

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013085.D
 Acq On : 16 Oct 2019 09:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 10/18/2019 4:51:35 PM

Quant Time: Oct 17 03:43:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 17 03:05:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	29930	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	274304	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	246265	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	102017	44.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	148.17%
60) 4-Bromofluorobenzene	11.14	95	122908	28.51	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.03%
63) Toluene-d8	8.71	98	308620	27.47	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	81221	40.251	ug/l 100
3) Chloromethane	1.32	50	81595	41.196	ug/l 99
4) Vinyl Chloride	1.40	62	84302	42.669	ug/l 96
5) Bromomethane	1.62	94	31830	34.473	ug/l 99
6) Chloroethane	1.71	64	54552	44.911	ug/l 99
7) Trichlorofluoromethane	1.92	101	133303	45.919	ug/l 97
8) Diethyl Ether	2.18	74	49134	45.990	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	88037	48.108	ug/l 98
10) 1,1-Dichloroethene	2.36	96	81181	45.095	ug/l 98
11) Methyl Iodide	2.50	142	94558	42.946	ug/l 99
12) Methyl Acetate	2.76	43	115128	45.732	ug/l 100
13) Acrolein	2.28	56	90144	248.844	ug/l 99
14) Acrylonitrile	3.13	53	242686	230.961	ug/l 100
15) Acetone	2.44	58	94350	253.637	ug/l 87
16) Carbon Disulfide	2.56	76	197229	40.513	ug/l 99
17) Allyl chloride	2.72	41	140131	45.869	ug/l 99
18) Methylene Chloride	2.84	84	94771	46.274	ug/l 96
19) trans-1,2-Dichloroethene	3.15	96	87500	45.393	ug/l 96
20) Diisopropyl ether	3.84	45	284095	48.471	ug/l 97
21) 1,1-Dichloroethane	3.69	63	161293	47.719	ug/l 100
22) cis-1,2-Dichloroethene	4.58	96	102643	46.333	ug/l 99
23) tert-Butyl Alcohol	3.03	59	110452	208.051	ug/l 100
24) Methyl tert-Butyl Ether	3.18	73	292917	47.739	ug/l 99
25) Chloroform	5.19	83	165567	47.371	ug/l 96
26) Cyclohexane	5.57	56	141822	46.175	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	122480	29.273	ug/l 99
30) 2-Butanone	4.65	43	372922	151.317	ug/l 99
31) 2,2-Dichloropropane	4.57	77	142707	30.150	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	146915	30.015	ug/l 98
33) Carbon Tetrachloride	5.77	117	126096	30.028	ug/l 99
34) Benzene	6.13	78	366512	29.506	ug/l 99
35) Methacrylonitrile	5.03	41	68145	28.197	ug/l 96
36) 1,2-Dichloroethane	6.18	62	132941	29.602	ug/l 99
37) Trichloroethene	7.20	130	100086	30.160	ug/l 97
38) Methylcyclohexane	7.45	83	153203	29.917	ug/l 99
39) 1,2-Dichloropropane	7.50	63	92845	29.763	ug/l 100
40) Dibromomethane	7.65	93	64244	30.326	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	128431	30.534	ug/l	100
42) Vinyl Acetate	3.80	43	1209060	149.810	ug/l	100
43) Ethyl Acetate	4.81	43	127277	28.696	ug/l	97
44) Isopropyl Acetate	6.43	43	208248	29.116	ug/l	100
45) 1,4-Dioxane	7.73	88	48886	556.125	ug/l	97
46) Methyl methacrylate	7.76	41	102577	29.343	ug/l	88
47) n-amyl Acetate	10.89	43	183756	30.175	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	139132	29.888	ug/l	94
49) cis-1,3-Dichloropropene	8.43	75	155598	30.298	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	95196	29.776	ug/l	98
51) Ethyl methacrylate	9.17	69	148817	29.596	ug/l	97
52) 1,3-Dichloropropane	9.37	76	160064	29.831	ug/l	100
53) Dibromochloromethane	9.57	129	100038	30.470	ug/l	99
54) 1,2-Dibromoethane	9.67	107	99001	29.440	ug/l	97
55) 2-Chloroethyl vinyl ether	8.30	63	344374	155.675	ug/l	100
56) Bromoform	10.85	173	68640	30.044	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	642313	143.343	ug/l	100
59) 2-Hexanone	9.48	43	529003	151.287	ug/l	100
61) Tetrachloroethene	9.33	164	98011	31.238	ug/l	95
62) Toluene	8.78	91	392735	29.345	ug/l	100
64) Chlorobenzene	10.14	112	249579	29.343	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	93855	30.043	ug/l	99
66) Ethyl Benzene	10.25	91	456275	29.871	ug/l	99
67) m/p-Xylenes	10.35	106	344466	59.941	ug/l	97
68) o-Xylene	10.70	106	168607	30.129	ug/l	98
69) Styrene	10.71	104	293848	30.502	ug/l	100
70) Isopropylbenzene	11.01	105	459312	30.730	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	141735	29.138	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	120775m	29.860	ug/l	
73) Bromobenzene	11.25	156	108704	30.493	ug/l	95
74) n-propylbenzene	11.35	91	506145	30.317	ug/l	100
75) 2-Chlorotoluene	11.42	91	312292	30.534	ug/l	96
76) 1,3,5-Trimethylbenzene	11.50	105	380137	29.888	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	47589	30.404	ug/l	93
78) 4-Chlorotoluene	11.51	91	345939	29.250	ug/l	99
79) tert-butylbenzene	11.77	119	352126	29.431	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	391728	30.884	ug/l	100
81) sec-Butylbenzene	11.94	105	441557	30.637	ug/l	99
82) p-Isopropyltoluene	12.06	119	409533	31.161	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	190448	29.475	ug/l	97
84) 1,4-Dichlorobenzene	12.09	146	202438	31.150	ug/l	97
85) n-Butylbenzene	12.38	91	341253	30.420	ug/l	99
86) Hexachloroethane	12.59	117	69563	30.544	ug/l	95
87) 1,2-Dichlorobenzene	12.38	146	196759	30.875	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.99	75	33173	29.699	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	123728	31.118	ug/l	99
90) Hexachlorobutadiene	13.78	225	57150	30.283	ug/l	97
91) Naphthalene	13.83	128	403071	29.805	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	122633	30.790	ug/l	99

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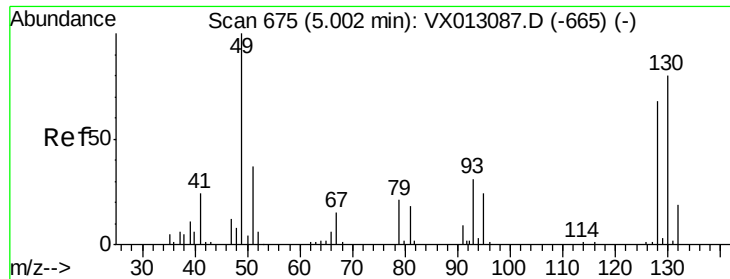
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 29930

Ion Ratio Lower Upper

128 100

49 154.8 0.0 382.3

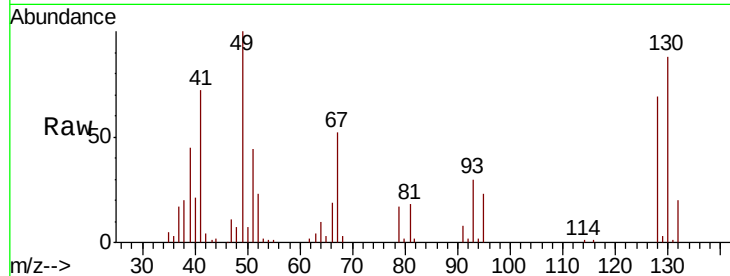
130 129.3 0.0 321.8

Manual Integrations

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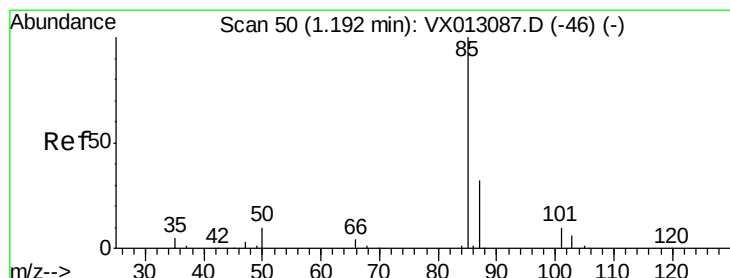
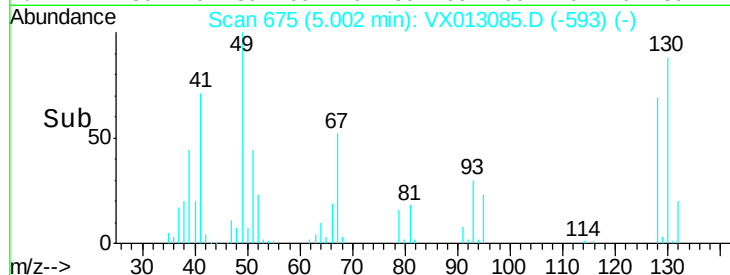
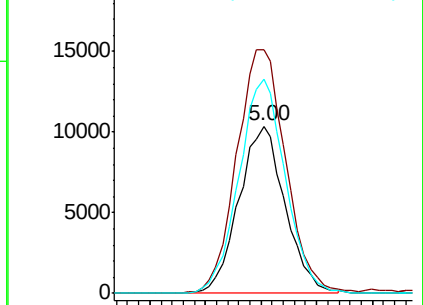
10/18/2019 4:51:35 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 40.251 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013085.D

