

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060320\
 Data File : VX016571.D
 Acq On : 03 Jun 2020 17:06
 Operator : JC/SP
 Sample : L2867-09MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Manual Integrations
 APPROVED

MMDadoda
 6/4/2020 3:07:35 PM

Quant Time: Jun 04 09:11:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	237586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	378467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	357433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	183542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	150679	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
35) Dibromofluoromethane	5.47	113	118528	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	8.70	98	466322	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.12	95	180009	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	113016	48.337	ug/l	97
3) Chloromethane	1.31	50	129637	45.881	ug/l	99
4) Vinyl Chloride	1.39	62	148418	49.670	ug/l	98
5) Bromomethane	1.62	94	60619	41.724	ug/l	99
6) Chloroethane	1.70	64	90207	51.753	ug/l	96
7) Trichlorofluoromethane	1.91	101	204330	52.070	ug/l	100
8) Diethyl Ether	2.17	74	82669	50.522	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	104462	48.368	ug/l	99
10) Methyl Iodide	2.49	142	83626	33.484	ug/l	100
11) Tert butyl alcohol	3.02	59	188451	249.075	ug/l	100
12) 1,1-Dichloroethene	2.36	96	114187	49.949	ug/l	98
13) Acrolein	2.27	56	93378	290.130	ug/l	97
14) Allyl chloride	2.70	41	207481	49.350	ug/l	98
15) Acrylonitrile	3.12	53	407688	263.050	ug/l	99
16) Acetone	2.42	43	337772	261.295	ug/l	99
17) Carbon Disulfide	2.55	76	328686	48.416	ug/l	99
18) Methyl Acetate	2.75	43	170251	51.350	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	438655	53.435	ug/l	97
20) Methylene Chloride	2.83	84	134538	50.304	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	129302	51.134	ug/l	96
22) Diisopropyl ether	3.82	45	398328	49.319	ug/l	99
23) Vinyl Acetate	3.79	43	1775551	251.160	ug/l	98
24) 1,1-Dichloroethane	3.67	63	234684	51.483	ug/l	100
25) 2-Butanone	4.64	43	560500	255.889	ug/l	97
26) 2,2-Dichloropropane	4.55	77	195338	52.368	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	154161	52.698	ug/l	99
28) Bromochloromethane	4.98	49	98541	46.518	ug/l	93
29) Tetrahydrofuran	5.09	42	359296	253.900	ug/l	96
30) Chloroform	5.18	83	241739	52.630	ug/l	98
31) Cyclohexane	5.55	56	188305	45.917	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	219822	52.862	ug/l	99
36) 1,1-Dichloropropene	5.77	75	176895	49.366	ug/l	98
37) Ethyl Acetate	4.79	43	237469	55.198	ug/l	98
38) Carbon Tetrachloride	5.76	117	194790	51.727	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	182893	46.990	ug/l	98
40) Benzene	6.12	78	541752	50.768	ug/l	99
41) Methacrylonitrile	5.01	41	113392	47.984	ug/l	98
42) 1,2-Dichloroethane	6.17	62	191024	50.337	ug/l	100
43) Isopropyl Acetate	6.41	43	323219	48.166	ug/l	98
44) Trichloroethene	7.19	130	160361	47.364	ug/l	95
45) 1,2-Dichloropropane	7.49	63	134466	49.497	ug/l	98
46) Dibromomethane	7.64	93	93002	50.969	ug/l	98
47) Bromodichloromethane	7.88	83	196720	52.068	ug/l	100
48) Methyl methacrylate	7.74	41	157035	48.875	ug/l	97
49) 1,4-Dioxane	7.71	88	71268	947.805	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1058807	253.400	ug/l	98
52) Toluene	8.77	92	346018	51.421	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	223419	52.005	ug/l	100
54) cis-1,3-Dichloropropene	8.41	75	231867	50.990	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	139155	52.011	ug/l	98
56) Ethyl methacrylate	9.16	69	227424	52.193	ug/l	97
57) 1,3-Dichloropropane	9.35	76	236687	51.539	ug/l	99
59) 2-Hexanone	9.48	43	829601	255.312	ug/l	98
60) Dibromochloromethane	9.57	129	160702	53.373	ug/l	99
61) 1,2-Dibromoethane	9.65	107	150207	52.427	ug/l	100
64) Tetrachloroethene	9.32	164	170671	42.679	ug/l	98
65) Chlorobenzene	10.12	112	370353	50.823	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	146498	52.666	ug/l	99
67) Ethyl Benzene	10.24	91	655683	50.538	ug/l	99
68) m/p-Xylenes	10.34	106	501766	104.308	ug/l	99
69) o-Xylene	10.68	106	238214	51.133	ug/l	99
70) Stvrene	10.70	104	420191	52.474	ug/l	100
71) Bromoform	10.84	173	127038	54.038	ug/l #	99
73) Isopropylbenzene	11.01	105	634424	49.887	ug/l	99
74) N-amyl acetate	10.88	43	276729	47.307	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	187409	58.800	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	201839m	50.030	ug/l	
77) Bromobenzene	11.24	156	167083	50.092	ug/l	97
78) n-propylbenzene	11.34	91	720357	50.701	ug/l	99
79) 2-Chlorotoluene	11.40	91	437114	50.402	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	548820	51.684	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	80040	48.803	ug/l	99
82) 4-Chlorotoluene	11.49	91	512925	50.084	ug/l	100
83) tert-Butylbenzene	11.76	119	500114	55.120	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	551614	51.366	ug/l	99
85) sec-Butylbenzene	11.93	105	605580	53.205	ug/l	100
86) p-Isopropyltoluene	12.05	119	563284	52.831	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	293549	50.798	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	297797	50.388	ug/l	99
89) n-Butylbenzene	12.37	91	469971	52.920	ug/l	99
90) Hexachloroethane	12.58	117	97842	53.128	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	282892	50.529	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	51290	49.682	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	205785	55.344	ug/l	99

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QLast Update : Wed May 27 16:31:05 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	83409	57.134	ug/l	98
95) Naphthalene	13.82	128	669147	52.496	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	200492	55.038	ug/l	98

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

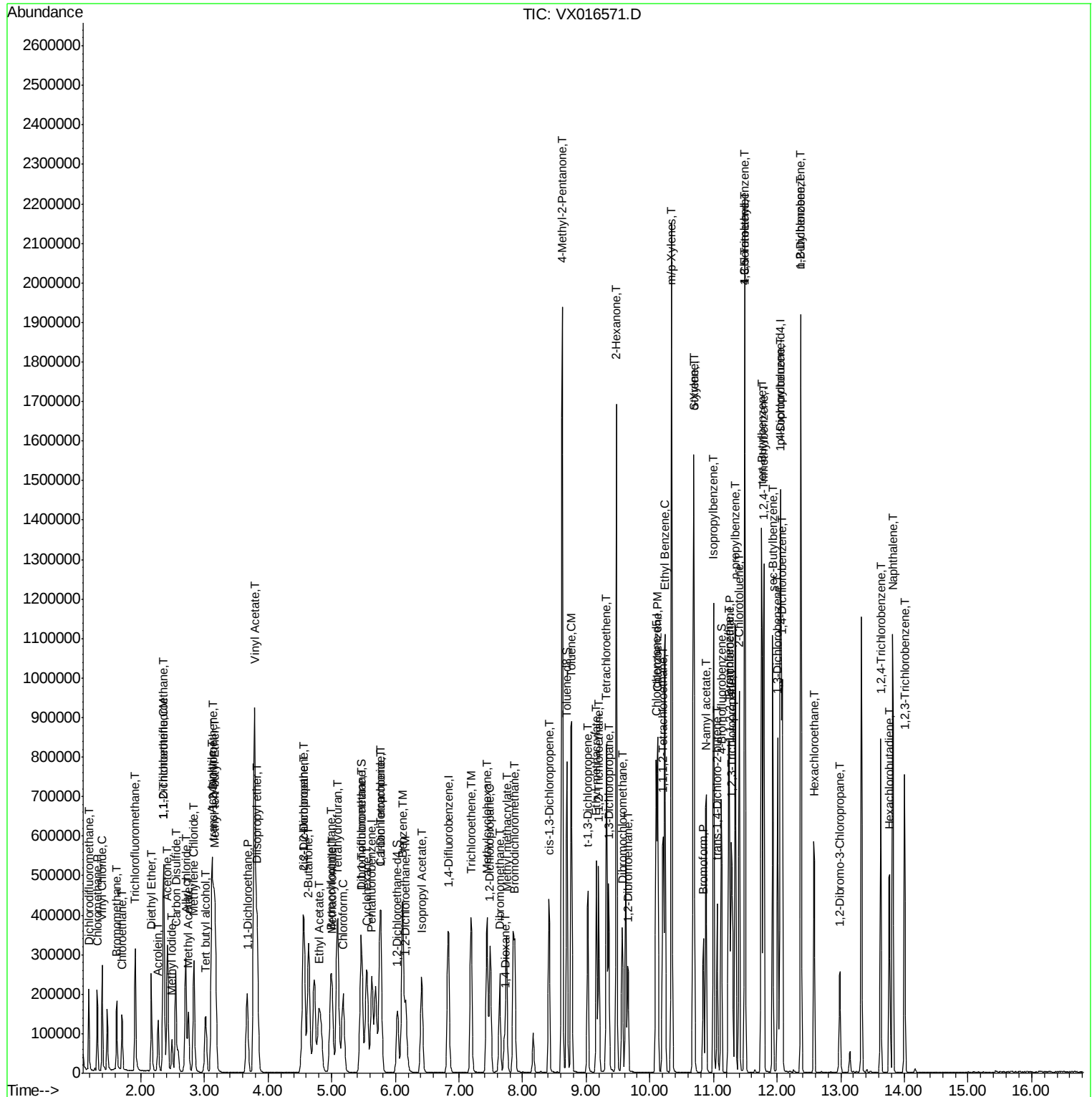
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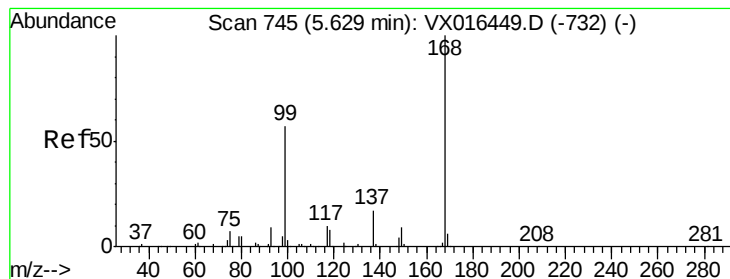
Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion:168 Resp: 237586

Ion Ratio Lower Upper

168 100

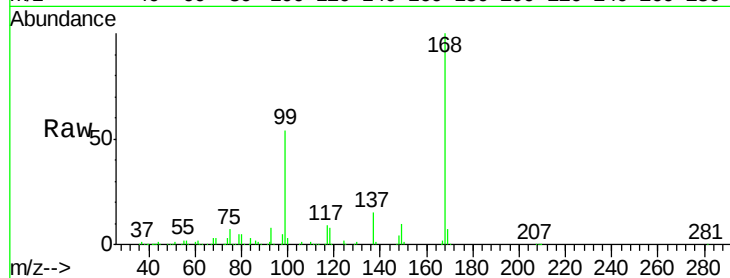
99 53.7 45.2 67.8

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

80000

60000

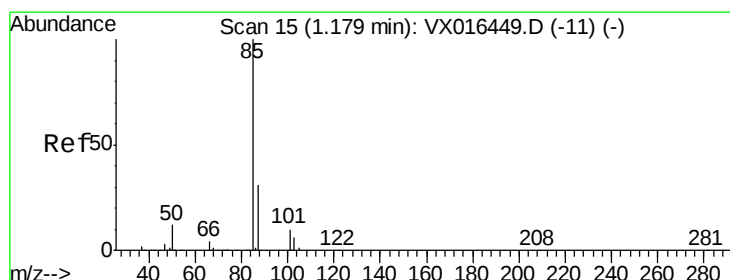
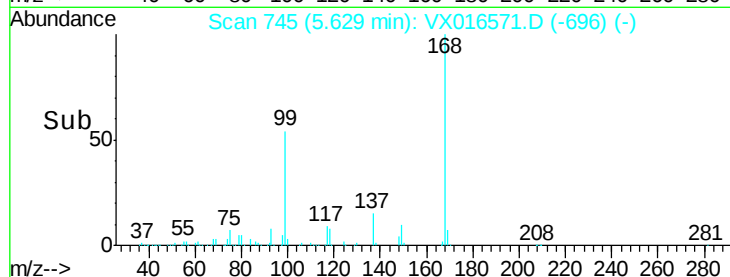
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.337 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.01 min

Lab File: VX016571.D

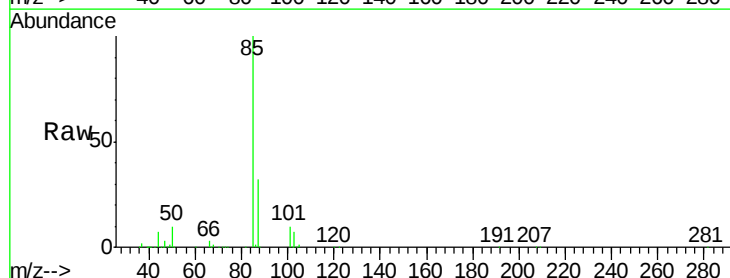
Acq: 03 Jun 2020 17:06

Tgt Ion: 85 Resp: 113016

Ion Ratio Lower Upper

85 100

87 32.2 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

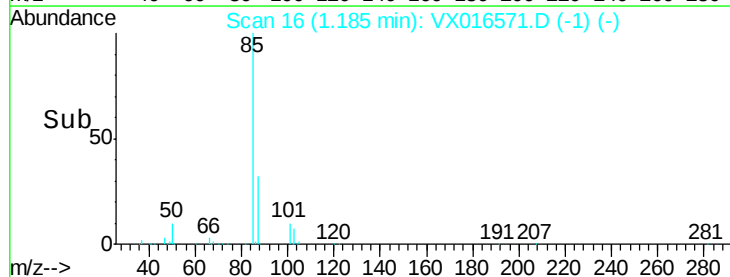
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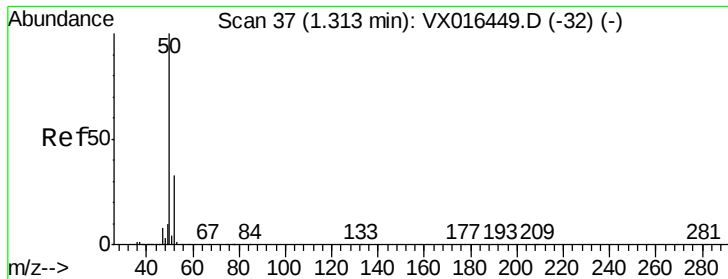
50000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.881 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion: 50 Resp: 129637

Ion Ratio Lower Upper

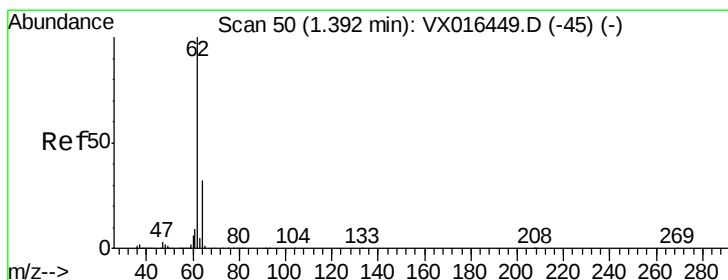
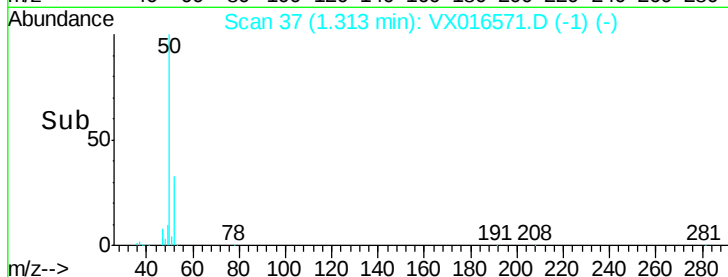
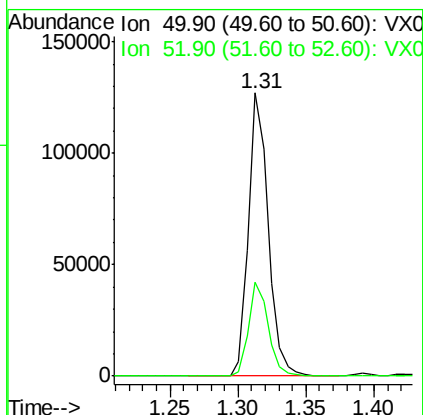
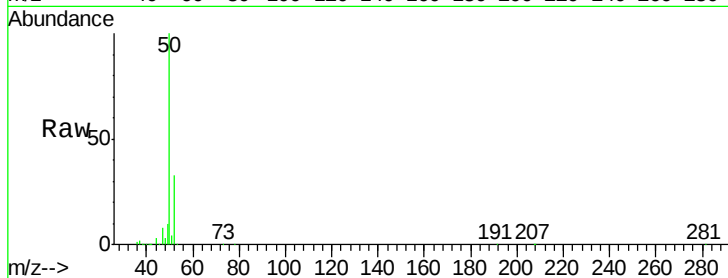
50 100

52 33.2 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 49.670 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016571.D

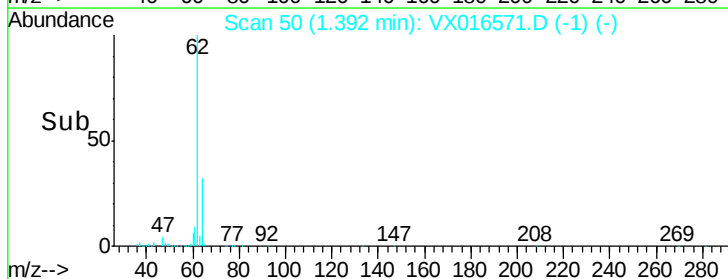
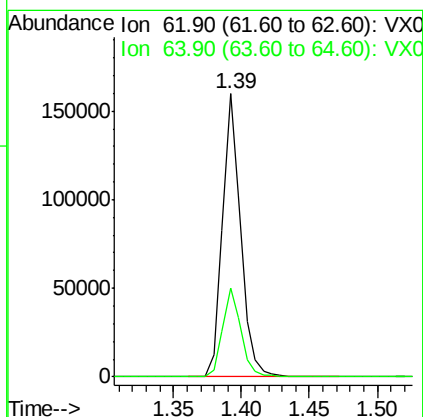
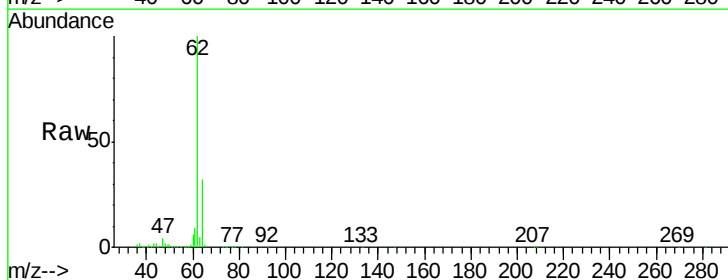
Acq: 03 Jun 2020 17:06

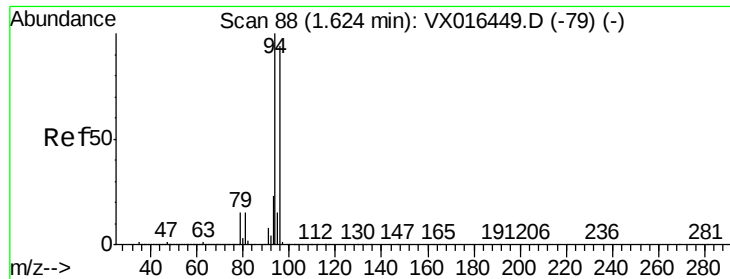
Tgt Ion: 62 Resp: 148418

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9





#5

Bromomethane

Concen: 41.724 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion: 94 Resp: 60619

Ion Ratio Lower Upper

94 100

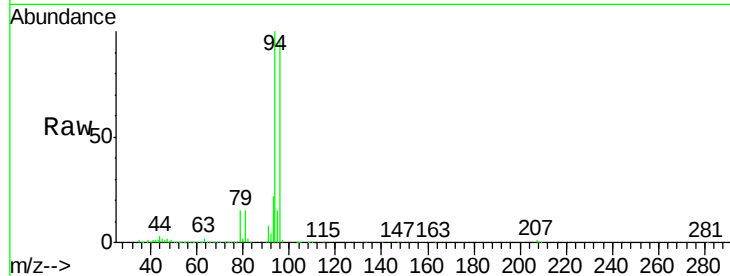
96 95.3 75.1 112.7

Manual Integrations

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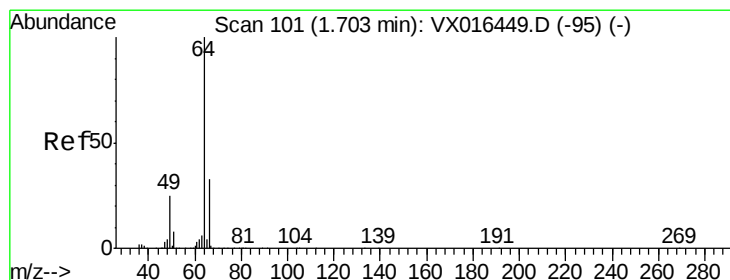
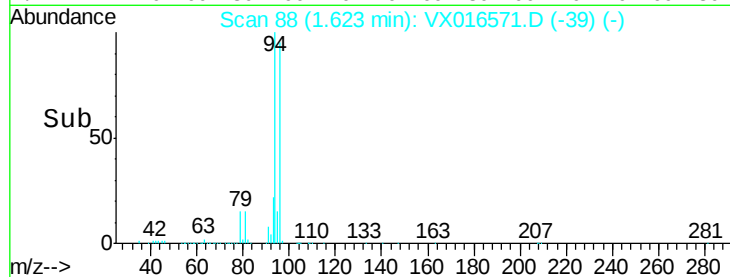
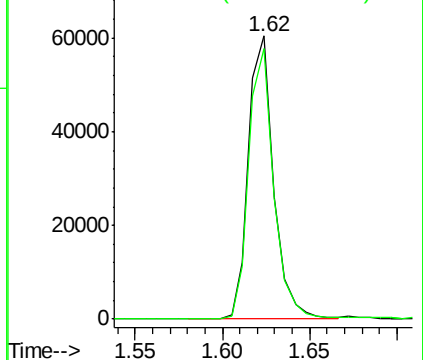
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.753 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016571.D

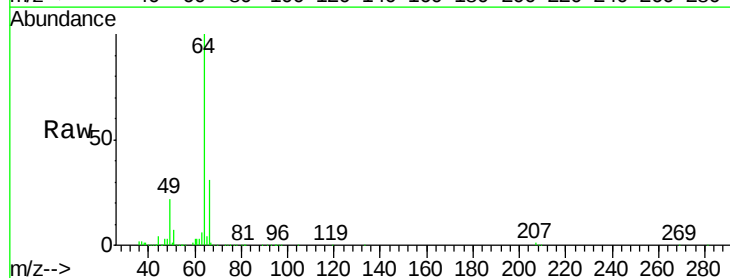
Acq: 03 Jun 2020 17:06

Tgt Ion: 64 Resp: 90207

Ion Ratio Lower Upper

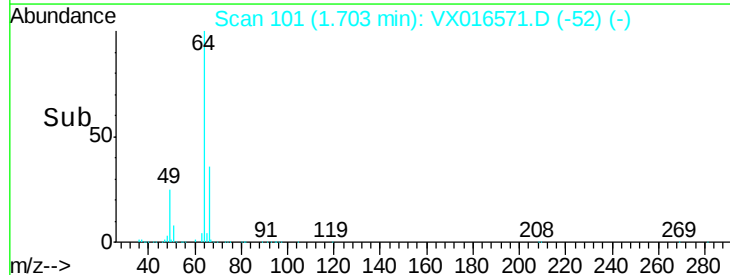
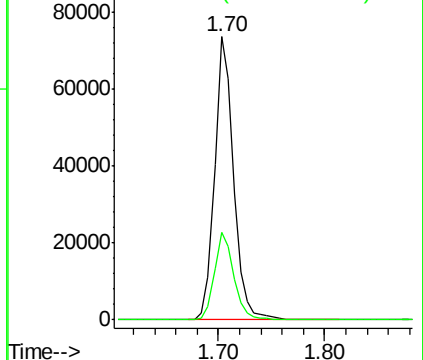
64 100

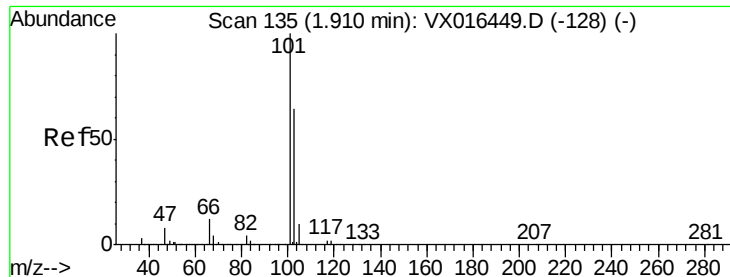
66 31.0 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

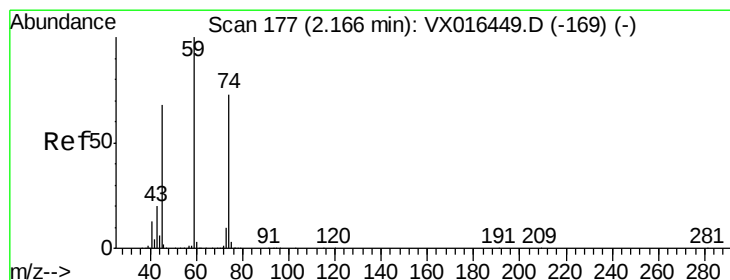
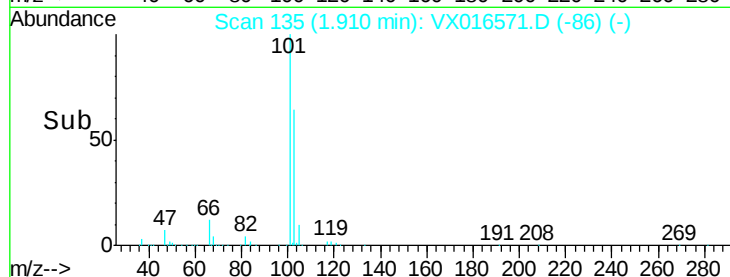
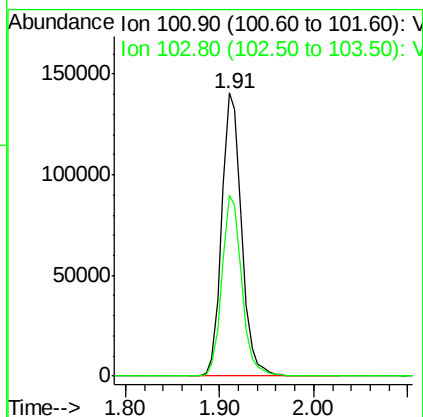
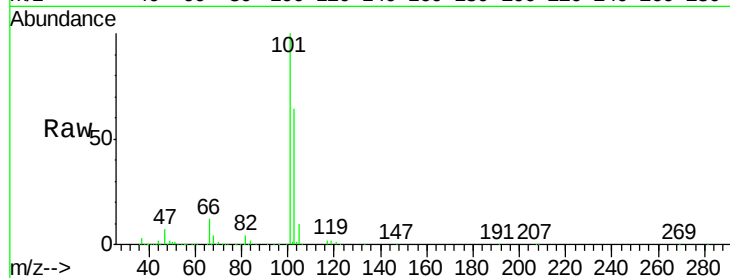
Trichlorofluoromethane
Concen: 52.070 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.9	76.3

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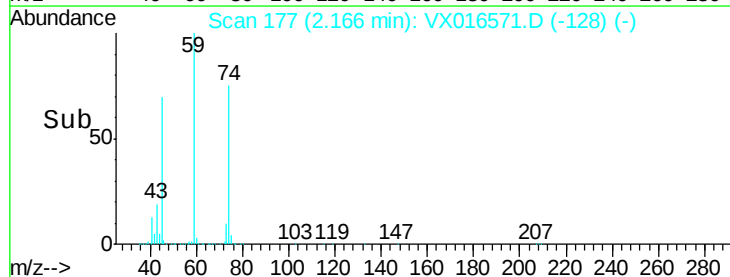
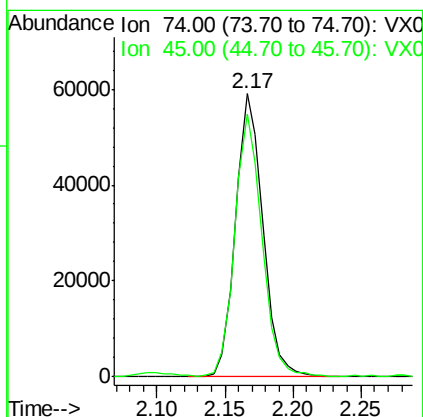
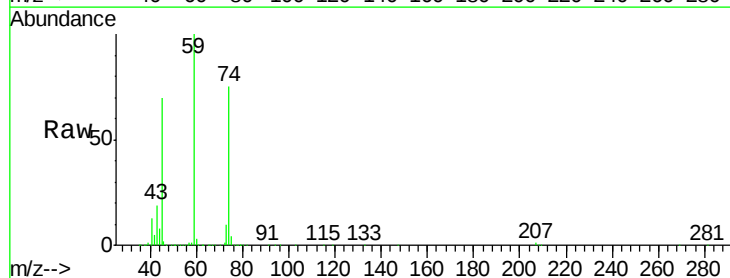
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6/4/2020 3:07:35 PM



#8

Diethyl Ether
Concen: 50.522 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.5	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.368 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

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MSVOA_X

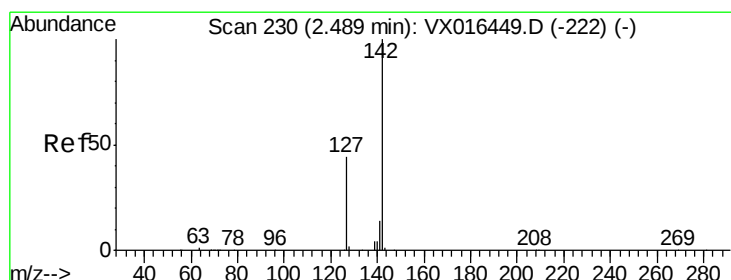
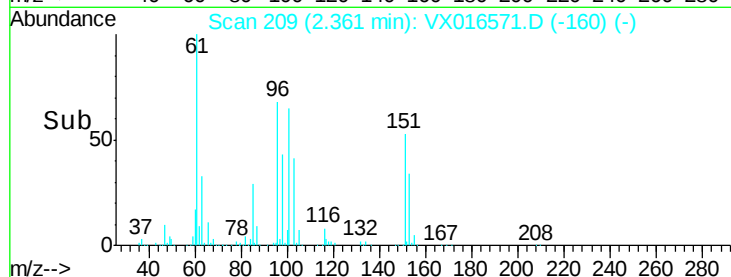
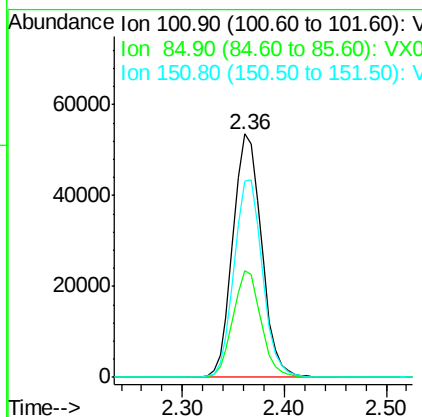
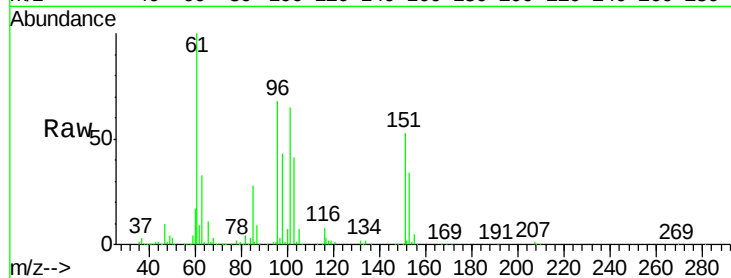
ClientSampleId :

