

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO051820\
 Data File : VX016320.D
 Acq On : 18 May 2020 23:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 2:27:36 PM

Quant Time: May 19 03:30:52 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	254241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	418886	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	393800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	194934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	156336	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	5.46	113	129231	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	8.70	98	497662	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.12	95	199172	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	134743	50.070	ug/l	99
3) Chloromethane	1.31	50	143755	45.998	ug/l	99
4) Vinyl Chloride	1.39	62	180159	54.032	ug/l	100
5) Bromomethane	1.62	94	65474	38.950	ug/l	100
6) Chloroethane	1.70	64	98770	48.685	ug/l	97
7) Trichlorofluoromethane	1.92	101	214457	48.992	ug/l	98
8) Diethyl Ether	2.17	74	90493	49.064	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.36	101	121644	48.166	ug/l	99
10) Methyl Iodide	2.49	142	85639	25.245	ug/l	100
11) Tert butyl alcohol	3.02	59	198126	234.190	ug/l	99
12) 1,1-Dichloroethene	2.35	96	128397	48.583	ug/l	98
13) Acrolein	2.27	56	144023	272.049	ug/l	100
14) Allyl chloride	2.71	41	223769	46.178	ug/l	94
15) Acrylonitrile	3.12	53	441687	251.668	ug/l	99
16) Acetone	2.42	43	337083	225.813	ug/l	95
17) Carbon Disulfide	2.55	76	346399	43.619	ug/l	98
18) Methyl Acetate	2.75	43	194586	53.016	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	481160	52.813	ug/l	99
20) Methylene Chloride	2.84	84	150764	48.992	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	143145	48.604	ug/l	97
22) Diisopropyl ether	3.82	45	457695	50.066	ug/l	95
23) Vinyl Acetate	3.79	43	1985950	246.919	ug/l	98
24) 1,1-Dichloroethane	3.67	63	260667	50.972	ug/l	98
25) 2-Butanone	4.63	43	593343	246.668	ug/l	98
26) 2,2-Dichloropropane	4.55	77	191879	41.085	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	173636	53.928	ug/l	93
28) Bromochloromethane	4.98	49	109358	46.897	ug/l	94
29) Tetrahydrofuran	5.09	42	388909	244.007	ug/l	96
30) Chloroform	5.18	83	265618	52.166	ug/l	98
31) Cyclohexane	5.55	56	212772	45.781	ug/l	95
32) 1,1,1-Trichloroethane	5.46	97	236833	51.170	ug/l	98
36) 1,1-Dichloropropene	5.77	75	196657	47.693	ug/l	99
37) Ethyl Acetate	4.79	43	225151	47.112	ug/l	99
38) Carbon Tetrachloride	5.76	117	203757	48.617	ug/l	96

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Quant Time: May 19 03:30:52 2020
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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	188406	37.942	ug/l	98
40) Benzene	6.12	78	605157	50.159	ug/l	99
41) Methacrylonitrile	5.01	41	122270	47.374	ug/l	97
42) 1,2-Dichloroethane	6.17	62	205802	47.353	ug/l	98
43) Isopropyl Acetate	6.42	43	363858	47.718	ug/l	97
44) Trichloroethene	7.19	130	186091	43.417	ug/l	98
45) 1,2-Dichloropropane	7.49	63	155514	50.942	ug/l	98
46) Dibromomethane	7.64	93	103129	49.711	ug/l	99
47) Bromodichloromethane	7.88	83	215943	51.108	ug/l	99
48) Methyl methacrylate	7.74	41	172668	47.789	ug/l	93
49) 1,4-Dioxane	7.71	88	76945	887.937	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1148597	246.154	ug/l	97
52) Toluene	8.77	92	387118	51.478	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	244337	48.501	ug/l	98
54) cis-1,3-Dichloropropene	8.41	75	259079	49.236	ug/l	93
55) 1,1,2-Trichloroethane	9.20	97	156141	52.774	ug/l	99
56) Ethyl methacrylate	9.16	69	253094	52.406	ug/l	94
57) 1,3-Dichloropropane	9.35	76	266163	51.556	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	608811	236.789	ug/l	99
59) 2-Hexanone	9.48	43	894254	244.035	ug/l	96
60) Dibromochloromethane	9.57	129	178823	54.878	ug/l	99
61) 1,2-Dibromoethane	9.65	107	165084	51.512	ug/l	99
64) Tetrachloroethene	9.32	164	201816	41.746	ug/l	99
65) Chlorobenzene	10.12	112	430035	52.152	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	159753	52.417	ug/l	99
67) Ethyl Benzene	10.24	91	721484	49.039	ug/l	99
68) m/p-Xylenes	10.34	106	555307	100.741	ug/l	98
69) o-Xylene	10.68	106	270555	51.062	ug/l	99
70) Styrene	10.69	104	471850	52.492	ug/l	99
71) Bromoform	10.84	173	136018	54.779	ug/l #	100
73) Isopropylbenzene	11.00	105	692802	48.863	ug/l	100
74) N-amyl acetate	10.88	43	320283	48.429	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	197466	67.873	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	220457m	49.838	ug/l	
77) Bromobenzene	11.24	156	182846	49.962	ug/l	99
78) n-propylbenzene	11.35	91	767426	46.527	ug/l	99
79) 2-Chlorotoluene	11.41	91	479901	49.291	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	570314	47.641	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	87787	47.294	ug/l	96
82) 4-Chlorotoluene	11.49	91	562927	48.962	ug/l	99
83) tert-Butylbenzene	11.76	119	492355	47.724	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	585838	48.405	ug/l	99
85) sec-Butylbenzene	11.93	105	576108	41.359	ug/l	99
86) p-Isopropyltoluene	12.05	119	541538	41.873	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	311832	47.455	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	327953	49.172	ug/l	99
89) n-Butylbenzene	12.37	91	440042	37.245	ug/l	100
90) Hexachloroethane	12.58	117	96789	43.577	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	319314	50.466	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	56796	48.717	ug/l	95

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VSTDCCC050EC

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Quant Time: May 19 03:30:52 2020
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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)
93) 1,2,4-Trichlorobenzene	13.63	180	193779	41.366	ug/l	98
94) Hexachlorobutadiene	13.77	225	64807	32.315	ug/l	99
95) Naphthalene	13.82	128	736864	48.579	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	195765	42.760	ug/l	98

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

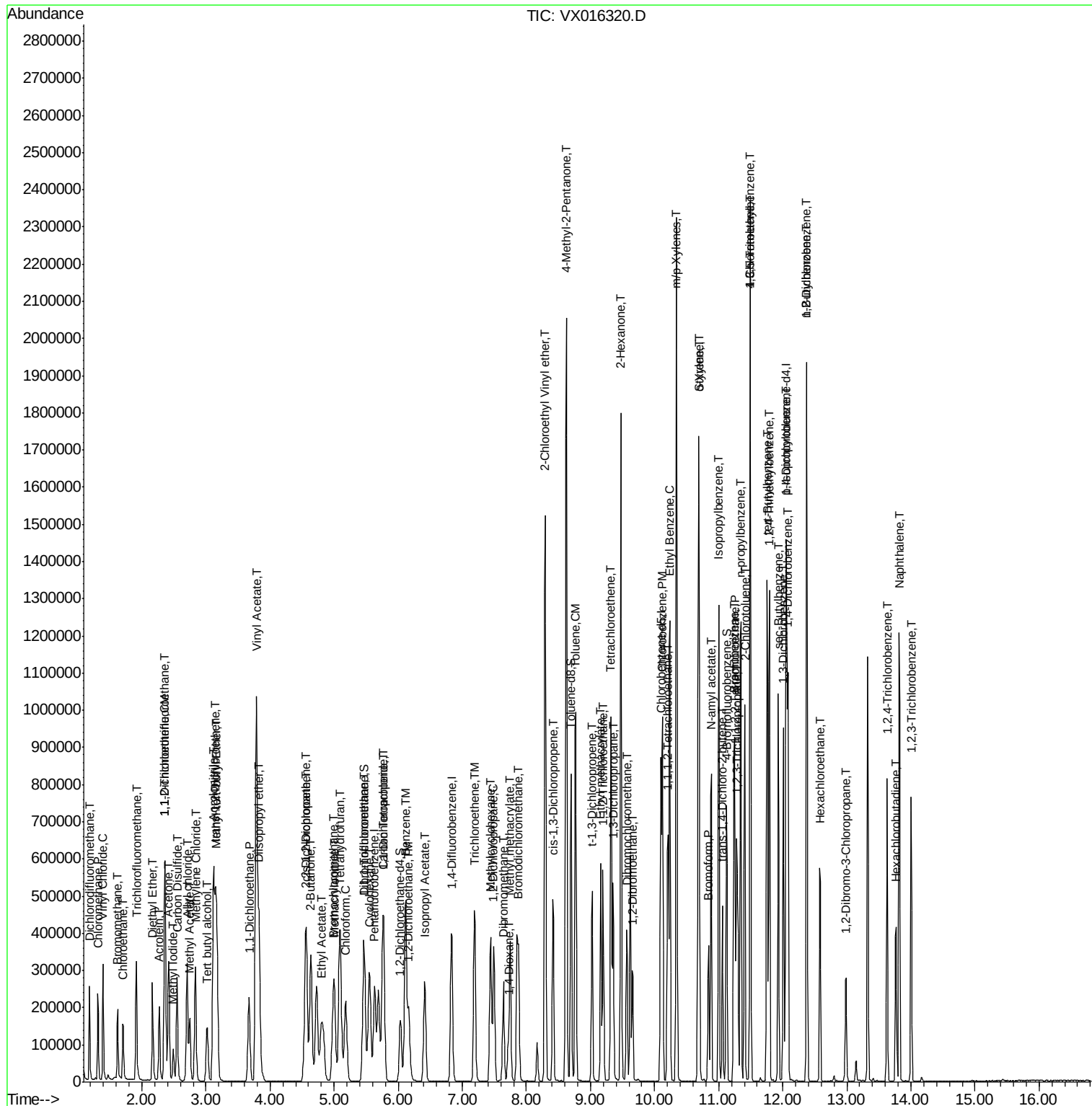
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 Data File : VX016320.D
 Acq On : 18 May 2020 23:44
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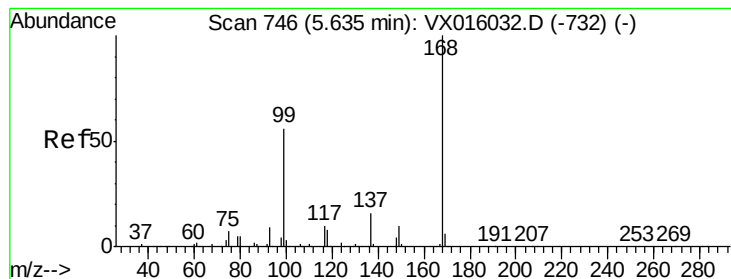
Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 254241

Ion Ratio Lower Upper

168 100

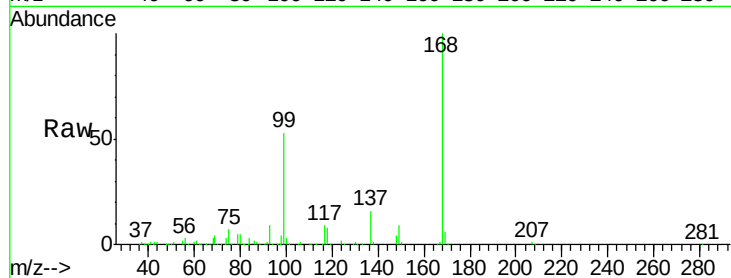
99 53.0 45.0 67.4

Manual Integrations

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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

100000

80000

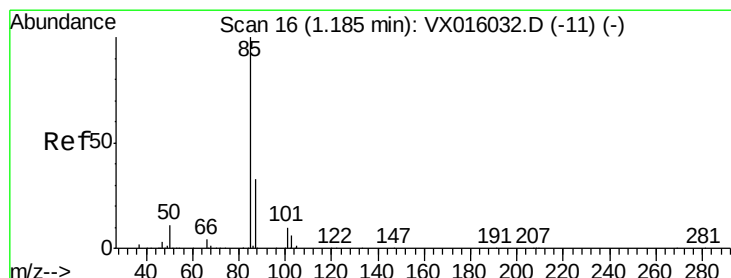
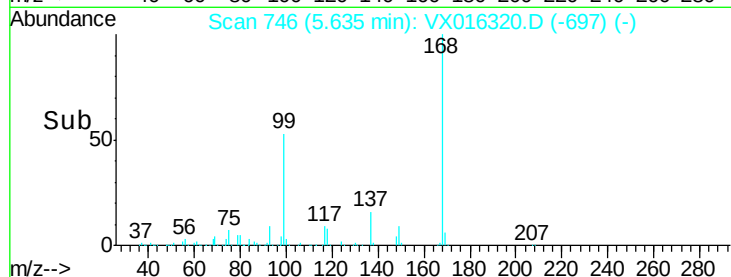
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.070 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016320.D

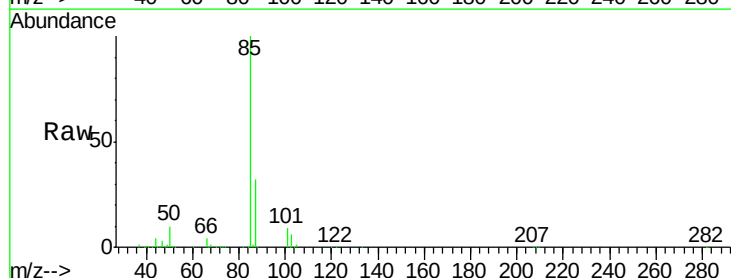
Acq: 18 May 2020 23:44

Tgt Ion: 85 Resp: 134743

Ion Ratio Lower Upper

85 100

87 32.1 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

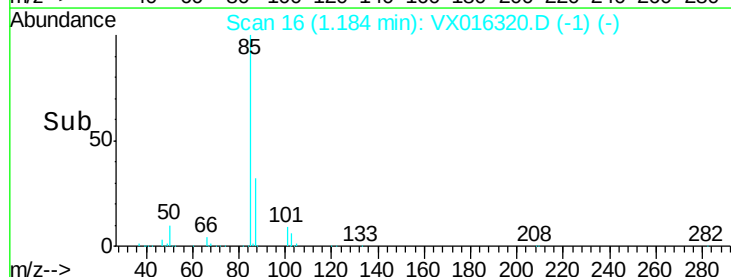
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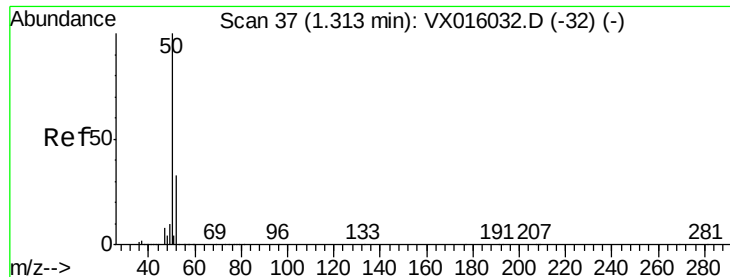
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50000

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Time-->





#3

Chloromethane

Concen: 45.998 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 143755

Ion Ratio Lower Upper

50 100

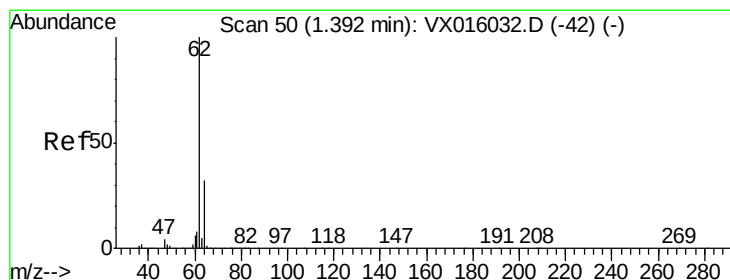
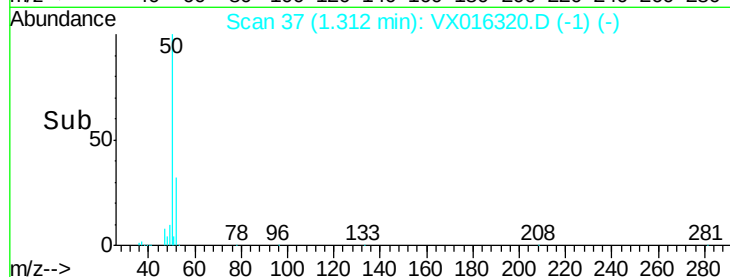
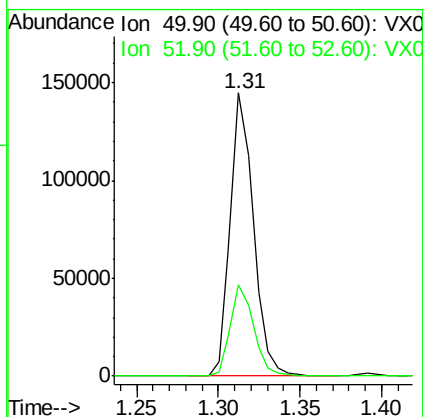
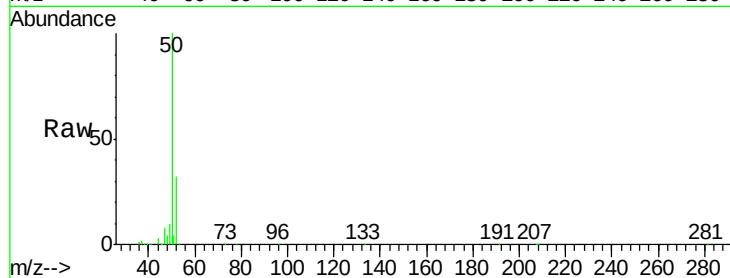
52 32.2 26.1 39.1

Manual Integrations

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5/19/2020 2:27:36 PM



#4

Vinyl Chloride

Concen: 54.032 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016320.D

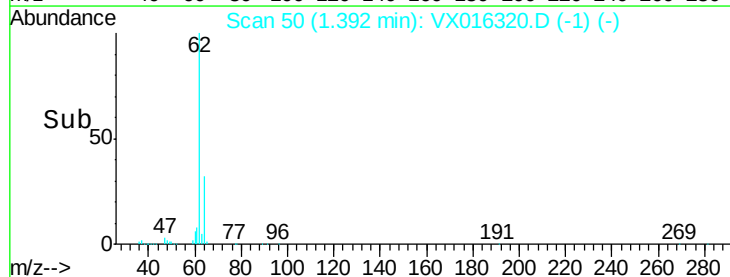
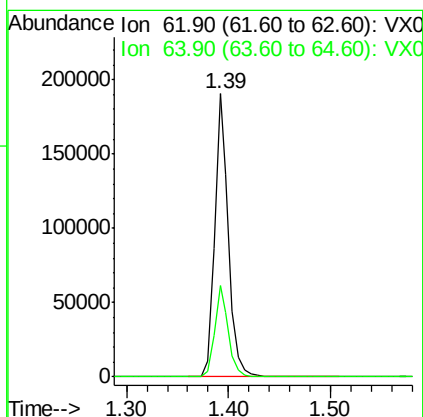
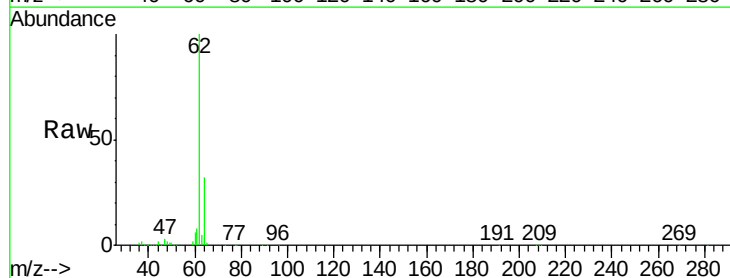
Acq: 18 May 2020 23:44

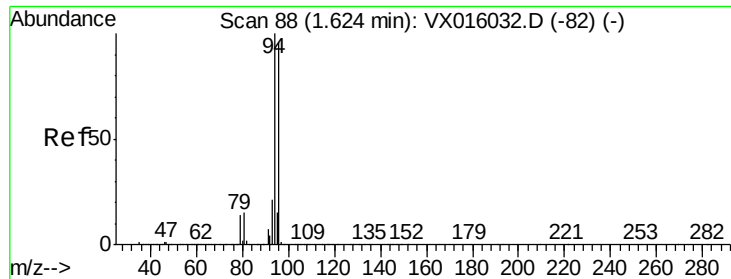
Tgt Ion: 62 Resp: 180159

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 38.950 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 65474

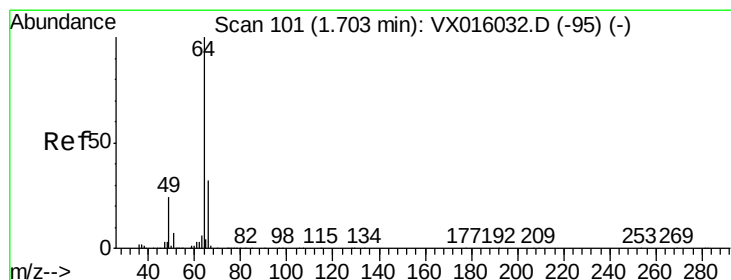
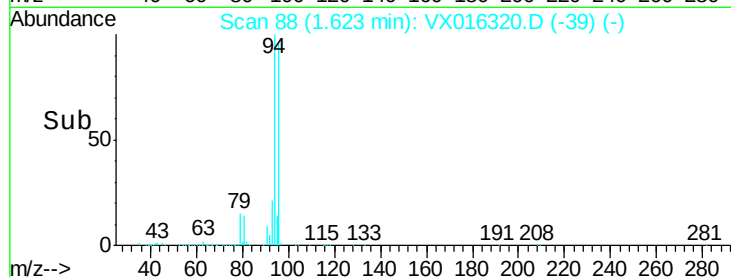
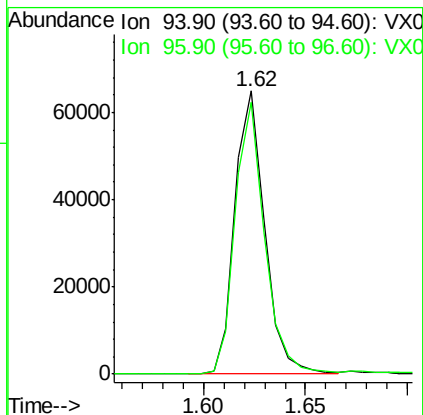
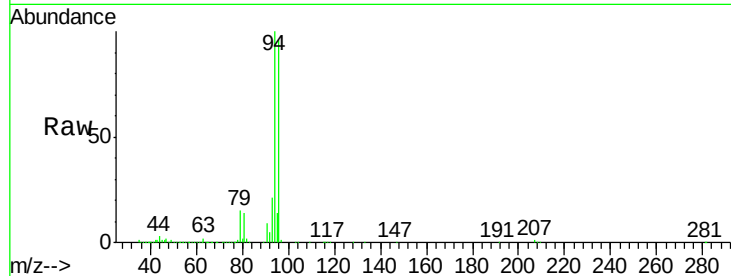
Ion Ratio Lower Upper

94 100

96 96.1 76.9 115.3

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#6

Chloroethane

Concen: 48.685 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016320.D

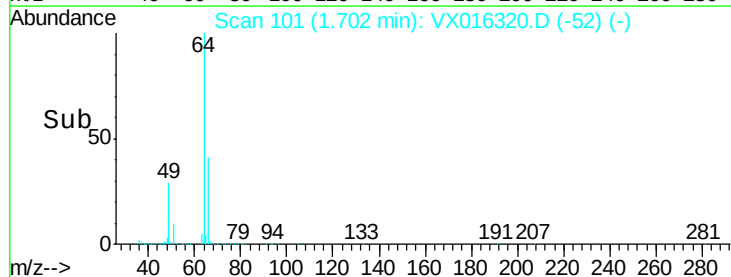
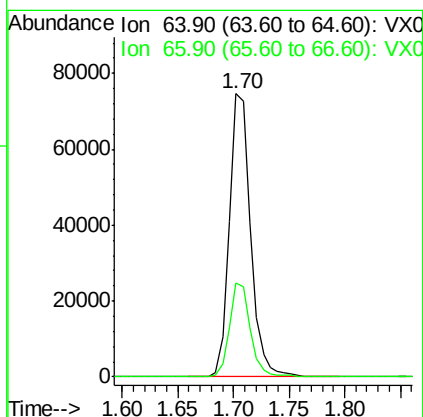
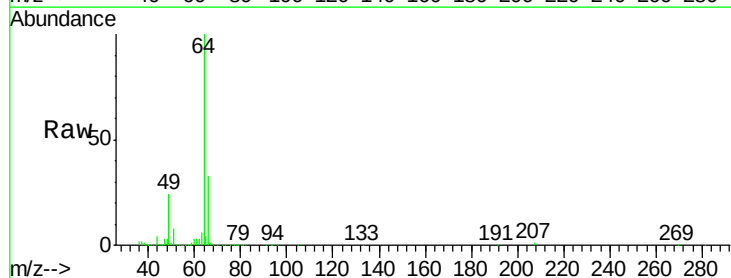
Acq: 18 May 2020 23:44

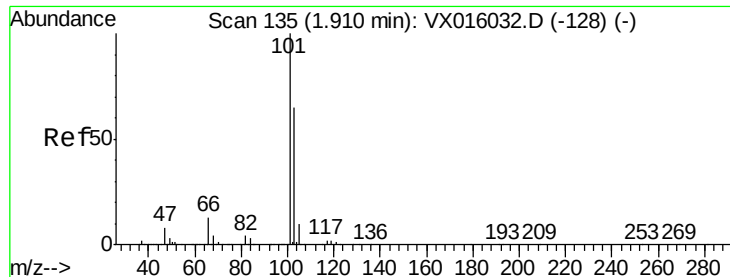
Tgt Ion: 64 Resp: 98770

Ion Ratio Lower Upper

64 100

66 33.0 25.2 37.8





#7

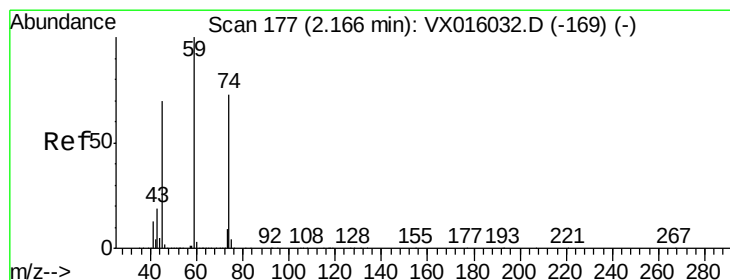
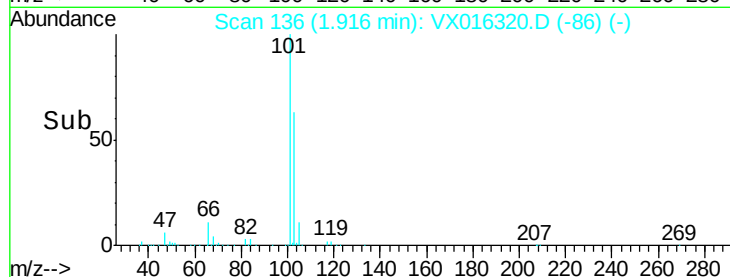
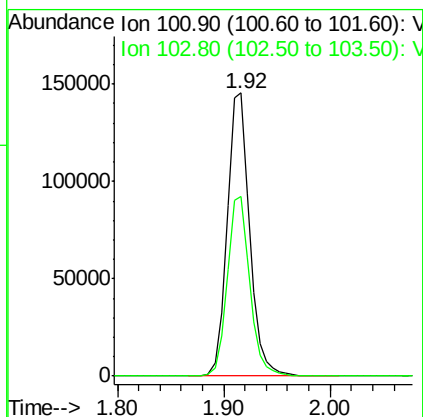
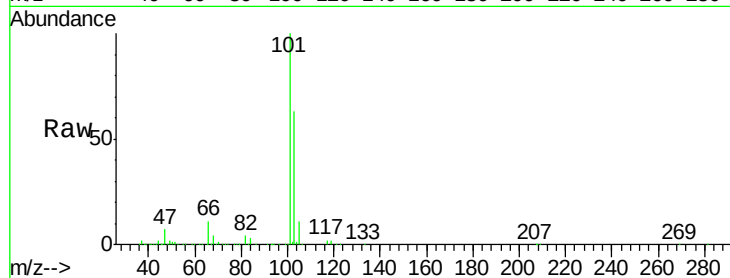
Trichlorofluoromethane
Concen: 48.992 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.01 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.8	77.6

Manual Integrations
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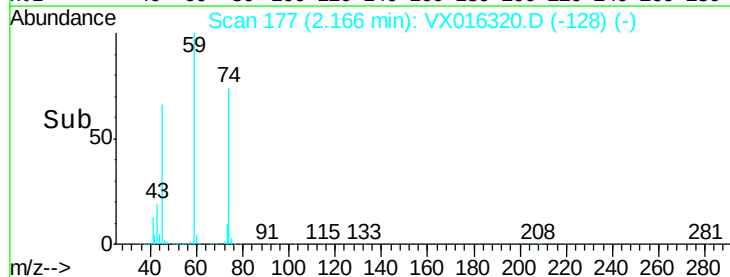
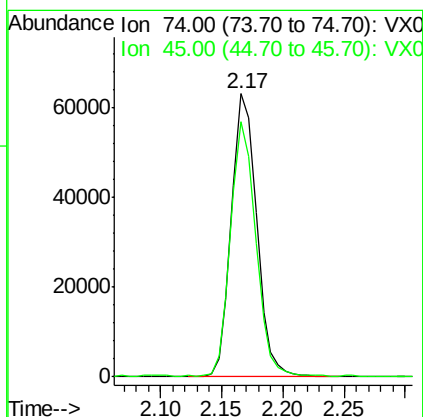
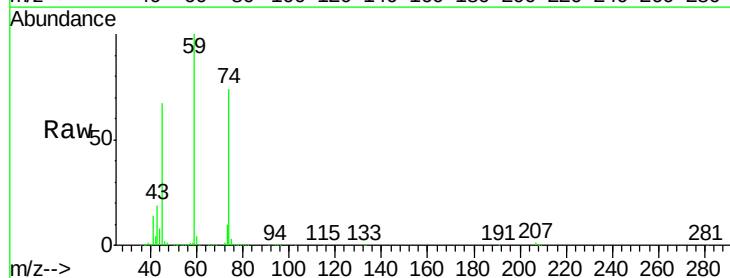
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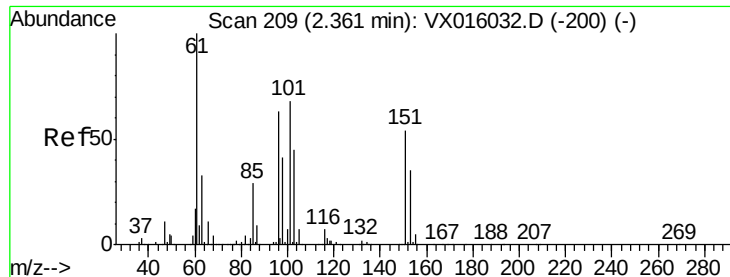


#8

Diethyl Ether
Concen: 49.064 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.9	47.3	142.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.166 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

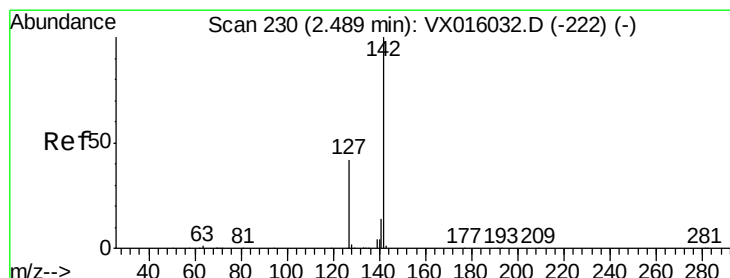
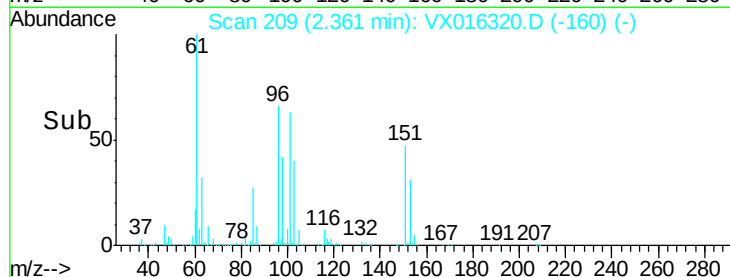
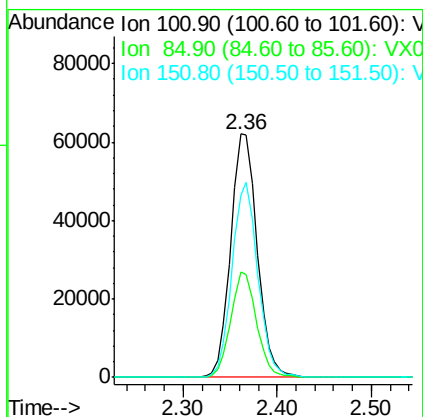
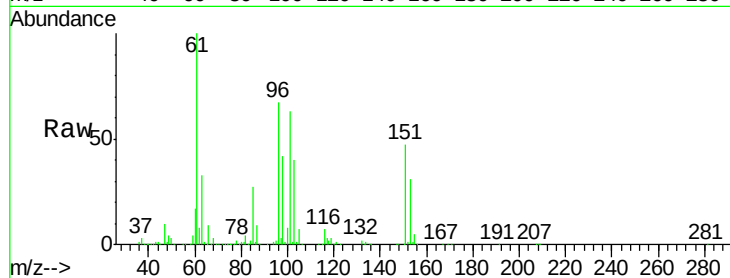
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	121644
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	78.0	62.1	93.1

