

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016596.D
 Acq On : 04 Jun 2020 20:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/5/2020 10:12:33 AM

Quant Time: Jun 05 07:53:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	237747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	368952	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	348493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	177249	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	141679	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	5.47	113	112584	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
50) Toluene-d8	8.70	98	439896	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.12	95	170552	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	108808	46.505	ug/l	97
3) Chloromethane	1.31	50	124592	44.066	ug/l	98
4) Vinyl Chloride	1.39	62	152958	51.155	ug/l	99
5) Bromomethane	1.62	94	70878	48.752	ug/l	98
6) Chloroethane	1.70	64	85051	48.762	ug/l	97
7) Trichlorofluoromethane	1.91	101	202060	51.456	ug/l	99
8) Diethyl Ether	2.17	74	78821	48.138	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.36	101	105675	48.896	ug/l	98
10) Methyl Iodide	2.49	142	106491	41.778	ug/l	99
11) Tert butyl alcohol	3.01	59	168728	222.856	ug/l	99
12) 1,1-Dichloroethene	2.36	96	110368	48.245	ug/l	98
13) Acrolein	2.27	56	85134	264.336	ug/l	97
14) Allyl chloride	2.70	41	185654	44.129	ug/l	97
15) Acrylonitrile	3.12	53	360501	232.446	ug/l	99
16) Acetone	2.42	43	296573	229.268	ug/l	98
17) Carbon Disulfide	2.55	76	302314	44.501	ug/l	99
18) Methyl Acetate	2.75	43	158768	47.854	ug/l	95
19) Methyl tert-butyl Ether	3.17	73	402868	49.043	ug/l	98
20) Methylene Chloride	2.83	84	125219	46.788	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	122044	48.231	ug/l	94
22) Diisopropyl ether	3.82	45	367525	45.475	ug/l	98
23) Vinyl Acetate	3.78	43	1625921	229.839	ug/l	97
24) 1,1-Dichloroethane	3.67	63	219559	48.132	ug/l	100
25) 2-Butanone	4.64	43	492708	224.787	ug/l	96
26) 2,2-Dichloropropane	4.55	77	177301	47.500	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	190517	65.082	ug/l	96
28) Bromochloromethane	4.98	49	90218	42.560	ug/l	88
29) Tetrahydrofuran	5.09	42	318477	224.903	ug/l	94
30) Chloroform	5.18	83	228482	49.710	ug/l	98
31) Cyclohexane	5.55	56	178207	43.425	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	209780	50.413	ug/l	99
36) 1,1-Dichloropropene	5.77	75	166800	47.749	ug/l	98
37) Ethyl Acetate	4.79	43	186633	44.500	ug/l	97
38) Carbon Tetrachloride	5.76	117	190954	52.016	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	180840	47.661	ug/l	98
40) Benzene	6.12	78	503664	48.416	ug/l	98
41) Methacrylonitrile	5.00	41	101389	44.012	ug/l	96
42) 1,2-Dichloroethane	6.16	62	180492	48.788	ug/l	100
43) Isopropyl Acetate	6.41	43	297254	45.439	ug/l	98
44) Trichloroethene	7.19	130	156095	47.293	ug/l	97
45) 1,2-Dichloropropane	7.49	63	126183	47.646	ug/l	99
46) Dibromomethane	7.64	93	87495	49.188	ug/l	96
47) Bromodichloromethane	7.88	83	187575	50.928	ug/l	99
48) Methyl methacrylate	7.74	41	142923	45.630	ug/l	95
49) 1,4-Dioxane	7.71	88	66614	908.758	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	948443	232.841	ug/l	97
52) Toluene	8.77	92	325111	49.560	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	211911	50.598	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	218507	49.291	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	131167	50.290	ug/l	98
56) Ethyl methacrylate	9.16	69	212687	50.069	ug/l	96
57) 1,3-Dichloropropane	9.35	76	220703	49.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	550876	248.455	ug/l	97
59) 2-Hexanone	9.48	43	734216	231.784	ug/l	97
60) Dibromochloromethane	9.57	129	155449	52.960	ug/l	100
61) 1,2-Dibromoethane	9.65	107	143447	51.359	ug/l	99
64) Tetrachloroethene	9.32	164	171519	43.992	ug/l	99
65) Chlorobenzene	10.12	112	355798	50.078	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	140806	51.918	ug/l	98
67) Ethyl Benzene	10.24	91	623017	49.252	ug/l	99
68) m/p-Xylenes	10.34	106	475580	101.401	ug/l	100
69) o-Xylene	10.68	106	228879	50.390	ug/l	97
70) Styrene	10.70	104	403693	51.707	ug/l	99
71) Bromoform	10.84	173	125249	54.644	ug/l #	99
73) Isopropylbenzene	11.00	105	609568	49.634	ug/l	100
74) N-amyl acetate	10.88	43	254490	45.050	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	165653	53.820	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	188046m	48.266	ug/l	
77) Bromobenzene	11.24	156	161153	50.030	ug/l	96
78) n-propylbenzene	11.34	91	679513	49.524	ug/l	99
79) 2-Chlorotoluene	11.40	91	413261	49.344	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	517618	50.476	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	73990	46.715	ug/l	98
82) 4-Chlorotoluene	11.49	91	492013	49.748	ug/l	100
83) tert-Butylbenzene	11.76	119	456483	52.097	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	524070	50.534	ug/l	100
85) sec-Butylbenzene	11.93	105	555827	50.567	ug/l	100
86) p-Isopropyltoluene	12.05	119	526660	51.150	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	277534	49.732	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	280857	49.208	ug/l	99
89) n-Butylbenzene	12.37	91	432120	50.386	ug/l	99
90) Hexachloroethane	12.58	117	90388	50.823	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	266060	49.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	47009	47.152	ug/l	95

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VSTDCCC050EC

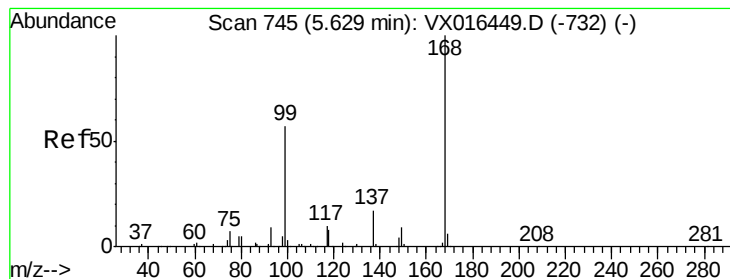
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	191347	53.288	ug/l	99
94) Hexachlorobutadiene	13.76	225	76530	54.283	ug/l	99
95) Naphthalene	13.82	128	633110	51.432	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	182568	51.897	ug/l	98

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



#1

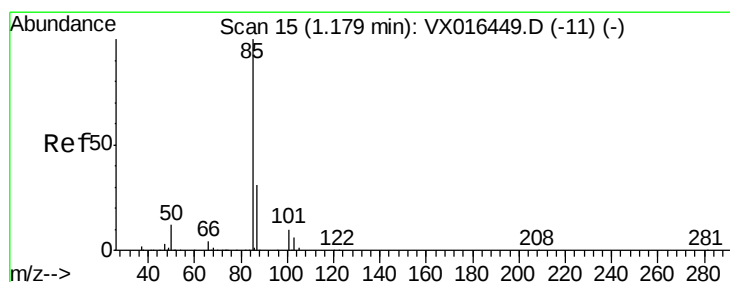
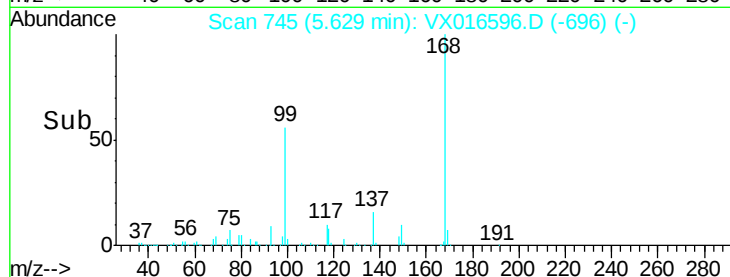
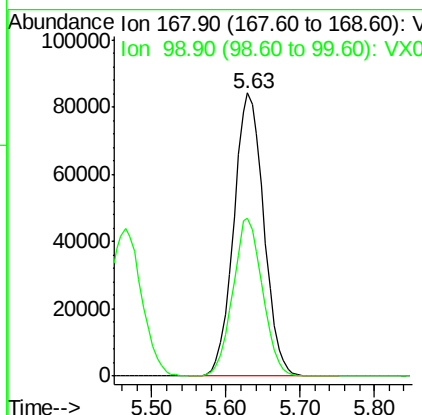
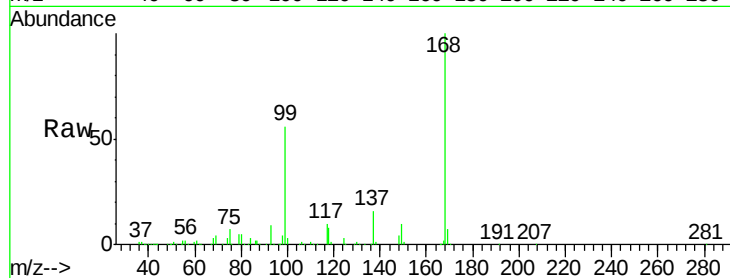
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.9	45.2	67.8

Manual Integrations
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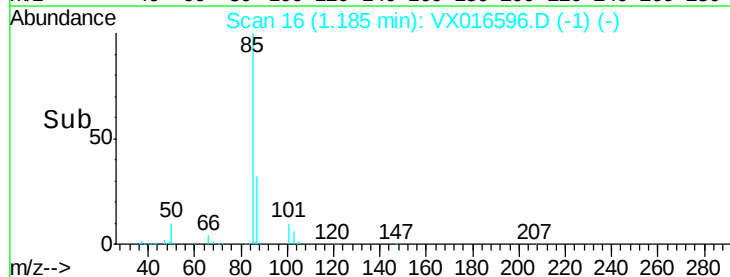
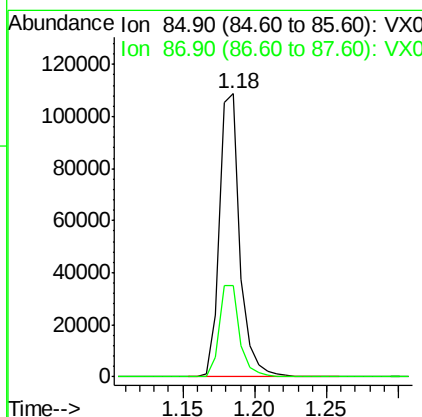
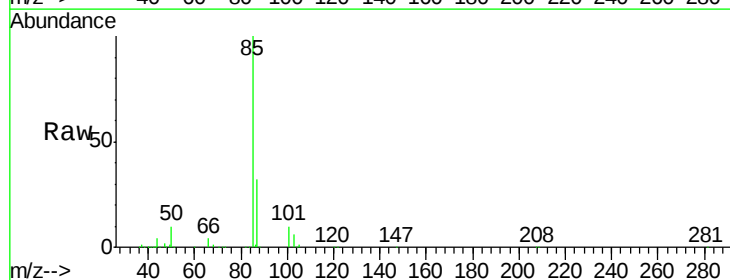
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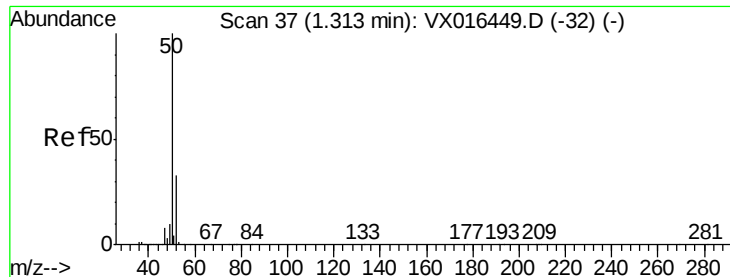


#2

Dichlorodifluoromethane
 Concen: 46.505 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. 0.01 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.4	46.2





#3

Chloromethane

Concen: 44.066 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 124592

Ion Ratio Lower Upper

50 100

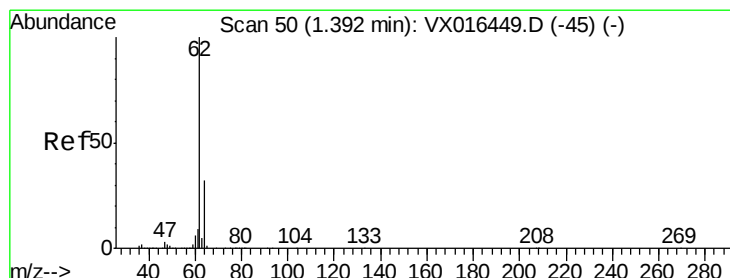
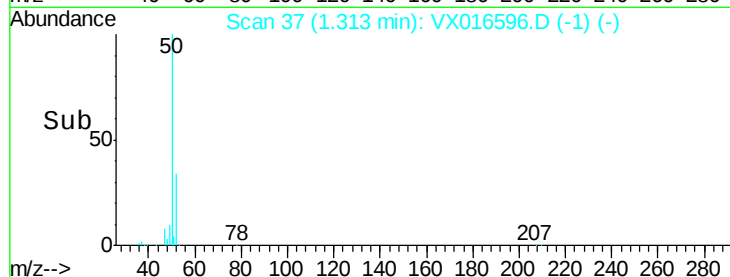
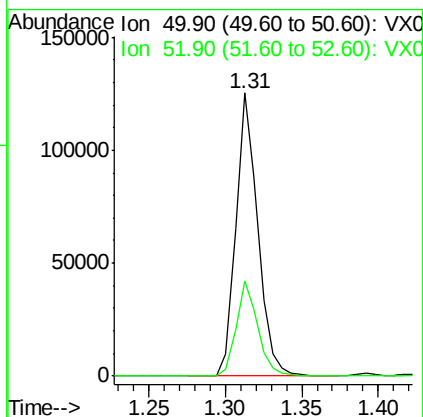
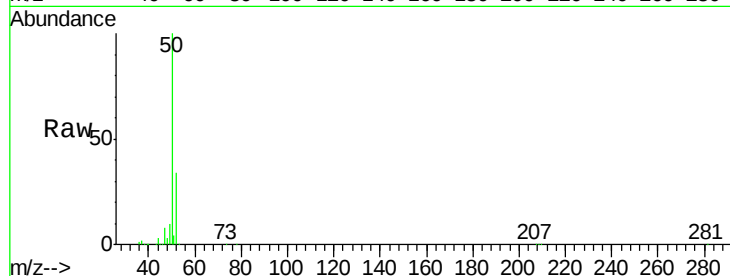
52 33.7 26.2 39.2

Manual Integrations

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6/5/2020 10:12:33 AM



#4

Vinyl Chloride

Concen: 51.155 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016596.D

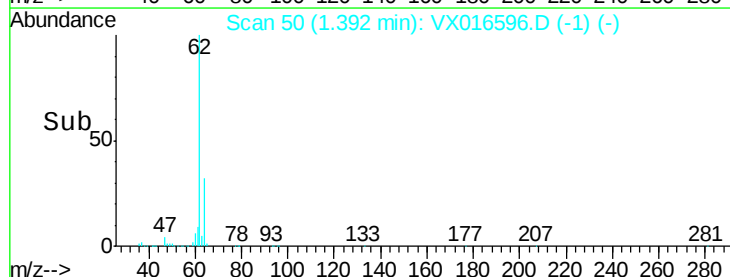
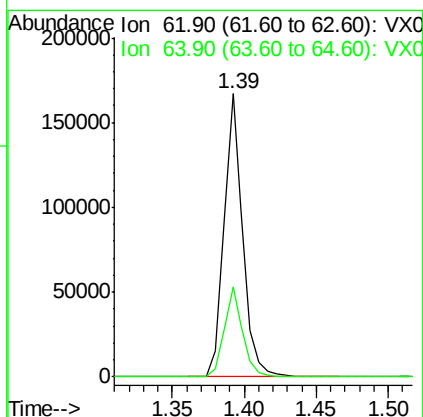
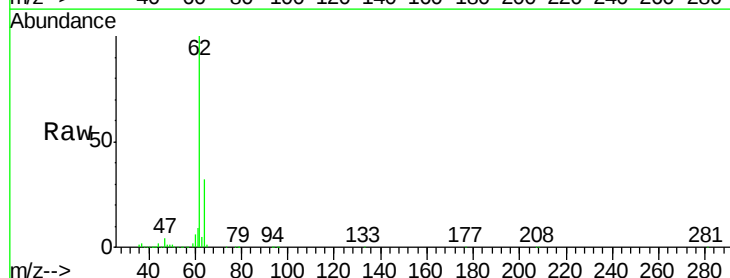
Acq: 04 Jun 2020 20:54

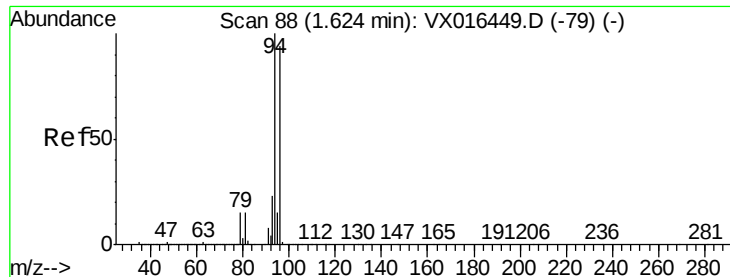
Tgt Ion: 62 Resp: 152958

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9





#5

Bromomethane

Concen: 48.752 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 70878

Ion Ratio Lower Upper

94 100

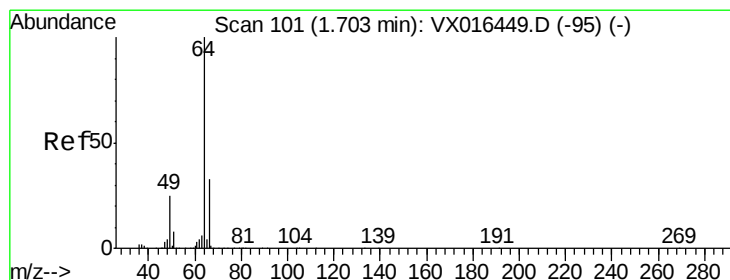
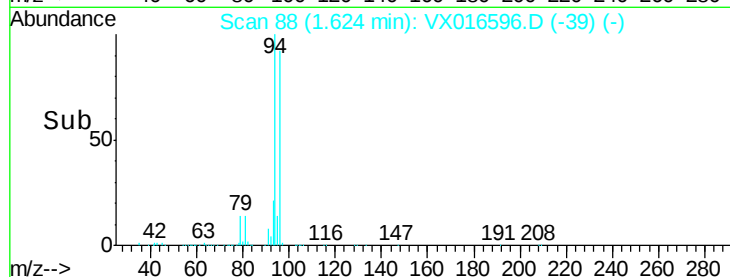
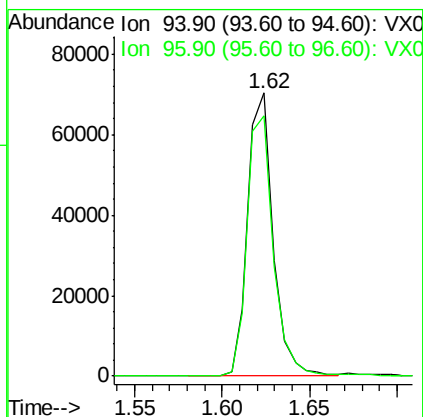
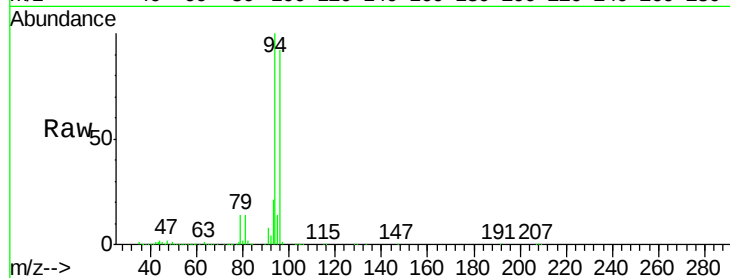
96 91.8 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 48.762 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016596.D

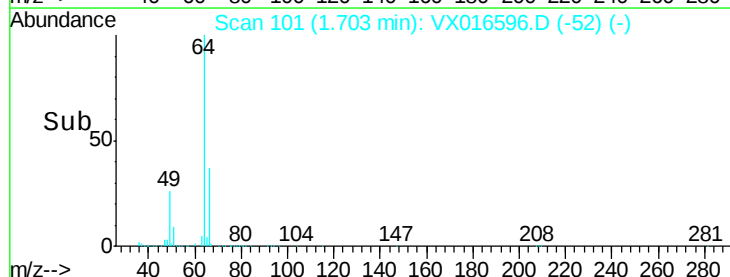
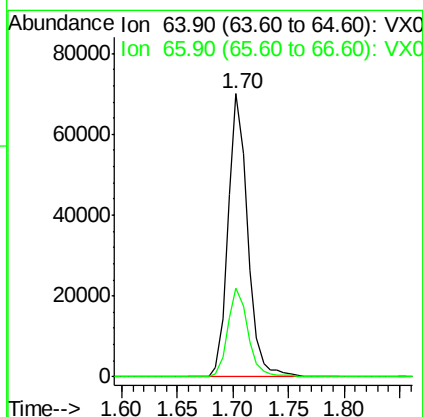
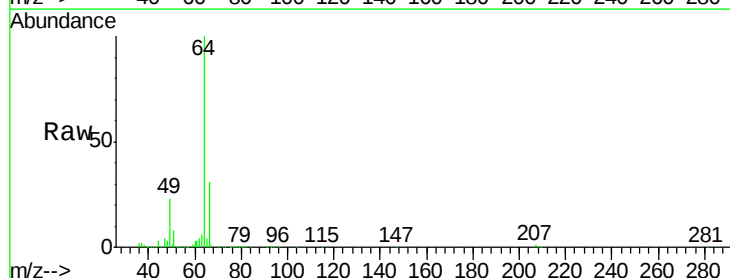
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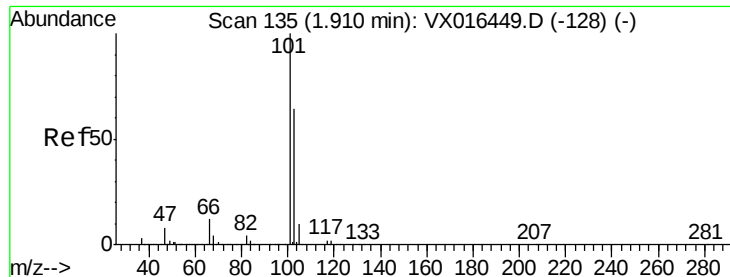
Tgt Ion: 64 Resp: 85051

Ion Ratio Lower Upper

64 100

66 31.4 26.7 40.1





#7

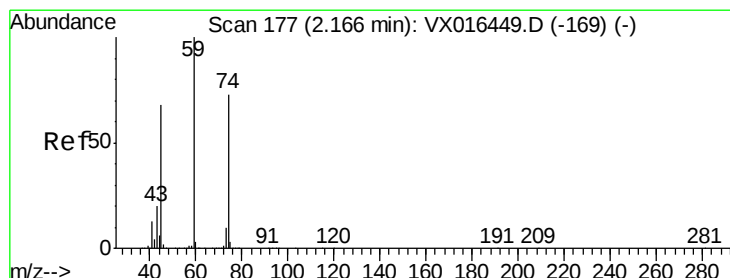
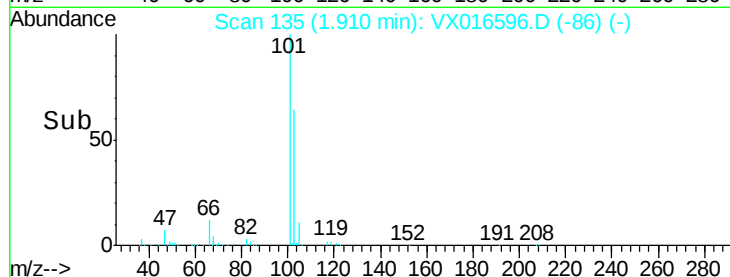
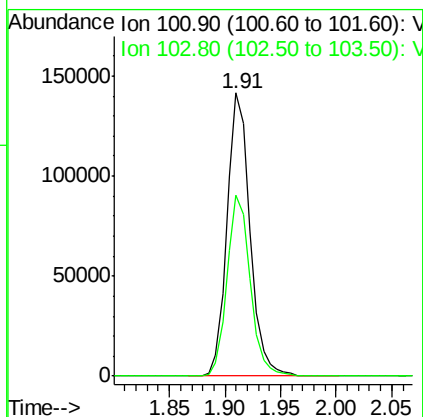
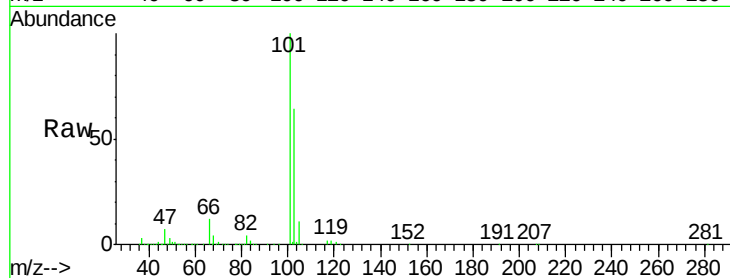
Trichlorofluoromethane
Concen: 51.456 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.9	76.3

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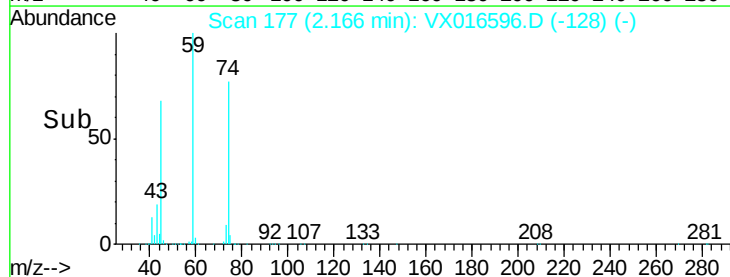
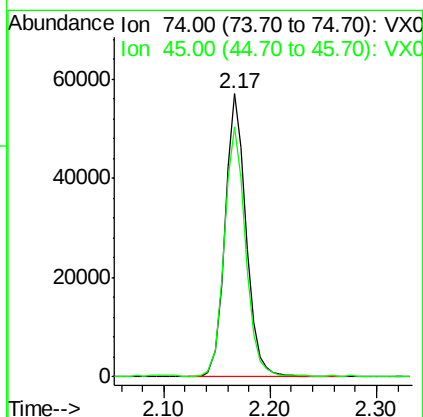
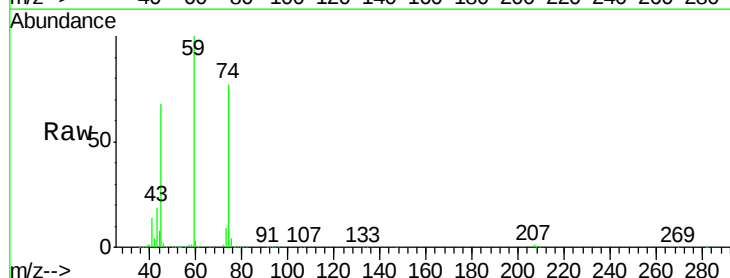
MMDadoda
6/5/2020 10:12:33 AM

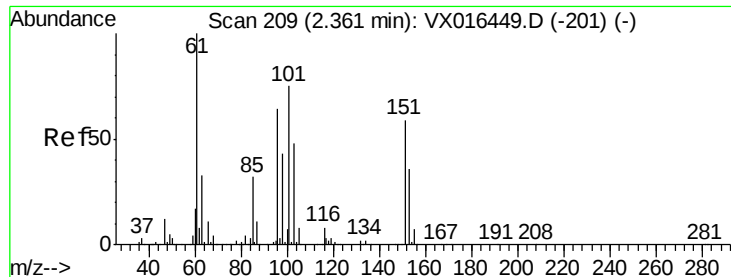


#8

Diethyl Ether
Concen: 48.138 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.4	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.896 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

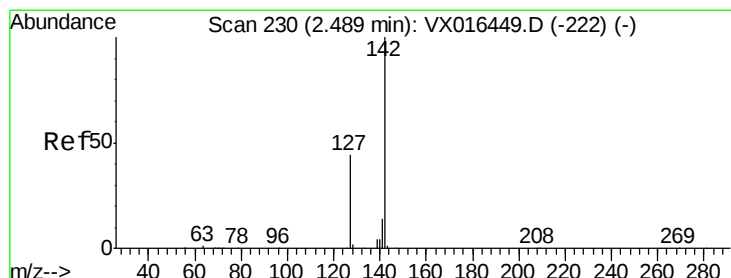
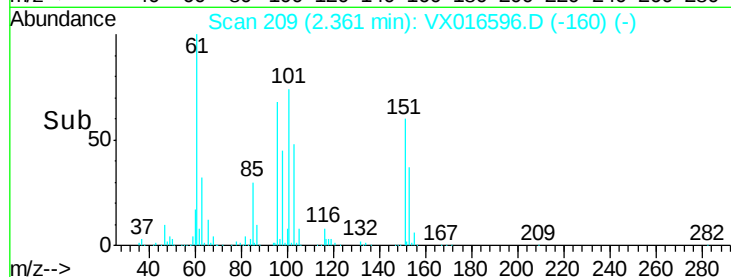
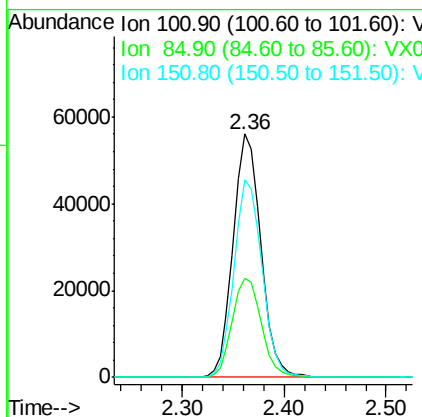
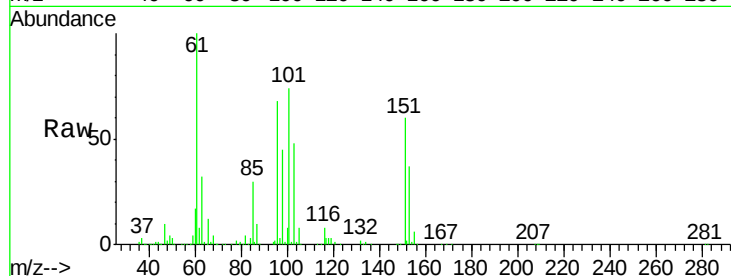
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	105675
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.4	51.6
151	82.1	63.8	95.6

Manual Integrations
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#10

Methyl Iodide

Concen: 41.778 ug/l

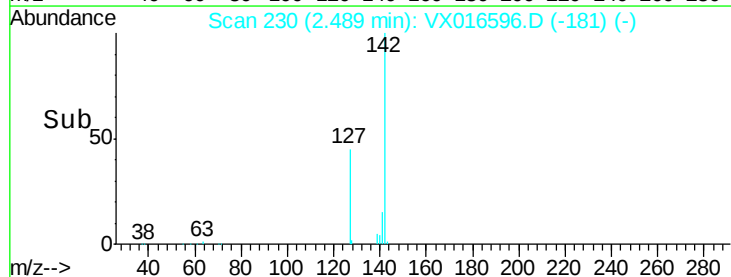
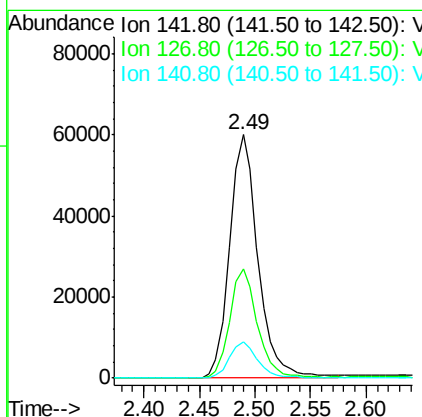
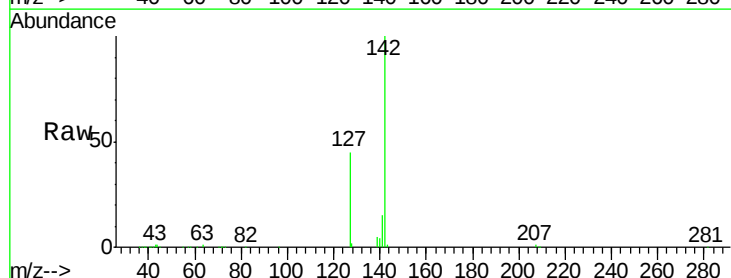
RT: 2.49 min Scan# 230

