

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031220\
 Data File : VX015238.D
 Acq On : 12 Mar 2020 17:14
 Operator : JC/SP
 Sample : VX0312WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:43:50 AM

Quant Time: Mar 13 05:06:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	276228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	418240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	383418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	197751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	153242	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	5.49	113	130462	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	8.71	98	496569	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.13	95	180169	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	43264	17.886	ug/l	99
3) Chloromethane	1.32	50	61127	17.840	ug/l	99
4) Vinyl Chloride	1.40	62	60944	17.541	ug/l	99
5) Bromomethane	1.64	94	38780	18.156	ug/l	99
6) Chloroethane	1.72	64	40891	19.620	ug/l	98
7) Trichlorofluoromethane	1.92	101	78350	18.952	ug/l	96
8) Diethyl Ether	2.18	74	36639	19.567	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48829	18.773	ug/l	99
10) Methyl Iodide	2.50	142	42519	14.470	ug/l	98
11) Tert butyl alcohol	3.02	59	61955	108.966	ug/l	99
12) 1,1-Dichloroethene	2.37	96	48323	18.002	ug/l	99
13) Acrolein	2.28	56	47237	88.405	ug/l	98
14) Allyl chloride	2.72	41	92798	19.826	ug/l	94
15) Acrylonitrile	3.13	53	152739	107.868	ug/l	98
16) Acetone	2.43	43	121855	91.816	ug/l	98
17) Carbon Disulfide	2.56	76	124586	16.713	ug/l	99
18) Methyl Acetate	2.76	43	69849	21.524	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	165670	19.750	ug/l	98
20) Methylene Chloride	2.85	84	57137	18.396	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	53113	18.531	ug/l	93
22) Diisopropyl ether	3.84	45	191299	20.514	ug/l	99
23) Vinyl Acetate	3.80	43	793779	103.554	ug/l	98
24) 1,1-Dichloroethane	3.69	63	99822	19.287	ug/l	99
25) 2-Butanone	4.65	43	204157	105.075	ug/l	96
26) 2,2-Dichloropropane	4.58	77	74214	18.063	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	61528	19.135	ug/l	99
28) Bromochloromethane	5.00	49	51367	21.796	ug/l	96
29) Tetrahydrofuran	5.11	42	133836	106.859	ug/l	97
30) Chloroform	5.20	83	97005	19.230	ug/l	100
31) Cyclohexane	5.58	56	88993	19.278	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	79357	18.978	ug/l	98
36) 1,1-Dichloropropene	5.79	75	71976	18.616	ug/l	98
37) Ethyl Acetate	4.82	43	79487	22.162	ug/l	98
38) Carbon Tetrachloride	5.78	117	67399	18.467	ug/l	97

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VX0312WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:43:50 AM

Quant Time: Mar 13 05:06:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	85477	18.933	ug/l	99
40) Benzene	6.14	78	224791	19.596	ug/l	98
41) Methacrylonitrile	5.03	41	46416	21.546	ug/l	96
42) 1,2-Dichloroethane	6.18	62	73833	18.742	ug/l	98
43) Isopropyl Acetate	6.43	43	129980	20.601	ug/l	98
44) Trichloroethene	7.21	130	61577	19.275	ug/l	98
45) 1,2-Dichloropropane	7.51	63	61068	20.567	ug/l	98
46) Dibromomethane	7.65	93	36429	18.829	ug/l	95
47) Bromodichloromethane	7.89	83	72868	19.046	ug/l	98
48) Methyl methacrylate	7.76	41	64520	20.092	ug/l	97
49) 1,4-Dioxane	7.73	88	28160	405.581	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	409532	109.780	ug/l	100
52) Toluene	8.78	92	140266	19.998	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	78656	19.315	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	88787	19.286	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	57916	20.062	ug/l	98
56) Ethyl methacrylate	9.17	69	88346	21.455	ug/l	97
57) 1,3-Dichloropropane	9.37	76	98159	20.210	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	226154	100.814	ug/l	100
59) 2-Hexanone	9.48	43	304779	110.228	ug/l	99
60) Dibromochloromethane	9.57	129	59246	19.537	ug/l	99
61) 1,2-Dibromoethane	9.67	107	59944	19.769	ug/l	99
64) Tetrachloroethene	9.33	164	62773	19.801	ug/l	97
65) Chlorobenzene	10.14	112	151796	19.720	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	57524	19.818	ug/l	98
67) Ethyl Benzene	10.25	91	258771	19.797	ug/l	99
68) m/p-Xylenes	10.35	106	197383	39.689	ug/l	99
69) o-Xylene	10.70	106	97322	20.439	ug/l	98
70) Styrene	10.71	104	167313	20.494	ug/l	99
71) Bromoform	10.85	173	44224	19.648	ug/l #	99
73) Isopropylbenzene	11.01	105	255176	20.200	ug/l	99
74) N-amyl acetate	10.89	43	111144	20.877	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	85221	20.243	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	81201m	20.586	ug/l	
77) Bromobenzene	11.25	156	69709	19.801	ug/l	99
78) n-propylbenzene	11.35	91	292630	20.276	ug/l	100
79) 2-Chlorotoluene	11.42	91	174193	20.211	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	212181	20.177	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	26304	18.925	ug/l	97
82) 4-Chlorotoluene	11.51	91	200060	19.647	ug/l	99
83) tert-Butylbenzene	11.76	119	213148	20.962	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	215839	20.431	ug/l	99
85) sec-Butylbenzene	11.94	105	252398	20.562	ug/l	99
86) p-Isopropyltoluene	12.06	119	233073	20.609	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	125008	20.199	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	121113	18.955	ug/l	97
89) n-Butylbenzene	12.39	91	198021	19.687	ug/l	97
90) Hexachloroethane	12.59	117	40027	18.722	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	122507	19.910	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	17386	20.623	ug/l	94

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

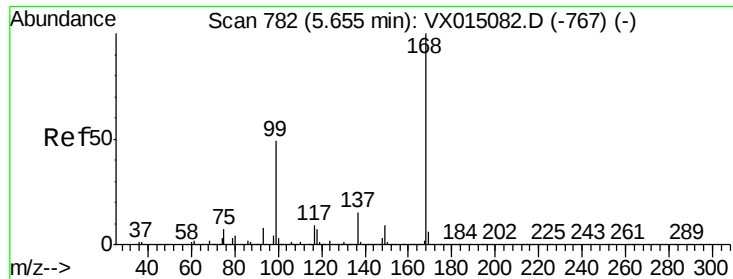
Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:50 AM

Quant Time: Mar 13 05:06:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	87488	20.484	ug/l	99
94) Hexachlorobutadiene	13.78	225	45549	20.783	ug/l	100
95) Naphthalene	13.83	128	244724	19.585	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	89088	20.906	ug/l	99

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



#1

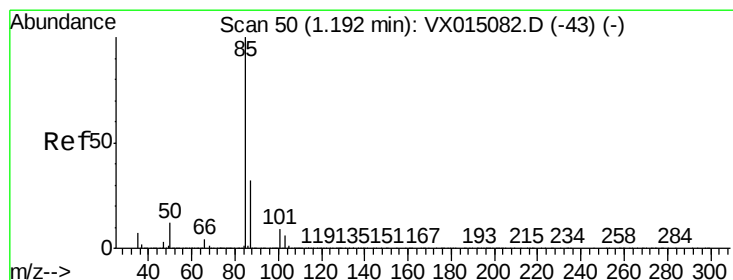
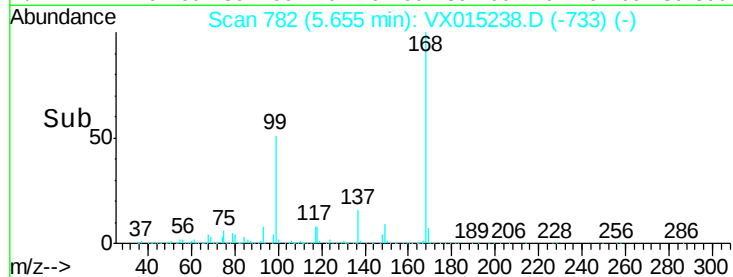
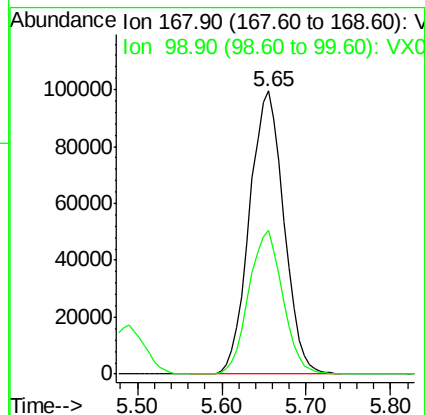
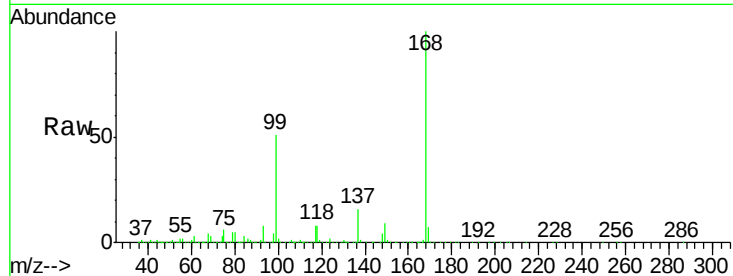
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VX015238.D
 Acq: 12 Mar 2020 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.5	39.4	59.2

Manual Integrations
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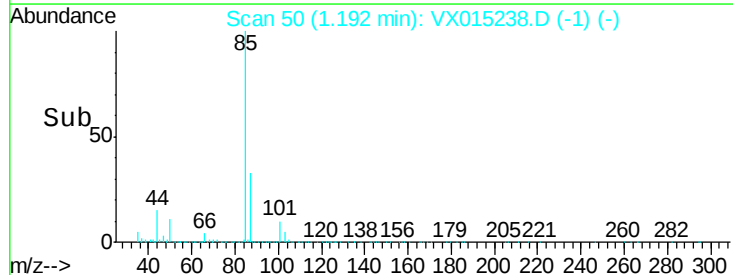
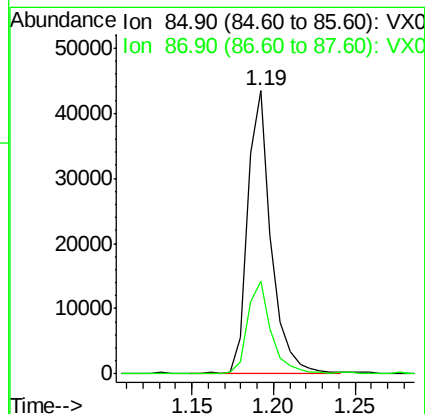
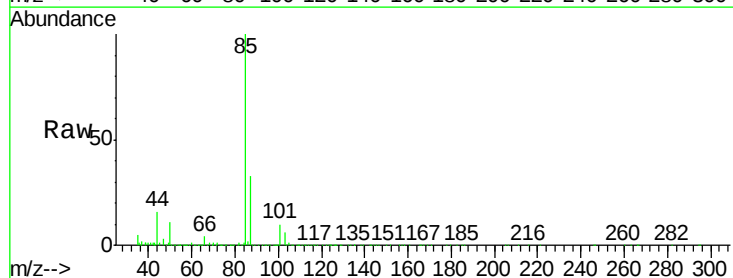
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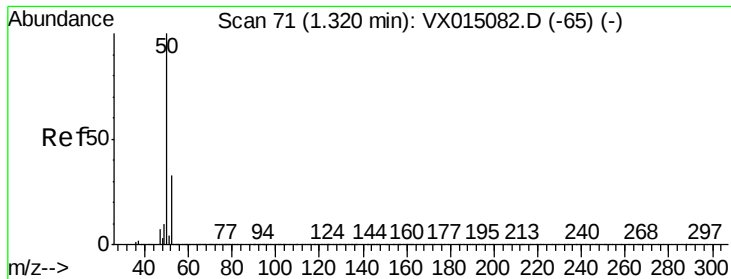


#2

Dichlorodifluoromethane
 Concen: 17.886 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX015238.D
 Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.7	16.2	48.5





#3

Chloromethane

Concen: 17.840 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion: 50 Resp: 61127

Ion Ratio Lower Upper

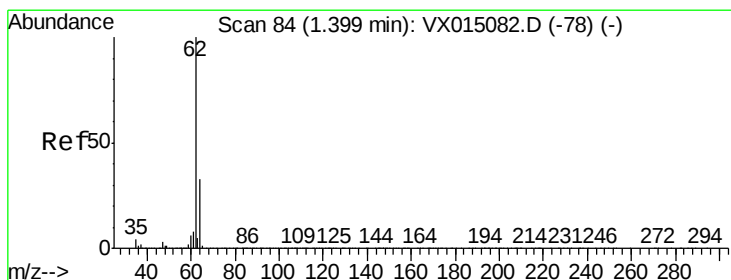
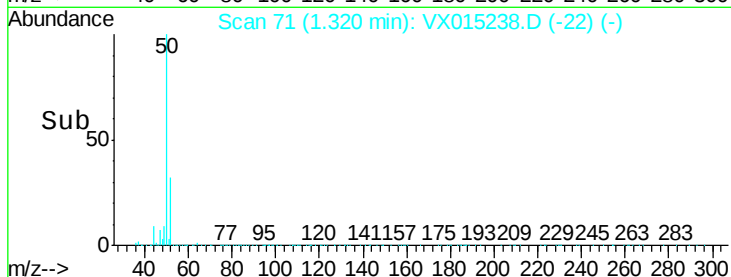
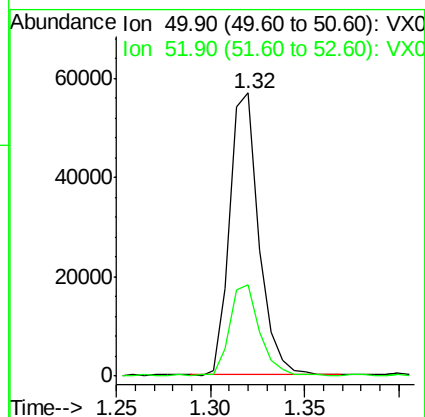
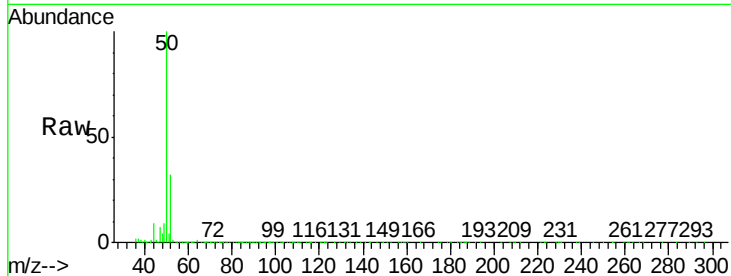
50 100

52 32.4 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.541 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX015238.D

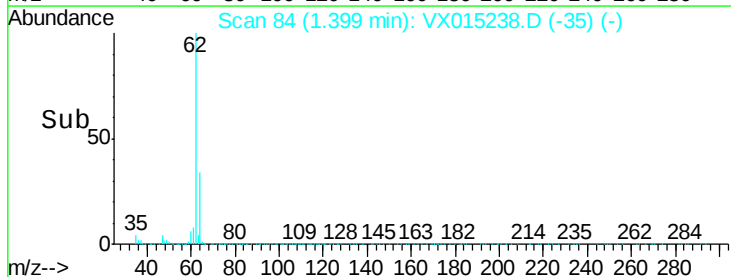
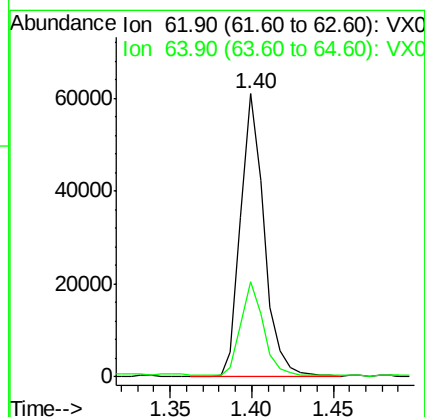
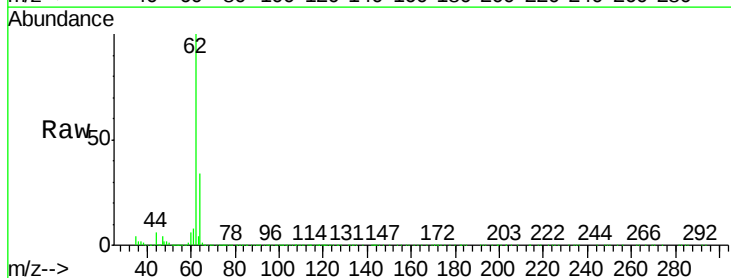
Acq: 12 Mar 2020 17:14

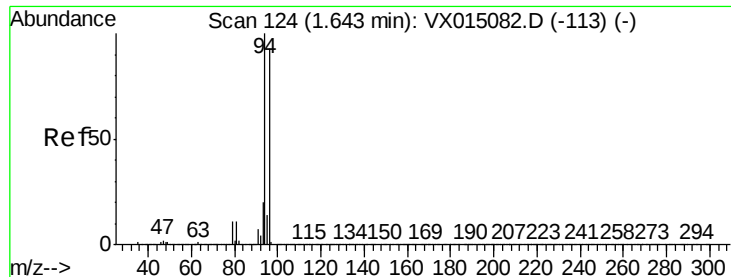
Tgt Ion: 62 Resp: 60944

Ion Ratio Lower Upper

62 100

64 33.2 26.1 39.1





#5

Bromomethane

Concen: 18.156 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.01 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion: 94 Resp: 38780

Ion Ratio Lower Upper

94 100

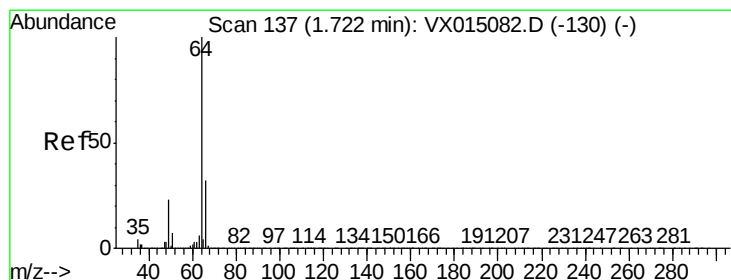
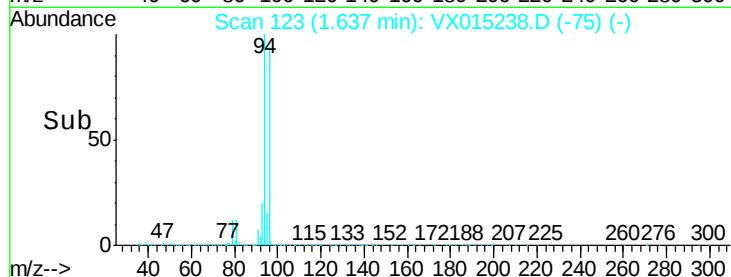
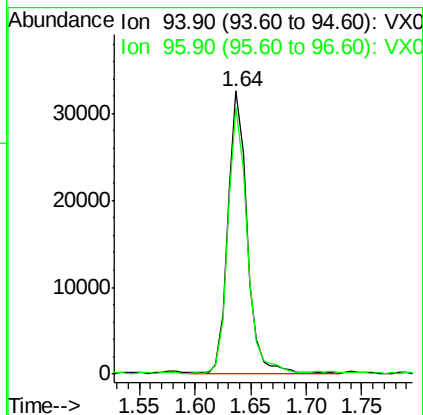
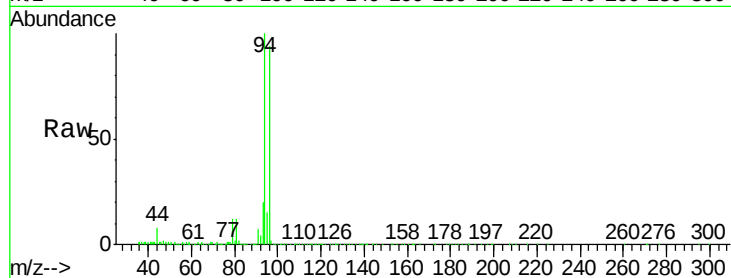
96 94.1 74.6 111.8

Manual Integrations

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#6

Chloroethane

Concen: 19.620 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.00 min

Lab File: VX015238.D

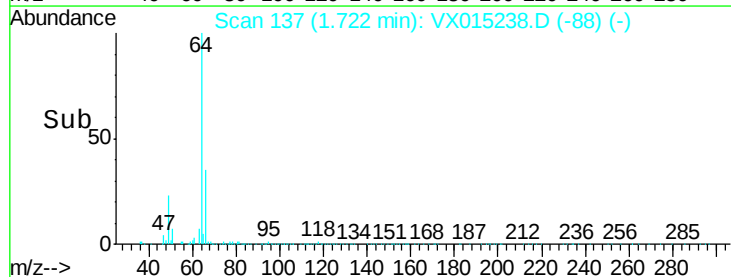
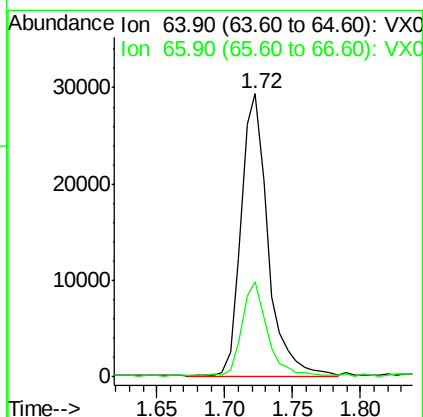
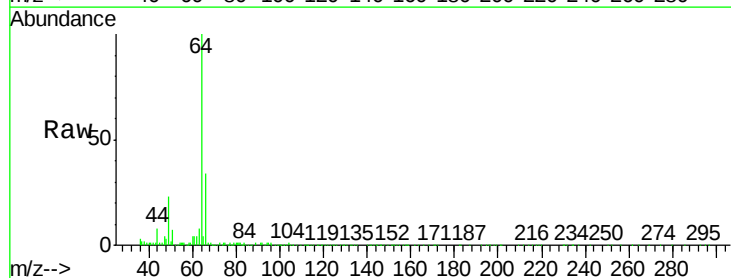
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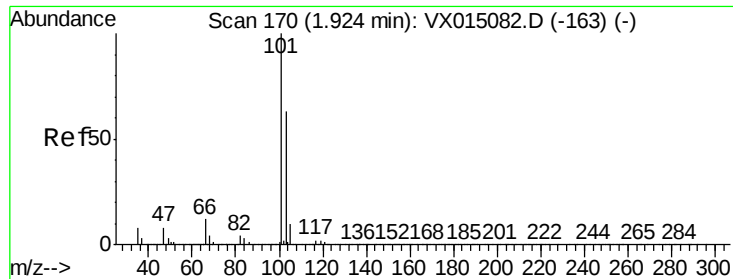
Tgt Ion: 64 Resp: 40891

Ion Ratio Lower Upper

64 100

66 33.4 25.8 38.8





#7

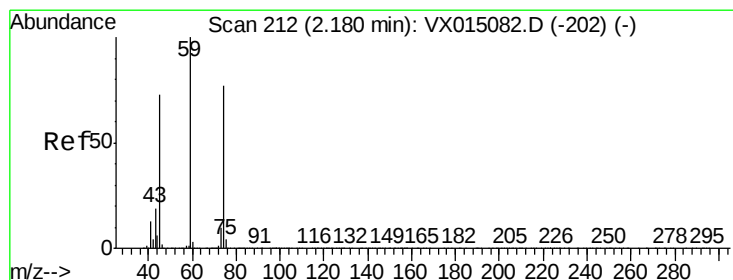
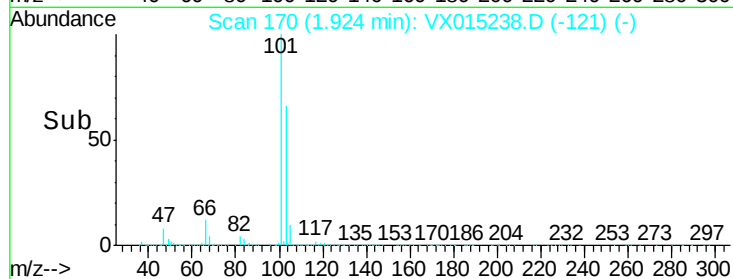
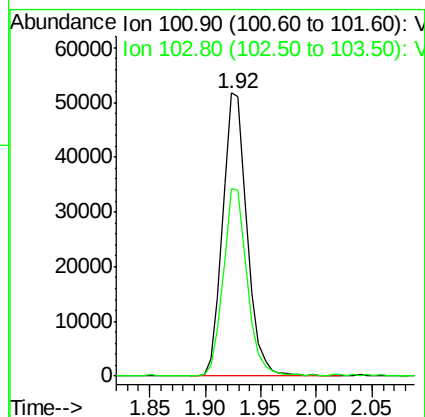
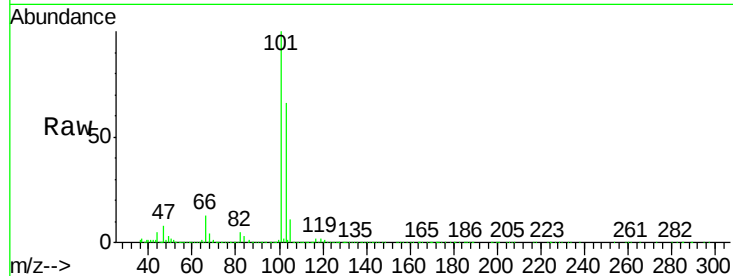
Trichlorofluoromethane
Concen: 18.952 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	66.2	50.4	75.6	

Manual Integrations
APPROVED

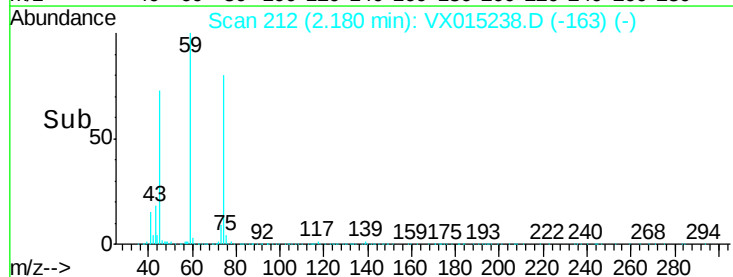
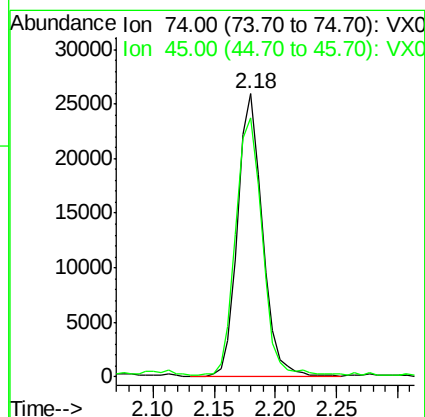
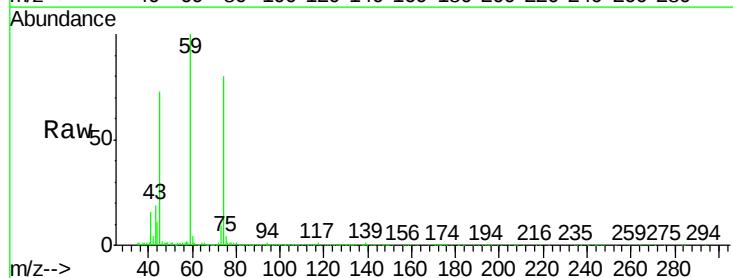
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3/16/2020 11:43:50 AM

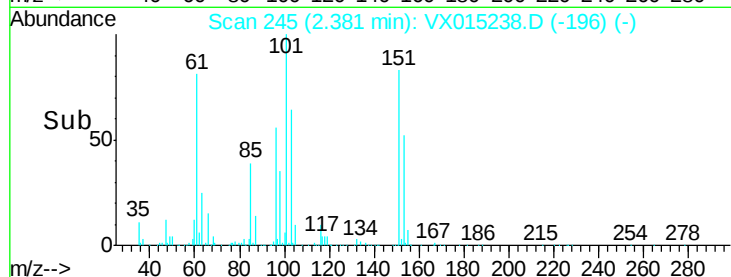
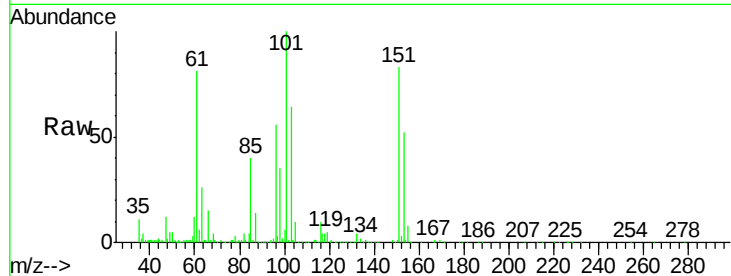
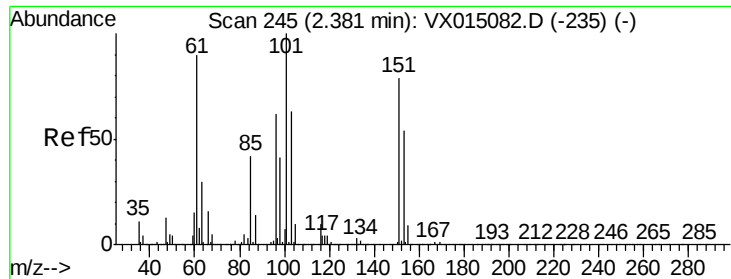


#8

Diethyl Ether
Concen: 19.567 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	95.5	49.2	147.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.773 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

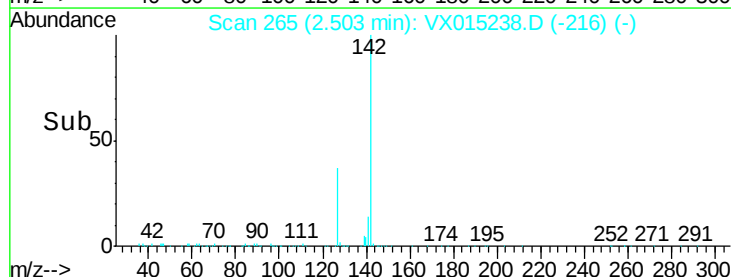
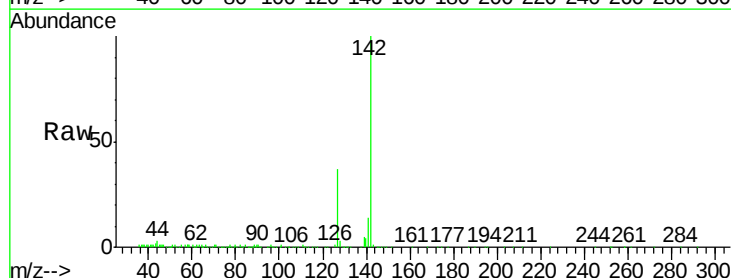
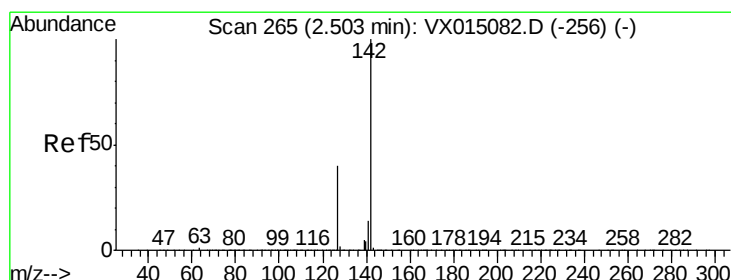
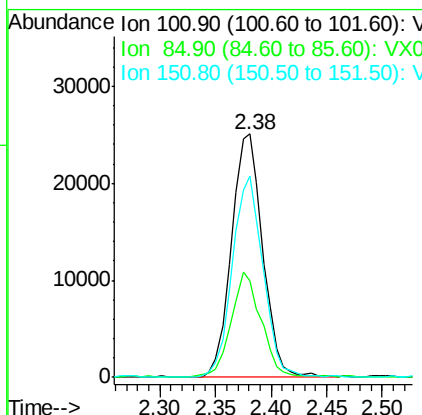
ClientSampleId :

VX0312WBSD01

Tot Ion:	101	Resp:	48829
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.7	50.5
151	81.6	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 14.470 ug/l

