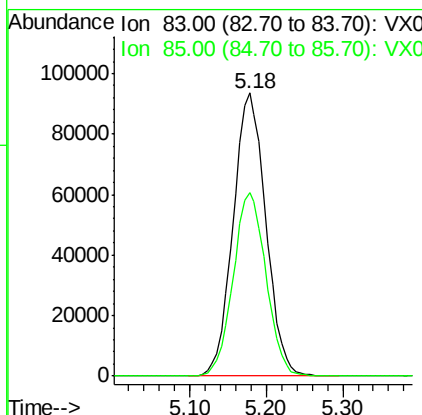
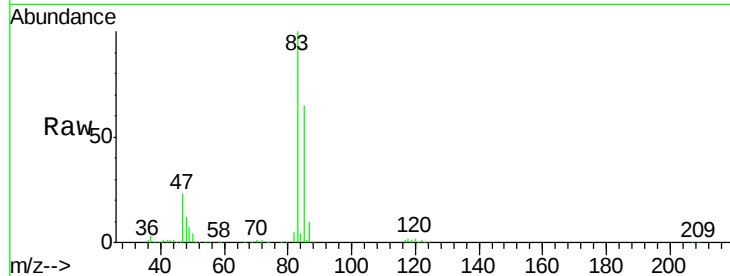
#25
Chloroform
Concen: 44.029 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion: 83 Resp: 276630
Ion Ratio Lower Upper
83 100
85 64.8 47.8 71.8

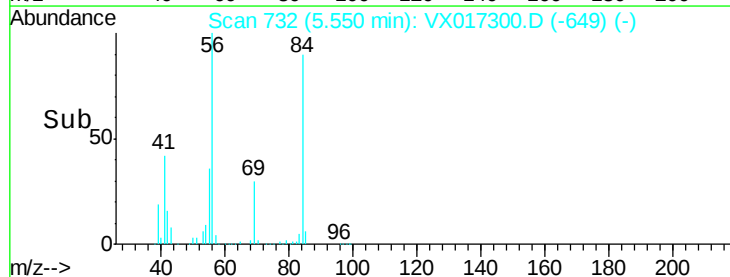
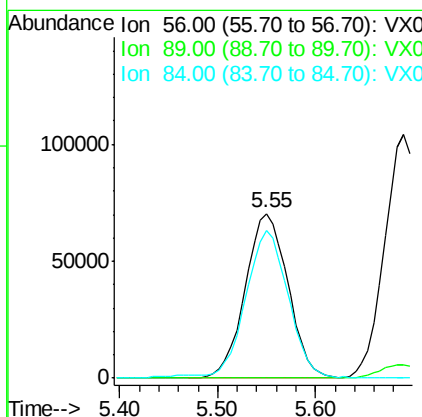
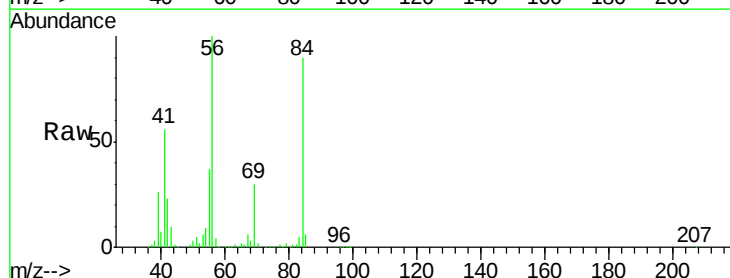
Manual Integrations
APPROVED

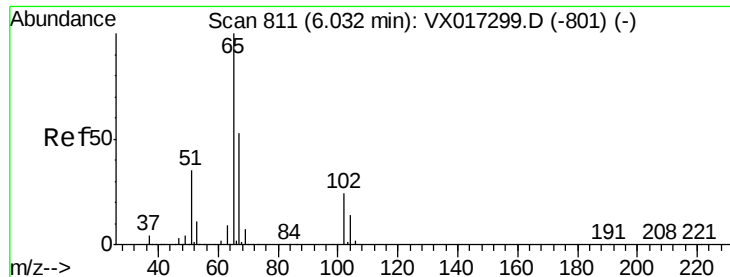
MMDadoda
7/10/2020 12:36:35 PM



#26
Cyclohexane
Concen: 40.302 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion: 56 Resp: 213248
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 89.4 71.5 107.3





#27

1,2-Dichloroethane-d4

Concen: 27.617 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 65 Resp: 114724

Ion Ratio Lower Upper

65 100

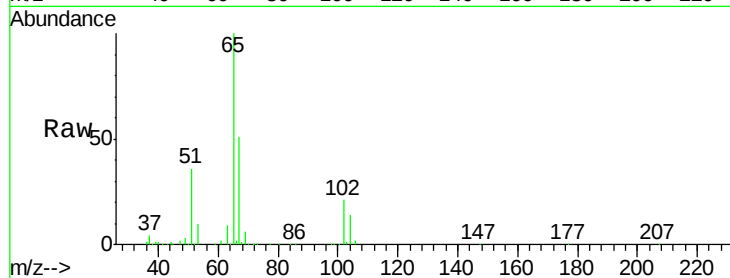
67 50.2 41.0 61.6

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Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.03

50000

40000

30000

20000

10000

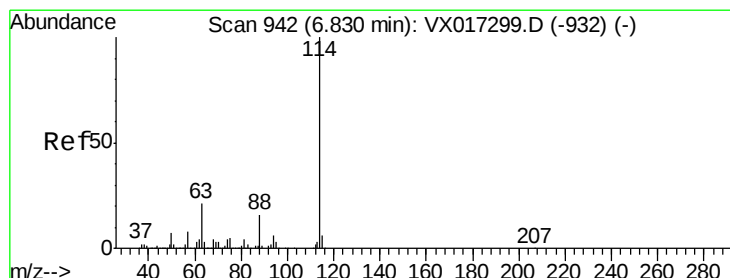
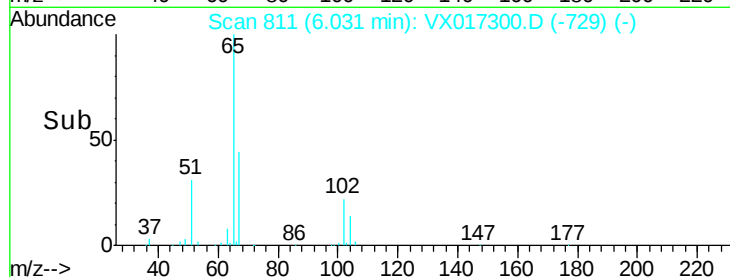
0

5.90

6.00

6.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

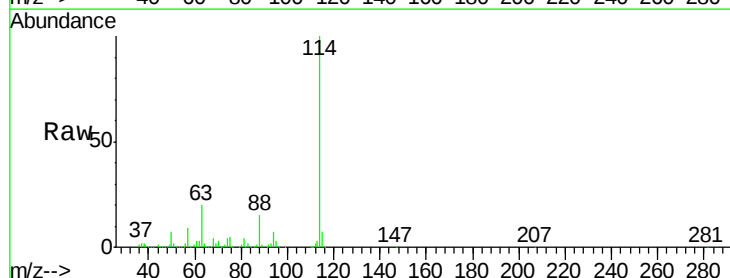
Tgt Ion: 114 Resp: 274113

Ion Ratio Lower Upper

114 100

63 19.9 15.9 23.9

88 15.9 12.4 18.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.83

150000

100000

50000

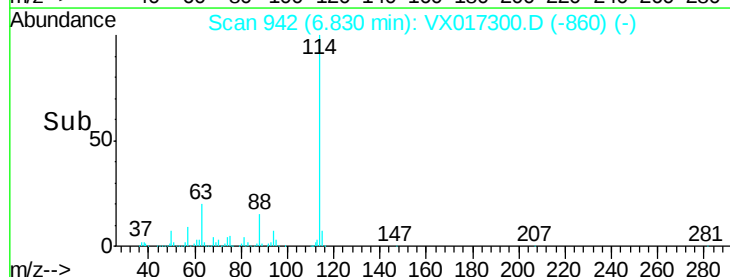
0

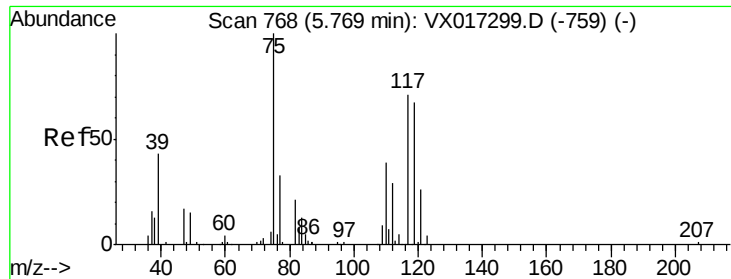
6.70

6.80

6.90

Time-->





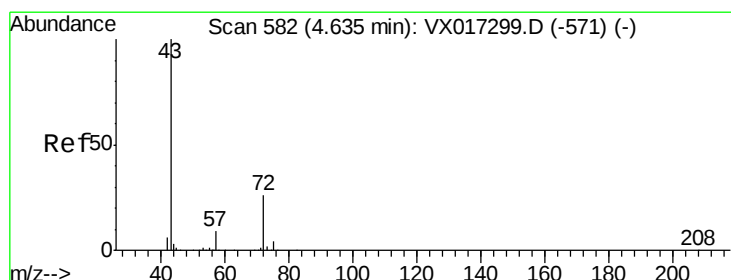
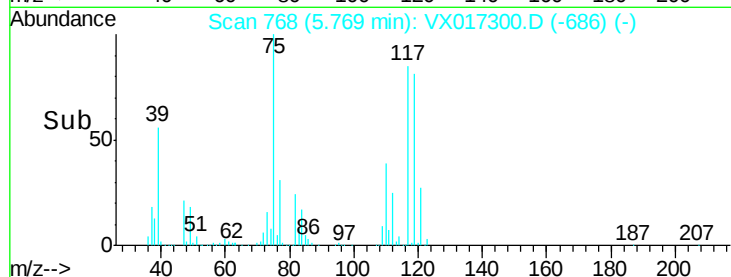
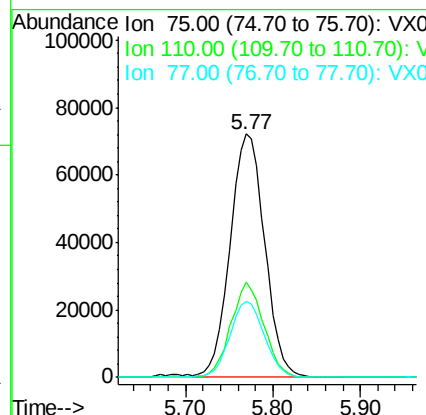
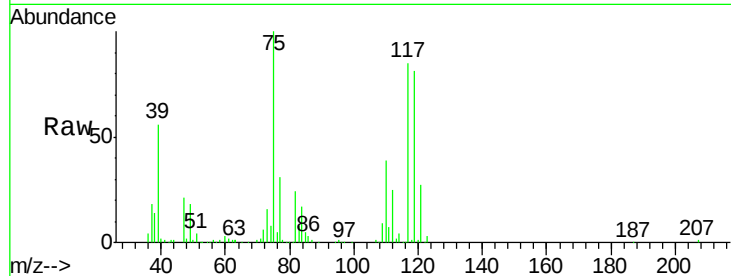
#29
 1,1-Dichloropropene
 Concen: 45.783 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	37.1	0.0	75.8
77	31.2	0.0	63.4

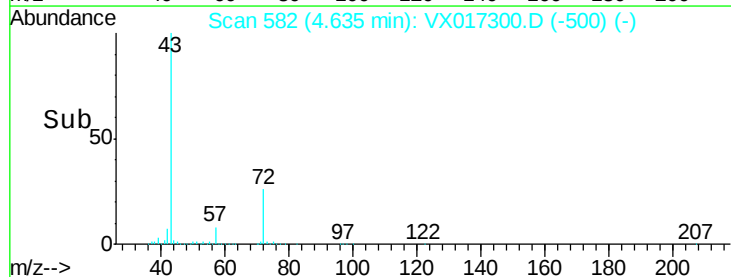
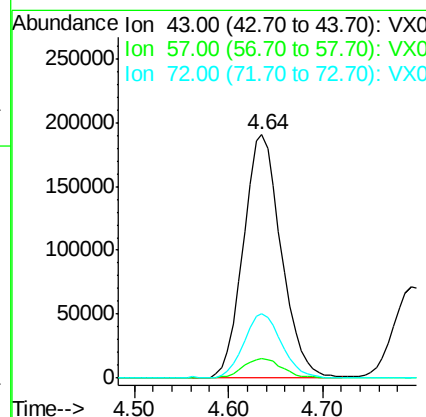
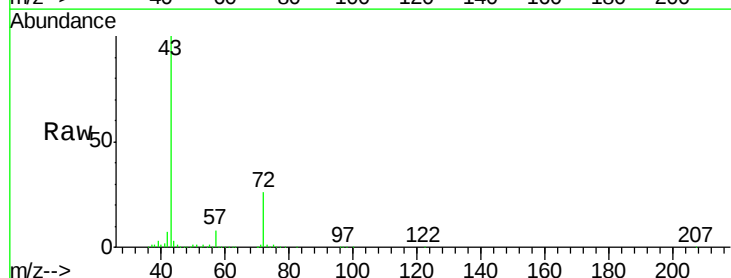
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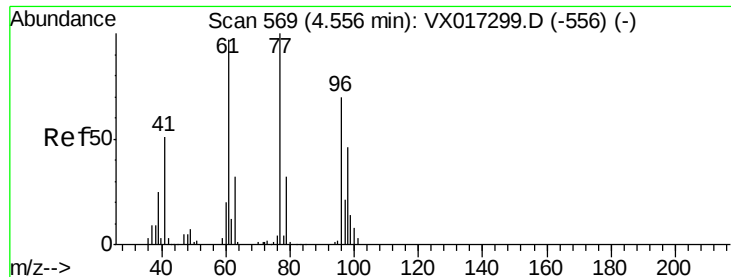
MMDadoda
 7/10/2020 12:36:35 PM



#30
 2-Butanone
 Concen: 236.075 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.8	10.2
72	26.1	21.0	31.6





#31

2,2-Dichloropropane

Concen: 48.346 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 242159

Ion Ratio Lower Upper

77 100

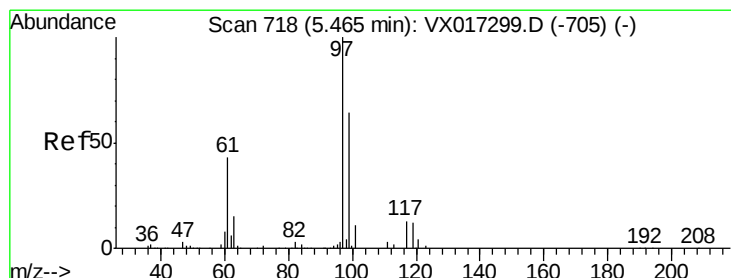
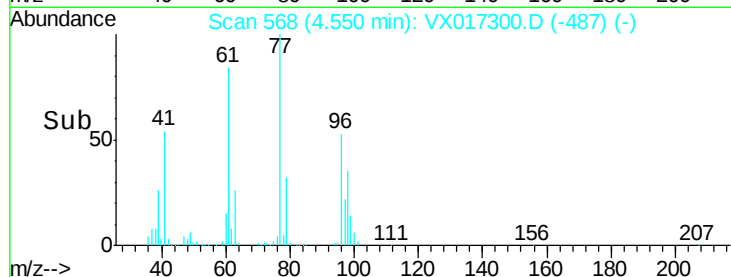
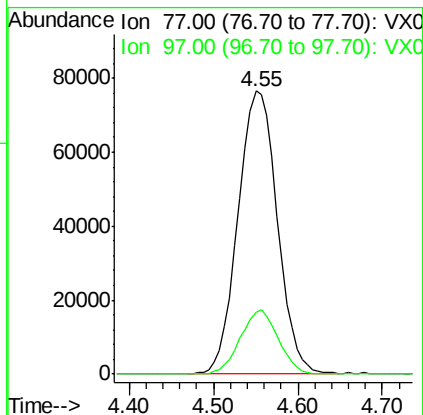
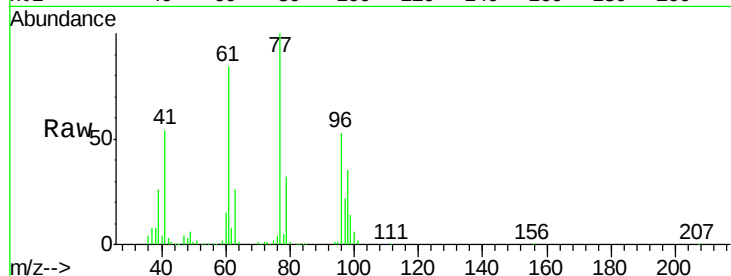
97 21.8 18.2 27.2

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#32

1,1,1-Trichloroethane

Concen: 48.181 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

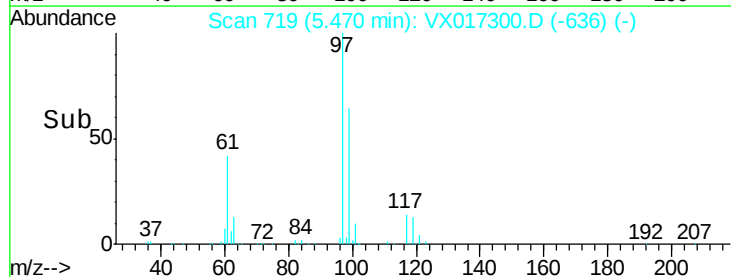
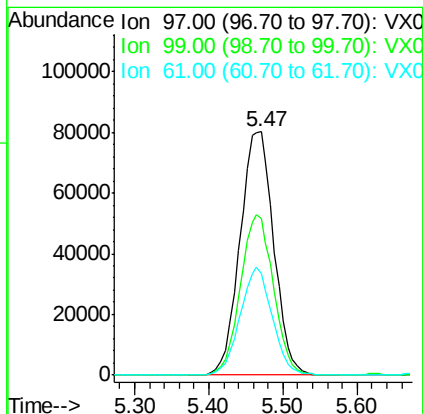
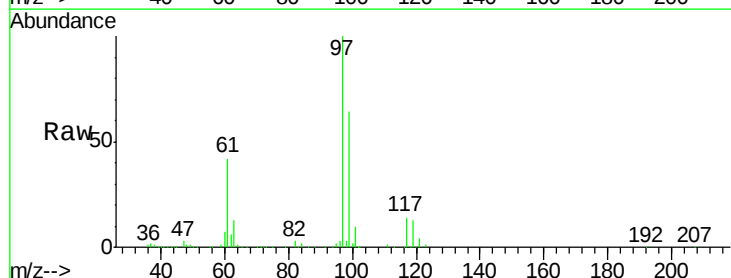
Tgt Ion: 97 Resp: 255036

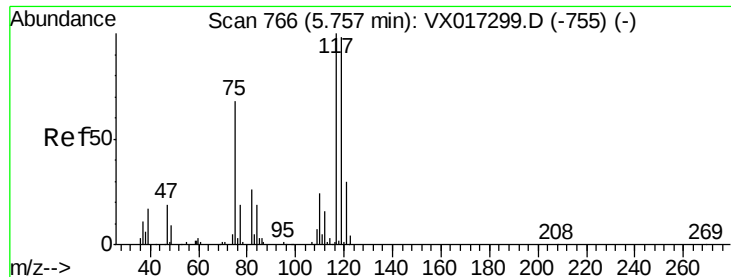
Ion Ratio Lower Upper

97 100

99 64.5 53.2 79.8

61 42.0 34.0 51.0





#33

Carbon Tetrachloride

Concen: 49.757 ug/l

RT: 5.76 min Scan# 766

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

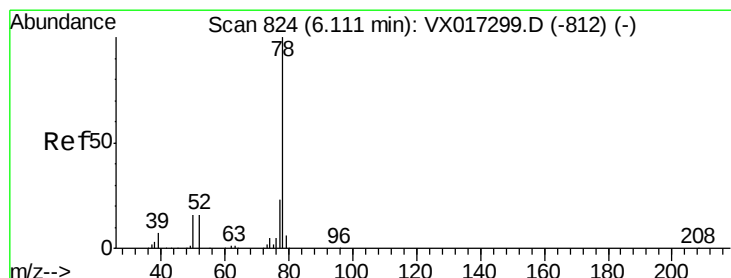
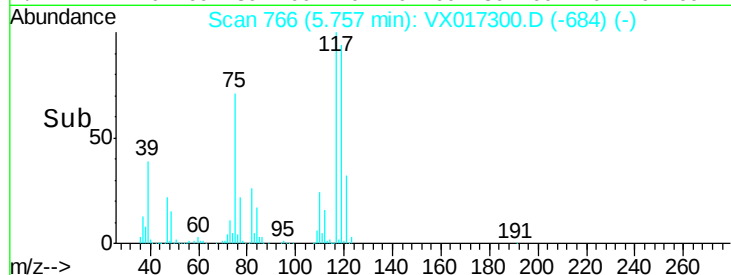
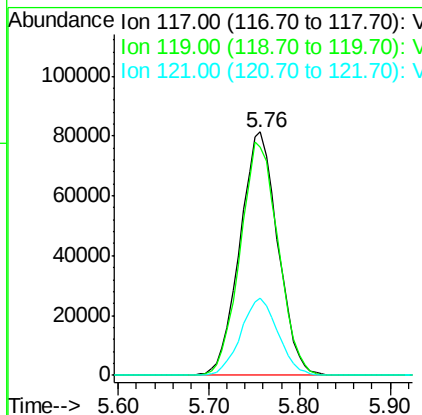
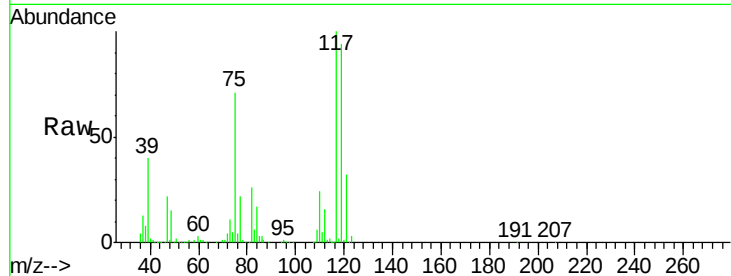
ClientSampleId :

VSTDIC050

Tot Ion:	117	Resp:	235135
Ion Ratio	Lower	Upper	
117	100		
119	93.9	78.8	118.2
121	31.9	23.7	35.5

