

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042920\
 Data File : VX015985.D
 Acq On : 29 Apr 2020 18:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/30/2020 2:11:51 PM

Quant Time: Apr 30 08:32:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042820W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 17:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	268315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	428340	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	404026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	209564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	168951	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	5.47	113	127938	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
50) Toluene-d8	8.70	98	480876	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	11.12	95	190802	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	126279	52.594	ug/l	99
3) Chloromethane	1.31	50	143005	49.145	ug/l	98
4) Vinyl Chloride	1.39	62	166917	50.510	ug/l	99
5) Bromomethane	1.62	94	103800	46.788	ug/l	99
6) Chloroethane	1.71	64	110371	50.210	ug/l	98
7) Trichlorofluoromethane	1.91	101	247313	49.513	ug/l	97
8) Diethyl Ether	2.17	74	102300	49.058	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	126328	50.738	ug/l	100
10) Methyl Iodide	2.49	142	180225	51.890	ug/l	100
11) Tert butyl alcohol	3.01	59	214601	252.007	ug/l	100
12) 1,1-Dichloroethene	2.36	96	127617	49.711	ug/l	100
13) Acrolein	2.27	56	57907	270.584	ug/l	99
14) Allyl chloride	2.71	41	239299	51.695	ug/l	99
15) Acrylonitrile	3.12	53	436150	258.307	ug/l	99
16) Acetone	2.42	43	388747	259.141	ug/l	97
17) Carbon Disulfide	2.55	76	371808	49.643	ug/l	99
18) Methyl Acetate	2.75	43	220785	51.864	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	481278	51.834	ug/l	100
20) Methylene Chloride	2.84	84	146481	49.326	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	141061	48.756	ug/l	98
22) Diisopropyl ether	3.82	45	473385	52.016	ug/l	98
23) Vinyl Acetate	3.79	43	2093143	264.768	ug/l	100
24) 1,1-Dichloroethane	3.67	63	264446	52.162	ug/l	100
25) 2-Butanone	4.64	43	631243	259.670	ug/l	98
26) 2,2-Dichloropropane	4.55	77	222751	48.055	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	163349	49.753	ug/l	99
28) Bromochloromethane	4.98	49	119259	48.612	ug/l	98
29) Tetrahydrofuran	5.09	42	408325	256.303	ug/l	100
30) Chloroform	5.18	83	267308	50.706	ug/l	99
31) Cyclohexane	5.55	56	233211	51.672	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	246418	50.768	ug/l	99
36) 1,1-Dichloropropene	5.78	75	201444	49.377	ug/l	98
37) Ethyl Acetate	4.80	43	242414	51.819	ug/l	99
38) Carbon Tetrachloride	5.76	117	216871	50.328	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	237929	50.419	ug/l	99
40) Benzene	6.12	78	589592	50.650	ug/l	99
41) Methacrylonitrile	5.01	41	128674	51.387	ug/l	99
42) 1,2-Dichloroethane	6.17	62	229540	50.893	ug/l	99
43) Isopropyl Acetate	6.42	43	397323	51.290	ug/l	100
44) Trichloroethene	7.19	130	198193	47.237	ug/l	99
45) 1,2-Dichloropropane	7.49	63	151439	50.339	ug/l	98
46) Dibromomethane	7.64	93	107453	50.267	ug/l	98
47) Bromodichloromethane	7.88	83	219500	51.672	ug/l	99
48) Methyl methacrylate	7.75	41	189675	53.032	ug/l	99
49) 1,4-Dioxane	7.71	88	84315	1002.078	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1228507	261.450	ug/l	100
52) Toluene	8.77	92	376706	50.982	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	252916	50.178	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	260756	50.300	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	152100	51.510	ug/l	98
56) Ethyl methacrylate	9.16	69	252880	52.668	ug/l	99
57) 1,3-Dichloropropane	9.35	76	259579	51.164	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	626949	252.681	ug/l	100
59) 2-Hexanone	9.48	43	969016	263.881	ug/l	100
60) Dibromochloromethane	9.57	129	175079	52.974	ug/l	98
61) 1,2-Dibromoethane	9.65	107	165348	51.639	ug/l	100
64) Tetrachloroethene	9.32	164	231883	48.380	ug/l	98
65) Chlorobenzene	10.12	112	406378	49.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	155782	50.088	ug/l	99
67) Ethyl Benzene	10.24	91	731459	49.913	ug/l	100
68) m/p-Xylenes	10.34	106	555405	99.879	ug/l	100
69) o-Xylene	10.68	106	264143	50.031	ug/l	96
70) Styrene	10.70	104	461916	50.990	ug/l	100
71) Bromoform	10.84	173	135129	47.840	ug/l	98
73) Isopropylbenzene	11.01	105	723377	50.741	ug/l	100
74) N-amyl acetate	10.88	43	351417	51.110	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	162607	49.201	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	226973m	51.615	ug/l	
77) Bromobenzene	11.24	156	184198	50.195	ug/l	98
78) n-propylbenzene	11.35	91	839976	51.219	ug/l	99
79) 2-Chlorotoluene	11.41	91	490500	50.199	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	615222	51.230	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	93137	50.052	ug/l	99
82) 4-Chlorotoluene	11.49	91	591154	50.584	ug/l	99
83) tert-Butylbenzene	11.76	119	528593	51.049	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	625349	51.741	ug/l	99
85) sec-Butylbenzene	11.93	105	714309	51.202	ug/l	99
86) p-Isopropyltoluene	12.05	119	666993	51.043	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	330095	49.327	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	331550	49.022	ug/l	98
89) n-Butylbenzene	12.37	91	598437	50.685	ug/l	100
90) Hexachloroethane	12.58	117	118482	51.317	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	318641	49.794	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	59145	50.251	ug/l	98

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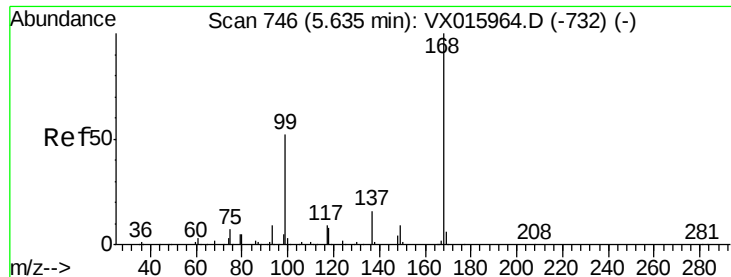
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	230175	47.923	ug/l	99
94) Hexachlorobutadiene	13.77	225	98491	45.897	ug/l	98
95) Naphthalene	13.82	128	768553	50.735	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	223648	48.358	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 268315

Ion Ratio Lower Upper

168 100

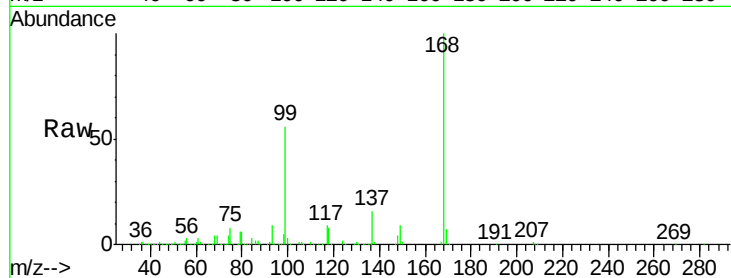
99 55.7 41.7 62.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

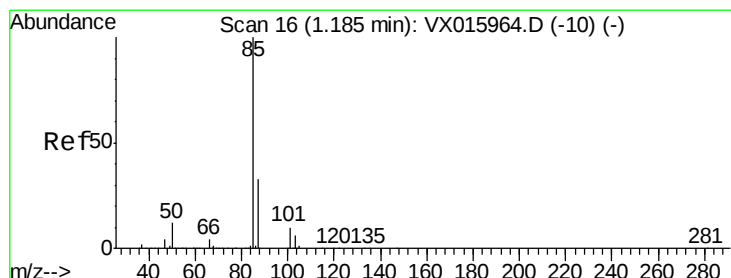
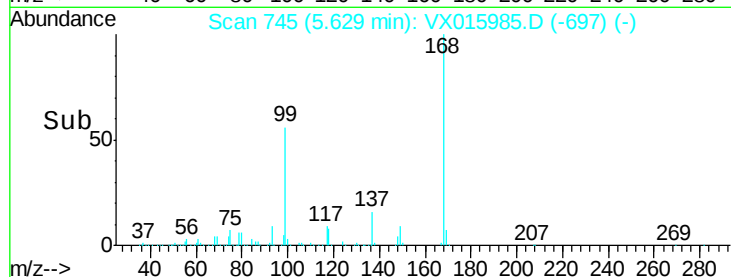
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 52.594 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX015985.D

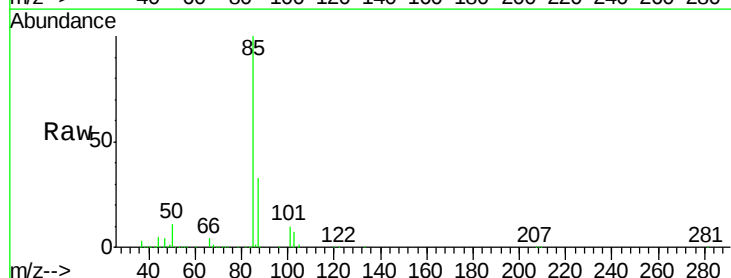
Acq: 29 Apr 2020 18:18

Tgt Ion: 85 Resp: 126279

Ion Ratio Lower Upper

85 100

87 32.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

150000

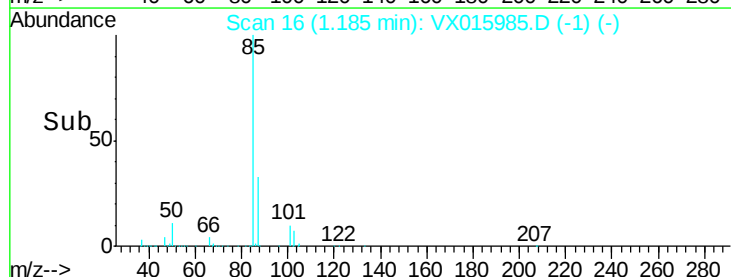
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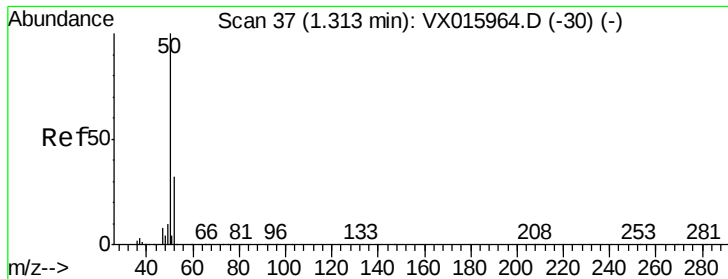
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 49.145 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 143005

Ion Ratio Lower Upper

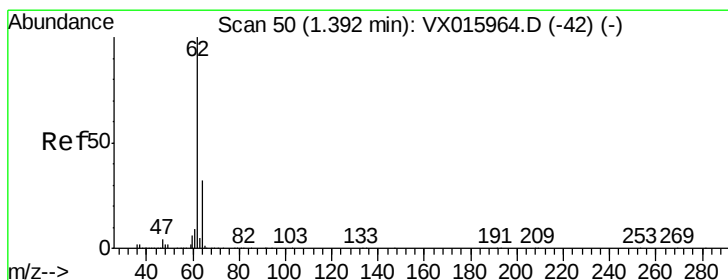
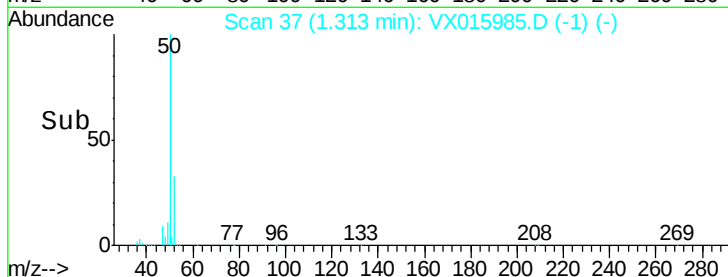
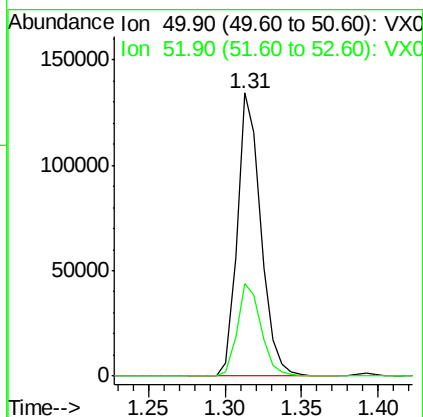
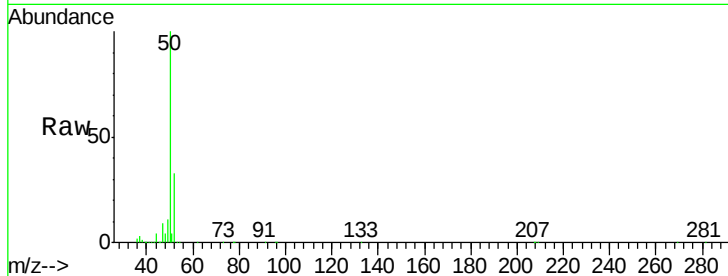
50 100

52 32.9 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 50.510 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX015985.D

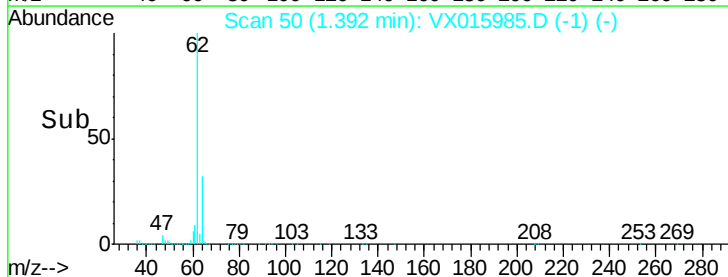
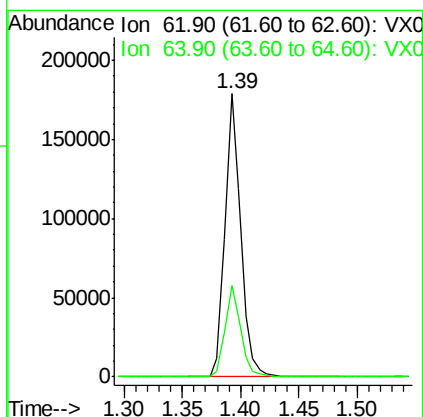
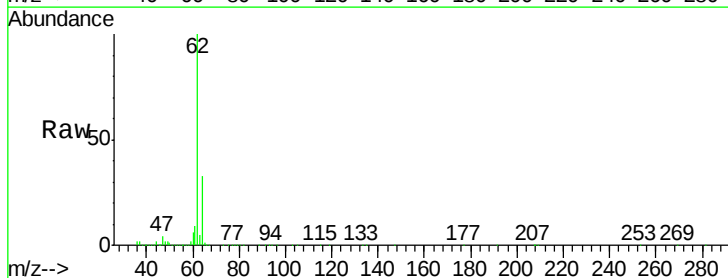
Acq: 29 Apr 2020 18:18

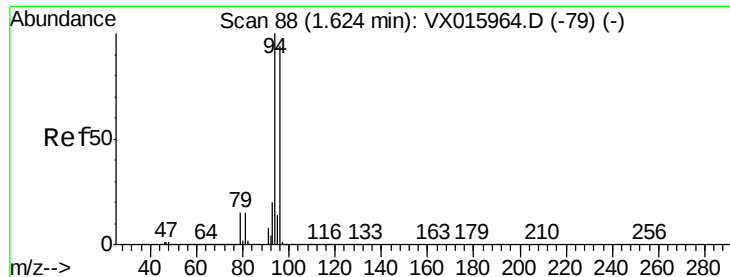
Tgt Ion: 62 Resp: 166917

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.6





#5

Bromomethane

Concen: 46.788 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

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VSTDCCC050EC

Tot Ion: 94 Resp: 103800

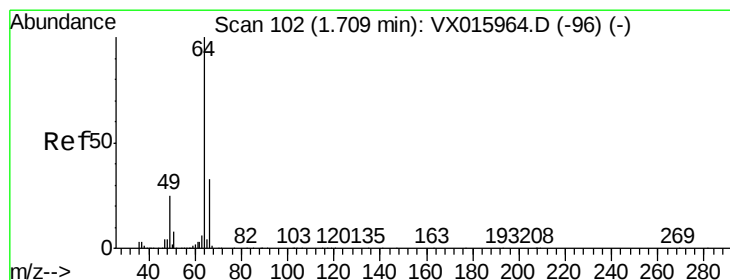
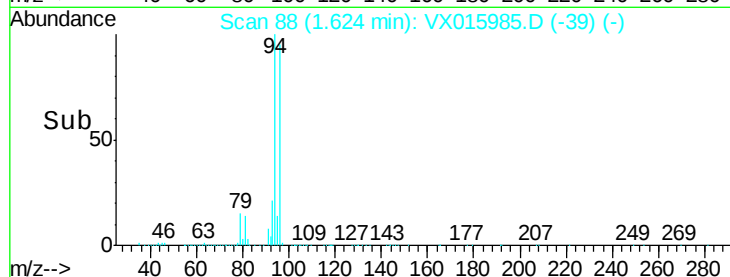
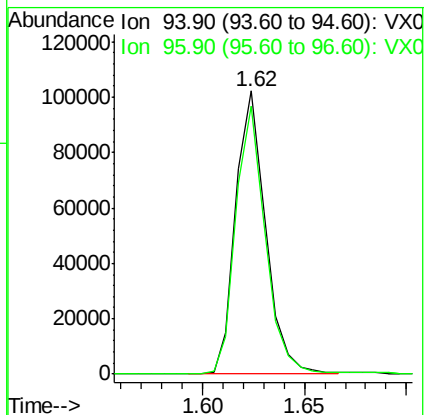
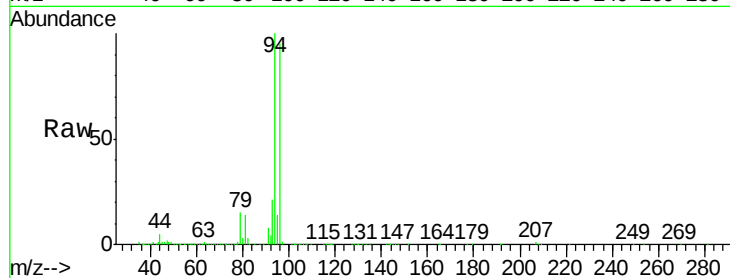
Ion Ratio Lower Upper

94 100

96 94.7 74.9 112.3

Manual Integrations
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#6

Chloroethane

Concen: 50.210 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX015985.D

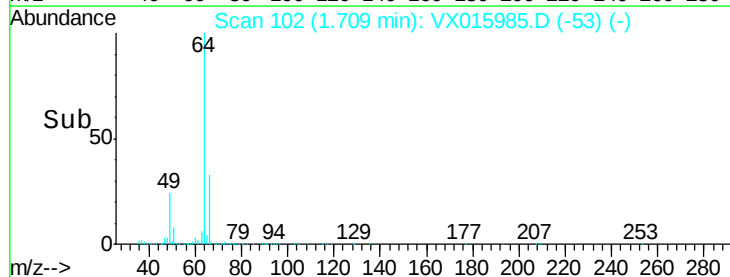
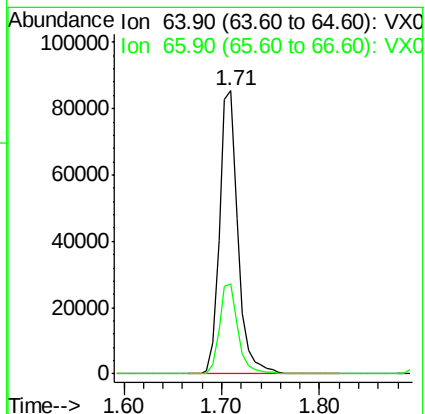
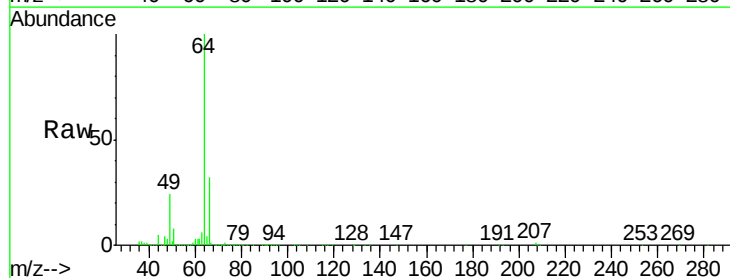
Acq: 29 Apr 2020 18:18

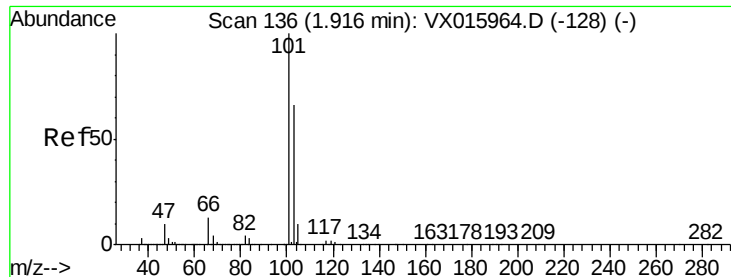
Tgt Ion: 64 Resp: 110371

Ion Ratio Lower Upper

64 100

66 31.6 26.2 39.2





#7

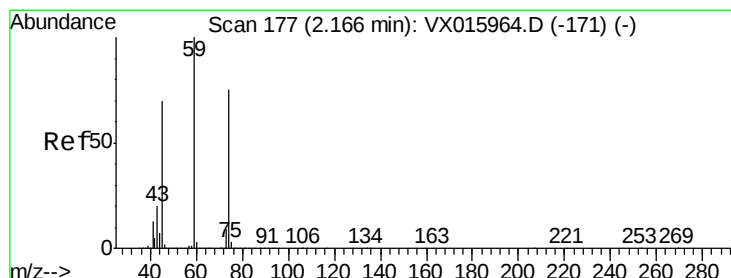
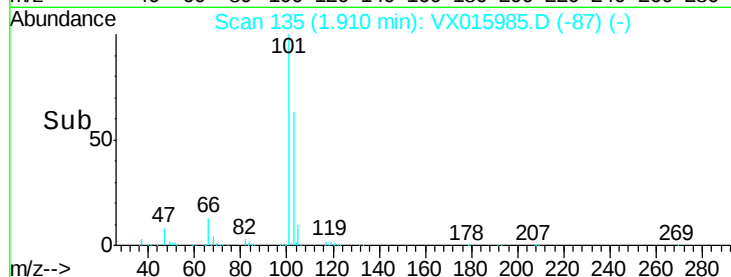
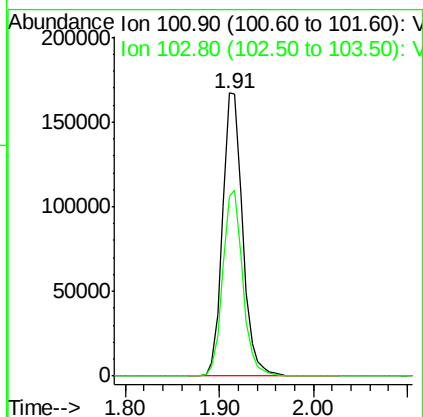
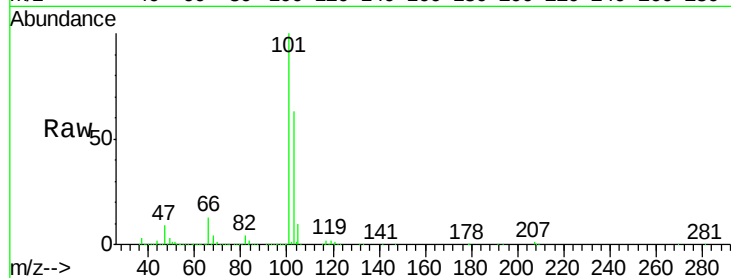
Trichlorofluoromethane
Concen: 49.513 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX015985.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.4	78.6

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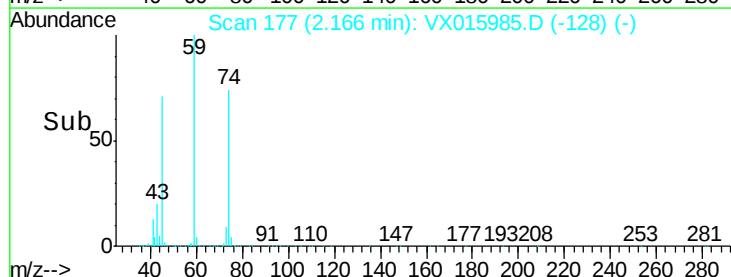
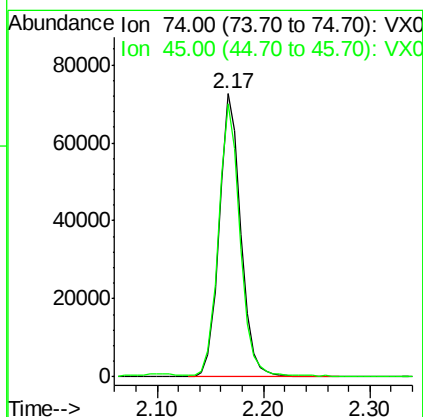
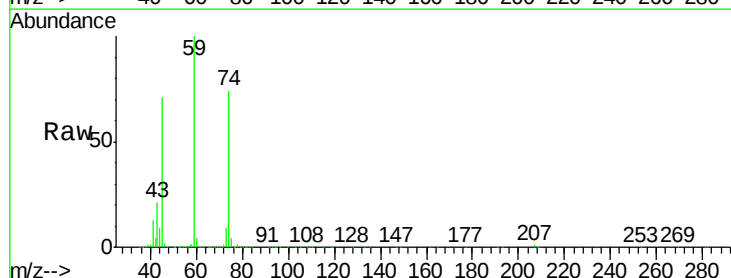
MMDadoda
4/30/2020 2:11:51 PM

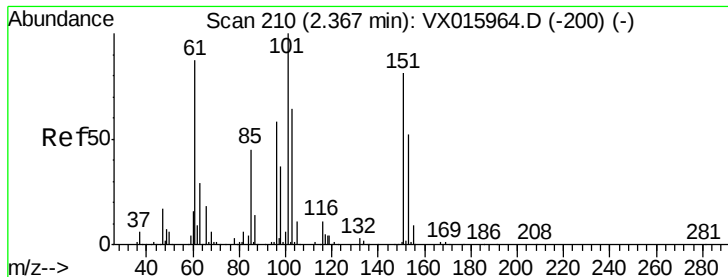


#8

Diethyl Ether
Concen: 49.058 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	47.1	141.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.738 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

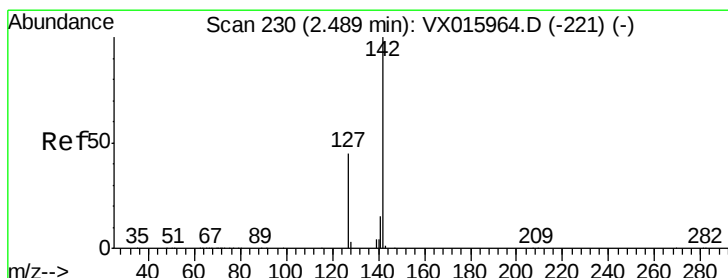
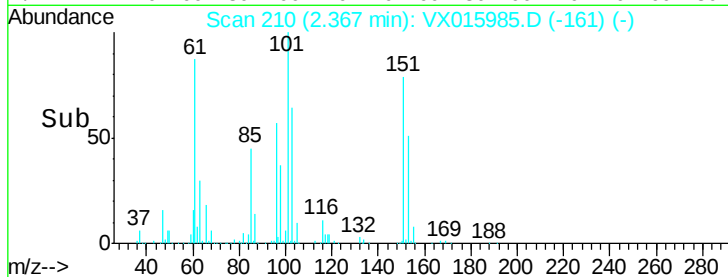
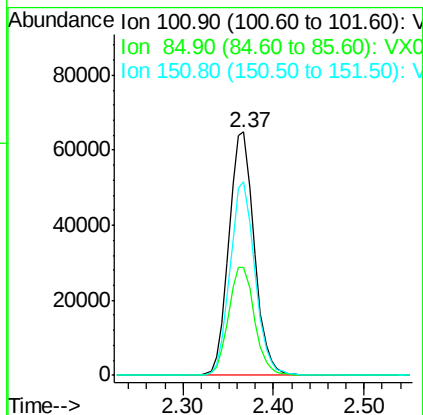
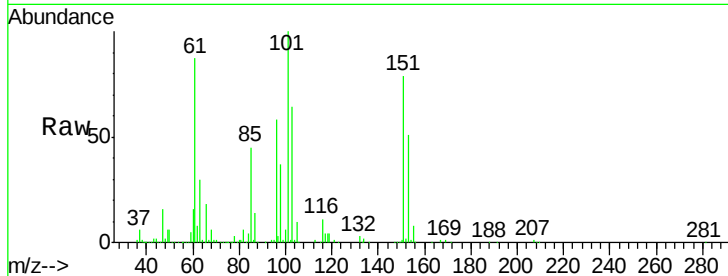
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	126328
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.3	54.5
151	78.2	63.1	94.7

Manual Integrations
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#10

Methyl Iodide

Concen: 51.890 ug/l

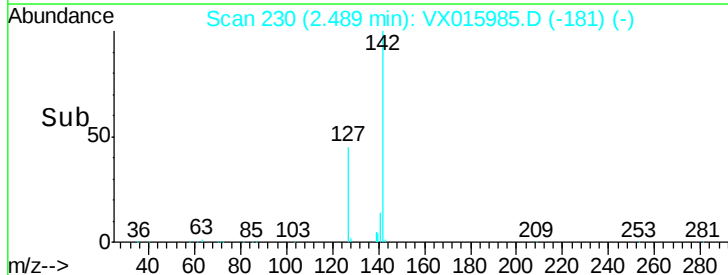
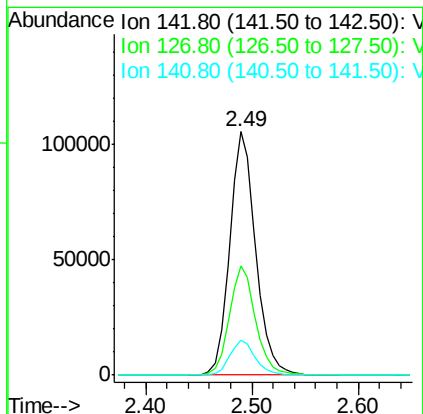
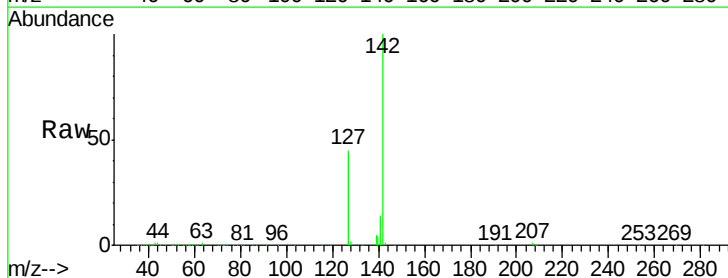
RT: 2.49 min Scan# 230

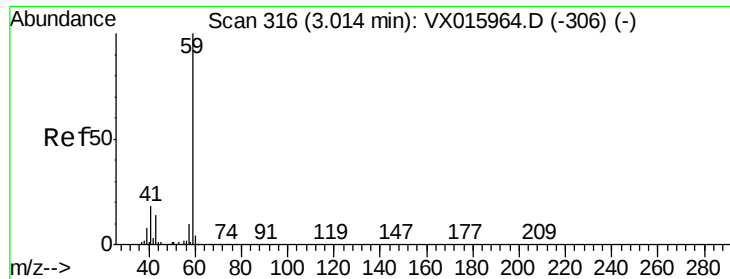
Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Tgt Ion:	142	Resp:	180225
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.5	54.7
141	14.1	11.6	17.4