Manual Integrations
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#10

Methyl Iodide

Concen: 25.245 ug/l

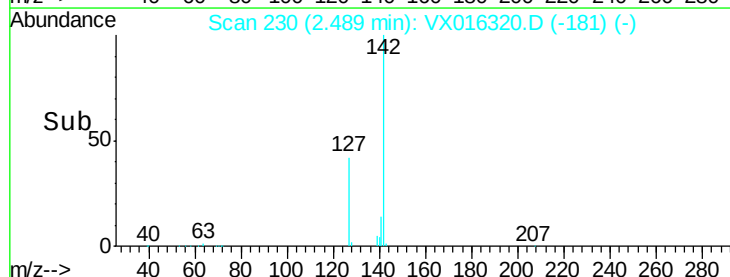
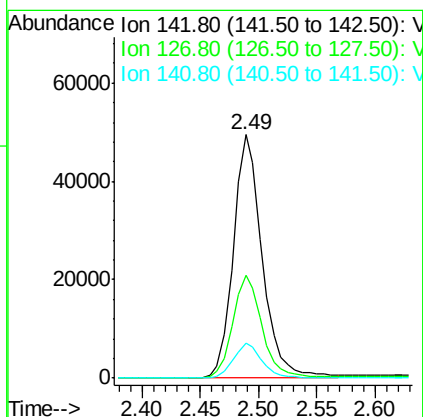
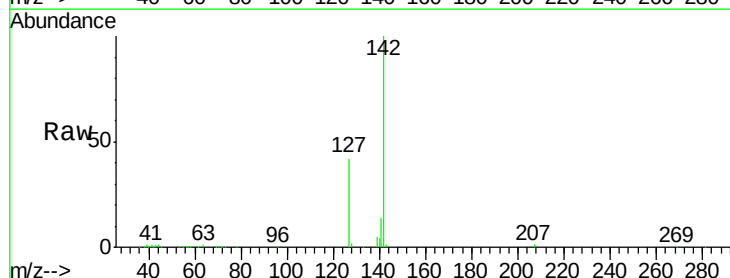
RT: 2.49 min Scan# 230

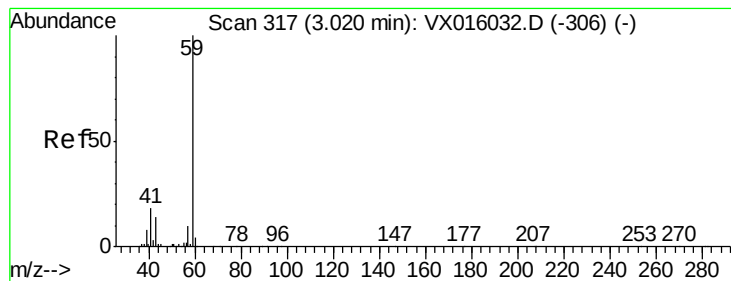
Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Tgt Ion:	142	Resp:	85639
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.6	52.0
141	14.3	11.3	16.9





#11

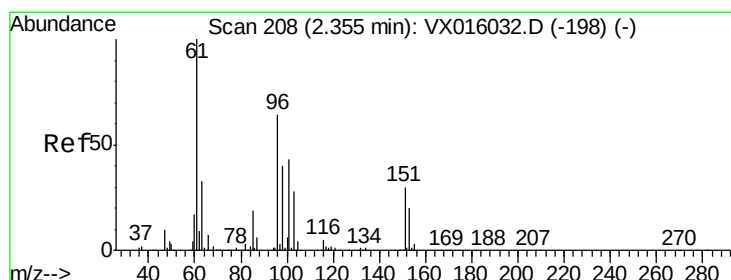
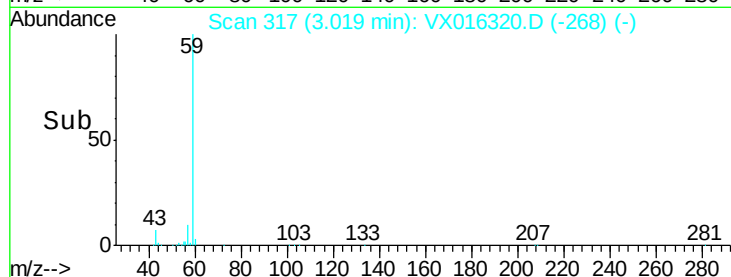
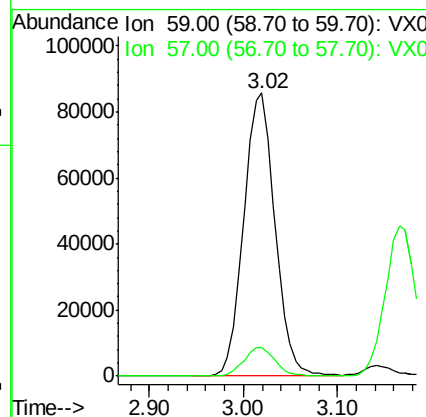
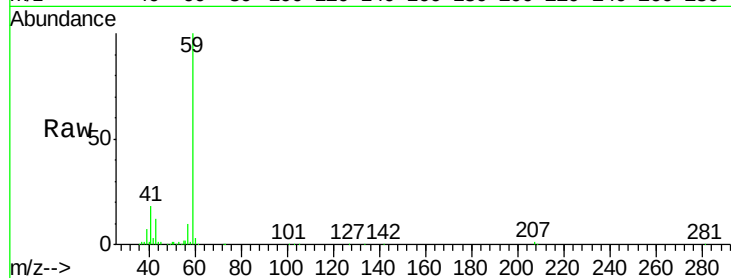
Tert butyl alcohol
Concen: 234.190 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
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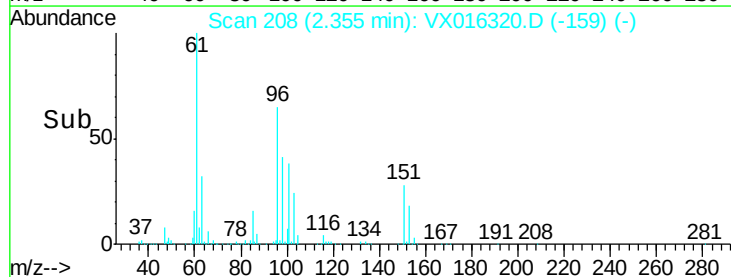
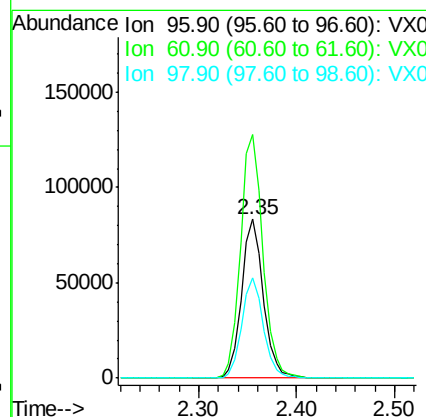
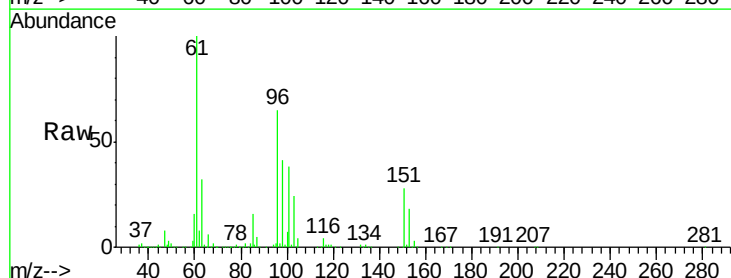
MMDadoda
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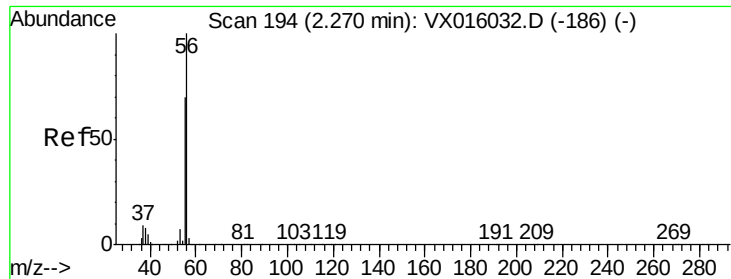


#12

1,1-Dichloroethene
Concen: 48.583 ug/l
RT: 2.35 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	124.8	187.2
98	63.3	49.7	74.5





#13

Acrolein

Concen: 272.049 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 144023

Ion Ratio Lower Upper

56 100

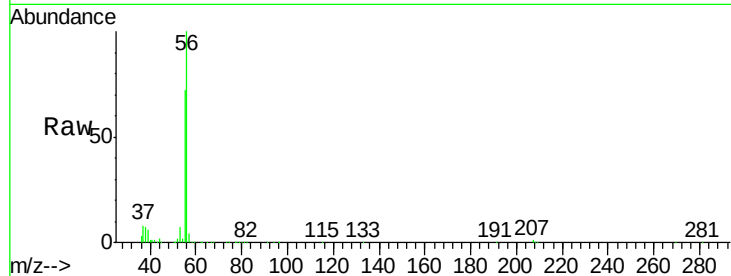
55 70.4 56.5 84.7

Manual Integrations

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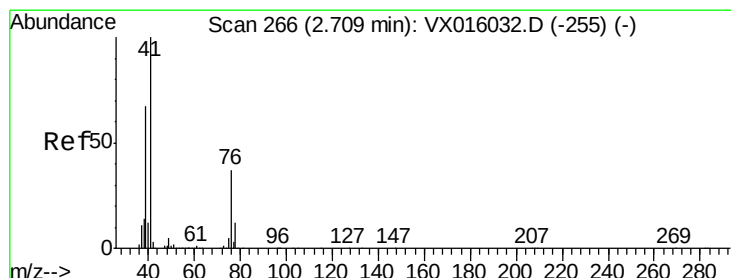
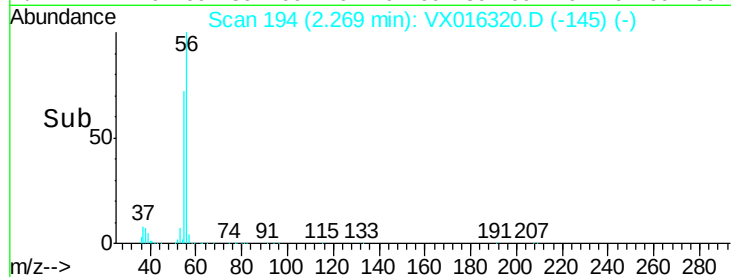
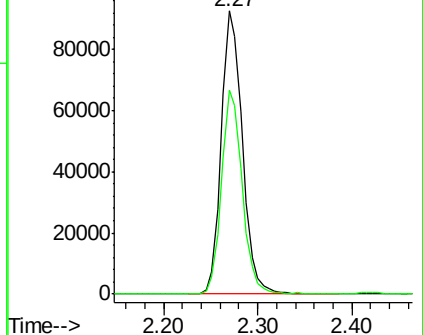
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.178 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

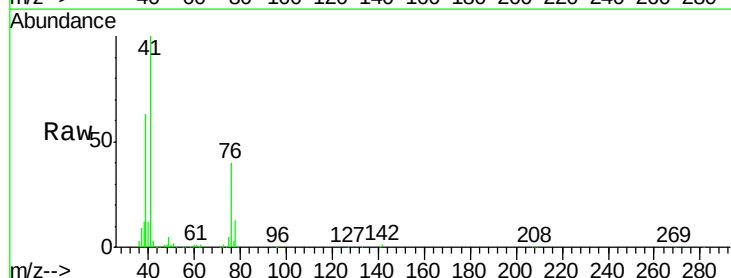
Tgt Ion: 41 Resp: 223769

Ion Ratio Lower Upper

41 100

39 58.1 50.5 75.7

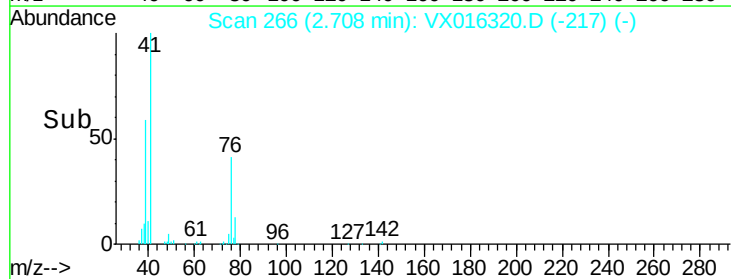
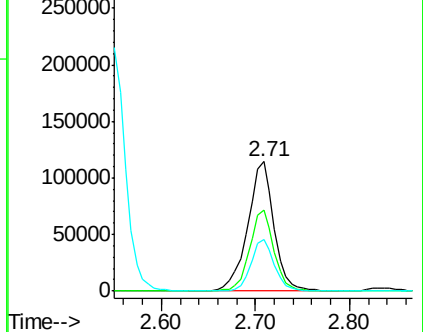
76 35.5 26.6 40.0

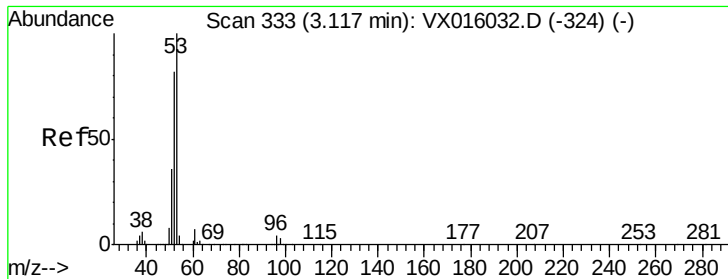


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 251.668 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

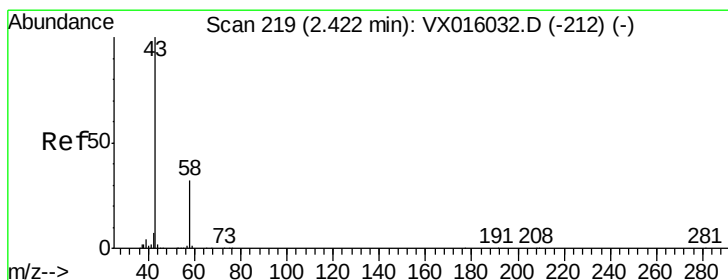
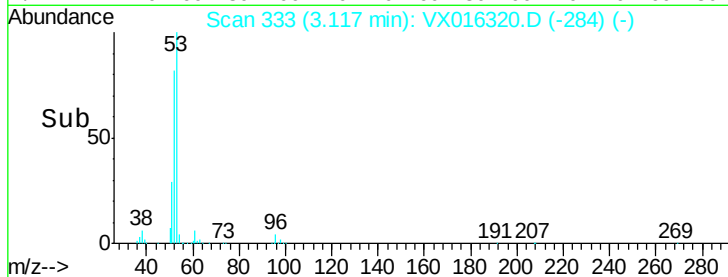
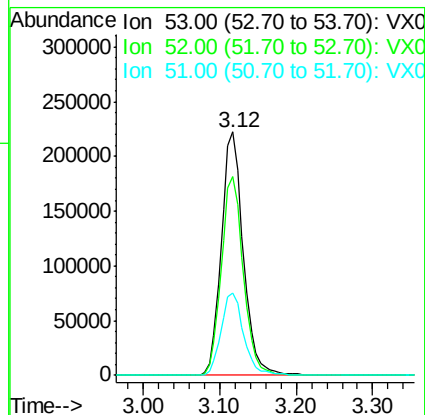
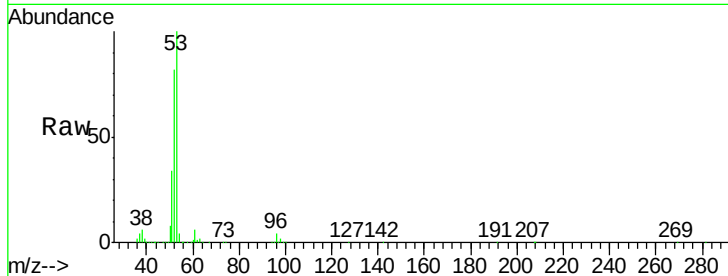
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	441687
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	35.1	28.8	43.2

Manual Integrations
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#16

Acetone

Concen: 225.813 ug/l

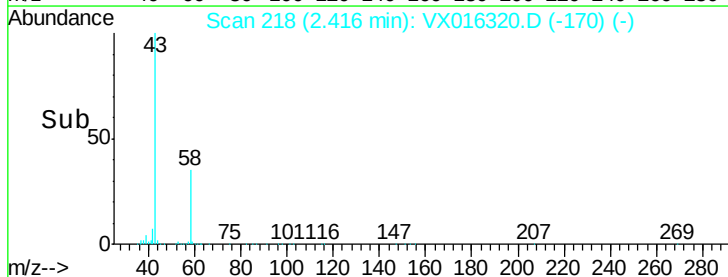
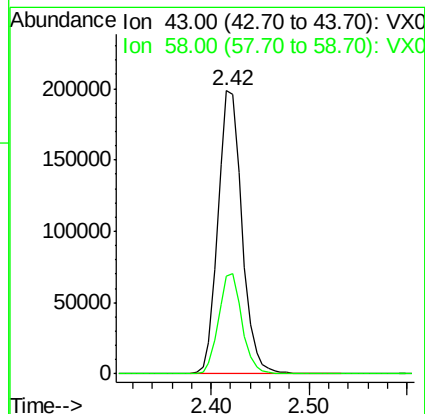
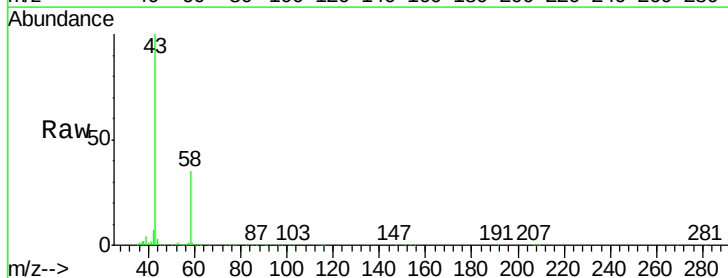
RT: 2.42 min Scan# 218

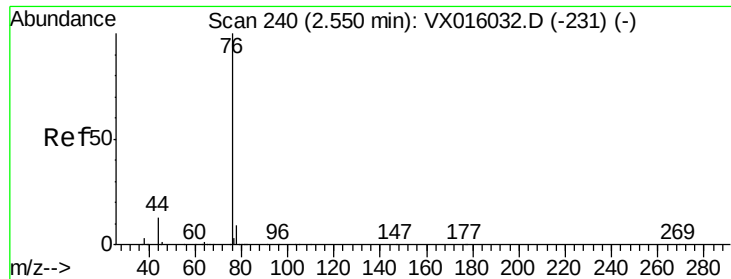
Delta R.T. -0.01 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Tgt Ion:	43	Resp:	337083
Ion	Ratio	Lower	Upper
43	100		
58	34.7	25.4	38.0





#17

Carbon Disulfide

Concen: 43.619 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 346399

Ion Ratio Lower Upper

76 100

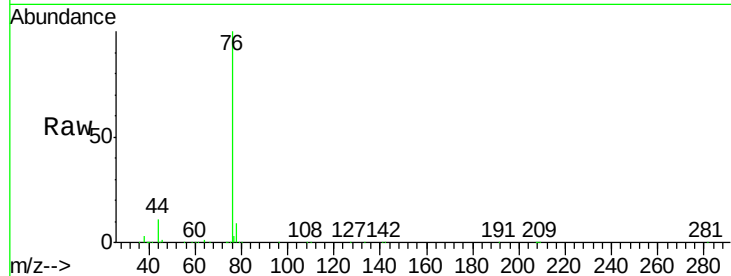
78 8.7 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

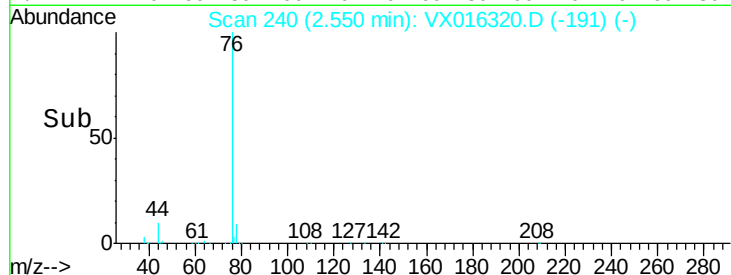
150000

100000

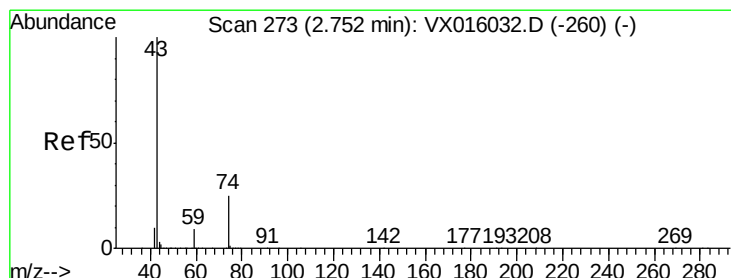
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 53.016 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX016320.D

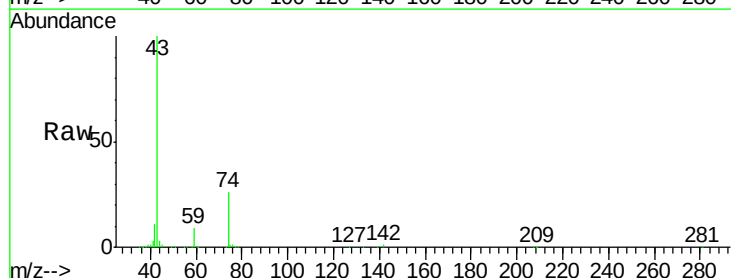
Acq: 18 May 2020 23:44

Tgt Ion: 43 Resp: 194586

Ion Ratio Lower Upper

43 100

74 26.1 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

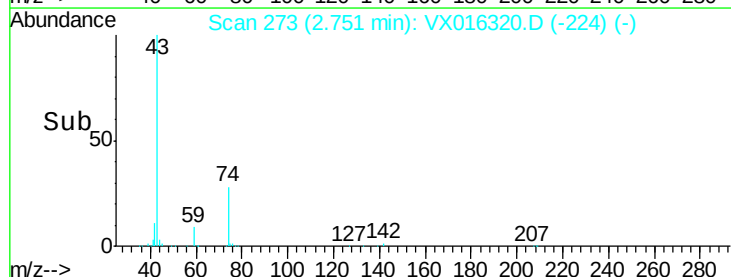
60000

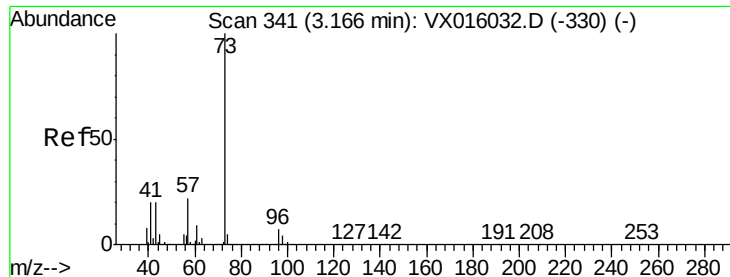
40000

20000

0

Time-->





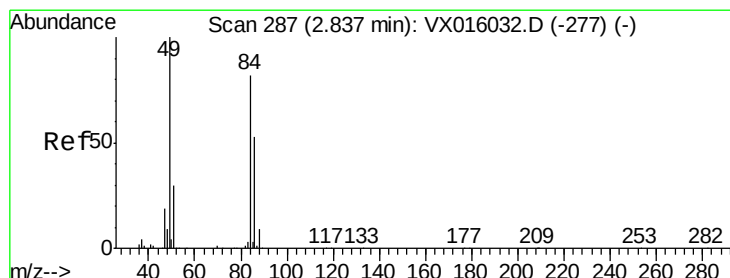
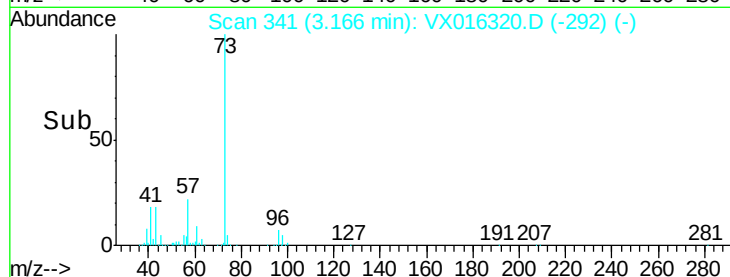
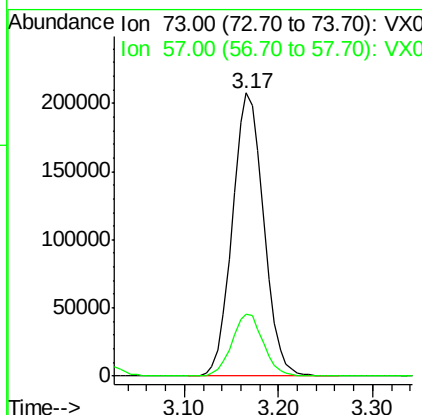
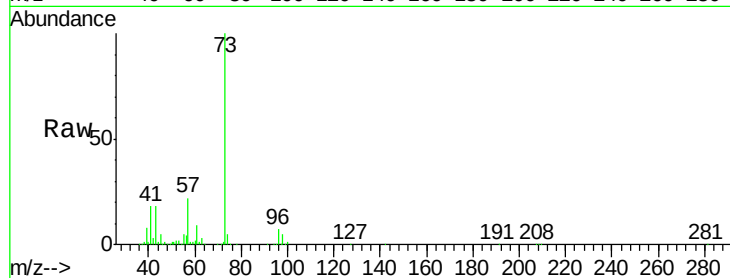
#19
Methyl tert-butyl Ether
Concen: 52.813 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.8	26.6

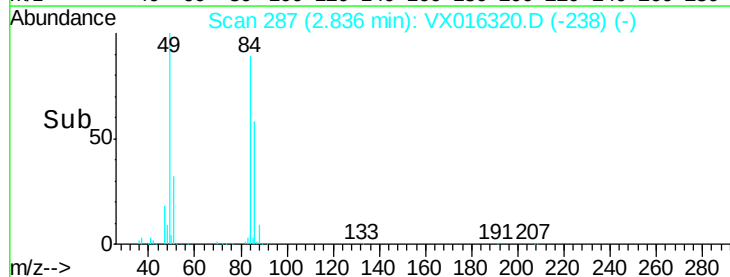
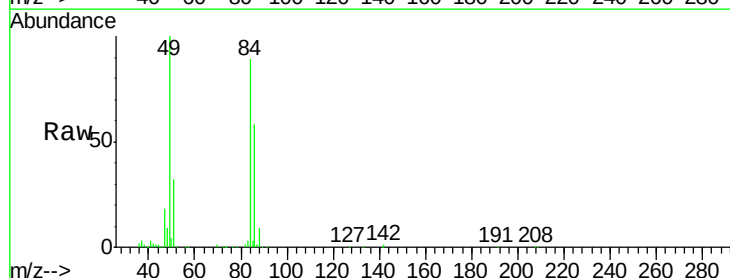
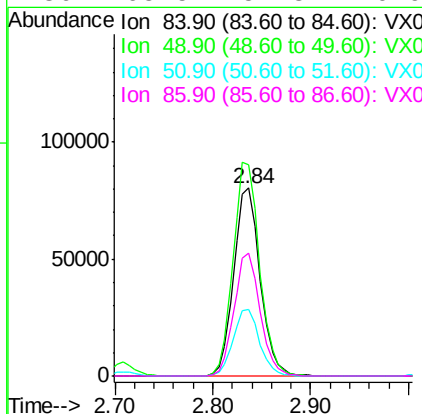
Manual Integrations
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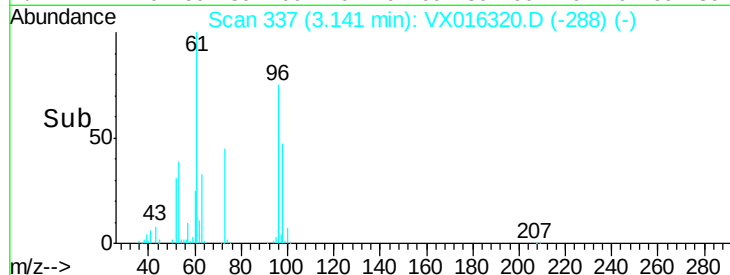
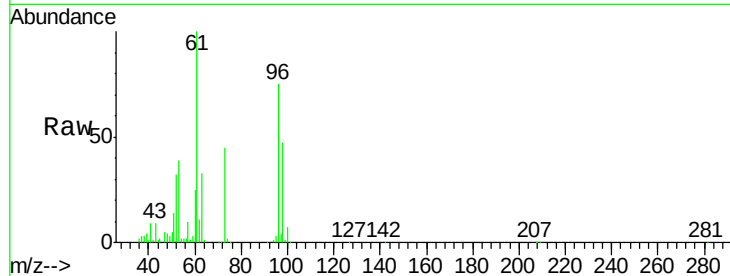
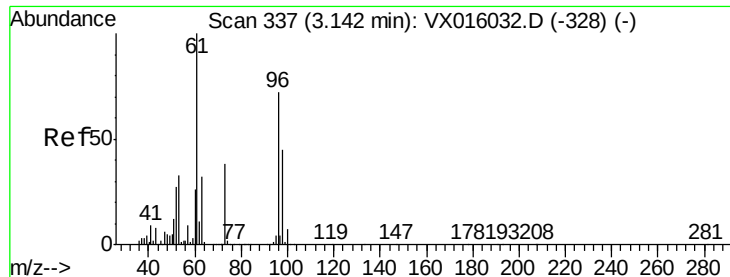
MMDadoda
5/19/2020 2:27:36 PM



#20
Methylene Chloride
Concen: 48.992 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.2	97.3	145.9
51	35.6	29.3	43.9
86	65.5	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 48.604 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Tot Ion:	96	Resp:	143145
Ion	Ratio	Lower	Upper
96	100		
61	133.5	111.2	166.8
98	62.1	50.2	75.4

Instrument :

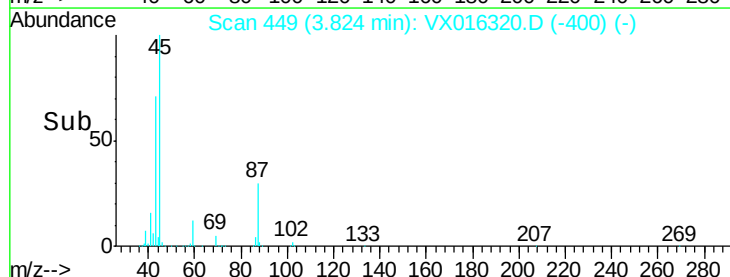
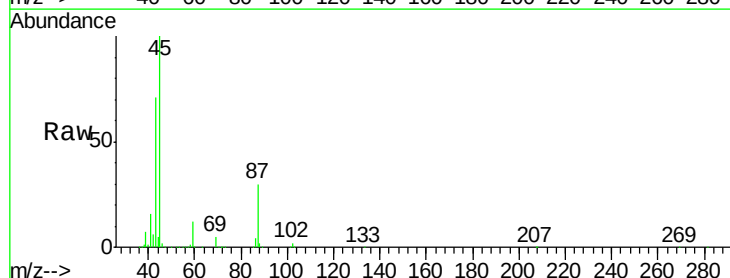
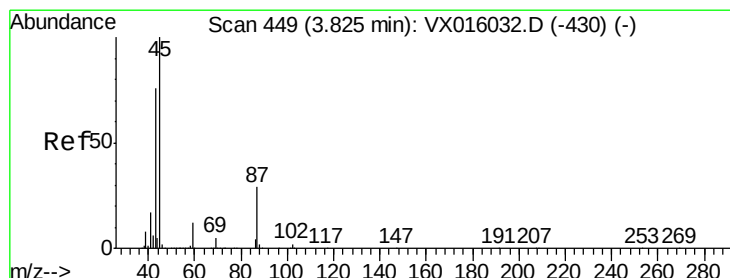
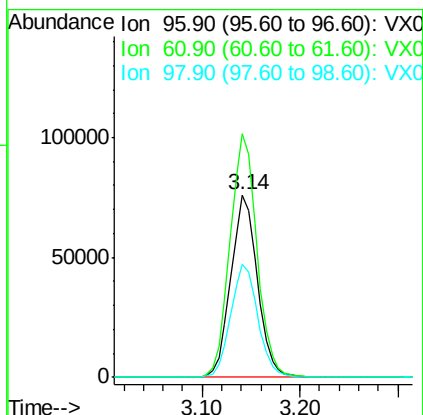
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.066 ug/l