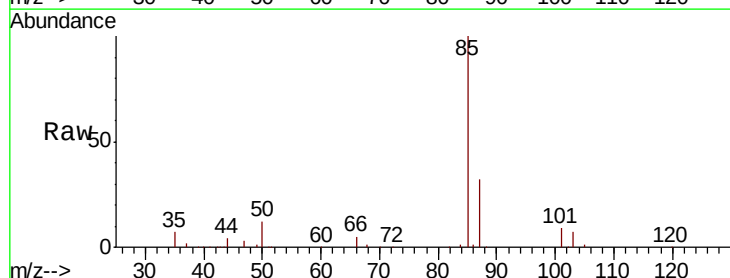
Acq: 16 Oct 2019 09:59

Tgt Ion: 85 Resp: 81221

Ion Ratio Lower Upper

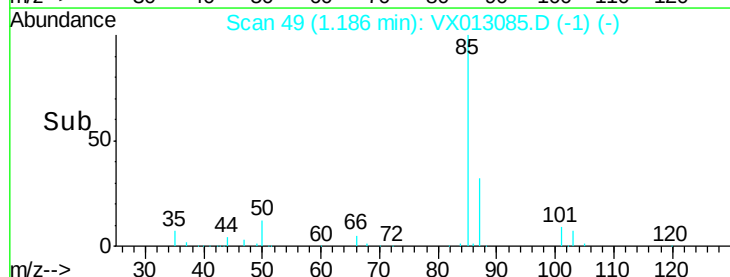
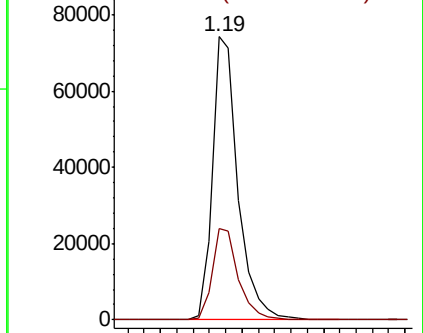
85 100

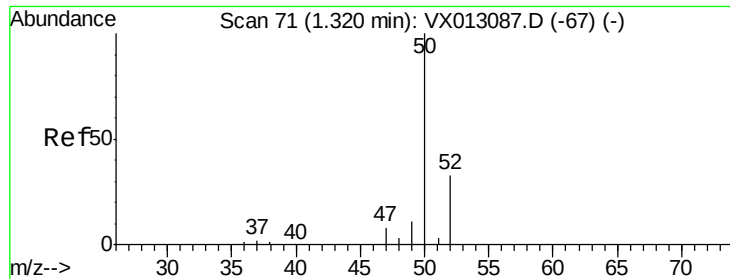
87 32.1 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 41.196 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 81595

Ion Ratio Lower Upper

50 100

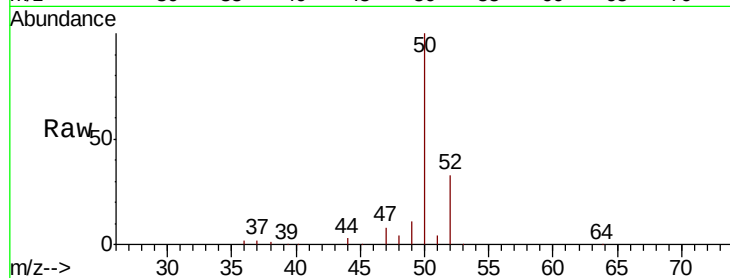
52 33.2 26.0 39.0

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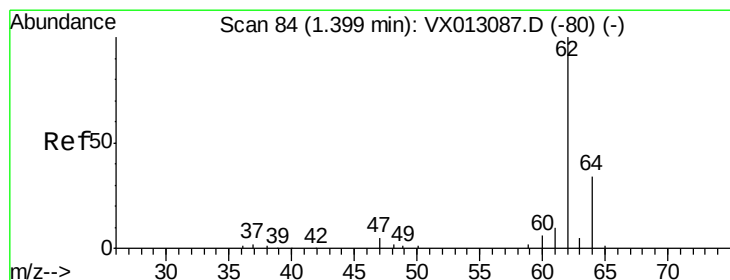
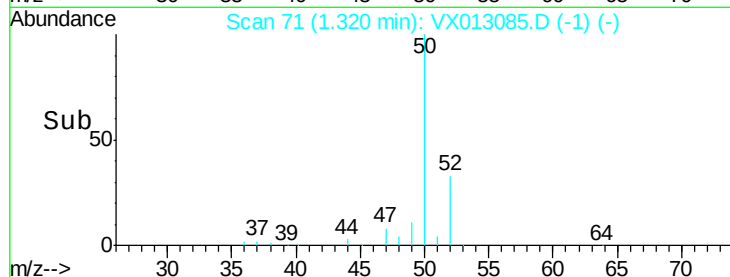
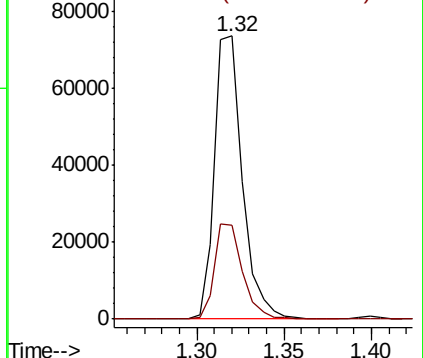
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 42.669 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013085.D

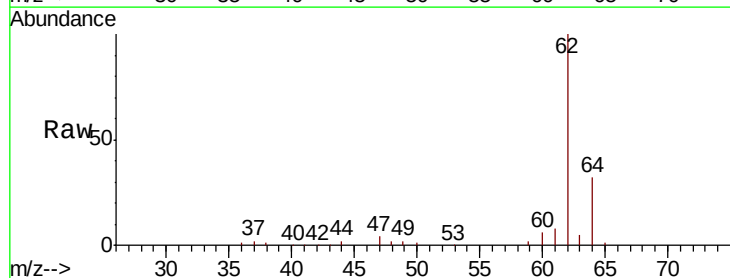
Acq: 16 Oct 2019 09:59

Tgt Ion: 62 Resp: 84302

Ion Ratio Lower Upper

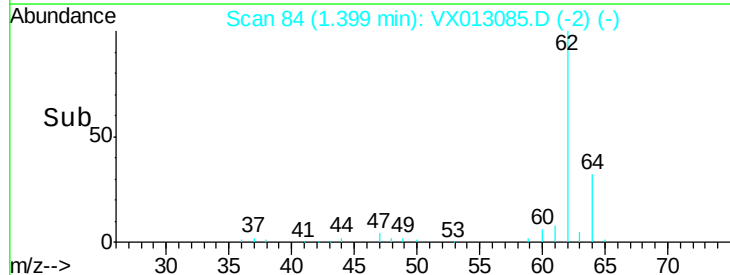
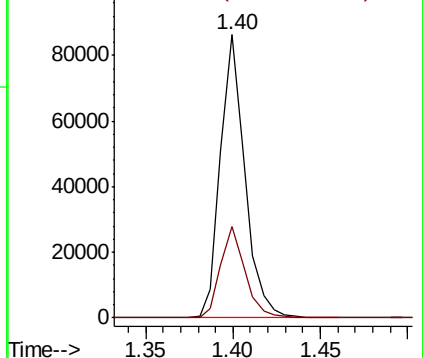
62 100

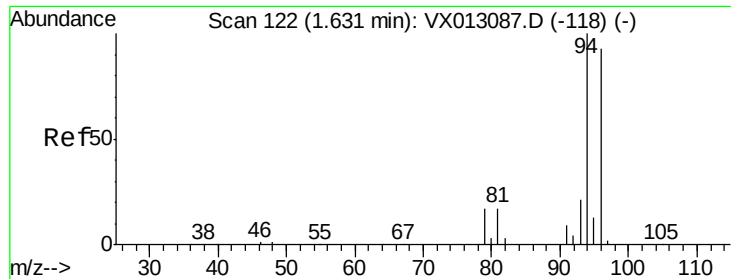
64 31.9 27.4 41.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 34.473 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 31830