#11

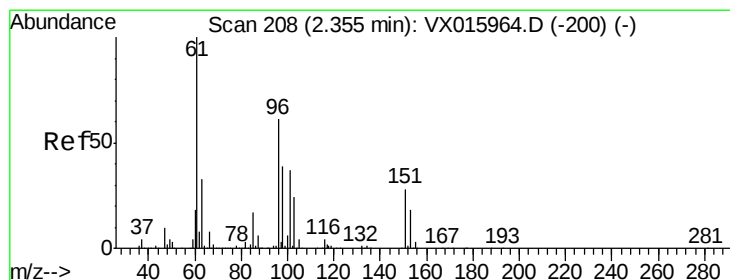
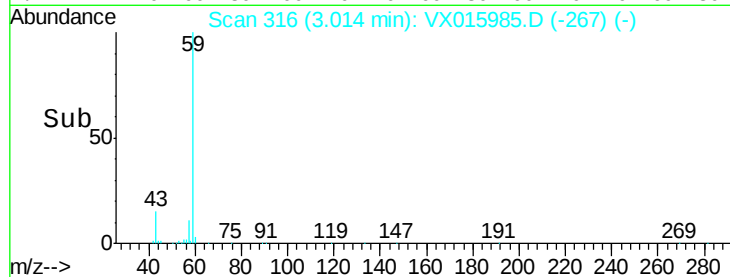
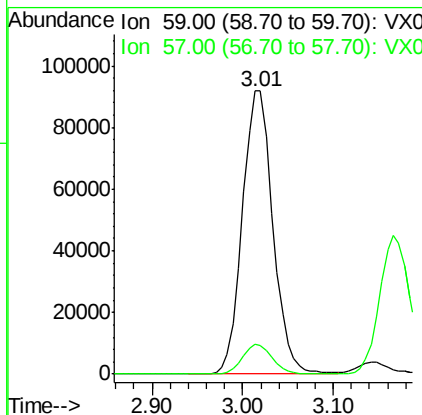
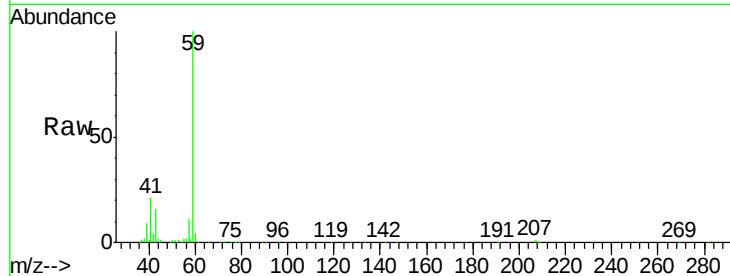
Tert butyl alcohol
Concen: 252.007 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.6	8.3	12.5

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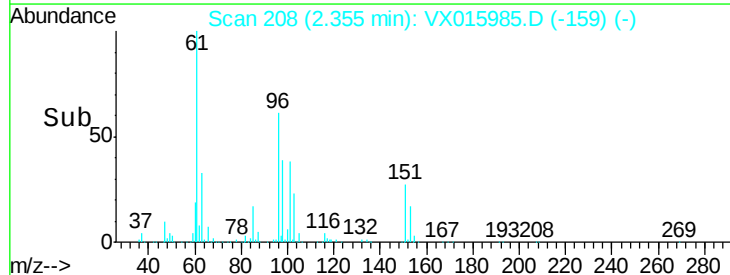
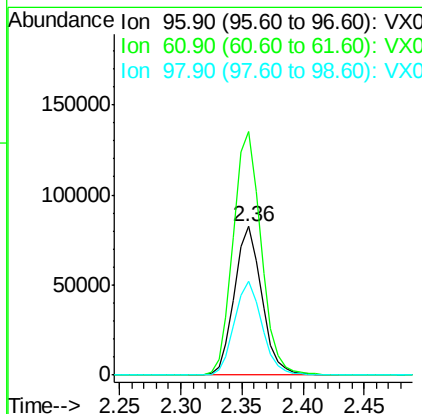
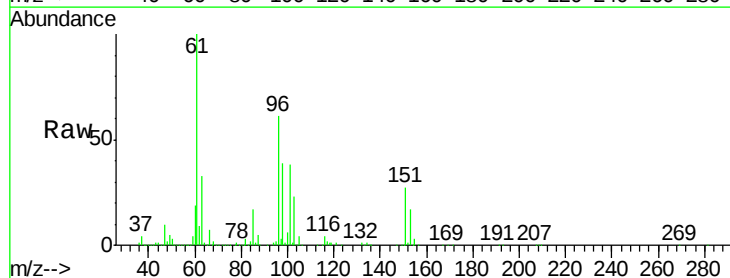
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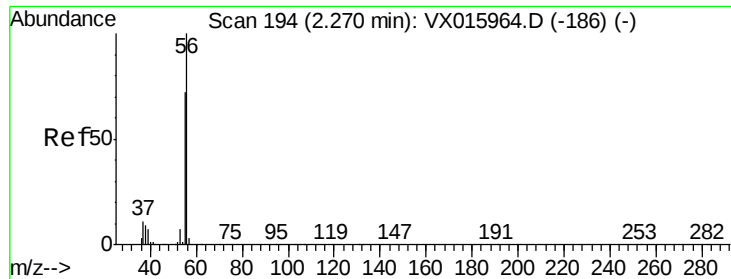


#12

1,1-Dichloroethene
Concen: 49.711 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	164.0	131.0	196.4
98	98	63.3	50.7	76.1





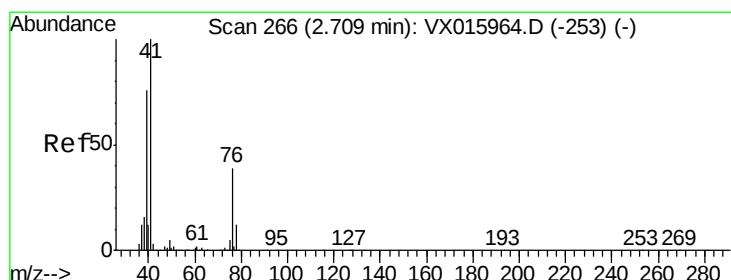
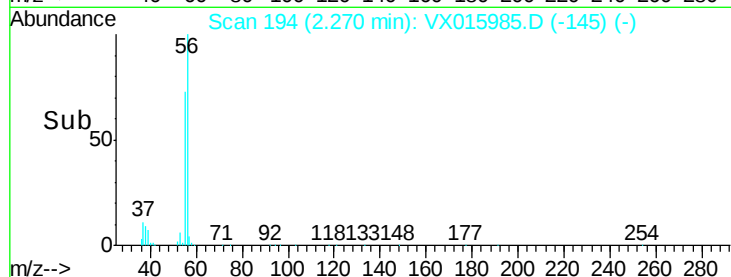
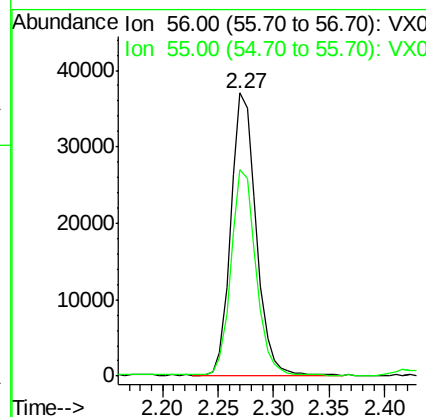
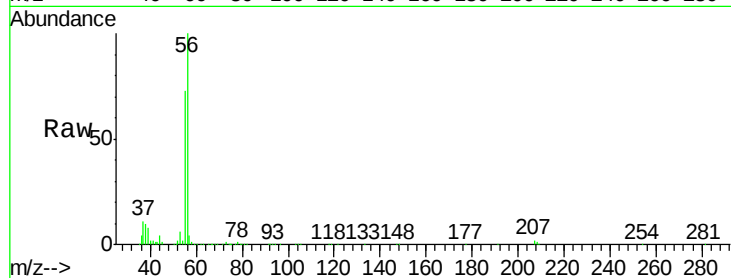
#13
Acrolein
Concen: 270.584 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.8	56.9	85.3

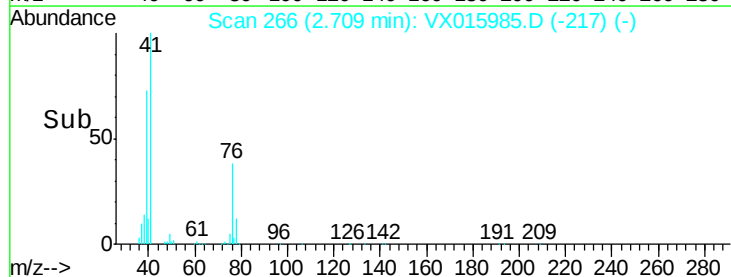
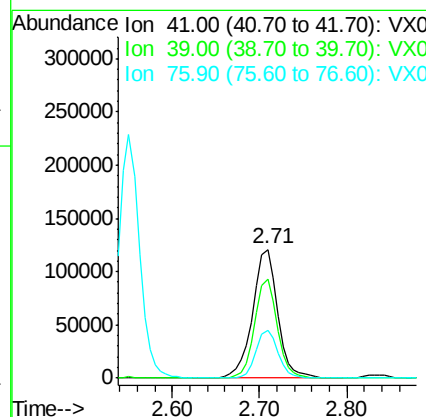
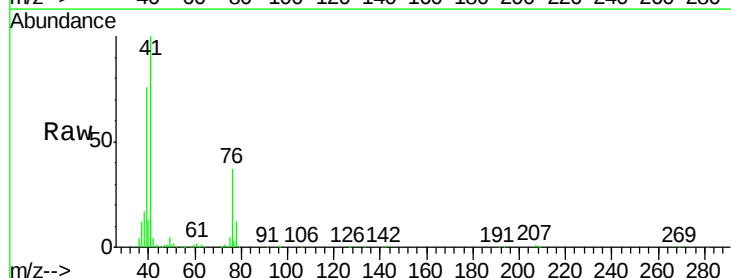
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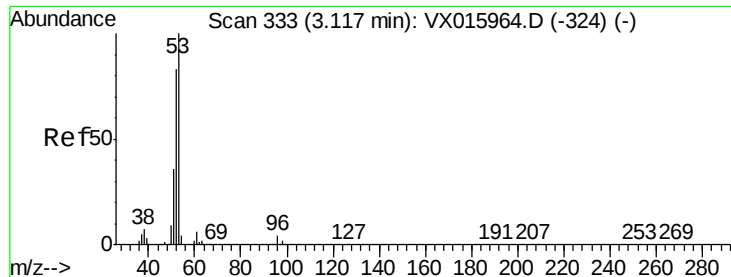
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#14
Allyl chloride
Concen: 51.695 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.5	55.4	83.0
76	33.0	27.1	40.7





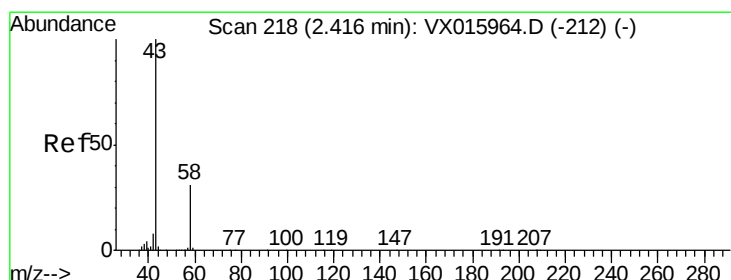
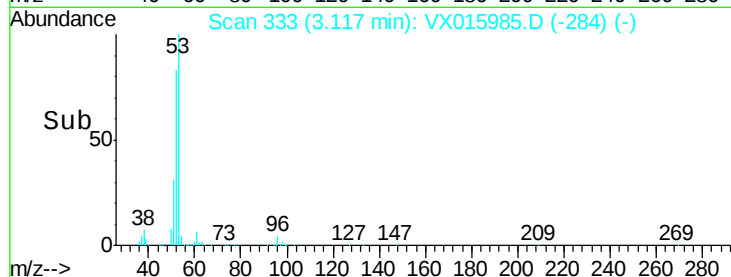
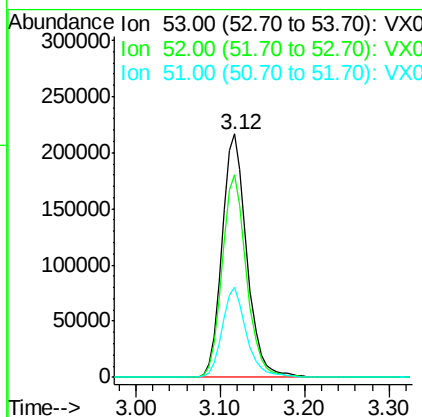
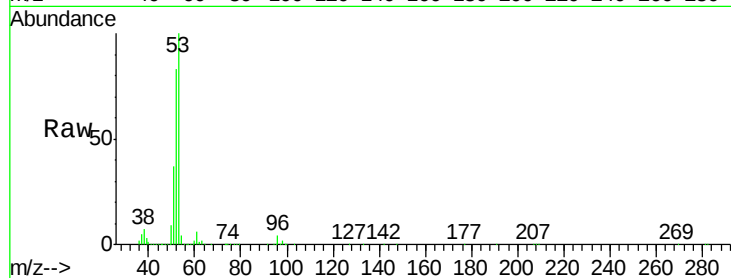
#15
 Acrylonitrile
 Concen: 258.307 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	436150
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.5	98.3
51	36.6	28.7	43.1

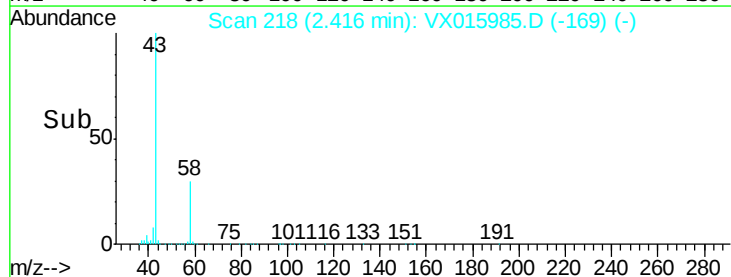
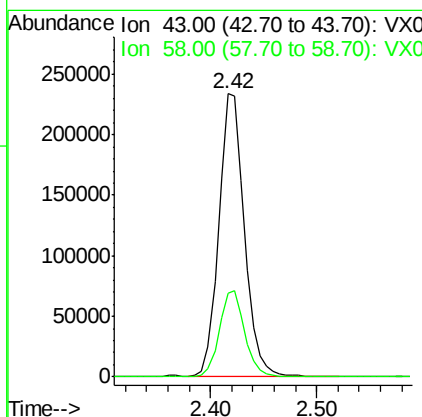
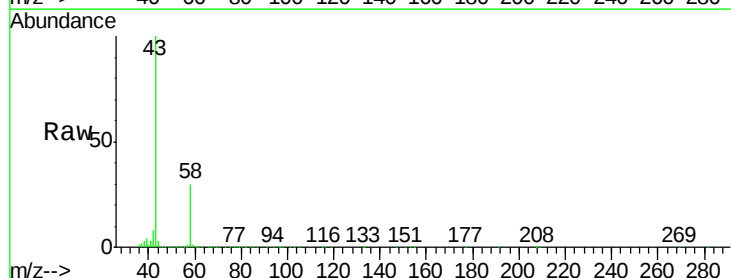
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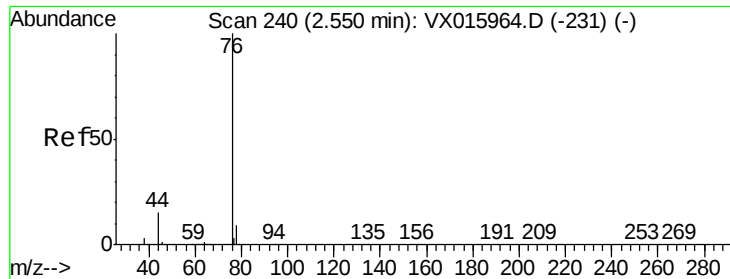
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#16
 Acetone
 Concen: 259.141 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Tgt Ion:	43	Resp:	388747
Ion Ratio	Lower	Upper	
43	100		
58	29.8	25.1	37.7





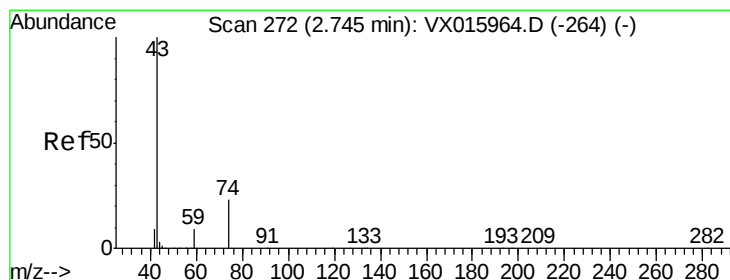
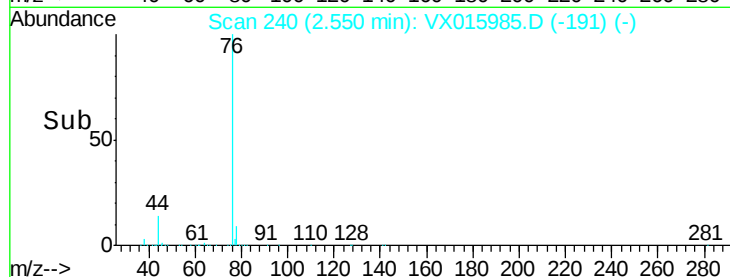
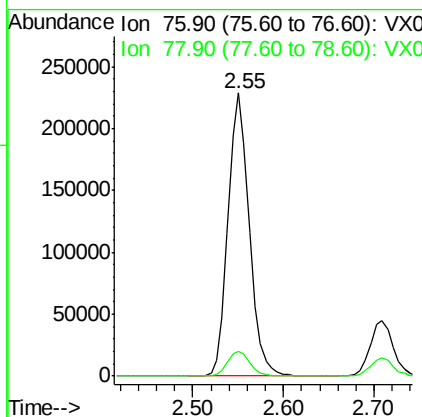
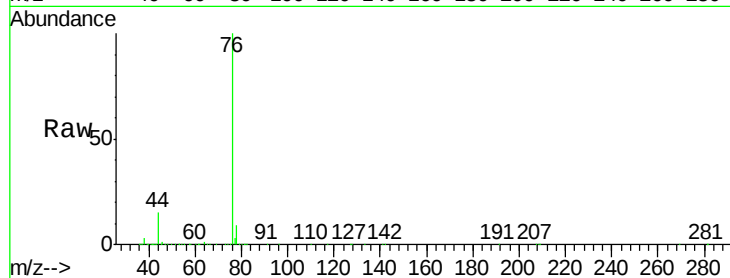
#17
Carbon Disulfide
Concen: 49.643 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

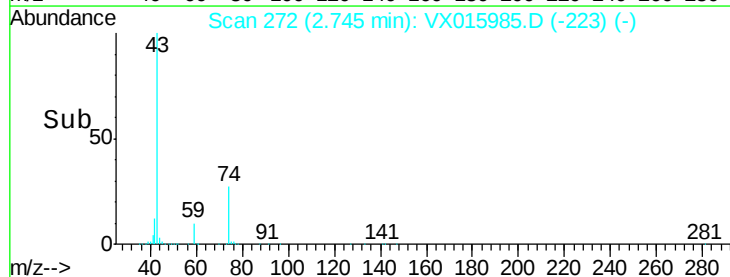
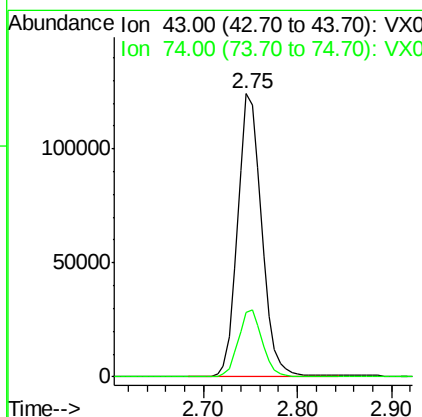
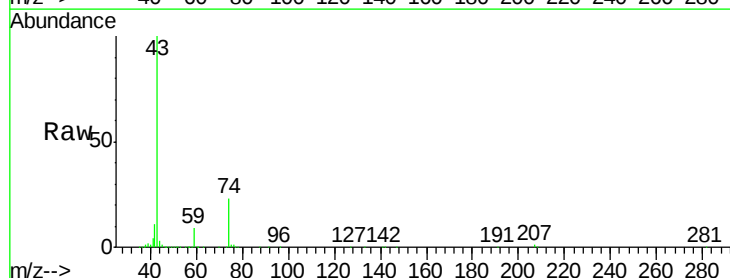
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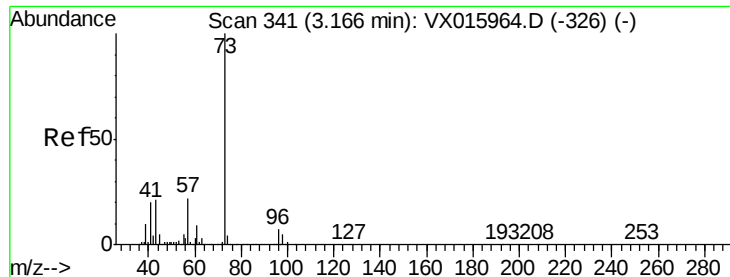
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#18
Methyl Acetate
Concen: 51.864 ug/l
RT: 2.75 min Scan# 272
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.6	29.4





#19

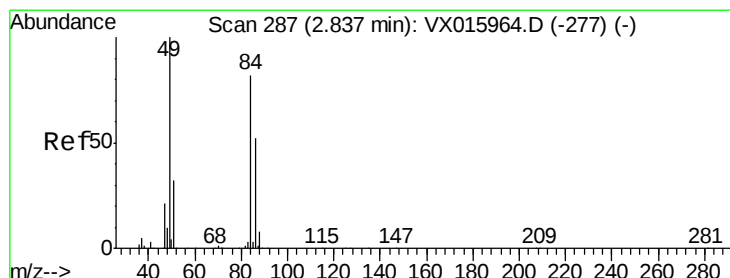
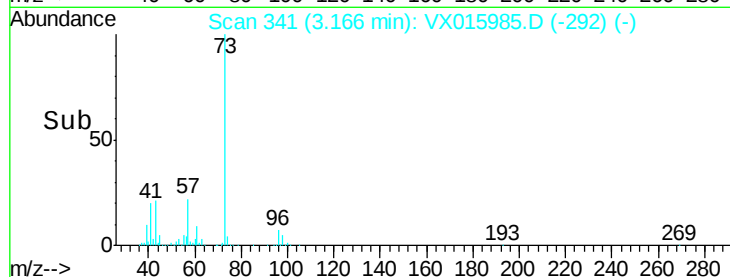
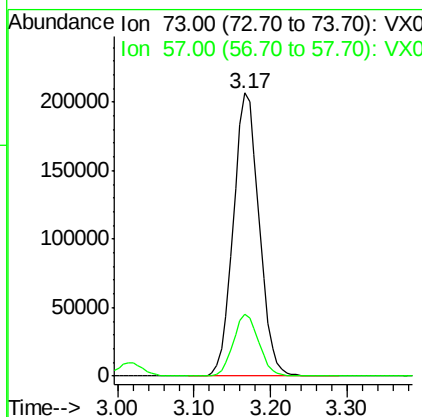
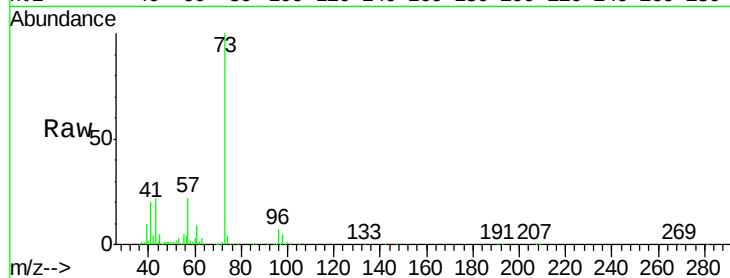
Methyl tert-butyl Ether
 Concen: 51.834 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	73	Resp	481278
Ion Ratio	Lower	Upper	
73	100		
57	21.8	17.5	26.3

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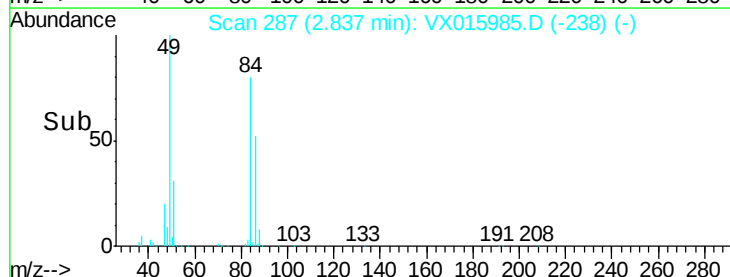
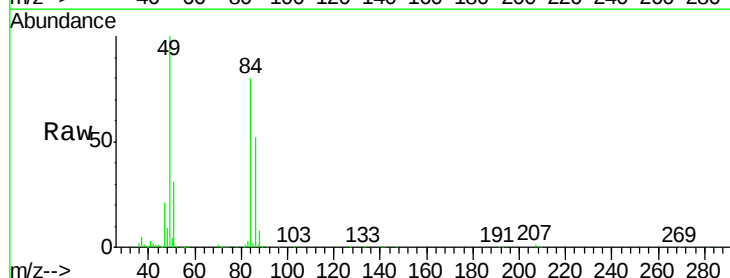
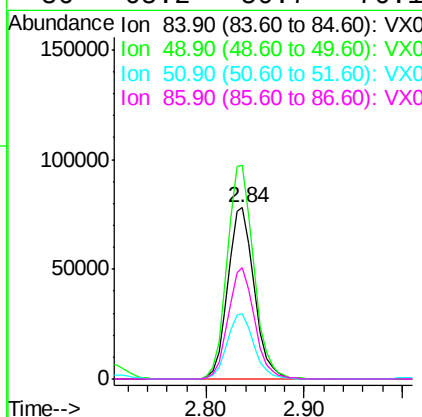
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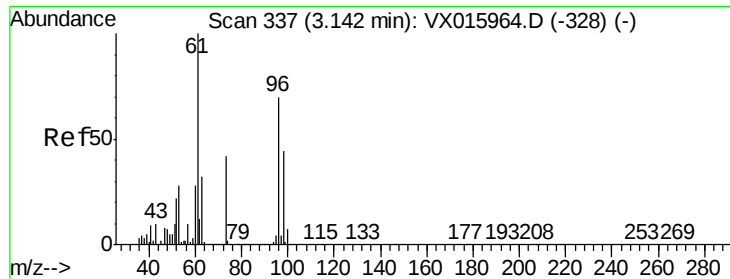


#20

Methylene Chloride
 Concen: 49.326 ug/l
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Tgt Ion	84	Resp	146481
Ion Ratio	Lower	Upper	
84	100		
49	124.7	97.9	146.9
51	38.3	31.2	46.8
86	65.2	50.7	76.1





#21

trans-1,2-Dichloroethene

Concen: 48.756 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

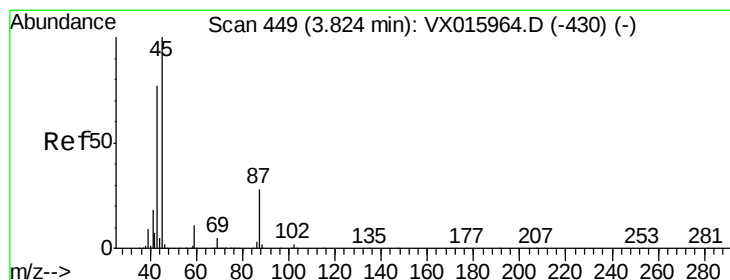
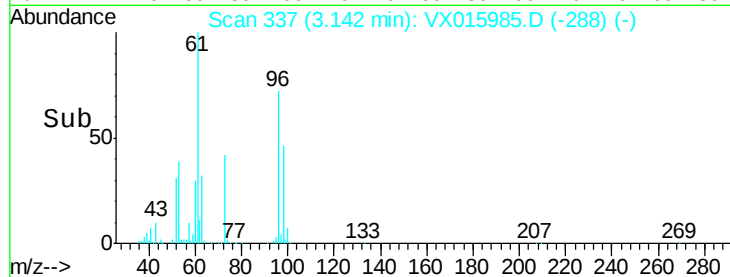
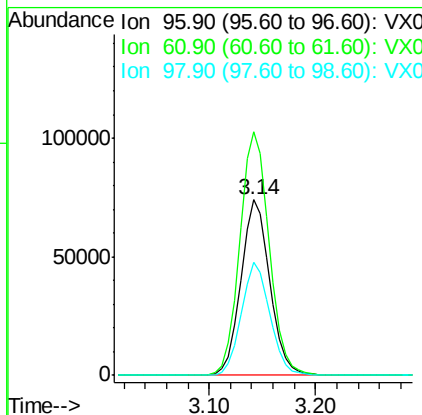
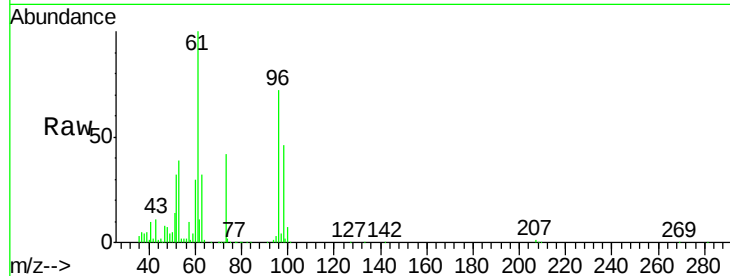
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	141061
Ion	Ratio	Lower	Upper
96	100		
61	138.9	113.6	170.4
98	64.6	50.3	75.5

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#22

Diisopropyl ether

Concen: 52.016 ug/l

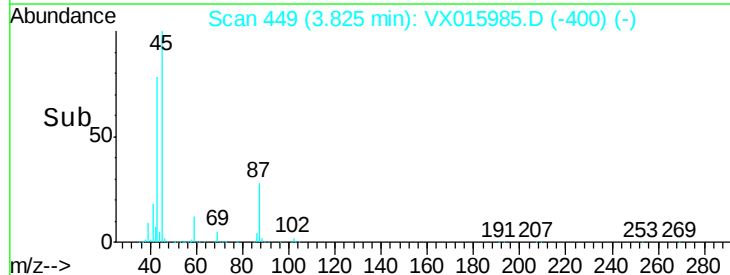
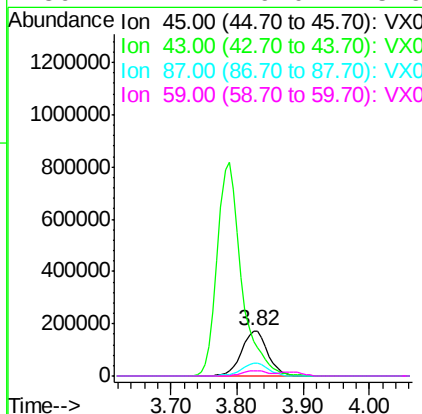
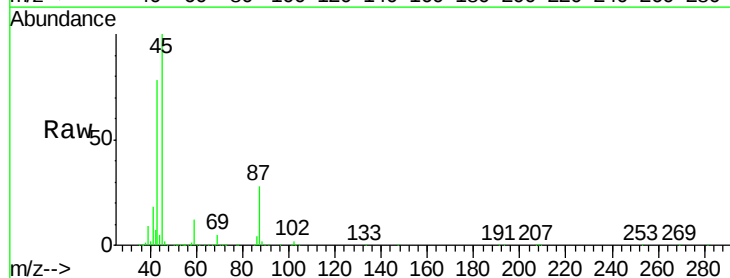
RT: 3.82 min Scan# 449

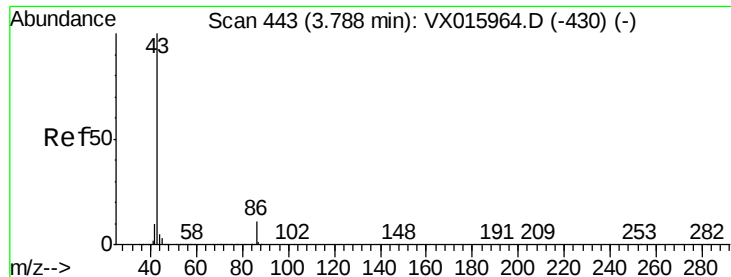
Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Tgt Ion:	45	Resp:	473385
Ion	Ratio	Lower	Upper
45	100		
43	77.9	61.3	91.9
87	27.5	22.6	33.8
59	12.1	9.0	13.6