SP20-MMW3414MS

Tot Ion:	101	Resp:	104462
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.4	51.6
151	80.2	63.8	95.6

Manual Integrations
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#10

Methyl Iodide

Concen: 33.484 ug/l

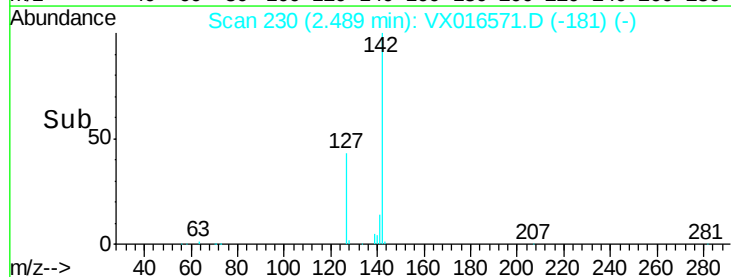
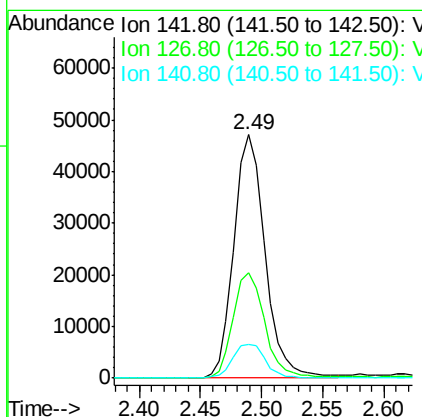
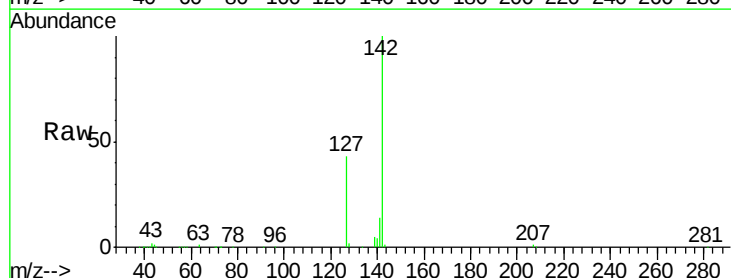
RT: 2.49 min Scan# 230

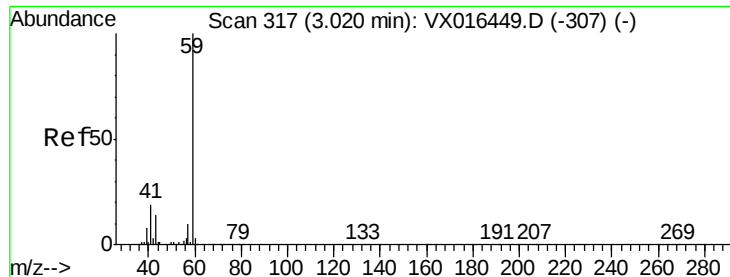
Delta R.T. 0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Tgt Ion:	142	Resp:	83626
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.3	52.9
141	14.8	11.4	17.2





#11

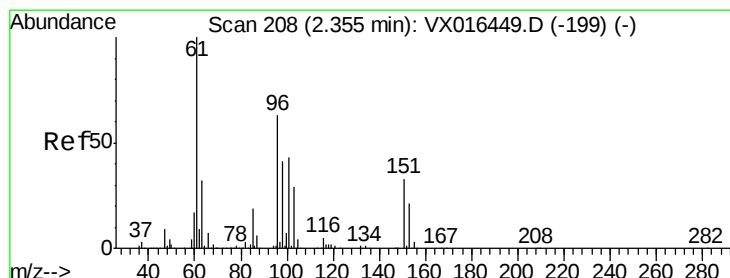
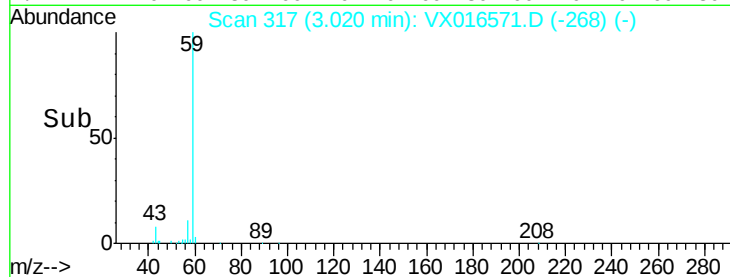
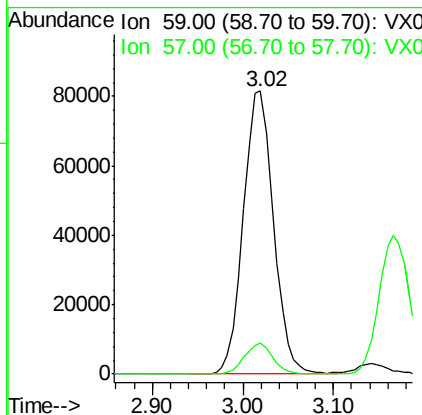
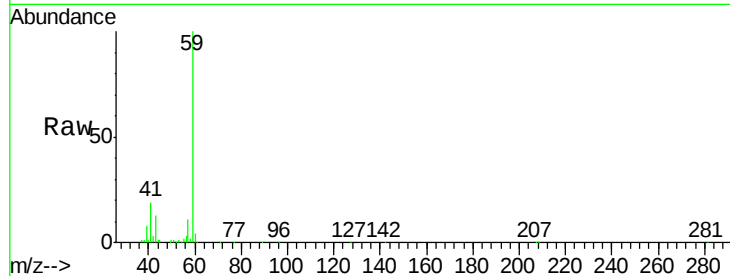
Tert butyl alcohol
Concen: 249.075 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	188451		
57	57	10.4		8.2	12.4

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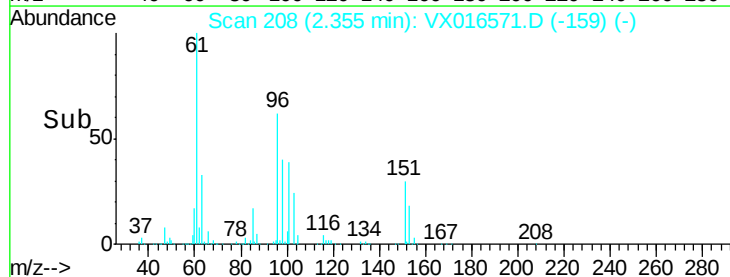
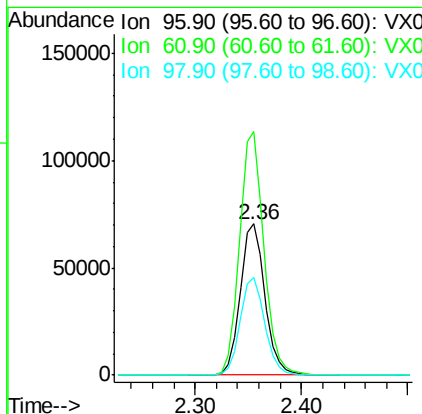
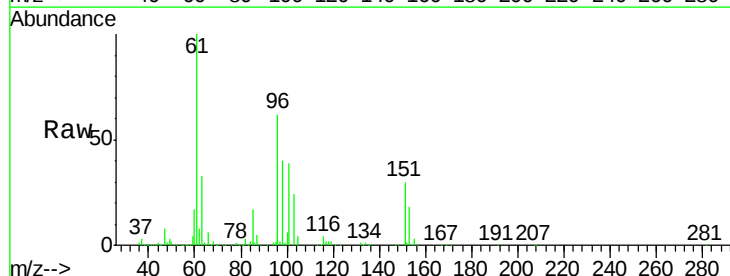
MMDadoda
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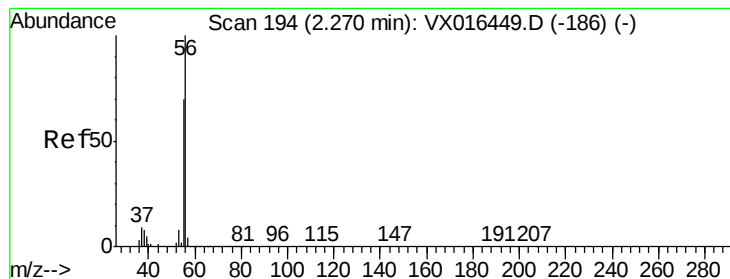


#12

1,1-Dichloroethene
Concen: 49.949 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	114187		
61	61	161.2		126.6	189.8
98	98	65.0		51.3	76.9





#13

Acrolein

Concen: 290.130 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion: 56 Resp: 93378

Ion Ratio Lower Upper

56 100

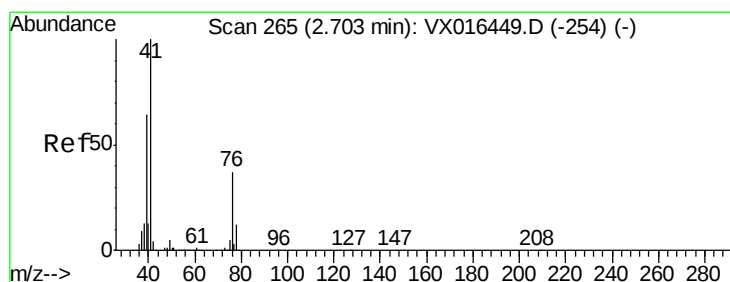
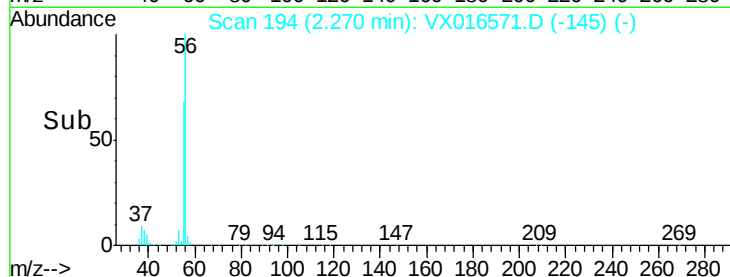
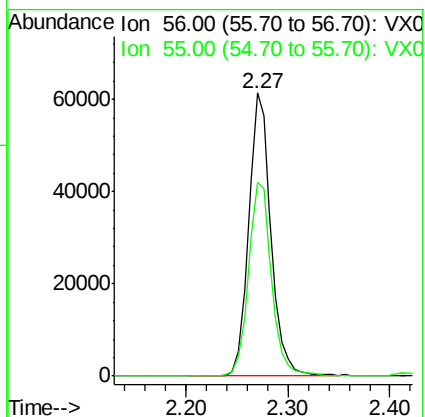
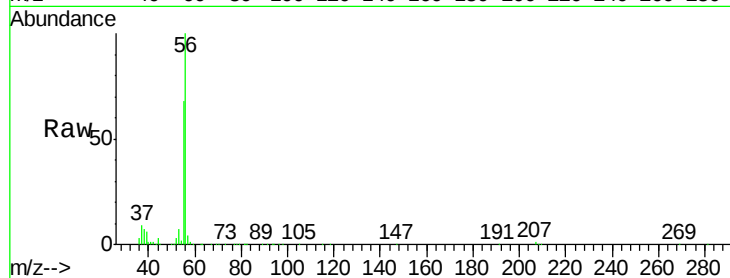
55 70.3 58.3 87.5

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 49.350 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

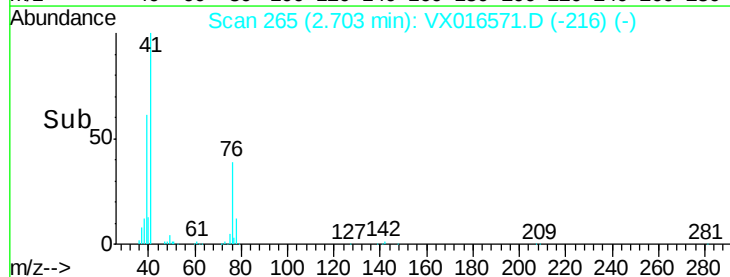
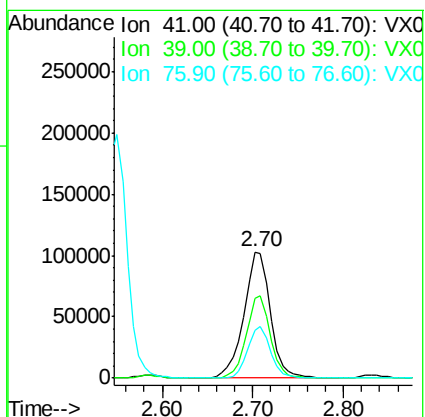
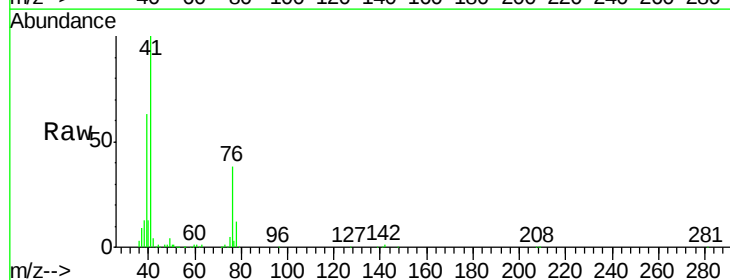
Tgt Ion: 41 Resp: 207481

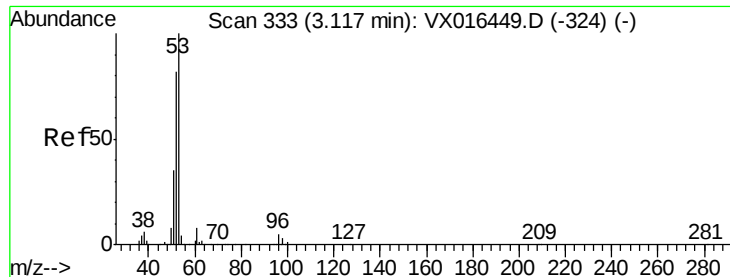
Ion Ratio Lower Upper

41 100

39 59.1 47.7 71.5

76 35.4 26.6 40.0





#15

Acrylonitrile

Concen: 263.050 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

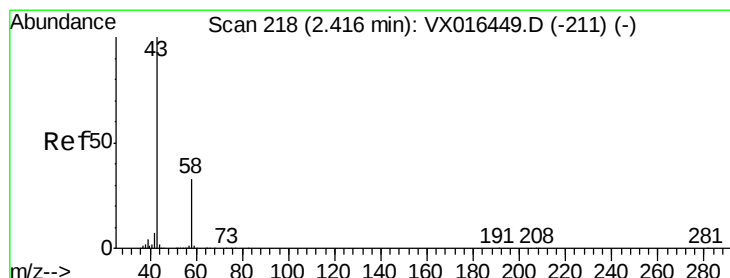
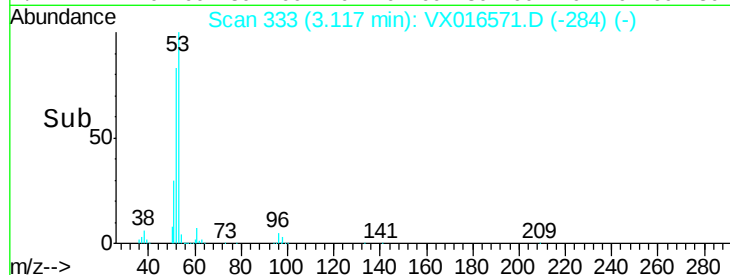
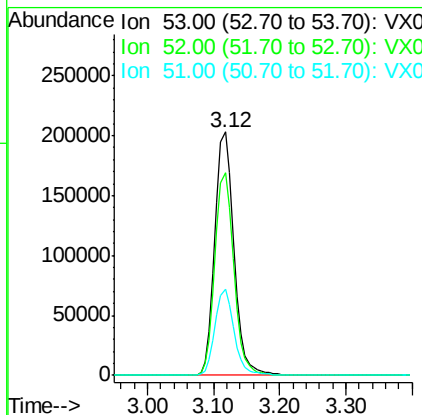
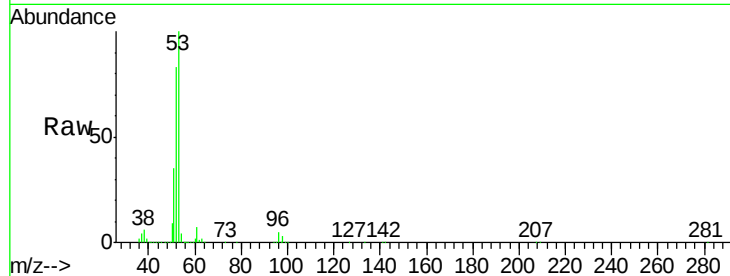
ClientSampleId :

SP20-MMW3414MS

Tot Ion:	53	Resp:	407688
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.7	100.1
51	35.3	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 261.295 ug/l

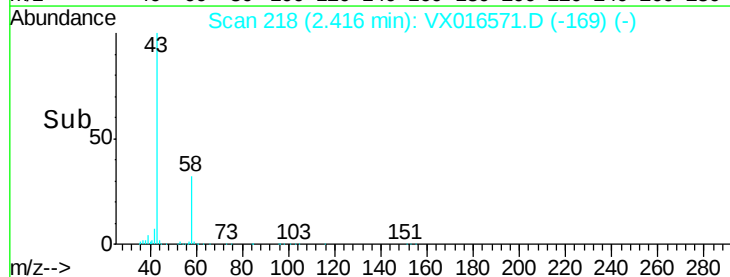
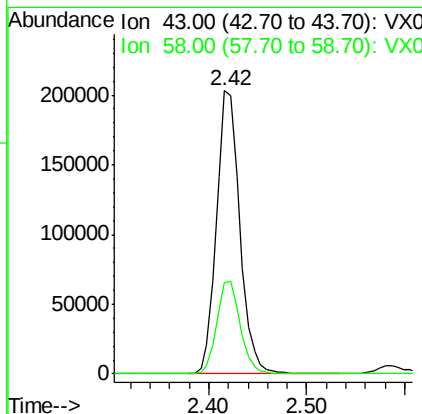
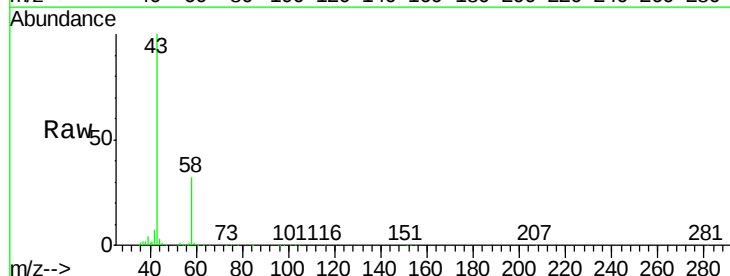
RT: 2.42 min Scan# 218

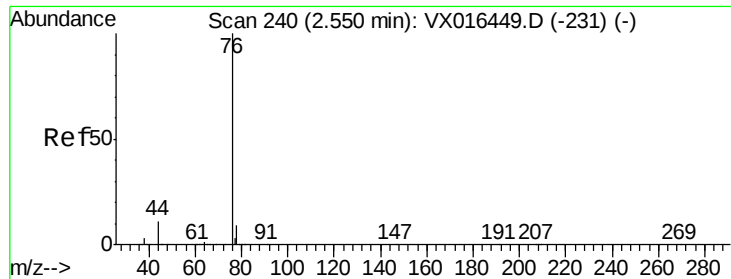
Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Tgt Ion:	43	Resp:	337772
Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.1	39.1





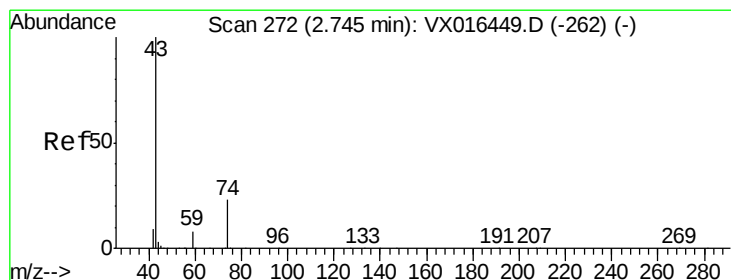
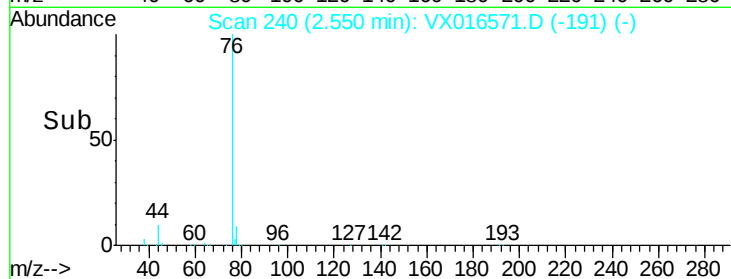
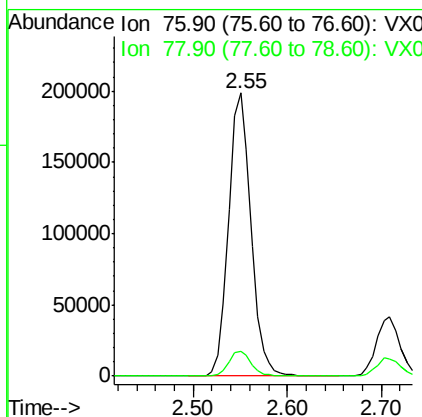
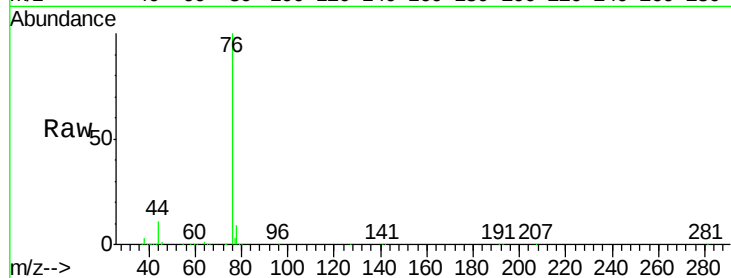
#17
Carbon Disulfide
Concen: 48.416 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

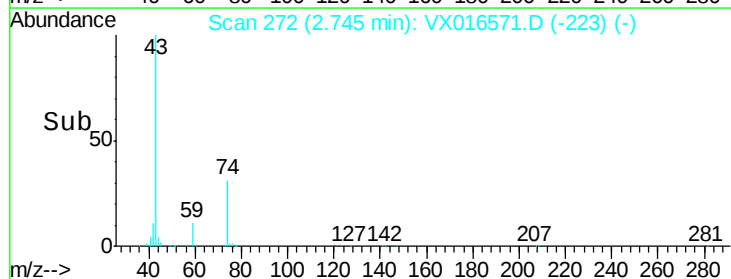
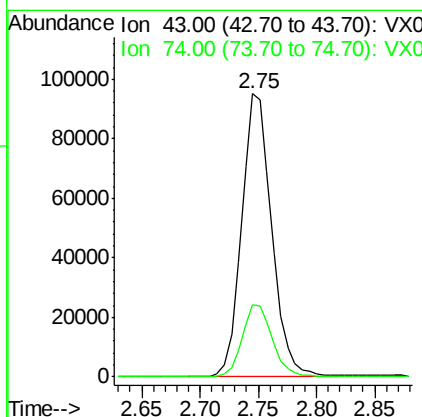
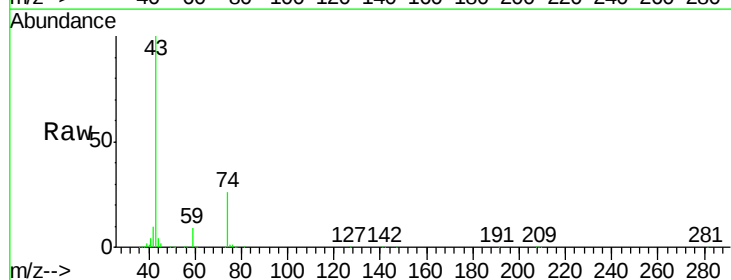
Manual Integrations
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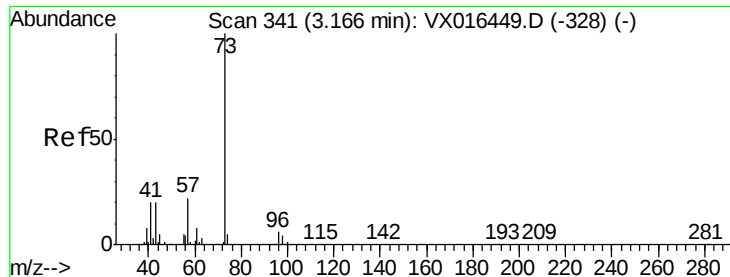
MMDadoda
6/4/2020 3:07:35 PM



#18
Methyl Acetate
Concen: 51.350 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	19.7	29.5





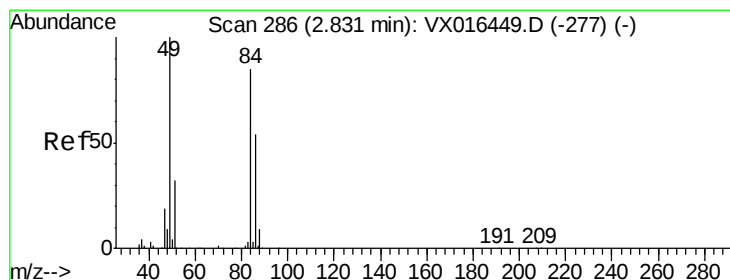
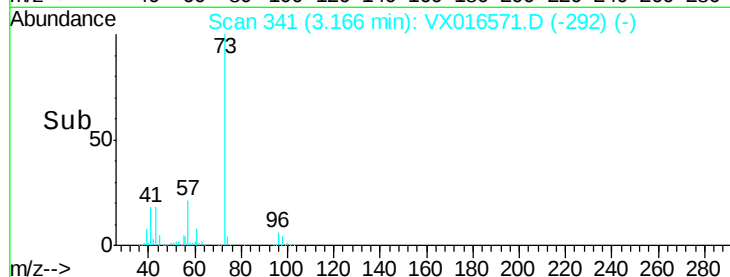
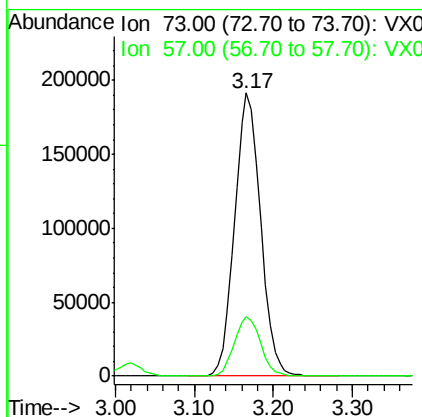
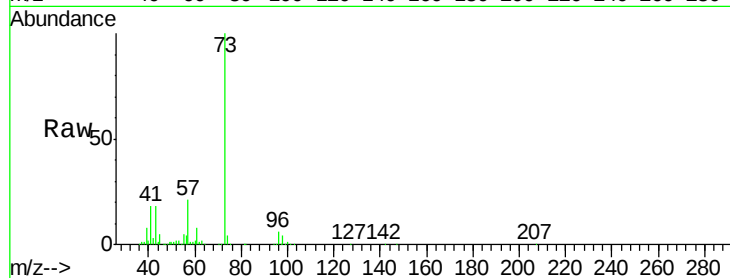
#19
Methvl tert-butvl Ether
Concen: 53.435 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion: 73 Resp: 438655
Ion Ratio Lower Upper
73 100
57 20.8 17.8 26.6

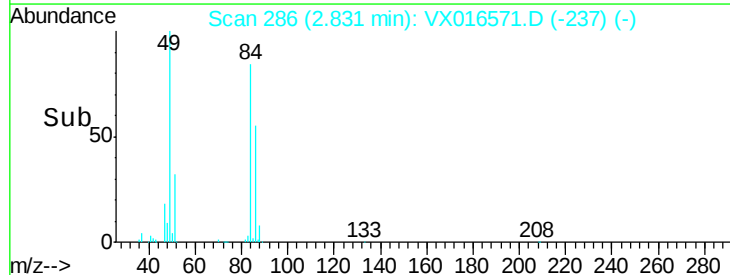
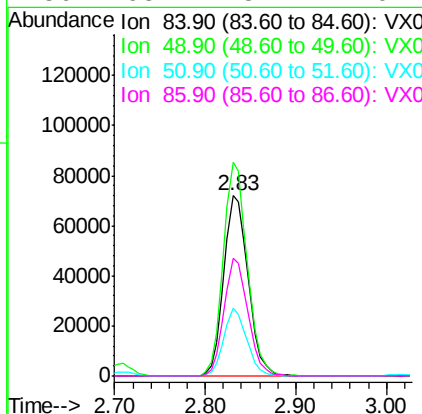
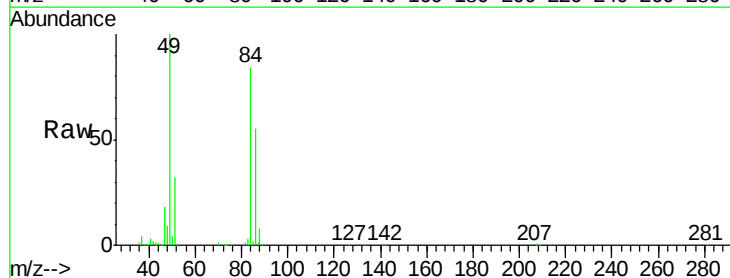
Manual Integrations
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#20
Methylene Chloride
Concen: 50.304 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion: 84 Resp: 134538
Ion Ratio Lower Upper
84 100
49 118.5 94.5 141.7
51 37.3 30.2 45.4
86 65.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 51.134 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

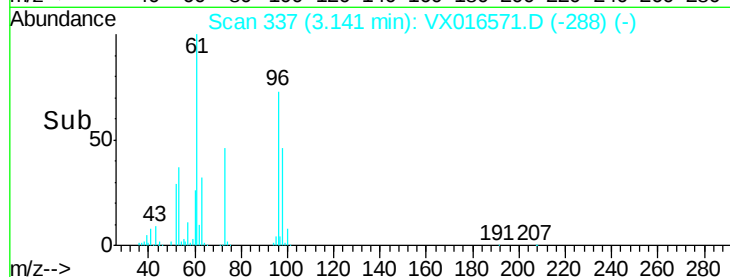
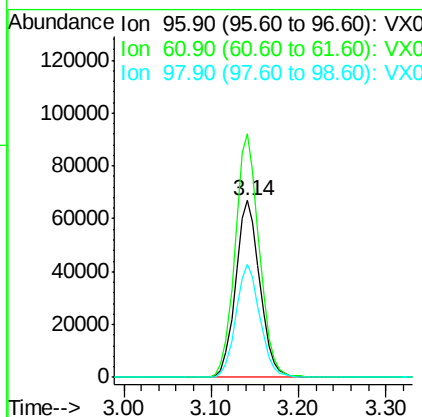
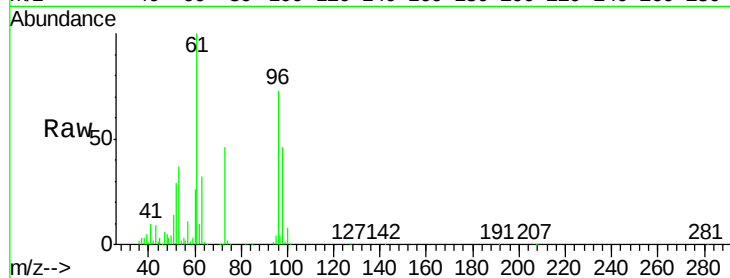
ClientSampleId :

SP20-MMW3414MS

Tot Ion:	96	Resp:	129302
Ion	Ratio	Lower	Upper
96	100		
61	137.7	115.3	172.9
98	64.0	51.9	77.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.319 ug/l