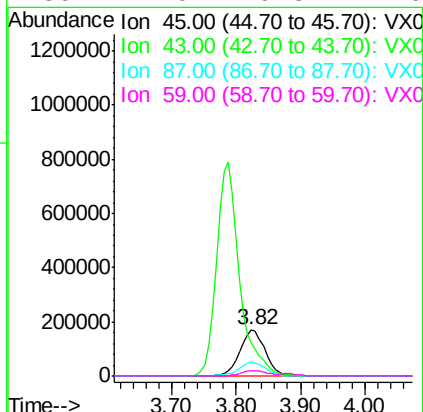
RT: 3.82 min Scan# 449

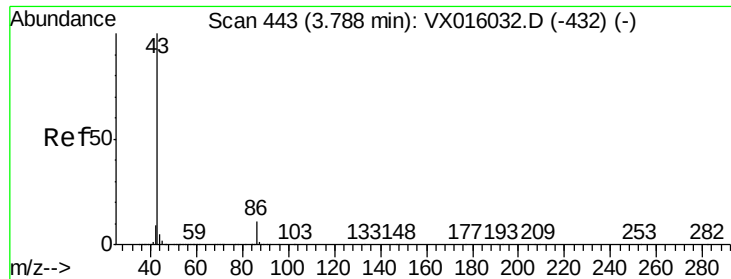
Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Tgt Ion:	45	Resp:	457695
Ion	Ratio	Lower	Upper
45	100		
43	71.1	61.1	91.7
87	29.9	23.0	34.6
59	12.0	9.8	14.6





#23

Vinyl Acetate

Concen: 246.919 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1985950

Ion Ratio Lower Upper

43 100

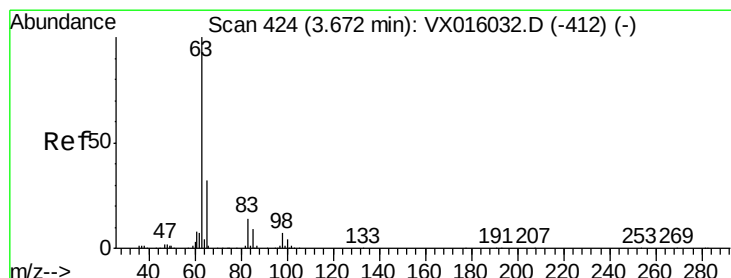
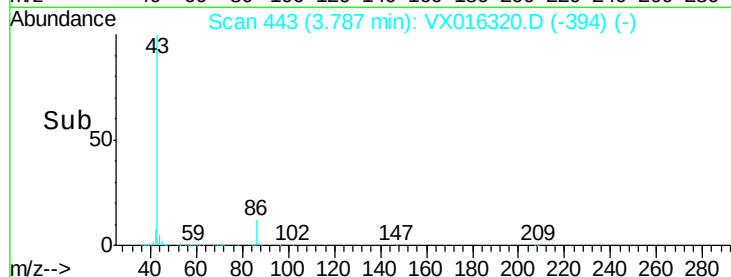
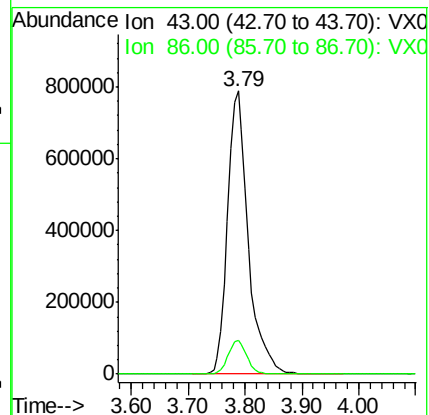
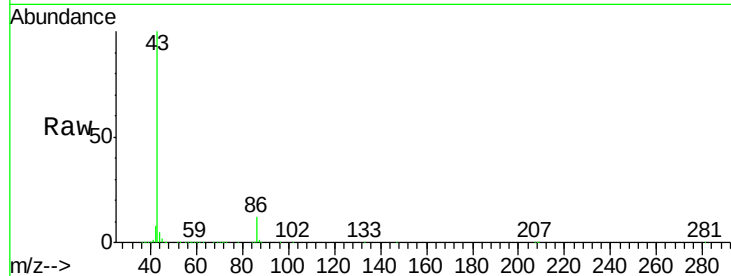
86 12.1 9.0 13.4

Manual Integrations

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5/19/2020 2:27:36 PM



#24

1,1-Dichloroethane

Concen: 50.972 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

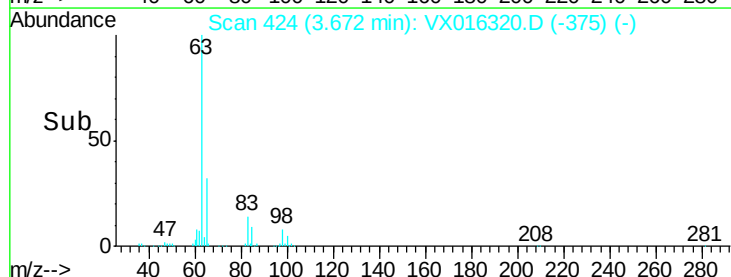
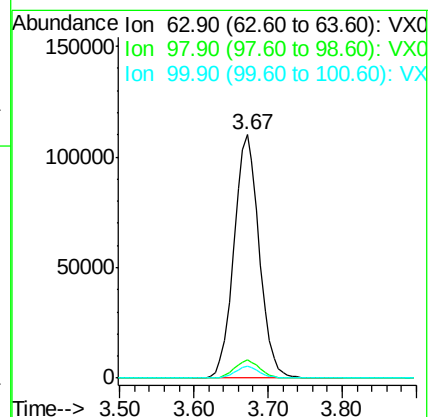
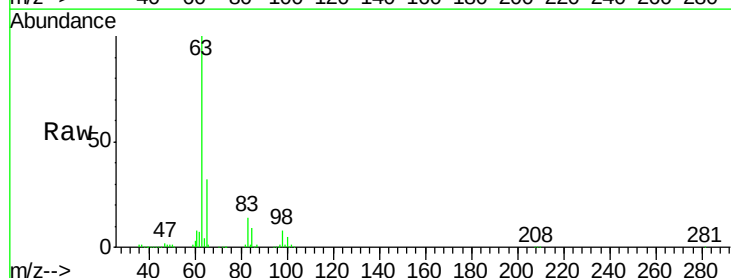
Tgt Ion: 63 Resp: 260667

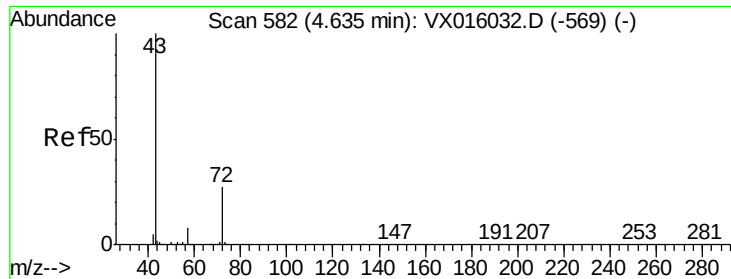
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

100 5.0 2.1 6.5





#25

2-Butanone

Concen: 246.668 ug/l

RT: 4.63 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Tot Ion: 43 Resp: 593343

Ion Ratio Lower Upper

43 100

72 28.4 21.8 32.8

Instrument :

MSVOA_X

ClientSampleId :

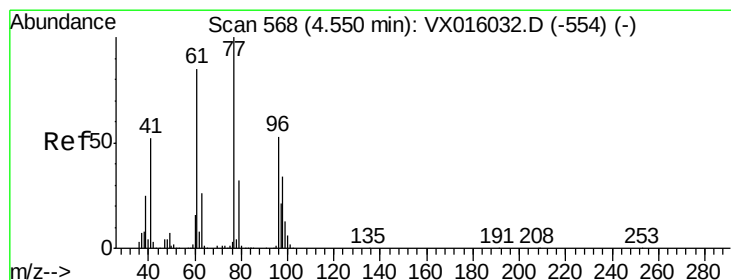
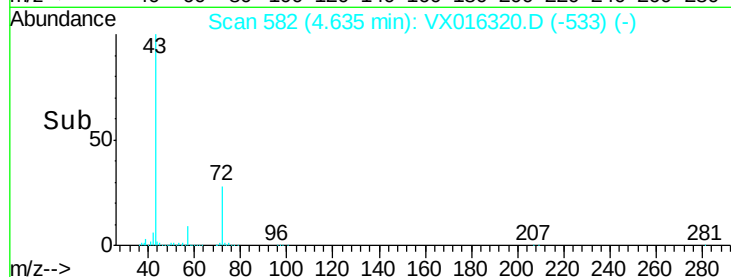
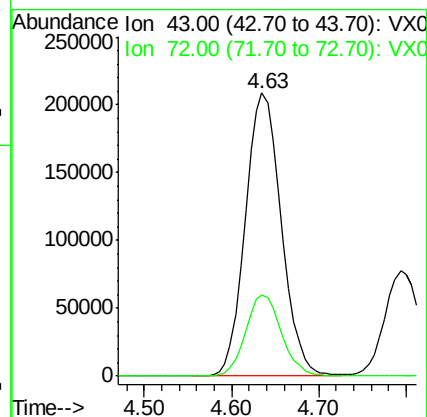
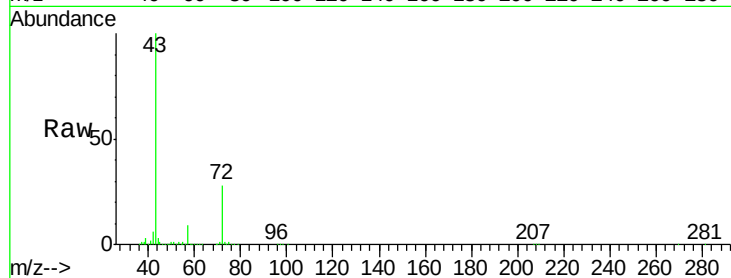
VSTDCCC050EC

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.085 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016320.D

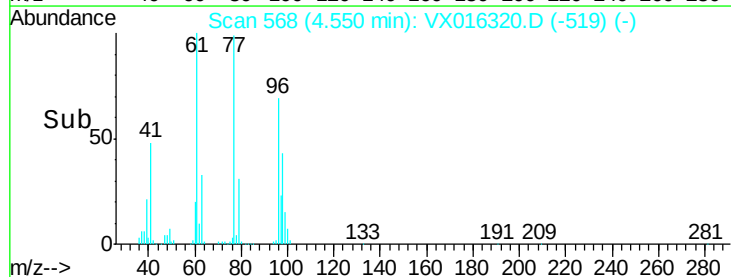
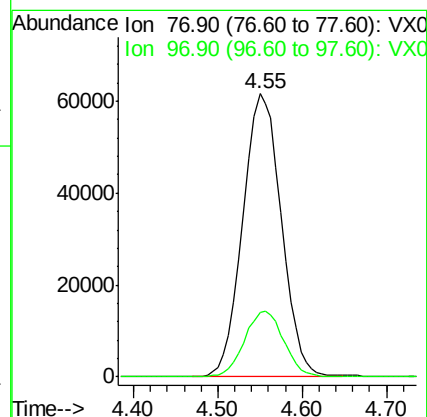
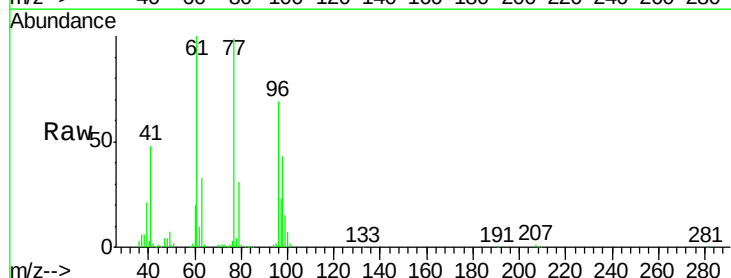
Acq: 18 May 2020 23:44

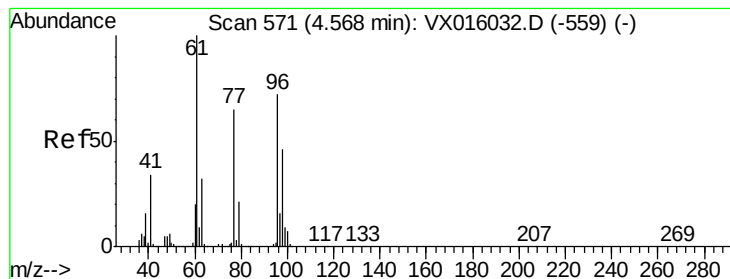
Tgt Ion: 77 Resp: 191879

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.6





#27

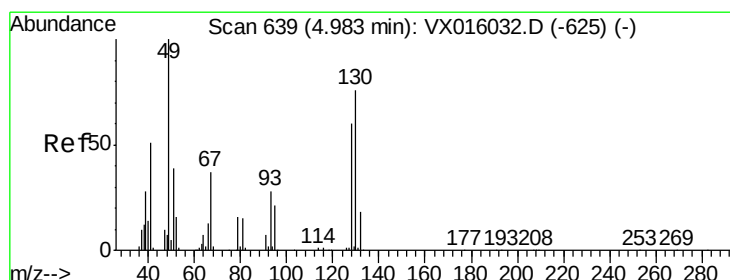
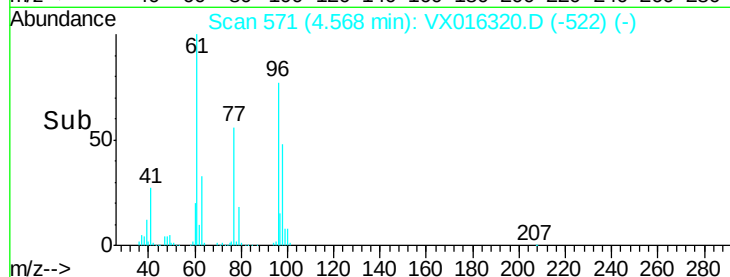
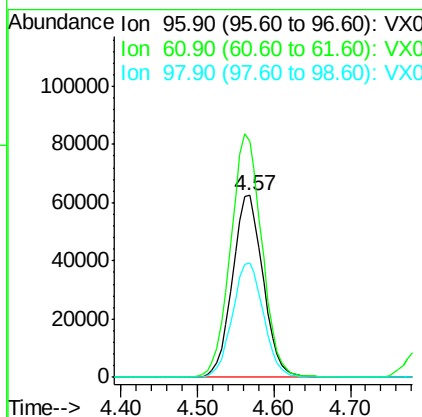
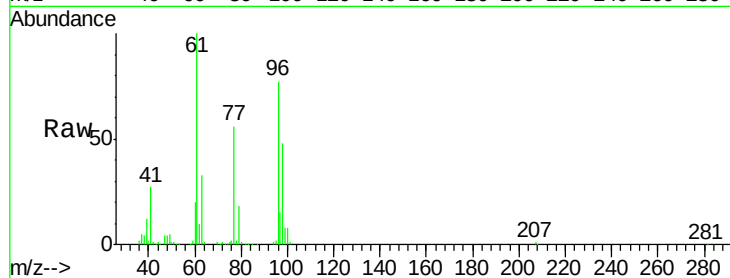
cis-1,2-Dichloroethene
Concen: 53.928 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	296.2
98	63.6	0.0	129.4

Manual Integrations
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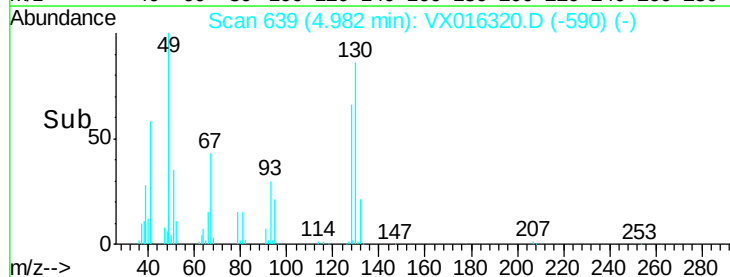
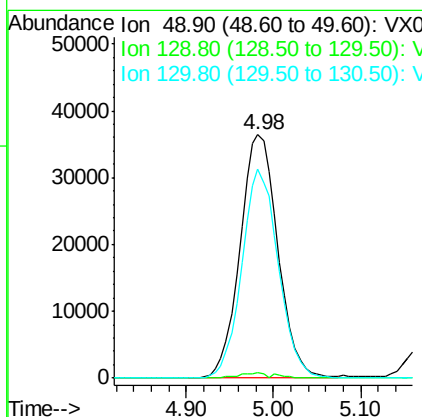
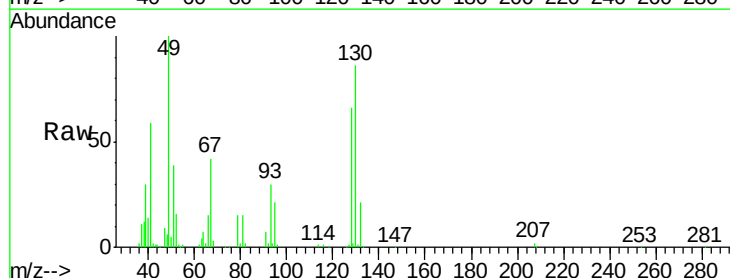
MMDadoda
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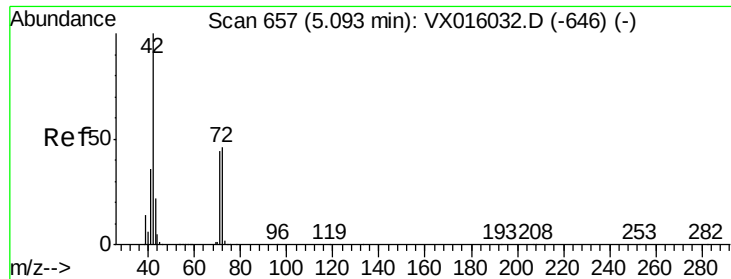


#28

Bromochloromethane
Concen: 46.897 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.0
130	83.1	62.4	93.6





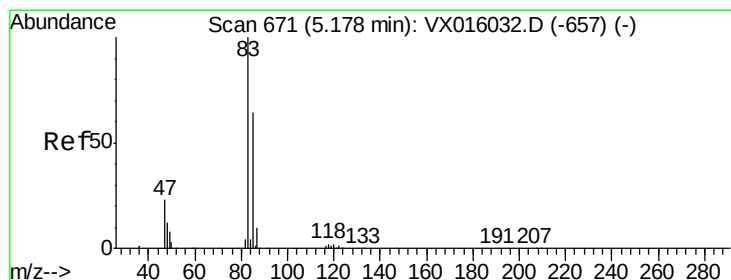
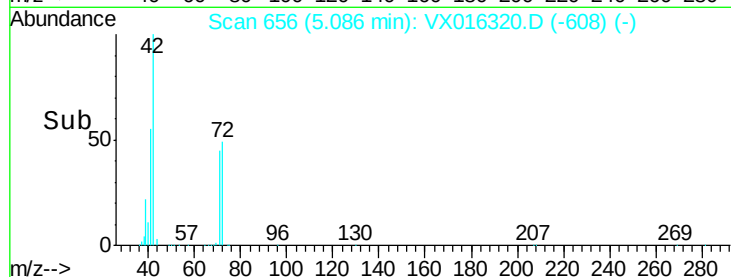
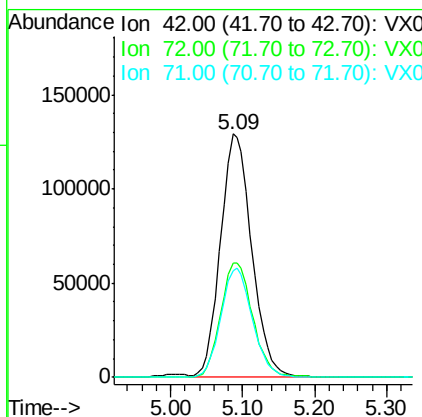
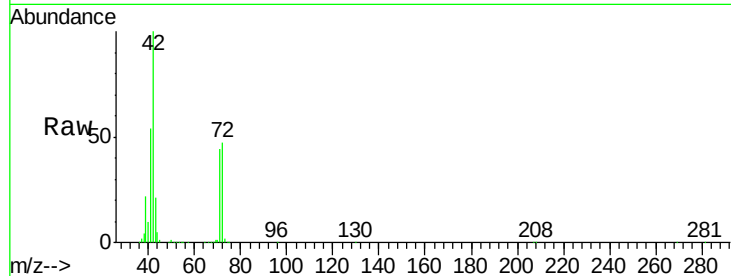
#29
Tetrahydrofuran
Concen: 244.007 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	388909
Ion Ratio		Lower	Upper
42	100		
72	48.8	37.1	55.7
71	45.4	34.5	51.7

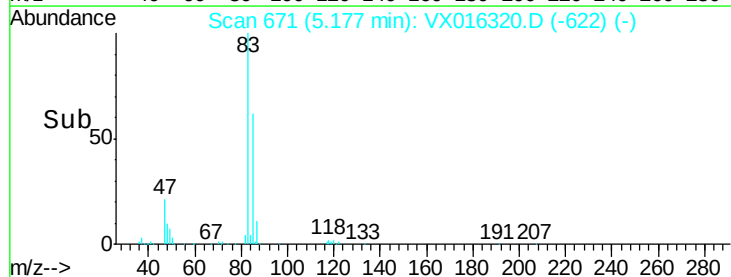
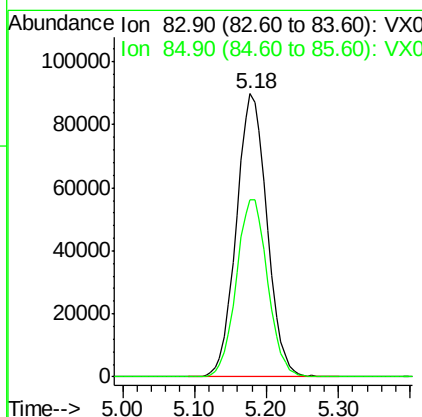
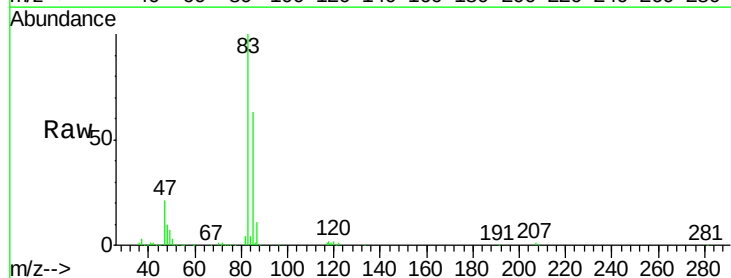
Manual Integrations
APPROVED

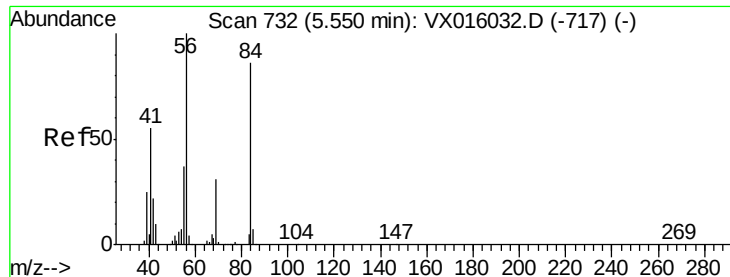
MMDadoda
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#30
Chloroform
Concen: 52.166 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion:	83	Resp:	265618
Ion Ratio		Lower	Upper
83	100		
85	62.8	51.6	77.4





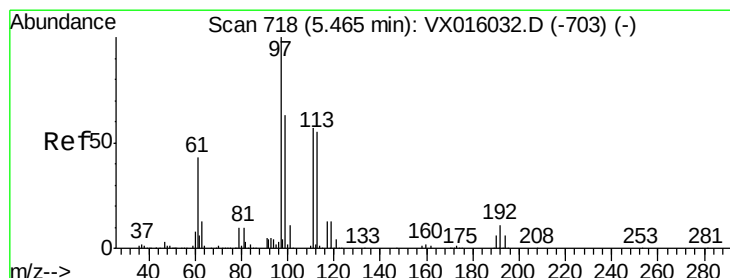
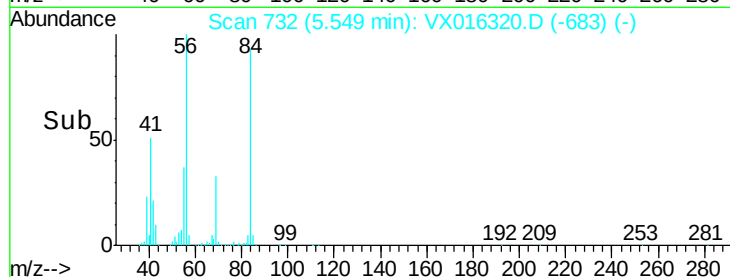
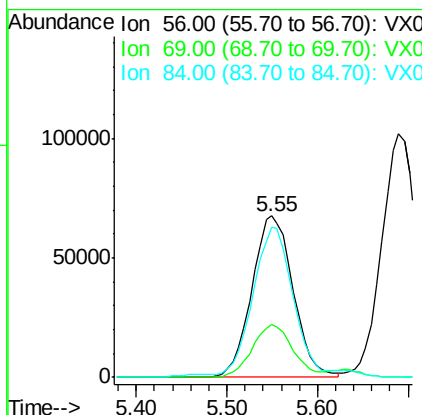
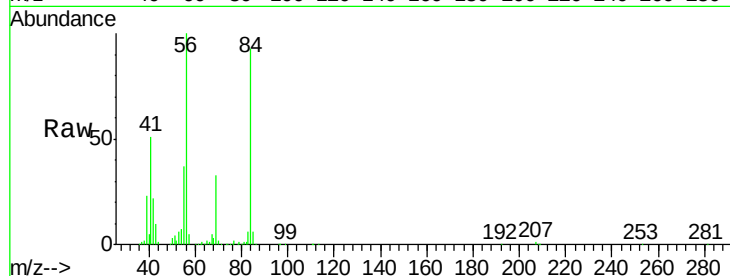
#31
Cyclohexane
Concen: 45.781 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.0	37.6
84	91.1	69.0	103.6

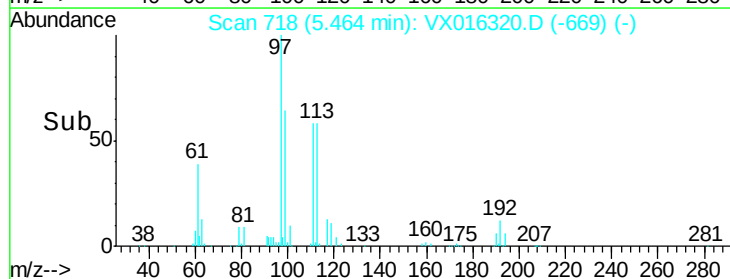
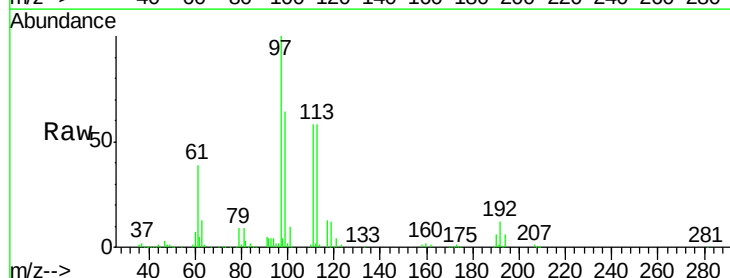
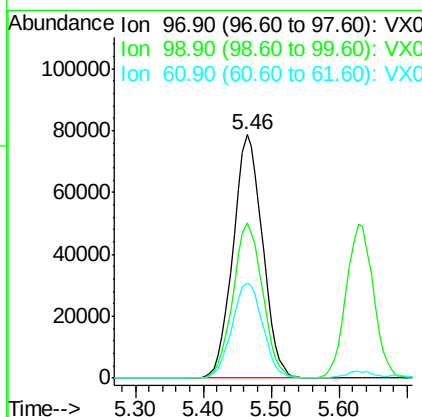
Manual Integrations
APPROVED

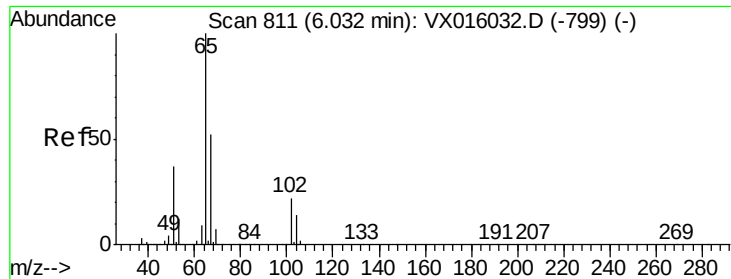
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#32
1,1,1-Trichloroethane
Concen: 51.170 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.4
61	40.8	34.5	51.7





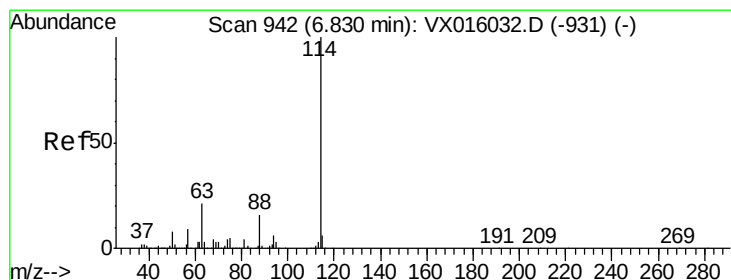
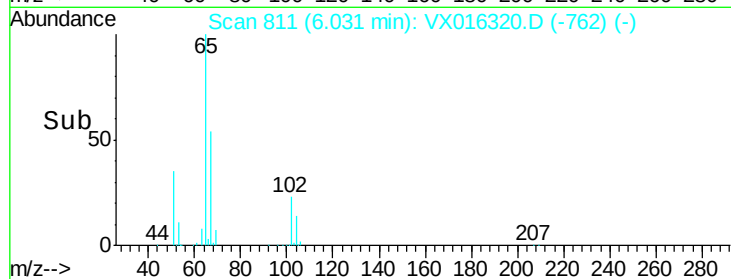
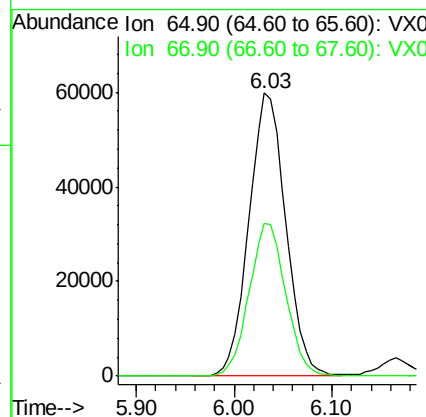
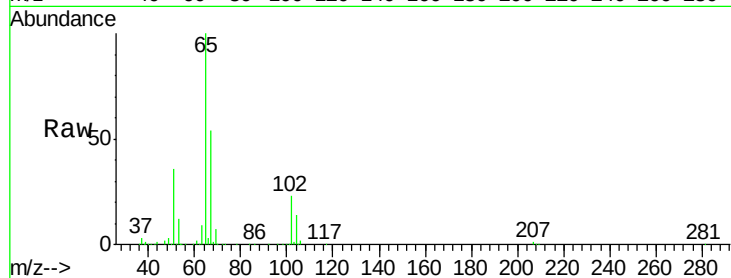
#33
 1,2-Dichloroethane-d4
 Concen: 46.730 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	156336		
67	53.7	0.0	104.8	

