

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051320\
 Data File : VX016166.D
 Acq On : 13 May 2020 09:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/14/2020 12:15:53 PM

Quant Time: May 14 06:06:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	299358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	465835	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	428415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	218721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	186265	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	5.46	113	147411	49.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	8.70	98	588417	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.12	95	223704	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	162660	51.335	ug/l	100
3) Chloromethane	1.31	50	175723	47.753	ug/l	99
4) Vinyl Chloride	1.39	62	185050	47.135	ug/l	99
5) Bromomethane	1.62	94	83251	42.061	ug/l	97
6) Chloroethane	1.70	64	112616	47.144	ug/l	99
7) Trichlorofluoromethane	1.92	101	245463	47.624	ug/l	99
8) Diethyl Ether	2.17	74	100897	46.460	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	140826	47.357	ug/l	97
10) Methyl Iodide	2.49	142	167006	41.811	ug/l	99
11) Tert butyl alcohol	3.01	59	204558	205.352	ug/l	100
12) 1,1-Dichloroethene	2.36	96	142365	45.749	ug/l	97
13) Acrolein	2.27	56	120685	193.608	ug/l	99
14) Allyl chloride	2.70	41	270429	47.396	ug/l	96
15) Acrylonitrile	3.11	53	479539	232.056	ug/l	99
16) Acetone	2.42	43	366699	208.630	ug/l	97
17) Carbon Disulfide	2.55	76	433845	46.410	ug/l	100
18) Methyl Acetate	2.75	43	207343	47.978	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	536981	50.057	ug/l	100
20) Methylene Chloride	2.83	84	169289	46.721	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	164730	47.503	ug/l	99
22) Diisopropyl ether	3.82	45	532106	49.433	ug/l	89
23) Vinyl Acetate	3.78	43	2314293	244.376	ug/l	99
24) 1,1-Dichloroethane	3.67	63	301234	50.027	ug/l	100
25) 2-Butanone	4.63	43	610892	215.688	ug/l	99
26) 2,2-Dichloropropane	4.54	77	274558	49.928	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	187420	49.437	ug/l	99
28) Bromochloromethane	4.98	49	138908	50.591	ug/l	98
29) Tetrahydrofuran	5.08	42	425329	226.639	ug/l	99
30) Chloroform	5.18	83	296728	49.493	ug/l	99
31) Cyclohexane	5.55	56	267032	48.796	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	269324	49.420	ug/l	99
36) 1,1-Dichloropropene	5.76	75	230502	50.268	ug/l	99
37) Ethyl Acetate	4.79	43	253797	47.754	ug/l	99
38) Carbon Tetrachloride	5.75	117	241632	51.843	ug/l	97

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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)
39) Methylcyclohexane	7.44	83	263171	47.657	ug/l	99
40) Benzene	6.11	78	682509	50.869	ug/l	99
41) Methacrylonitrile	5.00	41	137651	47.959	ug/l	98
42) 1,2-Dichloroethane	6.16	62	236609	48.955	ug/l	98
43) Isopropyl Acetate	6.41	43	414271	48.854	ug/l	99
44) Trichloroethene	7.19	130	251723	52.810	ug/l	97
45) 1,2-Dichloropropane	7.49	63	177288	52.221	ug/l	98
46) Dibromomethane	7.63	93	116412	50.458	ug/l	99
47) Bromodichloromethane	7.87	83	245135	52.170	ug/l	98
48) Methyl methacrylate	7.74	41	195611	48.682	ug/l	97
49) 1,4-Dioxane	7.71	88	79930	829.422	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1268021	244.360	ug/l	99
52) Toluene	8.76	92	437306	52.291	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	290448	51.844	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	302815	51.748	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	170950	51.956	ug/l	99
56) Ethyl methacrylate	9.16	69	279613	52.062	ug/l	97
57) 1,3-Dichloropropane	9.35	76	297841	51.877	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	770520	269.480	ug/l	100
59) 2-Hexanone	9.47	43	989683	242.857	ug/l	99
60) Dibromochloromethane	9.57	129	195839	54.043	ug/l	99
61) 1,2-Dibromoethane	9.65	107	183354	51.446	ug/l	99
64) Tetrachloroethene	9.32	164	282145	53.646	ug/l	98
65) Chlorobenzene	10.12	112	466587	52.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	176082	53.107	ug/l	98
67) Ethyl Benzene	10.23	91	839429	52.446	ug/l	99
68) m/p-Xylenes	10.34	106	639194	106.590	ug/l	100
69) o-Xylene	10.68	106	305356	52.974	ug/l	99
70) Styrene	10.70	104	525465	53.733	ug/l	100
71) Bromoform	10.84	173	150223	55.611	ug/l #	99
73) Isopropylbenzene	11.00	105	814758	51.215	ug/l	99
74) N-amyl acetate	10.88	43	359830	48.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	124716	41.009	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	246317m	49.628	ug/l	
77) Bromobenzene	11.24	156	204361	49.768	ug/l	99
78) n-propylbenzene	11.34	91	938255	50.697	ug/l	99
79) 2-Chlorotoluene	11.40	91	552857	50.608	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	685488	51.034	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	104106	49.986	ug/l #	83
82) 4-Chlorotoluene	11.49	91	662497	51.356	ug/l	99
83) tert-Butylbenzene	11.76	119	575693	49.733	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	698517	51.438	ug/l	100
85) sec-Butylbenzene	11.93	105	760378	48.651	ug/l	100
86) p-Isopropyltoluene	12.05	119	717254	49.428	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	374641	50.813	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	379716	50.742	ug/l	100
89) n-Butylbenzene	12.37	91	633267	47.770	ug/l	100
90) Hexachloroethane	12.58	117	122627	49.206	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	359134	50.587	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	58256	44.535	ug/l	97

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VSTDCCC050

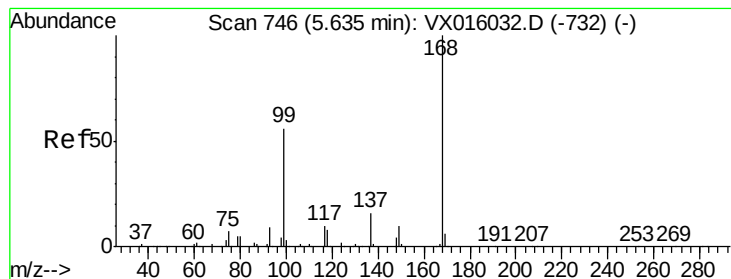
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	254524	48.424	ug/l	100
94) Hexachlorobutadiene	13.77	225	103700	45.862	ug/l	99
95) Naphthalene	13.82	128	825007	48.475	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	247046	48.093	ug/l	100

(#) = 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. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 299358

Ion Ratio Lower Upper

168 100

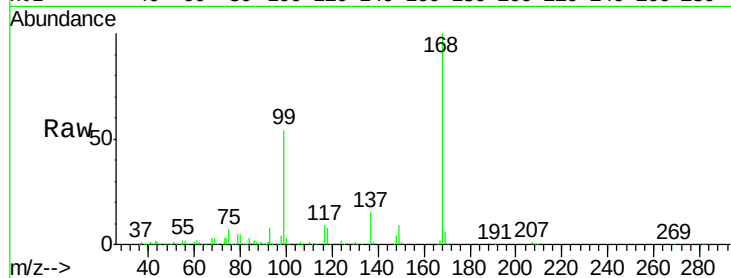
99 53.8 45.0 67.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

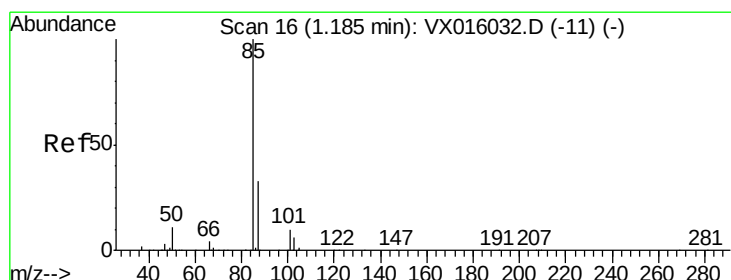
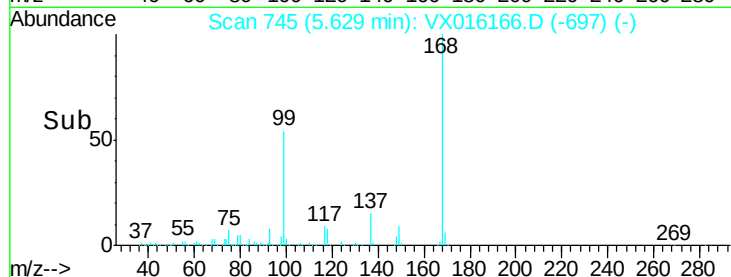
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.335 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016166.D

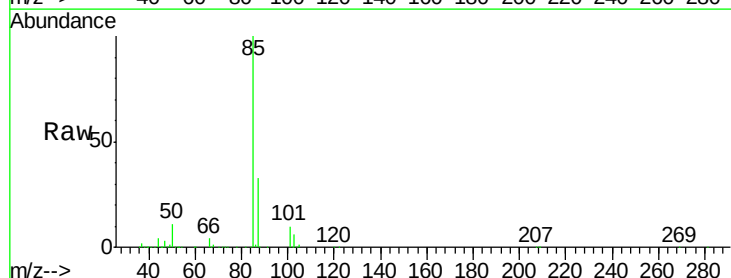
Acq: 13 May 2020 09:53

Tgt Ion: 85 Resp: 162660

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

200000

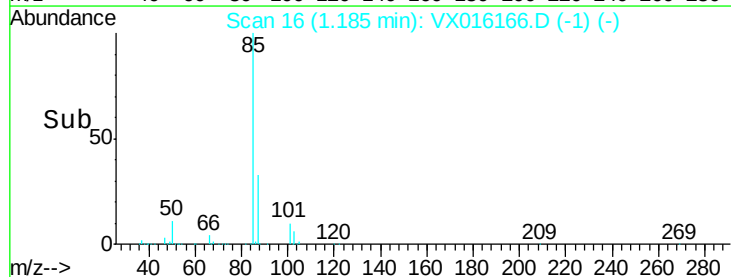
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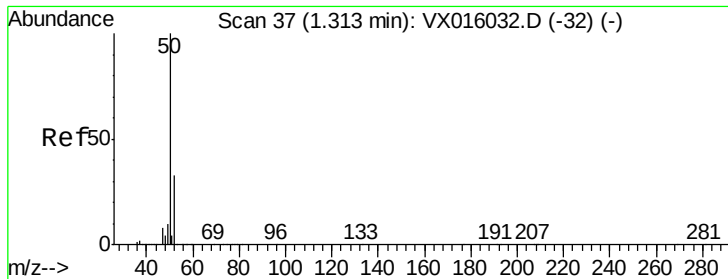
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.753 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 175723

Ion Ratio Lower Upper

50 100

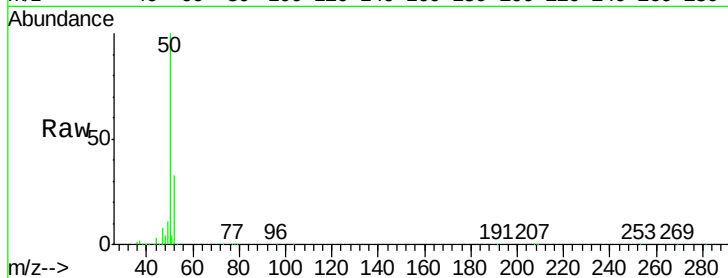
52 33.0 26.1 39.1

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

200000

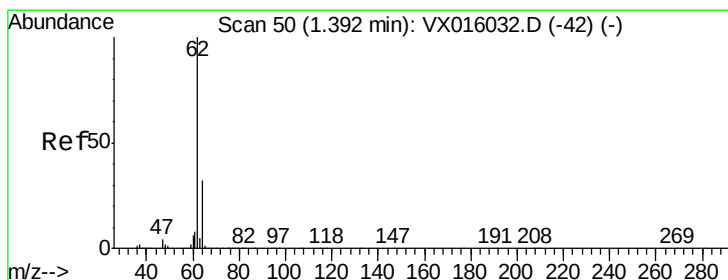
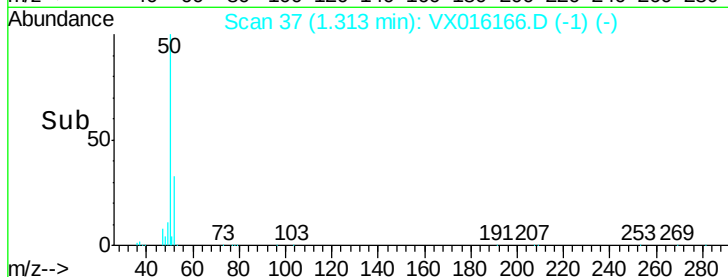
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.135 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016166.D

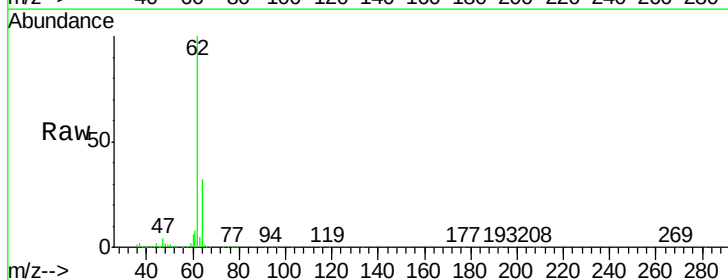
Acq: 13 May 2020 09:53

Tgt Ion: 62 Resp: 185050

Ion Ratio Lower Upper

62 100

64 32.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

200000

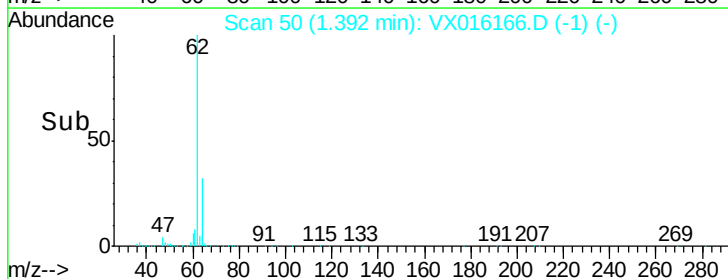
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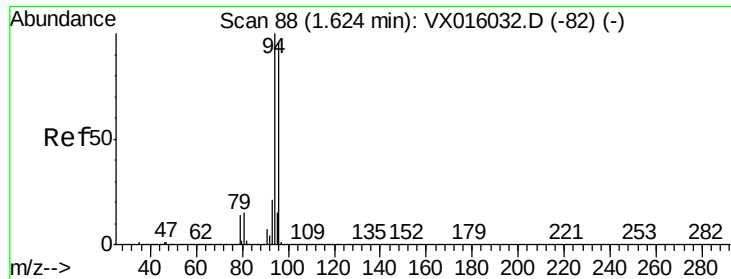
100000

50000

0

Time-->





#5

Bromomethane

Concen: 42.061 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 83251

Ion Ratio Lower Upper

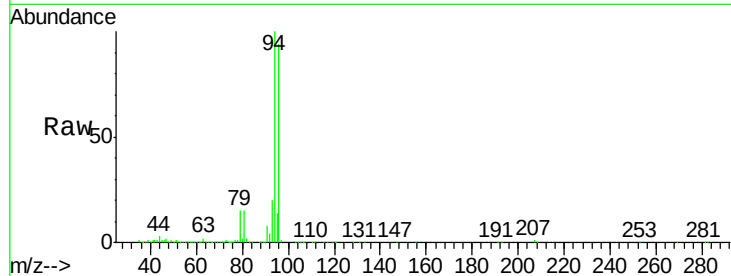
94 100

96 93.5 76.9 115.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

100000

80000

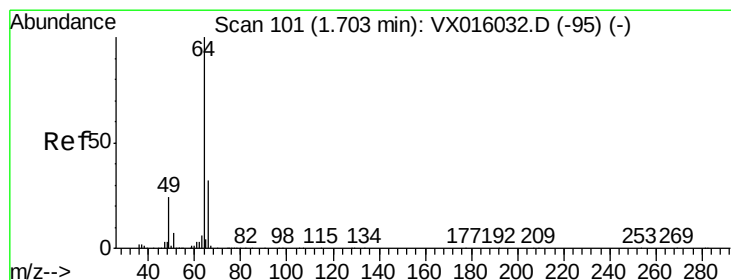
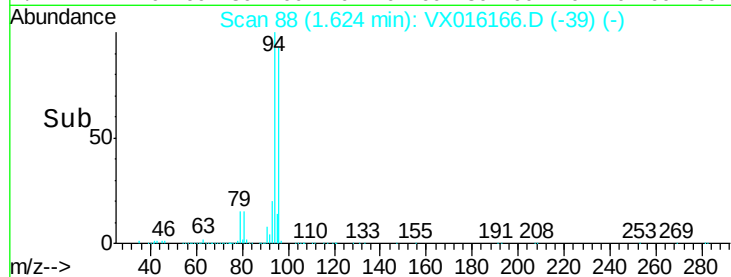
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 47.144 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016166.D

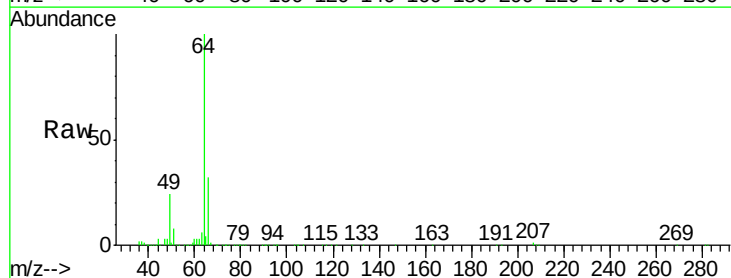
Acq: 13 May 2020 09:53

Tgt Ion: 64 Resp: 112616

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

100000

80000

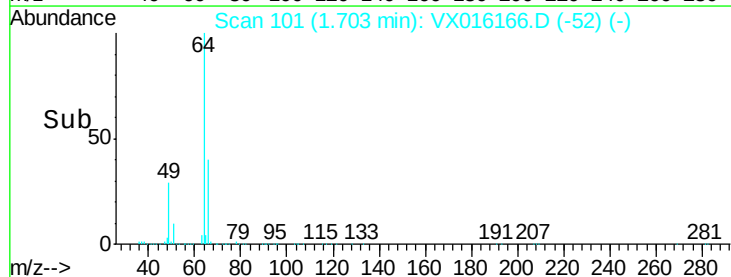
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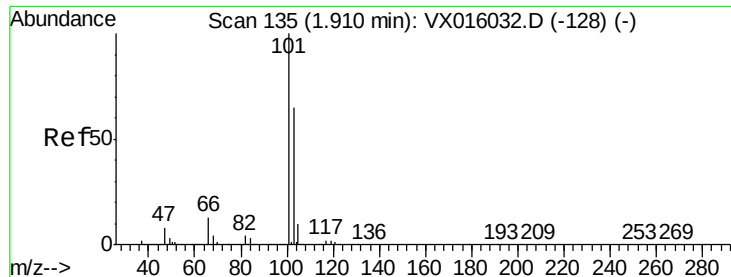
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20000

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Time-->





#7

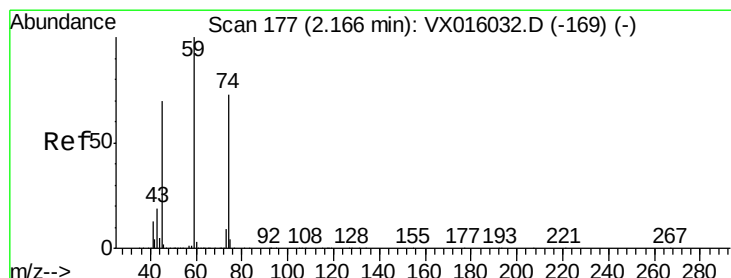
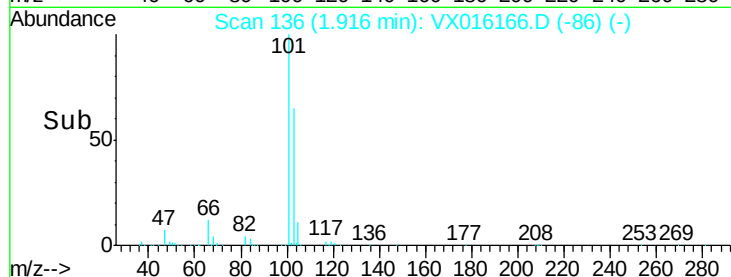
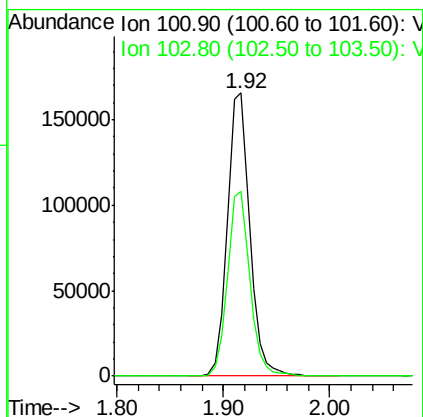
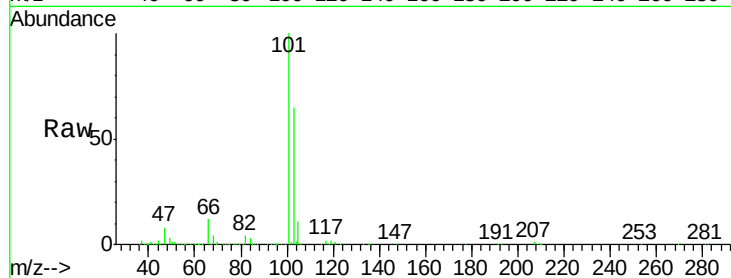
Trichlorofluoromethane
Concen: 47.624 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.8	77.6

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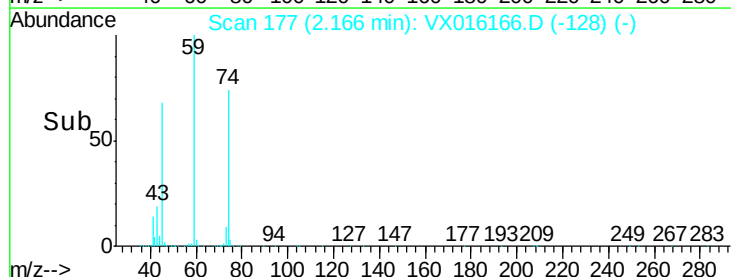
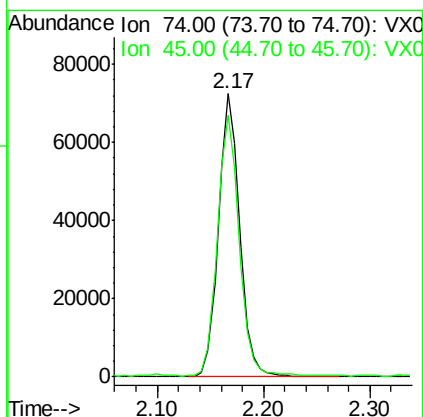
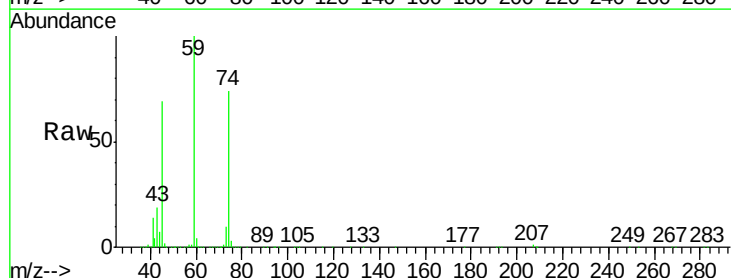
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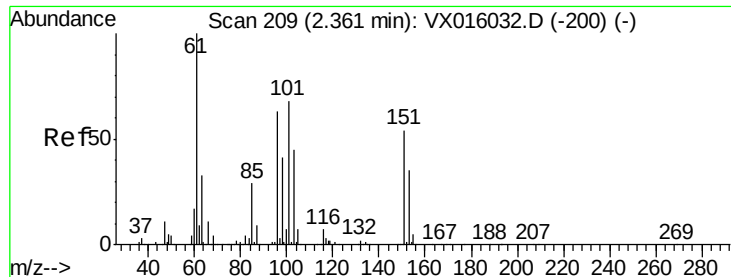


#8

Diethyl Ether
Concen: 46.460 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.357 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

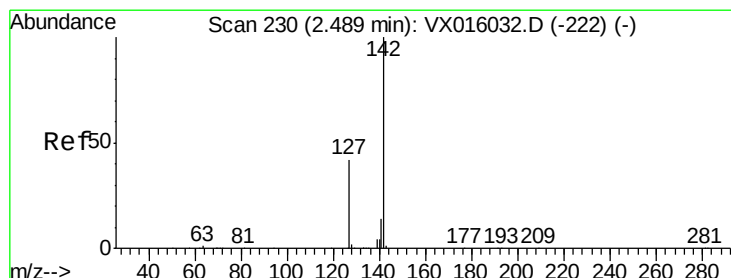
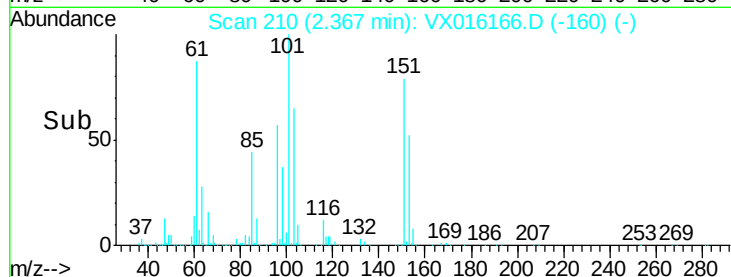
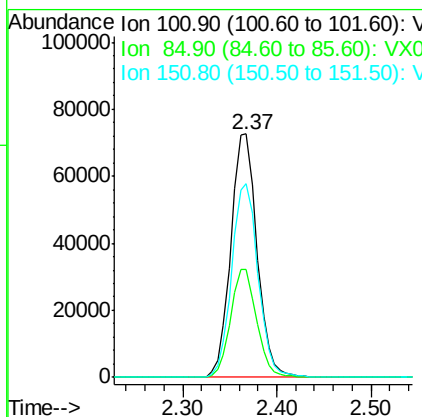
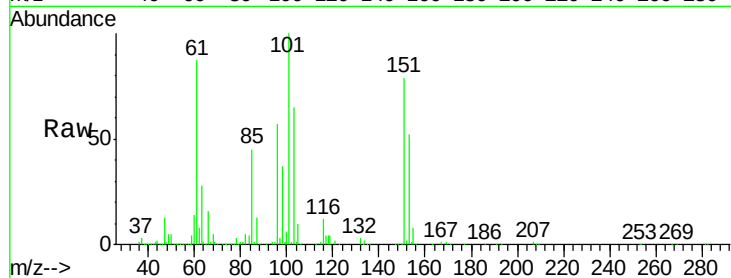
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	140826
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.2	51.4
151	80.0	62.1	93.1

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#10

Methyl Iodide

Concen: 41.811 ug/l

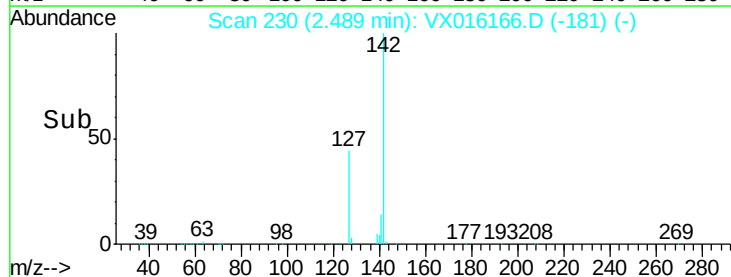
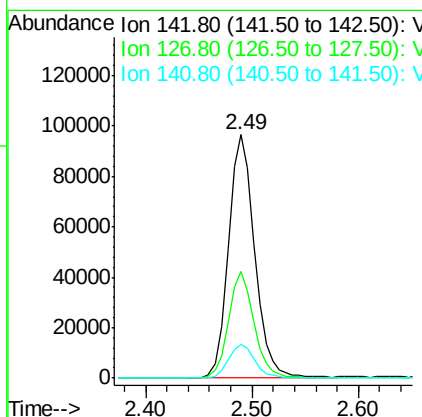
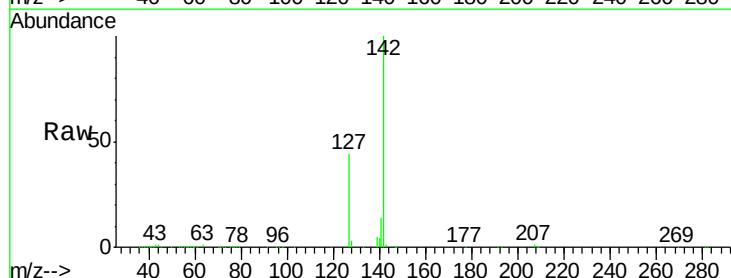
RT: 2.49 min Scan# 230

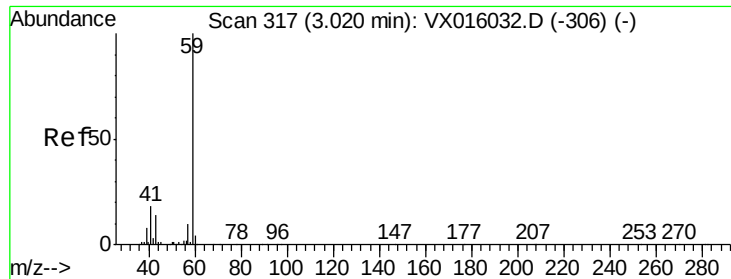
Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Tgt Ion:	142	Resp:	167006
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.6	52.0
141	14.0	11.3	16.9





#11

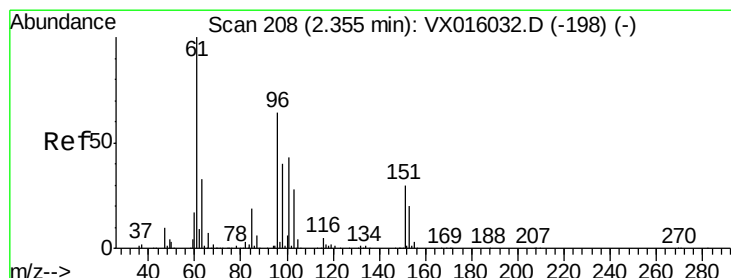
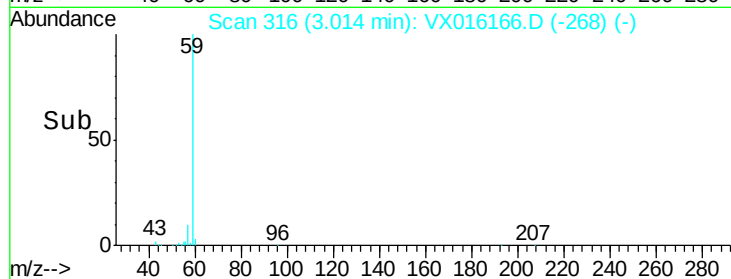
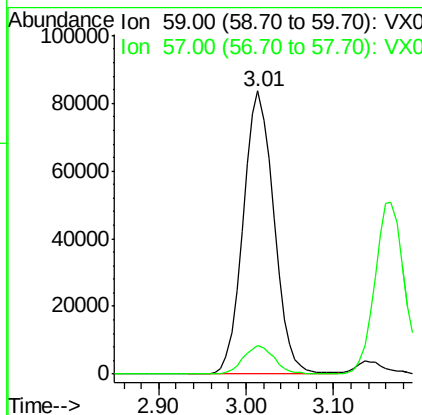
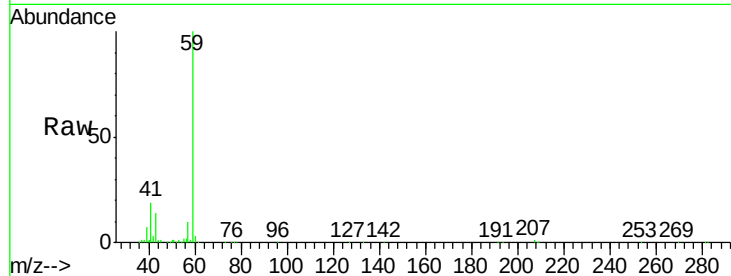
Tert butyl alcohol
Concen: 205.352 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
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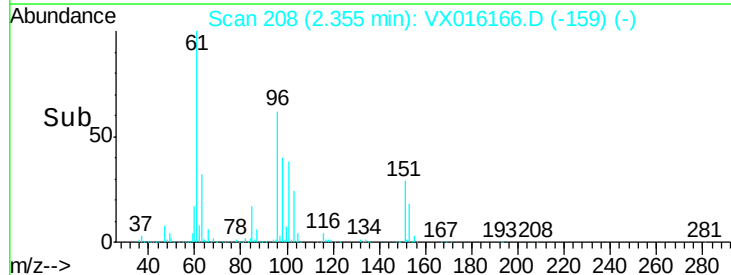
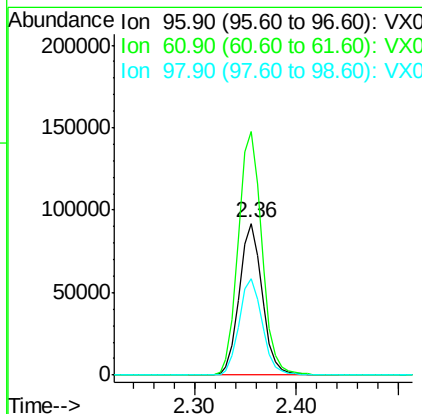
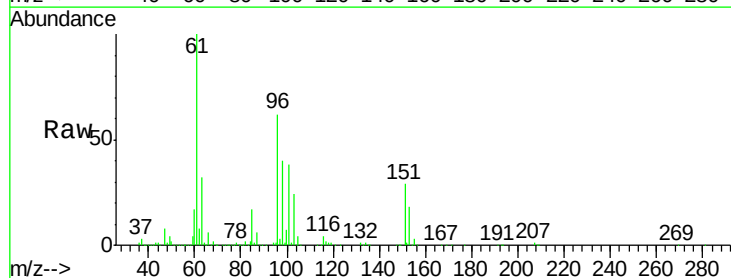
MMDadoda
5/14/2020 12:15:53 PM