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#34

Benzene

Concen: 45.741 ug/l

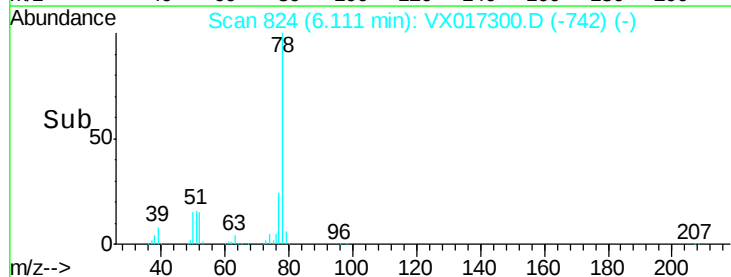
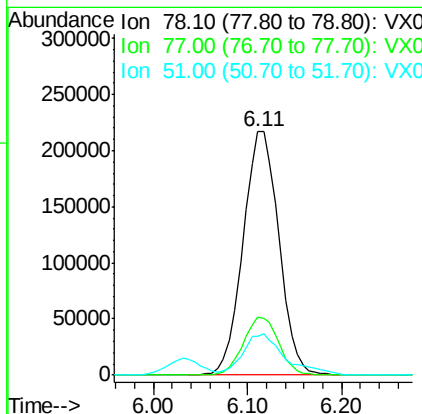
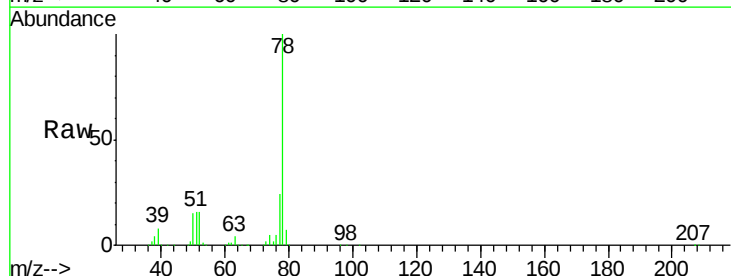
RT: 6.11 min Scan# 824

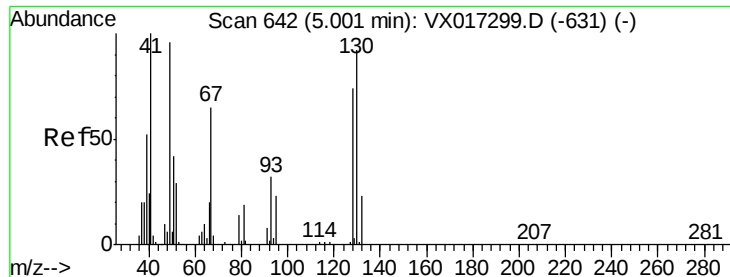
Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Tgt Ion:	78	Resp:	575328
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.1	27.1
51	15.6	12.9	19.3





#35

Methacrylonitrile

Concen: 47.733 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

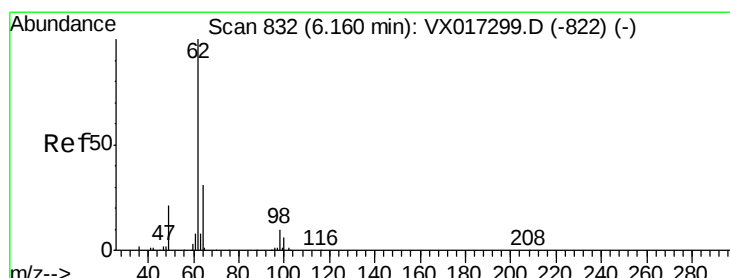
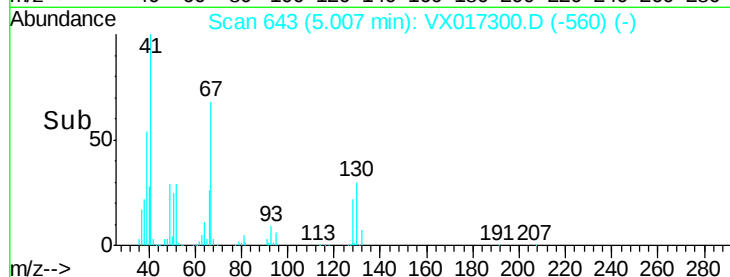
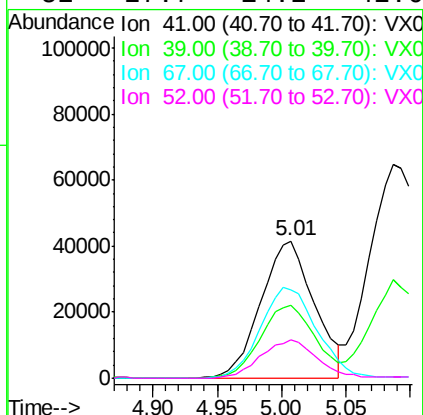
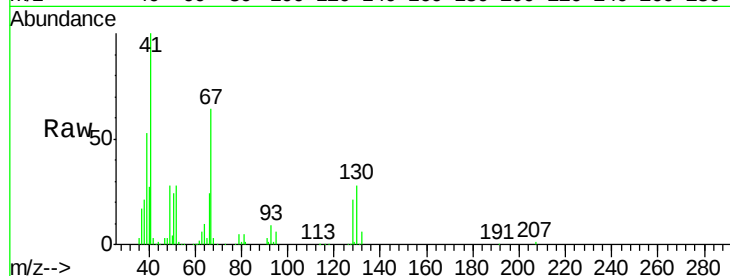
ClientSampleId :

VSTDIC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	26.0	78.0	
67	64.7	32.6	97.8	
52	27.7	14.2	42.6	

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#36

1,2-Dichloroethane

Concen: 46.051 ug/l

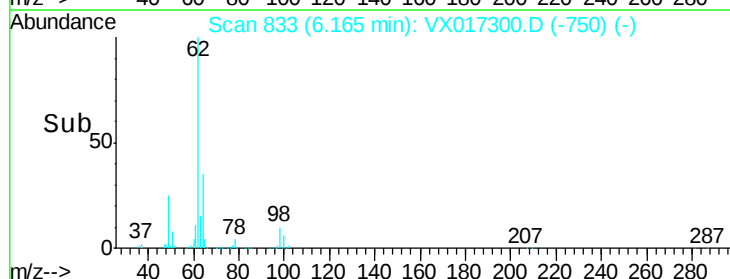
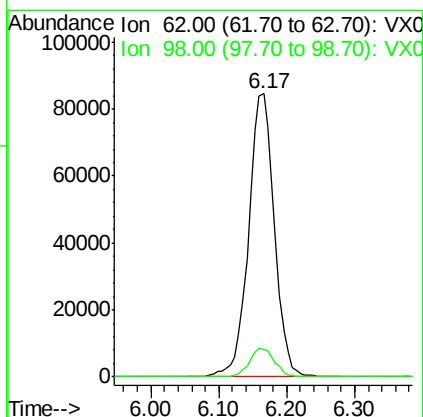
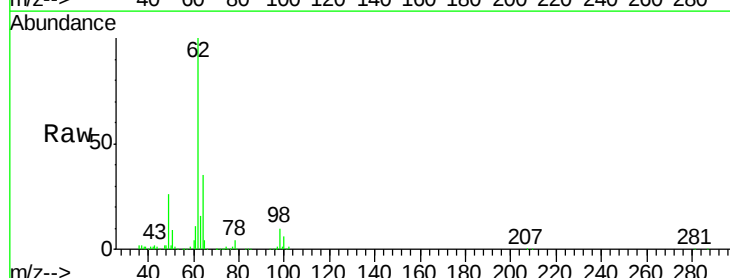
RT: 6.17 min Scan# 833

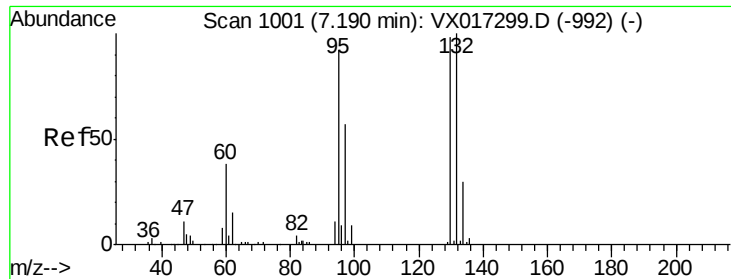
Delta R.T. 0.01 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	7.8	11.8	





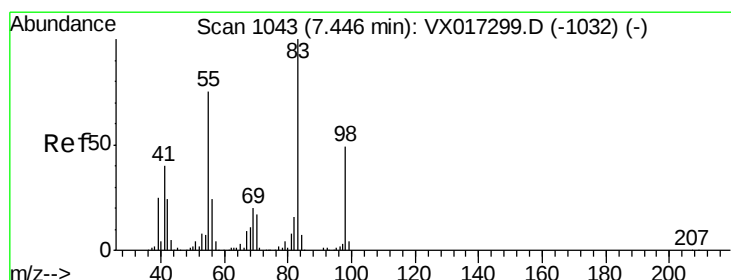
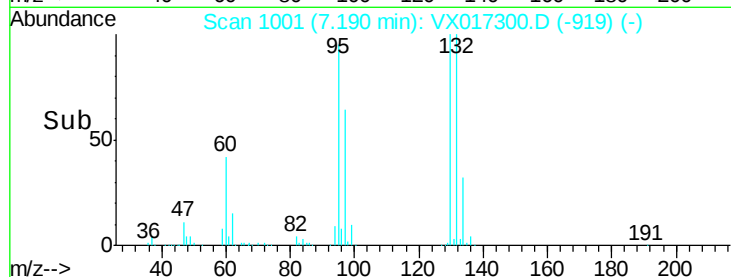
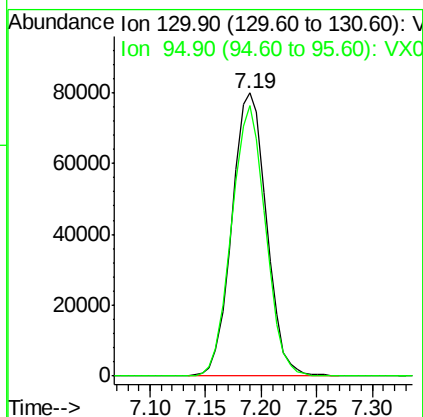
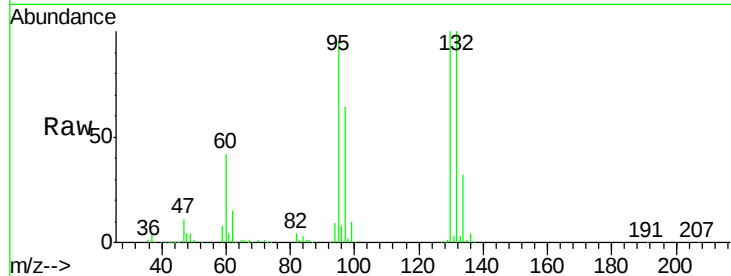
#37
 Trichloroethene
 Concen: 49.337 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 172090
 Ion Ratio Lower Upper
 130 100
 95 95.6 74.4 111.6

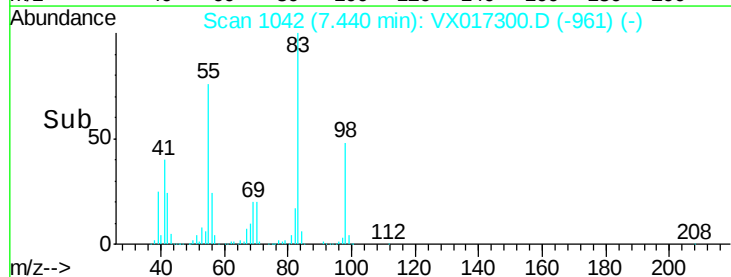
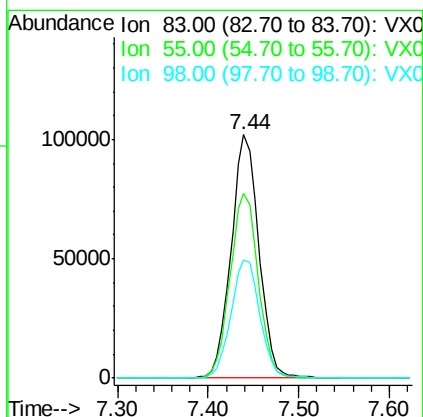
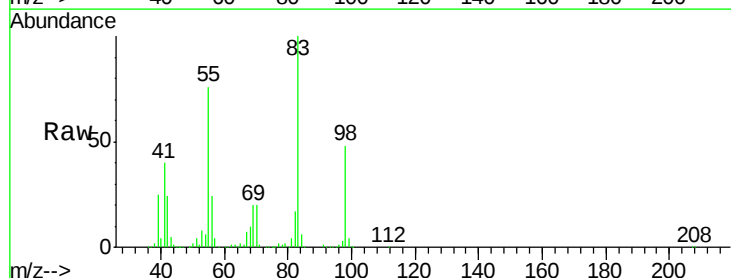
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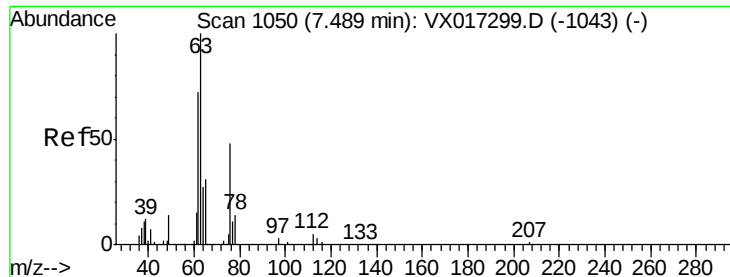
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#38
 Methylcyclohexane
 Concen: 44.325 ug/l
 RT: 7.44 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Tgt Ion: 83 Resp: 216738
 Ion Ratio Lower Upper
 83 100
 55 76.6 39.0 117.0
 98 50.7 25.3 75.9





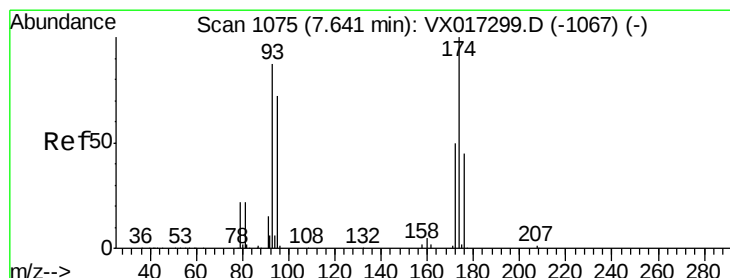
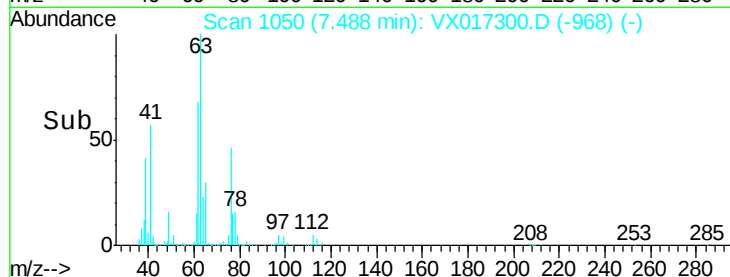
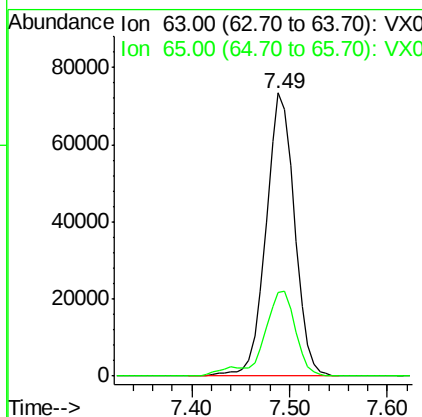
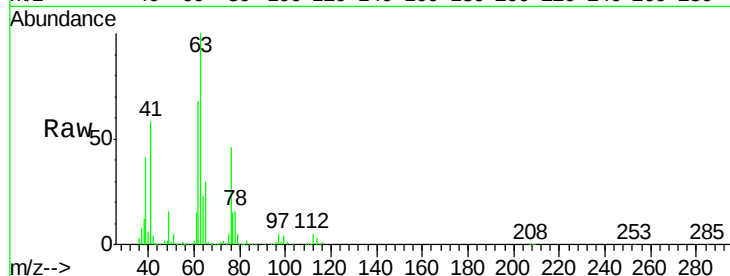
#39
 1,2-Dichloropropane
 Concen: 45.398 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	27.4	41.0

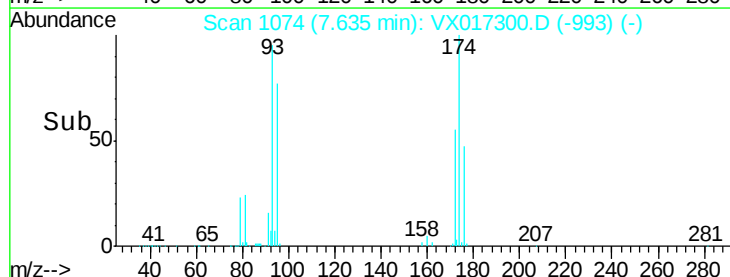
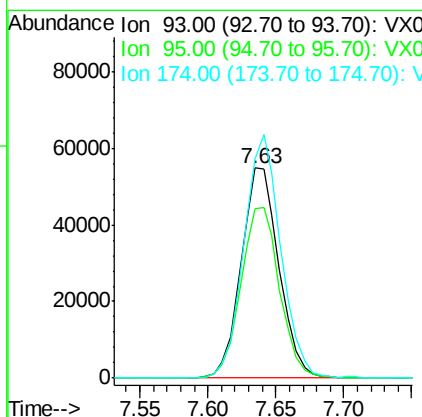
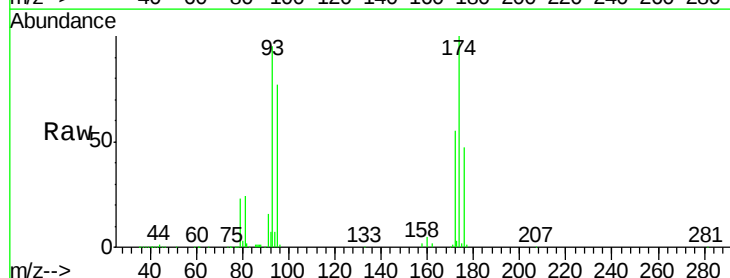
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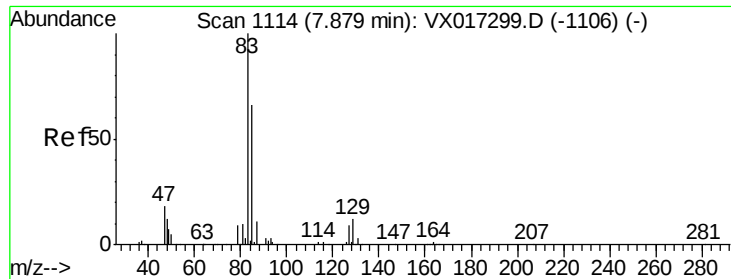
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#40
 Dibromomethane
 Concen: 46.938 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	0.0	164.4
174	112.9	0.0	224.8





#41

Bromodichloromethane

Concen: 47.585 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

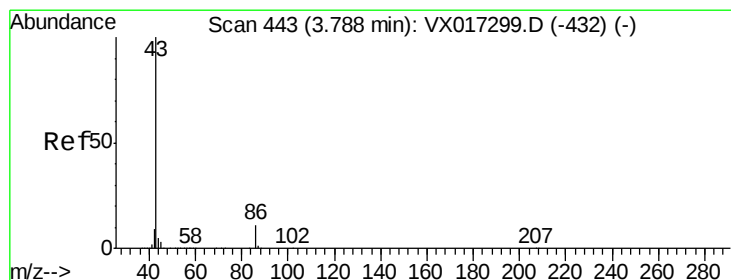
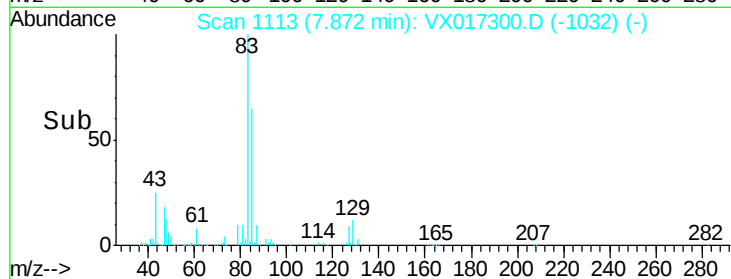
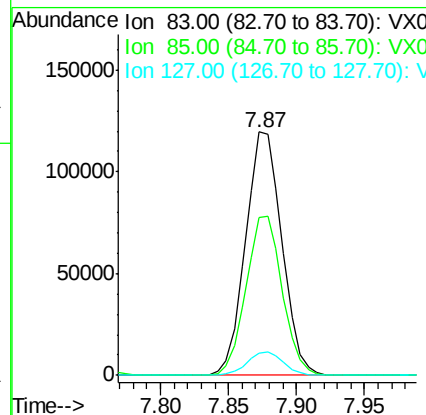
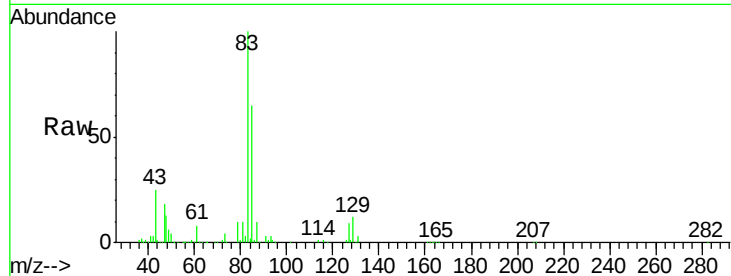
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	223925
Ion Ratio	Lower	Upper	
83	100		
85	64.6	53.1	79.7
127	8.9	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 226.968 ug/l