#23

Vinyl Acetate

Concen: 264.768 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2093143

Ion Ratio Lower Upper

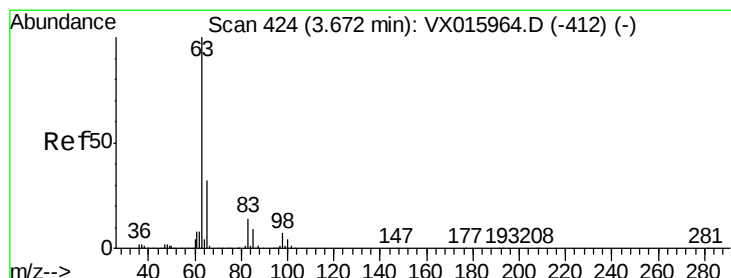
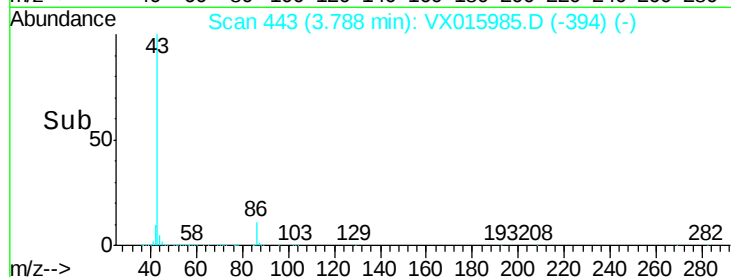
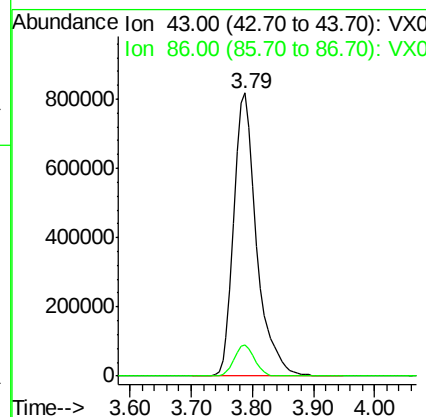
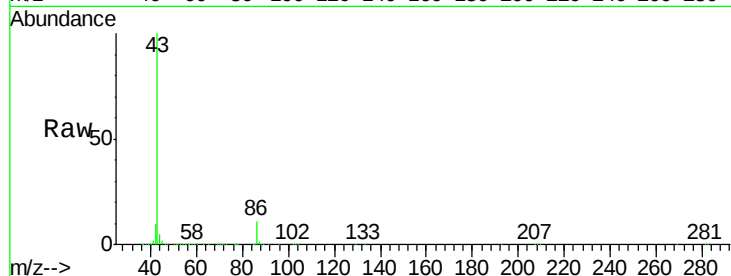
43 100

86 10.9 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 52.162 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

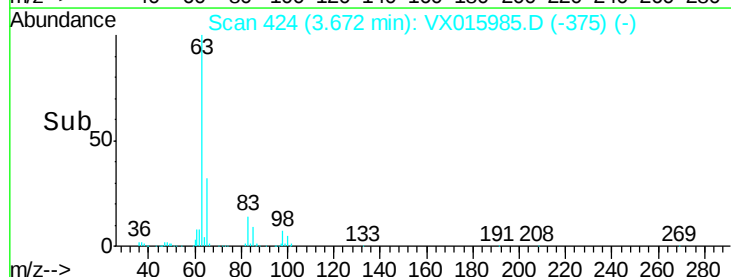
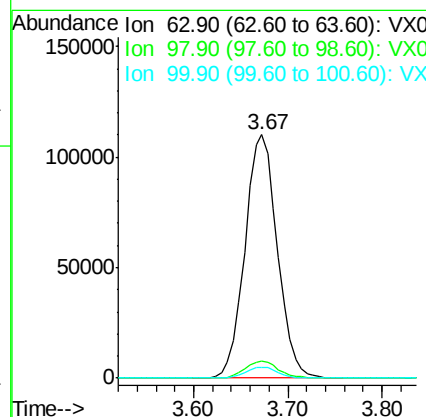
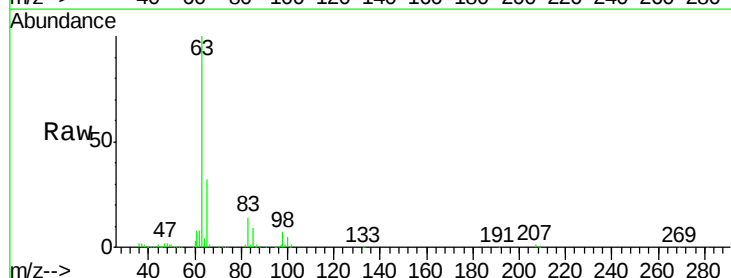
Tgt Ion: 63 Resp: 264446

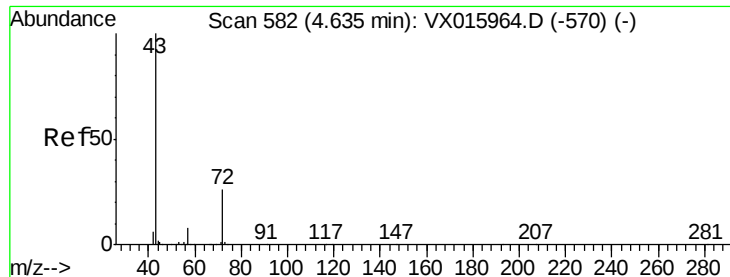
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 259.670 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 631243

Ion Ratio Lower Upper

43 100

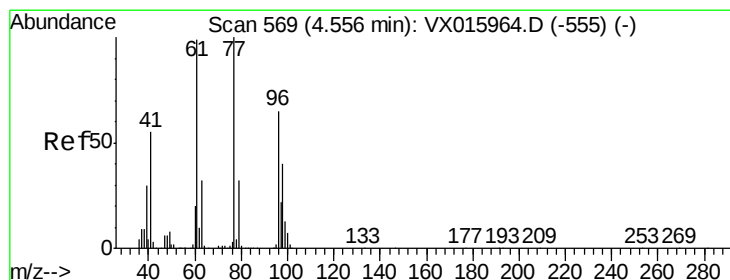
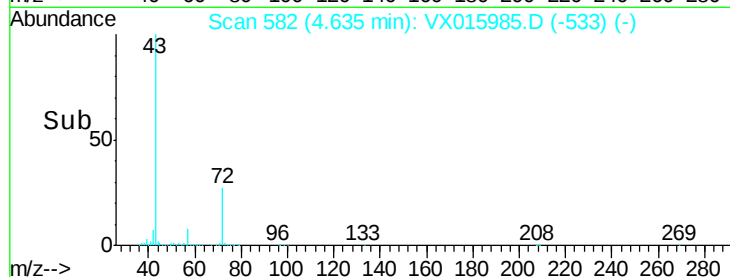
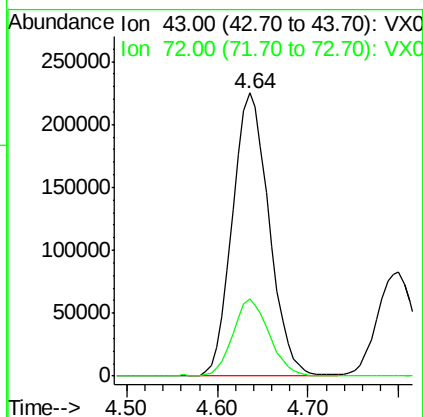
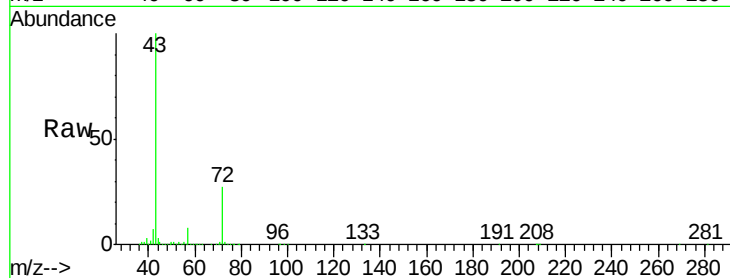
72 27.2 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 48.055 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX015985.D

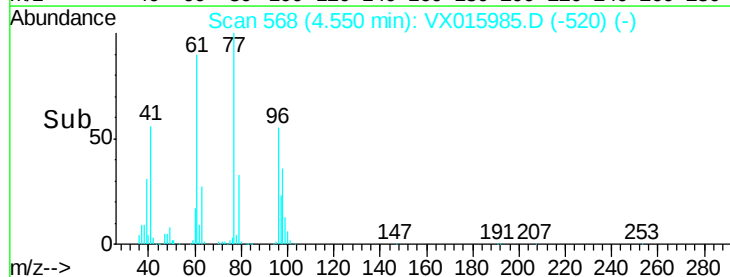
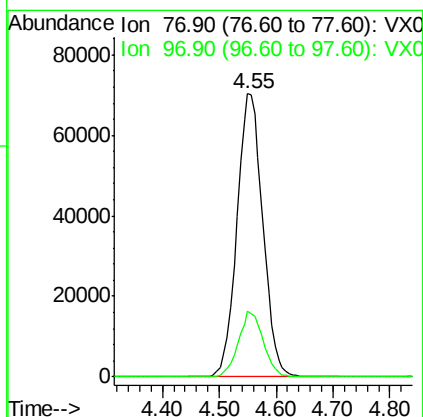
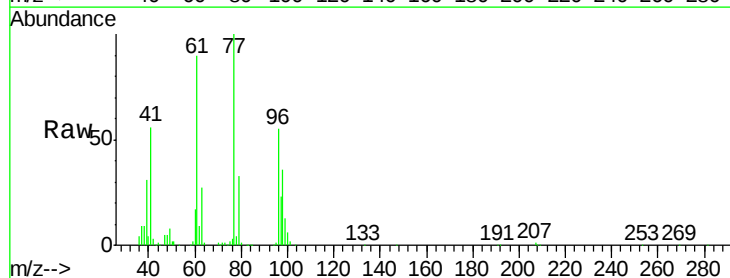
Acq: 29 Apr 2020 18:18

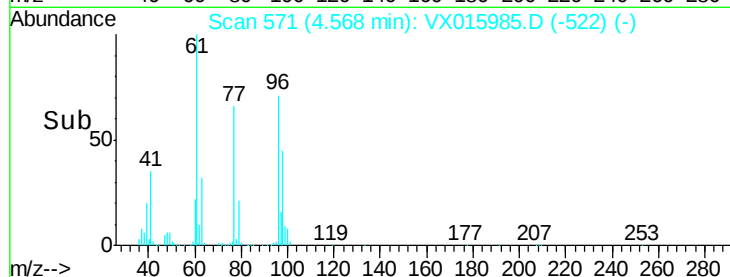
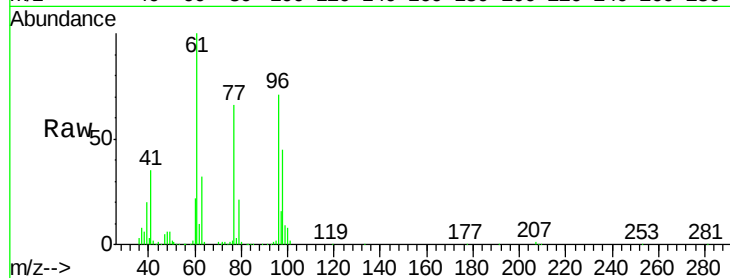
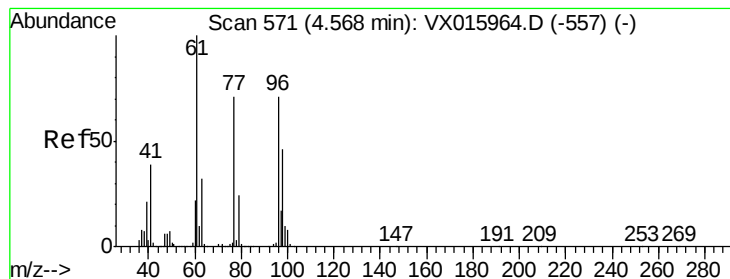
Tgt Ion: 77 Resp: 222751

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 49.753 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Tot Ion:	96	Resp:	163349
Ion Ratio	Lower	Upper	
96	100		
61	148.2	0.0	294.2
98	64.5	0.0	127.4

Instrument :

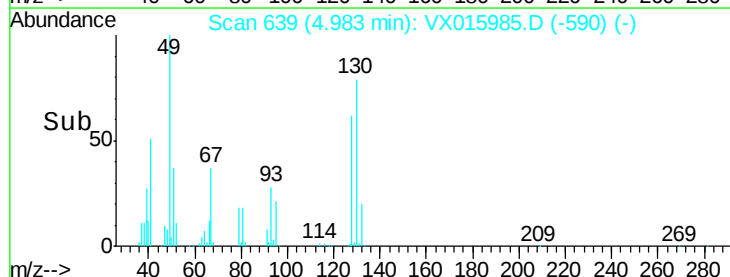
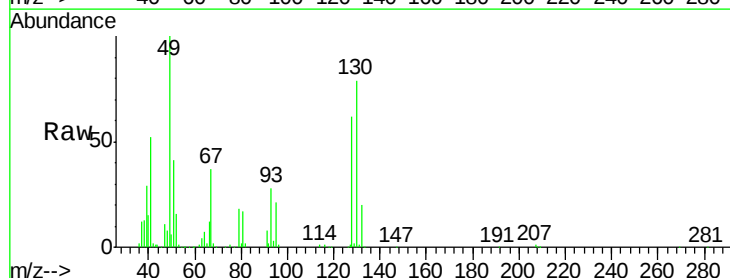
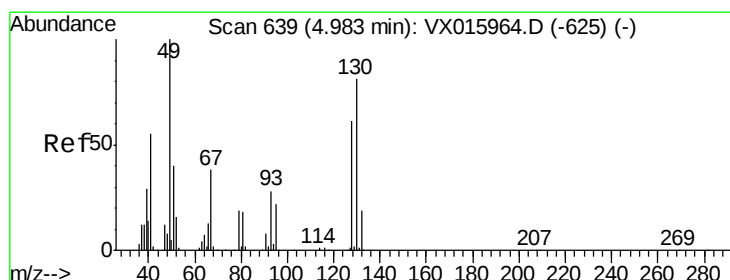
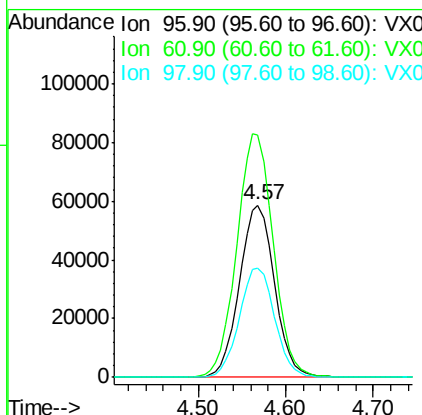
MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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#28

Bromochloromethane

Concen: 48.612 ug/l

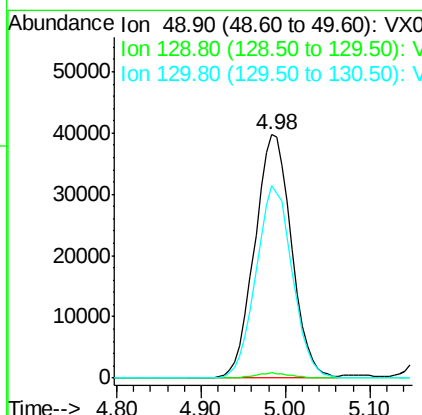
RT: 4.98 min Scan# 639

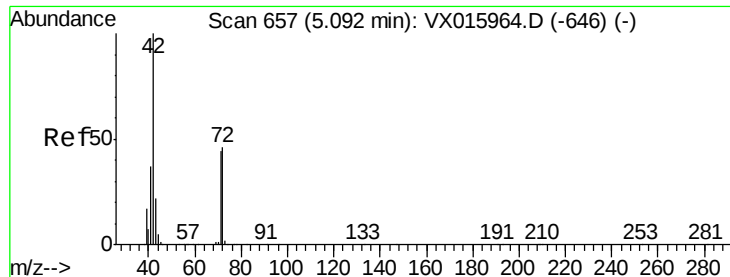
Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Tgt Ion:	49	Resp:	119259
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.6
130	78.2	63.9	95.9





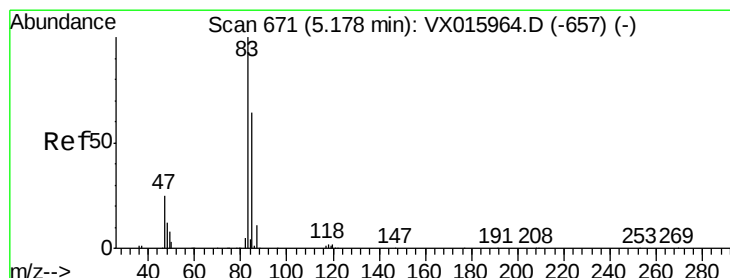
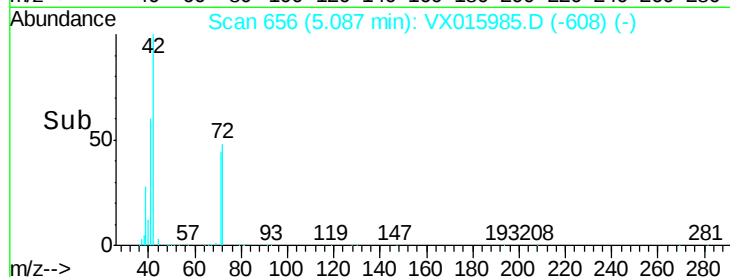
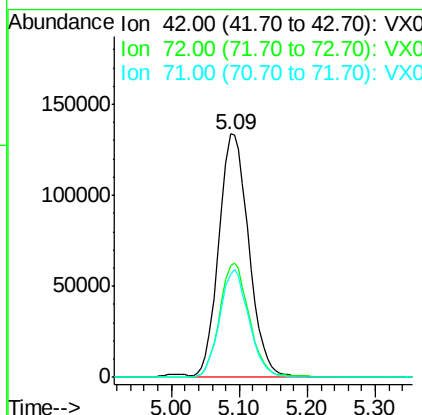
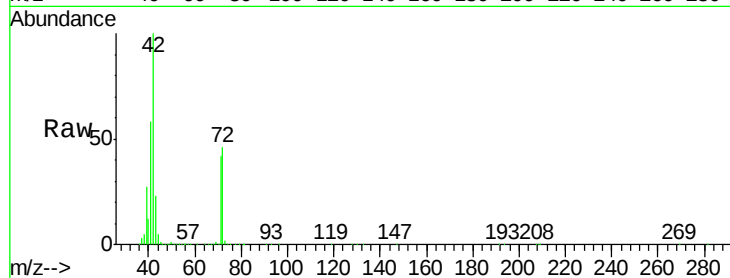
#29
Tetrahydrofuran
Concen: 256.303 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.4	56.0
71	43.2	34.6	52.0

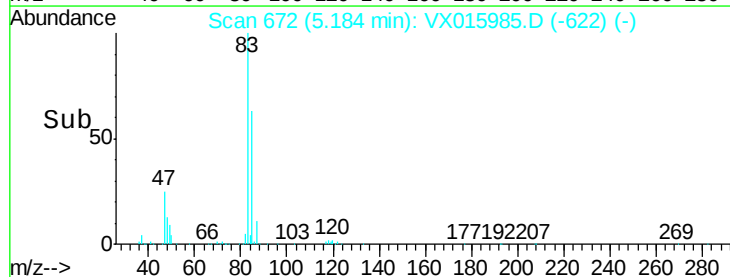
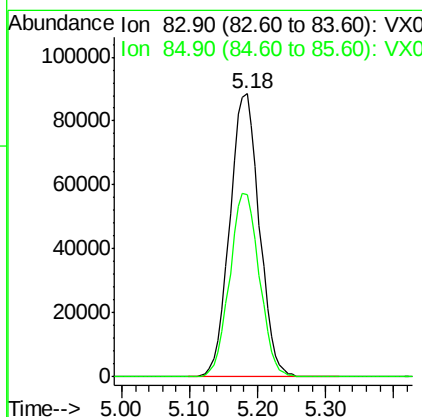
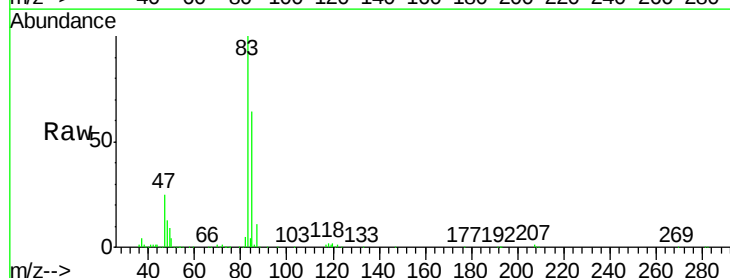
Manual Integrations
APPROVED

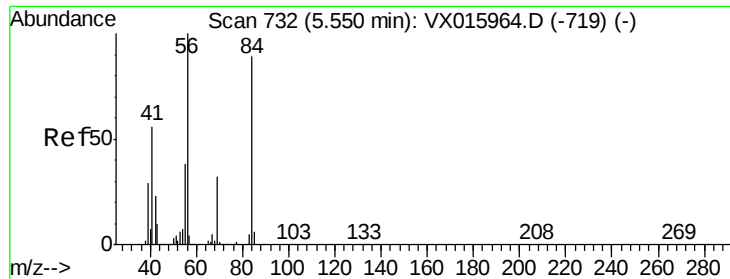
MMDadoda
4/30/2020 2:11:51 PM



#30
Chloroform
Concen: 50.706 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.4





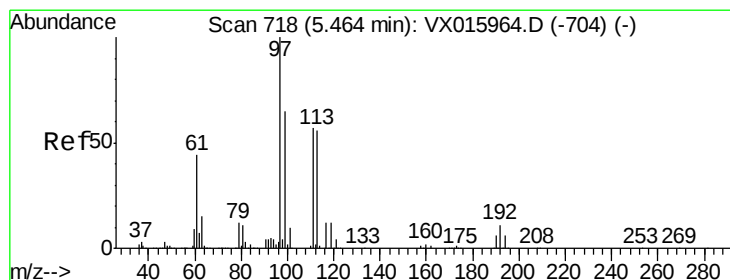
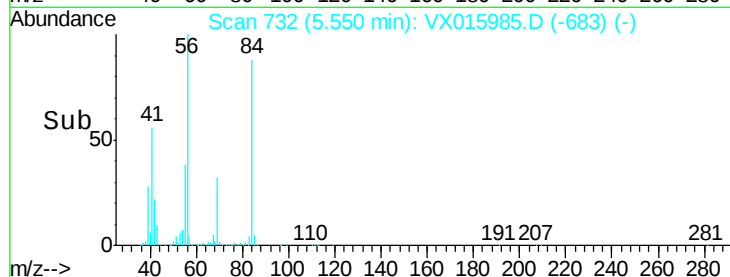
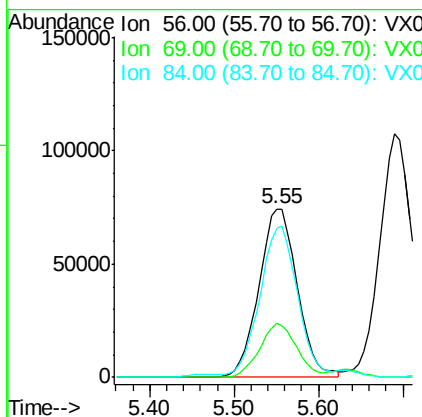
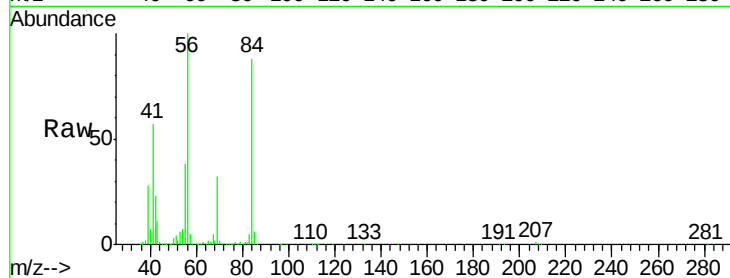
#31
Cyclohexane
Concen: 51.672 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.4	38.2
84	87.2	71.0	106.6

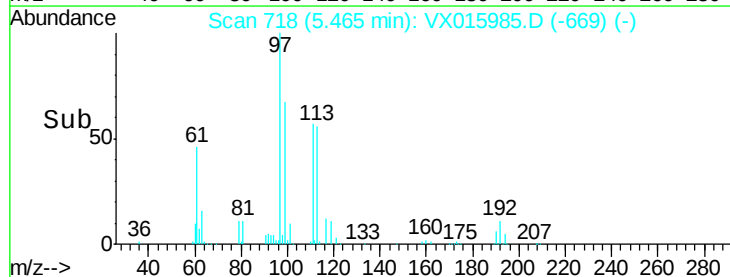
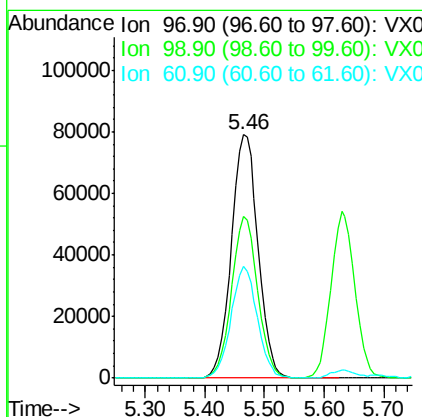
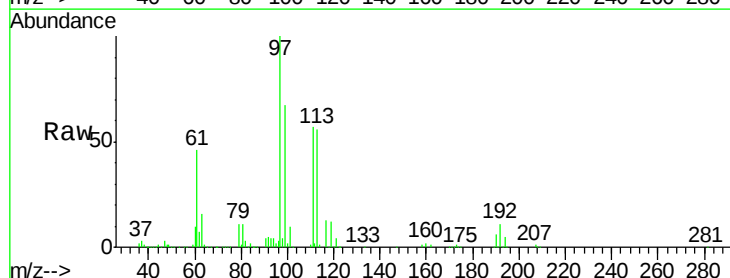
Manual Integrations
APPROVED

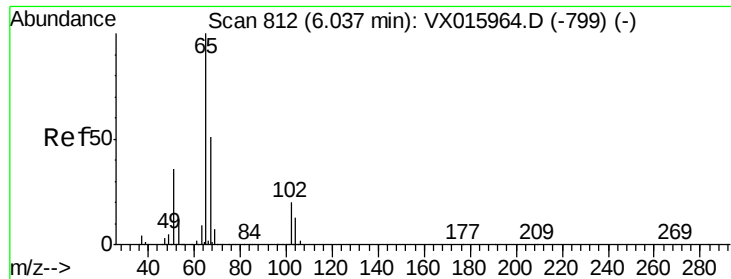
MMDadoda
4/30/2020 2:11:51 PM



#32
1,1,1-Trichloroethane
Concen: 50.768 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	45.1	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 48.160 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 168951

Ion Ratio Lower Upper

65 100

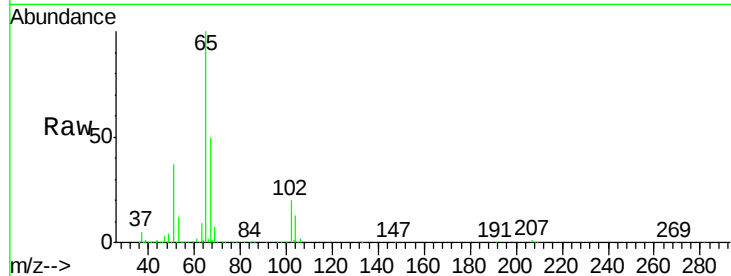
67 51.1 0.0 102.4

Manual Integrations

APPROVED

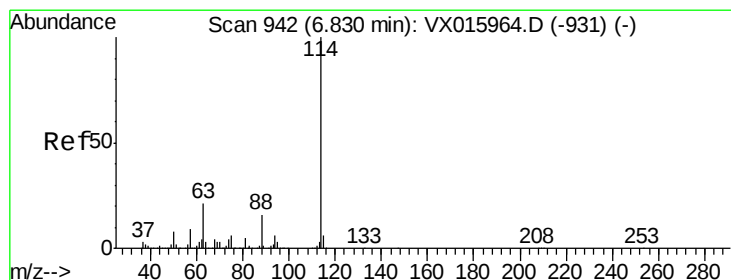
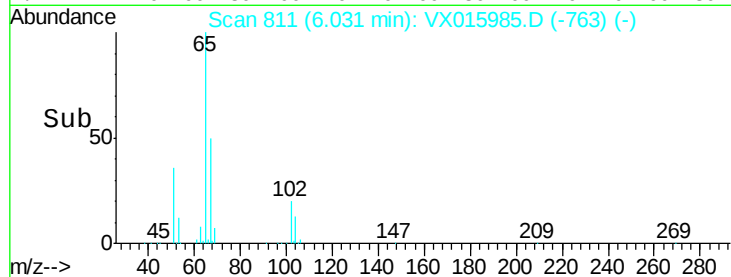
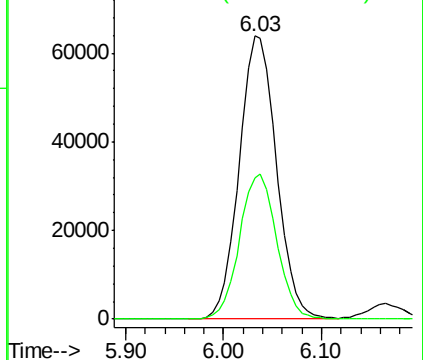
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

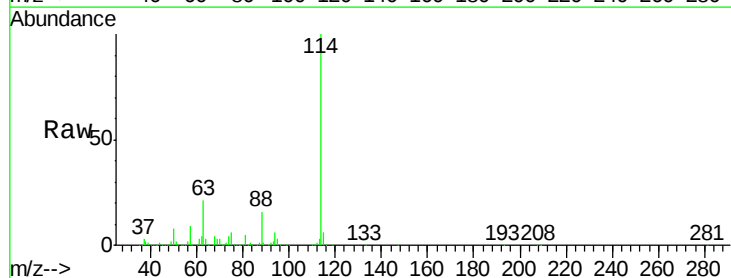
Tgt Ion: 114 Resp: 428340

Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.2

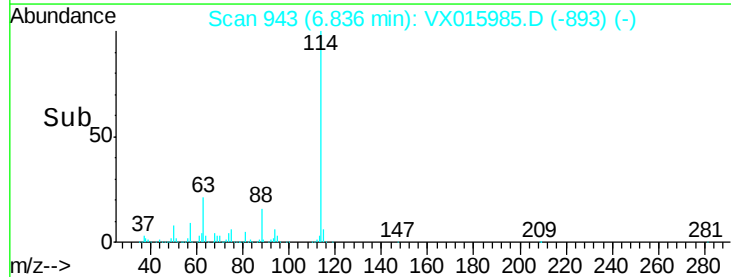
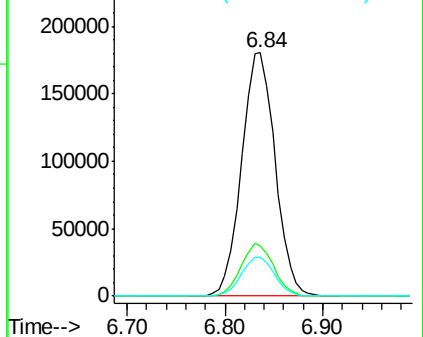
88 16.1 0.0 31.8