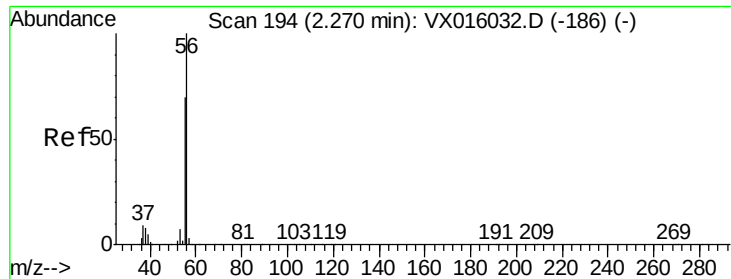


#12

1,1-Dichloroethene
Concen: 45.749 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.4	124.8	187.2
98	63.6	49.7	74.5





#13

Acrolein

Concen: 193.608 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 120685

Ion Ratio Lower Upper

56 100

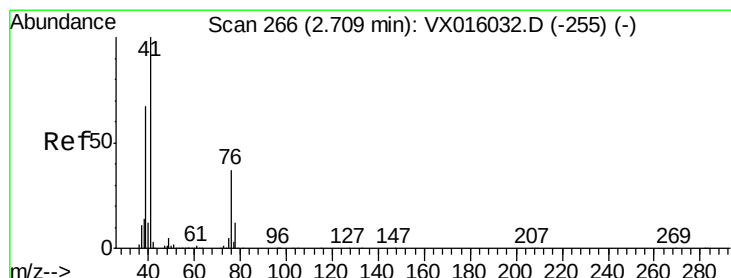
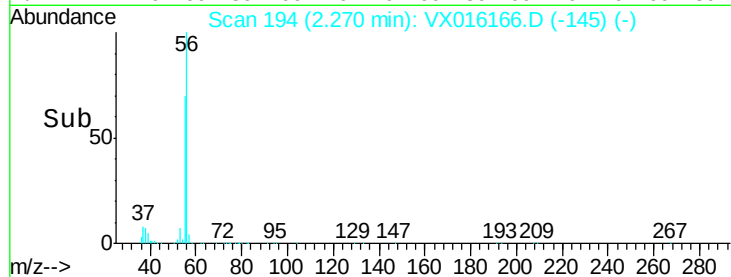
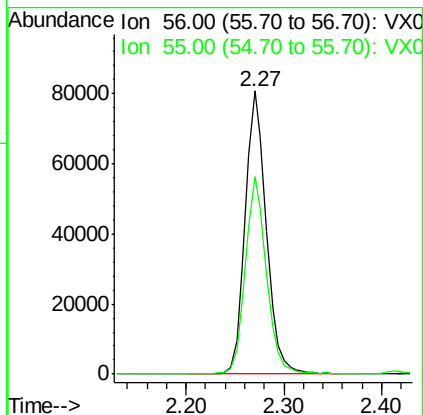
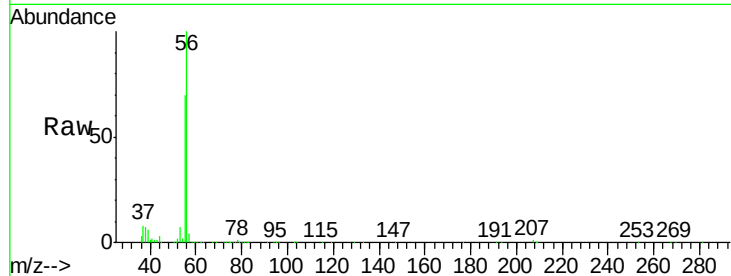
55 69.6 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 47.396 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

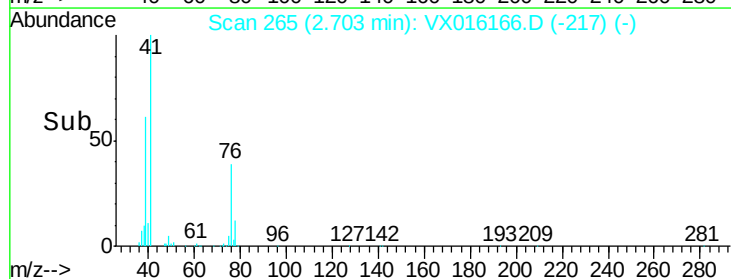
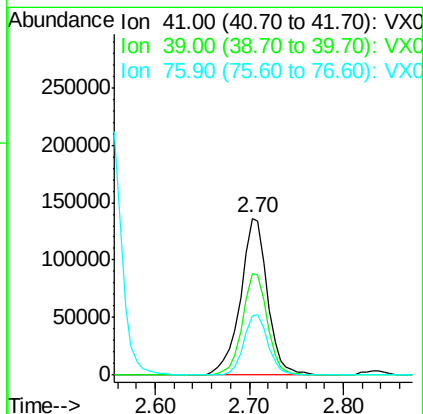
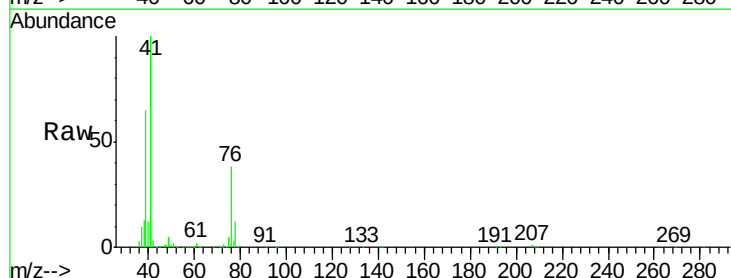
Tgt Ion: 41 Resp: 270429

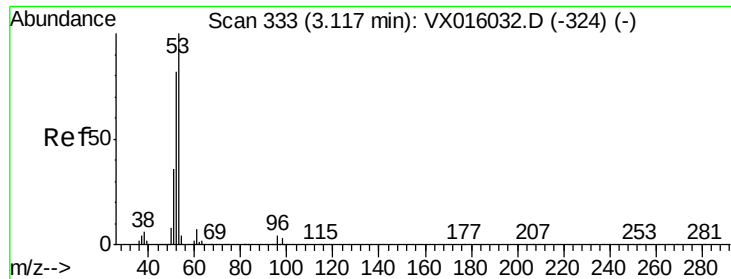
Ion Ratio Lower Upper

41 100

39 59.9 50.5 75.7

76 34.7 26.6 40.0





#15

Acrylonitrile

Concen: 232.056 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

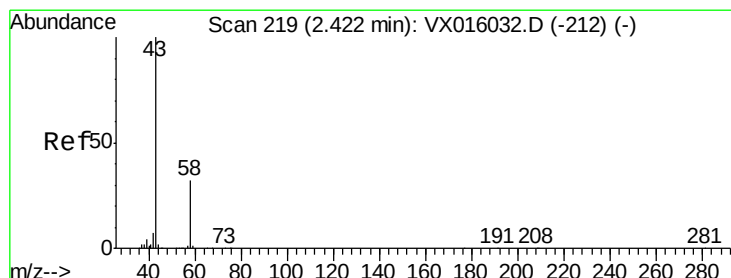
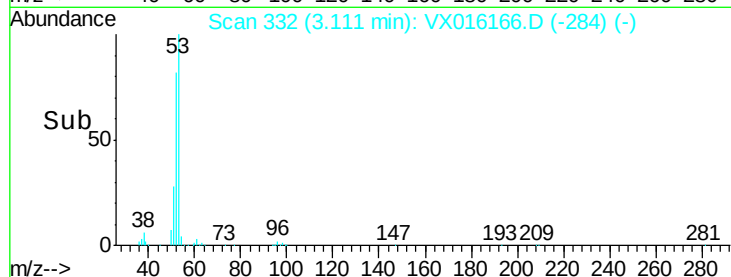
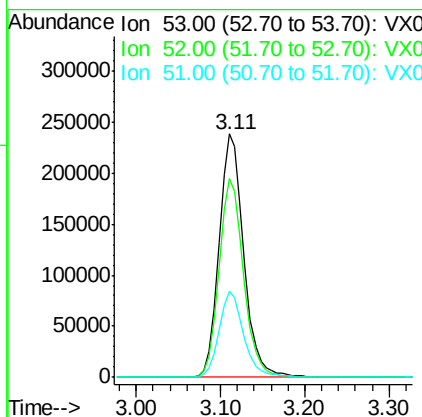
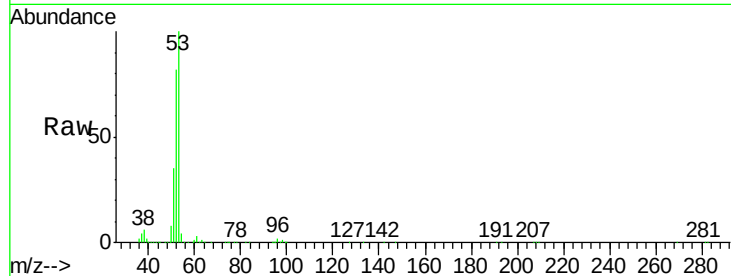
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	479539
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.1	99.1
51	35.3	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 208.630 ug/l

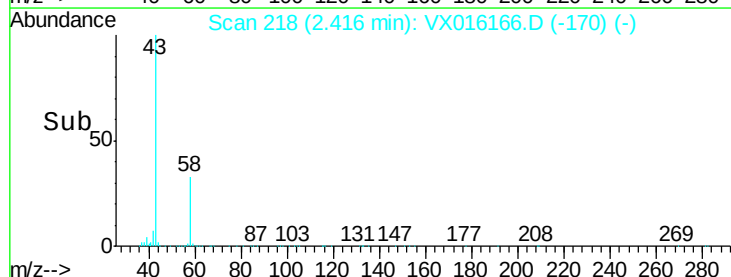
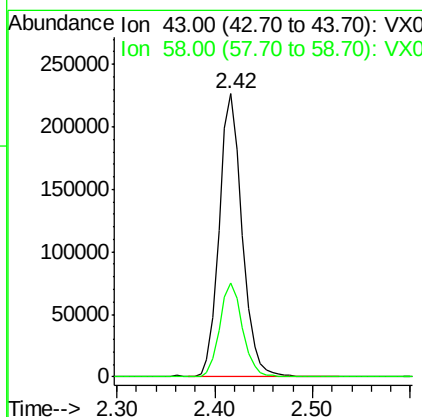
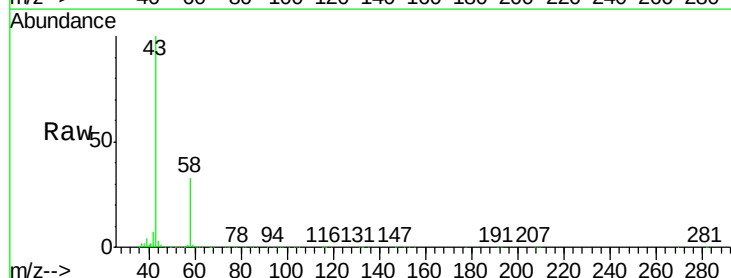
RT: 2.42 min Scan# 218

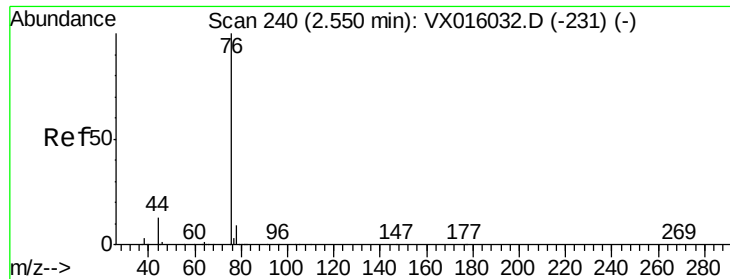
Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Tgt Ion:	43	Resp:	366699
Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.4	38.0





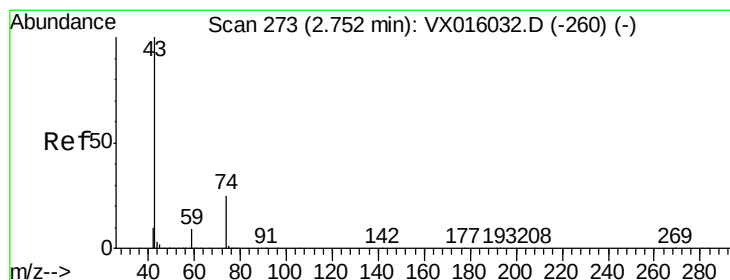
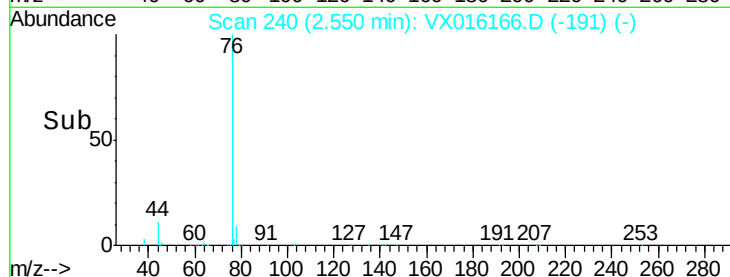
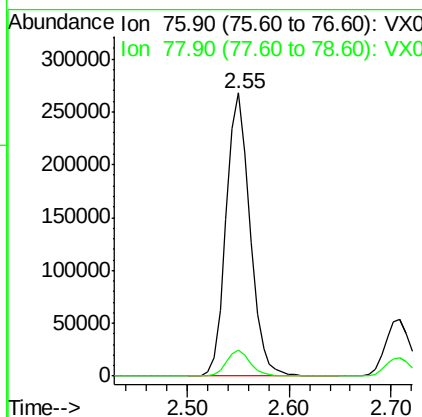
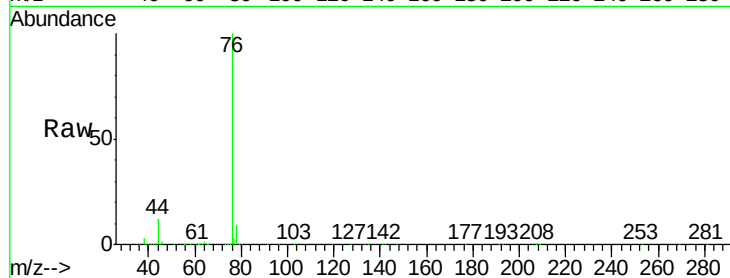
#17
Carbon Disulfide
Concen: 46.410 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

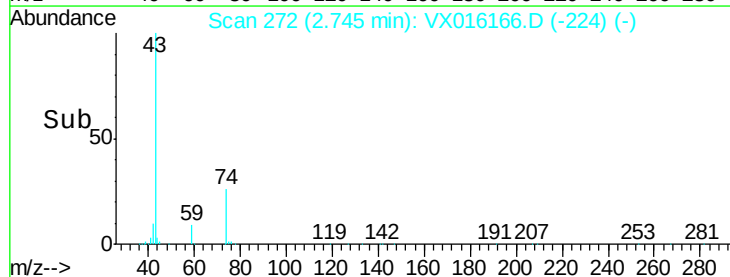
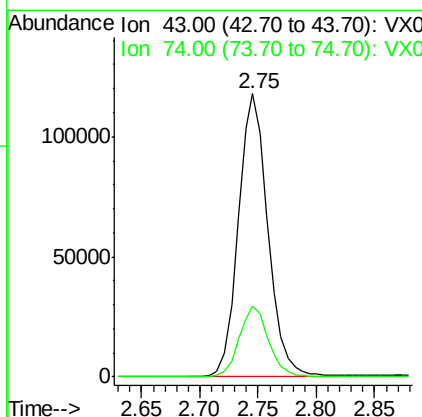
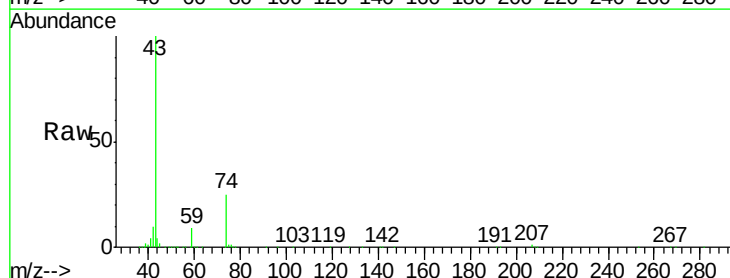
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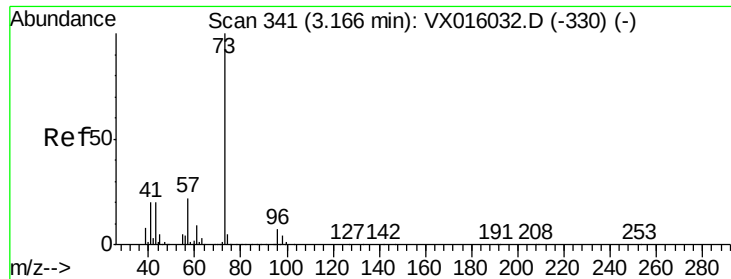
MMDadoda
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#18
Methyl Acetate
Concen: 47.978 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	20.2	30.2





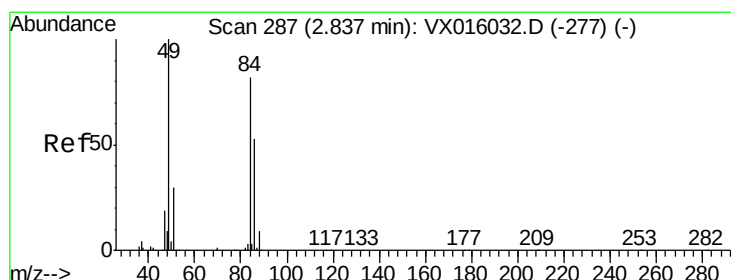
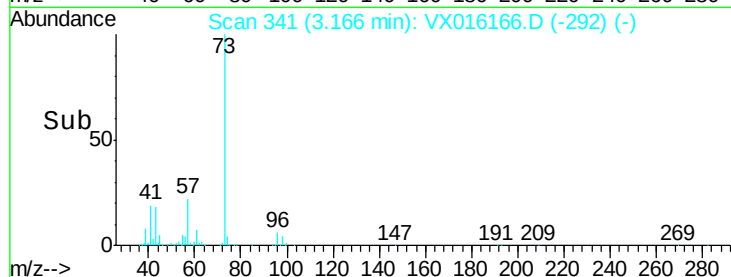
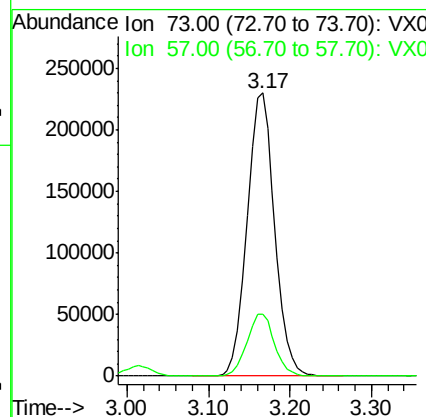
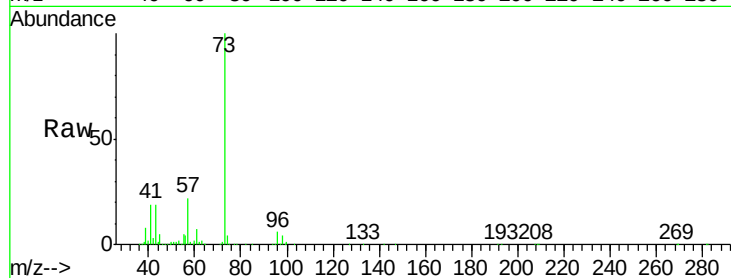
#19
Methyl tert-butyl Ether
Concen: 50.057 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.8	26.6

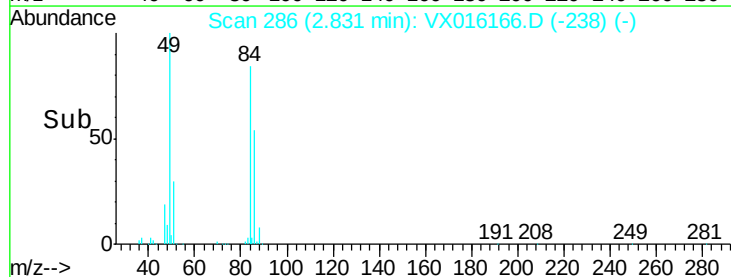
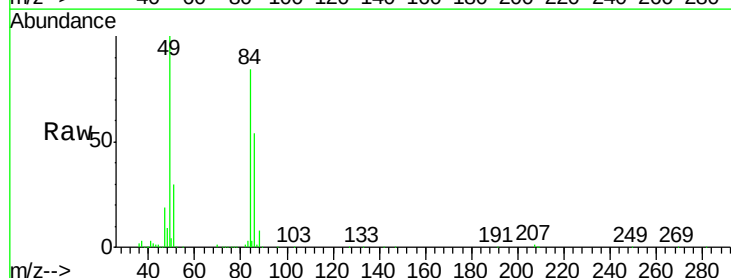
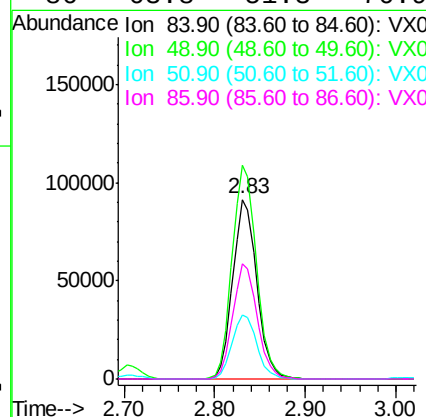
Manual Integrations
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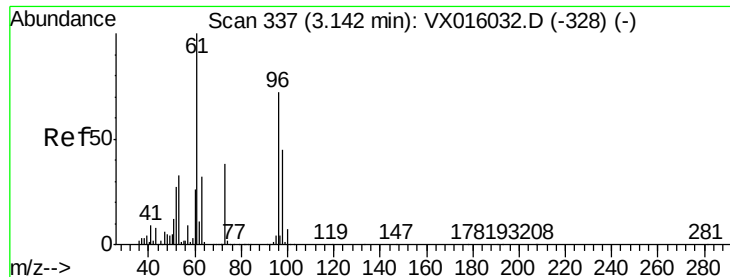
MMDadoda
5/14/2020 12:15:53 PM



#20
Methylene Chloride
Concen: 46.721 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.9	97.3	145.9
51	35.9	29.3	43.9
86	63.8	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 47.503 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

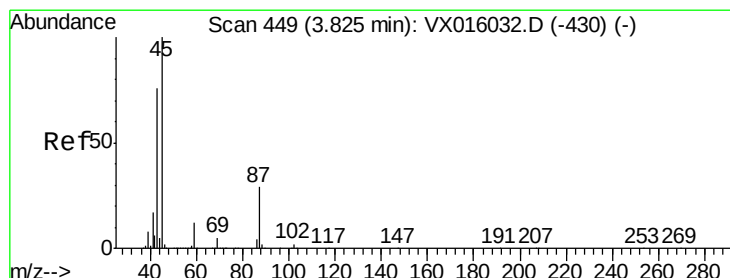
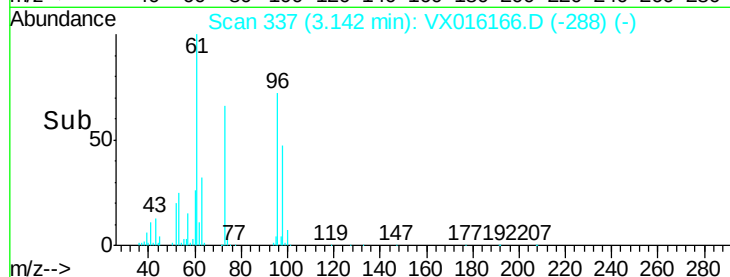
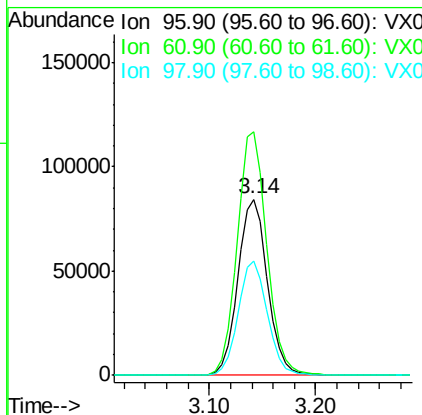
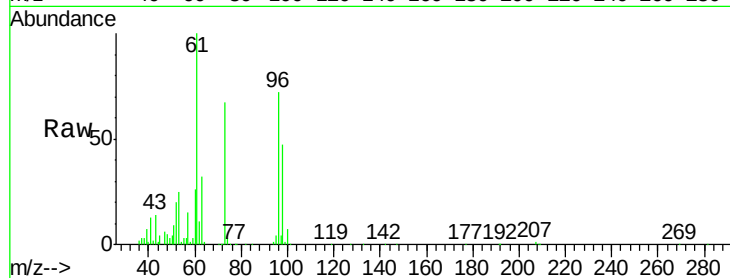
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	164730
Ion	Ratio	Lower	Upper
96	100		
61	138.2	111.2	166.8
98	65.1	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.433 ug/l

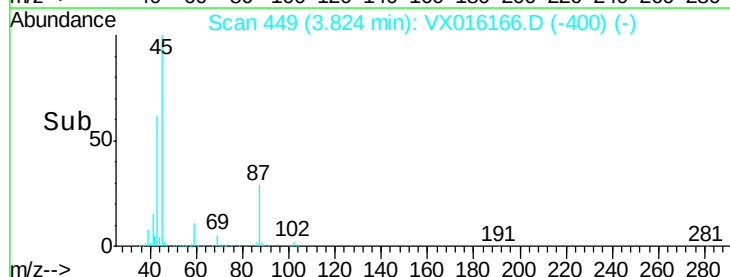
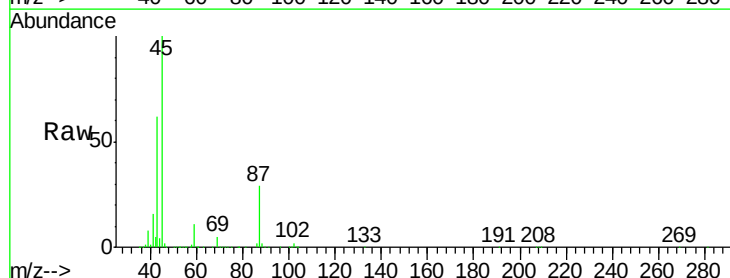
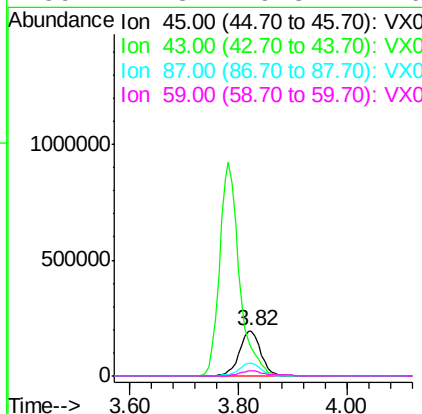
RT: 3.82 min Scan# 449

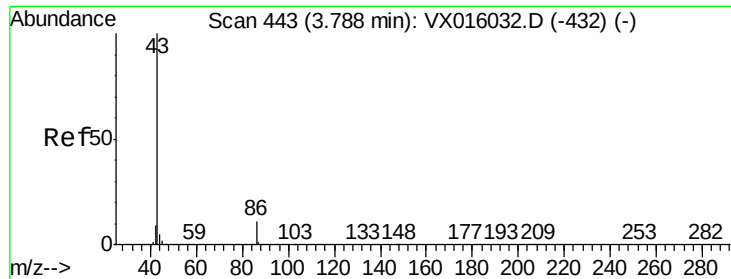
Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Tgt Ion:	45	Resp:	532106
Ion	Ratio	Lower	Upper
45	100		
43	61.7	61.1	91.7
87	28.6	23.0	34.6
59	11.3	9.8	14.6





#23

Vinyl Acetate

Concen: 244.376 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 2314293

Ion Ratio Lower Upper

43 100

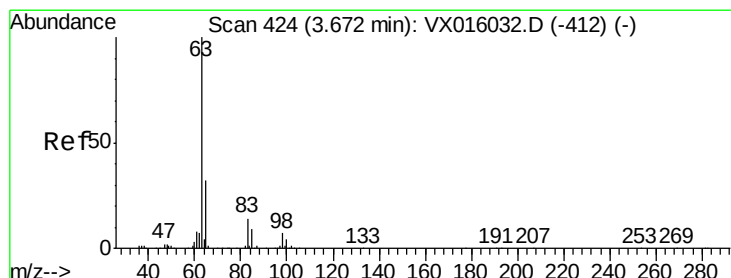
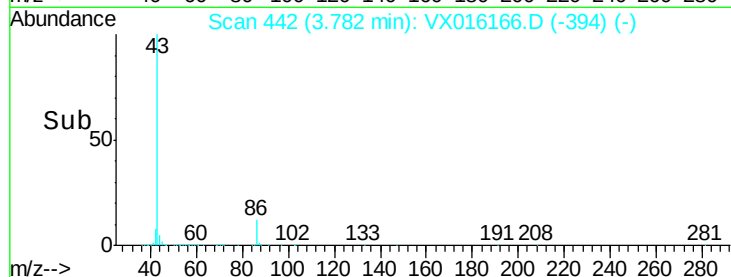
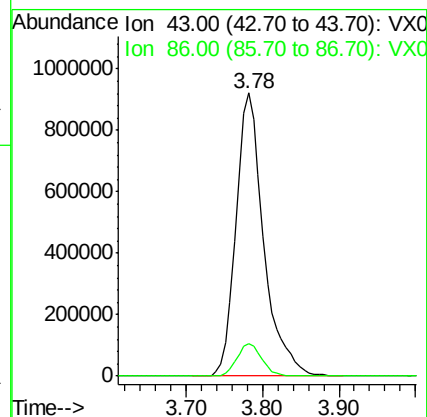
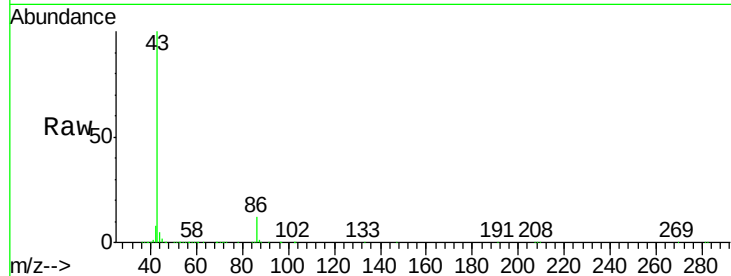
86 11.5 9.0 13.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.027 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