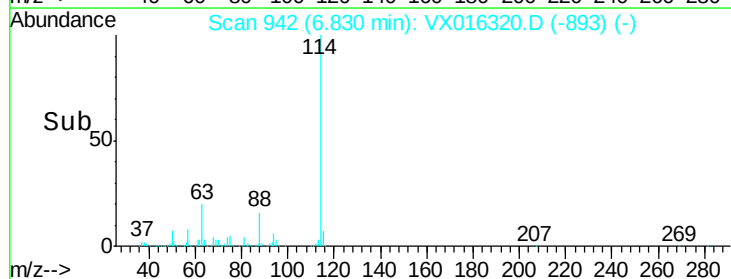
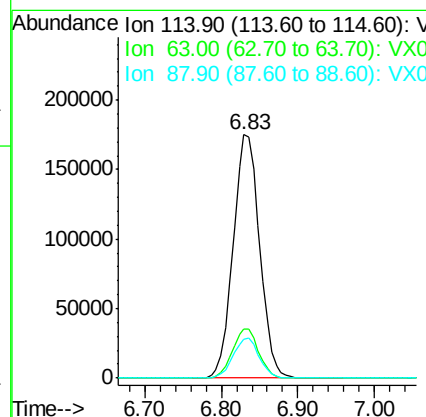
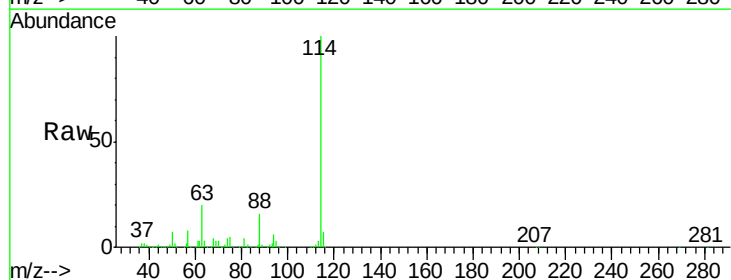
Manual Integrations
 APPROVED

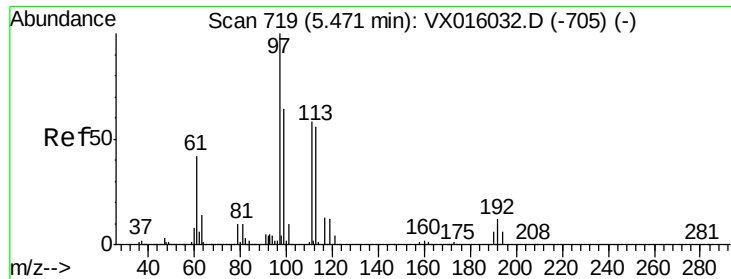
MMDadoda
 5/19/2020 2:27:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	418886		
63	20.4	0.0	42.8	
88	16.2	0.0	31.4	





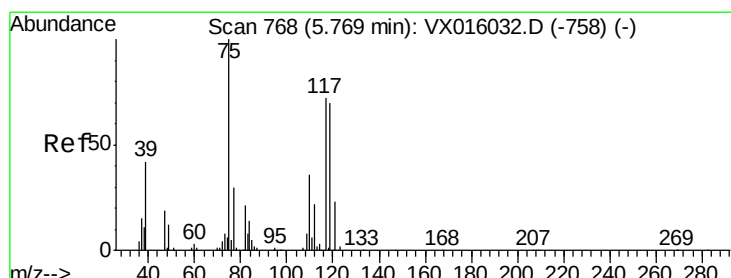
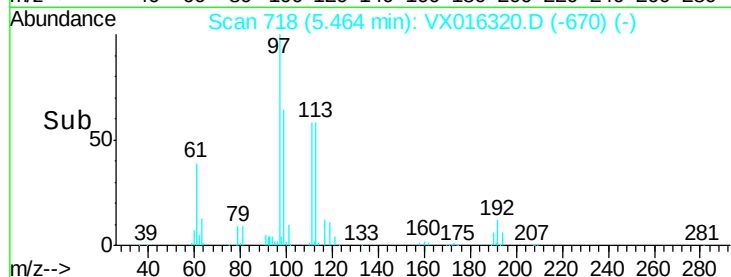
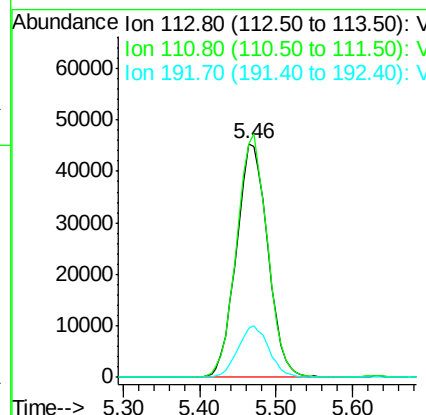
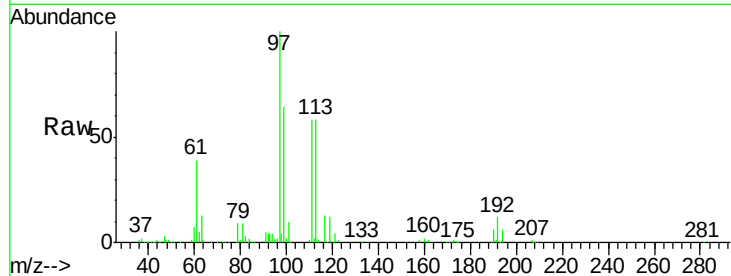
#35
Dibromofluoromethane
Concen: 48.696 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	129231		
111	102.3	81.6	122.4	
192	21.8	17.0	25.4	

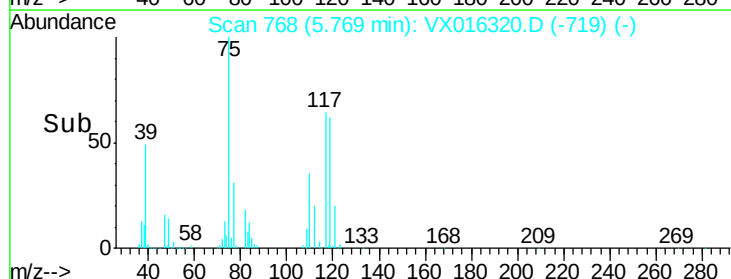
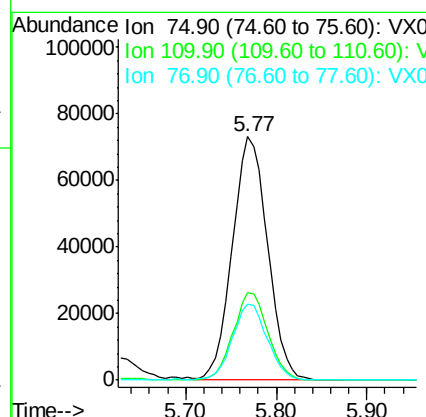
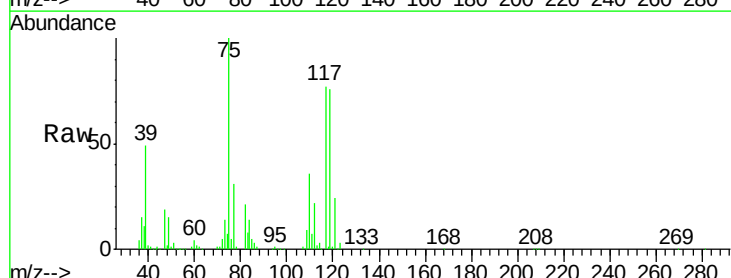
Manual Integrations
APPROVED

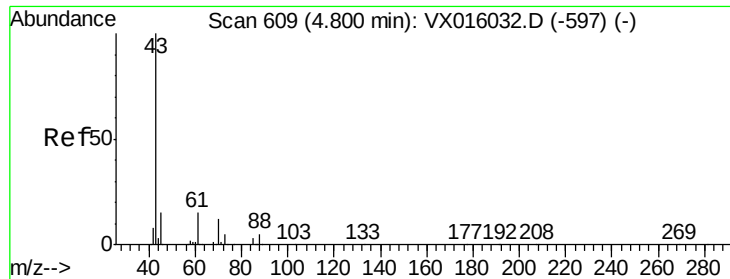
MMDadoda
5/19/2020 2:27:36 PM



#36
1,1-Dichloropropene
Concen: 47.693 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	196657		
110	35.6	18.1	54.1	
77	31.0	25.0	37.6	





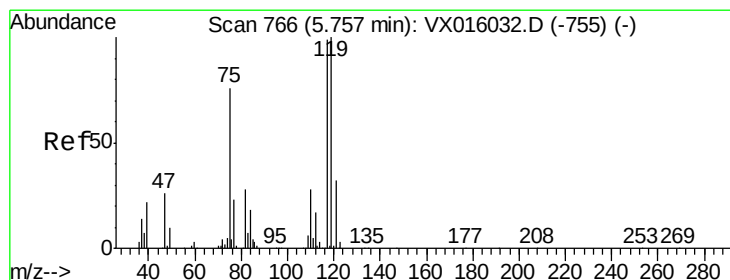
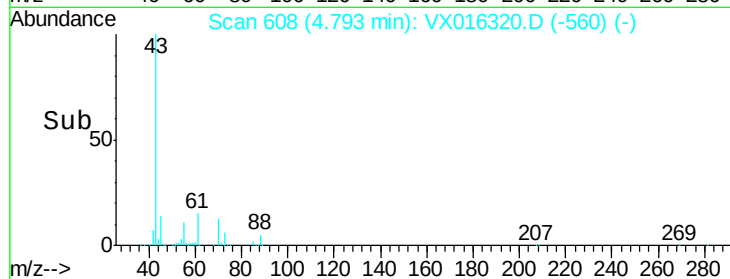
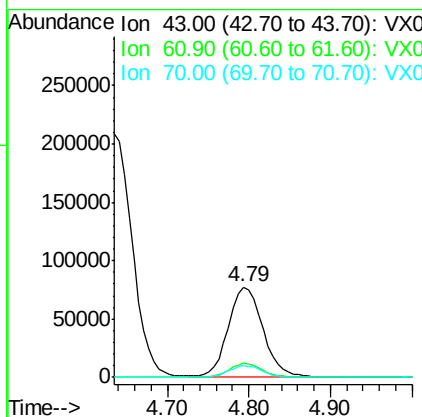
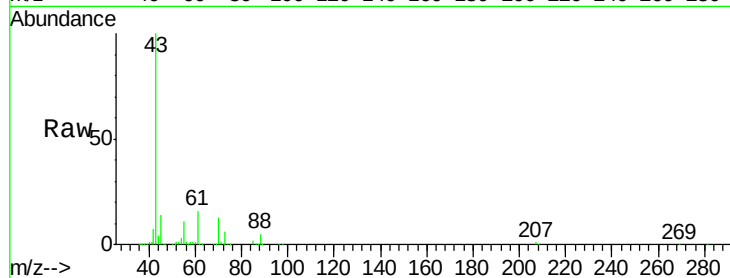
#37
Ethyl Acetate
Concen: 47.112 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	225151
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	12.5	9.3	13.9

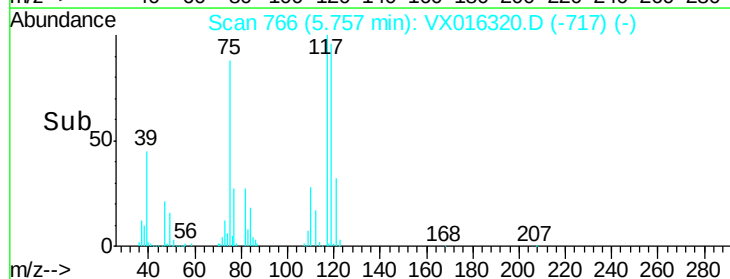
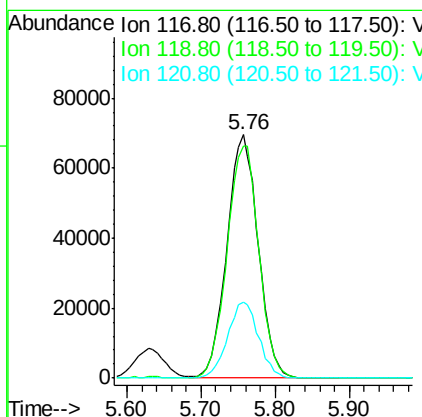
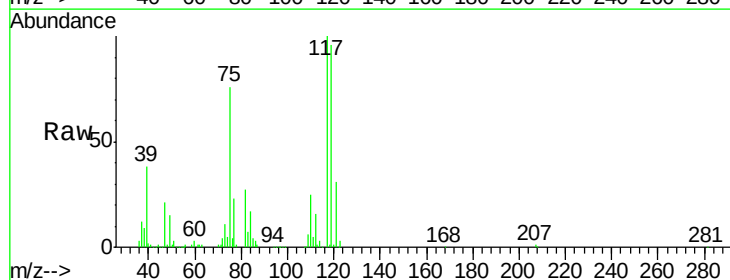
Manual Integrations
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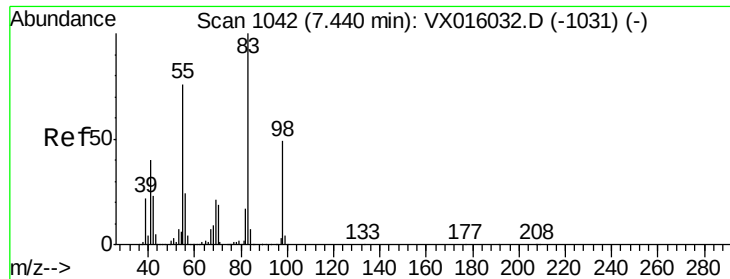
MMDadoda
5/19/2020 2:27:36 PM



#38
Carbon Tetrachloride
Concen: 48.617 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	117	Resp	203757
Ion	Ratio	Lower	Upper
117	100		
119	95.4	80.3	120.5
121	31.4	25.7	38.5





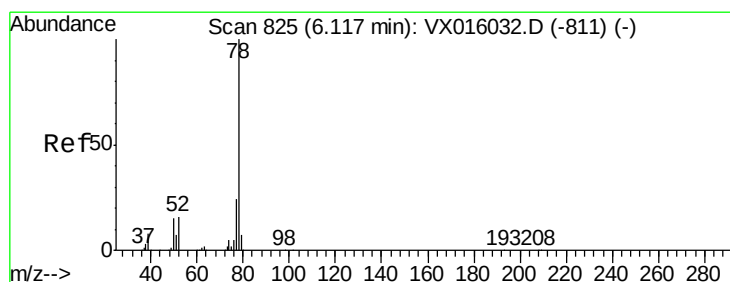
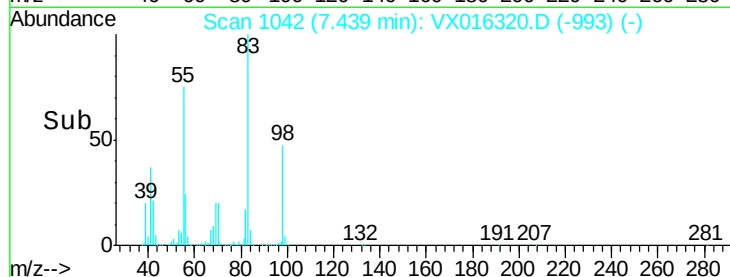
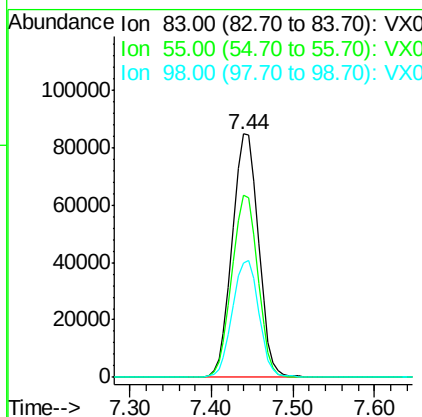
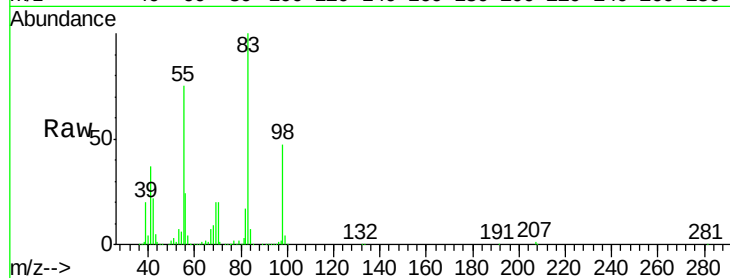
#39
Methylvlcyclohexane
Concen: 37.942 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.1	91.7
98	47.0	39.0	58.4

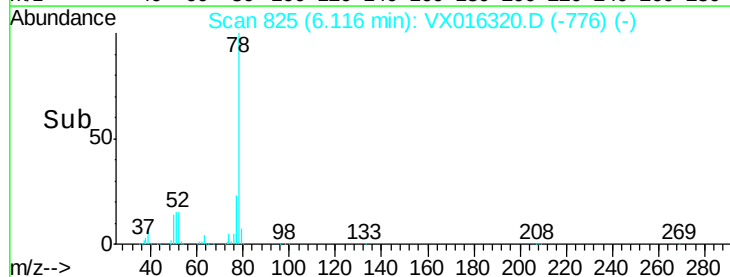
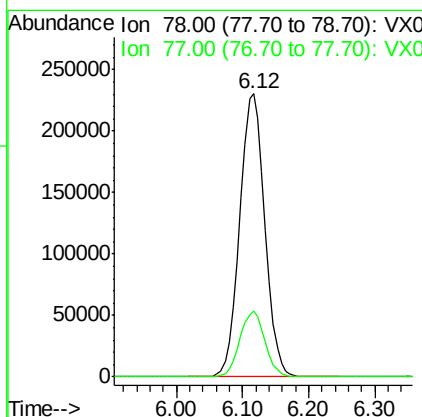
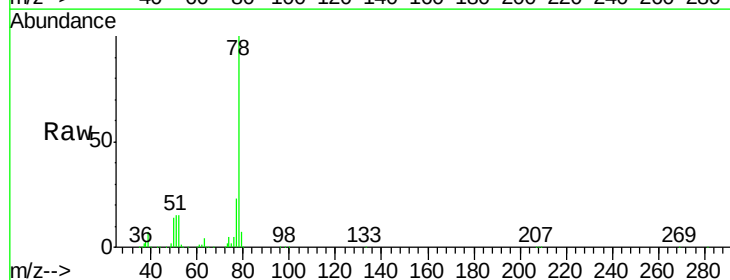
Manual Integrations
APPROVED

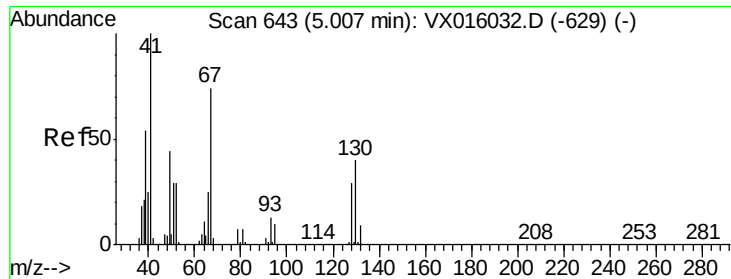
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5/19/2020 2:27:36 PM



#40
Benzene
Concen: 50.159 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





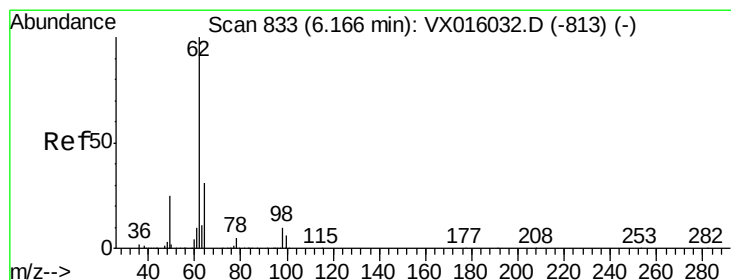
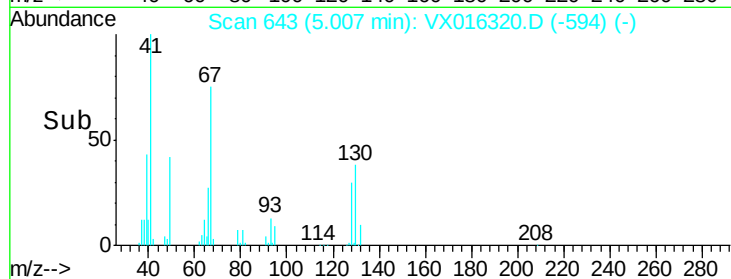
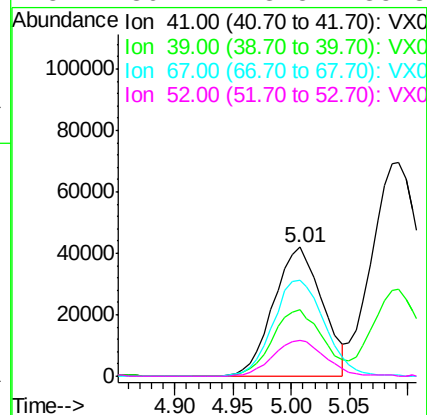
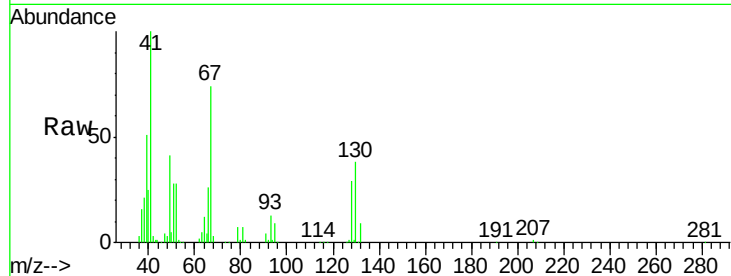
#41
Methacrylonitrile
Concen: 47.374 ug/l
RT: 5.01 min Scan# 643
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		122270		
39	54.2	43.2	64.8		
67	78.6	59.3	88.9		
52	30.4	23.5	35.3		

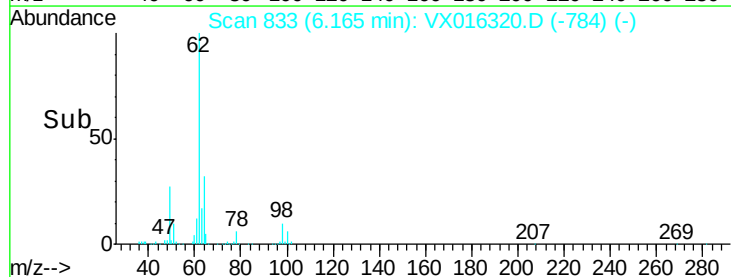
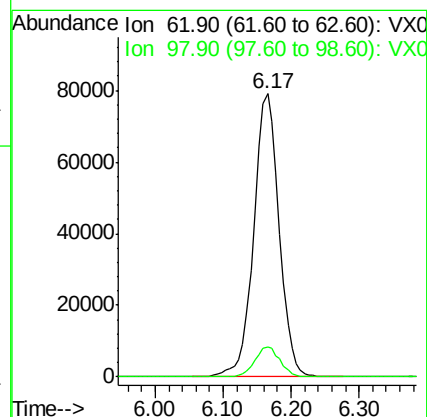
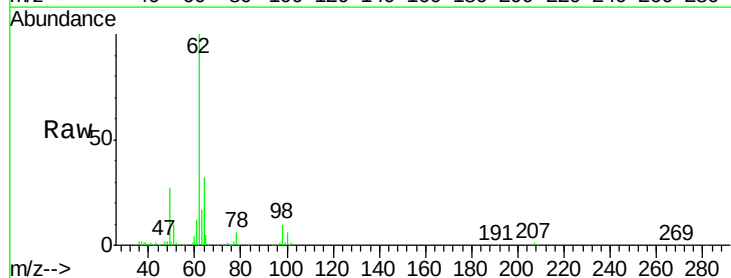
Manual Integrations
APPROVED

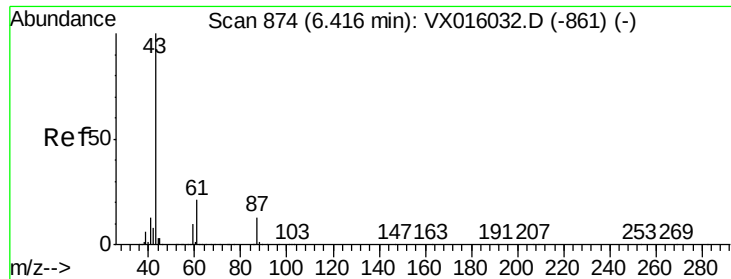
MMDadoda
5/19/2020 2:27:36 PM



#42
1,2-Dichloroethane
Concen: 47.353 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		205802		
98	10.4	0.0	19.4		





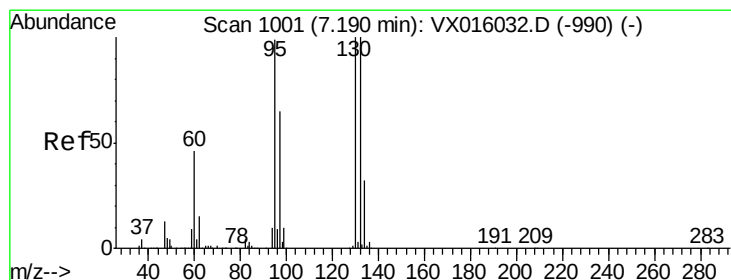
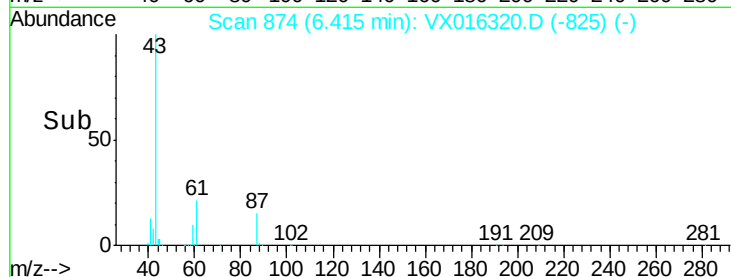
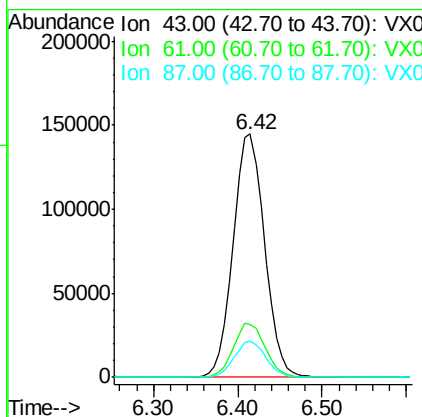
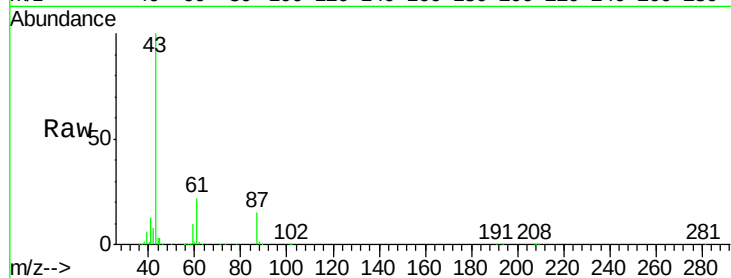
#43
Isopropyl Acetate
Concen: 47.718 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.0	25.4
87	14.9	11.0	16.6

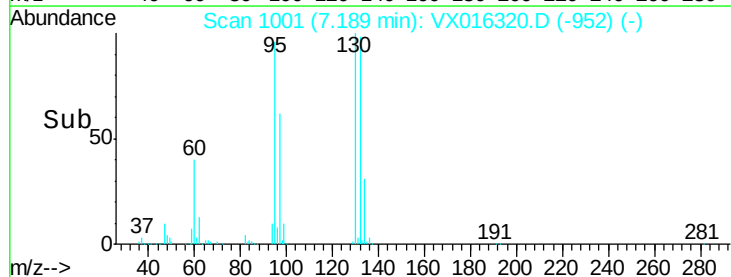
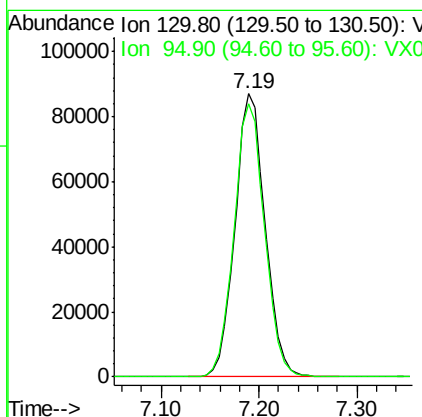
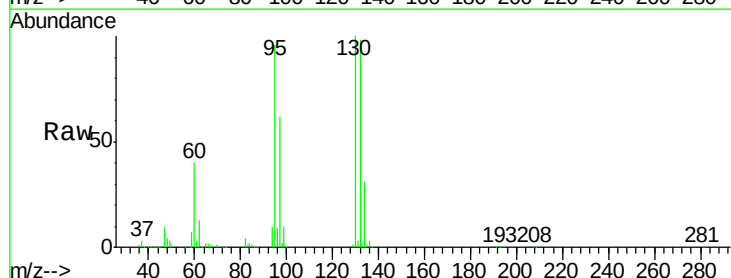
Manual Integrations
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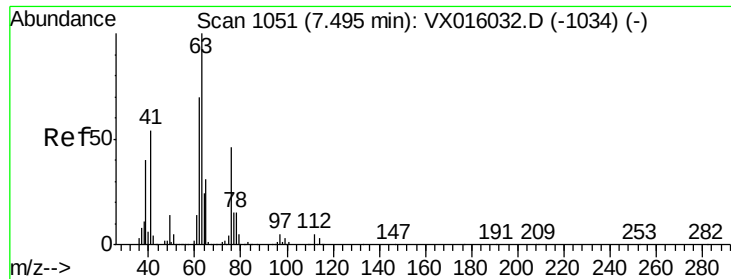
MMDadoda
5/19/2020 2:27:36 PM



#44
Trichloroethene
Concen: 43.417 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	197.4





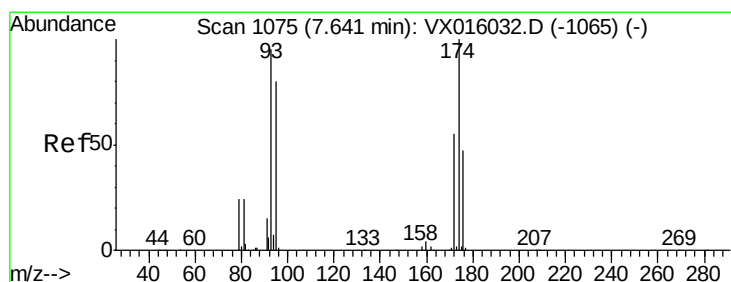
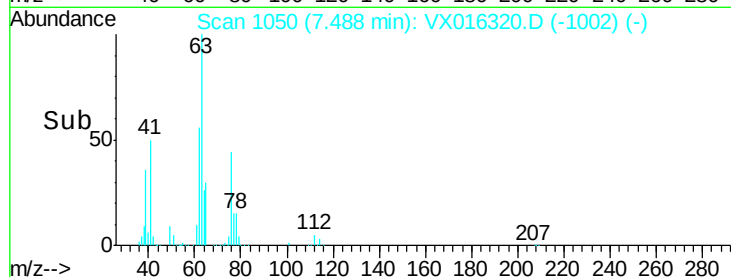
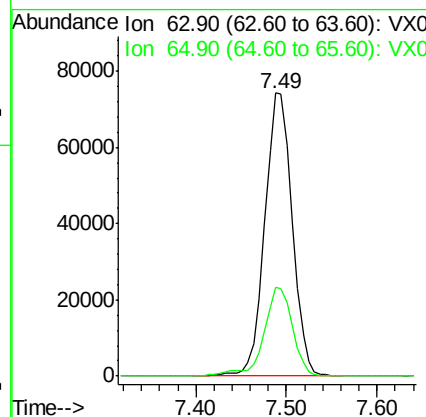
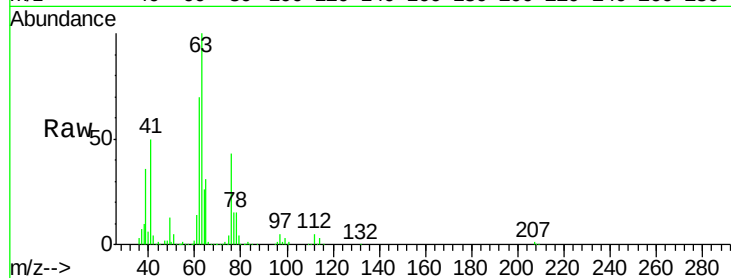
#45
 1,2-Dichloropropane
 Concen: 50.942 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.4	36.6