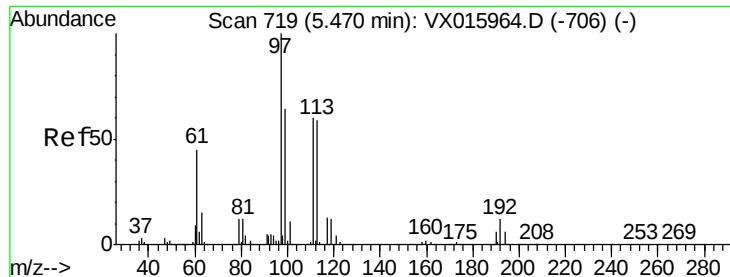


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





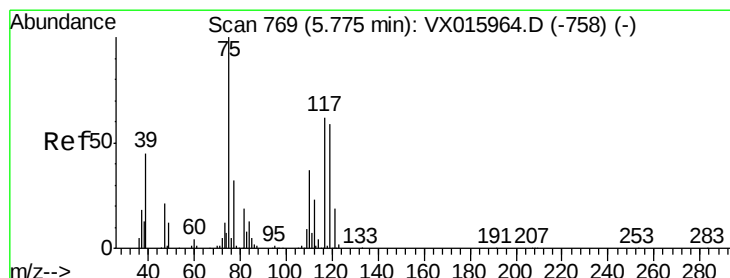
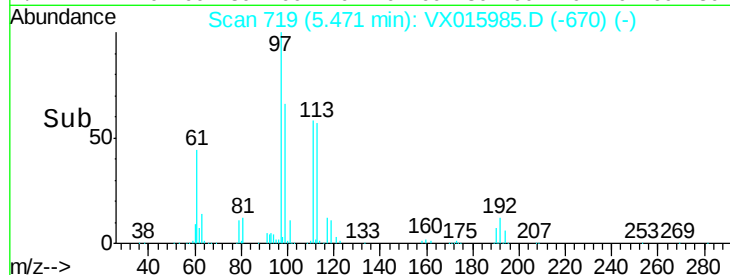
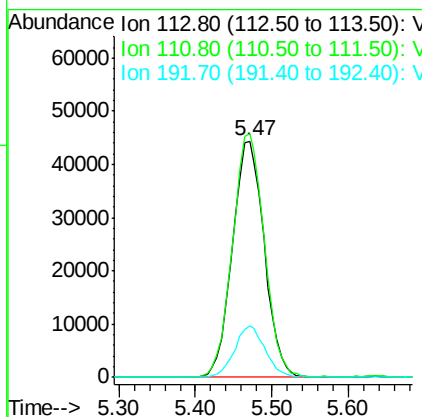
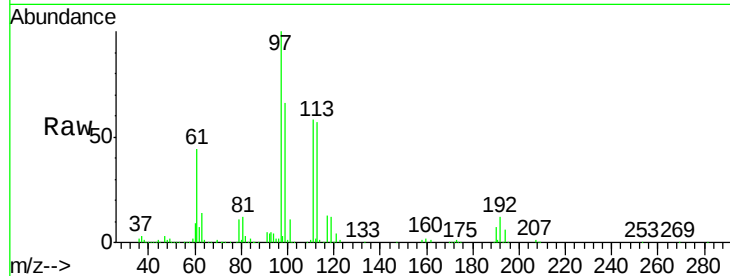
#35
 Dibromofluoromethane
 Concen: 47.881 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	21.1	16.8	25.2

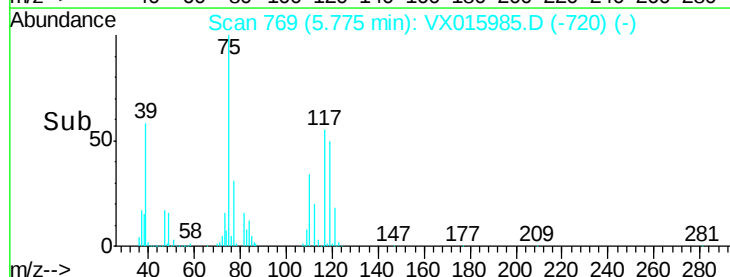
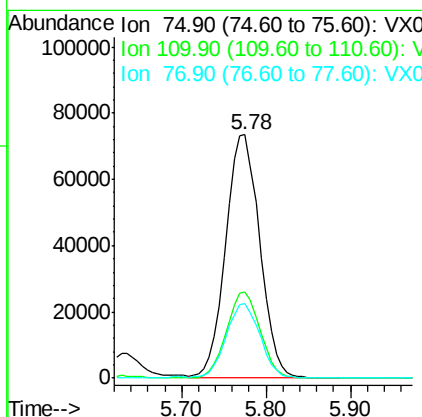
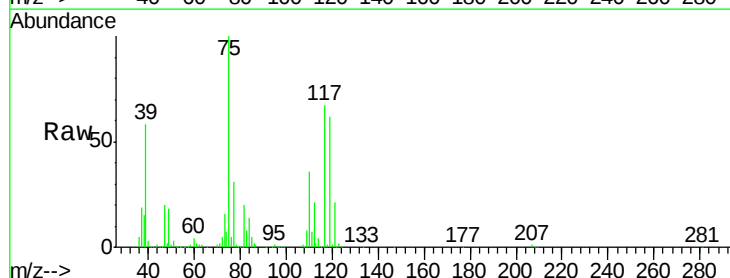
Manual Integrations
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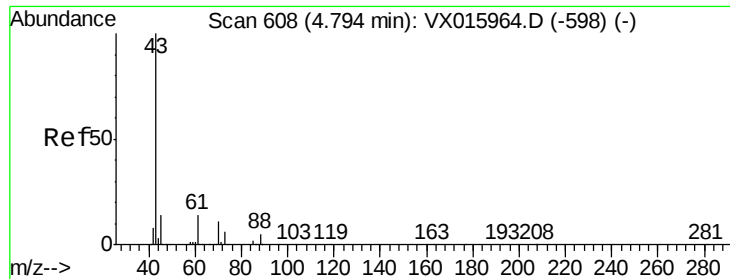
MMDadoda
 4/30/2020 2:11:51 PM



#36
 1,1-Dichloropropene
 Concen: 49.377 ug/l
 RT: 5.78 min Scan# 769
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.9	53.7
77	30.7	25.2	37.8





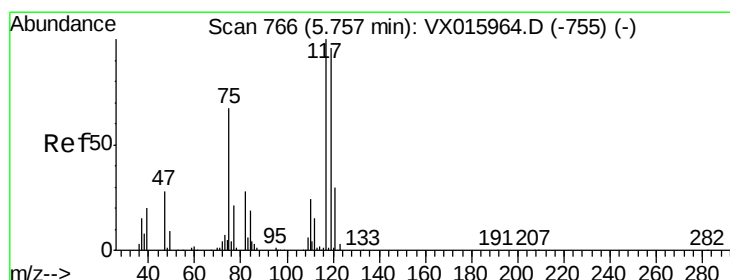
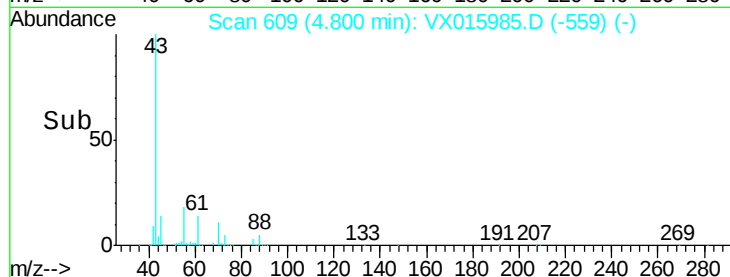
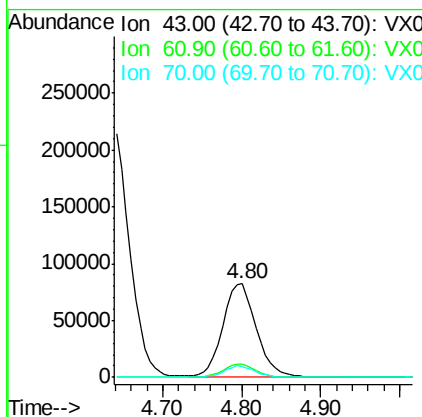
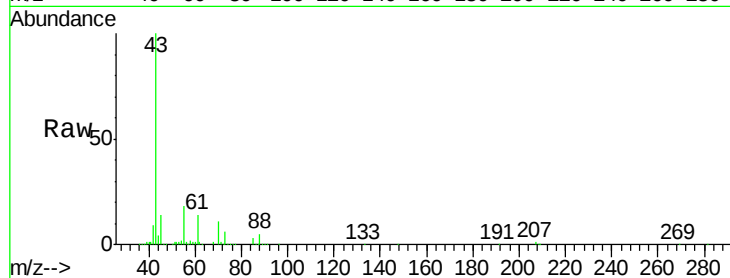
#37
Ethyl Acetate
Concen: 51.819 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.6	17.4
70	11.2	8.9	13.3

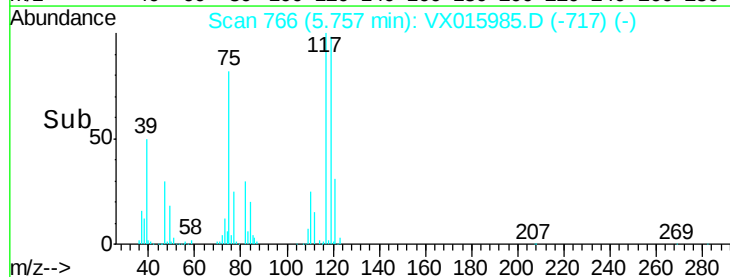
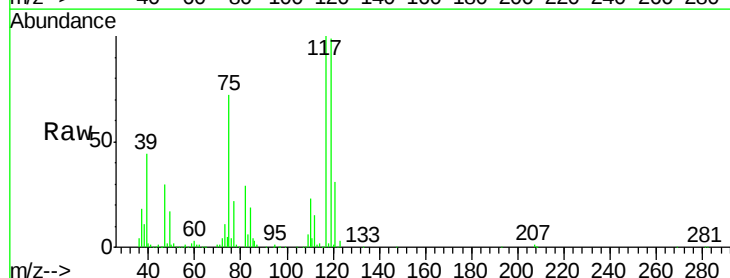
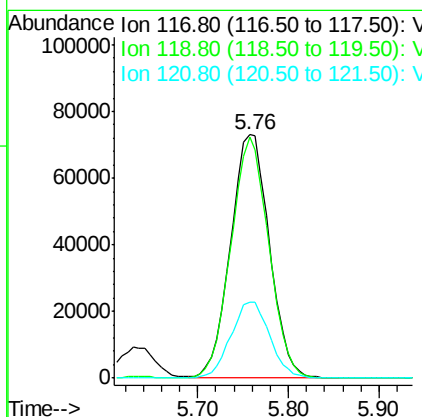
Manual Integrations
APPROVED

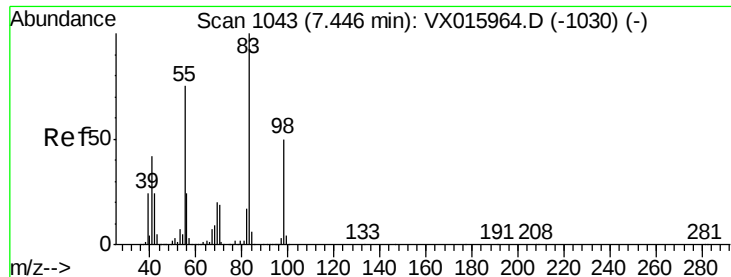
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#38
Carbon Tetrachloride
Concen: 50.328 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	76.2	114.4
121	31.3	24.2	36.4





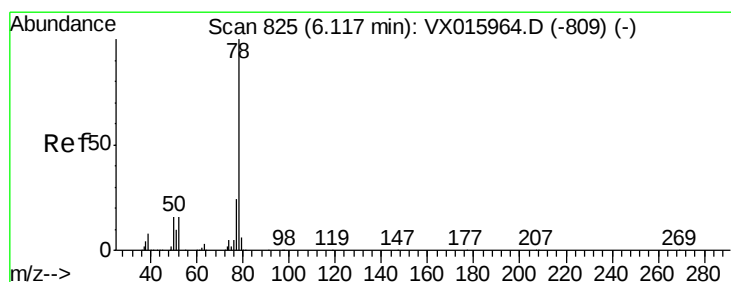
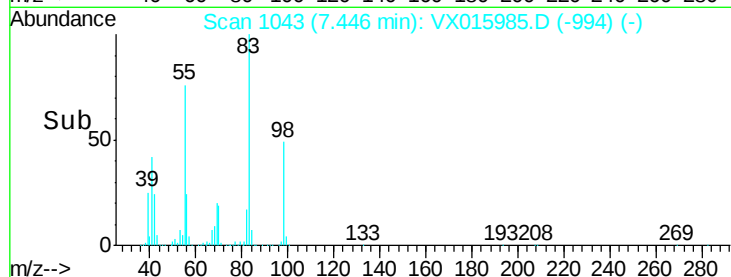
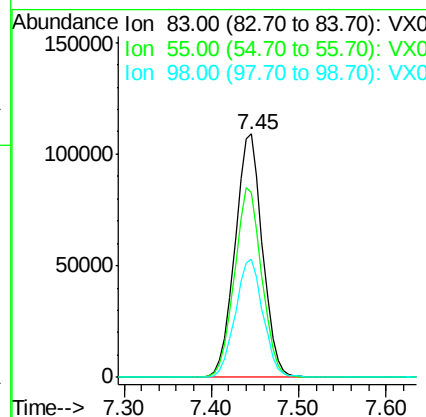
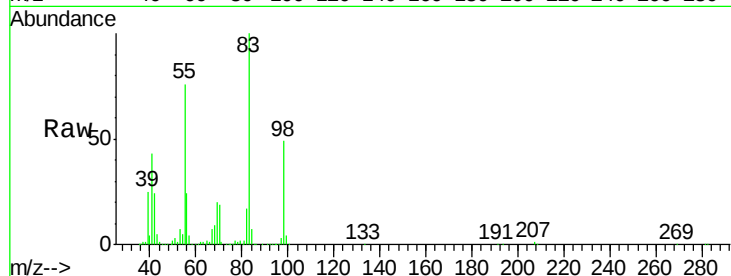
#39
Methvlcvclohexane
Concen: 50.419 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	59.9	89.9
98	48.6	39.9	59.9

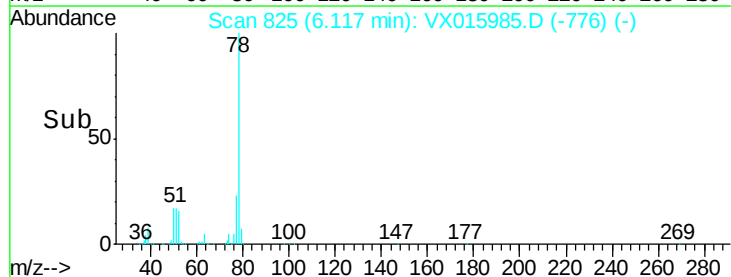
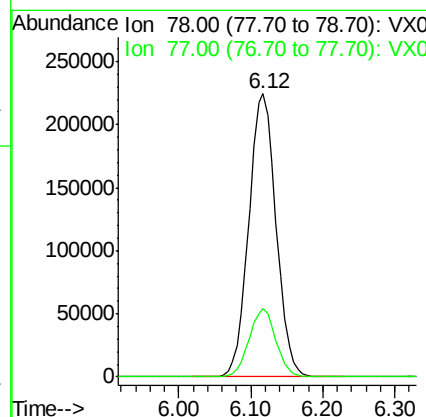
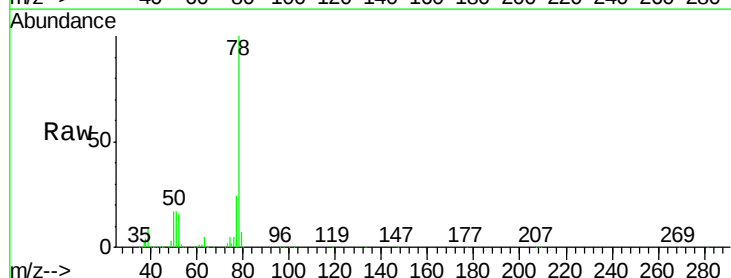
Manual Integrations
APPROVED

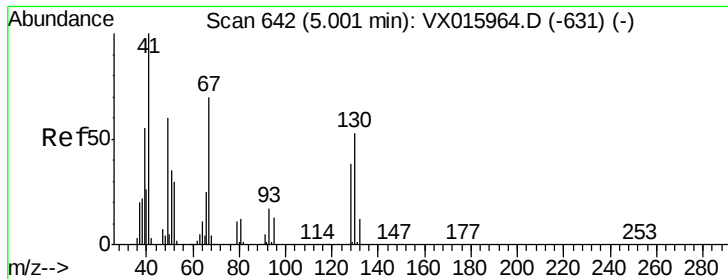
MMDadoda
4/30/2020 2:11:51 PM



#40
Benzene
Concen: 50.650 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





#41

Methacrylonitrile

Concen: 51.387 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 128674
Ion Ratio Lower Upper

41 100

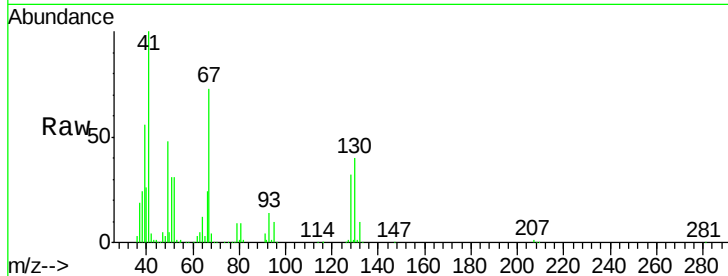
39 57.9 45.2 67.8

67 74.3 59.4 89.2

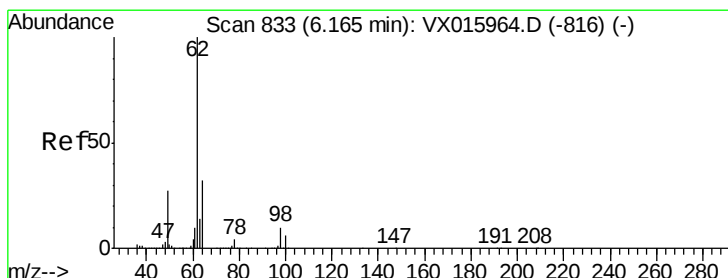
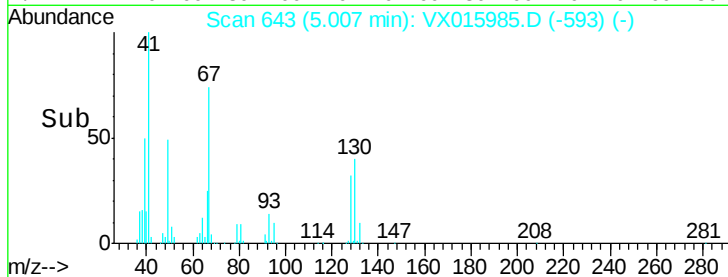
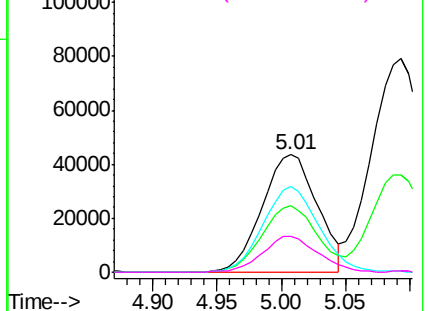
52 30.5 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
4/30/2020 2:11:51 PM



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 50.893 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.00 min

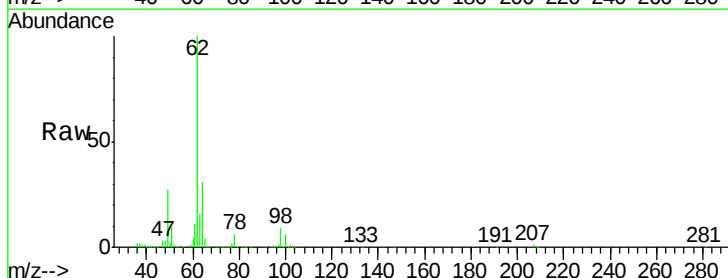
Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

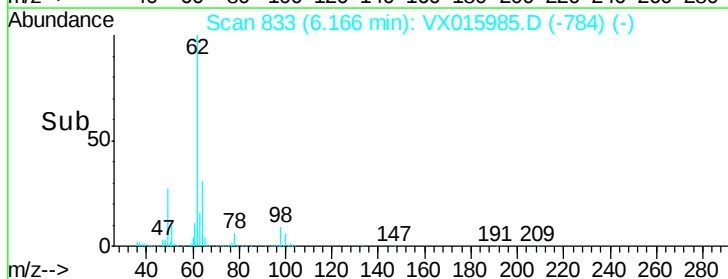
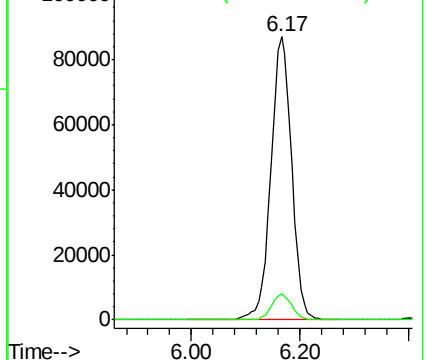
Tgt Ion: 62 Resp: 229540
Ion Ratio Lower Upper

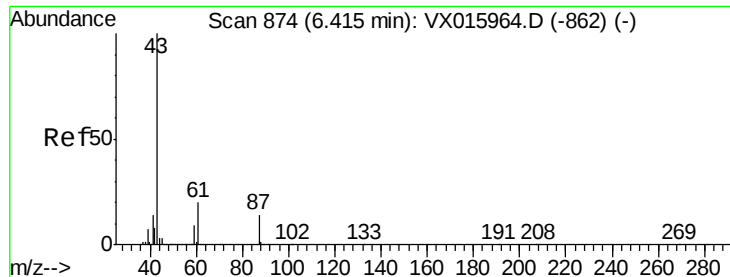
62 100

98 9.0 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

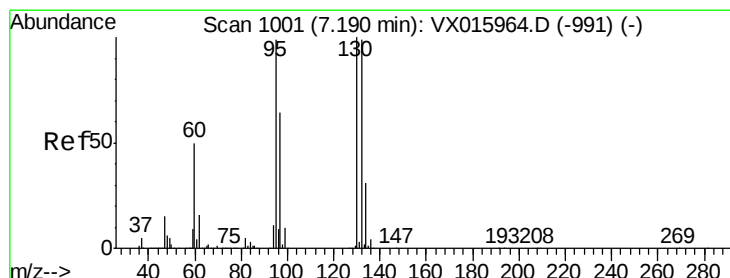
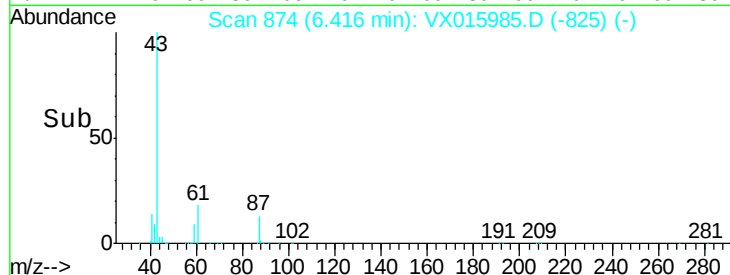
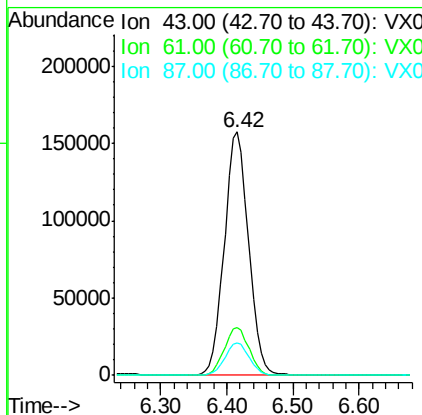
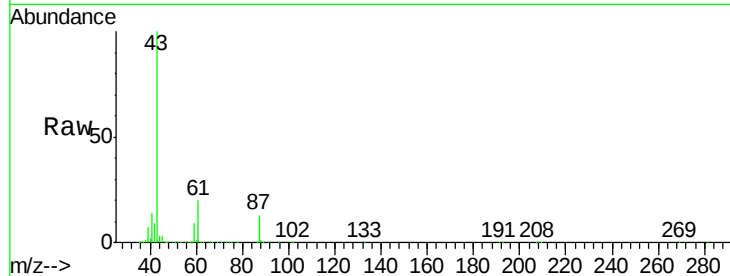
Isopropyl Acetate
 Concen: 51.290 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.1	24.1
87	13.4	10.9	16.3

Manual Integrations
 APPROVED

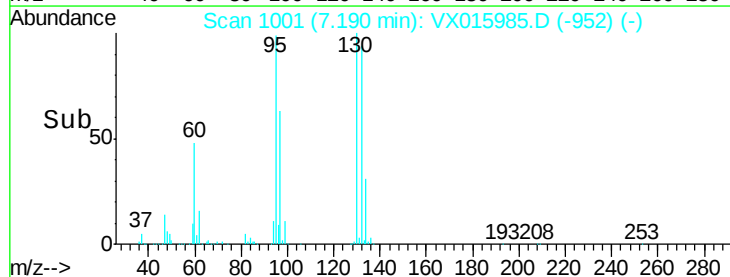
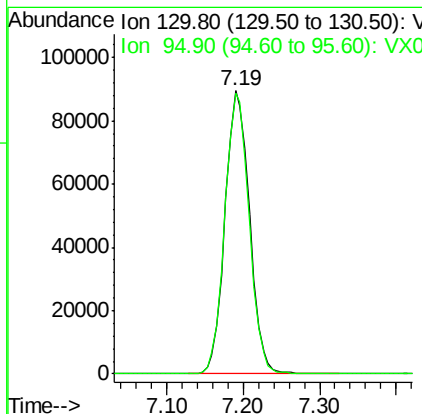
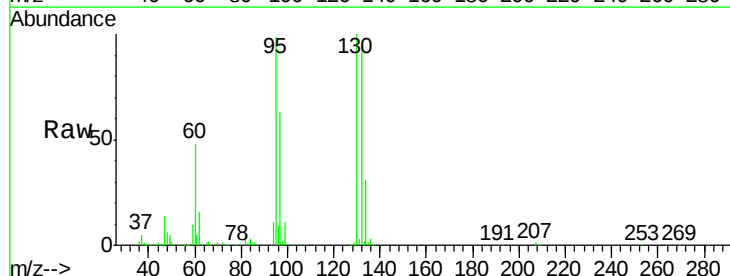
MMDadoda
 4/30/2020 2:11:51 PM

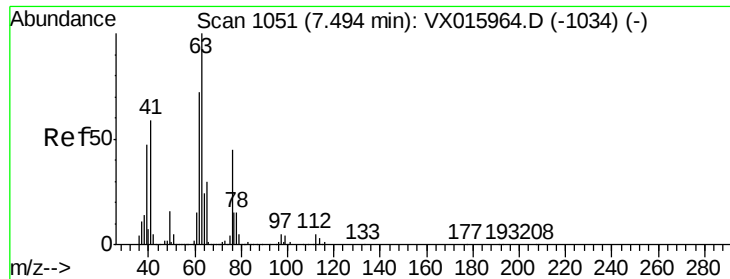


#44

Trichloroethene
 Concen: 47.237 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	197.4





#45

1,2-Dichloropropane

Concen: 50.339 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 151439

Ion Ratio Lower Upper

63 100

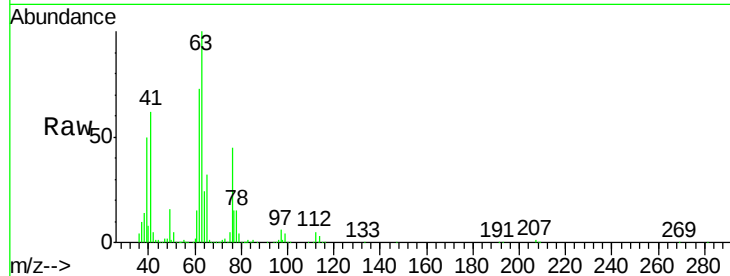
65 31.6 24.3 36.5

Manual Integrations

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4/30/2020 2:11:51 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

80000

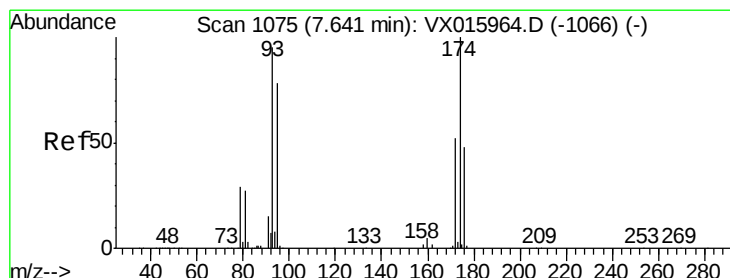
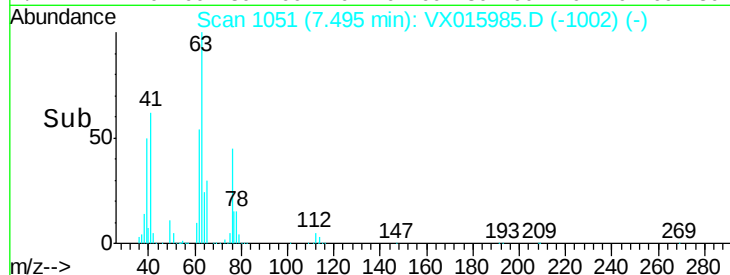
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#46

Dibromomethane

Concen: 50.267 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

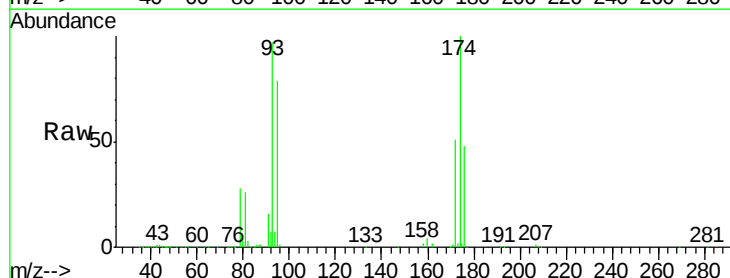
Tgt Ion: 93 Resp: 107453

Ion Ratio Lower Upper

93 100

95 80.7 65.5 98.3

174 101.0 82.7 124.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

7.64

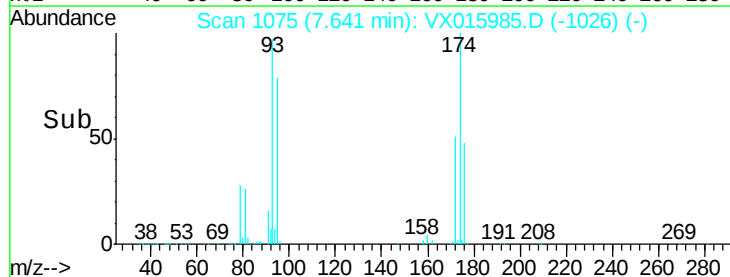
60000

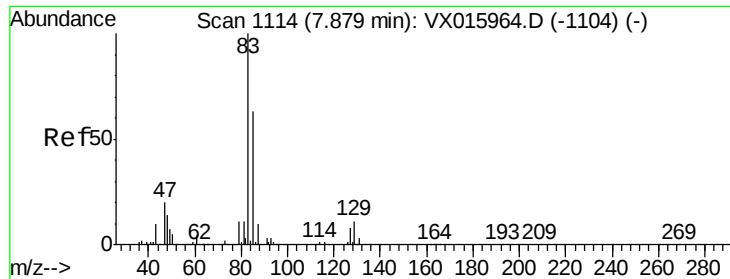
40000

20000

0

Time--> 7.60 7.70





#47

Bromodichloromethane

Concen: 51.672 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

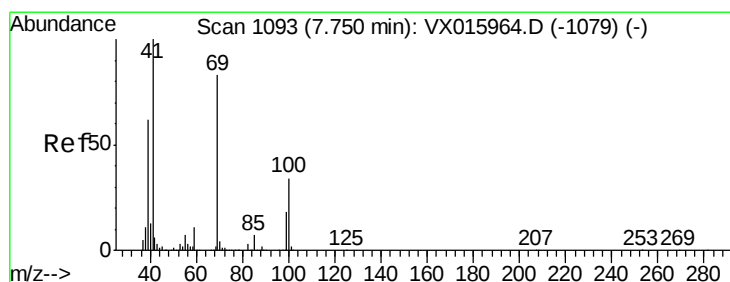
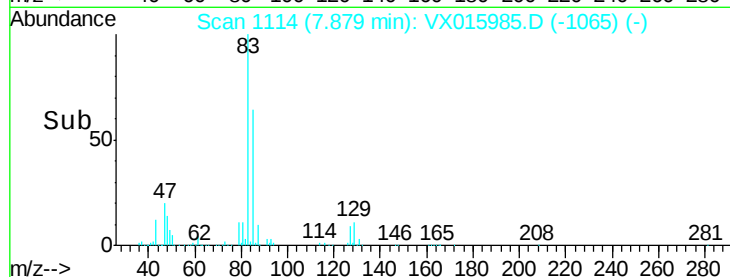
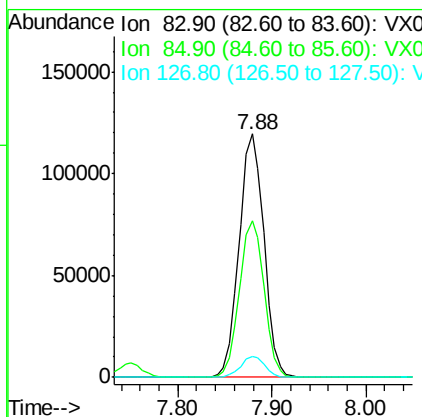
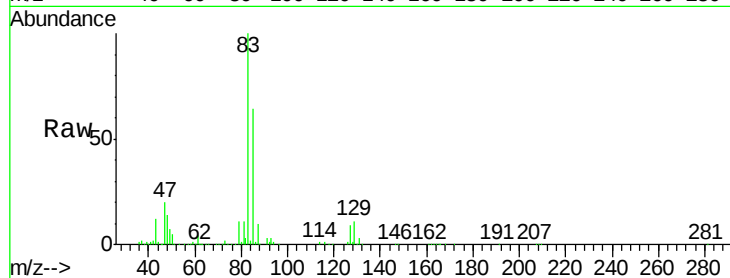
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	219500
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.6	75.8
127	8.8	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.032 ug/l