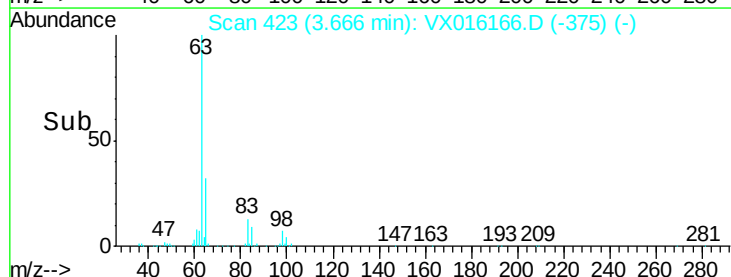
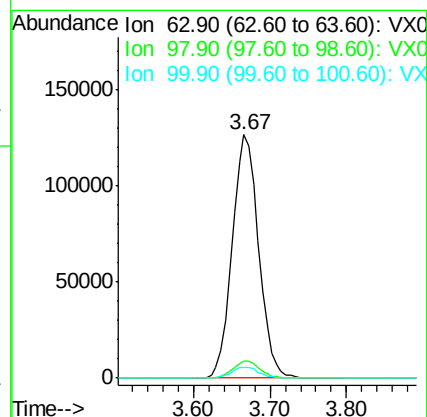
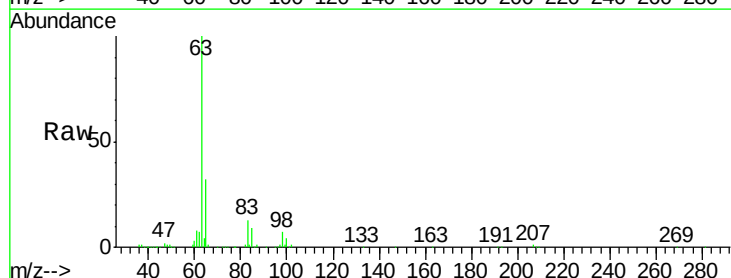
Tgt Ion: 63 Resp: 301234

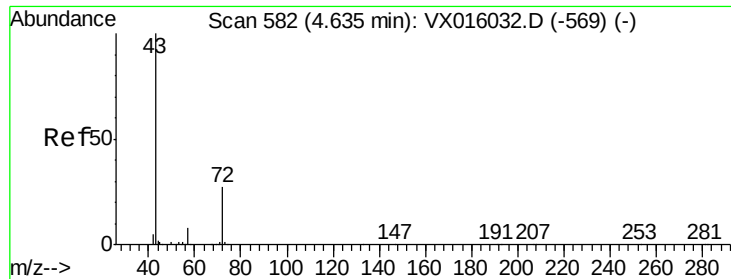
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 215.688 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 610892

Ion Ratio Lower Upper

43 100

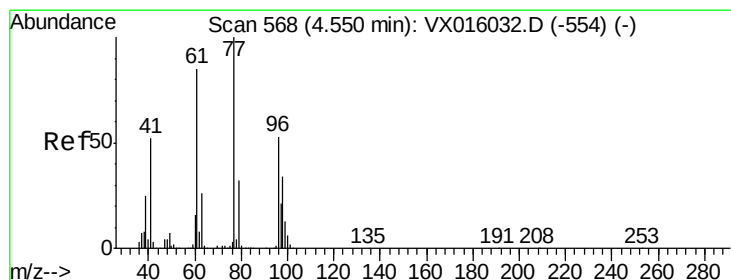
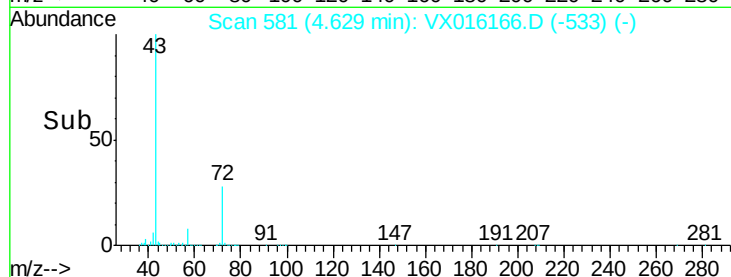
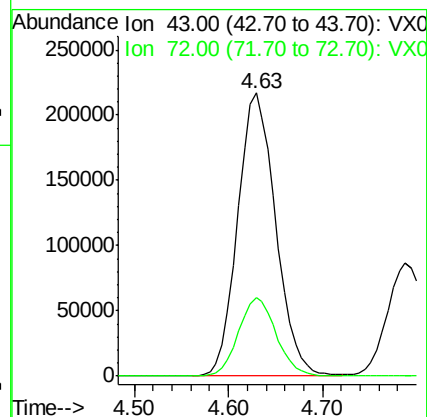
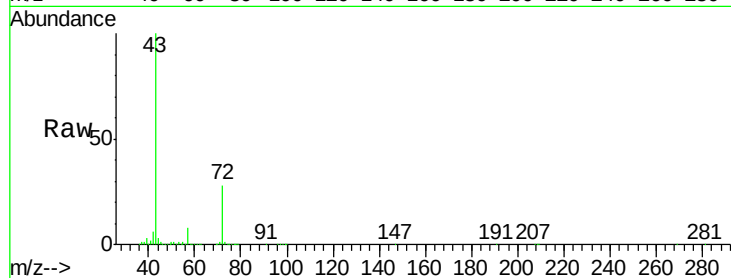
72 27.7 21.8 32.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.928 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX016166.D

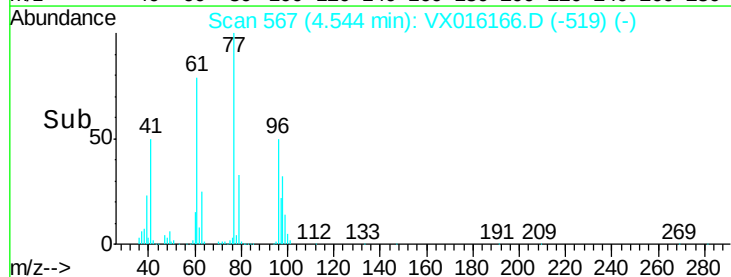
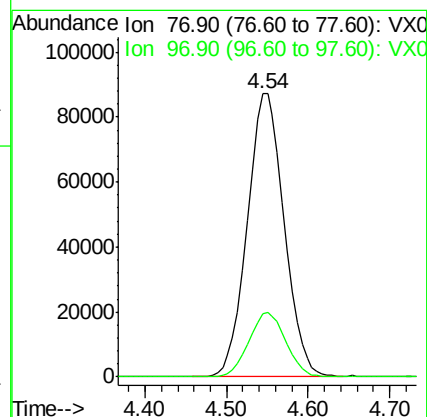
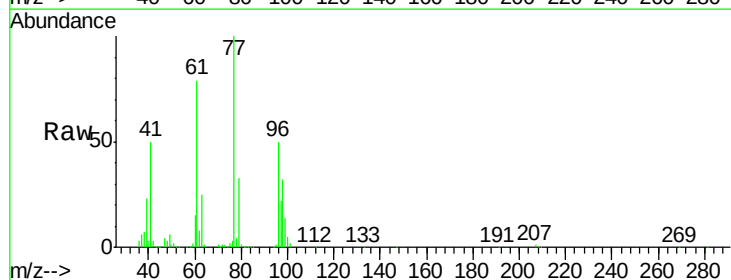
Acq: 13 May 2020 09:53

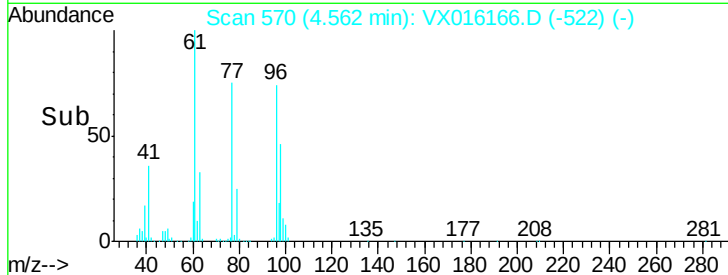
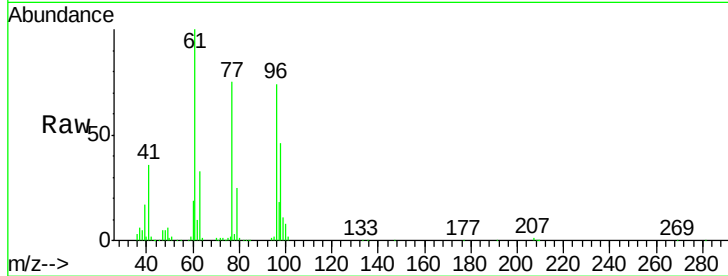
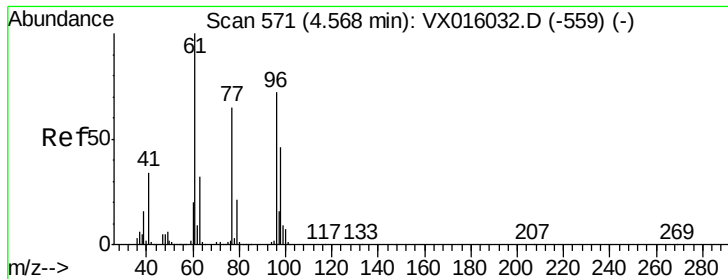
Tgt Ion: 77 Resp: 274558

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.437 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016166.D

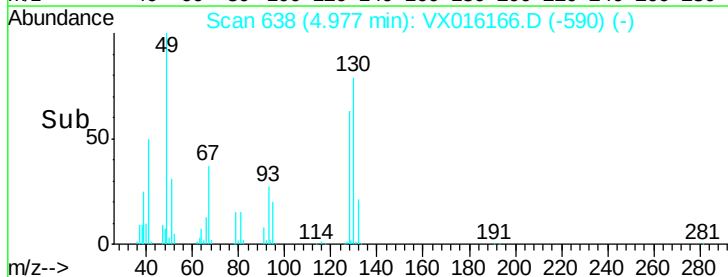
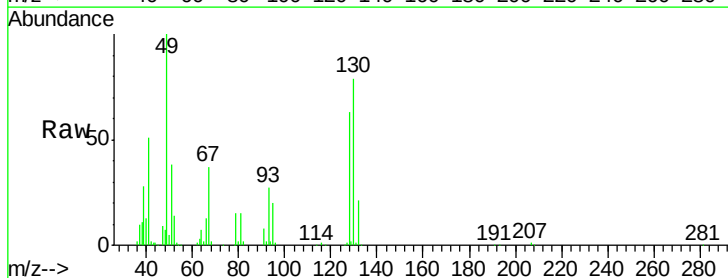
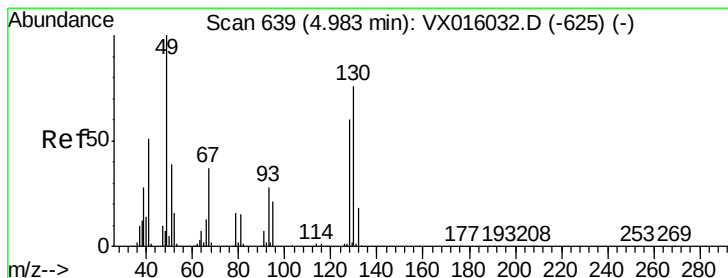
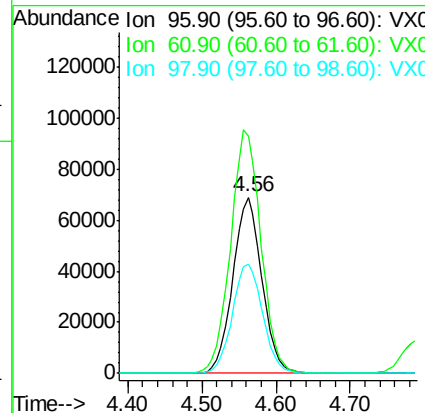
Acq: 13 May 2020 09:53

Tot Ion:	96	Resp:	187420
Ion Ratio	Lower	Upper	
96	100		
61	145.7	0.0	296.2
98	64.9	0.0	129.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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#28

Bromochloromethane

Concen: 50.591 ug/l

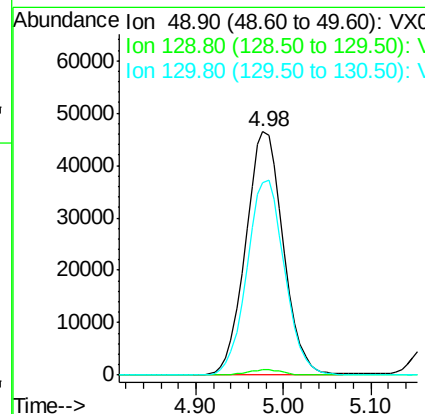
RT: 4.98 min Scan# 638

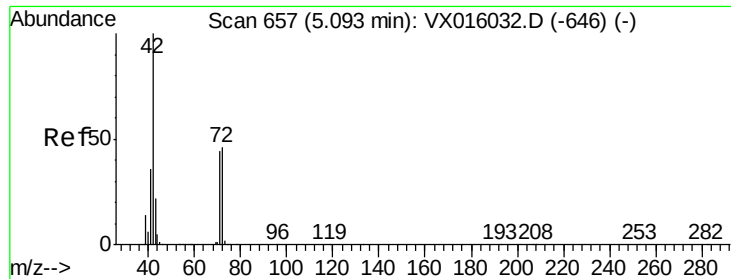
Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Tgt Ion:	49	Resp:	138908
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.0
130	80.1	62.4	93.6





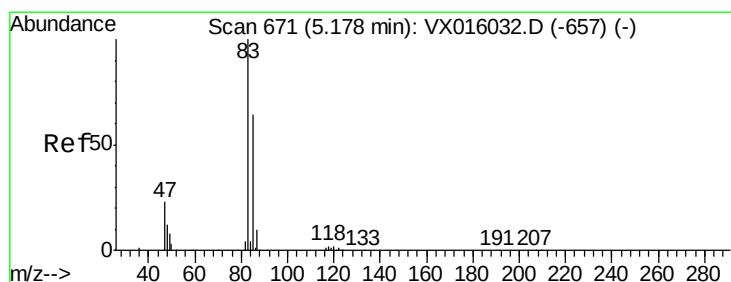
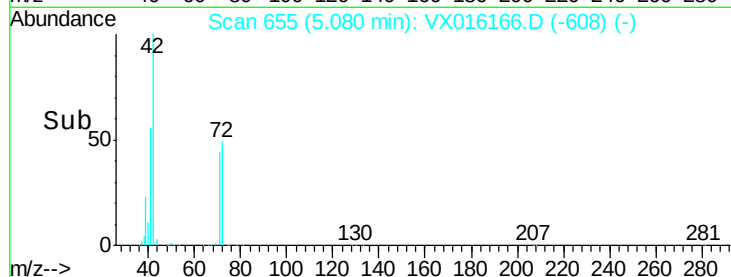
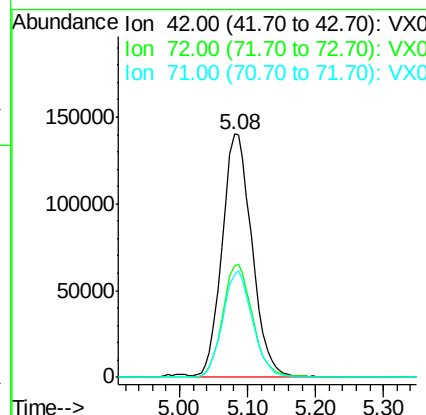
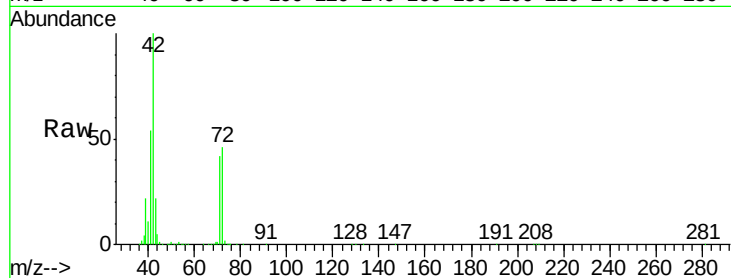
#29
Tetrahydrofuran
Concen: 226.639 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	425329
Ion Ratio		Lower	Upper
42	100		
72	46.9	37.1	55.7
71	43.5	34.5	51.7

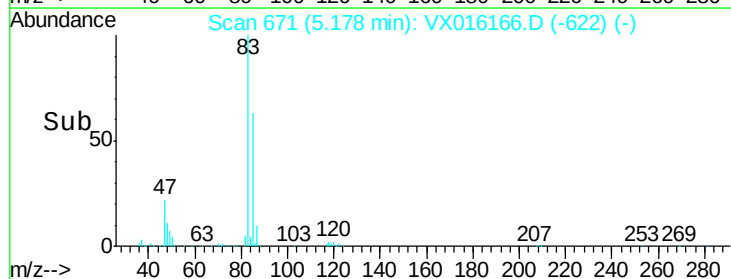
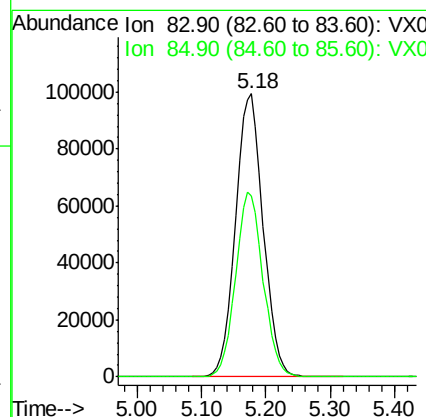
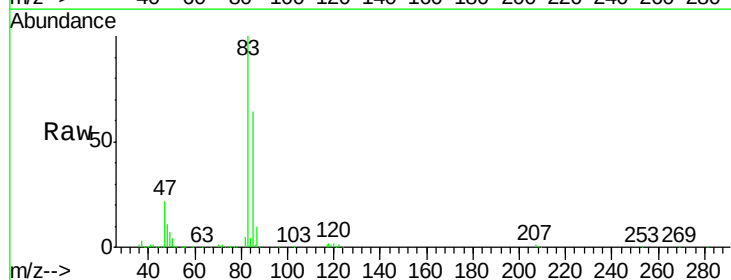
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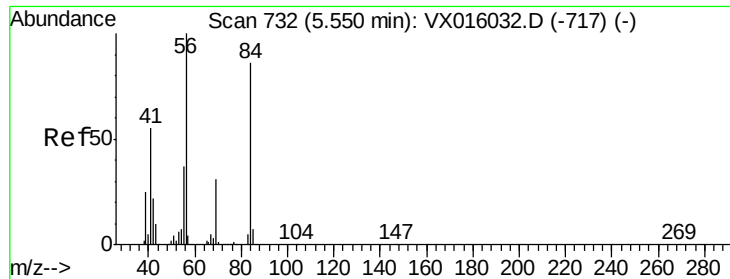
MMDadoda
5/14/2020 12:15:53 PM



#30
Chloroform
Concen: 49.493 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion:	83	Resp:	296728
Ion Ratio		Lower	Upper
83	100		
85	63.9	51.6	77.4





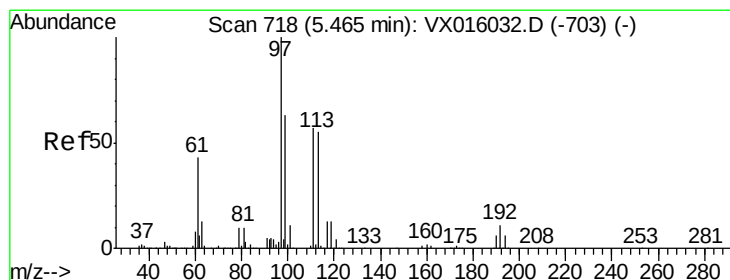
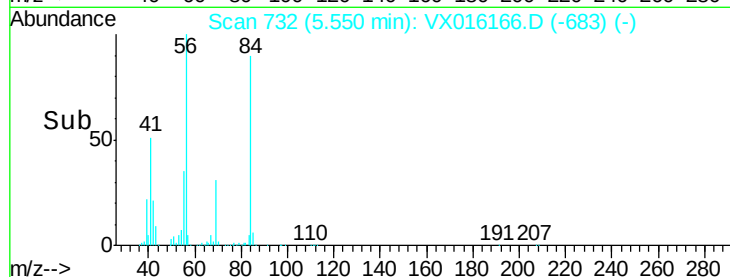
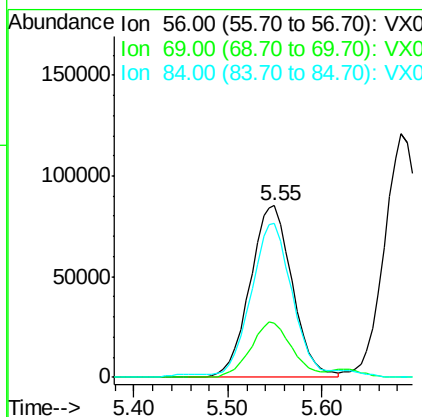
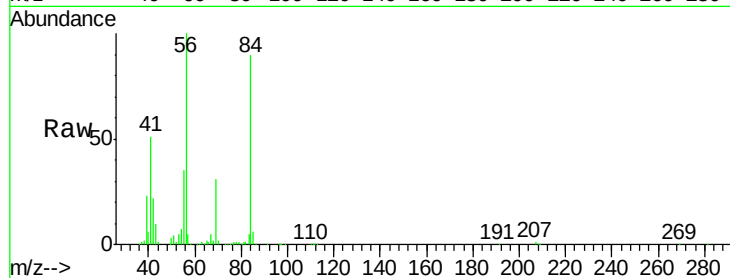
#31
Cyclohexane
Concen: 48.796 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.0	37.6
84	88.5	69.0	103.6

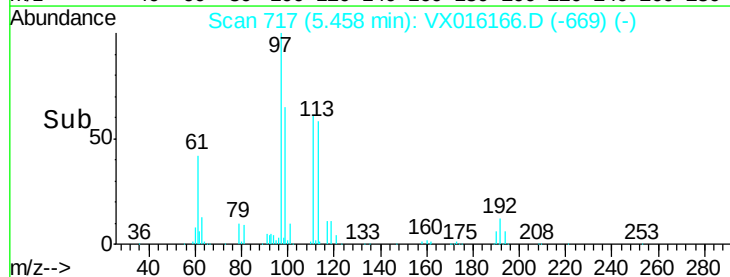
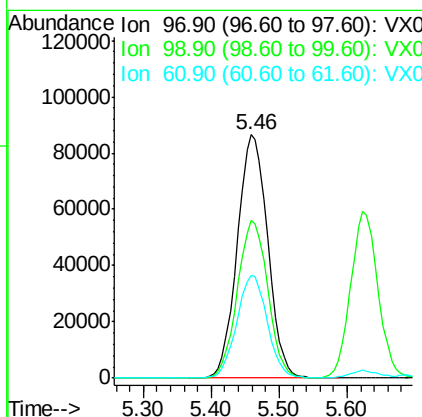
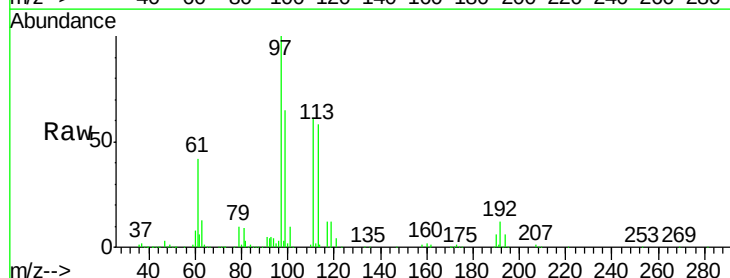
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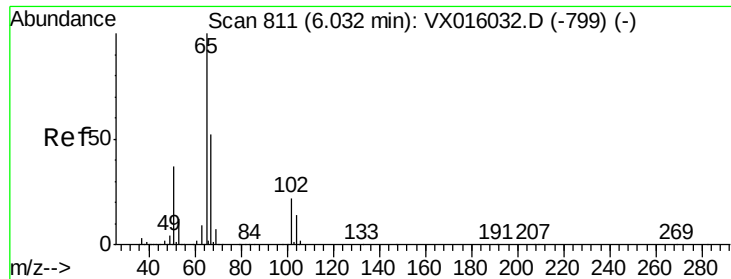
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#32
1,1,1-Trichloroethane
Concen: 49.420 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.4
61	42.3	34.5	51.7





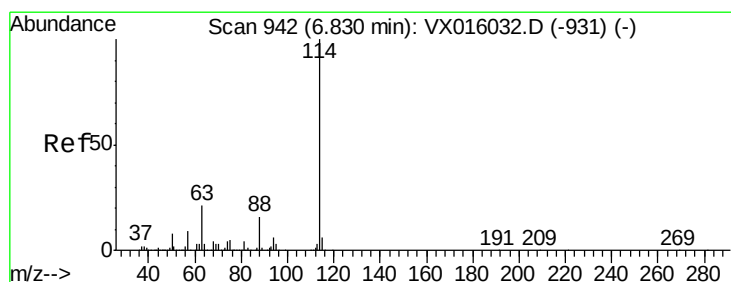
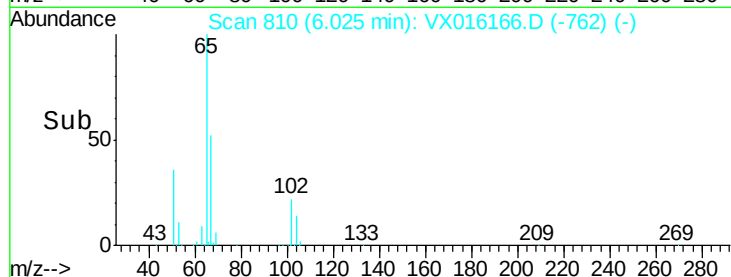
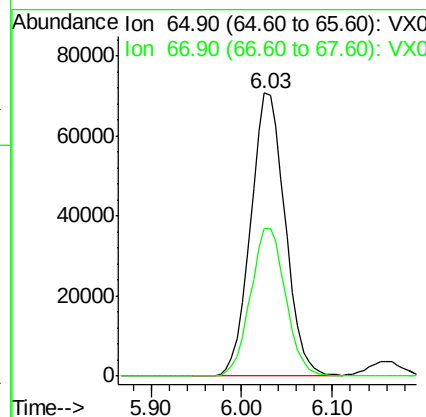
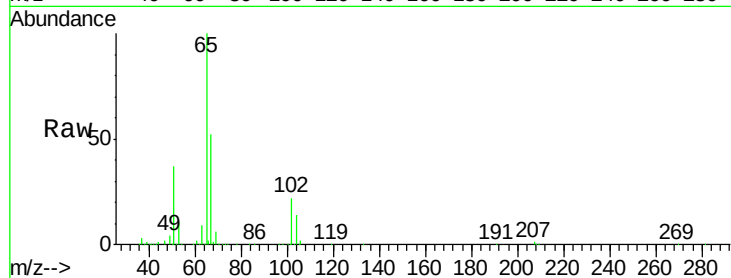
#33
 1,2-Dichloroethane-d4
 Concen: 47.284 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX016166.D
 Acq: 13 May 2020 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	186265		
67	53.1	0.0	104.8	

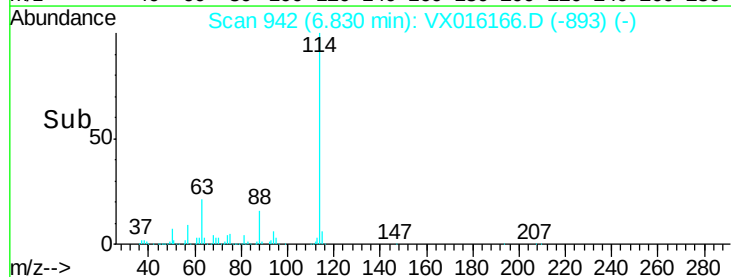
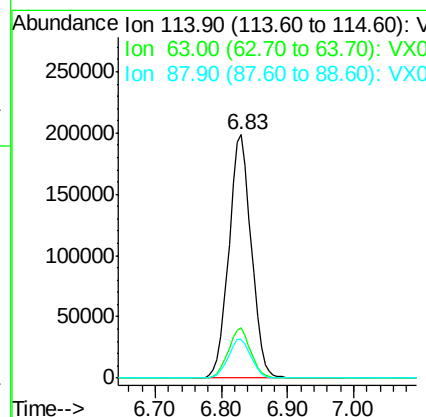
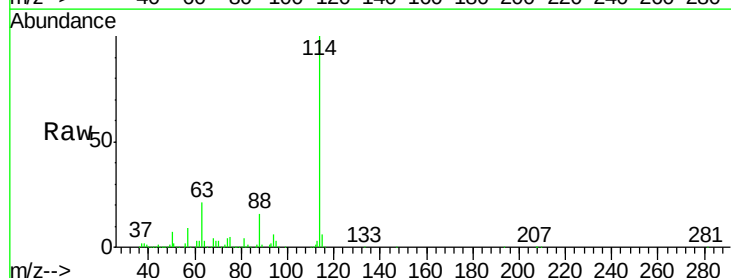
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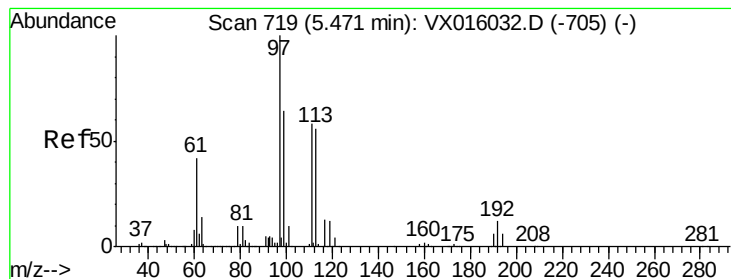
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016166.D
 Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	465835		
63	20.8	0.0	42.8	
88	16.1	0.0	31.4	





#35

Dibromofluoromethane

Concen: 49.948 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

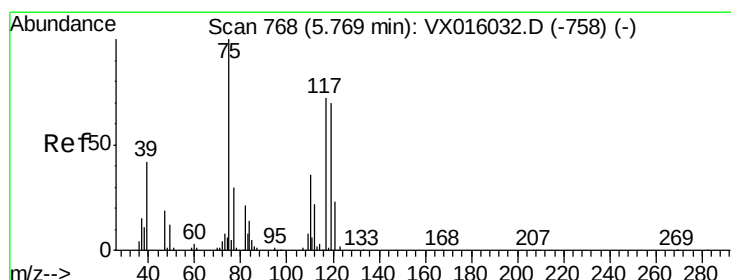
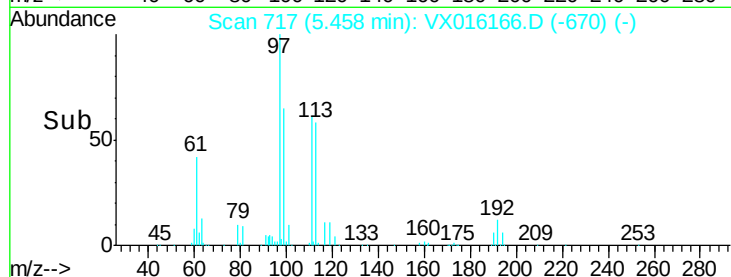
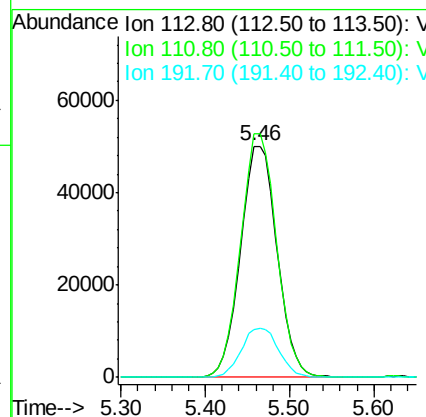
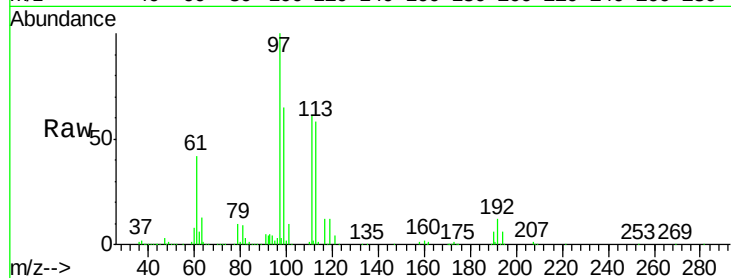
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	147411
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.6	122.4
192	21.8	17.0	25.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.268 ug/l