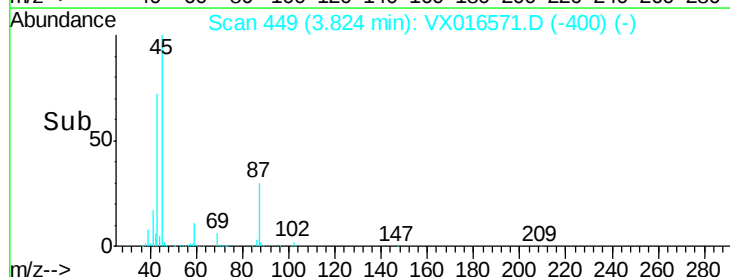
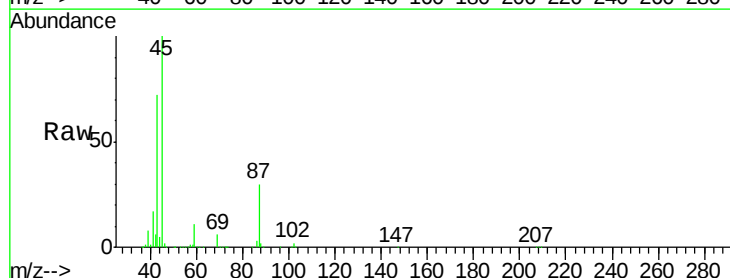
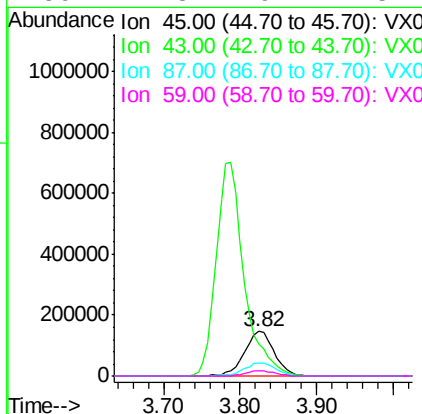
RT: 3.82 min Scan# 449

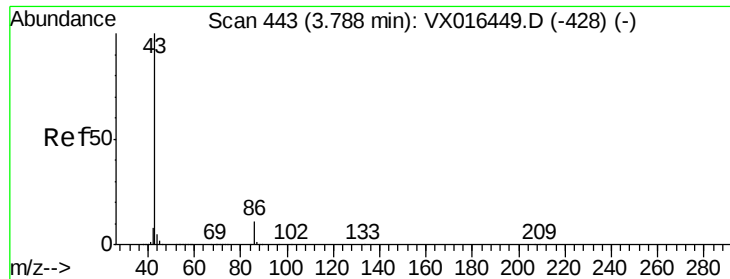
Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Tgt Ion:	45	Resp:	398328
Ion	Ratio	Lower	Upper
45	100		
43	71.8	57.0	85.6
87	29.8	22.5	33.7
59	11.3	9.1	13.7





#23

Vinyl Acetate

Concen: 251.160 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion: 43 Resp: 1775551

Ion Ratio Lower Upper

43 100

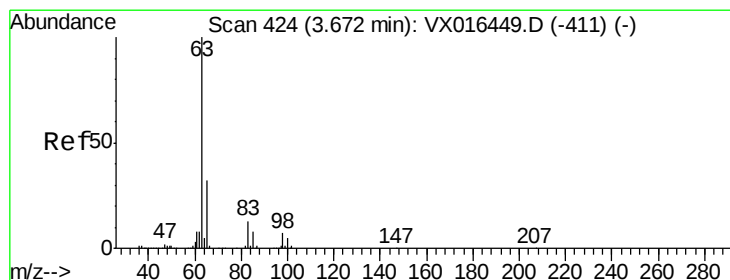
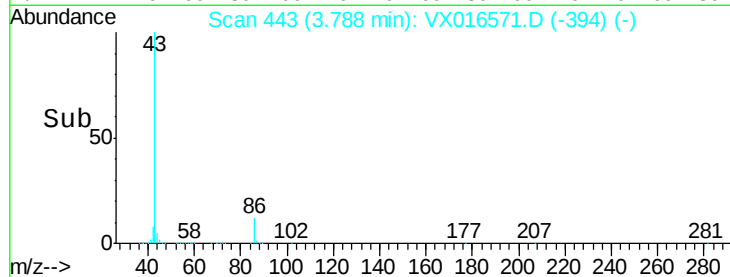
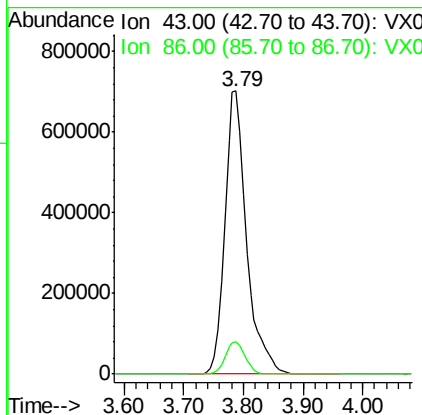
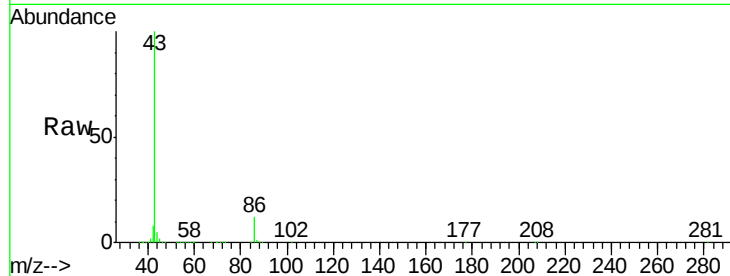
86 11.7 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.483 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

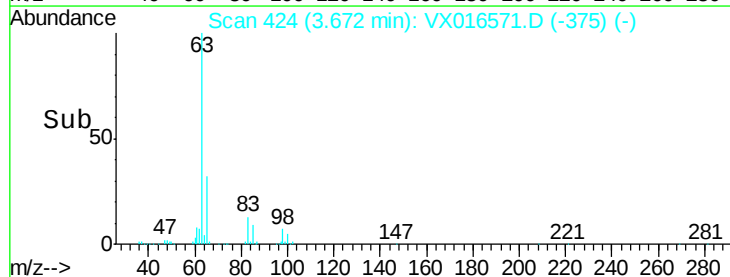
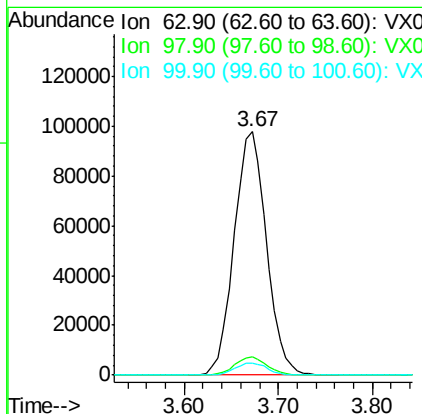
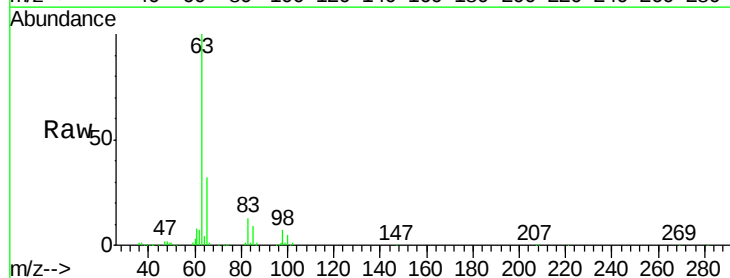
Tgt Ion: 63 Resp: 234684

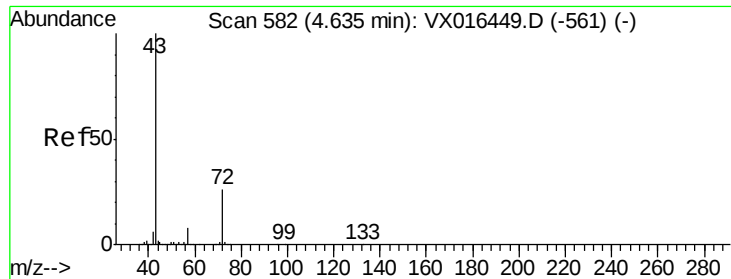
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 255.889 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion: 43 Resp: 560500

Ion Ratio Lower Upper

43 100

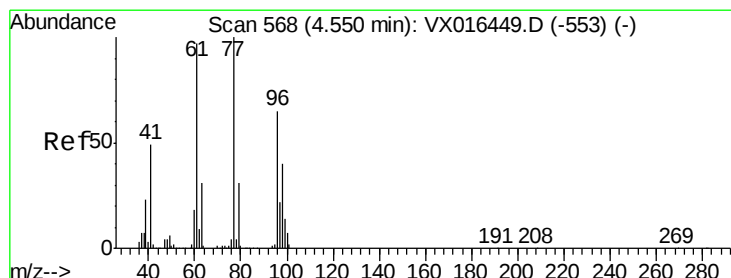
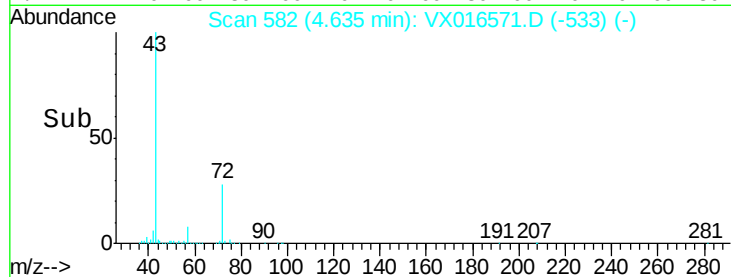
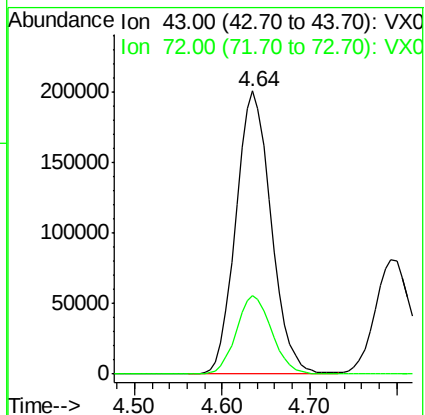
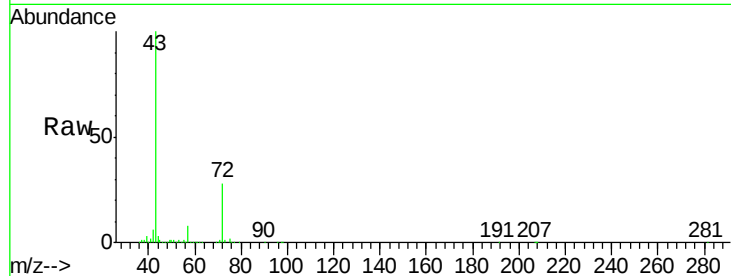
72 27.9 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.368 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX016571.D

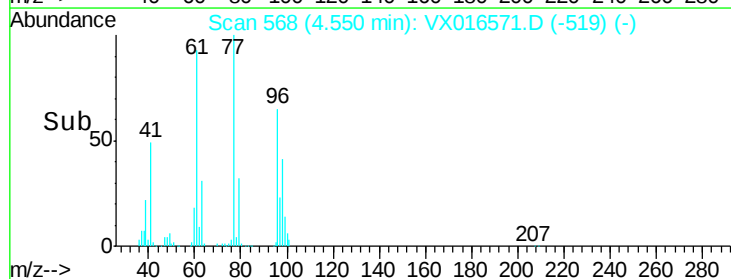
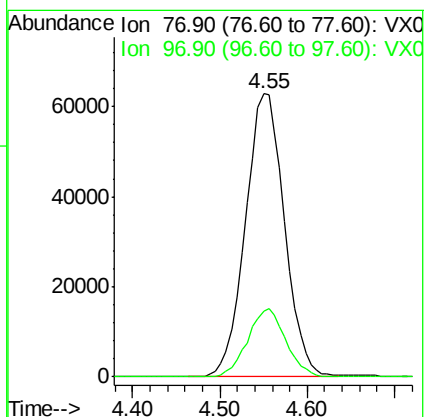
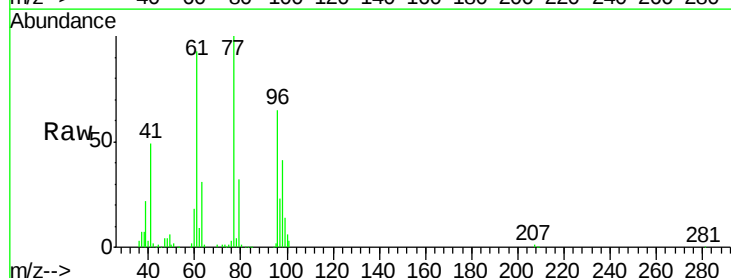
Acq: 03 Jun 2020 17:06

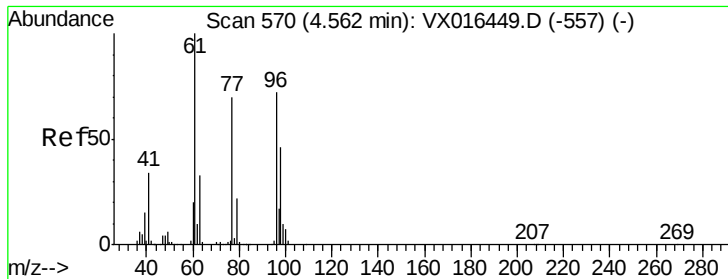
Tgt Ion: 77 Resp: 195338

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.4





#27

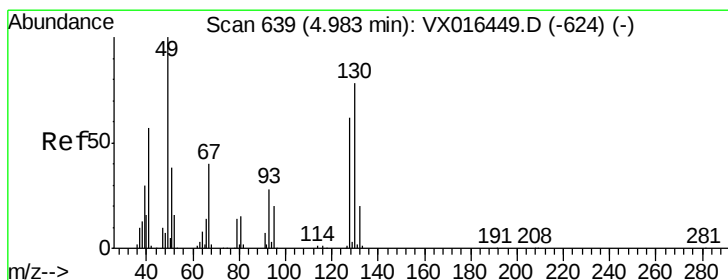
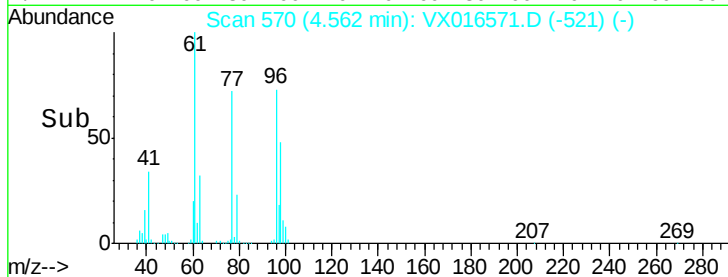
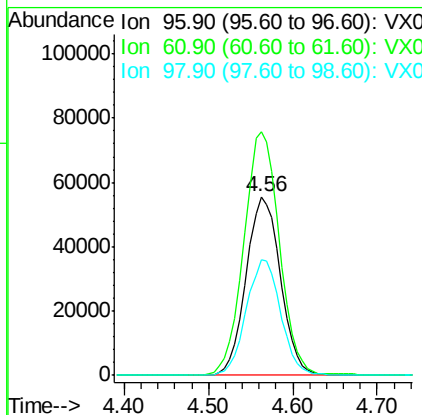
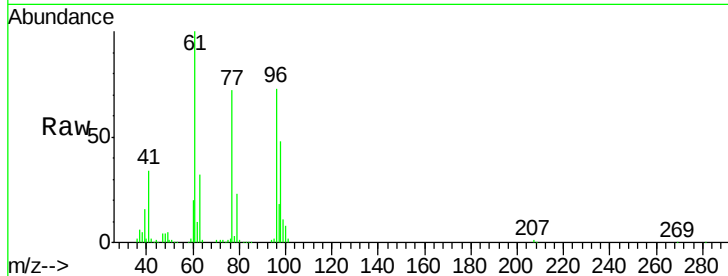
cis-1,2-Dichloroethene
Concen: 52.698 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	154161		
61	140.7	0.0	284.6	
98	64.8	0.0	127.2	

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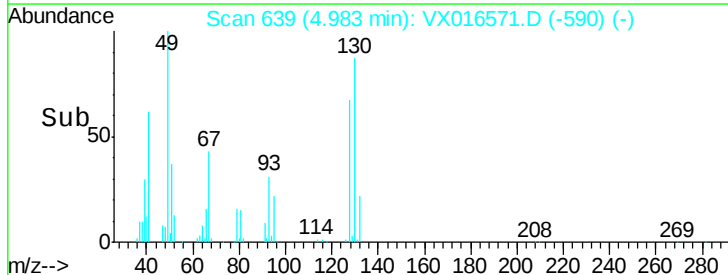
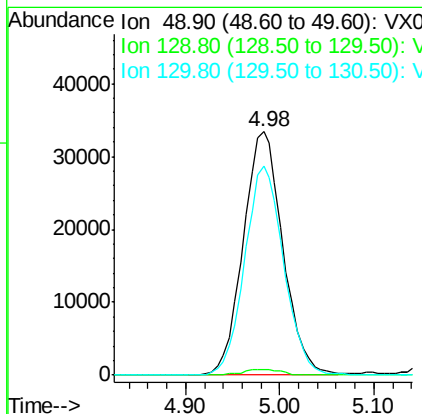
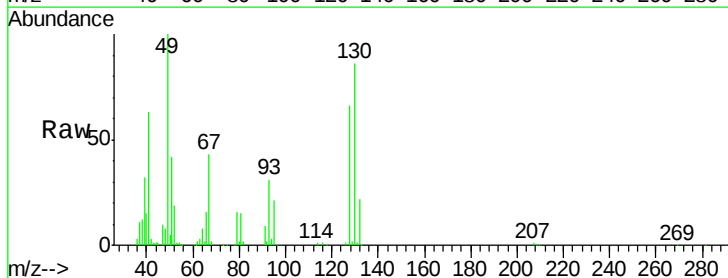
MMDadoda
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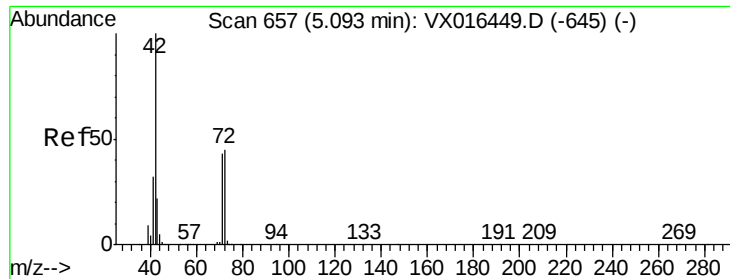


#28

Bromochloromethane
Concen: 46.518 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	98541		
129	2.4	0.0	4.0	
130	84.6	63.0	94.4	





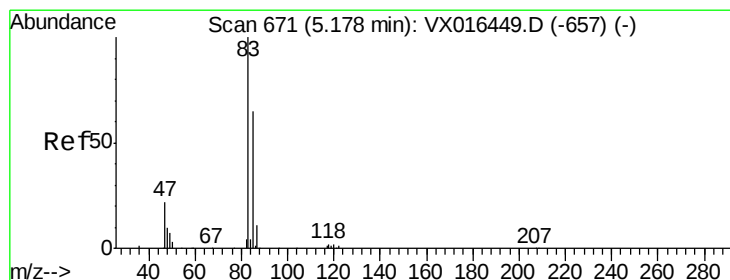
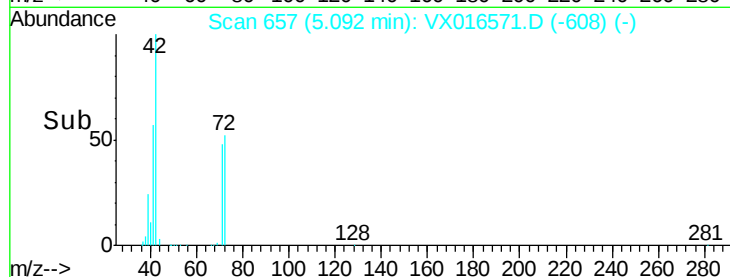
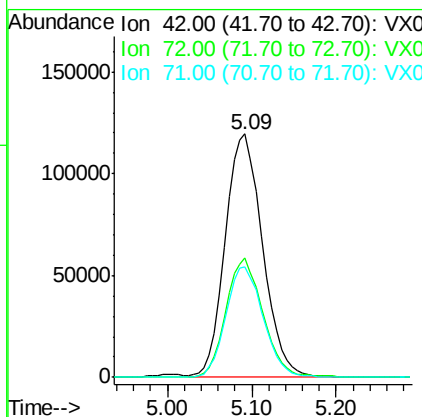
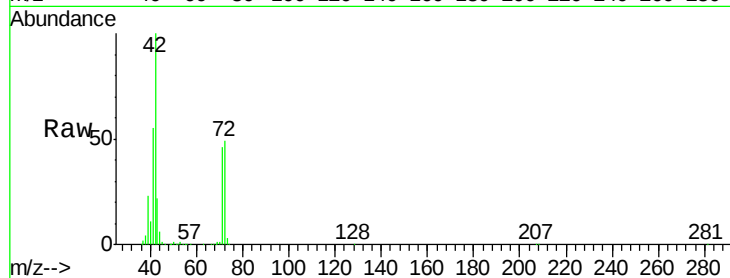
#29
Tetrahydrofuran
Concen: 253.900 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.7	37.0	55.4
71	45.6	34.1	51.1

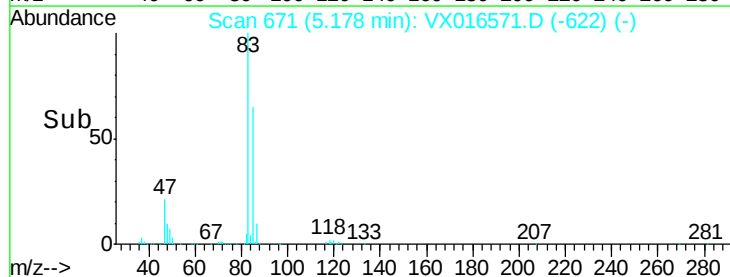
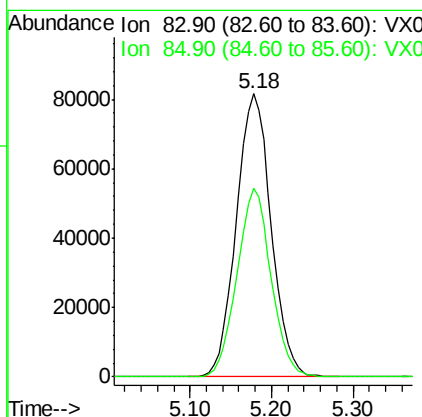
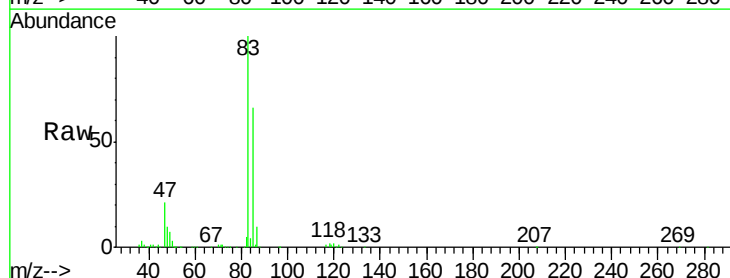
Manual Integrations
APPROVED

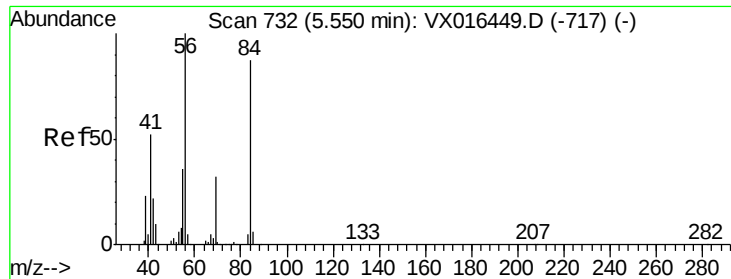
MMDadoda
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#30
Chloroform
Concen: 52.630 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.0	78.0





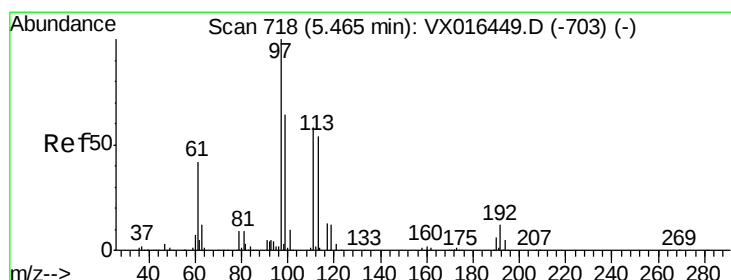
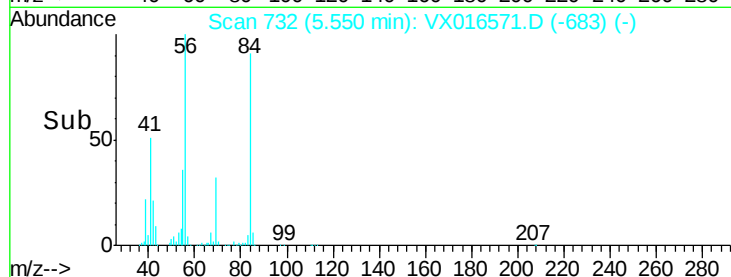
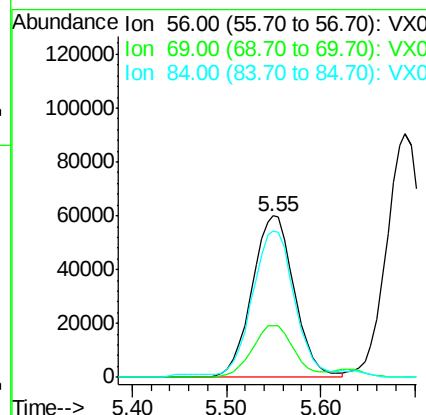
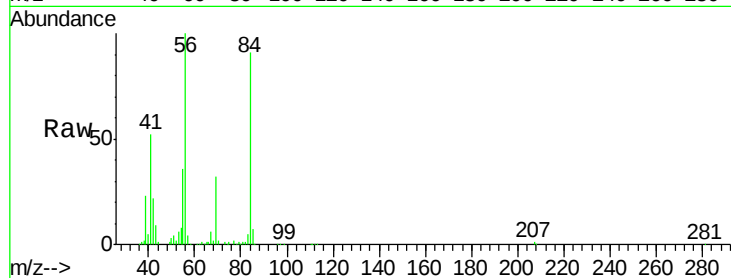
#31
Cyclohexane
Concen: 45.917 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.8	25.7	38.5	
84	88.9	70.0	105.0	

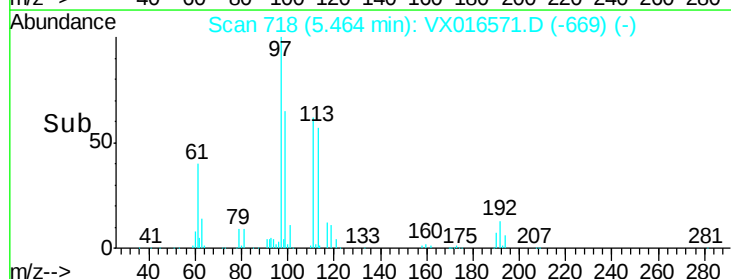
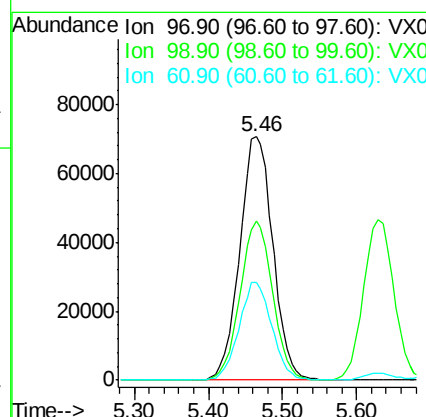
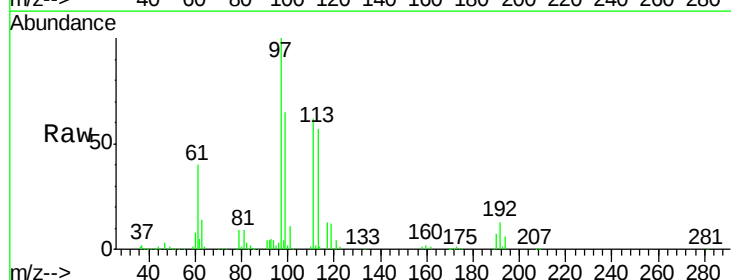
Manual Integrations
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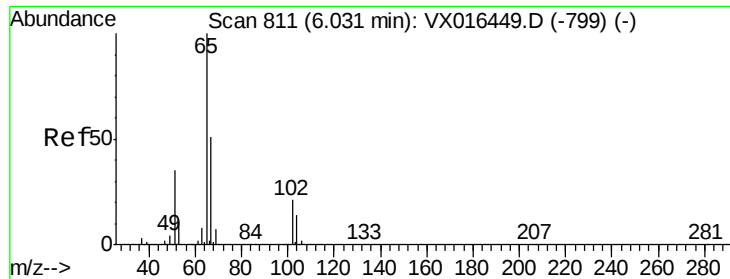
MMDadoda
6/4/2020 3:07:35 PM



#32
1,1,1-Trichloroethane
Concen: 52.862 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	51.4	77.2	
61	39.9	33.5	50.3	





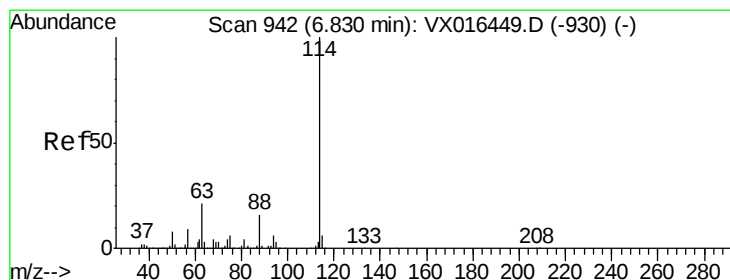
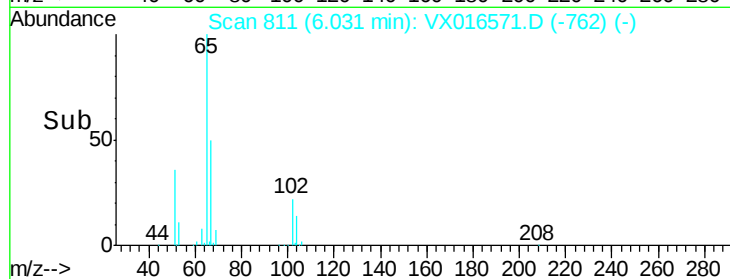
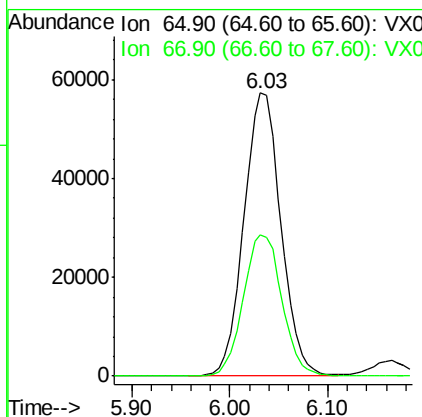
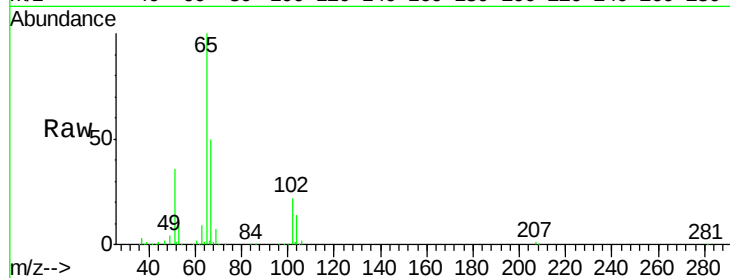
#33
 1,2-Dichloroethane-d4
 Concen: 51.069 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.8