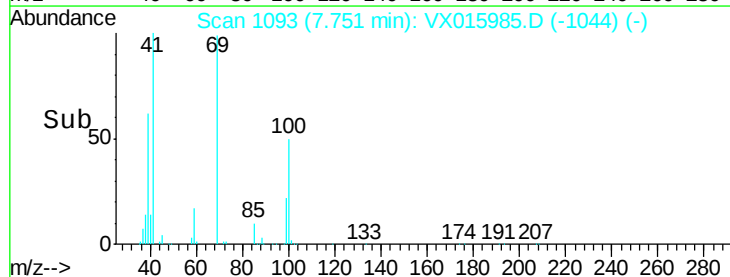
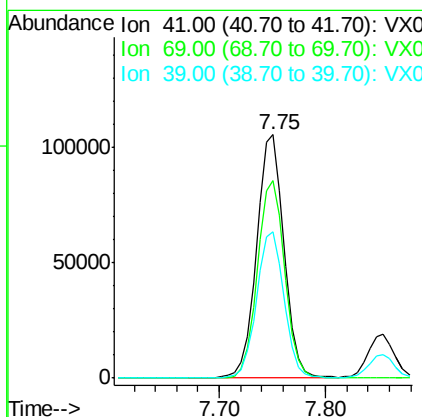
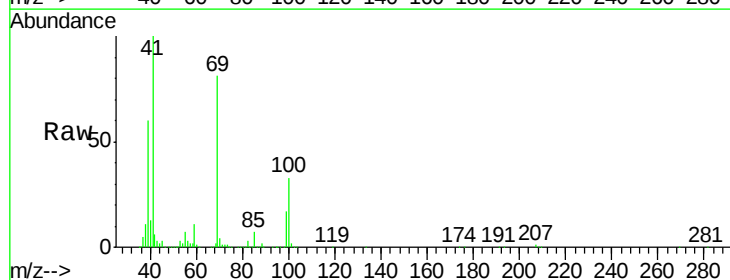
RT: 7.75 min Scan# 1093

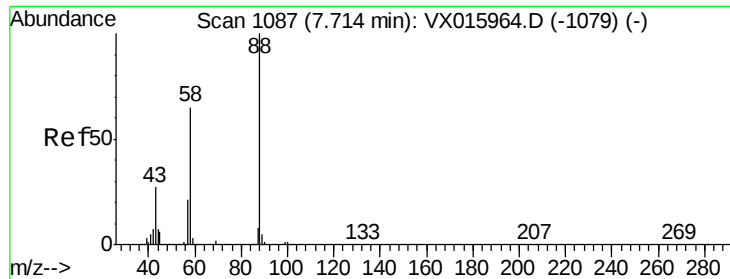
Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Tgt Ion:	41	Resp:	189675
Ion Ratio	Lower	Upper	
41	100		
69	81.4	66.0	99.0
39	60.5	49.0	73.4





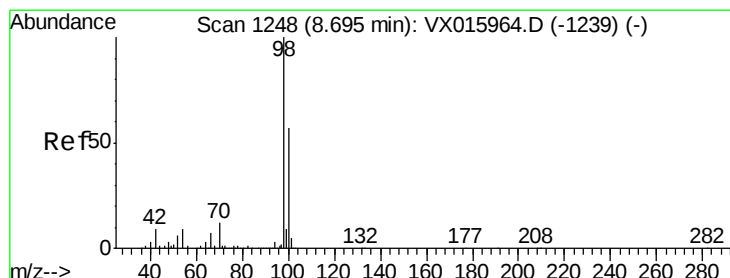
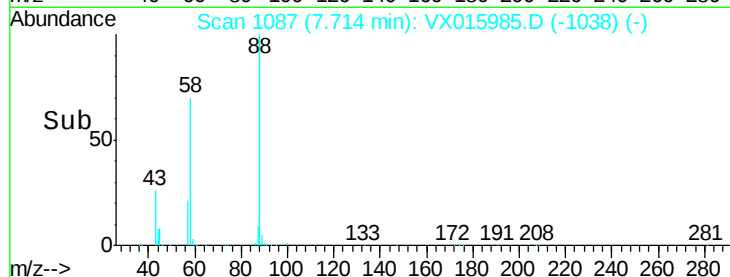
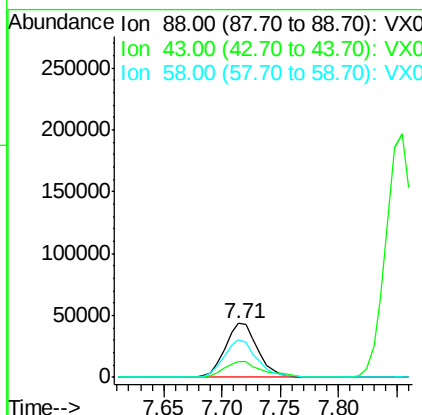
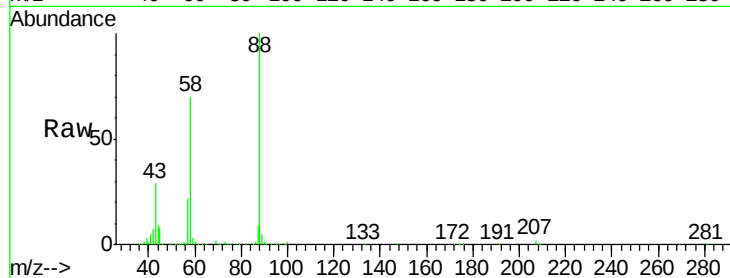
#49
1,4-Dioxane
Concen: 1002.078 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	26.6	39.8
58	70.1	54.8	82.2

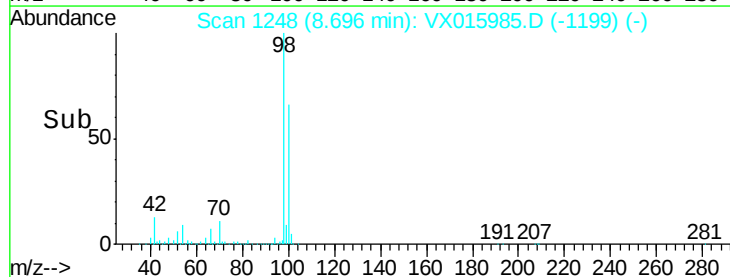
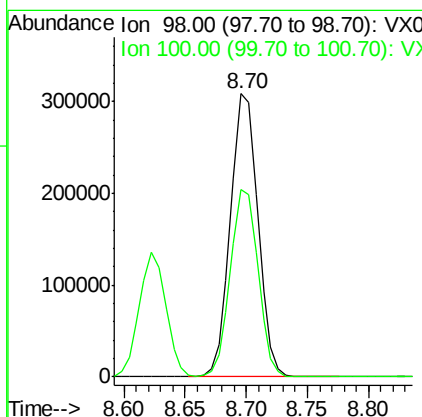
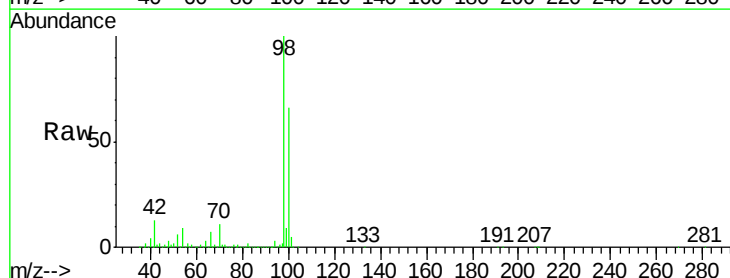
Manual Integrations
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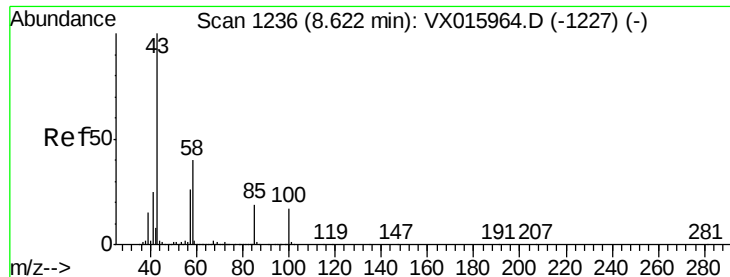
MMDadoda
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#50
Toluene-d8
Concen: 48.134 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.1	79.7





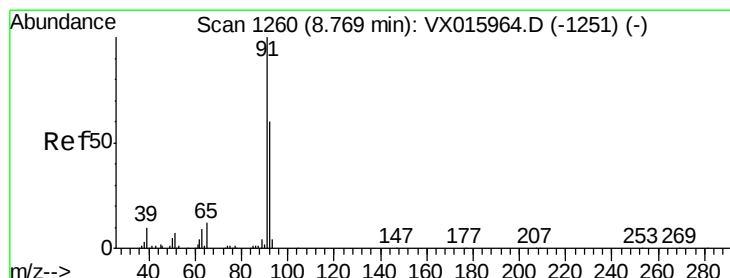
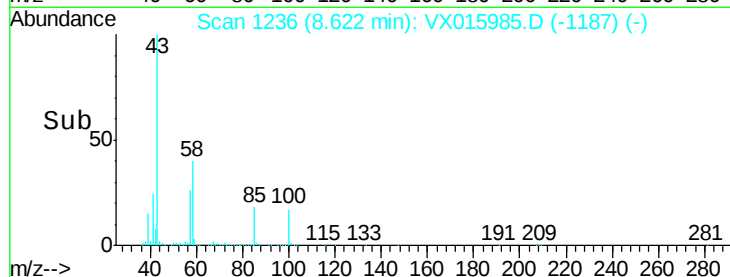
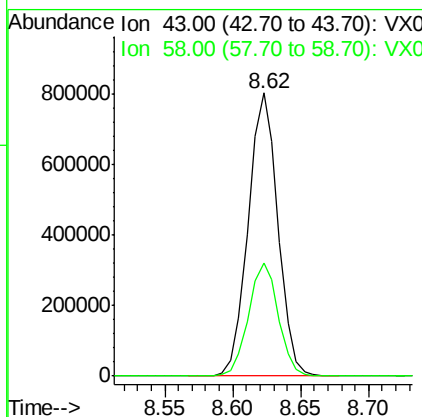
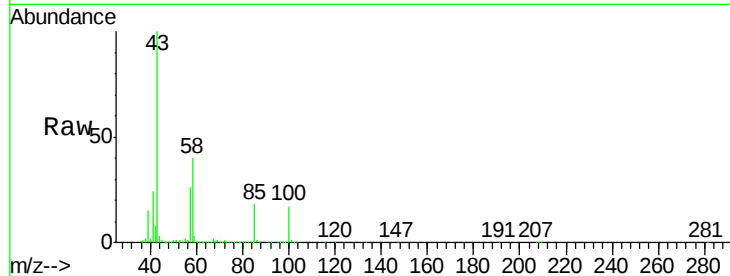
#51
4-Methyl-2-Pentanone
Concen: 261.450 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1228507
Ion Ratio Lower Upper
43 100
58 40.0 32.0 48.0

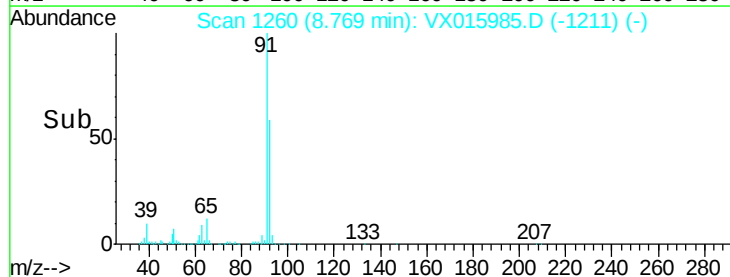
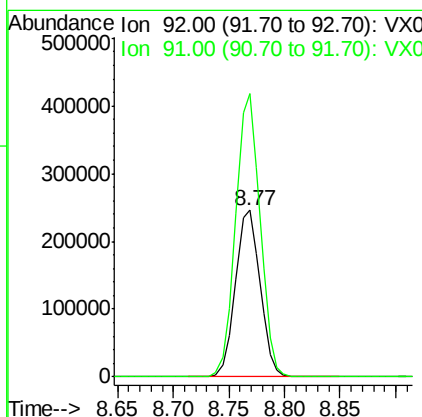
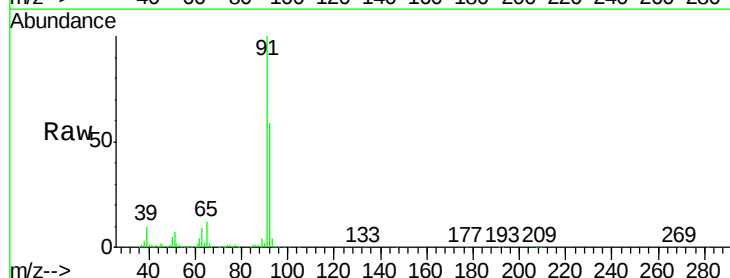
Manual Integrations
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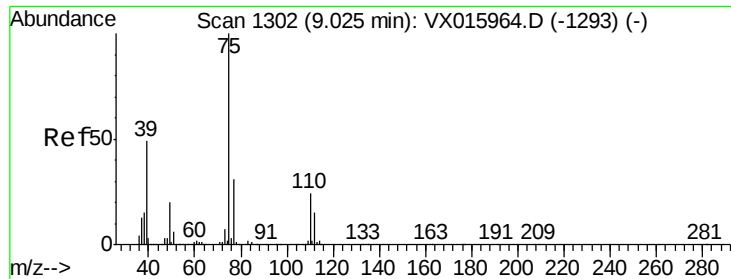
MMDadoda
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#52
Toluene
Concen: 50.982 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion: 92 Resp: 376706
Ion Ratio Lower Upper
92 100
91 168.3 134.6 202.0





#53

t-1,3-Dichloropropene

Concen: 50.178 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 252916

Ion Ratio Lower Upper

75 100

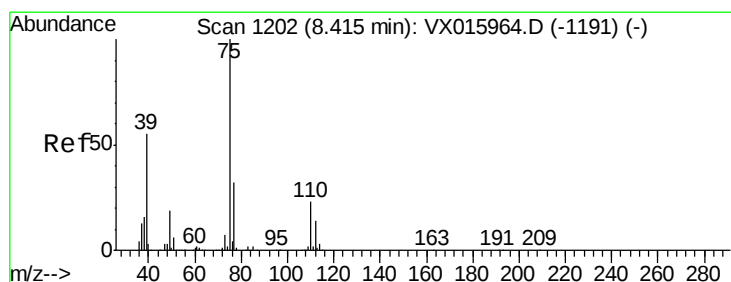
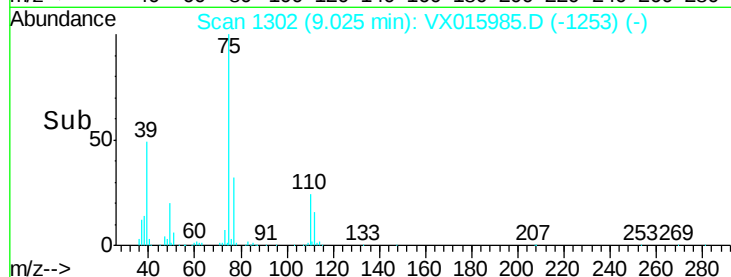
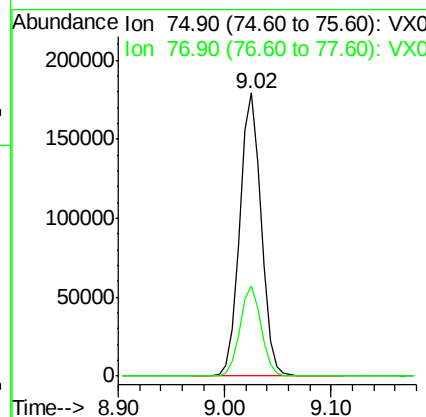
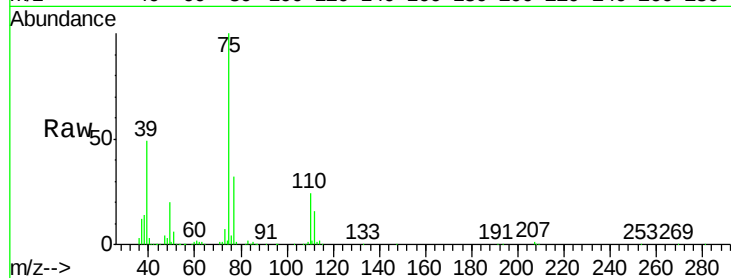
77 31.8 24.9 37.3

Manual Integrations

APPROVED

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4/30/2020 2:11:51 PM



#54

cis-1,3-Dichloropropene

Concen: 50.300 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

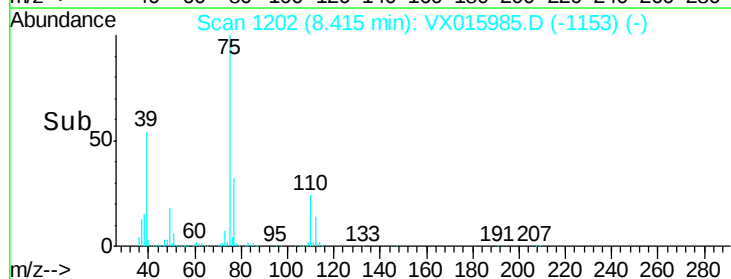
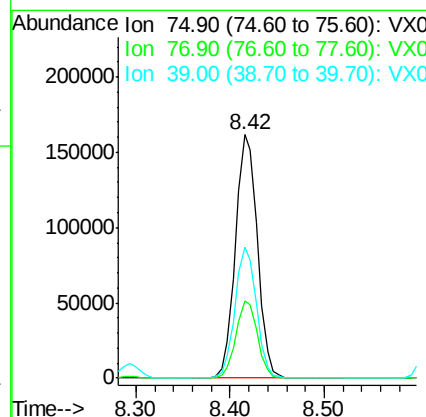
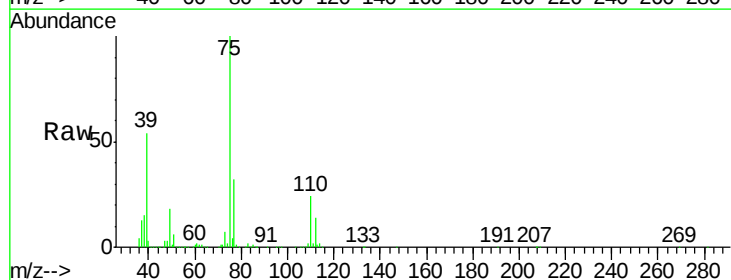
Tgt Ion: 75 Resp: 260756

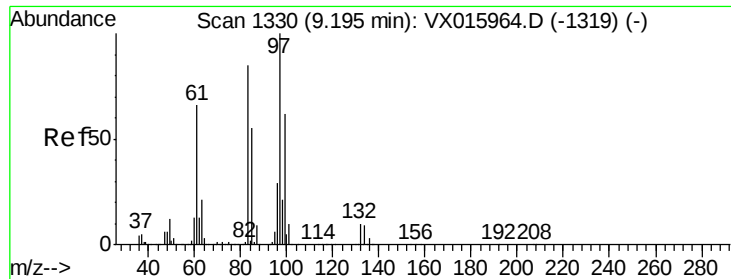
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 53.6 44.1 66.1





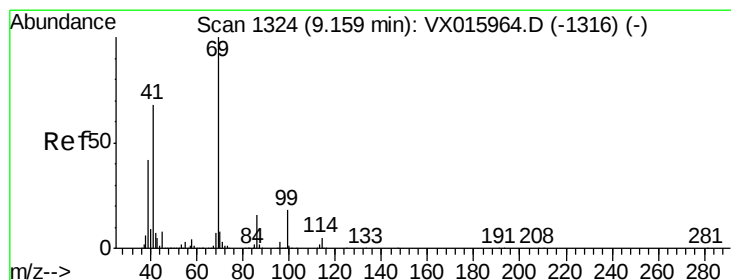
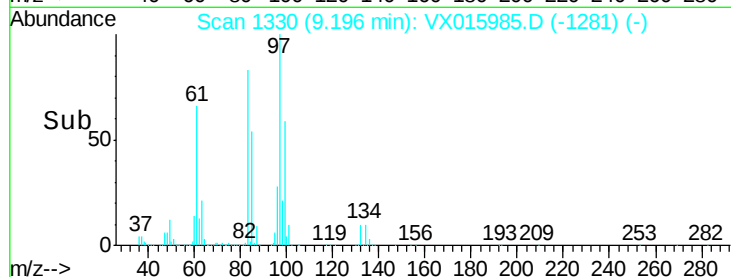
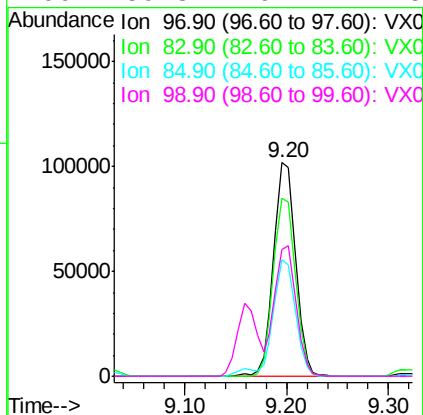
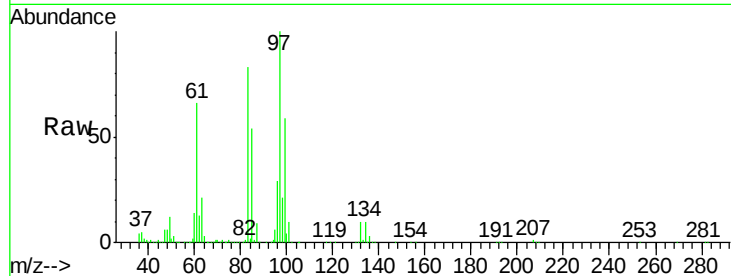
#55
 1,1,2-Trichloroethane
 Concen: 51.510 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	152100
Ion	Ratio	Lower	Upper
97	100		
83	83.4	68.2	102.2
85	54.4	43.7	65.5
99	59.3	49.7	74.5

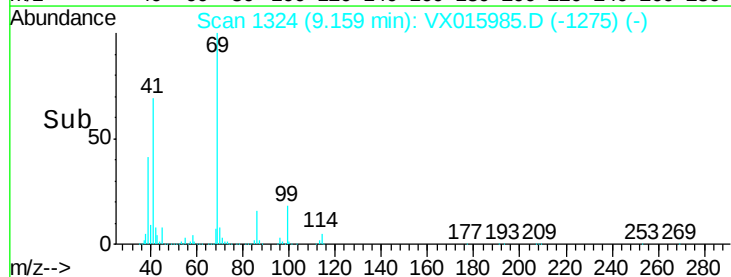
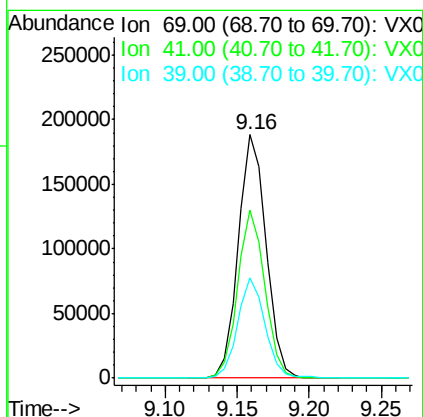
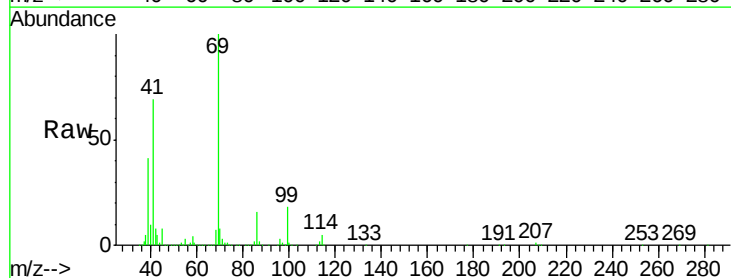
Manual Integrations
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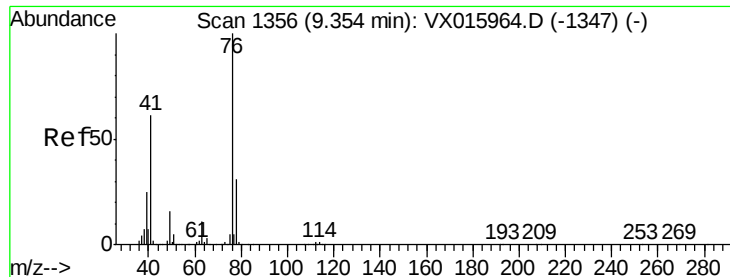
MMDadoda
 4/30/2020 2:11:51 PM



#56
 Ethyl methacrylate
 Concen: 52.668 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Tgt Ion:	69	Resp:	252880
Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.5	80.3
39	40.8	33.4	50.0





#57

1,3-Dichloropropane

Concen: 51.164 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 259579

Ion Ratio Lower Upper

76 100

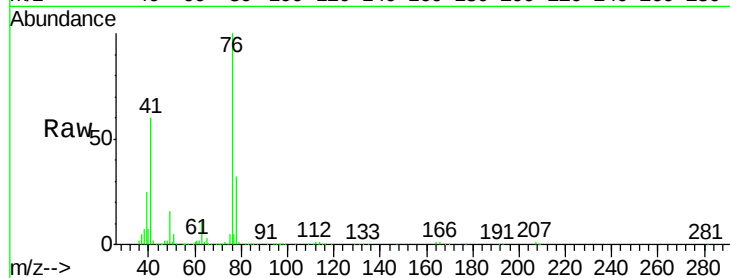
78 32.4 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

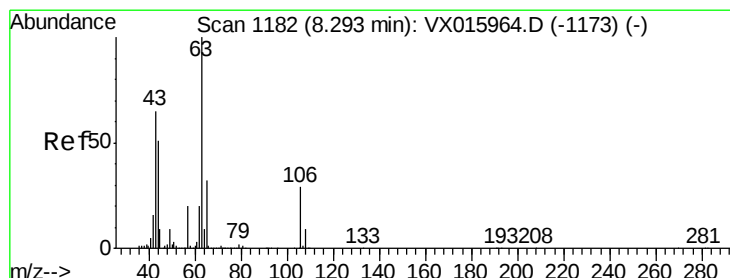
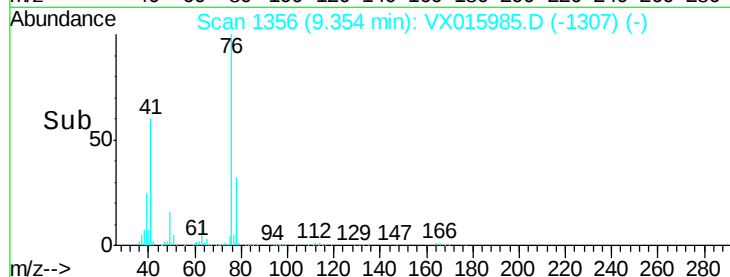
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 252.681 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX015985.D

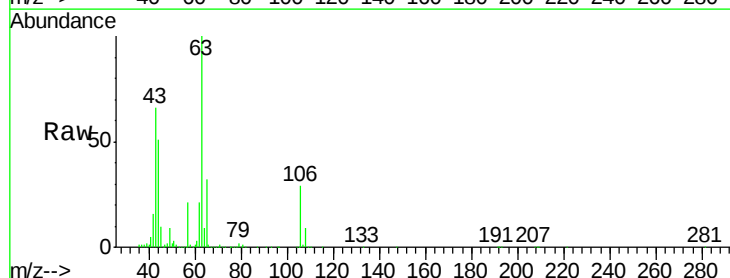
Acq: 29 Apr 2020 18:18

Tgt Ion: 63 Resp: 626949

Ion Ratio Lower Upper

63 100

106 29.5 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

400000

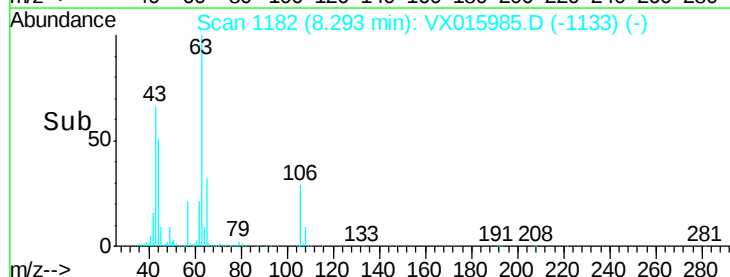
300000

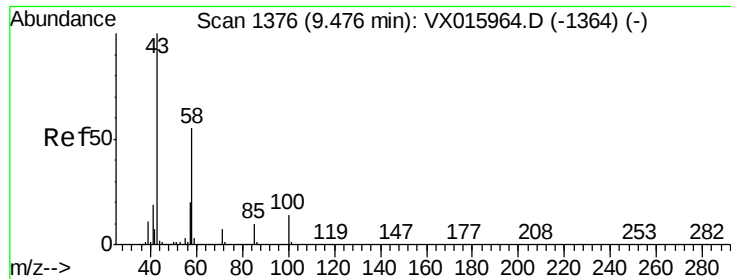
200000

100000

0

Time-->





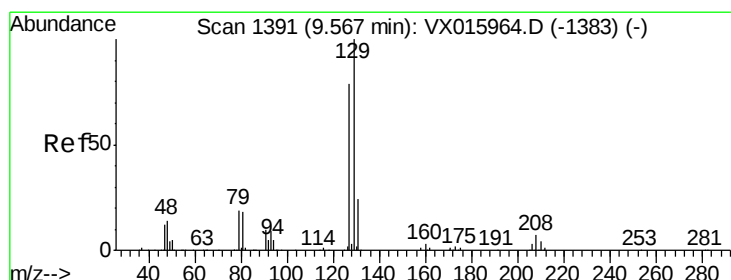
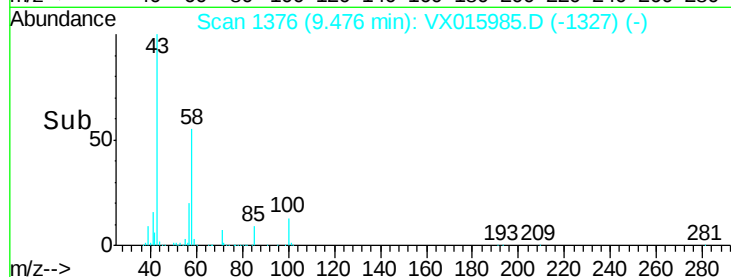
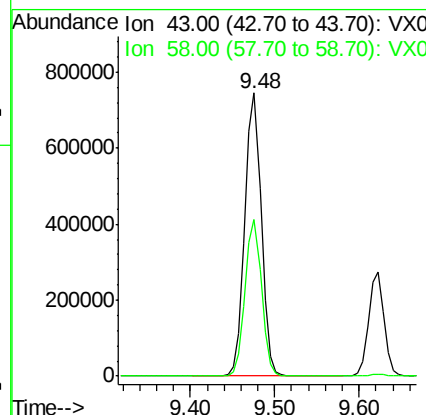
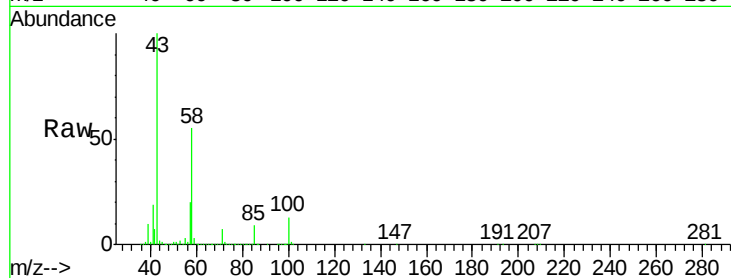
#59
2-Hexanone
Concen: 263.881 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 969016
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.1