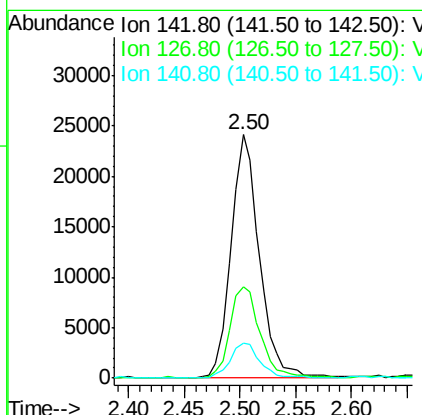
RT: 2.50 min Scan# 265

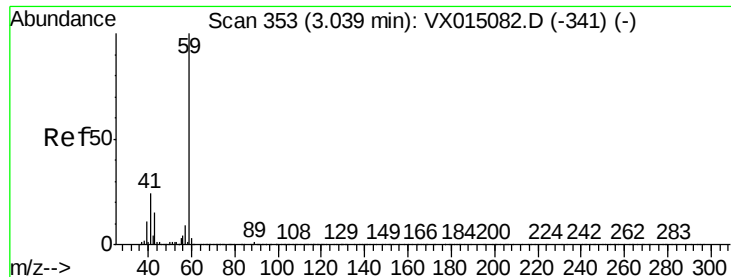
Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Tgt Ion:	142	Resp:	42519
Ion Ratio	Lower	Upper	
142	100		
127	40.3	31.7	47.5
141	15.4	11.3	16.9





#11

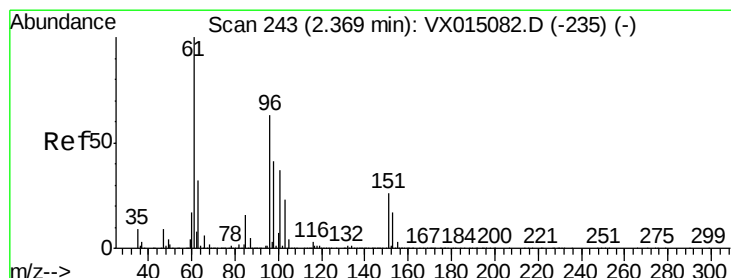
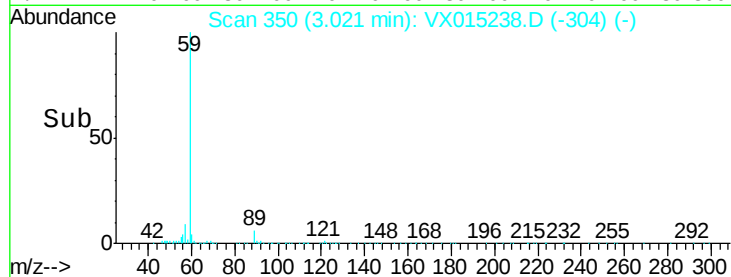
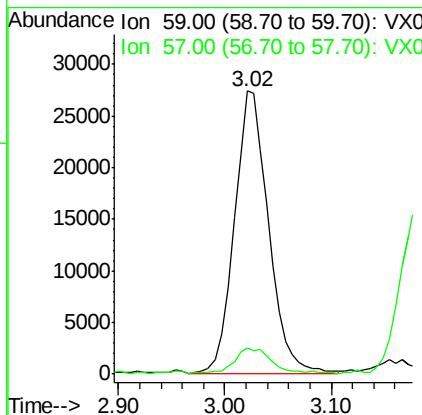
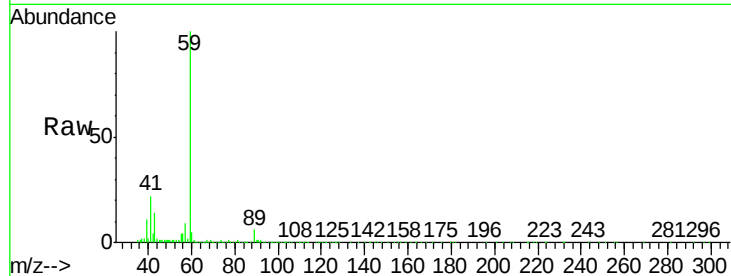
Tert butyl alcohol
Concen: 108.966 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

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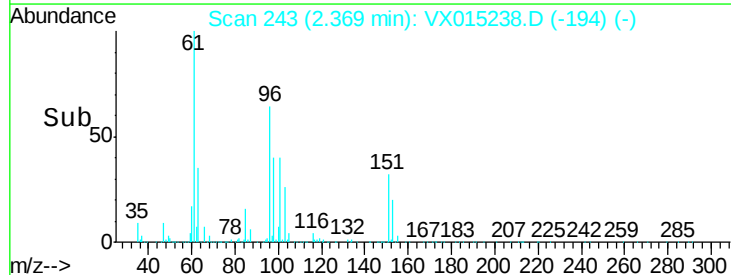
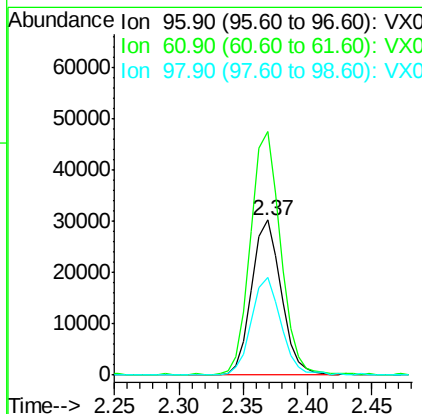
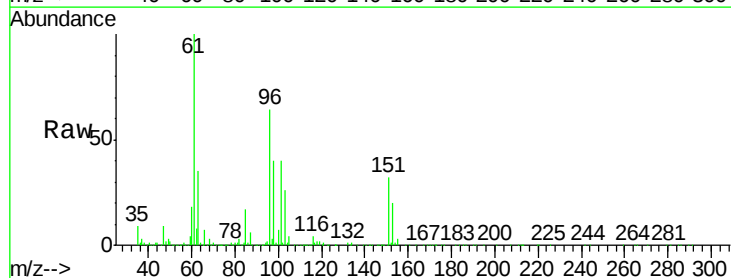
MMDadoda
3/16/2020 11:43:50 AM

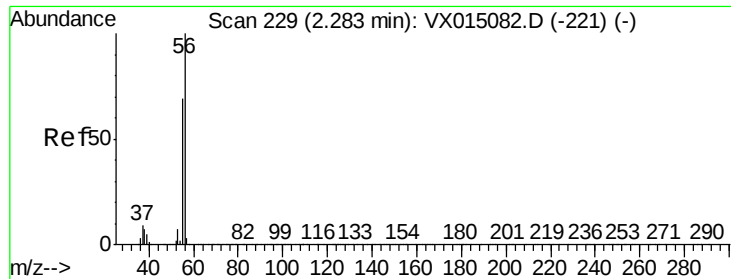


#12

1,1-Dichloroethene
Concen: 18.002 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.7	126.2	189.4
98	62.5	51.4	77.0





#13

Acrolein

Concen: 88.405 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion: 56 Resp: 47237

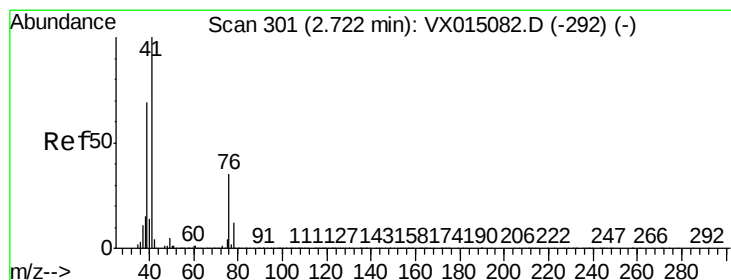
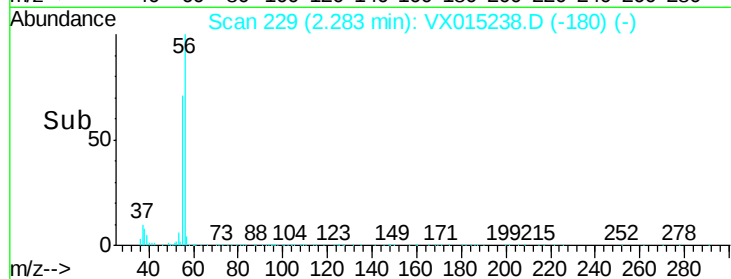
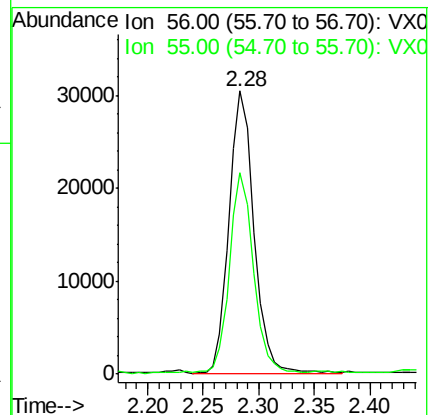
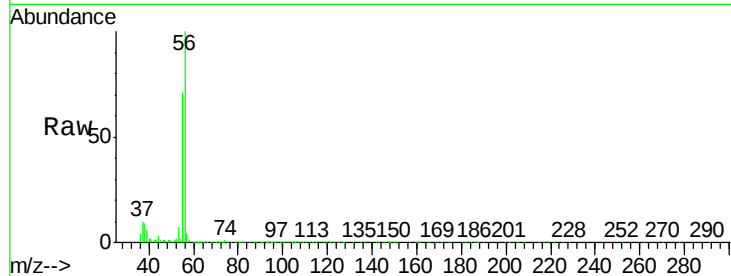
Ion Ratio Lower Upper

56 100

55 67.4 55.4 83.0

Manual Integrations
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#14

Allyl chloride

Concen: 19.826 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

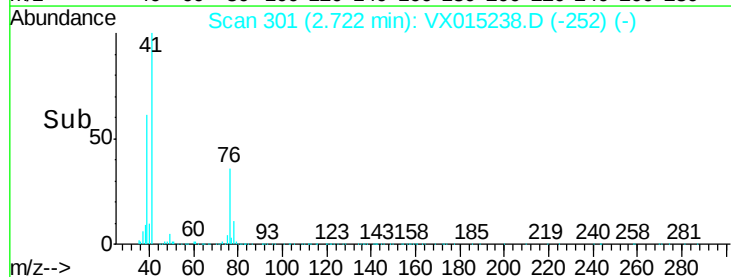
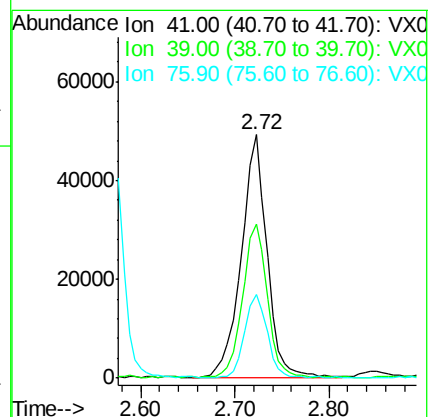
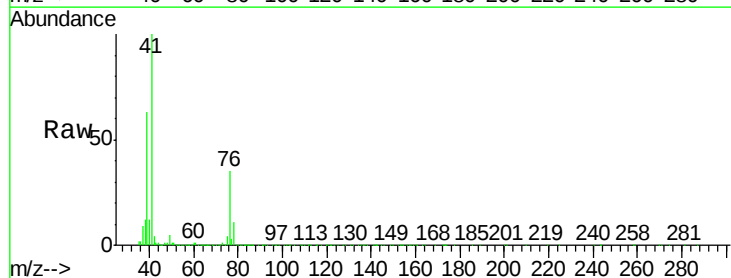
Tgt Ion: 41 Resp: 92798

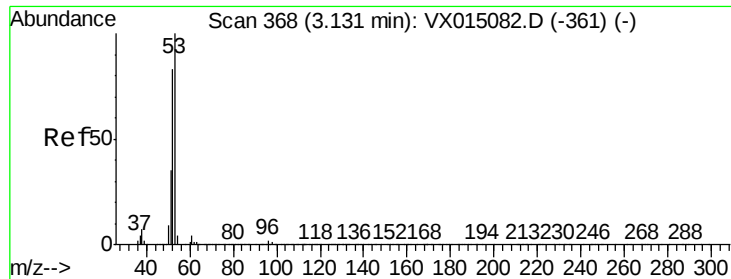
Ion Ratio Lower Upper

41 100

39 61.1 52.9 79.3

76 30.2 26.8 40.2





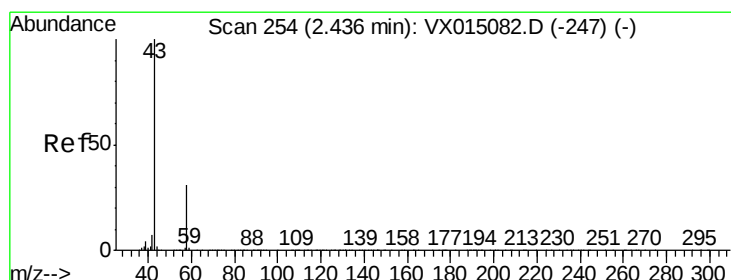
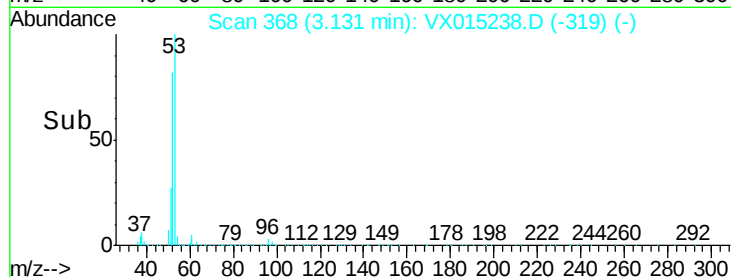
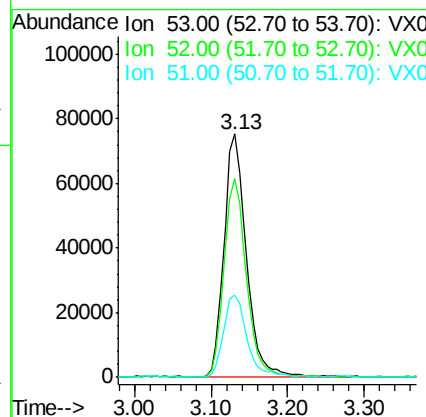
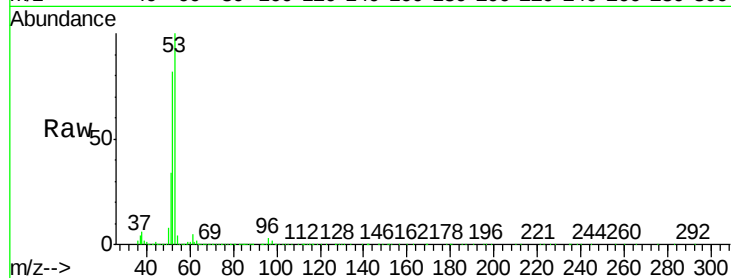
#15
 Acrylonitrile
 Concen: 107.868 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VX015238.D
 Acq: 12 Mar 2020 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBSD01

Tot Ion:	53	Resp:	152739
Ion Ratio	Lower	Upper	
53	100		
52	81.2	66.6	100.0
51	35.2	29.0	43.6

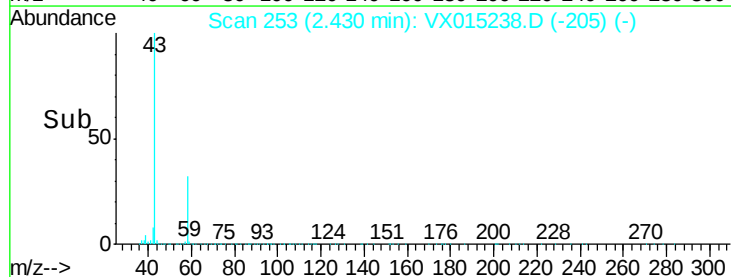
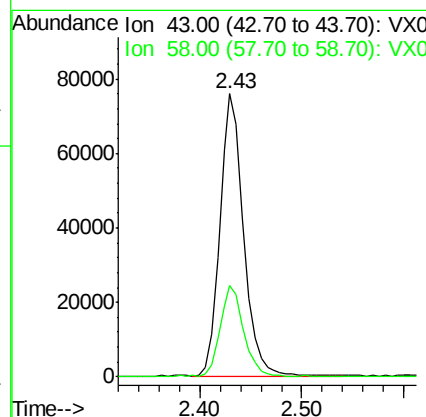
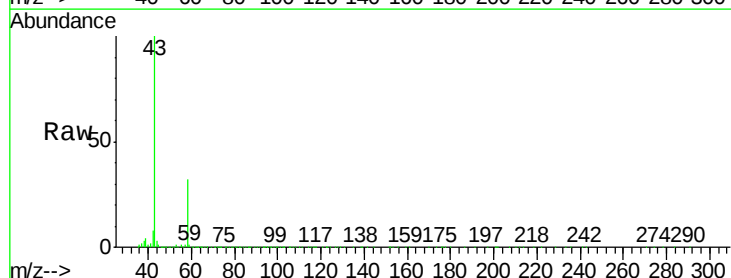
Manual Integrations
 APPROVED

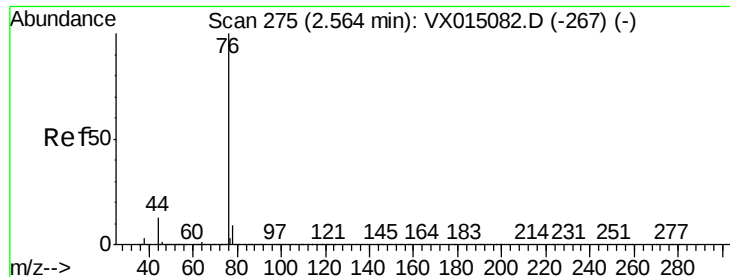
MMDadoda
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#16
 Acetone
 Concen: 91.816 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX015238.D
 Acq: 12 Mar 2020 17:14

Tgt Ion:	43	Resp:	121855
Ion Ratio	Lower	Upper	
43	100		
58	32.1	24.8	37.2





#17

Carbon Disulfide

Concen: 16.713 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion: 76 Resp: 124586

Ion Ratio Lower Upper

76 100

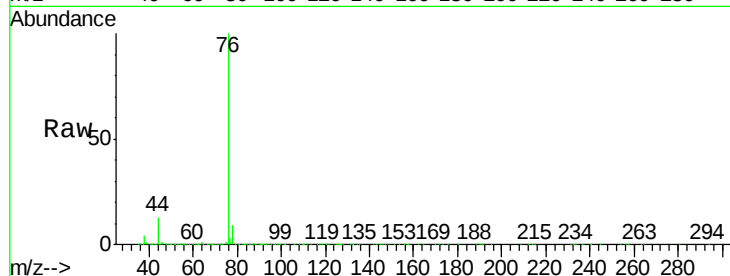
78 8.8 7.3 10.9

Manual Integrations

APPROVED

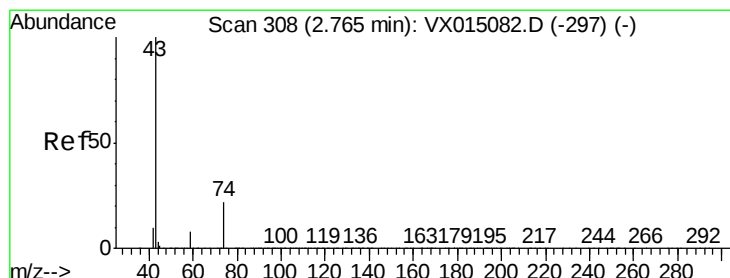
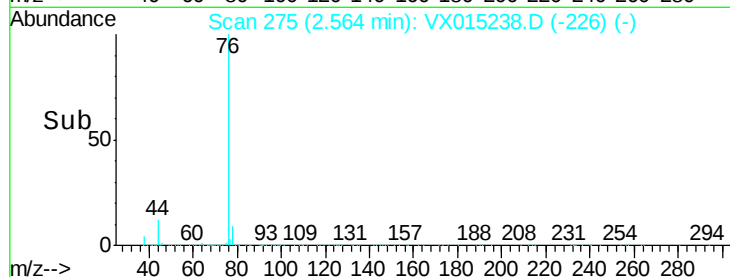
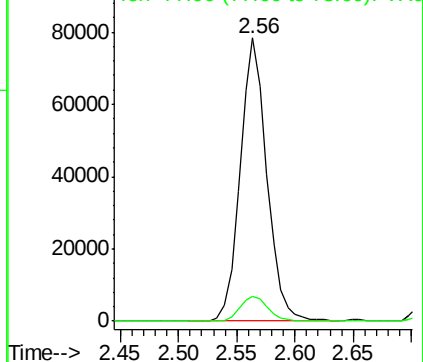
MMDadoda

3/16/2020 11:43:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.524 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX015238.D

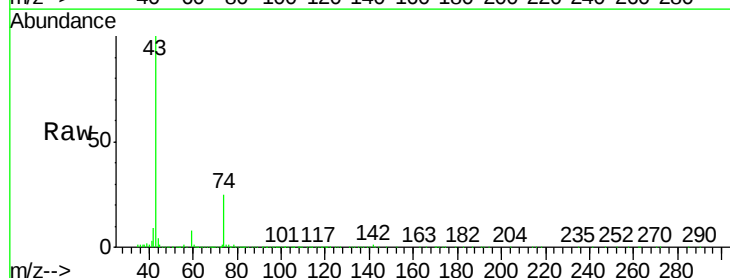
Acq: 12 Mar 2020 17:14

Tgt Ion: 43 Resp: 69849

Ion Ratio Lower Upper

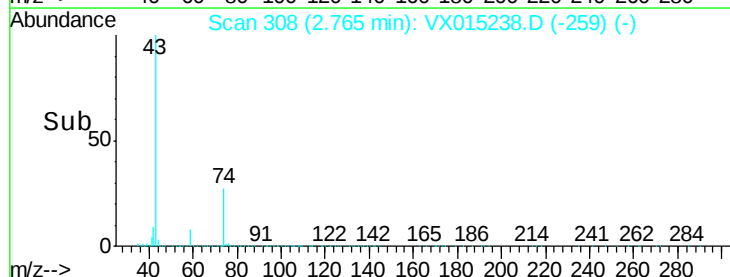
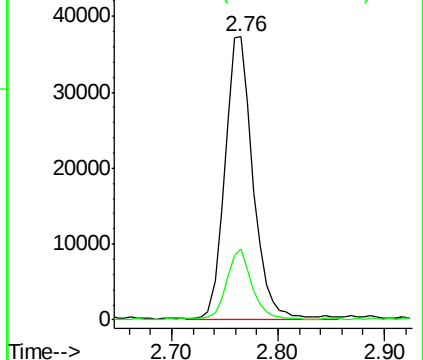
43 100

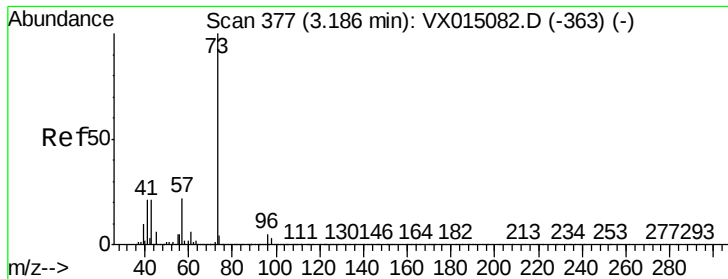
74 23.3 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

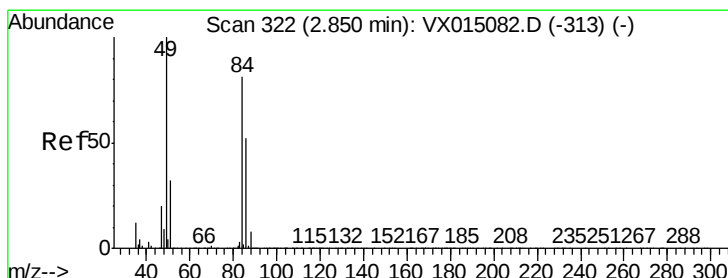
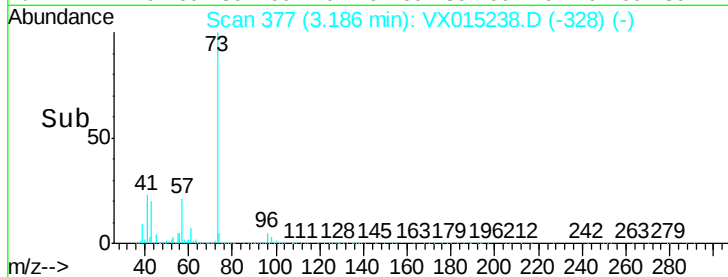
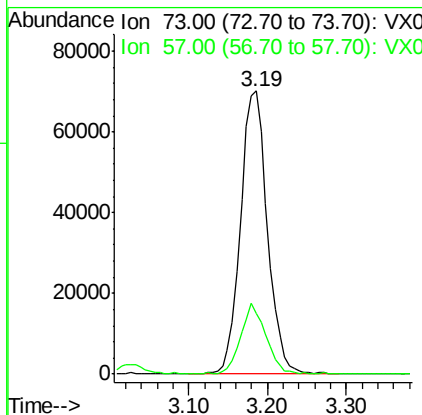
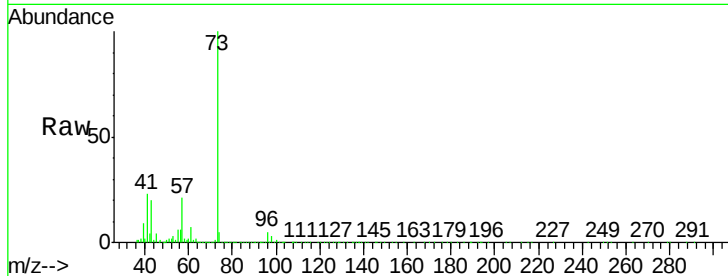
Methyl tert-butyl Ether
 Concen: 19.750 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX015238.D
 Acq: 12 Mar 2020 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.8	26.6

Manual Integrations
 APPROVED

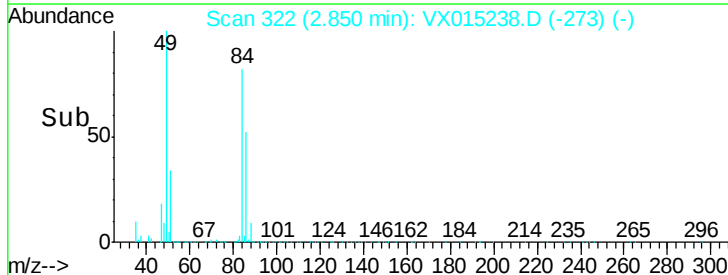
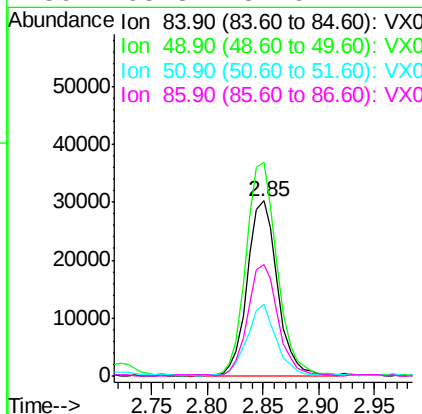
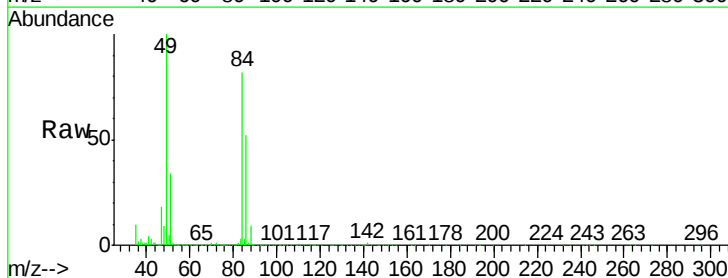
MMDadoda
 3/16/2020 11:43:50 AM

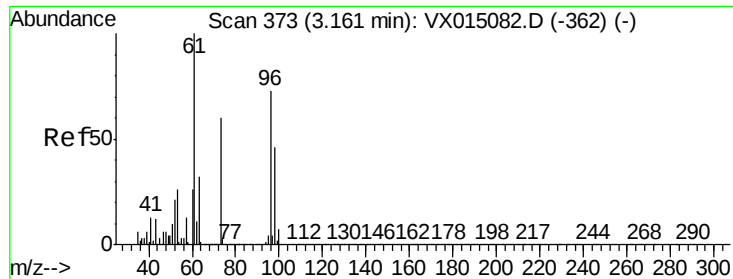


#20

Methylene Chloride
 Concen: 18.396 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. 0.00 min
 Lab File: VX015238.D
 Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.9	99.4	149.2
51	40.8	31.5	47.3
86	63.3	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 18.531 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

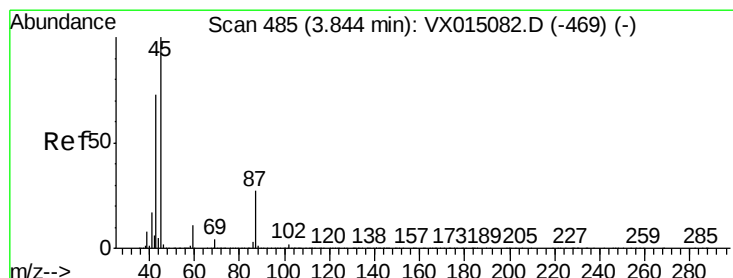
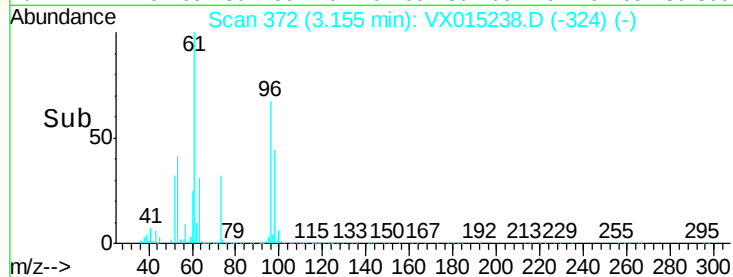
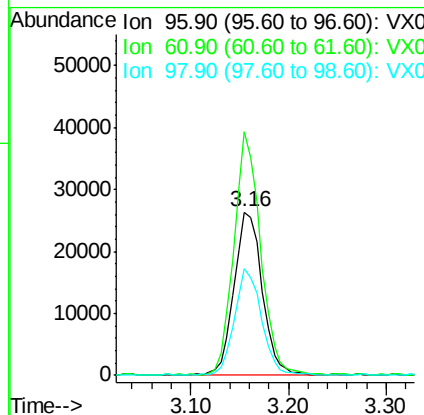
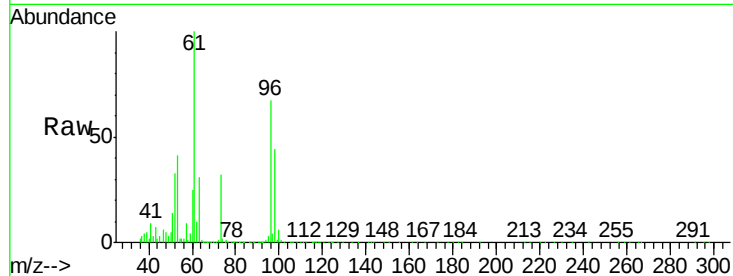
ClientSampleId :

VX0312WBSD01

Tot Ion:	96	Resp:	53113
Ion Ratio	Lower	Upper	
96	100		
61	148.4	109.9	164.9
98	64.7	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.514 ug/l

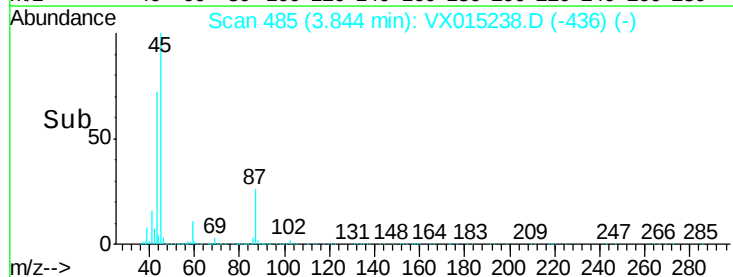
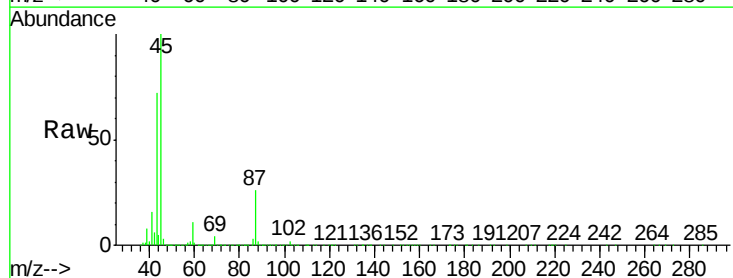
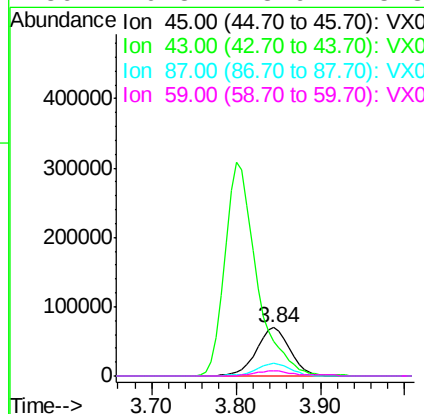
RT: 3.84 min Scan# 485