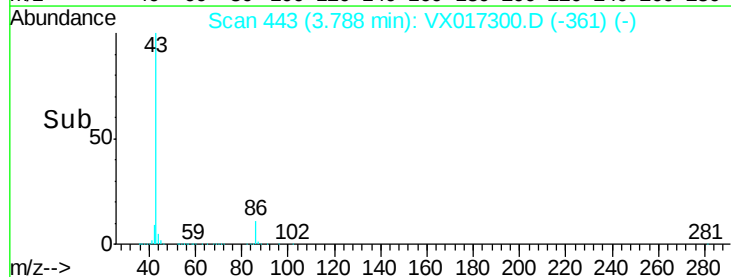
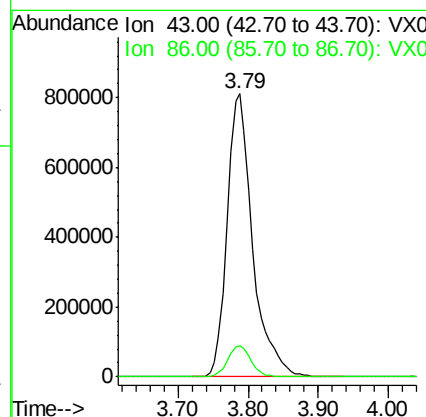
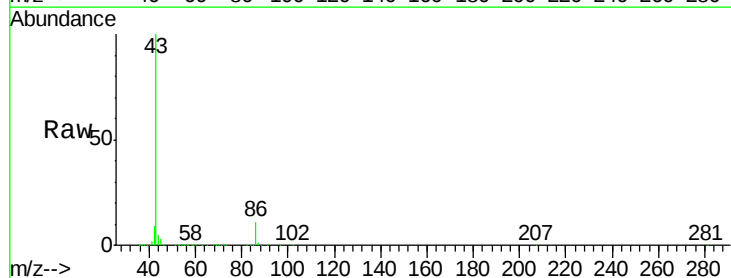
RT: 3.79 min Scan# 443

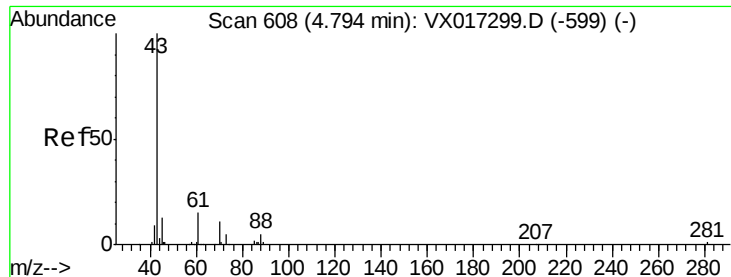
Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Tgt Ion:	43	Resp:	2049226
Ion Ratio	Lower	Upper	
43	100		
86	10.0	7.9	11.9





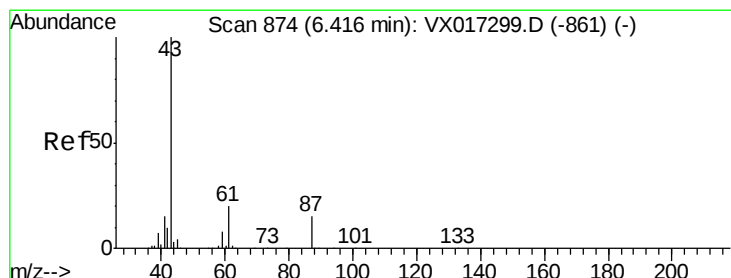
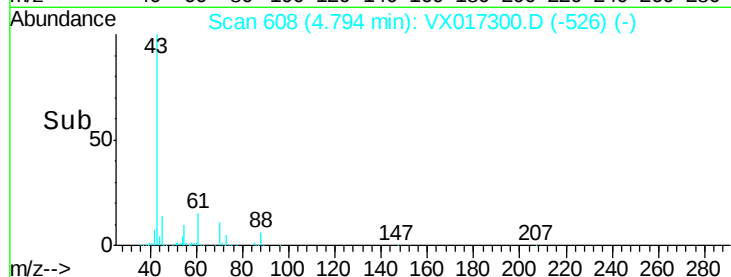
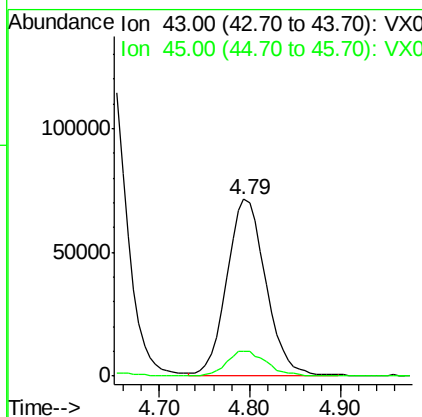
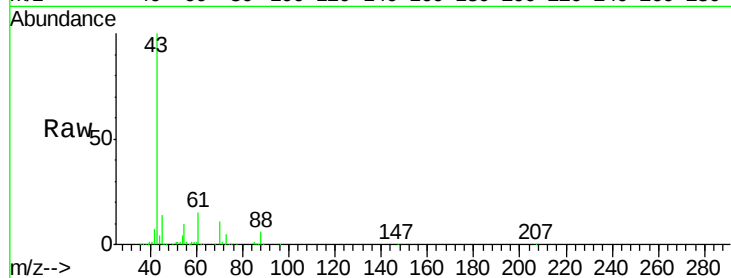
#43
Ethyl Acetate
Concen: 45.738 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion: 43 Resp: 212783
Ion Ratio Lower Upper
43 100
45 14.8 12.1 18.1

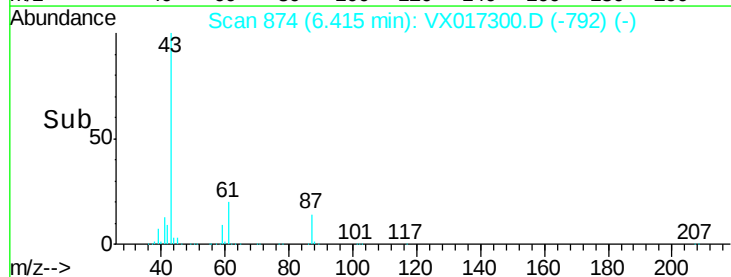
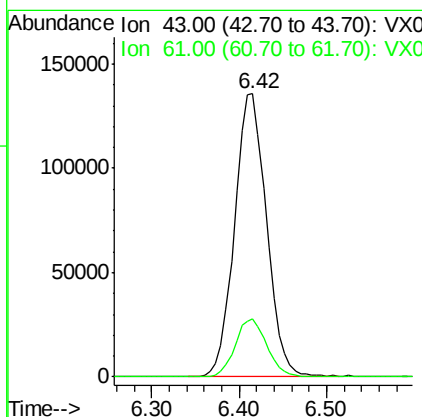
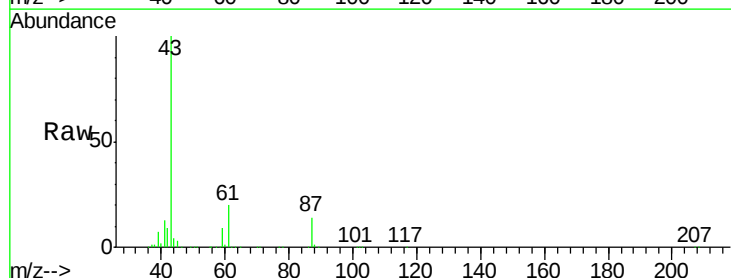
Manual Integrations
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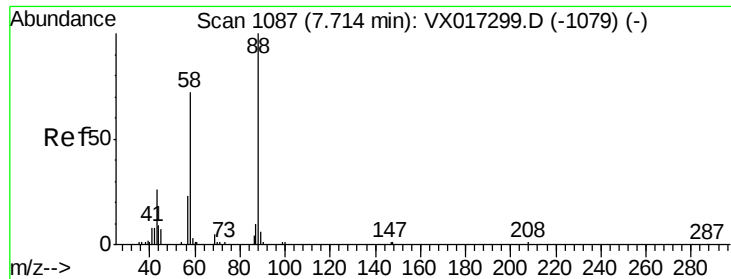
MMDadoda
7/10/2020 12:36:35 PM



#44
Isopropyl Acetate
Concen: 44.997 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion: 43 Resp: 344705
Ion Ratio Lower Upper
43 100
61 20.4 15.7 23.5





#45

1,4-Dioxane

Concen: 869.756 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

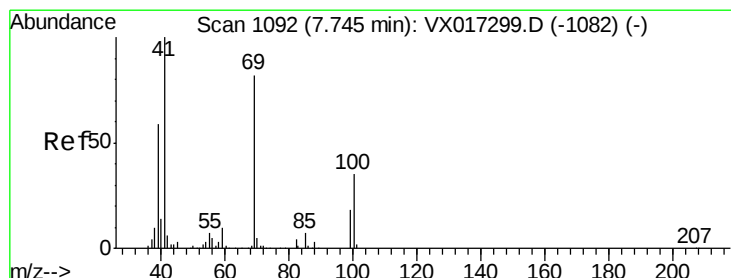
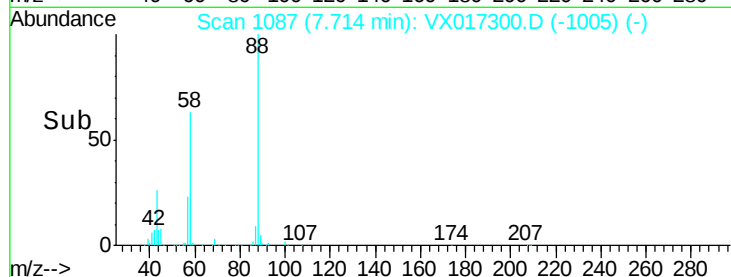
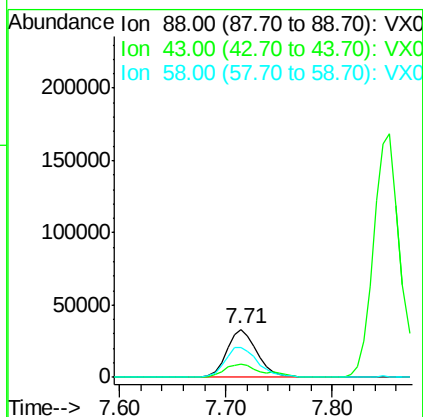
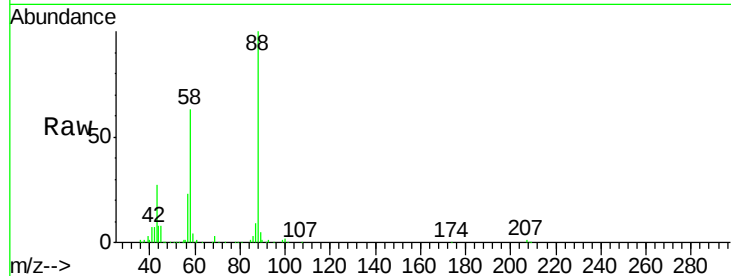
ClientSampleId :

VSTDIC050

Tot Ion:	88	Resp:	65715
Ion	Ratio	Lower	Upper
88	100		
43	33.7	29.0	43.4
58	69.2	58.3	87.5

Manual Integrations
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#46

Methyl methacrylate

Concen: 47.892 ug/l

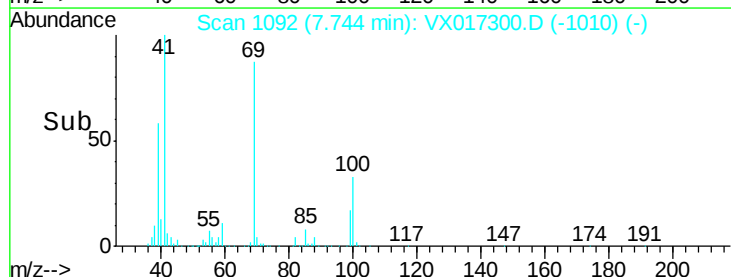
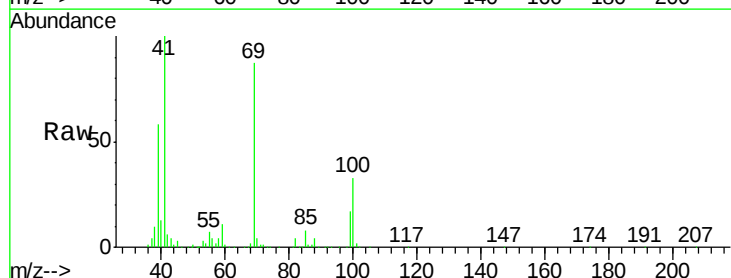
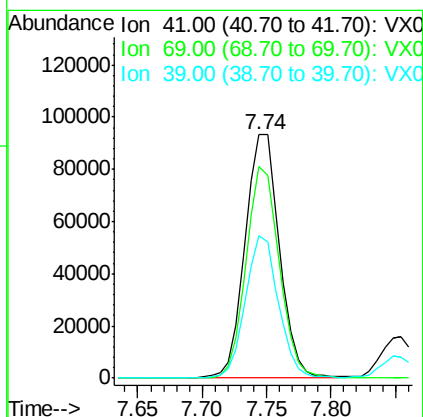
RT: 7.74 min Scan# 1092

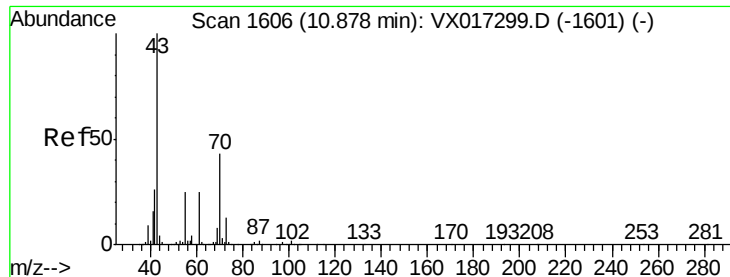
Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Tgt Ion:	41	Resp:	171033
Ion	Ratio	Lower	Upper
41	100		
69	87.1	41.1	123.3
39	58.4	29.2	87.6





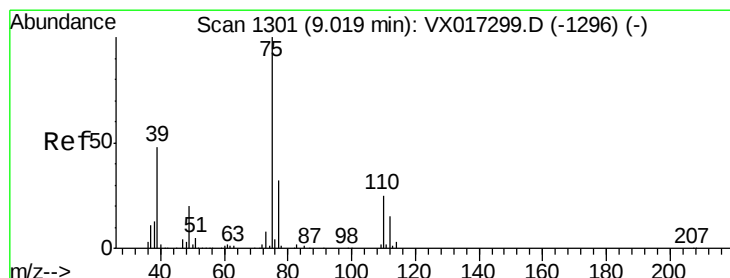
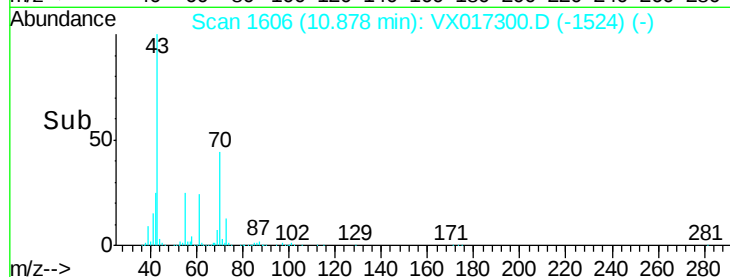
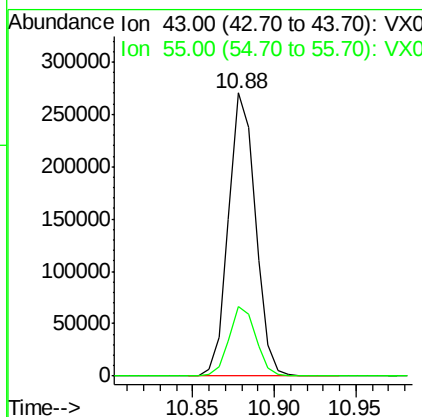
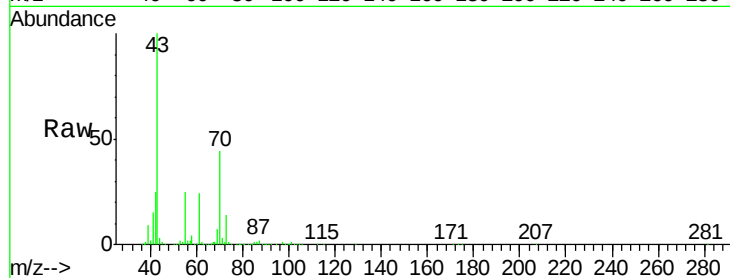
#47
n-amyl Acetate
Concen: 45.939 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 310808
Ion Ratio Lower Upper
43 100
55 24.6 20.4 30.6

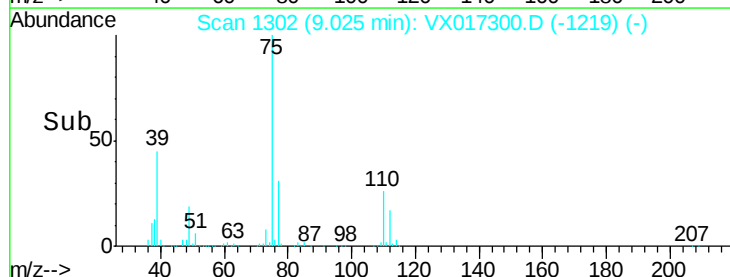
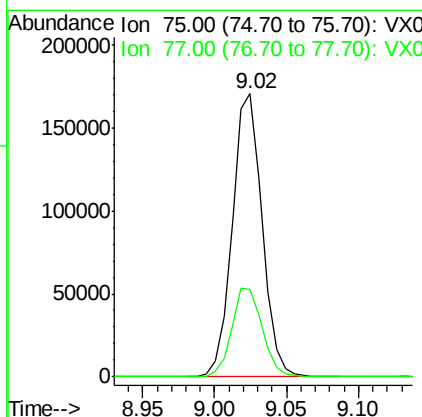
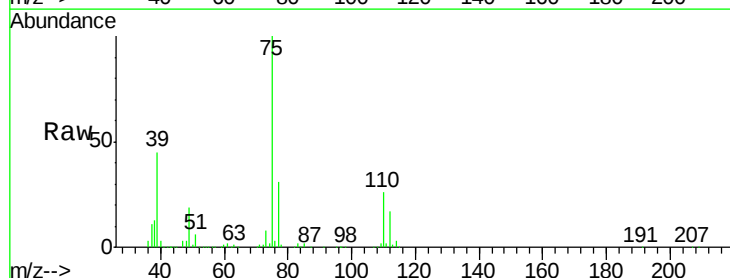
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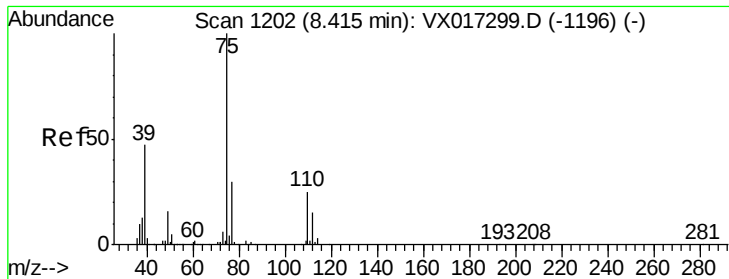
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 47.079 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion: 75 Resp: 245483
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4





#49

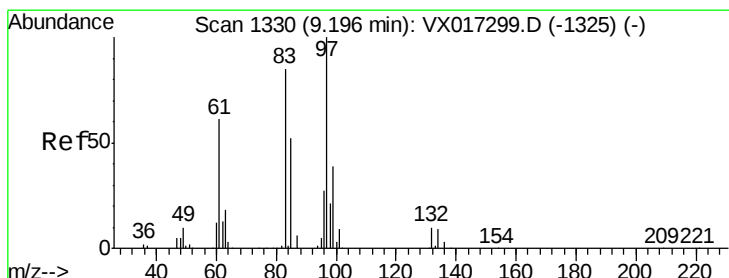
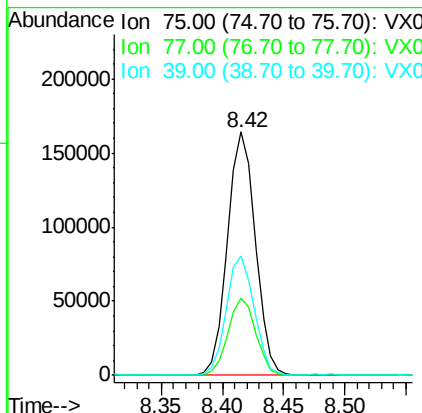
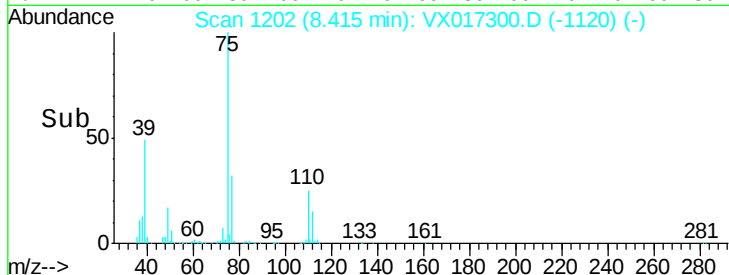
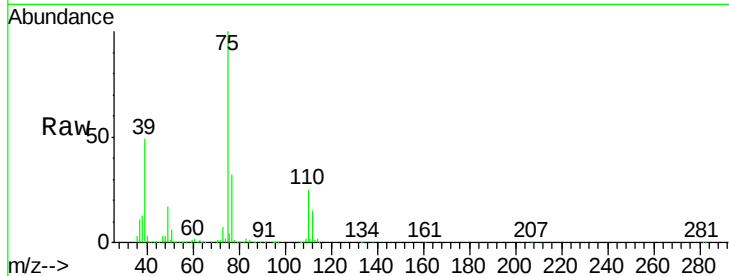
cis-1,3-Dichloropropene
Concen: 47.440 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	23.6	35.4
39	48.9	37.5	56.3