Ion Ratio Lower Upper

94 100

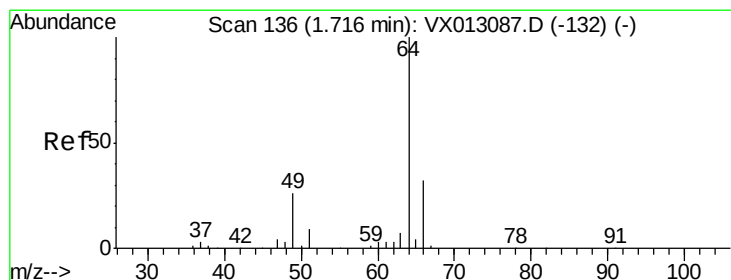
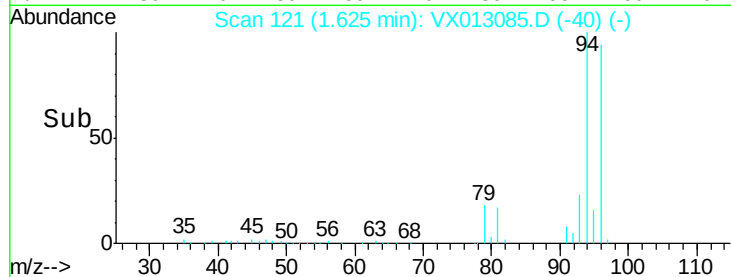
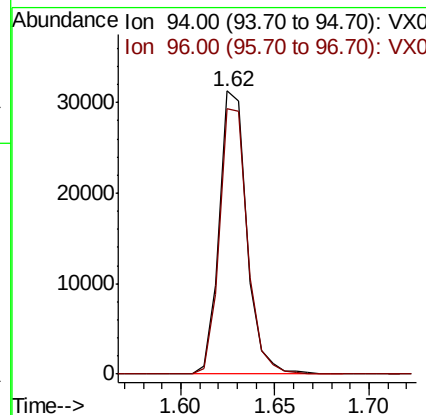
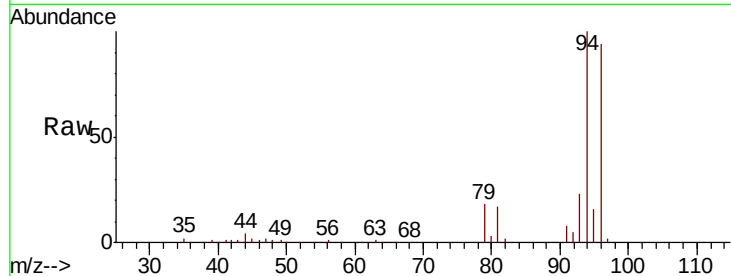
96 93.8 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 44.911 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX013085.D

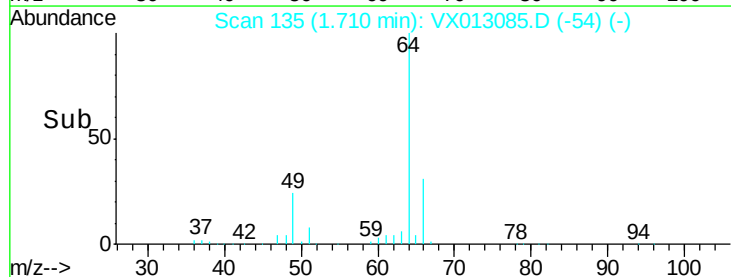
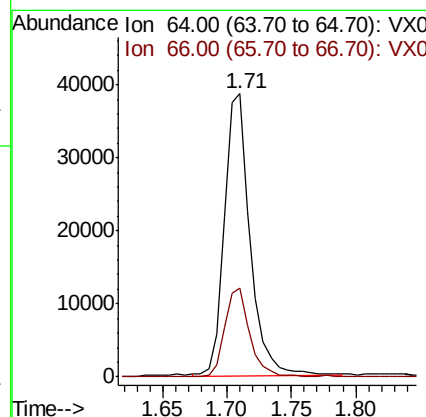
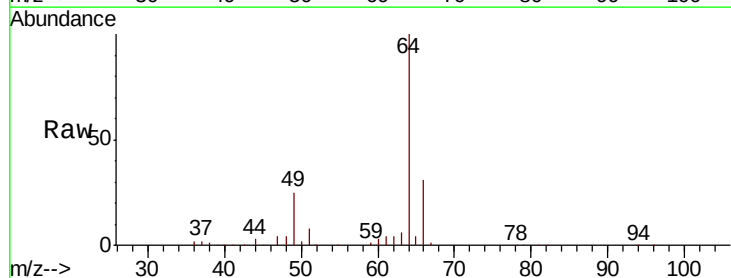
Acq: 16 Oct 2019 09:59

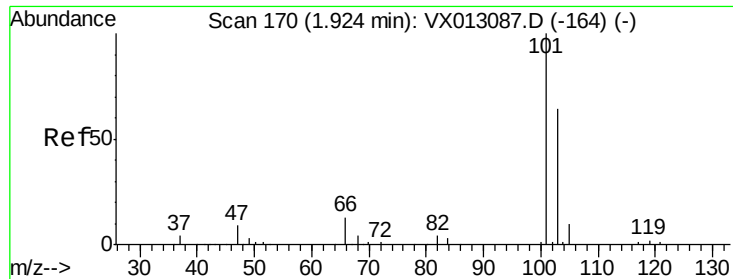
Tgt Ion: 64 Resp: 54552

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4





#7

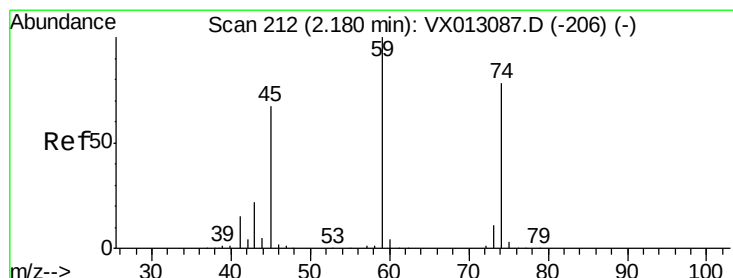
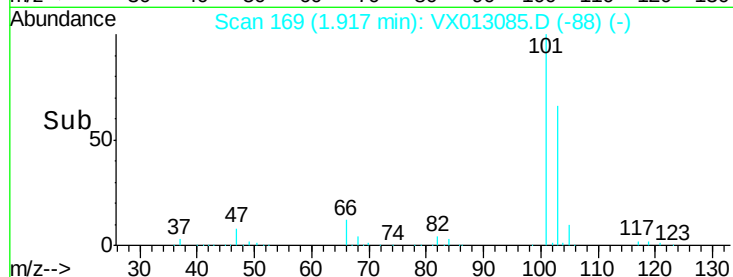
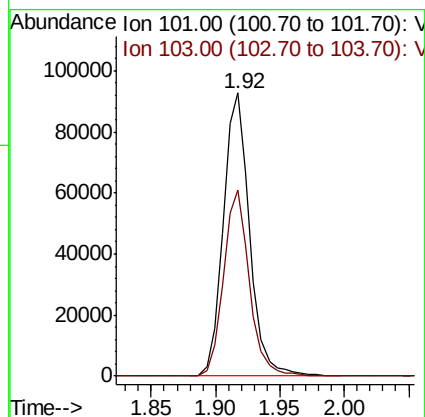
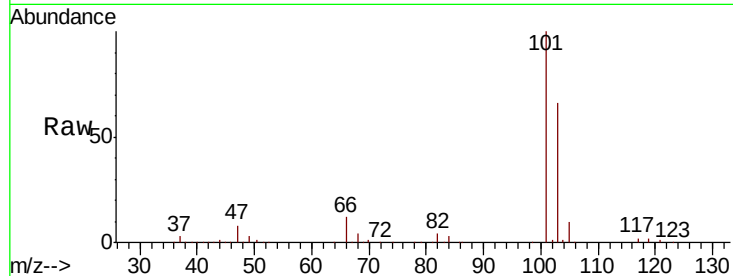
Trichlorofluoromethane
Concen: 45.919 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	50.9	76.3