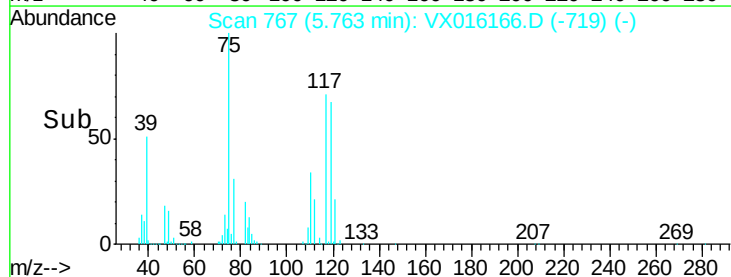
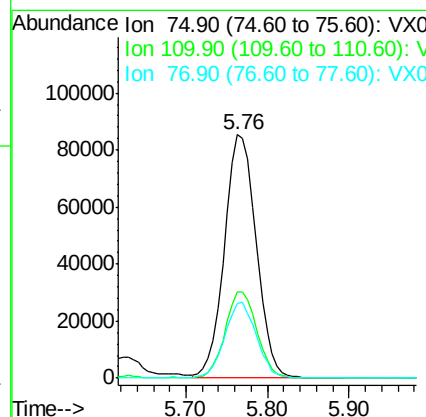
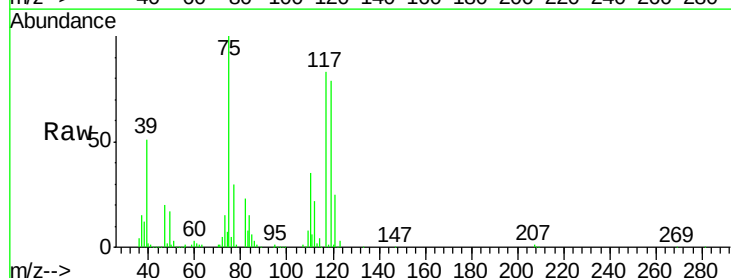
RT: 5.76 min Scan# 767

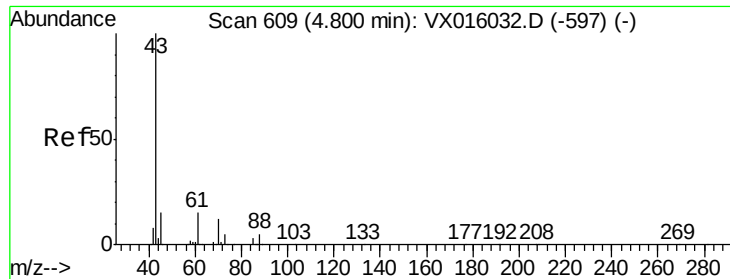
Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Tgt Ion:	75	Resp:	230502
Ion Ratio	Lower	Upper	
75	100		
110	35.6	18.1	54.1
77	31.1	25.0	37.6





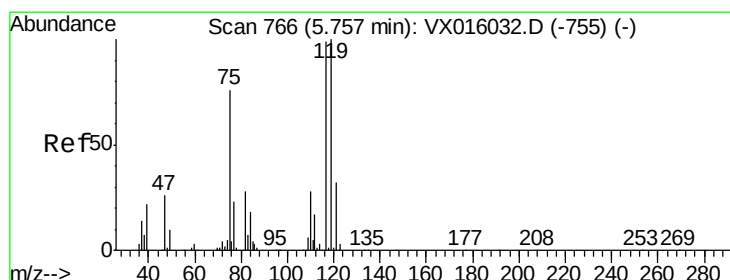
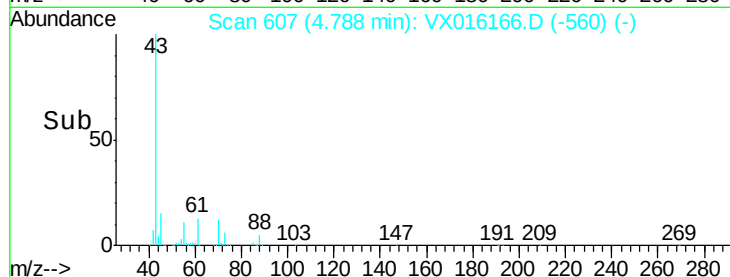
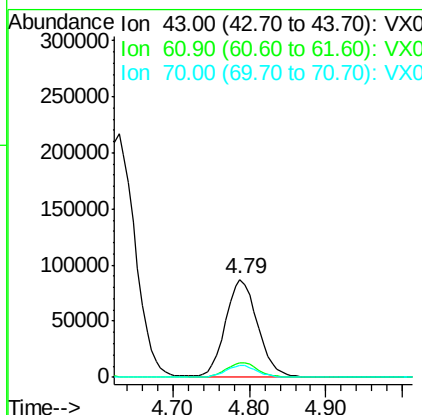
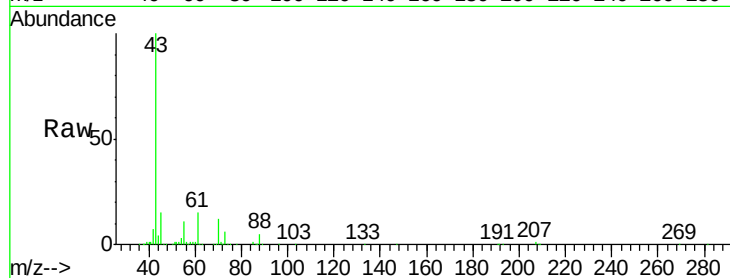
#37
Ethyl Acetate
Concen: 47.754 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	253797
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.7	17.5
70	11.9	9.3	13.9

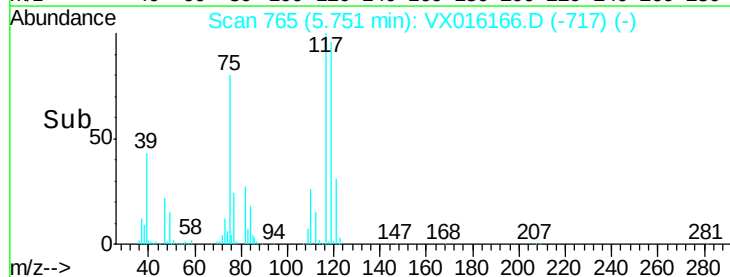
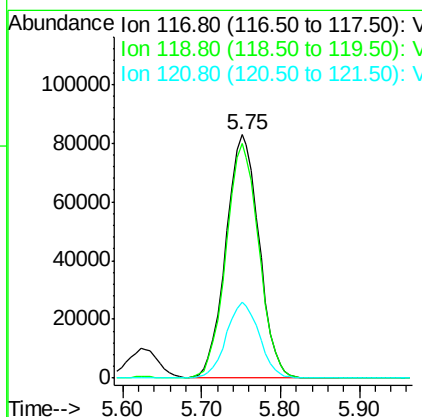
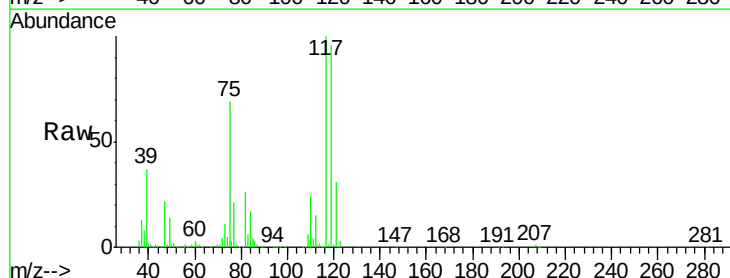
Manual Integrations
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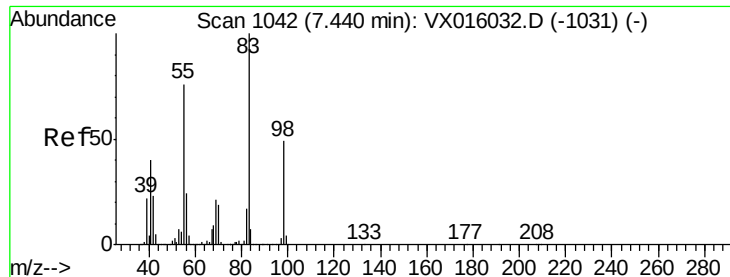
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5/14/2020 12:15:53 PM



#38
Carbon Tetrachloride
Concen: 51.843 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion:	117	Resp:	241632
Ion	Ratio	Lower	Upper
117	100		
119	96.5	80.3	120.5
121	31.2	25.7	38.5





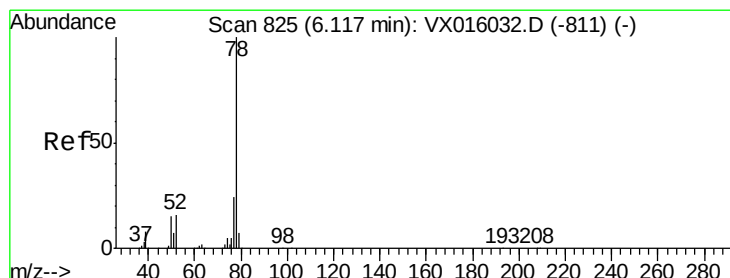
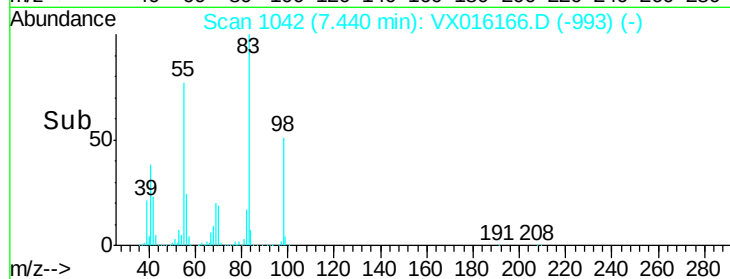
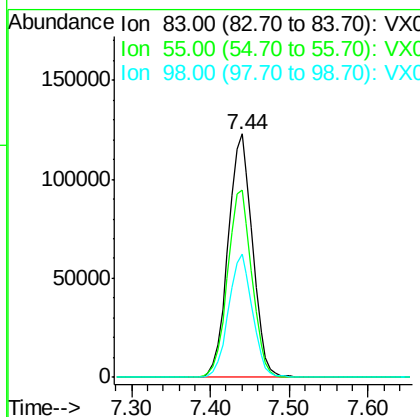
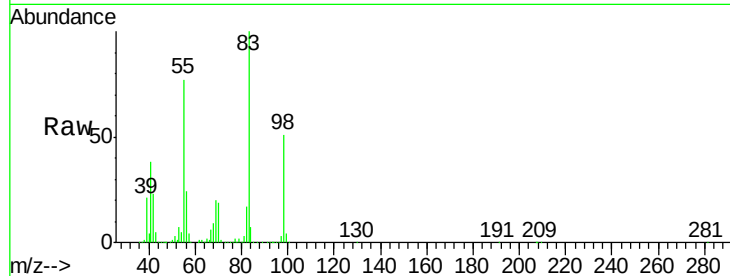
#39
Methylvlcyclohexane
Concen: 47.657 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	61.1	91.7
98	50.6	39.0	58.4

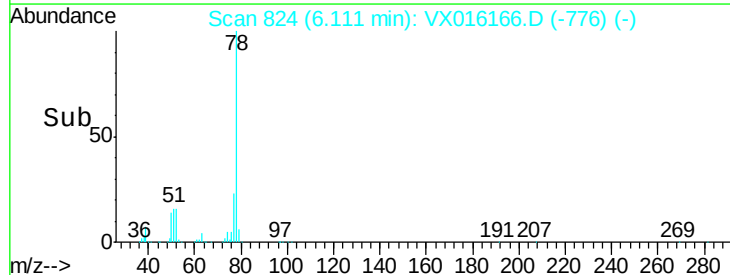
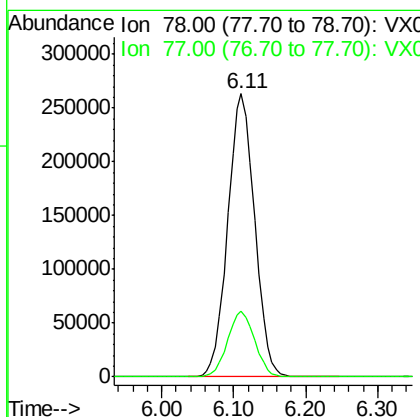
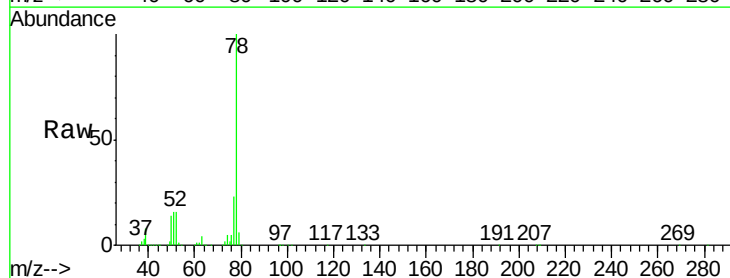
Manual Integrations
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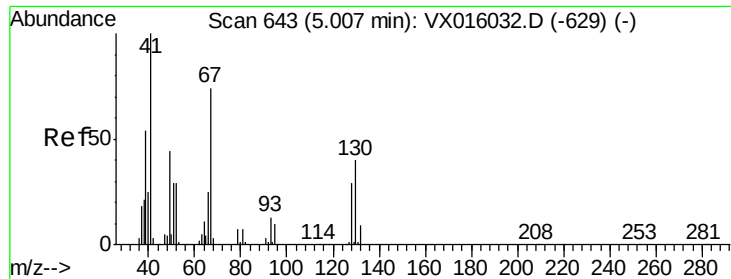
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#40
Benzene
Concen: 50.869 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





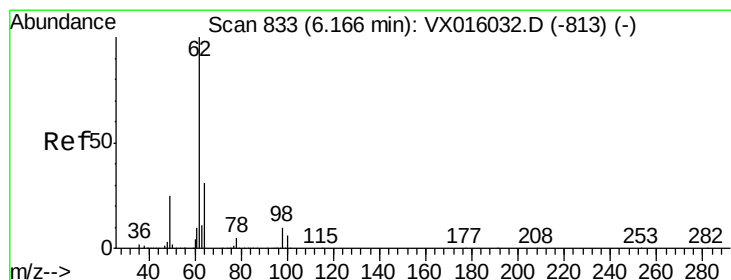
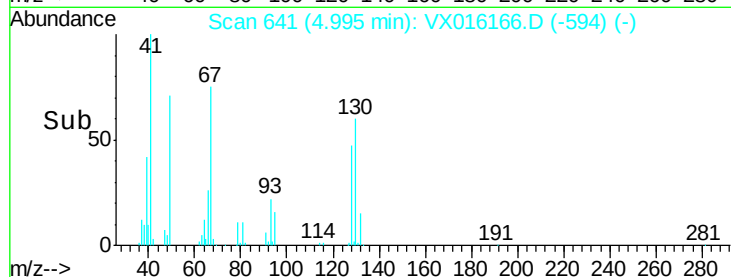
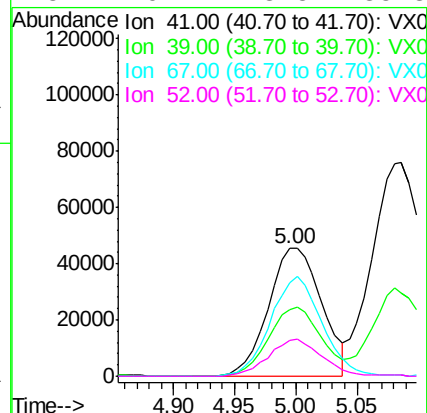
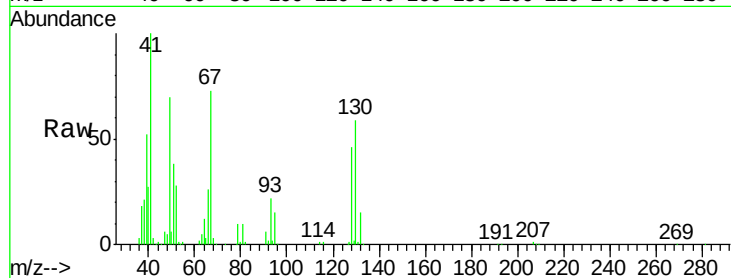
#41
Methacrylonitrile
Concen: 47.959 ug/l
RT: 5.00 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	137651		
39	53.0		43.2	64.8
67	76.0		59.3	88.9
52	29.7		23.5	35.3

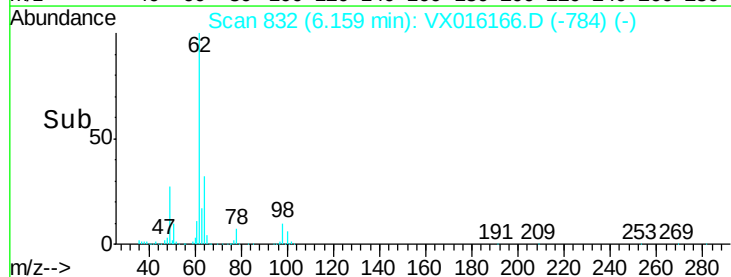
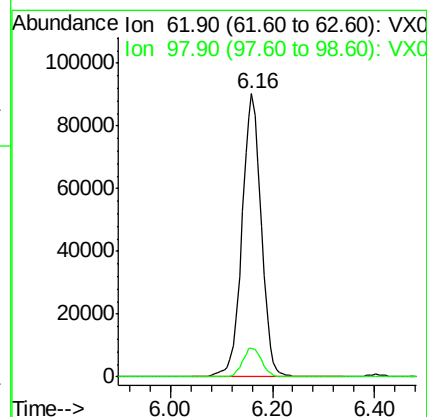
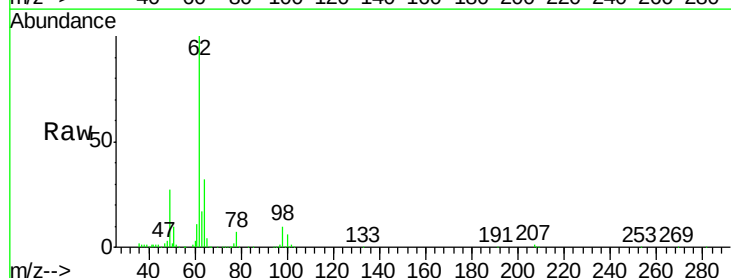
Manual Integrations
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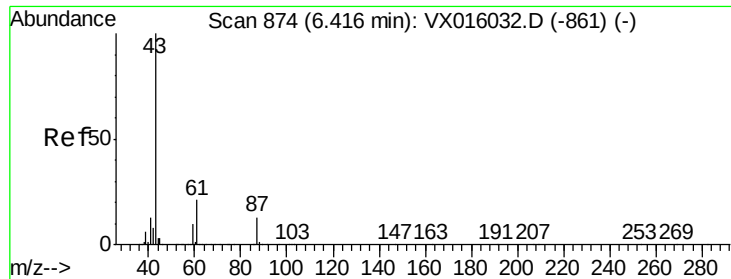
MMDadoda
5/14/2020 12:15:53 PM



#42
1,2-Dichloroethane
Concen: 48.955 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	236609		
98	10.3		0.0	19.4





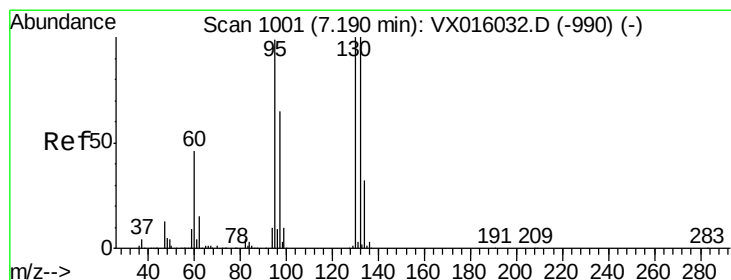
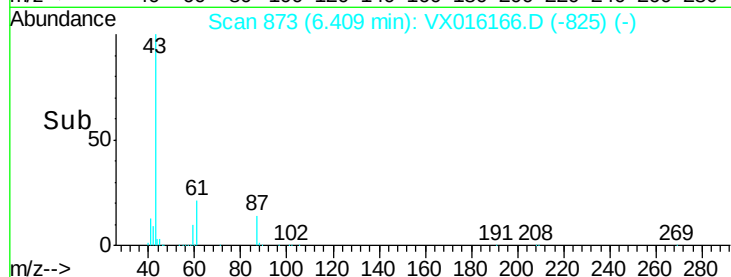
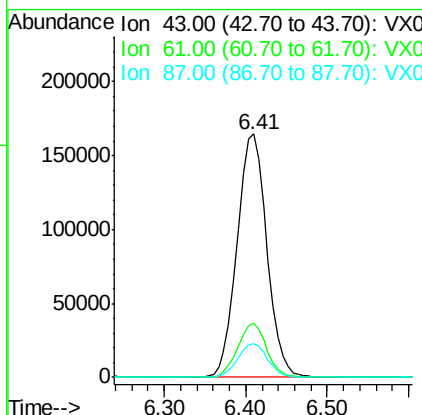
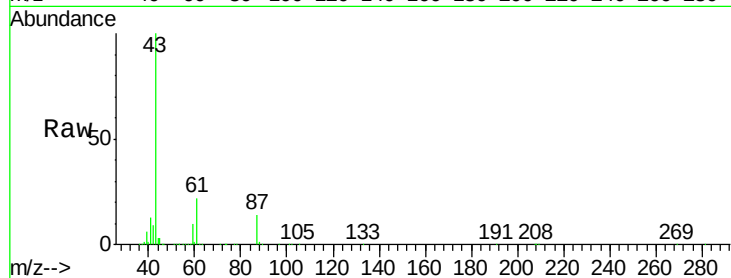
#43
Isopropyl Acetate
Concen: 48.854 ug/l
RT: 6.41 min Scan# 873
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	14.1	11.0	16.6

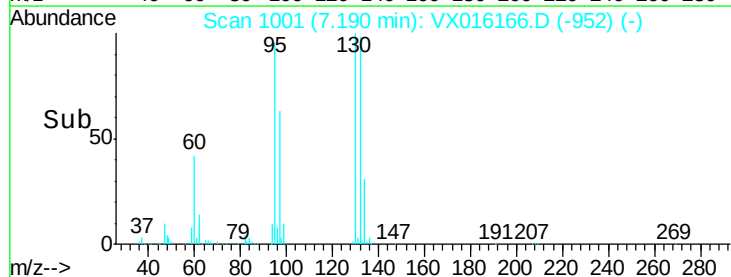
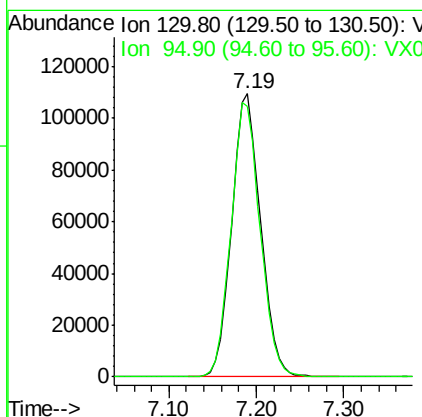
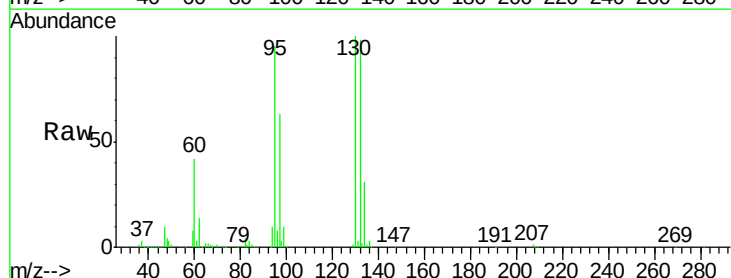
Manual Integrations
APPROVED

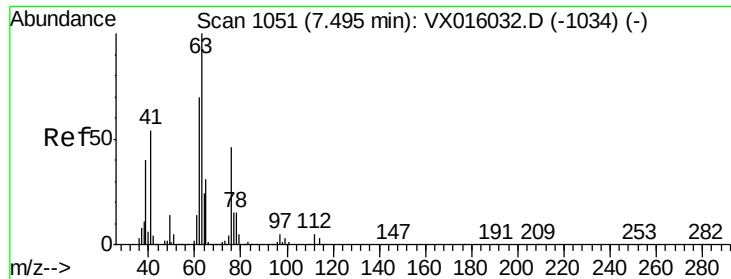
MMDadoda
5/14/2020 12:15:53 PM



#44
Trichloroethene
Concen: 52.810 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	197.4





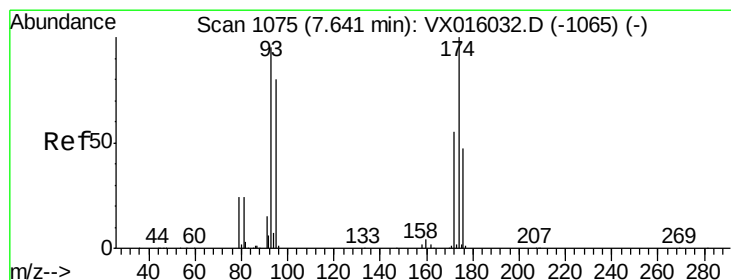
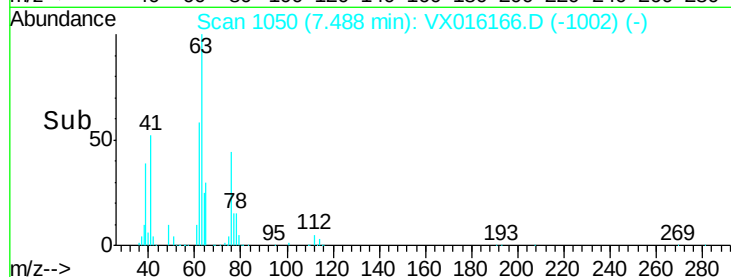
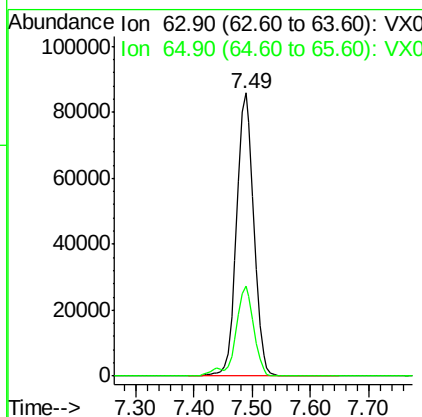
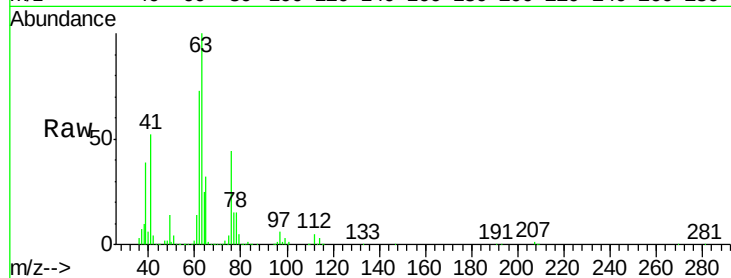
#45
 1,2-Dichloropropane
 Concen: 52.221 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX016166.D
 Acq: 13 May 2020 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.4	36.6

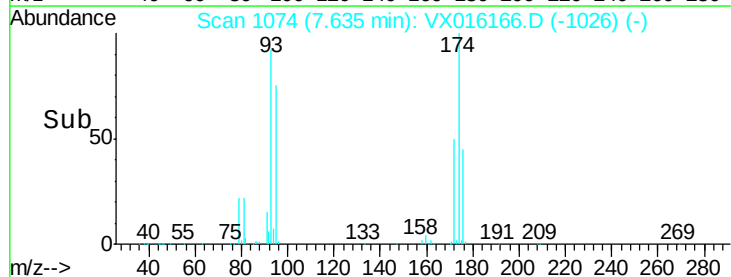
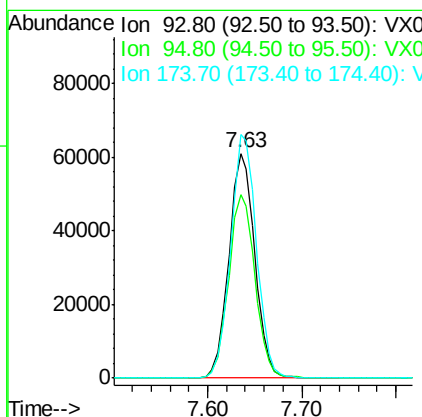
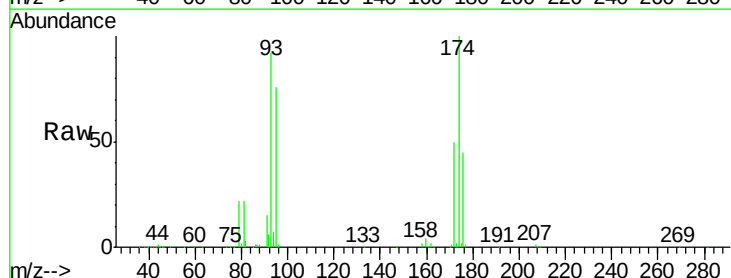
Manual Integrations
 APPROVED

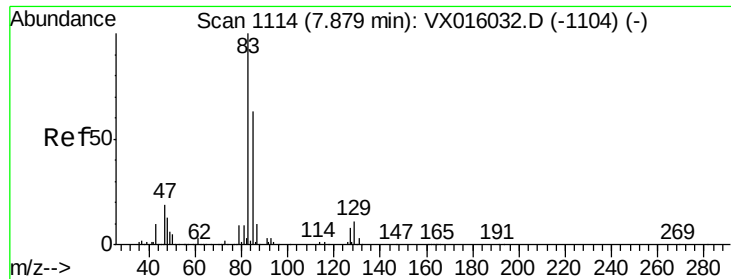
MMDadoda
 5/14/2020 12:15:53 PM



#46
 Dibromomethane
 Concen: 50.458 ug/l
 RT: 7.63 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VX016166.D
 Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.6	100.0
174	107.9	84.2	126.4





#47

Bromodichloromethane

Concen: 52.170 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

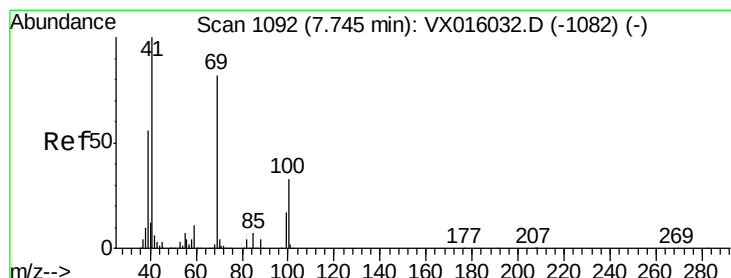
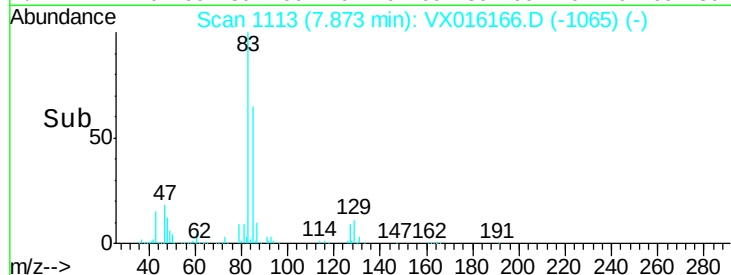
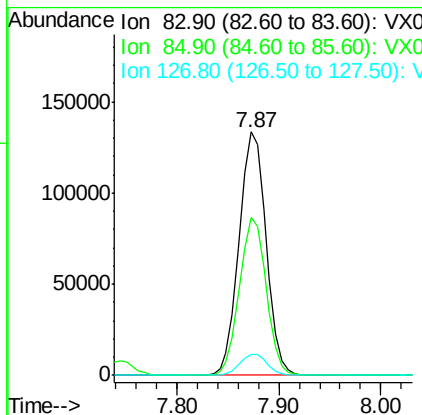
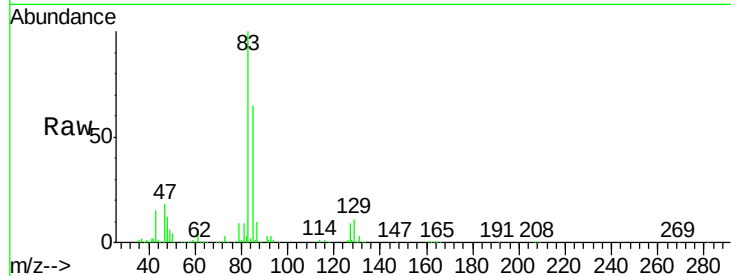
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	245135
Ion Ratio	Lower	Upper	
83	100		
85	64.7	50.5	75.7
127	8.6	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
5/14/2020 12:15:53 PM