Manual Integrations
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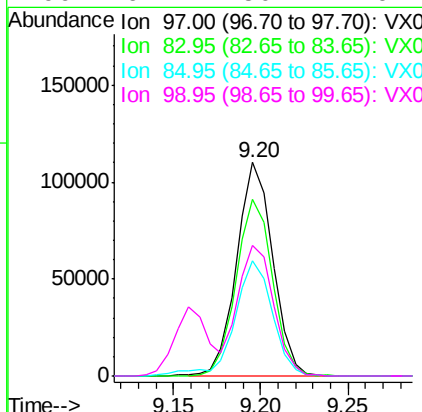
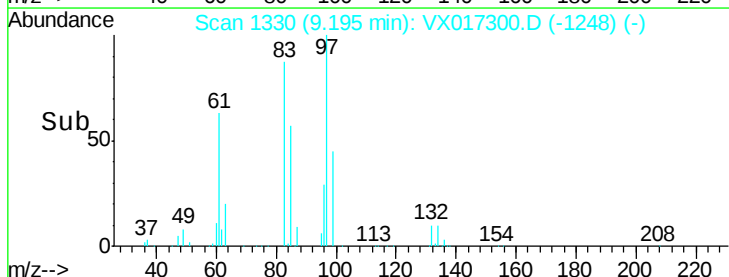
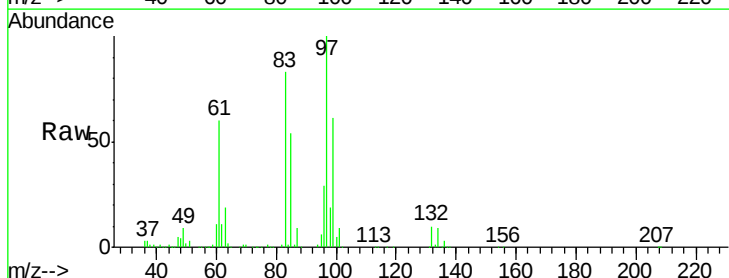
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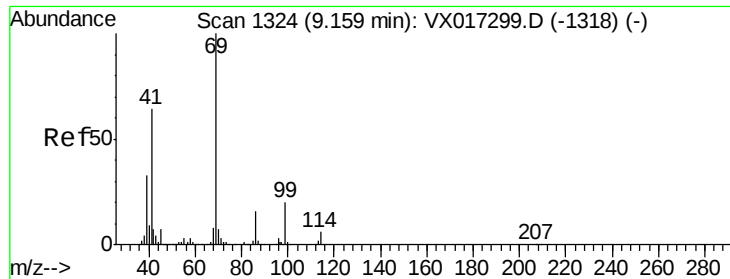


#50

1,1,2-Trichloroethane
Concen: 49.313 ug/l
RT: 9.20 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.9	101.9
85	54.2	42.6	64.0
99	61.4	50.7	76.1





#51

Ethyl methacrylate

Concen: 48.576 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

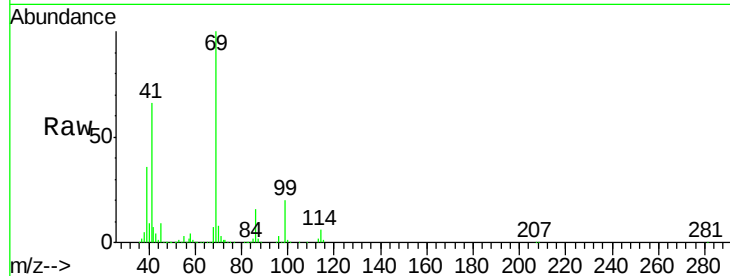
ClientSampleId :

VSTDIC050

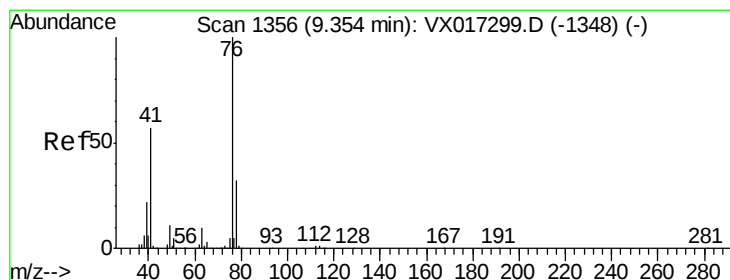
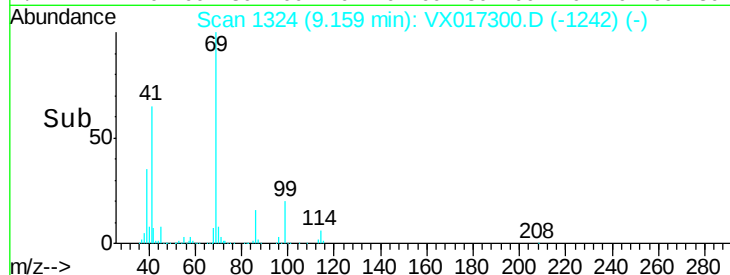
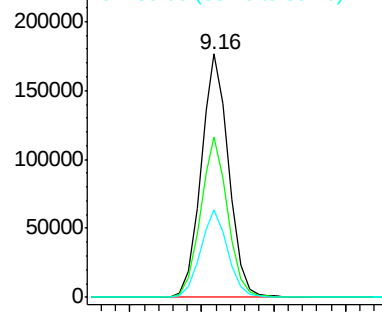
Tot Ion:	69	Resp:	235848
Ion Ratio	Lower	Upper	
69	100		
41	66.0	32.1	96.5
39	35.9	16.3	48.9

Manual Integrations
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Abundance Ion 69.00 (68.70 to 69.70): VX017299.D (-1318) (-)



#52

1,3-Dichloropropane

Concen: 47.509 ug/l

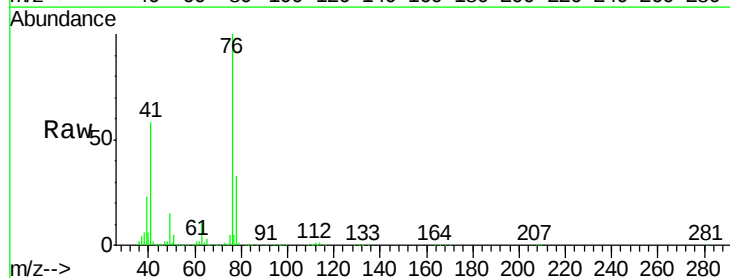
RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

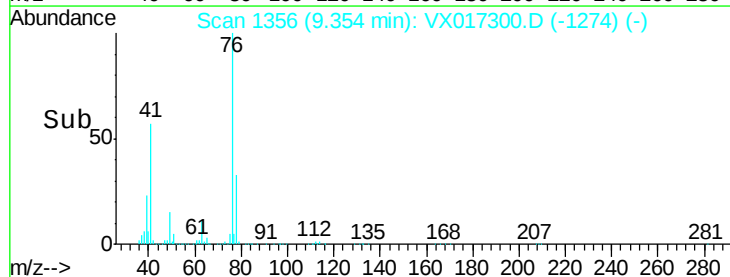
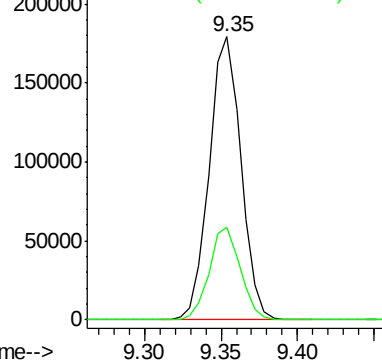
Lab File: VX017300.D

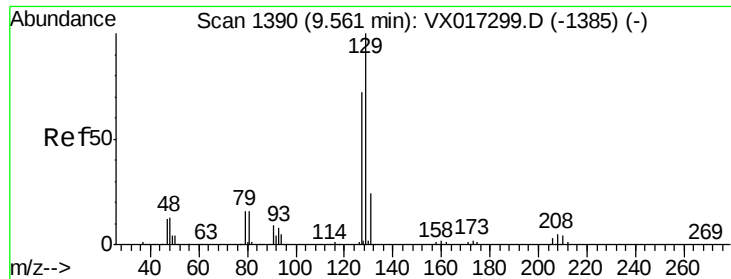
Acq: 09 Jul 2020 11:15

Tgt Ion:	76	Resp:	257839
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	65.6



Abundance Ion 76.00 (75.70 to 76.70): VX017299.D (-1348) (-)





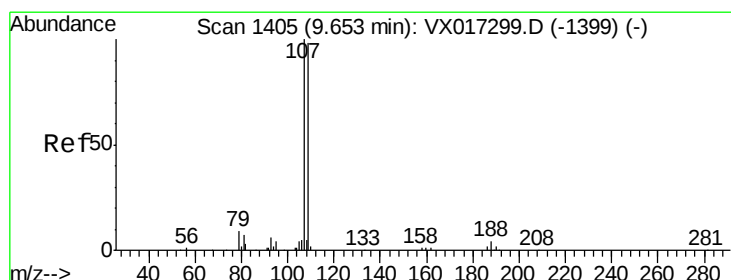
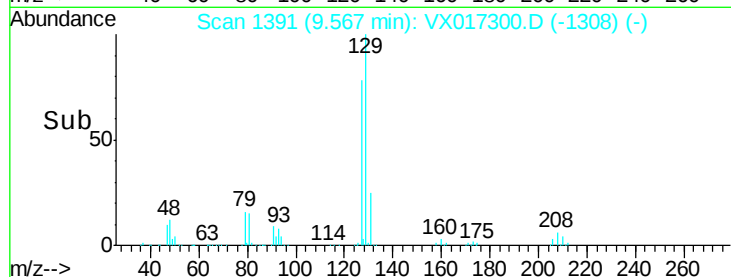
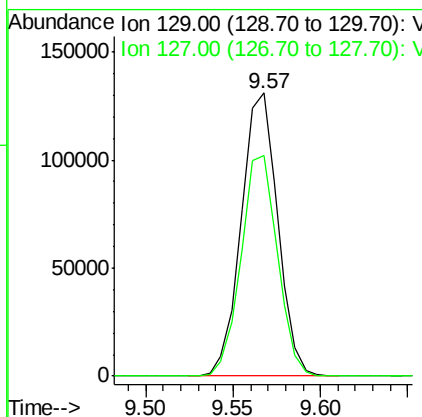
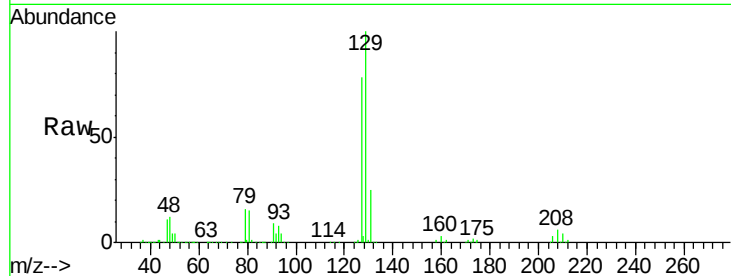
#53
 Dibromochloromethane
 Concen: 51.377 ug/l
 RT: 9.57 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.5	37.5	112.5

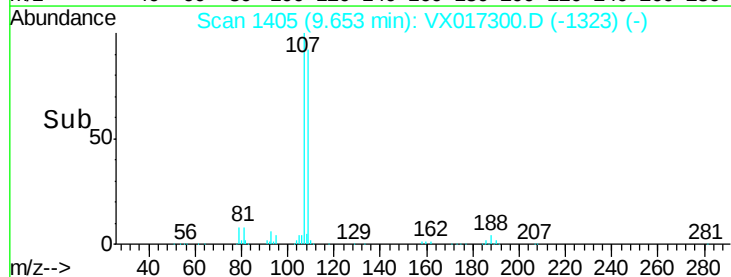
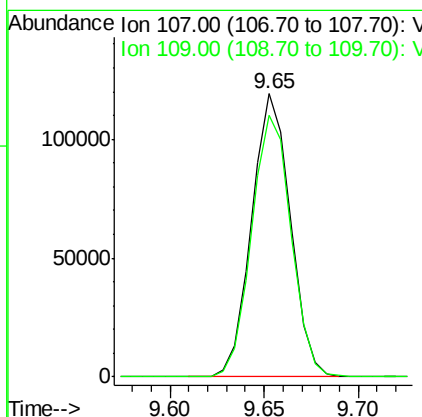
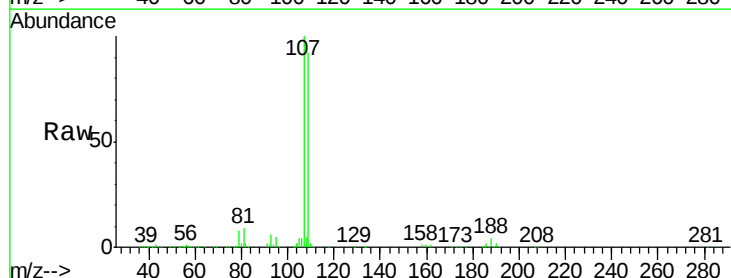
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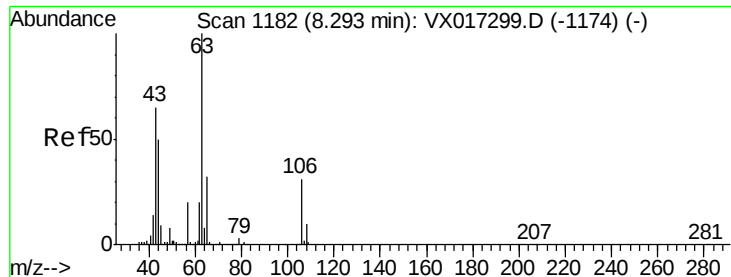
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 49.701 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.9	115.3





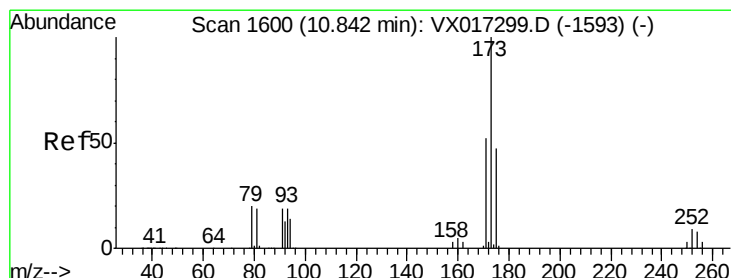
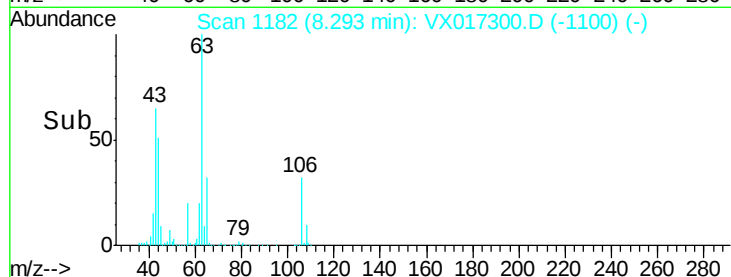
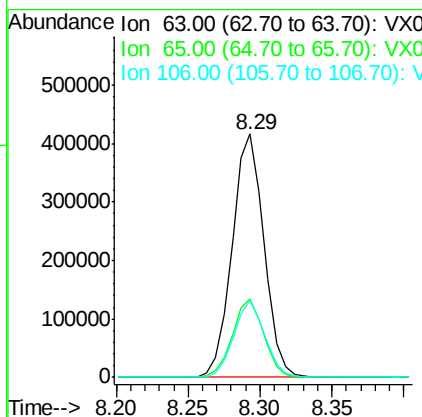
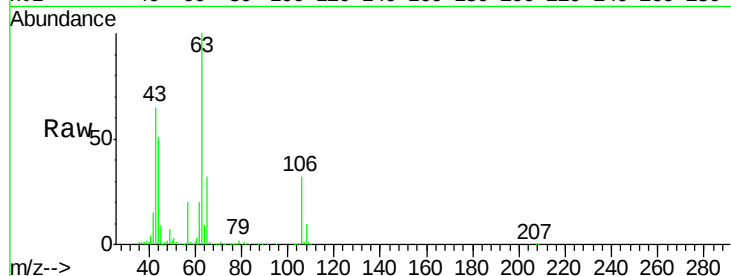
#55
2-Chloroethyl vinyl ether
Concen: 249.795 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.0
106	30.7	24.5	36.7

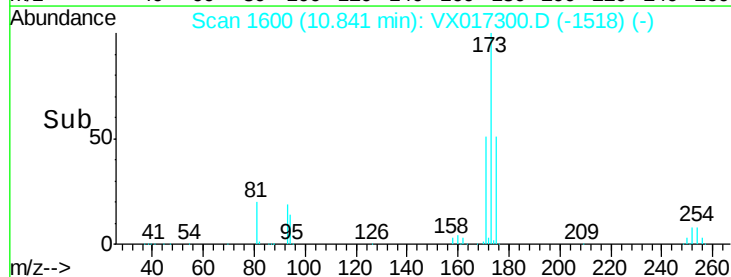
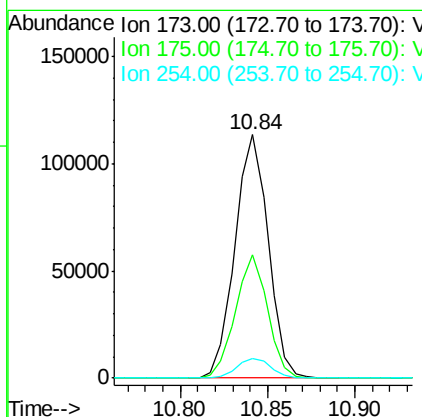
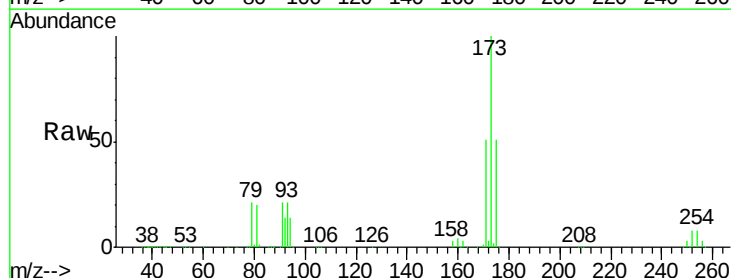
Manual Integrations
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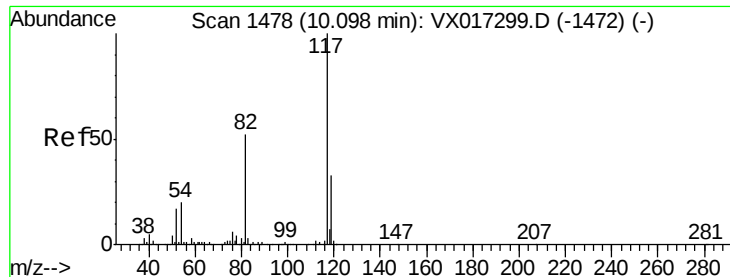
MMDadoda
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#56
Bromoform
Concen: 55.898 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.4	57.6
254	8.3	7.0	10.4





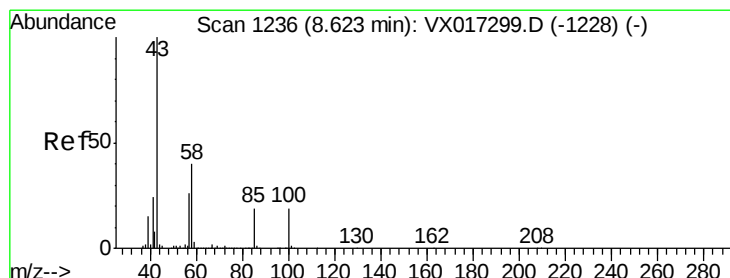
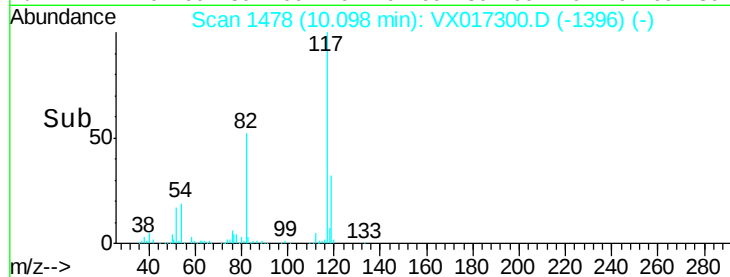
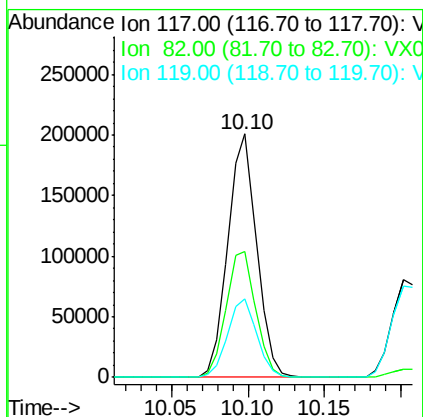
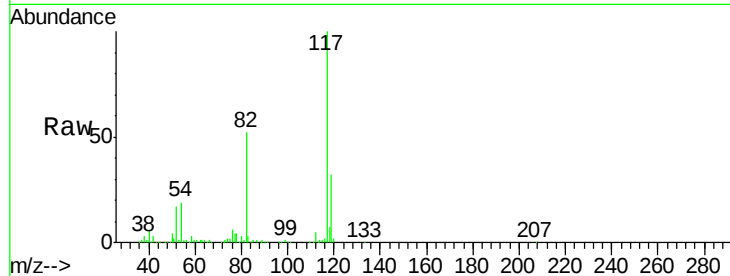
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.2	63.4
119	32.4	26.4	39.6

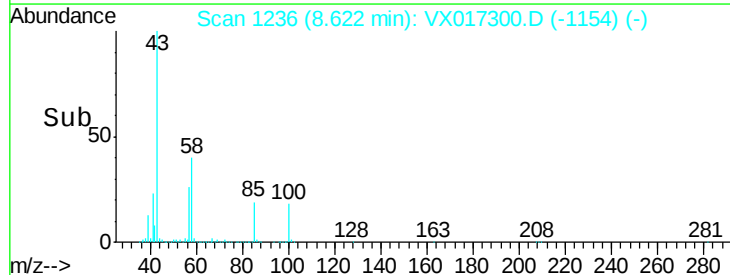
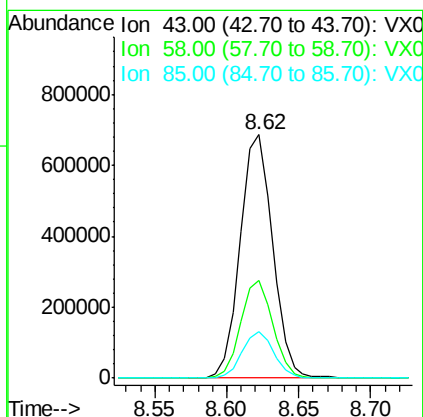
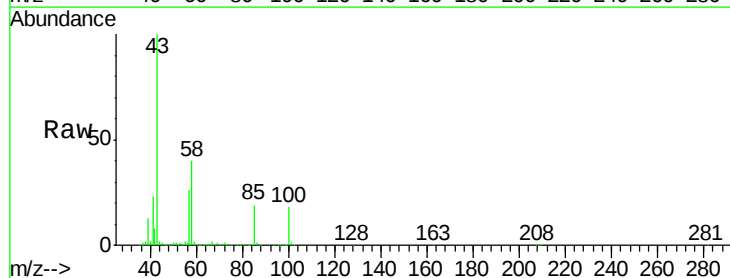
Manual Integrations
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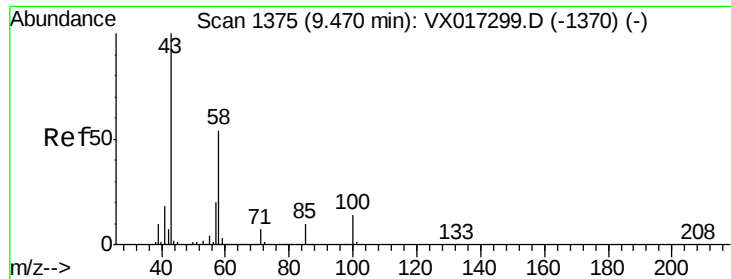
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 229.075 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.9	32.2	48.2
85	18.7	14.8	22.2