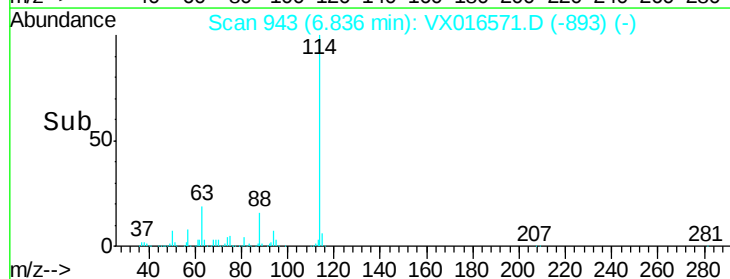
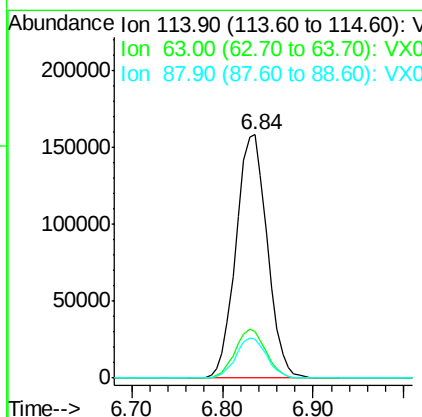
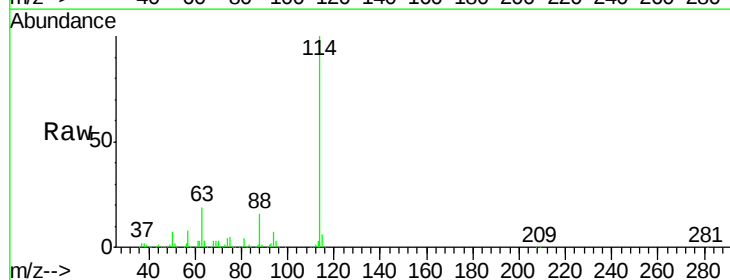
Manual Integrations
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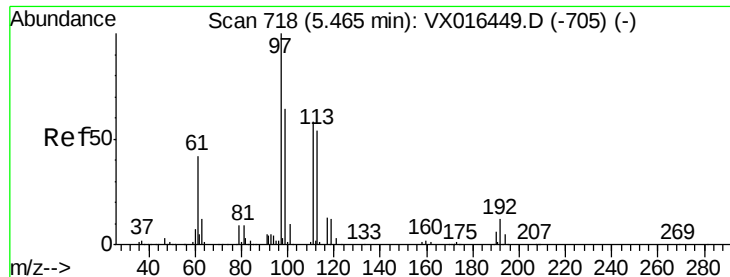
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	42.6
88	15.9	0.0	32.8





#35

Dibromofluoromethane

Concen: 50.862 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

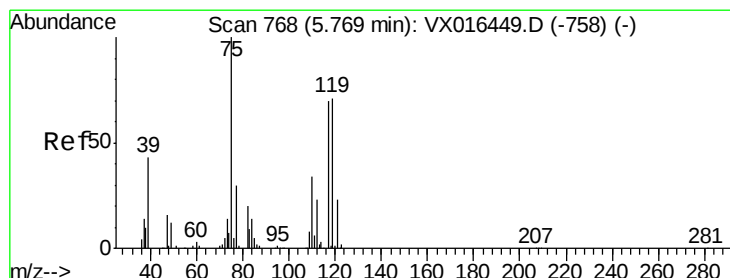
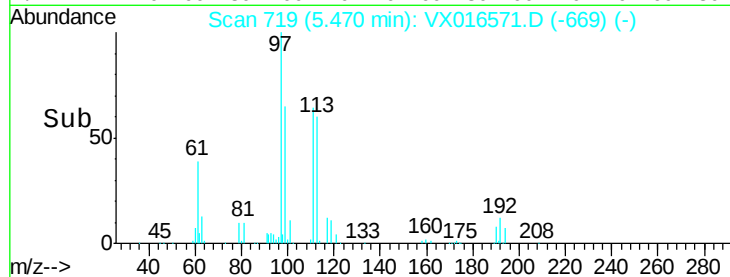
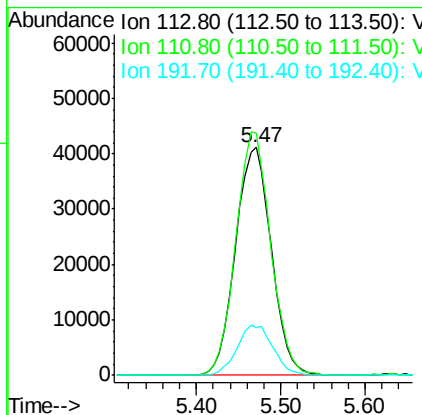
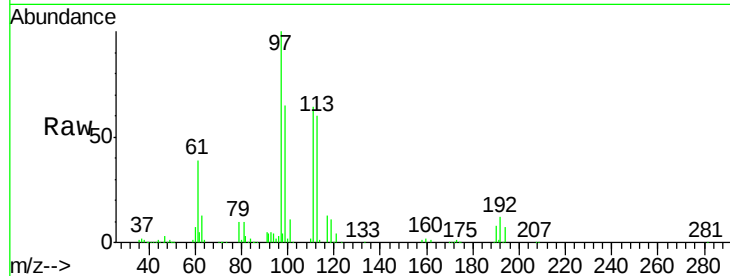
ClientSampleId :

SP20-MMW3414MS

Tot Ion:	113	Resp:	118528
Ion Ratio	Lower	Upper	
113	100		
111	103.9	83.0	124.6
192	22.1	17.7	26.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.366 ug/l

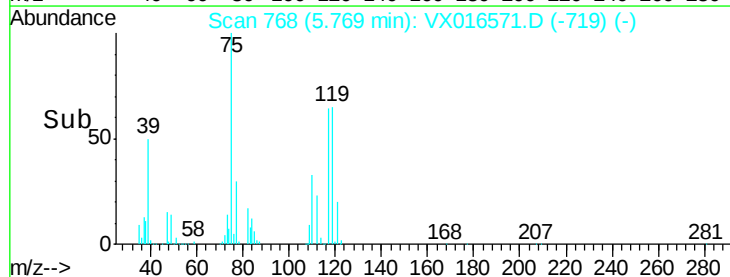
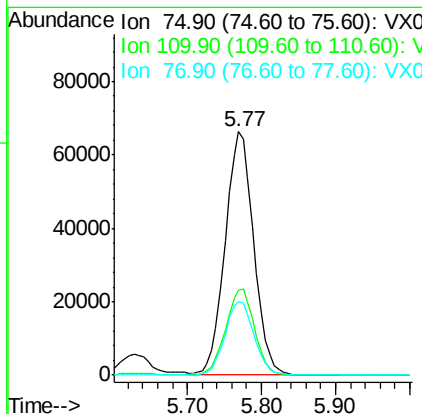
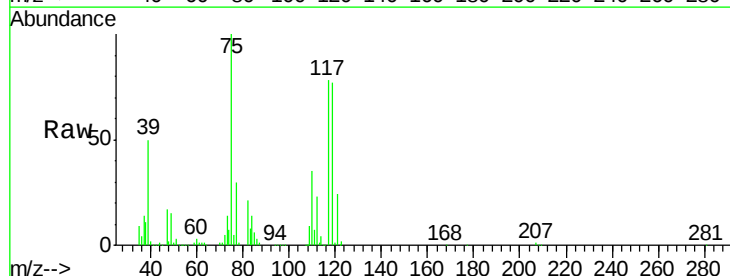
RT: 5.77 min Scan# 768

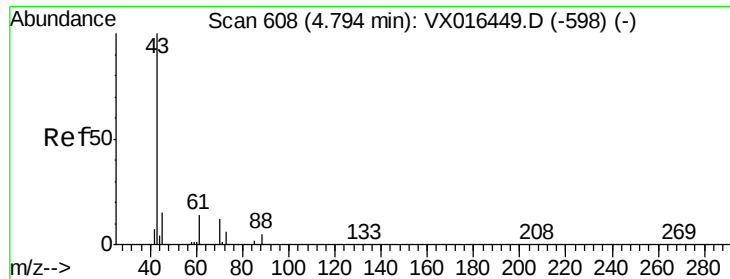
Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Tgt Ion:	75	Resp:	176895
Ion Ratio	Lower	Upper	
75	100		
110	35.7	17.4	52.3
77	31.5	24.2	36.4





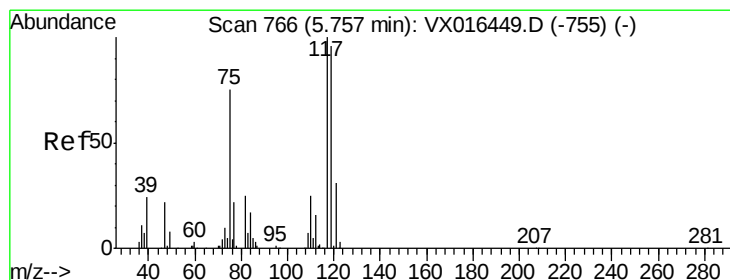
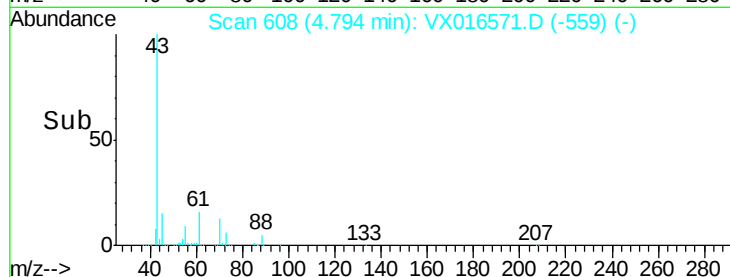
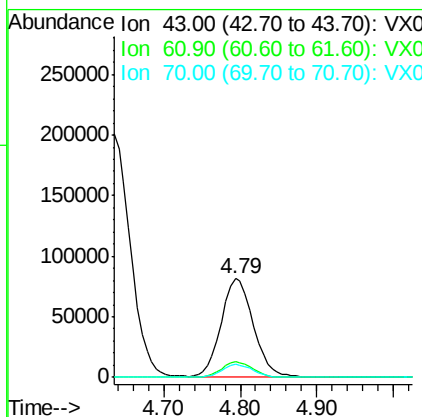
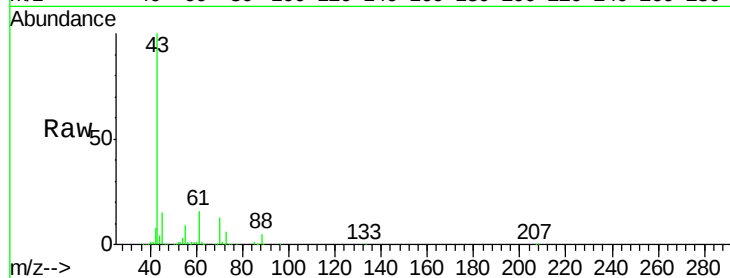
#37
Ethyl Acetate
Concen: 55.198 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.3	16.9
70	12.4	9.3	13.9

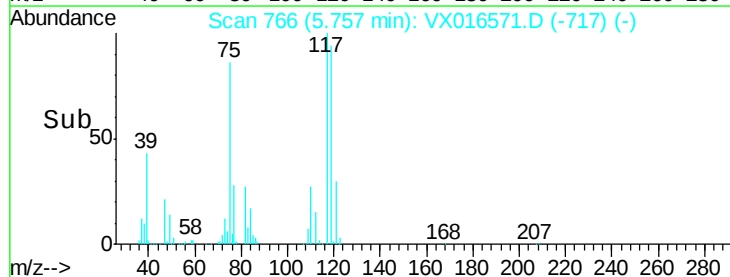
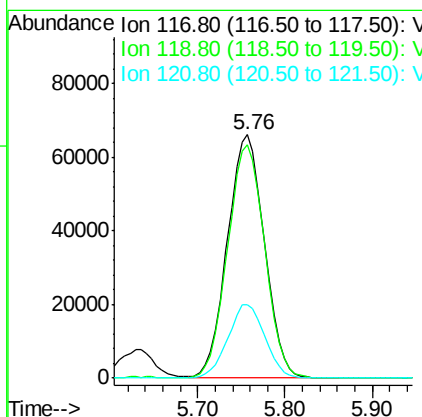
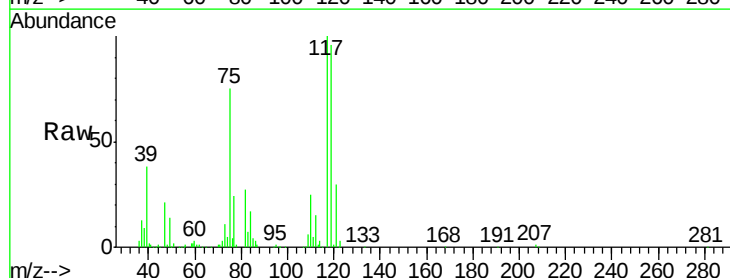
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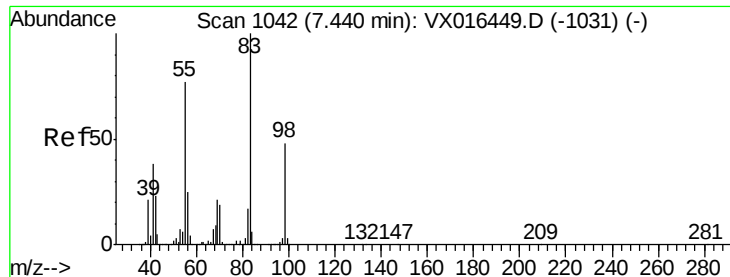
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#38
Carbon Tetrachloride
Concen: 51.727 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.3	114.5
121	30.1	24.6	37.0





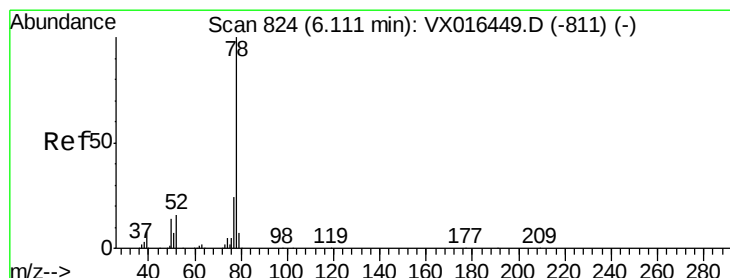
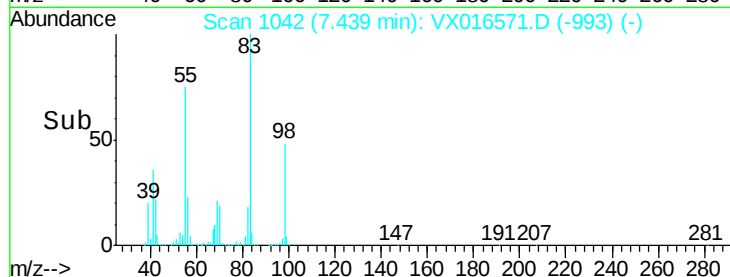
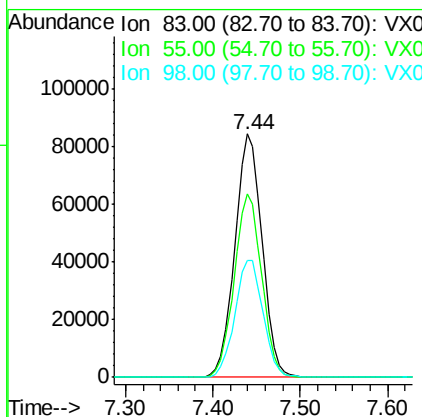
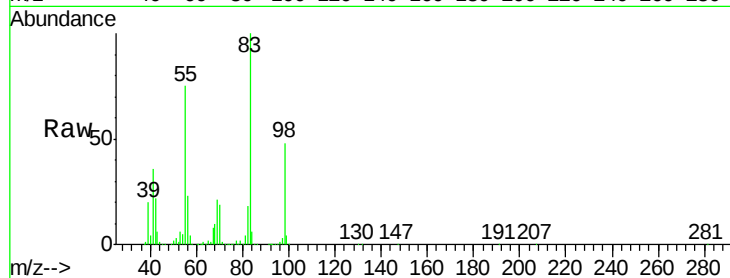
#39
Methvlcvclohexane
Concen: 46.990 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	61.7	92.5
98	48.2	38.7	58.1

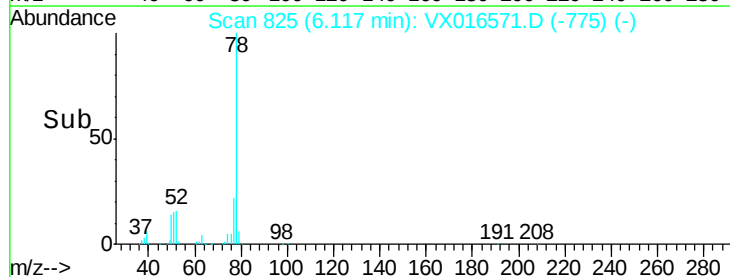
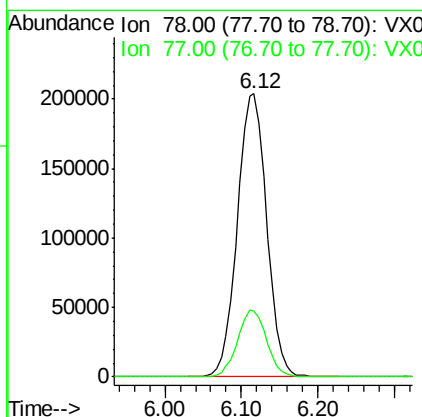
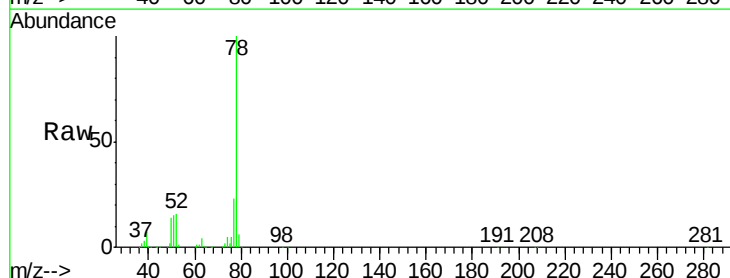
Manual Integrations
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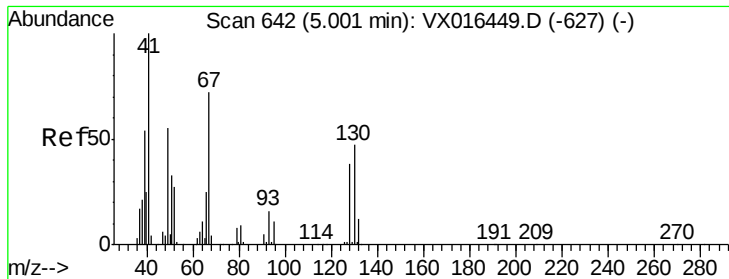
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#40
Benzene
Concen: 50.768 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3





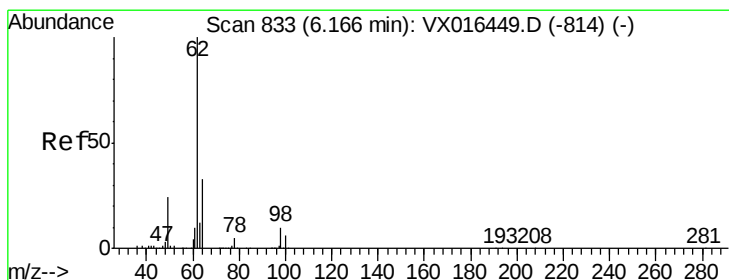
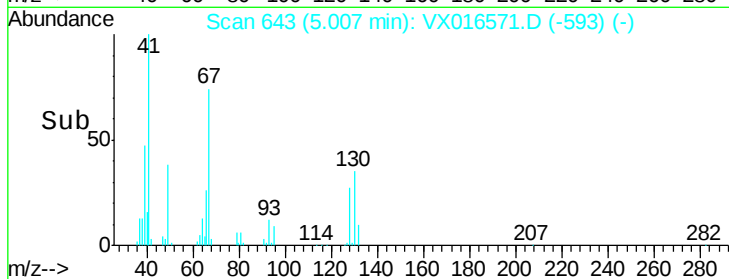
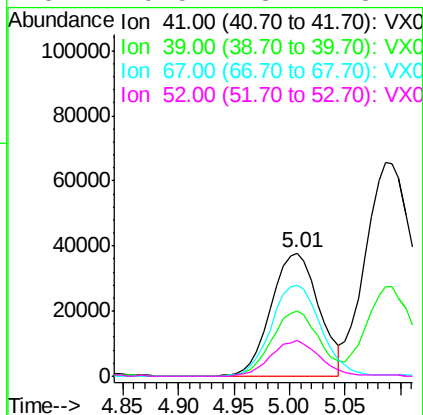
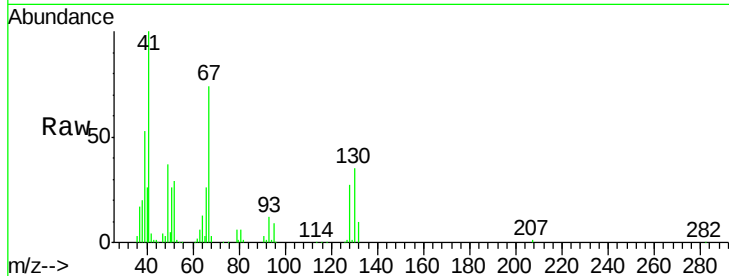
#41
Methacrylonitrile
Concen: 47.984 ug/l
RT: 5.01 min Scan# 643
Delta R.T. 0.01 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.6	43.0	64.4	
67	77.2	58.9	88.3	
52	29.5	23.1	34.7	

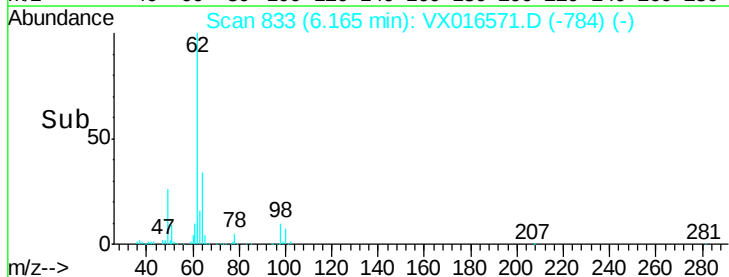
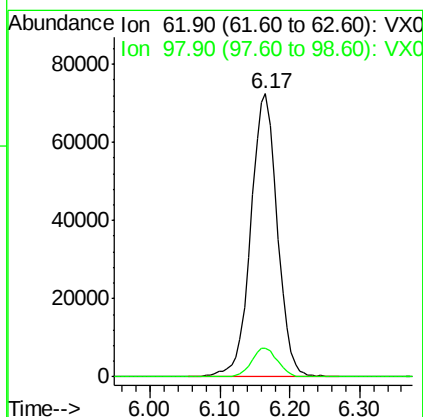
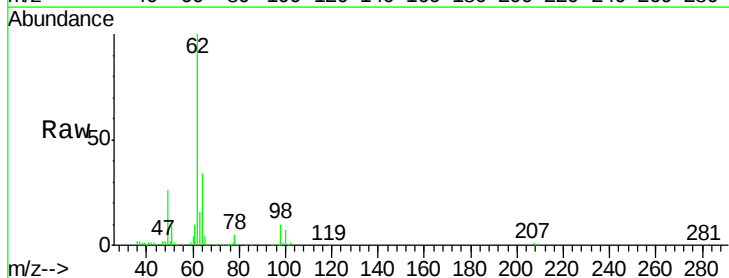
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 50.337 ug/l
RT: 6.17 min Scan# 833
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	19.8	





#43

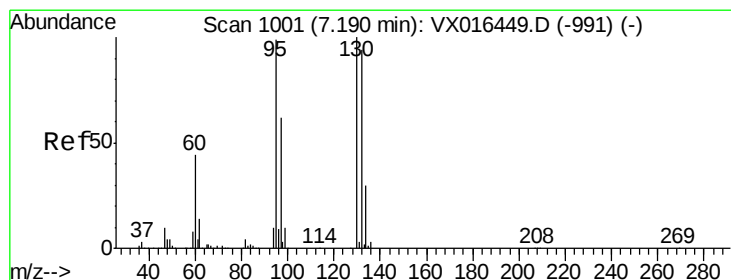
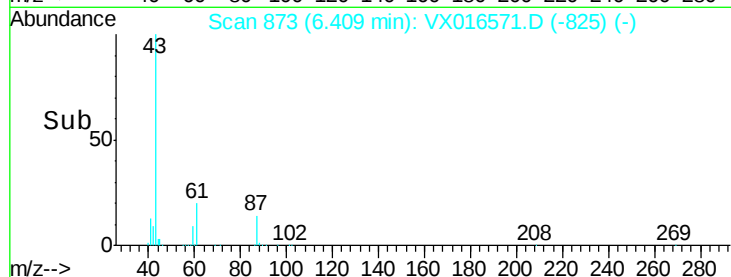
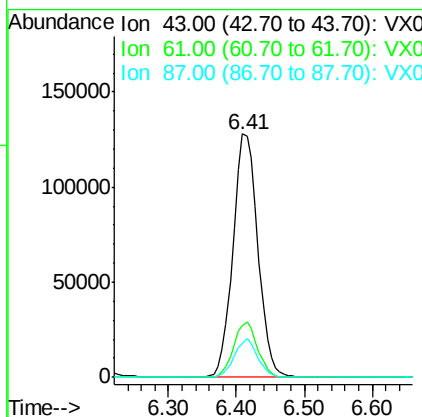
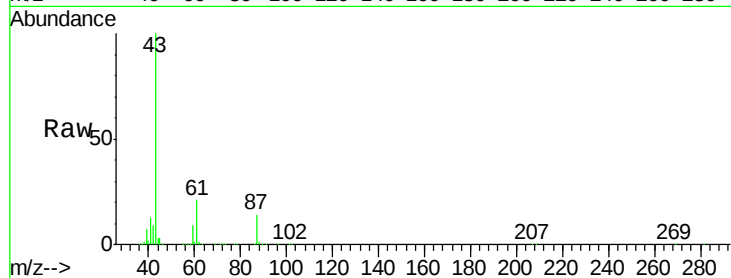
Isopropyl Acetate
 Concen: 48.166 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	16.8	25.2
87	14.8	11.2	16.8

Manual Integrations
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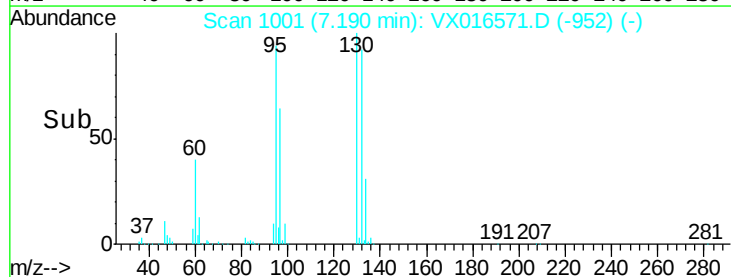
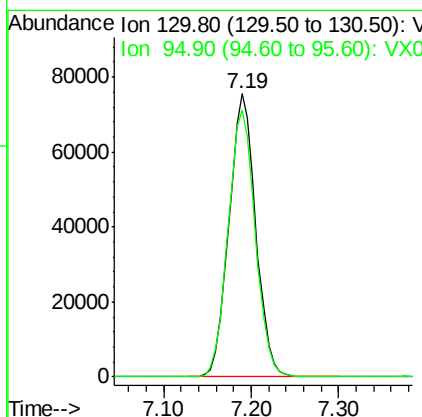
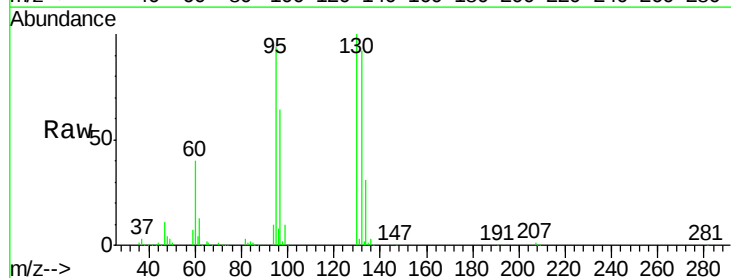
MMDadoda
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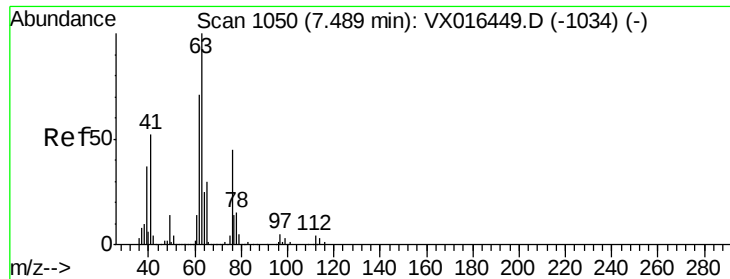


#44

Trichloroethene
 Concen: 47.364 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	198.2





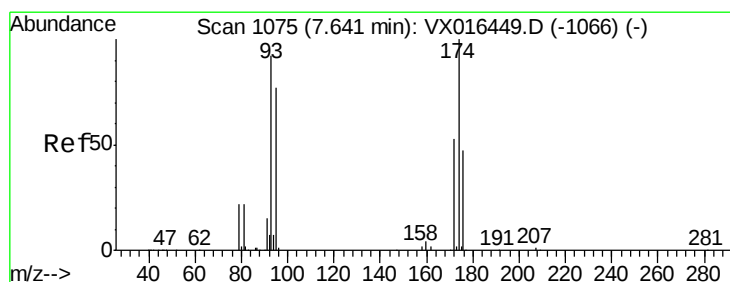
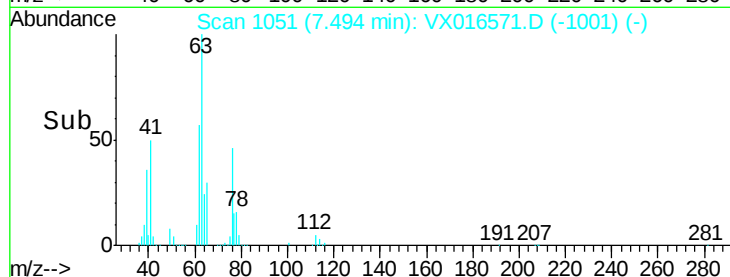
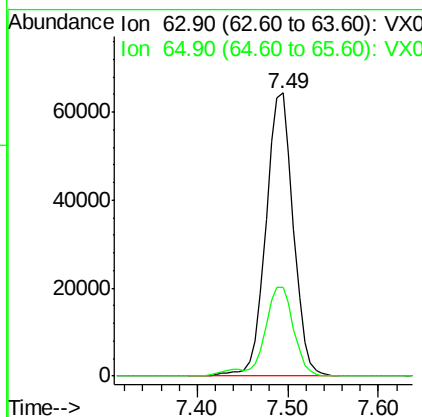
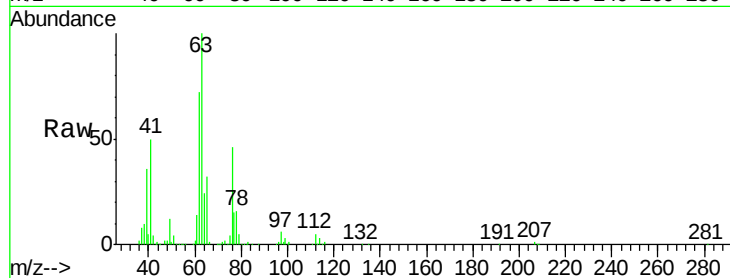
#45
 1,2-Dichloropropane
 Concen: 49.497 ug/l
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.2	36.2

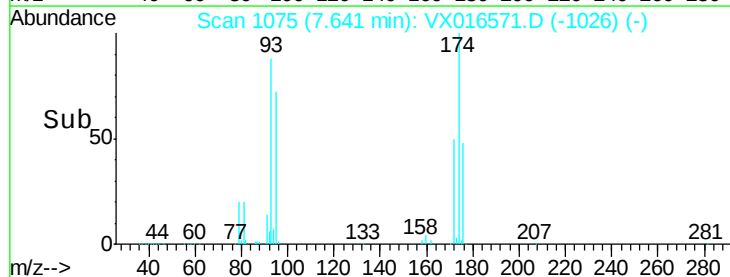
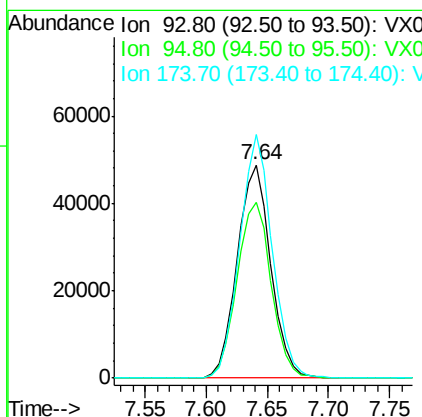
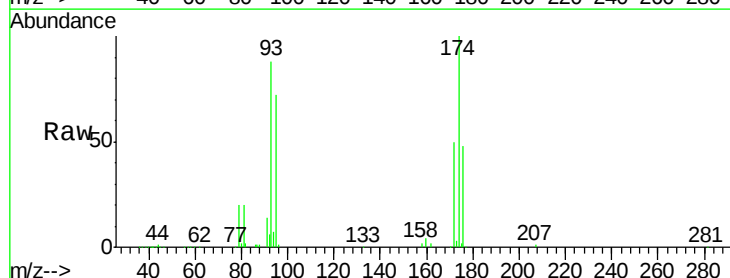
Manual Integrations
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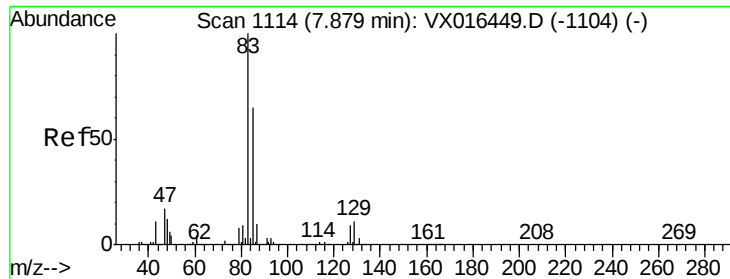
MMDadoda
 6/4/2020 3:07:35 PM