#48

Methyl methacrylate

Concen: 48.682 ug/l

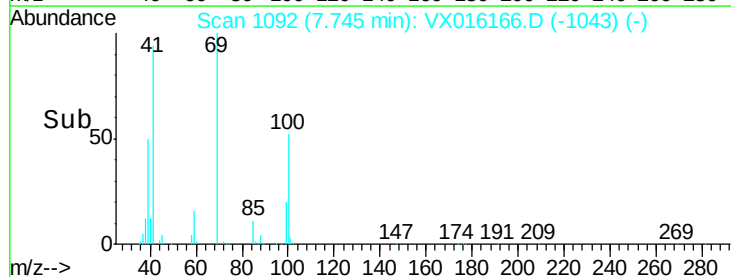
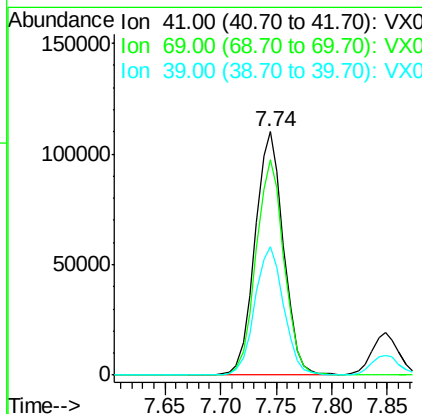
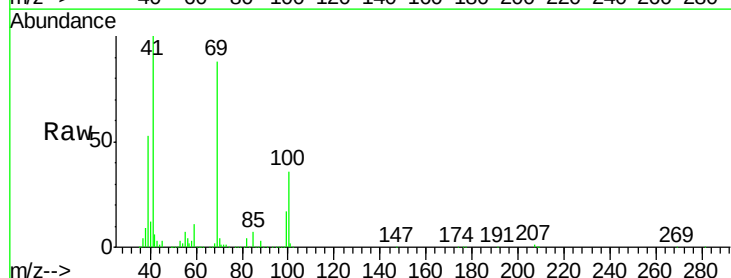
RT: 7.74 min Scan# 1092

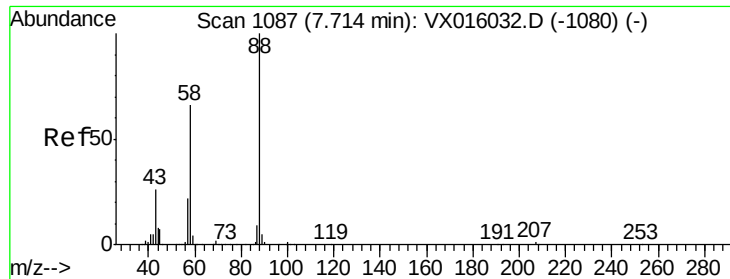
Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Tgt Ion:	41	Resp:	195611
Ion Ratio	Lower	Upper	
41	100		
69	87.4	67.8	101.6
39	53.5	44.6	67.0





#49

1,4-Dioxane

Concen: 829.422 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

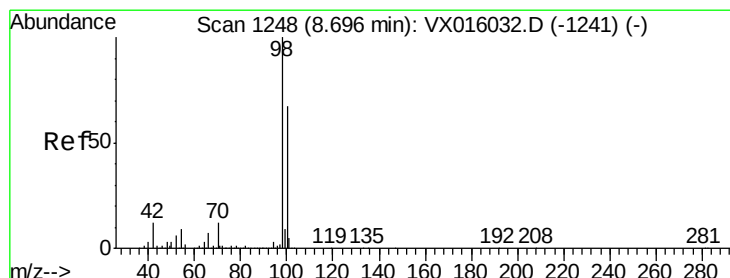
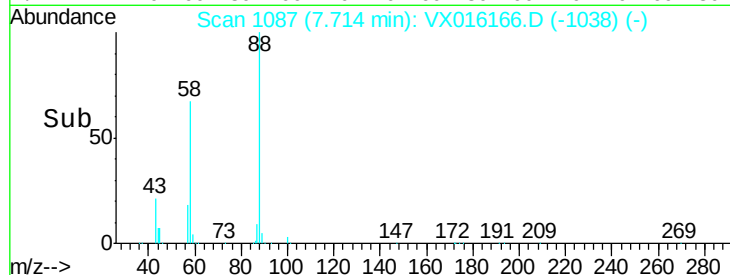
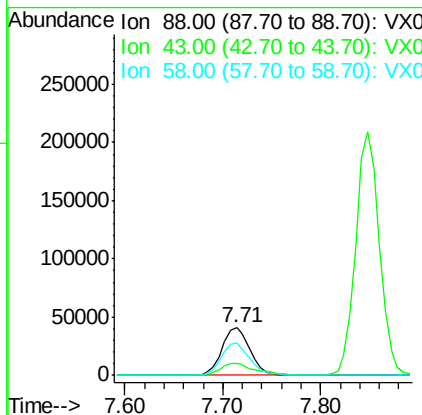
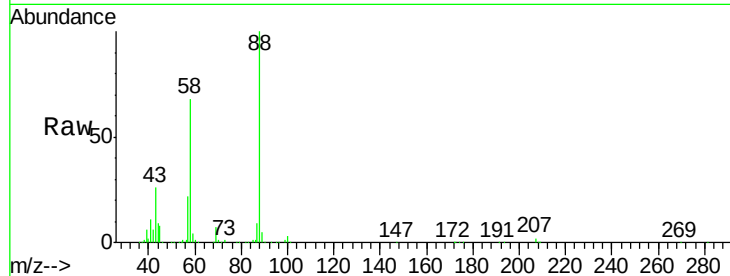
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	79930
Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.3	37.9
58	70.3	55.9	83.9

Manual Integrations
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#50

Toluene-d8

Concen: 51.745 ug/l

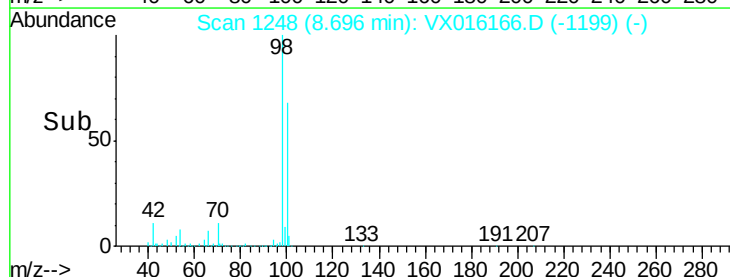
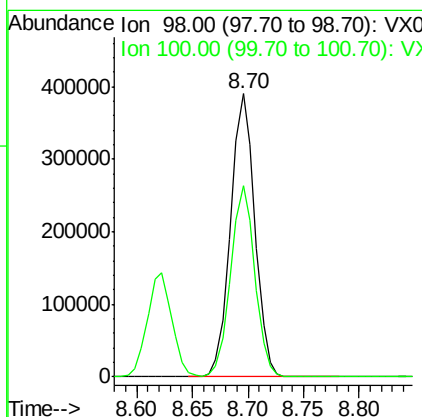
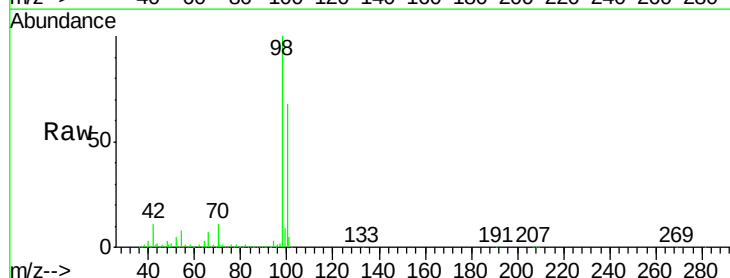
RT: 8.70 min Scan# 1248

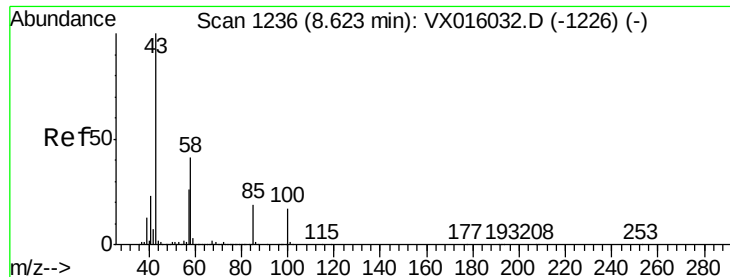
Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Tgt Ion:	98	Resp:	588417
Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 244.360 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1268021

Ion Ratio Lower Upper

43 100

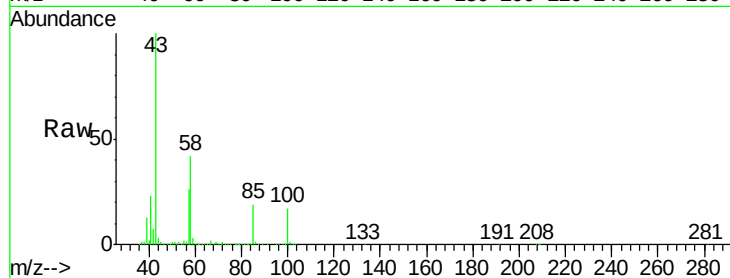
58 42.0 33.0 49.4

Manual Integrations

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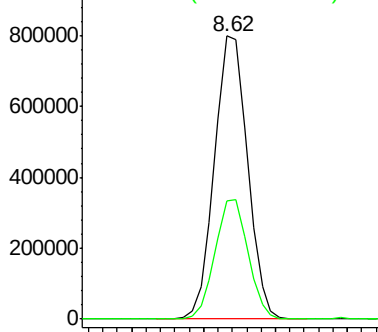
MMDadoda

5/14/2020 12:15:53 PM

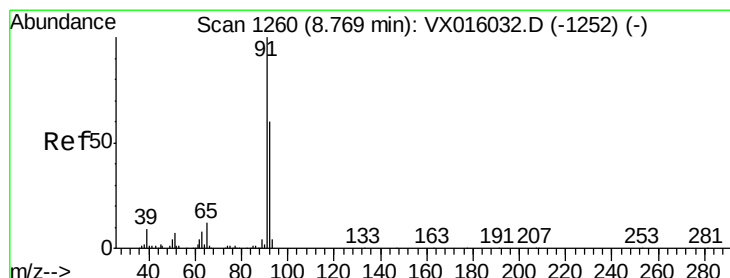
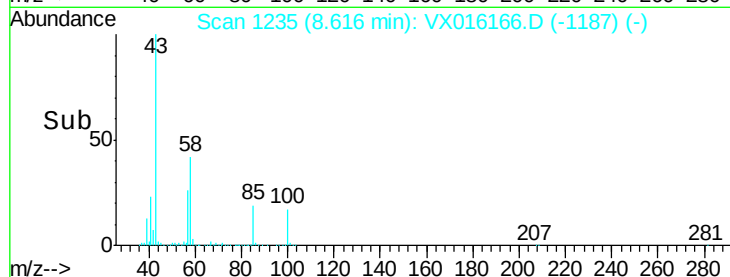


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 52.291 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016166.D

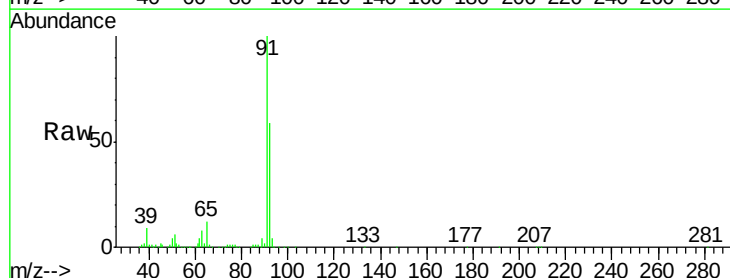
Acq: 13 May 2020 09:53

Tgt Ion: 92 Resp: 437306

Ion Ratio Lower Upper

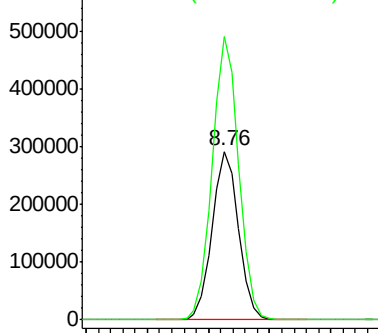
92 100

91 168.4 134.5 201.7

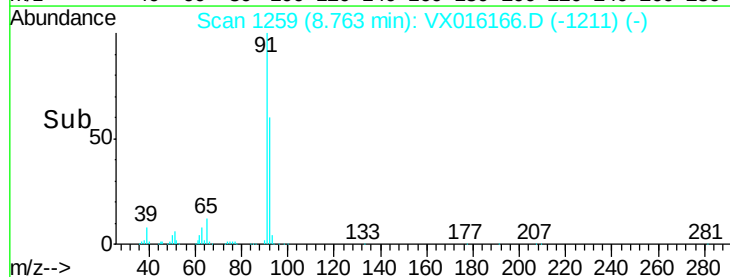


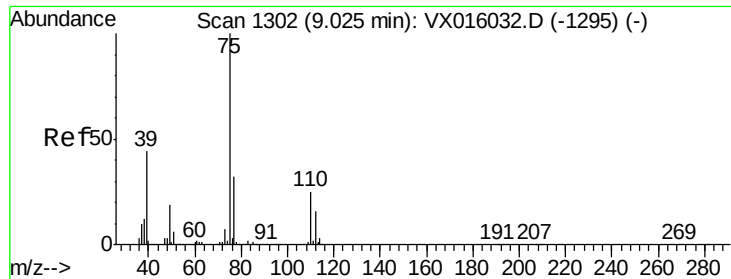
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->





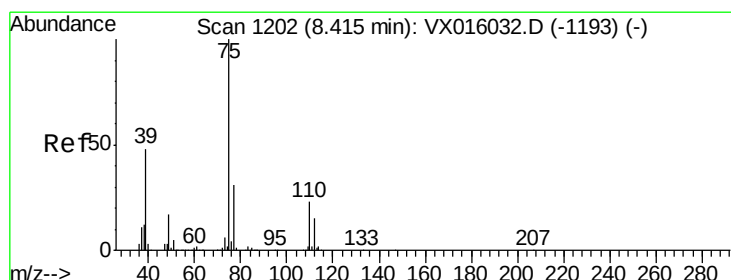
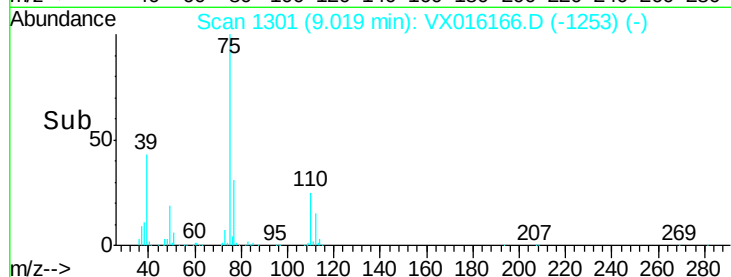
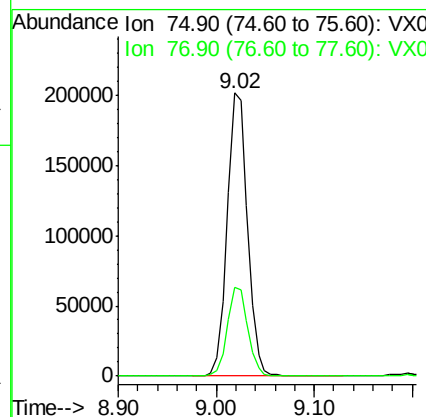
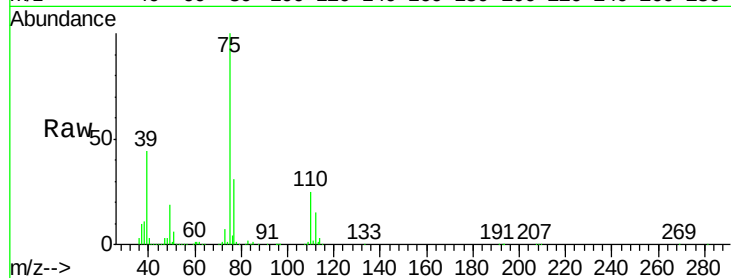
#53
t-1,3-Dichloropropene
Concen: 51.844 ug/l
RT: 9.02 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5

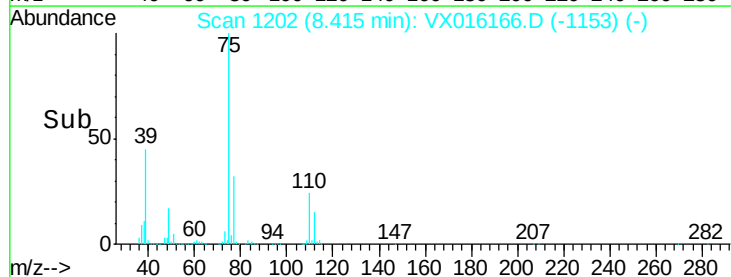
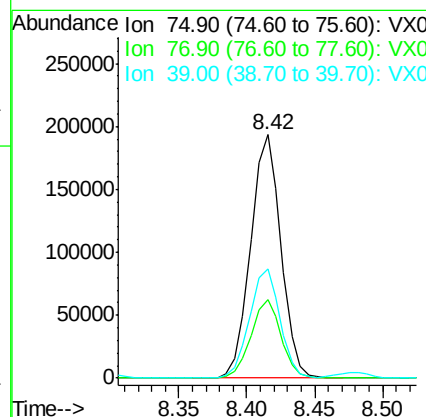
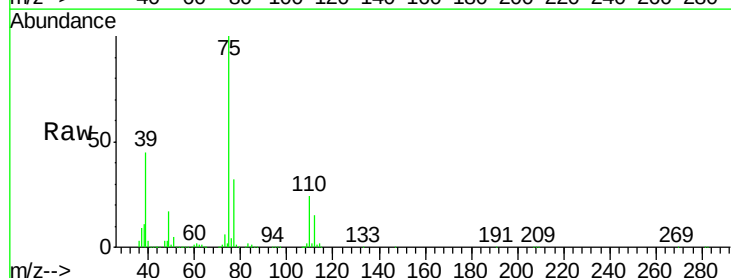
Manual Integrations
APPROVED

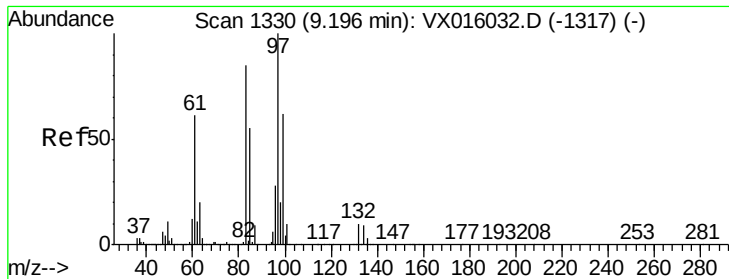
MMDadoda
5/14/2020 12:15:53 PM



#54
cis-1,3-Dichloropropene
Concen: 51.748 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	45.1	38.7	58.1





#55

1,1,2-Trichloroethane

Concen: 51.956 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

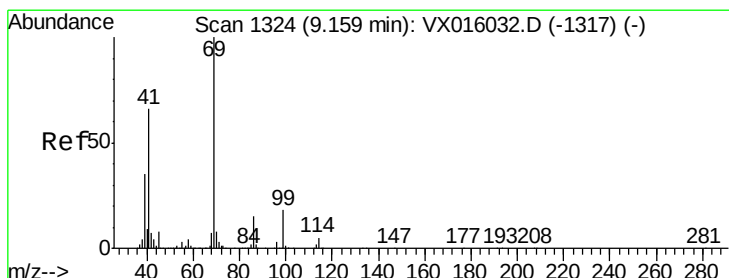
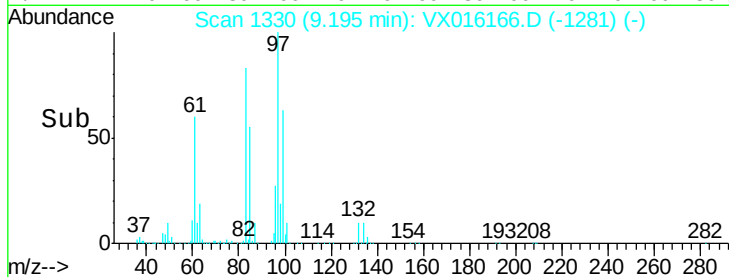
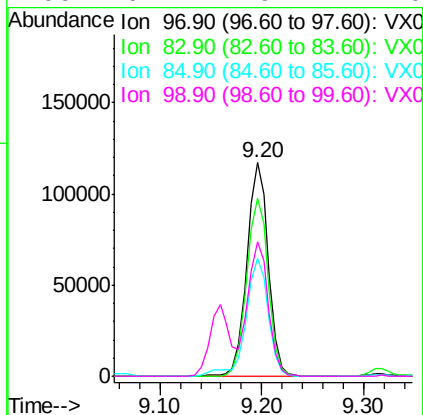
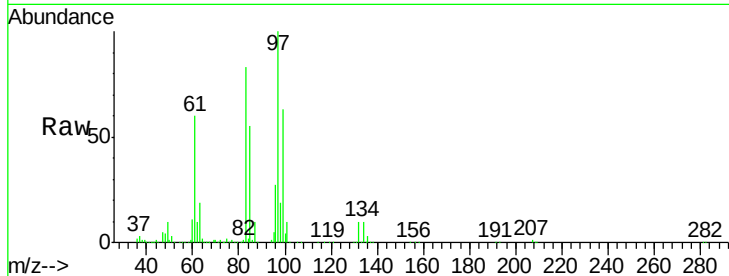
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	170950
Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.8	101.8
85	55.1	43.8	65.8
99	62.7	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.062 ug/l

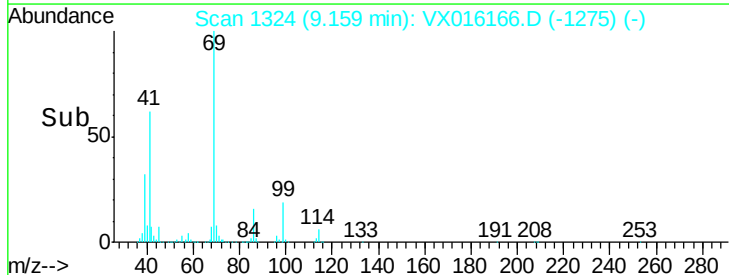
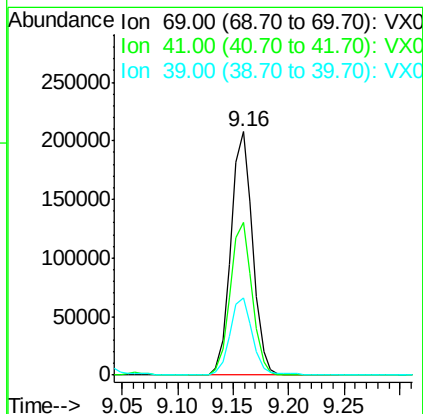
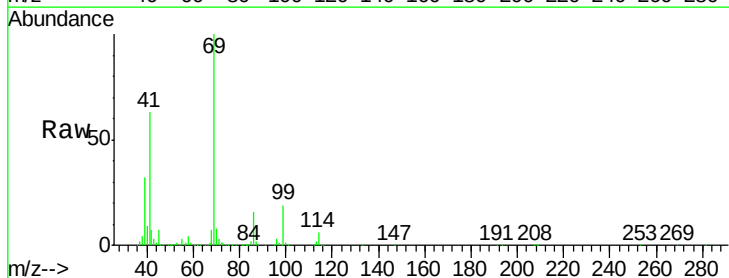
RT: 9.16 min Scan# 1324

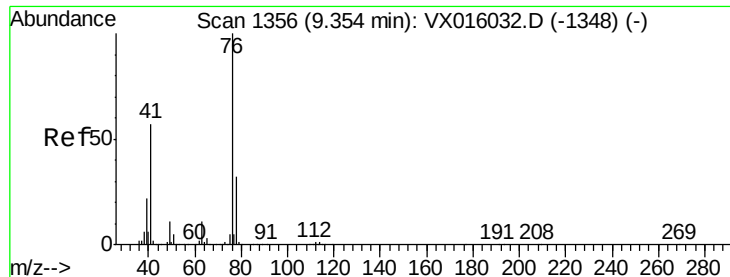
Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Tgt Ion:	69	Resp:	279613
Ion	Ratio	Lower	Upper
69	100		
41	63.0	52.2	78.4
39	32.9	28.2	42.4





#57

1,3-Dichloropropane

Concen: 51.877 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 297841

Ion Ratio Lower Upper

76 100

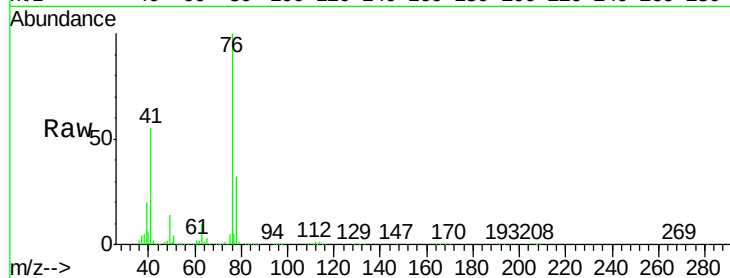
78 32.2 25.9 38.9

Manual Integrations

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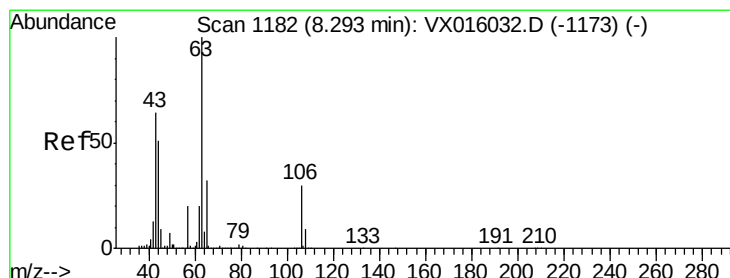
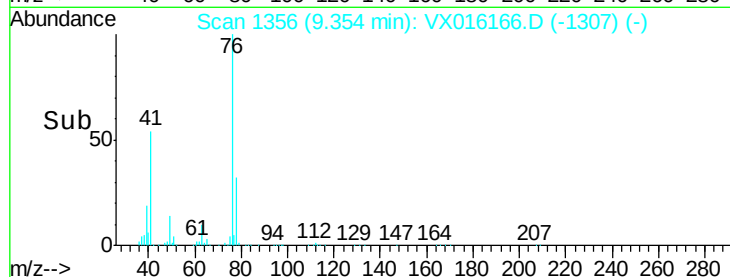
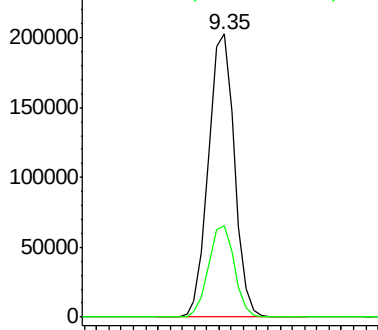
MMDadoda

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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: 269.480 ug/l

RT: 8.29 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VX016166.D

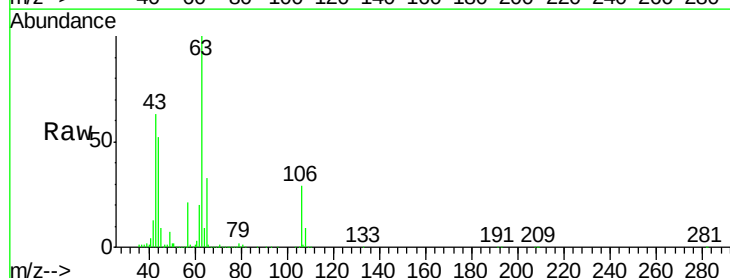
Acq: 13 May 2020 09:53

Tgt Ion: 63 Resp: 770520

Ion Ratio Lower Upper

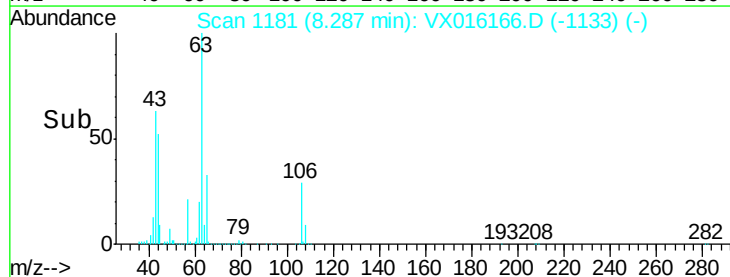
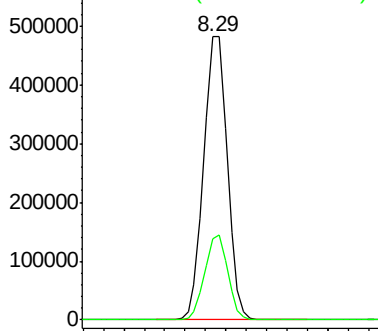
63 100

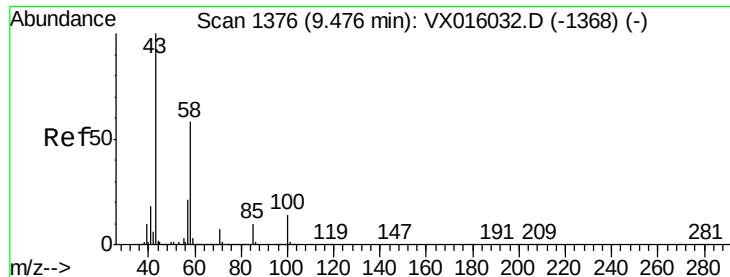
106 29.2 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





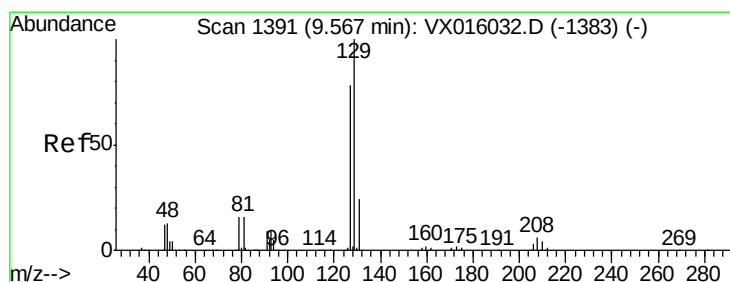
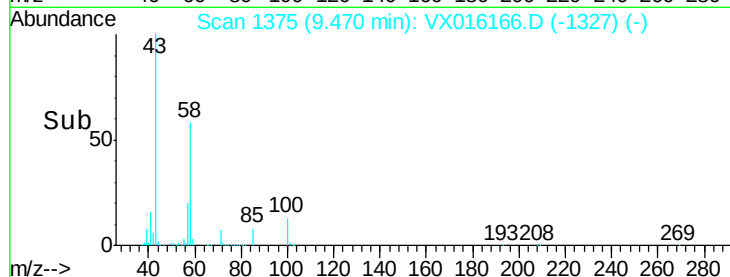
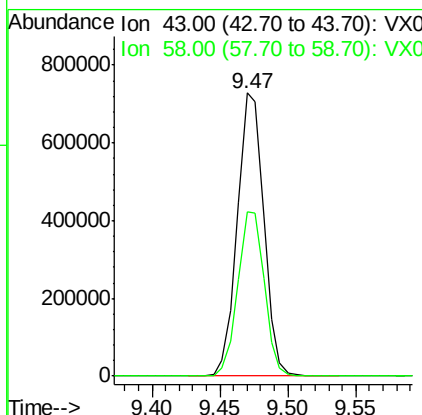
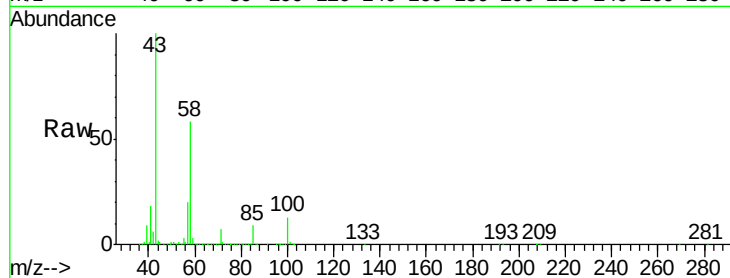
#59
2-Hexanone
Concen: 242.857 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.4	28.6	85.9