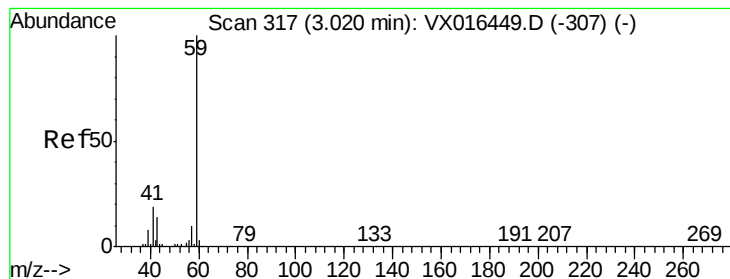
Delta R.T. 0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Tgt Ion:	142	Resp:	106491
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.3	52.9
141	14.7	11.4	17.2





#11

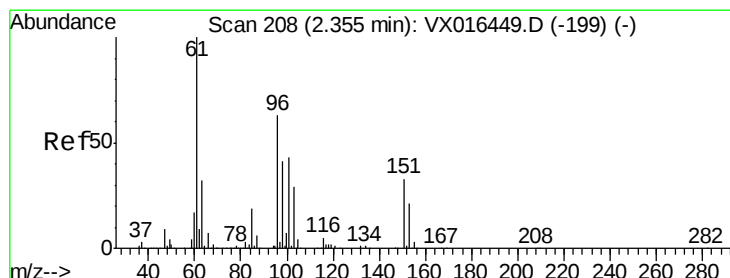
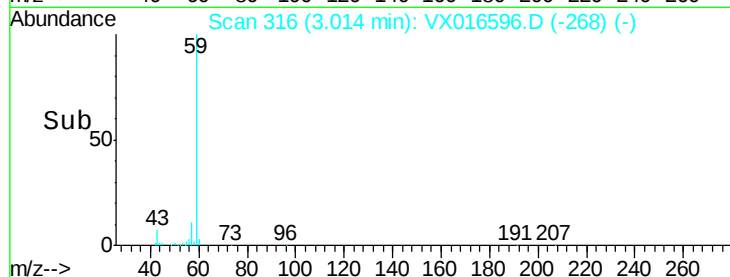
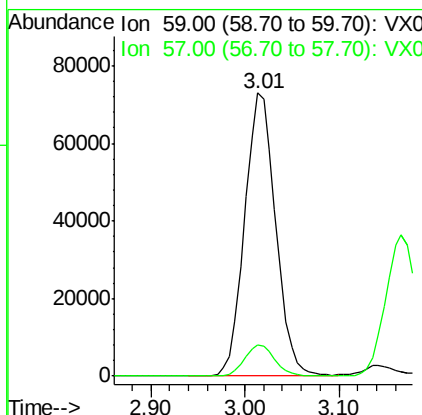
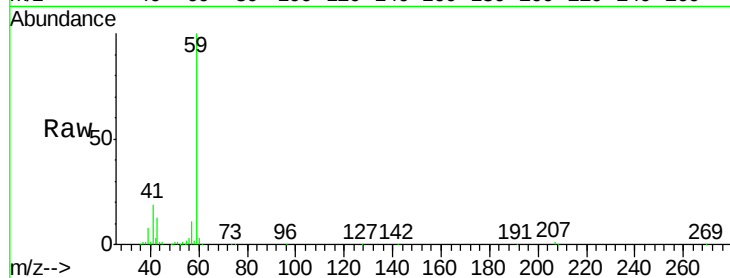
Tert butyl alcohol
Concen: 222.856 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	168728
Ion Ratio	59	100	
Lower	57	10.7	8.2
Upper			12.4

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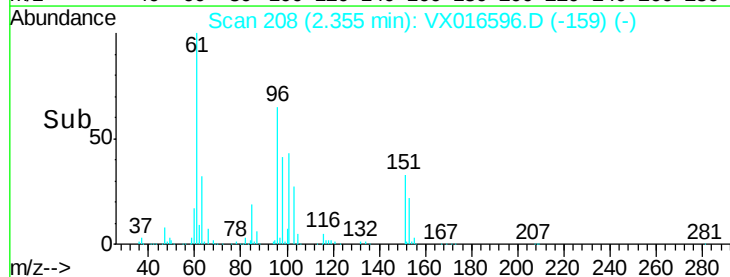
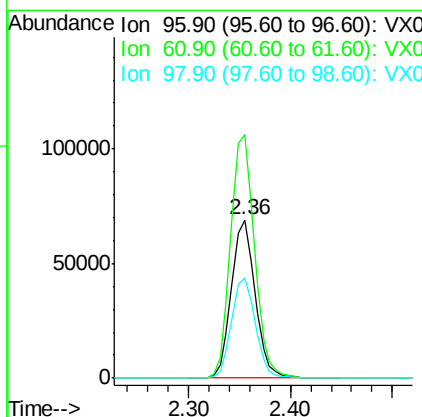
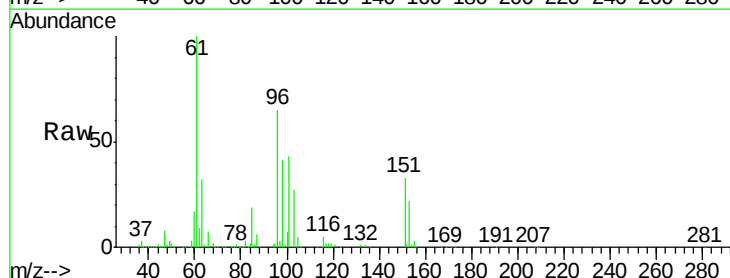
MMDadoda
6/5/2020 10:12:33 AM

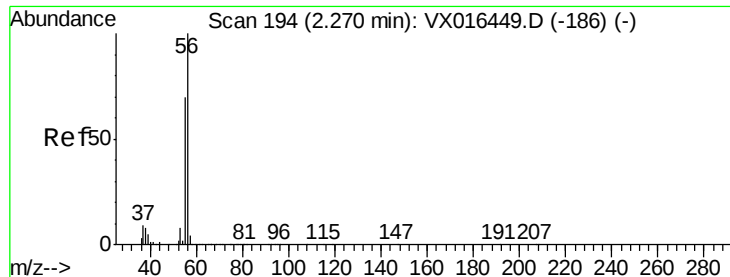


#12

1,1-Dichloroethene
Concen: 48.245 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	96	Resp	110368
Ion Ratio	96	100	
Lower	61	154.2	126.6
Upper	98	63.4	51.3





#13

Acrolein

Concen: 264.336 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 85134

Ion Ratio Lower Upper

56 100

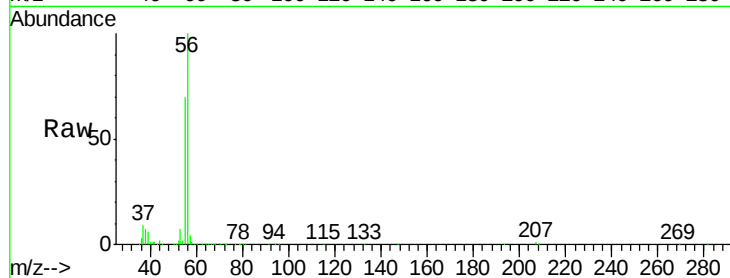
55 70.4 58.3 87.5

Manual Integrations

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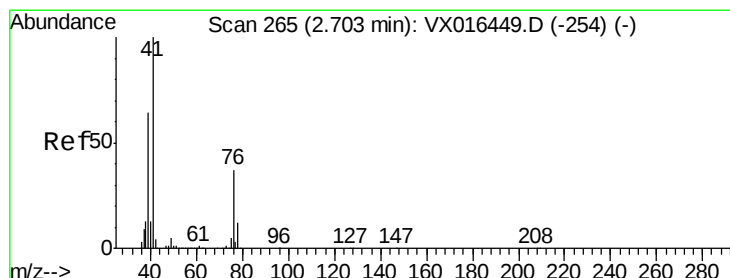
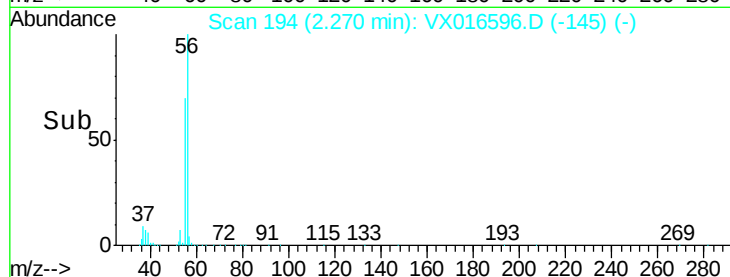
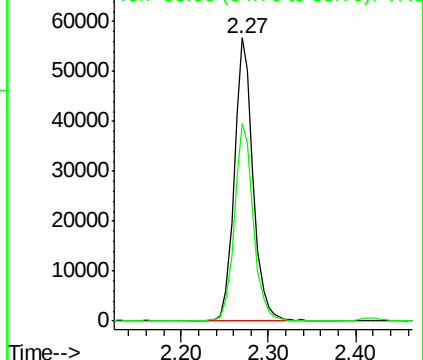
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 44.129 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

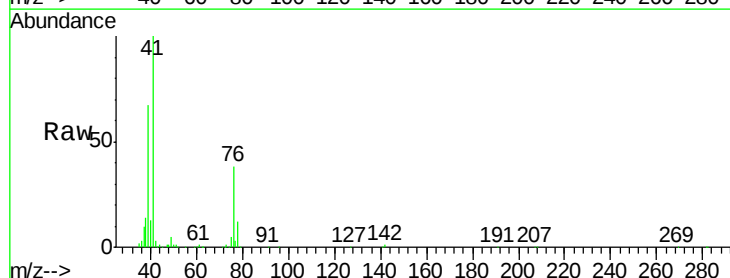
Tgt Ion: 41 Resp: 185654

Ion Ratio Lower Upper

41 100

39 60.8 47.7 71.5

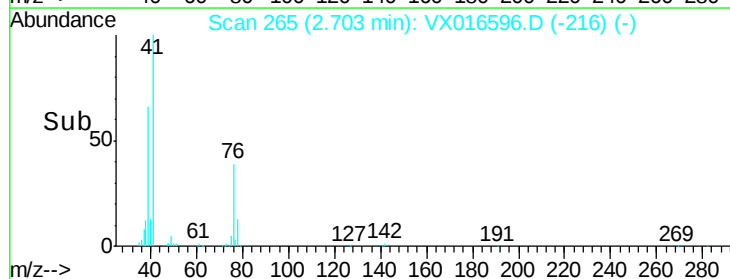
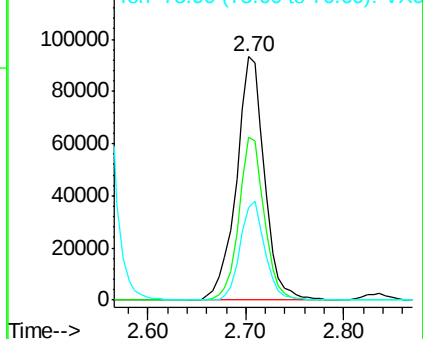
76 35.7 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 232.446 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

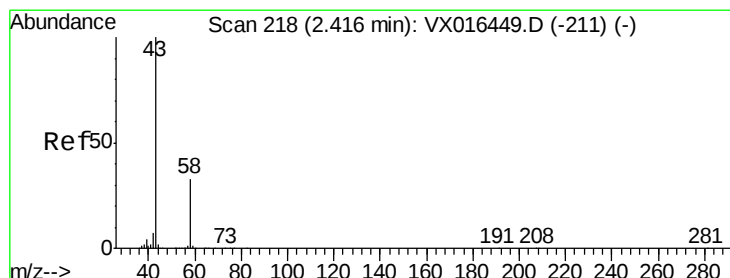
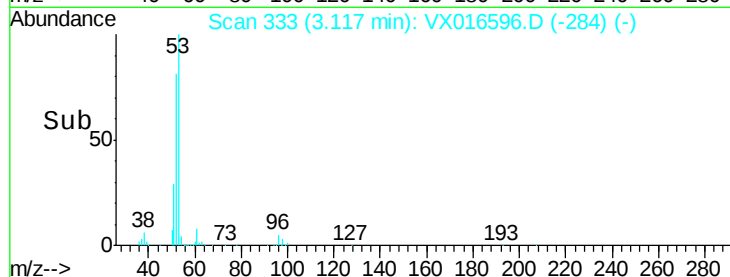
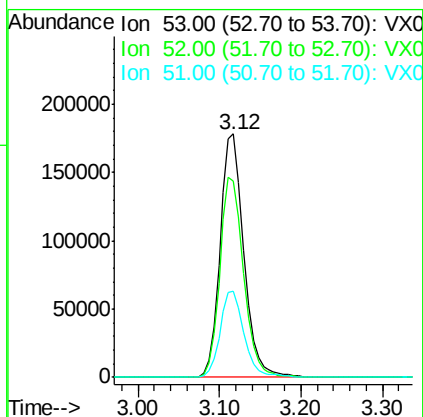
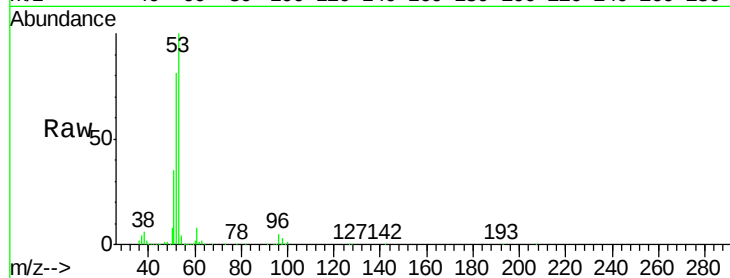
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	360501
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.7	100.1
51	35.9	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 229.268 ug/l

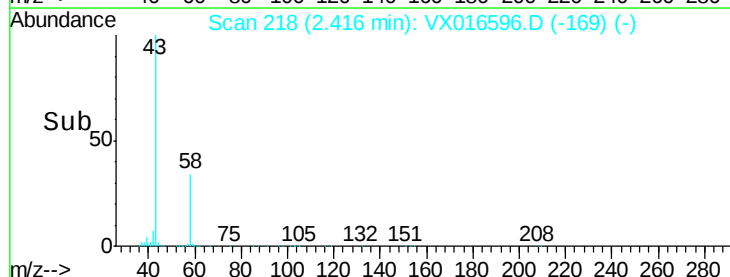
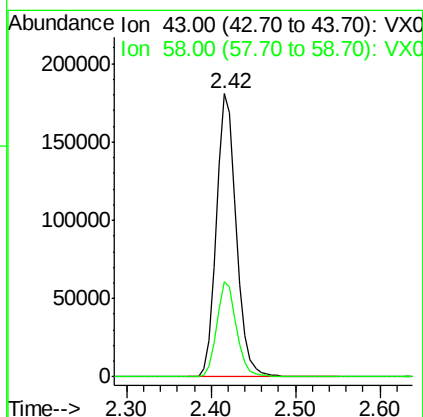
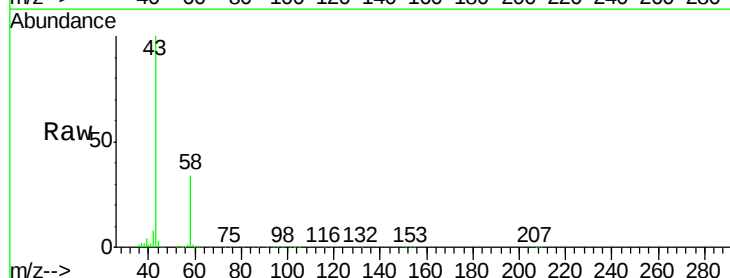
RT: 2.42 min Scan# 218

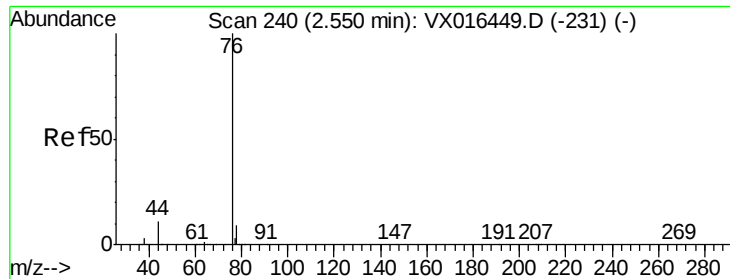
Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Tgt Ion:	43	Resp:	296573
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.1	39.1





#17

Carbon Disulfide

Concen: 44.501 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 302314

Ion Ratio Lower Upper

76 100

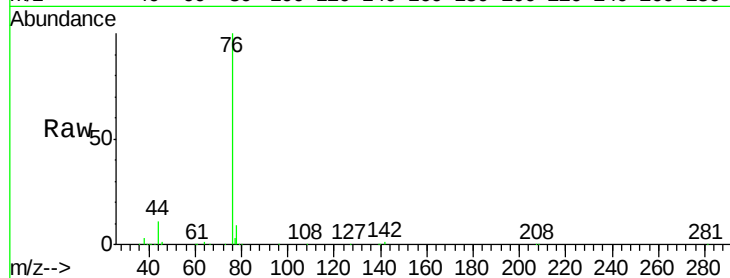
78 8.8 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

200000

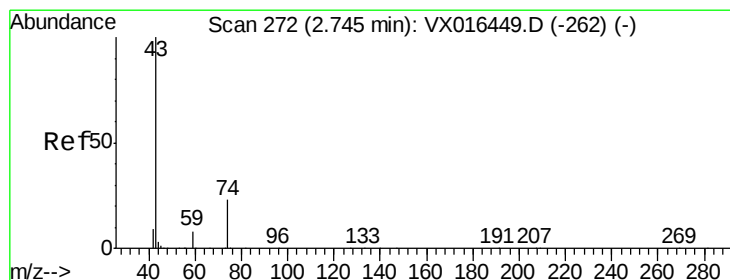
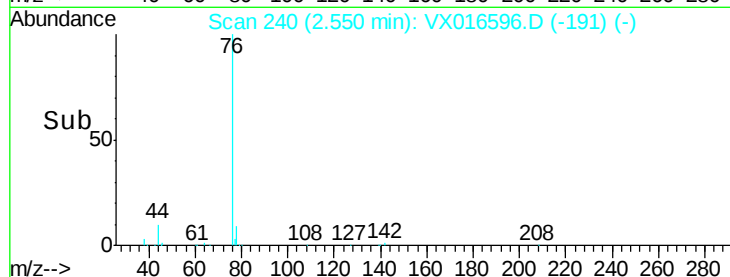
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.854 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX016596.D

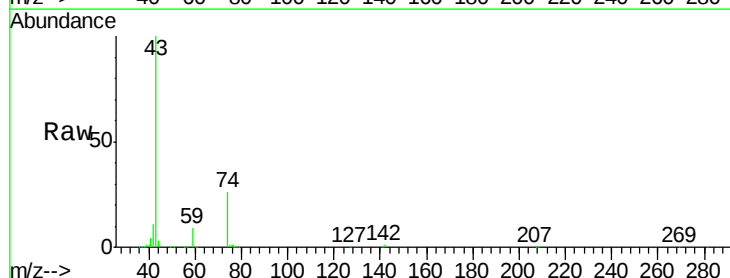
Acq: 04 Jun 2020 20:54

Tgt Ion: 43 Resp: 158768

Ion Ratio Lower Upper

43 100

74 27.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

100000

80000

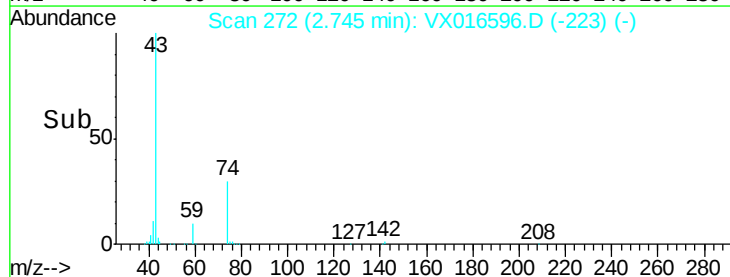
60000

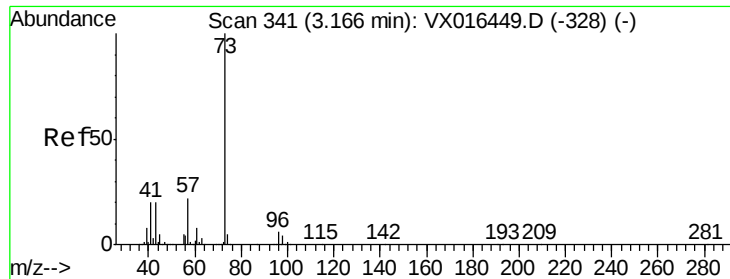
40000

20000

0

Time-->





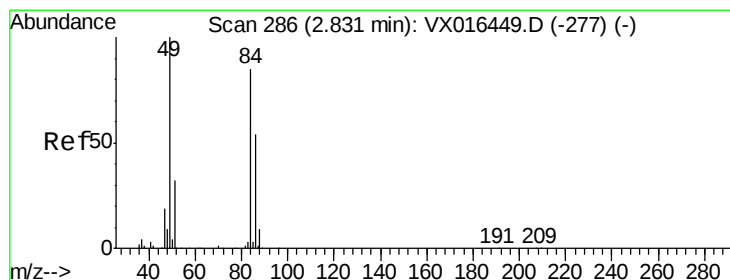
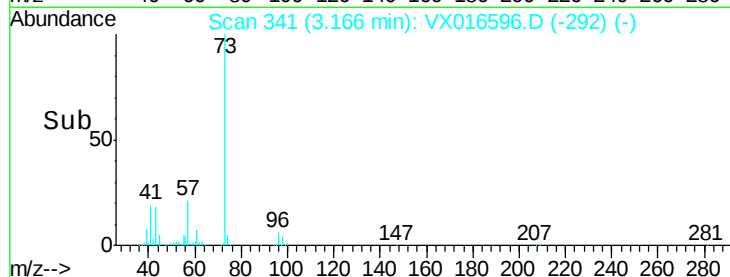
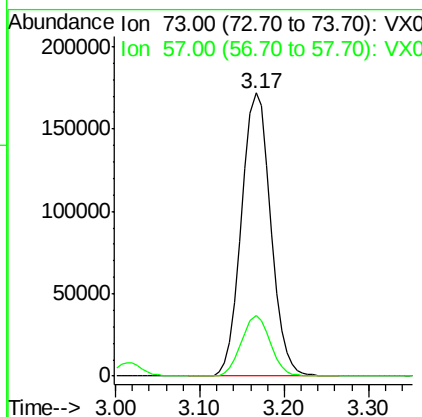
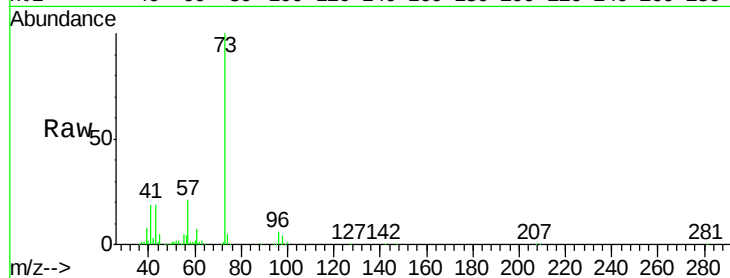
#19
Methyl tert-butyl Ether
Concen: 49.043 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.8	26.6

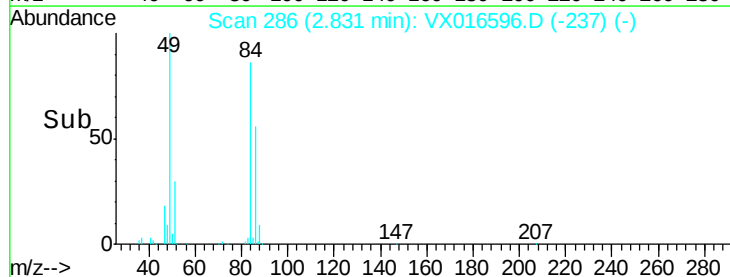
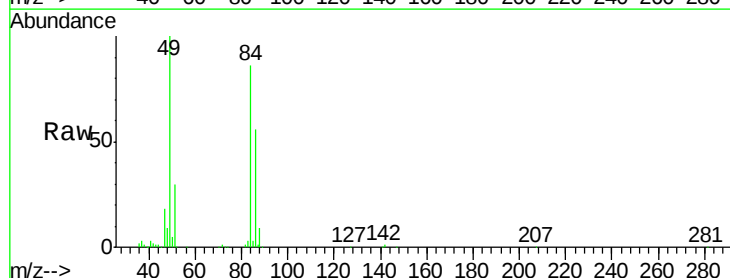
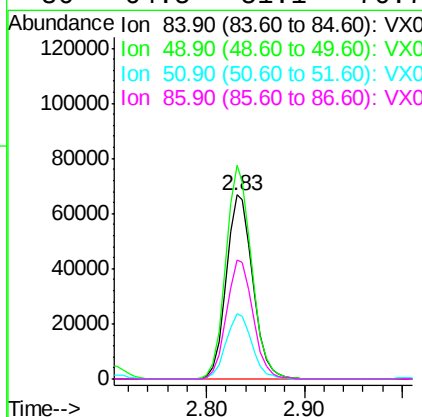
Manual Integrations
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#20
Methylene Chloride
Concen: 46.788 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.0	94.5	141.7
51	35.1	30.2	45.4
86	64.5	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 48.231 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

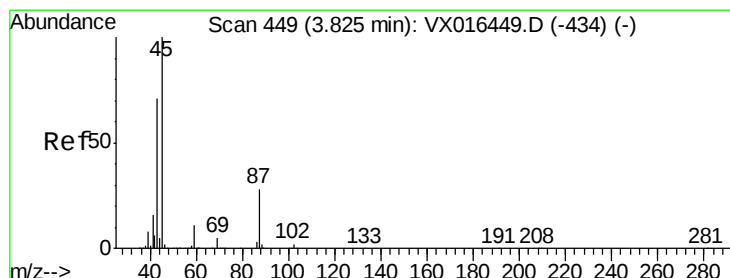
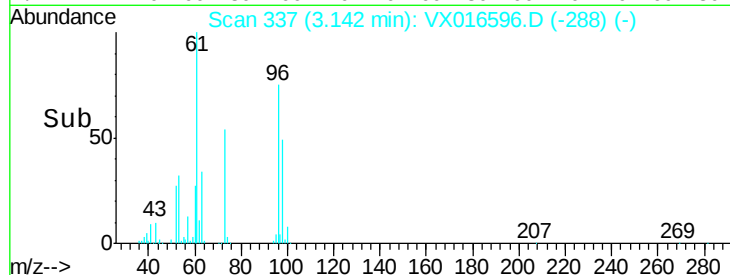
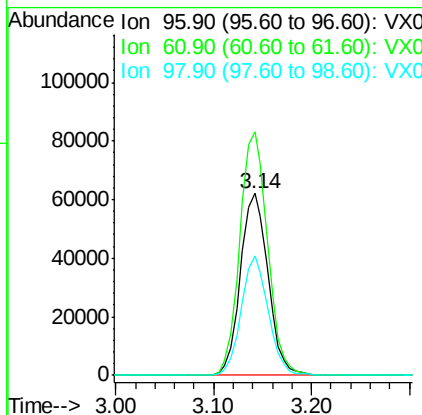
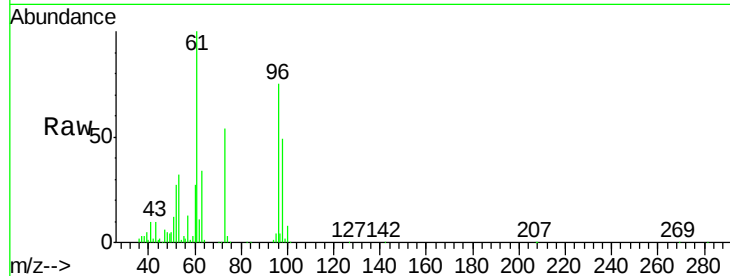
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	122044
Ion	Ratio	Lower	Upper
96	100		
61	133.9	115.3	172.9
98	65.4	51.9	77.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.475 ug/l

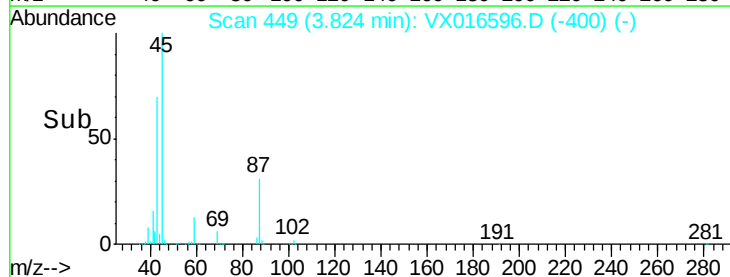
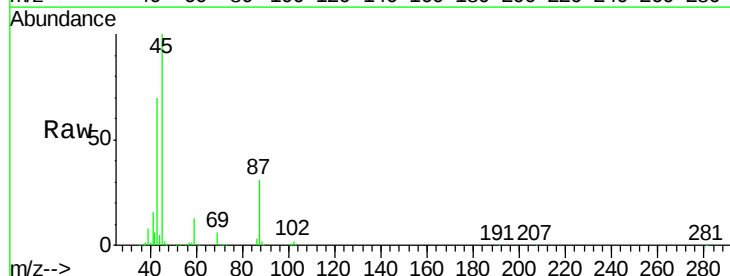
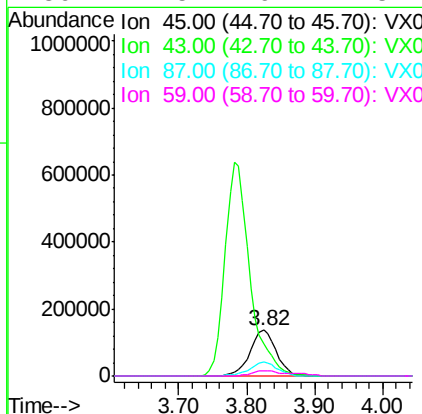
RT: 3.82 min Scan# 449

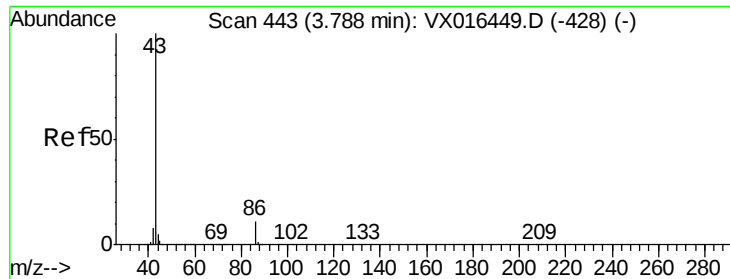
Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Tgt Ion:	45	Resp:	367525
Ion	Ratio	Lower	Upper
45	100		
43	70.3	57.0	85.6
87	31.1	22.5	33.7
59	12.5	9.1	13.7