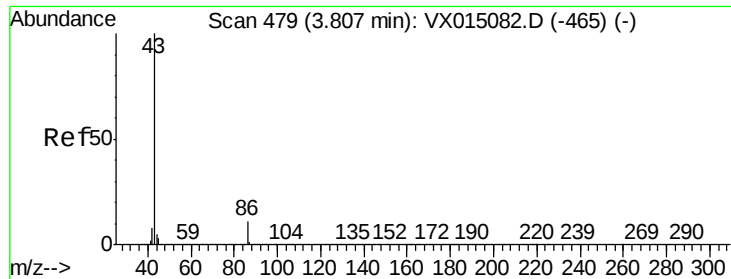
Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Tgt Ion:	45	Resp:	191299
Ion Ratio	Lower	Upper	
45	100		
43	71.6	58.2	87.2
87	26.4	21.2	31.8
59	10.8	8.9	13.3





#23

Vinyl Acetate

Concen: 103.554 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampled :

VX0312WBSD01

Tot Ion: 43 Resp: 793779

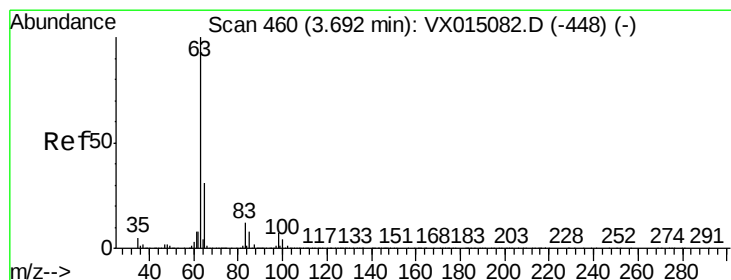
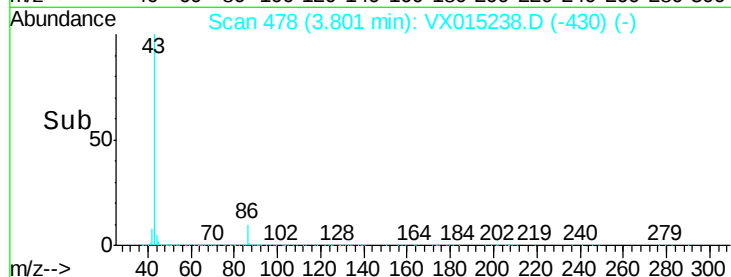
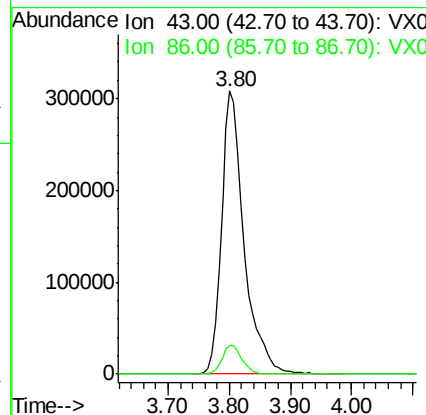
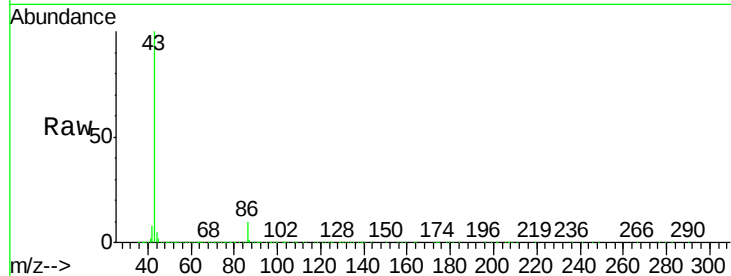
Ion Ratio Lower Upper

43 100

86 10.0 8.6 12.8

Manual Integrations
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3/16/2020 11:43:50 AM



#24

1,1-Dichloroethane

Concen: 19.287 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

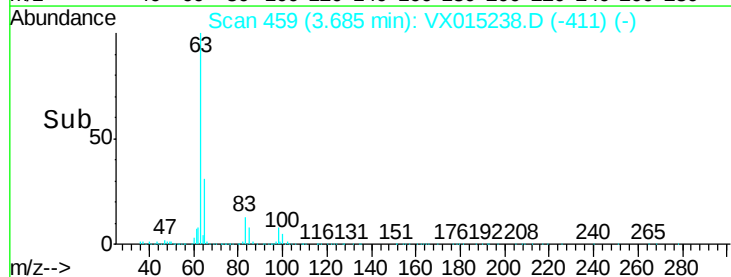
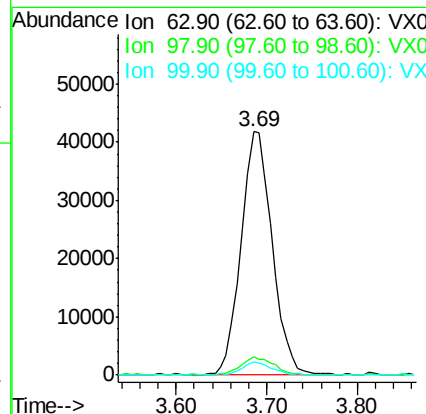
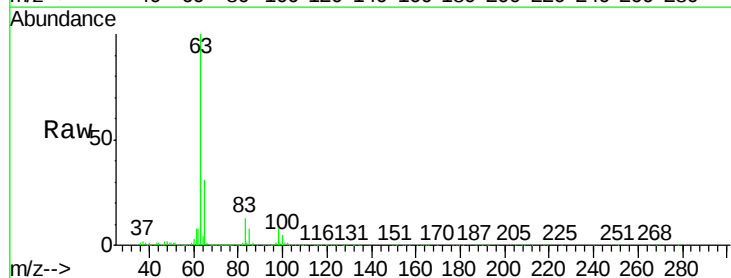
Tgt Ion: 63 Resp: 99822

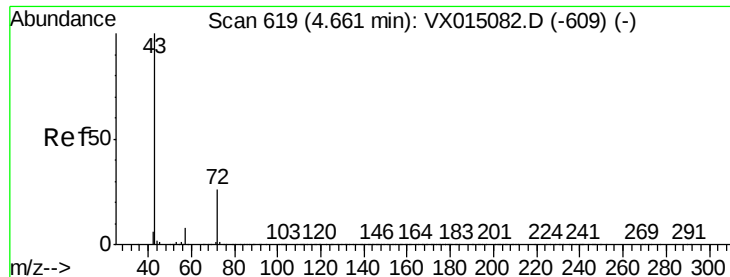
Ion Ratio Lower Upper

63 100

98 7.7 3.7 11.1

100 5.0 2.1 6.5





#25

2-Butanone

Concen: 105.075 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion: 43 Resp: 204157

Ion Ratio Lower Upper

43 100

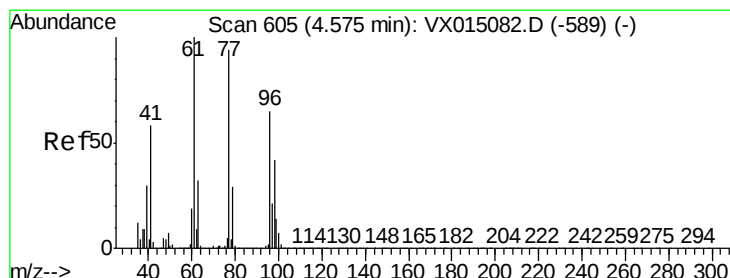
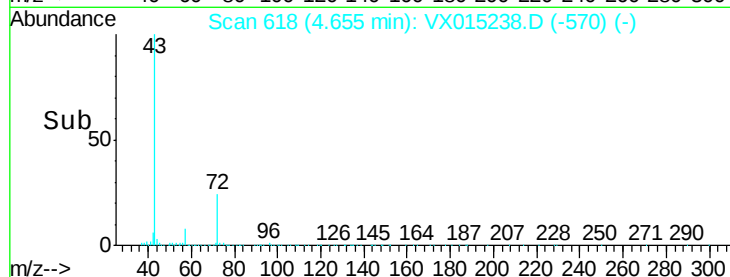
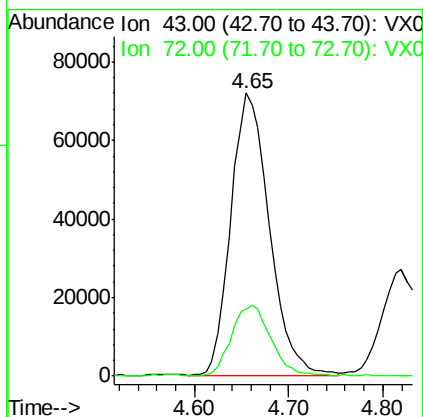
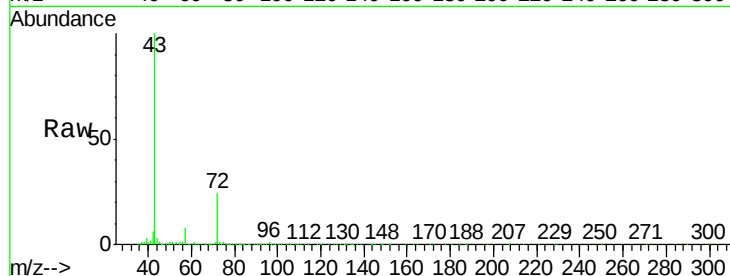
72 23.5 20.6 30.8

Manual Integrations

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MMDadoda

3/16/2020 11:43:50 AM



#26

2,2-Dichloropropane

Concen: 18.063 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX015238.D

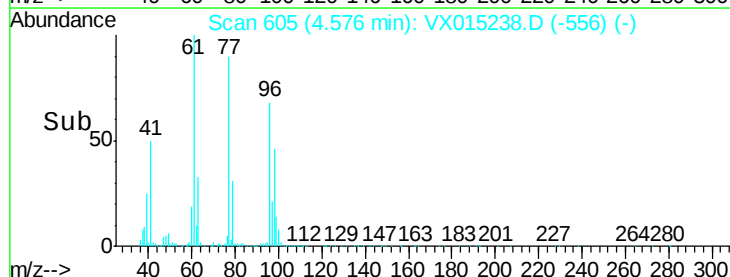
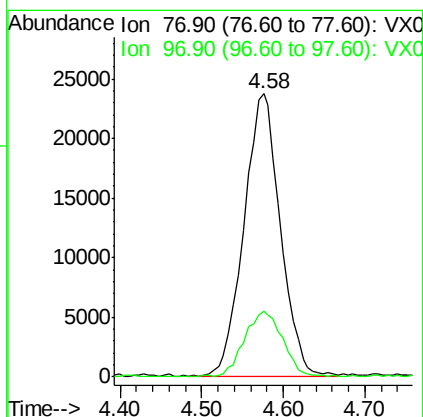
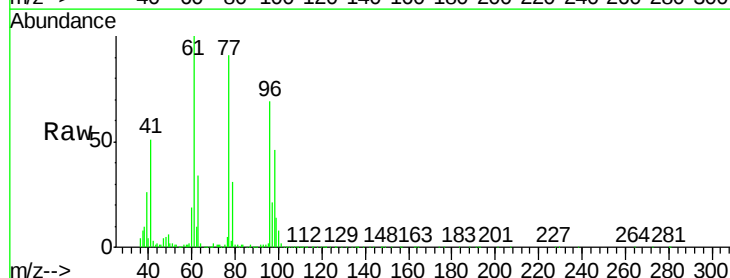
Acq: 12 Mar 2020 17:14

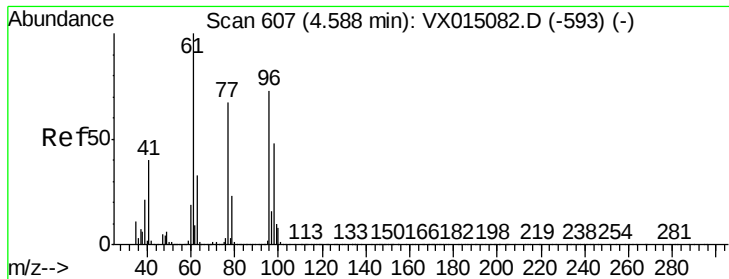
Tgt Ion: 77 Resp: 74214

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.4





#27

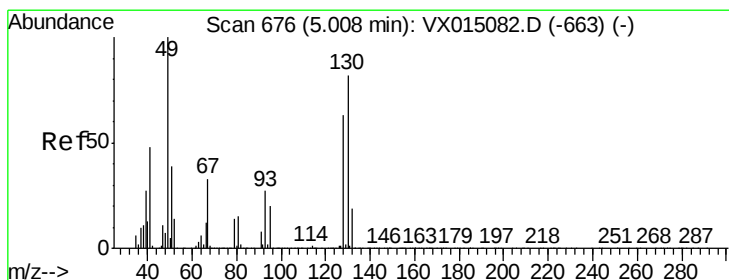
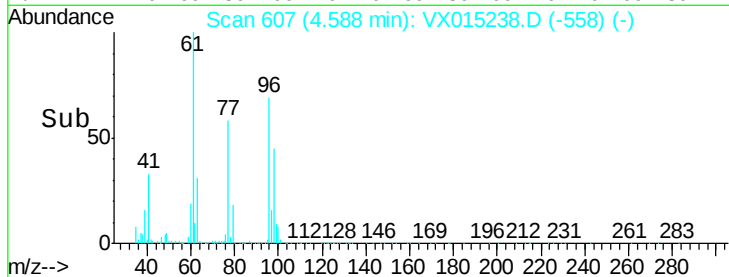
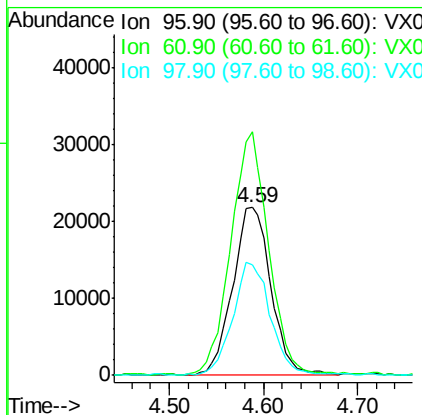
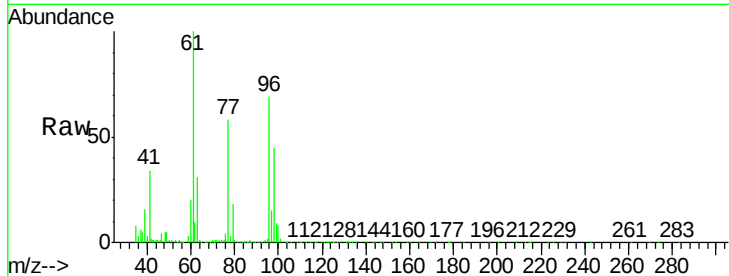
cis-1,2-Dichloroethene
Concen: 19.135 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	286.8
98	67.0	0.0	128.4

Manual Integrations
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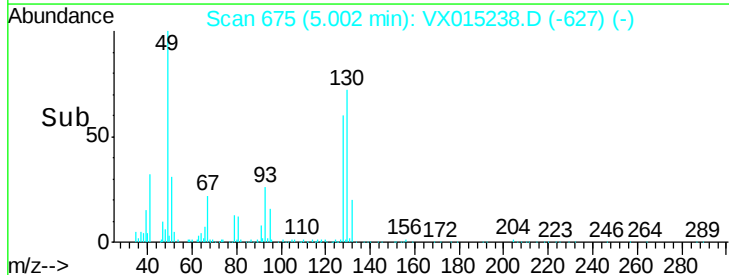
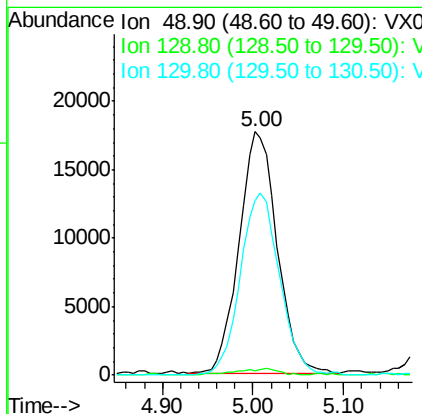
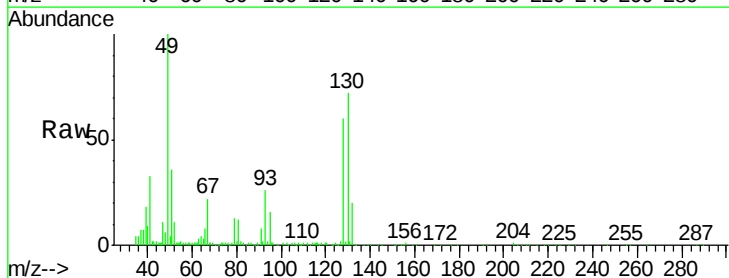
MMDadoda
3/16/2020 11:43:50 AM

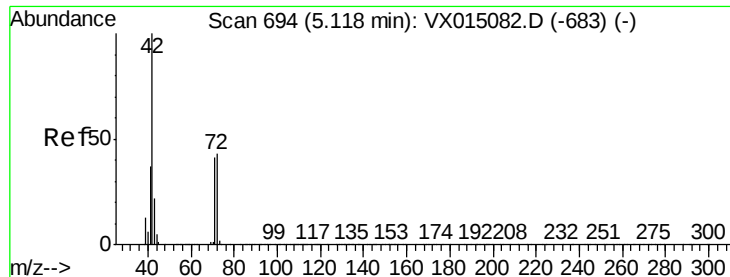


#28

Bromochloromethane
Concen: 21.796 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.4
130	77.5	65.0	97.6





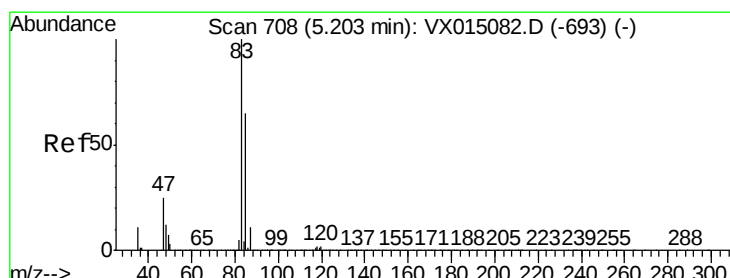
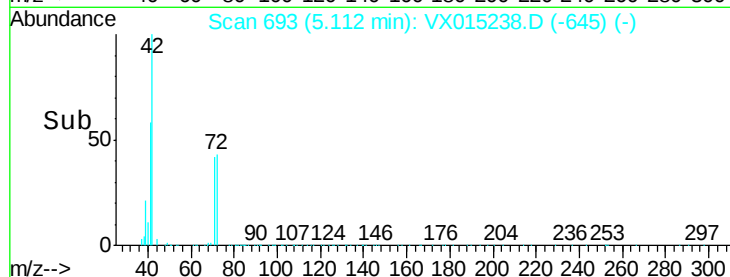
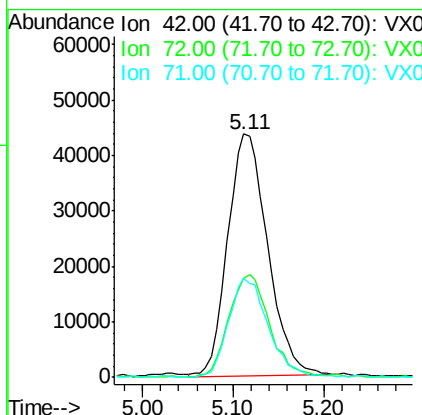
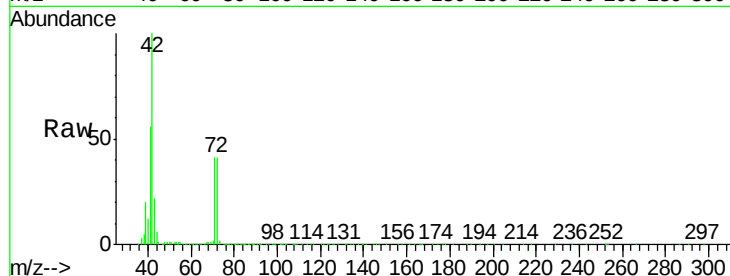
#29
Tetrahydrofuran
Concen: 106.859 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	36.4	54.6
71	40.7	33.3	49.9

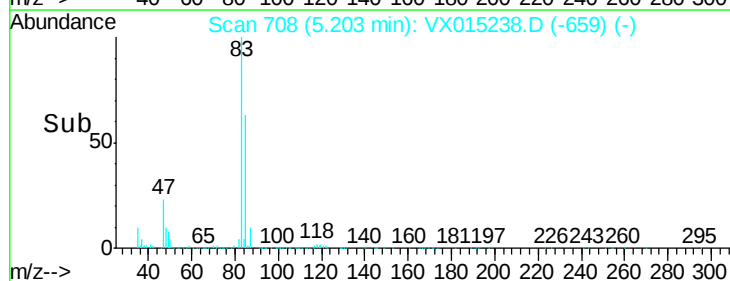
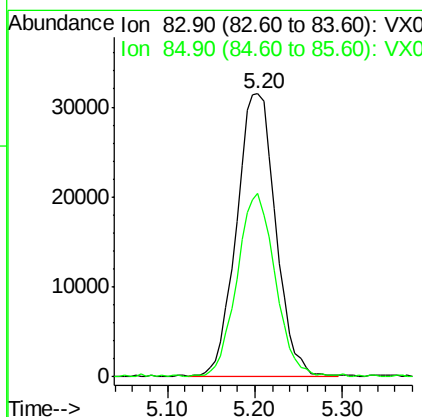
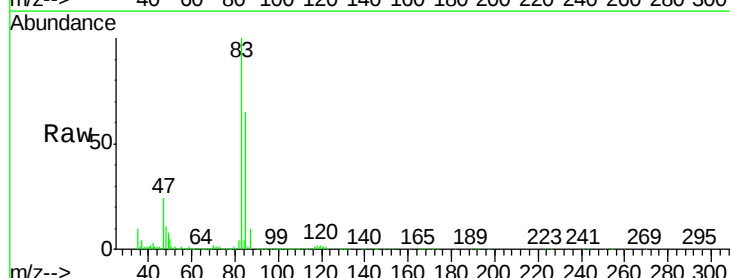
Manual Integrations
APPROVED

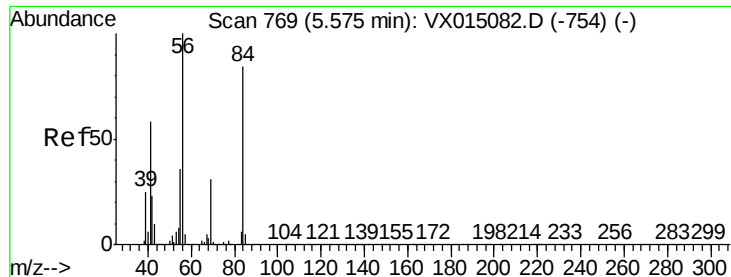
MMDadoda
3/16/2020 11:43:50 AM



#30
Chloroform
Concen: 19.230 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.0	78.0





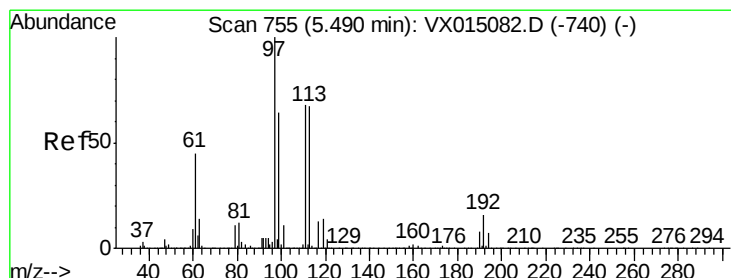
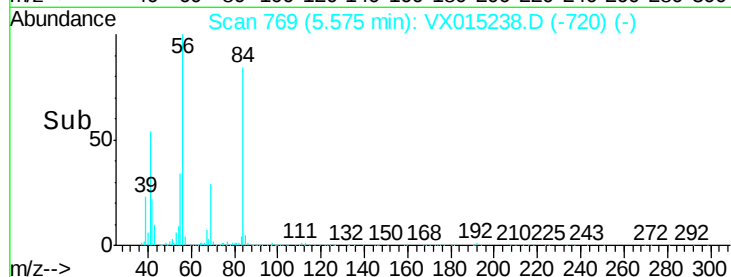
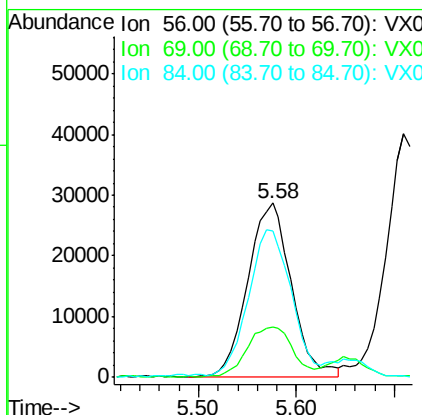
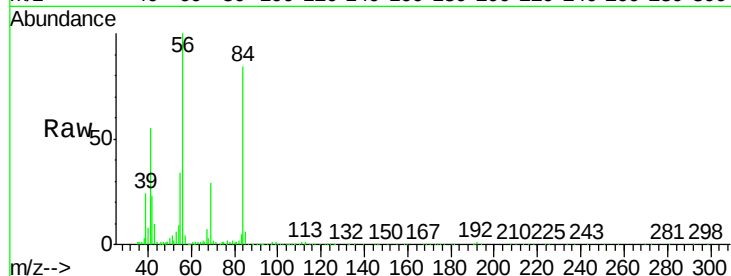
#31
Cyclohexane
Concen: 19.278 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.7	25.0	37.6
84	82.4	67.6	101.4

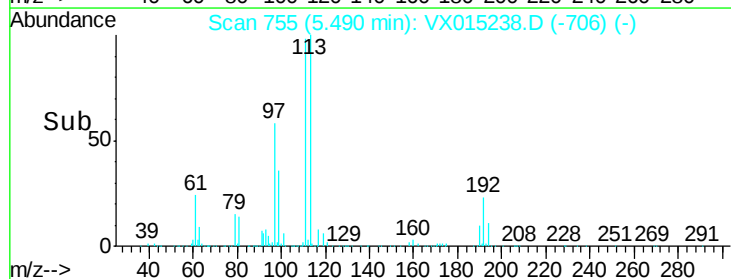
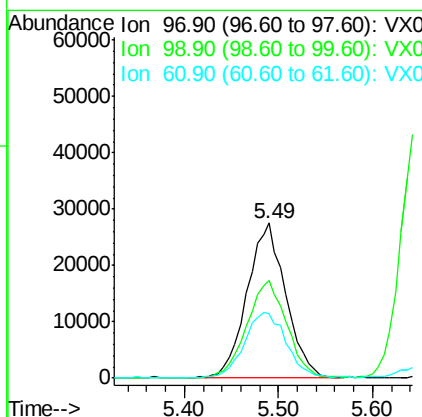
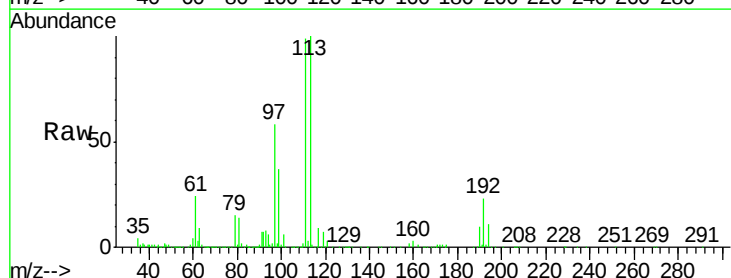
Manual Integrations
APPROVED

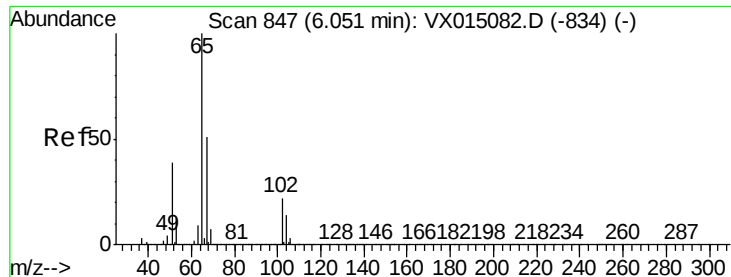
MMDadoda
3/16/2020 11:43:50 AM



#32
1,1,1-Trichloroethane
Concen: 18.978 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.8	79.2
61	46.2	36.6	54.8





#33

1,2-Dichloroethane-d4

Concen: 46.761 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion: 65 Resp: 153242

Ion Ratio Lower Upper

65 100

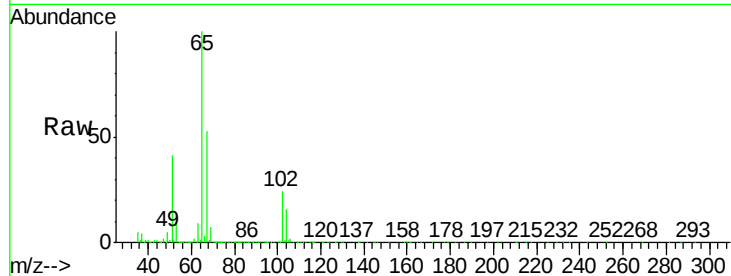
67 53.7 0.0 105.6

Manual Integrations

APPROVED

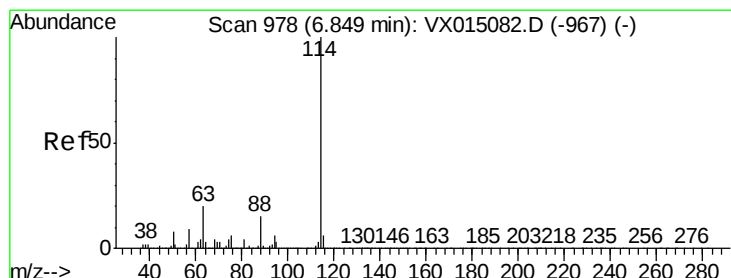
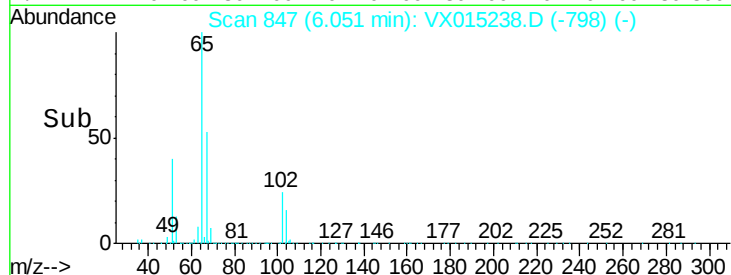
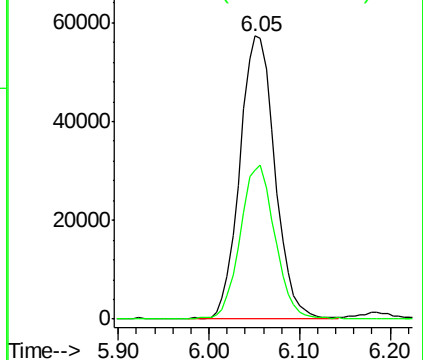
MMDadoda

3/16/2020 11:43:50 AM



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

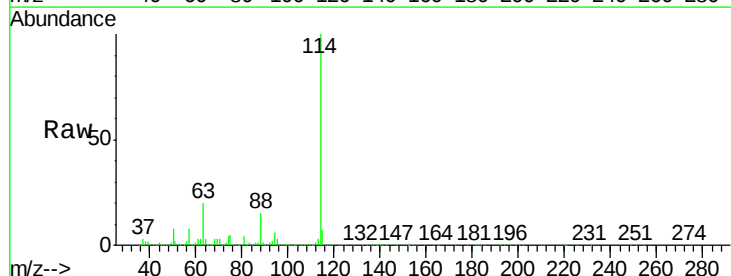
Tgt Ion: 114 Resp: 418240

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

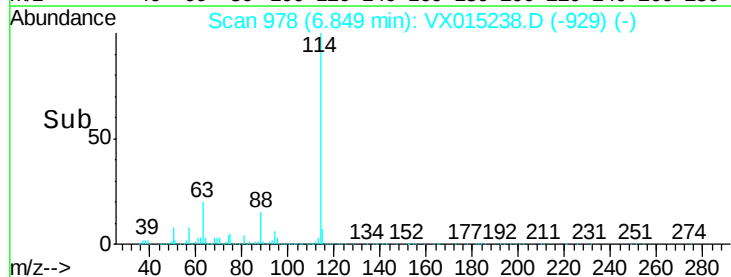
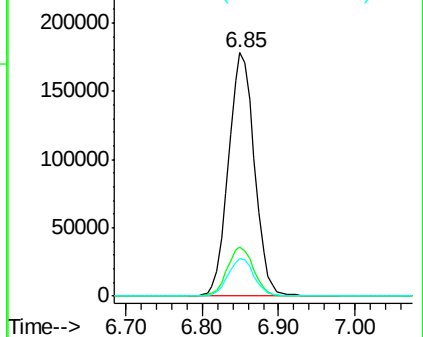
88 15.5 0.0 30.6