#46
 Dibromomethane
 Concen: 50.969 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.6	100.0
174	111.1	86.2	129.4





#47

Bromodichloromethane

Concen: 52.068 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

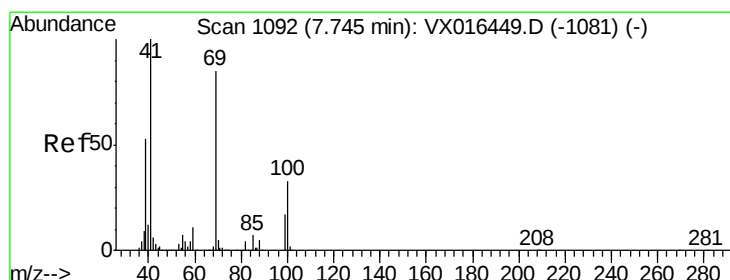
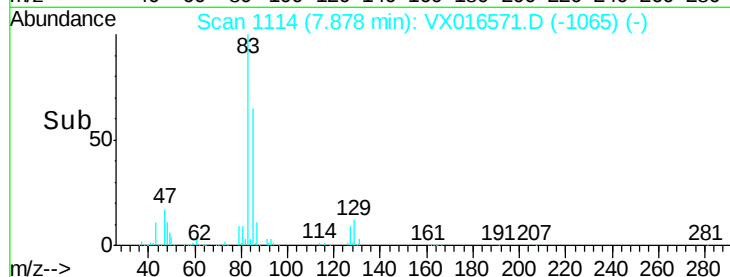
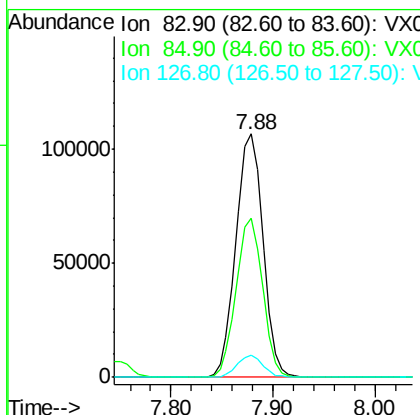
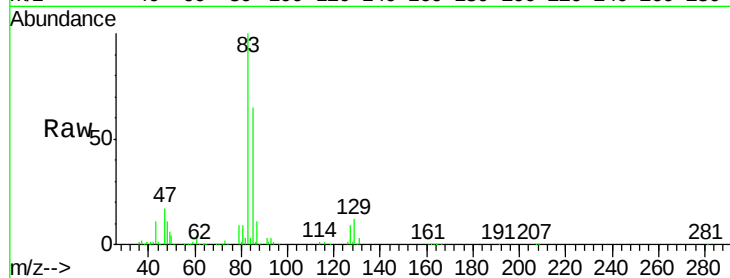
ClientSampleId :

SP20-MMW3414MS

Tot Ion:	83	Resp:	196720
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.0	78.0
127	9.2	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.875 ug/l

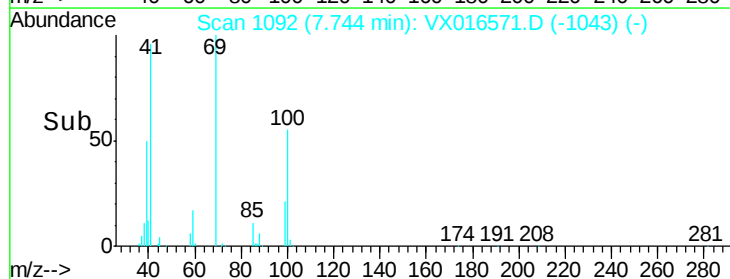
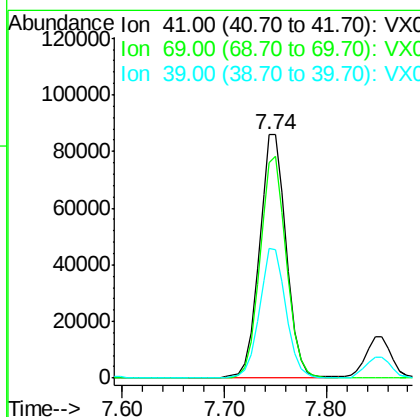
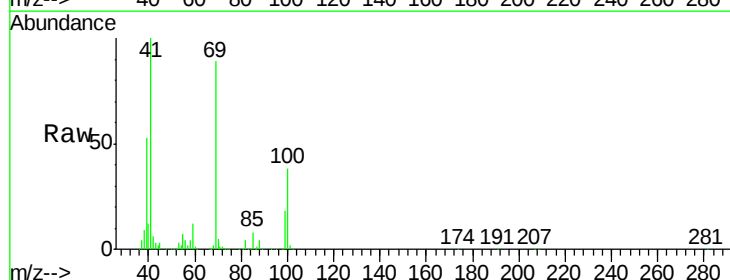
RT: 7.74 min Scan# 1092

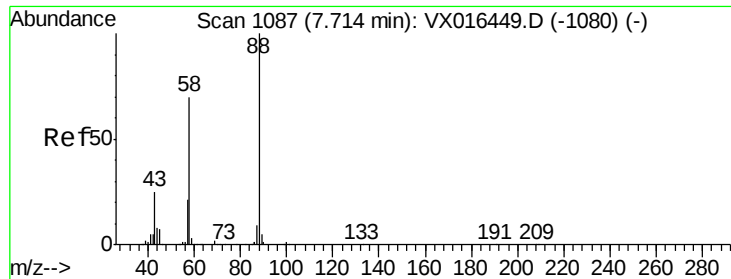
Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Tgt Ion:	41	Resp:	157035
Ion	Ratio	Lower	Upper
41	100		
69	89.7	68.6	102.8
39	52.6	42.4	63.6





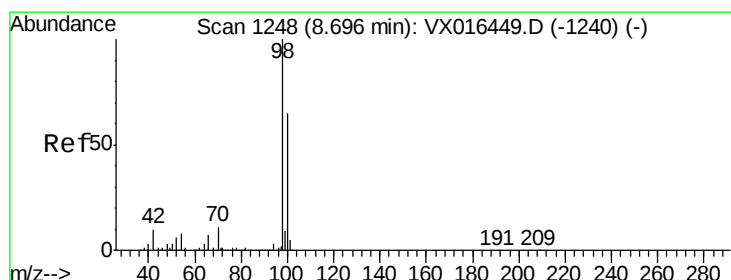
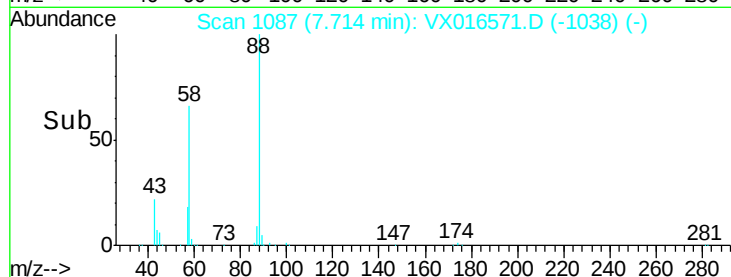
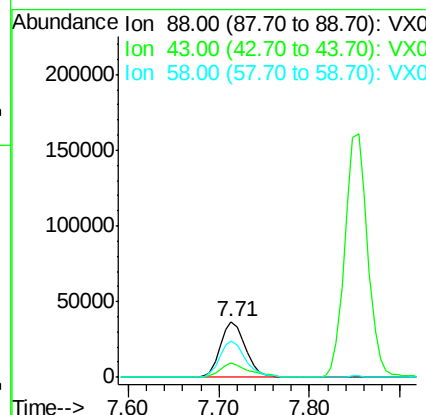
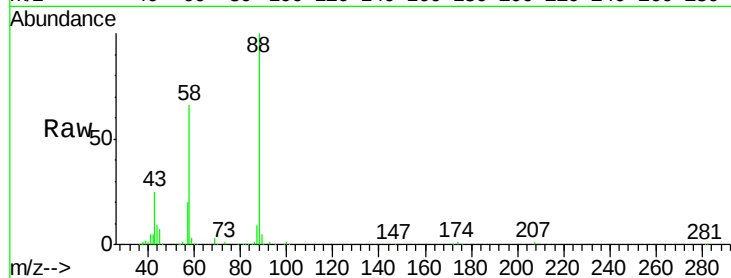
#49
1,4-Dioxane
Concen: 947.805 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.5	24.2	36.4
58	68.1	56.5	84.7

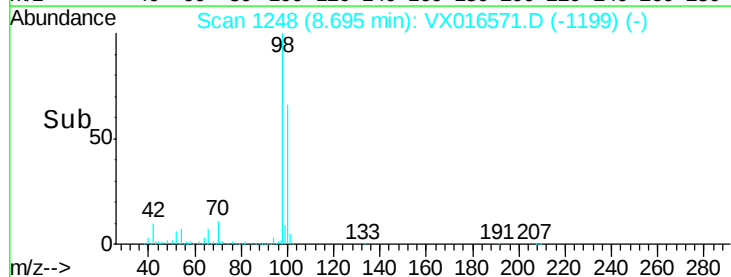
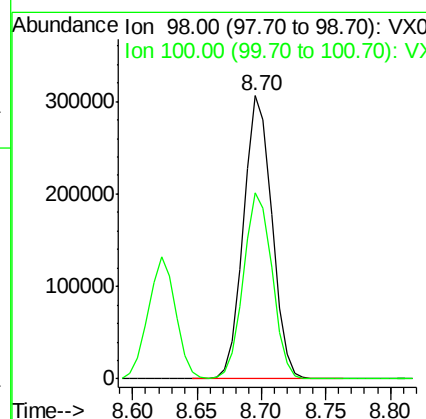
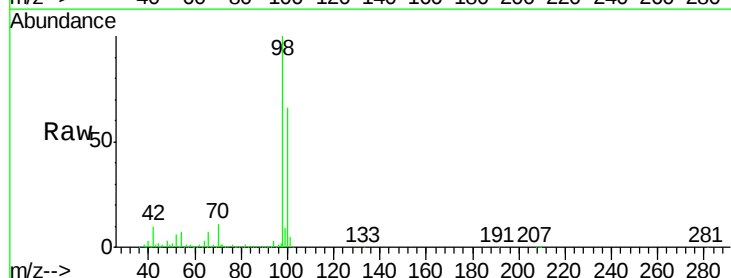
Manual Integrations
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#50
Toluene-d8
Concen: 51.411 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 253.400 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion: 43 Resp: 1058807

Ion Ratio Lower Upper

43 100

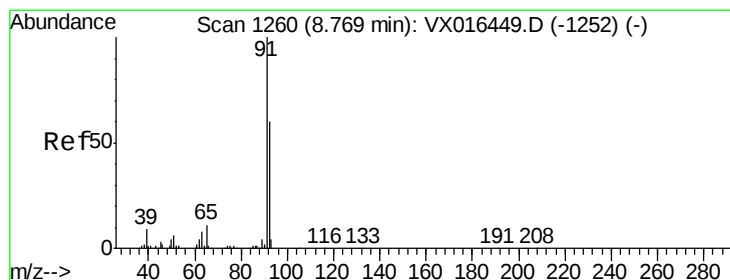
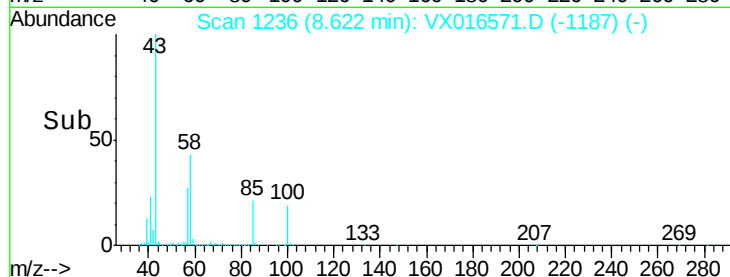
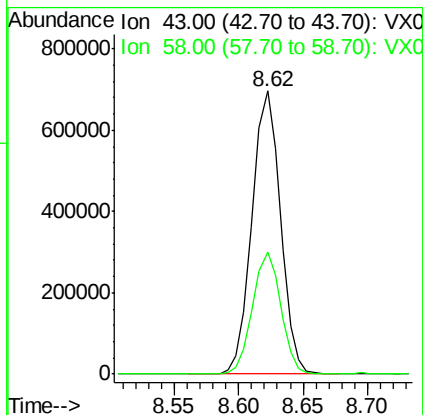
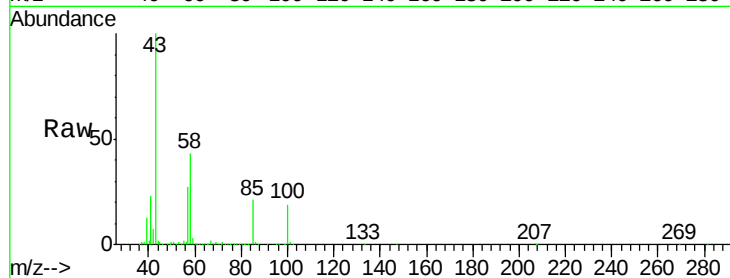
58 42.6 33.0 49.6

Manual Integrations

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#52

Toluene

Concen: 51.421 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016571.D

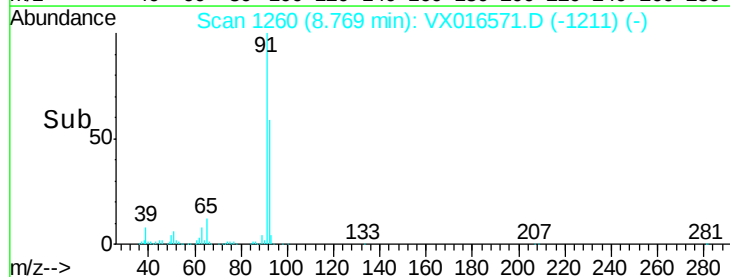
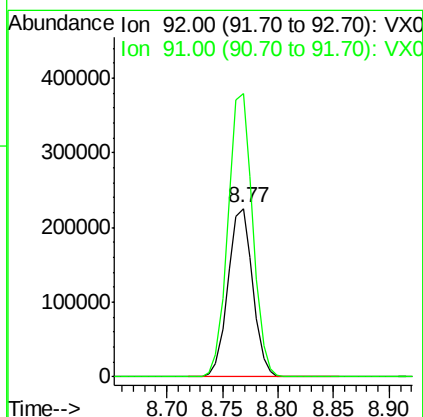
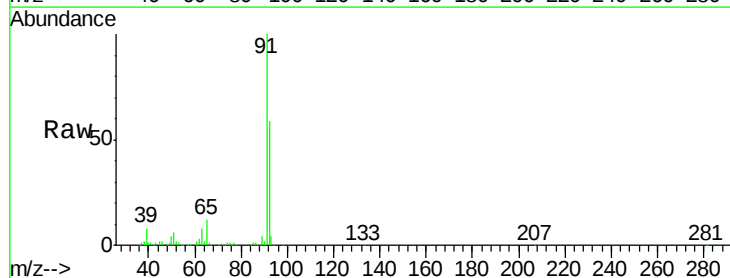
Acq: 03 Jun 2020 17:06

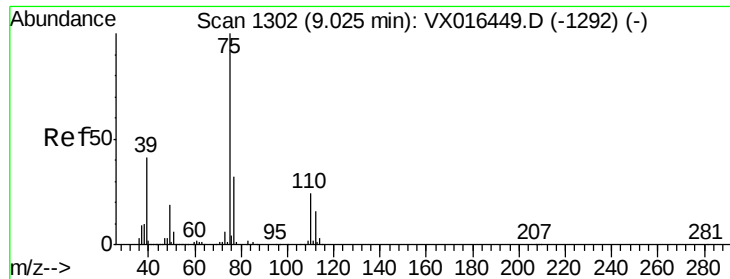
Tgt Ion: 92 Resp: 346018

Ion Ratio Lower Upper

92 100

91 168.0 135.0 202.4





#53

t-1,3-Dichloropropene

Concen: 52.005 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion: 75 Resp: 223419

Ion Ratio Lower Upper

75 100

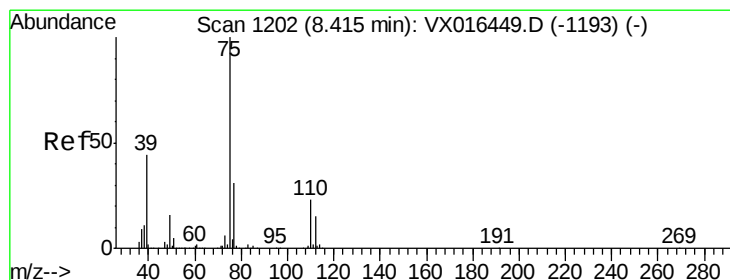
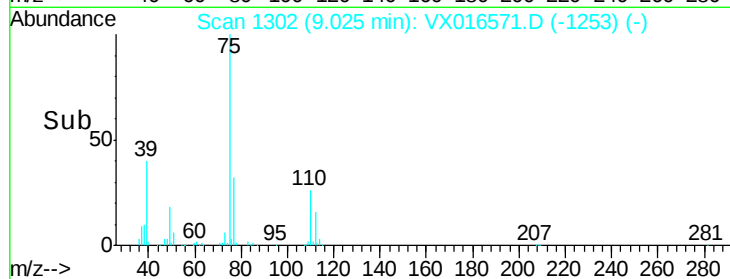
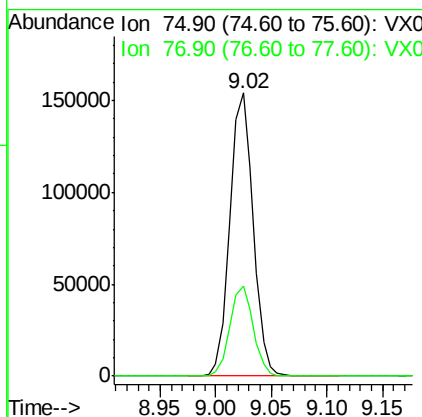
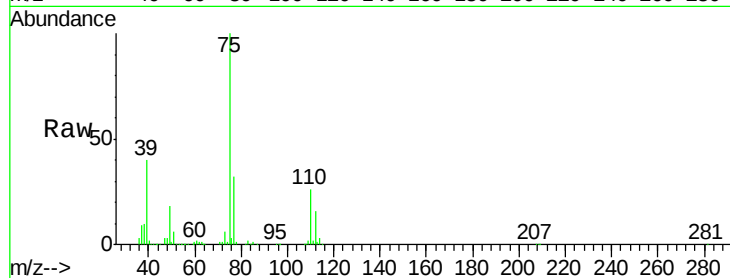
77 32.0 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.990 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

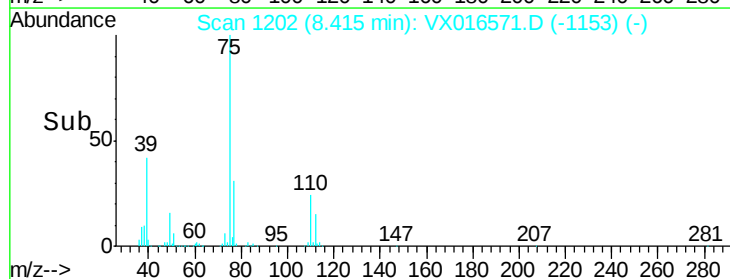
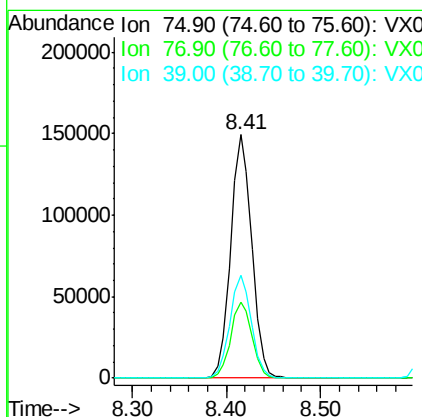
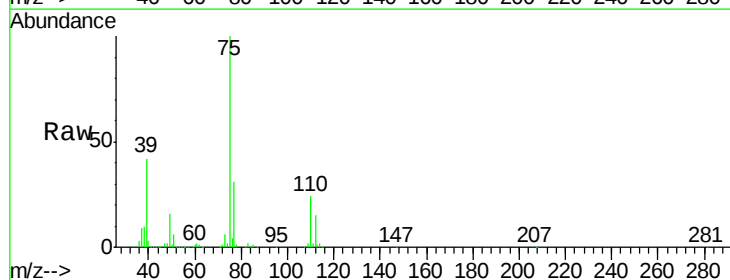
Tgt Ion: 75 Resp: 231867

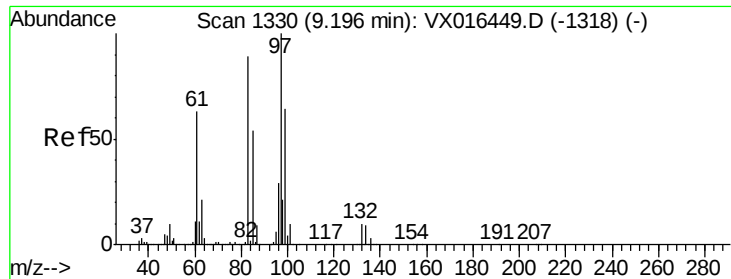
Ion Ratio Lower Upper

75 100

77 31.1 24.6 36.8

39 42.1 35.3 52.9





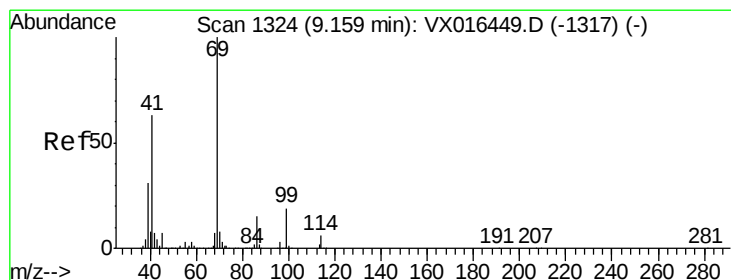
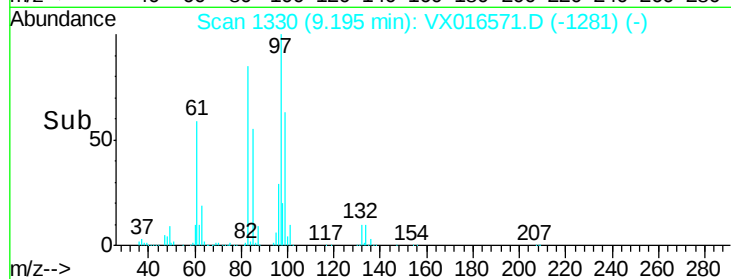
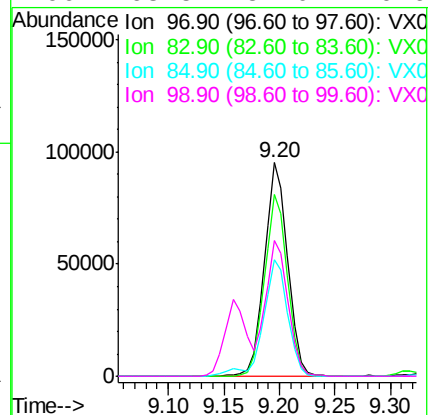
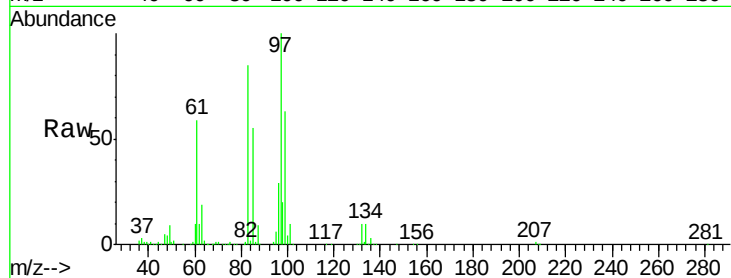
#55
 1,1,2-Trichloroethane
 Concen: 52.011 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		139155		
83	85.2	70.9	106.3		
85	54.7	43.4	65.2		
99	63.5	51.0	76.6		

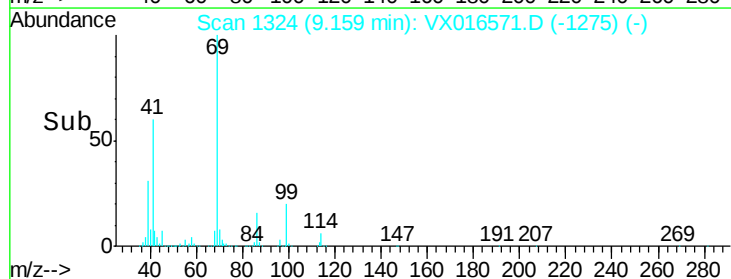
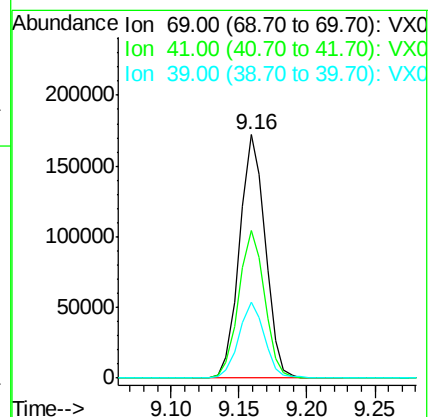
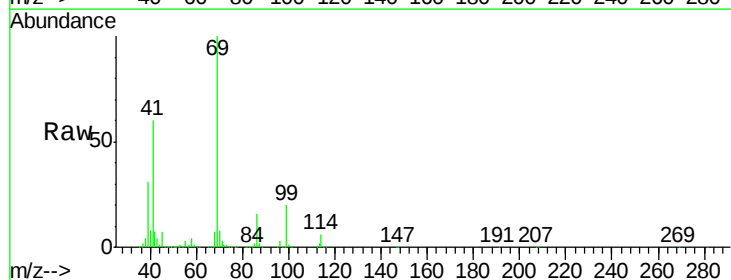
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 52.193 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		227424		
41	61.0	50.7	76.1		
39	31.1	25.8	38.6		





#57

1,3-Dichloropropane

Concen: 51.539 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016571.D

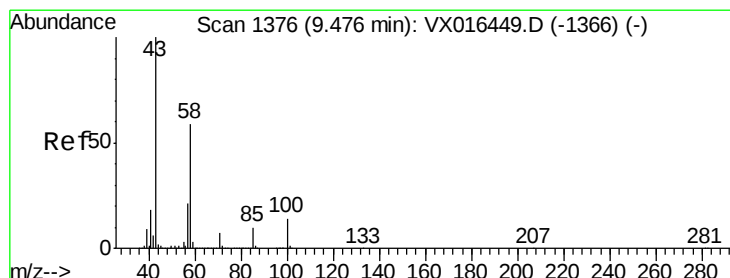
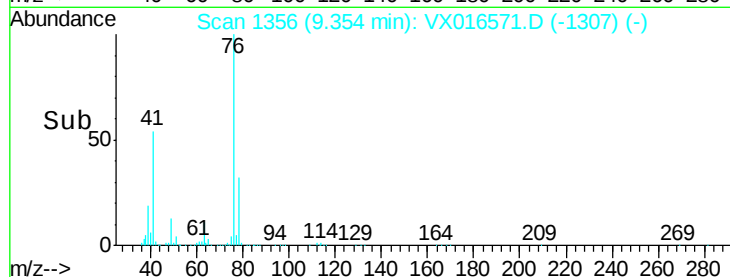
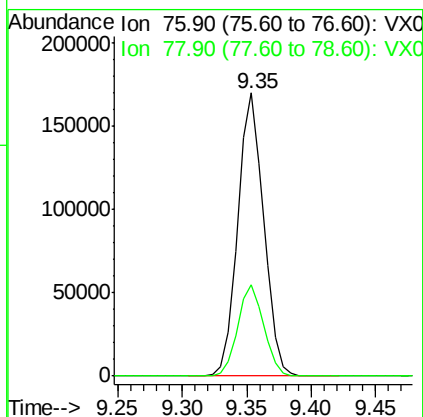
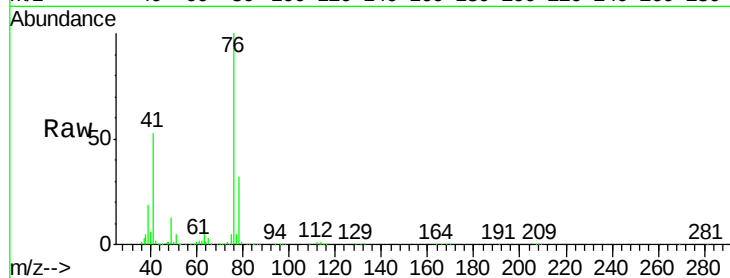
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

Manual Integrations
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#59

2-Hexanone

Concen: 255.312 ug/l

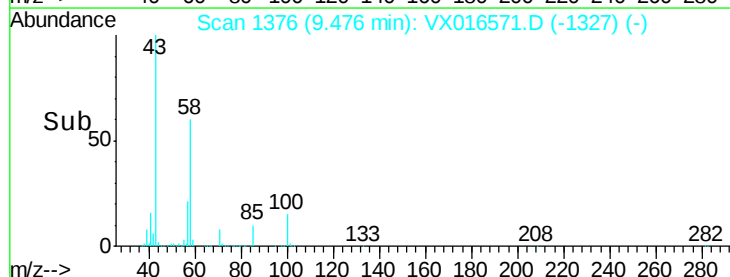
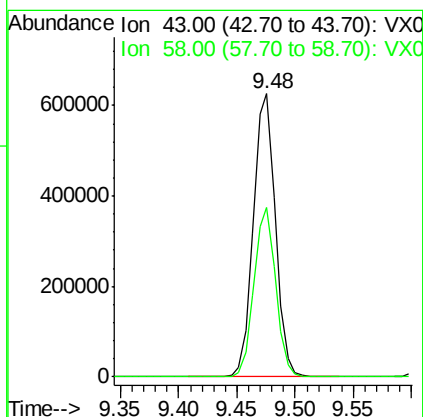
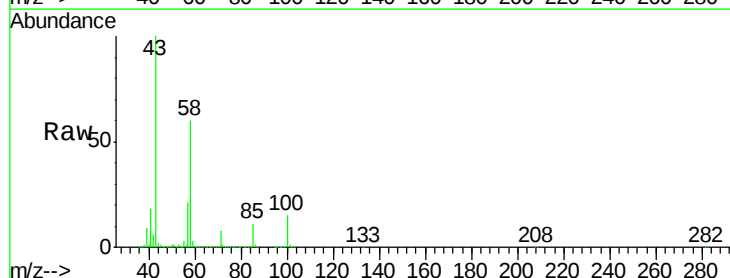
RT: 9.48 min Scan# 1376

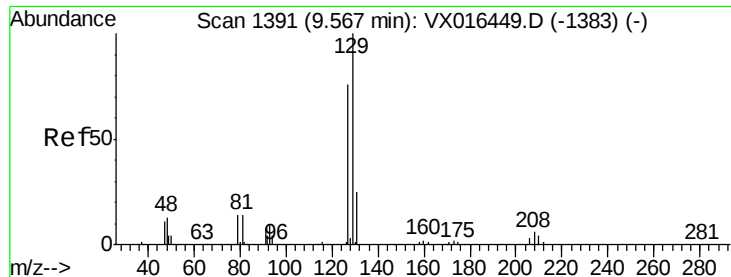
Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	59.3	28.8	86.4





#60

Dibromochloromethane

Concen: 53.373 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion:129 Resp: 160702