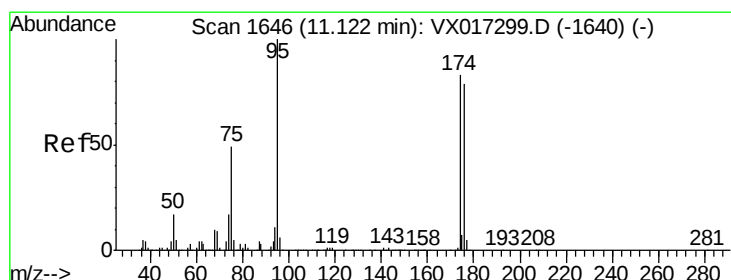
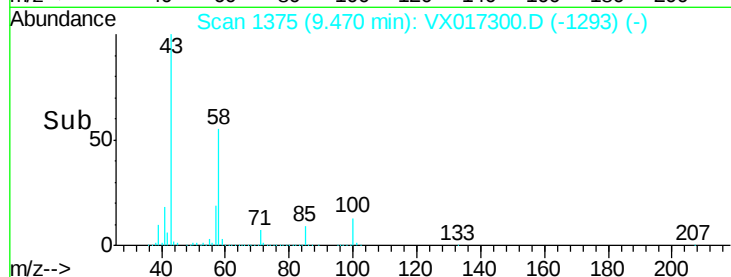
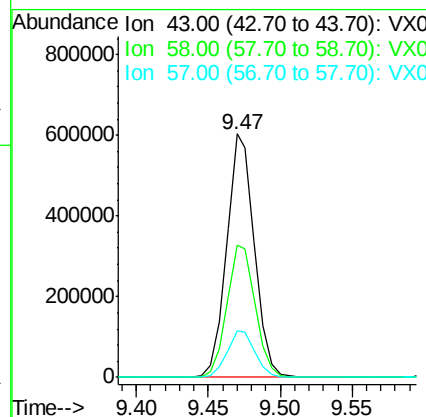
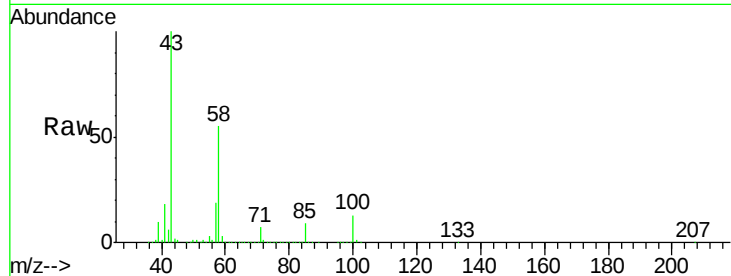
#59
2-Hexanone
Concen: 232.558 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	816314		
58	55.6		43.4	65.0
57	19.5		15.1	22.7

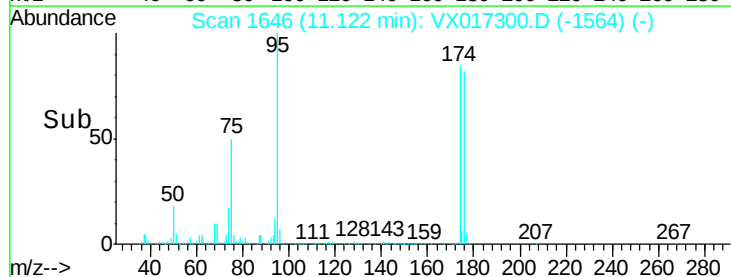
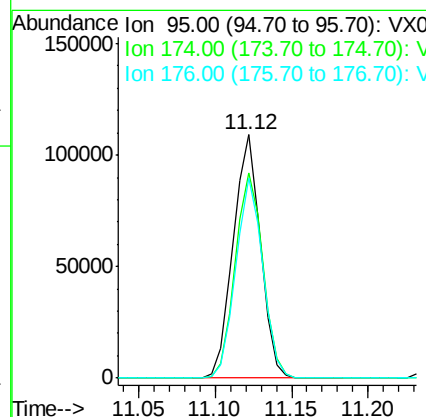
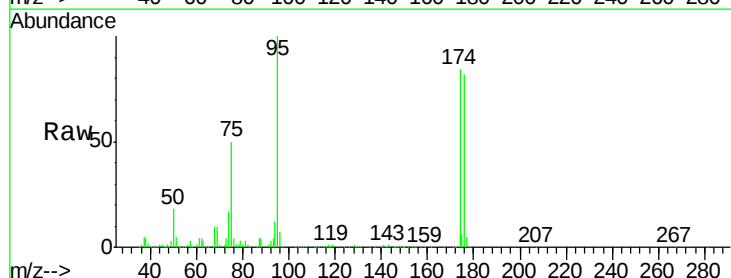
Manual Integrations
APPROVED

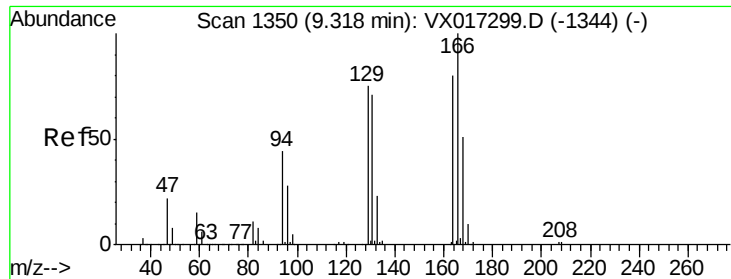
MMDadoda
7/10/2020 12:36:35 PM



#60
4-Bromofluorobenzene
Concen: 30.566 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	135022		
174	85.2		66.9	100.3
176	81.2		65.5	98.3





#61

Tetrachloroethene

Concen: 50.610 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 170176

Ion Ratio Lower Upper

164 100

166 127.5 99.8 149.6

129 93.4 74.4 111.6

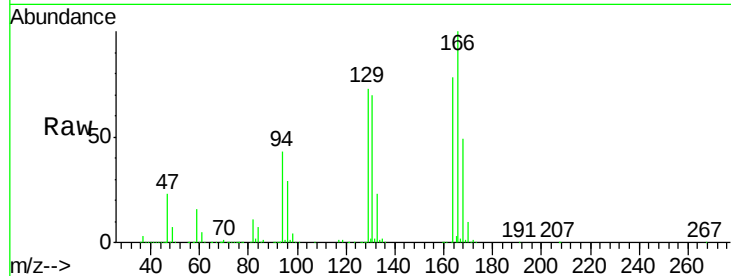
131 89.6 70.6 105.8

Manual Integrations

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MMDadoda

7/10/2020 12:36:35 PM

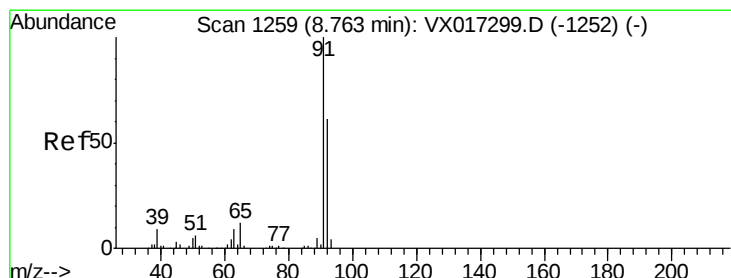
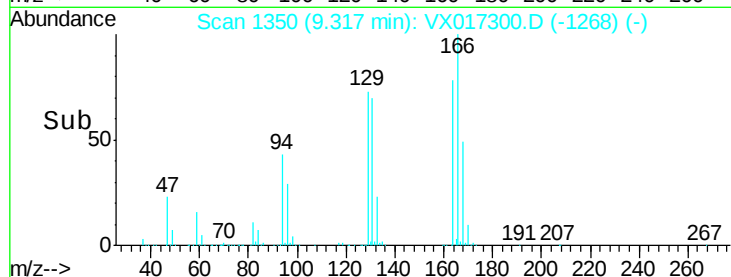
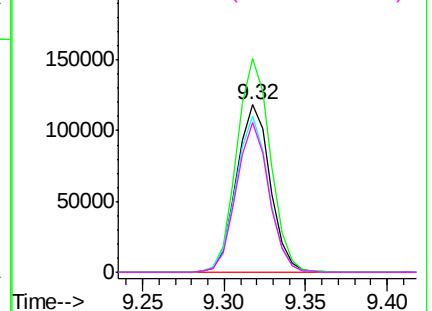


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 45.800 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017300.D

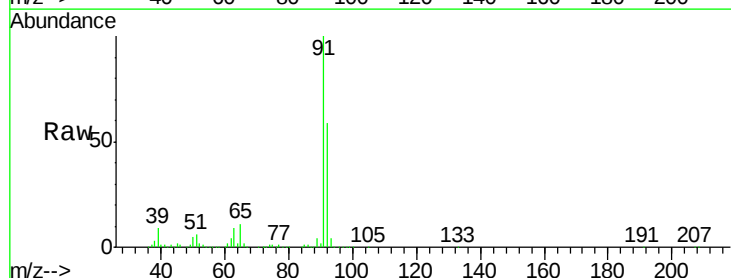
Acq: 09 Jul 2020 11:15

Tgt Ion: 91 Resp: 639045

Ion Ratio Lower Upper

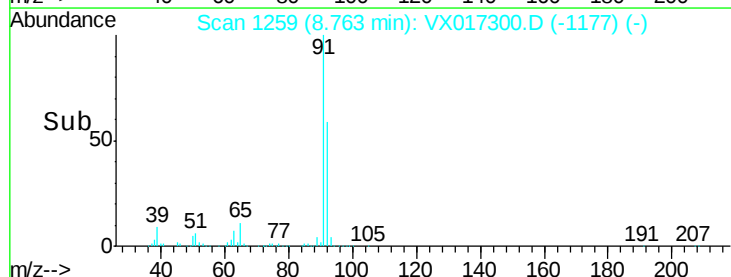
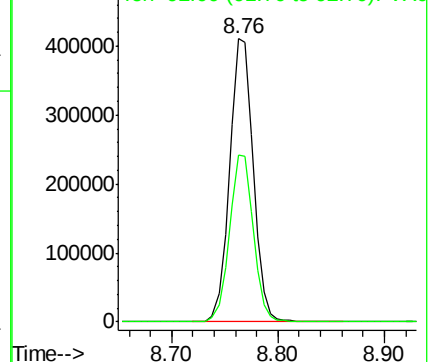
91 100

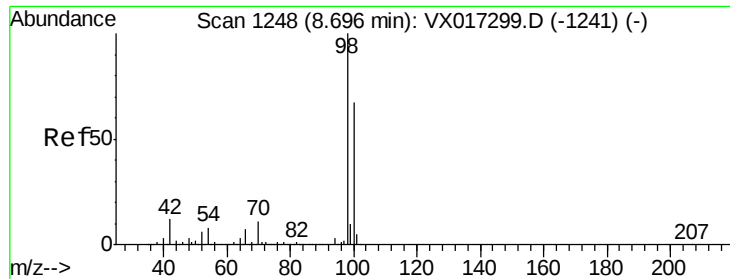
92 59.5 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





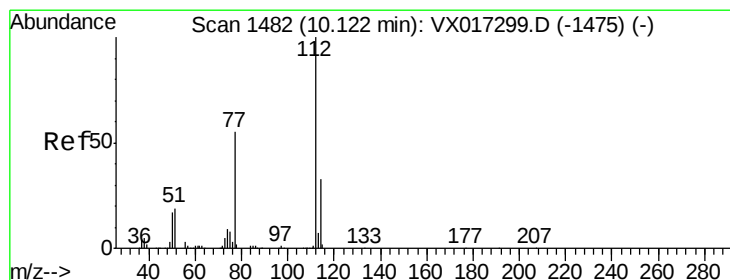
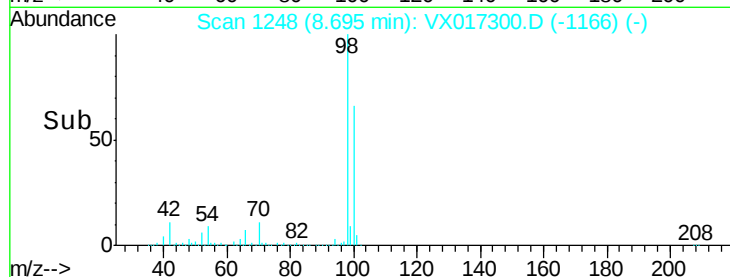
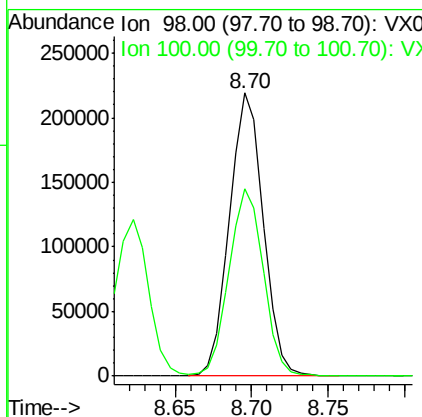
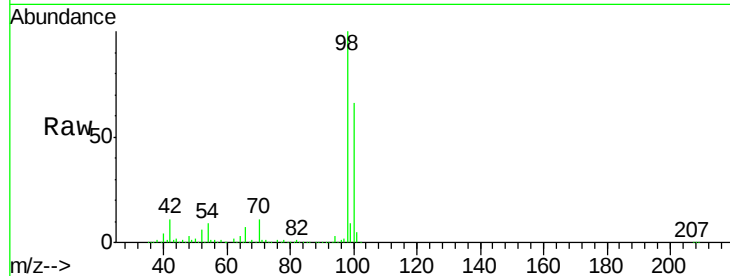
#63
Toluene-d8
Concen: 29.065 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 335566
Ion Ratio Lower Upper
98 100
100 67.6 52.8 79.2

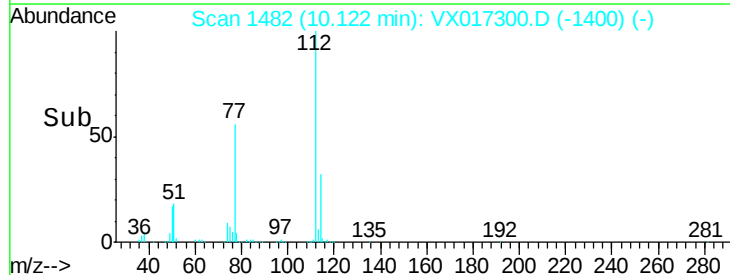
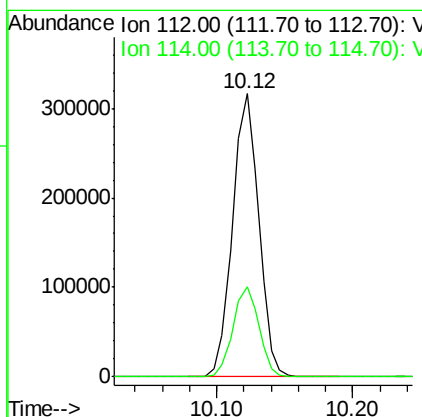
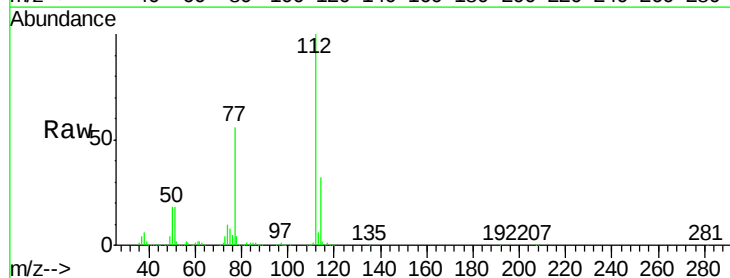
Manual Integrations
APPROVED

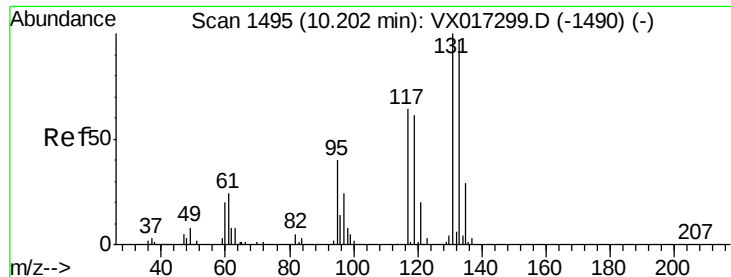
MMDadoda
7/10/2020 12:36:35 PM



#64
Chlorobenzene
Concen: 48.138 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion: 112 Resp: 425129
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 50.507 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

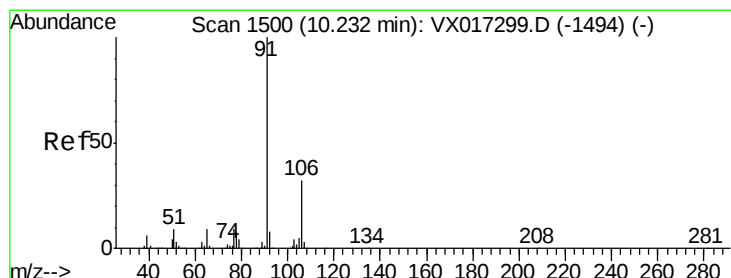
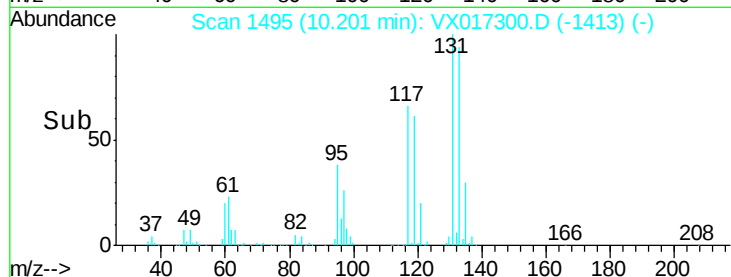
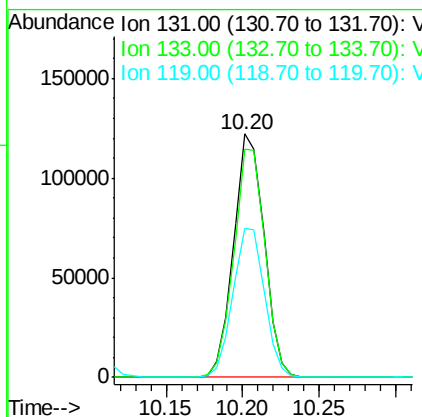
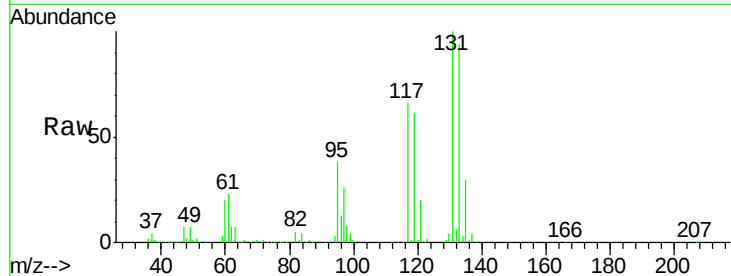
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	169387
Ion Ratio		Lower	Upper
131	100		
133	95.9	0.0	196.8
119	63.2	0.0	126.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 46.643 ug/l

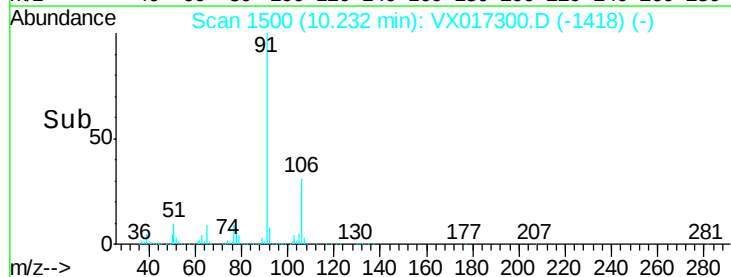
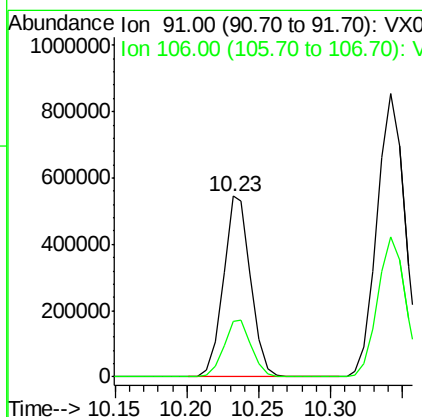
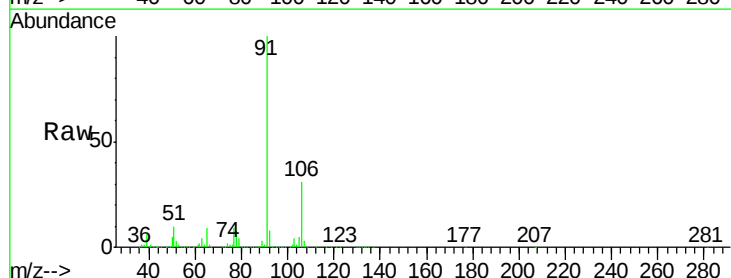
RT: 10.23 min Scan# 1500

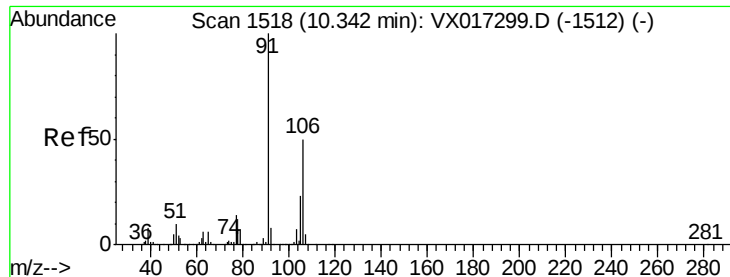
Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Tgt Ion:	91	Resp:	722180
Ion Ratio		Lower	Upper
91	100		
106	30.9	25.2	37.8





#67

m/p-Xylenes

Concen: 95.615 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:106 Resp: 562940