#23

Vinyl Acetate

Concen: 229.839 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1625921

Ion Ratio Lower Upper

43 100

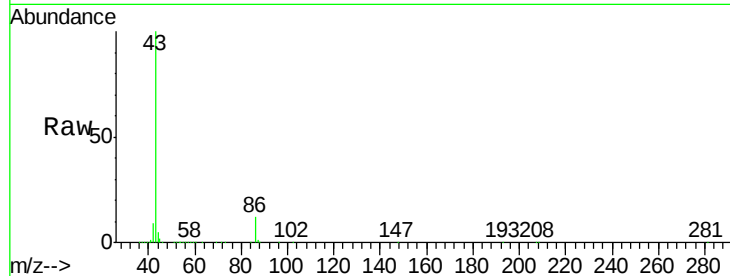
86 12.1 8.6 13.0

Manual Integrations

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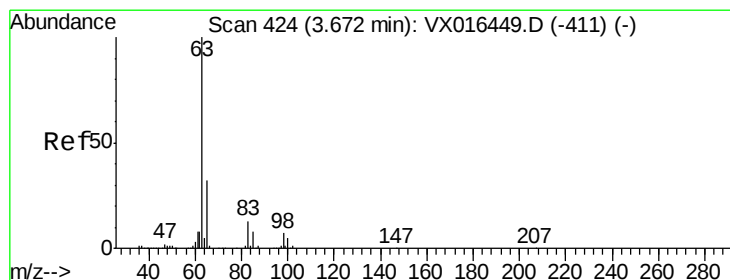
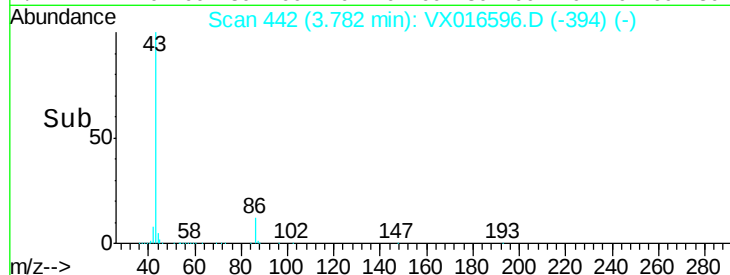
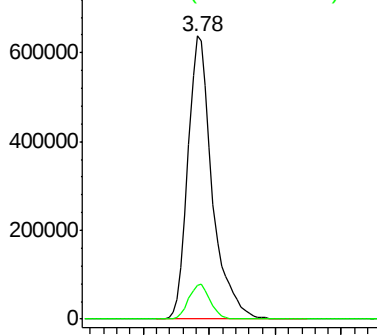
MMDadoda

6/5/2020 10:12:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.132 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

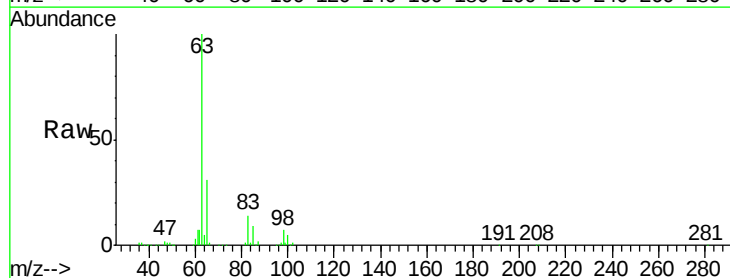
Tgt Ion: 63 Resp: 219559

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

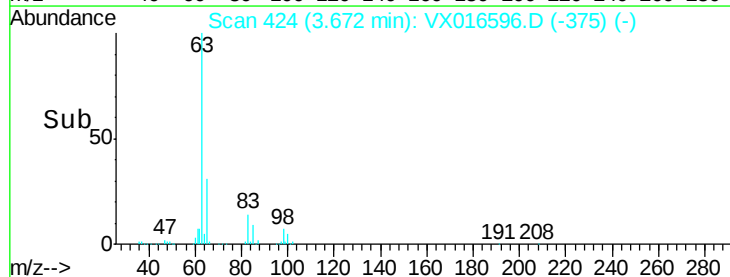
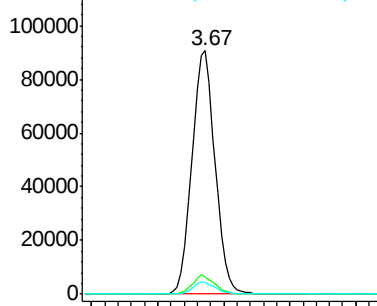
100 4.9 2.4 7.1

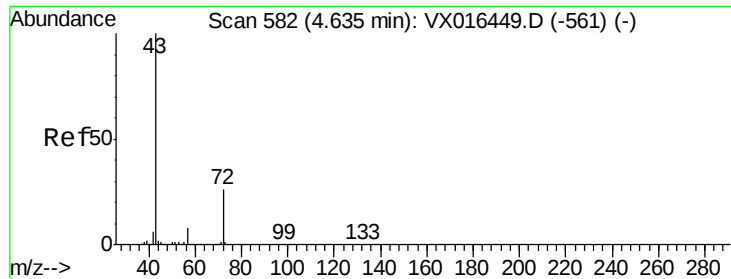


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 224.787 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 492708

Ion Ratio Lower Upper

43 100

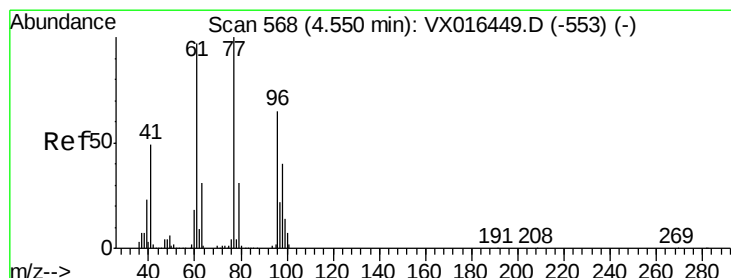
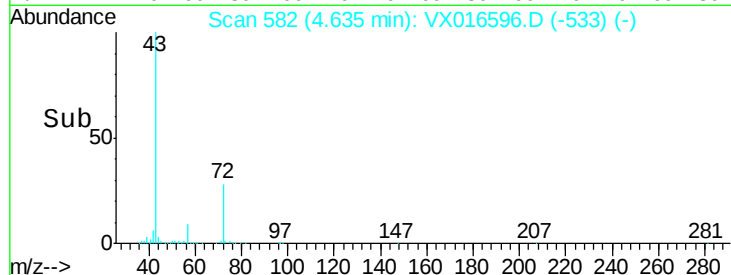
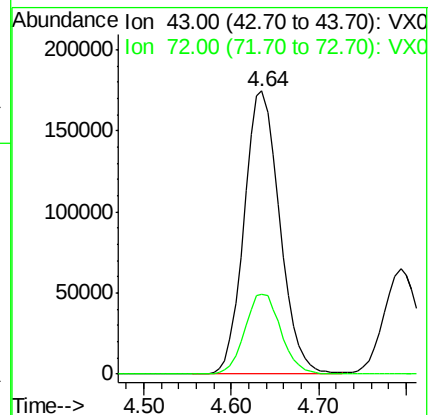
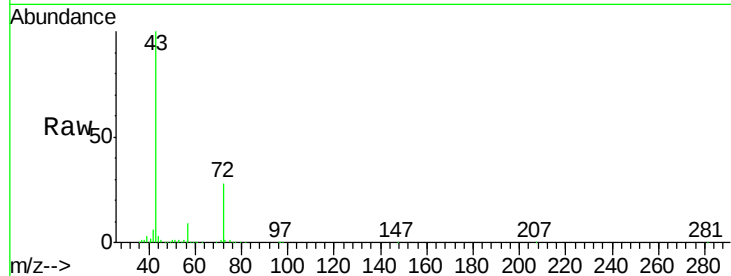
72 28.2 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.500 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016596.D

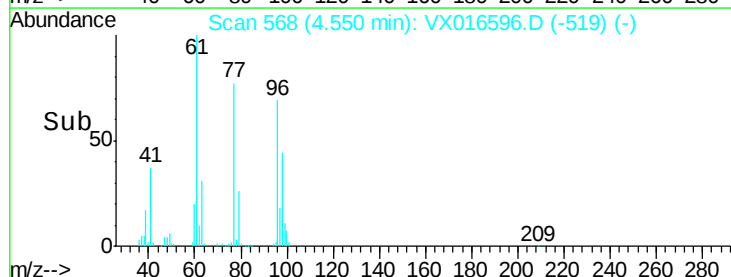
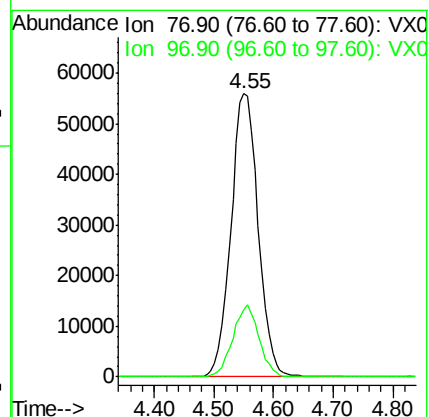
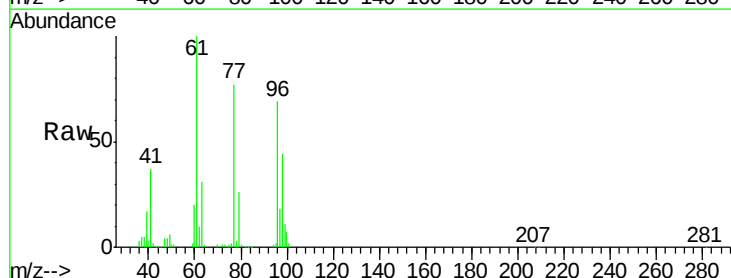
Acq: 04 Jun 2020 20:54

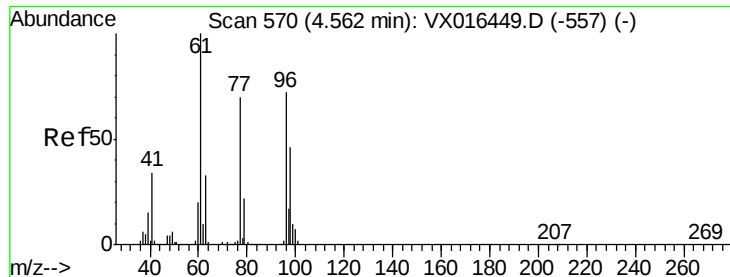
Tgt Ion: 77 Resp: 177301

Ion Ratio Lower Upper

77 100

97 24.4 11.5 34.4





#27

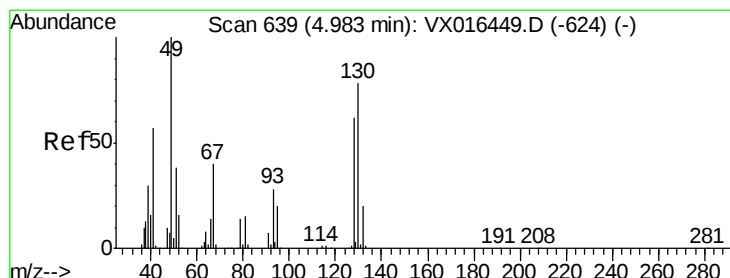
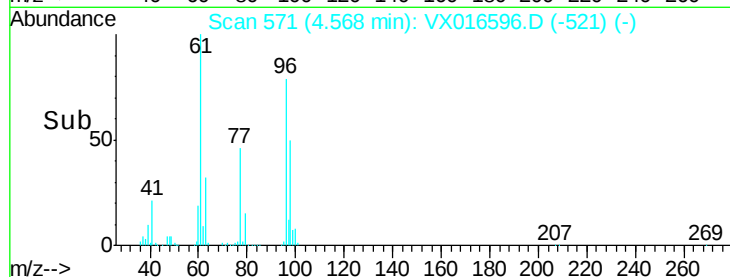
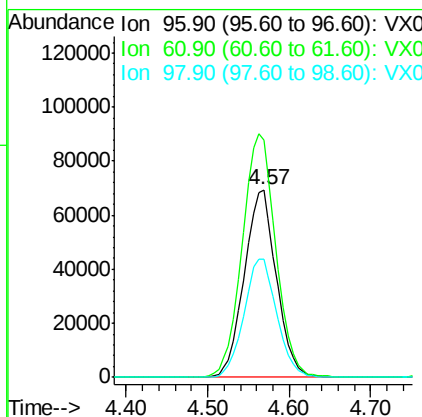
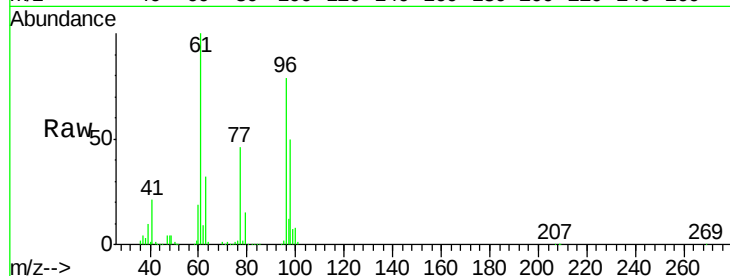
cis-1,2-Dichloroethene
Concen: 65.082 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	190517		
61	135.2	0.0	284.6	
98	64.4	0.0	127.2	

Manual Integrations
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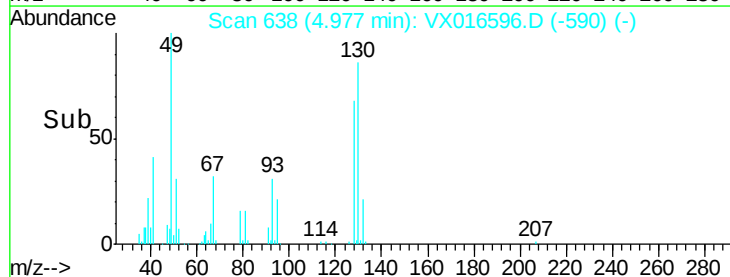
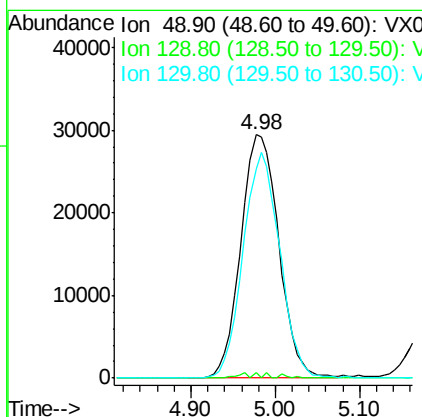
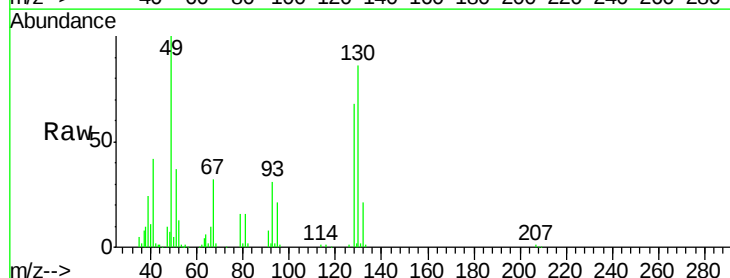
MMDadoda
6/5/2020 10:12:33 AM

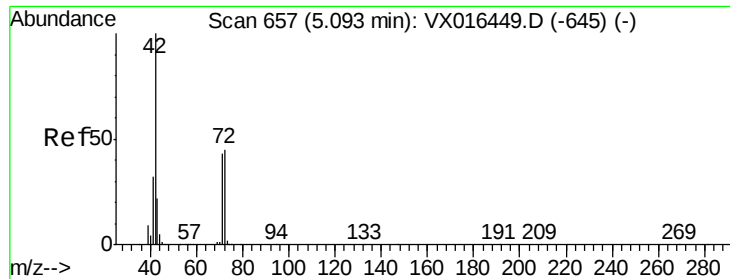


#28

Bromochloromethane
Concen: 42.560 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	90218		
129	0.3	0.0	4.0	
130	89.7	63.0	94.4	





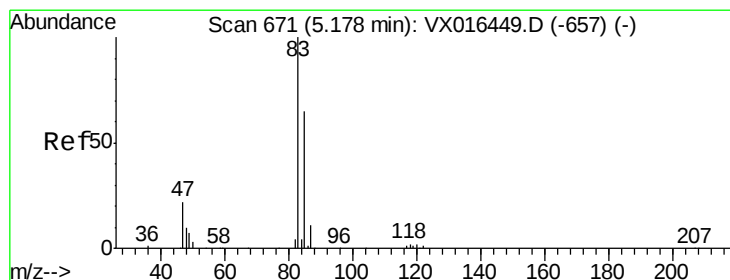
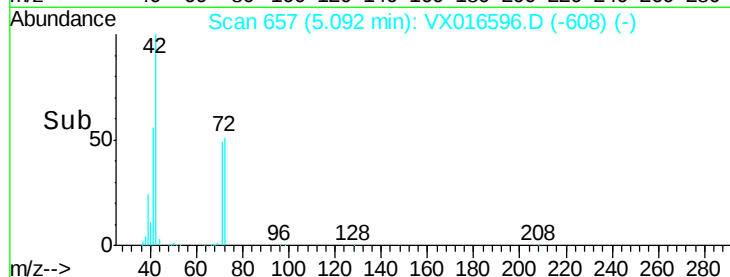
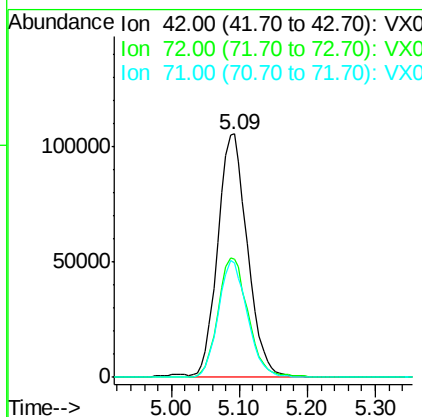
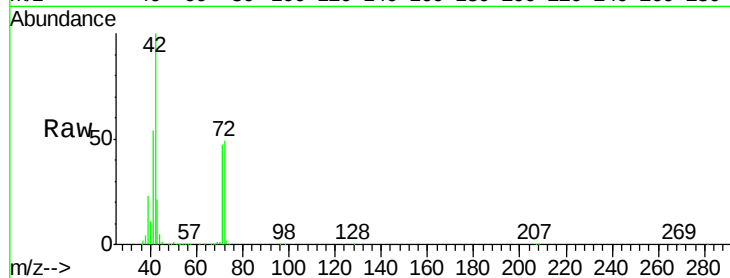
#29
Tetrahydrofuran
Concen: 224.903 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	37.0	55.4
71	47.0	34.1	51.1

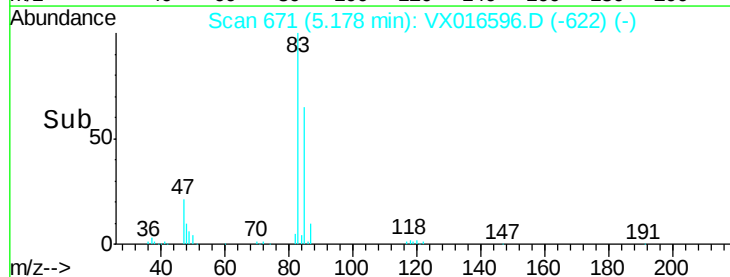
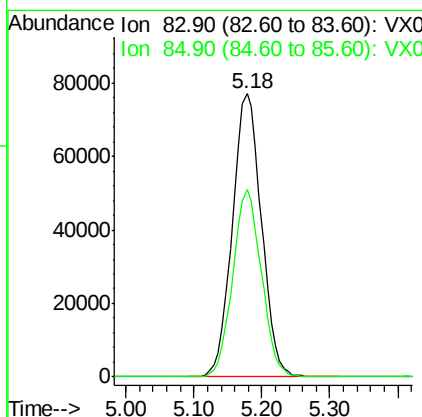
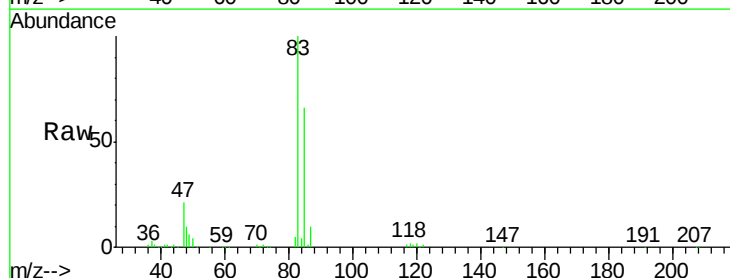
Manual Integrations
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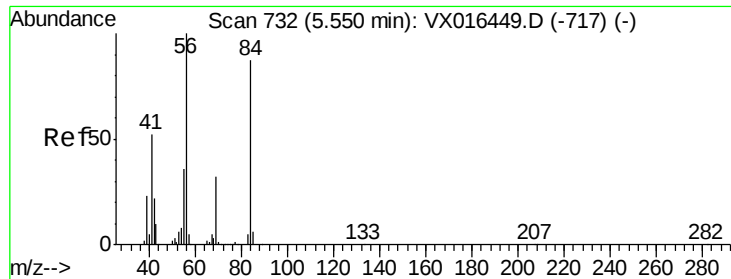
MMDadoda
6/5/2020 10:12:33 AM



#30
Chloroform
Concen: 49.710 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.0	78.0





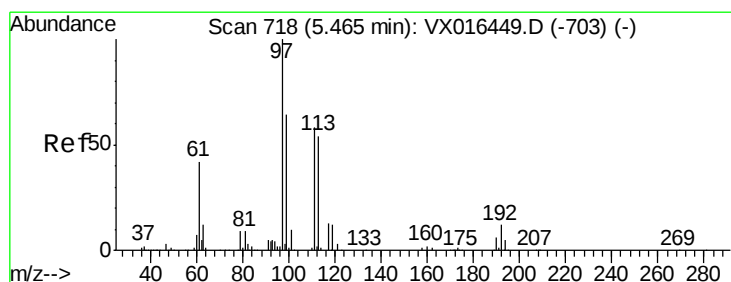
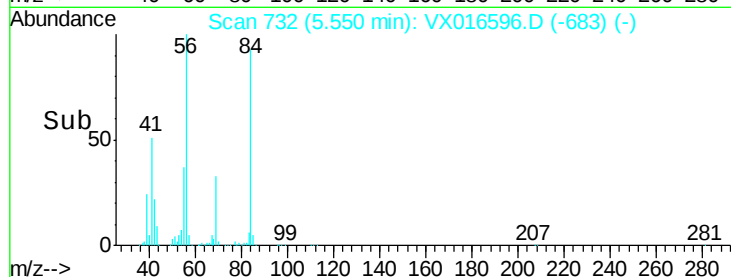
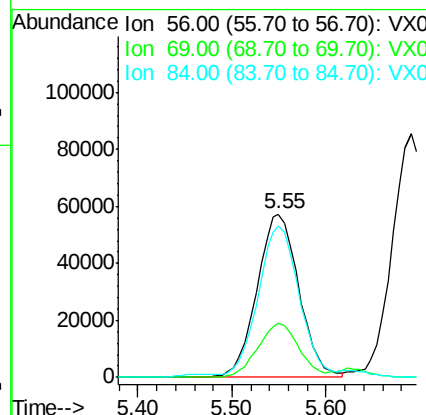
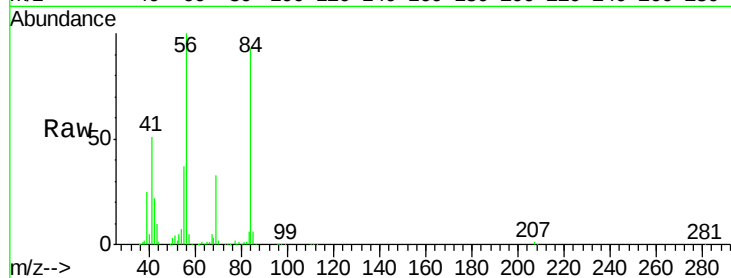
#31
Cyclohexane
Concen: 43.425 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.7	38.5
84	91.0	70.0	105.0

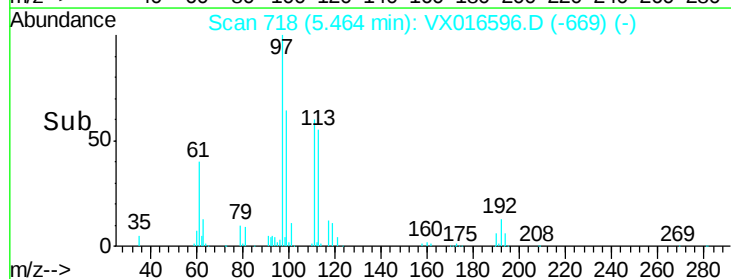
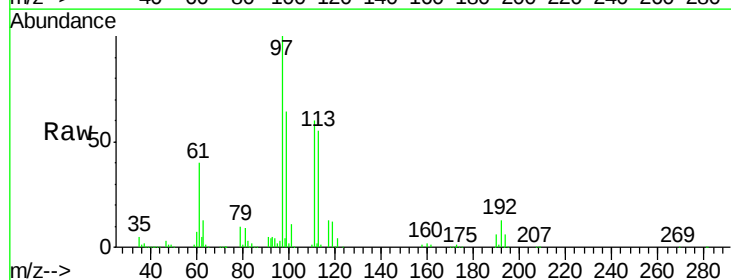
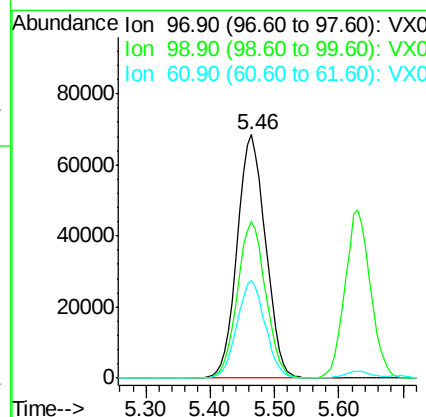
Manual Integrations
APPROVED

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6/5/2020 10:12:33 AM



#32
1,1,1-Trichloroethane
Concen: 50.413 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	39.8	33.5	50.3





#33

1,2-Dichloroethane-d4

Concen: 47.986 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 141679

Ion Ratio Lower Upper

65 100

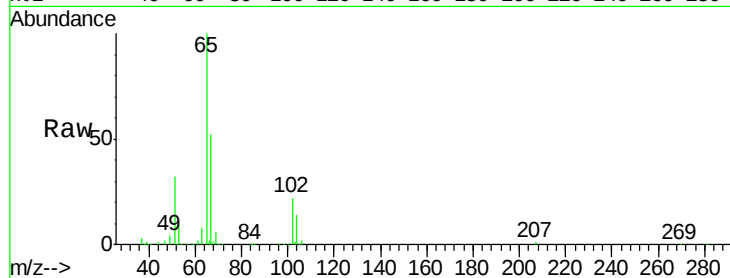
67 51.2 0.0 104.8

Manual Integrations

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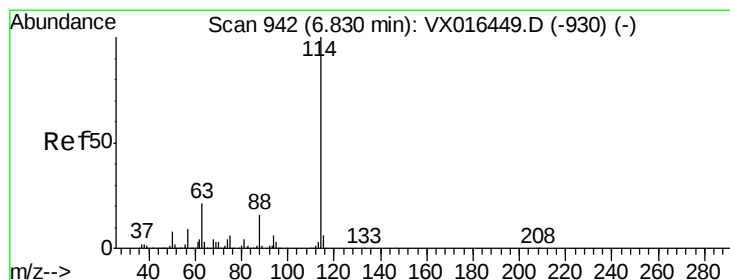
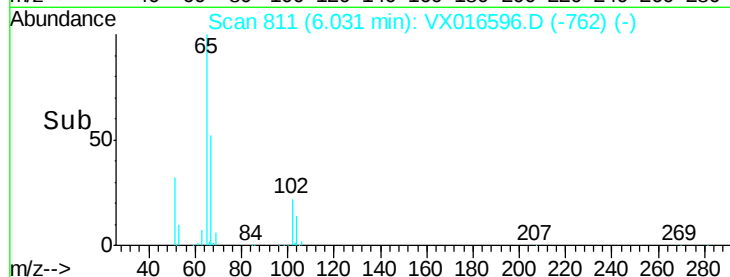
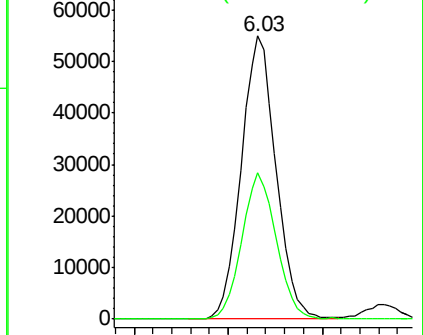
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

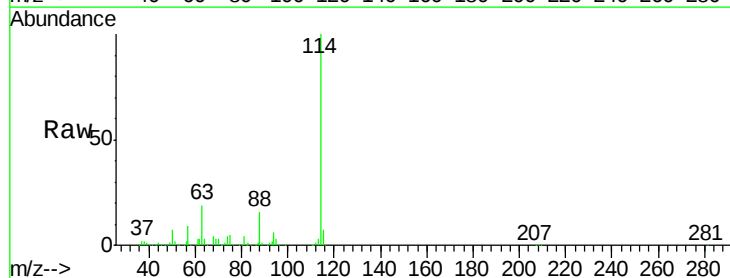
Tgt Ion: 114 Resp: 368952

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

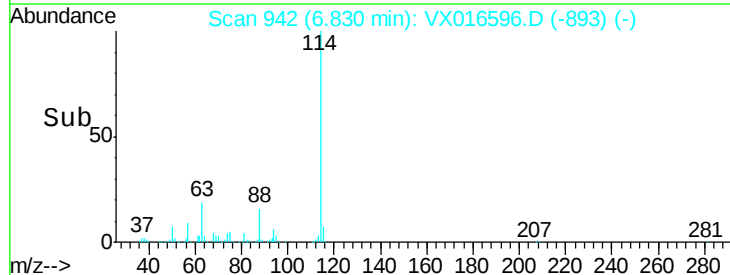
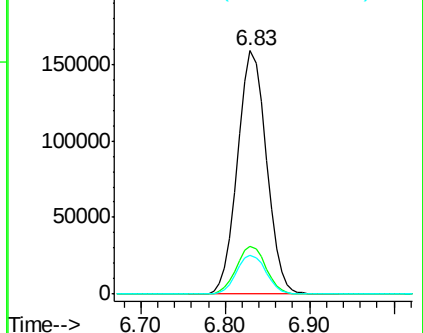
88 16.0 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.557 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