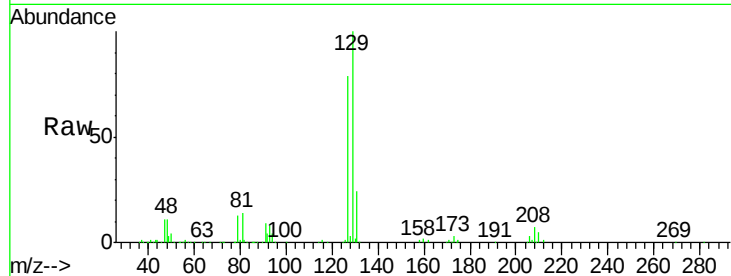
Ion Ratio Lower Upper

129 100

127 77.9 38.6 116.0

Manual Integrations
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

120000

100000

80000

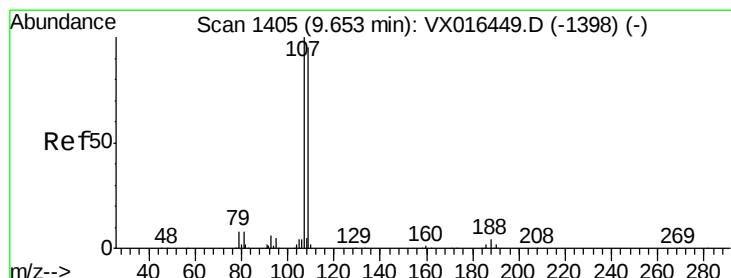
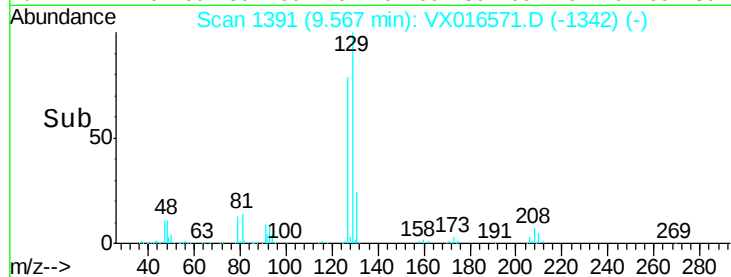
60000

40000

20000

0

Time--> 9.50 9.55 9.60 9.65



#61

1,2-Dibromoethane

Concen: 52.427 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016571.D

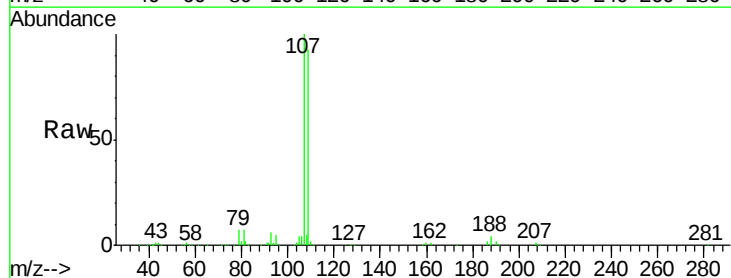
Acq: 03 Jun 2020 17:06

Tgt Ion:107 Resp: 150207

Ion Ratio Lower Upper

107 100

109 94.5 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

120000

100000

80000

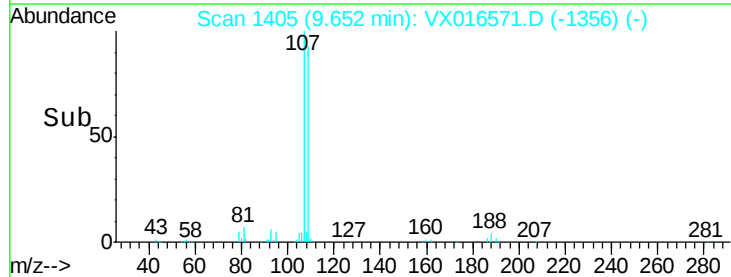
60000

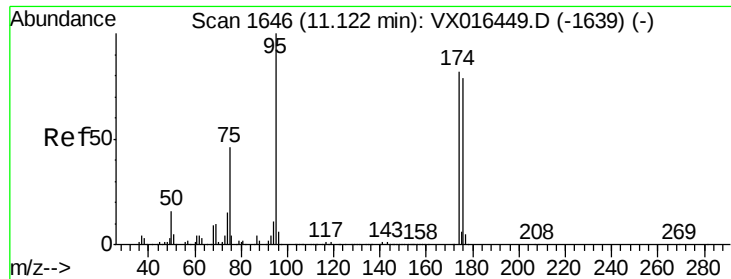
40000

20000

0

Time--> 9.55 9.60 9.65 9.70 9.75





#62

4-Bromofluorobenzene

Concen: 51.361 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

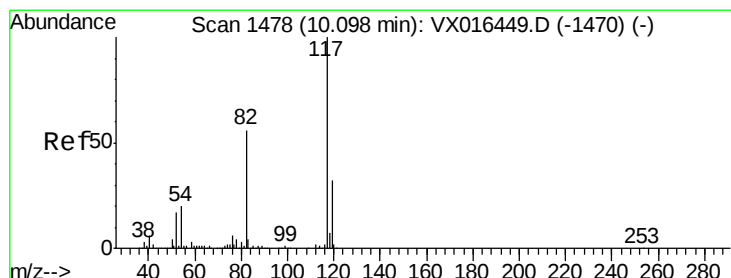
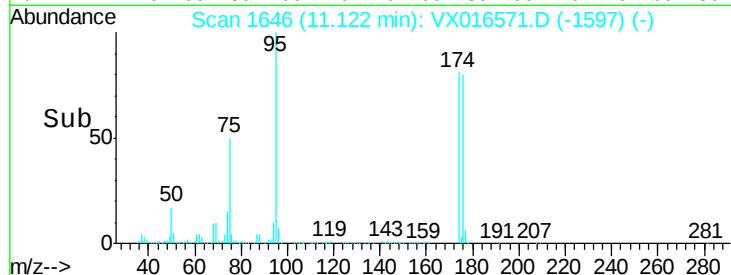
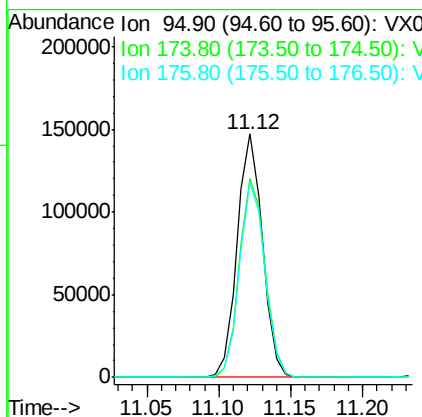
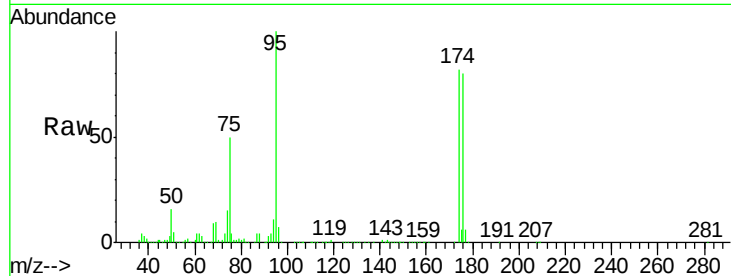
ClientSampleId :

SP20-MMW3414MS

Tot Ion:	95	Resp:	180009
Ion Ratio	Lower	Upper	
95	100		
174	83.2	0.0	163.0
176	80.6	0.0	156.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

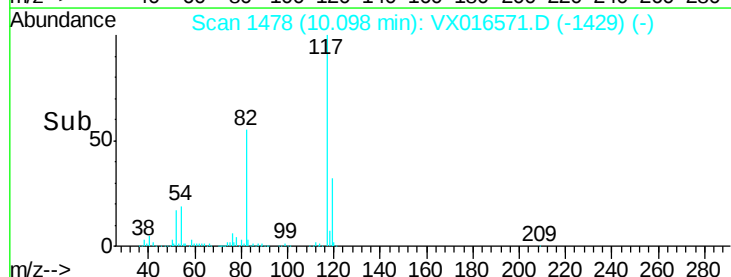
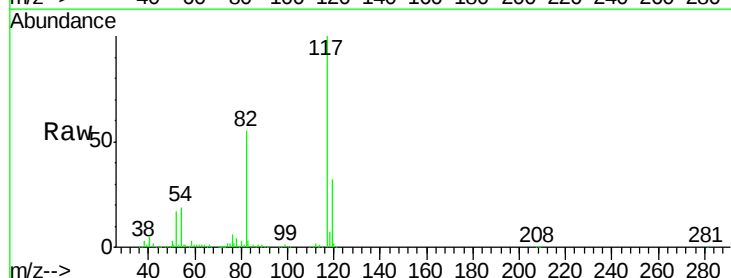
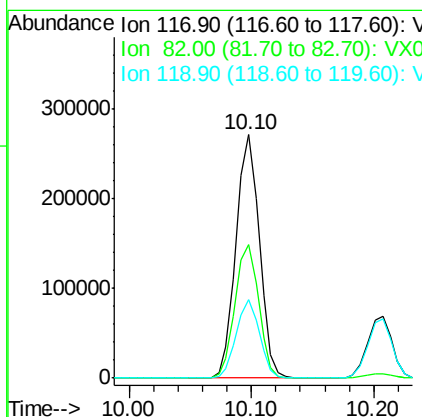
RT: 10.10 min Scan# 1478

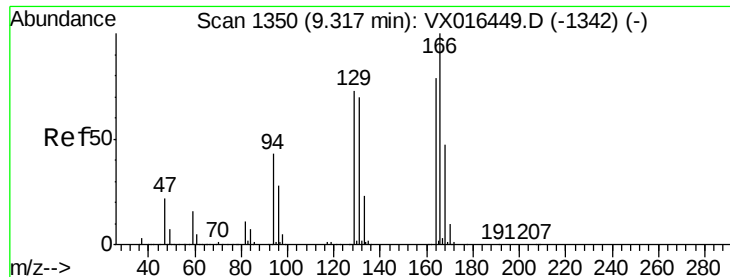
Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Tgt Ion:	117	Resp:	357433
Ion Ratio	Lower	Upper	
117	100		
82	54.9	45.0	67.6
119	32.4	25.8	38.8





#64

Tetrachloroethene

Concen: 42.679 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion:164 Resp: 170671

Ion Ratio Lower Upper

164 100

166 122.5 100.9 151.3

129 89.4 73.2 109.8

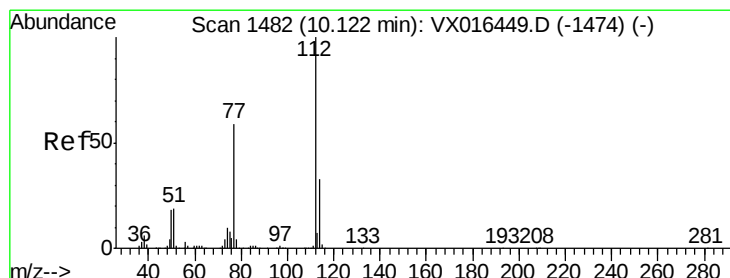
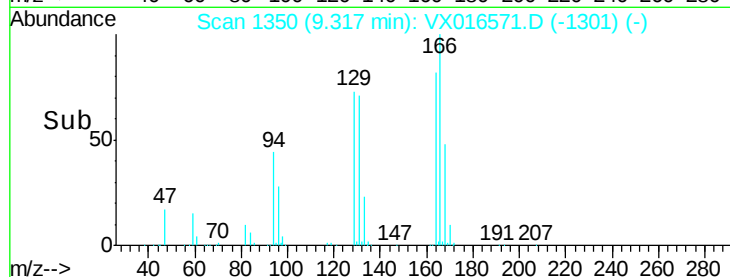
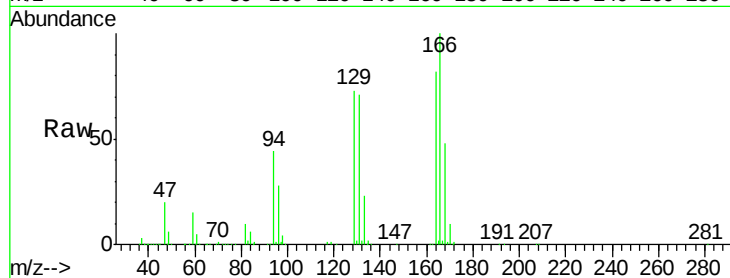
131 87.5 70.8 106.2

Manual Integrations

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#65

Chlorobenzene

Concen: 50.823 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016571.D

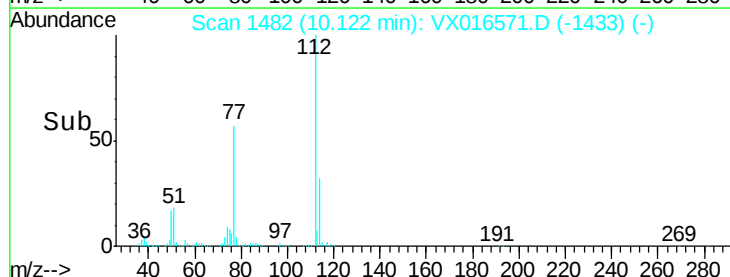
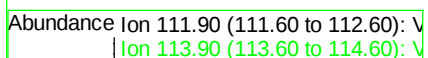
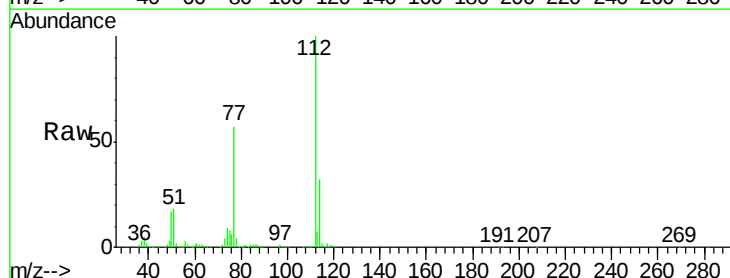
Acq: 03 Jun 2020 17:06

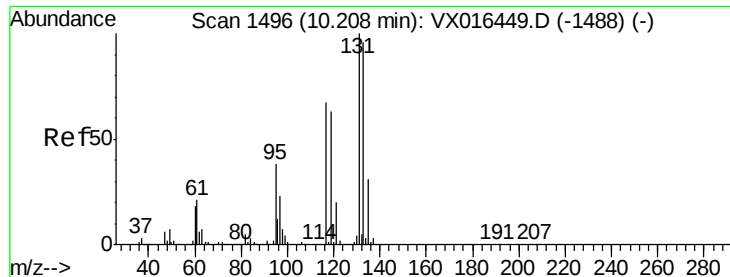
Tgt Ion:112 Resp: 370353

Ion Ratio Lower Upper

112 100

114 32.4 26.0 39.0





#66

1,1,1,2-Tetrachloroethane

Concen: 52.666 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

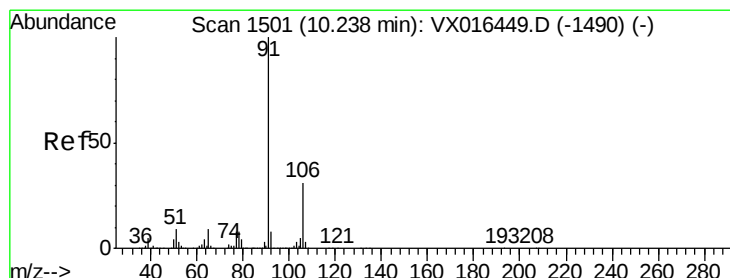
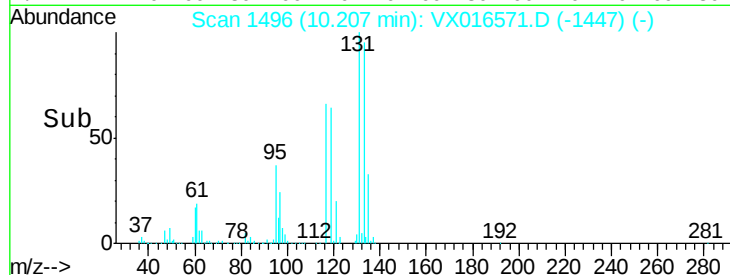
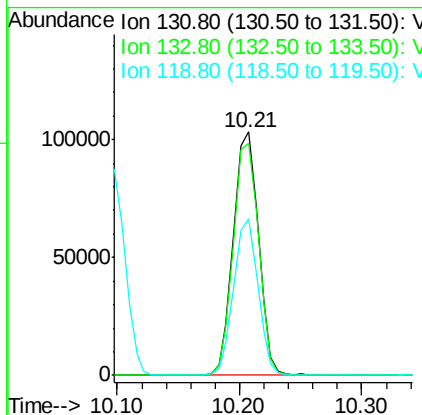
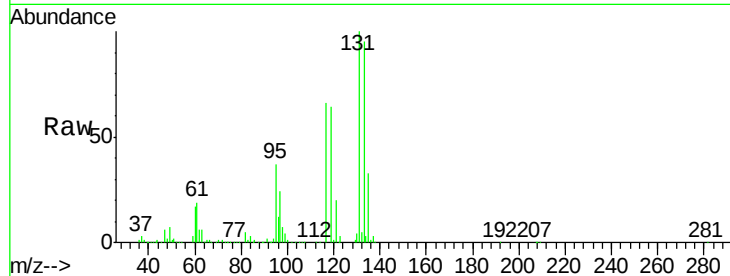
ClientSampleId :

SP20-MMW3414MS

Tot Ion:	131	Resp:	146498
Ion Ratio	Lower	Upper	
131	100		
133	96.7	48.4	145.3
119	62.7	32.0	96.2

Manual Integrations
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#67

Ethyl Benzene

Concen: 50.538 ug/l

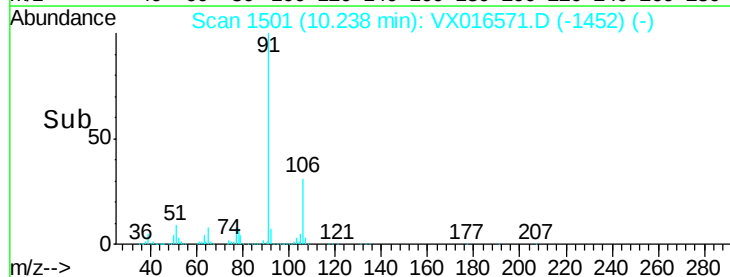
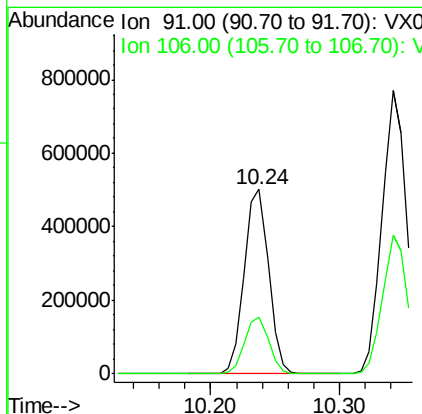
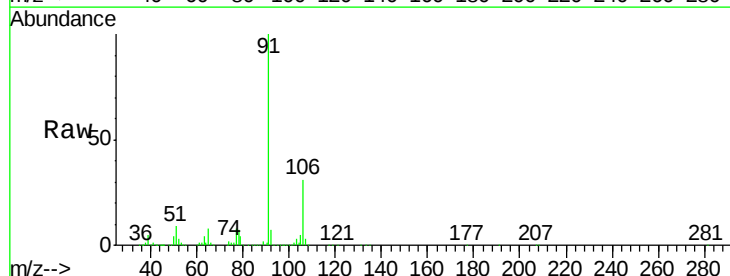
RT: 10.24 min Scan# 1501

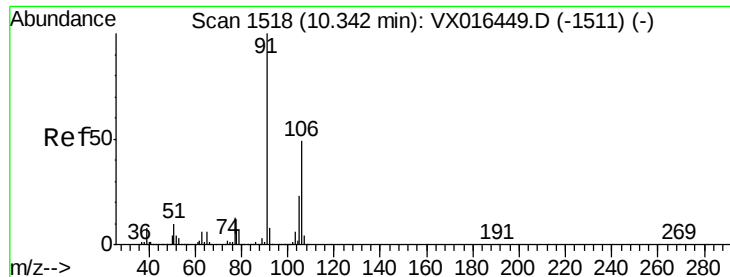
Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Tgt Ion:	91	Resp:	655683
Ion Ratio	Lower	Upper	
91	100		
106	30.9	25.0	37.4





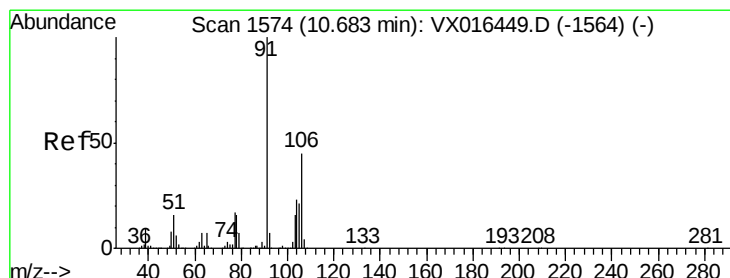
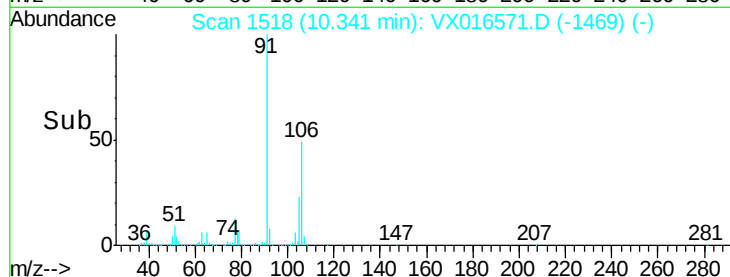
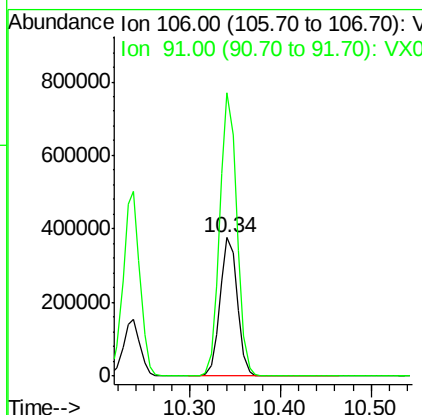
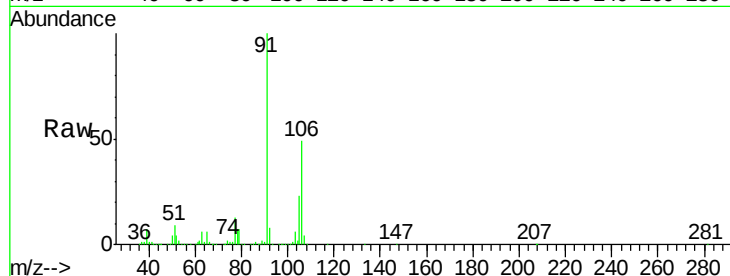
#68
m/p-Xylenes
Concen: 104.308 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		501766		
91	202.6	163.8	245.8		

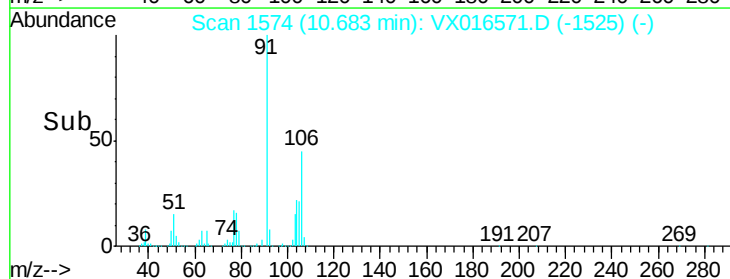
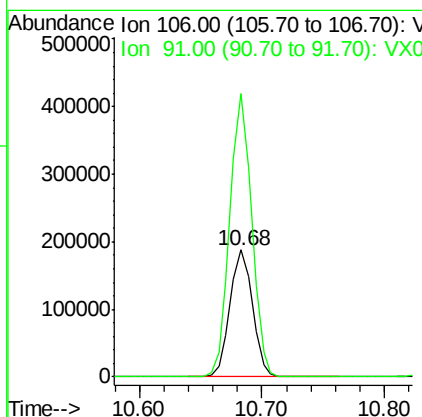
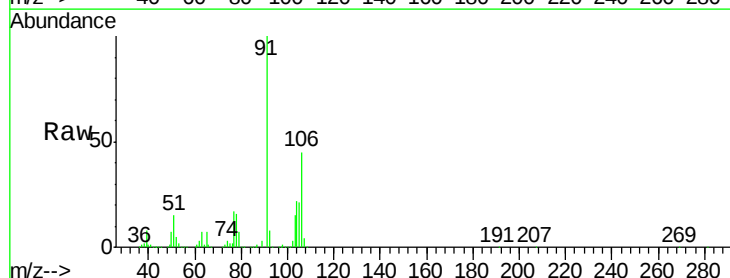
Manual Integrations
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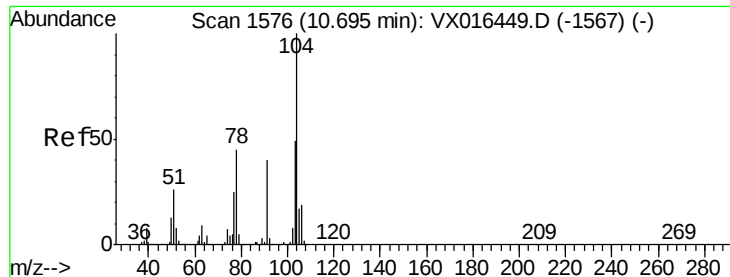
MMDadoda
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#69
o-Xylene
Concen: 51.133 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		238214		
91	218.1	109.6	328.8		





#70

Stvrene

Concen: 52.474 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

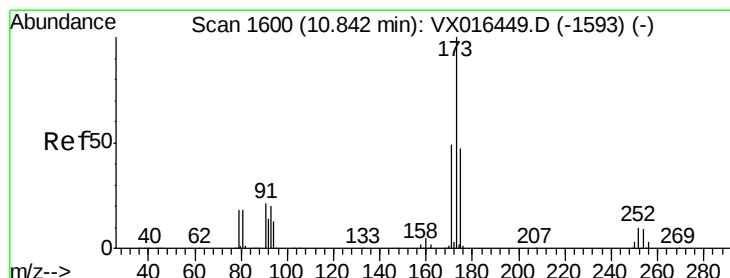
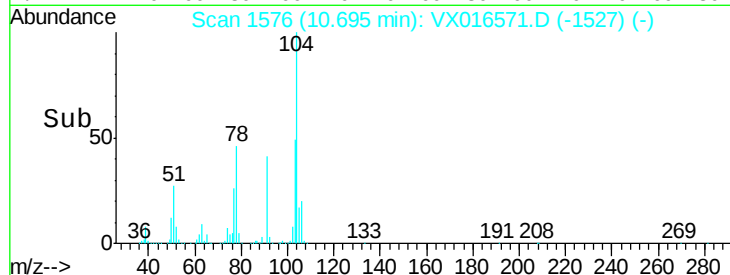
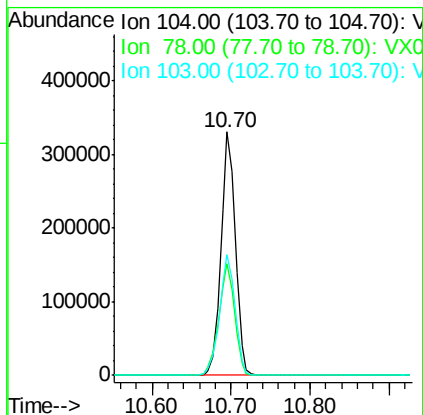
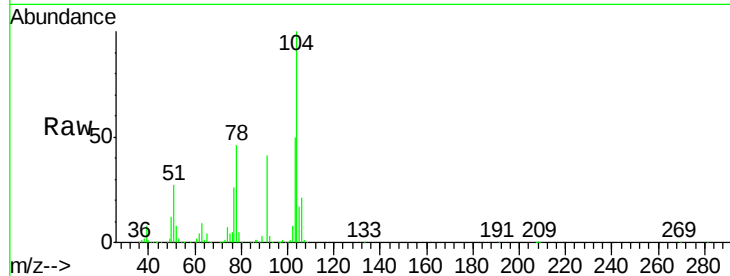
ClientSampleId :

SP20-MMW3414MS

Tot Ion:	104	Resp:	420191
Ion Ratio		Lower	Upper
104	100		
78	50.3	40.2	60.2
103	53.8	43.1	64.7

Manual Integrations
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#71

Bromoform

Concen: 54.038 ug/l

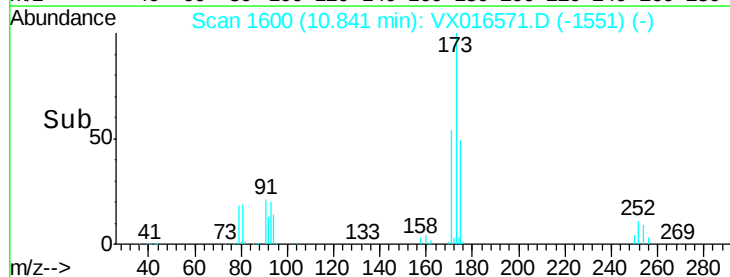
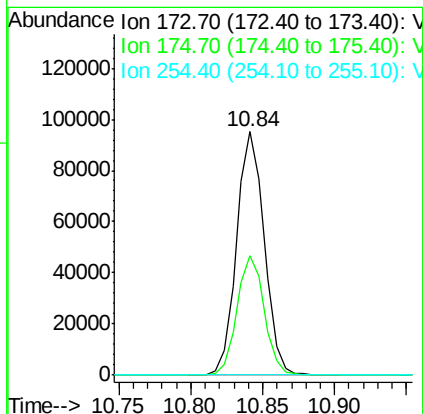
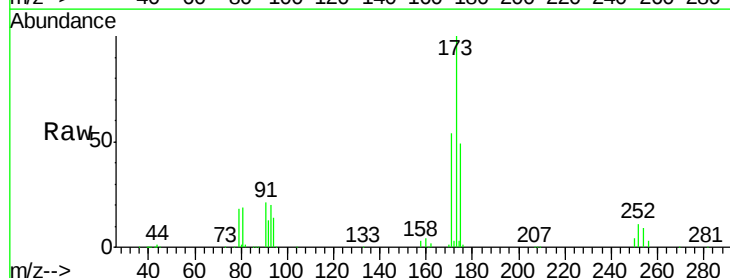
RT: 10.84 min Scan# 1600

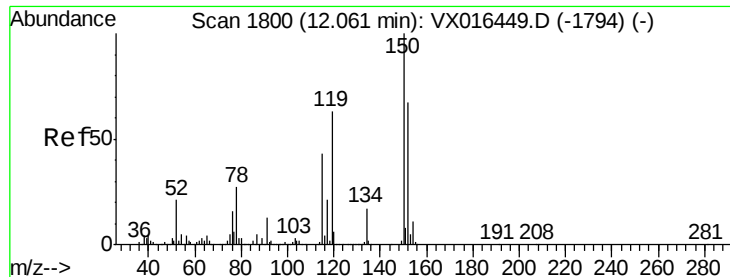
Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Tgt Ion:	173	Resp:	127038
Ion Ratio		Lower	Upper
173	100		
175	48.5	23.9	71.7
254	0.1	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion:152 Resp: 183542

Ion Ratio Lower Upper

152 100

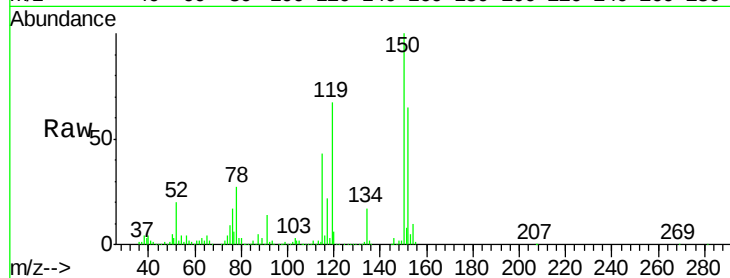
115 80.4 39.9 119.6

150 173.5 0.0 341.0

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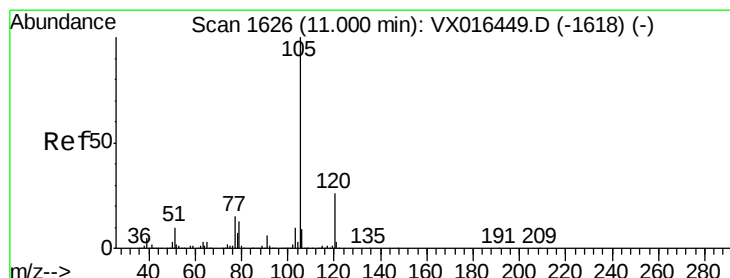
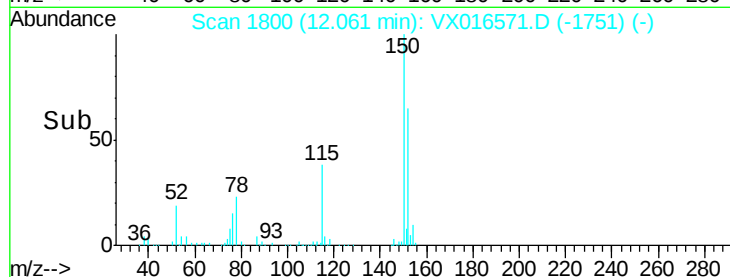
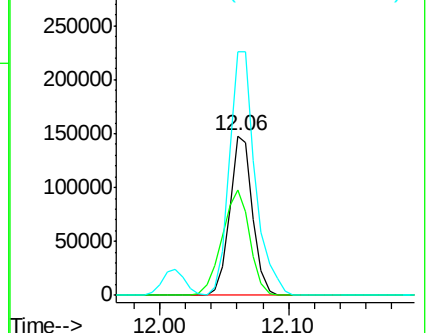
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 49.887 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016571.D