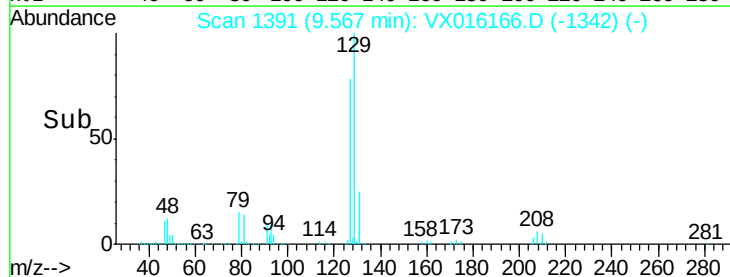
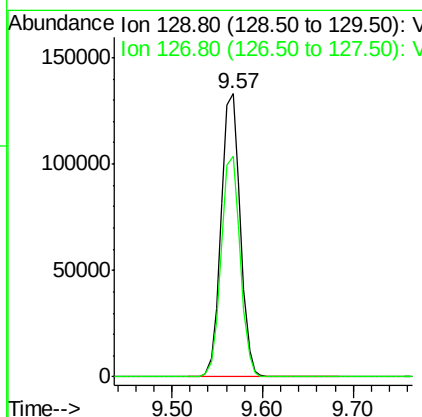
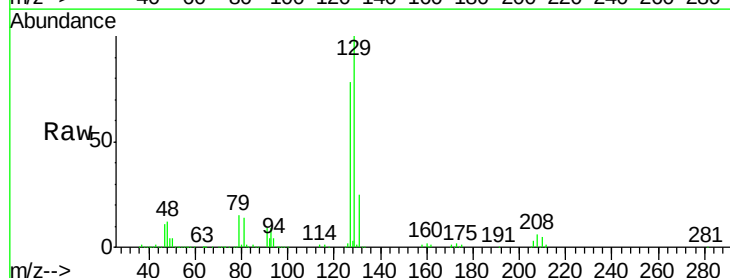
Manual Integrations
APPROVED

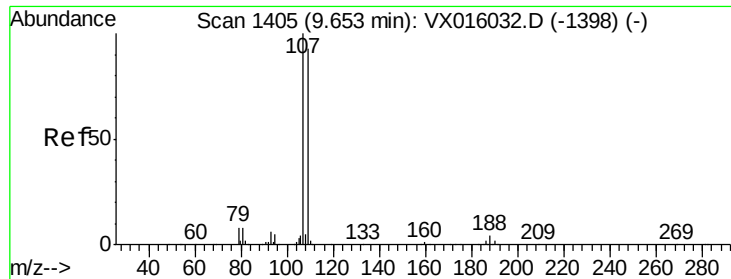
MMDadoda
5/14/2020 12:15:53 PM



#60
Dibromochloromethane
Concen: 54.043 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.4	115.2





#61

1,2-Dibromoethane

Concen: 51.446 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 183354

Ion Ratio Lower Upper

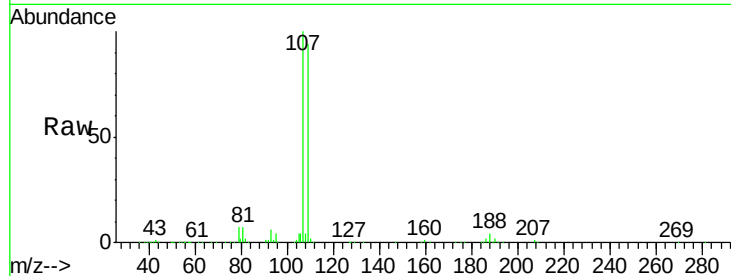
107 100

109 94.3 74.9 112.3

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

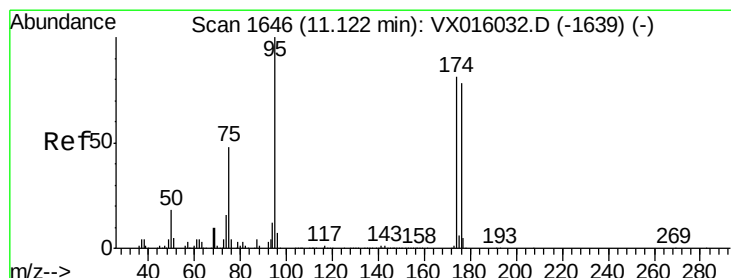
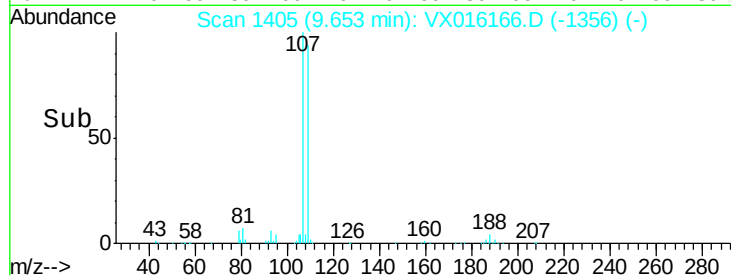
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.722 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

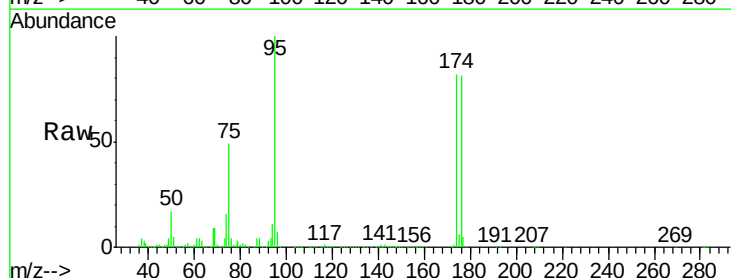
Tgt Ion: 95 Resp: 223704

Ion Ratio Lower Upper

95 100

174 81.7 0.0 159.4

176 79.8 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

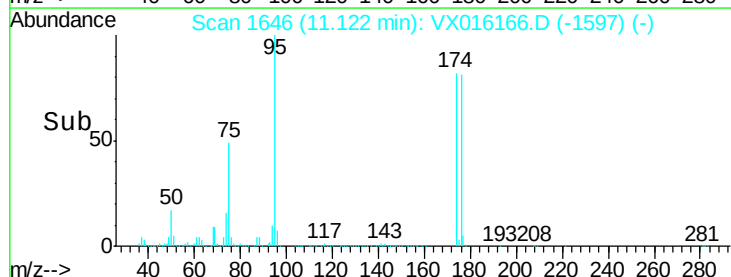
150000

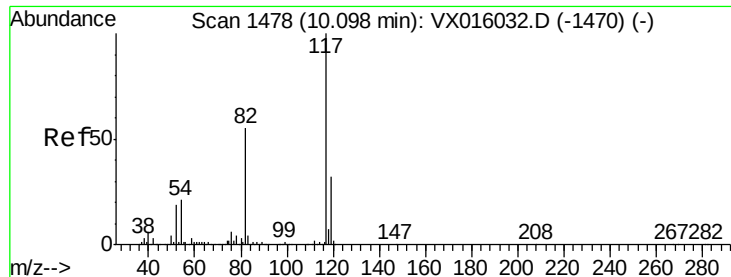
100000

50000

0

Time-->





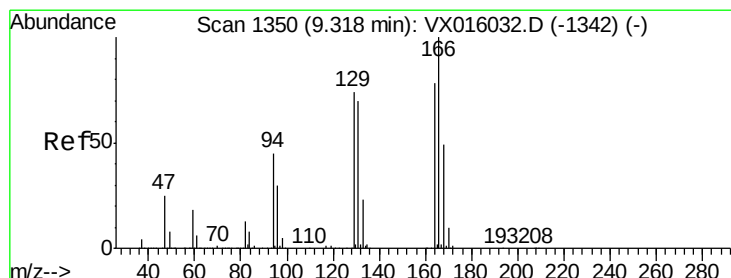
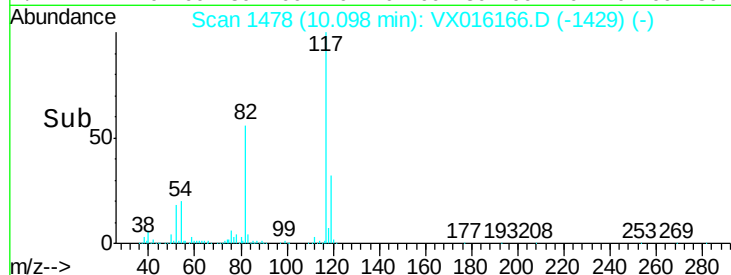
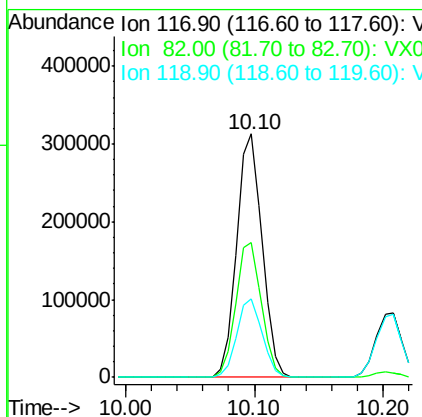
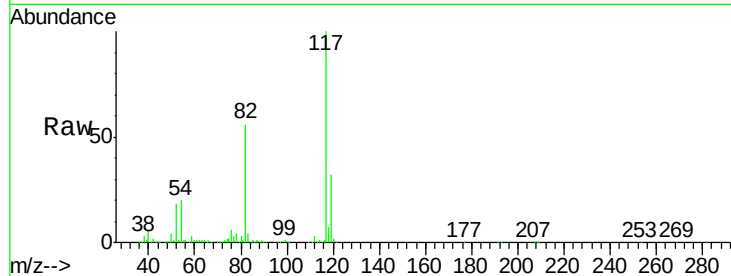
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	428415		
82	55.5	44.4	66.6	
119	32.4	25.5	38.3	

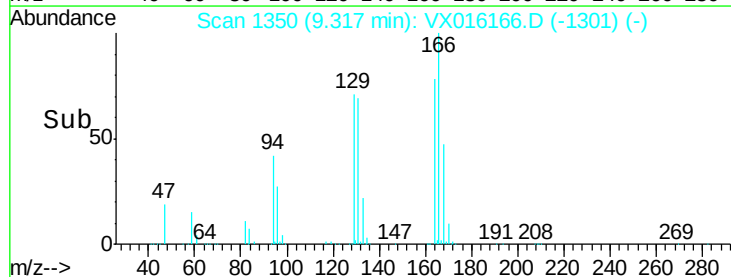
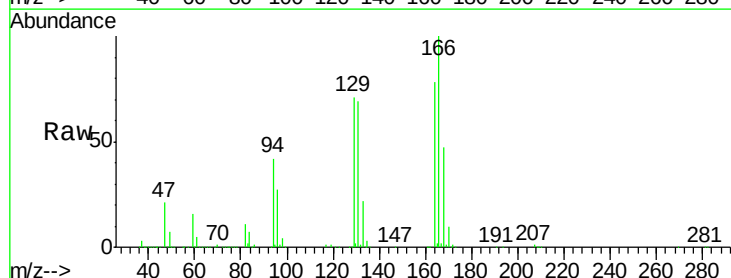
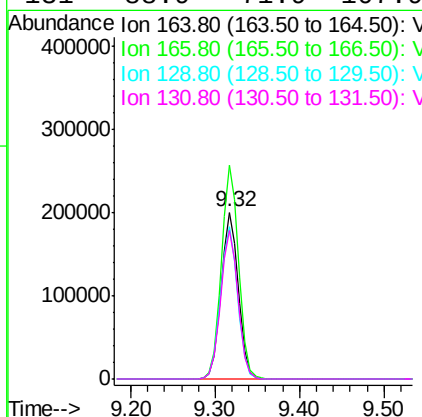
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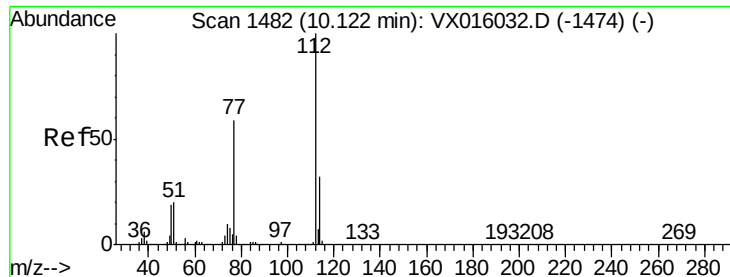
MMDadoda
5/14/2020 12:15:53 PM



#64
Tetrachloroethene
Concen: 53.646 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	282145		
166	128.3	102.9	154.3	
129	91.5	76.1	114.1	
131	88.9	71.9	107.9	





#65

Chlorobenzene

Concen: 52.013 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 466587

Ion Ratio Lower Upper

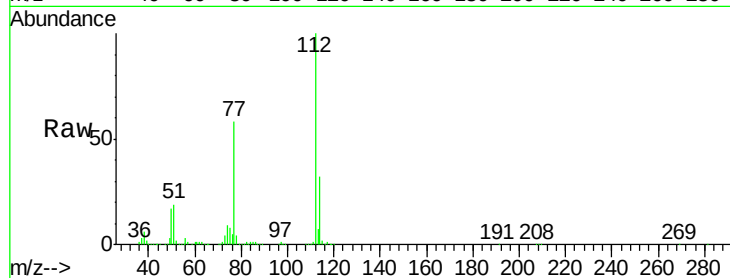
112 100

114 31.5 25.7 38.5

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

10.12

400000

300000

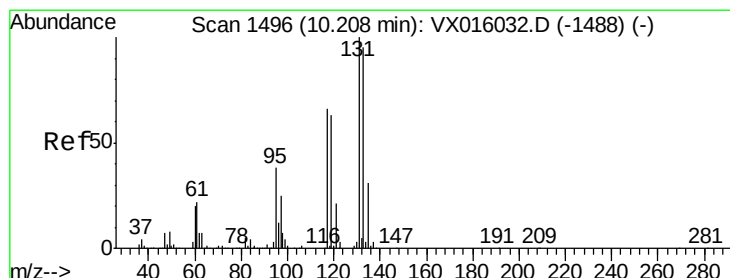
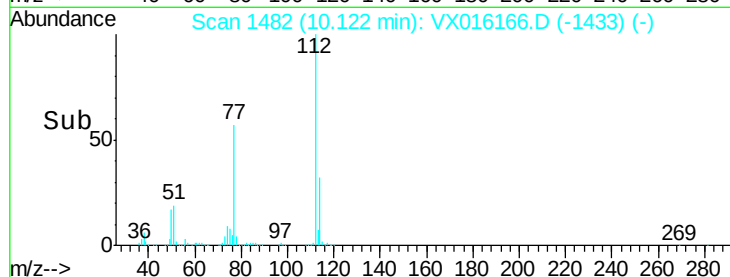
200000

100000

0

10.10 10.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 53.107 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

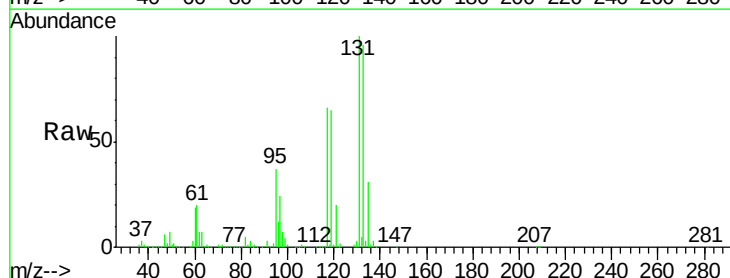
Tgt Ion:131 Resp: 176082

Ion Ratio Lower Upper

131 100

133 94.0 48.3 144.8

119 63.2 32.3 96.9



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

10.21

150000

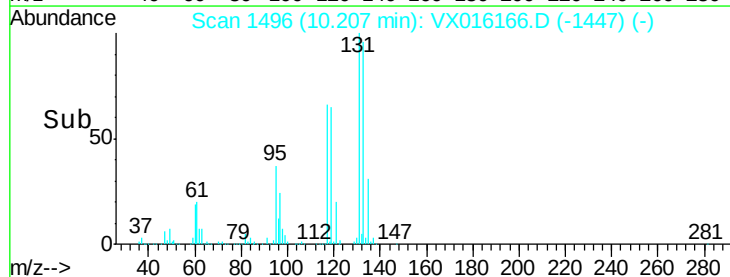
100000

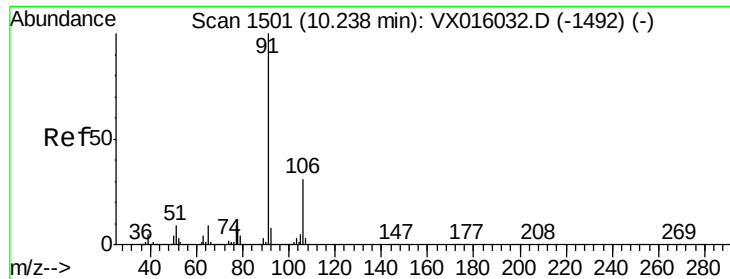
50000

0

10.10 10.20 10.30

Time-->





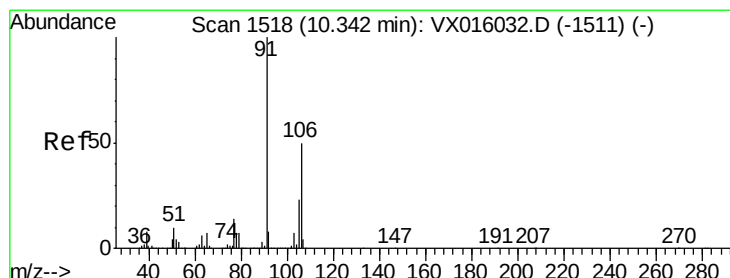
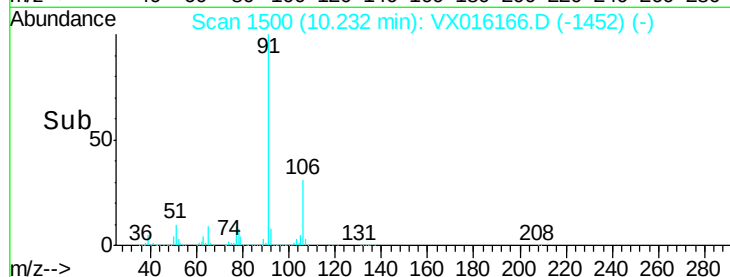
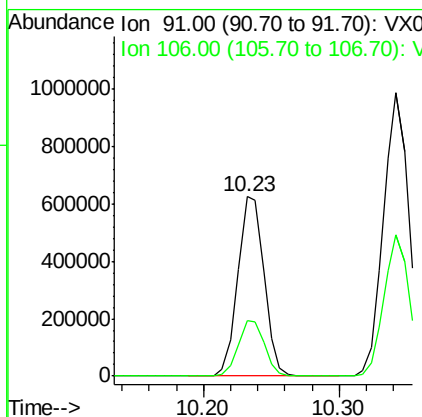
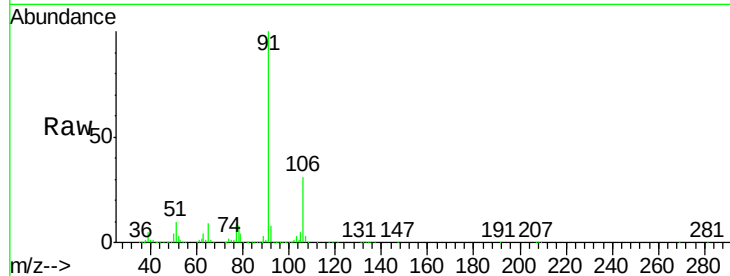
#67
Ethyl Benzene
Concen: 52.446 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 839429
Ion Ratio Lower Upper
91 100
106 30.9 25.1 37.7

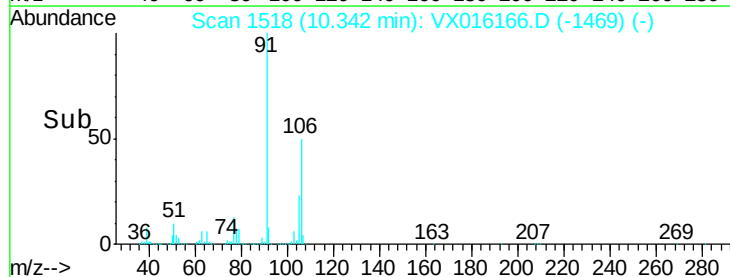
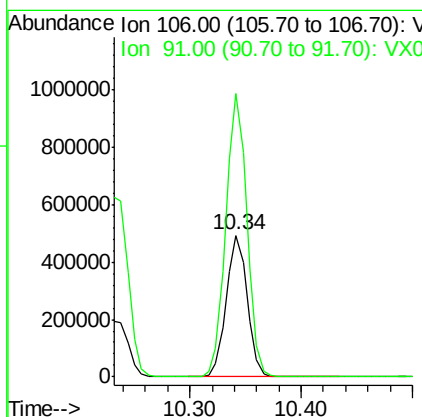
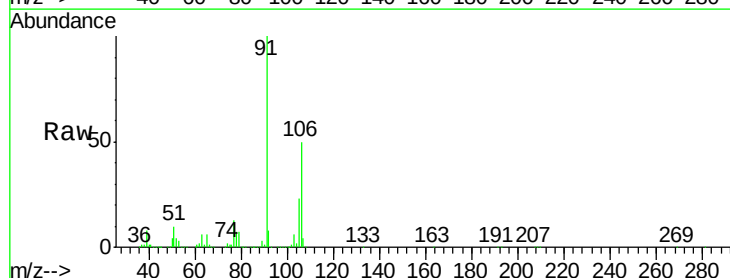
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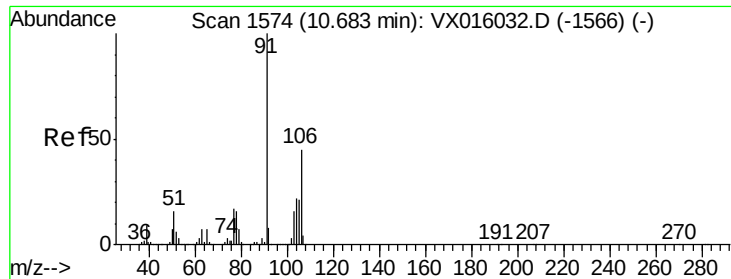
MMDadoda
5/14/2020 12:15:53 PM



#68
m/p-Xylenes
Concen: 106.590 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion: 106 Resp: 639194
Ion Ratio Lower Upper
106 100
91 201.8 161.7 242.5





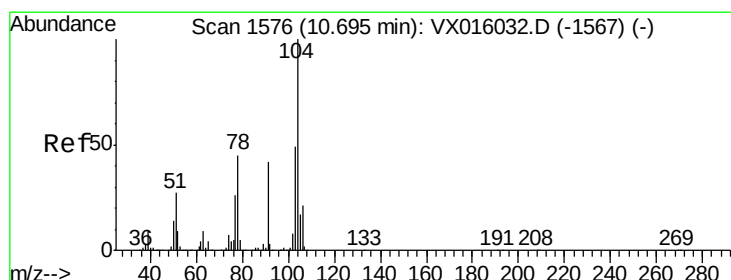
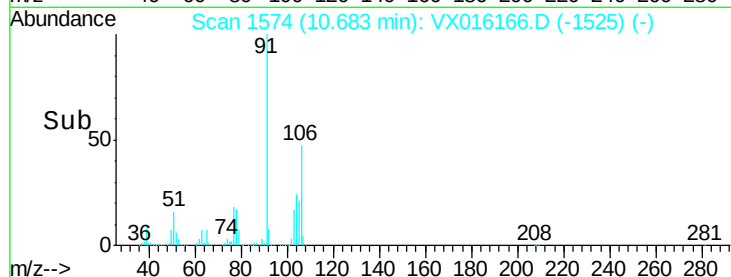
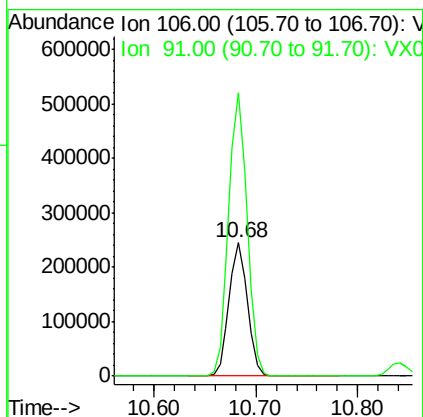
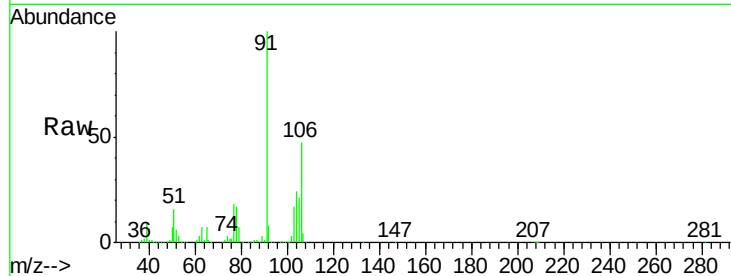
#69
o-Xylene
Concen: 52.974 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.5	107.5	305356	322.6	

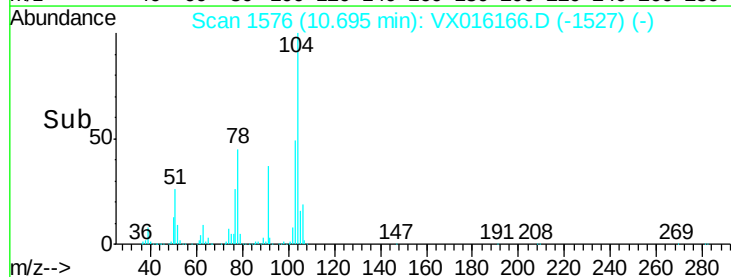
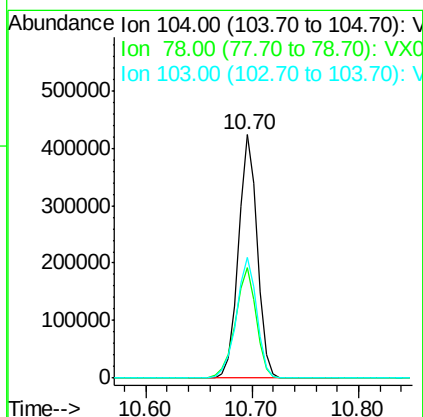
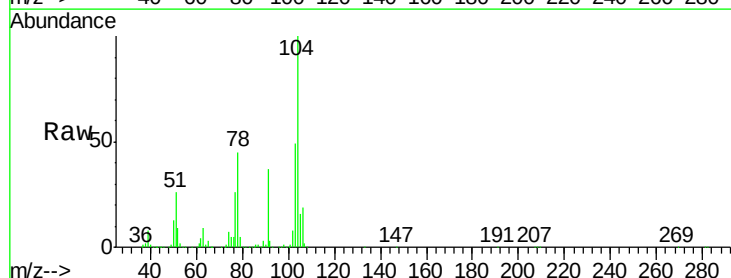
Manual Integrations
APPROVED

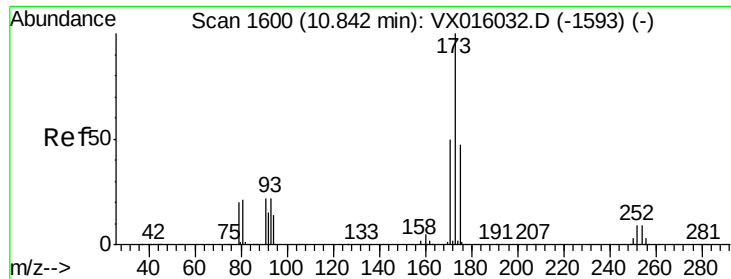
MMDadoda
5/14/2020 12:15:53 PM



#70
Styrene
Concen: 53.733 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	50.1	40.2	525465	60.2	
103	53.9	43.0		64.6	





#71

Bromoform

Concen: 55.611 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 150223

Ion Ratio Lower Upper

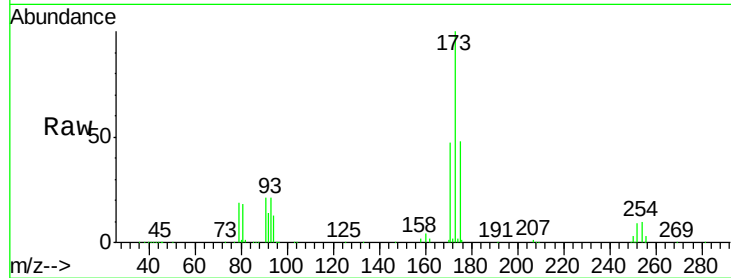
173 100

175 48.7 24.0 72.0

254 0.1 0.1 0.1#

Manual Integrations
APPROVED

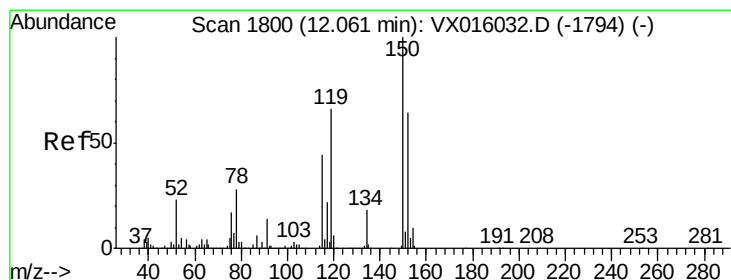
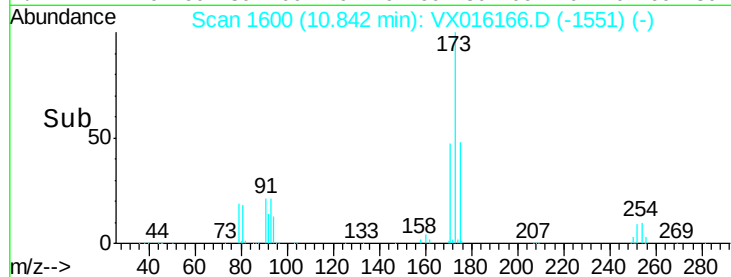
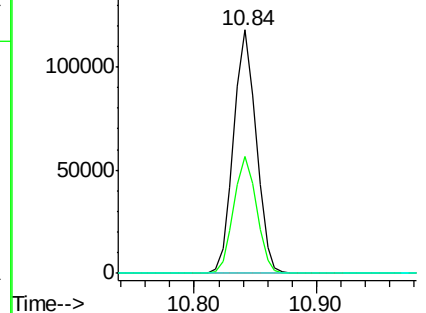
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX016166.D