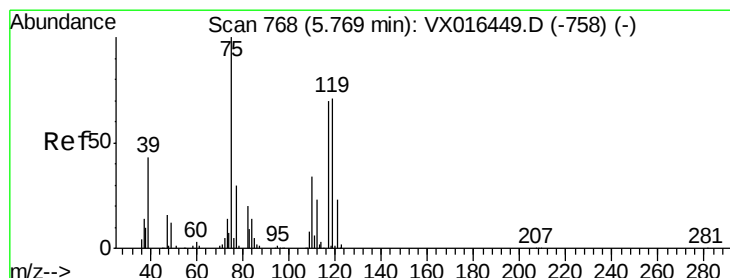
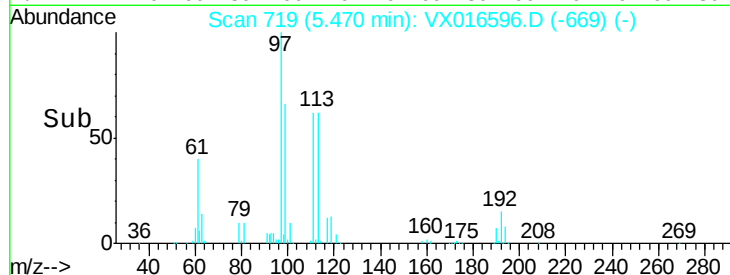
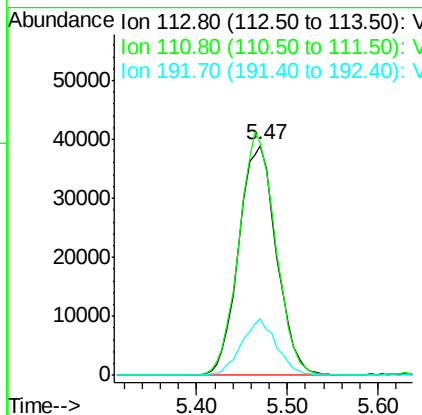
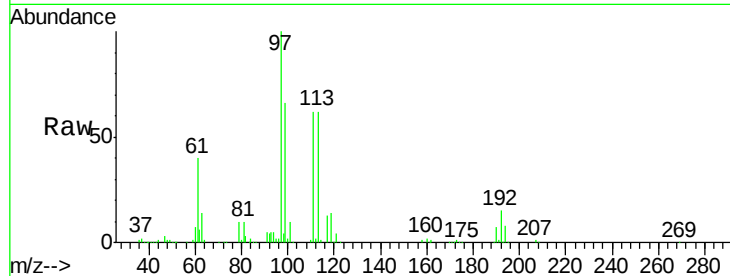
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	112584
Ion Ratio	Lower	Upper	
113	100		
111	102.7	83.0	124.6
192	23.0	17.7	26.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.749 ug/l

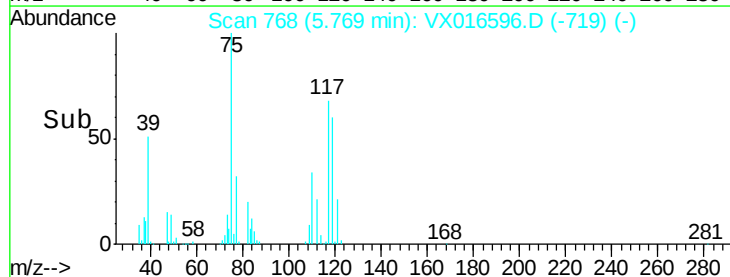
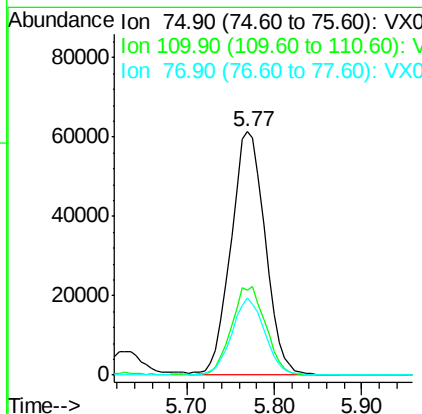
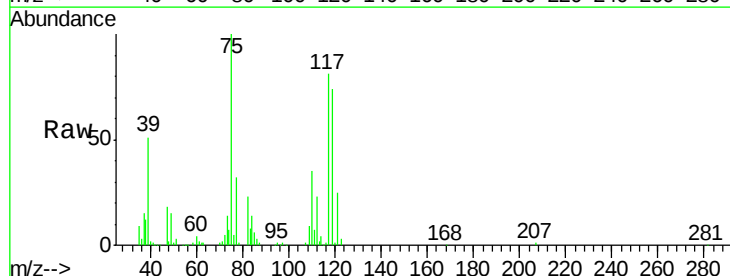
RT: 5.77 min Scan# 768

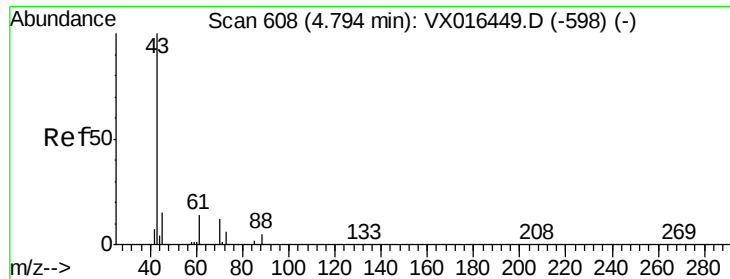
Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Tgt Ion:	75	Resp:	166800
Ion Ratio	Lower	Upper	
75	100		
110	36.4	17.4	52.3
77	30.7	24.2	36.4





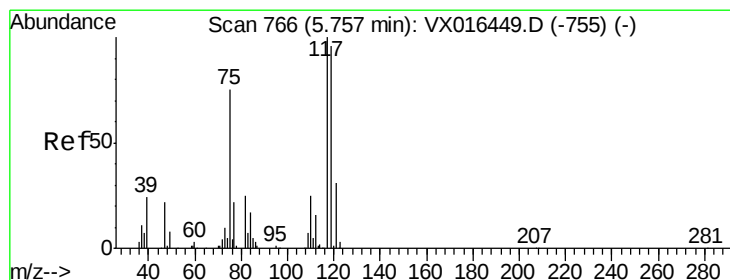
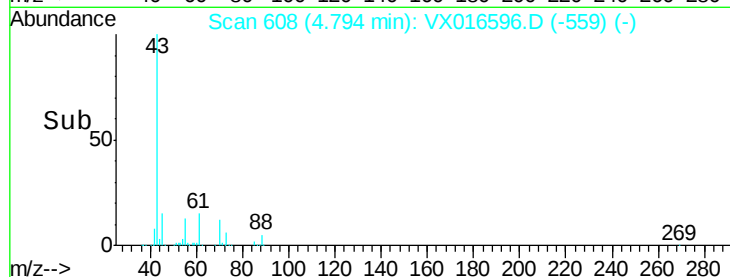
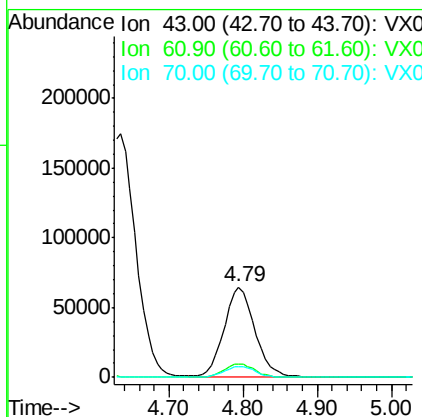
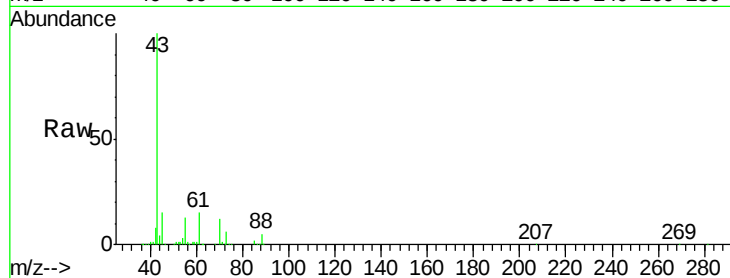
#37
Ethyl Acetate
Concen: 44.500 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.3	16.9
70	12.7	9.3	13.9

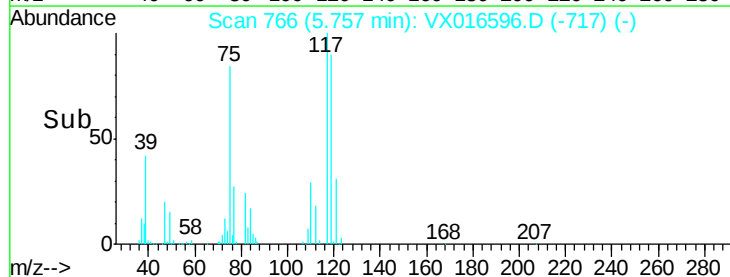
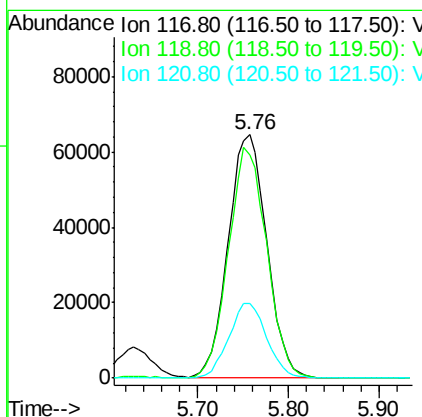
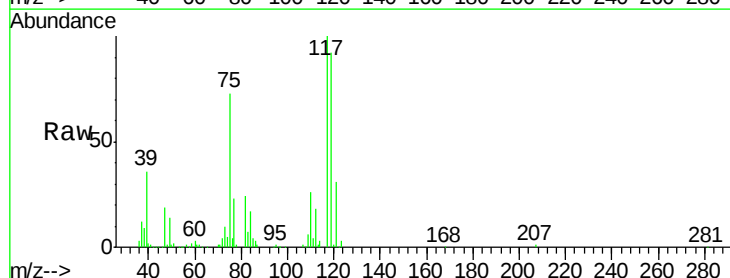
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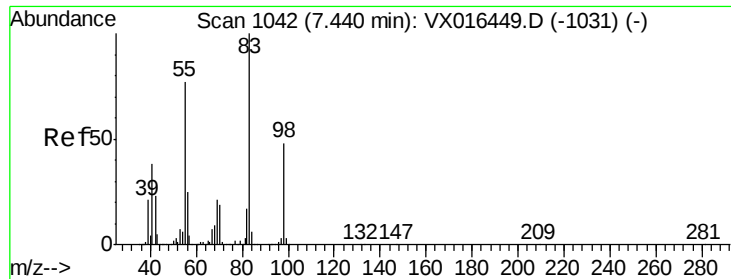
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6/5/2020 10:12:33 AM



#38
Carbon Tetrachloride
Concen: 52.016 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	76.3	114.5
121	30.6	24.6	37.0





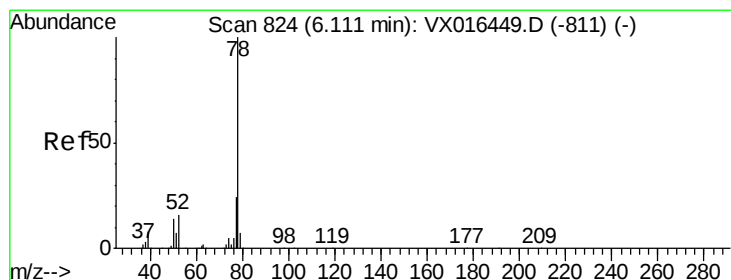
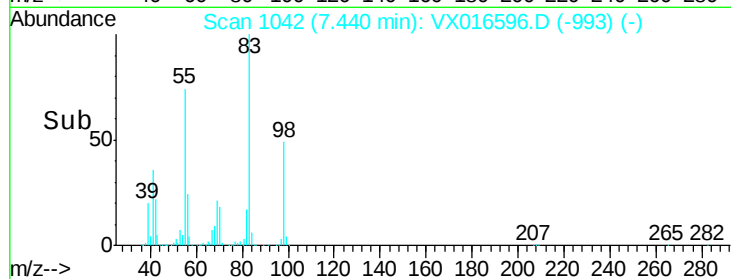
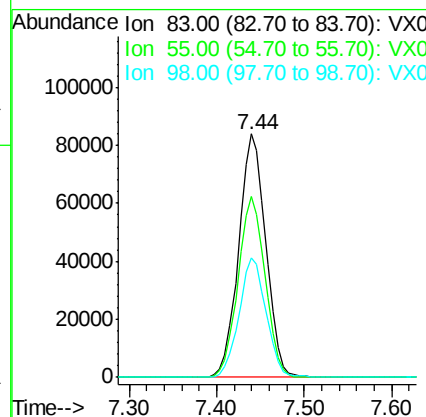
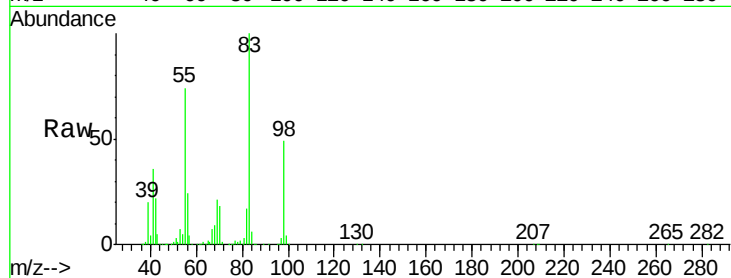
#39
Methylvlcyclohexane
Concen: 47.661 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	61.7	92.5
98	49.2	38.7	58.1

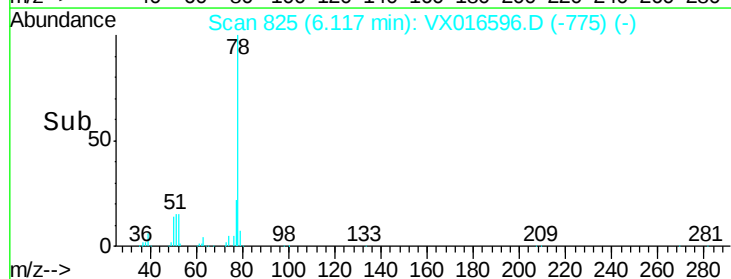
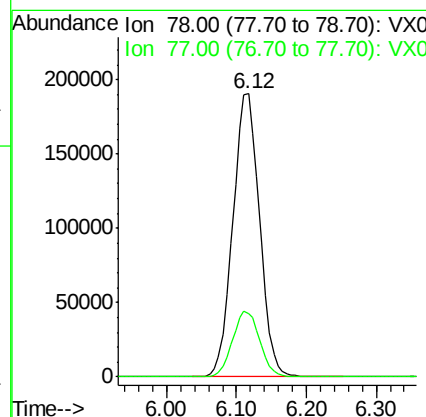
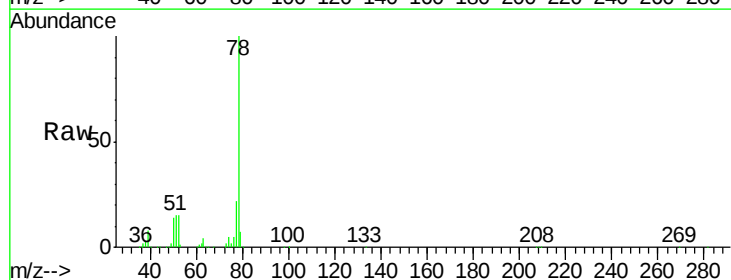
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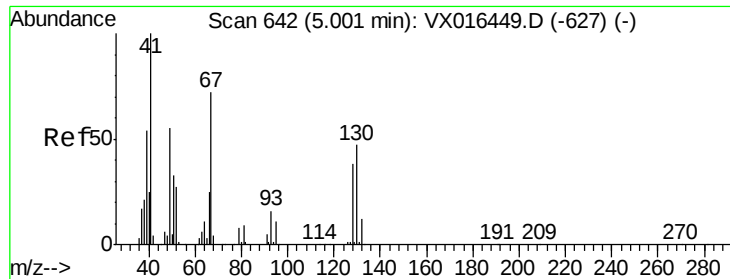
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6/5/2020 10:12:33 AM



#40
Benzene
Concen: 48.416 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.9	28.3





#41

Methacrylonitrile

Concen: 44.012 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 101389

Ion Ratio Lower Upper

41 100

39 55.0 43.0 64.4

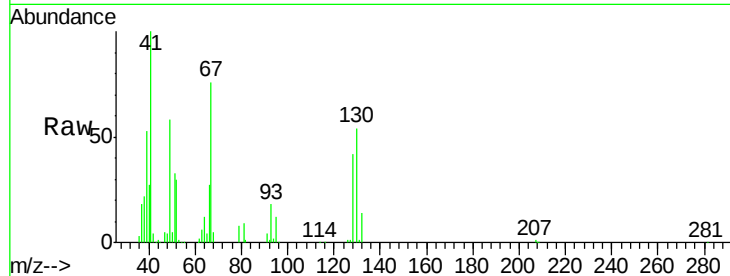
67 79.0 58.9 88.3

52 30.6 23.1 34.7

Manual Integrations
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MMDadoda

6/5/2020 10:12:33 AM

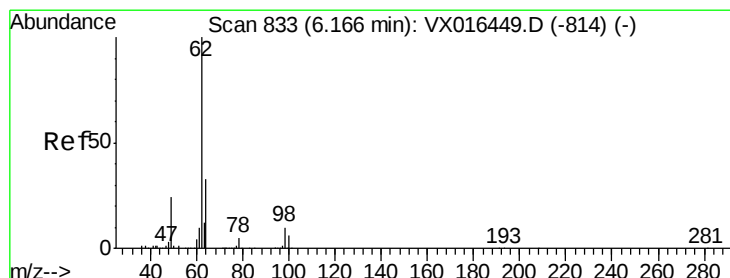
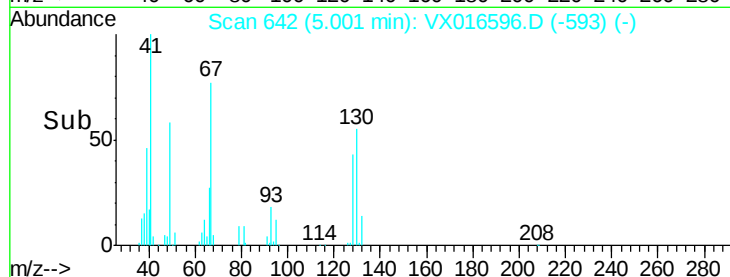
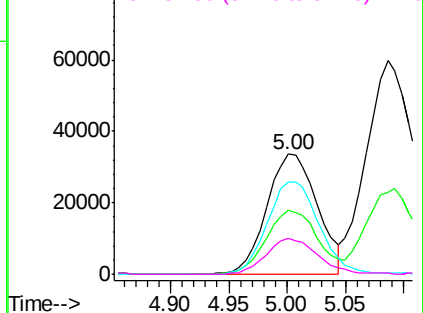


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.788 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX016596.D

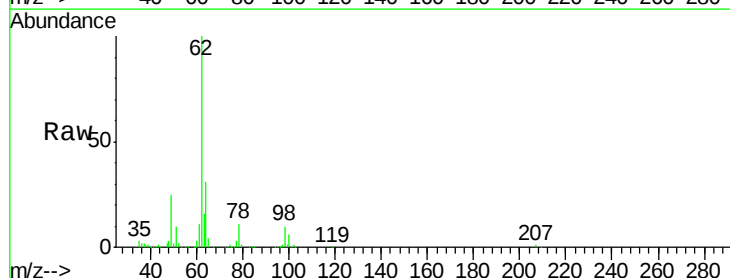
Acq: 04 Jun 2020 20:54

Tgt Ion: 62 Resp: 180492

Ion Ratio Lower Upper

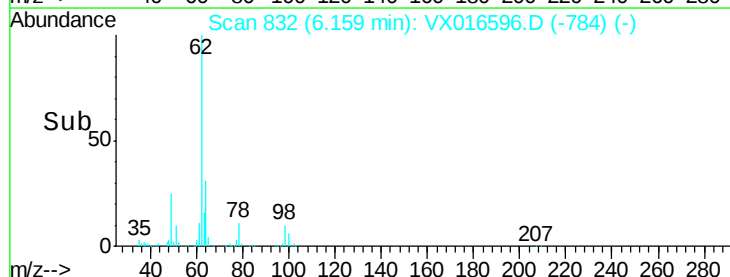
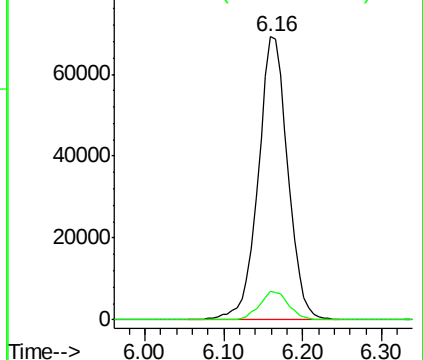
62 100

98 9.9 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

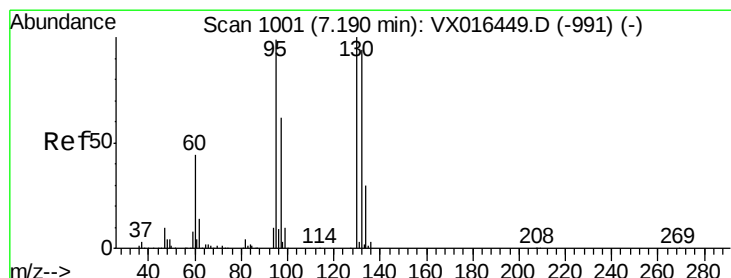
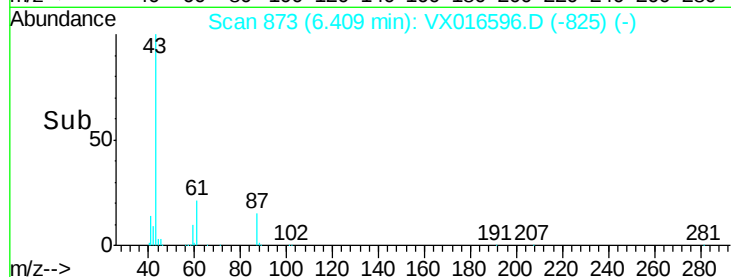
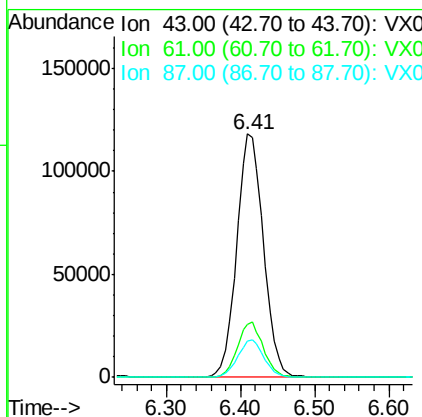
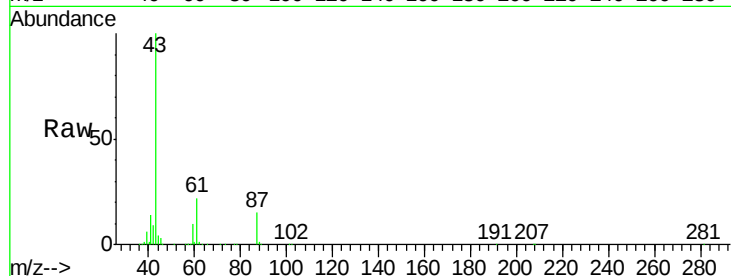
Isopropyl Acetate
 Concen: 45.439 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.1	16.8	25.2
87	15.1	11.2	16.8

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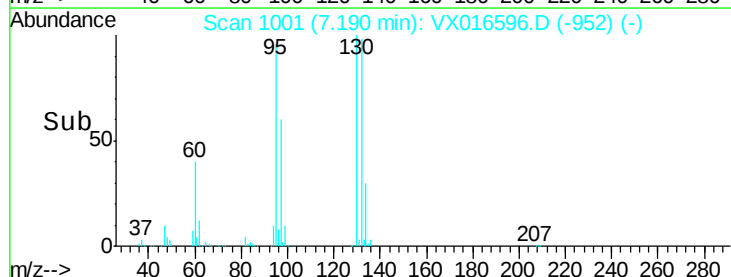
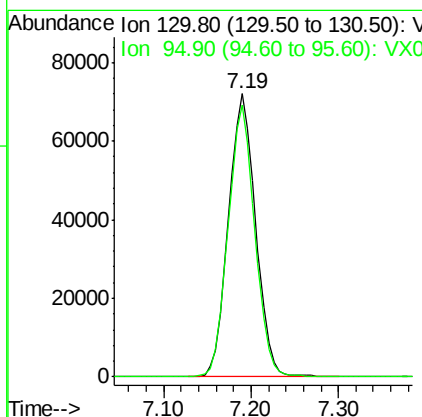
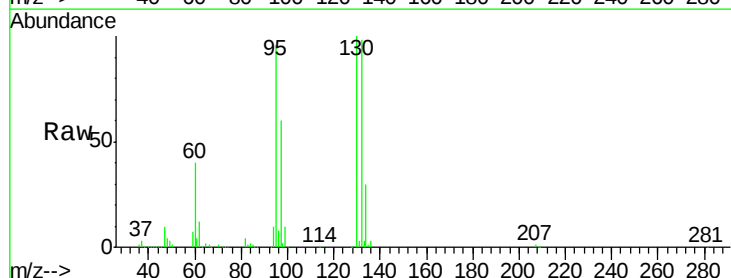
MMDadoda
 6/5/2020 10:12:33 AM

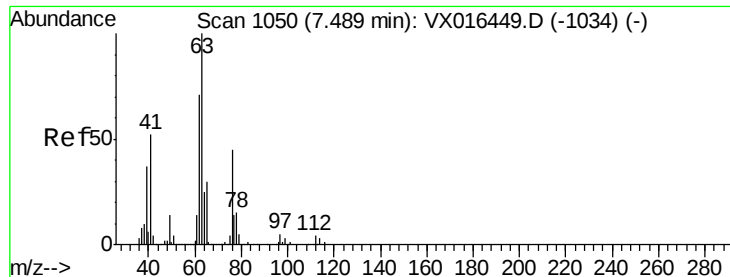


#44

Trichloroethene
 Concen: 47.293 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	198.2





#45

1,2-Dichloropropane

Concen: 47.646 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 126183

Ion Ratio Lower Upper

63 100

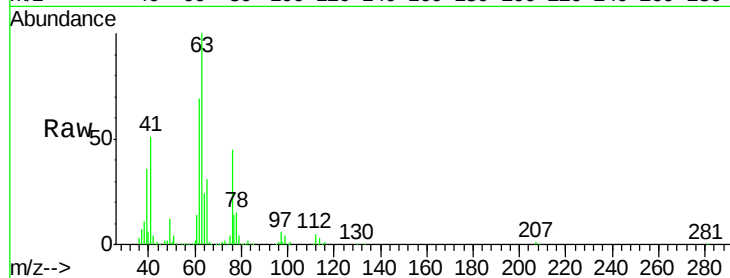
65 31.0 24.2 36.2

Manual Integrations

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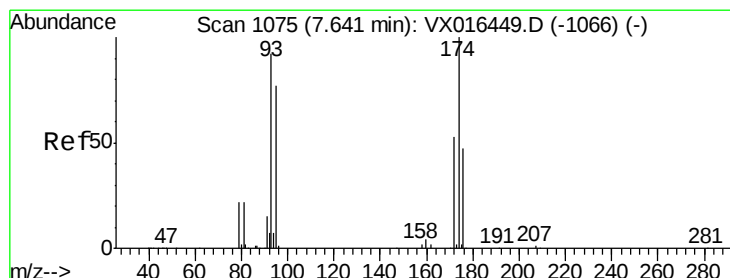
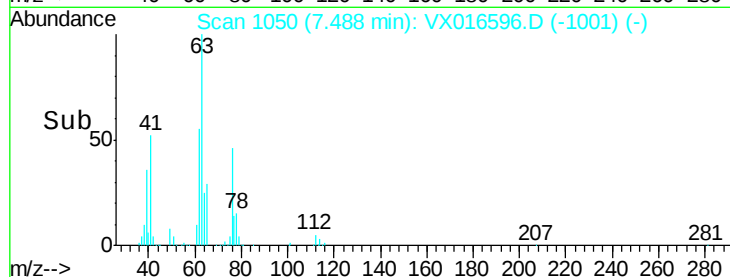
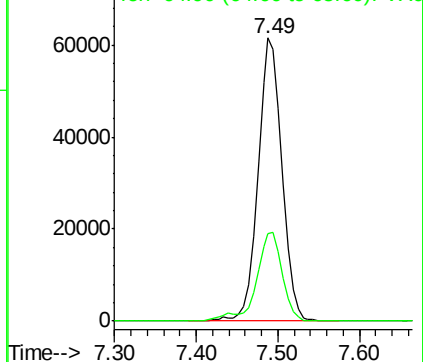
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.188 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

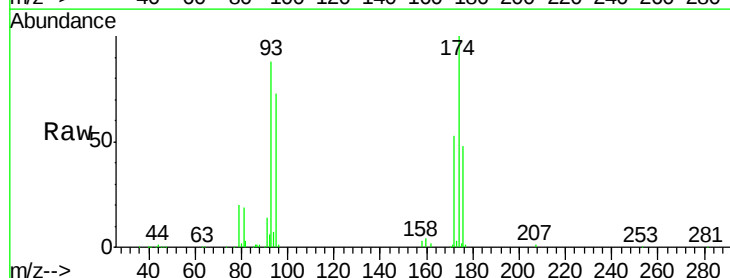
Tgt Ion: 93 Resp: 87495

Ion Ratio Lower Upper

93 100

95 83.6 66.6 100.0

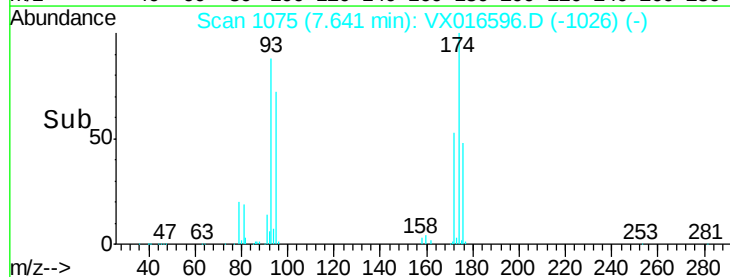
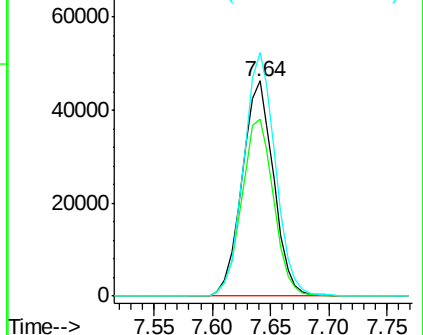
174 114.0 86.2 129.4

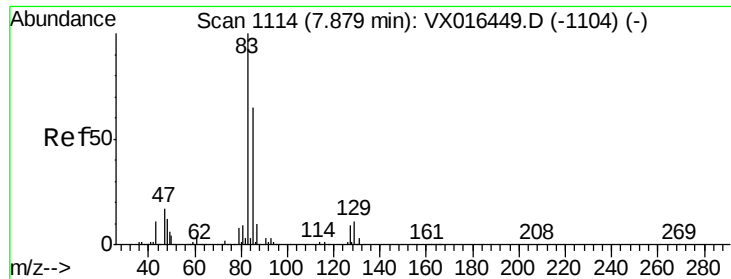


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.928 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

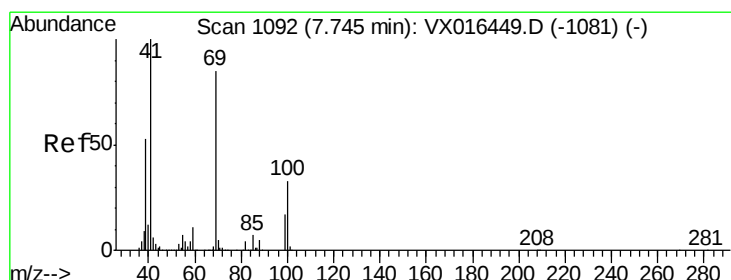
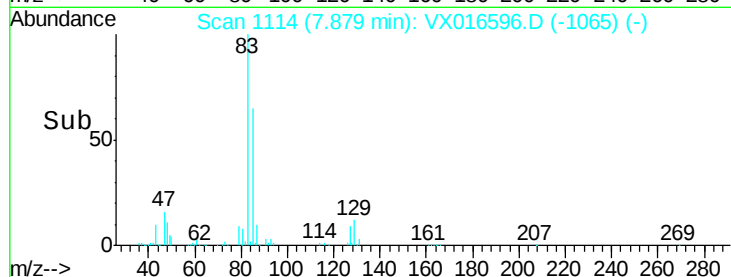
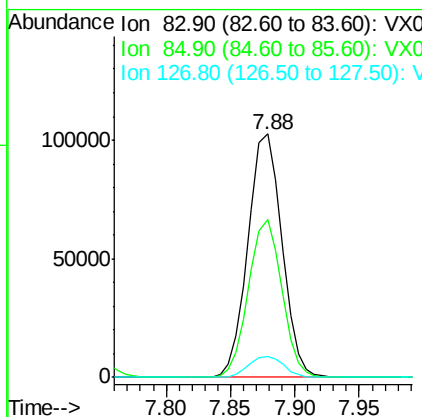
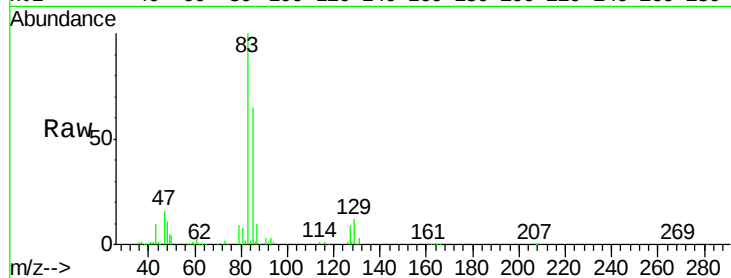
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	187575
Ion Ratio	Lower	Upper	
83	100		
85	64.6	52.0	78.0
127	8.8	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.630 ug/l