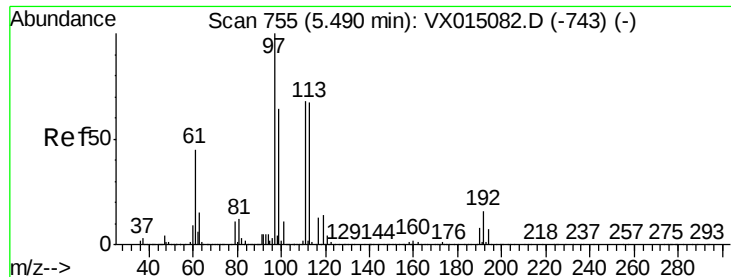


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





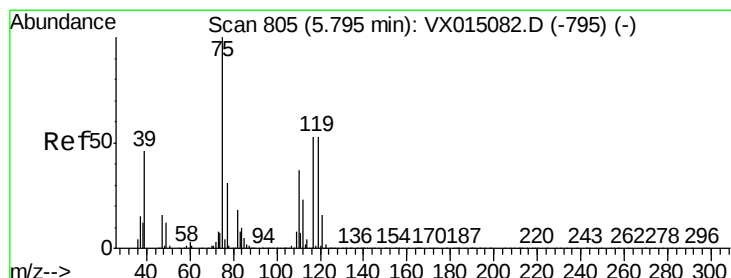
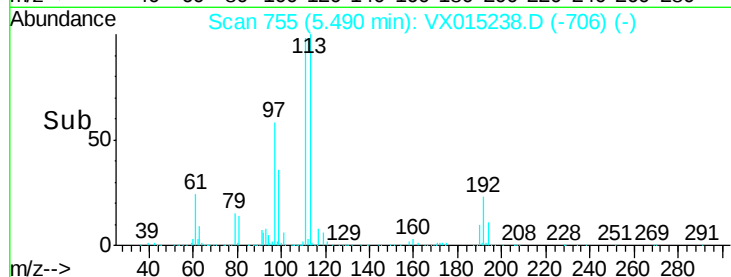
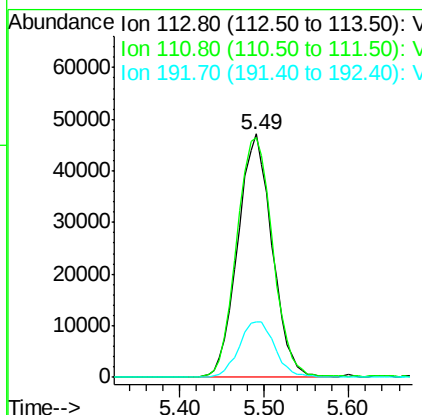
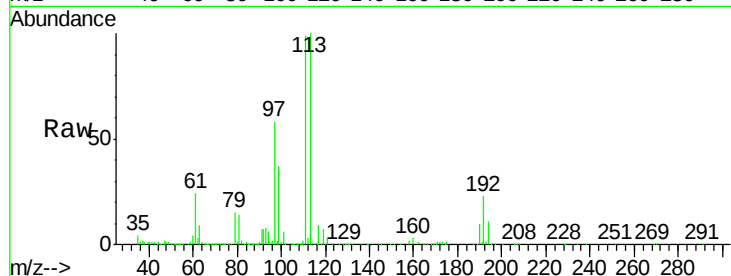
#35
Dibromofluoromethane
Concen: 49.445 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	123.8
192	24.0	18.6	28.0

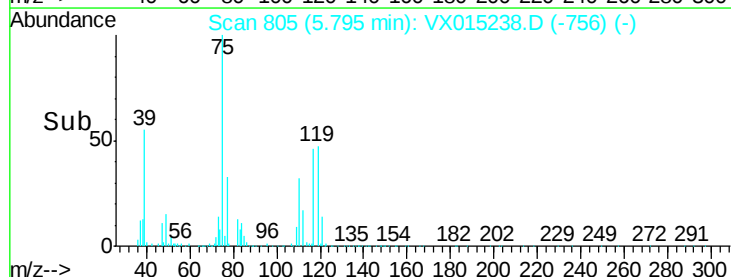
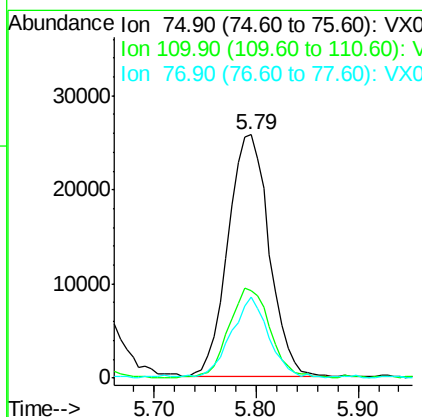
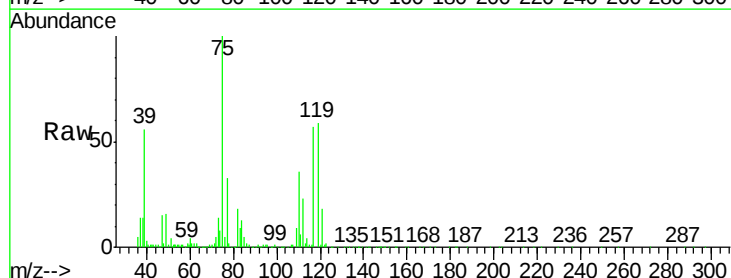
Manual Integrations
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#36
1,1-Dichloropropene
Concen: 18.616 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	17.9	53.8
77	30.1	24.8	37.2





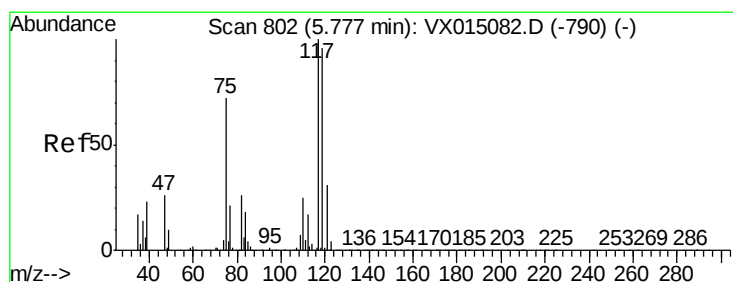
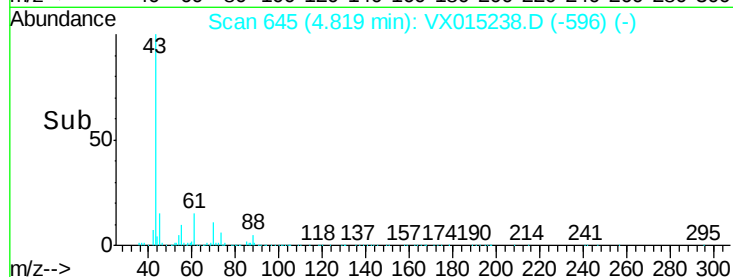
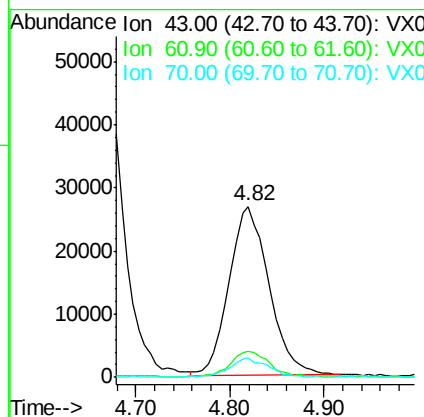
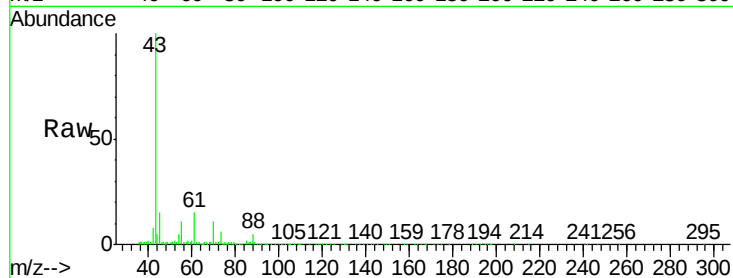
#37
Ethyl Acetate
Concen: 22.162 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	43	Resp	79487
Ion Ratio	Lower	Upper	
43	100		
61	14.8	11.0	16.4
70	10.4	8.1	12.1

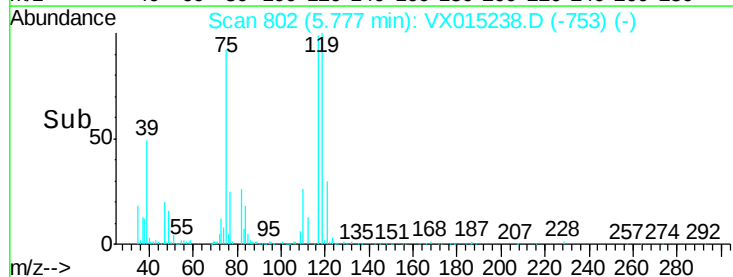
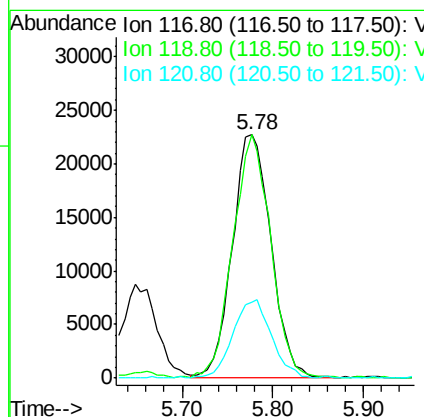
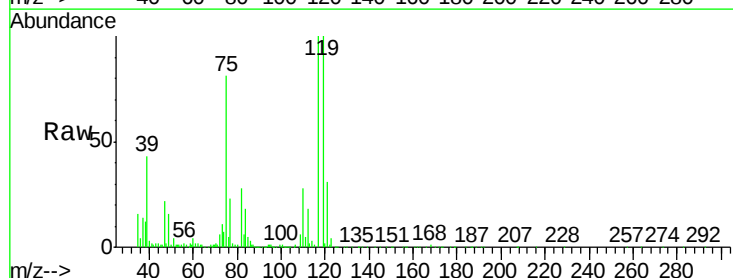
Manual Integrations
APPROVED

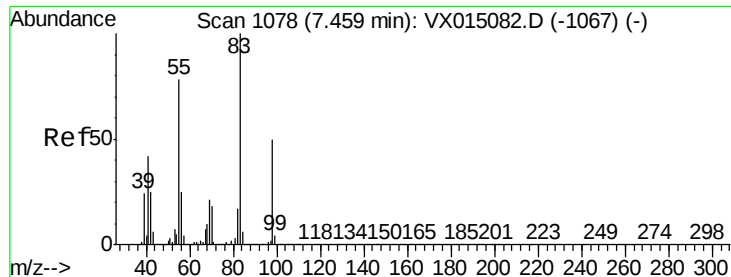
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#38
Carbon Tetrachloride
Concen: 18.467 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	117	Resp	67399
Ion Ratio	Lower	Upper	
117	100		
119	99.8	76.9	115.3
121	30.9	24.6	37.0





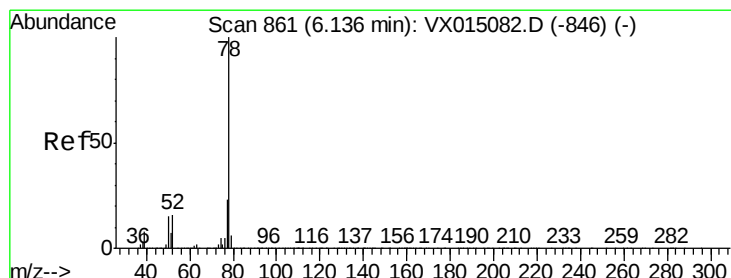
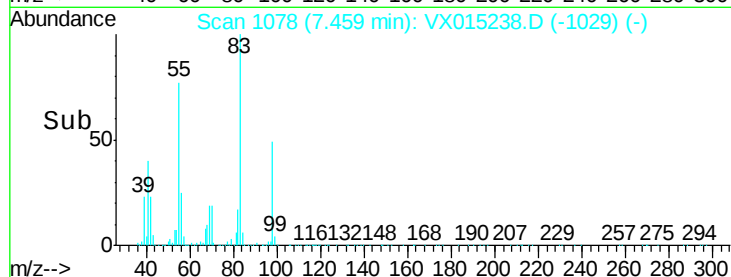
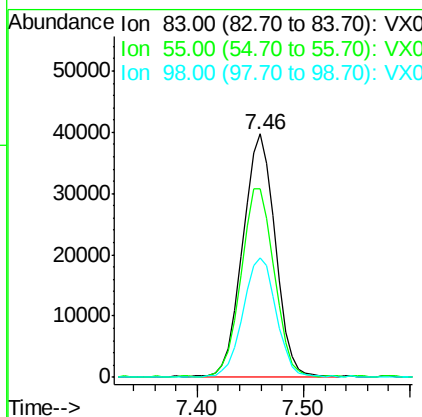
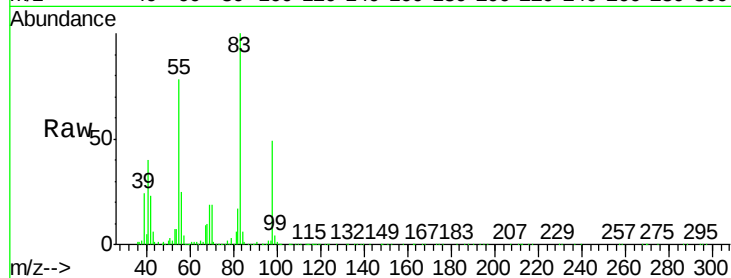
#39
Methvlcvclohexane
Concen: 18.933 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	62.4	93.6
98	48.8	39.7	59.5

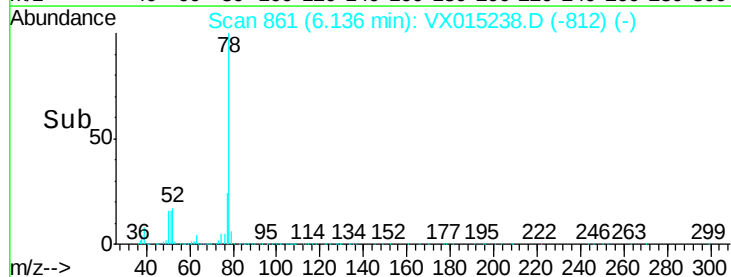
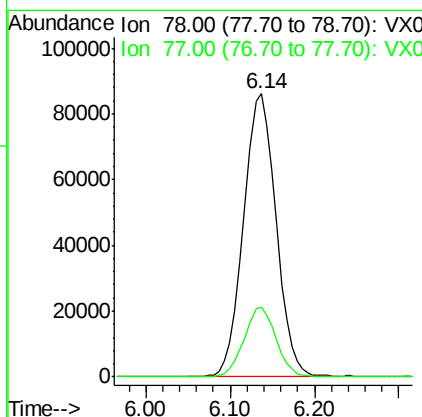
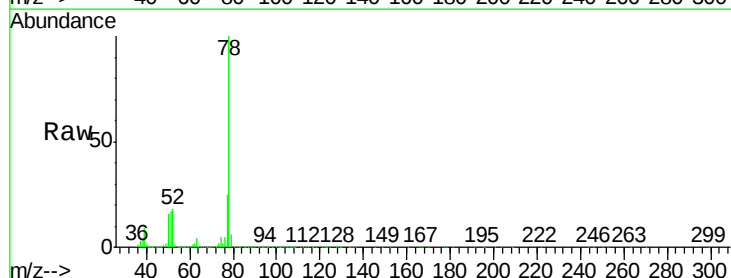
Manual Integrations
APPROVED

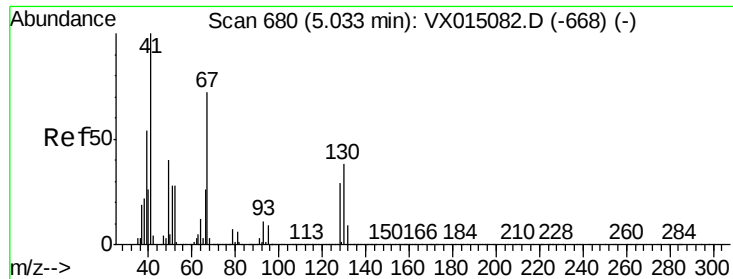
MMDadoda
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#40
Benzene
Concen: 19.596 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.6	28.0





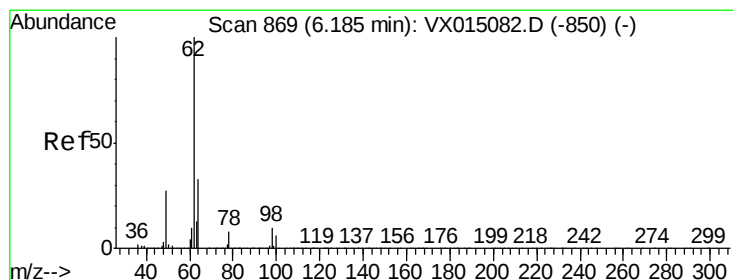
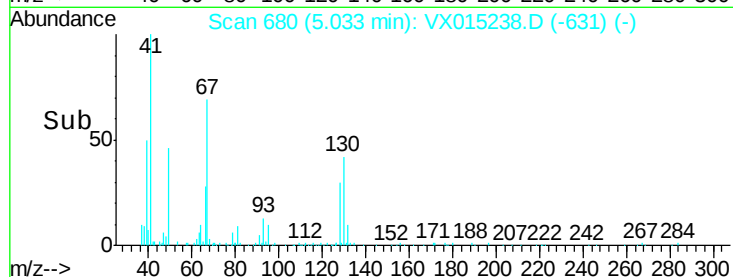
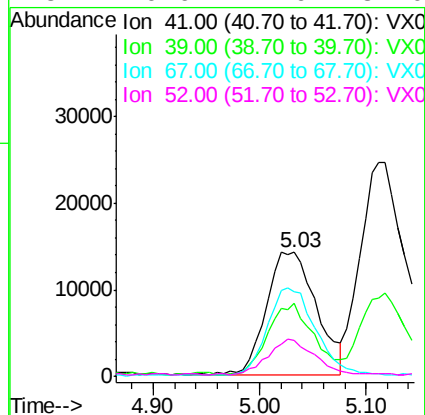
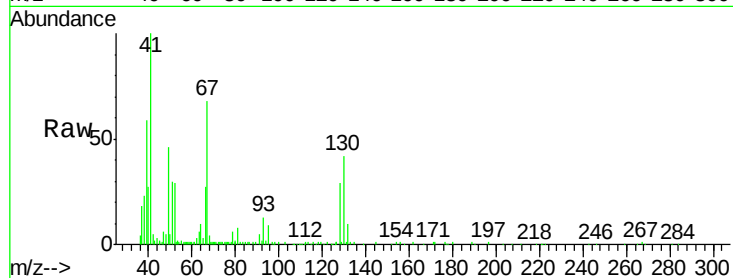
#41
Methacrylonitrile
Concen: 21.546 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.6	43.9	65.9	
67	68.4	57.8	86.8	
52	26.6	22.6	34.0	

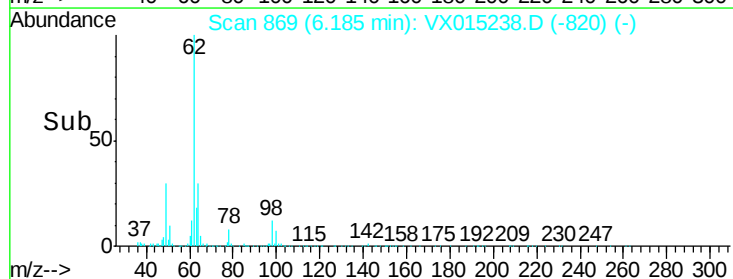
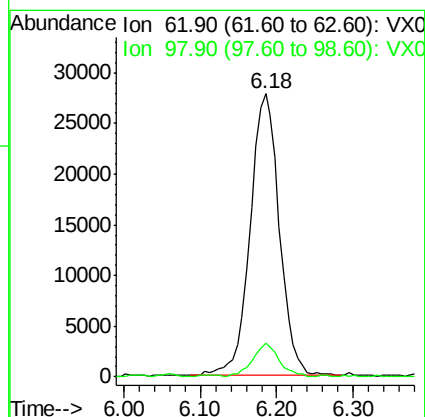
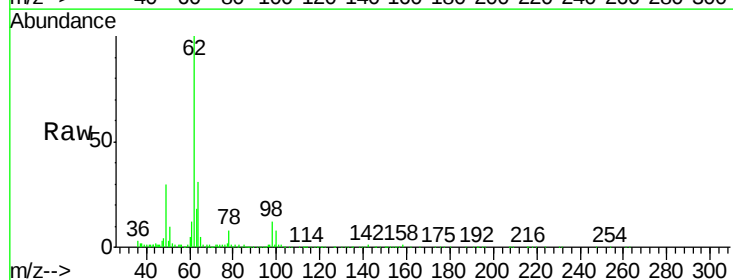
Manual Integrations
APPROVED

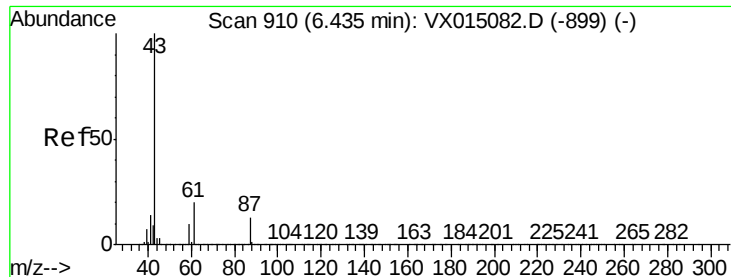
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.742 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.9	0.0	20.6	





#43

Isopropyl Acetate

Concen: 20.601 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

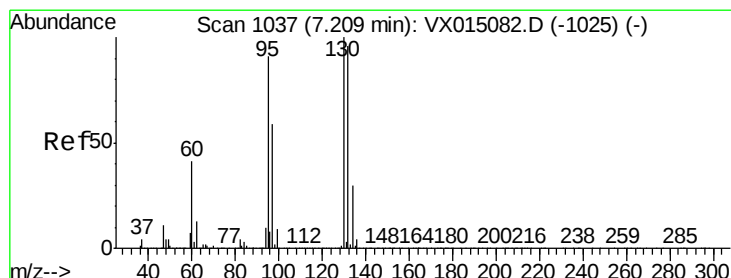
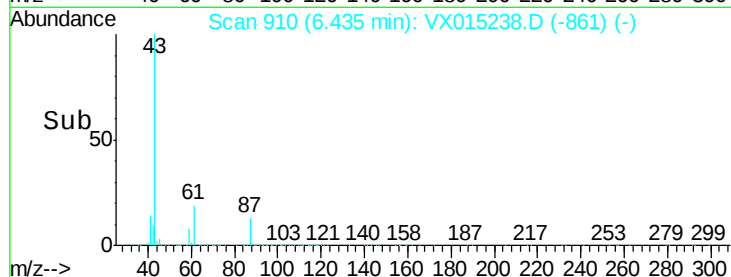
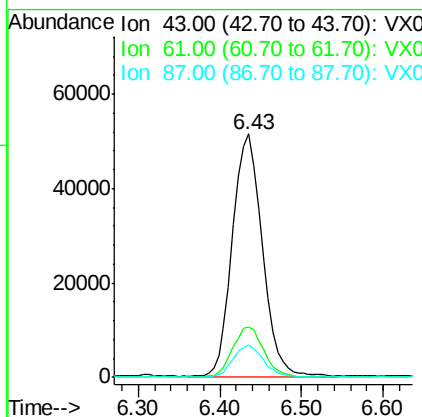
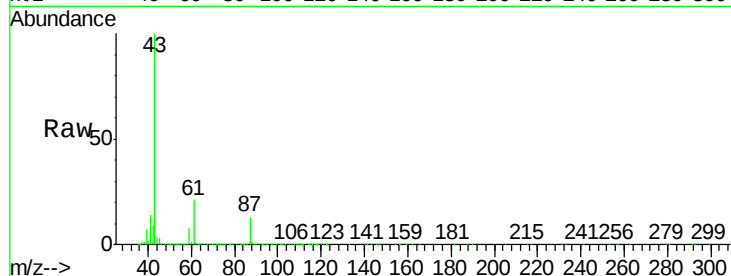
ClientSampleId :

VX0312WBSD01

Tot Ion:	43	Resp:	129980
Ion Ratio		Lower	Upper
43	100		
61	21.3	16.1	24.1
87	13.1	10.6	16.0

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3/16/2020 11:43:50 AM



#44

Trichloroethene

Concen: 19.275 ug/l

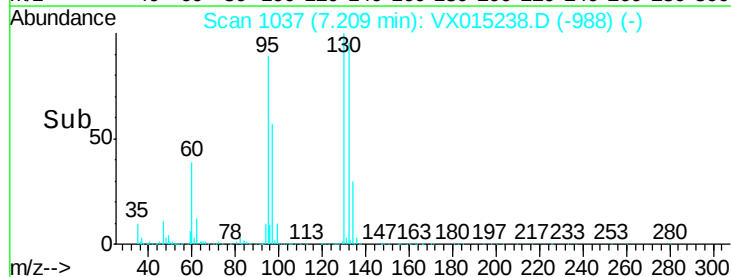
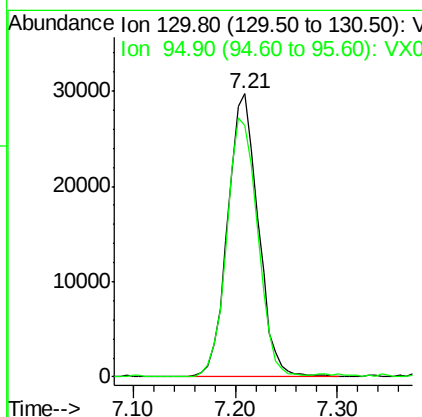
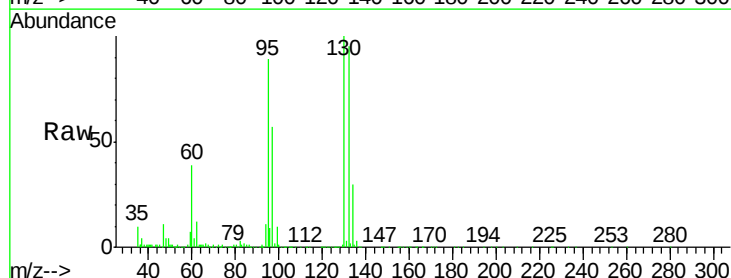
RT: 7.21 min Scan# 1037

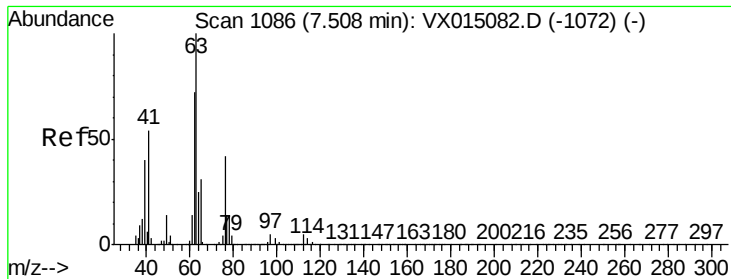
Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Tgt Ion:	130	Resp:	61577
Ion Ratio		Lower	Upper
130	100		
95	88.6	0.0	181.2





#45

1,2-Dichloropropane

Concen: 20.567 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion: 63 Resp: 61068

Ion Ratio Lower Upper

63 100

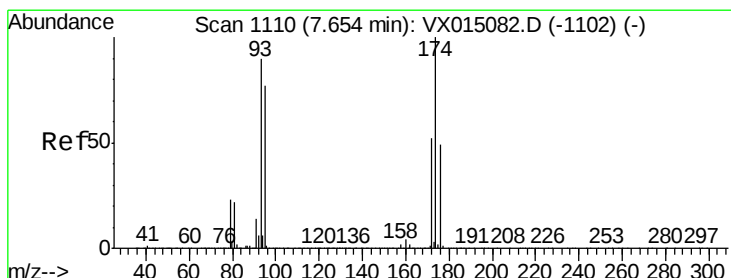
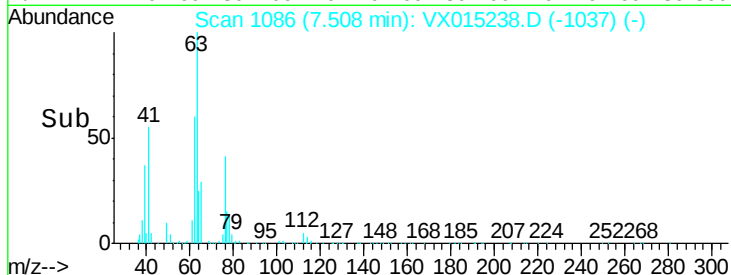
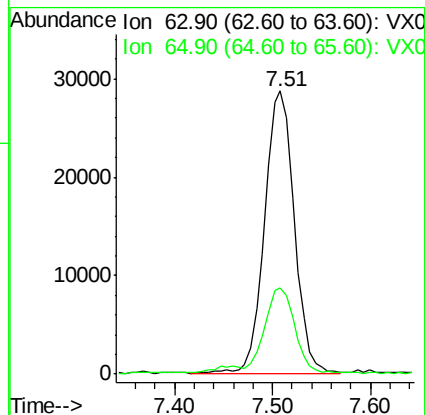
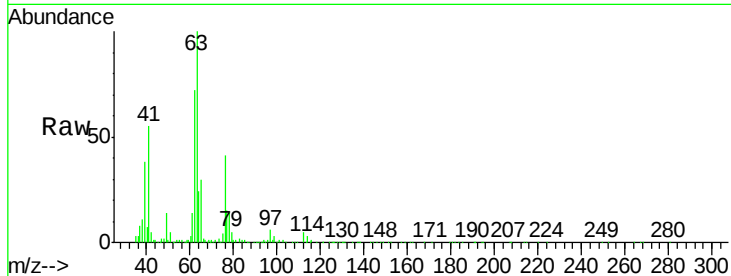
65 29.8 24.6 36.8

Manual Integrations

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MMDadoda

3/16/2020 11:43:50 AM



#46

Dibromomethane

Concen: 18.829 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

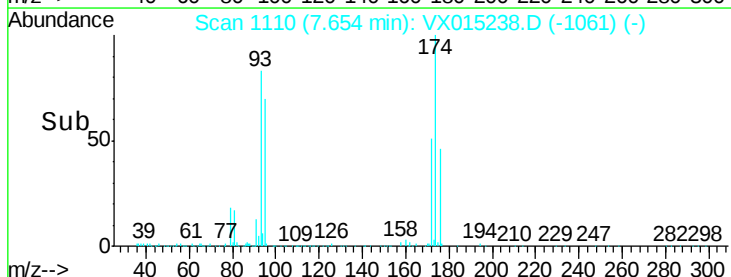
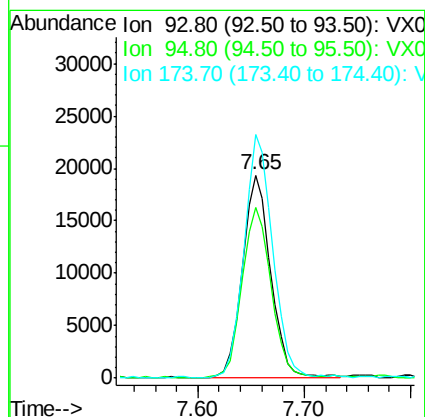
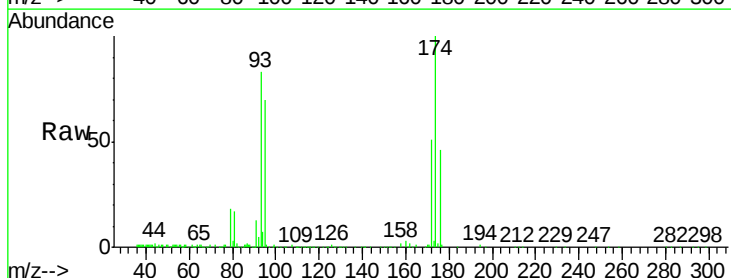
Tgt Ion: 93 Resp: 36429