Acq: 13 May 2020 09:53

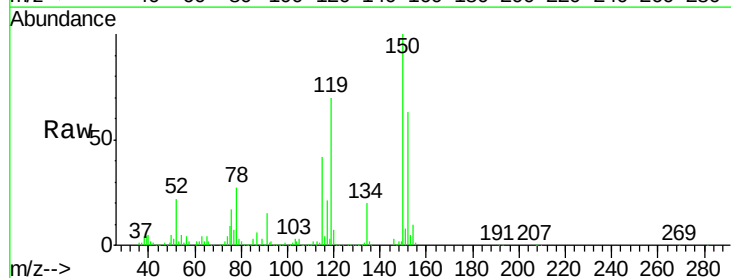
Tgt Ion:152 Resp: 218721

Ion Ratio Lower Upper

152 100

115 82.9 41.3 124.1

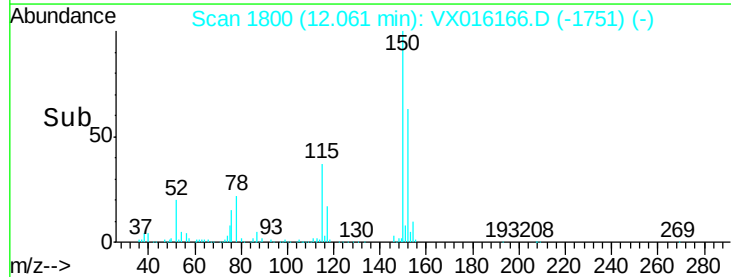
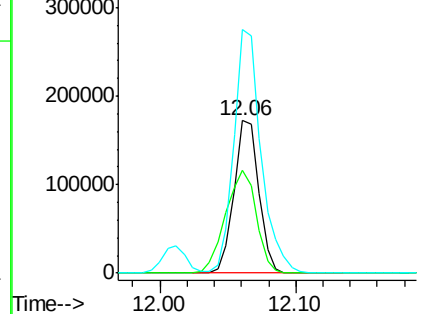
150 174.8 0.0 352.2

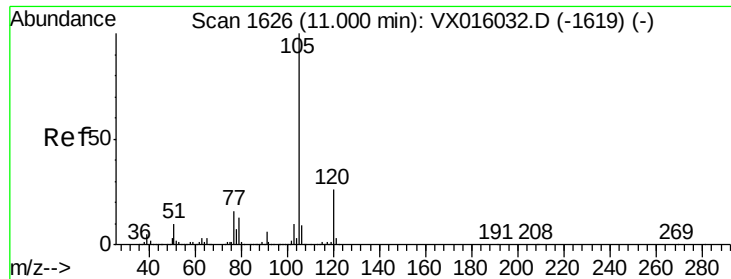


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.215 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 814758

Ion Ratio Lower Upper

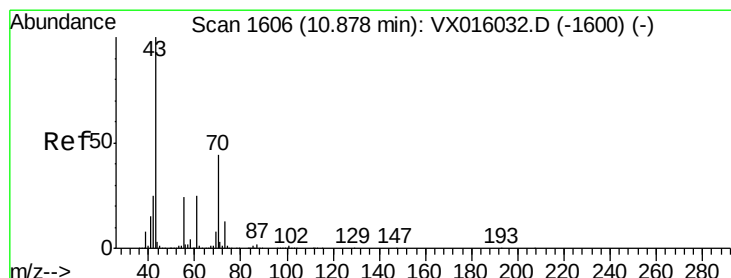
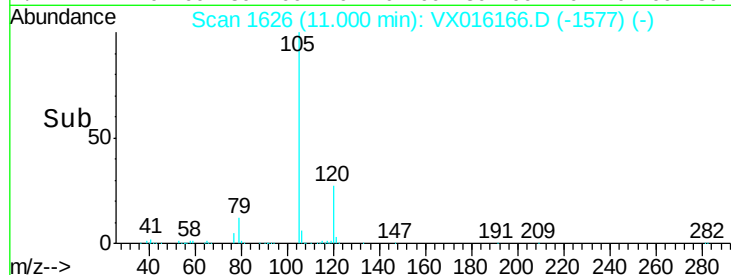
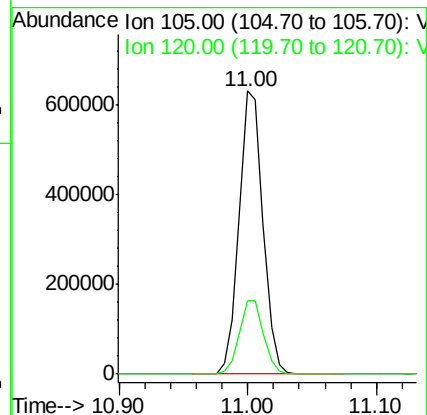
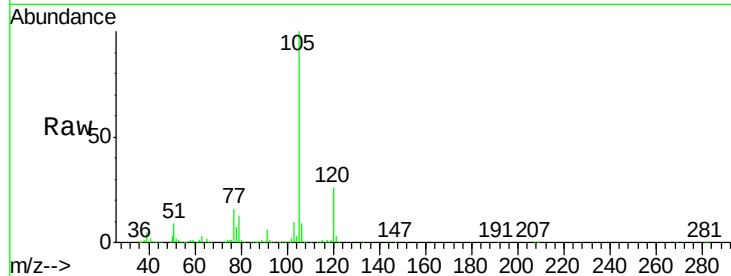
105 100

120 26.4 13.4 40.2

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#74

N-ethyl acetate

Concen: 48.492 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Tgt Ion: 43 Resp: 359830

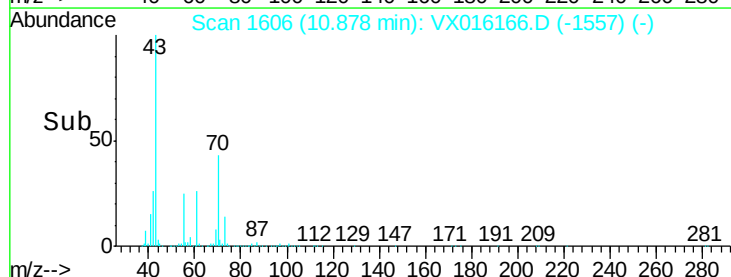
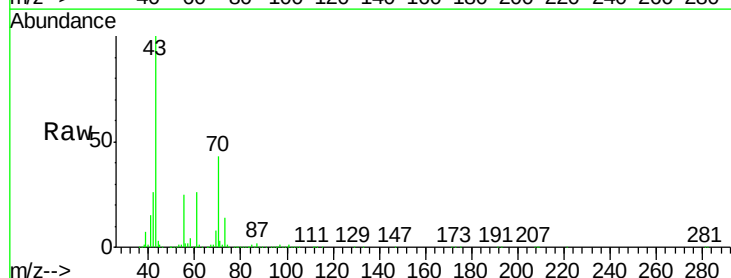
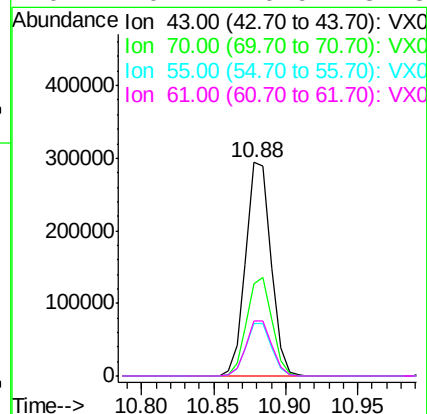
Ion Ratio Lower Upper

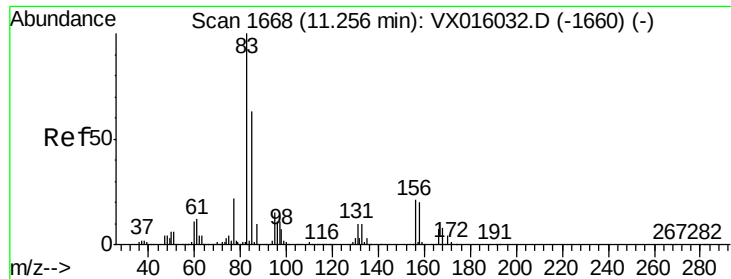
43 100

70 45.9 36.5 54.7

55 25.3 19.7 29.5

61 26.2 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 41.009 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

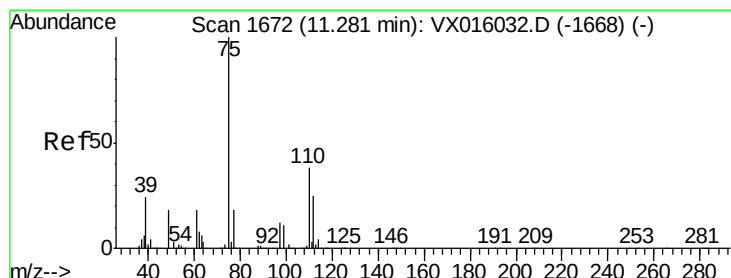
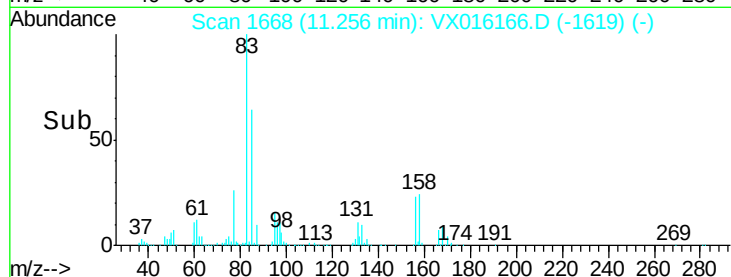
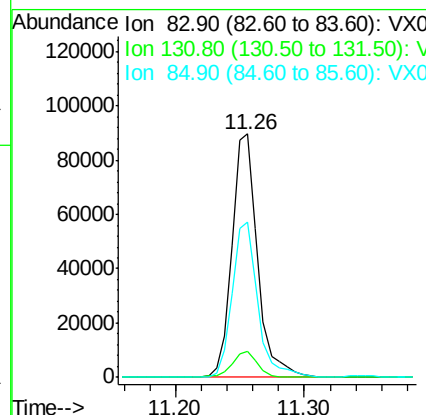
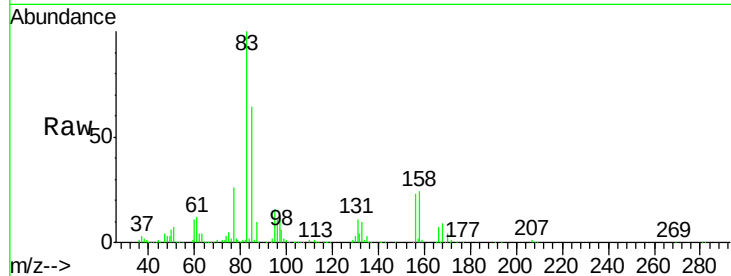
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	124716
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.4
85	64.1	32.0	96.0

Manual Integrations
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5/14/2020 12:15:53 PM



#76

1,2,3-Trichloropropane

Concen: 49.628 ug/l m

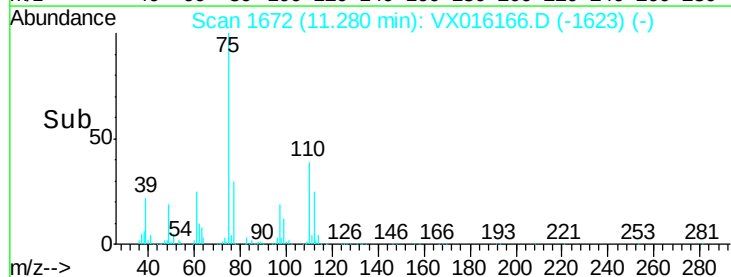
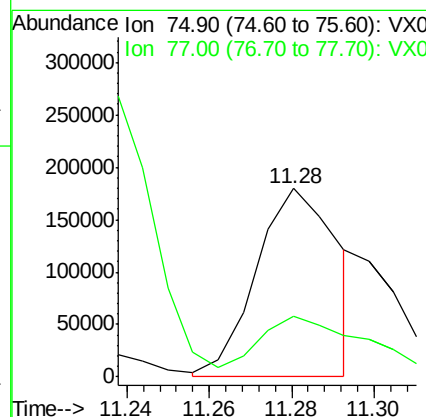
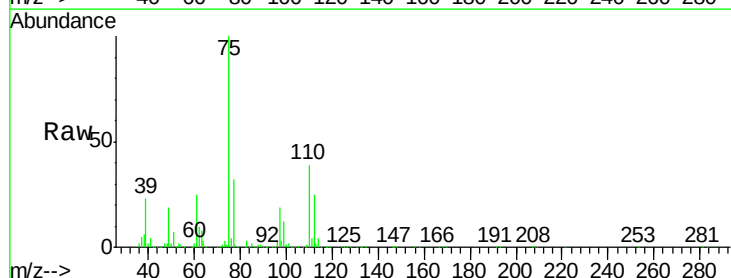
RT: 11.28 min Scan# 1672

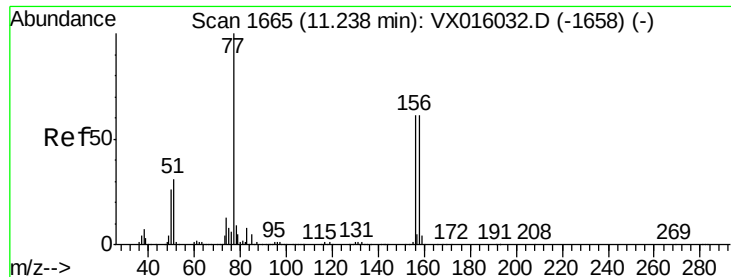
Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Tgt Ion:	75	Resp:	246317
Ion Ratio	Lower	Upper	
75	100		
77	43.1	21.2	63.6





#77

Bromobenzene

Concen: 49.768 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

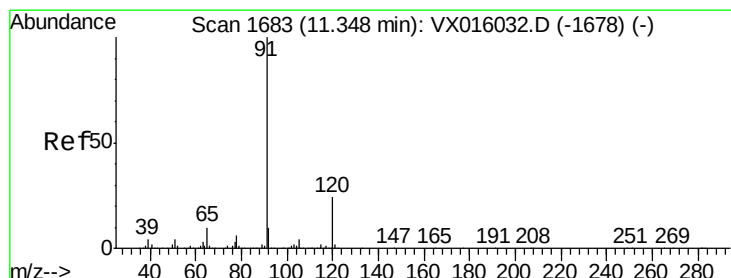
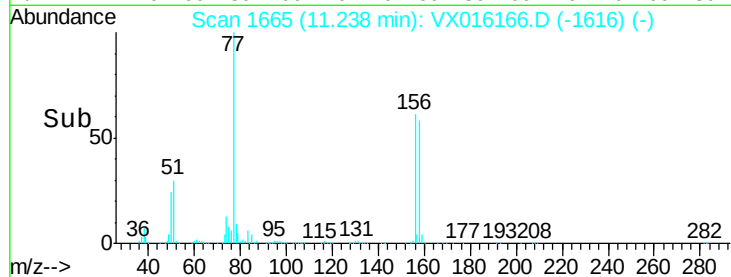
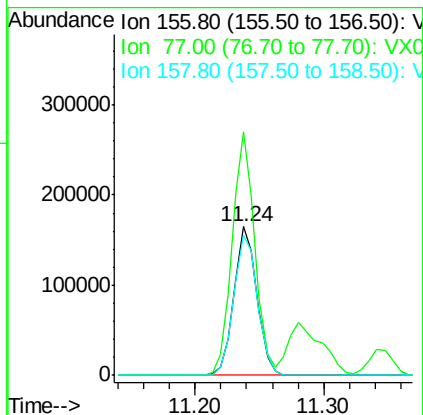
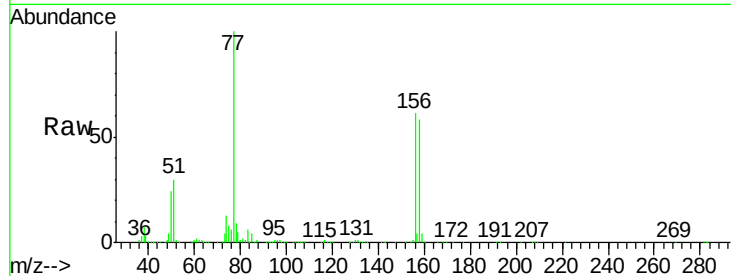
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	204361
Ion Ratio	Lower	Upper	
156	100		
77	162.0	80.1	240.3
158	98.0	49.4	148.2

Manual Integrations
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5/14/2020 12:15:53 PM



#78

n-propylbenzene

Concen: 50.697 ug/l

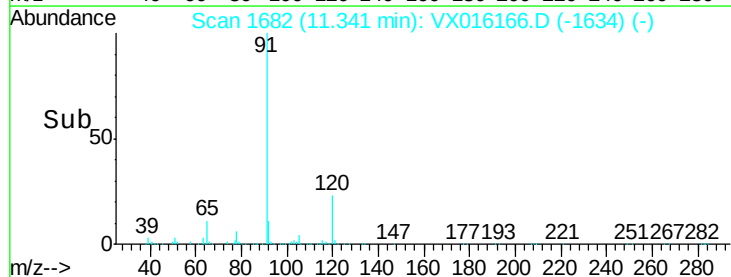
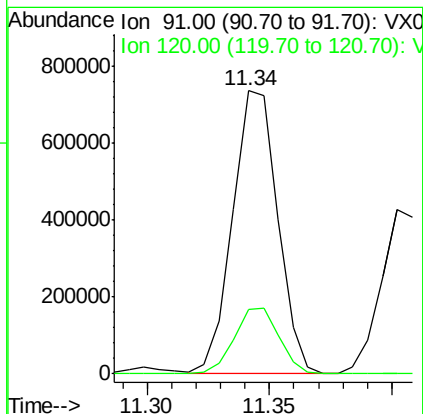
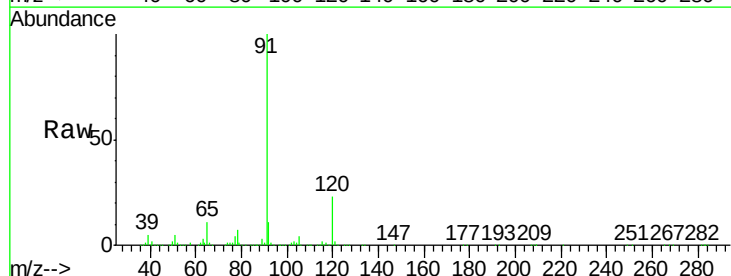
RT: 11.34 min Scan# 1682

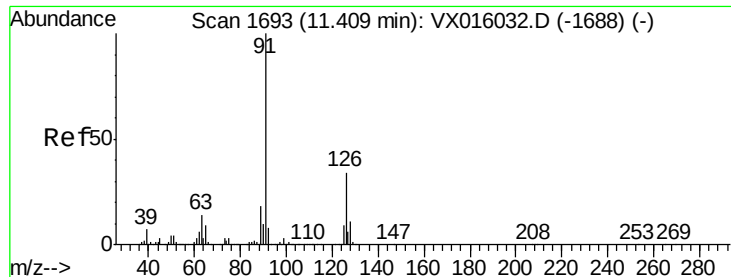
Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Tgt Ion:	91	Resp:	938255
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.608 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 552857

Ion Ratio Lower Upper

91 100

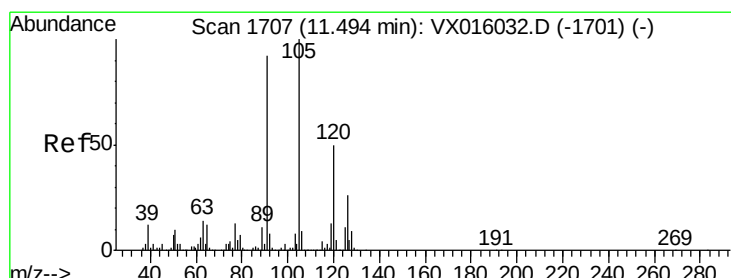
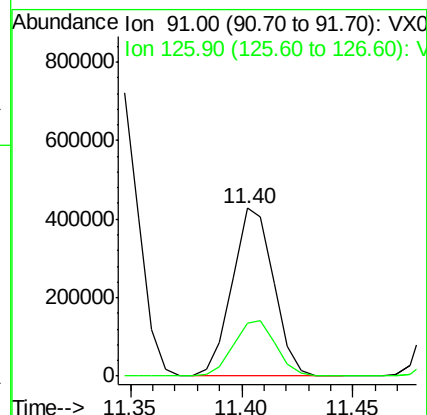
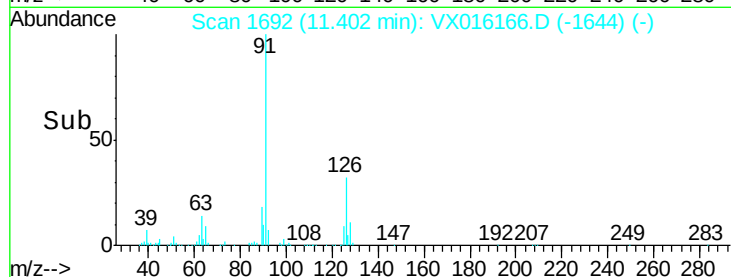
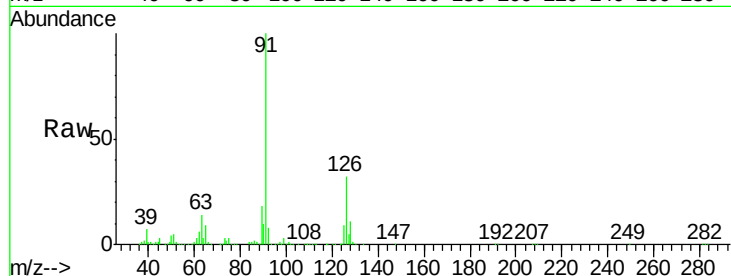
126 34.0 16.9 50.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.034 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016166.D

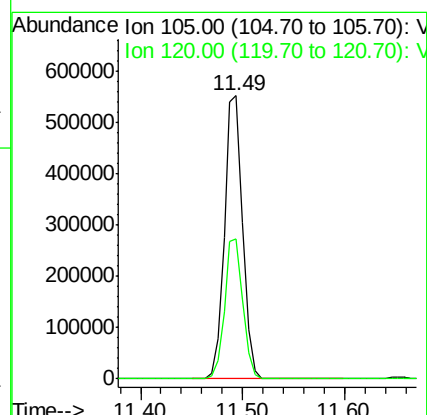
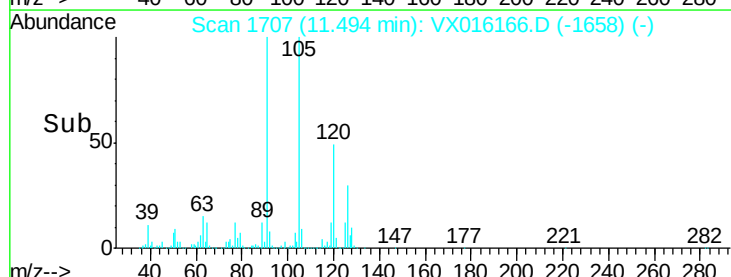
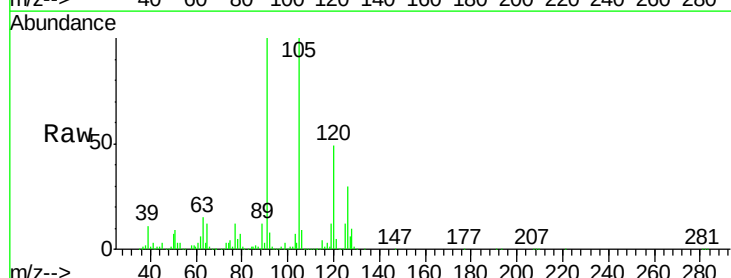
Acq: 13 May 2020 09:53

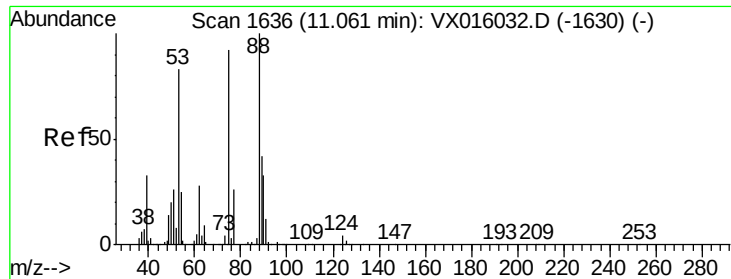
Tgt Ion: 105 Resp: 685488

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





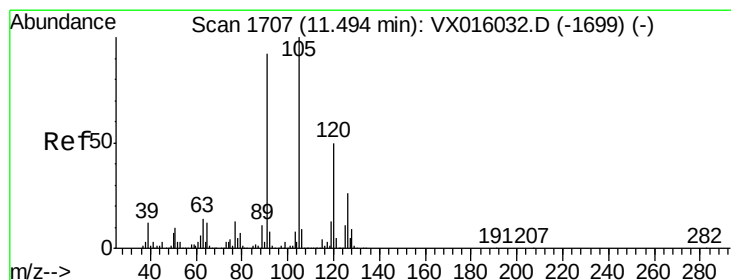
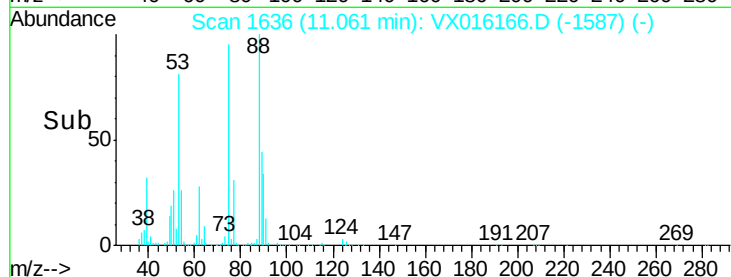
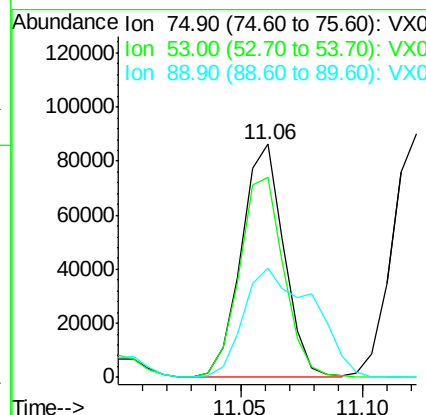
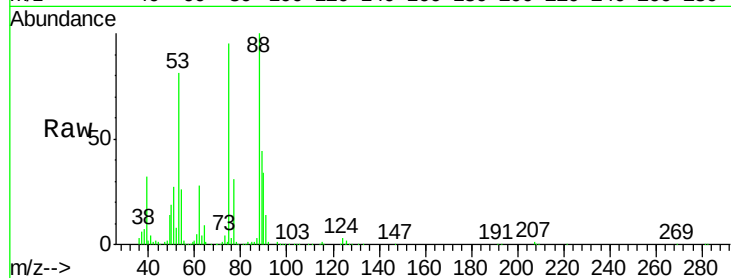
#81
trans-1,4-Dichloro-2-butene
Concen: 49.986 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.6	73.1	109.7
89	77.3	36.7	55.1

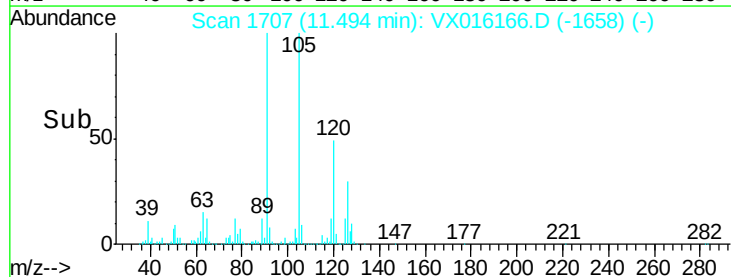
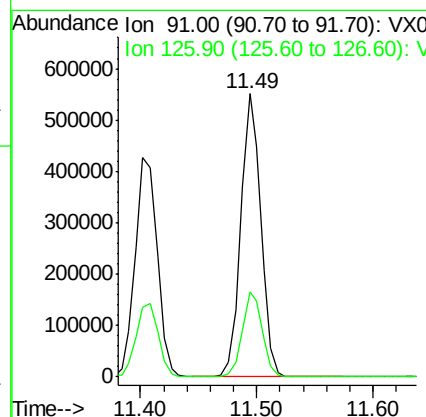
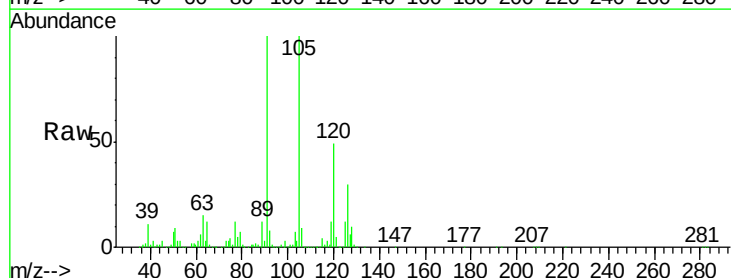
Manual Integrations
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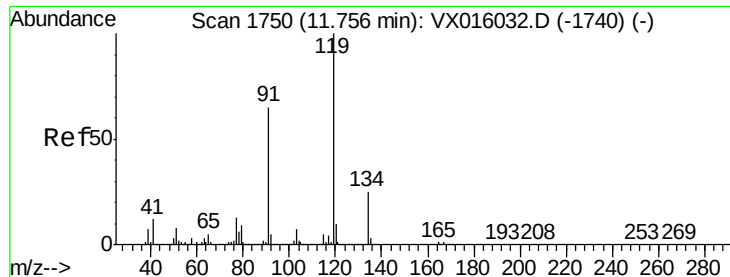
MMDadoda
5/14/2020 12:15:53 PM



#82
4-Chlorotoluene
Concen: 51.356 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.8	44.3





#83

tert-Butylbenzene

Concen: 49.733 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

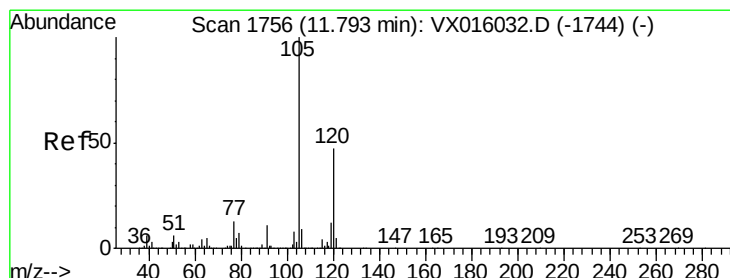
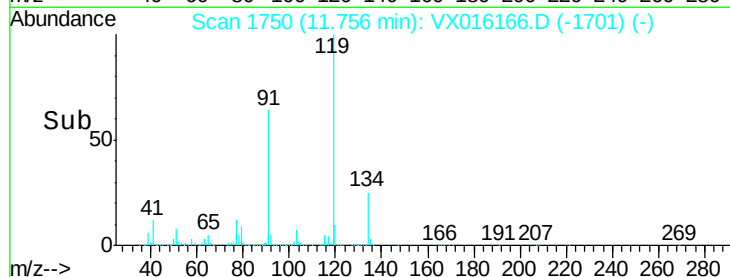
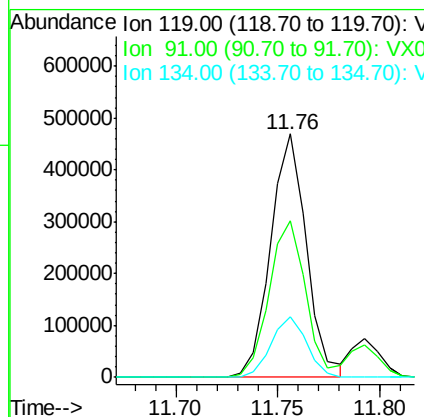
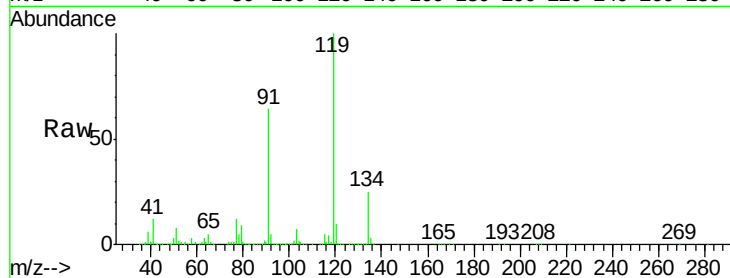
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	575693
Ion Ratio	Lower	Upper	
119	100		
91	64.7	32.8	98.4
134	24.7	12.4	37.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.438 ug/l