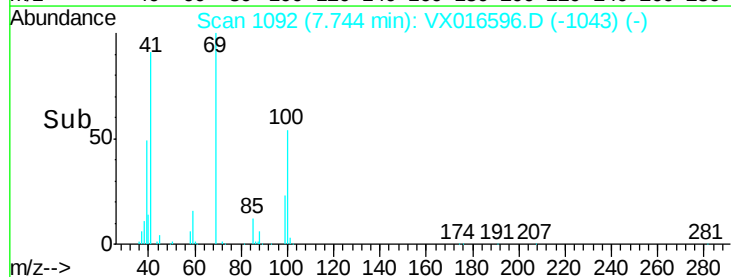
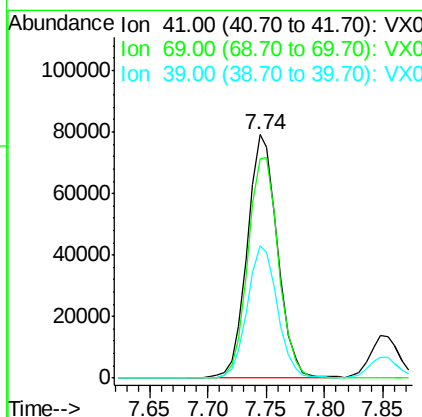
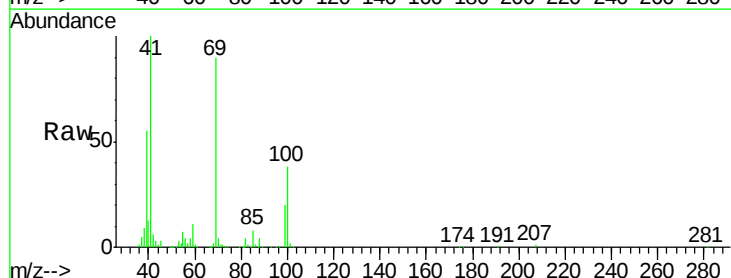
RT: 7.74 min Scan# 1092

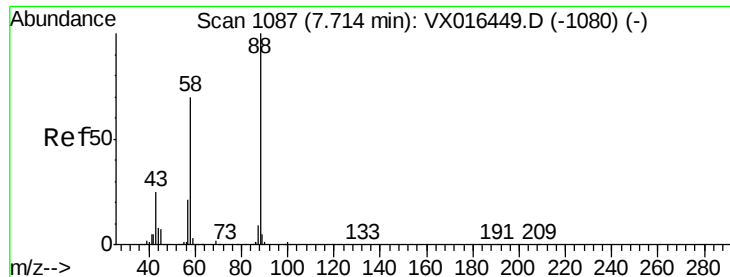
Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Tgt Ion:	41	Resp:	142923
Ion Ratio	Lower	Upper	
41	100		
69	91.9	68.6	102.8
39	54.0	42.4	63.6





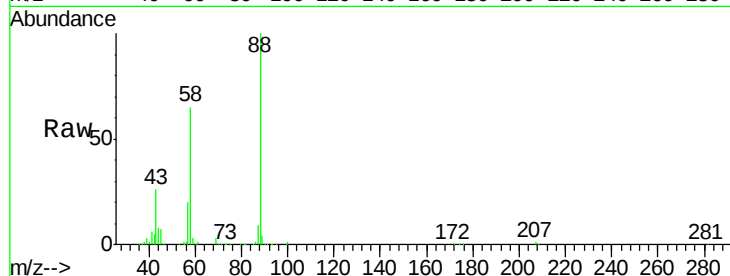
#49
1,4-Dioxane
Concen: 908.758 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	24.2	36.4
58	68.1	56.5	84.7

Manual Integrations
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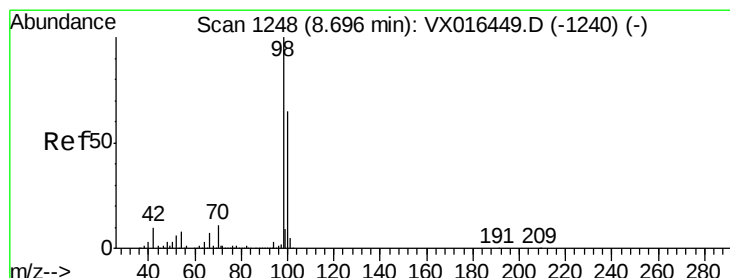
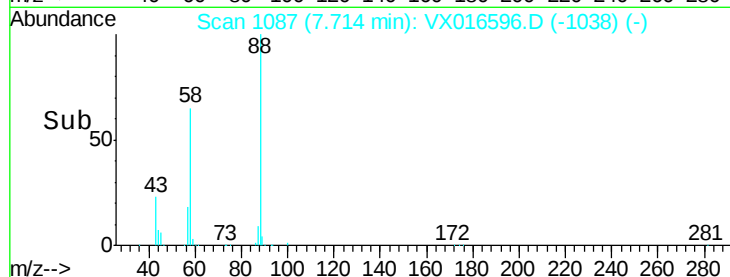
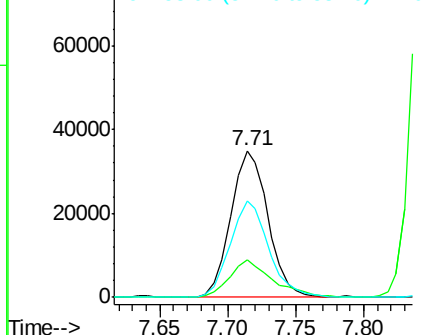


Abundance

Ion 88.00 (87.70 to 88.70): VX0

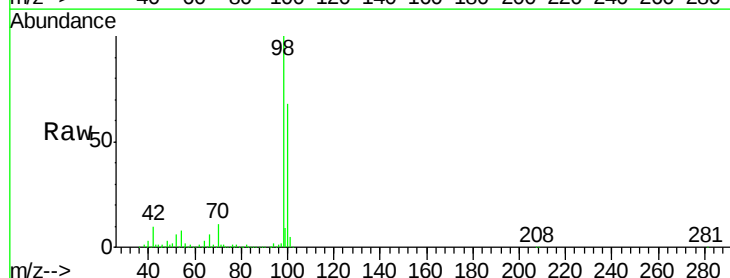
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 49.749 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

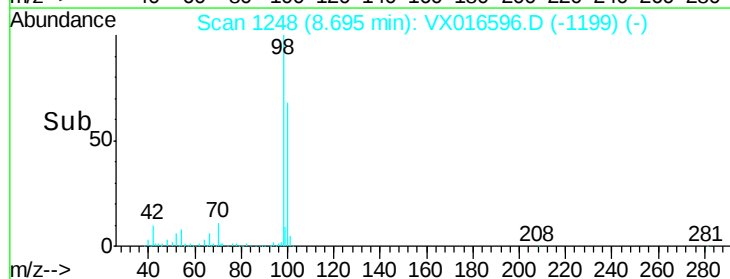
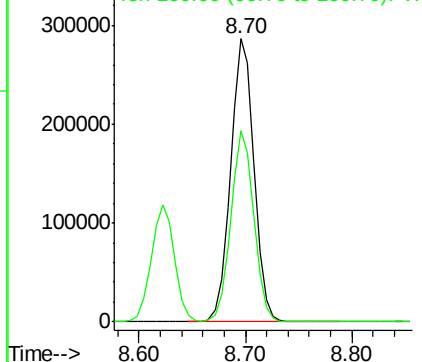
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.8	80.6

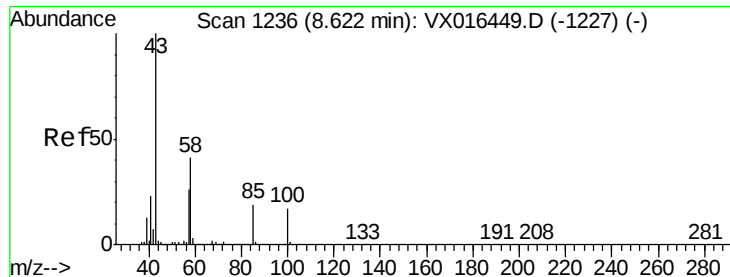


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 232.841 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 948443

Ion Ratio Lower Upper

43 100

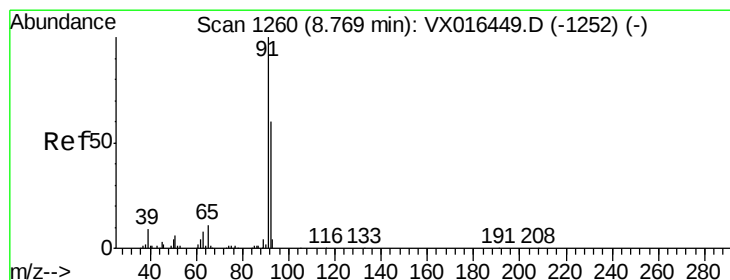
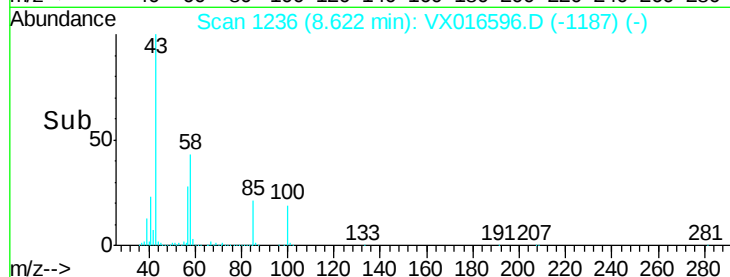
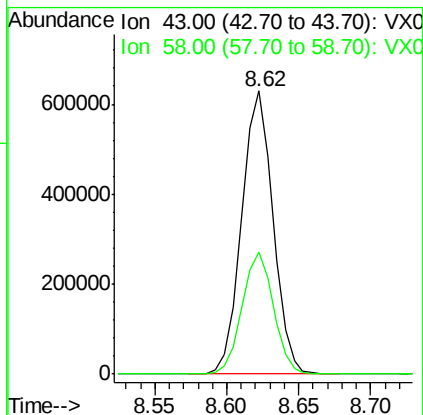
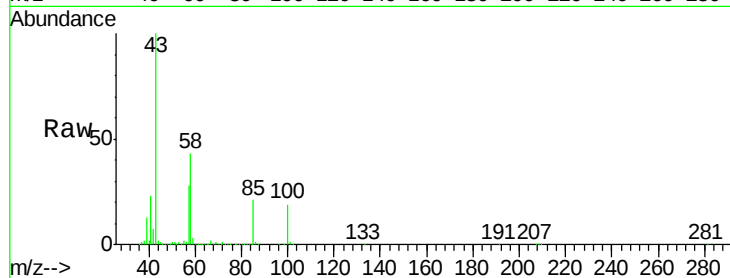
58 43.1 33.0 49.6

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#52

Toluene

Concen: 49.560 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016596.D

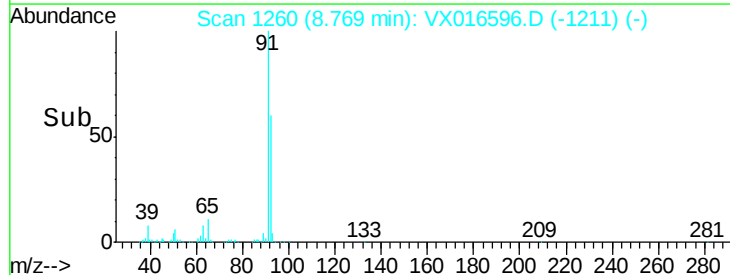
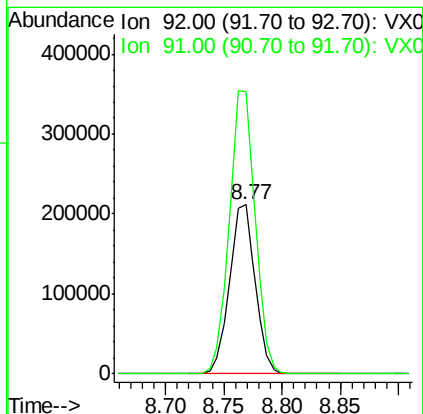
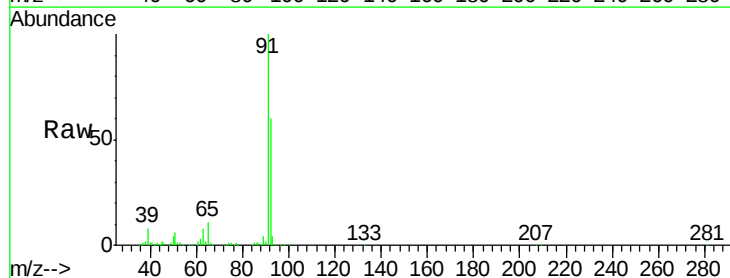
Acq: 04 Jun 2020 20:54

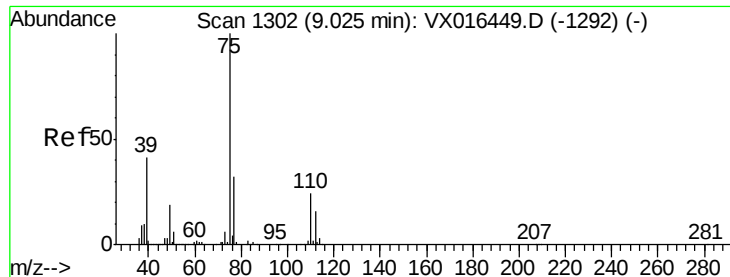
Tgt Ion: 92 Resp: 325111

Ion Ratio Lower Upper

92 100

91 169.2 135.0 202.4





#53

t-1,3-Dichloropropene

Concen: 50.598 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 211911

Ion Ratio Lower Upper

75 100

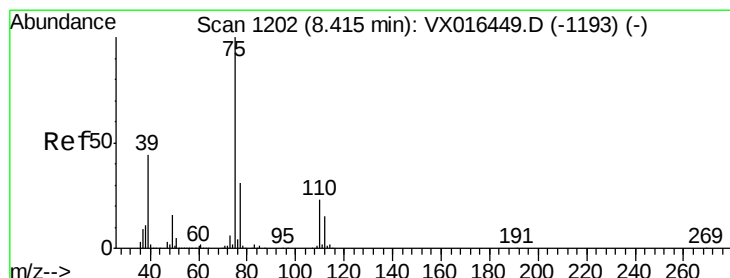
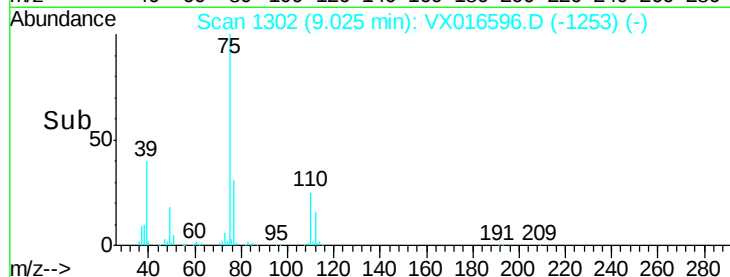
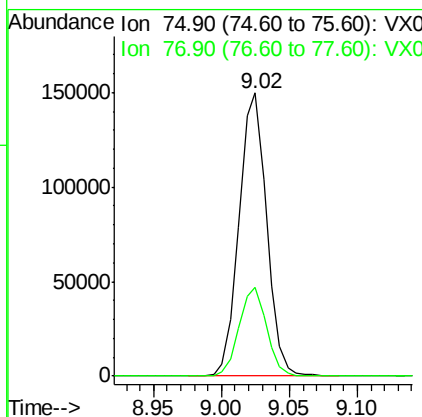
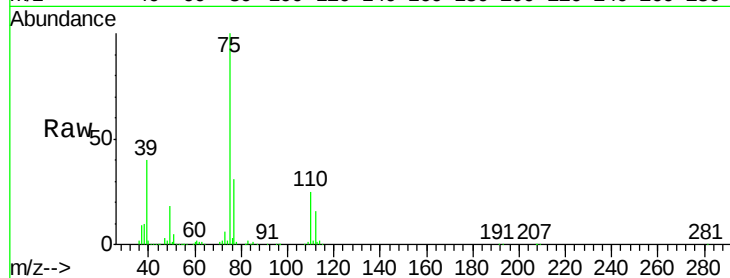
77 31.4 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.291 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

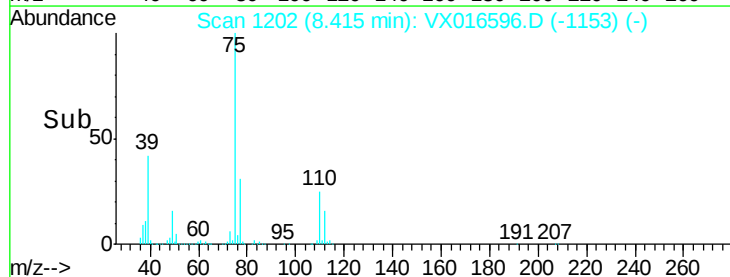
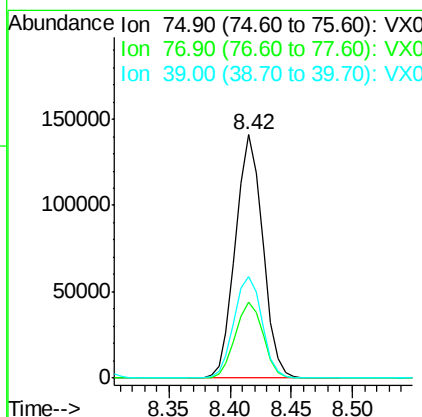
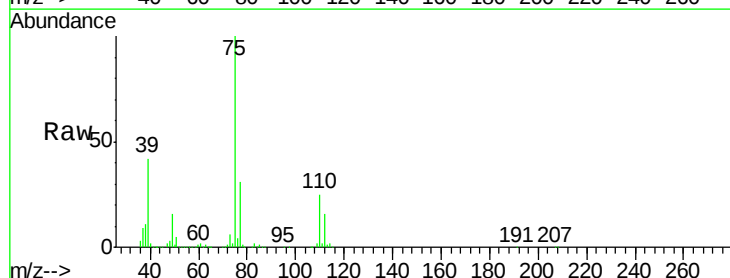
Tgt Ion: 75 Resp: 218507

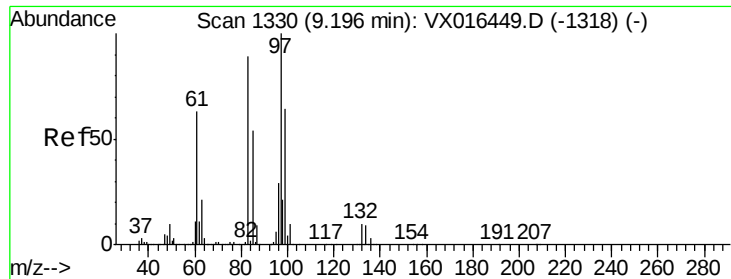
Ion Ratio Lower Upper

75 100

77 31.0 24.6 36.8

39 41.8 35.3 52.9





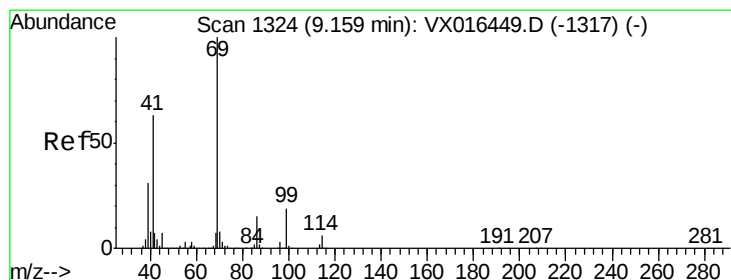
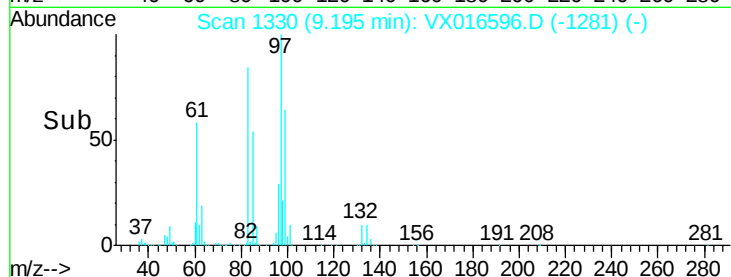
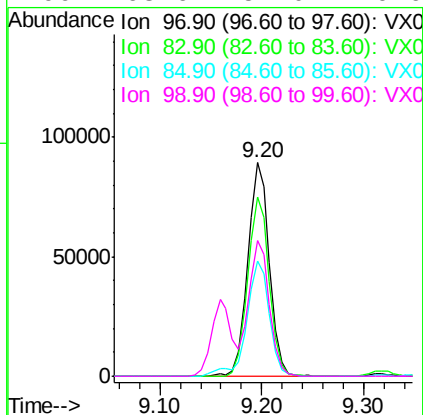
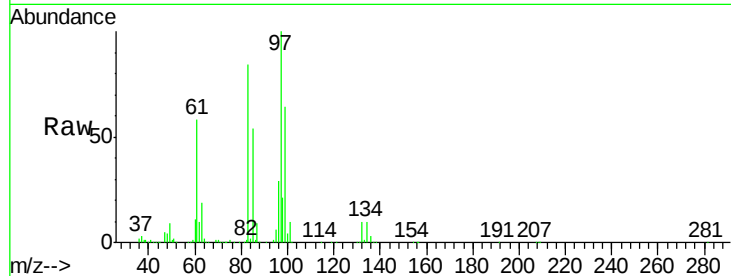
#55
 1,1,2-Trichloroethane
 Concen: 50.290 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	131167
Ion Ratio	Lower	Upper	
97	100		
83	84.1	70.9	106.3
85	54.2	43.4	65.2
99	63.6	51.0	76.6

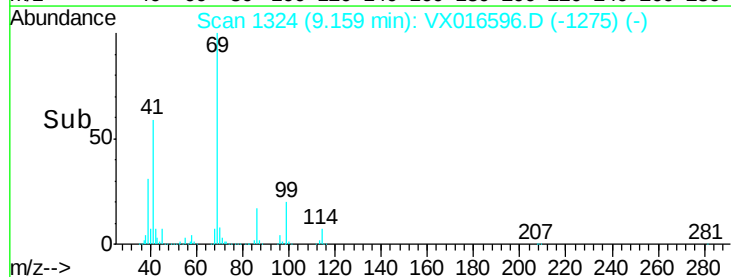
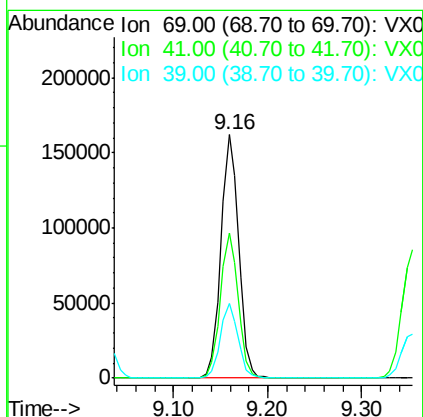
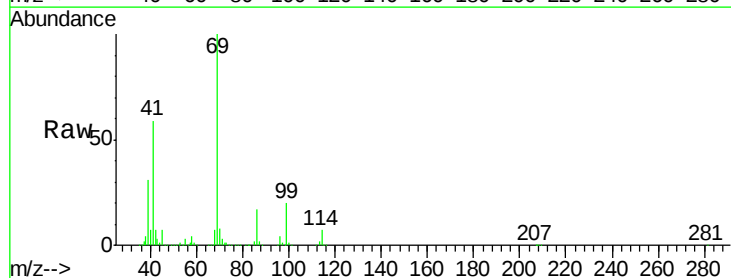
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#56
 Ethyl methacrylate
 Concen: 50.069 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Tgt Ion:	69	Resp:	212687
Ion Ratio	Lower	Upper	
69	100		
41	59.4	50.7	76.1
39	30.5	25.8	38.6





#57

1,3-Dichloropropane

Concen: 49.298 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 220703

Ion Ratio Lower Upper

76 100

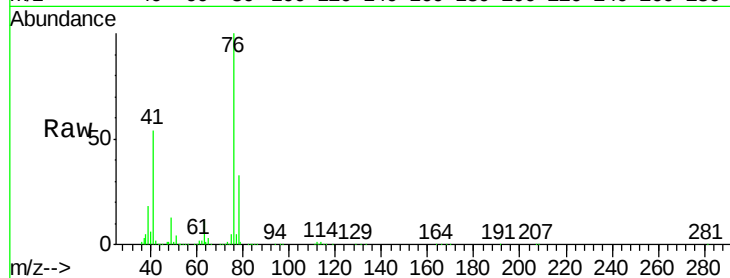
78 32.2 26.2 39.4

Manual Integrations

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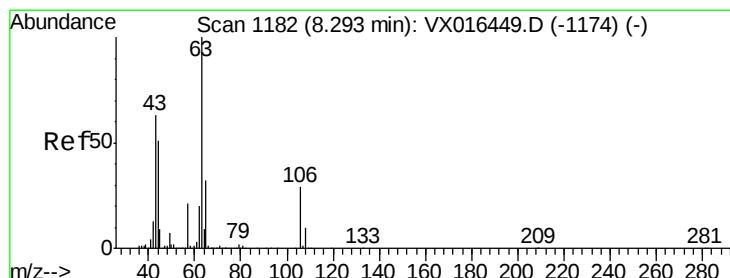
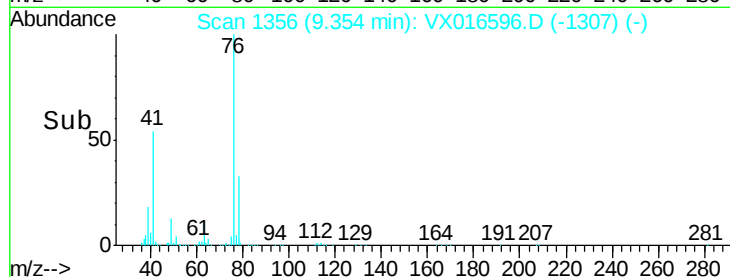
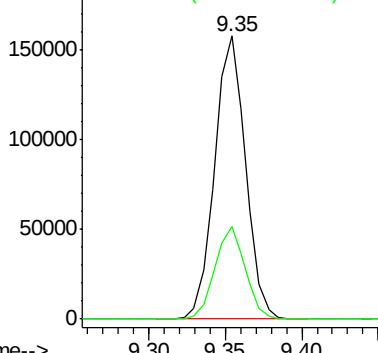
MMDadoda

6/5/2020 10:12:33 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 248.455 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016596.D

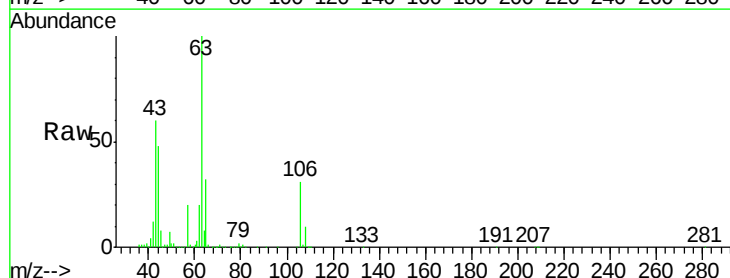
Acq: 04 Jun 2020 20:54

Tgt Ion: 63 Resp: 550876

Ion Ratio Lower Upper

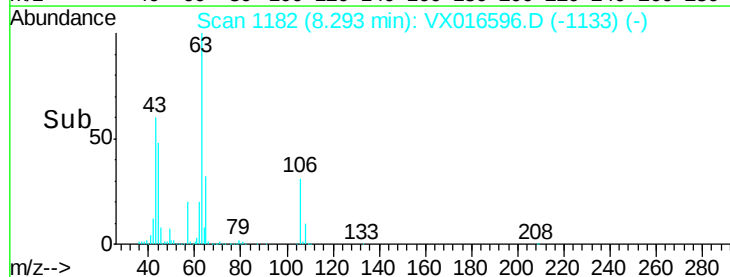
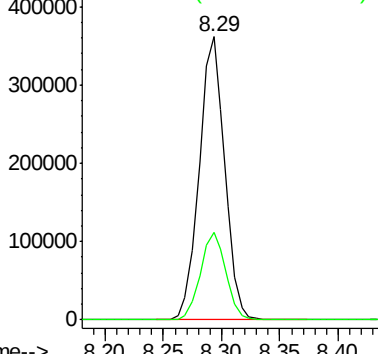
63 100

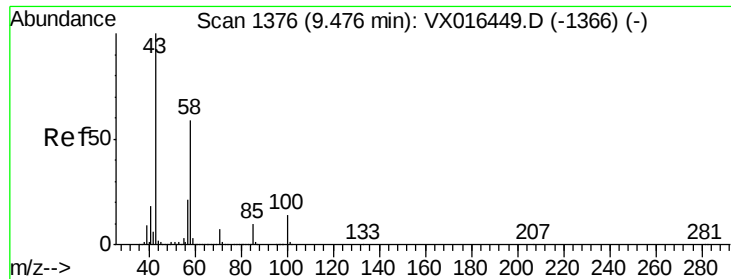
106 30.8 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





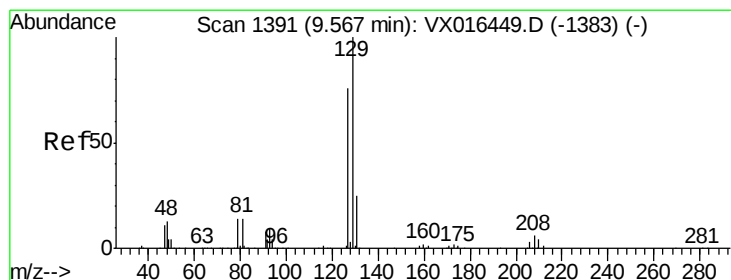
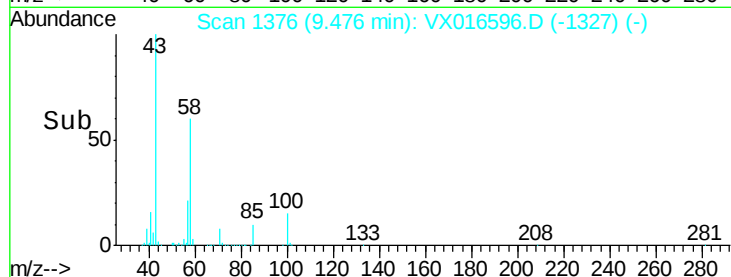
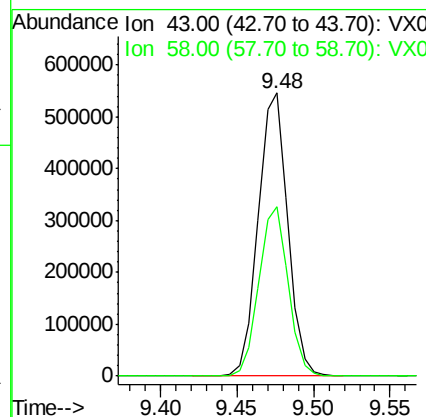
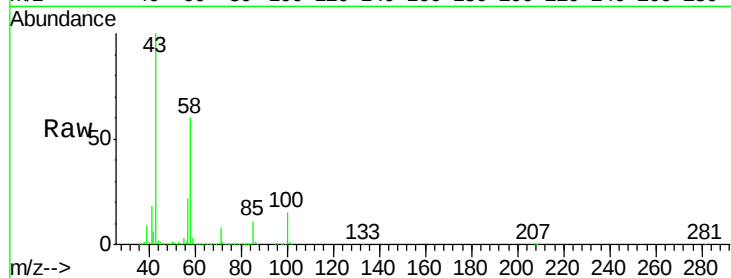
#59
2-Hexanone
Concen: 231.784 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 734216
Ion Ratio Lower Upper
43 100
58 59.5 28.8 86.4