Ion Ratio Lower Upper

93 100

95 86.3 67.8 101.8

174 121.4 91.0 136.4





#47

Bromodichloromethane

Concen: 19.046 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

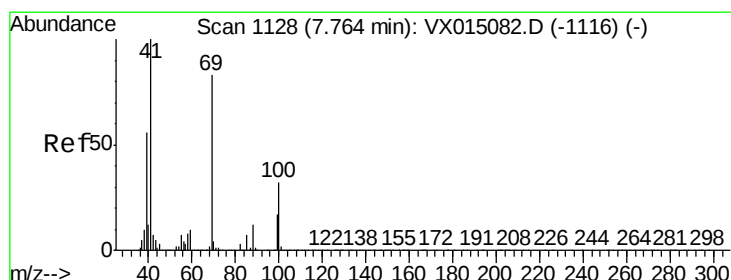
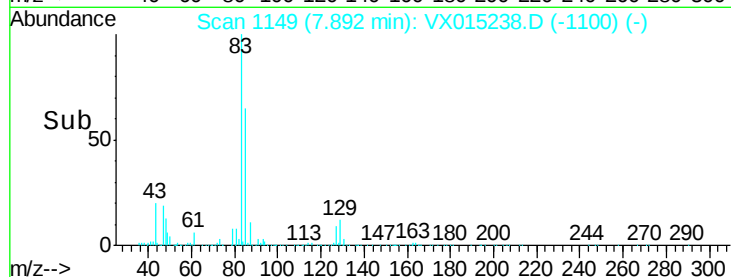
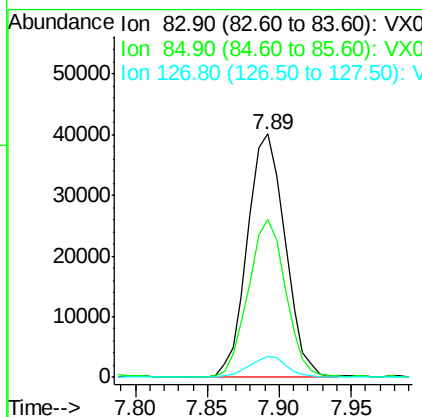
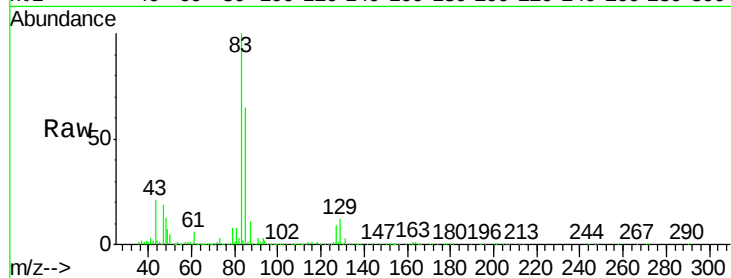
ClientSampleId :

VX0312WBSD01

Tot Ion:	83	Resp:	72868
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.6	75.8
127	8.5	7.1	10.7

Manual Integrations
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MMDadoda
3/16/2020 11:43:50 AM



#48

Methyl methacrylate

Concen: 20.092 ug/l

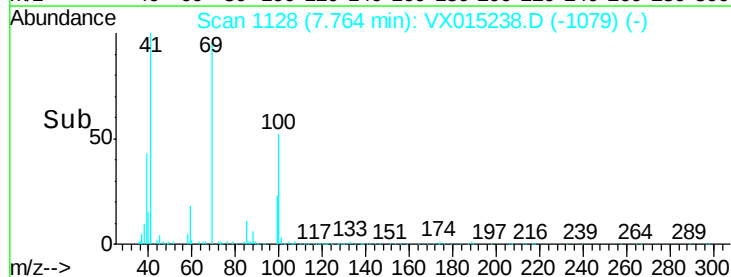
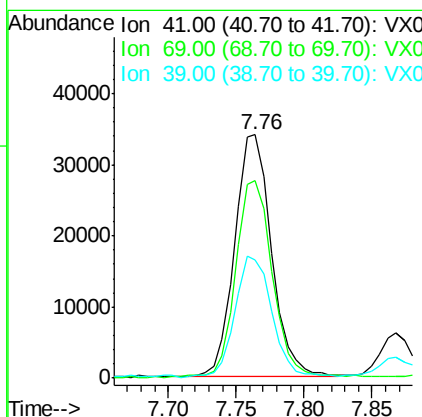
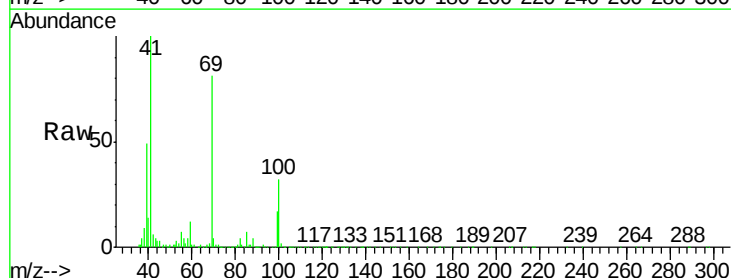
RT: 7.76 min Scan# 1128

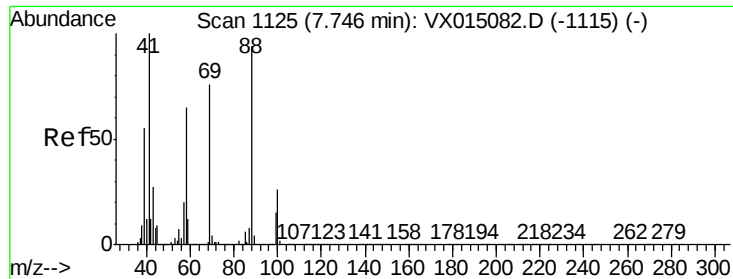
Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Tgt Ion:	41	Resp:	64520
Ion Ratio	Lower	Upper	
41	100		
69	81.5	65.4	98.2
39	51.6	44.6	67.0





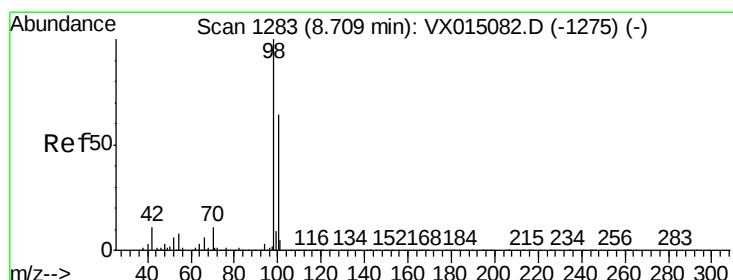
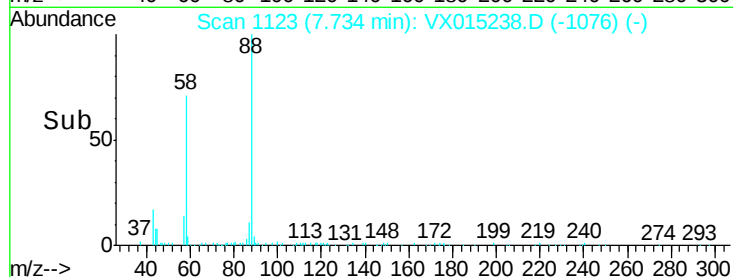
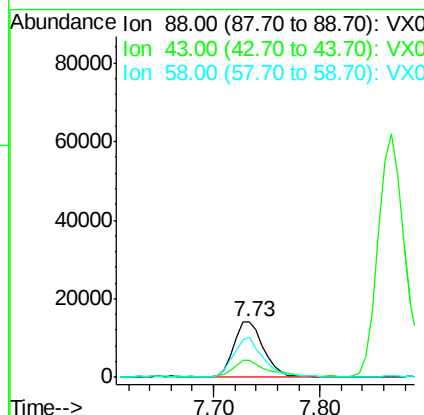
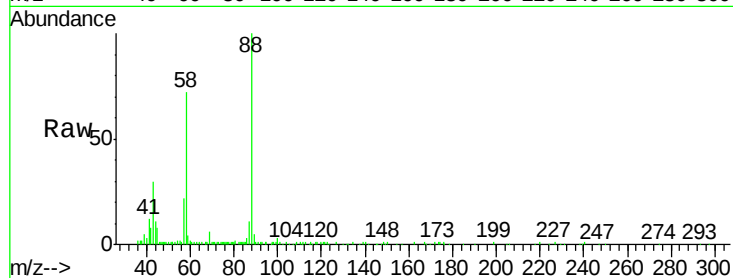
#49
1,4-Dioxane
Concen: 405.581 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	27.0	40.4
58	70.9	55.6	83.4

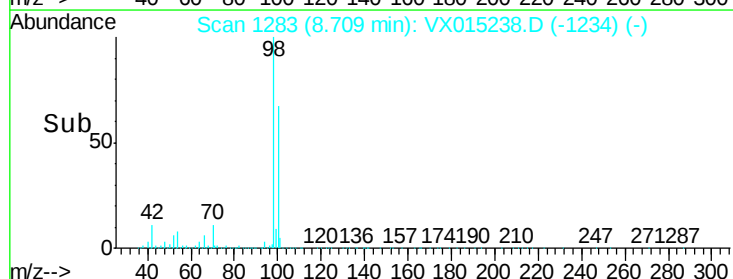
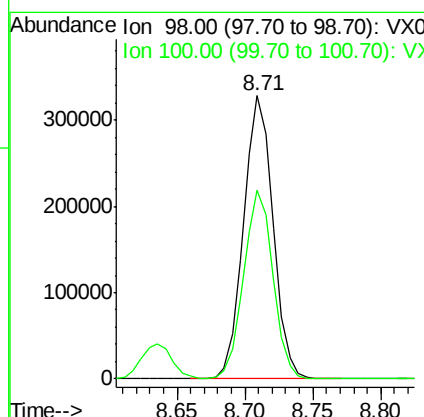
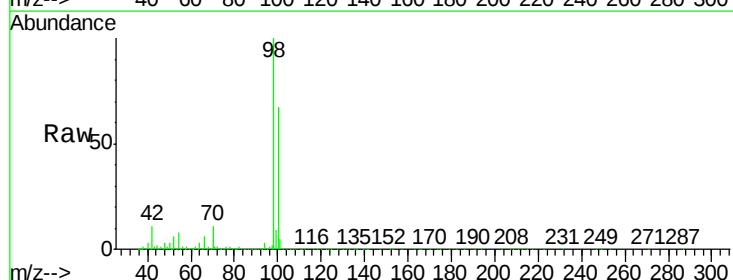
Manual Integrations
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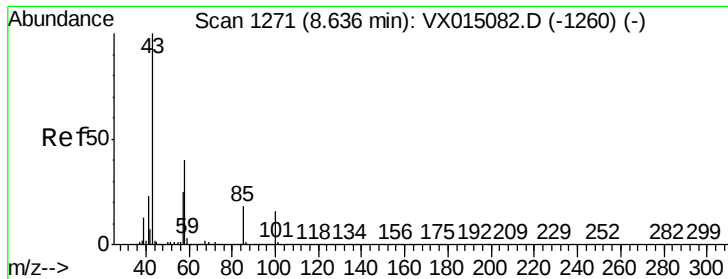
MMDadoda
3/16/2020 11:43:50 AM



#50
Toluene-d8
Concen: 49.476 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 109.780 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion: 43 Resp: 409532

Ion Ratio Lower Upper

43 100

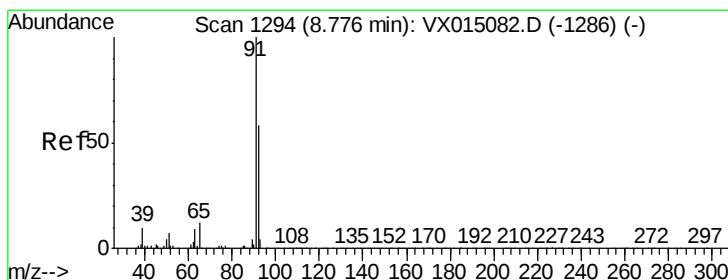
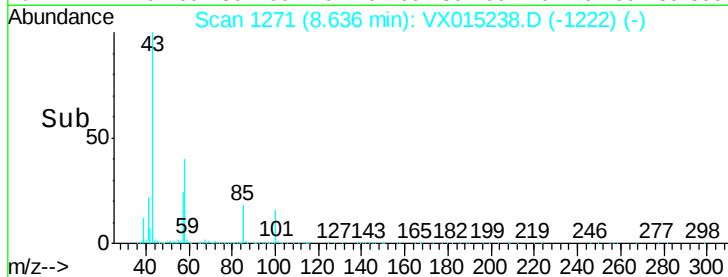
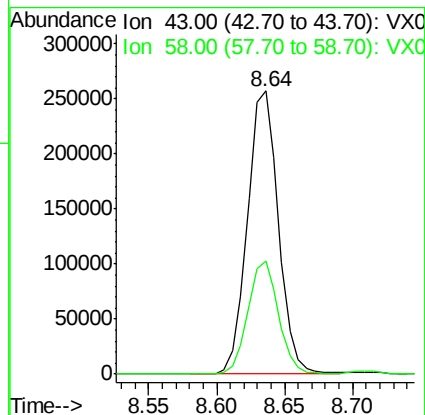
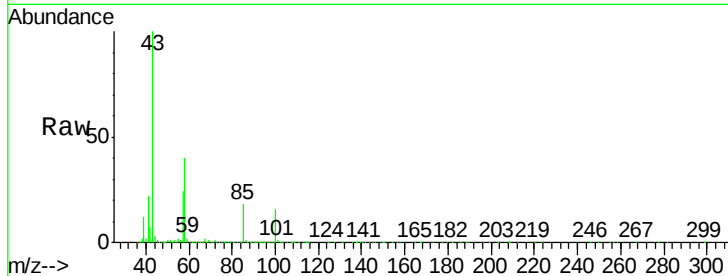
58 39.5 31.6 47.4

Manual Integrations

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3/16/2020 11:43:50 AM



#52

Toluene

Concen: 19.998 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX015238.D

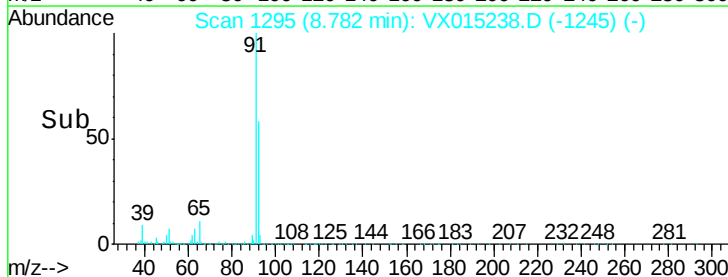
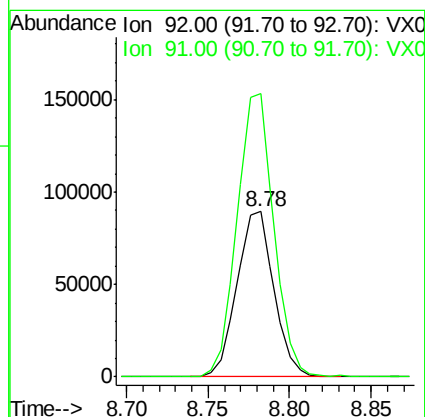
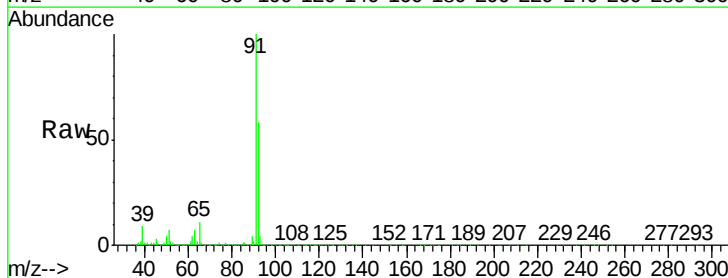
Acq: 12 Mar 2020 17:14

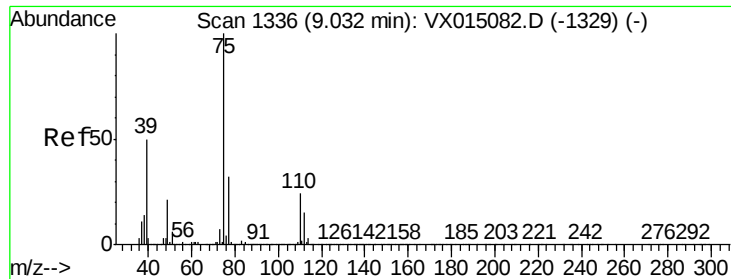
Tgt Ion: 92 Resp: 140266

Ion Ratio Lower Upper

92 100

91 171.8 136.9 205.3





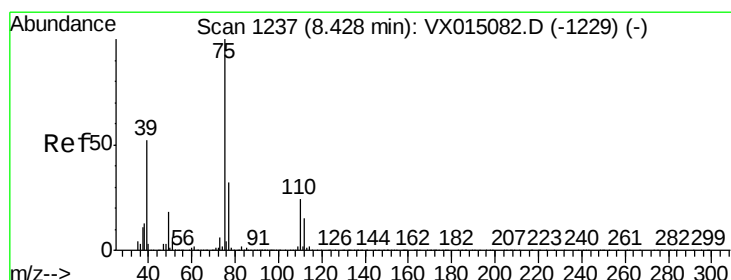
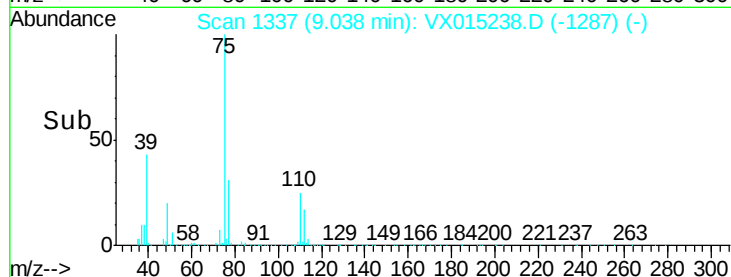
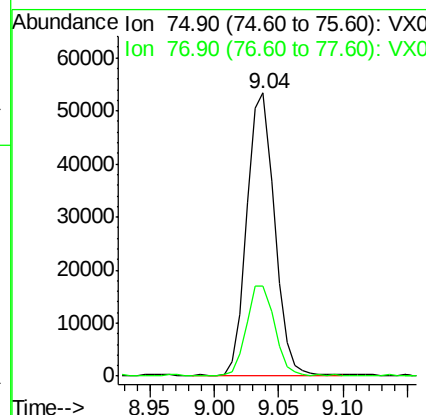
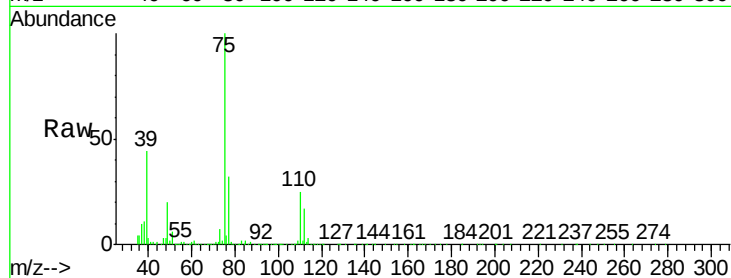
#53
t-1,3-Dichloropropene
Concen: 19.315 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0

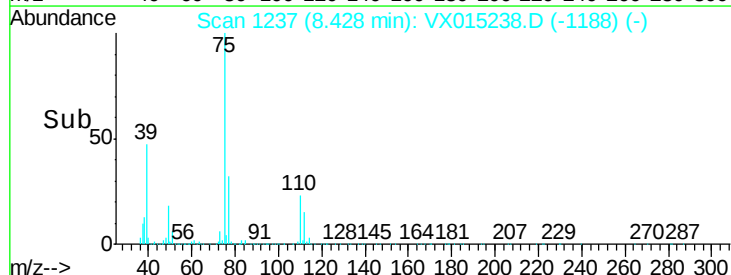
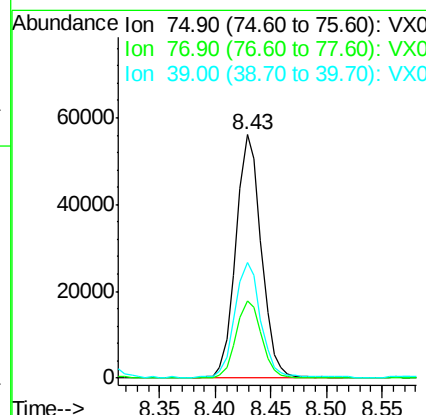
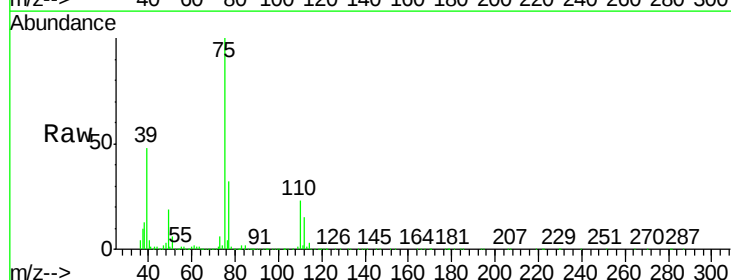
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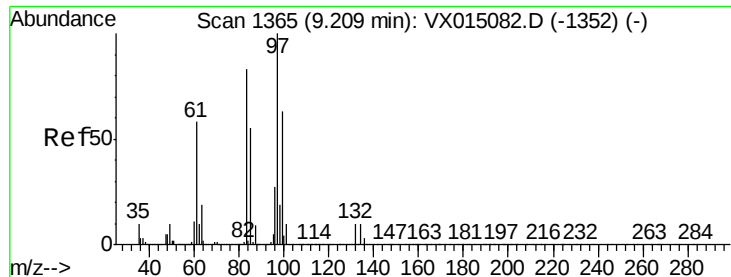
MMDadoda
3/16/2020 11:43:50 AM



#54
cis-1,3-Dichloropropene
Concen: 19.286 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6
39	47.5	41.3	61.9





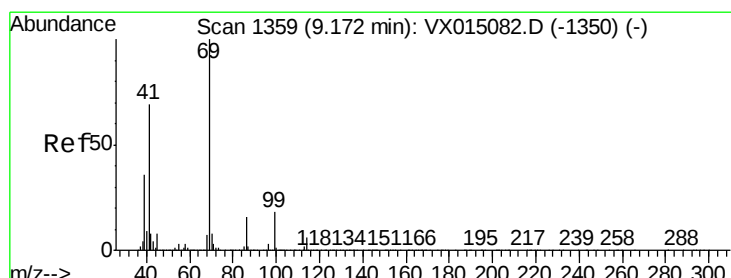
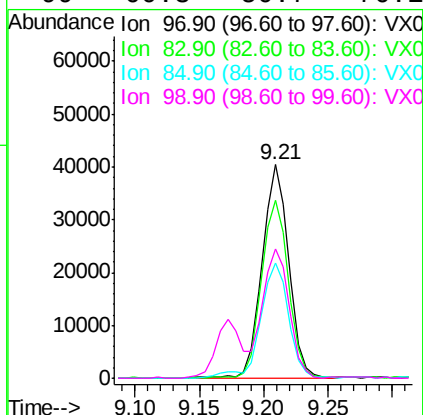
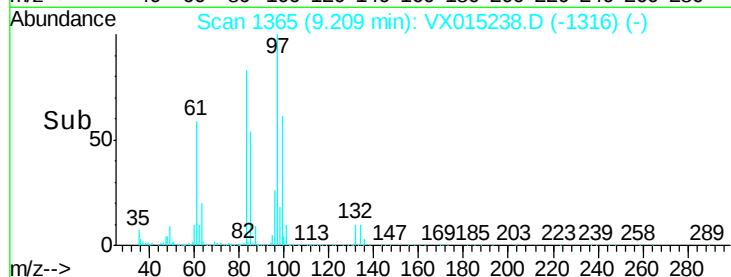
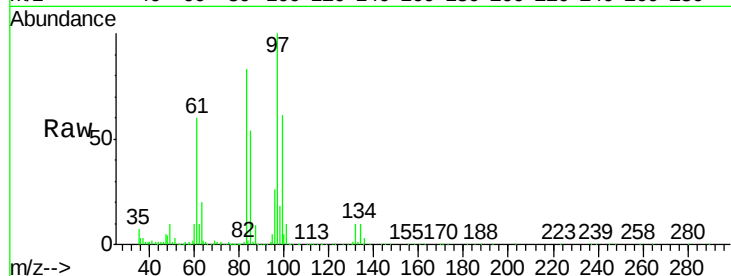
#55
1,1,2-Trichloroethane
Concen: 20.062 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.4	99.6
85	53.9	43.5	65.3
99	60.3	50.7	76.1

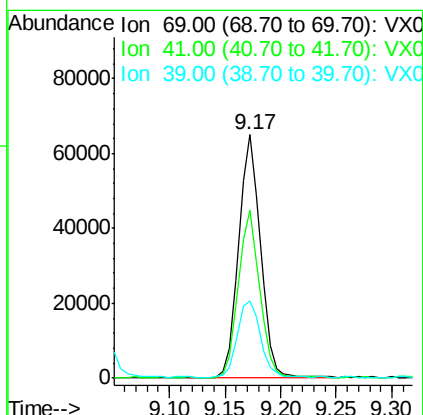
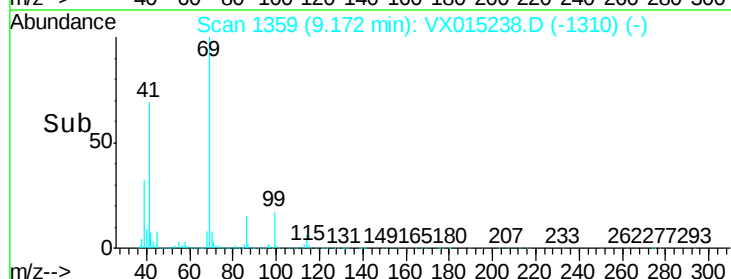
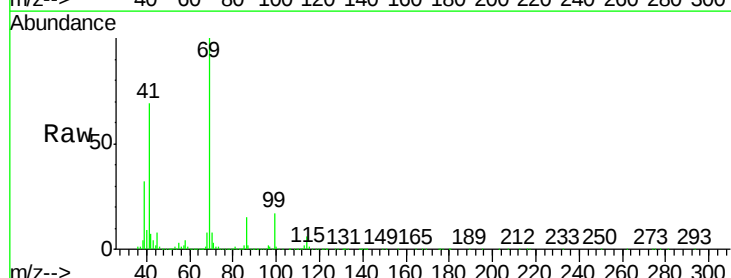
Manual Integrations
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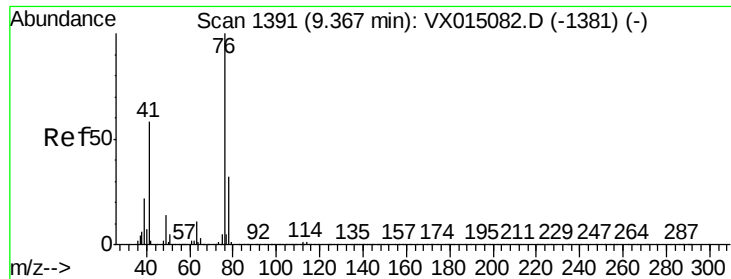
MMDadoda
3/16/2020 11:43:50 AM



#56
Ethyl methacrylate
Concen: 21.455 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.6	55.8	83.8
39	34.8	29.4	44.2





#57

1,3-Dichloropropane

Concen: 20.210 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion: 76 Resp: 98159

Ion Ratio Lower Upper

76 100

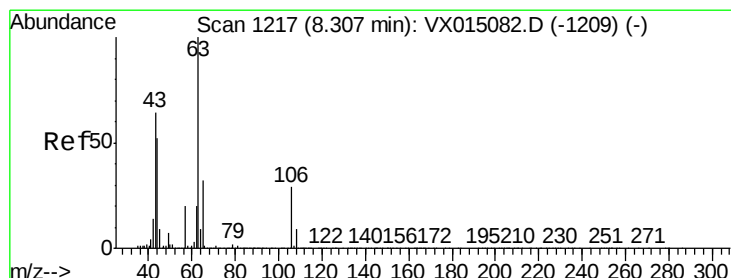
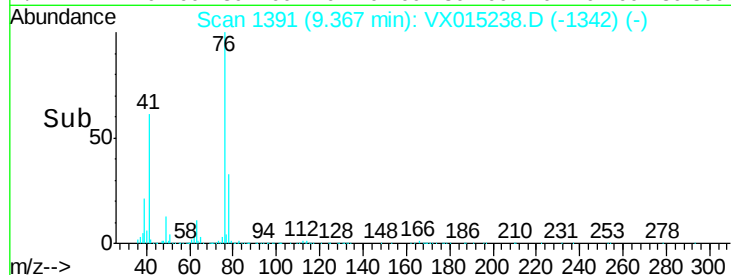
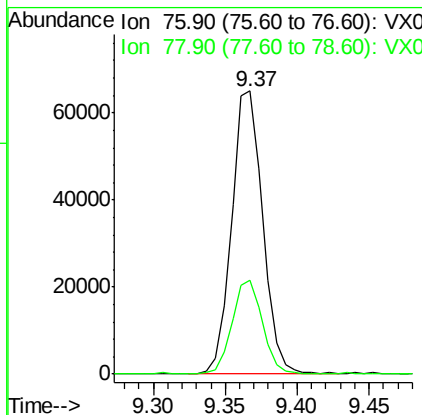
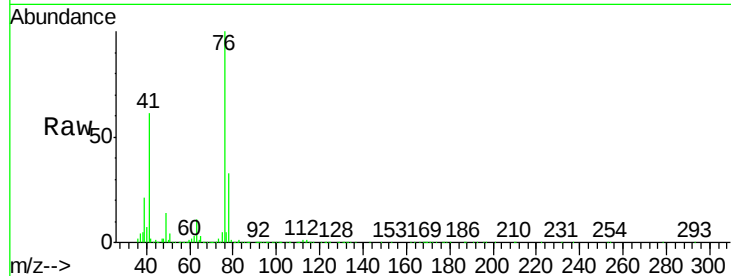
78 32.3 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

3/16/2020 11:43:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 100.814 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX015238.D

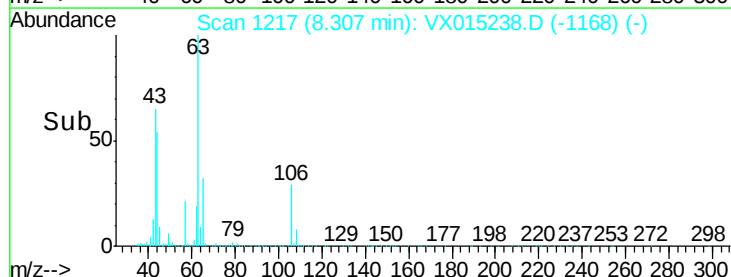
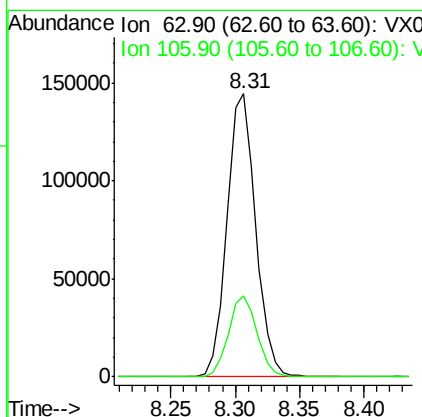
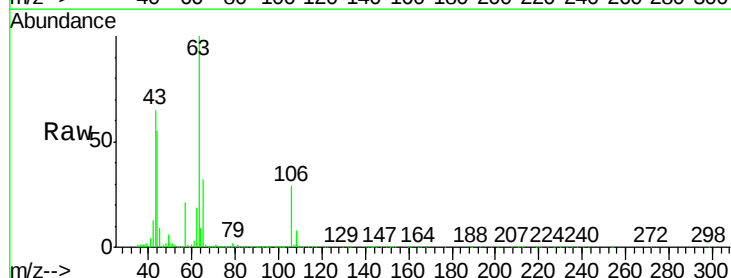
Acq: 12 Mar 2020 17:14

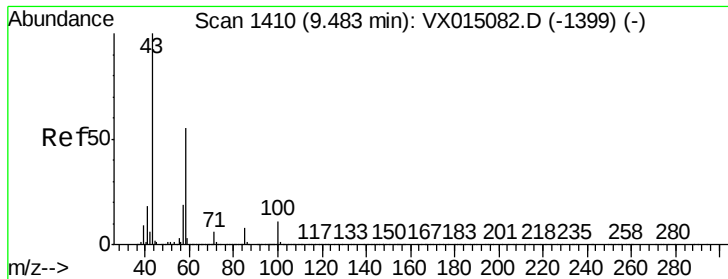
Tgt Ion: 63 Resp: 226154

Ion Ratio Lower Upper

63 100

106 28.6 22.8 34.2





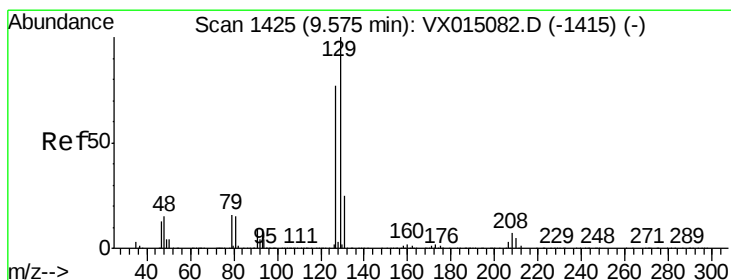
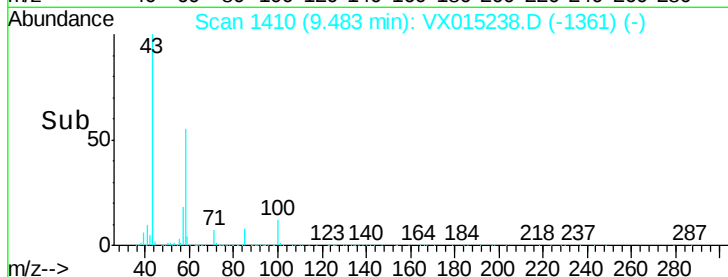
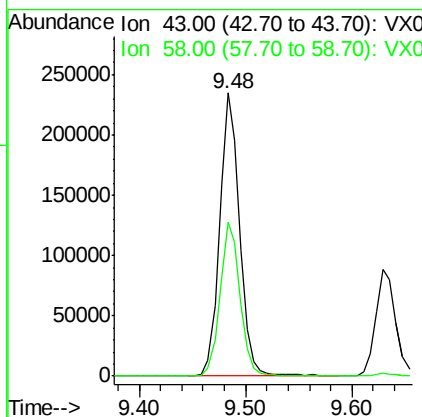
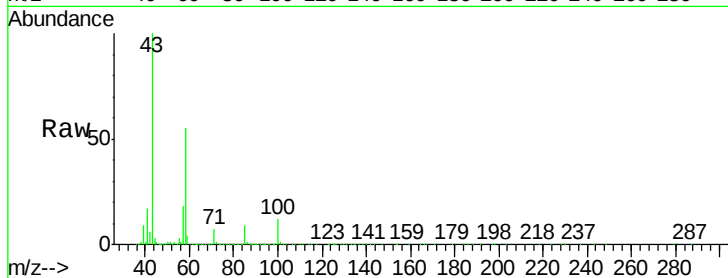
#59
2-Hexanone
Concen: 110.228 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion: 43 Resp: 304779
Ion Ratio Lower Upper
43 100
58 55.0 27.3 81.8