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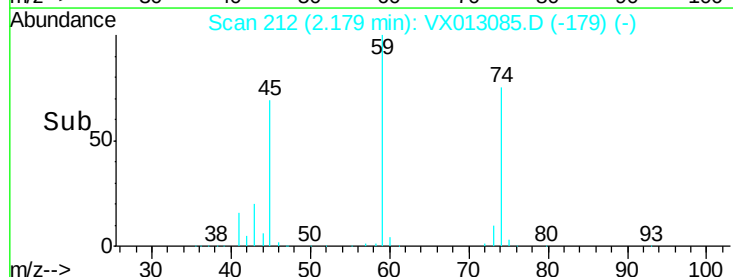
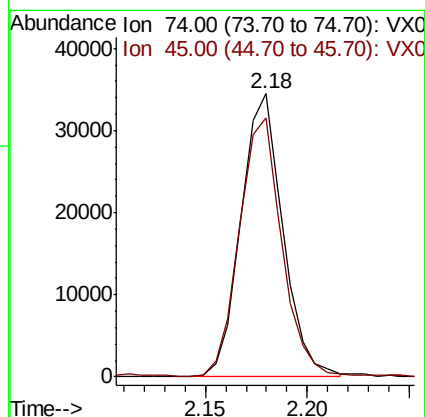
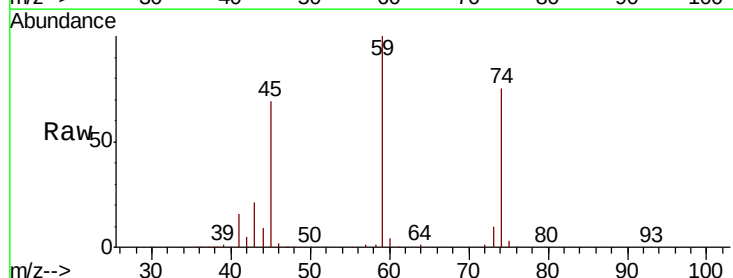
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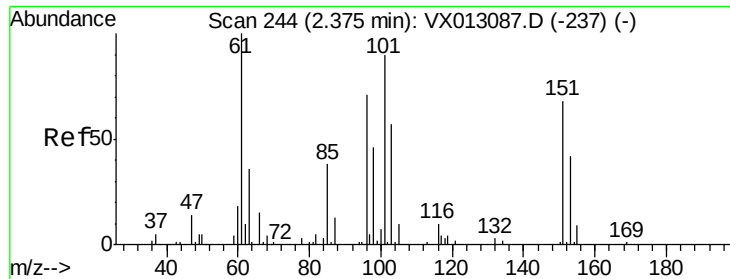


#8

Diethyl Ether
Concen: 45.990 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	18.2	163.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.108 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

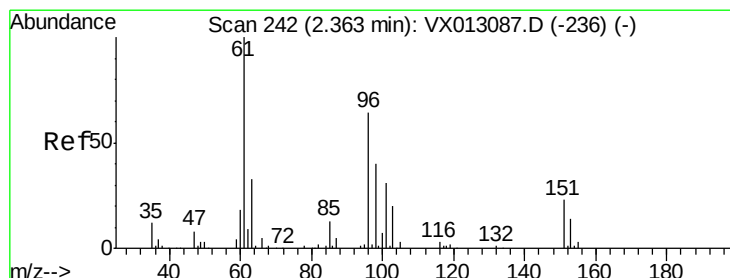
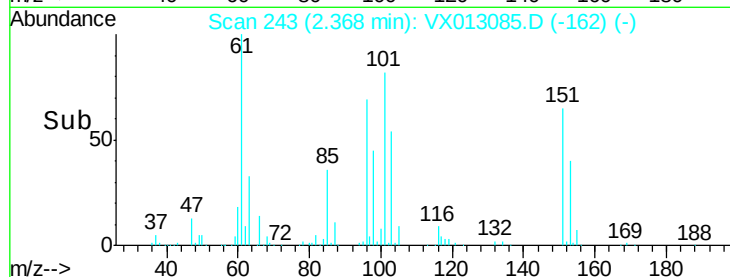
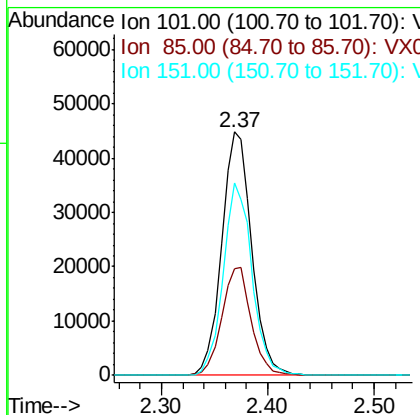
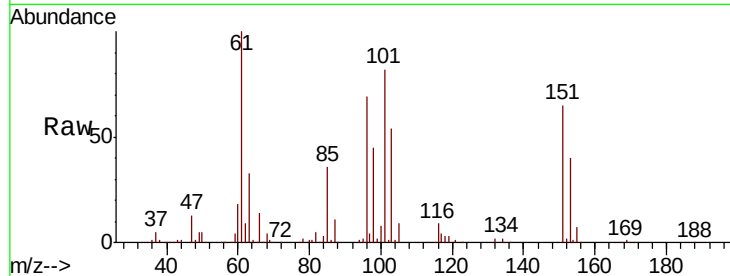
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	88037		
85	43.3	0.0	85.2	
151	76.1	0.0	157.0	

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#10

1,1-Dichloroethene

Concen: 45.095 ug/l

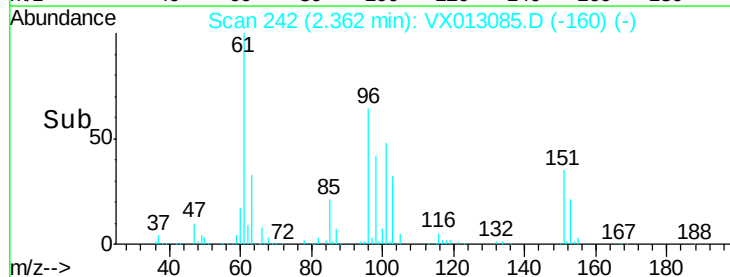
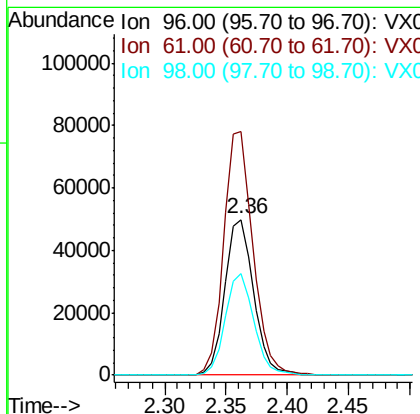
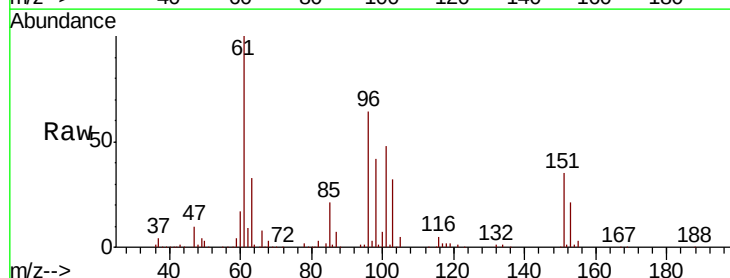
RT: 2.36 min Scan# 242

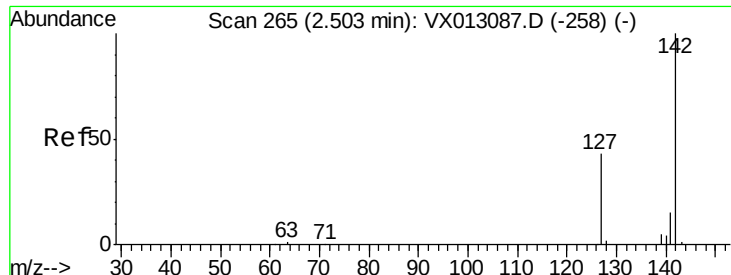
Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	81181		
61	156.4	124.2	186.2	
98	65.1	50.2	75.2	