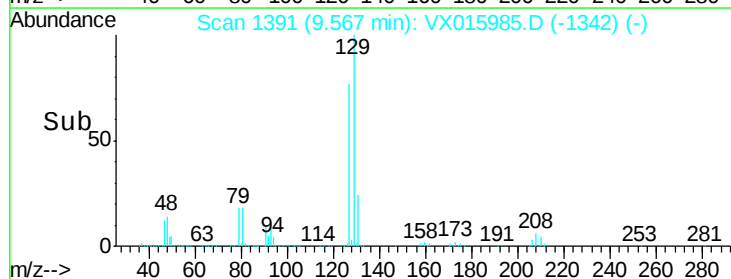
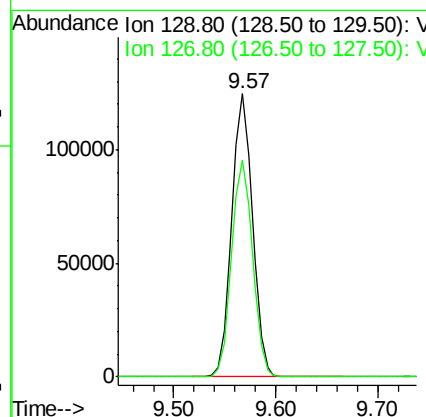
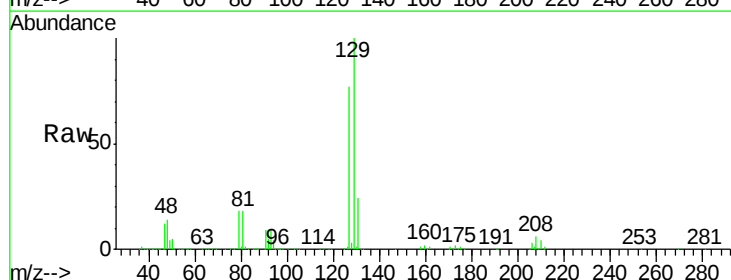
Manual Integrations
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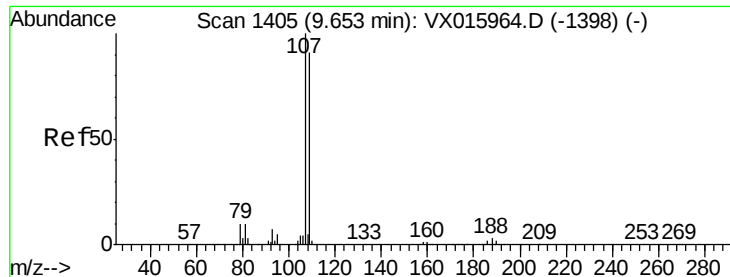
MMDadoda
4/30/2020 2:11:51 PM



#60
Dibromochloromethane
Concen: 52.974 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion: 129 Resp: 175079
Ion Ratio Lower Upper
129 100
127 77.3 39.4 118.1





#61

1,2-Dibromoethane

Concen: 51.639 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 165348

Ion Ratio Lower Upper

107 100

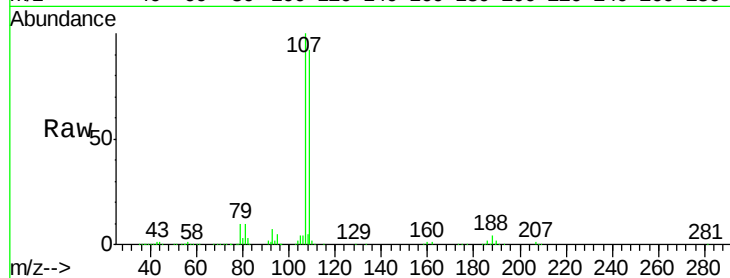
109 93.4 74.9 112.3

Manual Integrations

APPROVED

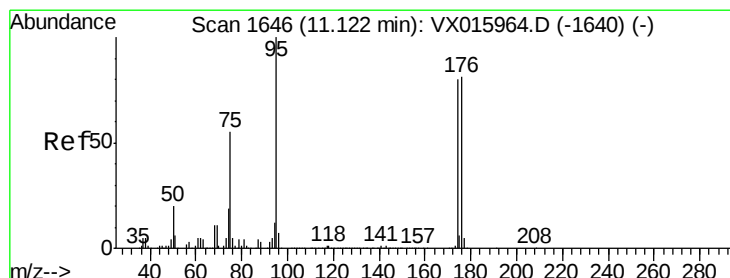
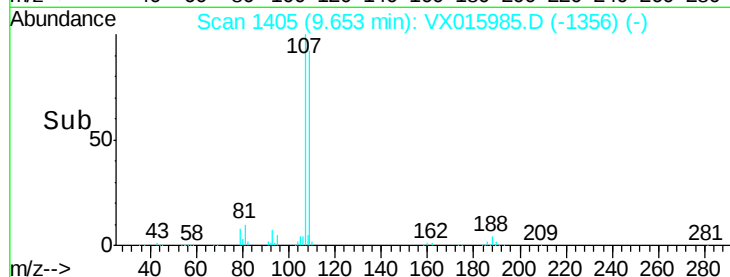
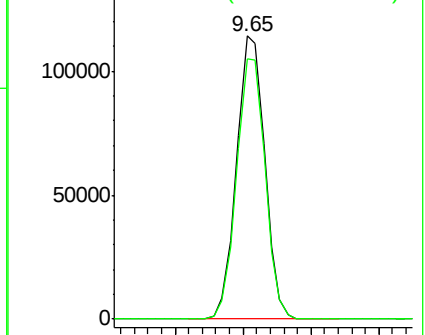
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.694 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

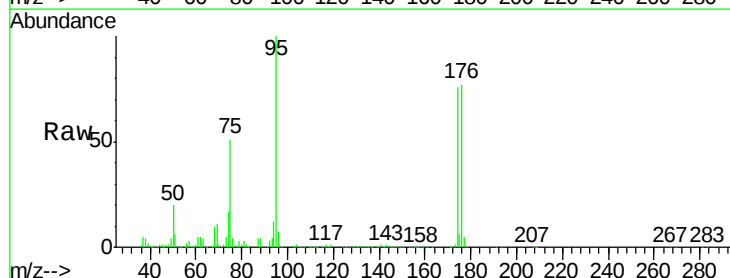
Tgt Ion: 95 Resp: 190802

Ion Ratio Lower Upper

95 100

174 80.8 0.0 165.0

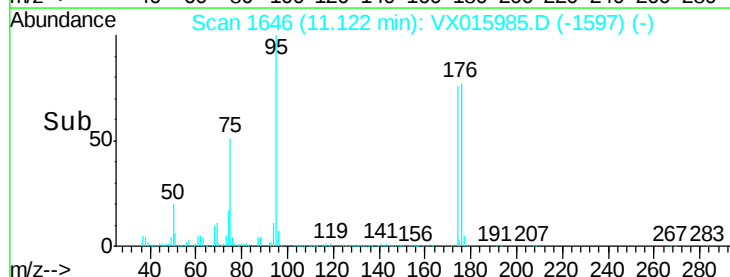
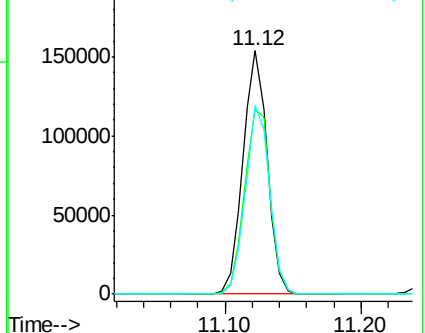
176 77.9 0.0 163.2

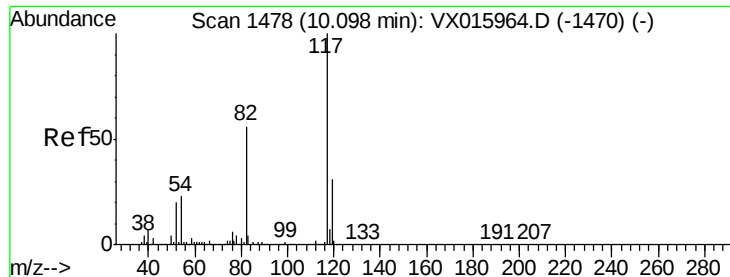


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





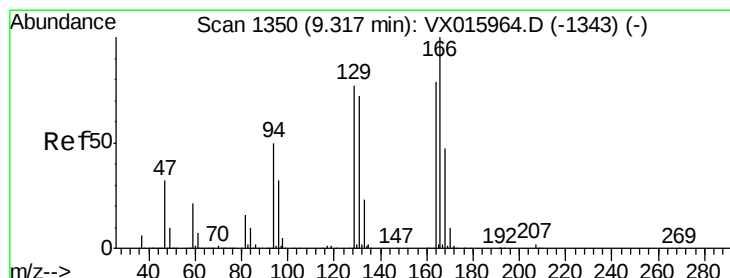
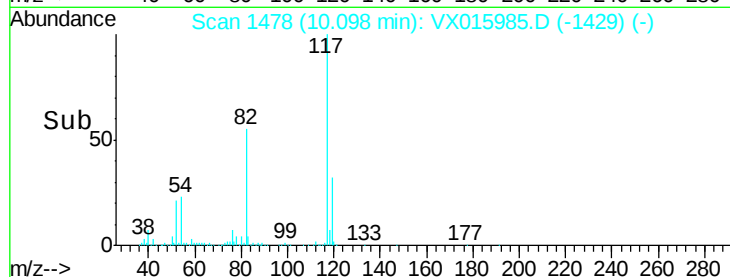
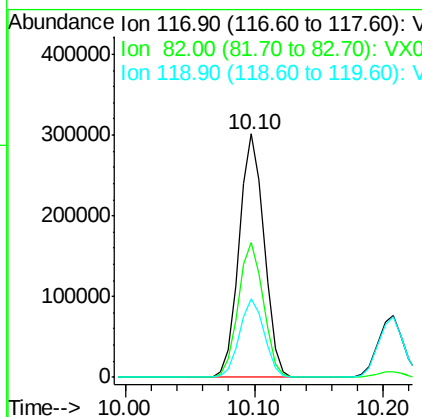
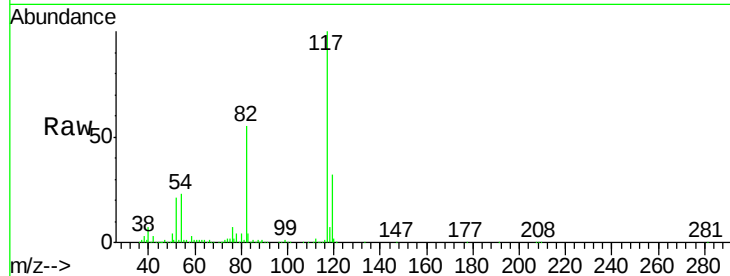
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.5	66.7
119	32.1	25.0	37.6

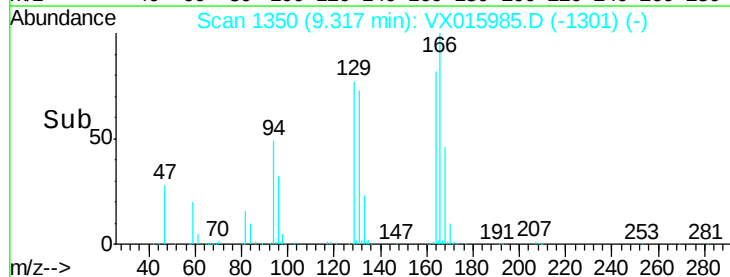
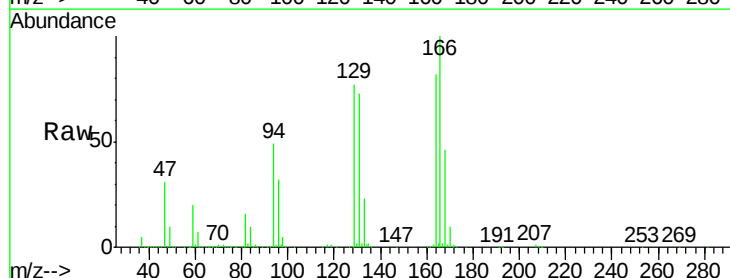
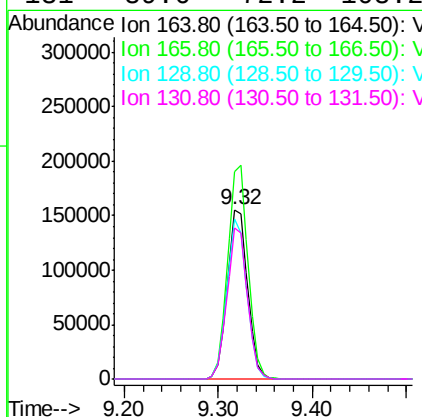
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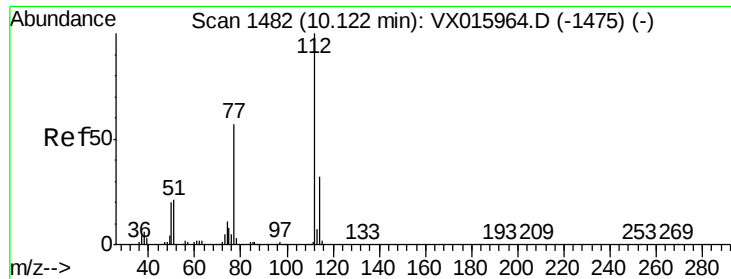
MMDadoda
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#64
Tetrachloroethene
Concen: 48.380 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.6	101.0	151.4
129	94.2	77.4	116.0
131	89.6	72.2	108.2





#65

Chlorobenzene

Concen: 49.384 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 406378

Ion Ratio Lower Upper

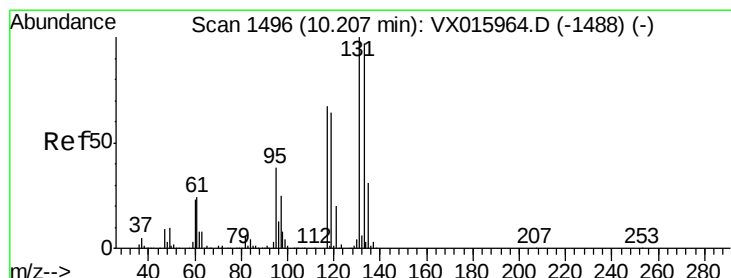
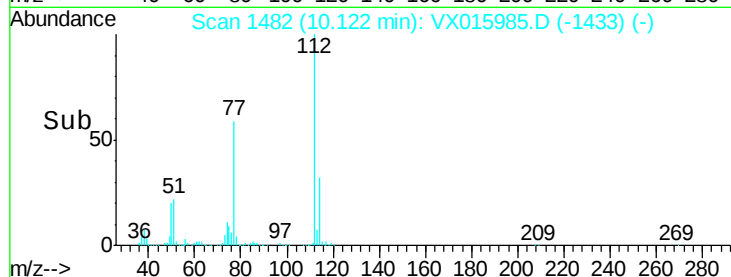
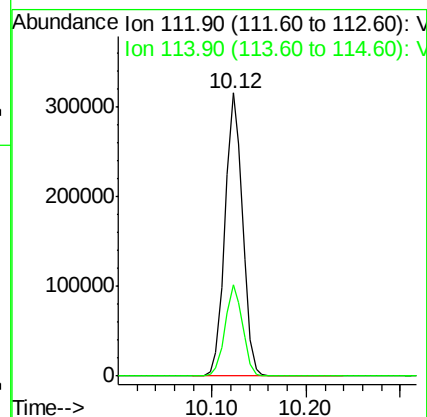
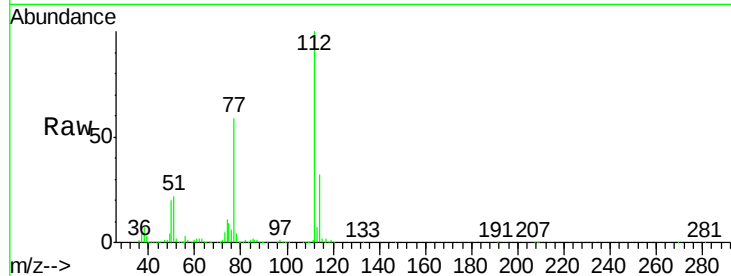
112 100

114 32.3 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 50.088 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

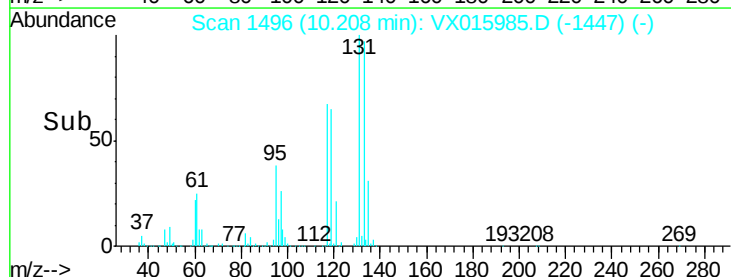
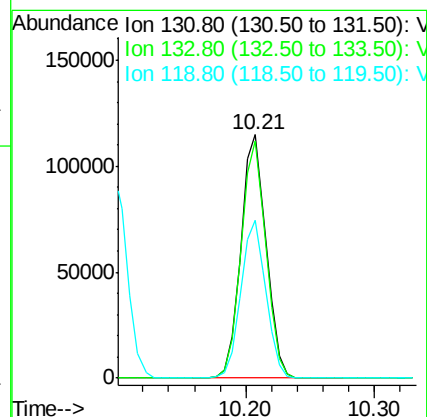
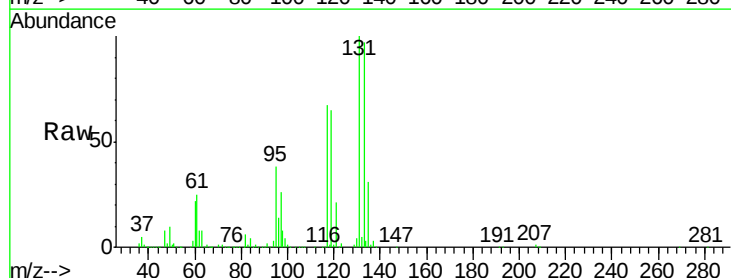
Tgt Ion:131 Resp: 155782

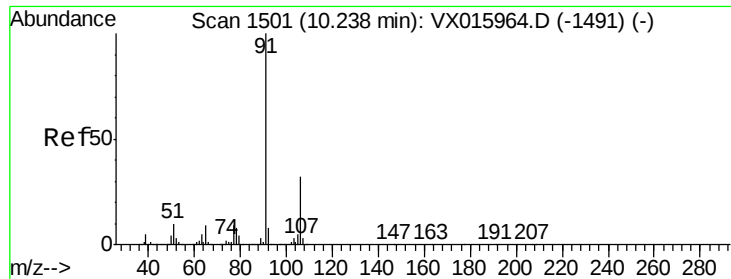
Ion Ratio Lower Upper

131 100

133 95.9 48.3 144.8

119 64.3 31.6 94.8





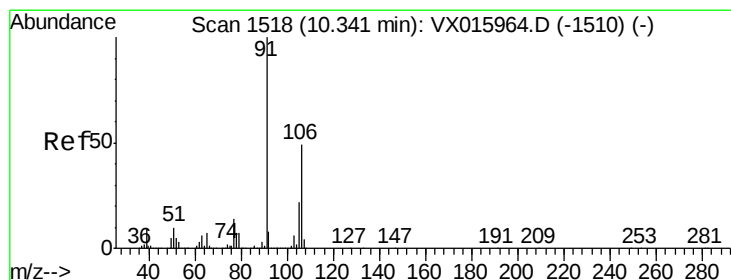
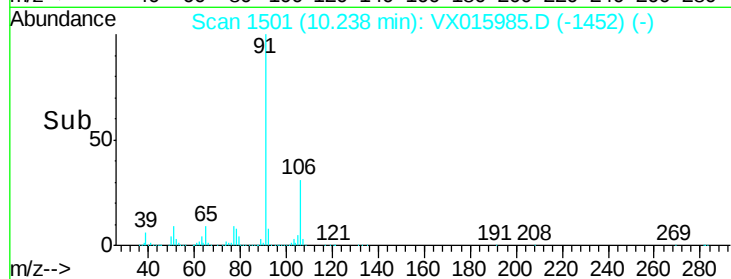
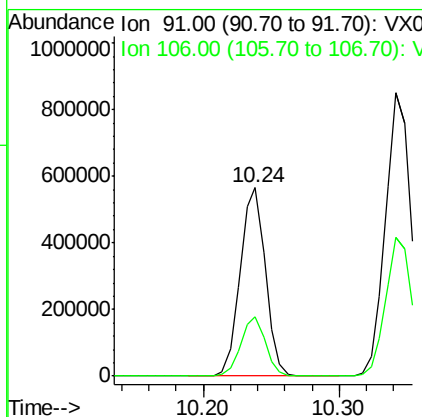
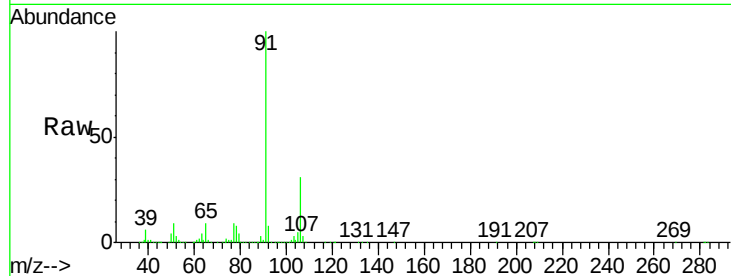
#67
Ethyl Benzene
Concen: 49.913 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 731459
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9

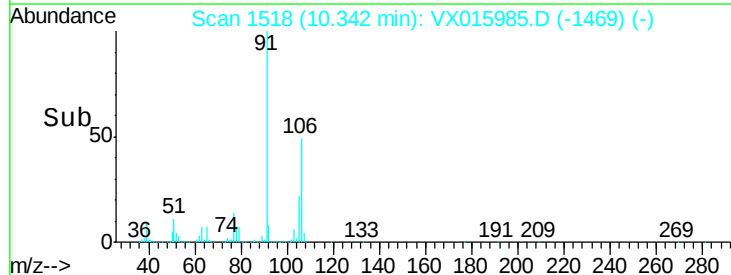
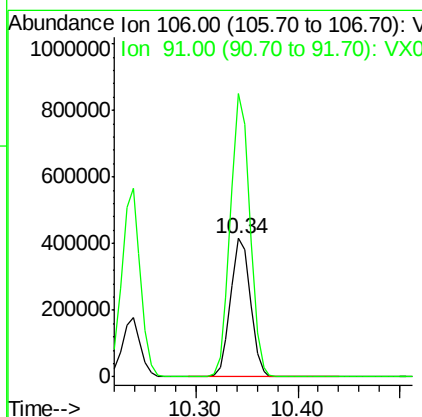
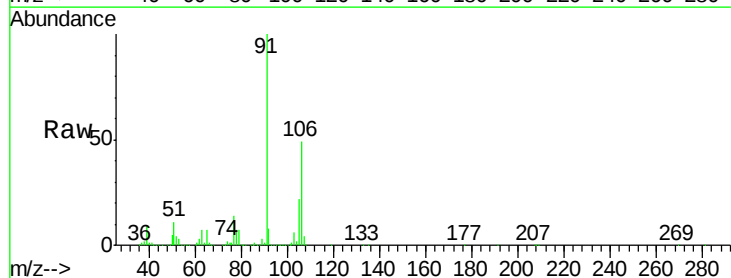
Manual Integrations
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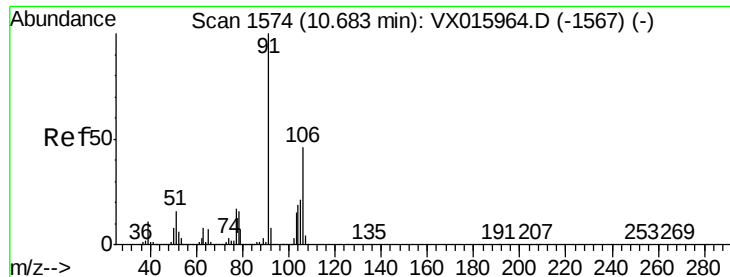
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#68
m/p-Xylenes
Concen: 99.879 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion: 106 Resp: 555405
Ion Ratio Lower Upper
106 100
91 201.8 161.6 242.4





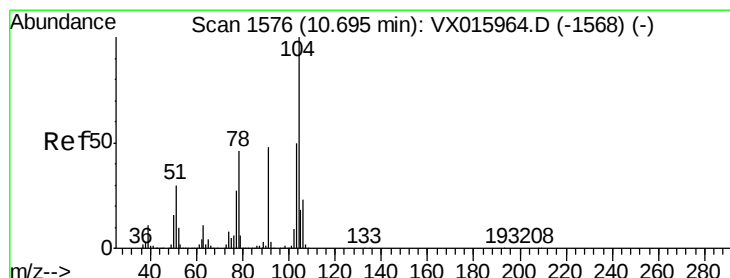
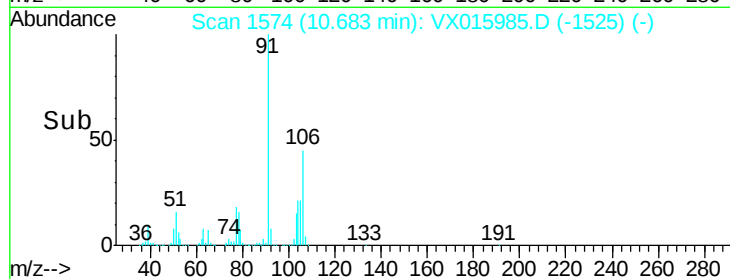
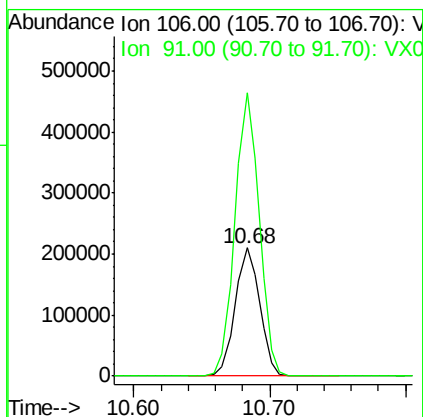
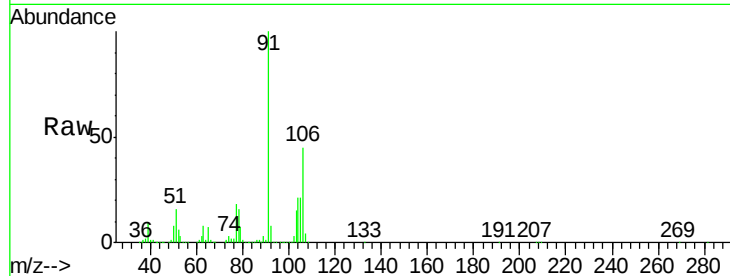
#69
o-Xylene
Concen: 50.031 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	217.9	106.1	318.3	

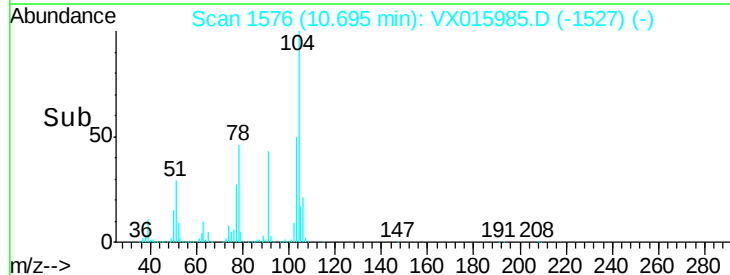
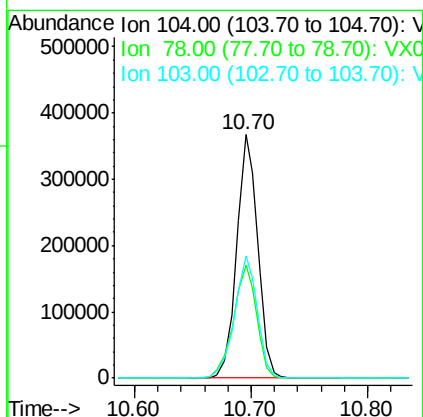
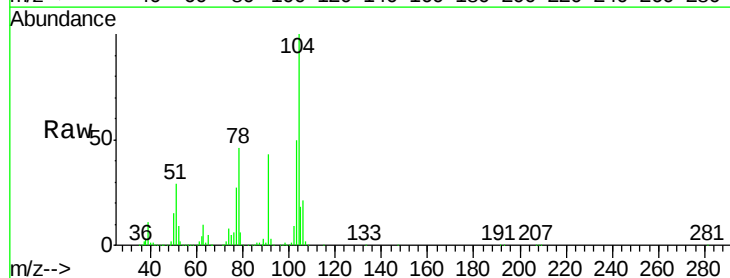
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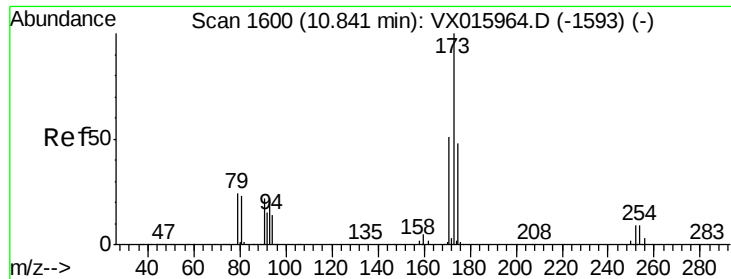
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#70
Styrene
Concen: 50.990 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	51.1	41.0	61.4	
103	53.9	43.4	65.2	





#71

Bromoform

Concen: 47.840 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

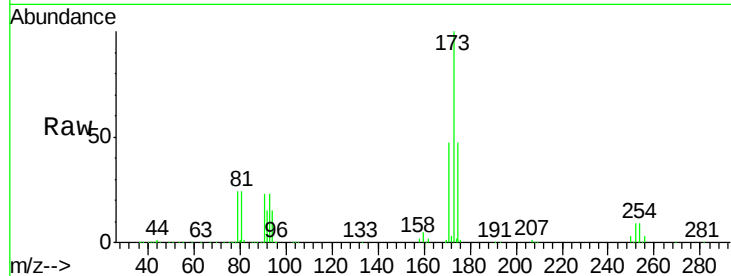
ClientSampleId :

VSTDCCC050EC

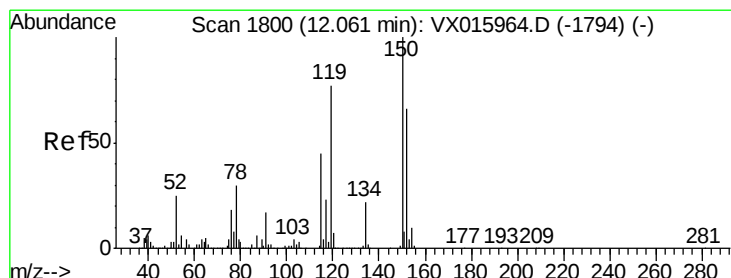
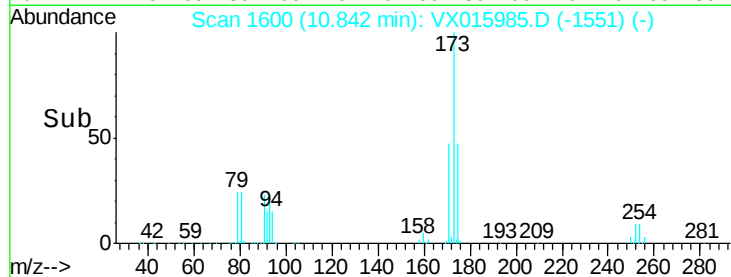
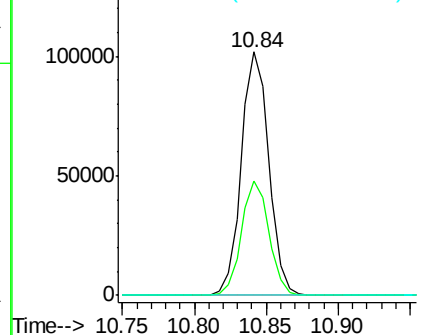
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.1	72.4
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