Ion Ratio Lower Upper

106 100

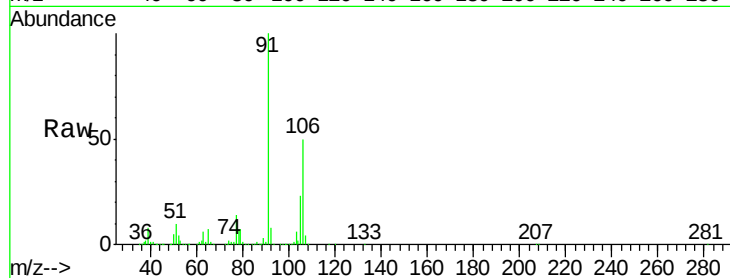
91 202.1 159.7 239.5

Manual Integrations

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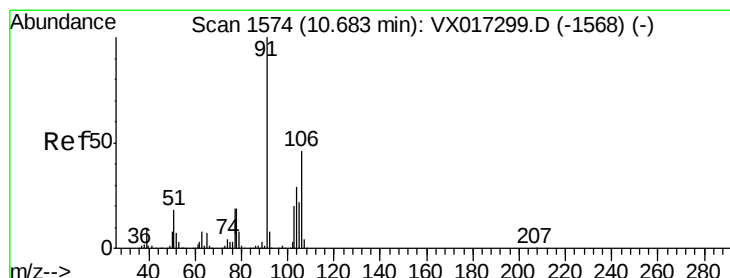
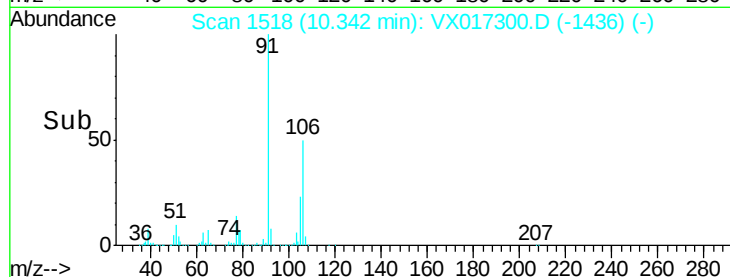
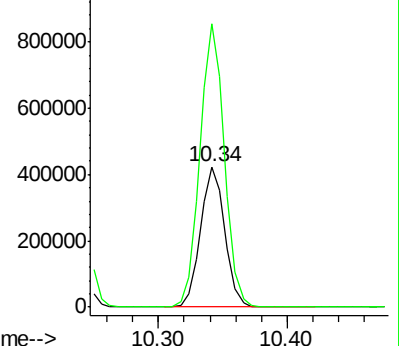
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 47.957 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017300.D

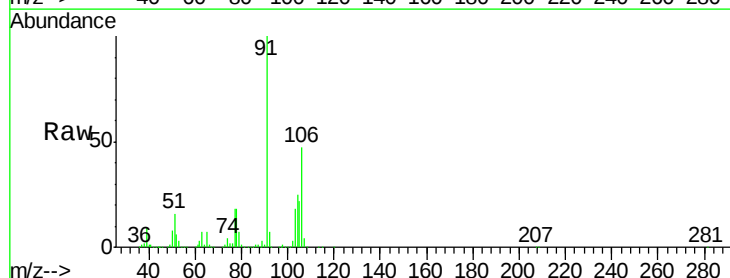
Acq: 09 Jul 2020 11:15

Tgt Ion:106 Resp: 268547

Ion Ratio Lower Upper

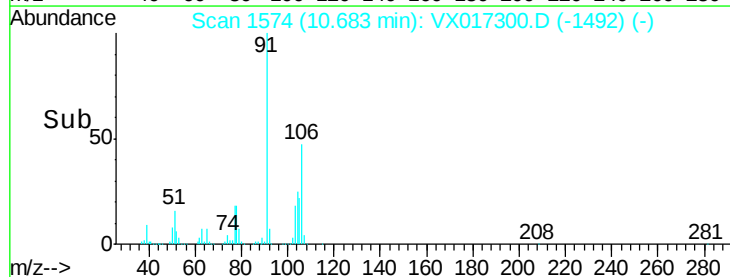
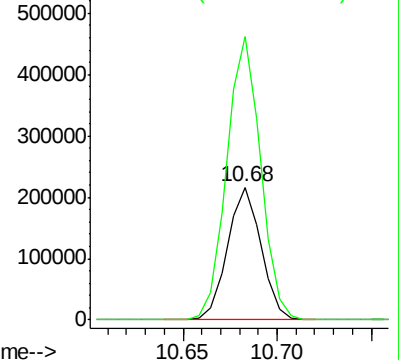
106 100

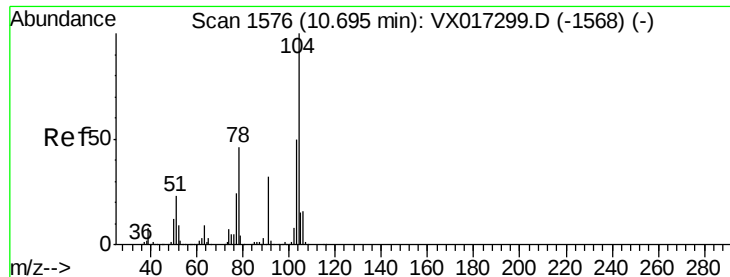
91 214.2 109.6 328.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





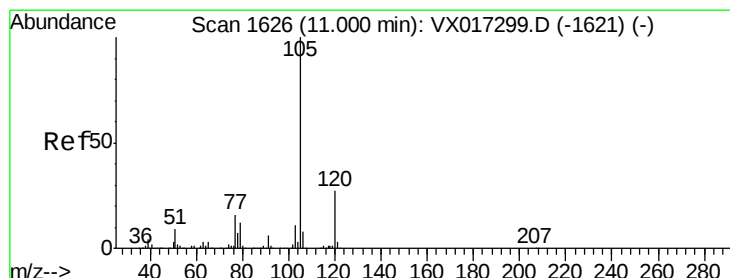
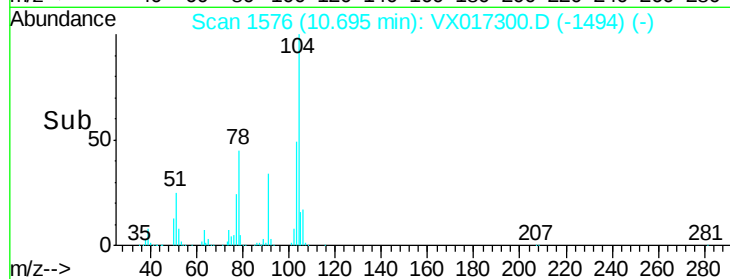
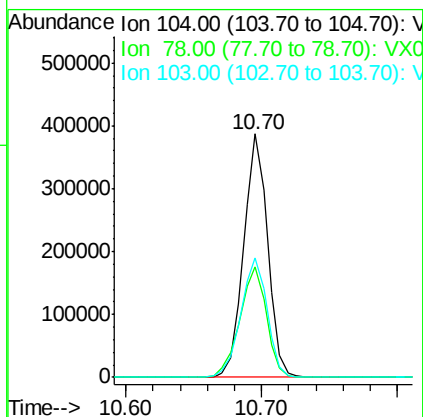
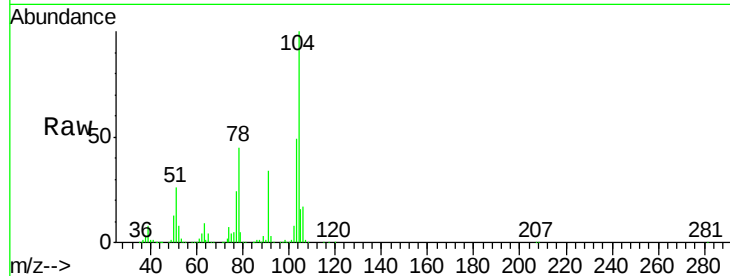
#69
Stvrene
Concen: 49.153 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.8	61.2
103	53.8	44.3	66.5

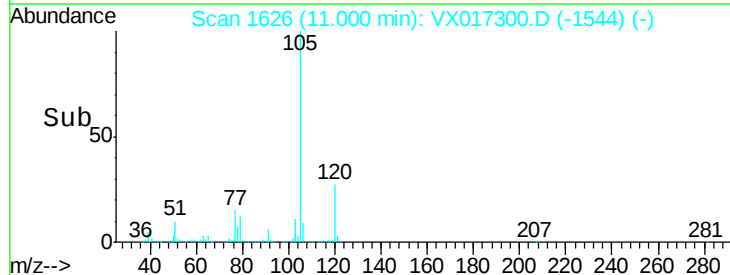
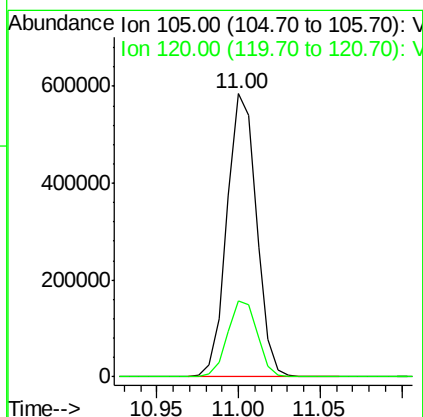
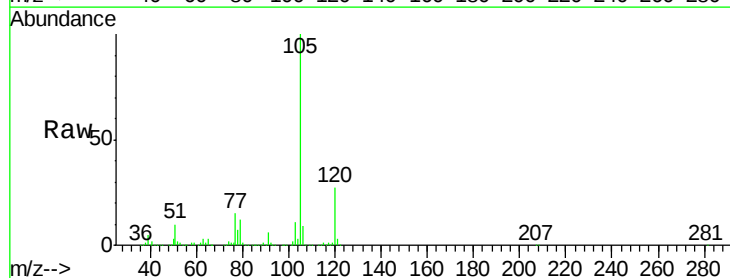
Manual Integrations
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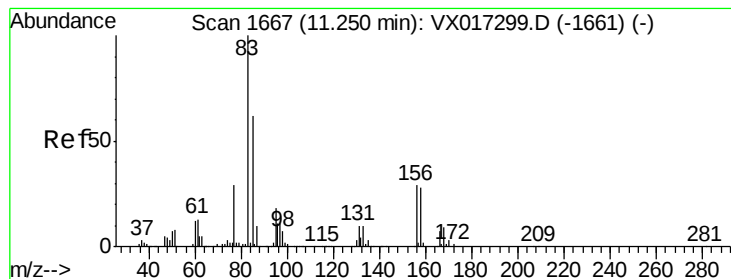
MMDadoda
7/10/2020 12:36:35 PM



#70
Isopropylbenzene
Concen: 47.861 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	19.3	35.8





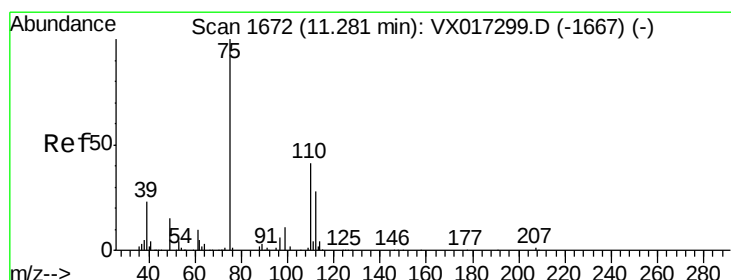
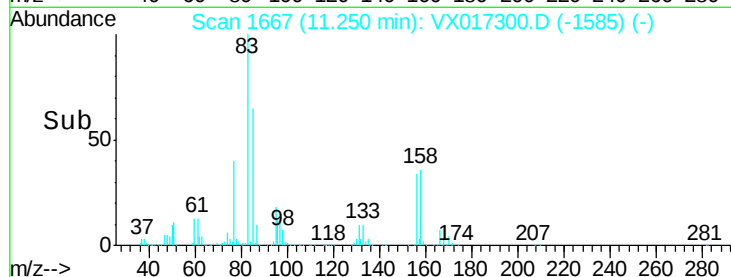
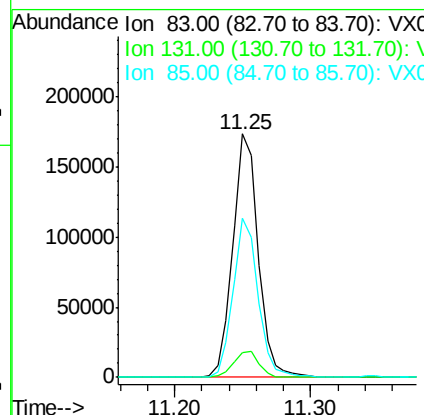
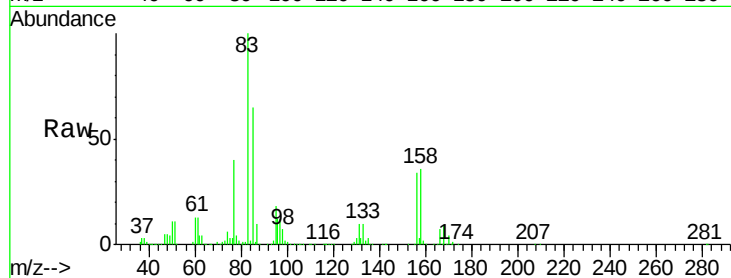
#71
 1,1,2,2-Tetrachloroethane
 Concen: 47.581 ug/l
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	225110		
131	11.1	5.5	16.5	
85	64.8	31.5	94.5	

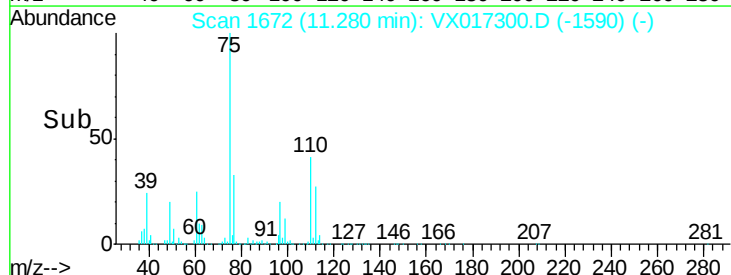
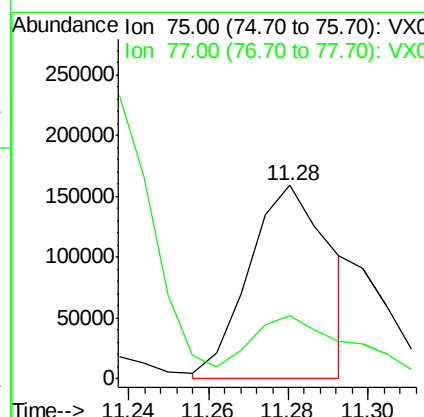
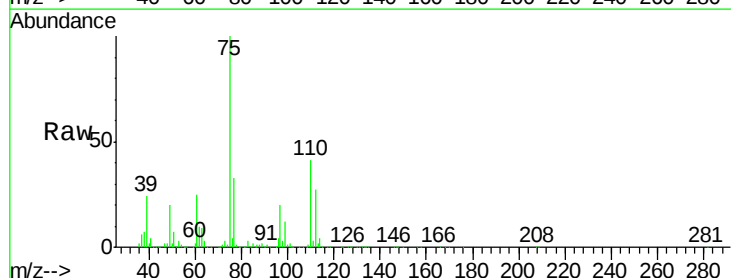
Manual Integrations
 APPROVED

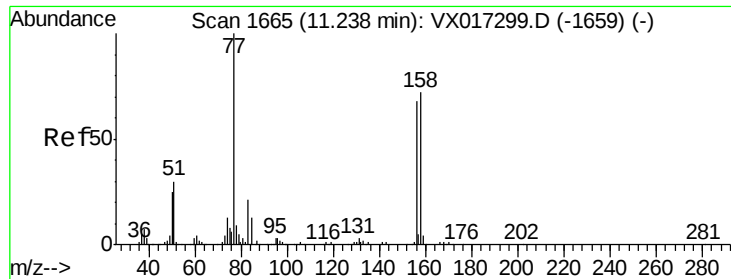
MMDadoda
 7/10/2020 12:36:35 PM



#72
 1,2,3-Trichloropropane
 Concen: 49.130 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	223433		
77	41.0	0.0	72.2	





#73

Bromobenzene

Concen: 50.258 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

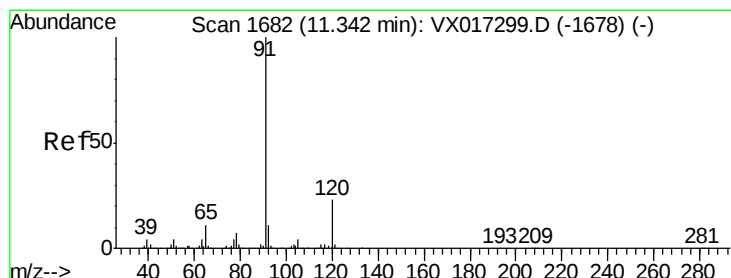
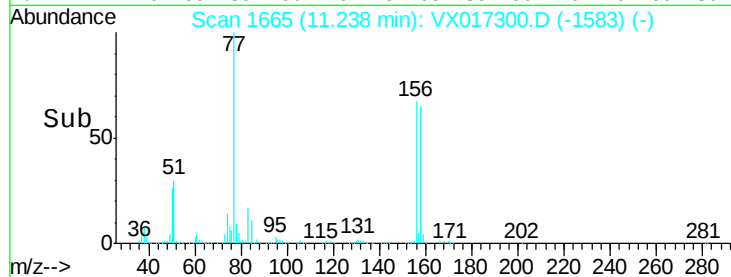
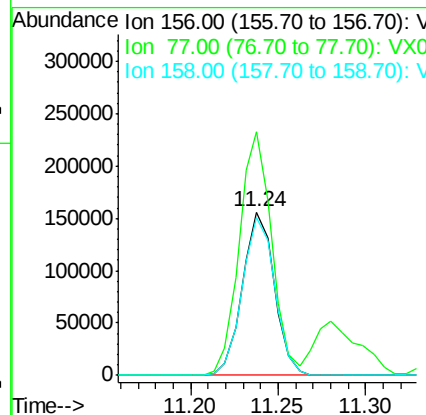
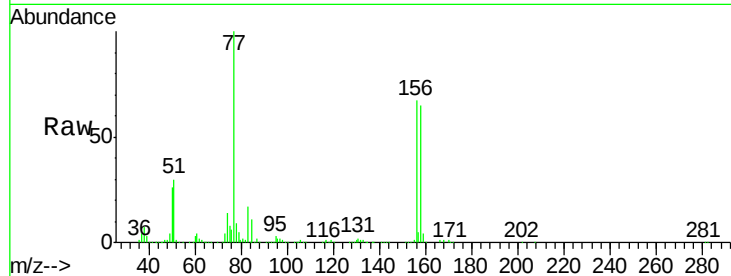
ClientSampleId :

VSTDIC050

Tot Ion:	156	Resp:	197453
Ion Ratio	Lower	Upper	
156	100		
77	151.2	0.0	299.2
158	98.8	0.0	199.0

Manual Integrations
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#74

n-propylbenzene

Concen: 47.048 ug/l

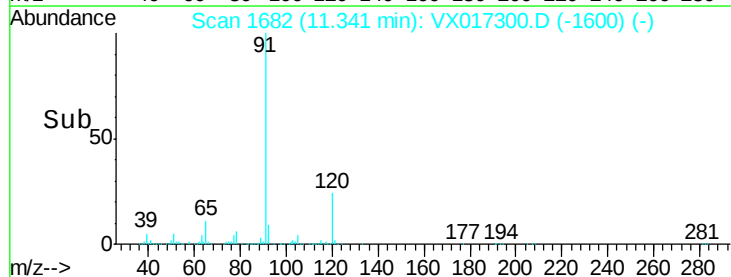
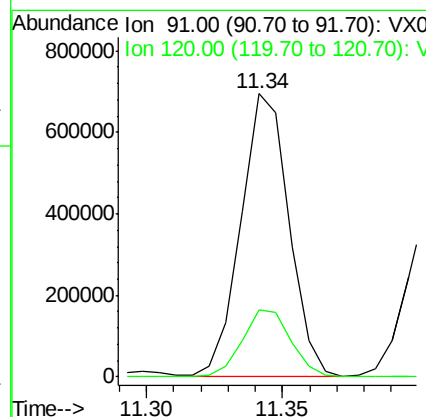
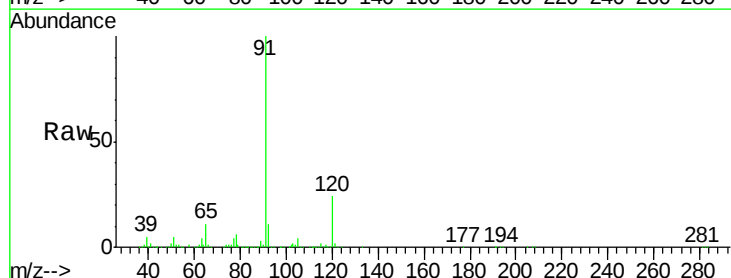
RT: 11.34 min Scan# 1682

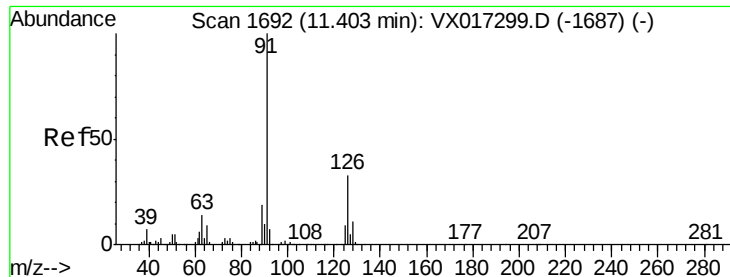
Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Tgt Ion:	91	Resp:	852072
Ion Ratio	Lower	Upper	
91	100		
120	23.9	0.0	48.4