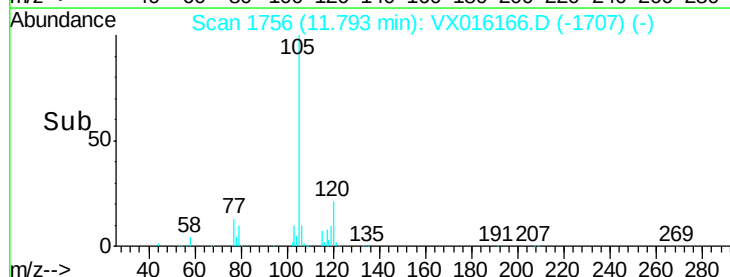
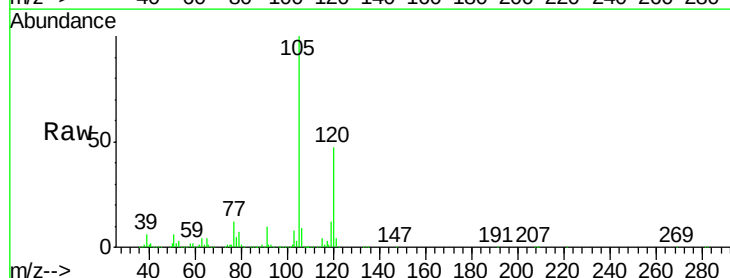
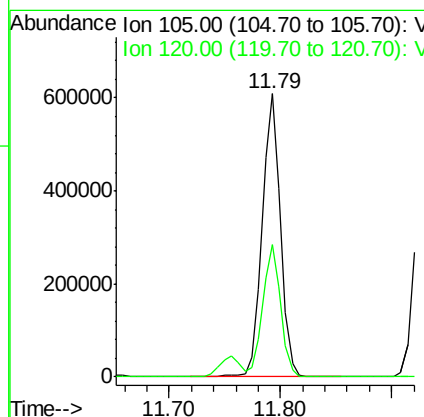
RT: 11.79 min Scan# 1756

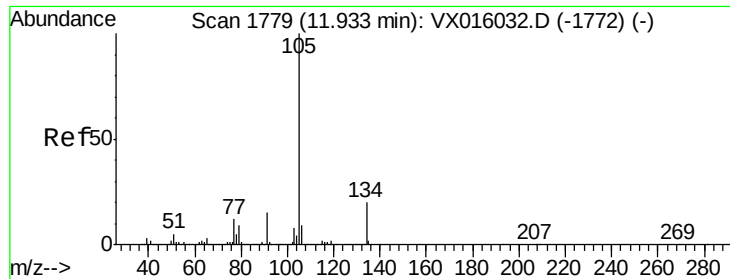
Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Tgt Ion:	105	Resp:	698517
Ion Ratio	Lower	Upper	
105	100		
120	45.9	23.0	69.0





#85

sec-Butylbenzene

Concen: 48.651 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 760378

Ion Ratio Lower Upper

105 100

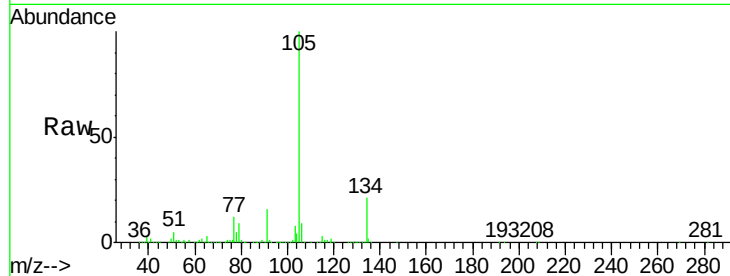
134 20.4 10.1 30.3

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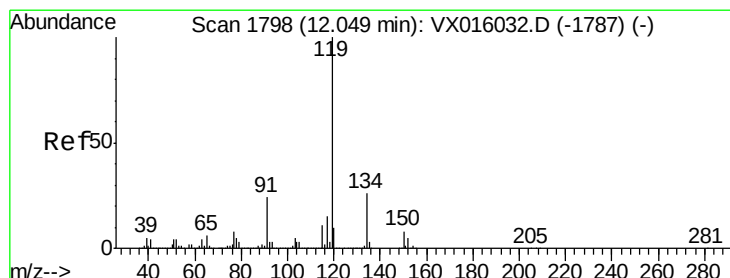
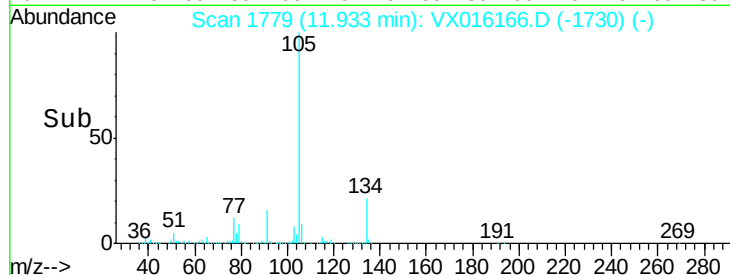
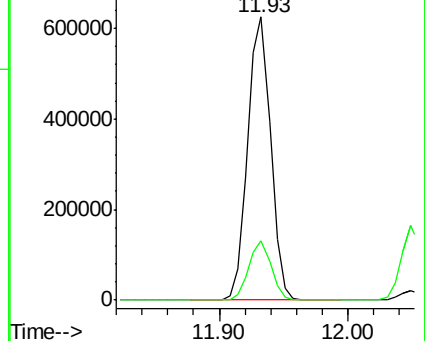
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.428 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016166.D

Acq: 13 May 2020 09:53

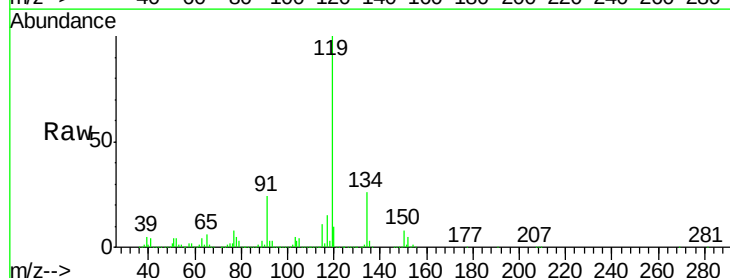
Tgt Ion:119 Resp: 717254

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

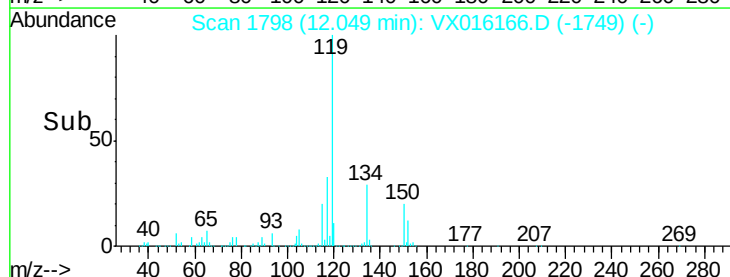
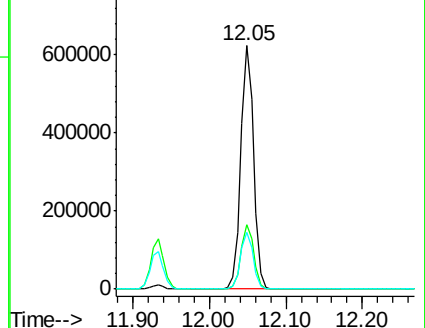
91 23.2 11.8 35.4

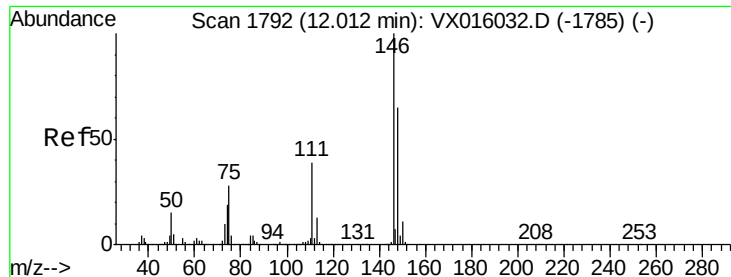


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





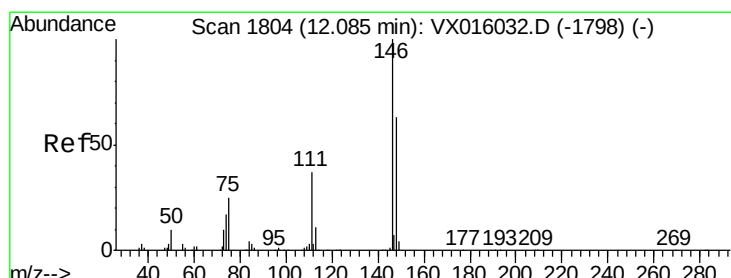
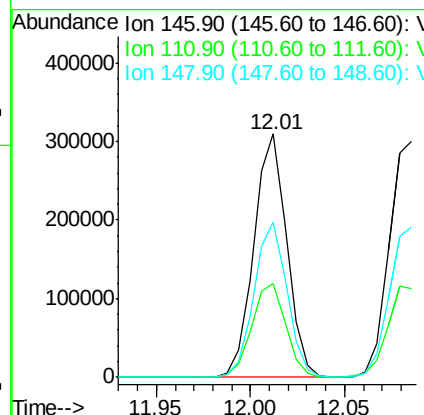
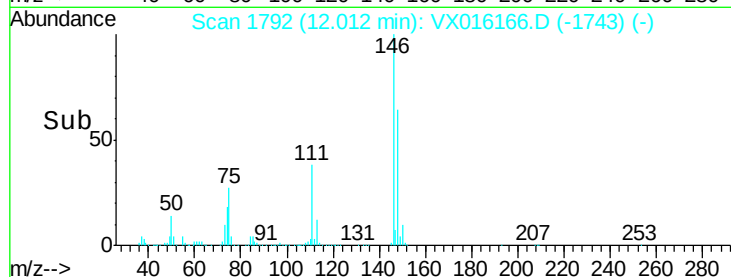
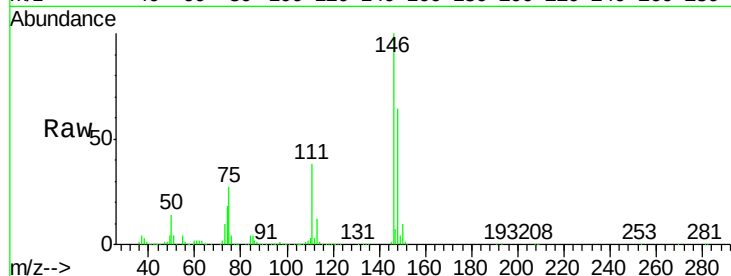
#87
 1,3-Dichlorobenzene
 Concen: 50.813 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016166.D
 Acq: 13 May 2020 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.2	60.6
148	63.9	32.1	96.3

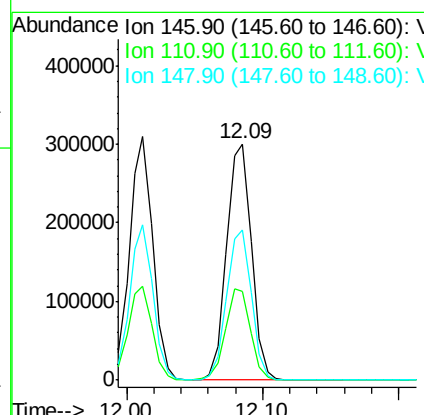
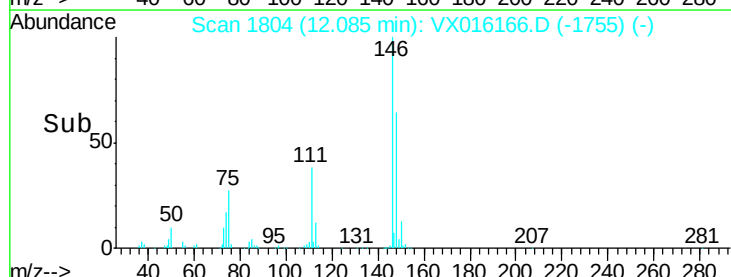
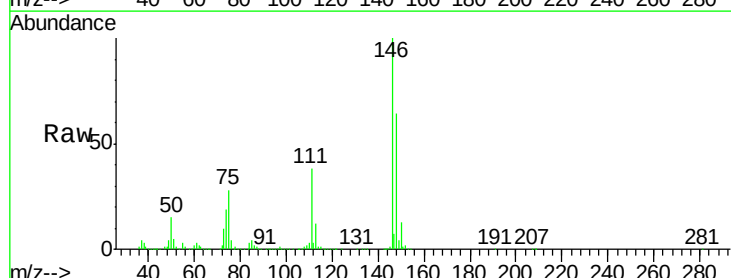
Manual Integrations
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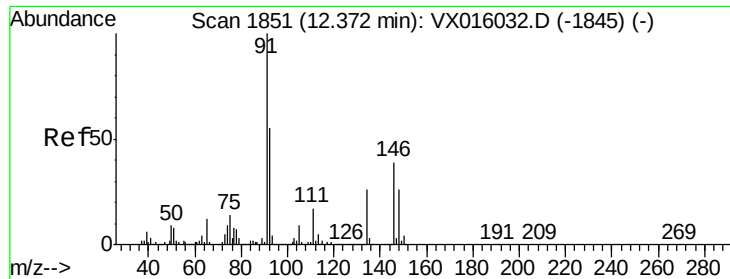
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#88
 1,4-Dichlorobenzene
 Concen: 50.742 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016166.D
 Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	63.5	31.8	95.3





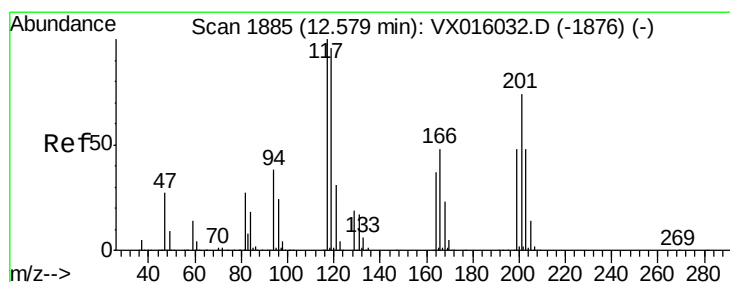
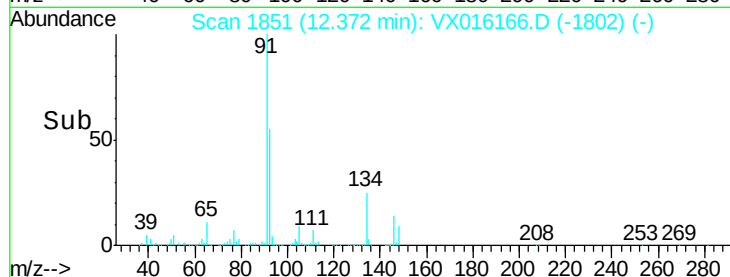
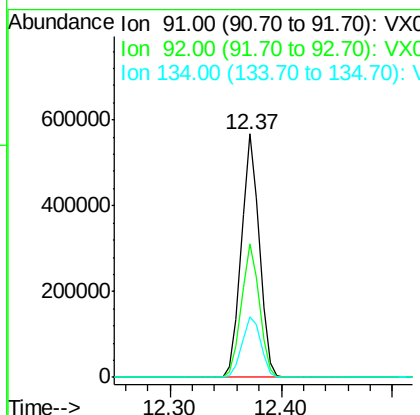
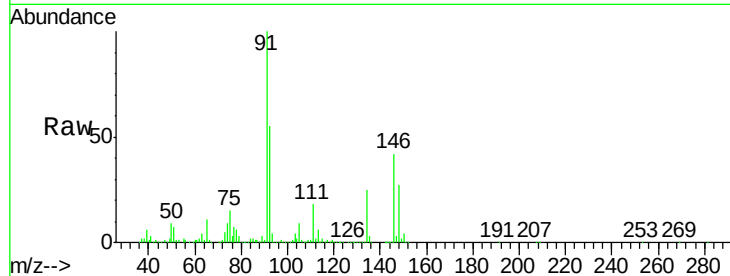
#89
n-Butylbenzene
Concen: 47.770 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.6	82.7
134	26.5	13.4	40.1

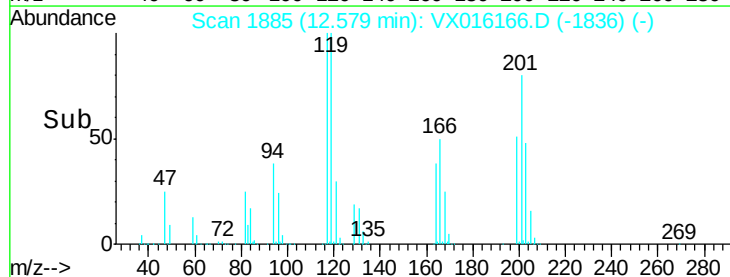
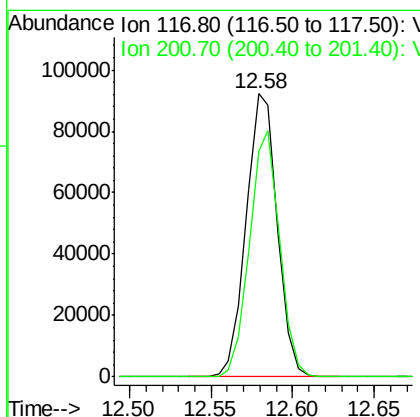
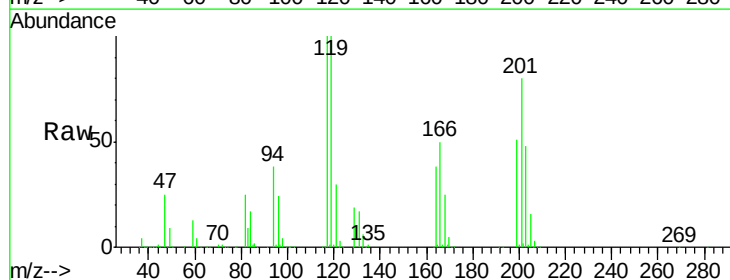
Manual Integrations
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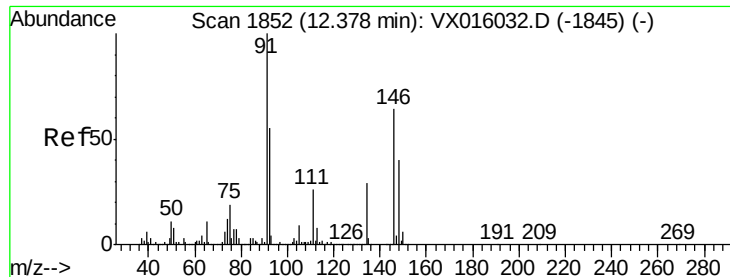
MMDadoda
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#90
Hexachloroethane
Concen: 49.206 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	39.8	119.3





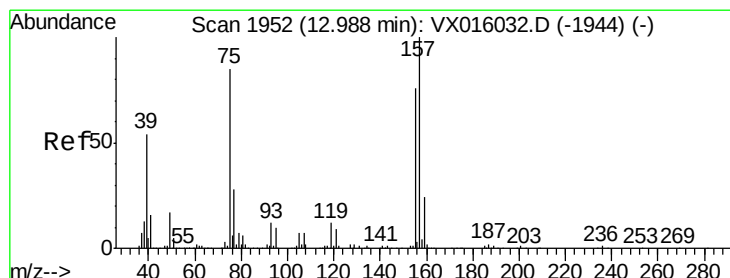
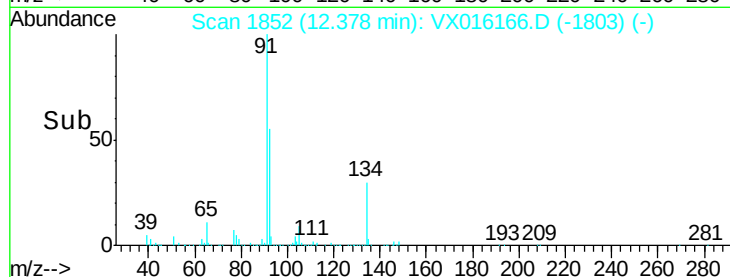
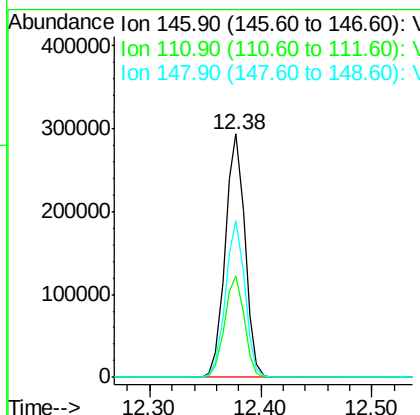
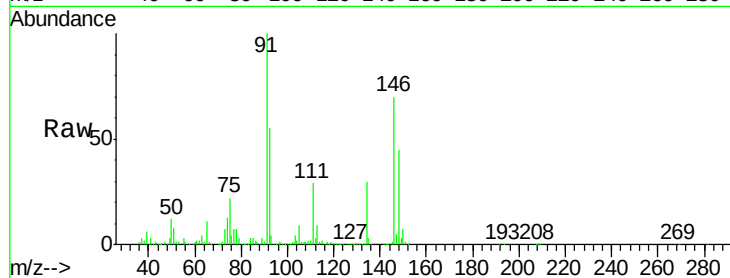
#91
 1,2-Dichlorobenzene
 Concen: 50.587 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016166.D
 Acq: 13 May 2020 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.7	21.1	63.1	
148	63.3	32.4	97.0	

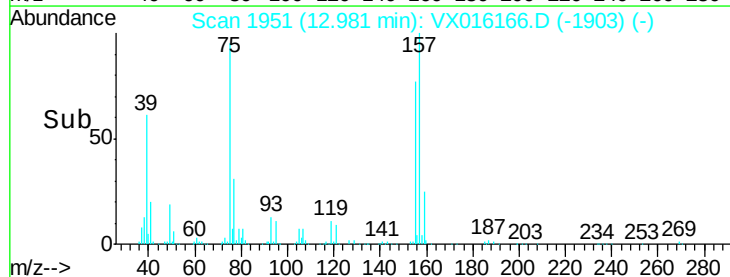
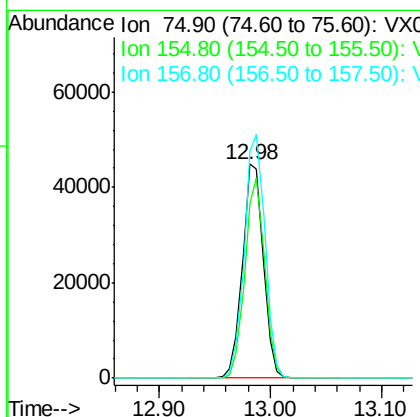
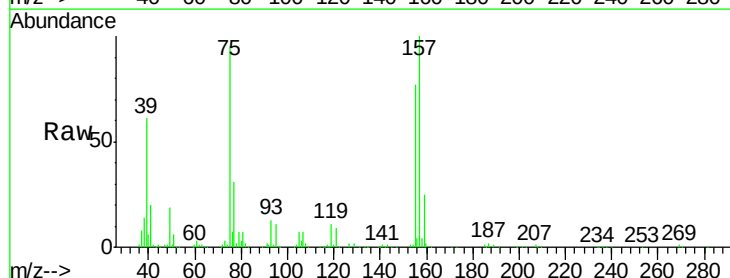
Manual Integrations
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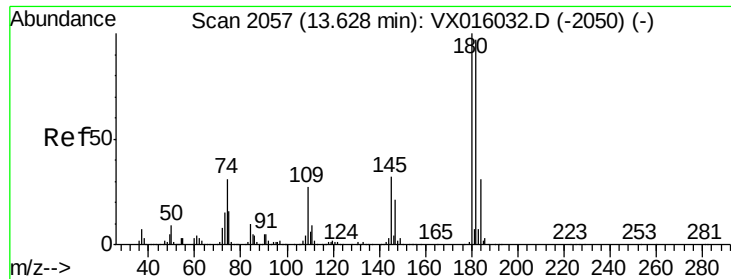
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 5/14/2020 12:15:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.535 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VX016166.D
 Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	88.8	42.5	127.5	
157	112.6	55.3	165.8	





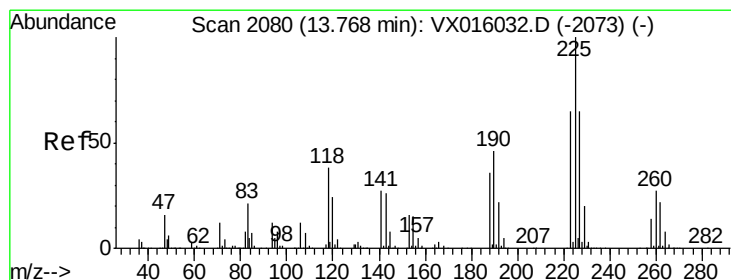
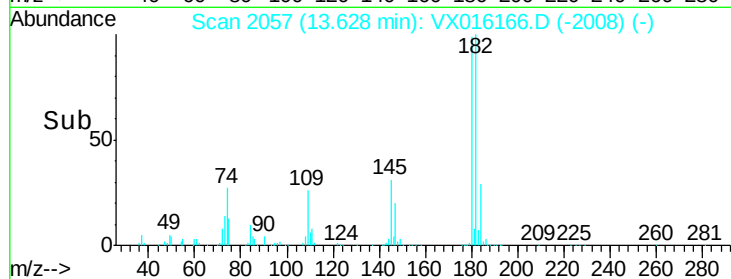
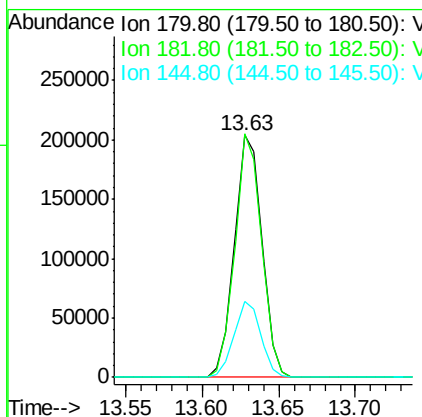
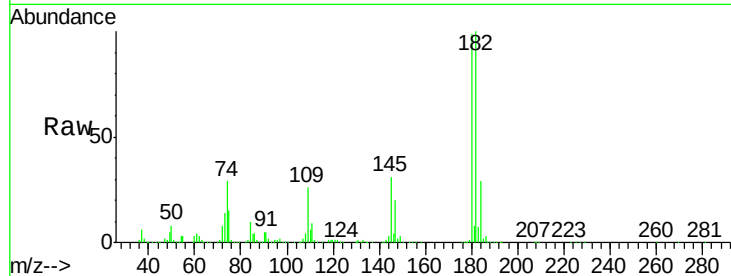
#93
 1,2,4-Trichlorobenzene
 Concen: 48.424 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016166.D
 Acq: 13 May 2020 09:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	254524		
182	97.1	48.7	146.1	
145	30.8	15.7	47.1	

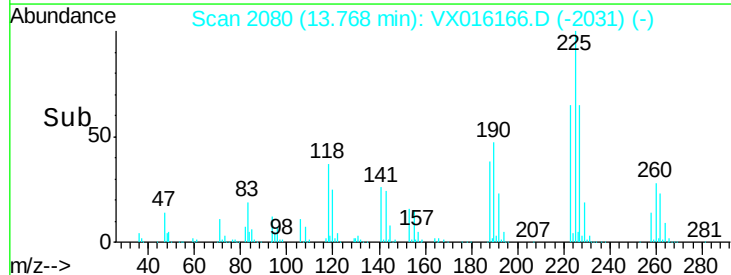
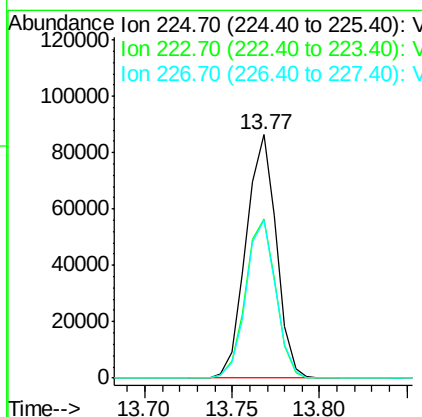
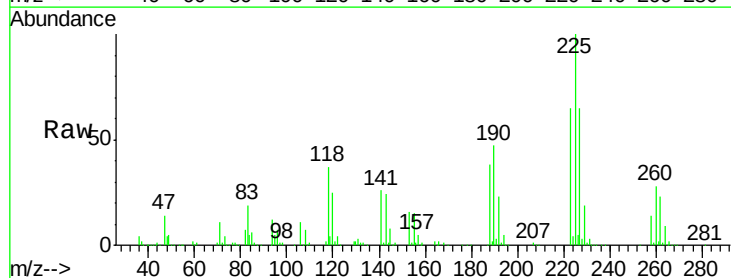
Manual Integrations
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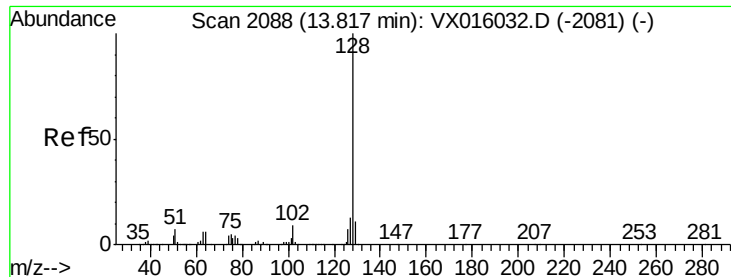
MMDadoda
 5/14/2020 12:15:53 PM



#94
 Hexachlorobutadiene
 Concen: 45.862 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016166.D
 Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	103700		
223	65.0	32.3	96.9	
227	64.0	31.8	95.4	





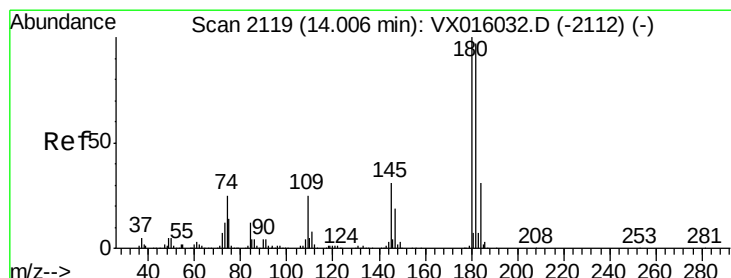
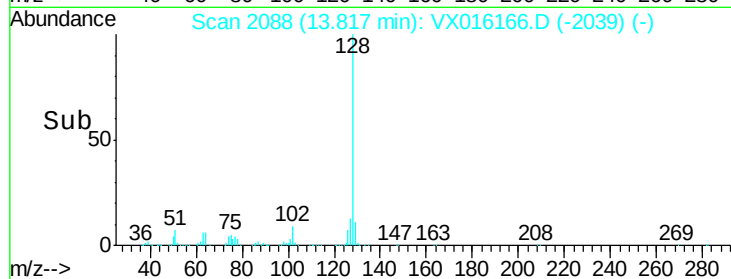
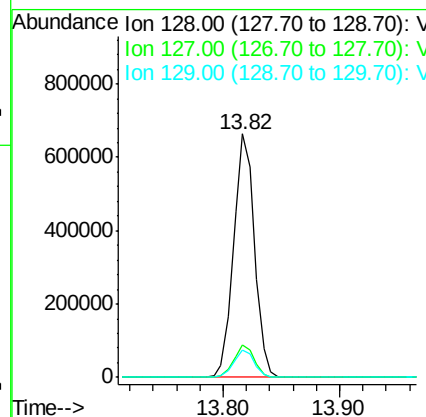
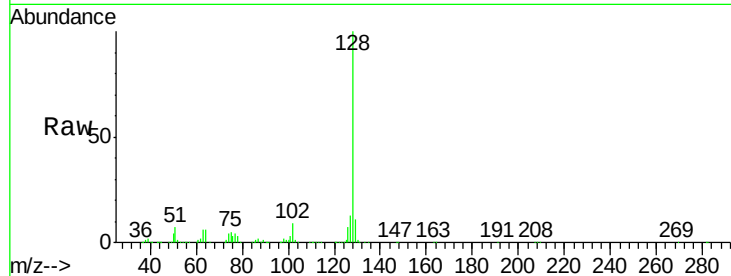
#95
Naphthalene
Concen: 48.475 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/14/2020 12:15:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.093 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016166.D
Acq: 13 May 2020 09:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.4	145.0
145	32.6	16.4	49.1