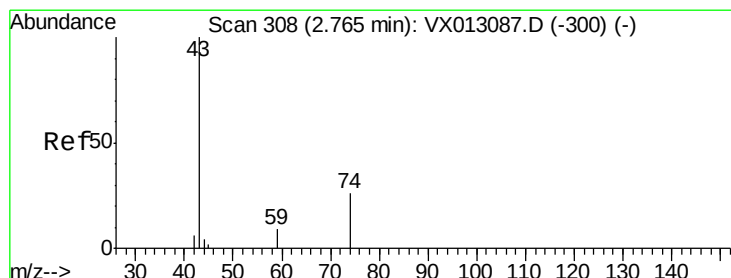
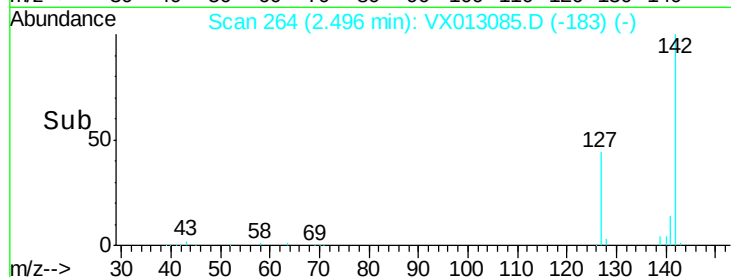
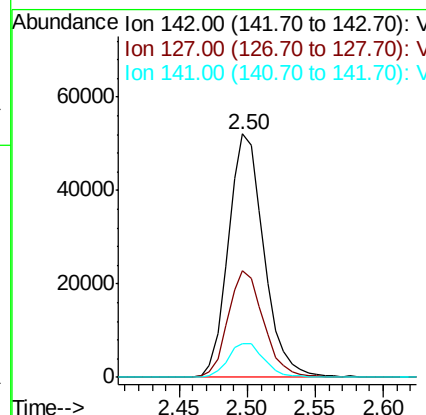
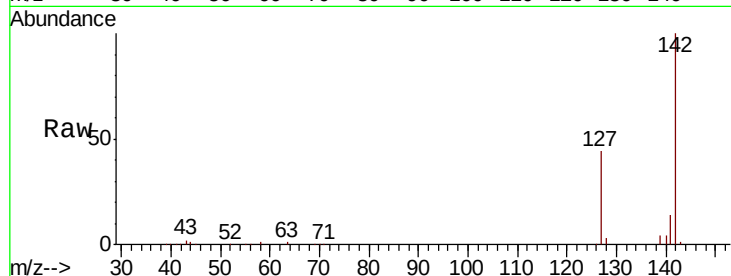
#11
Methyl Iodide
Concen: 42.946 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.7	21.4	64.2
141	14.1	7.3	21.9

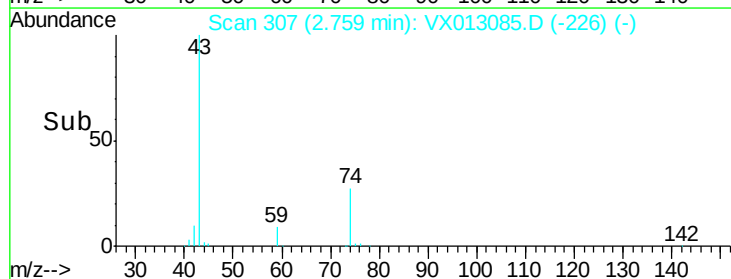
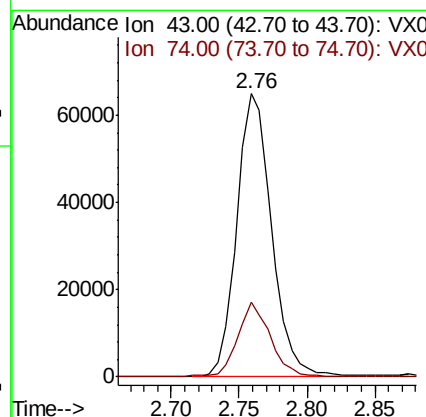
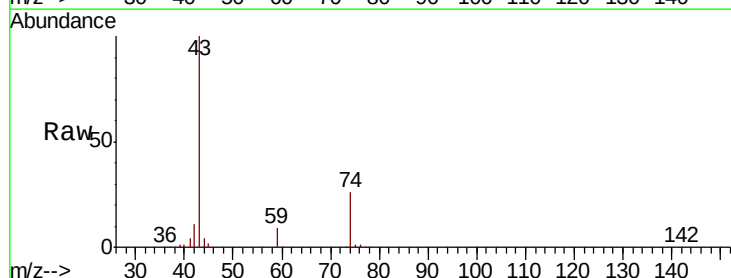
Manual Integrations
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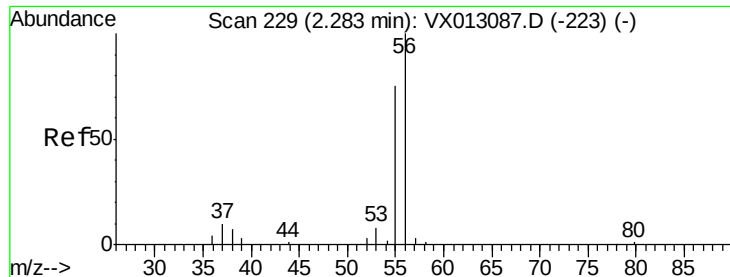
MMDadoda
10/18/2019 4:51:35 PM



#12
Methyl Acetate
Concen: 45.732 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.9	31.3





#13

Acrolein

Concen: 248.844 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 90144

Ion Ratio Lower Upper

56 100

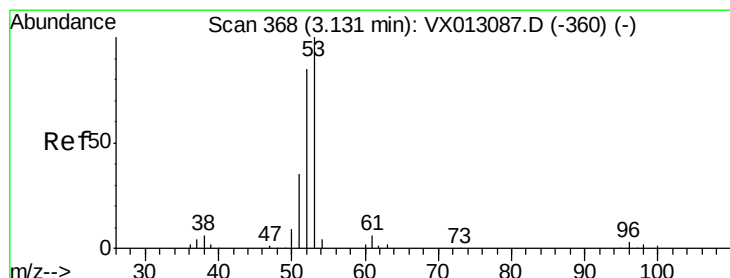
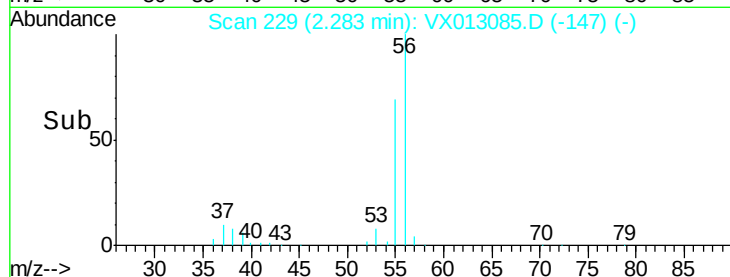
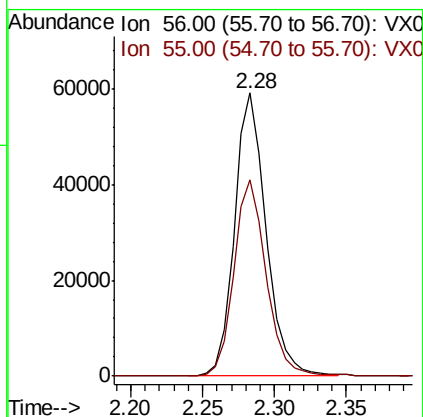
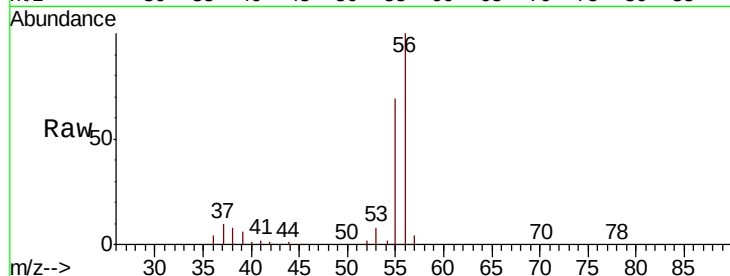
55 71.1 57.8 86.8

Manual Integrations

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#14

Acrylonitrile

Concen: 230.961 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

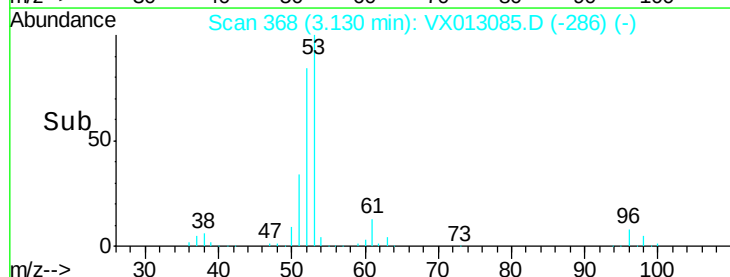
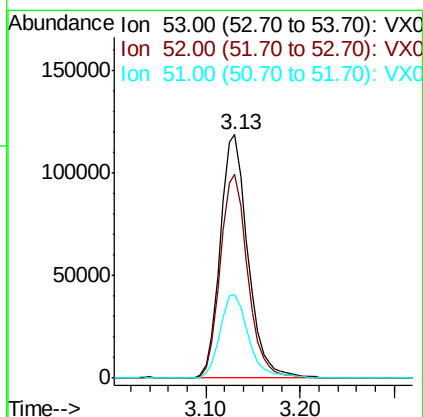
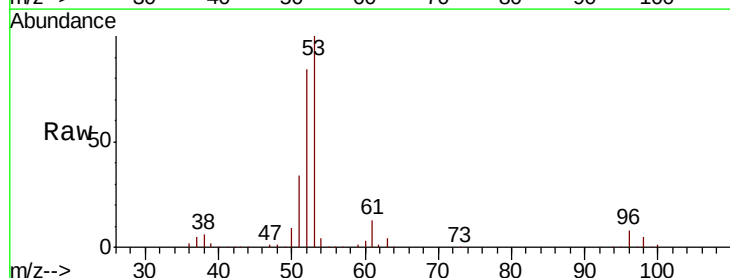
Tgt Ion: 53 Resp: 242686