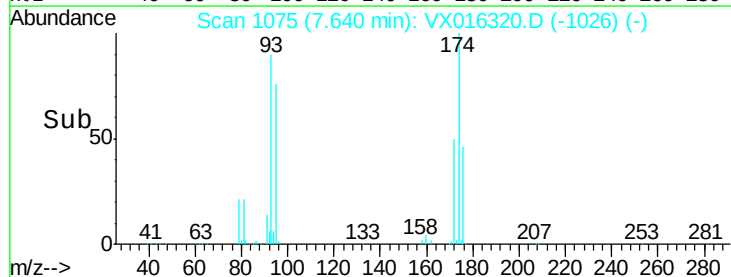
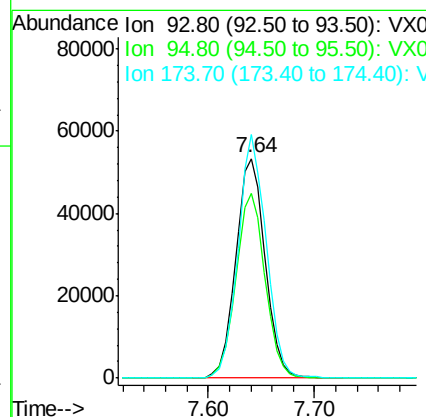
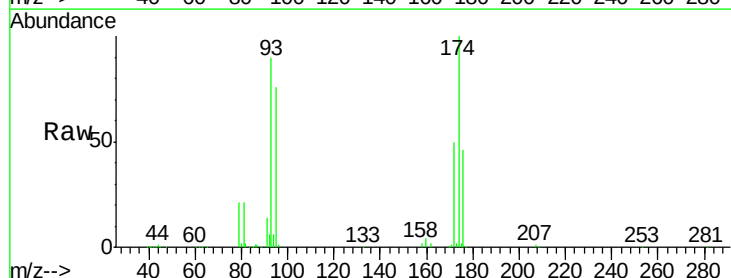
Manual Integrations
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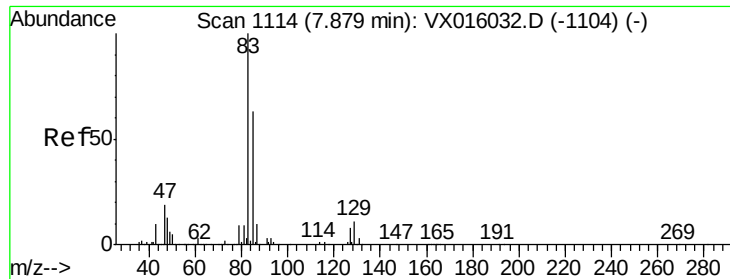
MMDadoda
 5/19/2020 2:27:36 PM



#46
 Dibromomethane
 Concen: 49.711 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.6	100.0
174	106.1	84.2	126.4





#47

Bromodichloromethane

Concen: 51.108 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

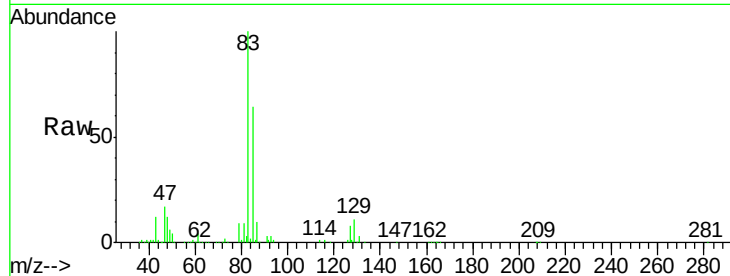
ClientSampleId :

VSTDCCC050EC

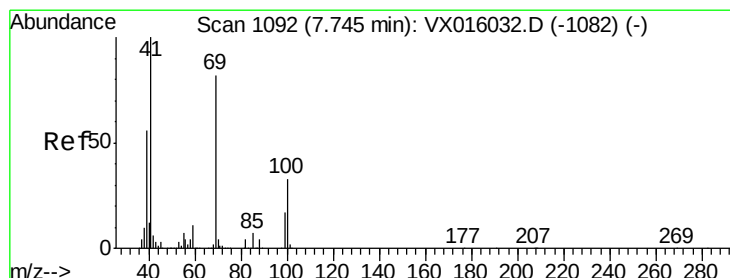
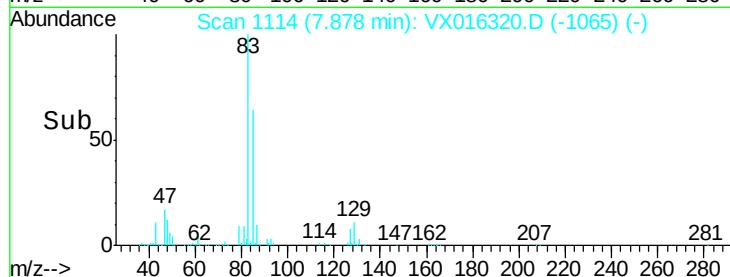
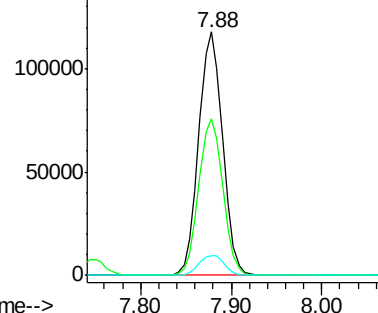
Tot Ion:	83	Resp:	215943
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.5	75.7
127	8.3	6.7	10.1

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.789 ug/l

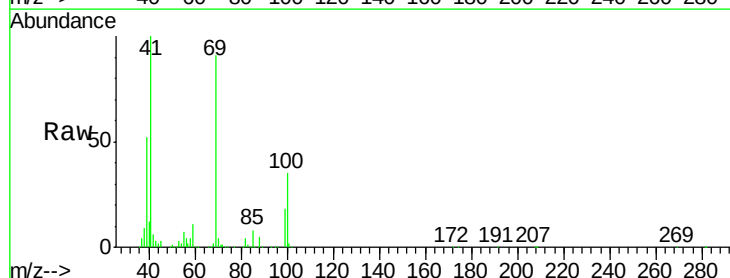
RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

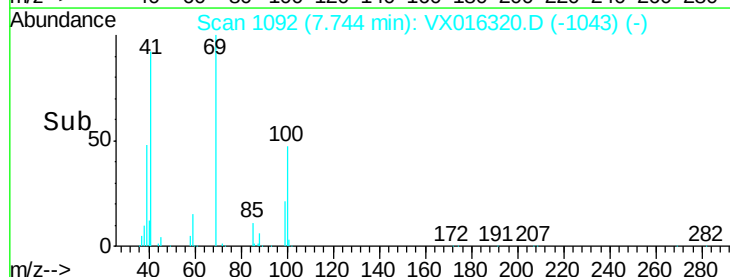
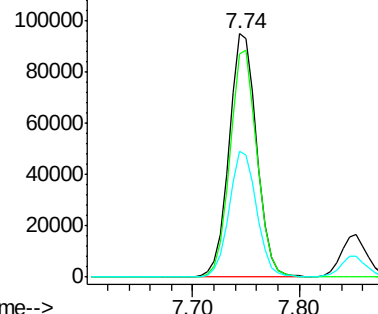
Lab File: VX016320.D

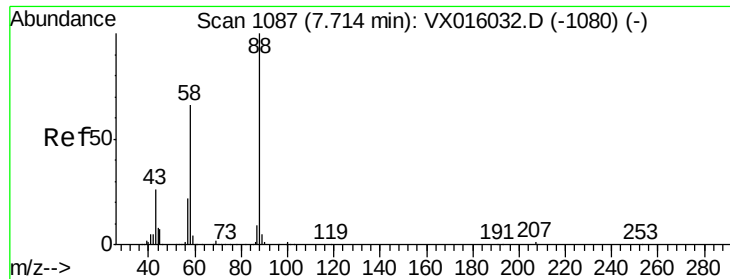
Acq: 18 May 2020 23:44

Tgt Ion:	41	Resp:	172668
Ion	Ratio	Lower	Upper
41	100		
69	91.4	67.8	101.6
39	51.3	44.6	67.0



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





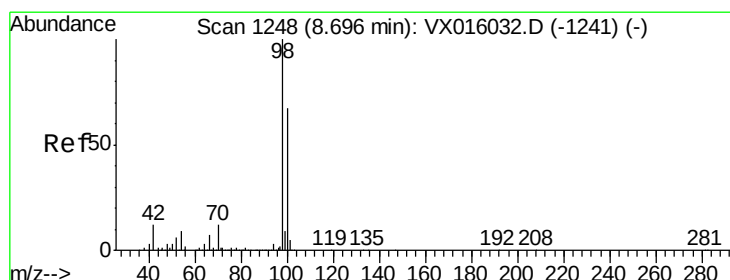
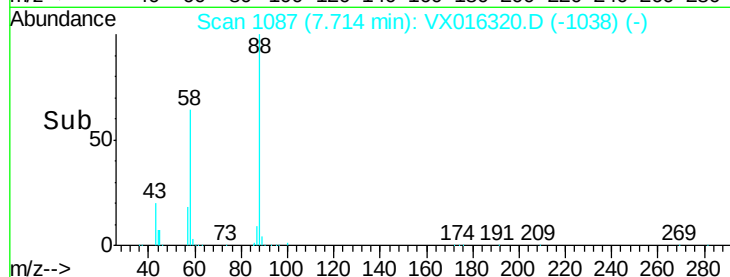
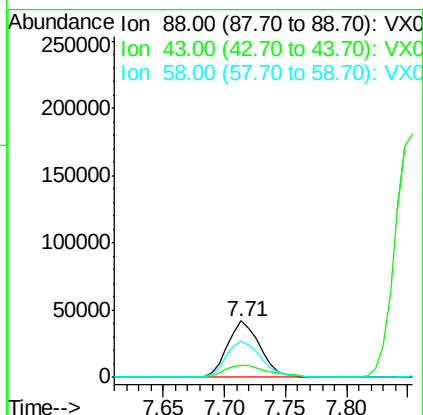
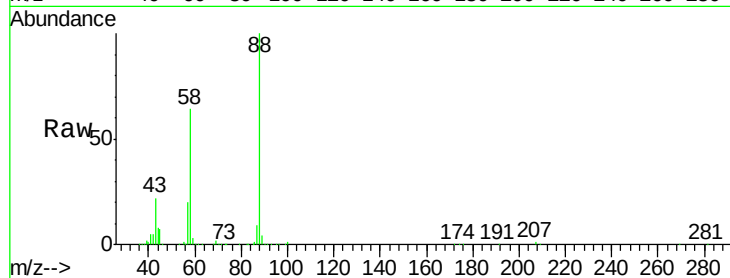
#49
1,4-Dioxane
Concen: 887.937 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	25.3	37.9
58	70.0	55.9	83.9

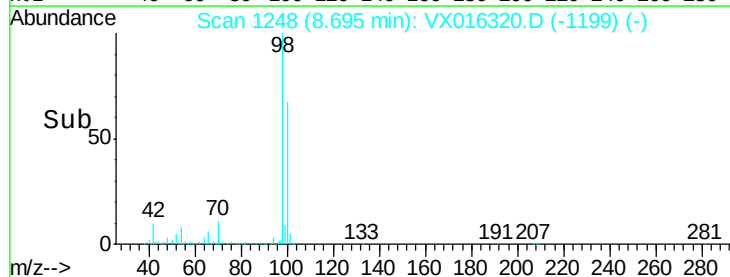
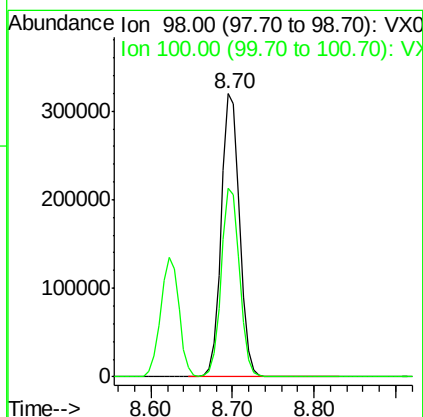
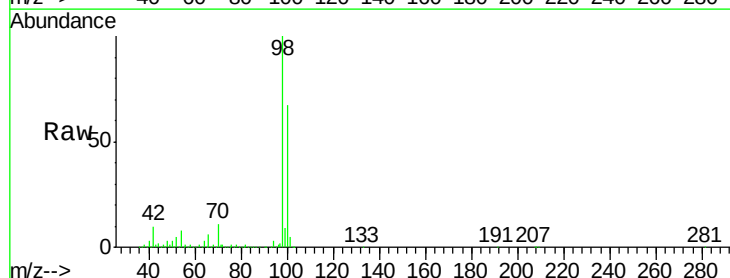
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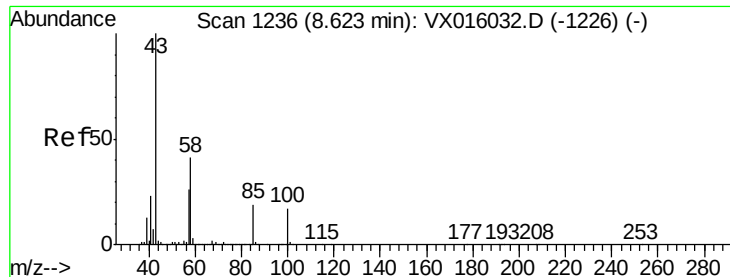
MMDadoda
5/19/2020 2:27:36 PM



#50
Toluene-d8
Concen: 48.669 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 246.154 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1148597

Ion Ratio Lower Upper

43 100

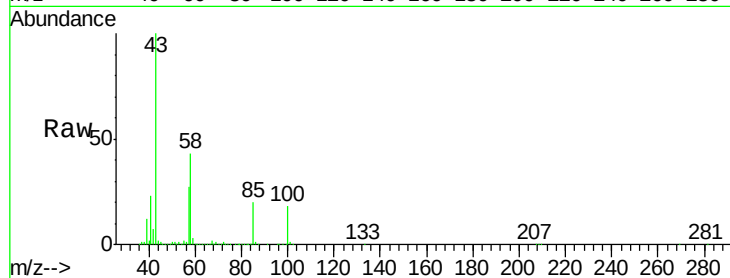
58 43.3 33.0 49.4

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

800000

600000

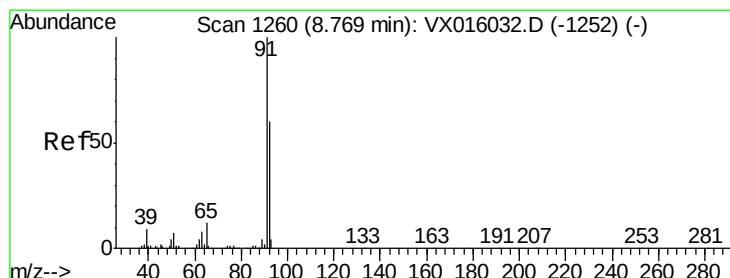
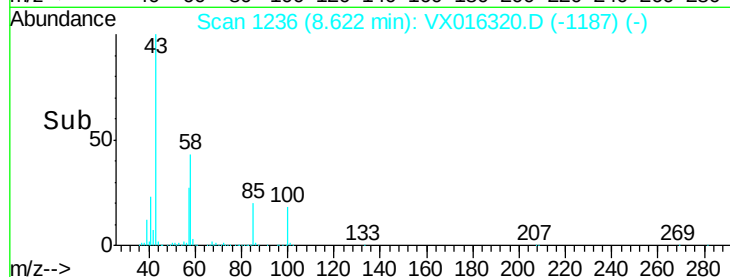
400000

200000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 51.478 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016320.D

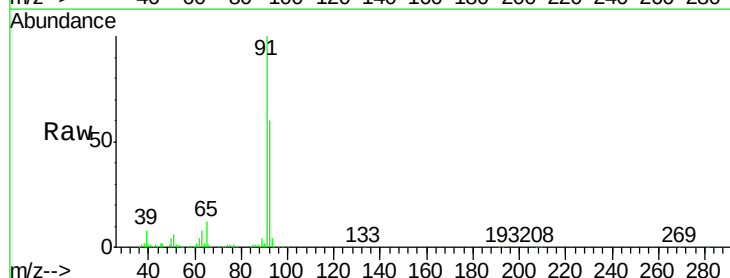
Acq: 18 May 2020 23:44

Tgt Ion: 92 Resp: 387118

Ion Ratio Lower Upper

92 100

91 166.6 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.77

500000

400000

300000

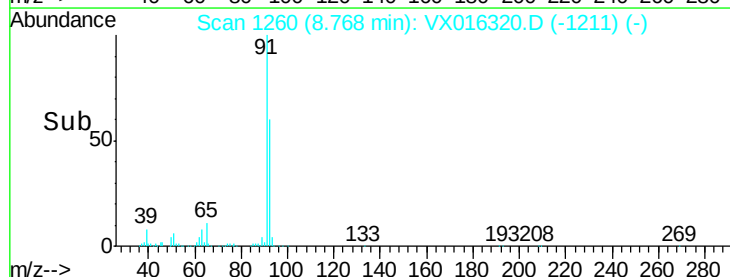
200000

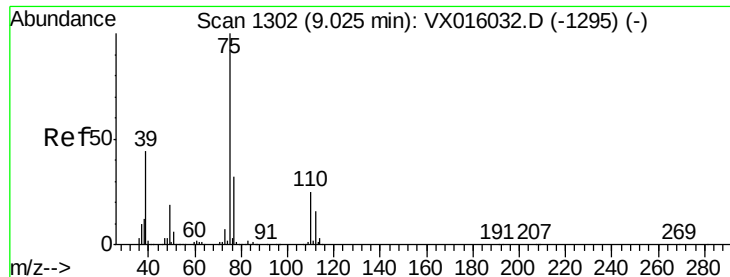
100000

0

8.70 8.80 8.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.501 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 244337

Ion Ratio Lower Upper

75 100

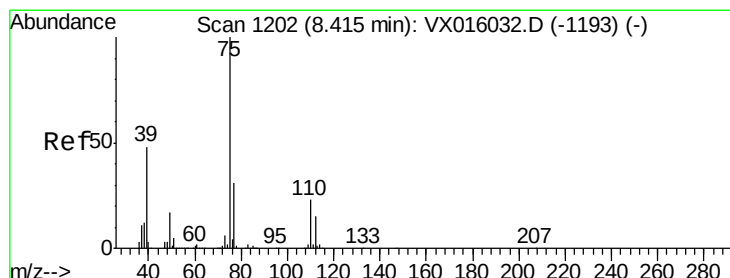
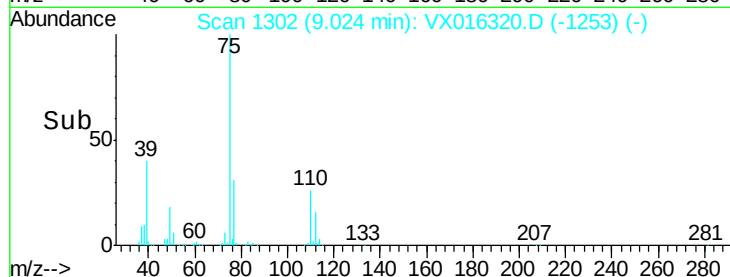
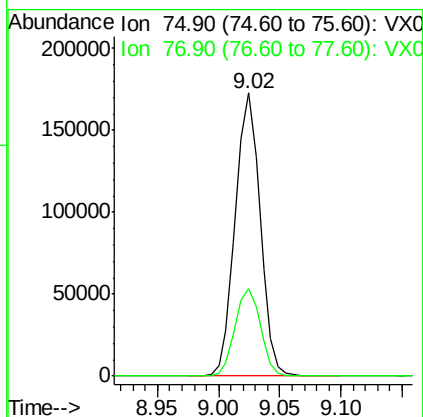
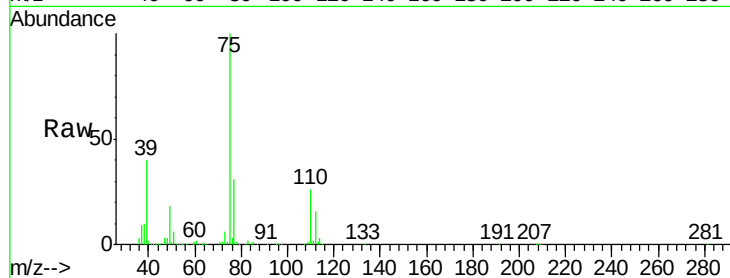
77 30.8 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 49.236 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

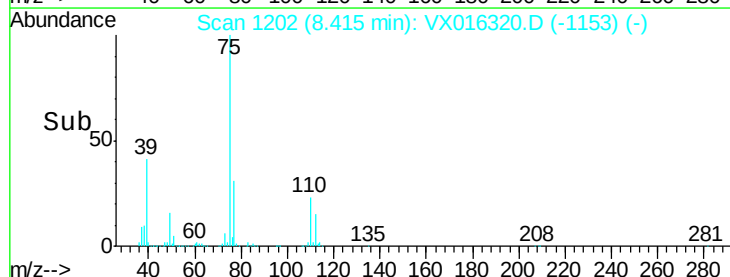
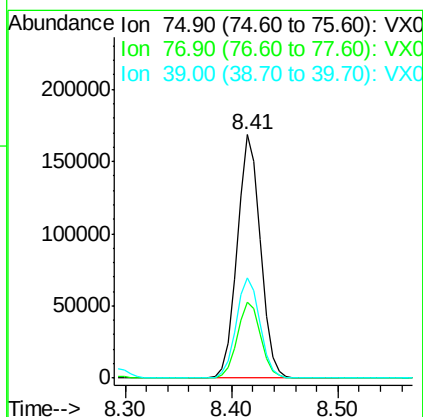
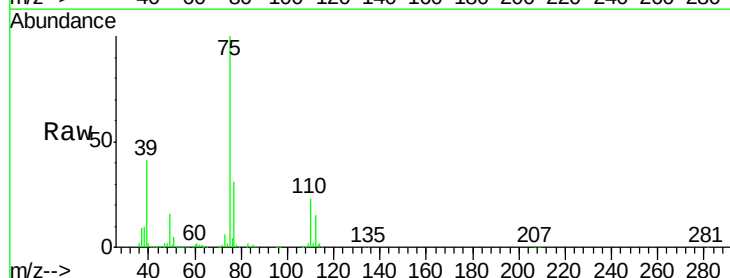
Tgt Ion: 75 Resp: 259079

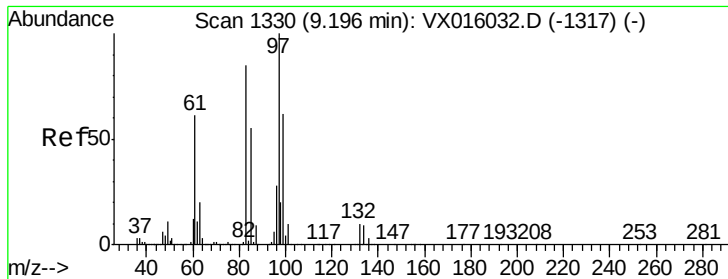
Ion Ratio Lower Upper

75 100

77 31.3 24.7 37.1

39 41.1 38.7 58.1





#55

1,1,2-Trichloroethane

Concen: 52.774 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

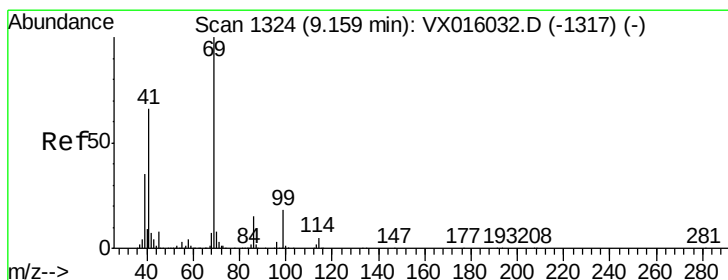
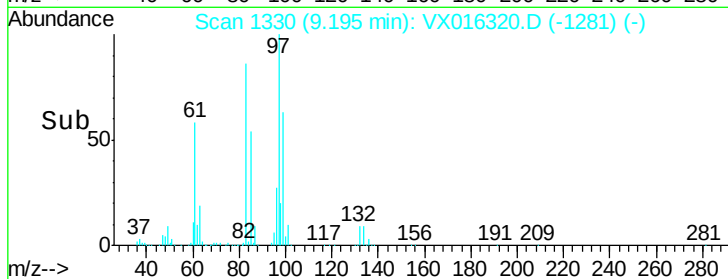
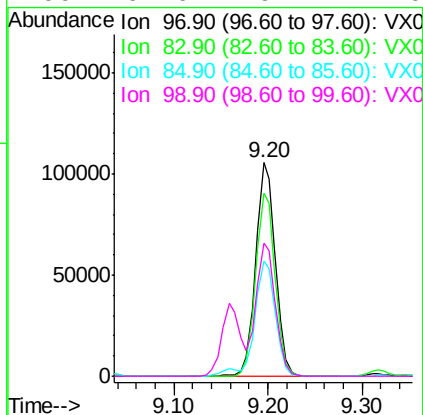
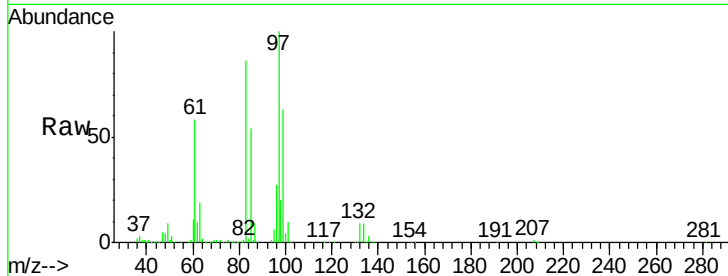
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	156141
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.8	101.8
85	53.8	43.8	65.8
99	62.6	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.406 ug/l

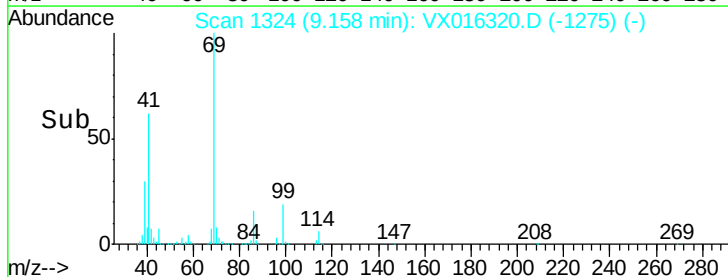
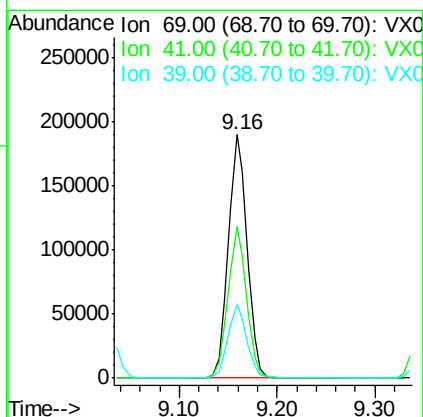
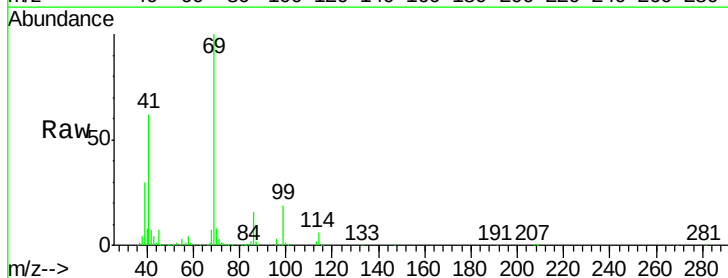
RT: 9.16 min Scan# 1324

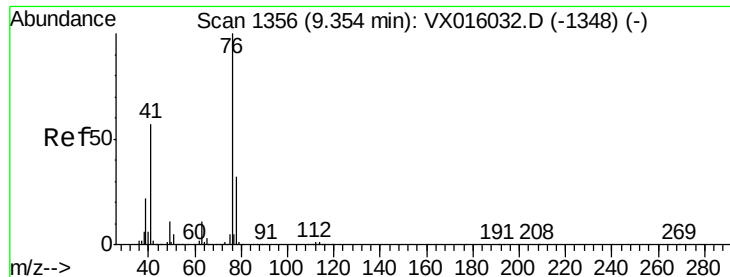
Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Tgt Ion:	69	Resp:	253094
Ion	Ratio	Lower	Upper
69	100		
41	61.3	52.2	78.4
39	30.1	28.2	42.4





#57

1,3-Dichloropropane

Concen: 51.556 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 266163

Ion Ratio Lower Upper

76 100

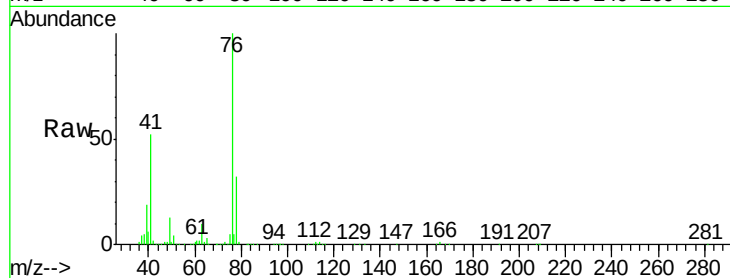
78 32.3 25.9 38.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

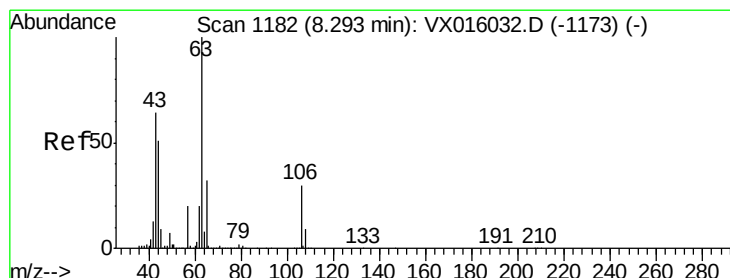
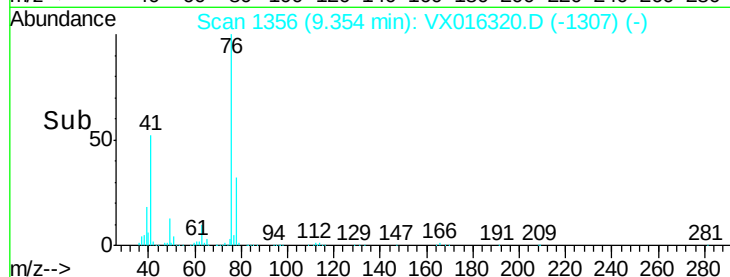
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 236.789 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016320.D

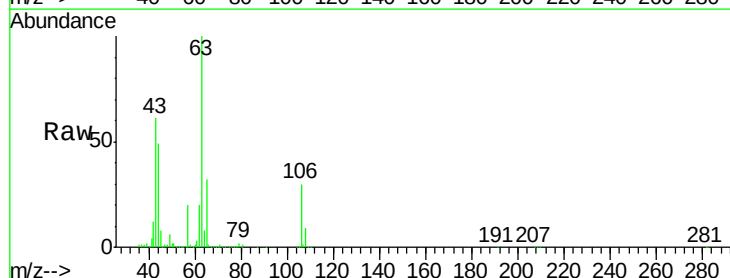
Acq: 18 May 2020 23:44

Tgt Ion: 63 Resp: 608811

Ion Ratio Lower Upper

63 100

106 30.1 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

400000

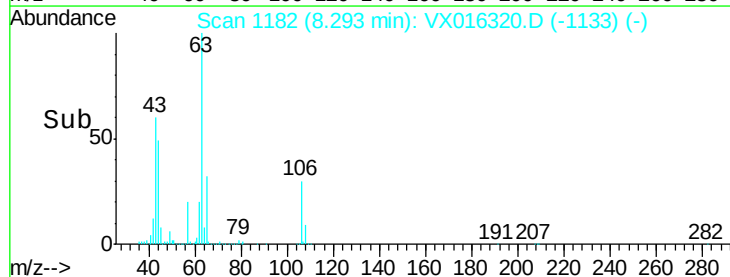
300000

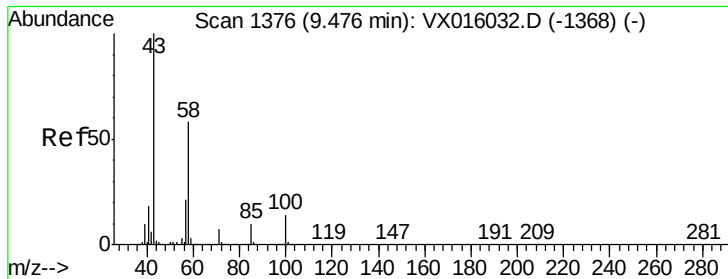
200000

100000

0

Time-->





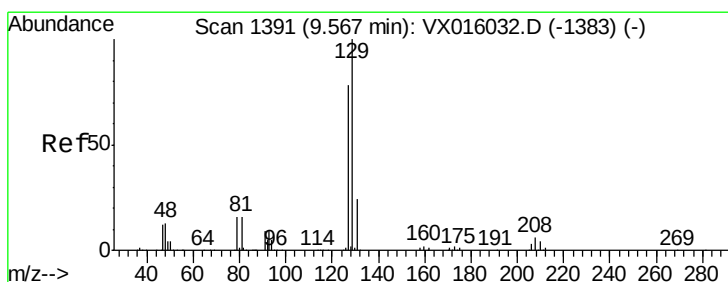
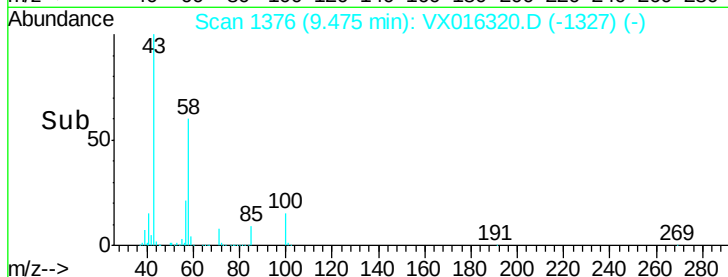
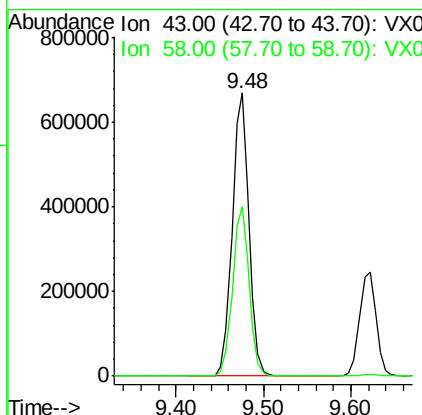
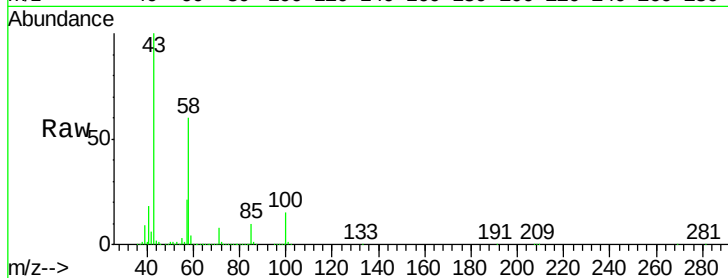
#59
2-Hexanone
Concen: 244.035 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.0	28.6	85.9