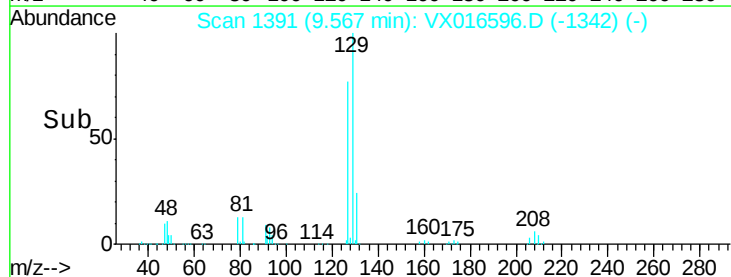
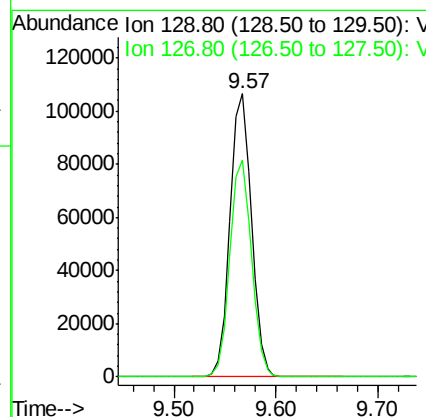
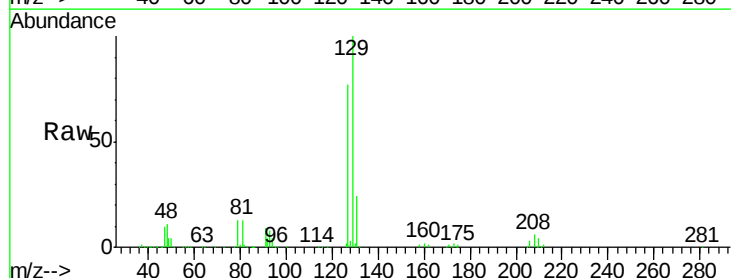
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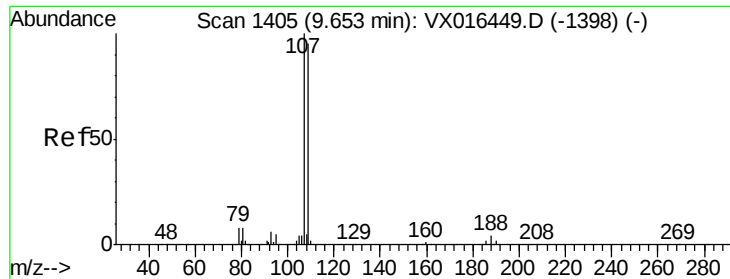
MMDadoda
6/5/2020 10:12:33 AM



#60
Dibromochloromethane
Concen: 52.960 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion: 129 Resp: 155449
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





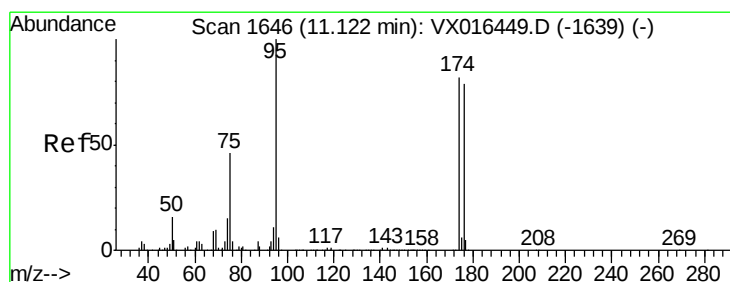
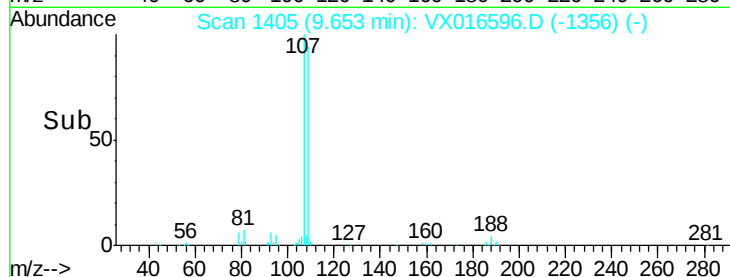
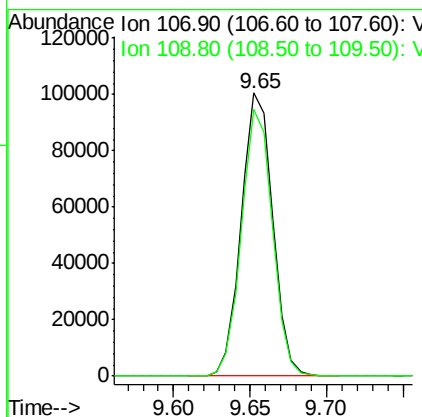
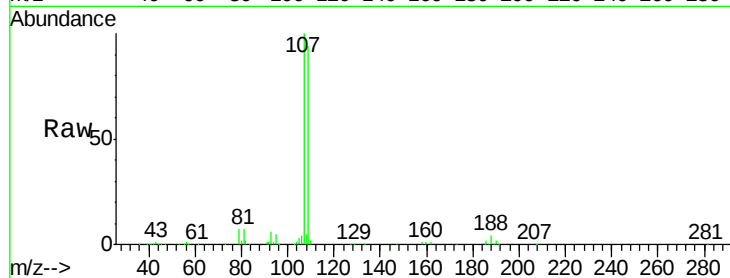
#61
 1,2-Dibromoethane
 Concen: 51.359 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.5	113.3

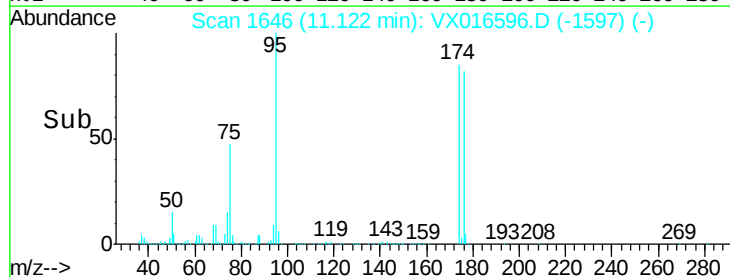
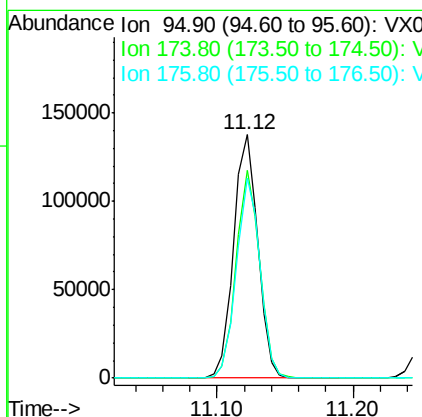
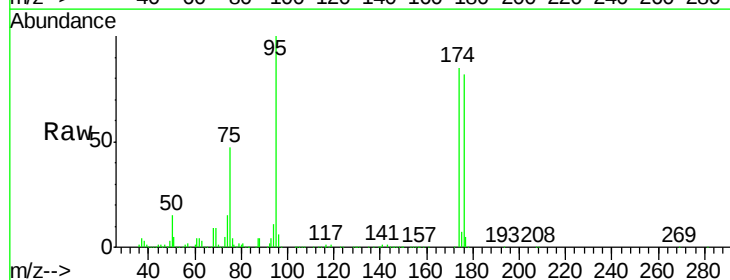
Manual Integrations
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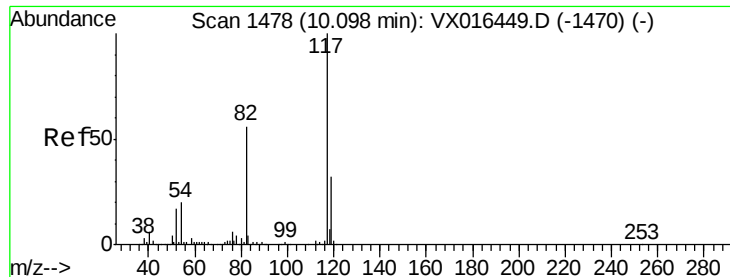
MMDadoda
 6/5/2020 10:12:33 AM



#62
 4-Bromofluorobenzene
 Concen: 49.918 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.6	0.0	163.0
176	80.3	0.0	156.8





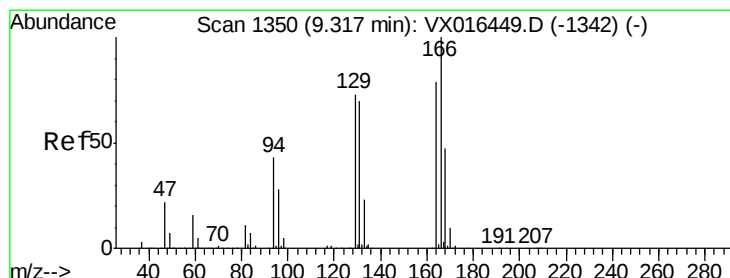
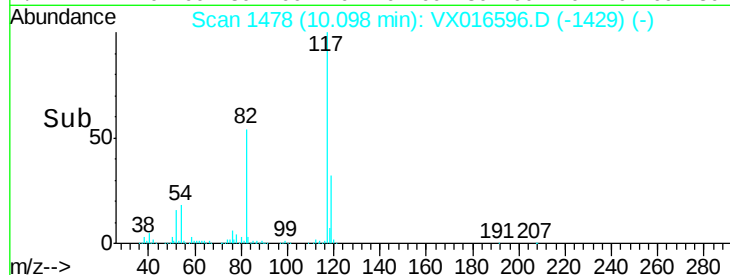
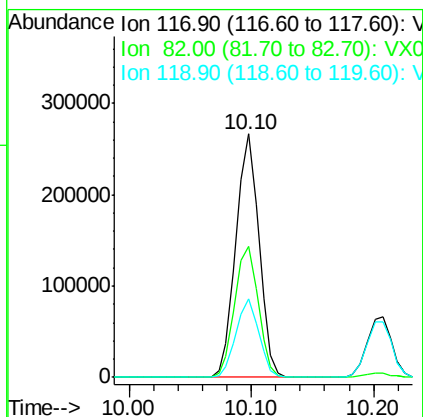
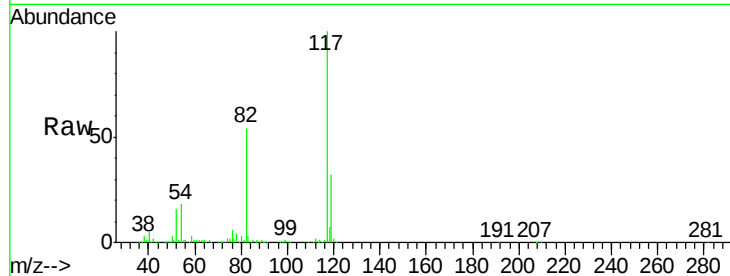
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	348493		
82	54.0	45.0	67.6	
119	32.3	25.8	38.8	

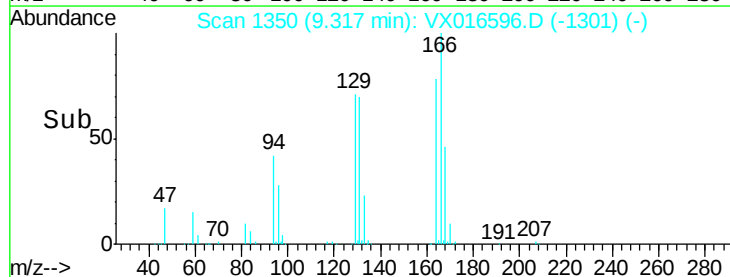
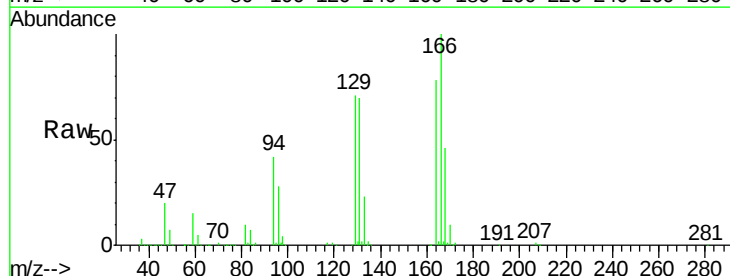
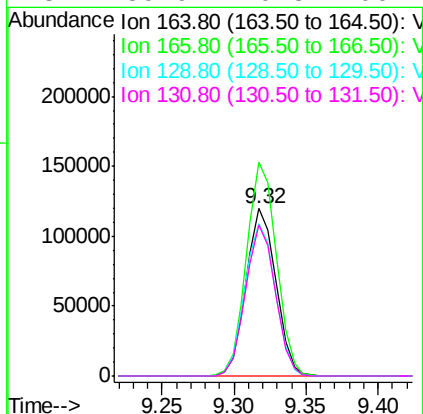
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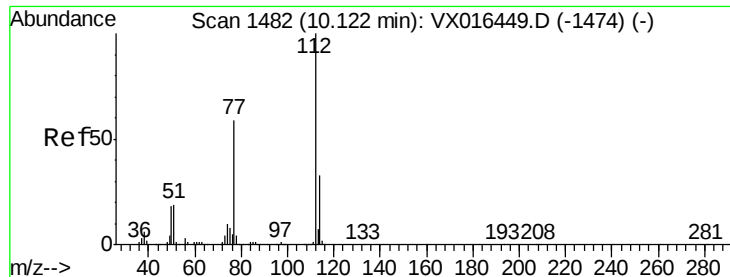
MMDadoda
6/5/2020 10:12:33 AM



#64
Tetrachloroethene
Concen: 43.992 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	171519		
166	127.5	100.9	151.3	
129	91.1	73.2	109.8	
131	89.9	70.8	106.2	





#65

Chlorobenzene

Concen: 50.078 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 355798

Ion Ratio Lower Upper

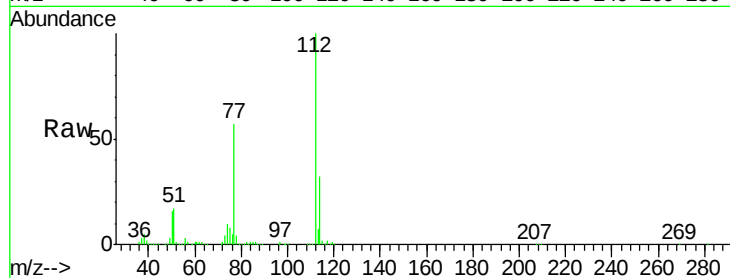
112 100

114 31.9 26.0 39.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

300000

250000

200000

150000

100000

50000

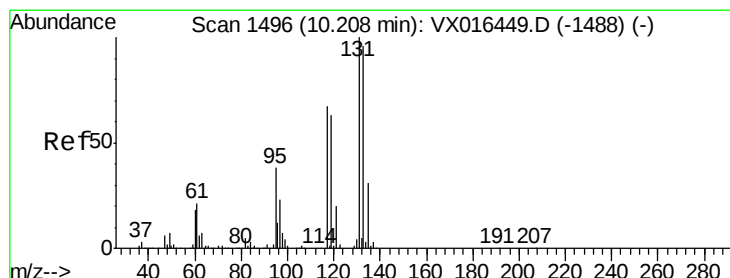
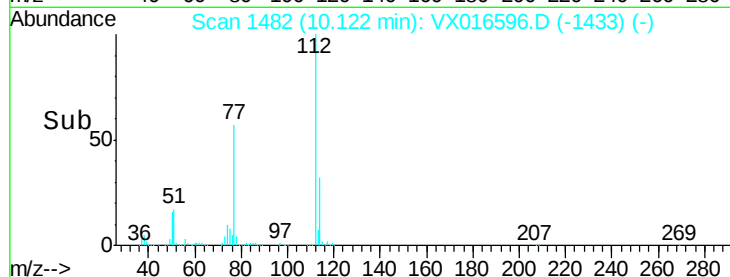
0

10.12

10.10

10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.918 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

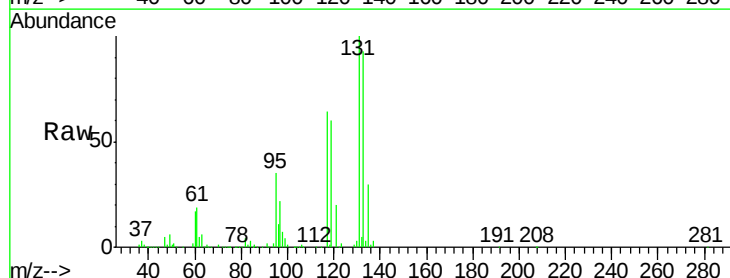
Tgt Ion:131 Resp: 140806

Ion Ratio Lower Upper

131 100

133 95.2 48.4 145.3

119 63.1 32.0 96.2



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

50000

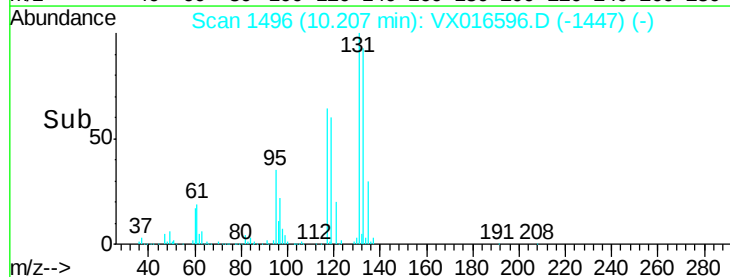
0

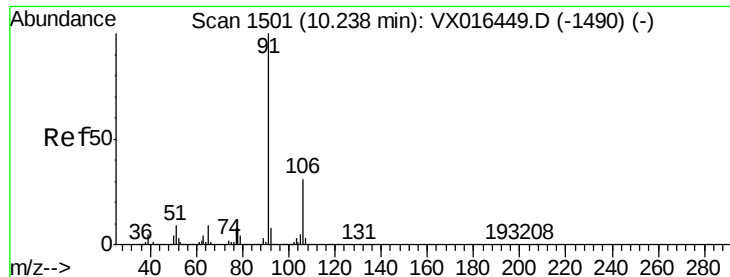
10.21

10.10

10.30

Time-->





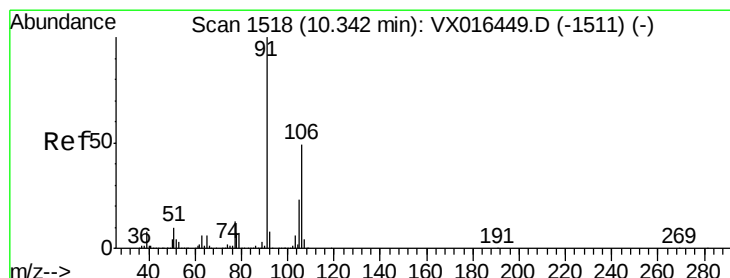
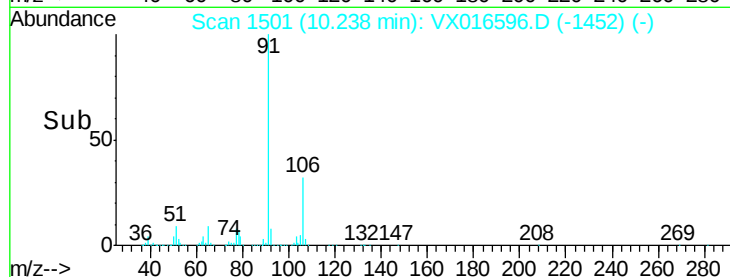
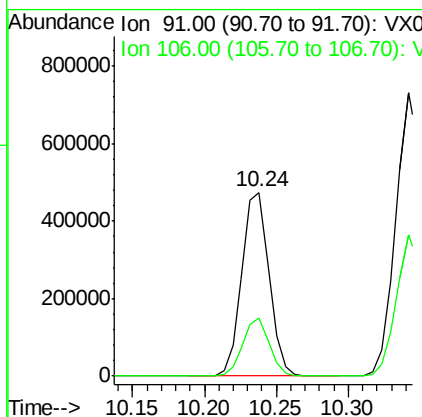
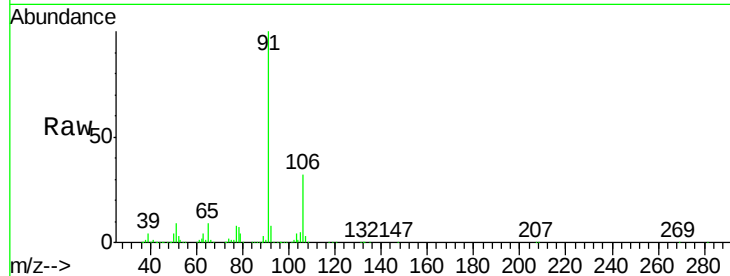
#67
Ethyl Benzene
Concen: 49.252 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 623017
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4

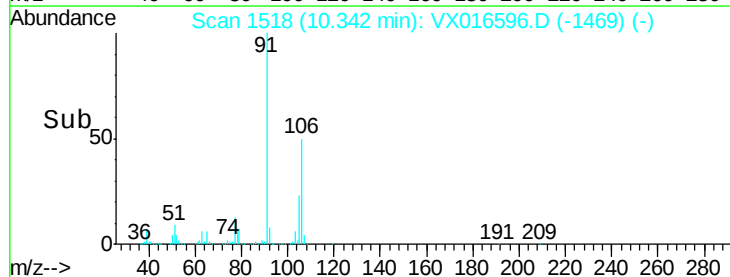
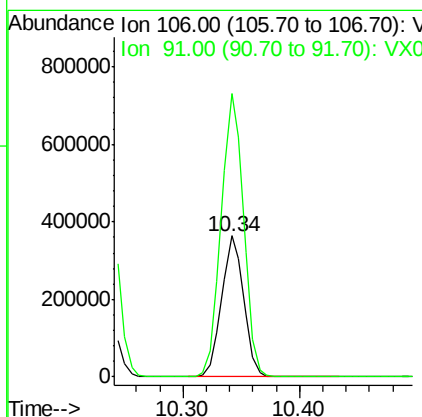
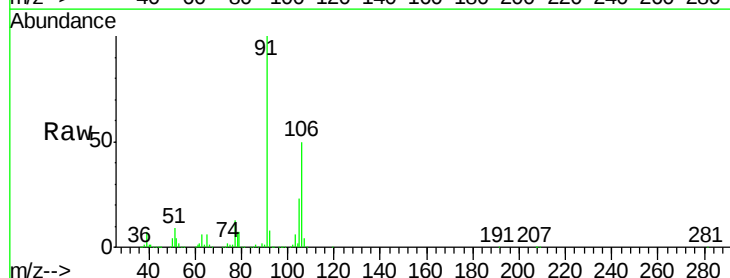
Manual Integrations
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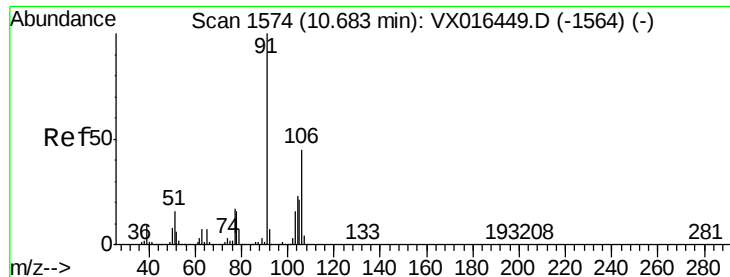
MMDadoda
6/5/2020 10:12:33 AM



#68
m/p-Xylenes
Concen: 101.401 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion: 106 Resp: 475580
Ion Ratio Lower Upper
106 100
91 204.4 163.8 245.8





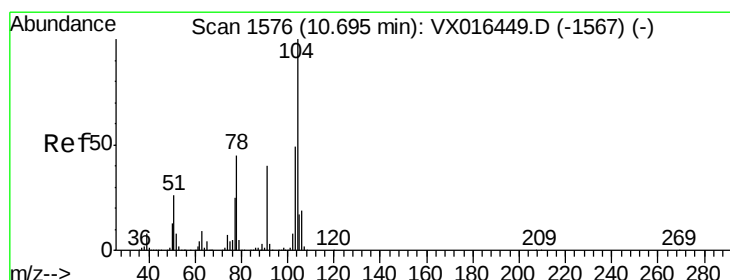
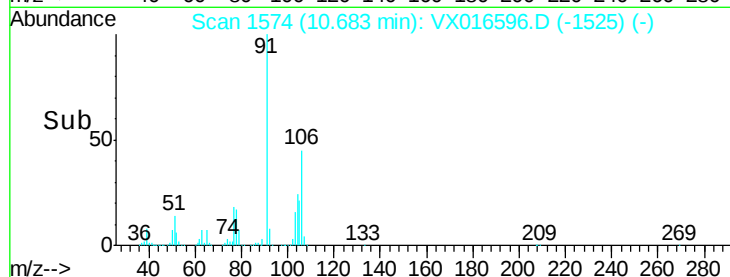
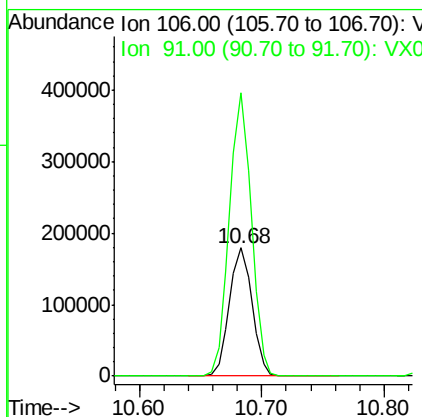
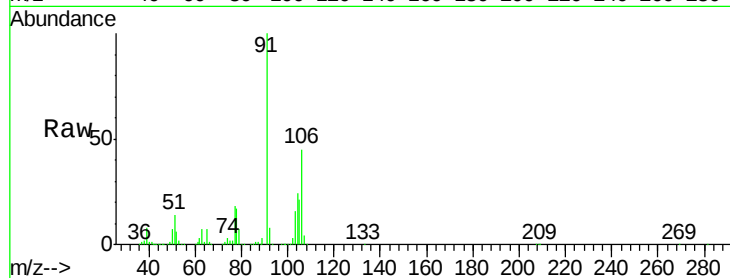
#69
o-Xylene
Concen: 50.390 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 228879
Ion Ratio Lower Upper
106 100
91 214.6 109.6 328.8

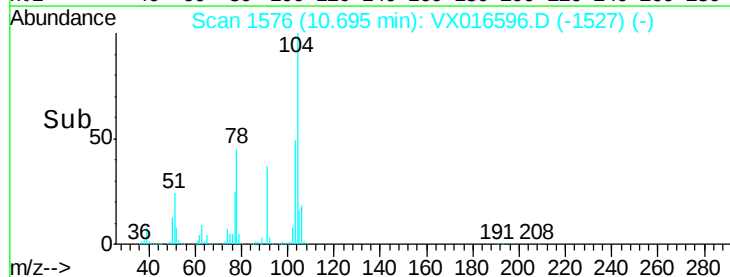
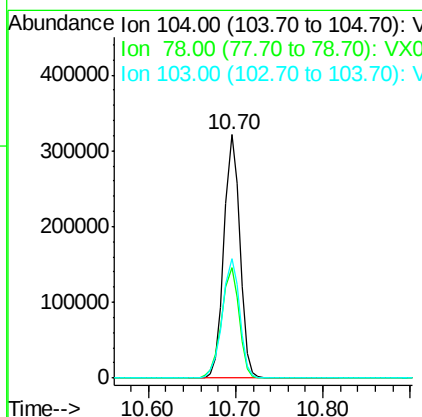
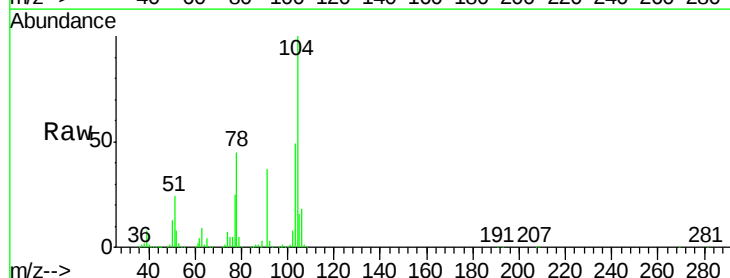
Manual Integrations
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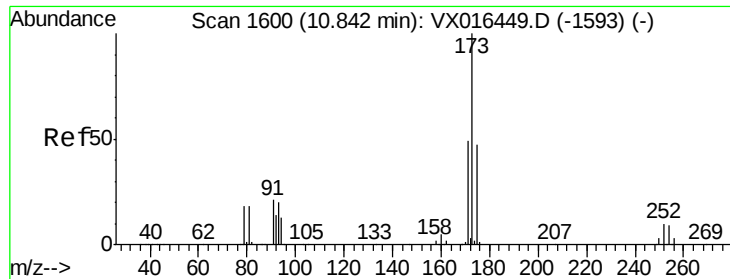
MMDadoda
6/5/2020 10:12:33 AM



#70
Styrene
Concen: 51.707 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion:104 Resp: 403693
Ion Ratio Lower Upper
104 100
78 49.8 40.2 60.2
103 53.3 43.1 64.7





#71

Bromoform

Concen: 54.644 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 125249

Ion Ratio Lower Upper

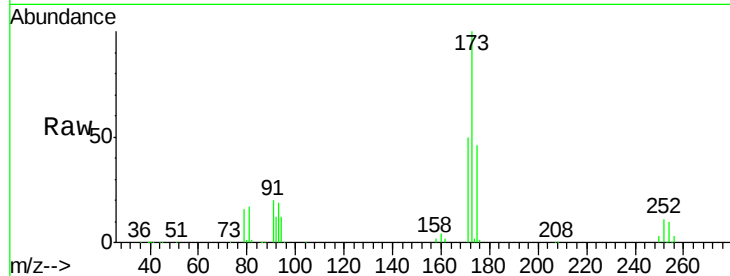
173 100

175 47.2 23.9 71.7

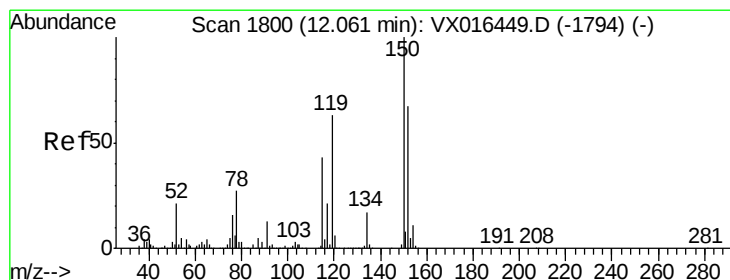
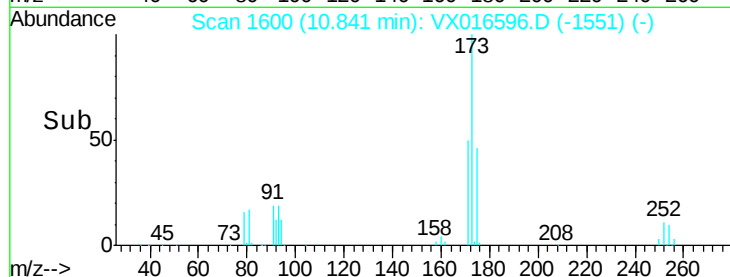
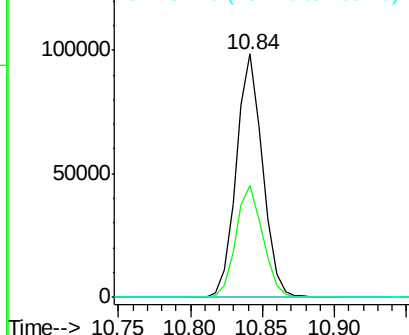
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