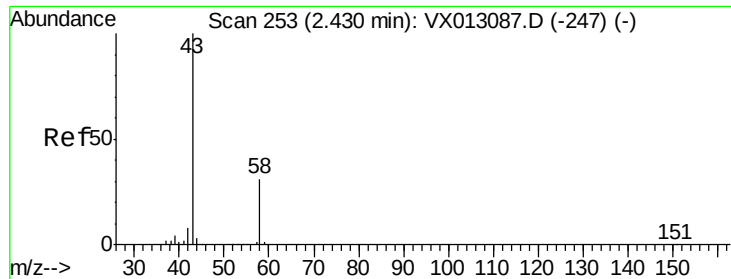
Ion Ratio Lower Upper

53 100

52 83.1 41.4 124.2

51 35.7 18.1 54.4





#15

Acetone

Concen: 253.637 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 58 Resp: 94350

Ion Ratio Lower Upper

58 100

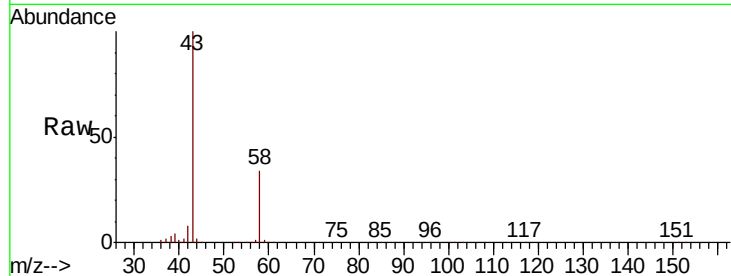
43 297.4 259.5 389.3

Manual Integrations

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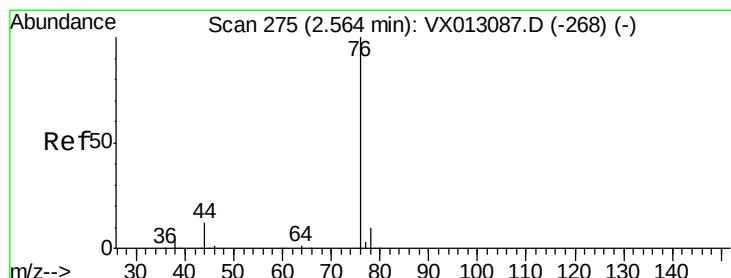
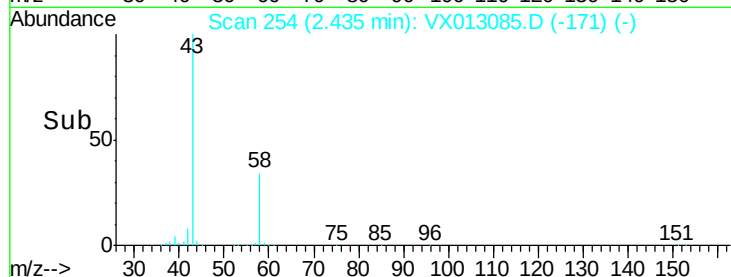
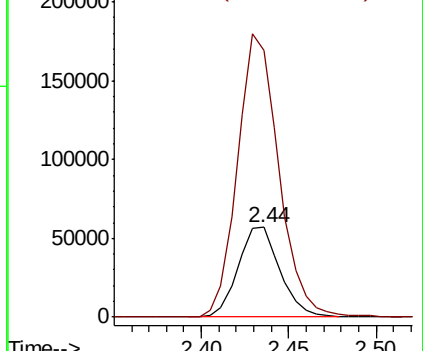
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 40.513 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013085.D

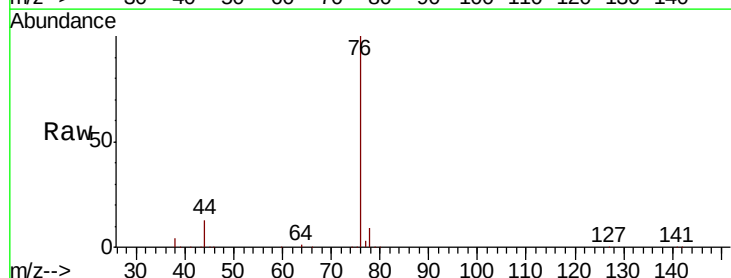
Acq: 16 Oct 2019 09:59

Tgt Ion: 76 Resp: 197229

Ion Ratio Lower Upper

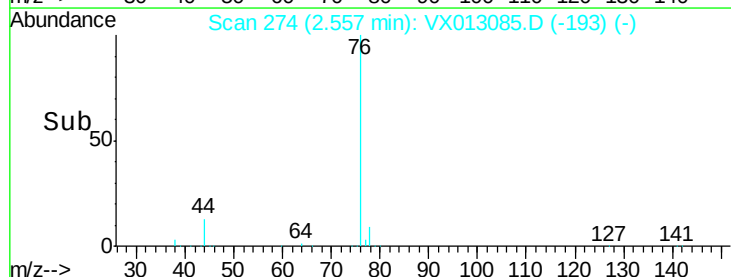
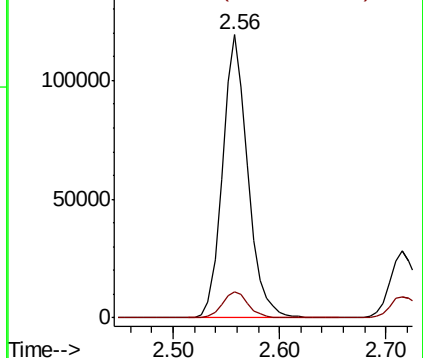
76 100

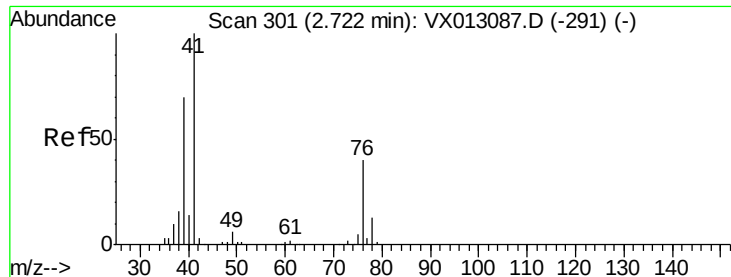
78 9.3 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





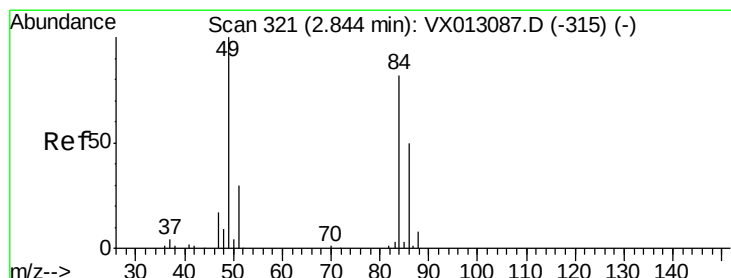
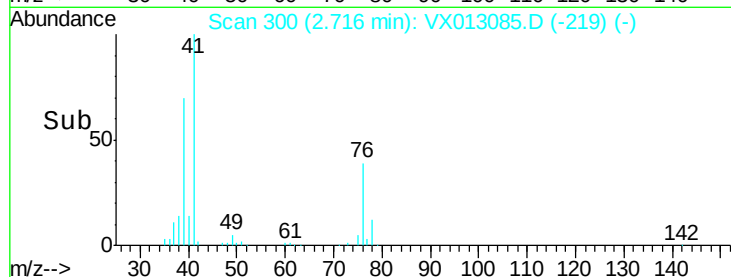
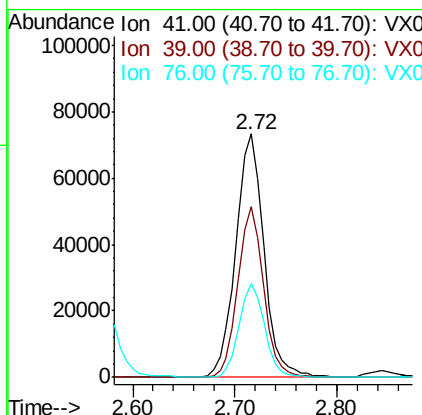
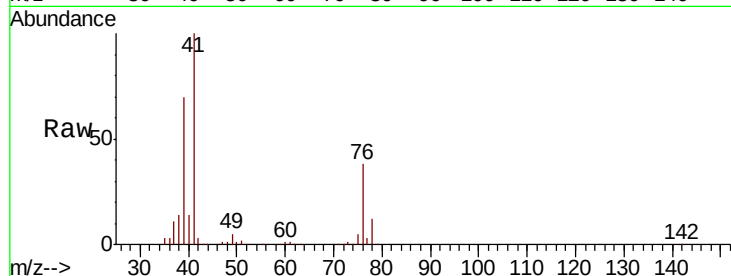
#17
Allvl chloride
Concen: 45.869 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.01 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	140131
Ion	Ratio	Lower	Upper
41	100		
39	69.9	34.8	104.5
76	38.3	20.2	60.5