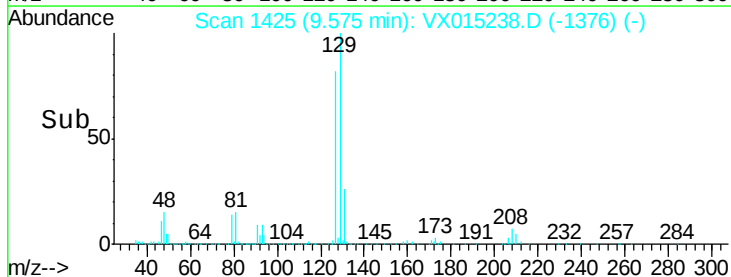
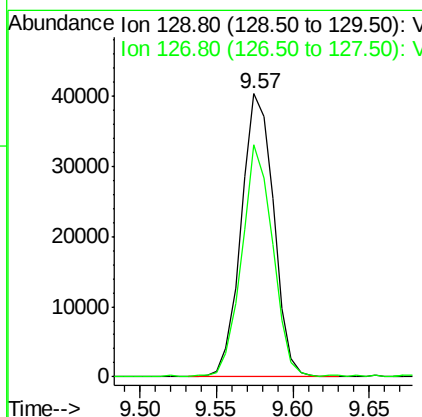
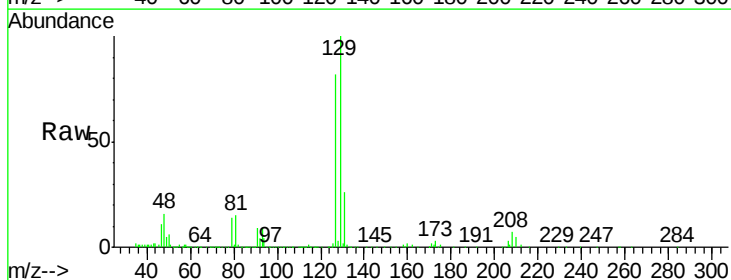
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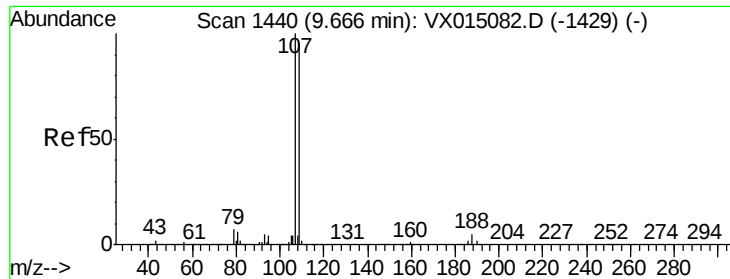
MMDadoda
3/16/2020 11:43:50 AM



#60
Dibromochloromethane
Concen: 19.537 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion: 129 Resp: 59246
Ion Ratio Lower Upper
129 100
127 78.4 38.8 116.3





#61

1,2-Dibromoethane

Concen: 19.769 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion:107 Resp: 59944

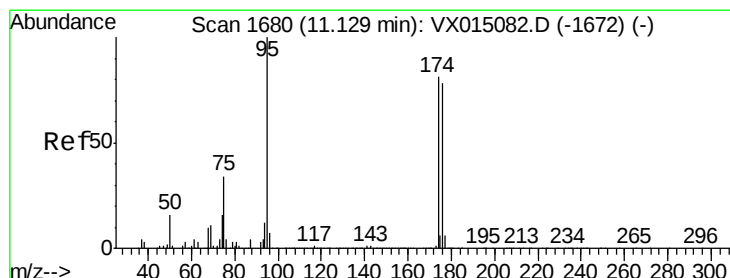
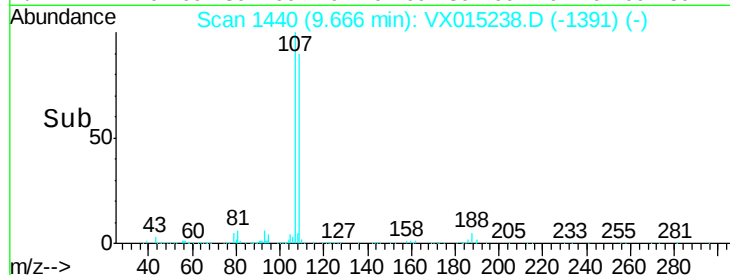
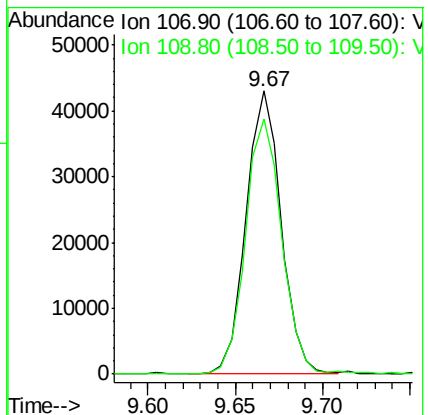
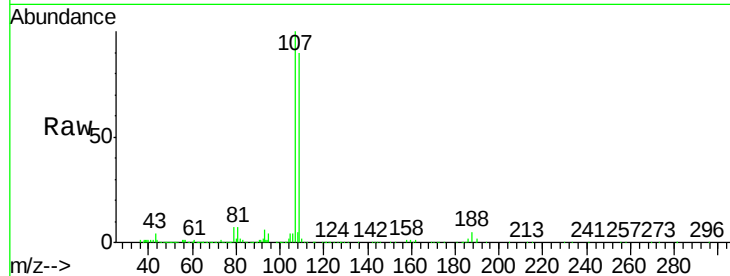
Ion Ratio Lower Upper

107 100

109 93.7 75.6 113.4

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:43:50 AM



#62

4-Bromofluorobenzene

Concen: 50.327 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

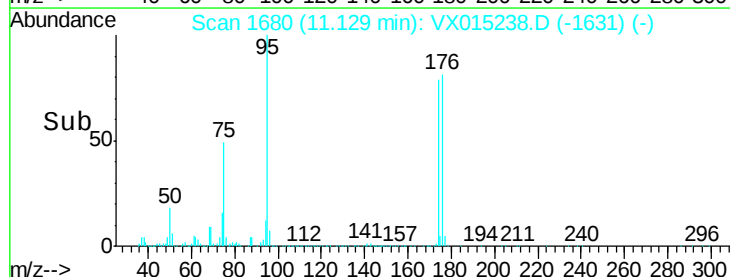
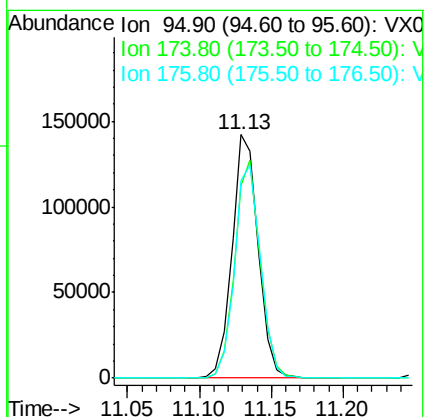
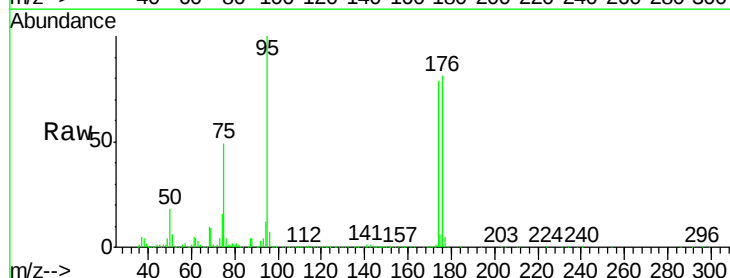
Tgt Ion: 95 Resp: 180169

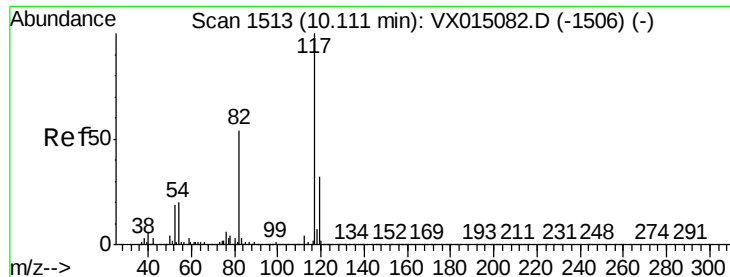
Ion Ratio Lower Upper

95 100

174 87.4 0.0 177.6

176 87.1 0.0 170.2





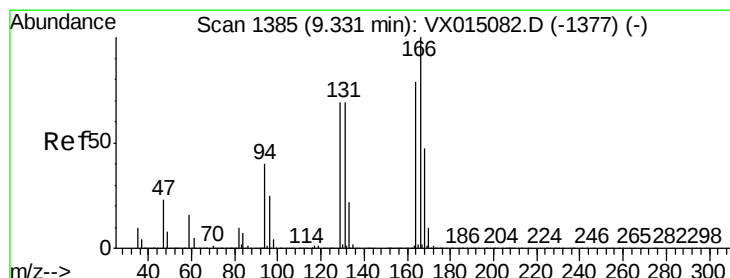
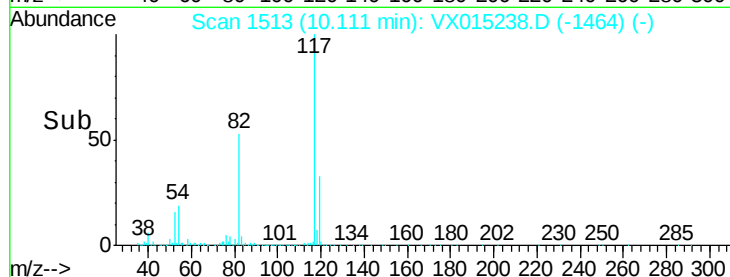
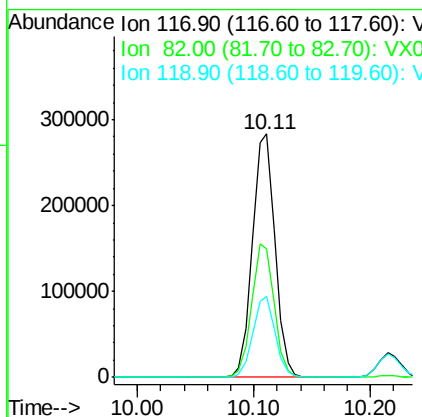
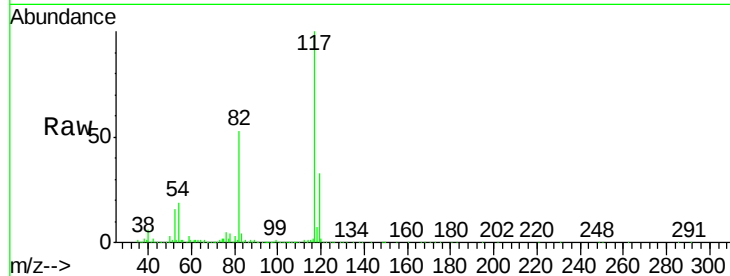
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.3	64.9
119	33.2	25.8	38.8

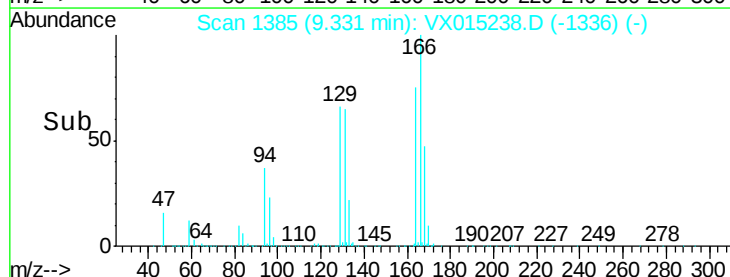
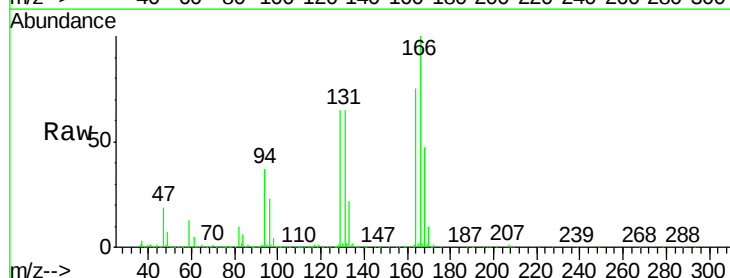
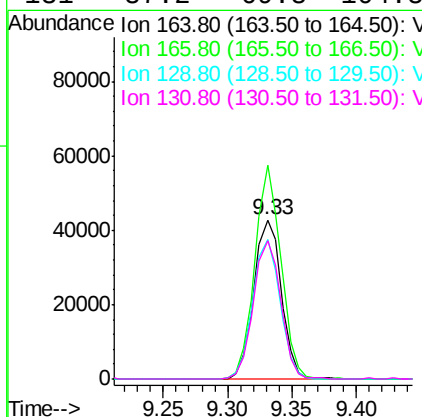
Manual Integrations
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#64
Tetrachloroethene
Concen: 19.801 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.2	101.1	151.7
129	87.6	69.4	104.0
131	87.2	69.8	104.8





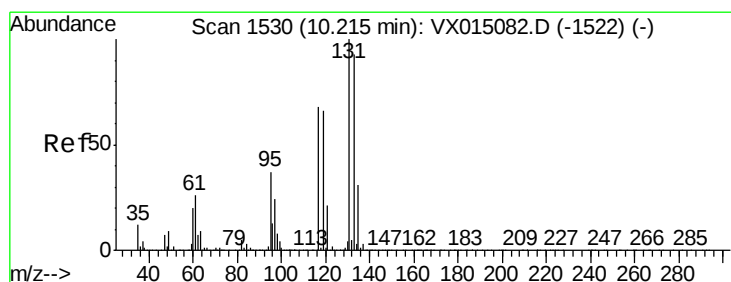
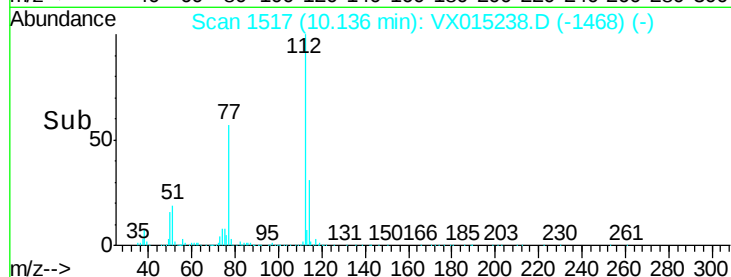
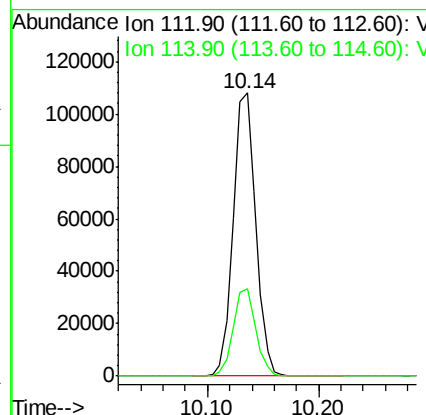
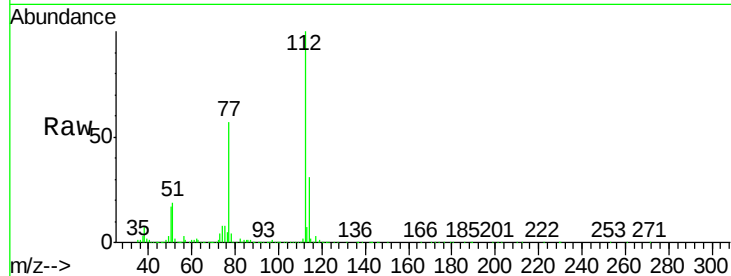
#65
Chlorobenzene
Concen: 19.720 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion:112 Resp: 151796
Ion Ratio Lower Upper
112 100
114 31.1 25.5 38.3

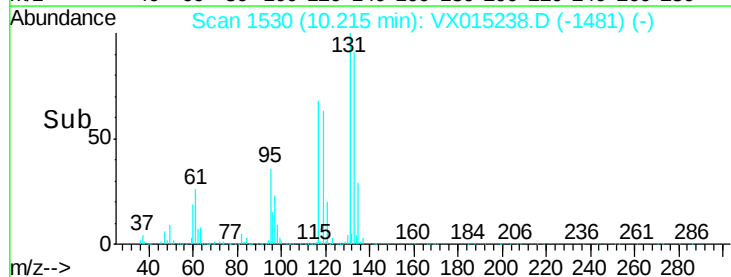
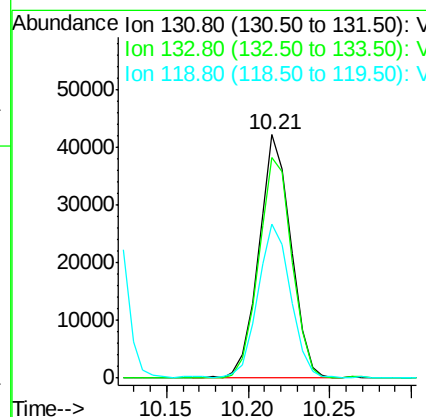
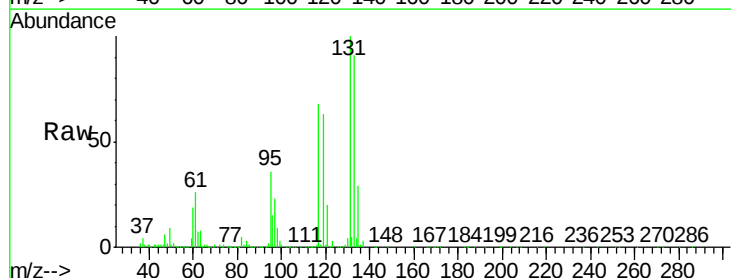
Manual Integrations
APPROVED

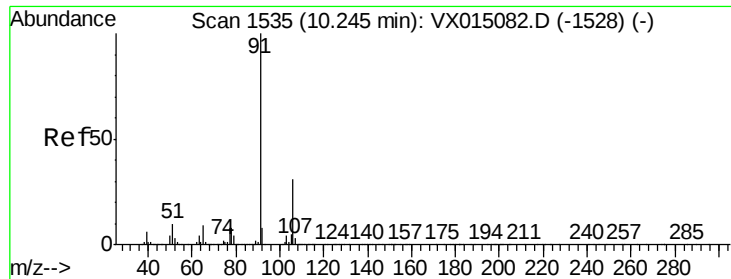
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3/16/2020 11:43:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.818 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion:131 Resp: 57524
Ion Ratio Lower Upper
131 100
133 93.4 47.5 142.5
119 64.1 33.4 100.1





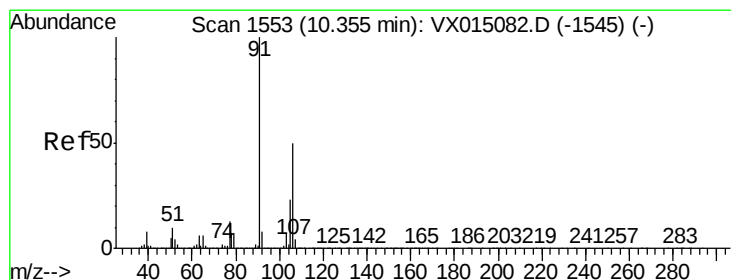
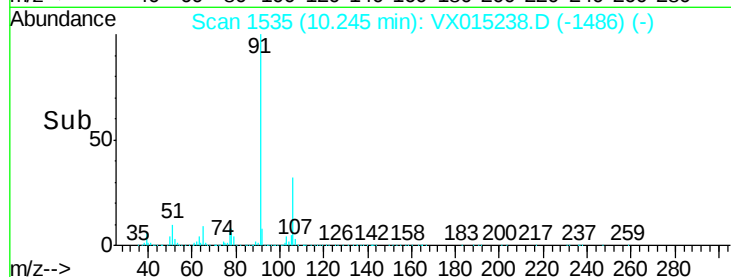
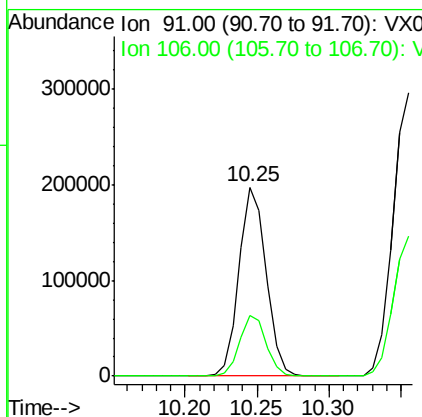
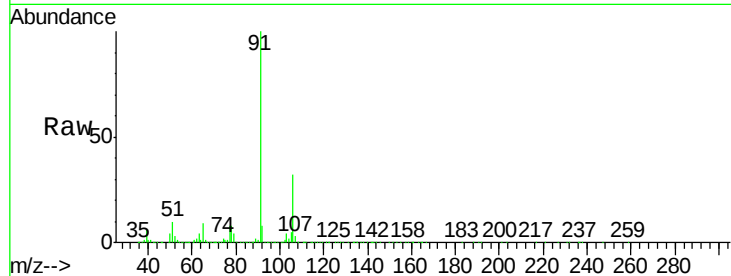
#67
Ethyl Benzene
Concen: 19.797 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion: 91 Resp: 258771
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3

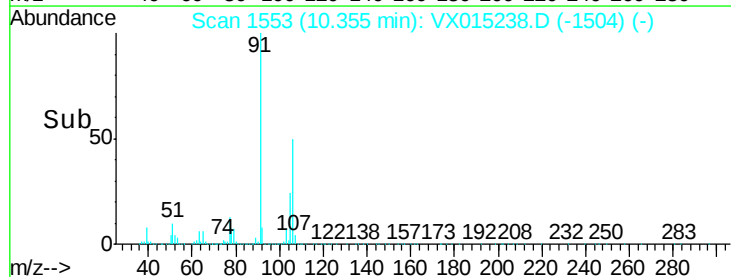
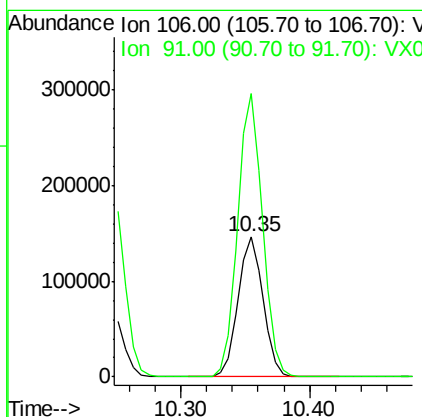
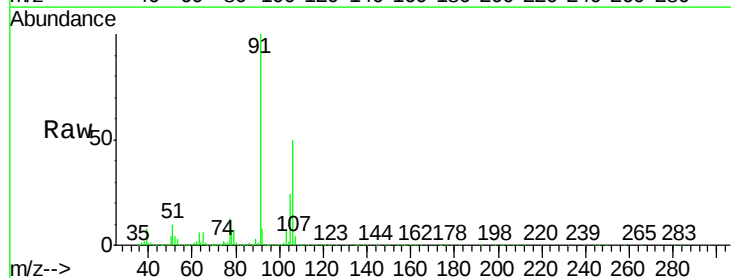
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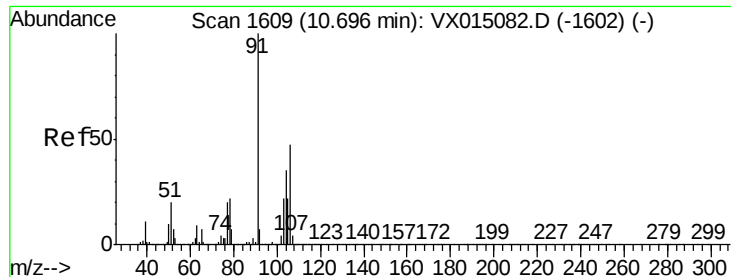
MMDadoda
3/16/2020 11:43:50 AM



#68
m/p-Xylenes
Concen: 39.689 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion: 106 Resp: 197383
Ion Ratio Lower Upper
106 100
91 201.1 159.4 239.2





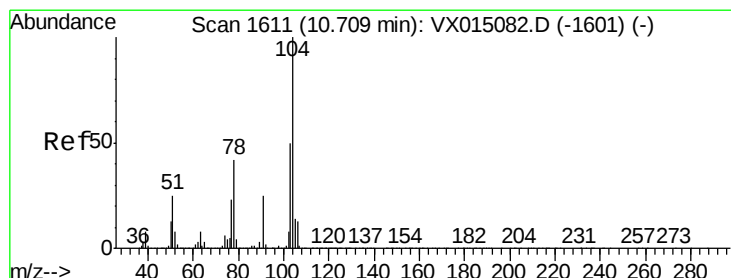
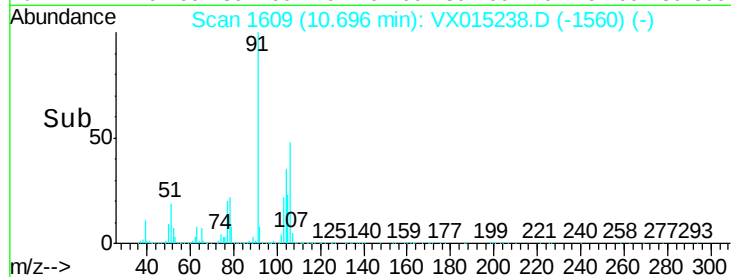
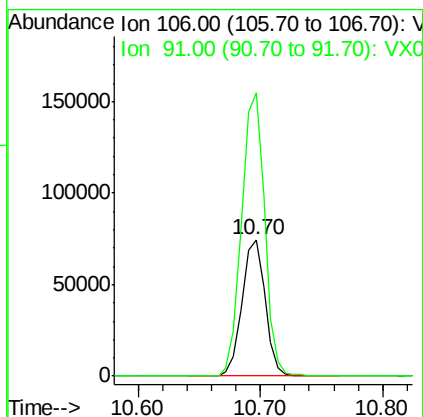
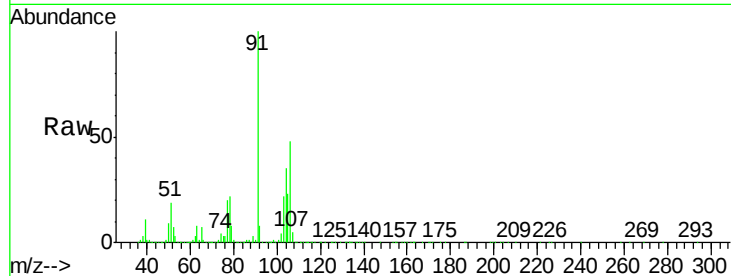
#69
o-Xylene
Concen: 20.439 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampled :
VX0312WBSD01

Tot Ion:106 Resp: 97322
Ion Ratio Lower Upper
106 100
91 207.2 105.4 316.1

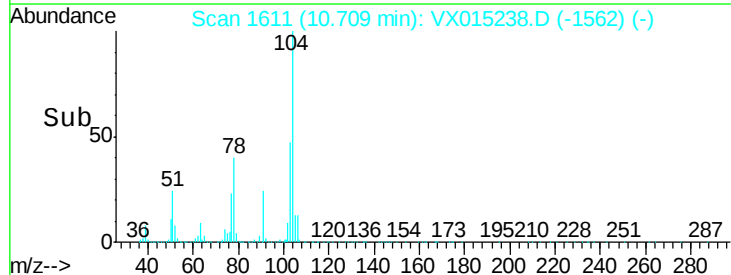
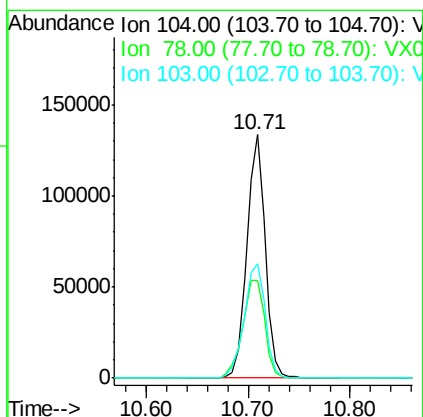
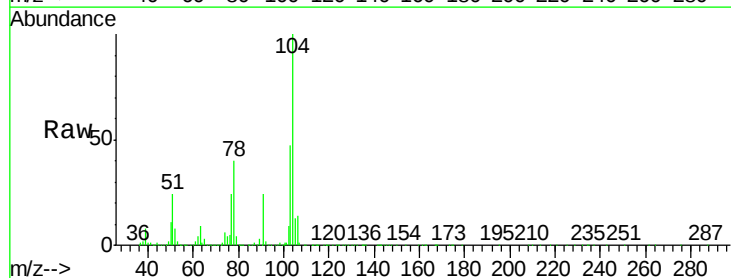
Manual Integrations
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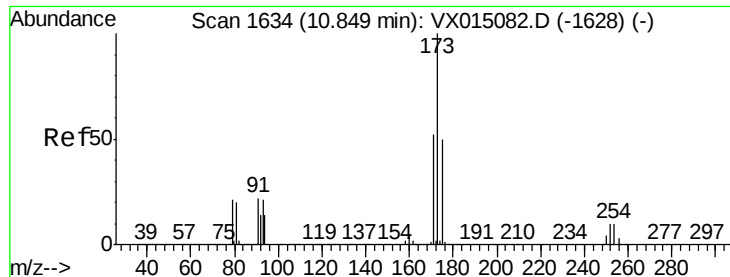
MMDadoda
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#70
Styrene
Concen: 20.494 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion:104 Resp: 167313
Ion Ratio Lower Upper
104 100
78 48.2 39.0 58.4
103 53.8 43.7 65.5





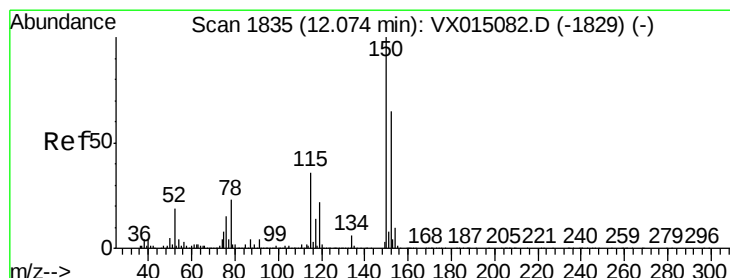
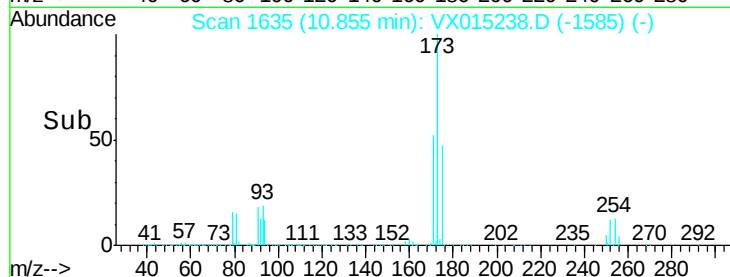
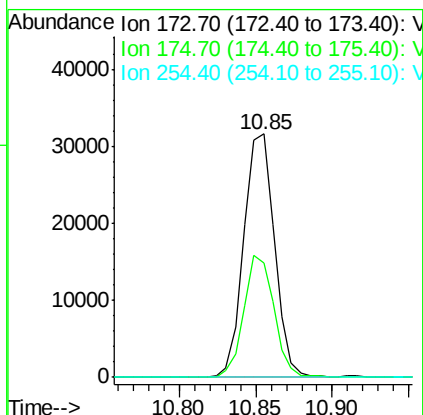
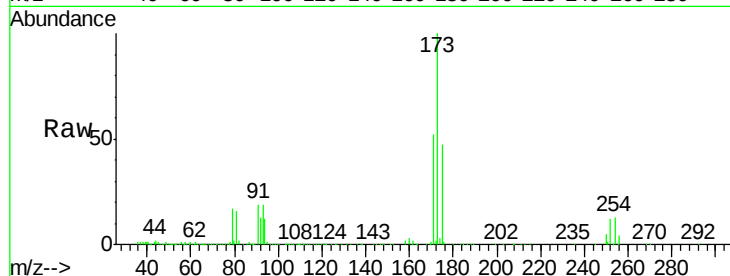
#71
Bromoform
Concen: 19.648 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.9	74.7
254	0.2	0.2	0.2