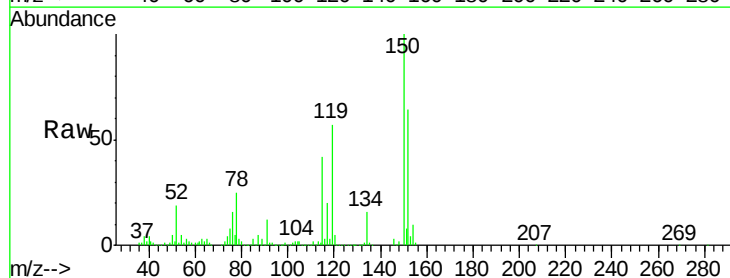
Tgt Ion:152 Resp: 177249

Ion Ratio Lower Upper

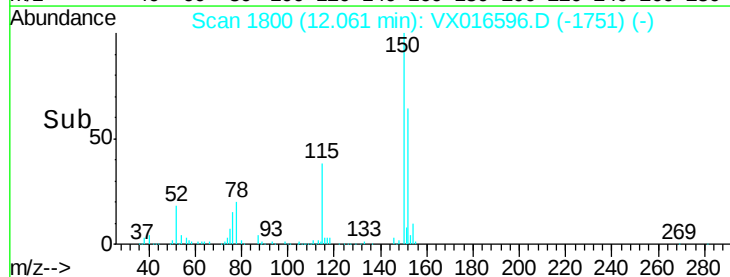
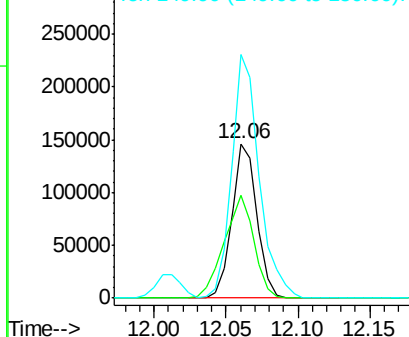
152 100

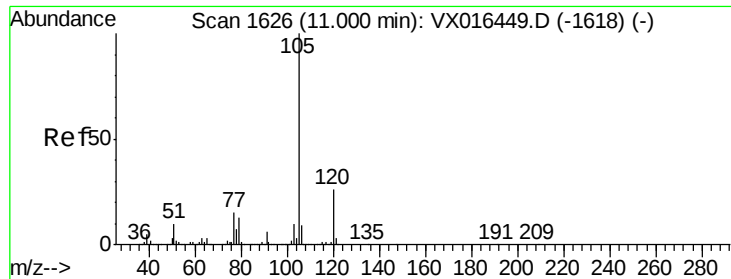
115 79.2 39.9 119.6

150 174.3 0.0 341.0



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





#73

Isopropylbenzene

Concen: 49.634 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 609568

Ion Ratio Lower Upper

105 100

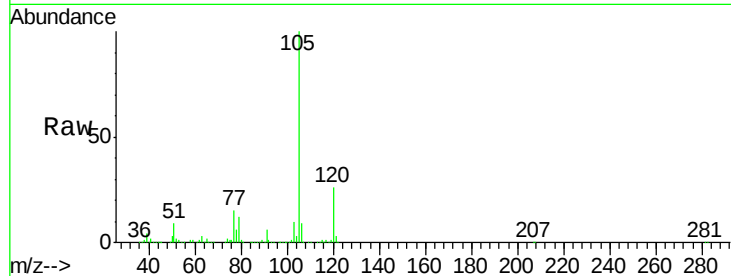
120 26.0 13.1 39.3

Manual Integrations

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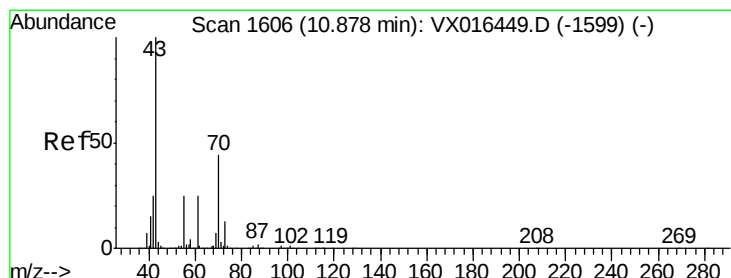
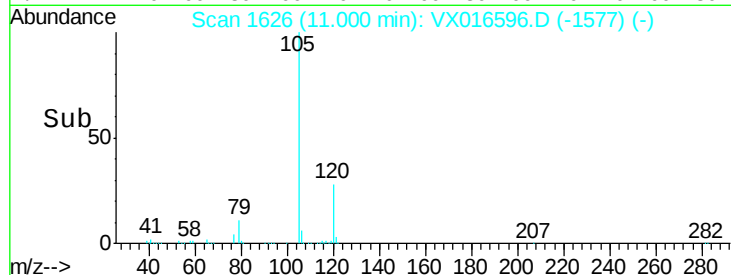
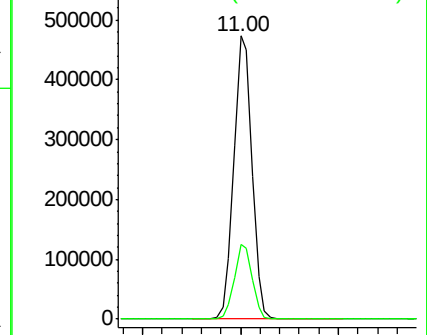
MMDadoda

6/5/2020 10:12:33 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.050 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Tgt Ion: 43 Resp: 254490

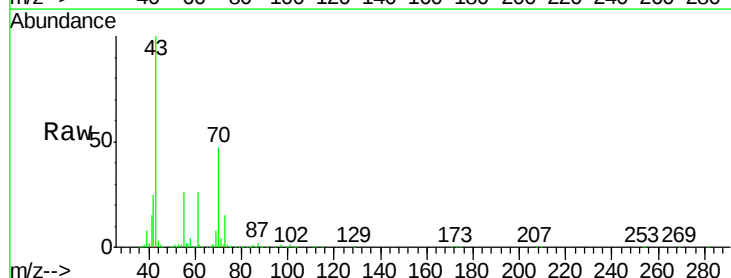
Ion Ratio Lower Upper

43 100

70 48.5 36.1 54.1

55 26.7 20.2 30.4

61 26.8 20.3 30.5

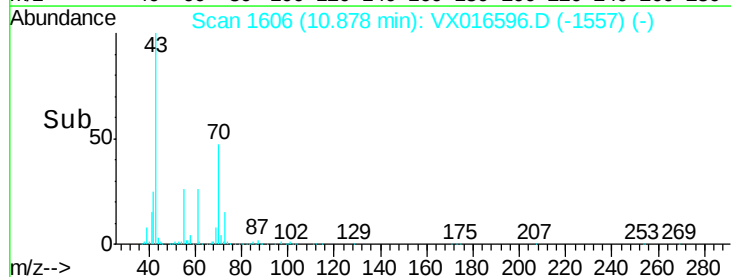
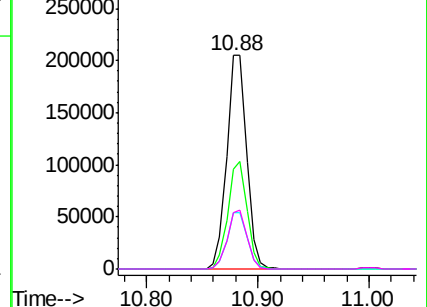


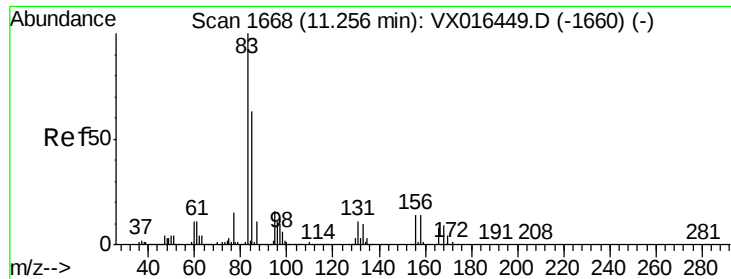
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.820 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

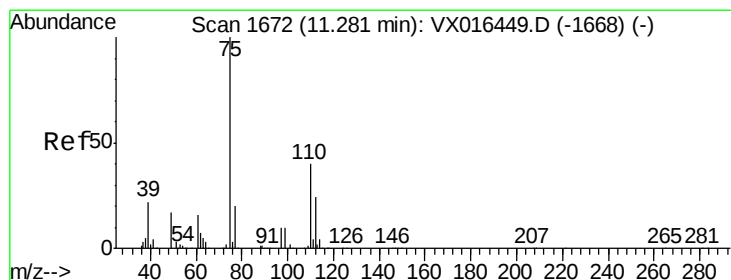
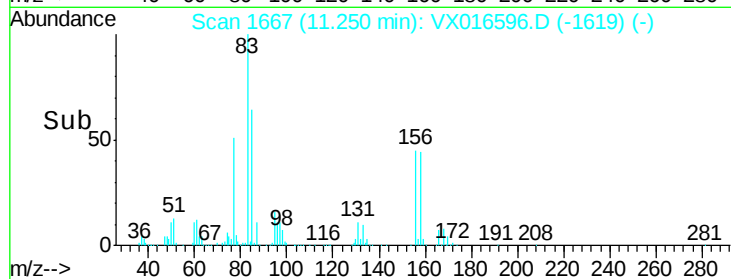
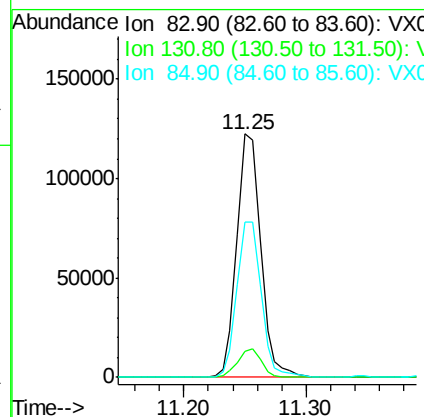
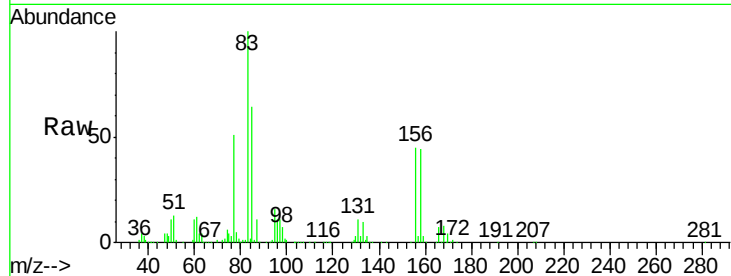
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	165653
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.1	15.3
85	65.1	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 48.266 ug/l m

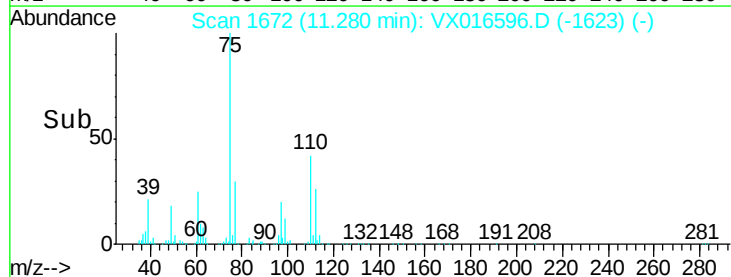
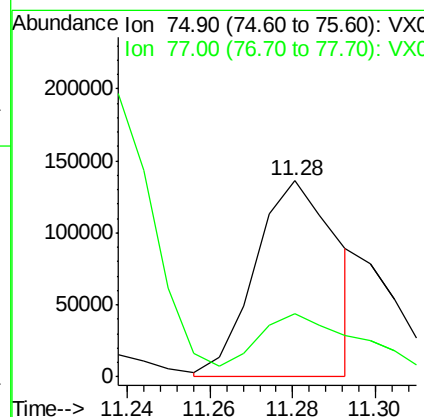
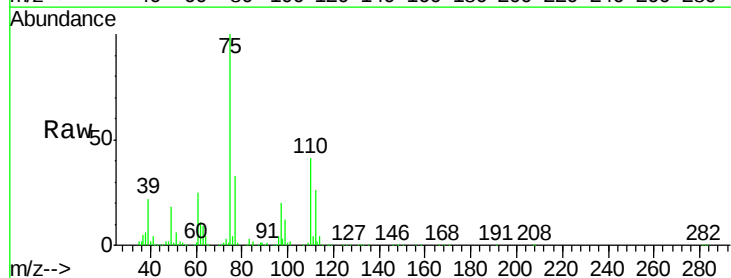
RT: 11.28 min Scan# 1672

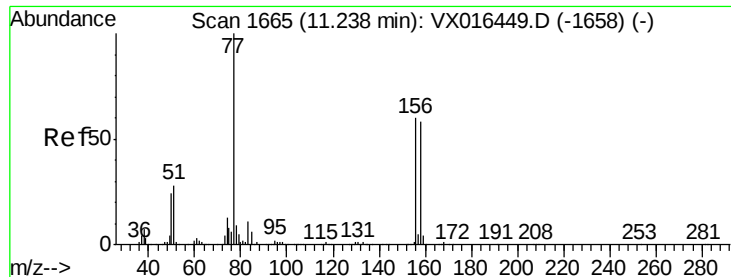
Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Tgt Ion:	75	Resp:	188046
Ion Ratio	Lower	Upper	
75	100		
77	41.7	21.3	63.7





#77

Bromobenzene

Concen: 50.030 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

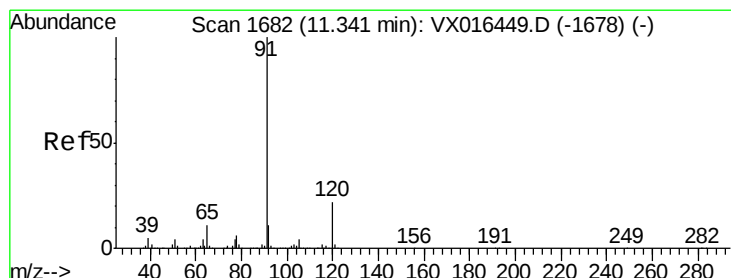
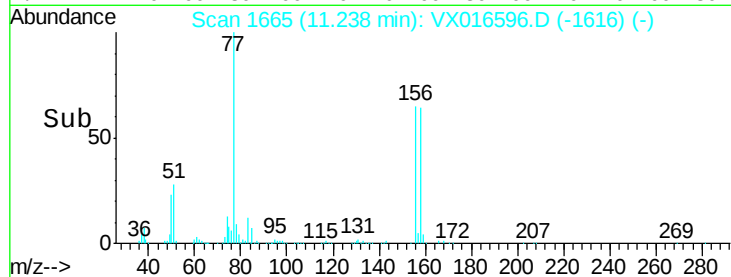
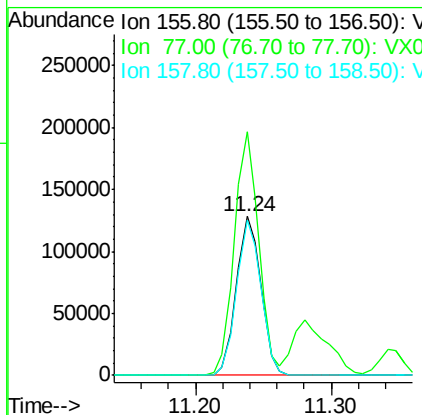
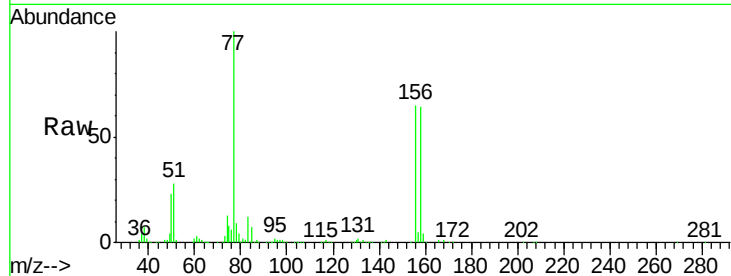
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	161153
Ion Ratio	Lower	Upper	
156	100		
77	152.1	79.6	238.8
158	96.9	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 49.524 ug/l

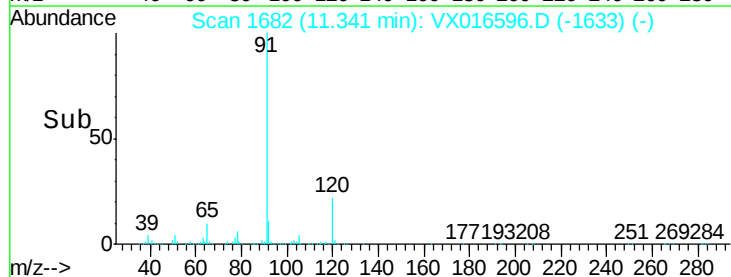
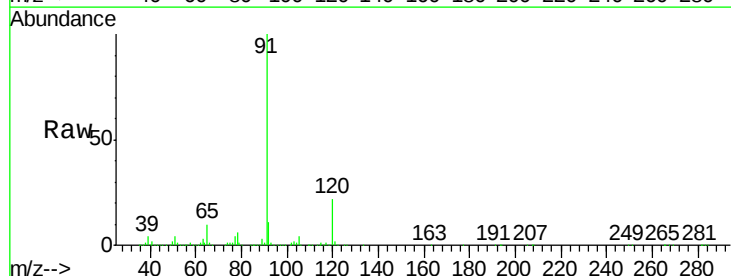
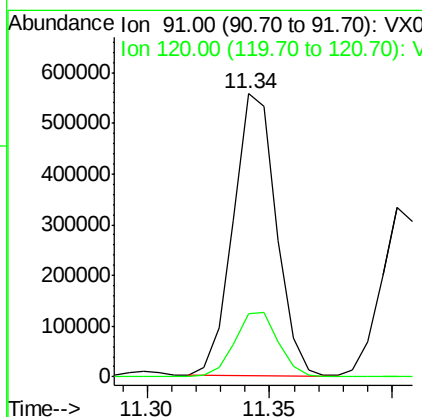
RT: 11.34 min Scan# 1682

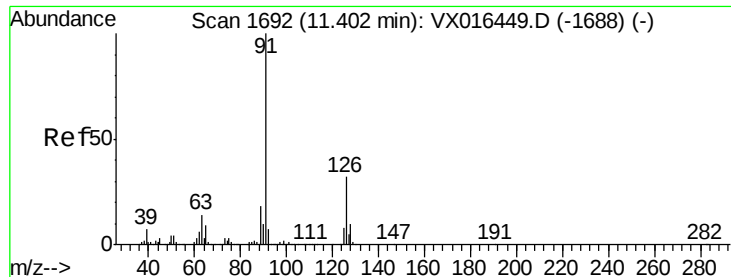
Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Tgt Ion:	91	Resp:	679513
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.6	34.7





#79

2-Chlorotoluene

Concen: 49.344 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 413261

Ion Ratio Lower Upper

91 100

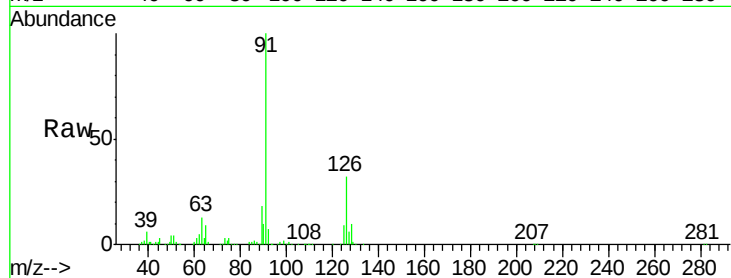
126 33.8 16.8 50.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX016449.D (-1688) (-)

Ion 125.90 (125.60 to 126.60): VX016449.D (-1688) (-)

600000

500000

400000

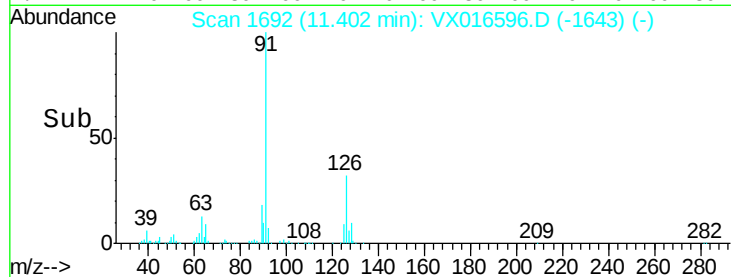
300000

200000

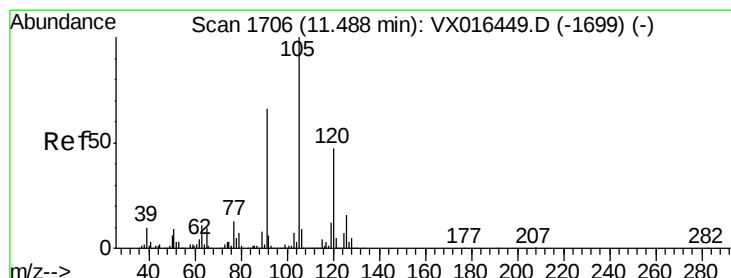
100000

0

11.35 11.40 11.45



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.476 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX016596.D

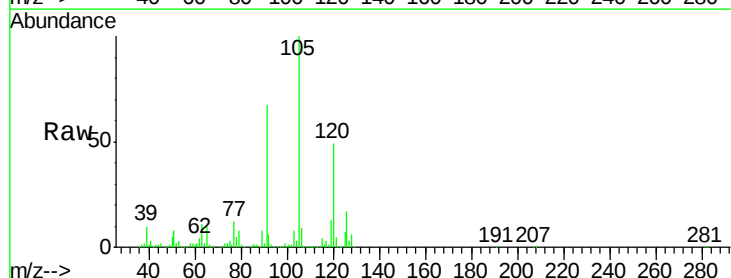
Acq: 04 Jun 2020 20:54

Tgt Ion: 105 Resp: 517618

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX016449.D (-1699) (-)

Ion 120.00 (119.70 to 120.70): VX016449.D (-1699) (-)

500000

400000

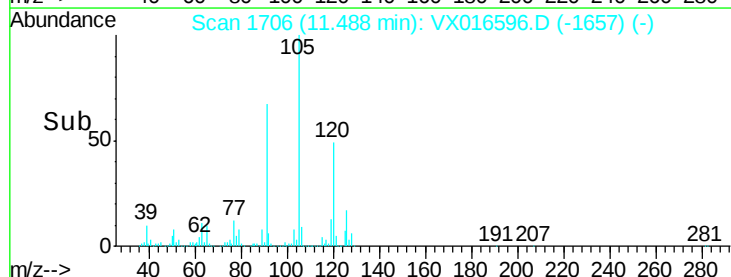
300000

200000

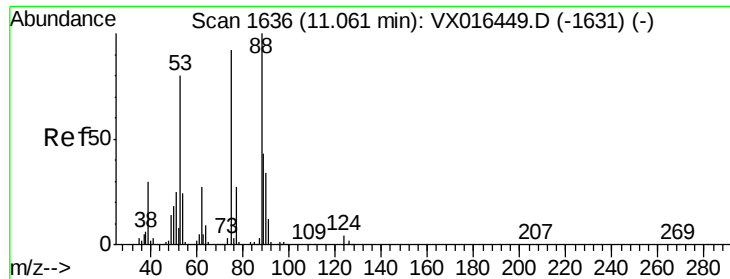
100000

0

11.40 11.50 11.60



Time-->



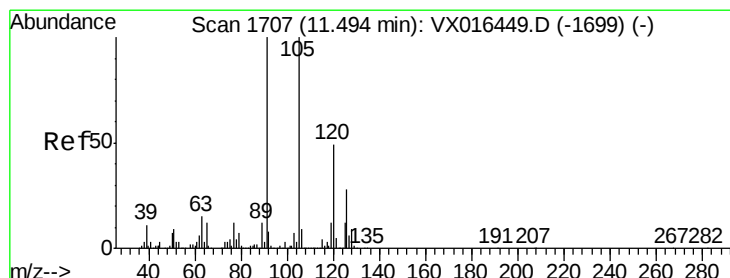
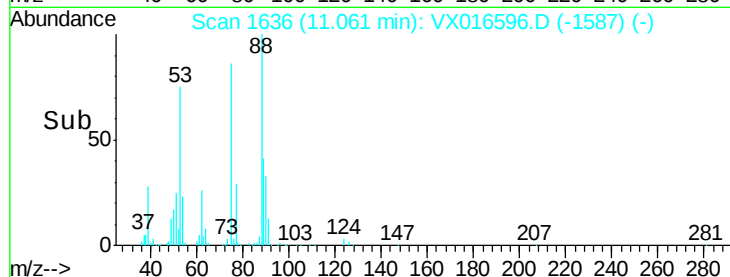
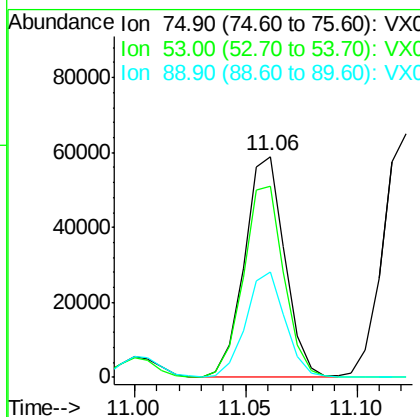
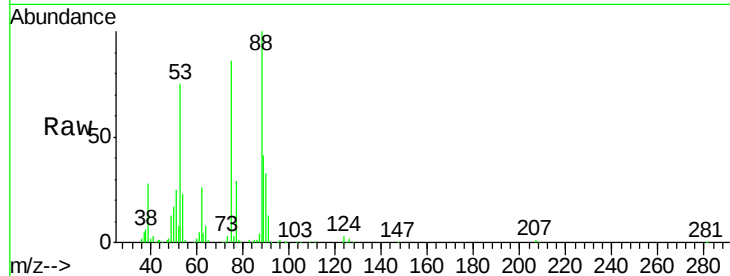
#81
trans-1,4-Dichloro-2-butene
Concen: 46.715 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.3	71.3	106.9
89	46.7	36.6	55.0

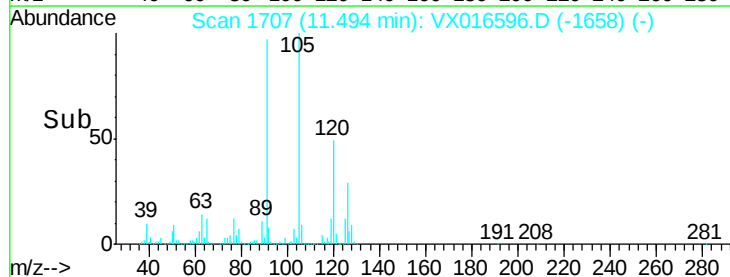
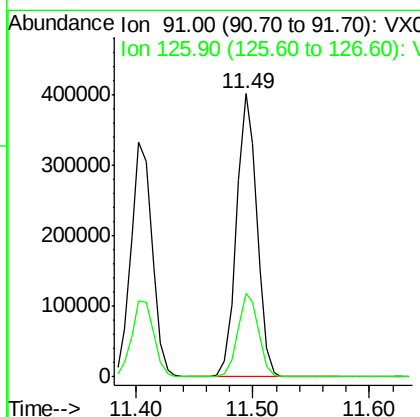
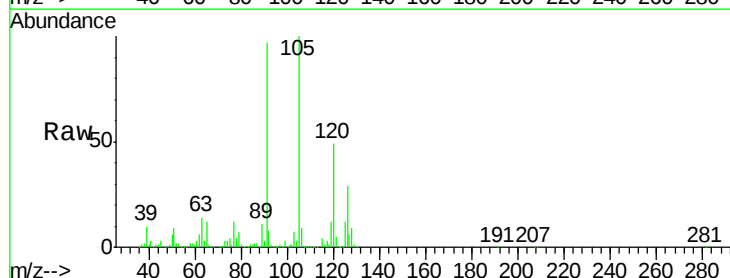
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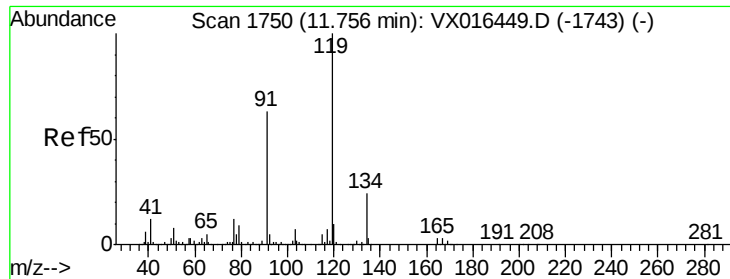
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#82
4-Chlorotoluene
Concen: 49.748 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.7	44.1





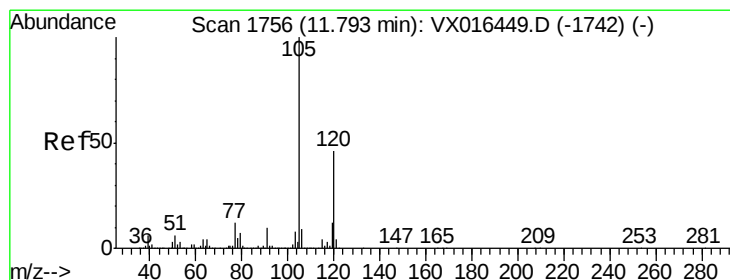
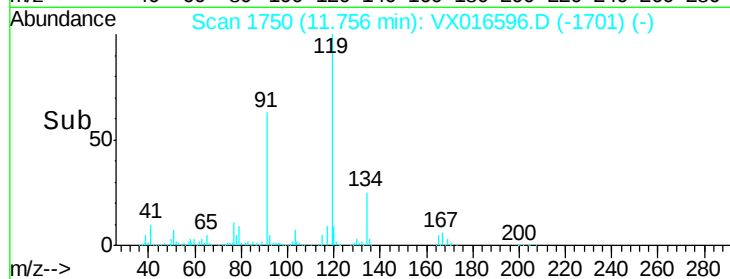
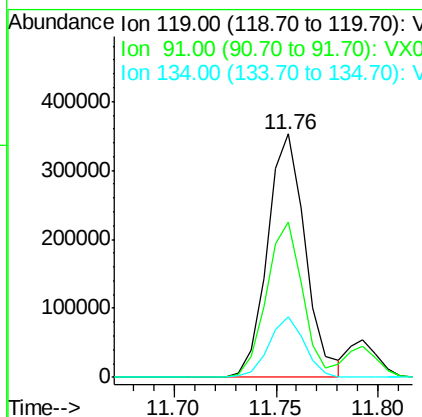
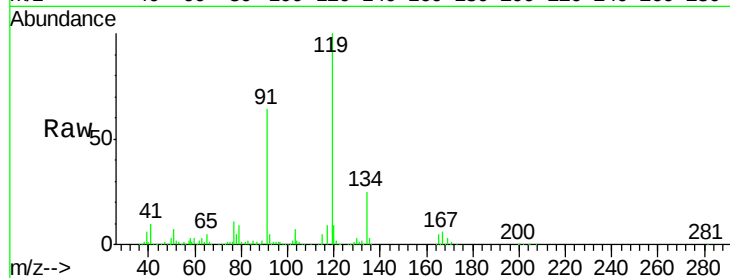
#83
tert-Butylbenzene
Concen: 52.097 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	31.3	93.8
134	23.4	12.0	36.0