#75

2-Chlorotoluene

Concen: 47.769 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 510627

Ion Ratio Lower Upper

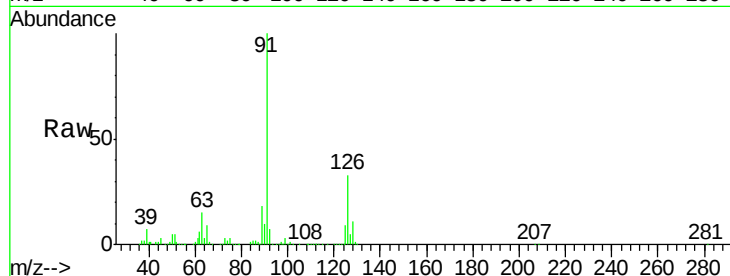
91 100

126 34.5 0.0 68.4

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

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

800000

600000

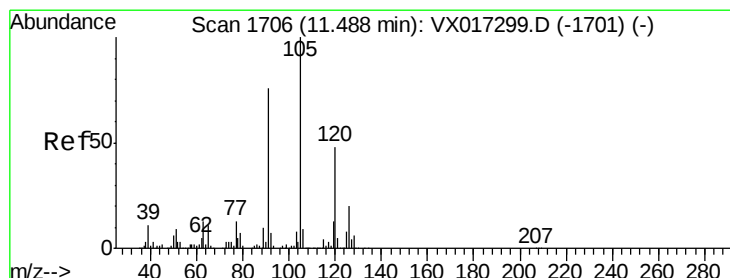
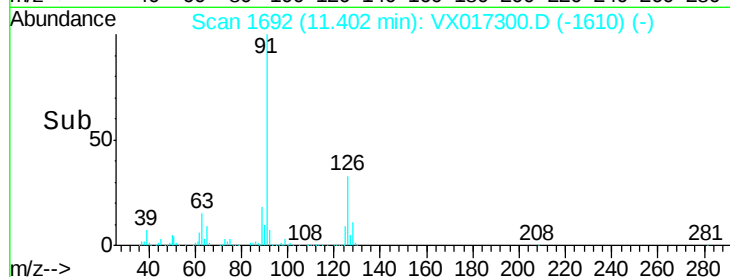
400000

200000

0

11.35 11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 48.728 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX017300.D

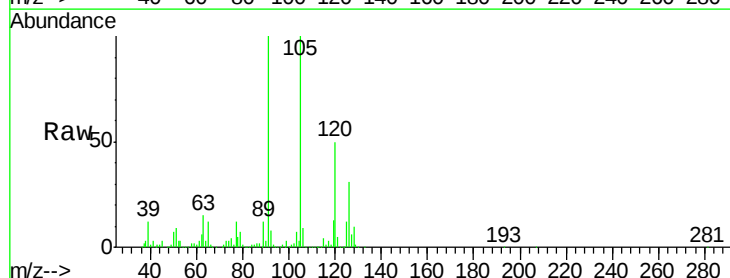
Acq: 09 Jul 2020 11:15

Tgt Ion: 105 Resp: 630171

Ion Ratio Lower Upper

105 100

120 49.3 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) (-)

600000

500000

400000

300000

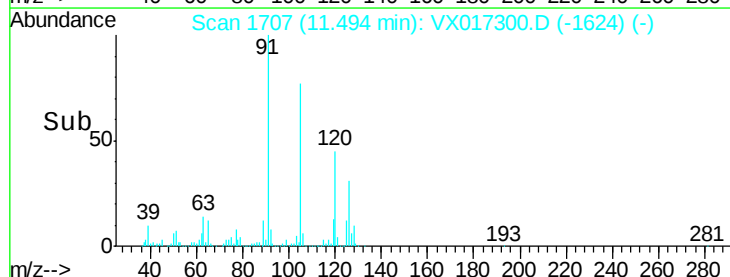
200000

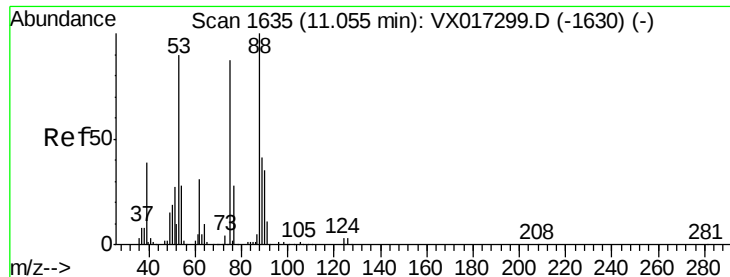
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0

11.45 11.50 11.55

Time-->





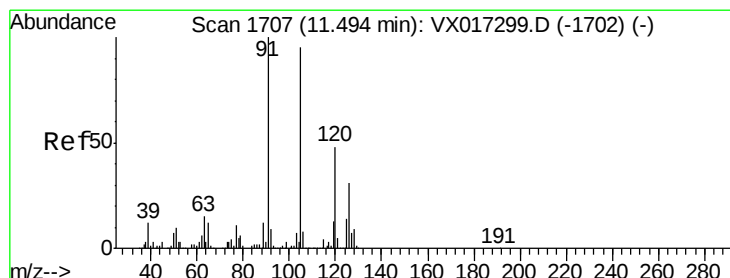
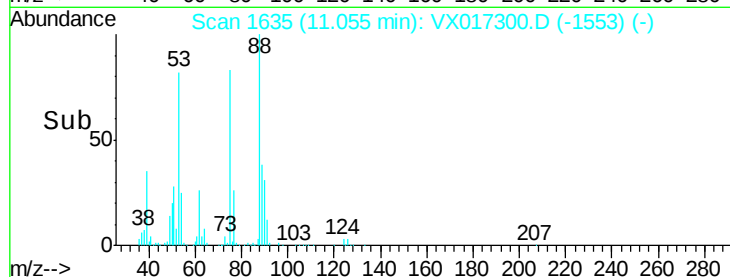
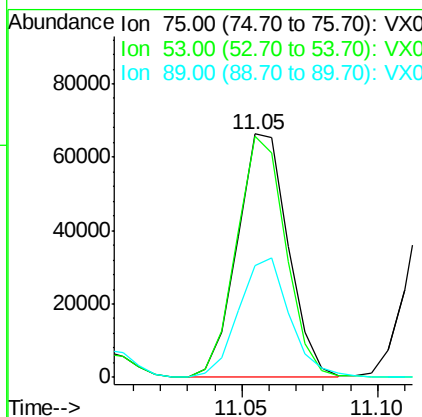
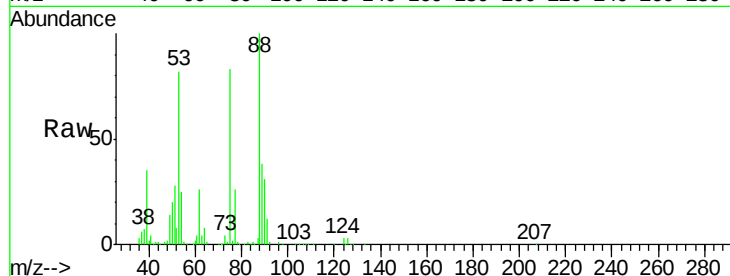
#77
t-1,4-Dichloro-2-butene
Concen: 46.969 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.4	52.1	156.3
89	45.8	23.7	71.1

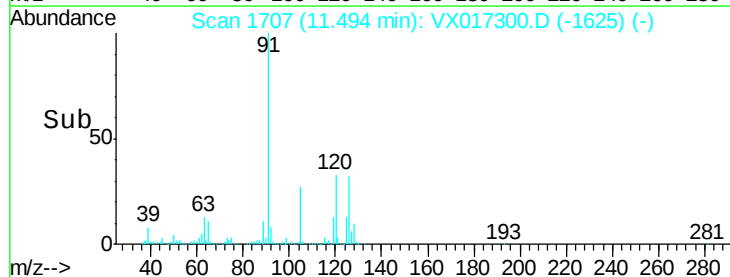
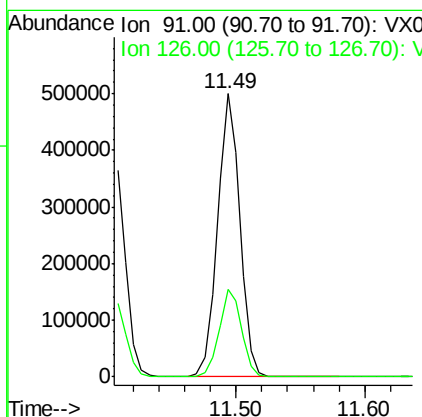
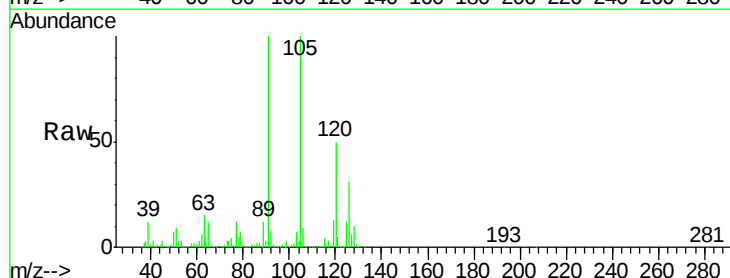
Manual Integrations
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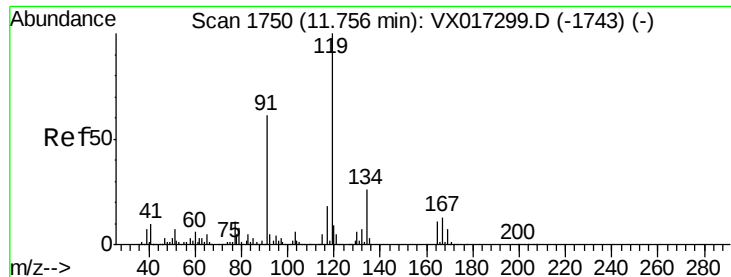
MMDadoda
7/10/2020 12:36:35 PM



#78
4-Chlorotoluene
Concen: 48.227 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	0.0	61.2





#79

tert-butylbenzene

Concen: 50.269 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

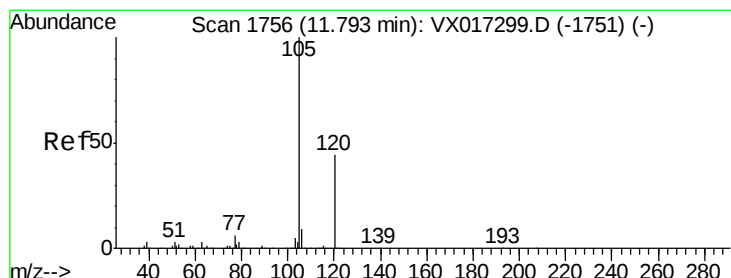
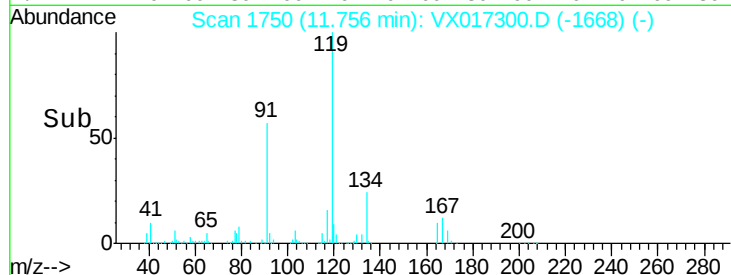
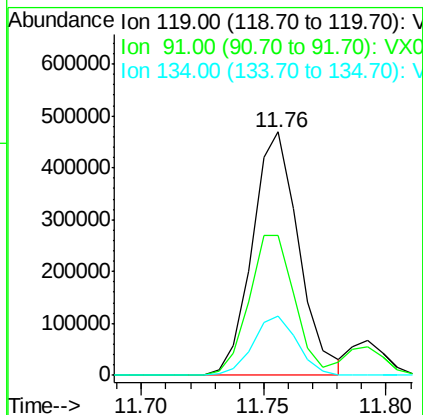
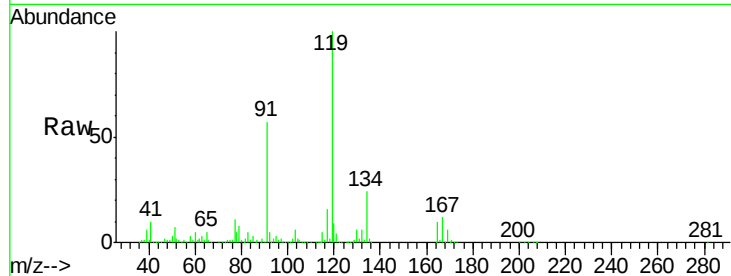
ClientSampleId :

VSTDIC050

Tot Ion:	119	Resp:	621663
Ion Ratio	Lower	Upper	
119	100		
91	56.2	0.0	113.6
134	23.3	0.0	48.0

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 49.609 ug/l

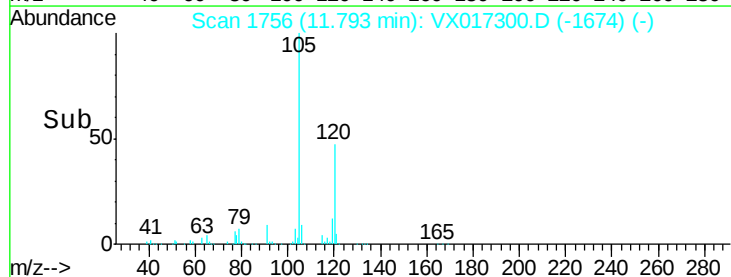
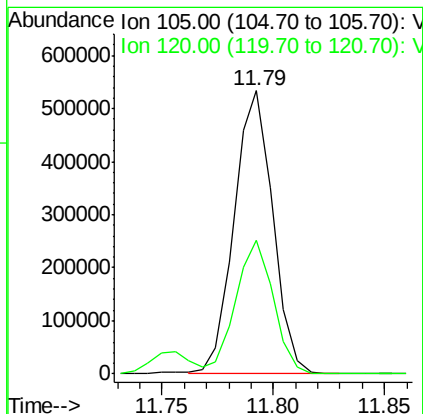
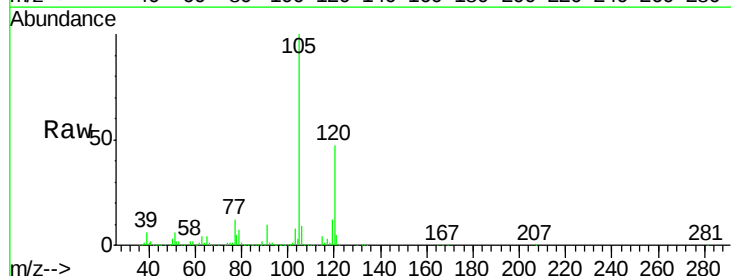
RT: 11.79 min Scan# 1756

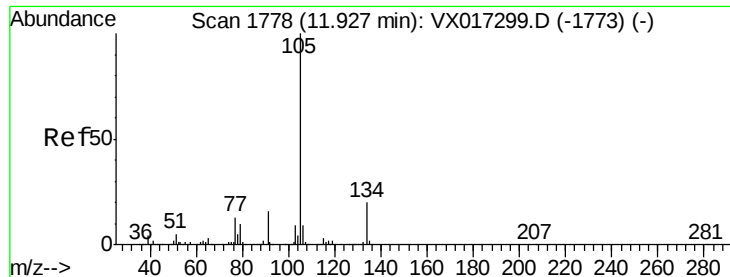
Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Tgt Ion:	105	Resp:	643673
Ion Ratio	Lower	Upper	
105	100		
120	45.9	0.0	93.6





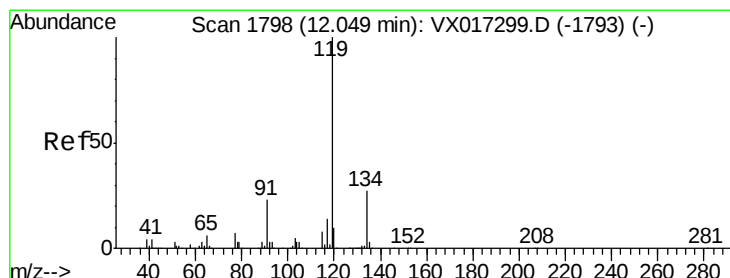
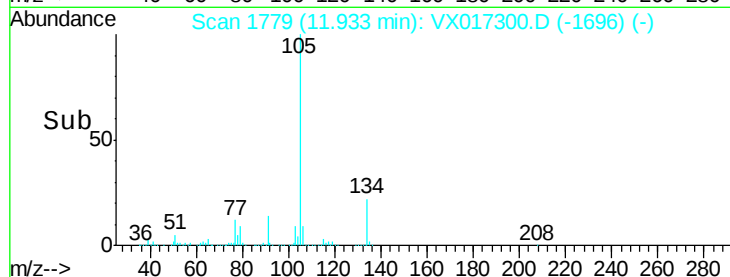
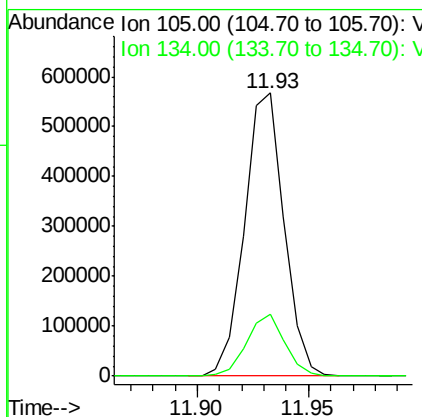
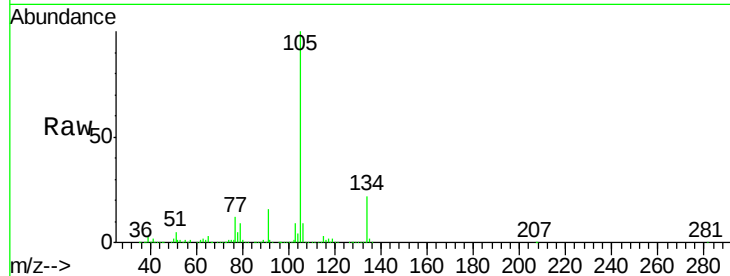
#81
 sec-Butylbenzene
 Concen: 47.259 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	703559		
134	21.1	0.0	41.8	

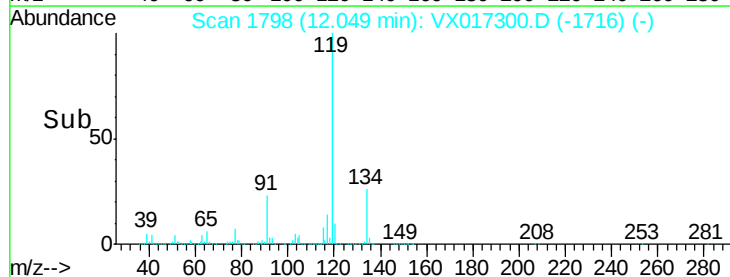
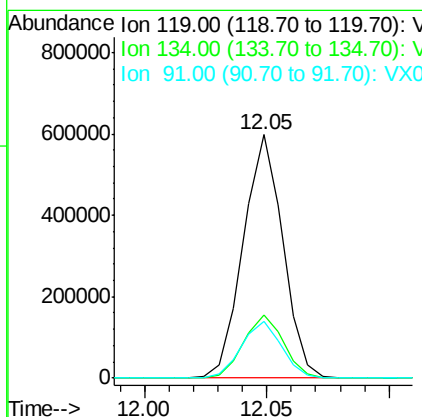
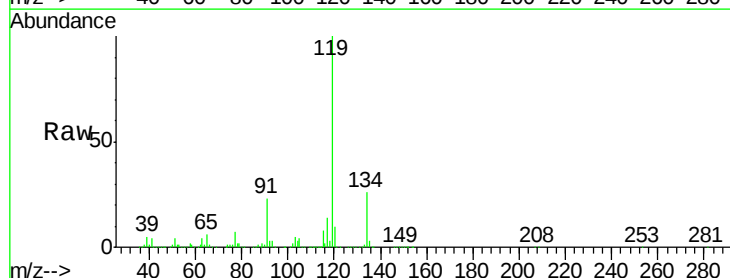
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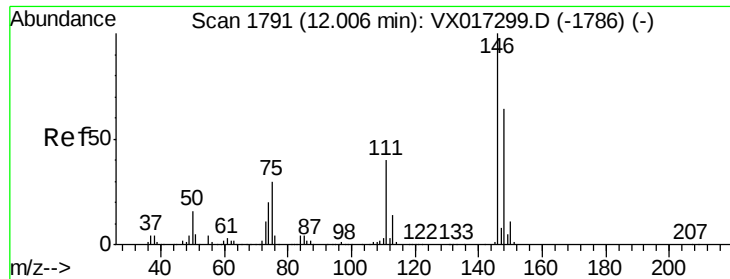
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#82
 p-Isopropyltoluene
 Concen: 49.834 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	674823		
134	26.2	0.0	53.6	
91	23.6	0.0	48.0	





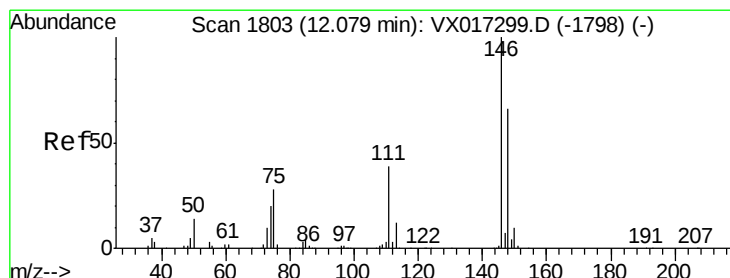
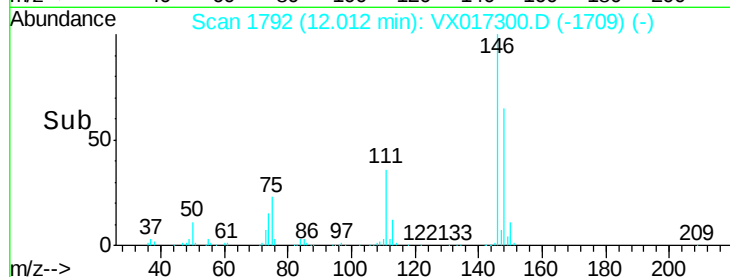
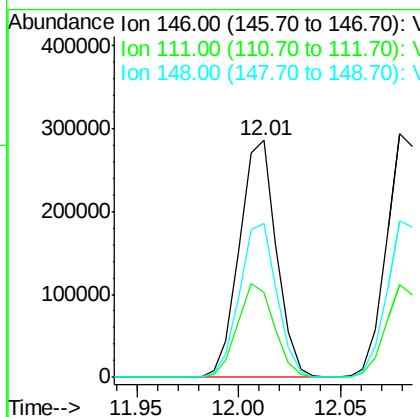
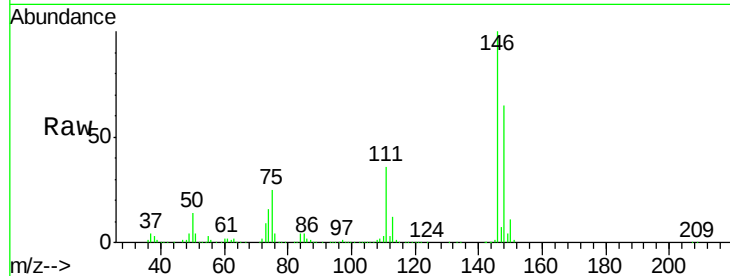
#83
 1,3-Dichlorobenzene
 Concen: 50.994 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.5	58.5
148	65.2	31.8	95.3