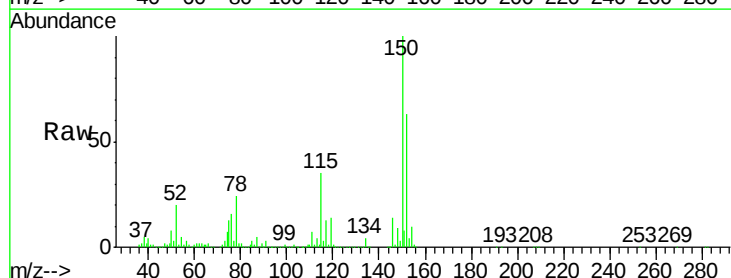
RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

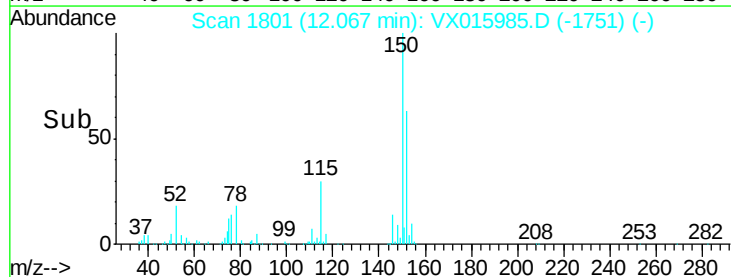
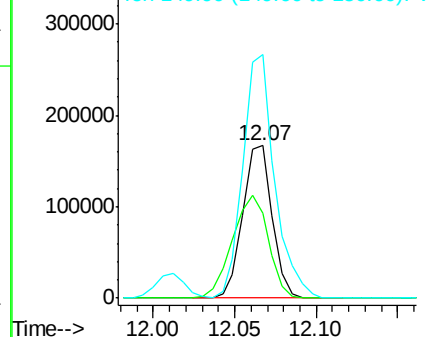
Lab File: VX015985.D

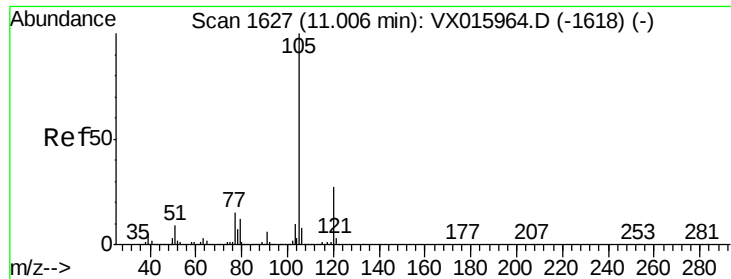
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.7	40.9	122.7
150	172.8	0.0	342.4



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: 50.741 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 723377

Ion Ratio Lower Upper

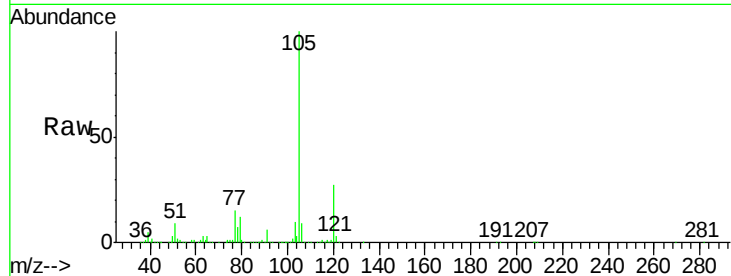
105 100

120 26.4 13.3 39.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

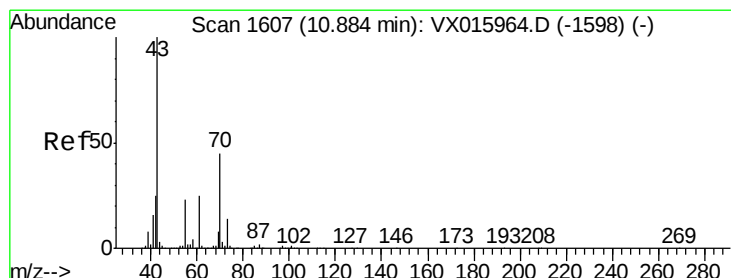
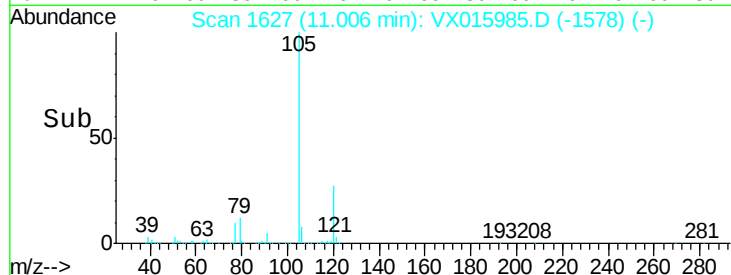
400000

200000

0

11.01

Time--> 10.90 11.00 11.10



#74

N-ethyl acetate

Concen: 51.110 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Tgt Ion: 43 Resp: 351417

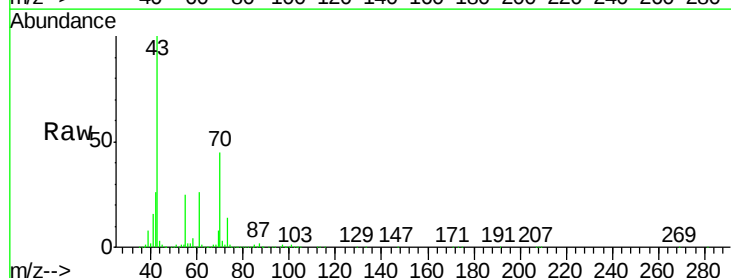
Ion Ratio Lower Upper

43 100

70 43.1 34.5 51.7

55 24.1 18.6 28.0

61 24.7 19.8 29.6



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

400000

300000

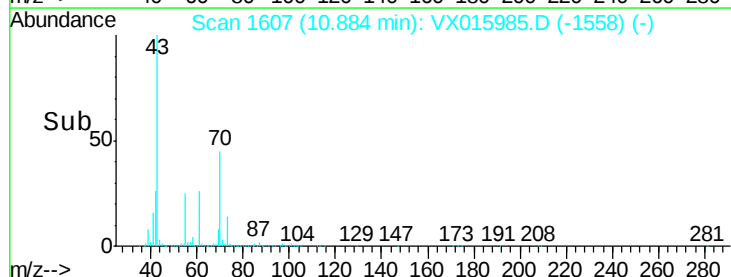
200000

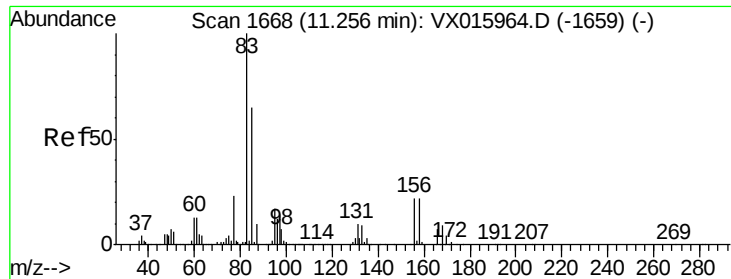
100000

0

10.88

Time--> 10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 49.201 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

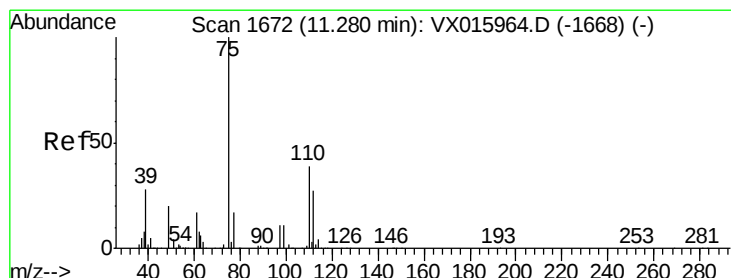
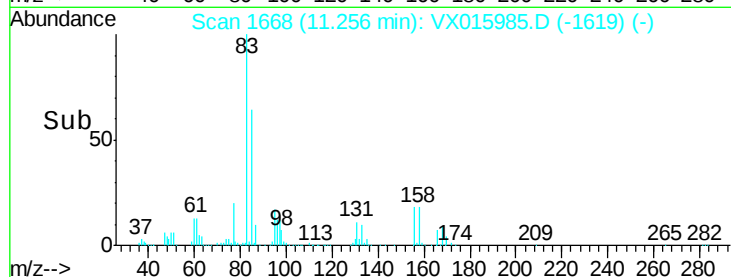
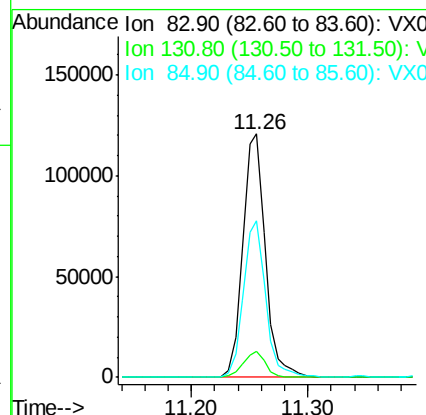
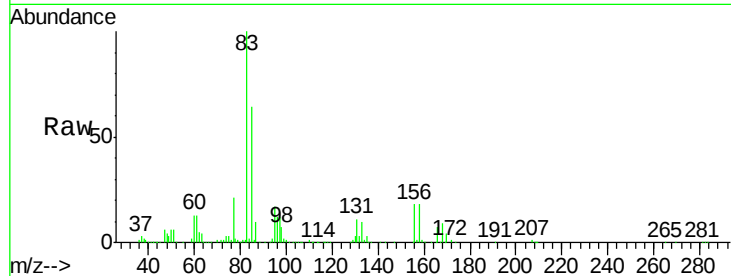
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	162607
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	64.0	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.615 ug/l m

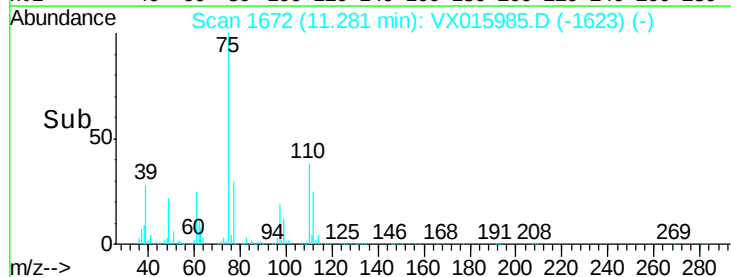
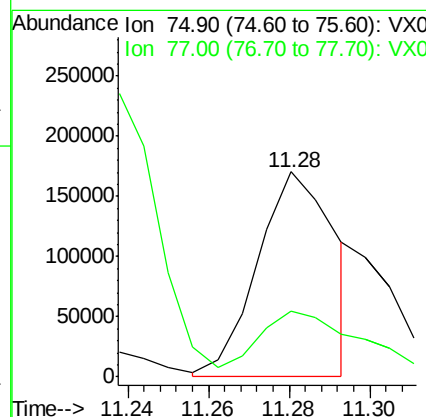
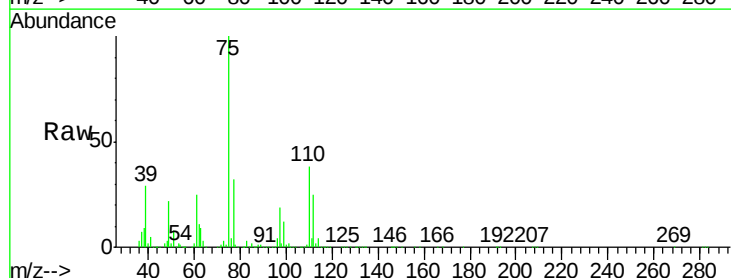
RT: 11.28 min Scan# 1672

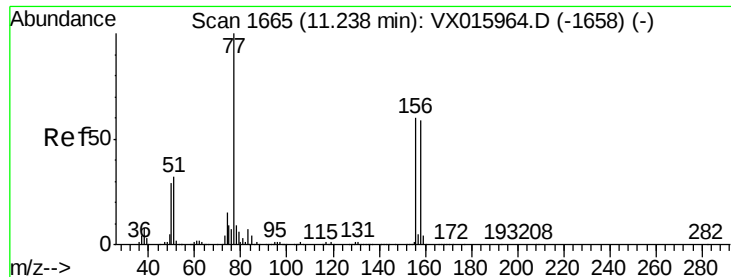
Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Tgt Ion:	75	Resp:	226973
Ion Ratio	Lower	Upper	
75	100		
77	43.1	21.6	65.0





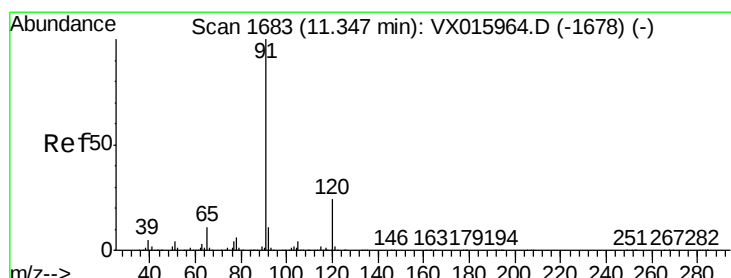
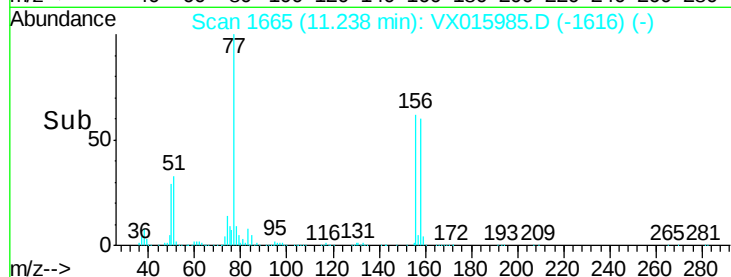
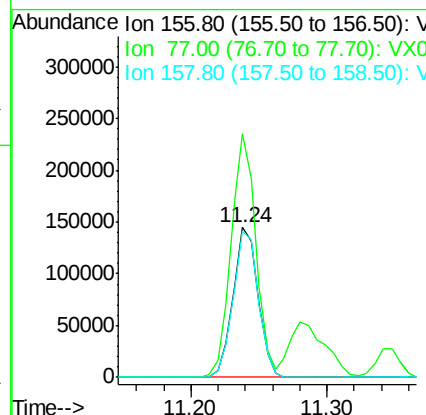
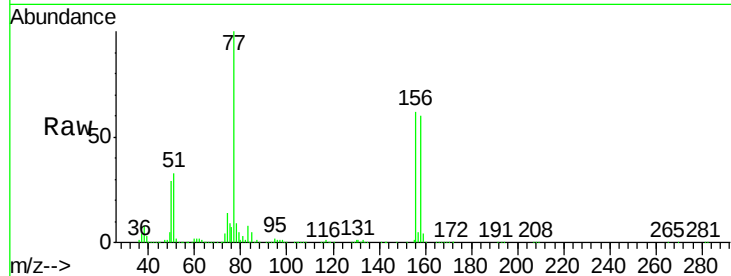
#77
Bromobenzene
Concen: 50.195 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.0	78.3	234.8
158	98.5	48.5	145.5

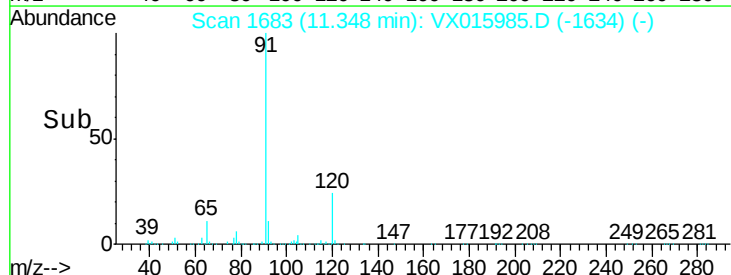
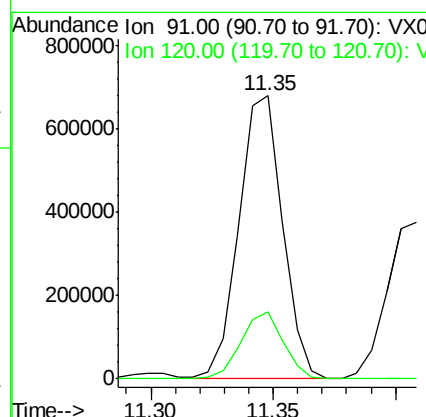
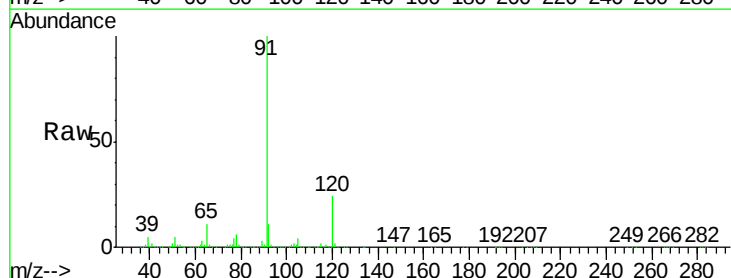
Manual Integrations
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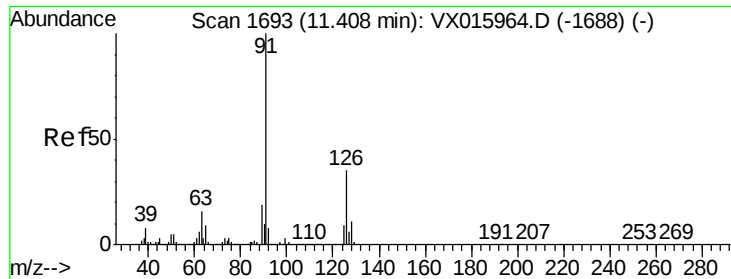
MMDadoda
4/30/2020 2:11:51 PM



#78
n-propylbenzene
Concen: 51.219 ug/l
RT: 11.35 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.8	35.3





#79

2-Chlorotoluene

Concen: 50.199 ug/l

RT: 11.41 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 490500

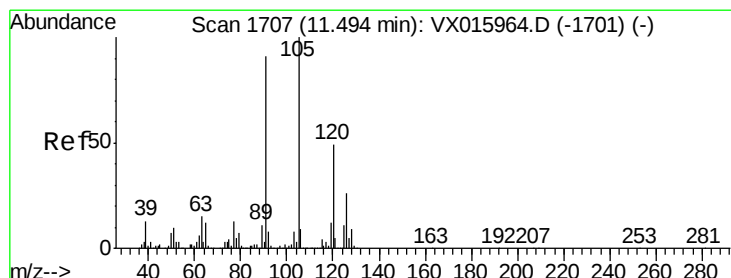
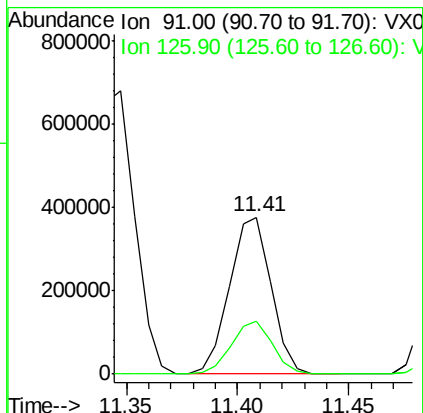
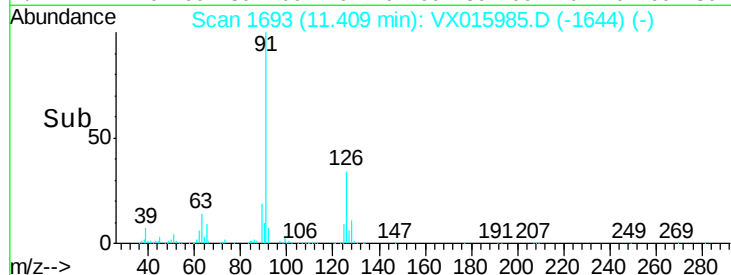
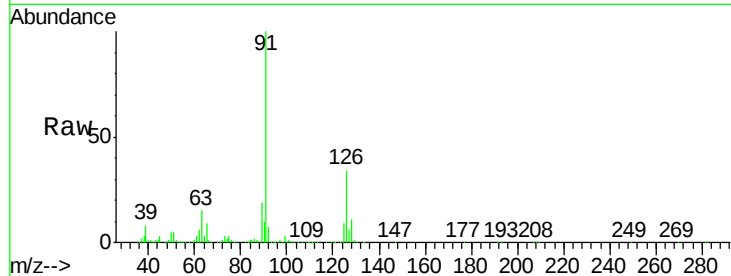
Ion Ratio Lower Upper

91 100

126 33.7 17.0 51.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 51.230 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX015985.D

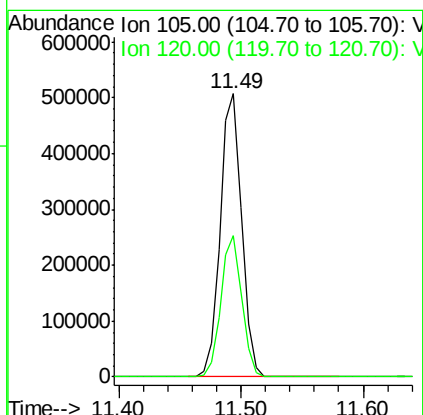
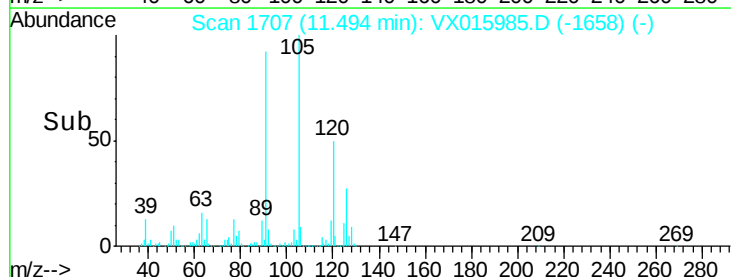
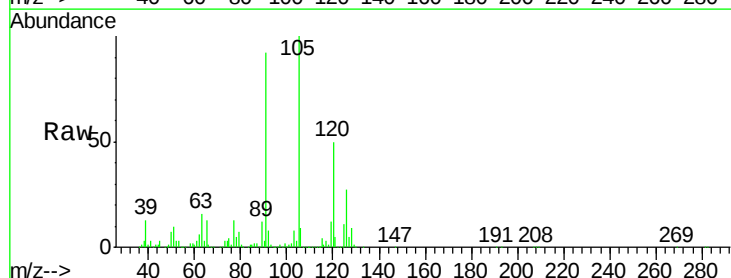
Acq: 29 Apr 2020 18:18

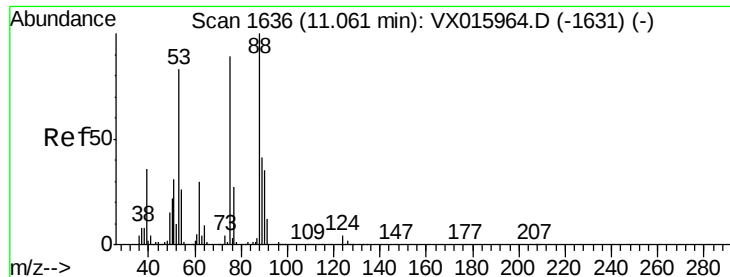
Tgt Ion: 105 Resp: 615222

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.052 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

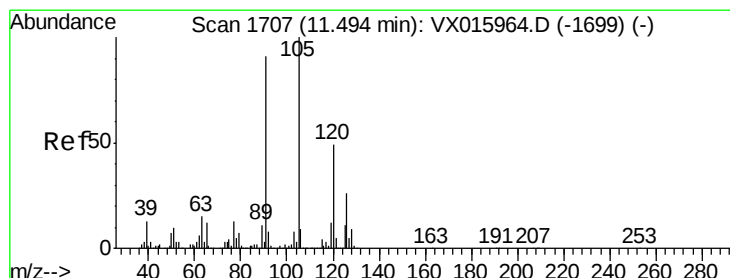
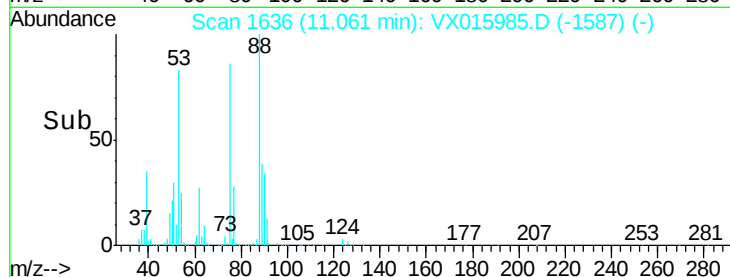
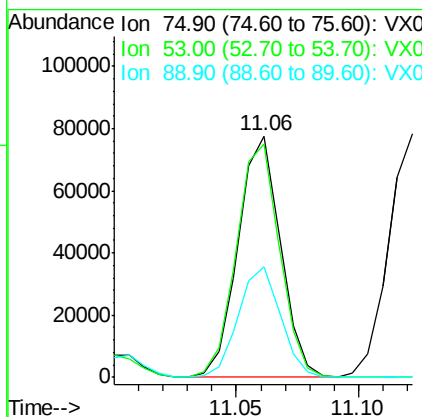
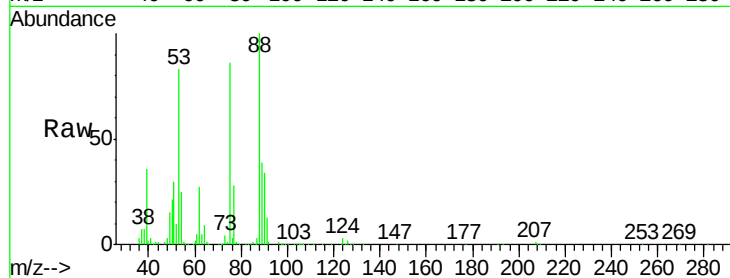
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	93137
Ion	Ratio	Lower	Upper
75	100		
53	99.7	78.3	117.5
89	46.2	37.2	55.8

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#82

4-Chlorotoluene

Concen: 50.584 ug/l

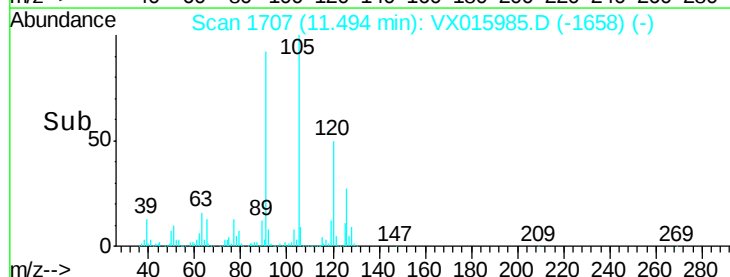
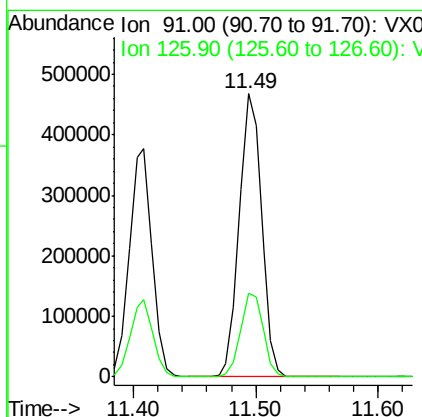
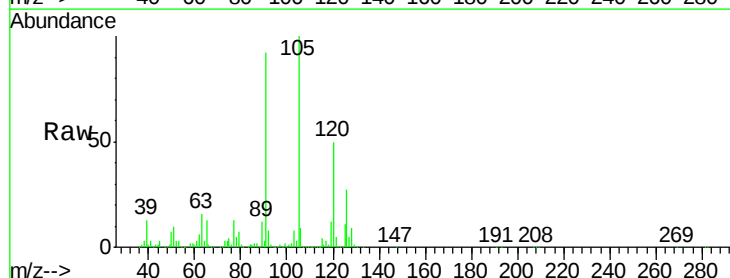
RT: 11.49 min Scan# 1707

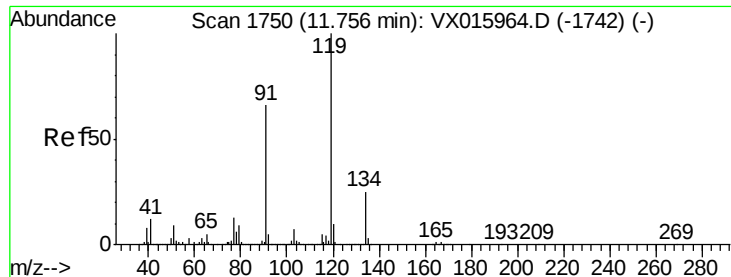
Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Tgt Ion:	91	Resp:	591154
Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.8	44.3





#83

tert-Butylbenzene

Concen: 51.049 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

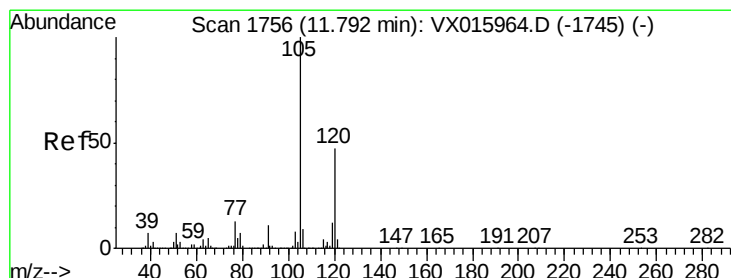
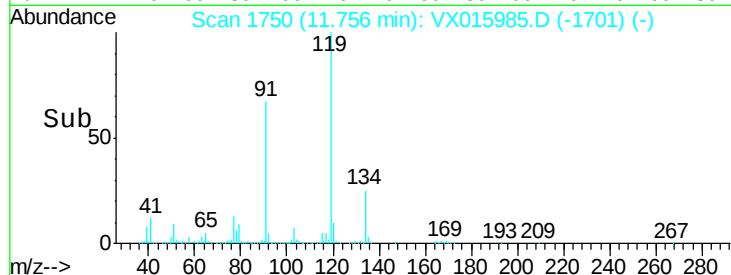
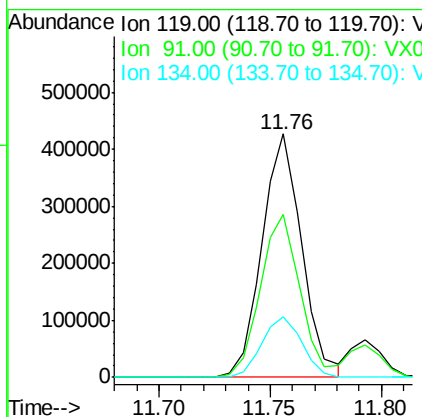
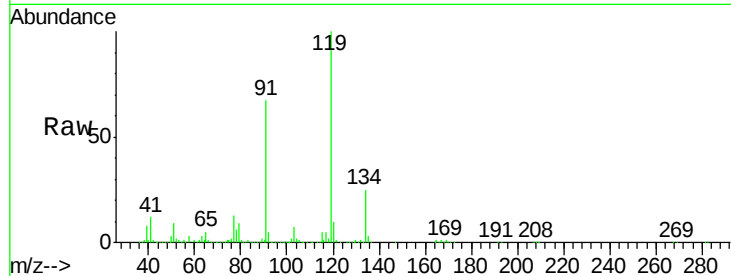
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	528593
Ion Ratio	Lower	Upper	
119	100		
91	66.1	33.5	100.4
134	25.3	12.4	37.2