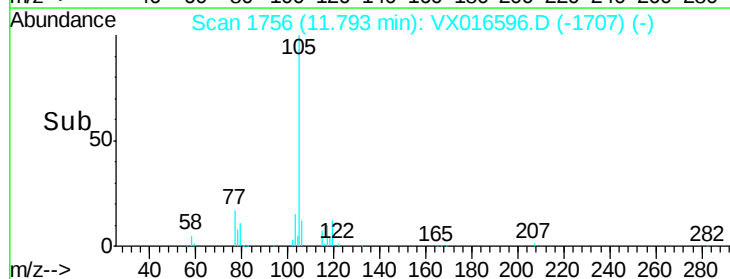
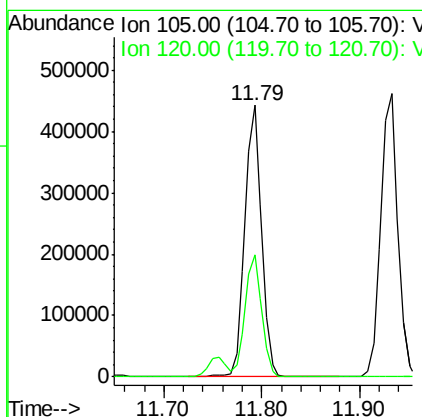
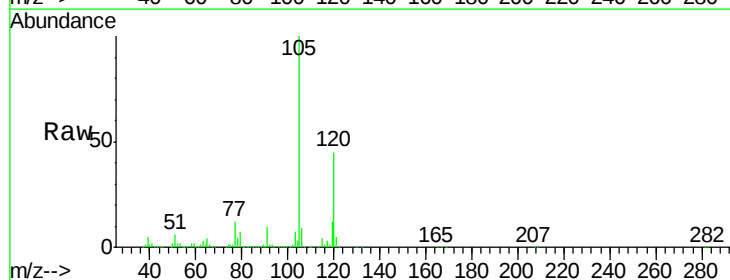
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#84
1,2,4-Trimethylbenzene
Concen: 50.534 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.6	67.7





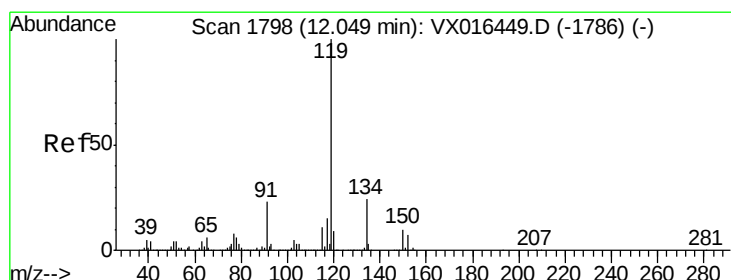
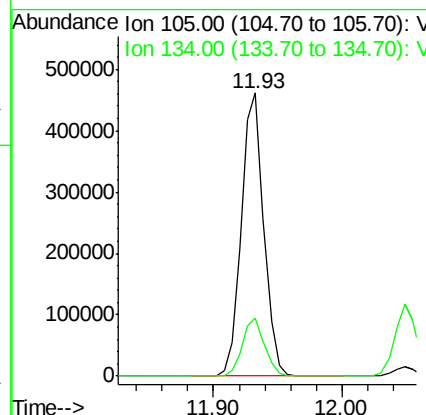
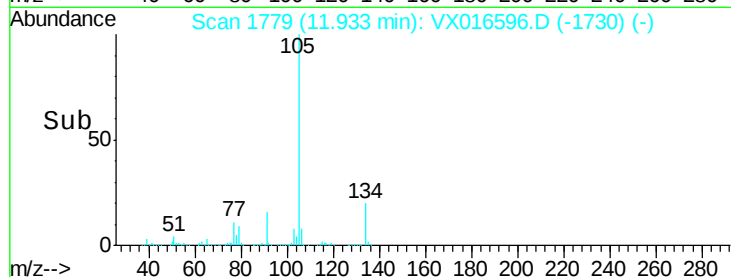
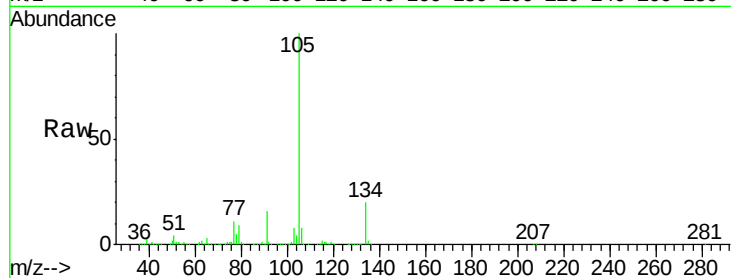
#85
 sec-Butylbenzene
 Concen: 50.567 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.3

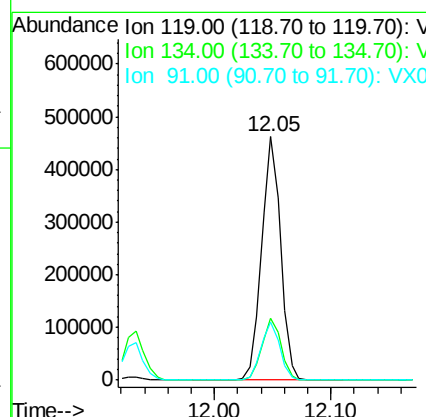
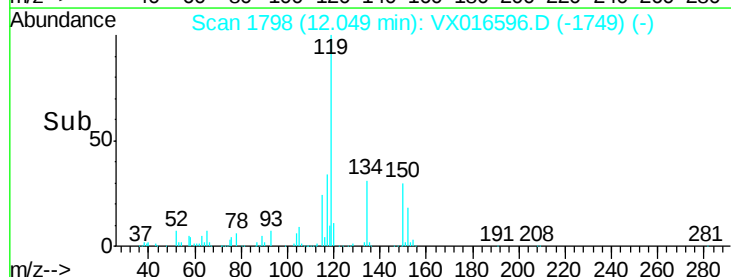
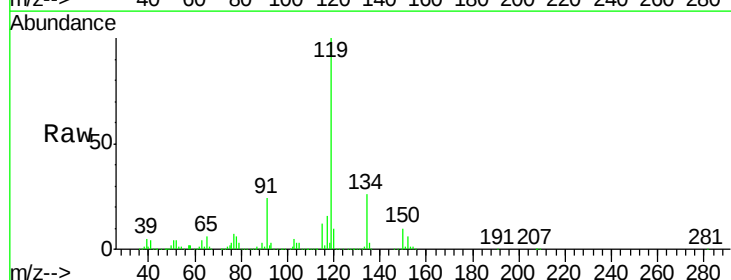
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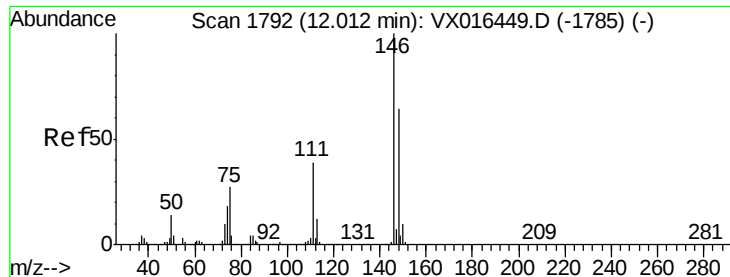
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 6/5/2020 10:12:33 AM



#86
 p-Isopropyltoluene
 Concen: 51.150 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.7	38.0
91	23.5	11.7	35.0





#87

1,3-Dichlorobenzene

Concen: 49.732 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Instrument :

MSVOA_X

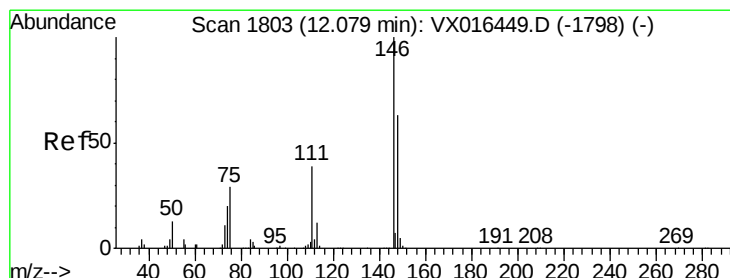
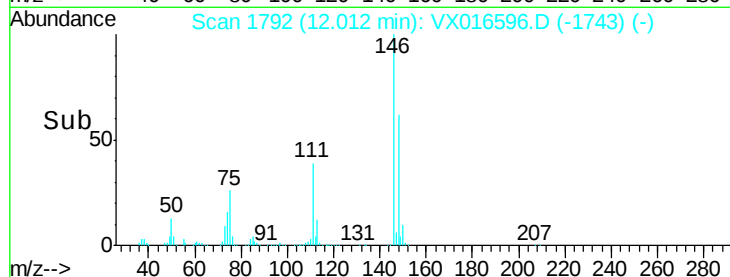
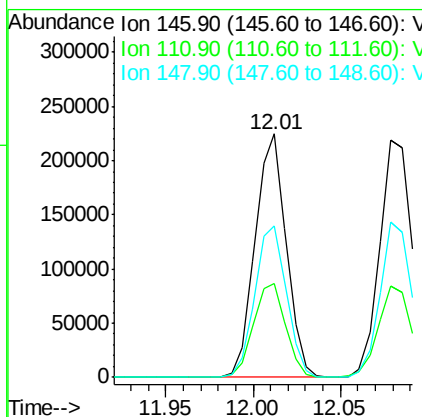
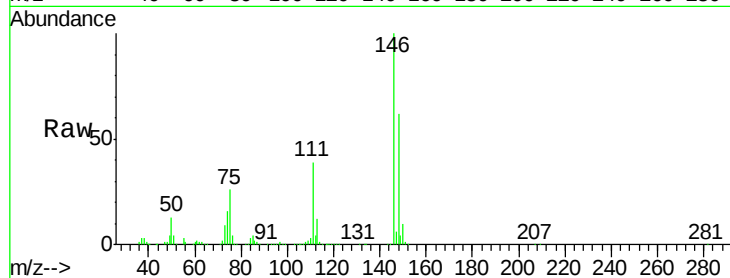
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	277534
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.0	60.0
148	63.6	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.208 ug/l

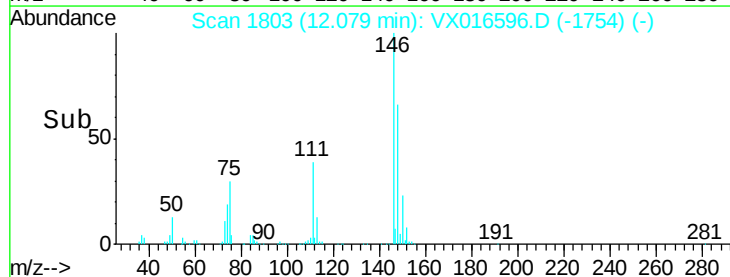
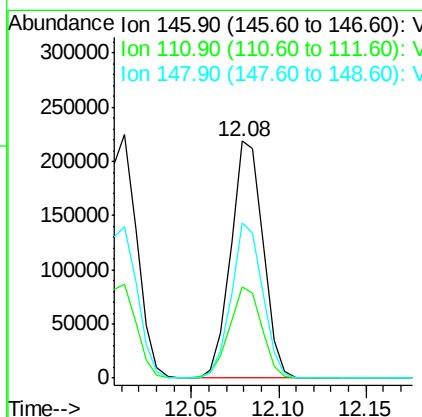
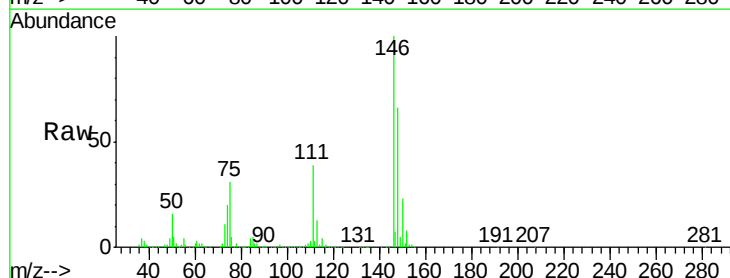
RT: 12.08 min Scan# 1803

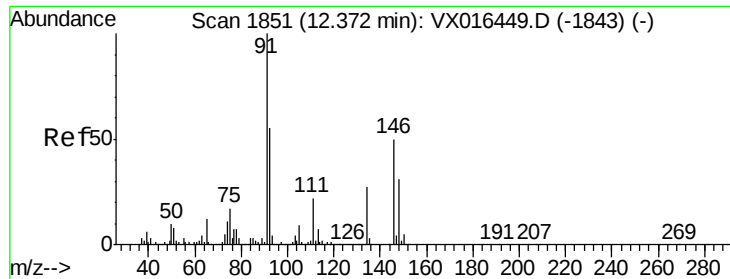
Delta R.T. -0.00 min

Lab File: VX016596.D

Acq: 04 Jun 2020 20:54

Tgt Ion:	146	Resp:	280857
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.4	58.2
148	63.8	31.4	94.3





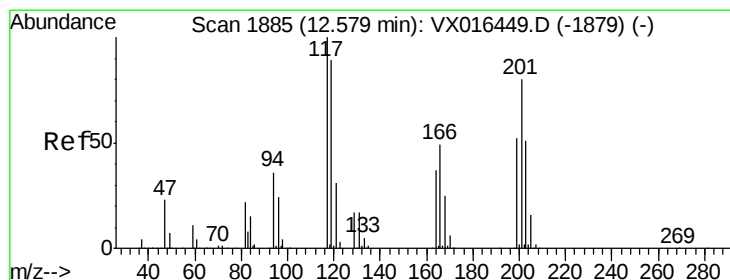
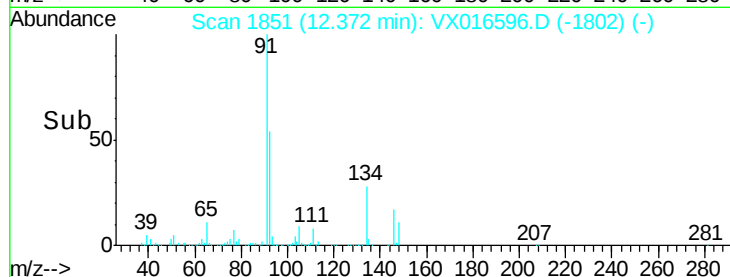
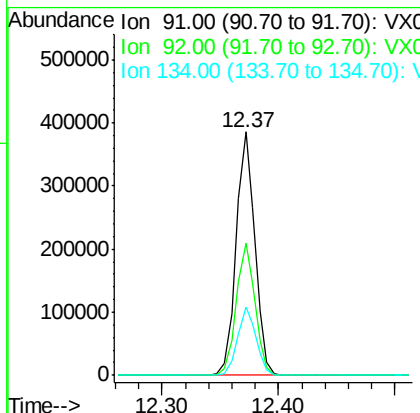
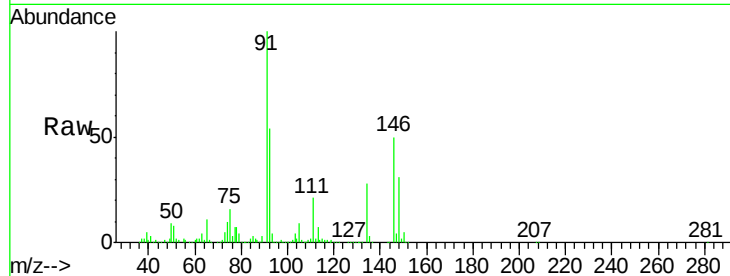
#89
n-Butylbenzene
Concen: 50.386 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.5
134	27.4	13.1	39.3

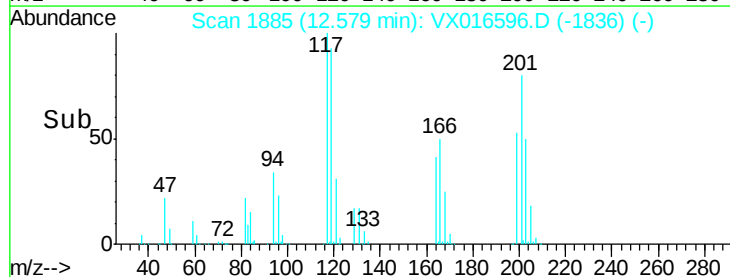
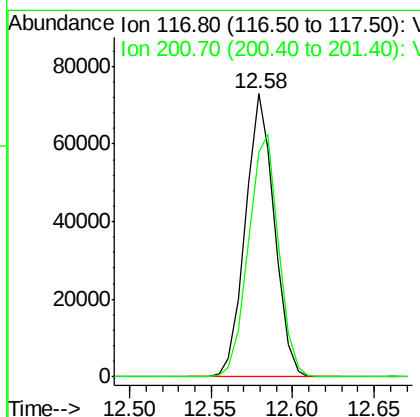
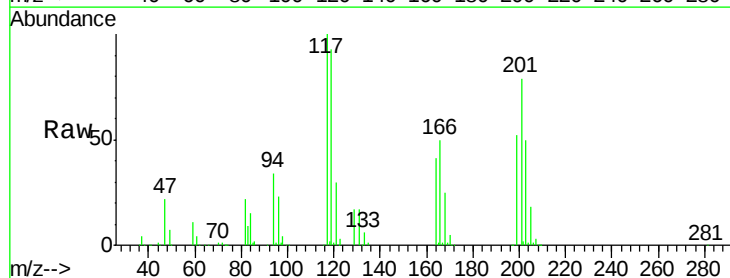
Manual Integrations
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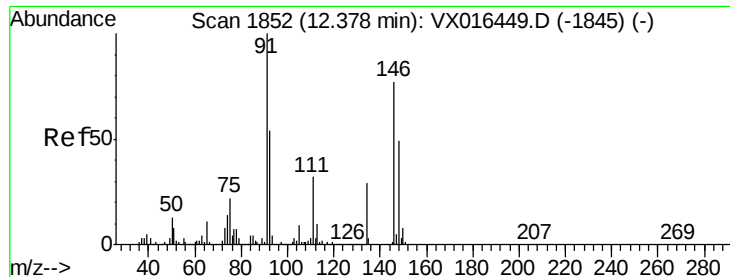
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#90
Hexachloroethane
Concen: 50.823 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.7	43.1	129.3





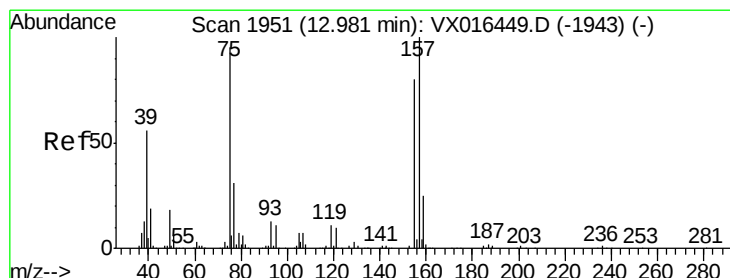
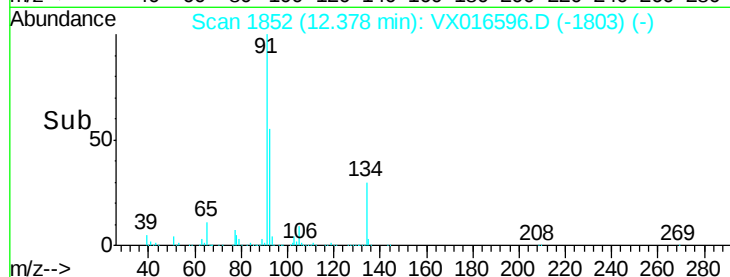
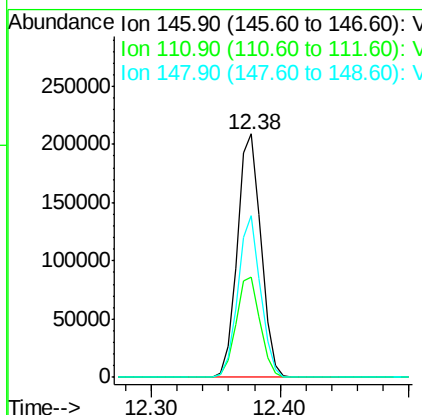
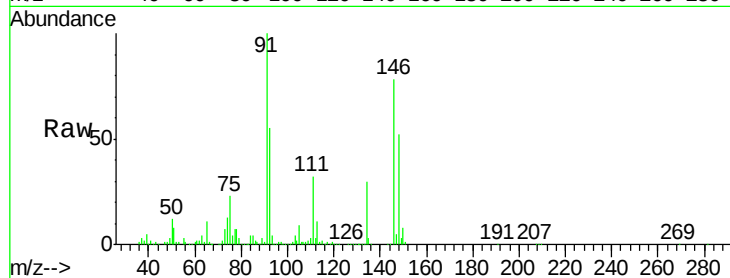
#91
 1,2-Dichlorobenzene
 Concen: 49.209 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.4	64.3
148	63.3	31.9	95.7

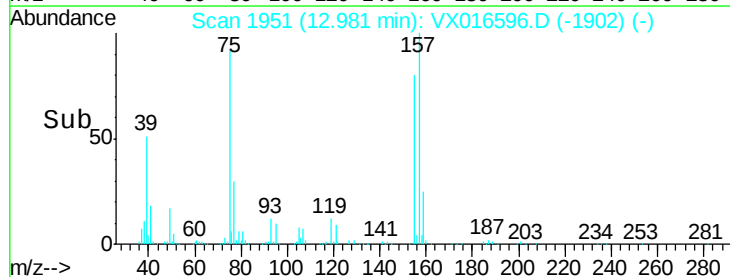
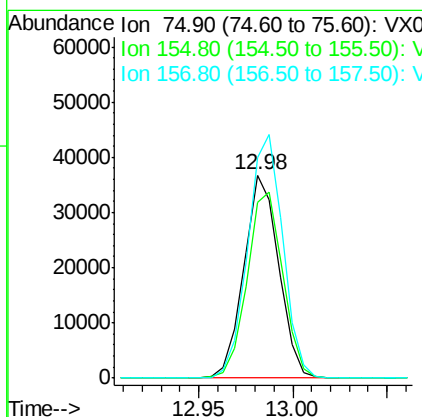
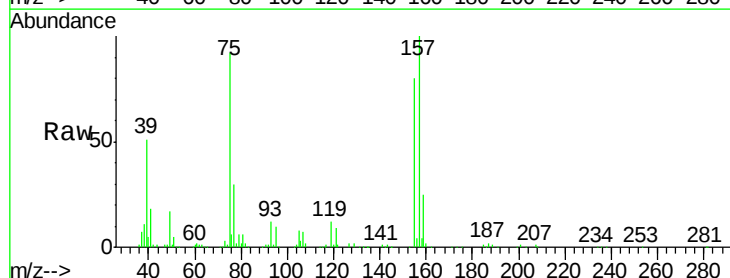
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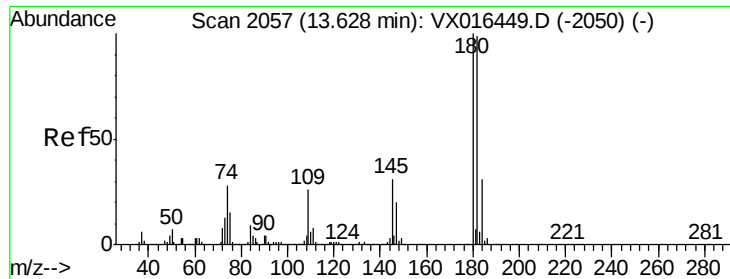
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.152 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	44.1	132.4
157	120.8	57.8	173.3





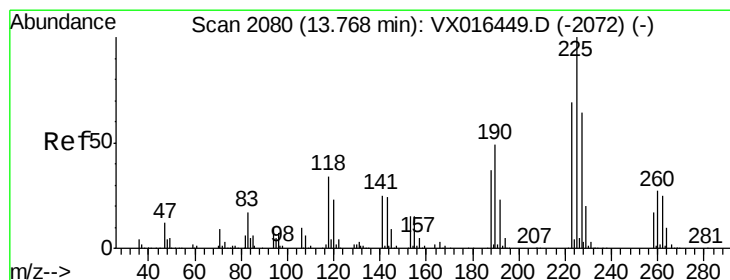
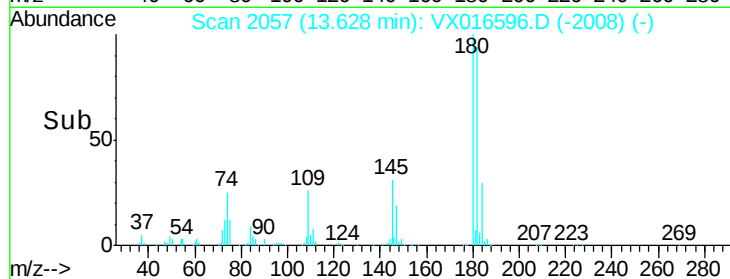
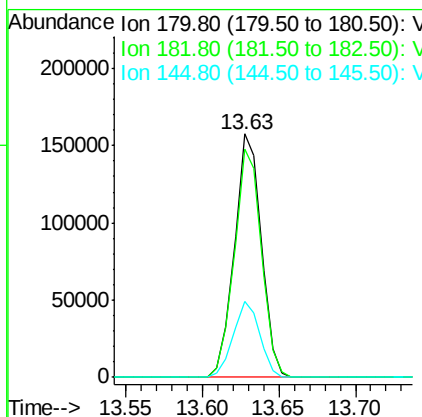
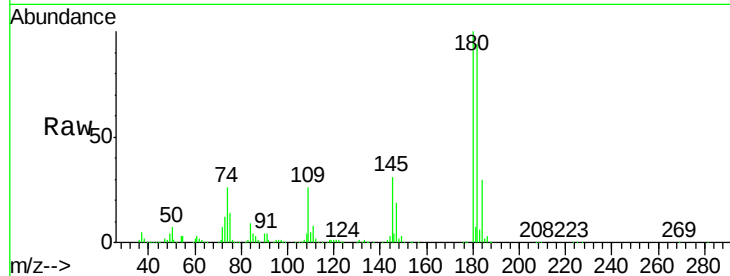
#93
 1,2,4-Trichlorobenzene
 Concen: 53.288 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	191347		
182	94.8	48.3	144.8	
145	30.8	15.4	46.2	

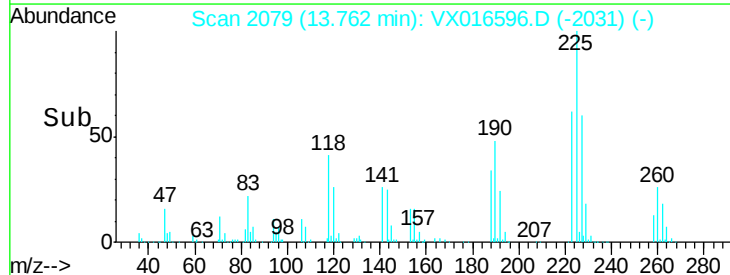
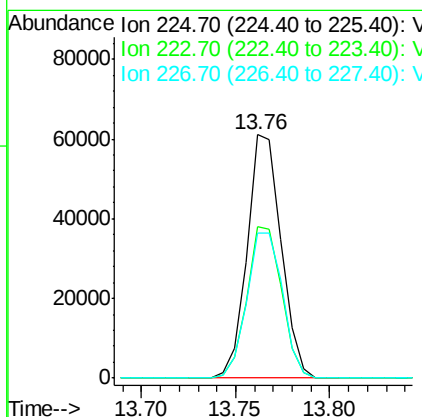
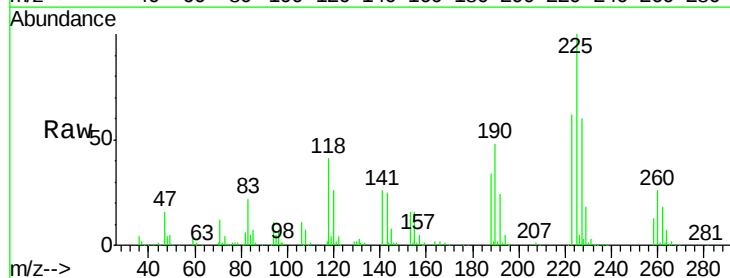
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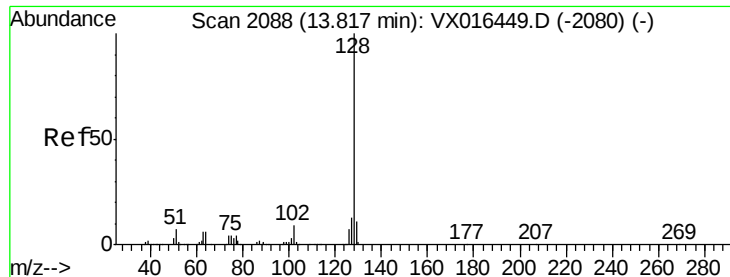
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#94
 Hexachlorobutadiene
 Concen: 54.283 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016596.D
 Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76530		
223	63.4	32.3	96.8	
227	62.9	31.6	94.7	





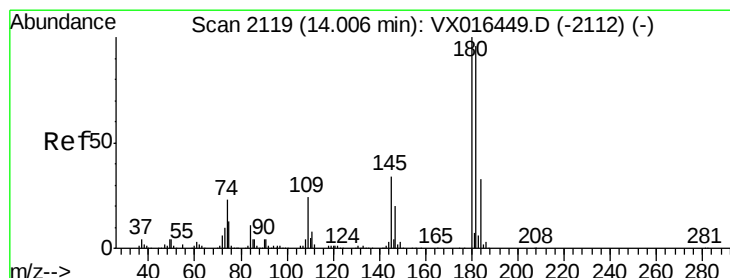
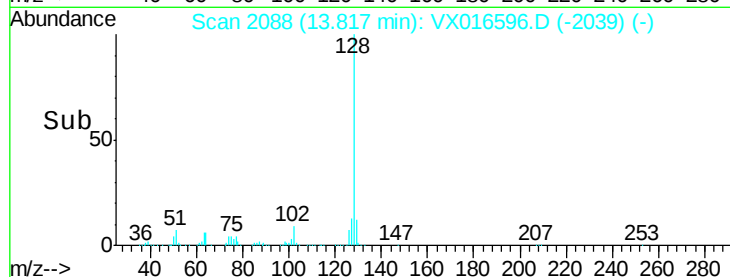
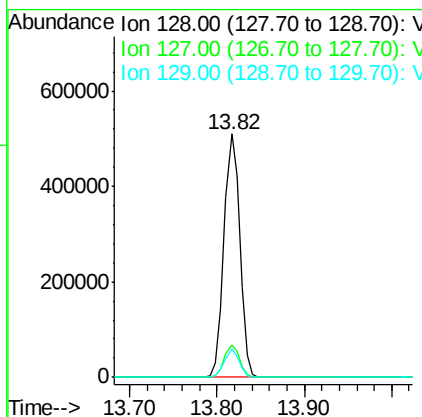
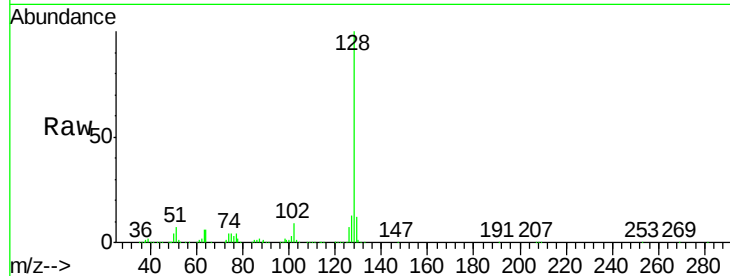
#95
Naphthalene
Concen: 51.432 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.9	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.897 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016596.D
Acq: 04 Jun 2020 20:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.6	145.8
145	32.1	16.6	49.8