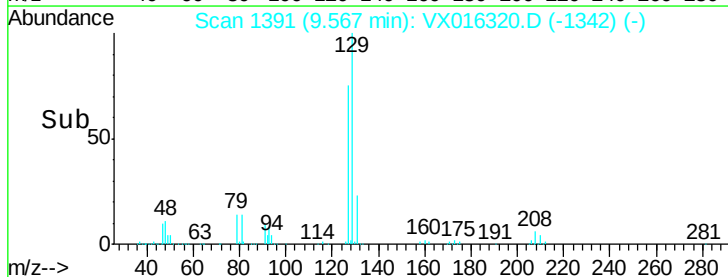
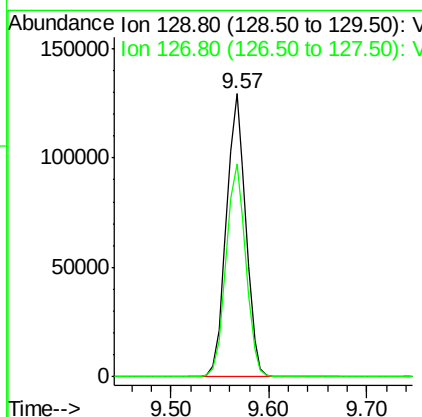
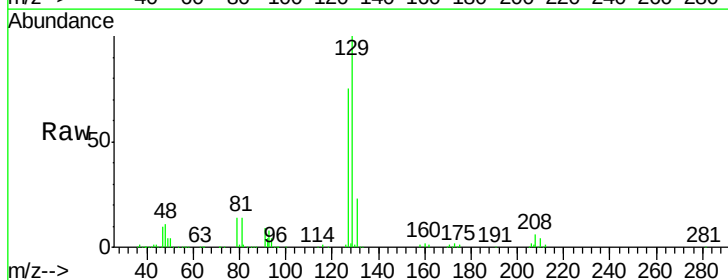
Manual Integrations
APPROVED

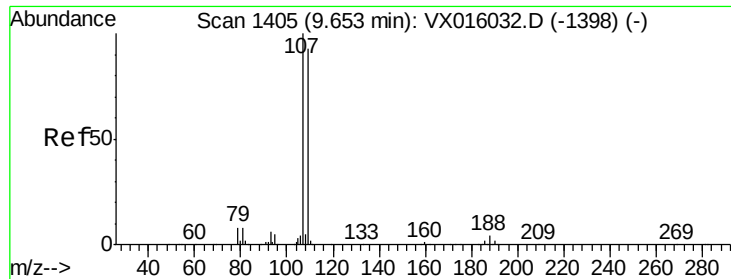
MMDadoda
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#60
Dibromochloromethane
Concen: 54.878 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.4	115.2





#61

1,2-Dibromoethane

Concen: 51.512 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 165084

Ion Ratio Lower Upper

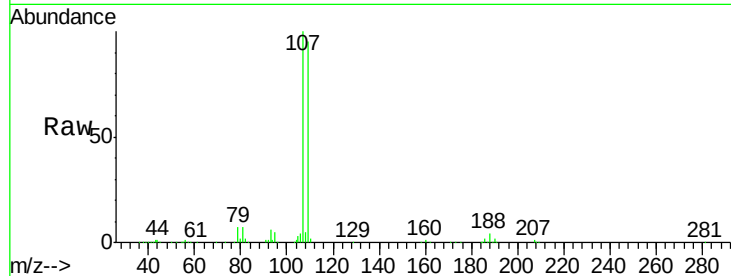
107 100

109 94.8 74.9 112.3

Manual Integrations
APPROVED

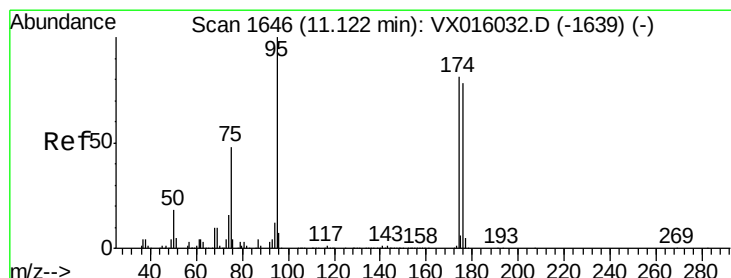
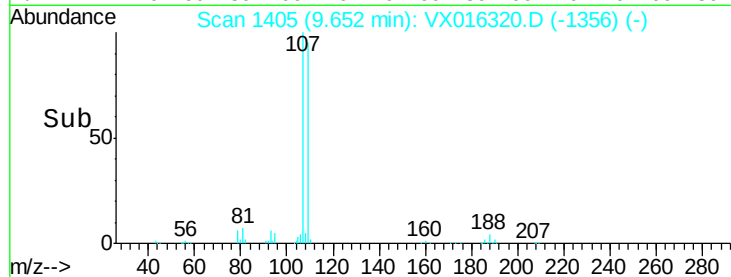
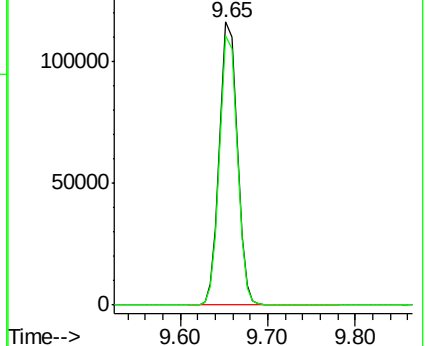
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.211 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

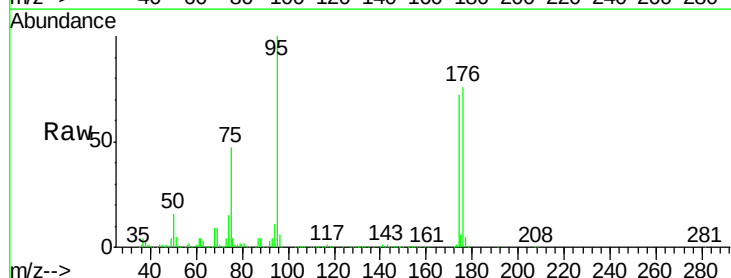
Tgt Ion: 95 Resp: 199172

Ion Ratio Lower Upper

95 100

174 78.0 0.0 159.4

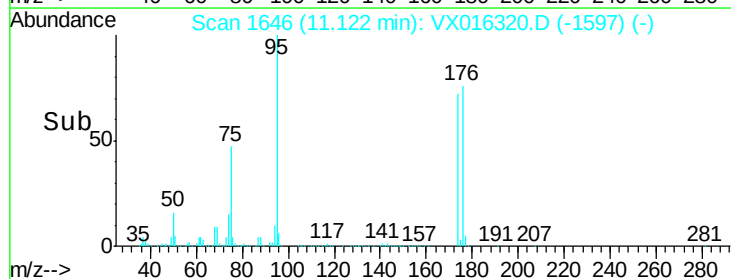
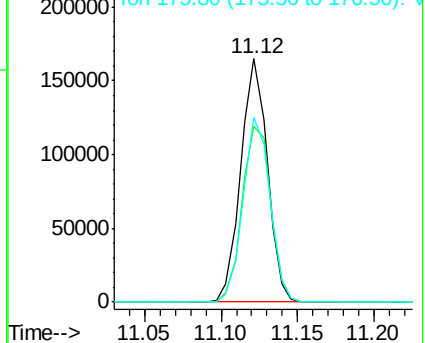
176 77.2 0.0 157.6

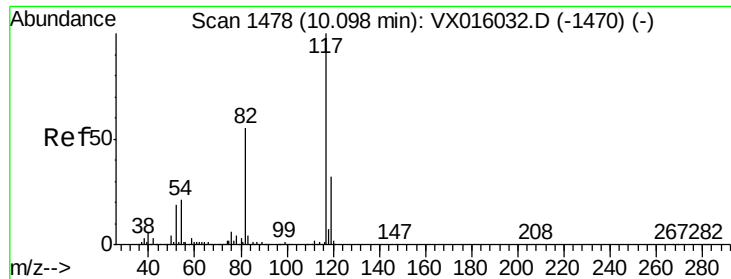


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





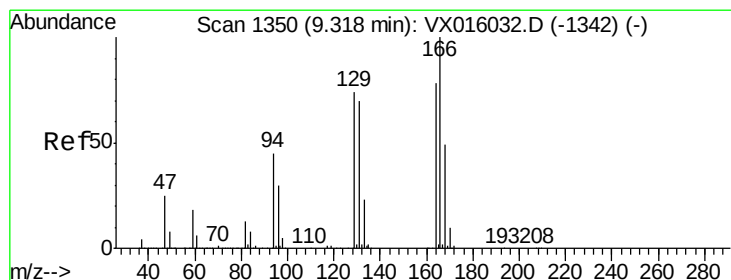
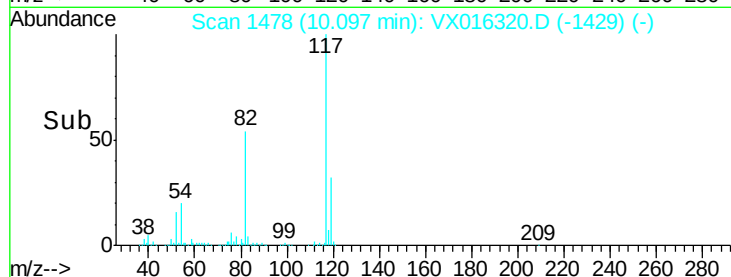
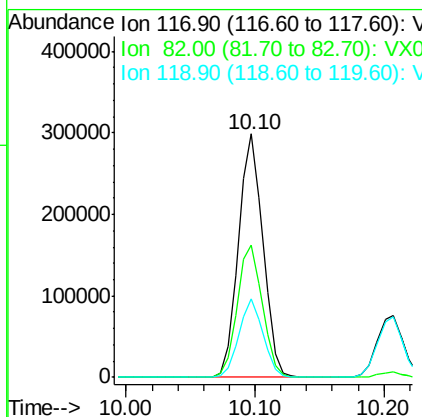
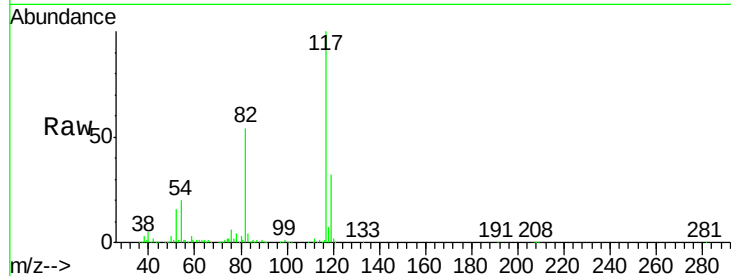
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	393800		
82	54.2		44.4	66.6
119	32.2		25.5	38.3

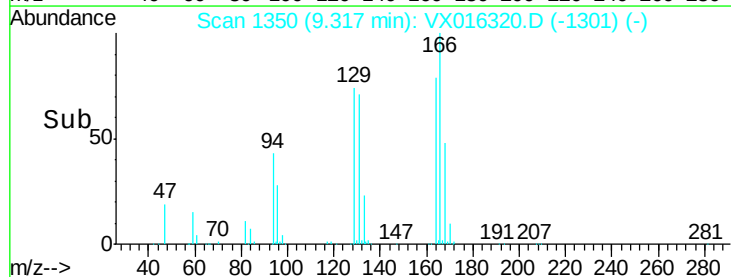
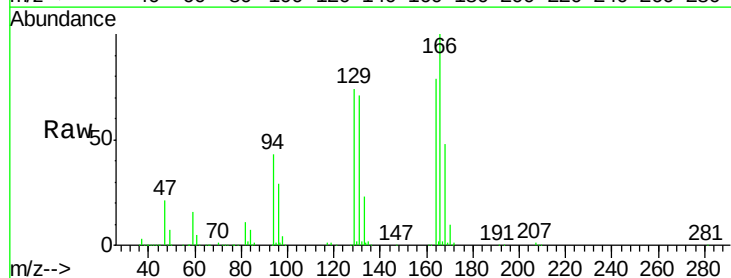
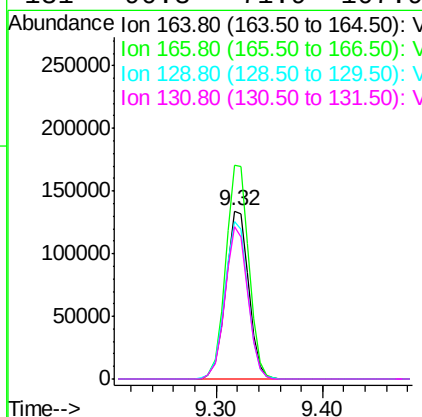
Manual Integrations
APPROVED

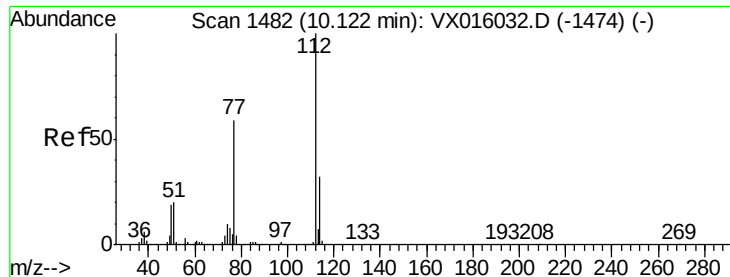
MMDadoda
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#64
Tetrachloroethene
Concen: 41.746 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	201816		
166	127.0		102.9	154.3
129	93.5		76.1	114.1
131	90.3		71.9	107.9





#65

Chlorobenzene

Concen: 52.152 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 430035

Ion Ratio Lower Upper

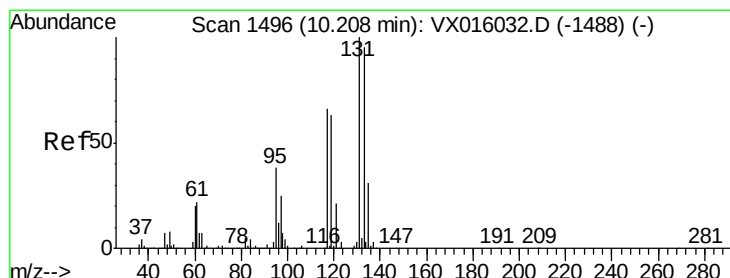
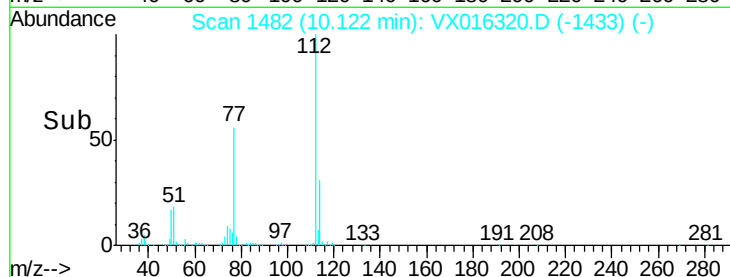
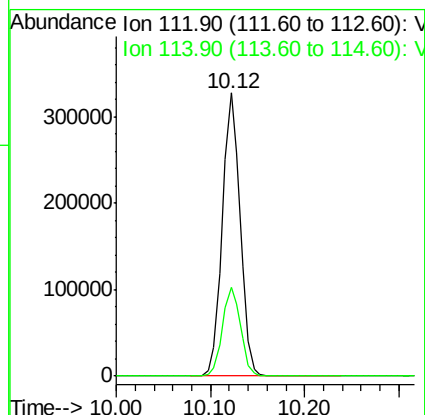
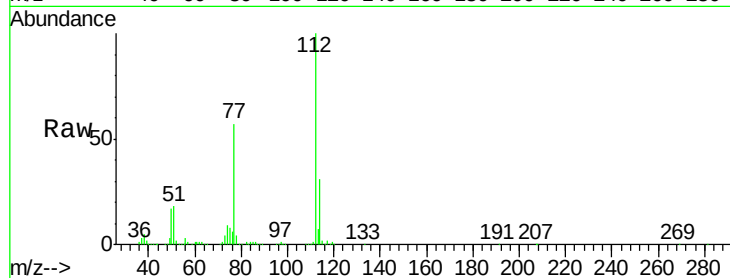
112 100

114 31.4 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 52.417 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

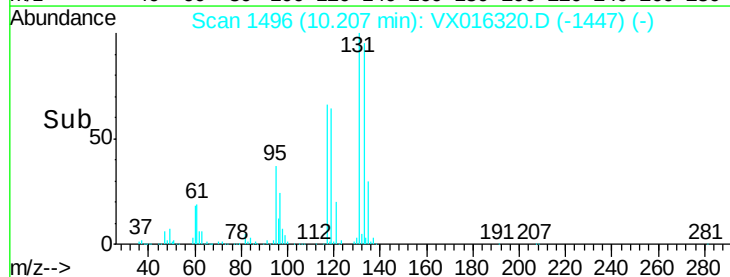
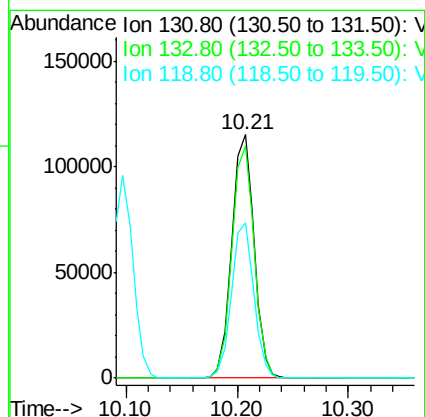
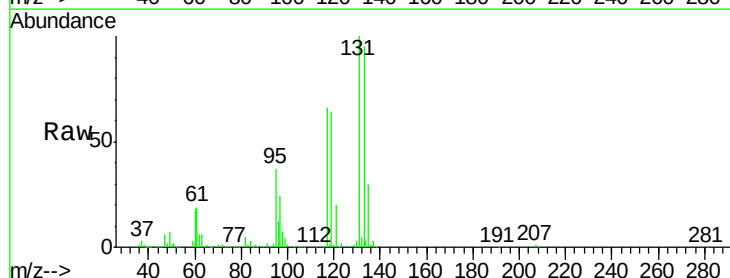
Tgt Ion:131 Resp: 159753

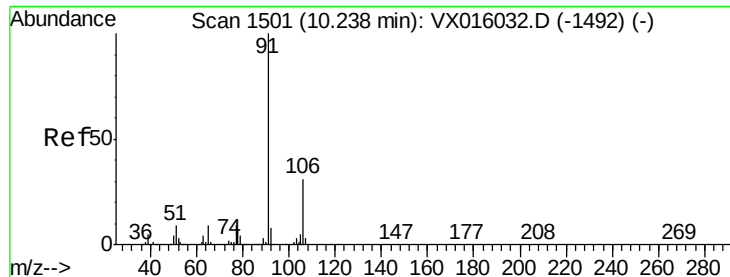
Ion Ratio Lower Upper

131 100

133 95.6 48.3 144.8

119 63.9 32.3 96.9





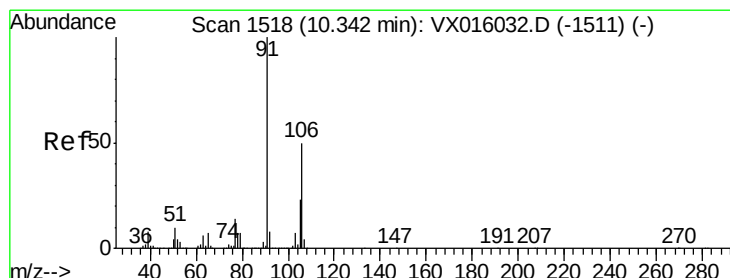
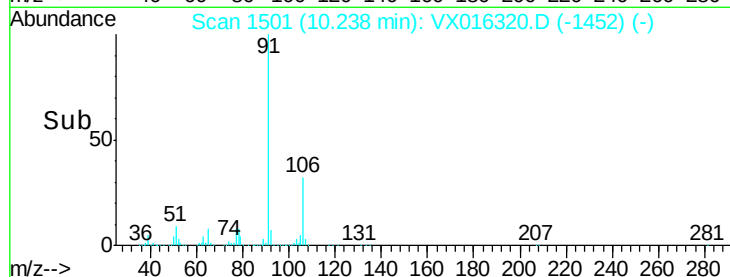
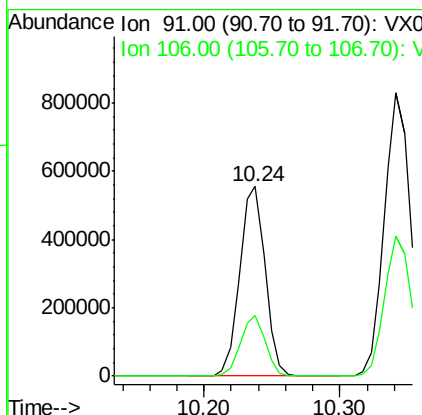
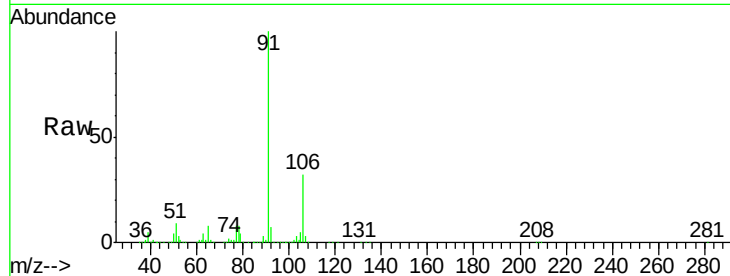
#67
Ethyl Benzene
Concen: 49.039 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 721484
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7

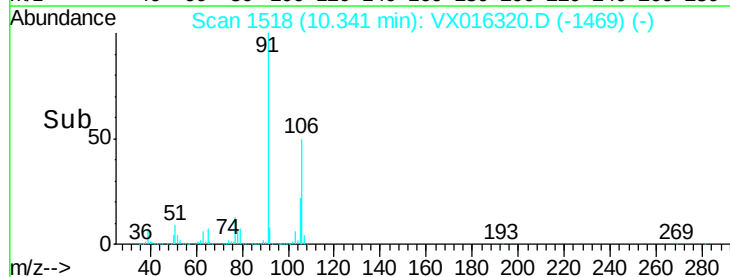
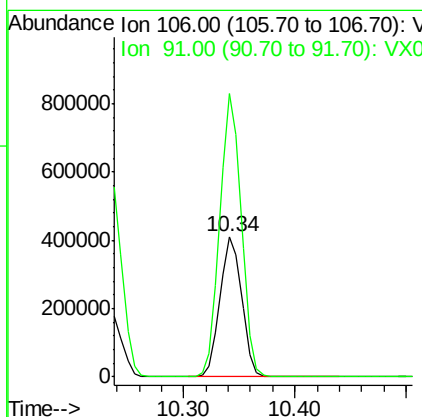
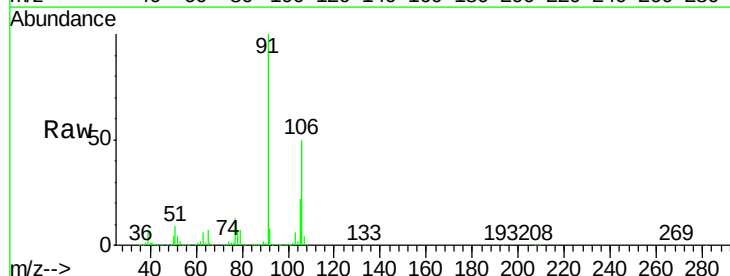
Manual Integrations
APPROVED

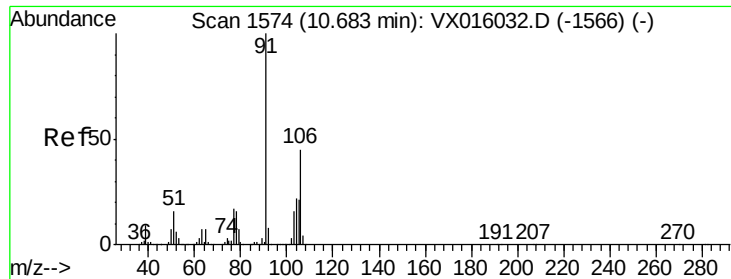
MMDadoda
5/19/2020 2:27:36 PM



#68
m/p-Xylenes
Concen: 100.741 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion: 106 Resp: 555307
Ion Ratio Lower Upper
106 100
91 199.8 161.7 242.5





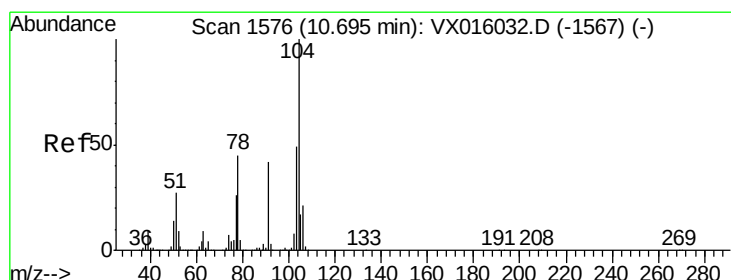
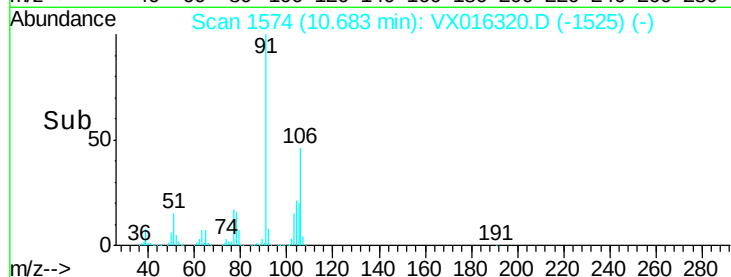
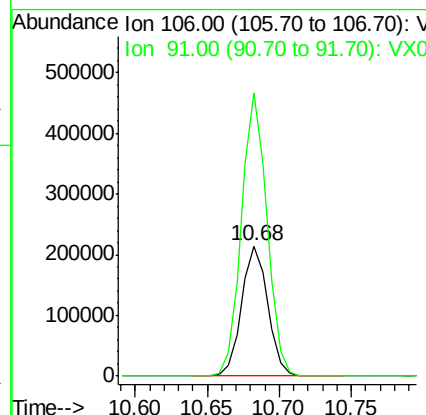
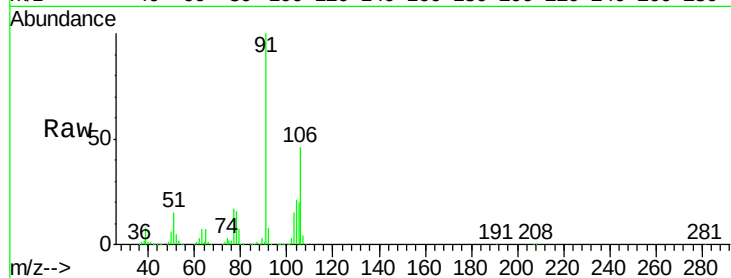
#69
o-Xylene
Concen: 51.062 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	270555		
91	91	212.9	107.5	322.6	

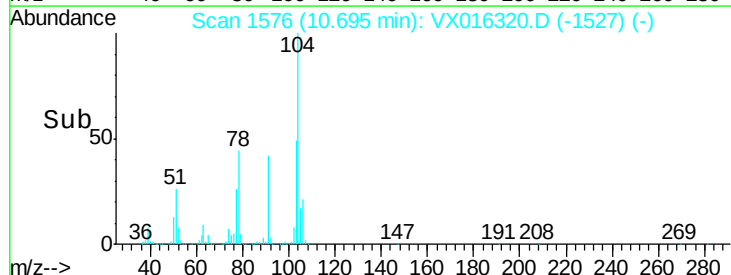
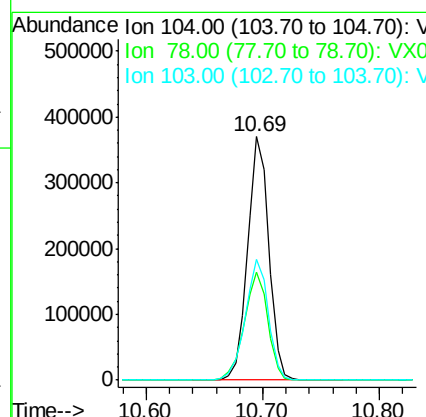
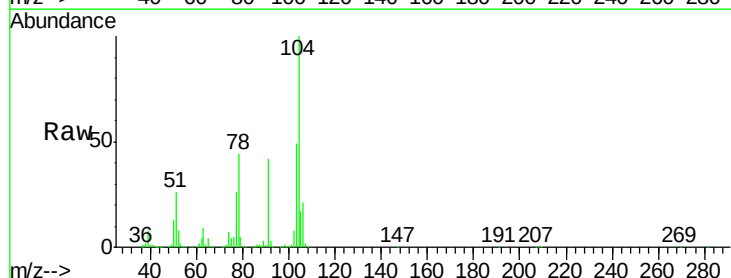
Manual Integrations
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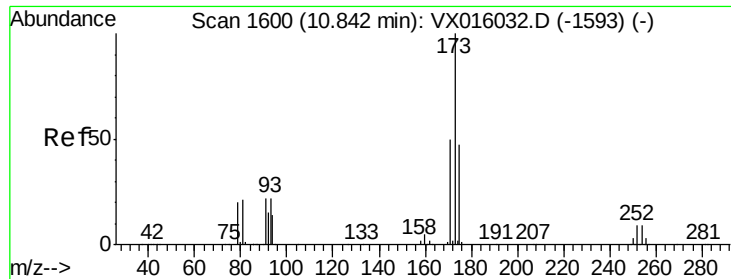
MMDadoda
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#70
Styrene
Concen: 52.492 ug/l
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	471850		
78	78	49.1	40.2	60.2	
103	103	53.7	43.0	64.6	





#71

Bromoform

Concen: 54.779 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

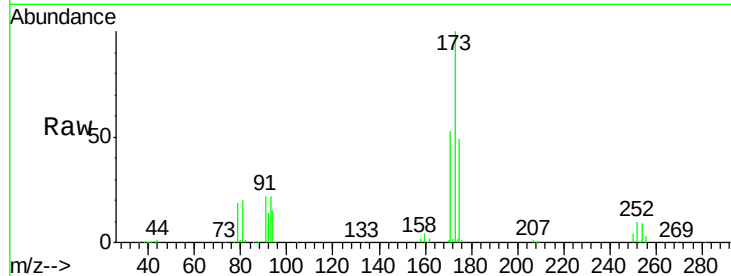
ClientSampleId :