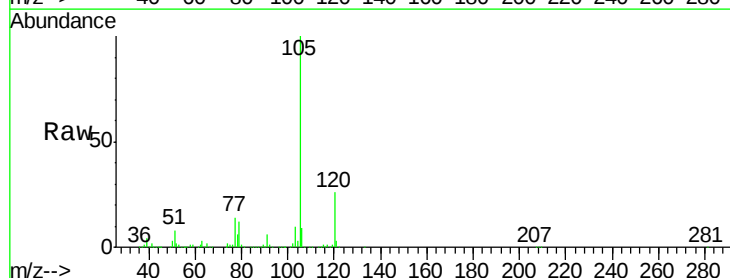
Acq: 03 Jun 2020 17:06

Tgt Ion:105 Resp: 634424

Ion Ratio Lower Upper

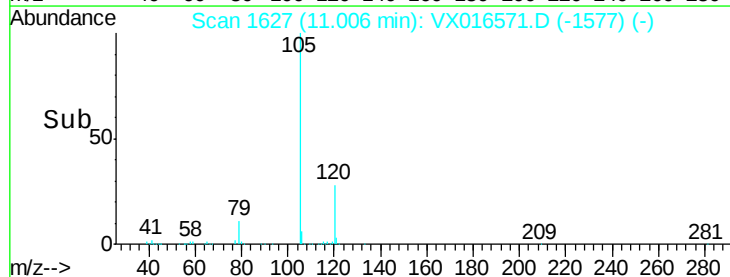
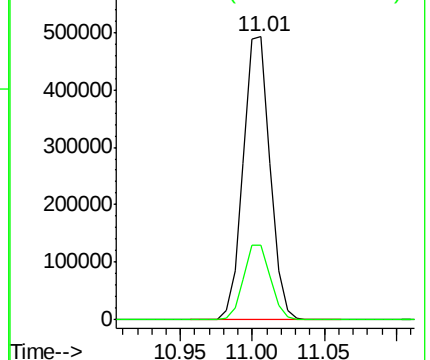
105 100

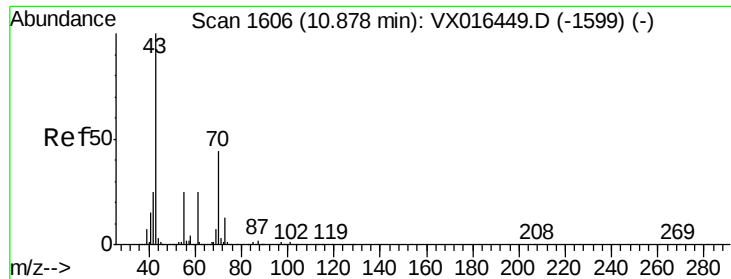
120 26.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.307 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion: 43 Resp: 276729

Ion Ratio Lower Upper

43 100

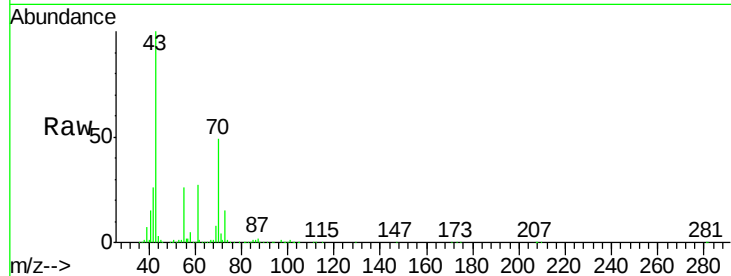
70 47.7 36.1 54.1

55 26.0 20.2 30.4

61 26.3 20.3 30.5

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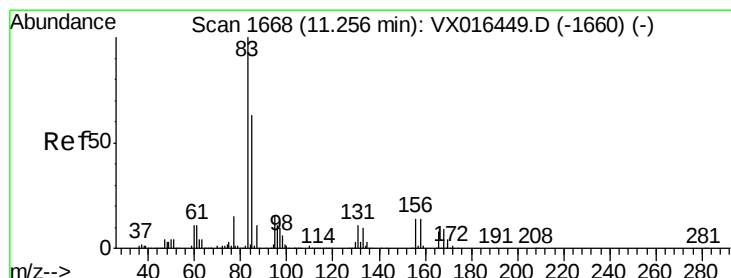
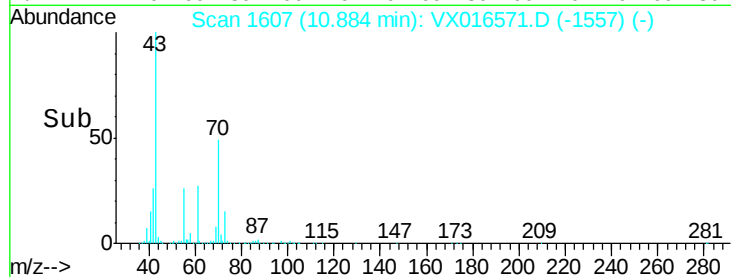
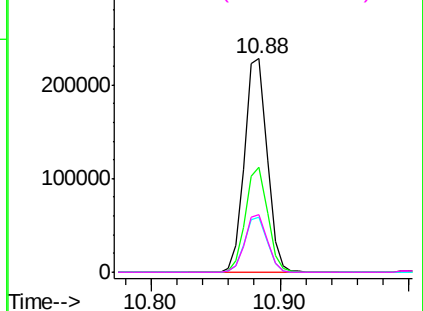


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 58.800 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

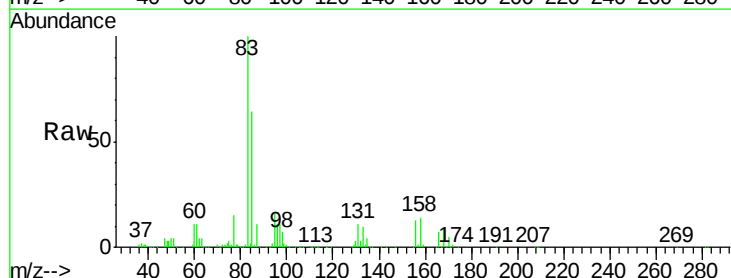
Tgt Ion: 83 Resp: 187409

Ion Ratio Lower Upper

83 100

131 10.9 5.1 15.3

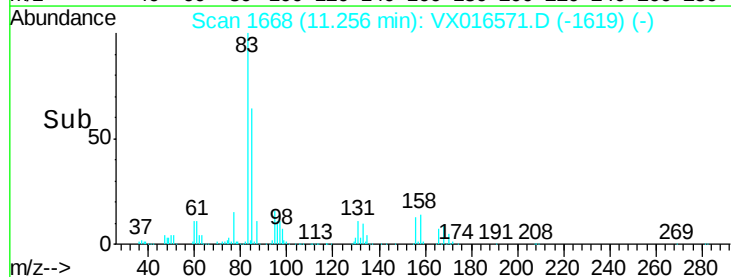
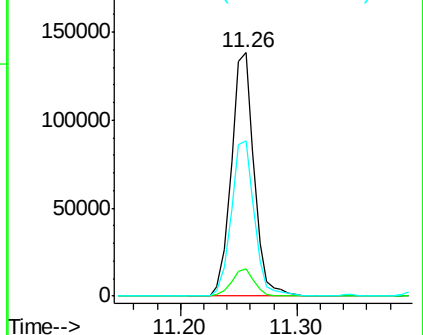
85 64.9 32.0 96.2

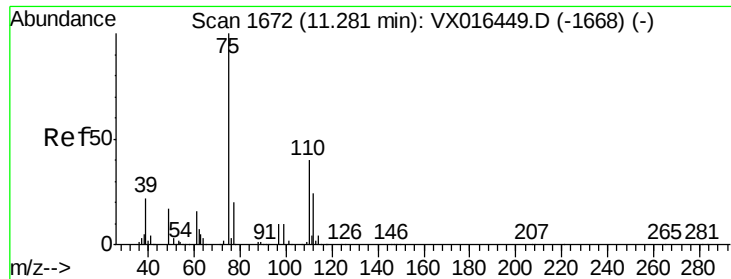


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 50.030 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion: 75 Resp: 201839

Ion Ratio Lower Upper

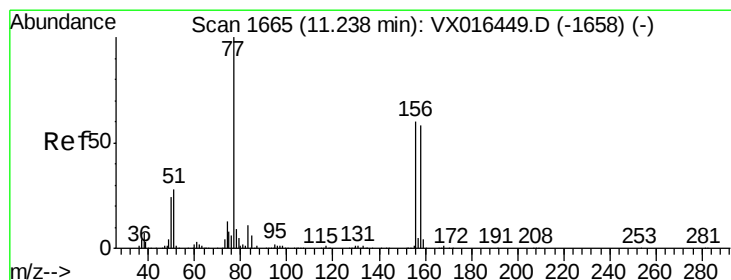
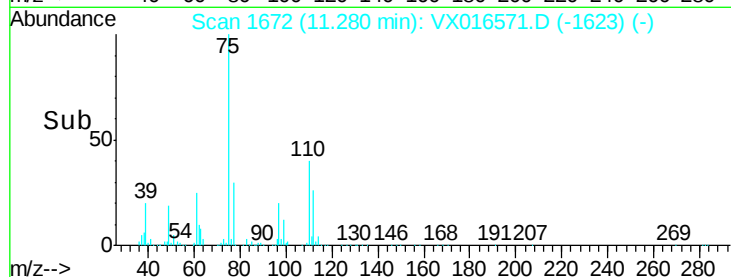
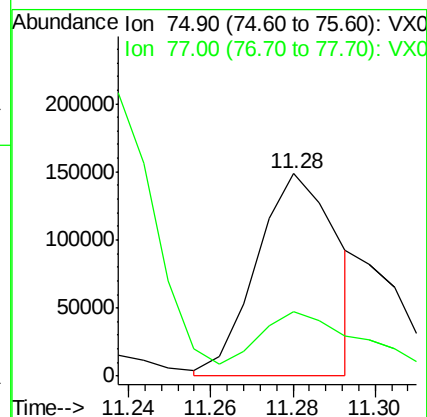
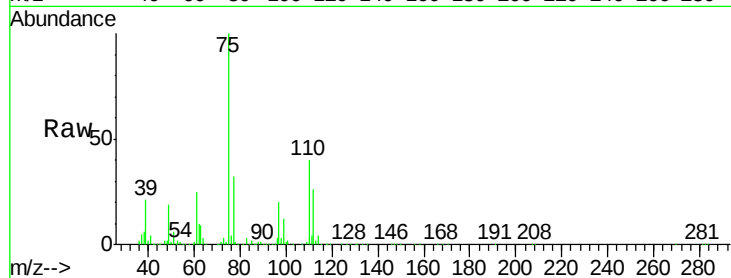
75 100

77 41.9 21.3 63.7

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#77

Bromobenzene

Concen: 50.092 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

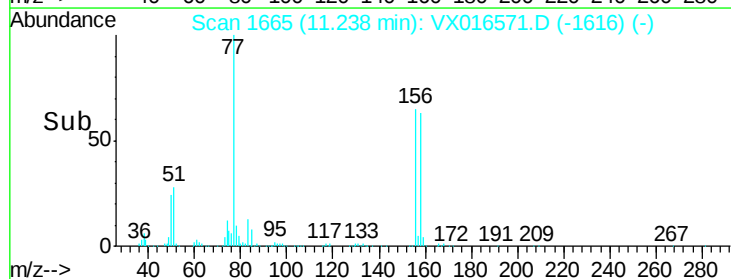
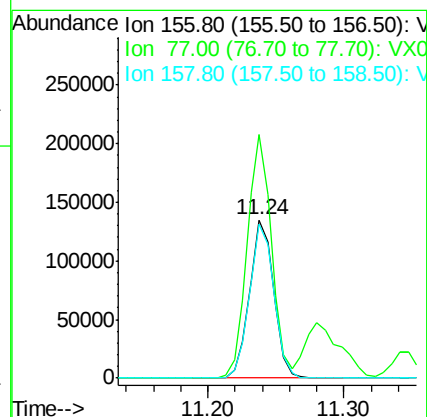
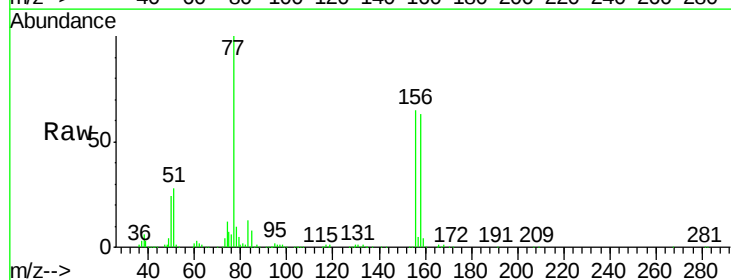
Tgt Ion: 156 Resp: 167083

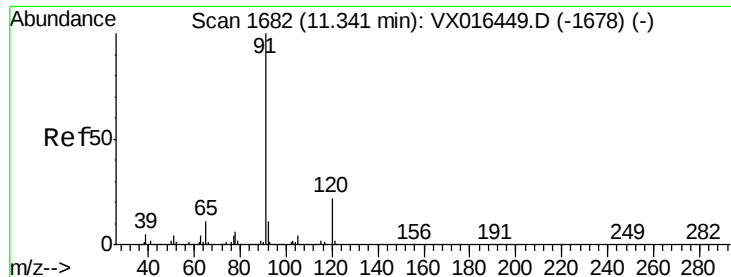
Ion Ratio Lower Upper

156 100

77 154.6 79.6 238.8

158 98.8 48.1 144.4





#78

n-propylbenzene

Concen: 50.701 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Instrument :

MSVOA_X

ClientSampleId :

SP20-MMW3414MS

Tot Ion: 91 Resp: 720357

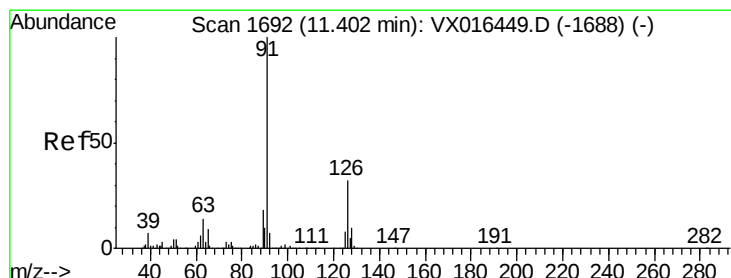
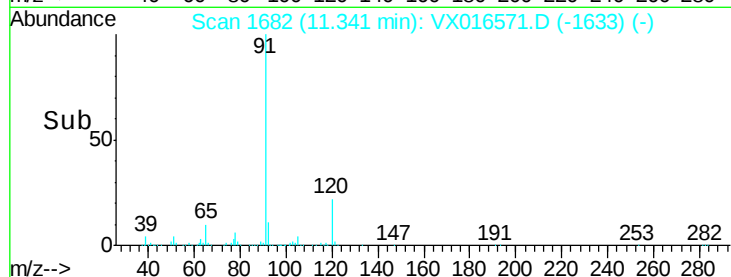
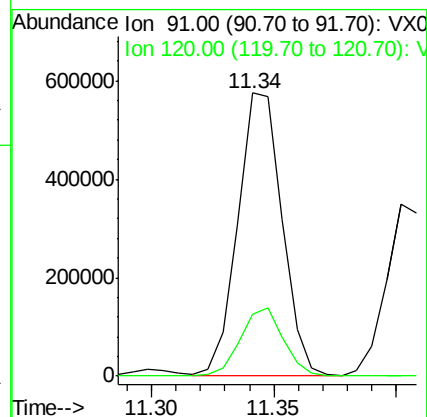
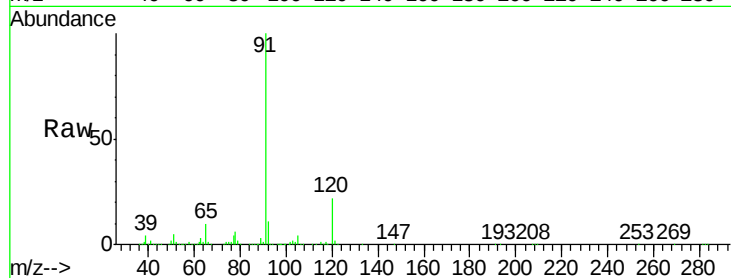
Ion Ratio Lower Upper

91 100

120 23.4 11.6 34.7

Manual Integrations
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6/4/2020 3:07:35 PM



#79

2-Chlorotoluene

Concen: 50.402 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX016571.D

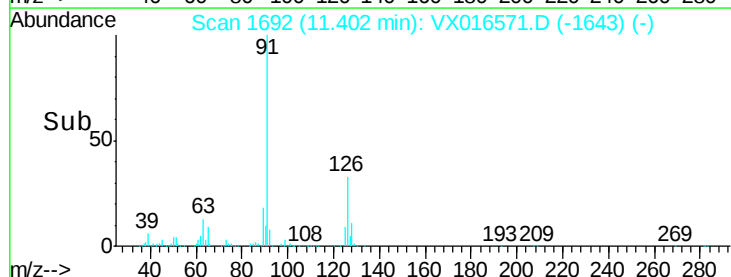
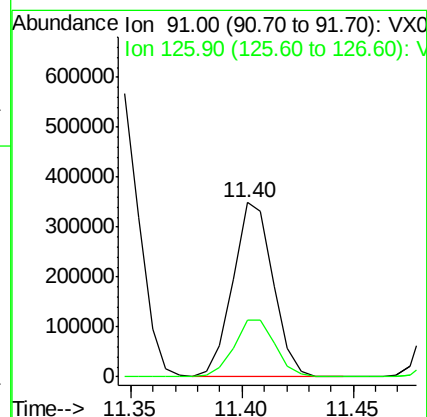
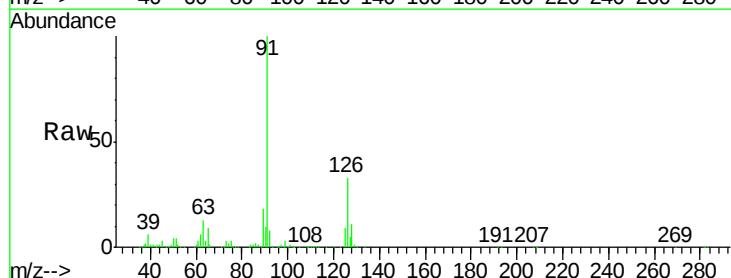
Acq: 03 Jun 2020 17:06

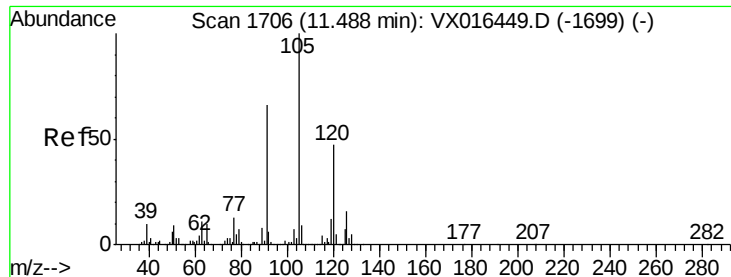
Tgt Ion: 91 Resp: 437114

Ion Ratio Lower Upper

91 100

126 33.8 16.8 50.3





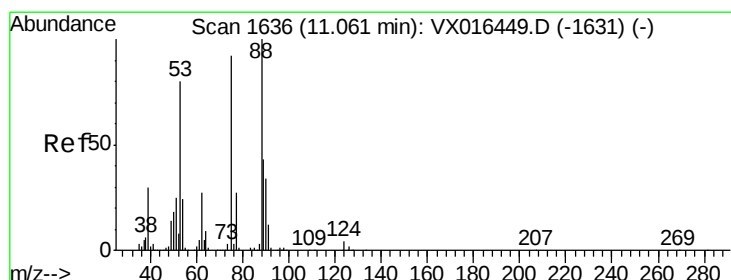
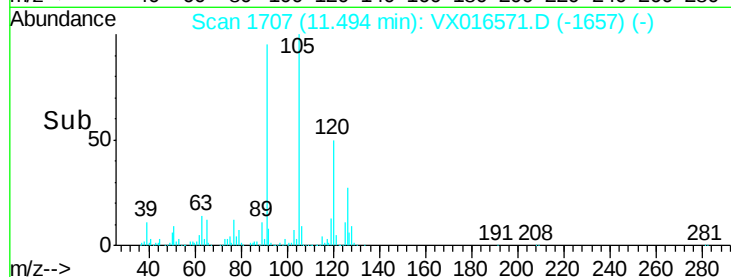
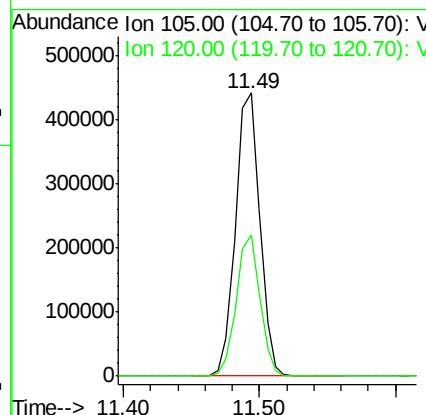
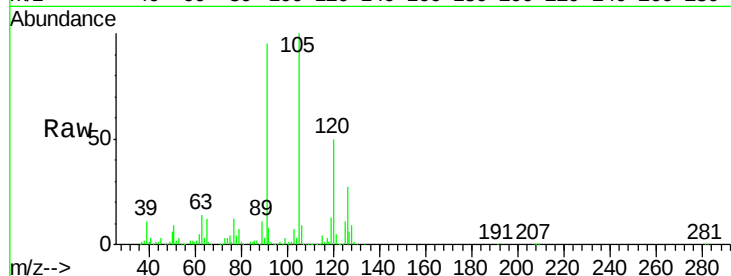
#80
 1,3,5-Trimethylbenzene
 Concen: 51.684 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.3	72.8

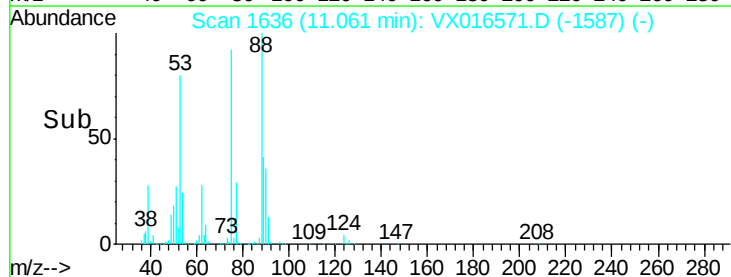
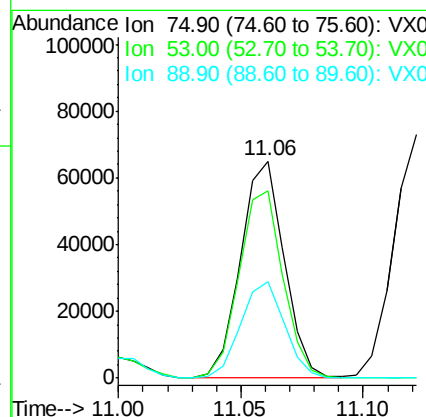
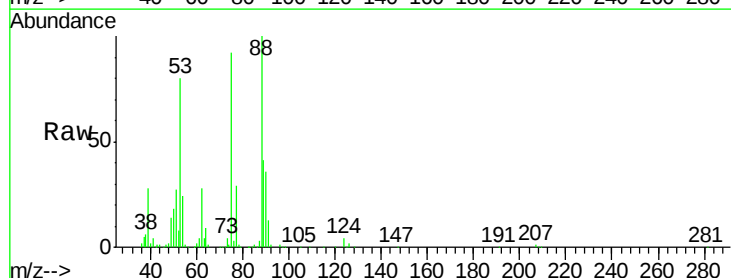
Manual Integrations
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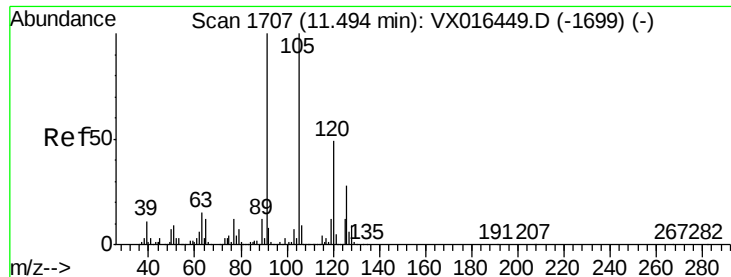
MMDadoda
 6/4/2020 3:07:35 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.803 ug/l
 RT: 11.06 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
53	88.0	71.3	106.9
89	45.2	36.6	55.0





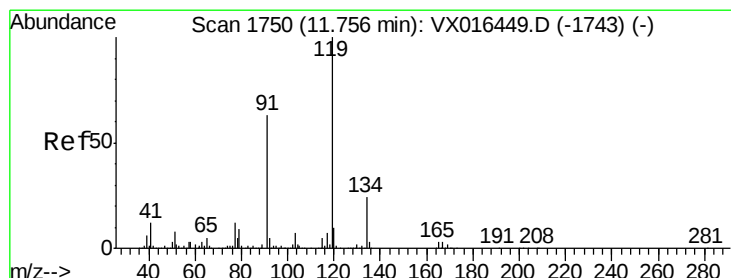
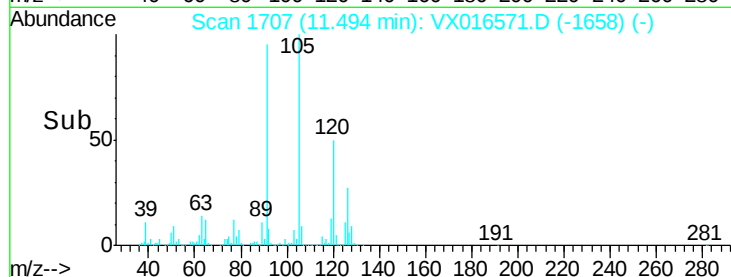
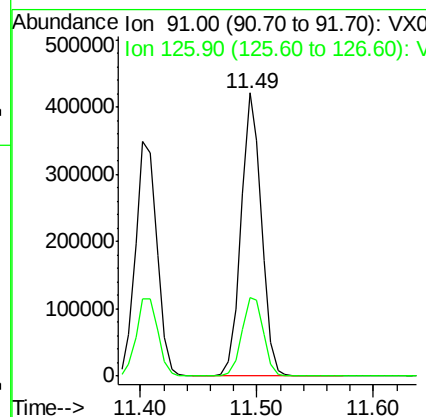
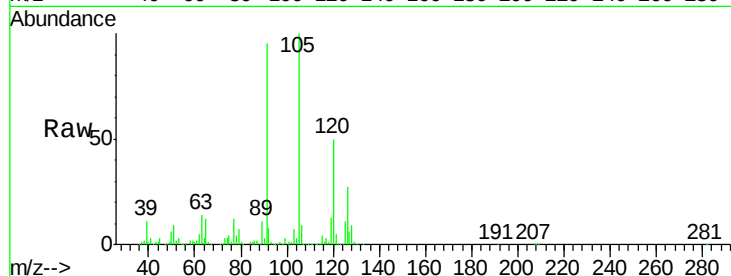
#82
4-Chlorotoluene
Concen: 50.084 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.4	14.7	44.1

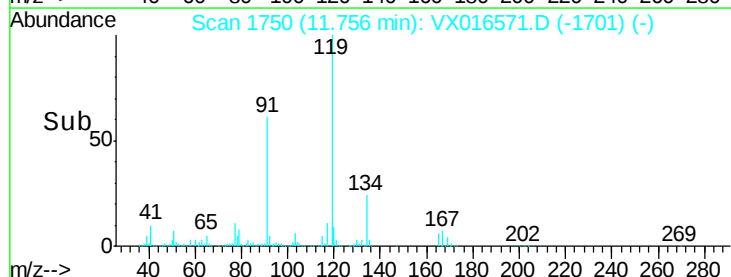
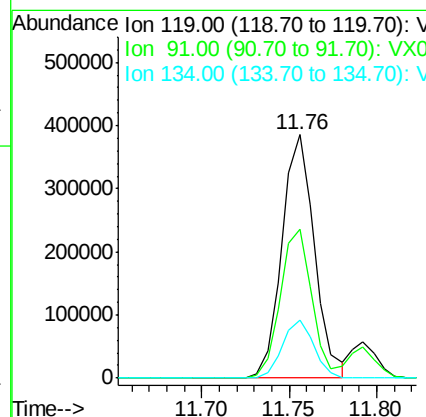
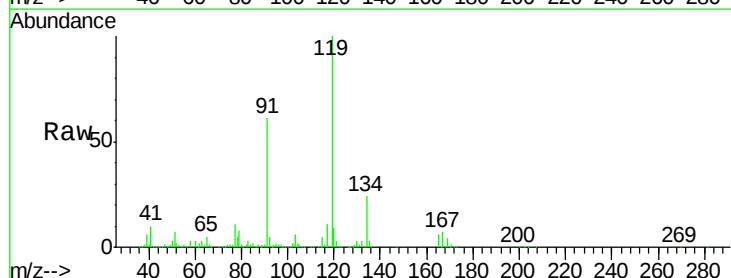
Manual Integrations
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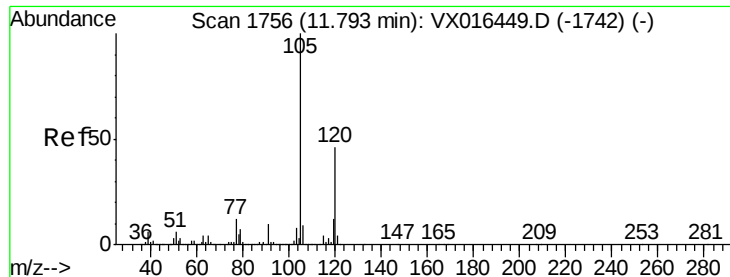
MMDadoda
6/4/2020 3:07:35 PM



#83
tert-Butylbenzene
Concen: 55.120 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
119	100		
91	59.1	31.3	93.8
134	23.1	12.0	36.0





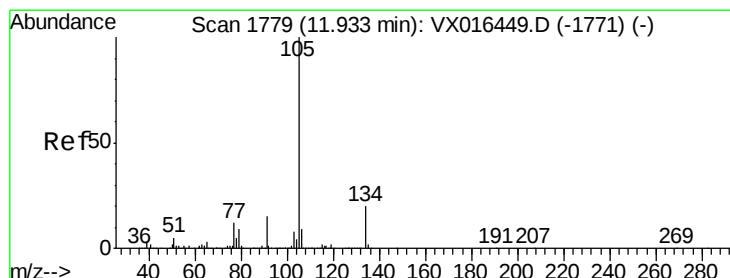
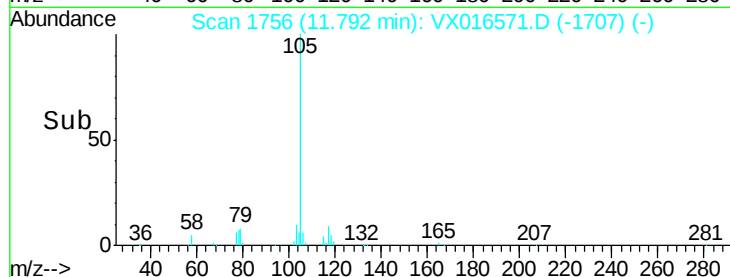
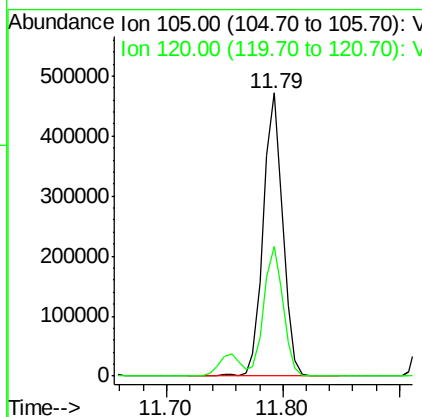
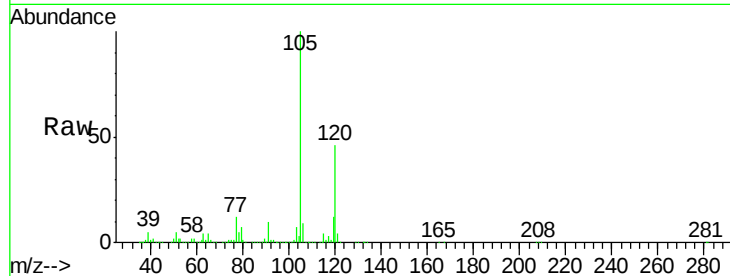
#84
1,2,4-Trimethylbenzene
Concen: 51.366 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.6	67.7