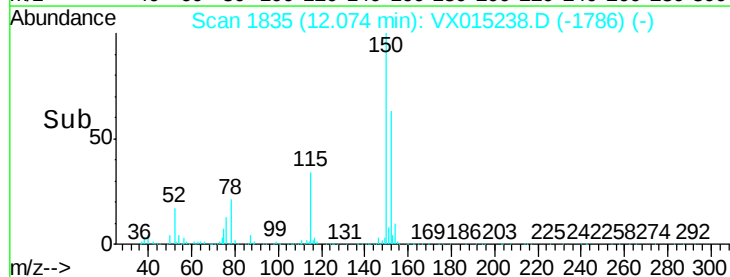
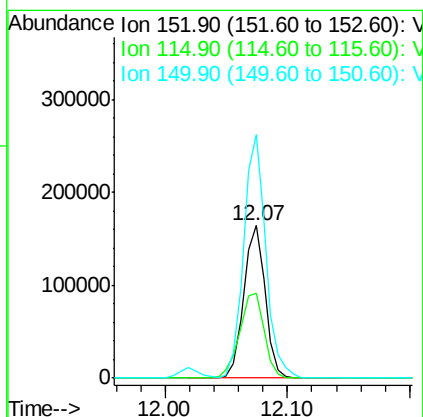
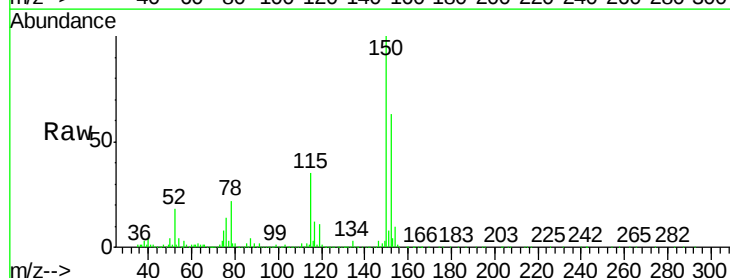
Manual Integrations
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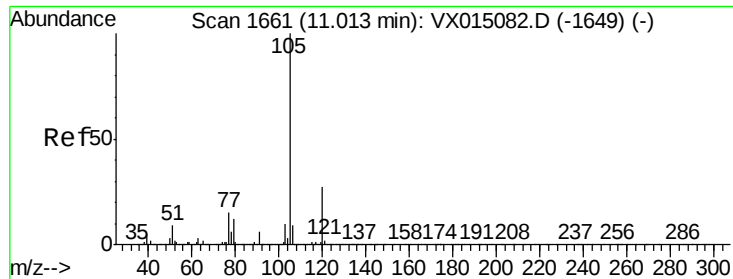
MMDadoda
3/16/2020 11:43:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.7	38.2	114.6
150	165.0	0.0	343.8





#73

Isopropylbenzene

Concen: 20.200 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion: 105 Resp: 255176

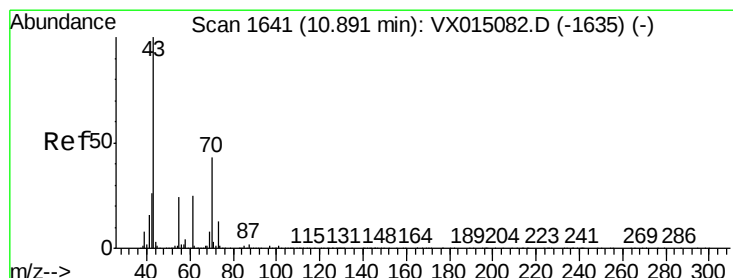
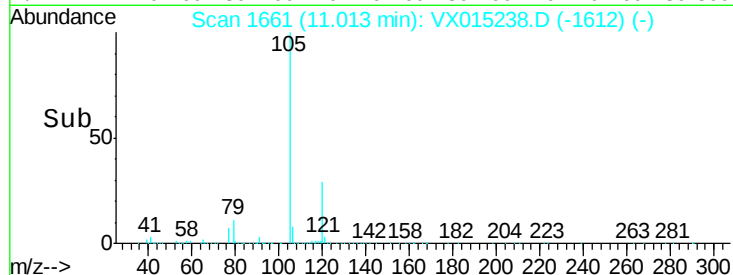
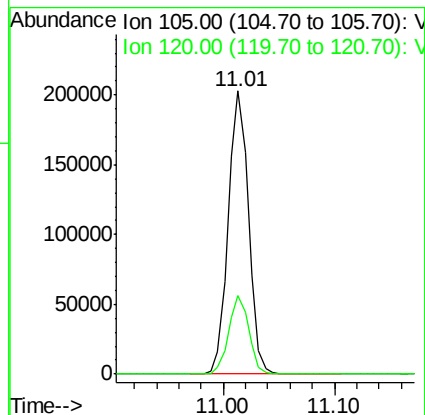
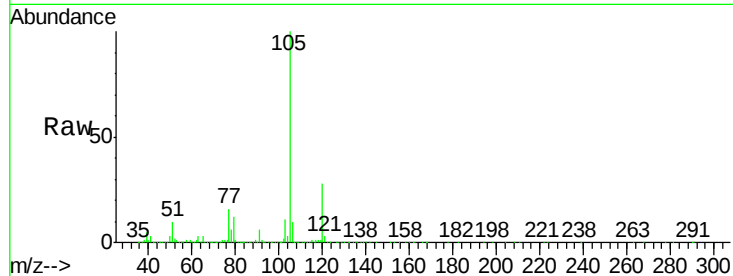
Ion Ratio Lower Upper

105 100

120 27.6 13.5 40.5

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#74

N-ethyl acetate

Concen: 20.877 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Tgt Ion: 43 Resp: 111144

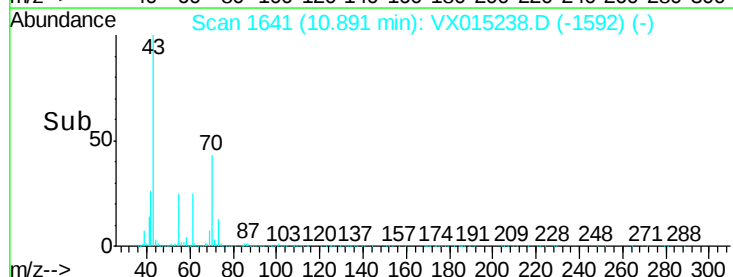
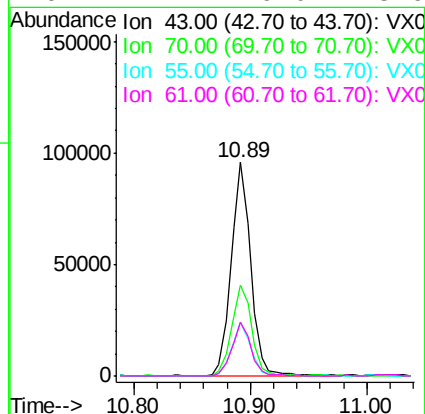
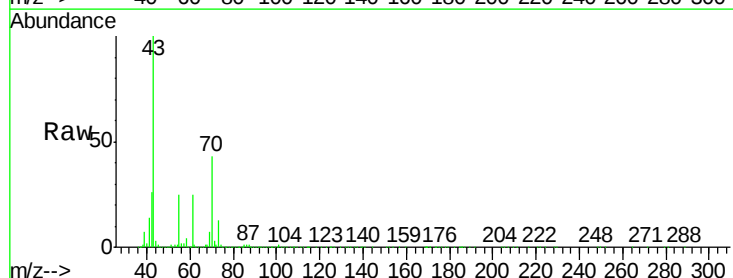
Ion Ratio Lower Upper

43 100

70 43.9 34.7 52.1

55 24.8 19.4 29.0

61 24.4 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.243 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

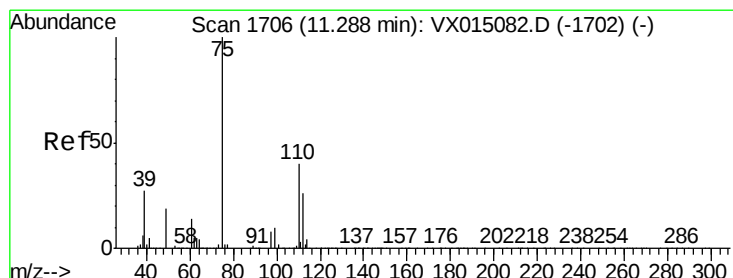
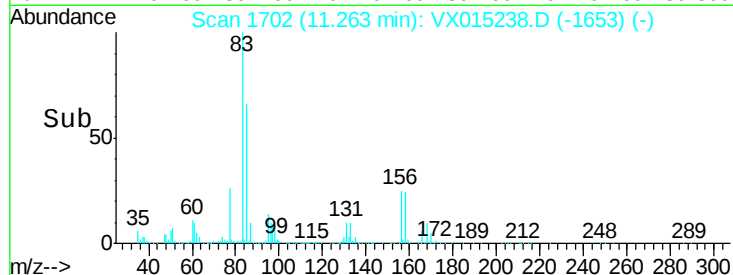
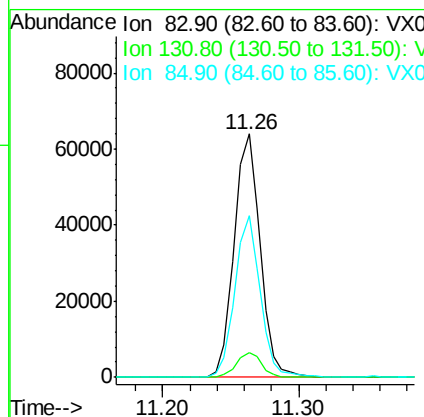
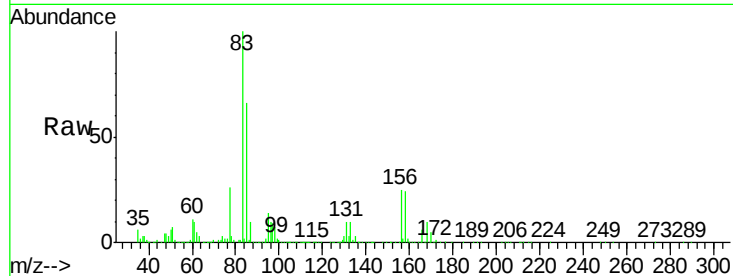
ClientSampleId :

VX0312WBSD01

Tot Ion:	83	Resp:	85221
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	14.9
85	64.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.586 ug/l m

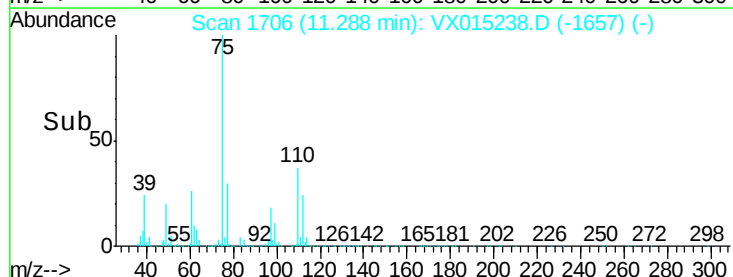
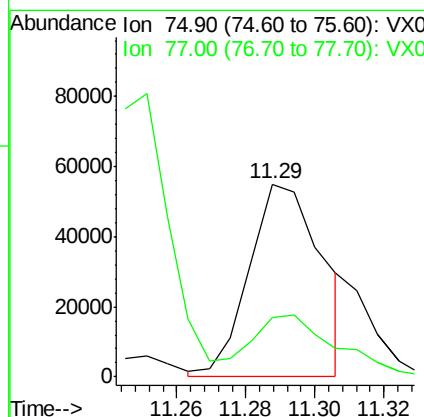
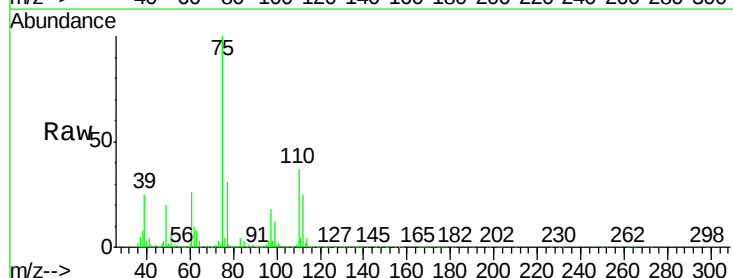
RT: 11.29 min Scan# 1706

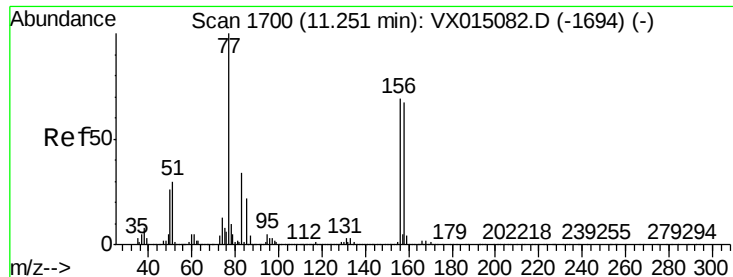
Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Tgt Ion:	75	Resp:	81201
Ion Ratio	Lower	Upper	
75	100		
77	35.4	22.6	67.8





#77

Bromobenzene

Concen: 19.801 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

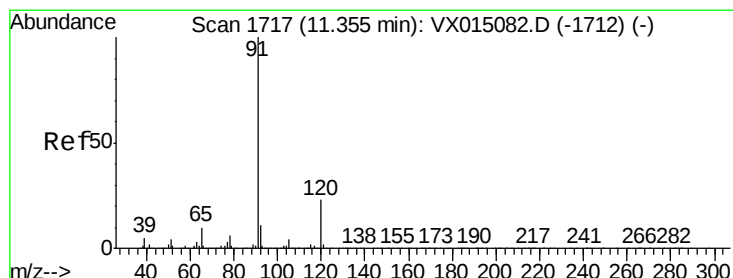
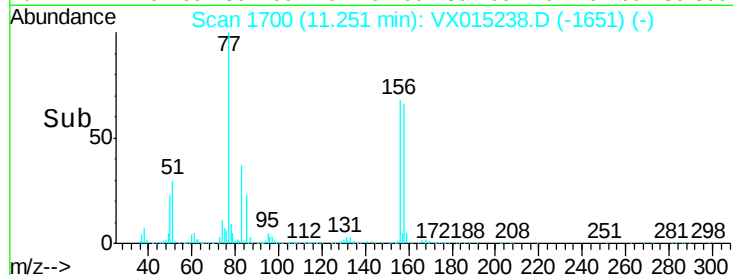
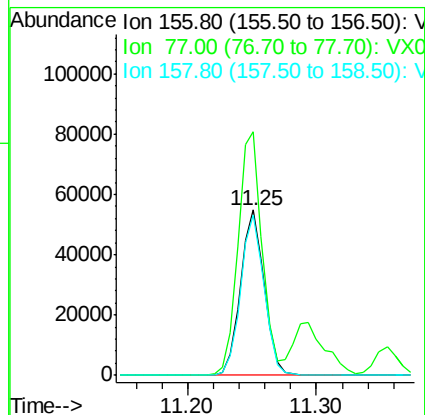
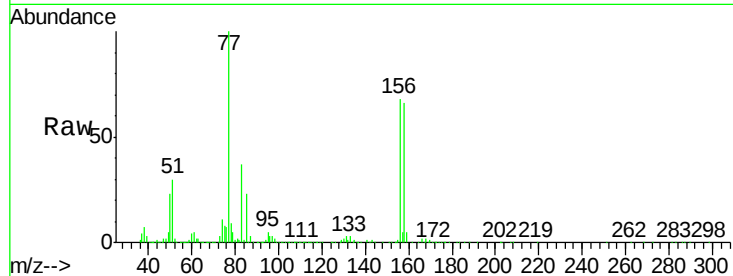
ClientSampleId :

VX0312WBSD01

Tot Ion:	156	Resp:	69709
Ion Ratio	Lower	Upper	
156	100		
77	149.2	75.3	225.9
158	96.2	48.5	145.6

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#78

n-propylbenzene

Concen: 20.276 ug/l

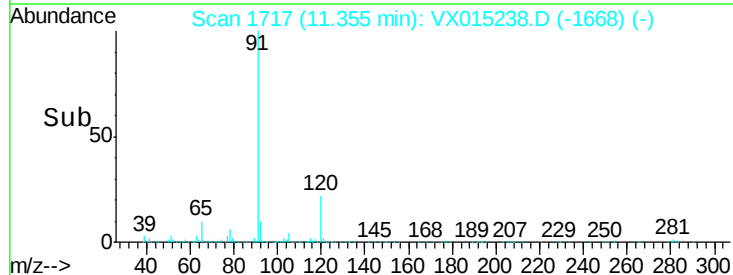
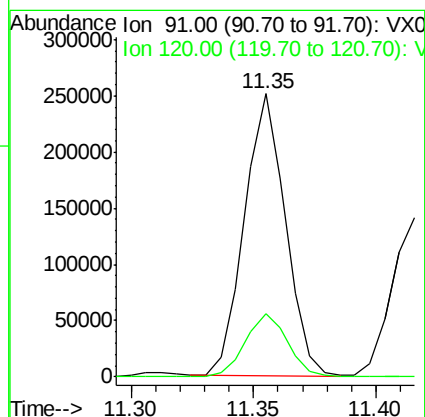
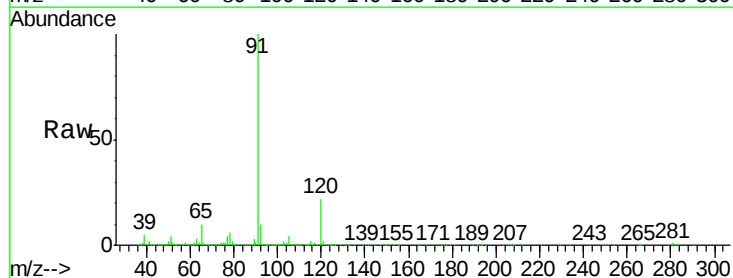
RT: 11.35 min Scan# 1717

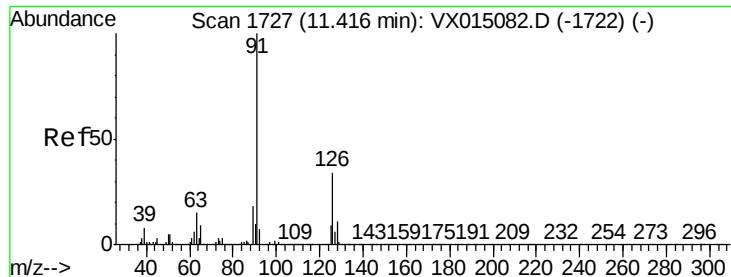
Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Tgt Ion:	91	Resp:	292630
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.1





#79

2-Chlorotoluene

Concen: 20.211 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion: 91 Resp: 174193

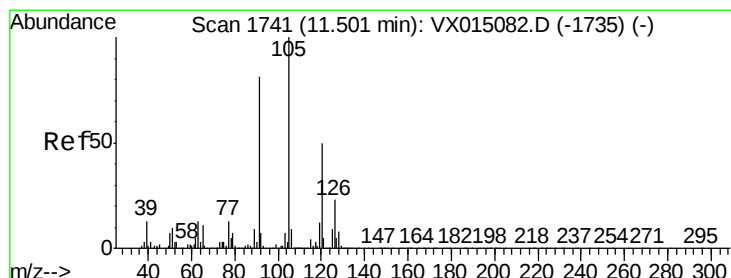
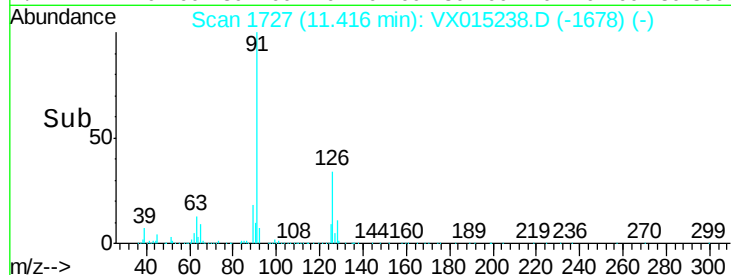
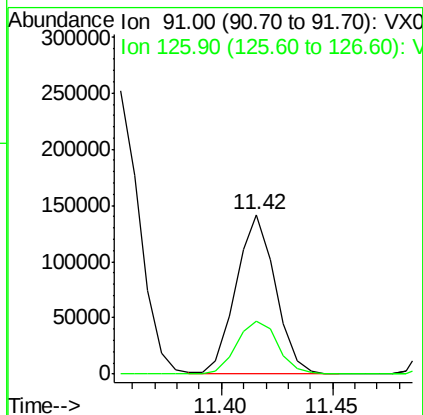
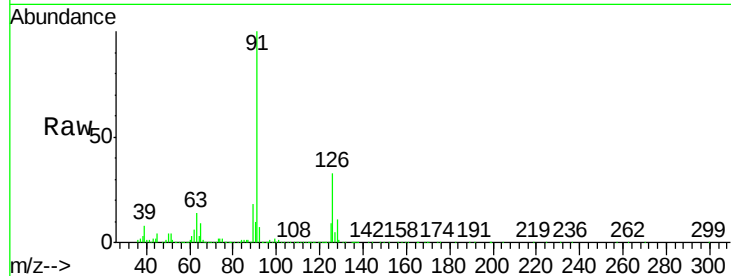
Ion Ratio Lower Upper

91 100

126 35.3 17.3 52.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.177 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX015238.D

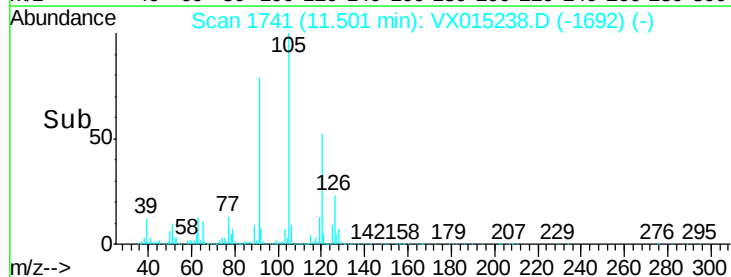
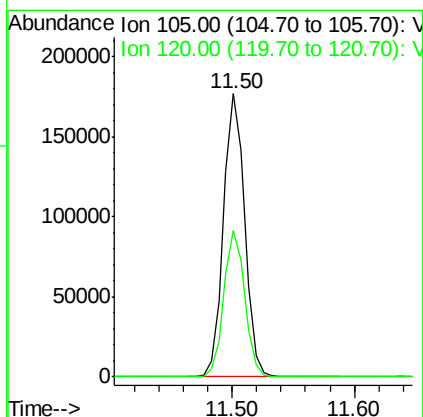
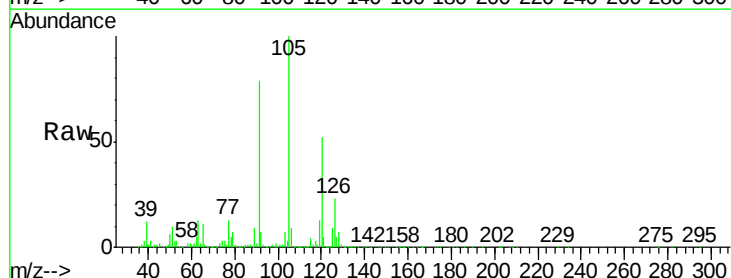
Acq: 12 Mar 2020 17:14

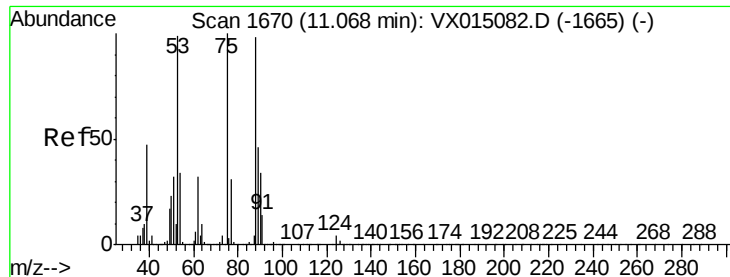
Tgt Ion: 105 Resp: 212181

Ion Ratio Lower Upper

105 100

120 51.1 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.925 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

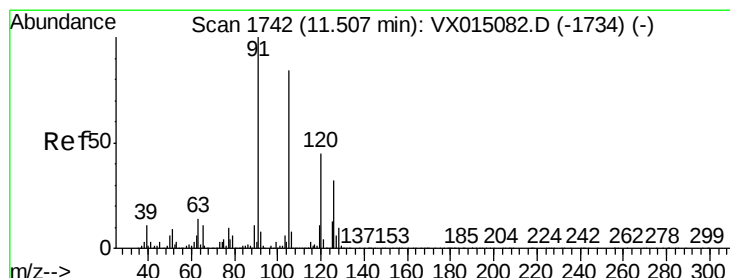
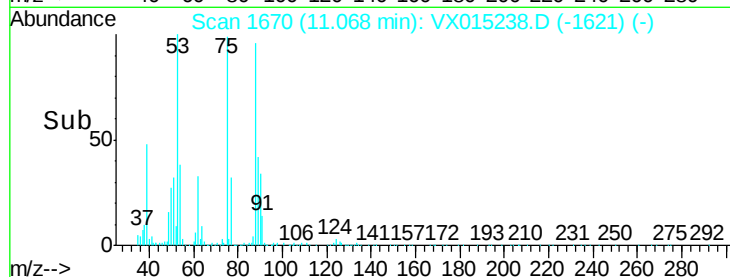
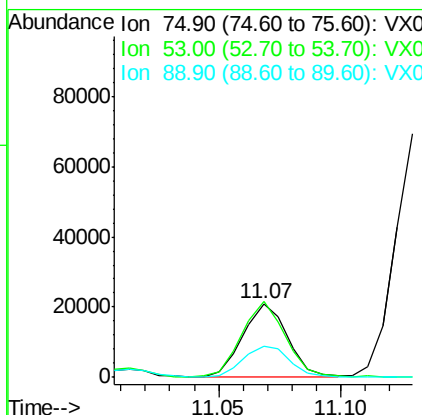
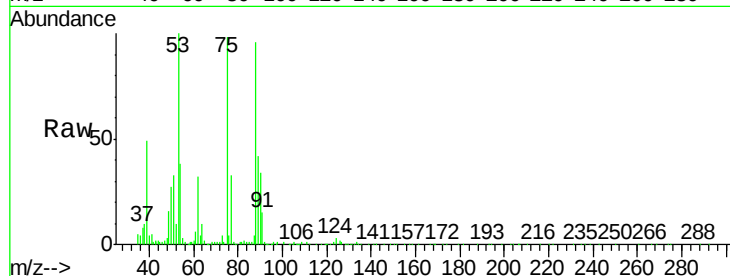
ClientSampleId :

VX0312WBSD01

Tot Ion:	75	Resp:	26304
Ion Ratio	Lower	Upper	
75	100		
53	101.0	77.9	116.9
89	46.0	36.2	54.2

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#82

4-Chlorotoluene

Concen: 19.647 ug/l

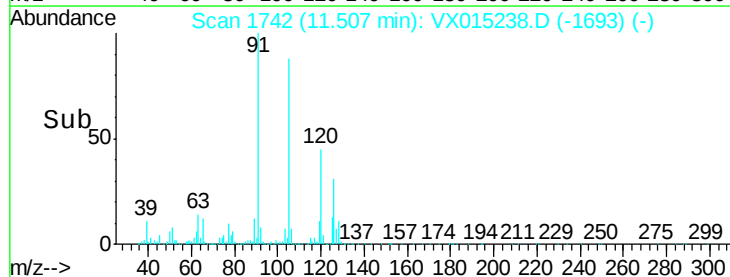
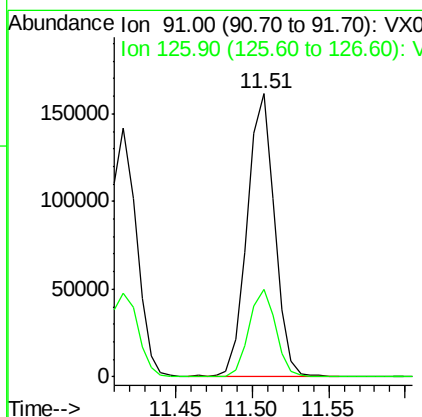
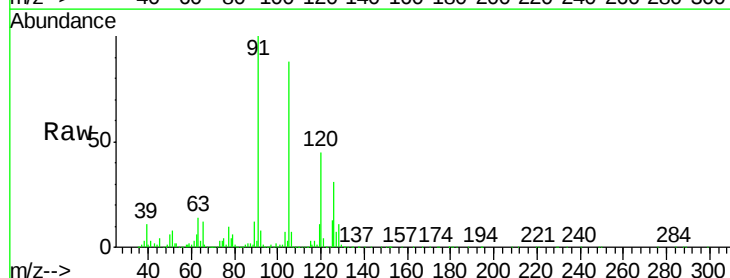
RT: 11.51 min Scan# 1742

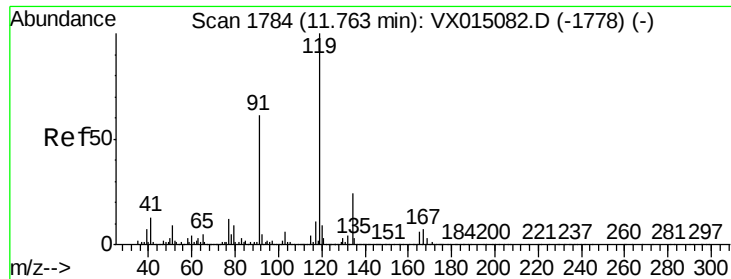
Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Tgt Ion:	91	Resp:	200060
Ion Ratio	Lower	Upper	
91	100		
126	30.5	15.4	46.2





#83

tert-Butylbenzene

Concen: 20.962 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

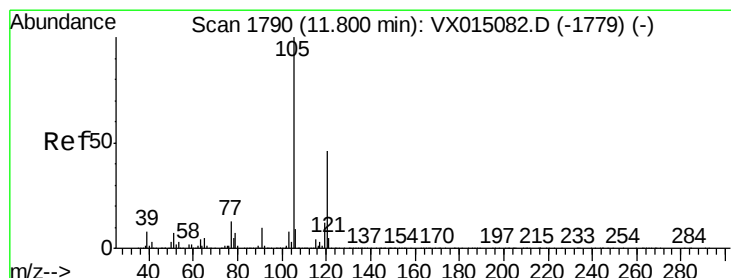
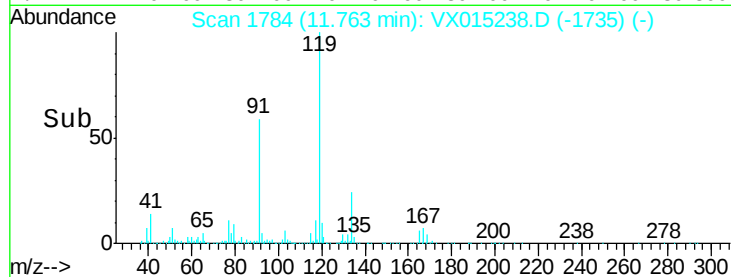
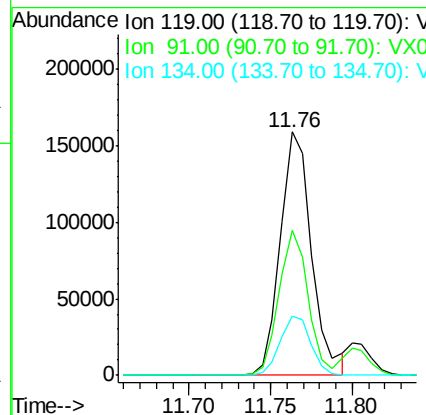
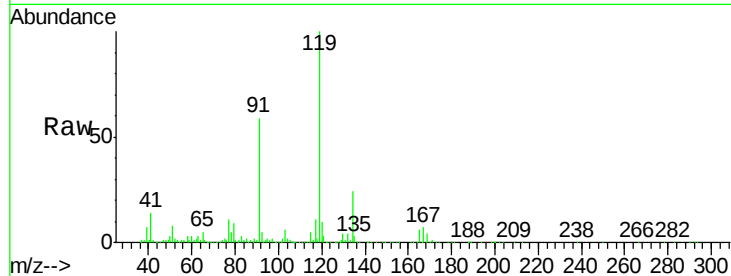
ClientSampleId :