VSTDCCC050EC

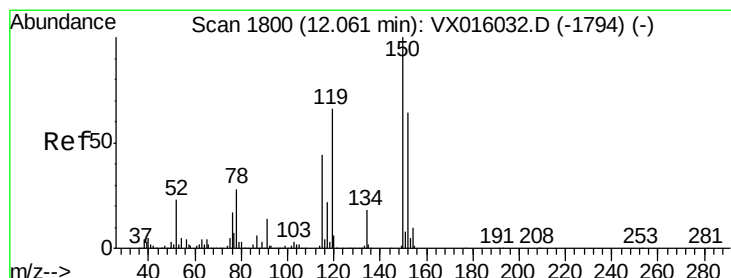
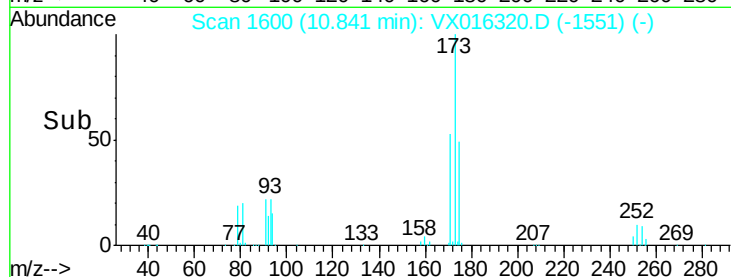
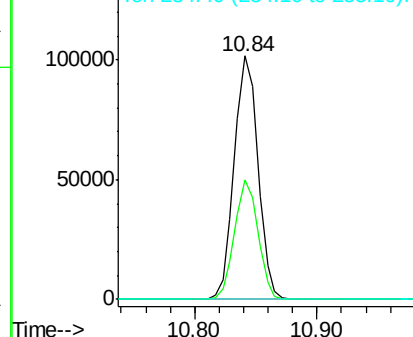
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.0	72.0
254	0.2	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

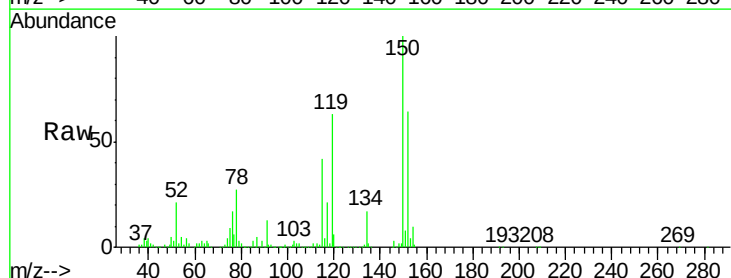
RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

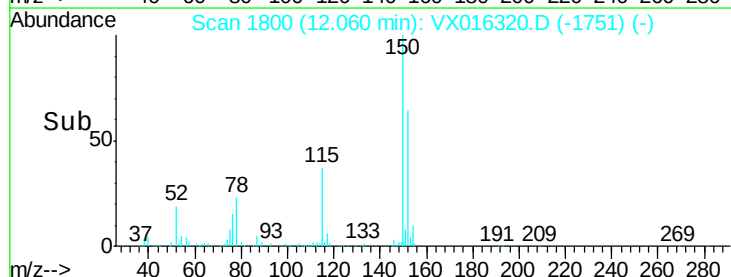
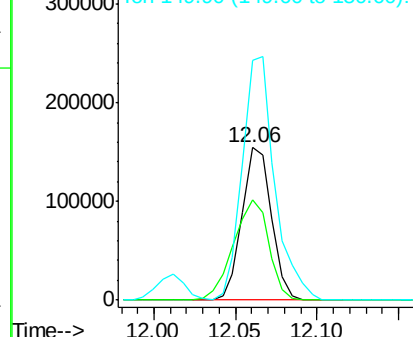
Lab File: VX016320.D

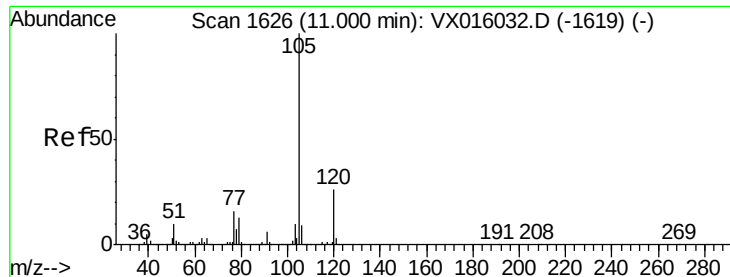
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.7	41.3	124.1
150	175.4	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: 48.863 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 692802

Ion Ratio Lower Upper

105 100

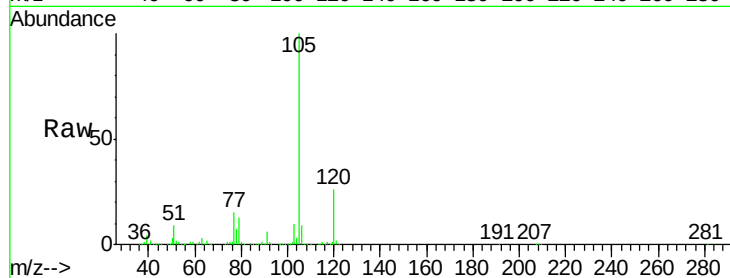
120 26.6 13.4 40.2

Manual Integrations

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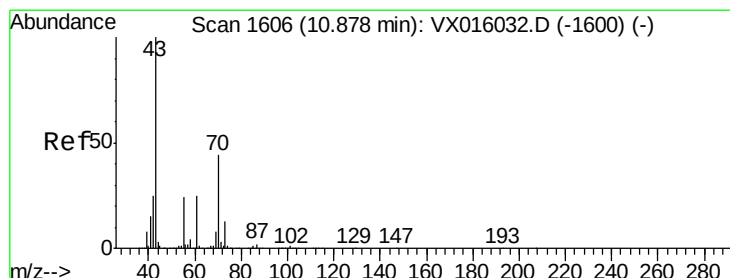
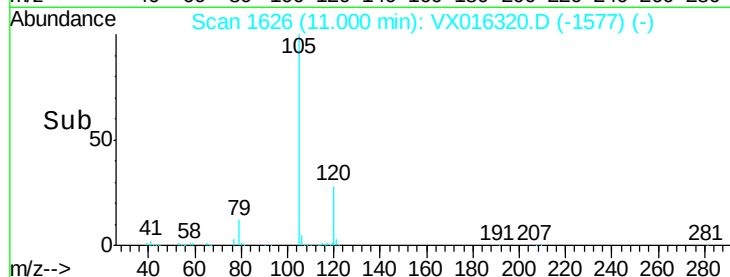
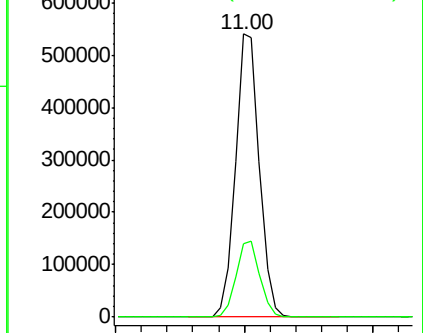
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.429 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Tgt Ion: 43 Resp: 320283

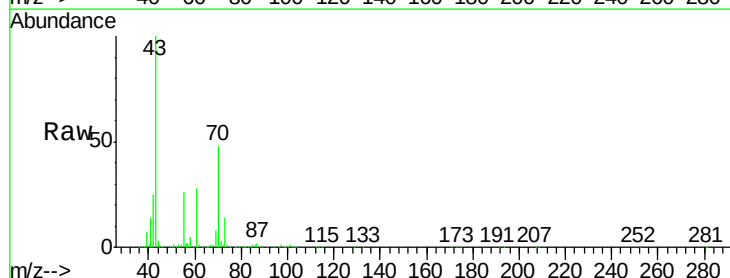
Ion Ratio Lower Upper

43 100

70 47.6 36.5 54.7

55 25.7 19.7 29.5

61 27.0 20.9 31.3

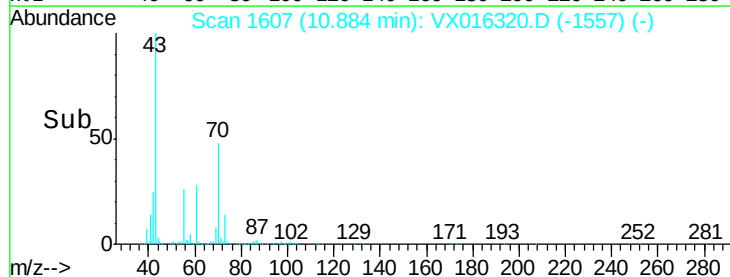
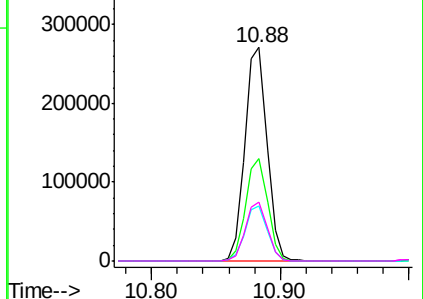


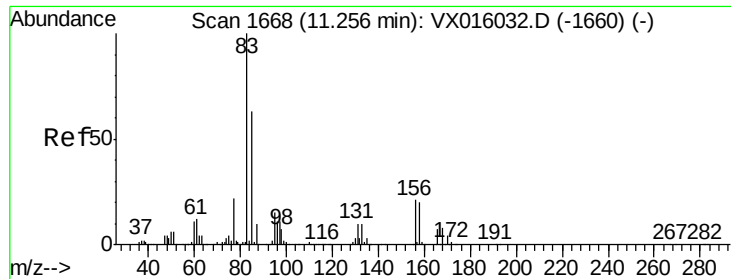
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 67.873 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

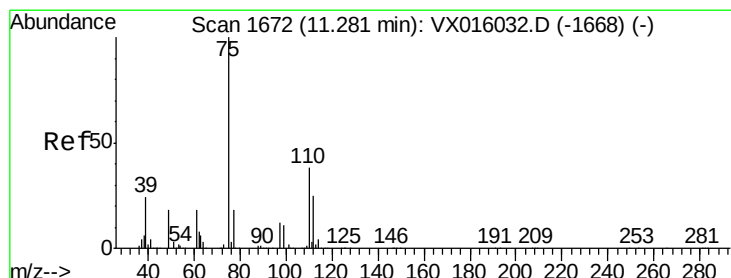
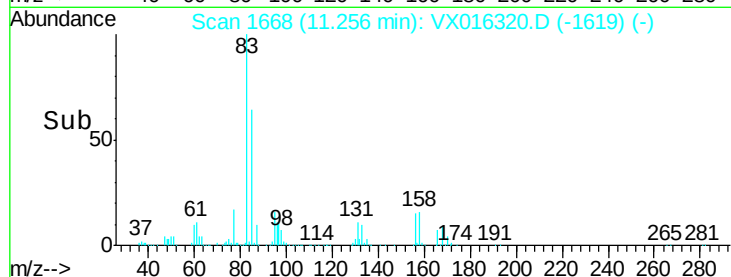
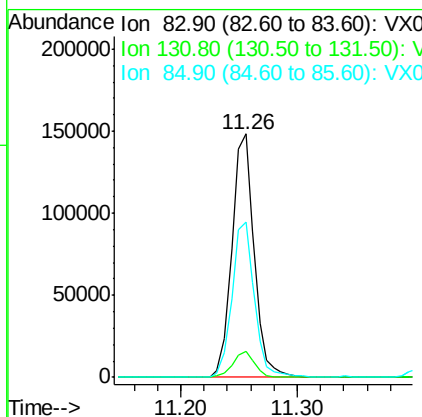
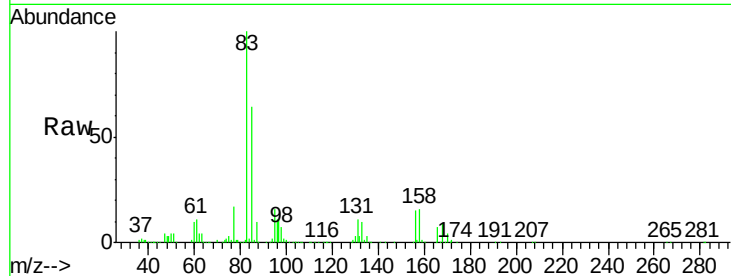
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	197466
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	64.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.838 ug/l m

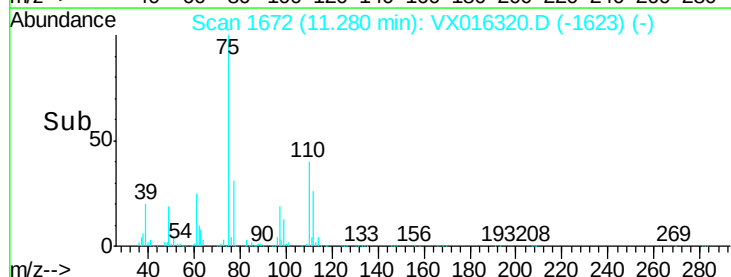
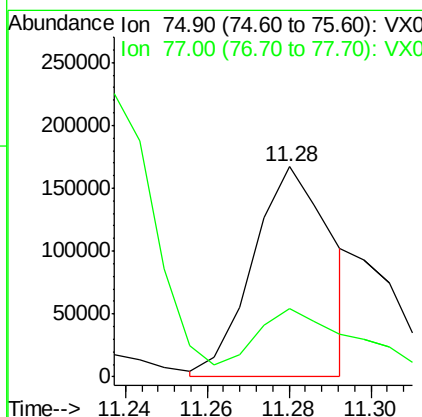
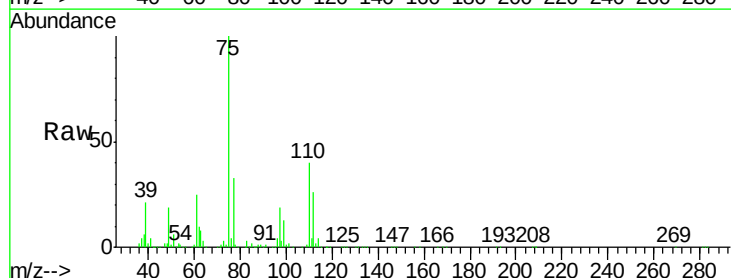
RT: 11.28 min Scan# 1672

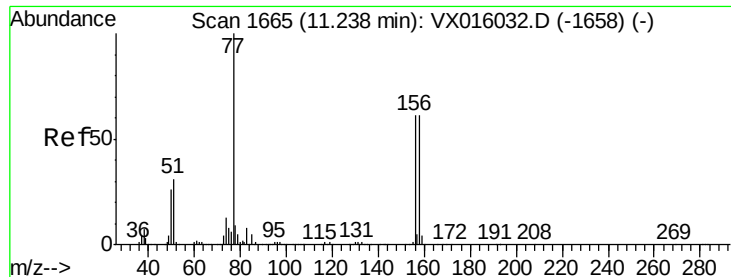
Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Tgt Ion:	75	Resp:	220457
Ion Ratio	Lower	Upper	
75	100		
77	43.2	21.2	63.6





#77

Bromobenzene

Concen: 49.962 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

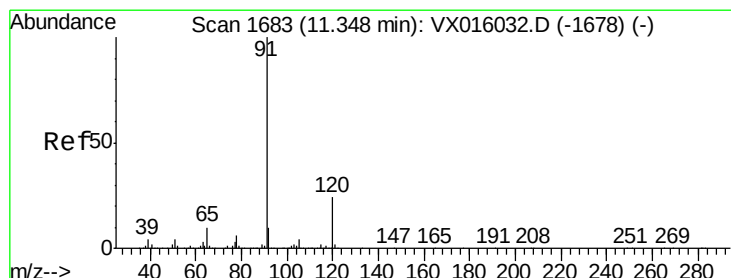
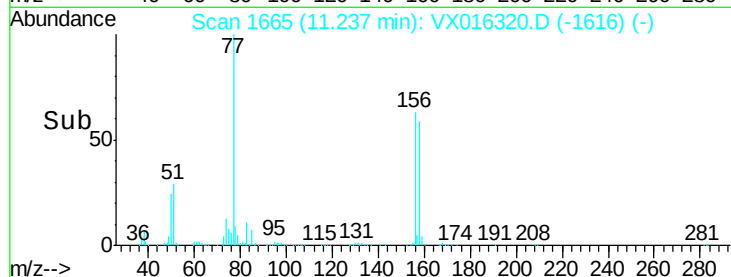
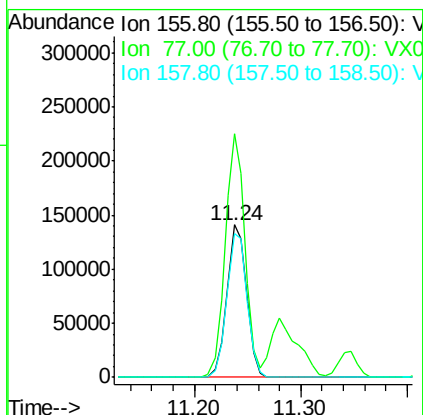
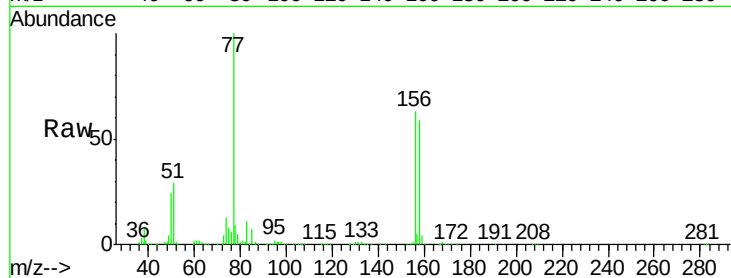
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	182846
Ion Ratio	Lower	Upper	
156	100		
77	158.6	80.1	240.3
158	97.2	49.4	148.2

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#78

n-propylbenzene

Concen: 46.527 ug/l

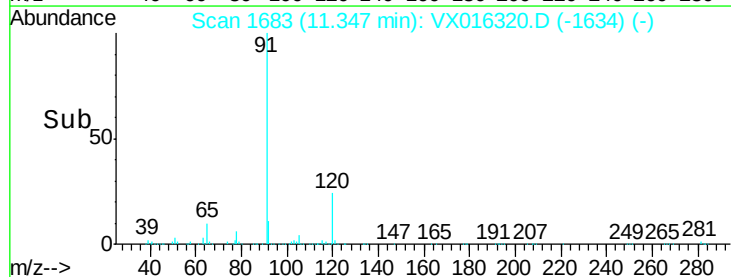
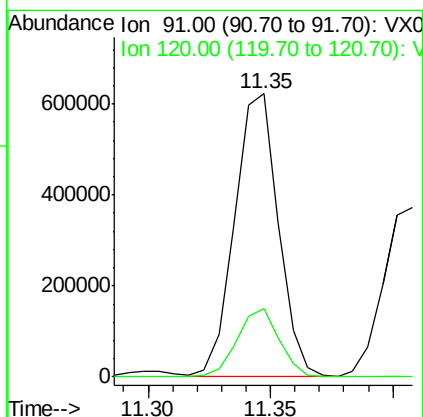
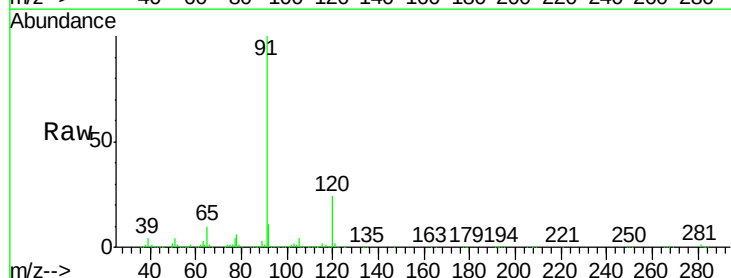
RT: 11.35 min Scan# 1683

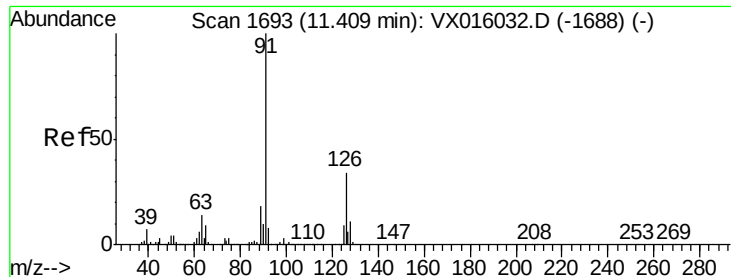
Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Tgt Ion:	91	Resp:	767426
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





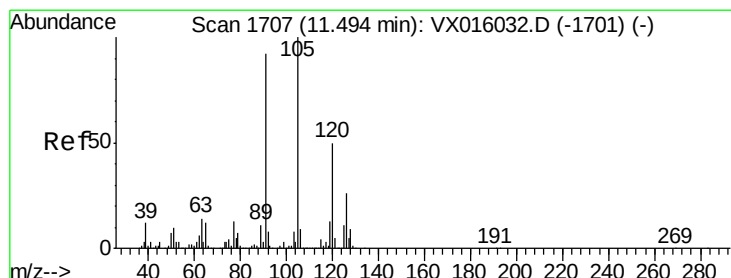
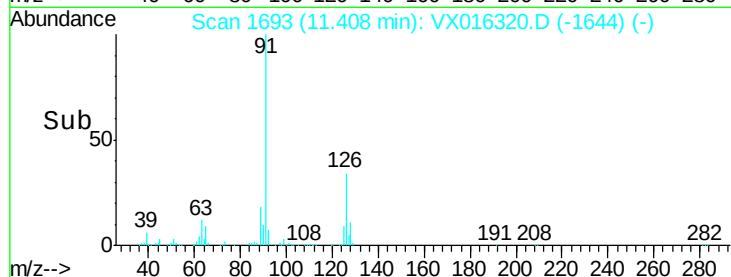
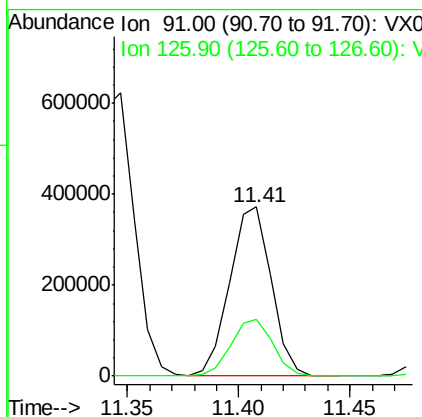
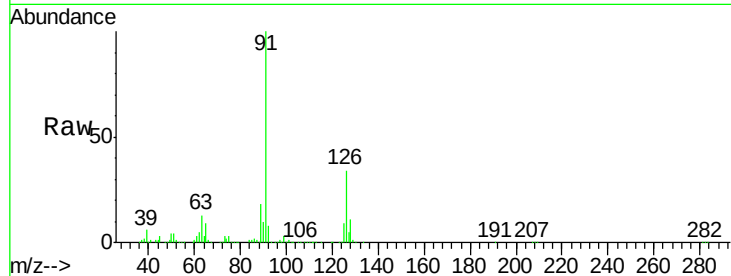
#79
 2-Chlorotoluene
 Concen: 49.291 ug/l
 RT: 11.41 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 479901
 Ion Ratio Lower Upper
 91 100
 126 33.9 16.9 50.6

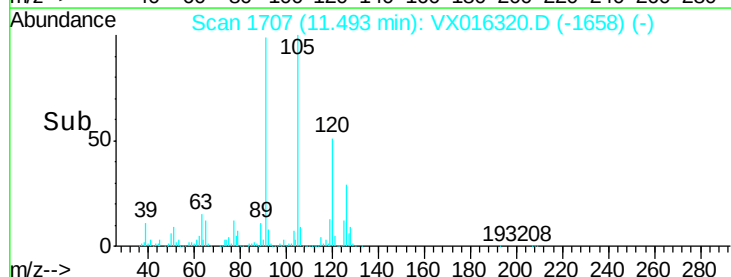
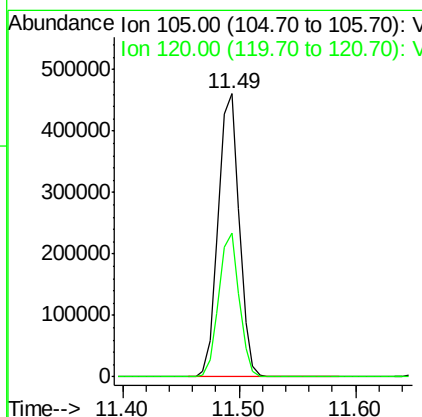
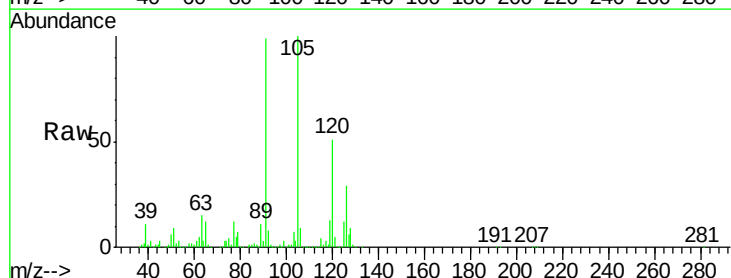
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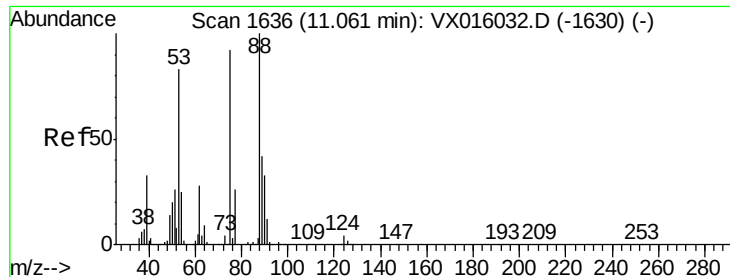
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.641 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion: 105 Resp: 570314
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 74.0





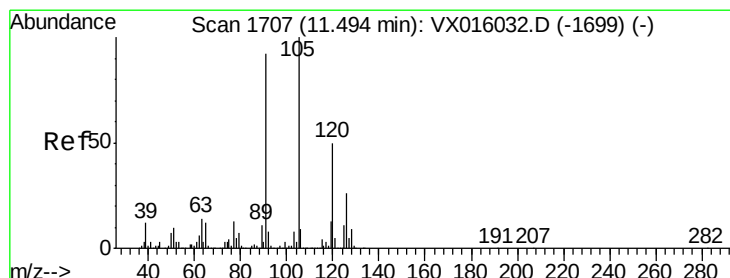
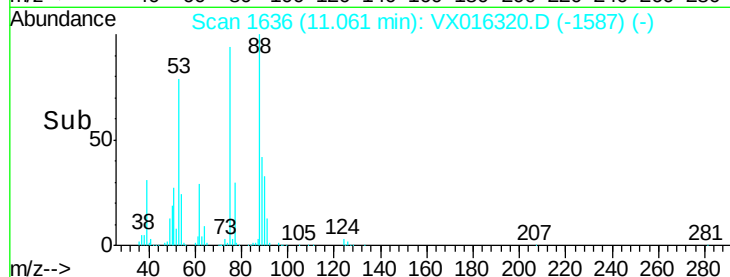
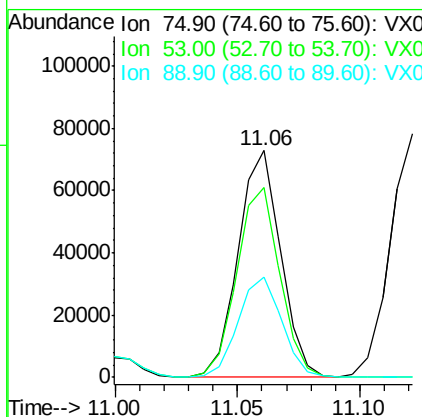
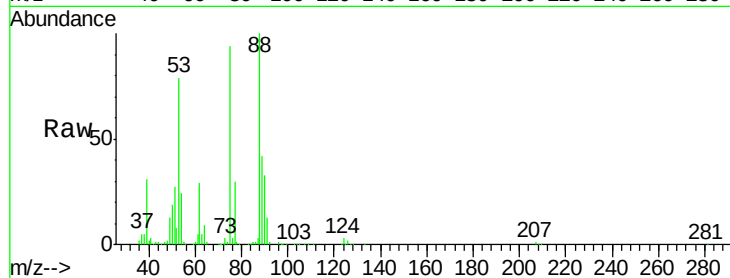
#81
trans-1,4-Dichloro-2-butene
Concen: 47.294 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.3	73.1	109.7
89	45.7	36.7	55.1

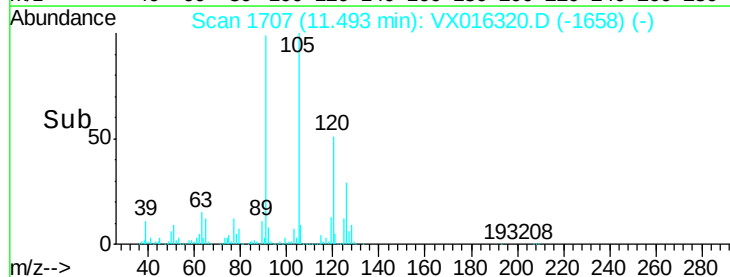
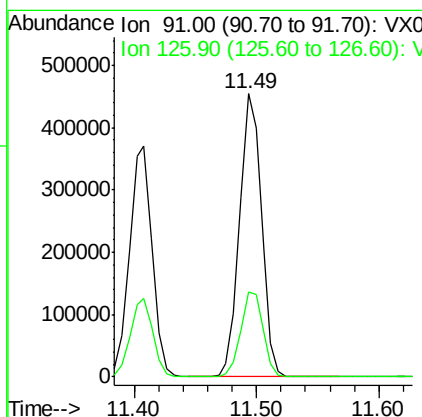
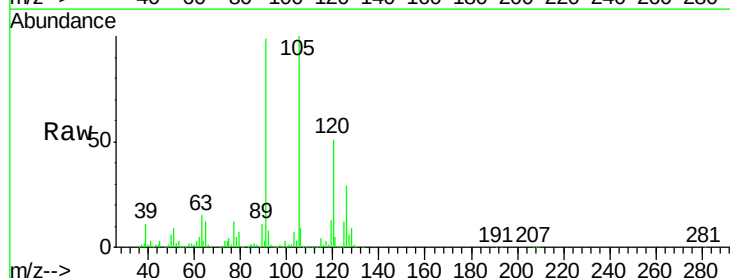
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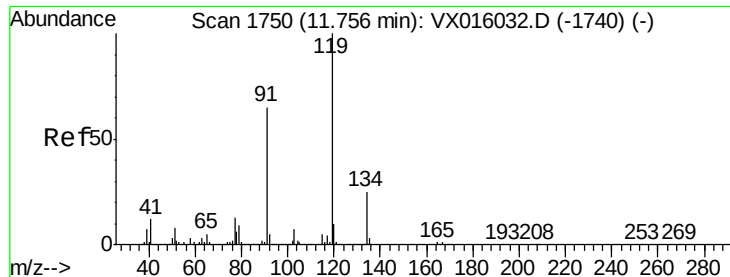
MMDadoda
5/19/2020 2:27:36 PM



#82
4-Chlorotoluene
Concen: 48.962 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.8	44.3





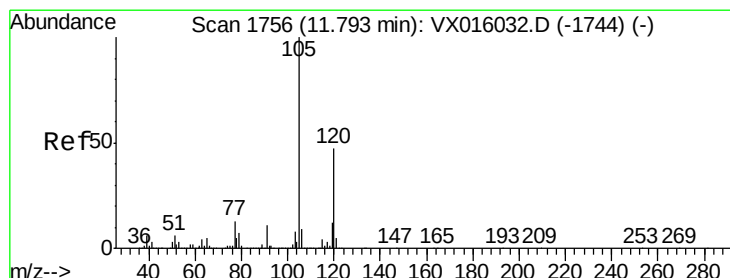
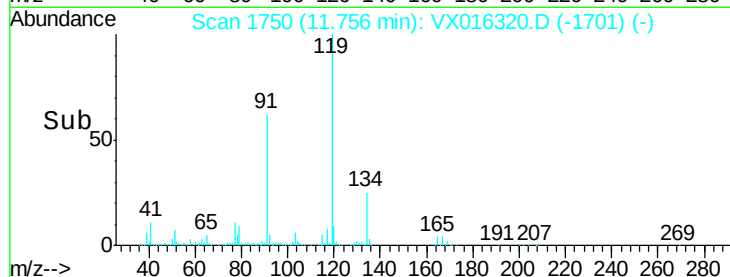
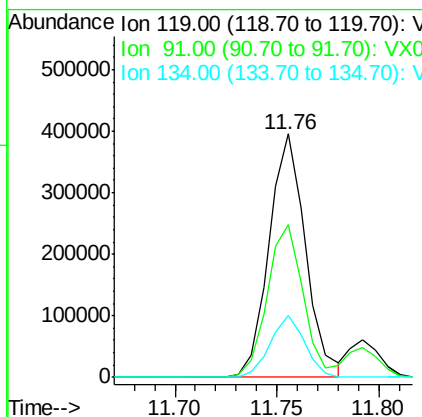
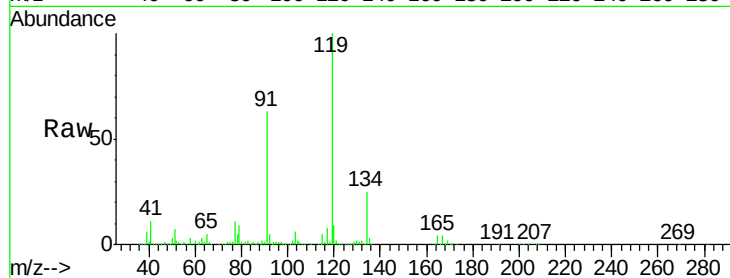
#83
 tert-Butylbenzene
 Concen: 47.724 ug/l
 RT: 11.76 min Scan# 1750
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	492355		
91	61.2	32.8	98.4	
134	24.1	12.4	37.0	