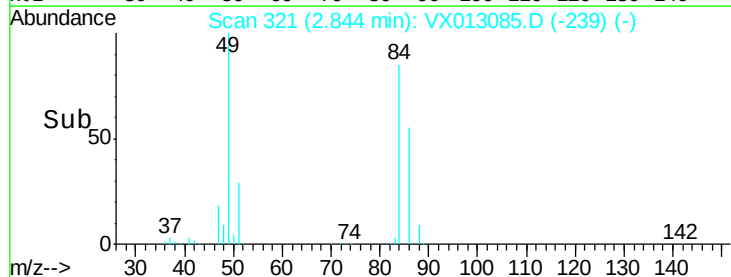
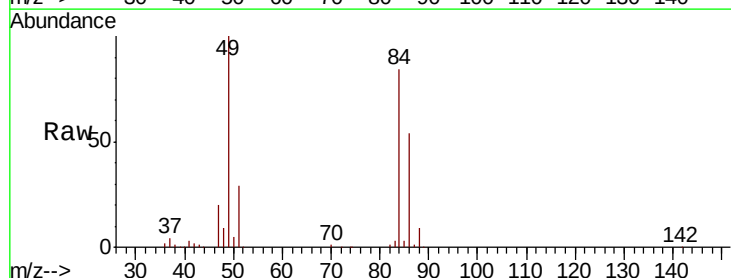
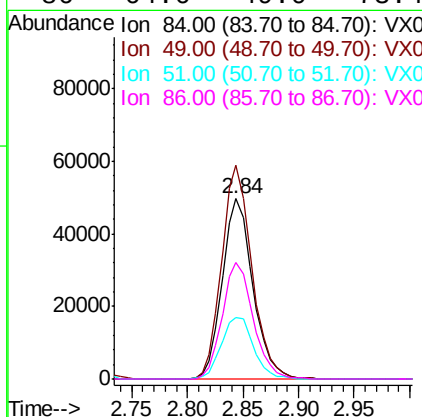
Manual Integrations
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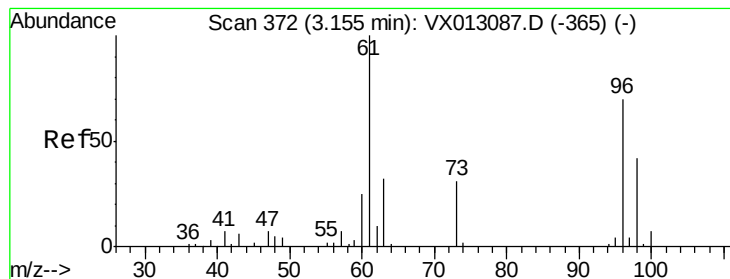
MMDadoda
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#18
Methylene Chloride
Concen: 46.274 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion:	84	Resp:	94771
Ion	Ratio	Lower	Upper
84	100		
49	118.5	97.8	146.6
51	34.3	29.2	43.8
86	64.6	49.0	73.4





#19

trans-1,2-Dichloroethene

Concen: 45.393 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

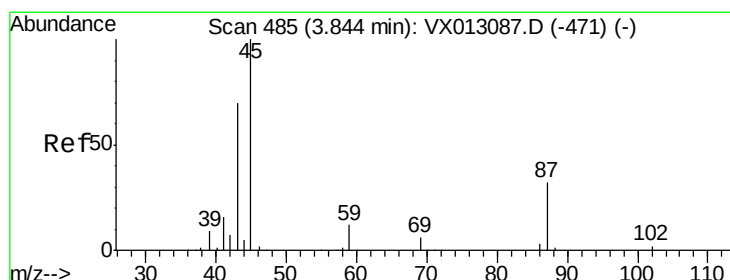
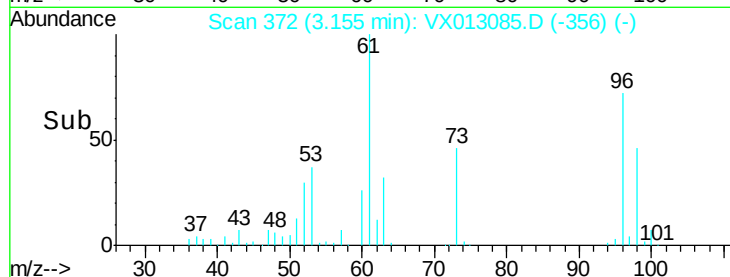
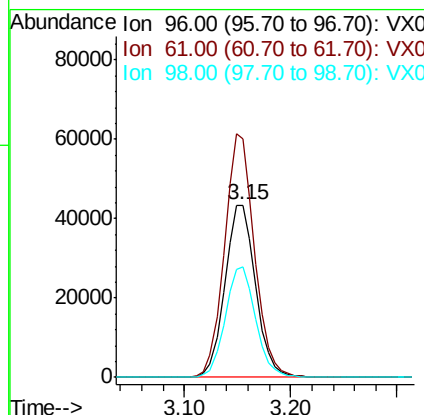
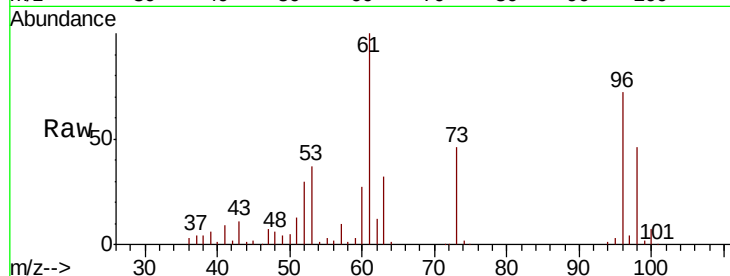
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	87500
Ion	Ratio	Lower	Upper
96	100		
61	138.7	113.9	170.9
98	64.3	48.1	72.1

Manual Integrations
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#20

Diisopropyl ether

Concen: 48.471 ug/l

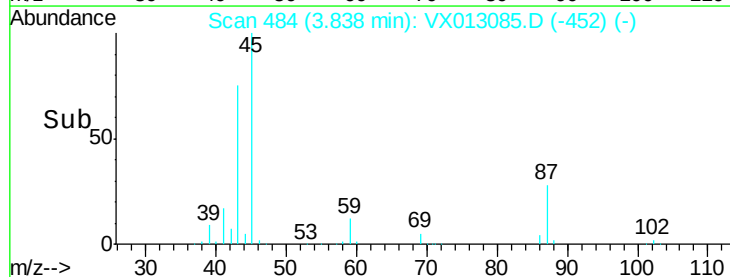
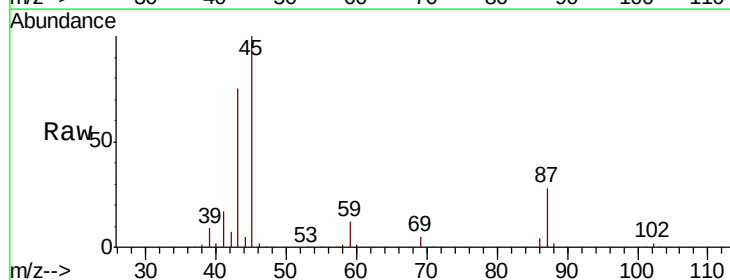
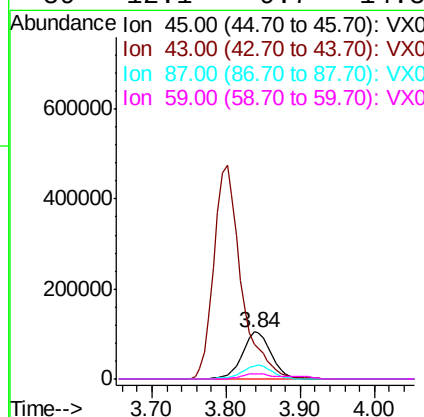
RT: 3.84 min Scan# 484

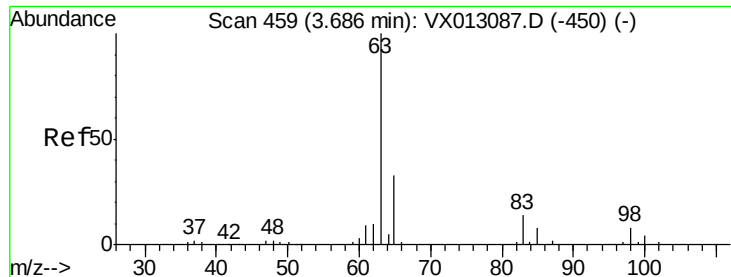
Delta R.T. -0.01 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Tgt Ion:	45	Resp:	284095
Ion	Ratio	Lower	Upper
45	100		
43	74.3	57.5	86.3
87	28.3	25.3	37.9
59	12.1	9.7	14.5