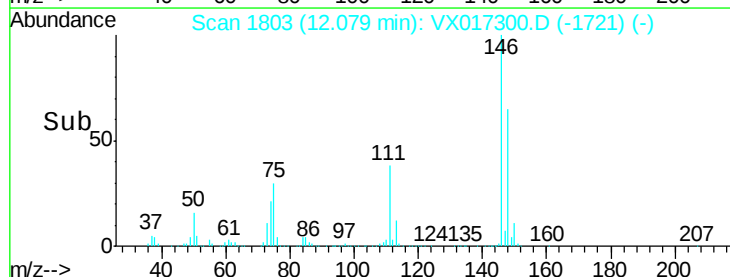
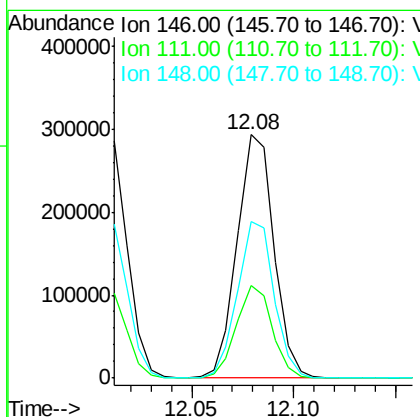
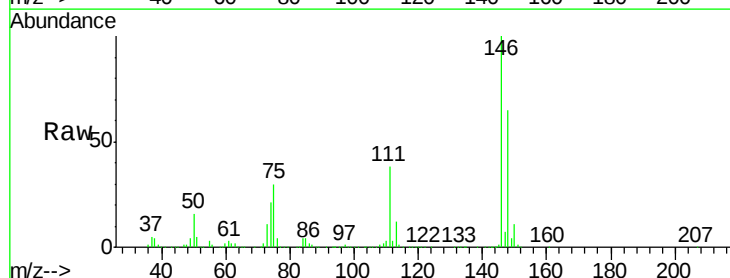
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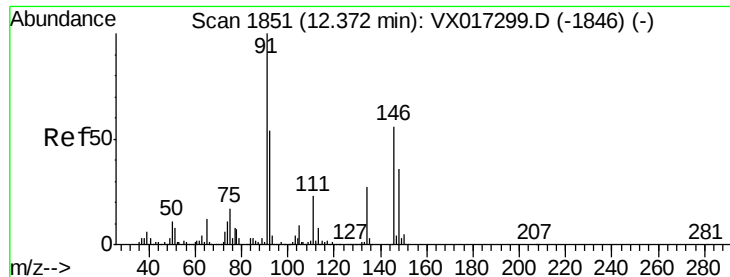
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 51.952 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.3
148	64.2	32.6	97.8





#85

n-Butylbenzene

Concen: 46.332 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

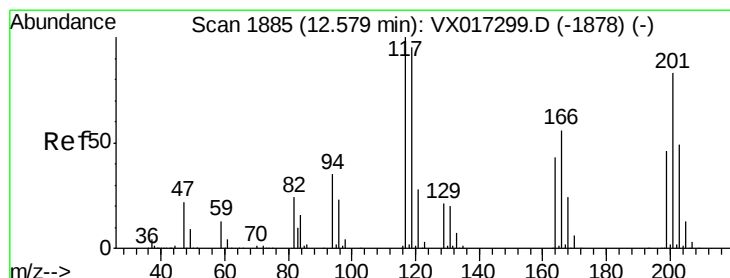
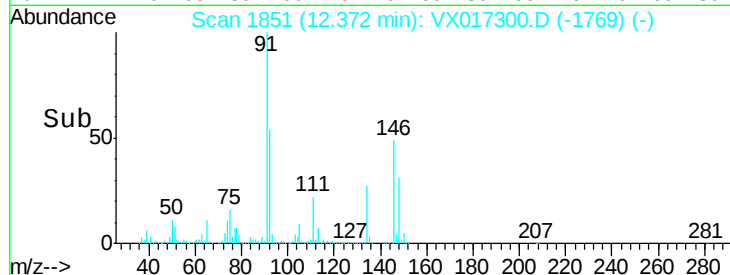
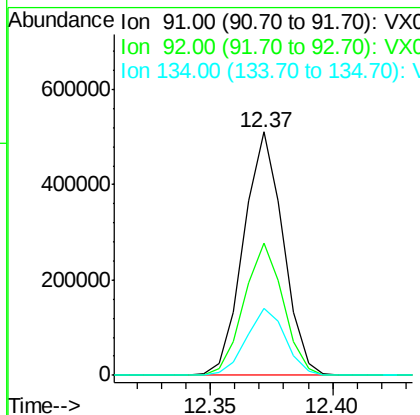
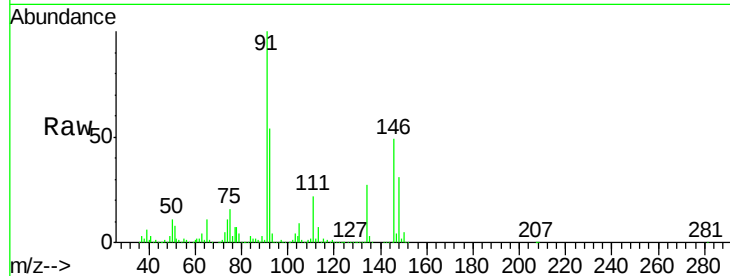
ClientSampleId :

VSTDIC050

Tot Ion:	91	Resp:	572395
Ion	Ratio	Lower	Upper
91	100		
92	53.9	0.0	108.2
134	27.5	0.0	54.2

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#86

Hexachloroethane

Concen: 48.925 ug/l

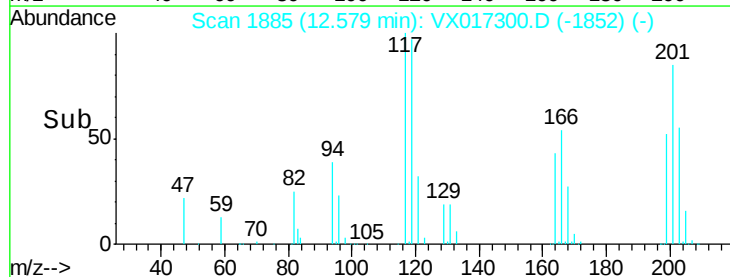
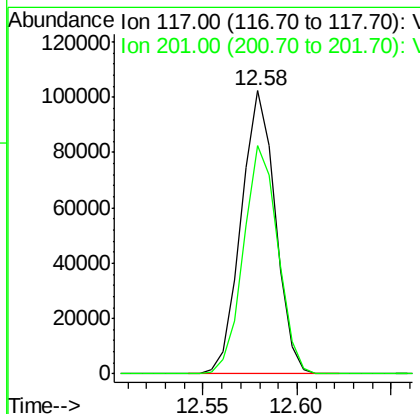
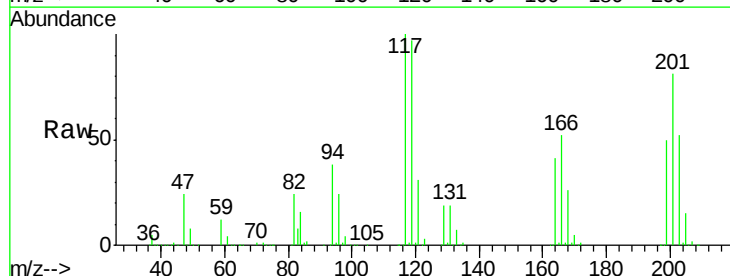
RT: 12.58 min Scan# 1885

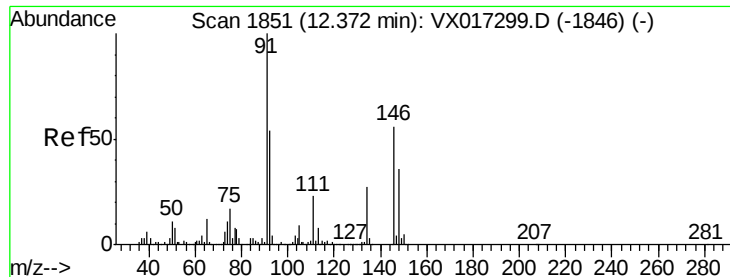
Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Tgt Ion:	117	Resp:	128869
Ion	Ratio	Lower	Upper
117	100		
201	81.2	41.0	123.0





#87

1,2-Dichlorobenzene

Concen: 52.293 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Instrument :

MSVOA_X

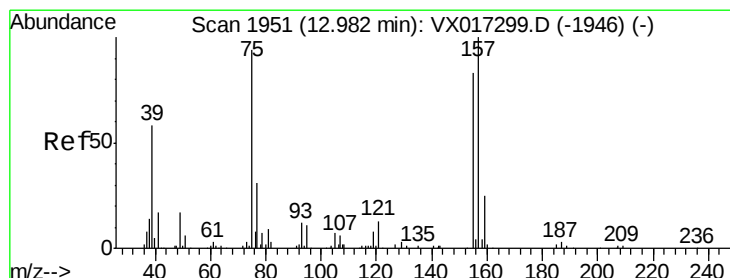
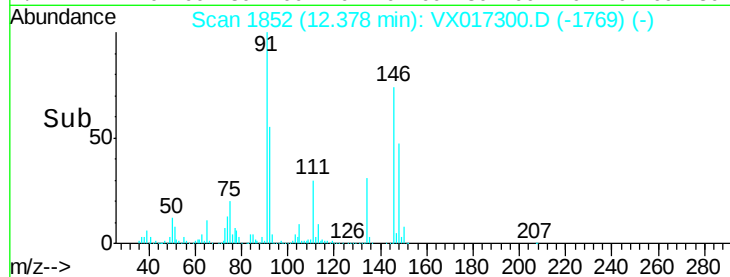
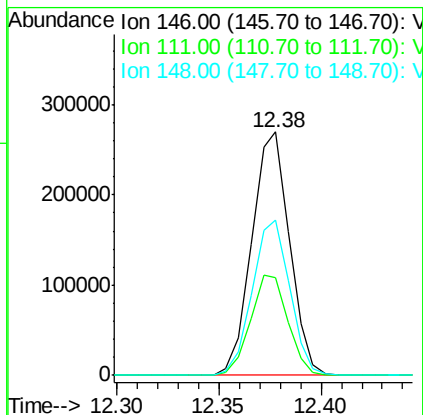
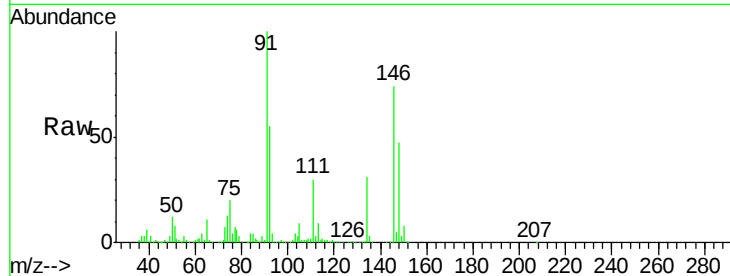
ClientSampleId :

VSTDIC050

Tot Ion:	146	Resp:	346309
Ion Ratio	Lower	Upper	
146	100		
111	41.0	20.6	61.9
148	63.7	31.6	94.8

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#88

1,2-Dibromo-3-Chloropropane

Concen: 50.602 ug/l

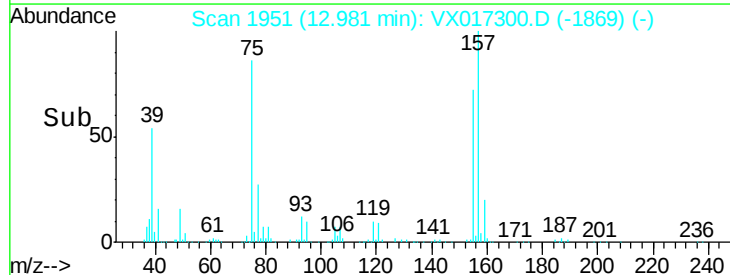
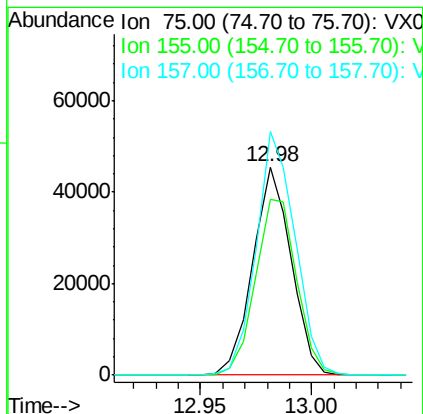
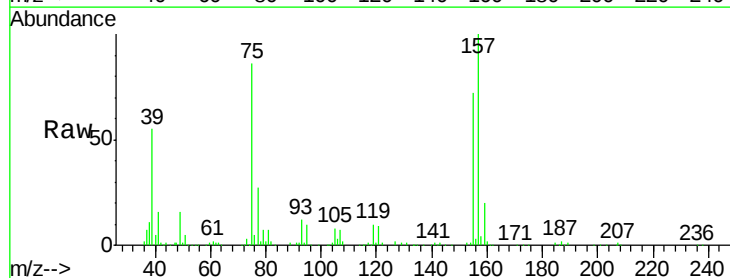
RT: 12.98 min Scan# 1951

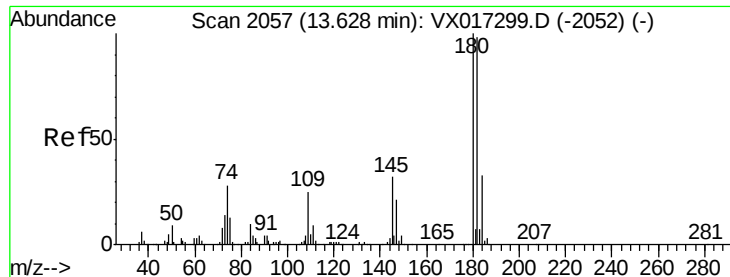
Delta R.T. -0.00 min

Lab File: VX017300.D

Acq: 09 Jul 2020 11:15

Tgt Ion:	75	Resp:	54815
Ion Ratio	Lower	Upper	
75	100		
155	90.5	73.4	110.0
157	117.9	90.5	135.7





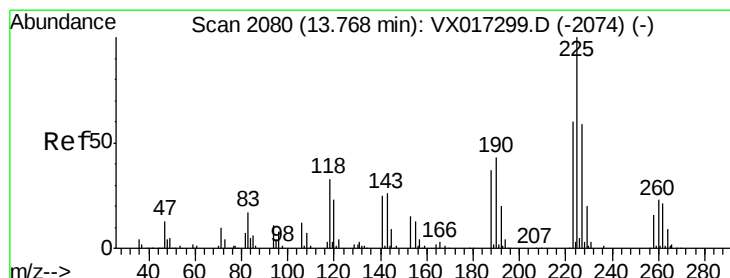
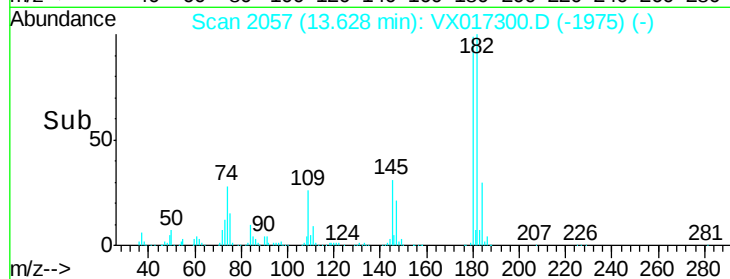
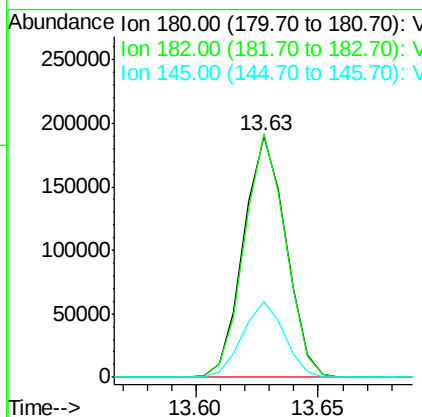
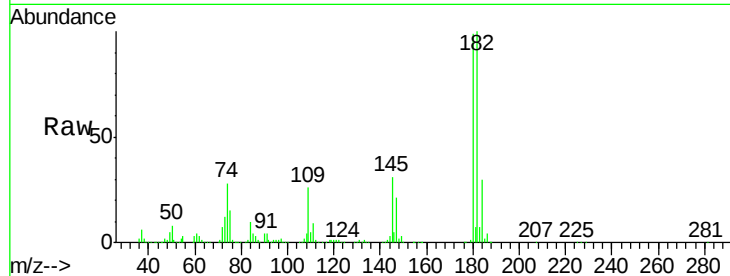
#89
 1,2,4-Trichlorobenzene
 Concen: 51.372 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.8	116.8
145	31.2	25.0	37.4

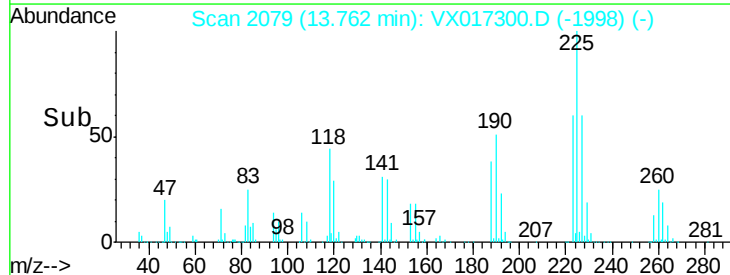
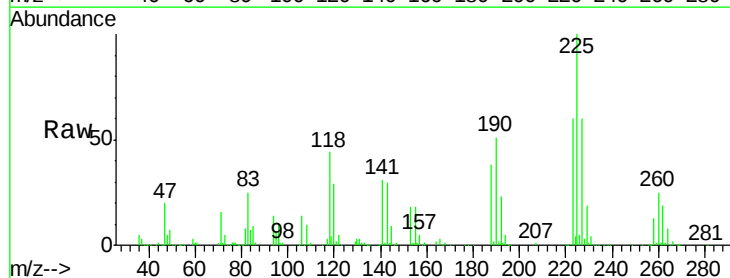
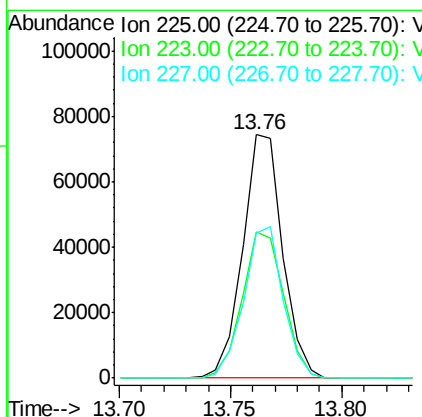
Manual Integrations
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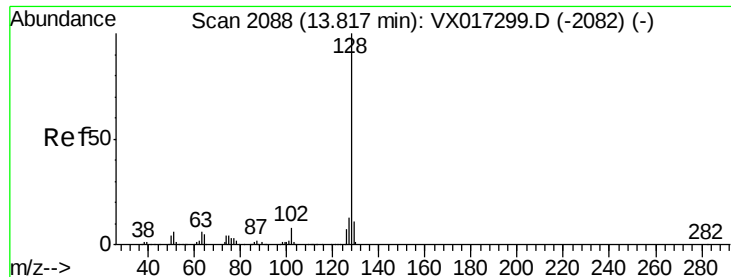
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#90
 Hexachlorobutadiene
 Concen: 53.884 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017300.D
 Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	0.0	129.0
227	60.9	0.0	124.4





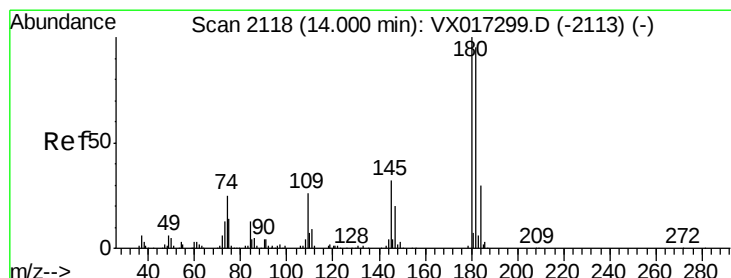
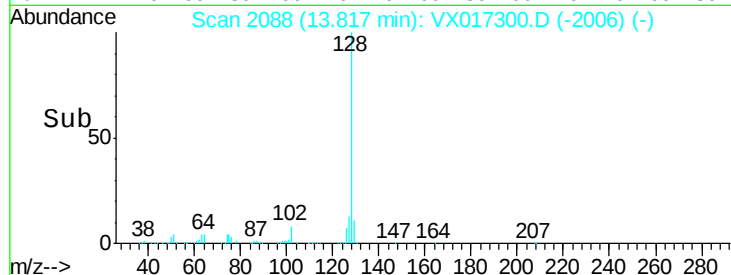
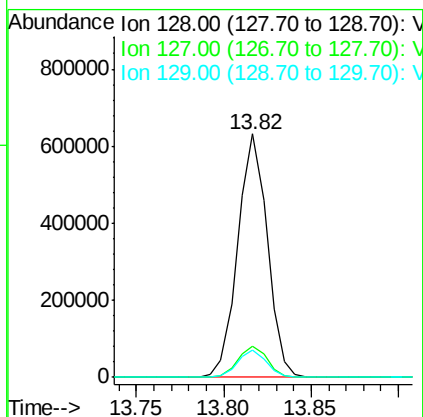
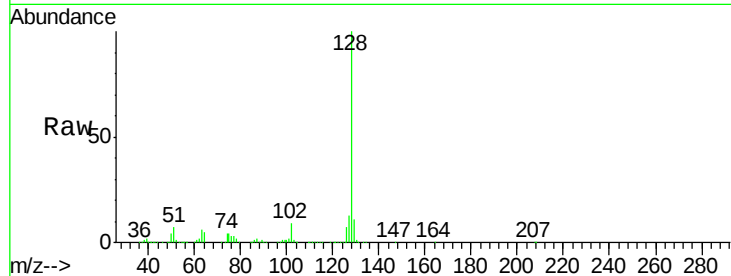
#91
Naphthalene
Concen: 51.540 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	9.0	13.4

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 53.165 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX017300.D
Acq: 09 Jul 2020 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	0.0	185.6
145	31.9	0.0	63.0