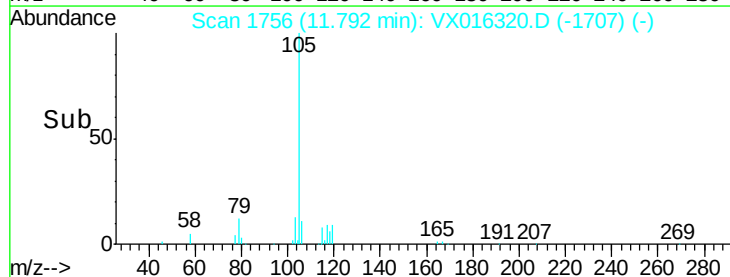
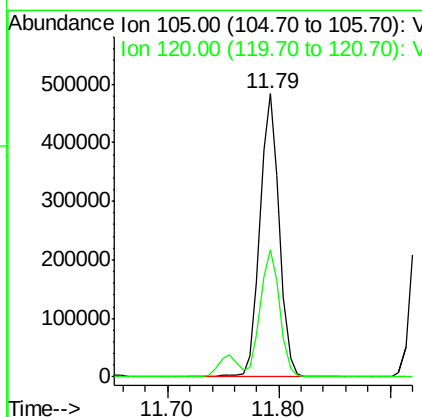
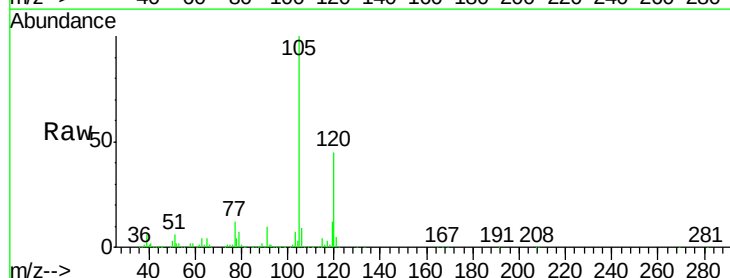
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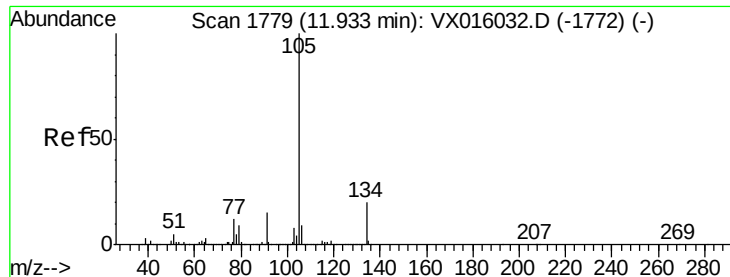
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.405 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	585838		
120	45.3	23.0	69.0	





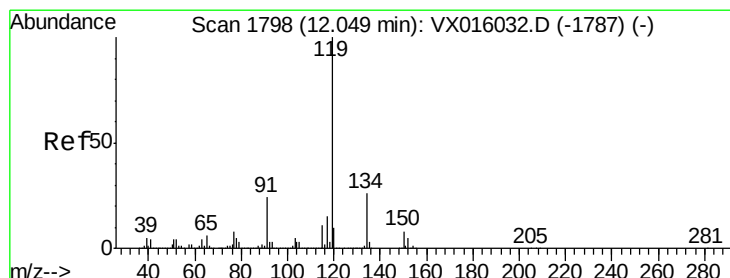
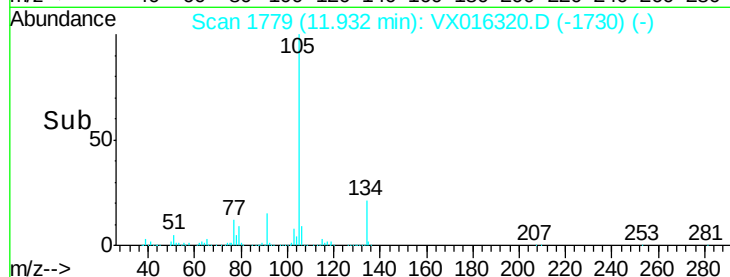
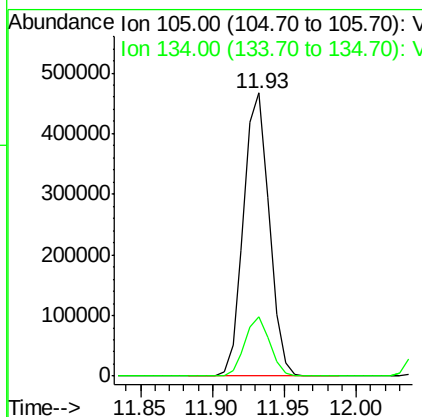
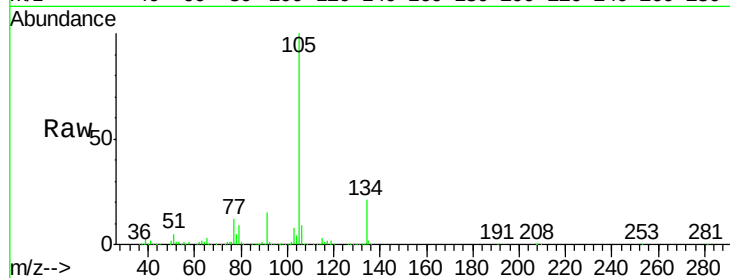
#85
 sec-Butylbenzene
 Concen: 41.359 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.1	30.3

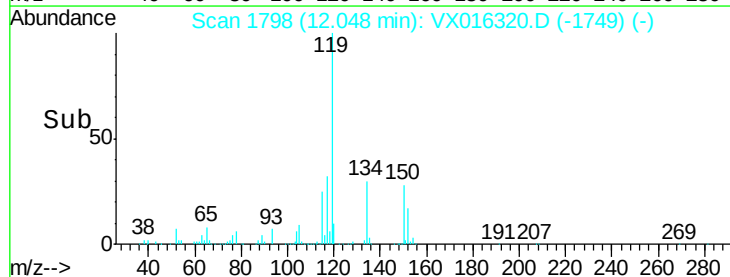
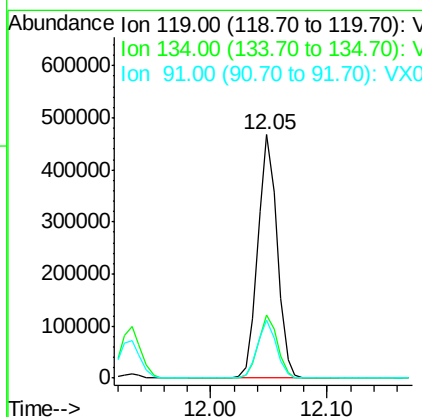
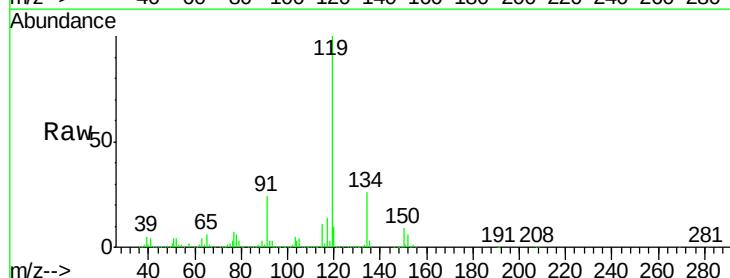
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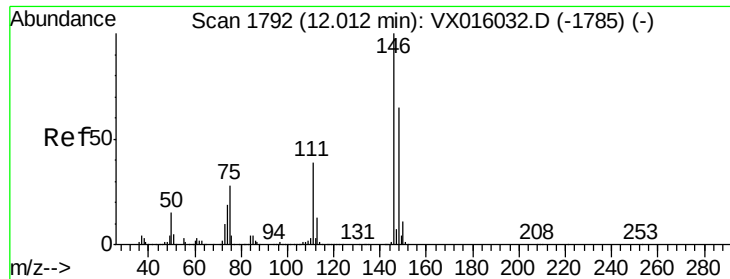
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#86
 p-Isopropyltoluene
 Concen: 41.873 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.1	39.3
91	23.5	11.8	35.4





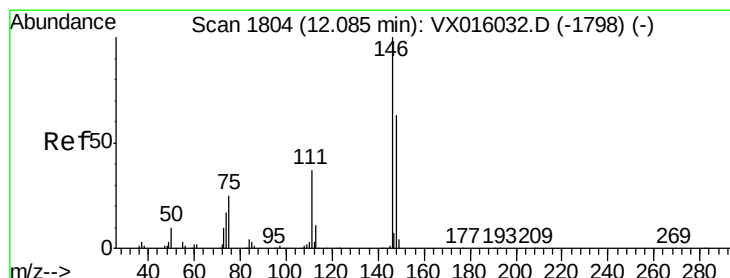
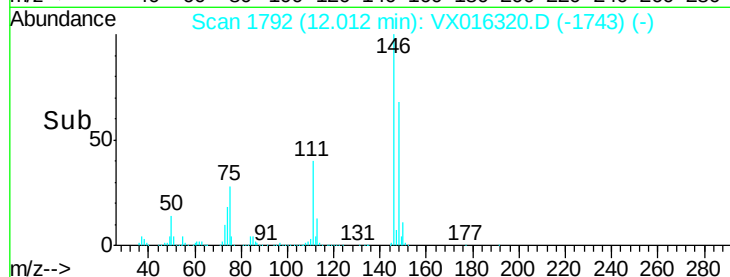
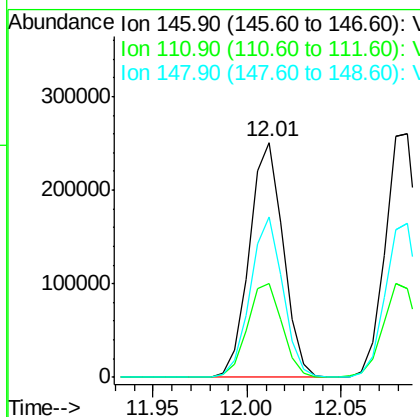
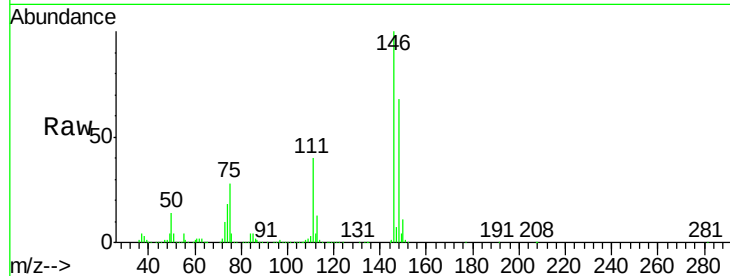
#87
 1,3-Dichlorobenzene
 Concen: 47.455 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.2	60.6
148	65.8	32.1	96.3

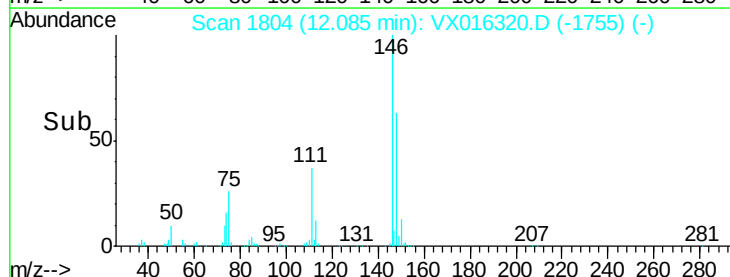
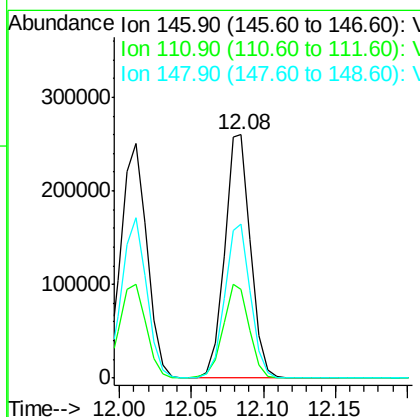
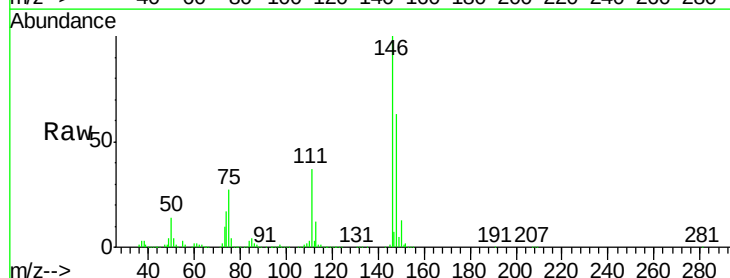
Manual Integrations
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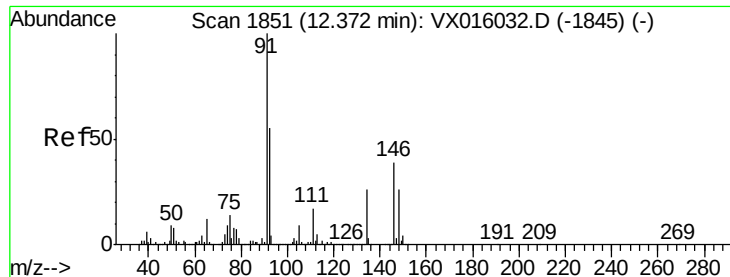
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#88
 1,4-Dichlorobenzene
 Concen: 49.172 ug/l
 RT: 12.08 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.7
148	63.1	31.8	95.3





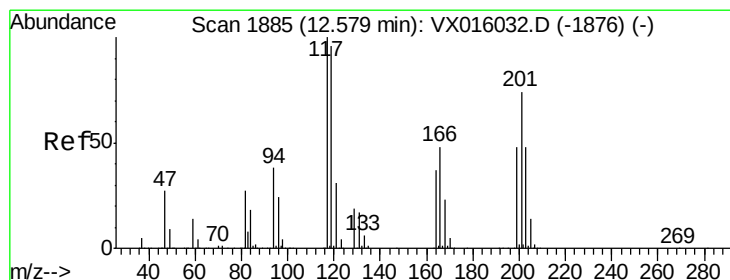
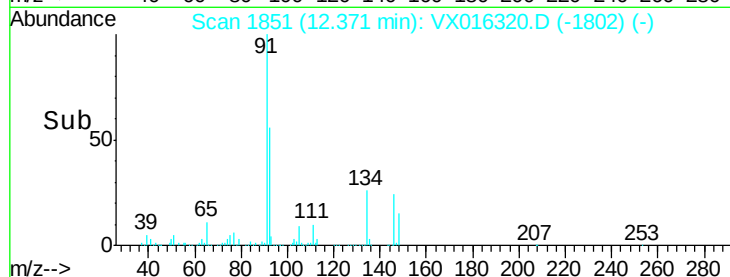
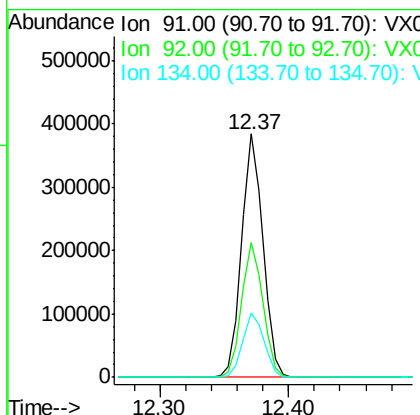
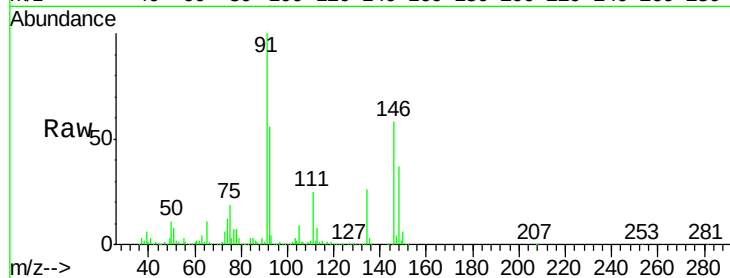
#89
n-Butylbenzene
Concen: 37.245 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.3	27.6	82.7
134	26.6	13.4	40.1

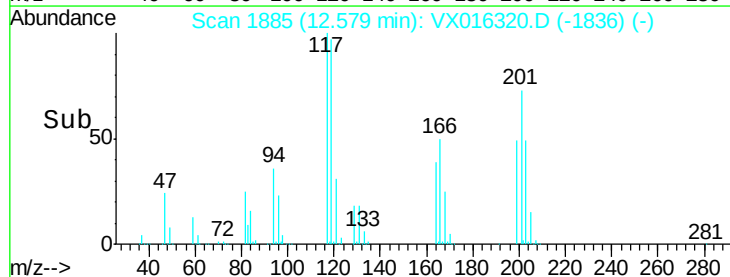
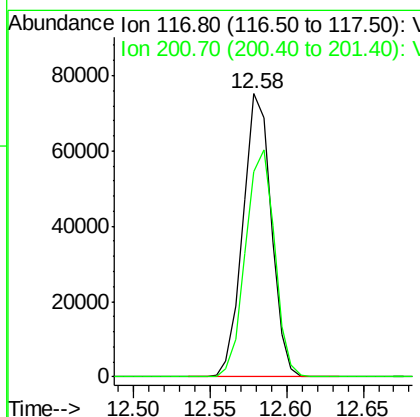
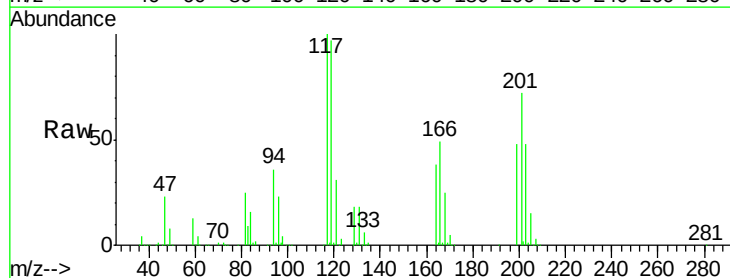
Manual Integrations
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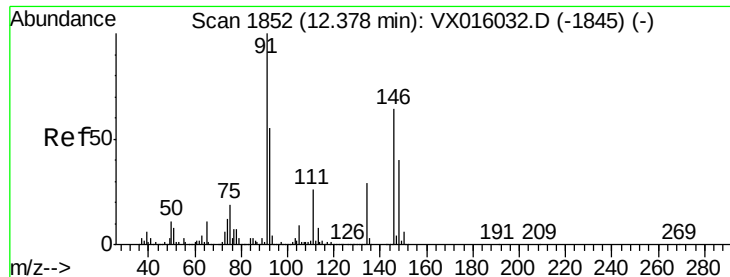
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#90
Hexachloroethane
Concen: 43.577 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	39.8	119.3





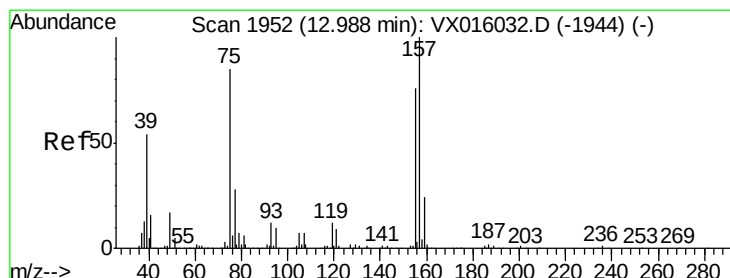
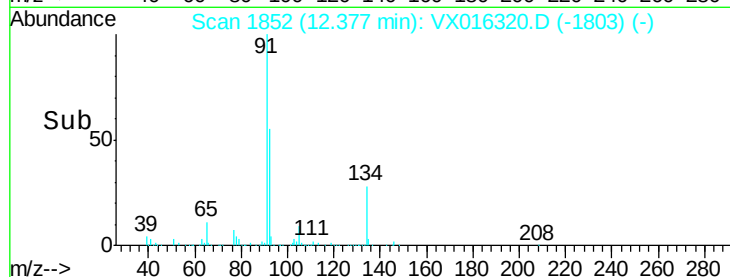
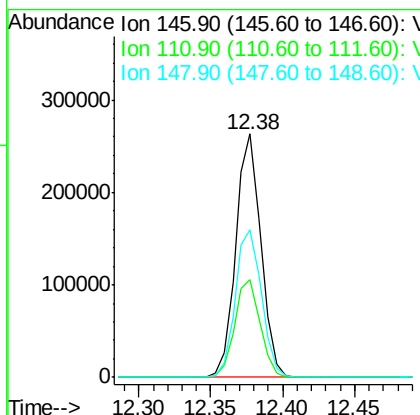
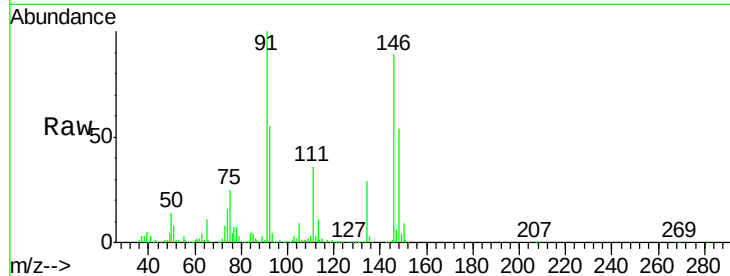
#91
1,2-Dichlorobenzene
Concen: 50.466 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	319314		
111	41.0	21.1	63.1	
148	63.3	32.4	97.0	

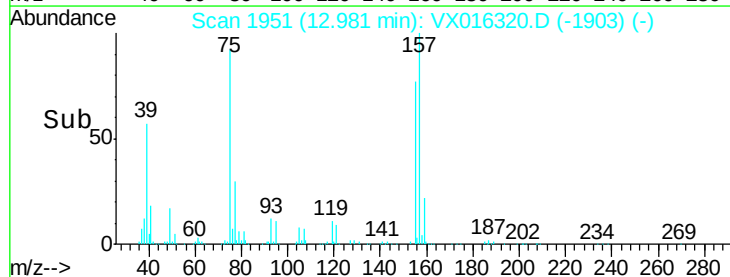
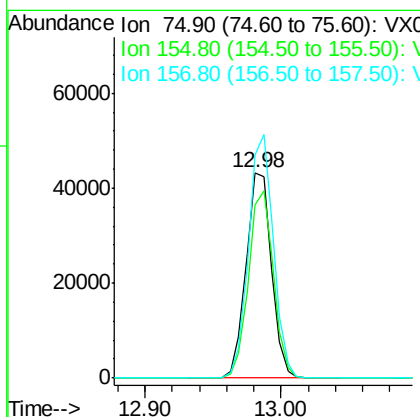
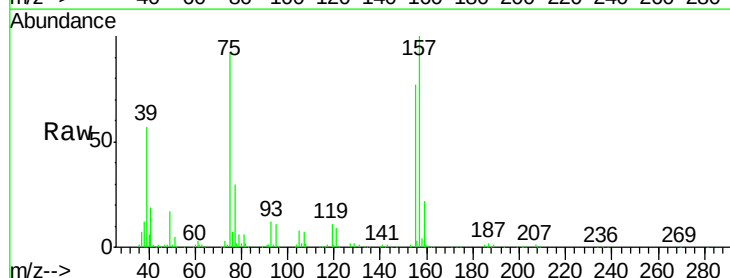
Manual Integrations
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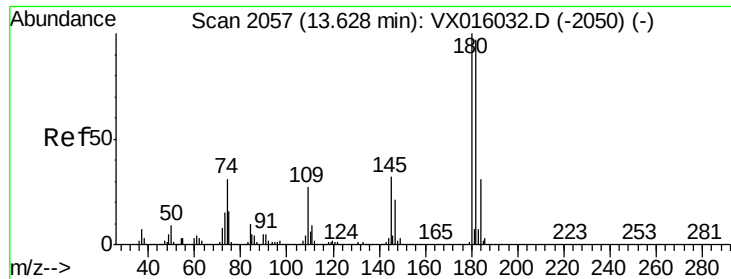
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 48.717 ug/l
RT: 12.98 min Scan# 1951
Delta R.T. -0.01 min
Lab File: VX016320.D
Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	56796		
155	89.4	42.5	127.5	
157	115.7	55.3	165.8	





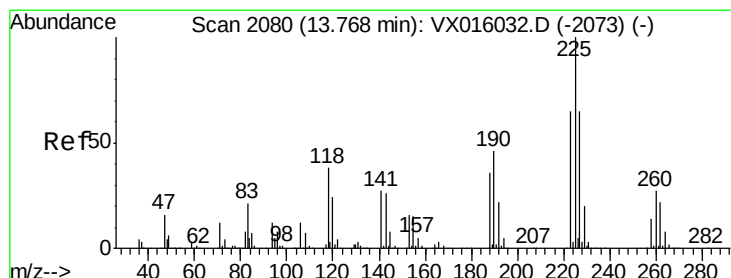
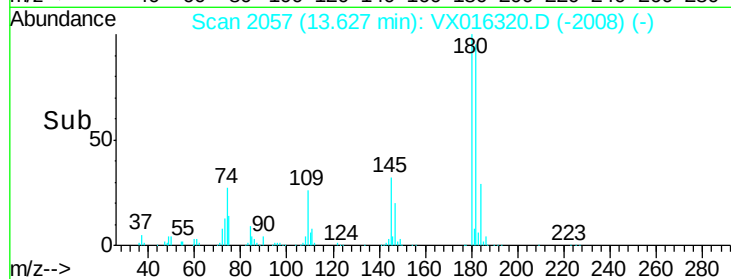
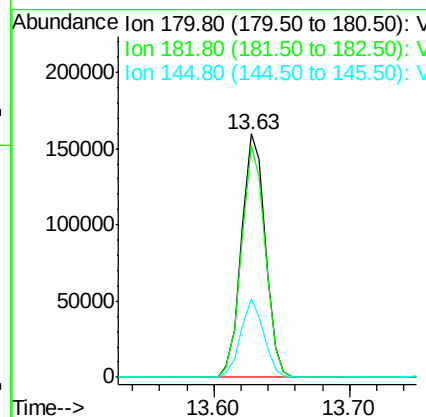
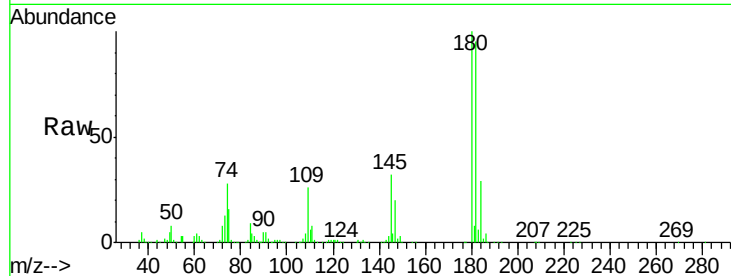
#93
 1,2,4-Trichlorobenzene
 Concen: 41.366 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	193779		
182	94.8	48.7	146.1	
145	31.2	15.7	47.1	

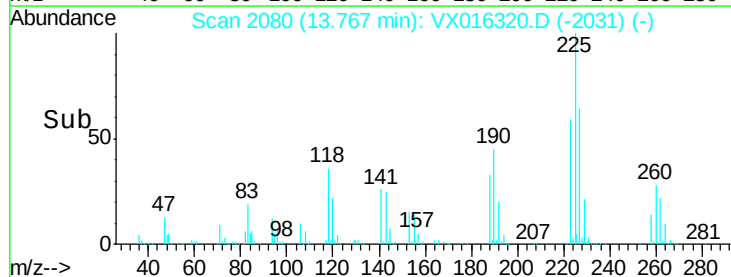
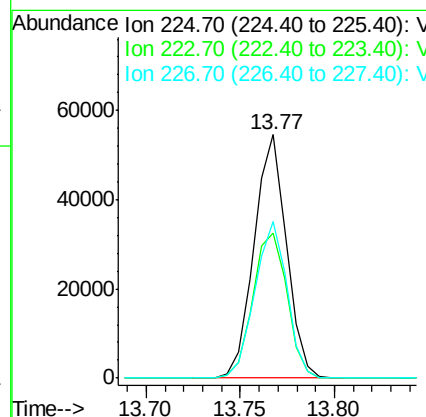
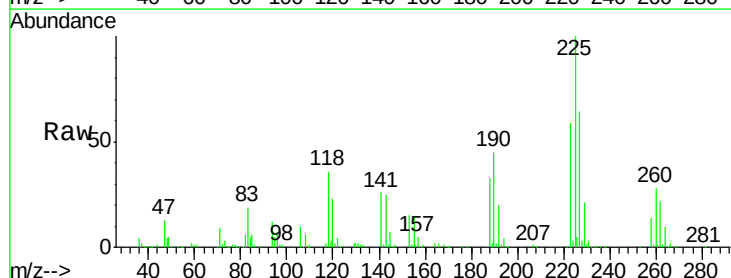
Manual Integrations
 APPROVED

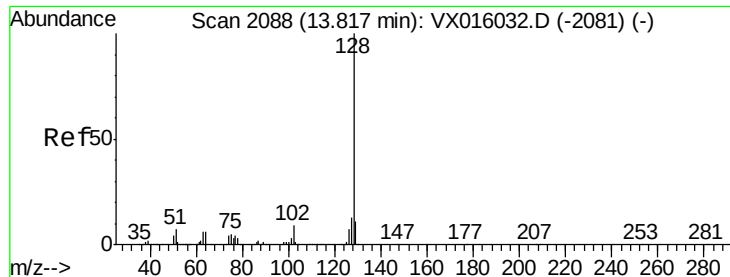
MMDadoda
 5/19/2020 2:27:36 PM



#94
 Hexachlorobutadiene
 Concen: 32.315 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016320.D
 Acq: 18 May 2020 23:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64807		
223	63.3	32.3	96.9	
227	64.2	31.8	95.4	





#95

Naphthalene

Concen: 48.579 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Instrument :

MSVOA_X

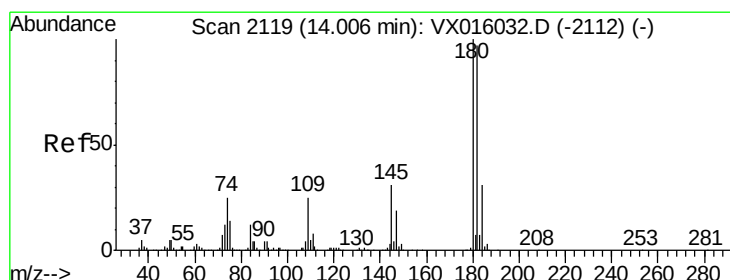
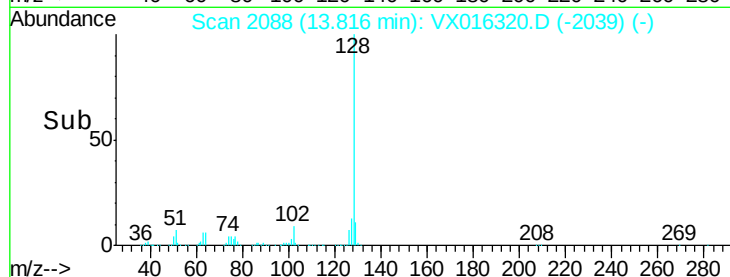
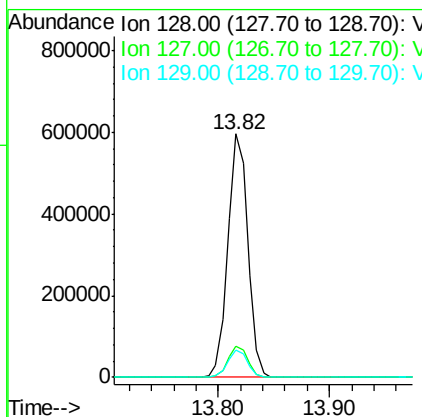
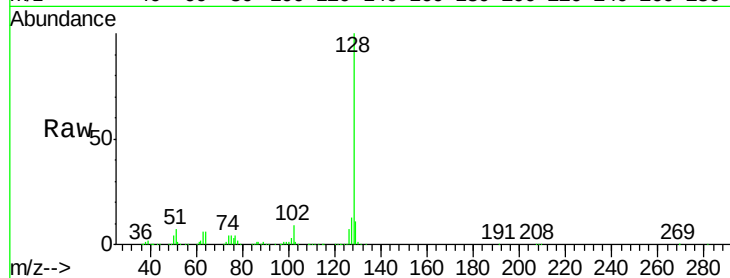
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	736864
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/19/2020 2:27:36 PM



#96

1,2,3-Trichlorobenzene

Concen: 42.760 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016320.D

Acq: 18 May 2020 23:44

Tgt Ion:	180	Resp:	195765
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.4	145.0
145	32.0	16.4	49.1