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#84

1,2,4-Trimethylbenzene

Concen: 51.741 ug/l

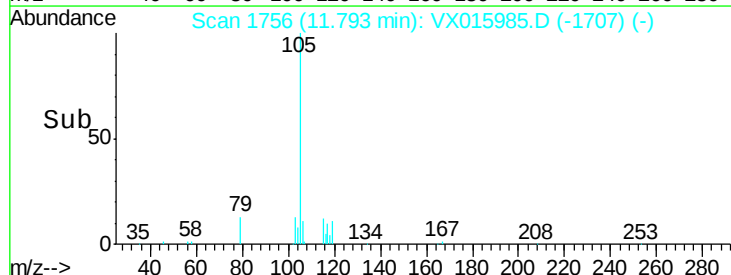
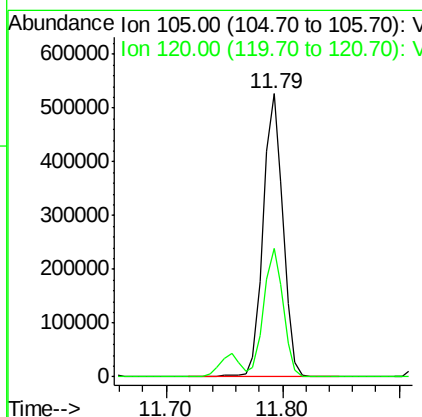
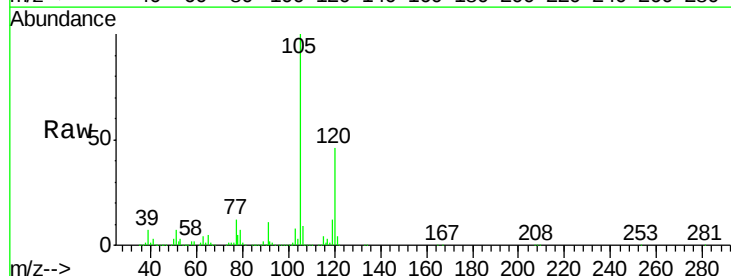
RT: 11.79 min Scan# 1756

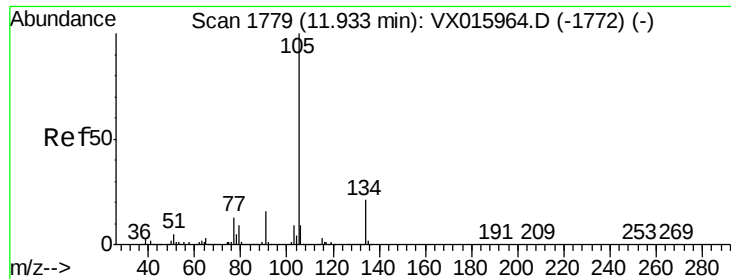
Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Tgt Ion:	105	Resp:	625349
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.9	68.8





#85

sec-Butylbenzene

Concen: 51.202 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 714309

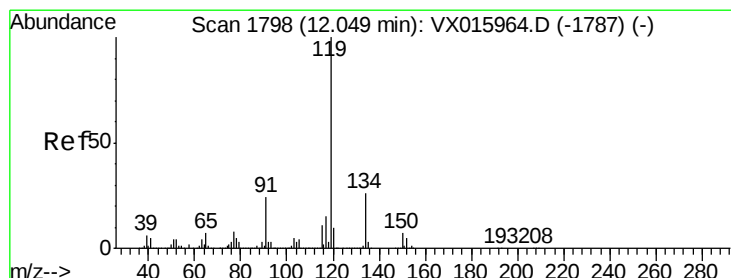
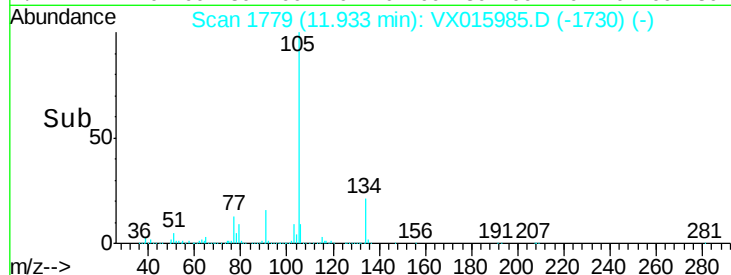
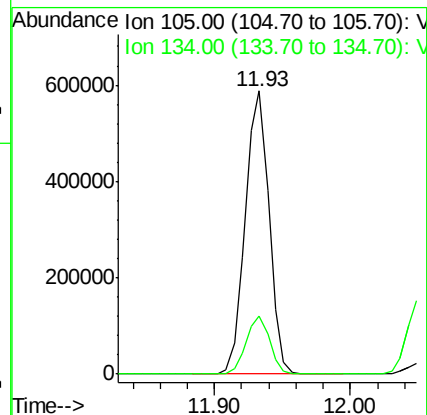
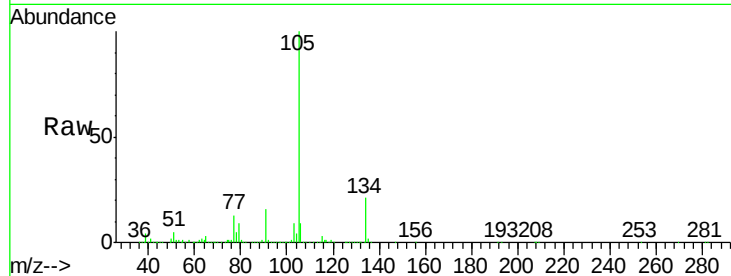
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 51.043 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX015985.D

Acq: 29 Apr 2020 18:18

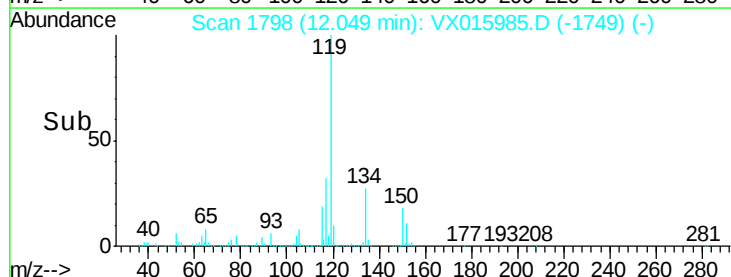
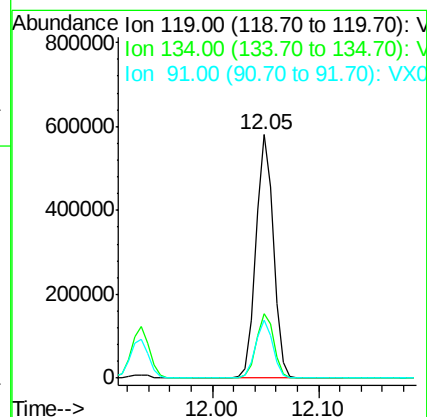
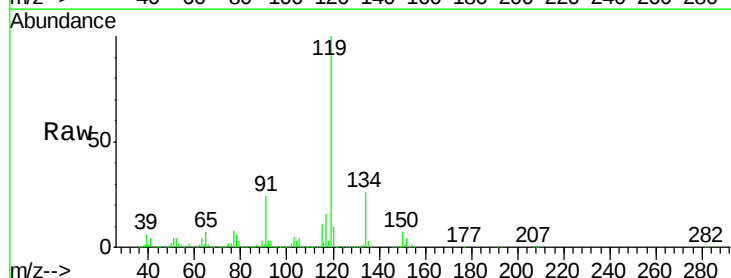
Tgt Ion:119 Resp: 666993

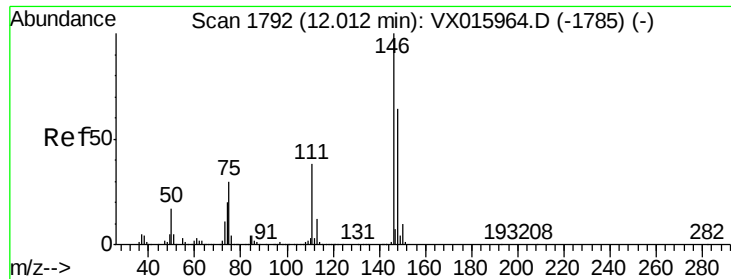
Ion Ratio Lower Upper

119 100

134 26.6 13.0 39.0

91 23.7 11.9 35.9





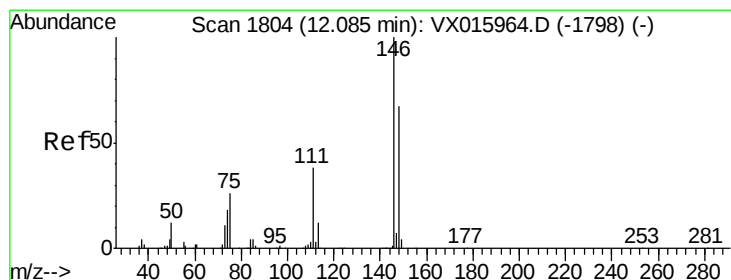
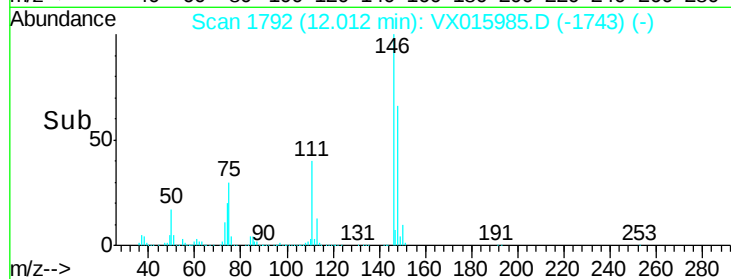
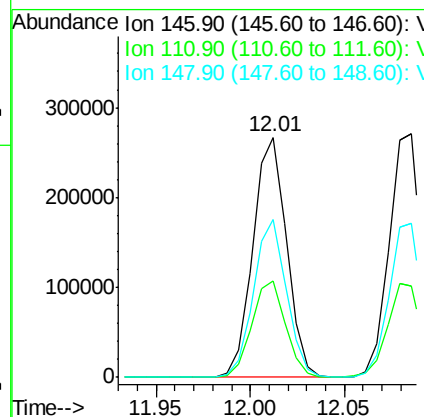
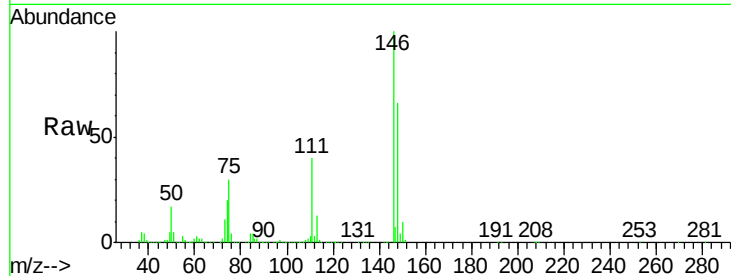
#87
 1,3-Dichlorobenzene
 Concen: 49.327 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.6	58.8
148	64.2	32.0	96.0

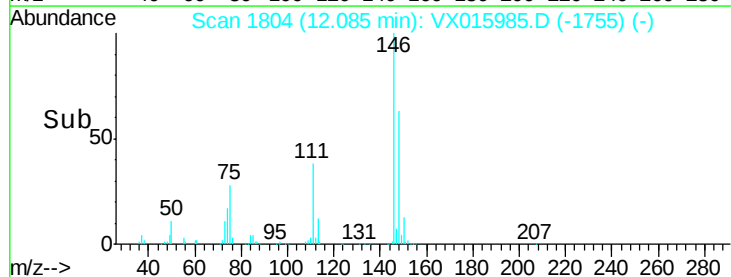
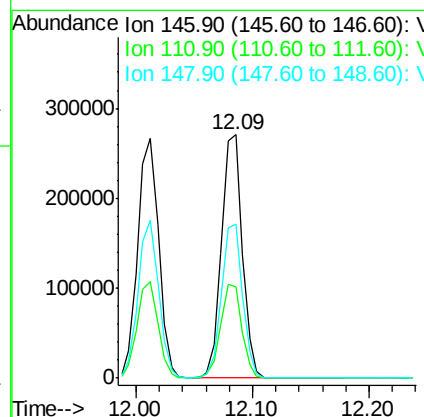
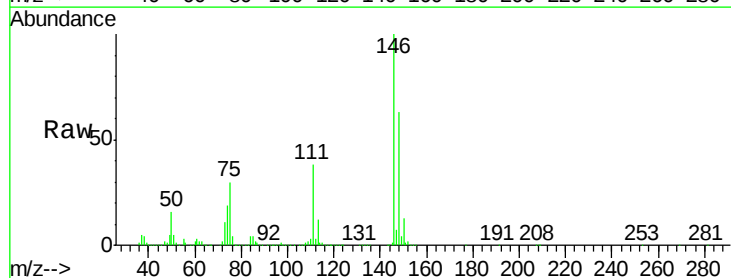
Manual Integrations
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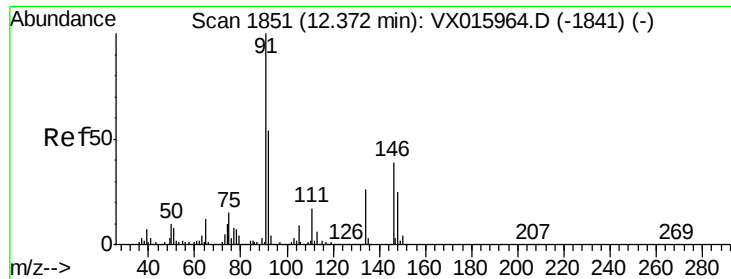
MMDadoda
 4/30/2020 2:11:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.022 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.0
148	63.9	32.8	98.4





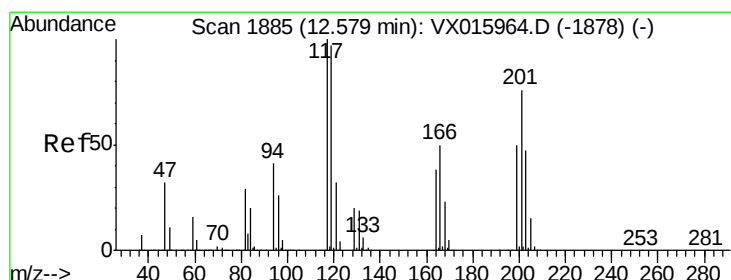
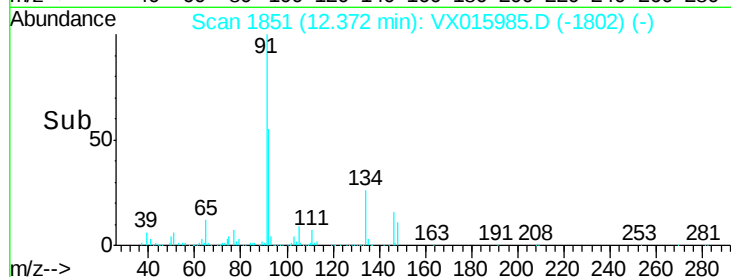
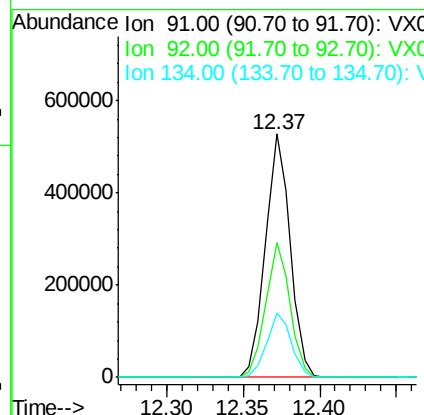
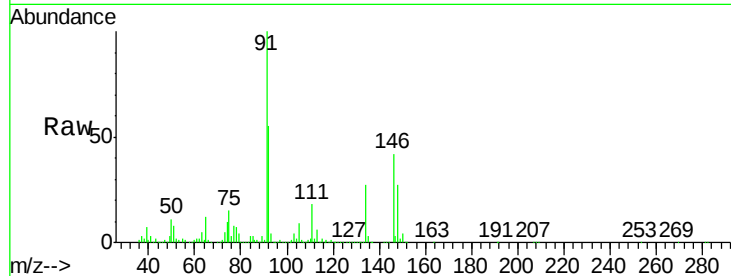
#89
n-Butylbenzene
Concen: 50.685 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.1	81.3
134	26.5	13.3	39.8

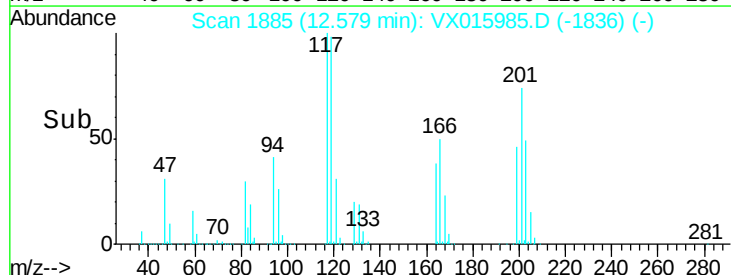
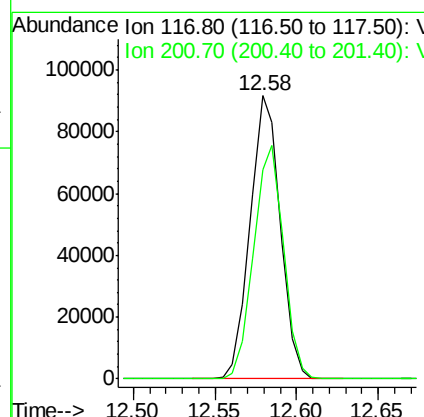
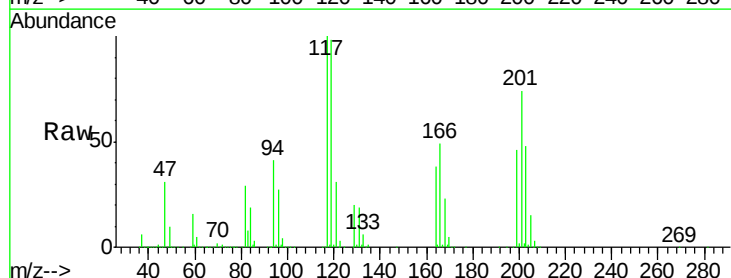
Manual Integrations
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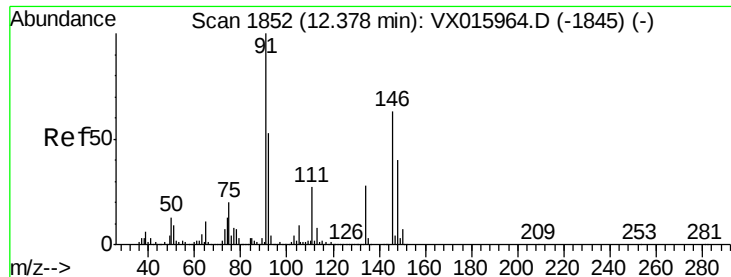
MMDadoda
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#90
Hexachloroethane
Concen: 51.317 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	40.3	120.8





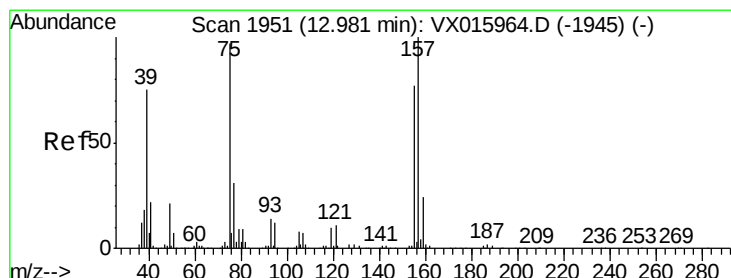
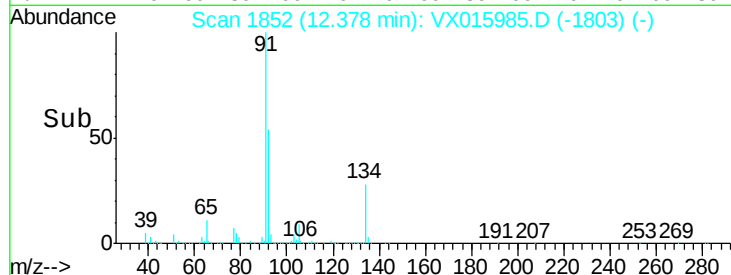
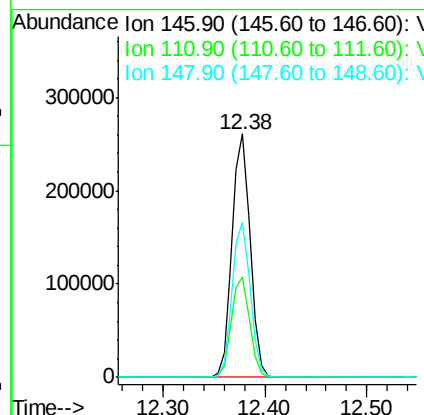
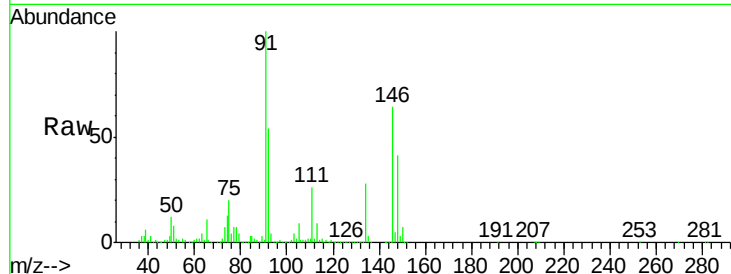
#91
1,2-Dichlorobenzene
Concen: 49.794 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.6	21.1	63.3	
148	63.8	32.3	96.9	

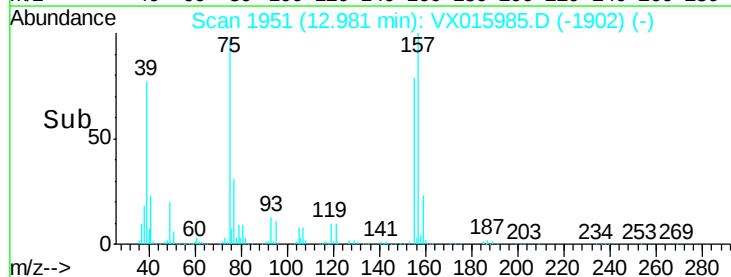
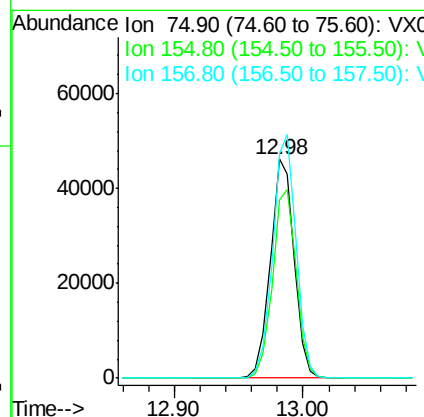
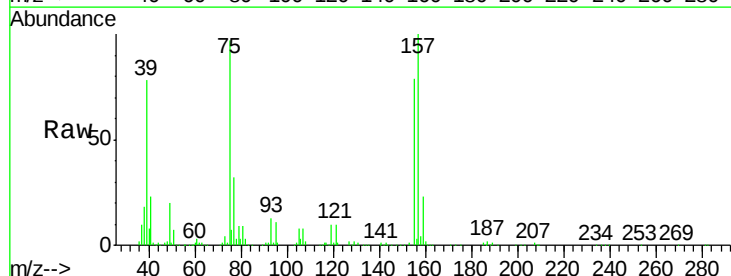
Manual Integrations
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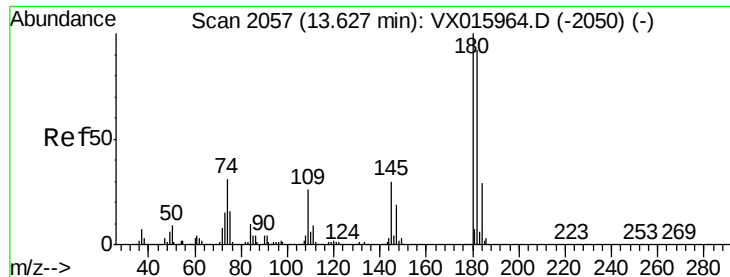
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#92
1,2-Dibromo-3-Chloropropane
Concen: 50.251 ug/l
RT: 12.98 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	86.0	42.5	127.6	
157	109.4	56.0	168.2	





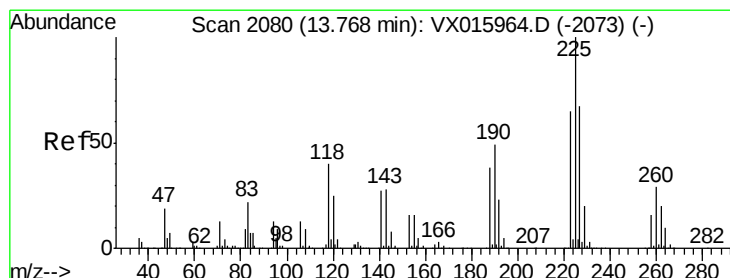
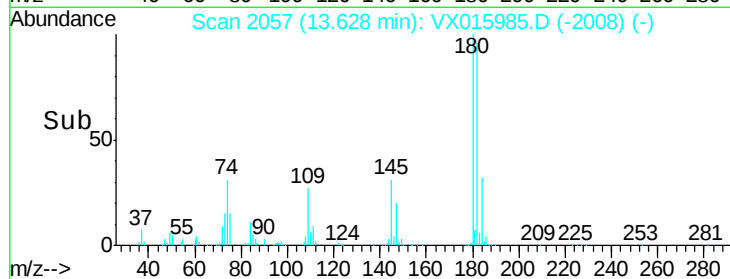
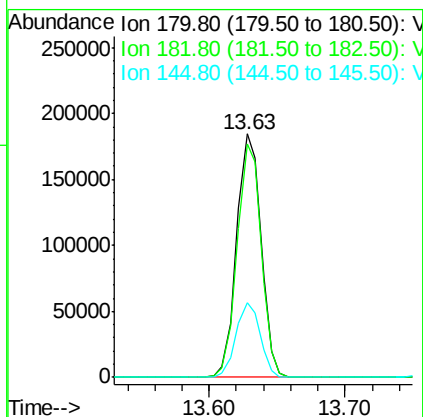
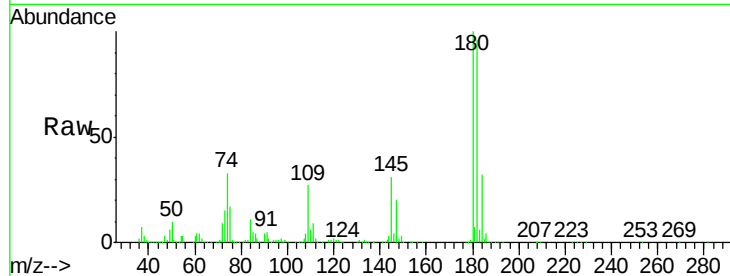
#93
 1,2,4-Trichlorobenzene
 Concen: 47.923 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	230175		
182	94.6	46.9	140.6	
145	30.4	14.7	44.1	

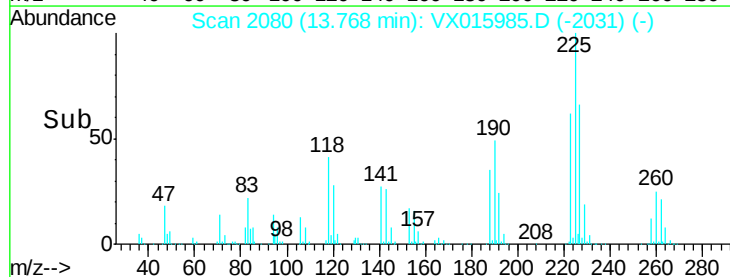
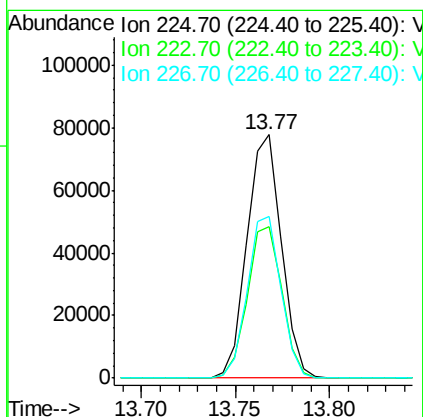
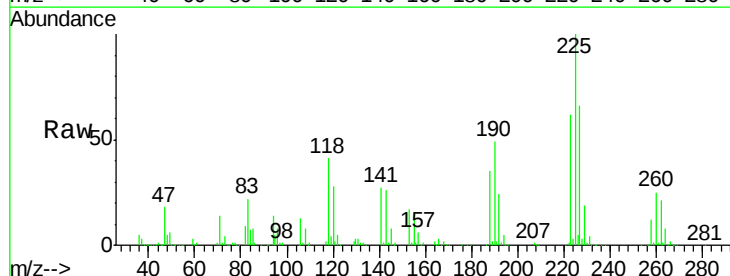
Manual Integrations
 APPROVED

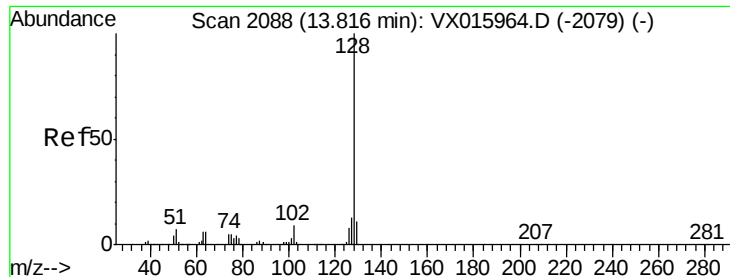
MMDadoda
 4/30/2020 2:11:51 PM



#94
 Hexachlorobutadiene
 Concen: 45.897 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX015985.D
 Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98491		
223	62.4	32.0	96.0	
227	64.8	33.0	99.0	





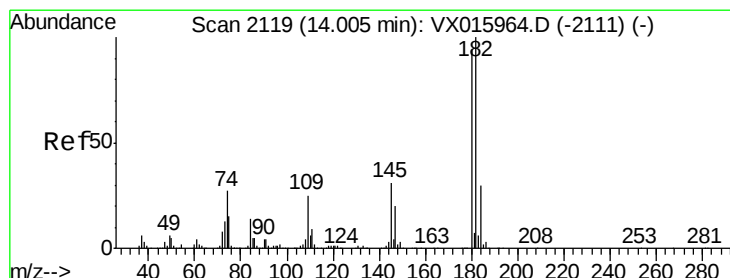
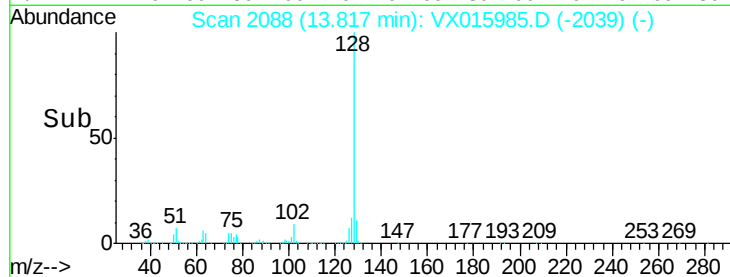
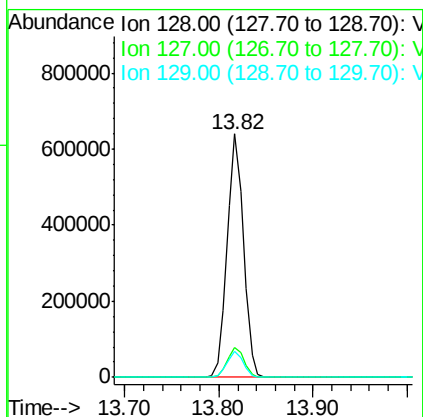
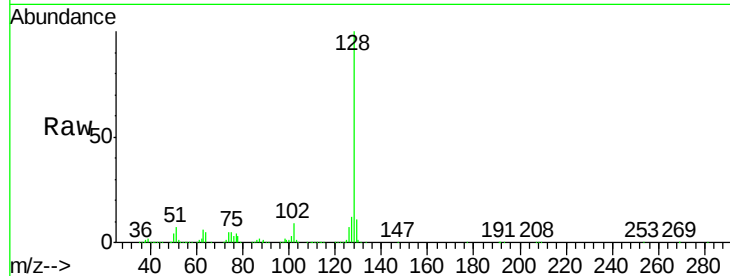
#95
Naphthalene
Concen: 50.735 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/30/2020 2:11:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.358 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.01 min
Lab File: VX015985.D
Acq: 29 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.7	146.1
145	32.6	16.1	48.3