VX0312WBSD01

Tot Ion:	119	Resp:	213148
Ion Ratio	Lower	Upper	
119	100		
91	55.4	28.5	85.6
134	24.0	11.9	35.7

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#84

1,2,4-Trimethylbenzene

Concen: 20.431 ug/l

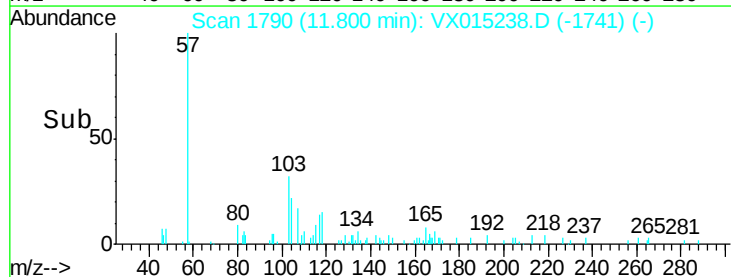
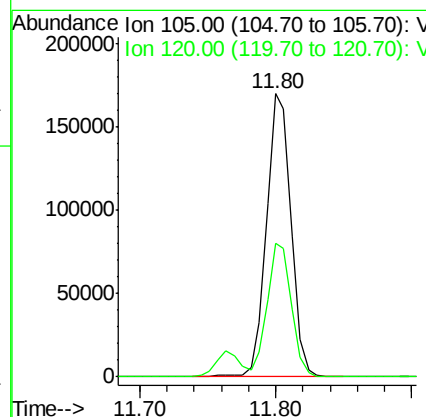
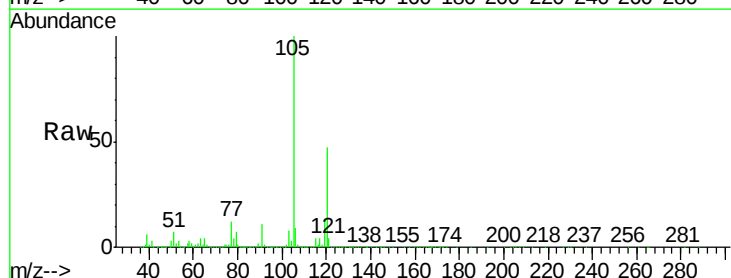
RT: 11.80 min Scan# 1790

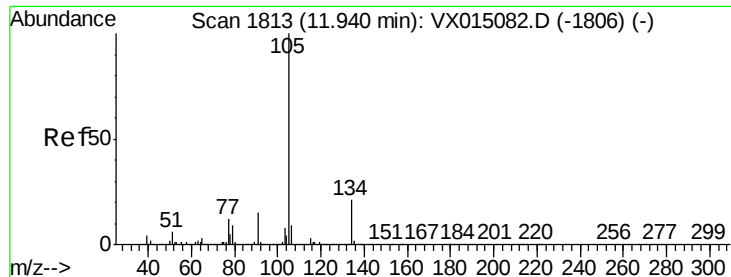
Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Tgt Ion:	105	Resp:	215839
Ion Ratio	Lower	Upper	
105	100		
120	46.6	22.9	68.5





#85

sec-Butylbenzene

Concen: 20.562 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

Instrument :

MSVOA_X

ClientSampleId :

VX0312WBSD01

Tot Ion:105 Resp: 252398

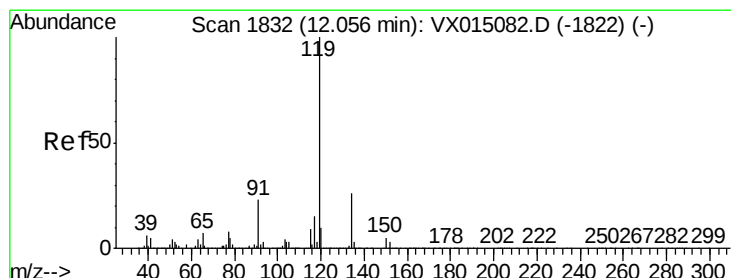
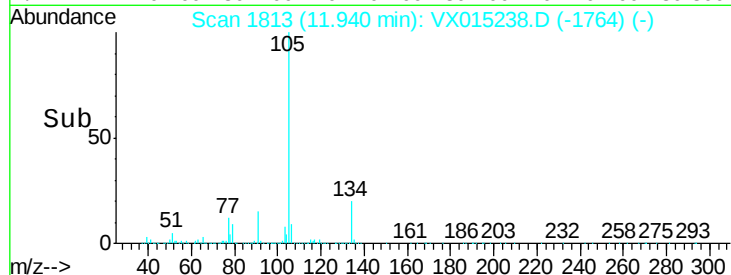
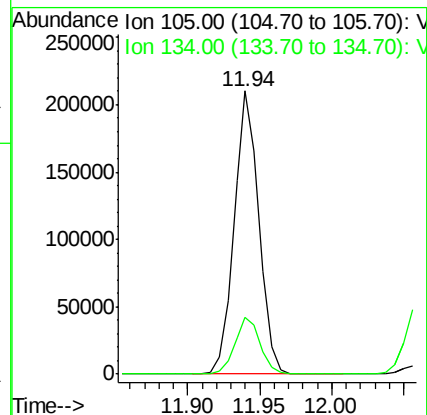
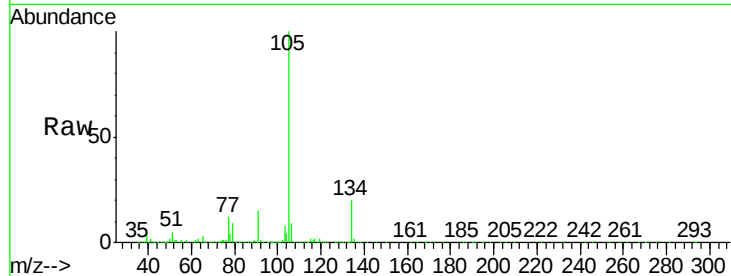
Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 20.609 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VX015238.D

Acq: 12 Mar 2020 17:14

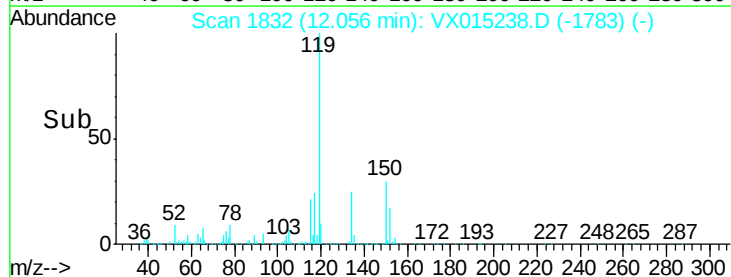
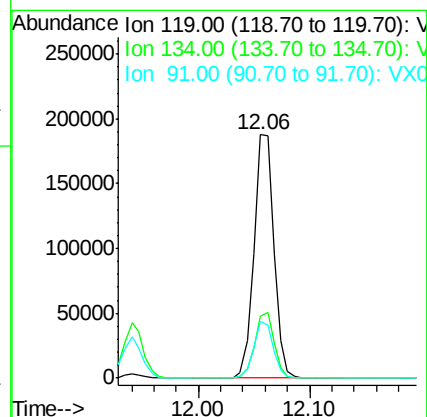
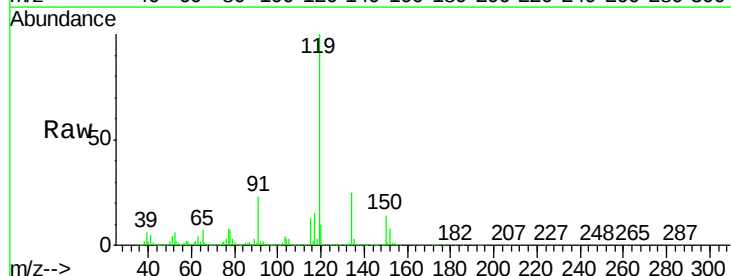
Tgt Ion:119 Resp: 233073

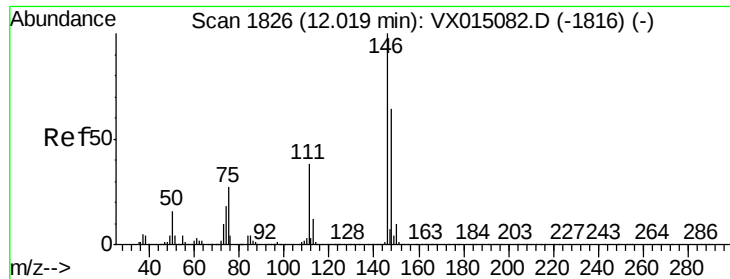
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 22.7 11.3 33.8





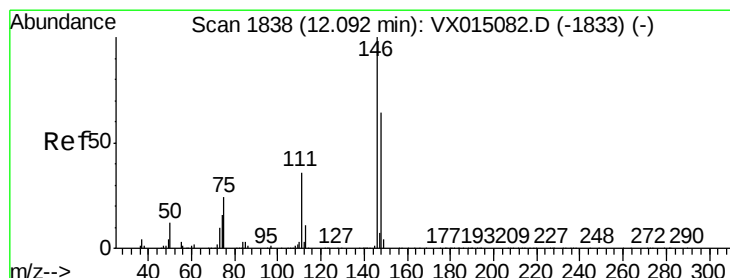
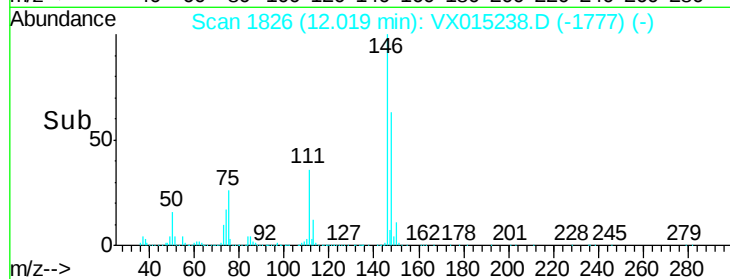
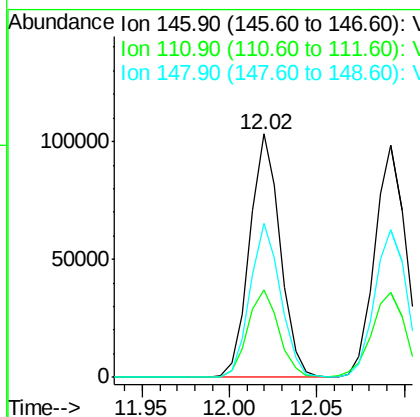
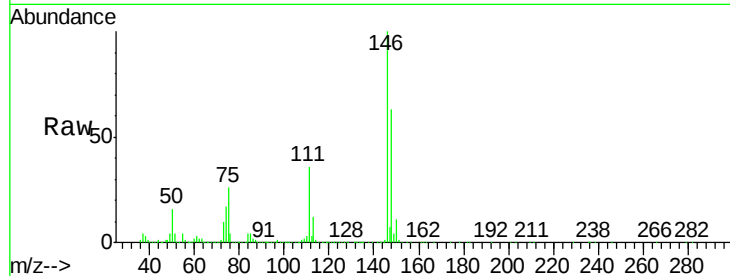
#87
 1,3-Dichlorobenzene
 Concen: 20.199 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX015238.D
 Acq: 12 Mar 2020 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.1
148	63.3	31.9	95.5

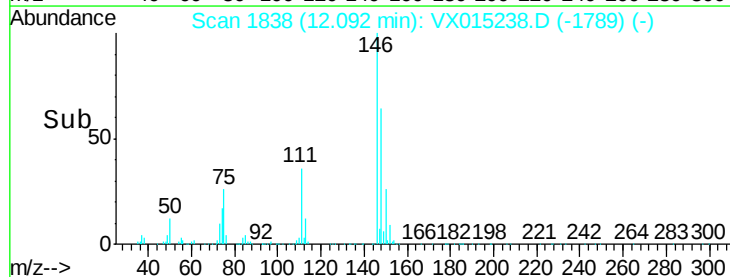
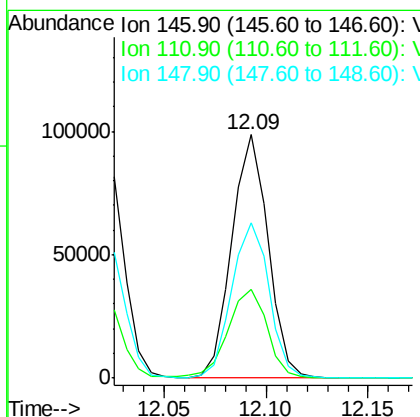
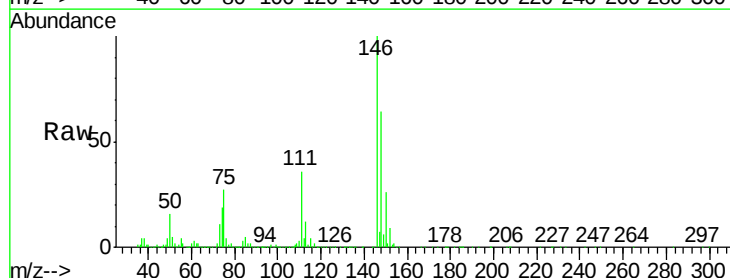
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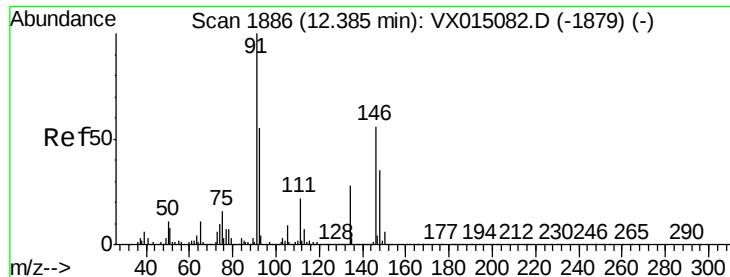
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#88
 1,4-Dichlorobenzene
 Concen: 18.955 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX015238.D
 Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.7	56.1
148	66.6	32.5	97.4





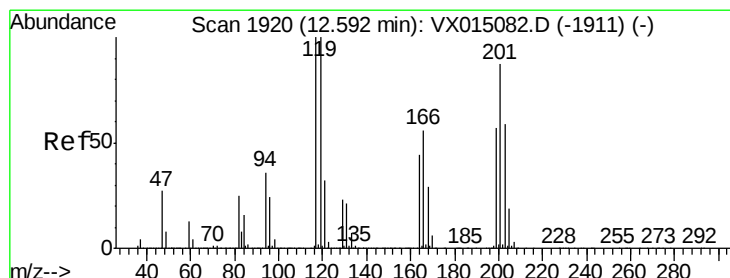
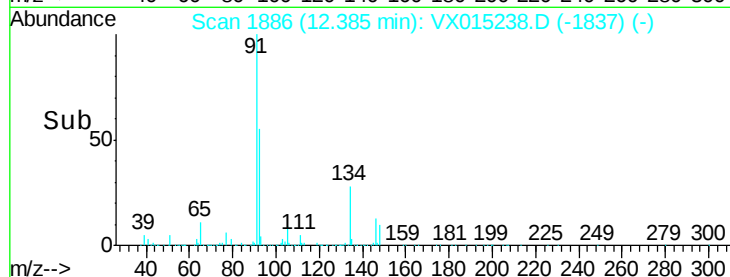
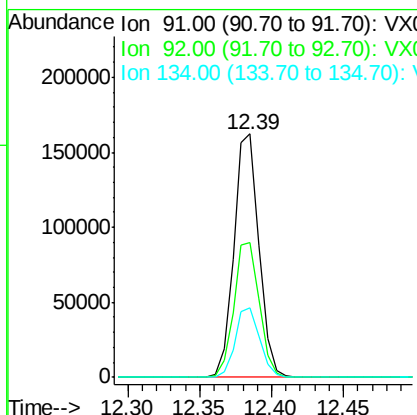
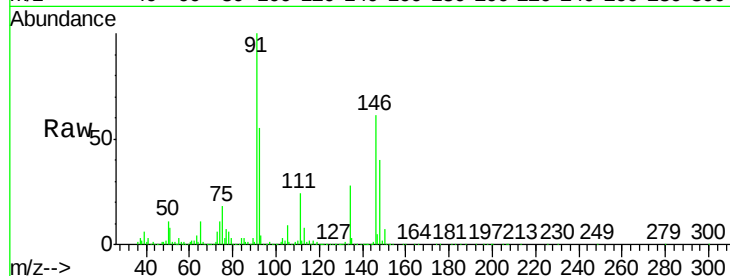
#89
n-Butylbenzene
Concen: 19.687 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	198021		
92	56.8	27.2	81.6	
134	28.0	13.5	40.5	

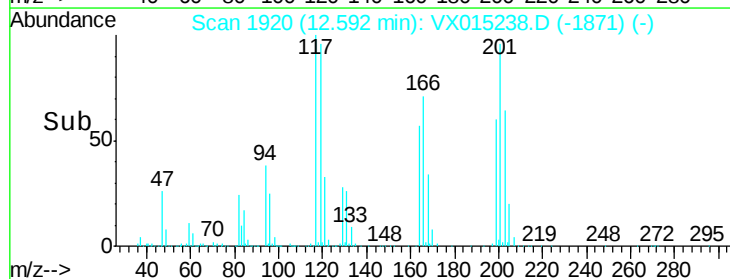
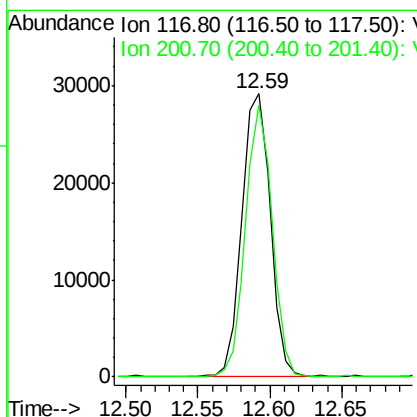
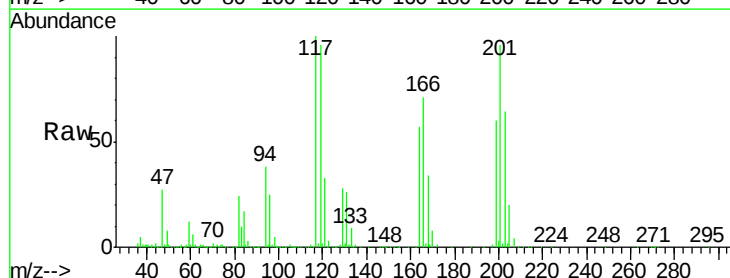
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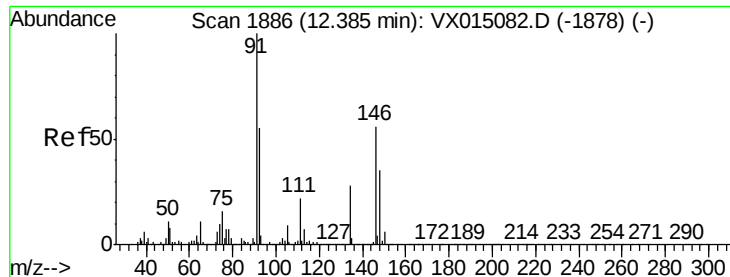
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#90
Hexachloroethane
Concen: 18.722 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40027		
201	89.6	43.5	130.7	





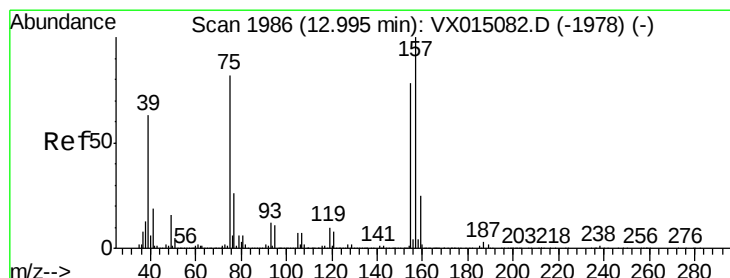
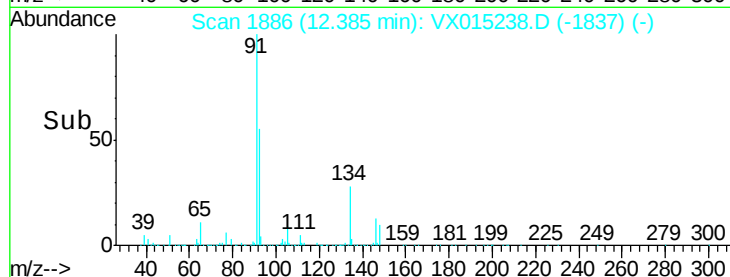
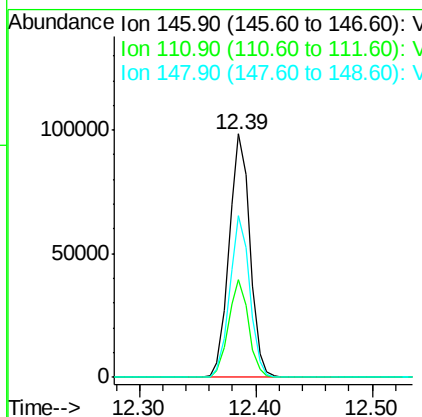
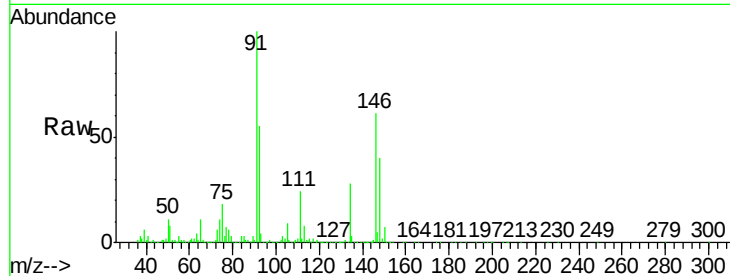
#91
 1,2-Dichlorobenzene
 Concen: 19.910 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX015238.D
 Acq: 12 Mar 2020 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.9	59.7
148	63.7	32.3	96.8

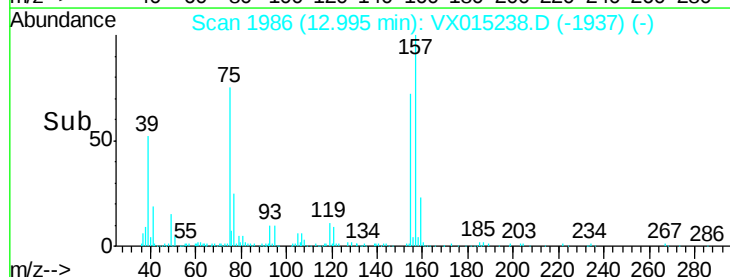
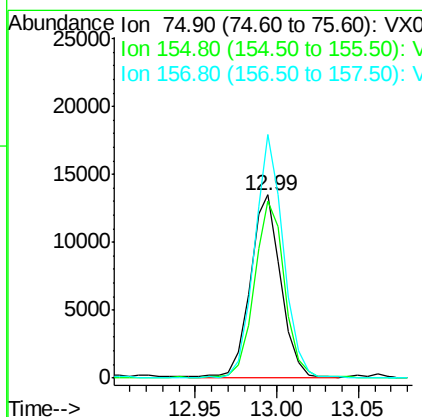
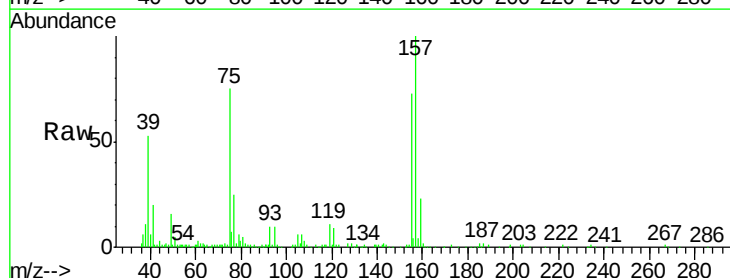
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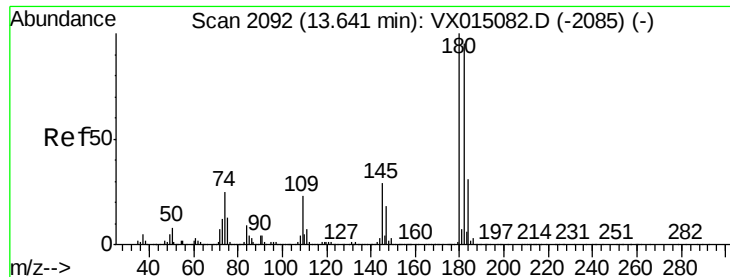
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.623 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX015238.D
 Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	46.6	139.7
157	127.0	59.2	177.5





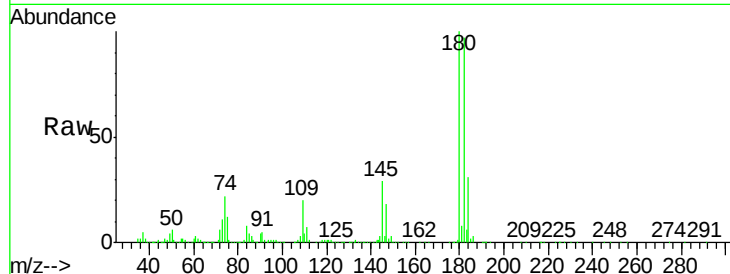
#93
 1,2,4-Trichlorobenzene
 Concen: 20.484 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX015238.D
 Acq: 12 Mar 2020 17:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBSD01

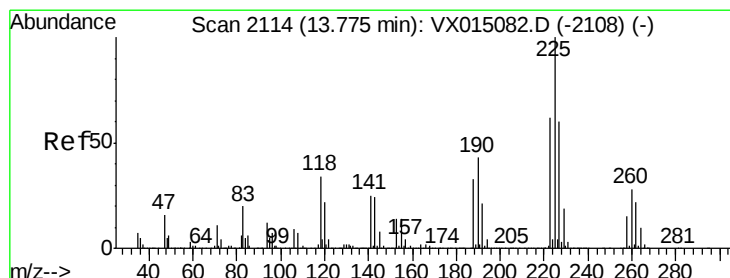
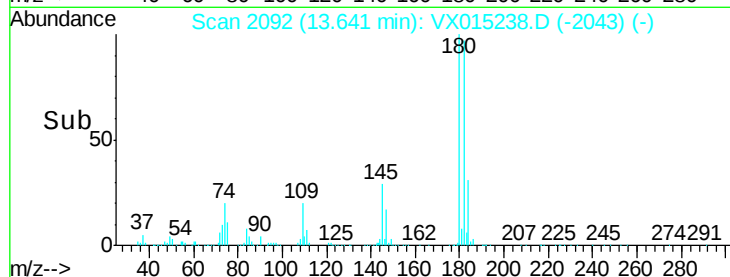
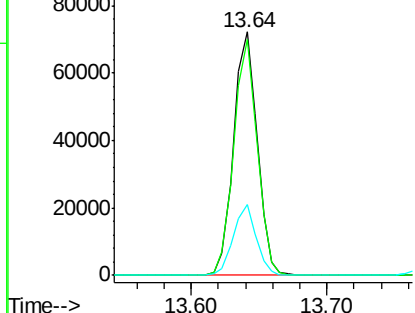
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.6	142.8
145	28.2	14.1	42.2

Manual Integrations
 APPROVED

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 3/16/2020 11:43:50 AM

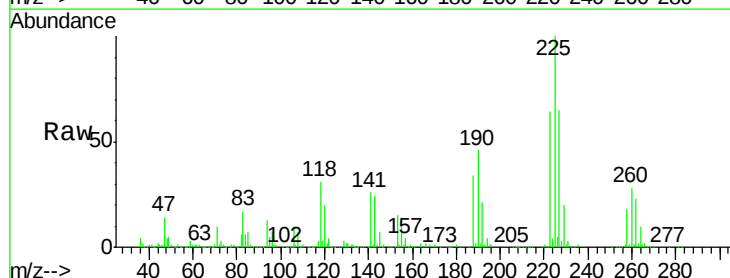


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

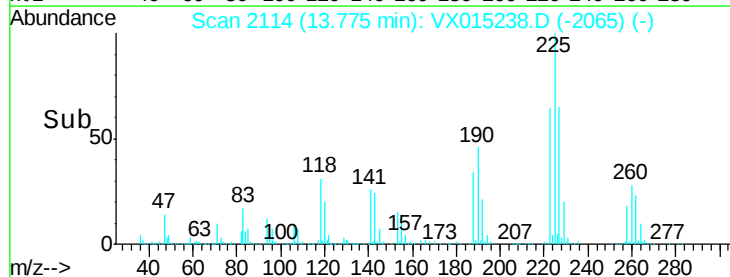
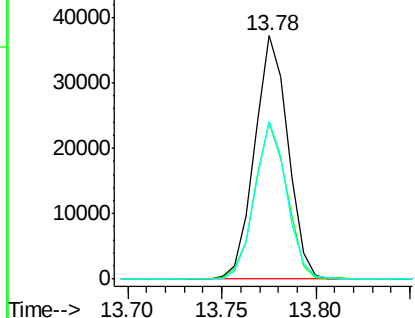


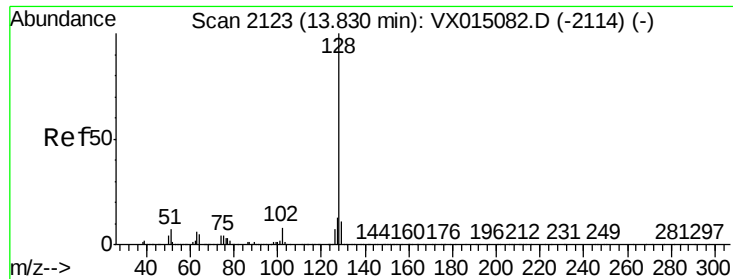
#94
 Hexachlorobutadiene
 Concen: 20.783 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX015238.D
 Acq: 12 Mar 2020 17:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.3	93.9
227	62.2	31.1	93.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





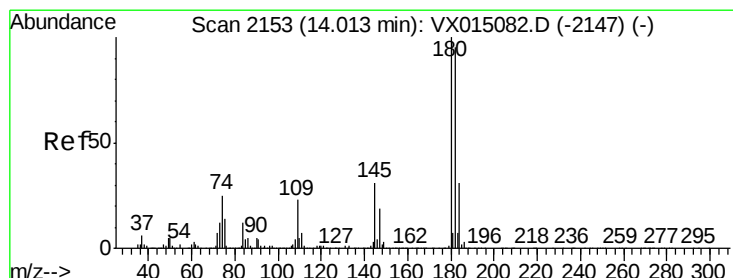
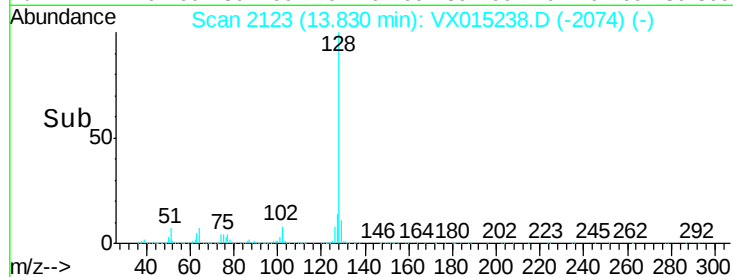
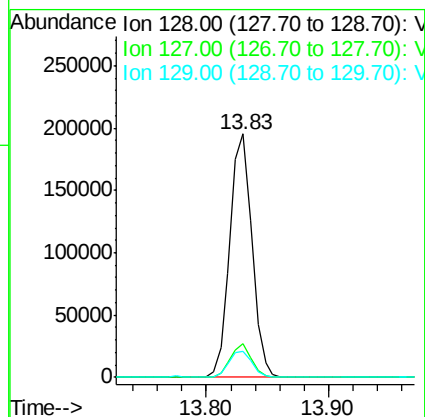
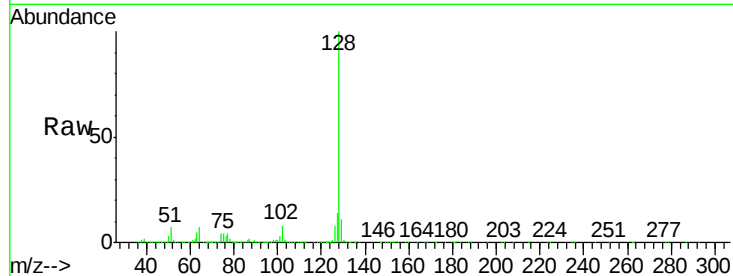
#95
Naphthalene
Concen: 19.585 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Instrument :
MSVOA_X
ClientSampleId :
VX0312WBSD01

Tot Ion:	128	Resp:	244724
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	11.2	8.6	13.0

Manual Integrations
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3/16/2020 11:43:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.906 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX015238.D
Acq: 12 Mar 2020 17:14

Tgt Ion:	180	Resp:	89088
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.8	143.4
145	29.5	15.1	45.3