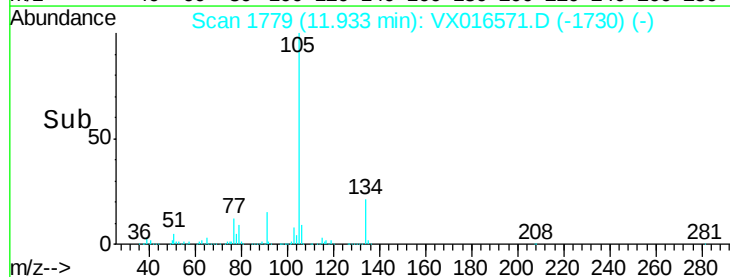
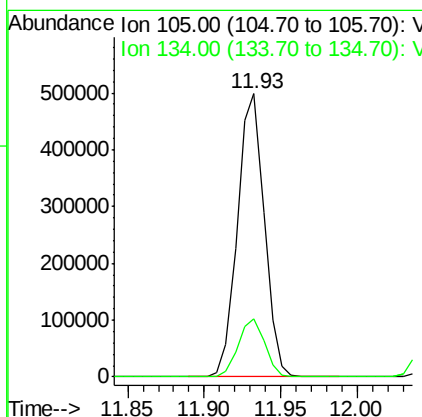
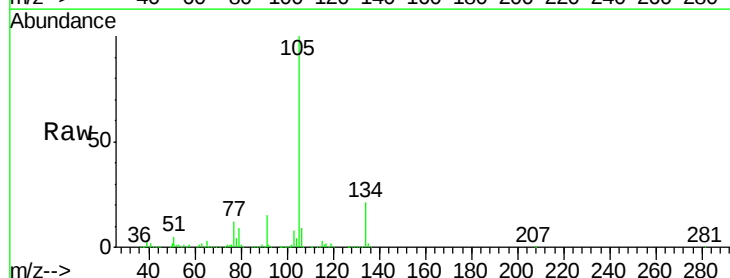
Manual Integrations
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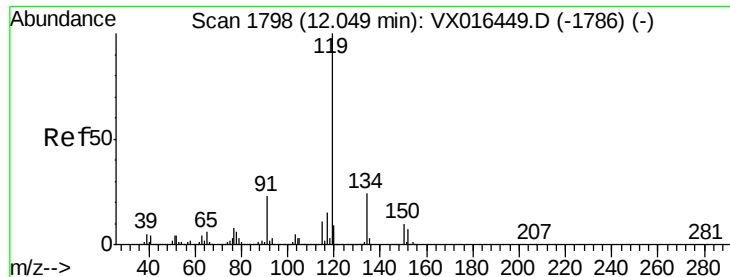
MMDadoda
6/4/2020 3:07:35 PM



#85
sec-Butylbenzene
Concen: 53.205 ug/l
RT: 11.93 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.1	30.3





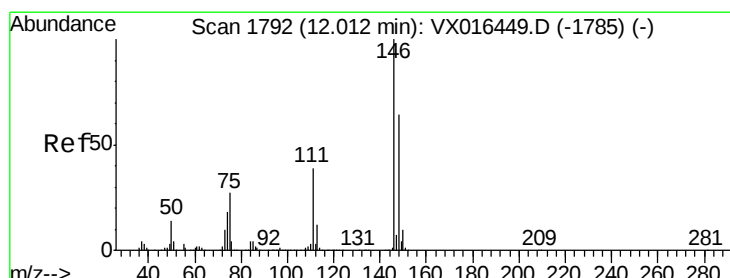
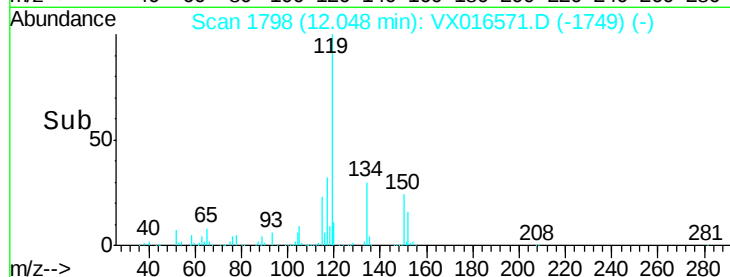
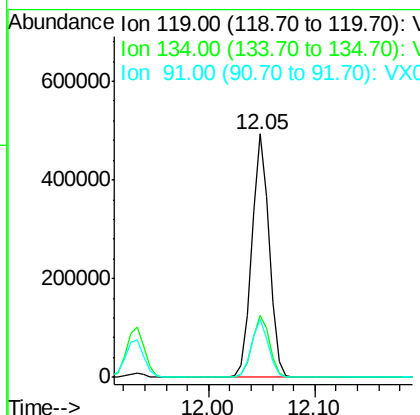
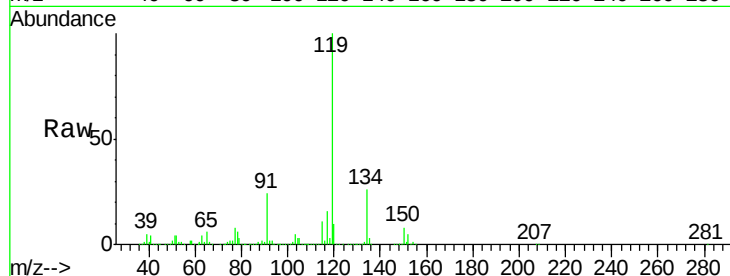
#86
p-Isopropyltoluene
Concen: 52.831 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	563284		
134	25.7		12.7	38.0
91	23.4		11.7	35.0

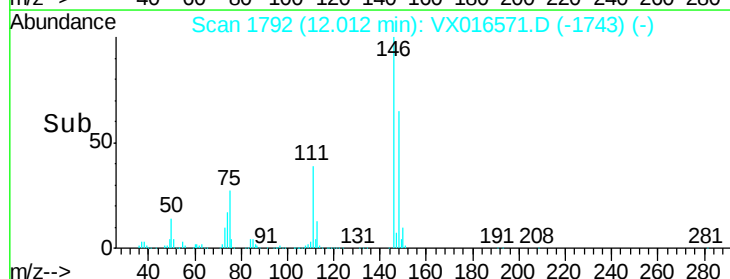
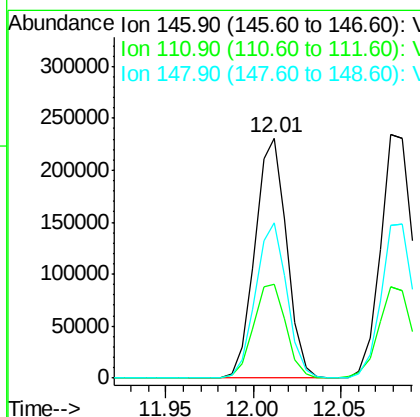
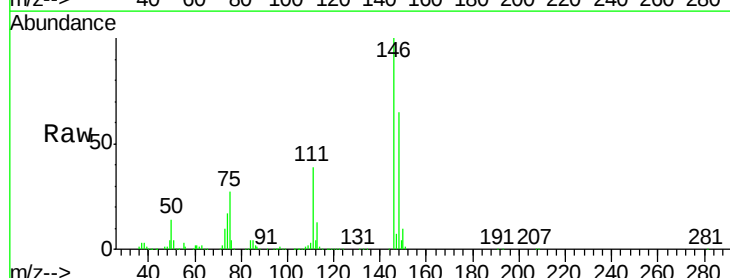
Manual Integrations
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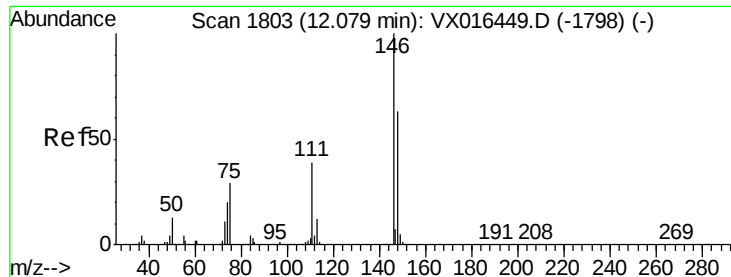
MMDadoda
6/4/2020 3:07:35 PM



#87
1,3-Dichlorobenzene
Concen: 50.798 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	293549		
111	40.2		20.0	60.0
148	63.9		31.9	95.5





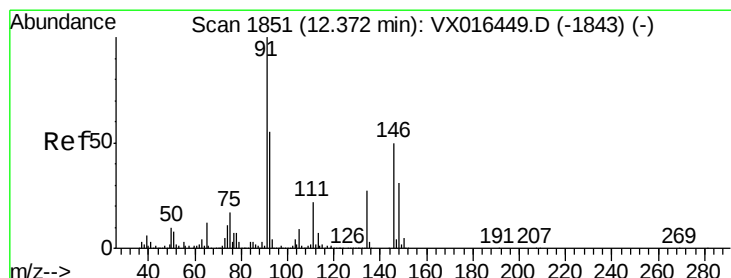
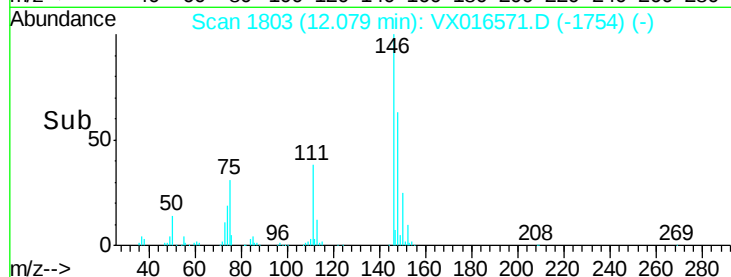
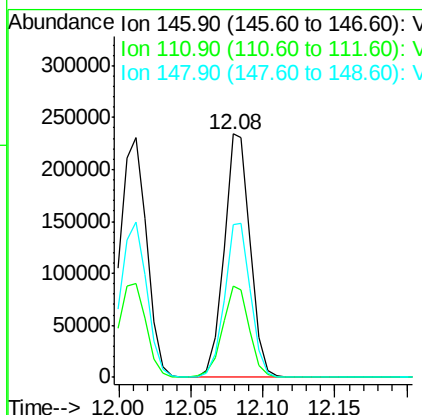
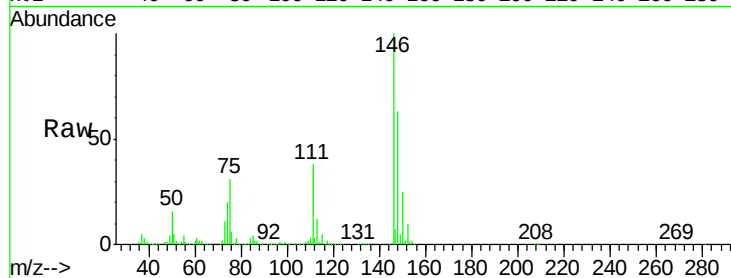
#88
 1,4-Dichlorobenzene
 Concen: 50.388 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	63.3	31.4	94.3

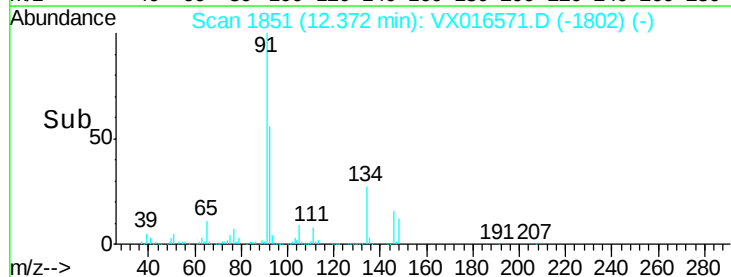
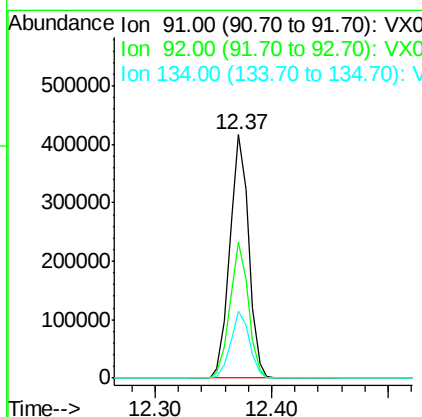
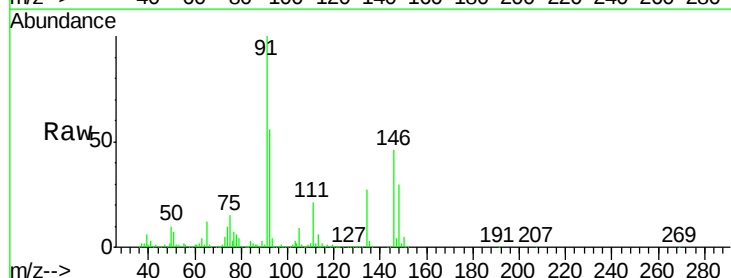
Manual Integrations
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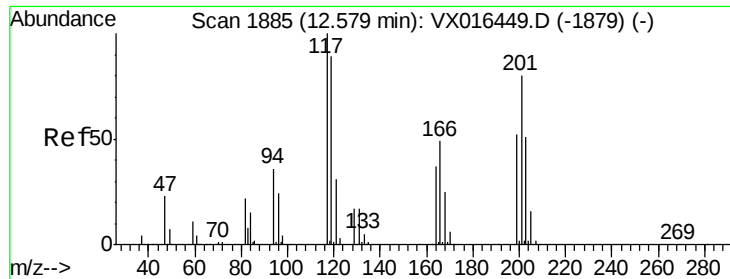
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 6/4/2020 3:07:35 PM



#89
 n-Butylbenzene
 Concen: 52.920 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.2	81.5
134	27.2	13.1	39.3





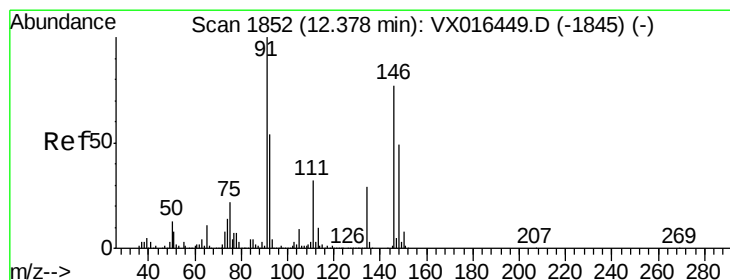
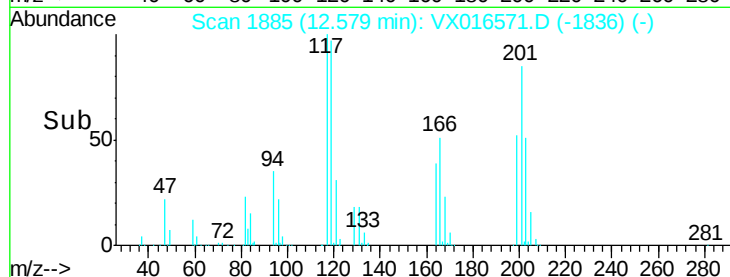
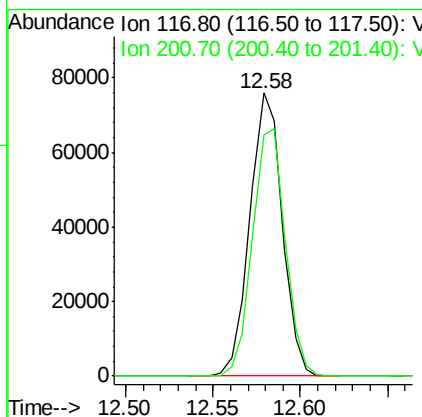
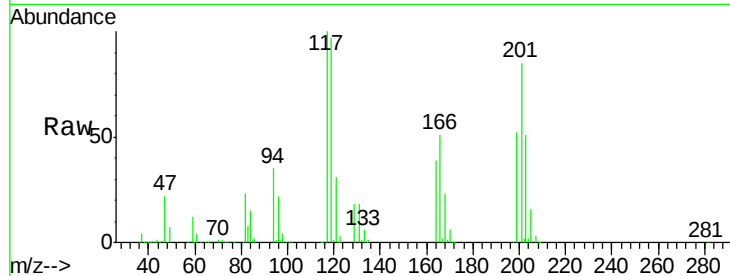
#90
Hexachloroethane
Concen: 53.128 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion:117 Resp: 97842
Ion Ratio Lower Upper
117 100
201 88.4 43.1 129.3

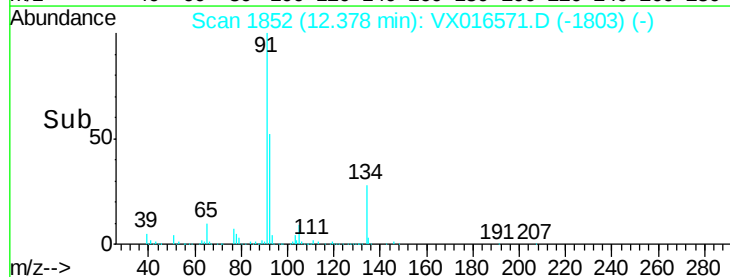
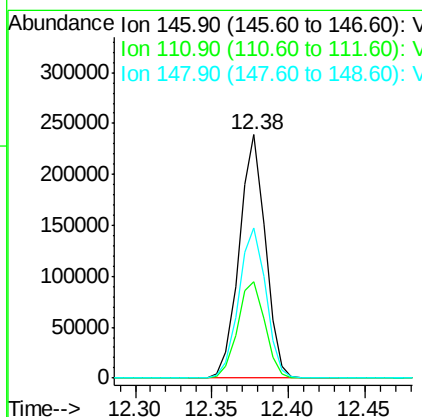
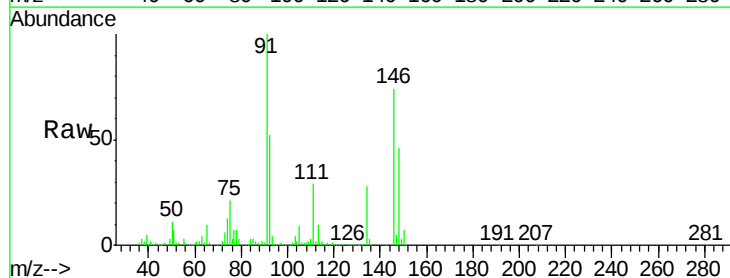
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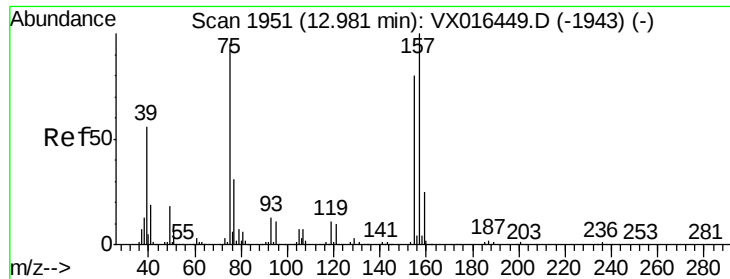
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6/4/2020 3:07:35 PM



#91
1,2-Dichlorobenzene
Concen: 50.529 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX016571.D
Acq: 03 Jun 2020 17:06

Tgt Ion:146 Resp: 282892
Ion Ratio Lower Upper
146 100
111 41.2 21.4 64.3
148 64.1 31.9 95.7





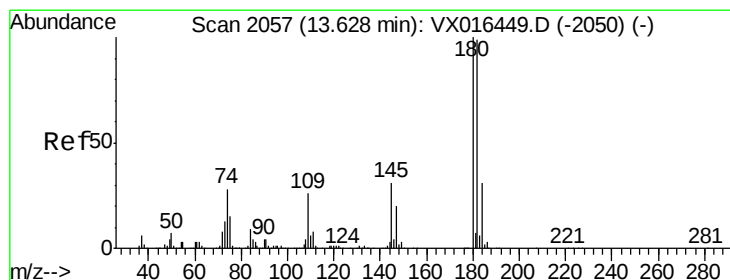
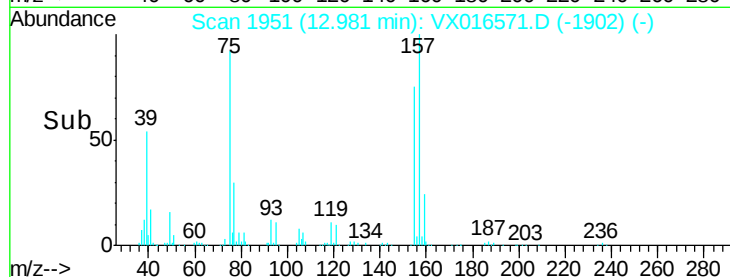
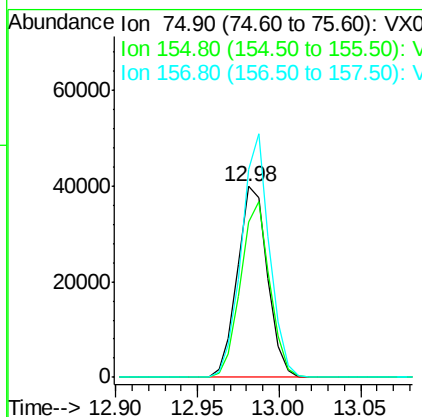
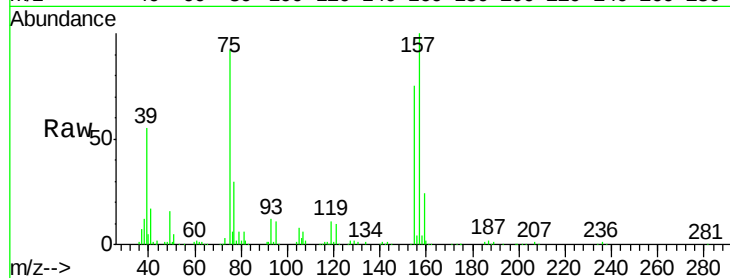
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.682 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	89.5	44.1	132.4
157	119.0	57.8	173.3

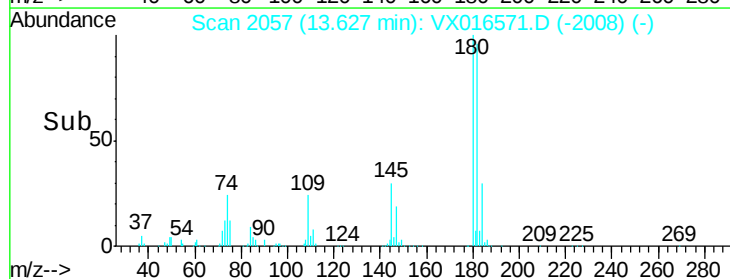
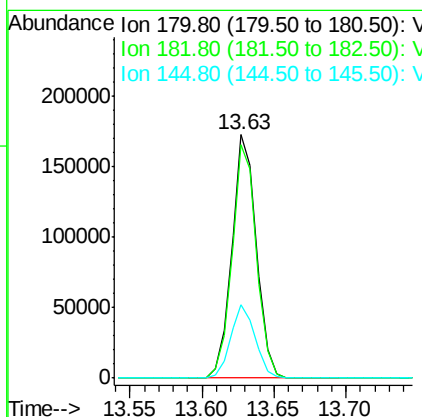
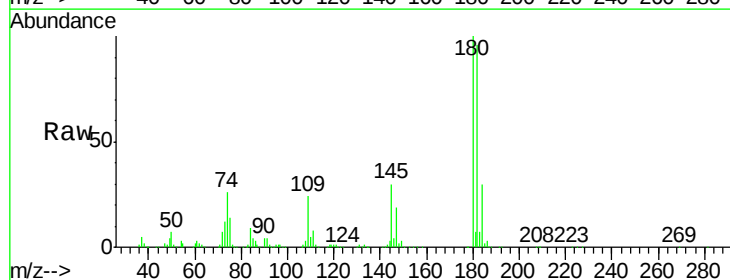
Manual Integrations
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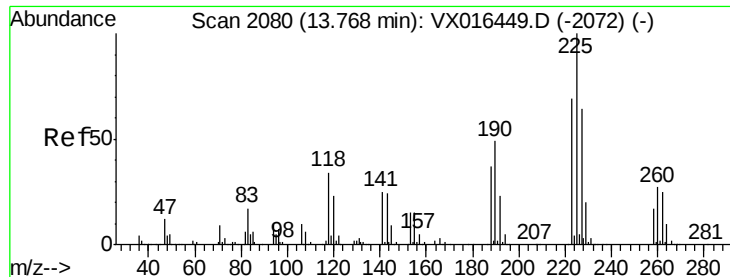
MMDadoda
 6/4/2020 3:07:35 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 55.344 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.3	144.8
145	30.2	15.4	46.2





#94

Hexachlorobutadiene

Concen: 57.134 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX016571.D

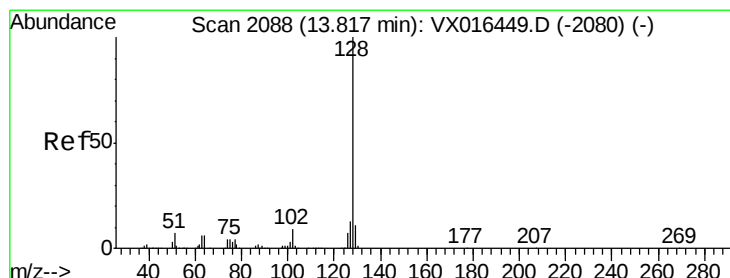
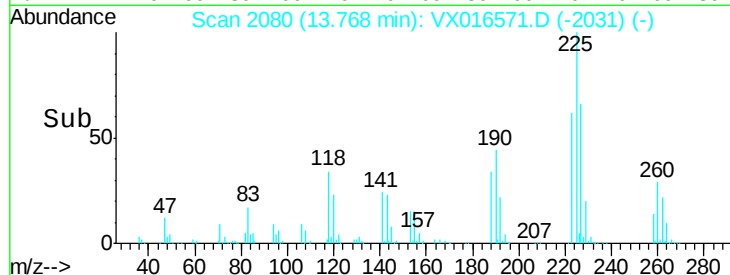
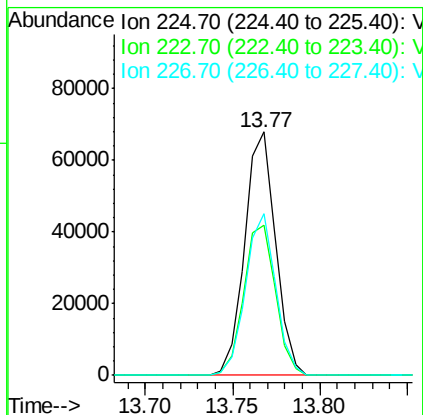
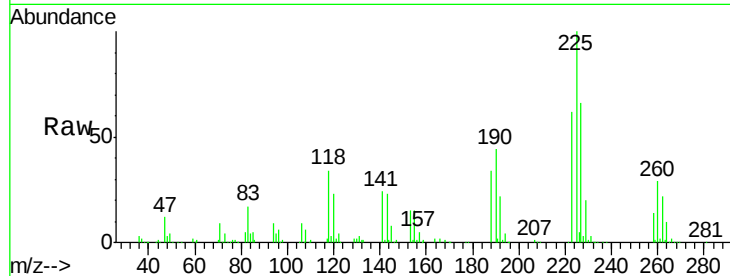
Acq: 03 Jun 2020 17:06

Instrument :
MSVOA_X
ClientSampleId :
SP20-MMW3414MS

Tot Ion:	225	Resp:	83409
Ion Ratio	Lower	Upper	
225	100		
223	63.1	32.3	96.8
227	64.4	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
6/4/2020 3:07:35 PM



#95

Naphthalene

Concen: 52.496 ug/l

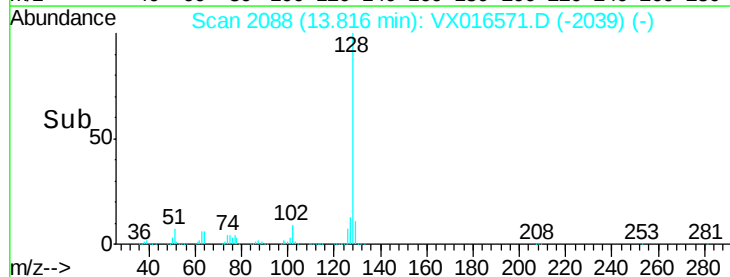
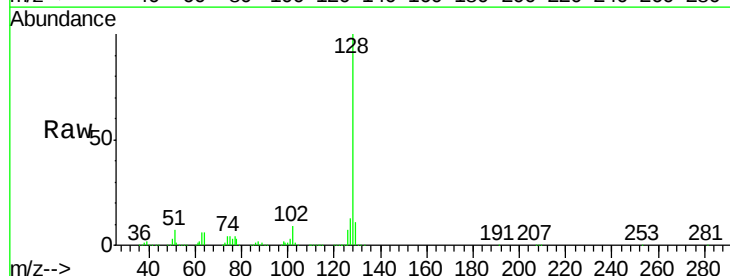
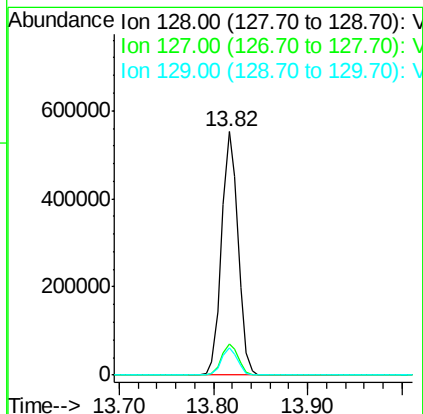
RT: 13.82 min Scan# 2088

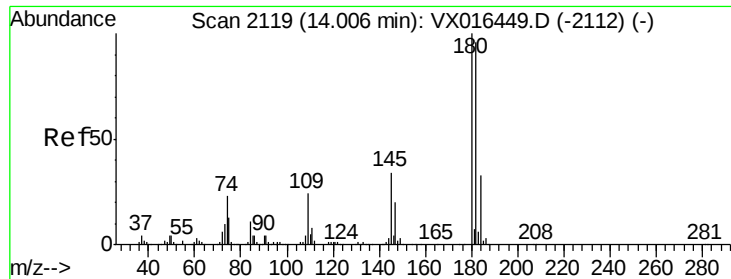
Delta R.T. -0.00 min

Lab File: VX016571.D

Acq: 03 Jun 2020 17:06

Tgt Ion:	128	Resp:	669147
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	11.1	8.6	13.0





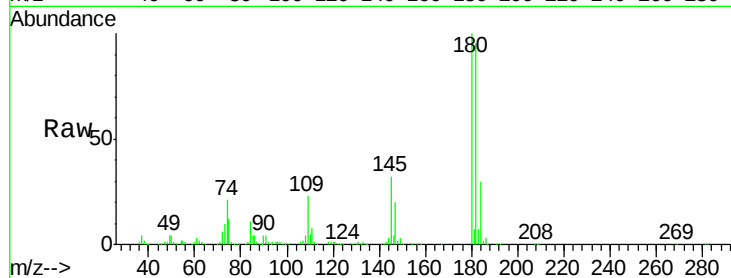
#96
 1,2,3-Trichlorobenzene
 Concen: 55.038 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016571.D
 Acq: 03 Jun 2020 17:06

Instrument :
 MSVOA_X
 ClientSampleId :
 SP20-MMW3414MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	200492		
182	95.8		48.6	145.8
145	31.8		16.6	49.8

Manual Integrations
 APPROVED

MMDadoda
 6/4/2020 3:07:35 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