#21

1,1-Dichloroethane

Concen: 47.719 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

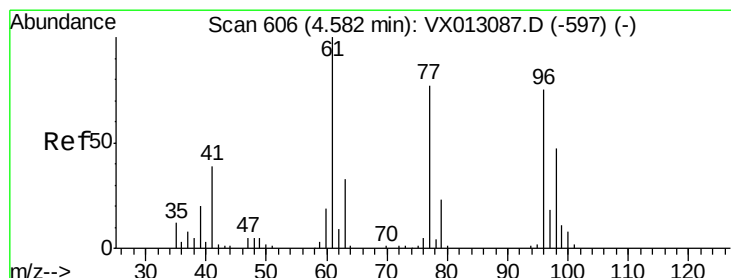
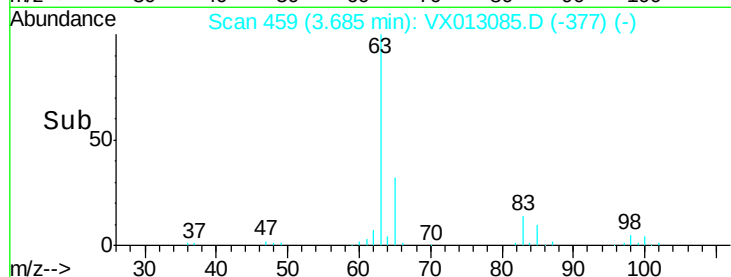
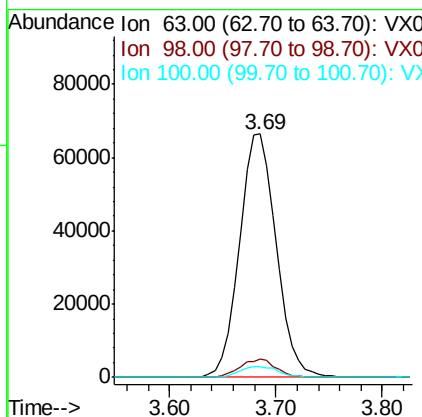
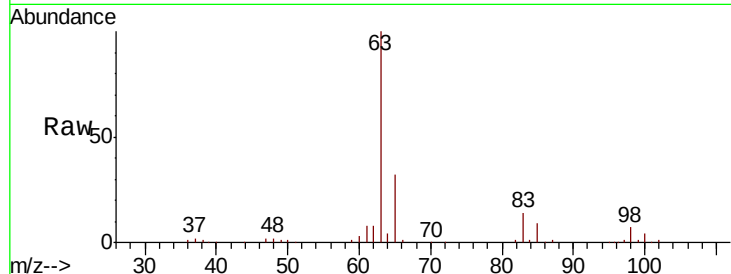
ClientSampleId :

VSTDCCC050

Tot Ion:	63	Resp:	161293
Ion Ratio	Lower	Upper	
63	100		
98	7.5	3.8	11.4
100	4.4	2.1	6.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 46.333 ug/l

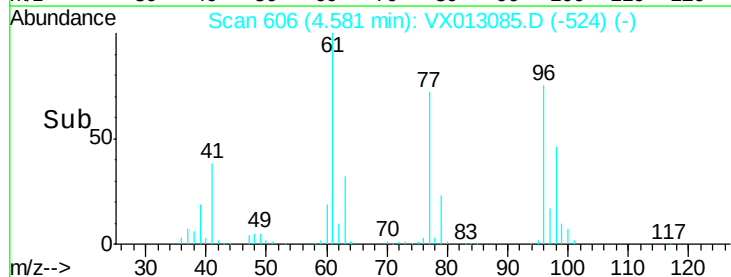
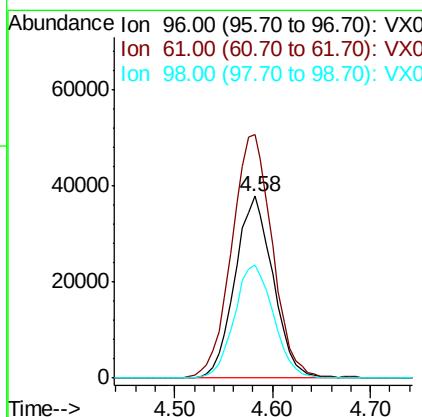
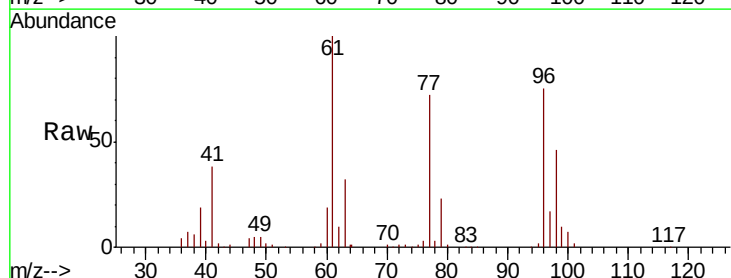
RT: 4.58 min Scan# 606

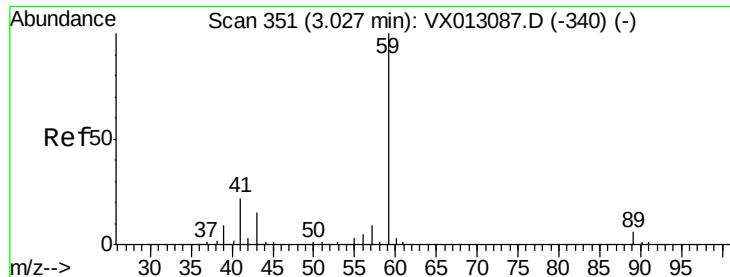
Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Tgt Ion:	96	Resp:	102643
Ion Ratio	Lower	Upper	
96	100		
61	142.2	115.0	172.4
98	63.7	51.5	77.3





#23

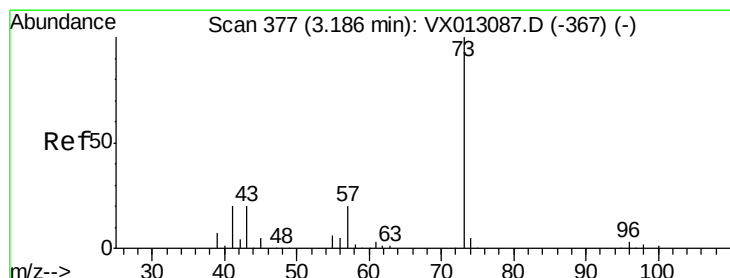
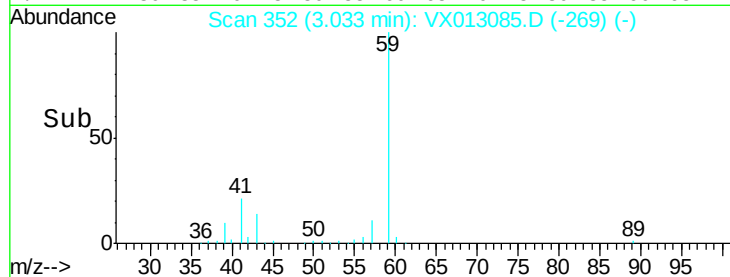
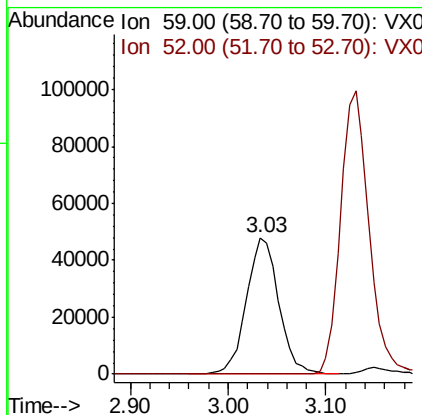
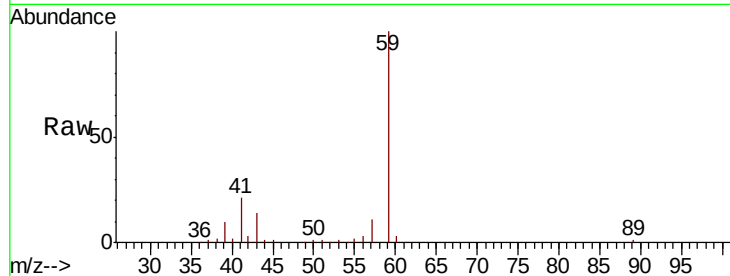
tert-Butyl Alcohol
 Concen: 208.051 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

Manual Integrations
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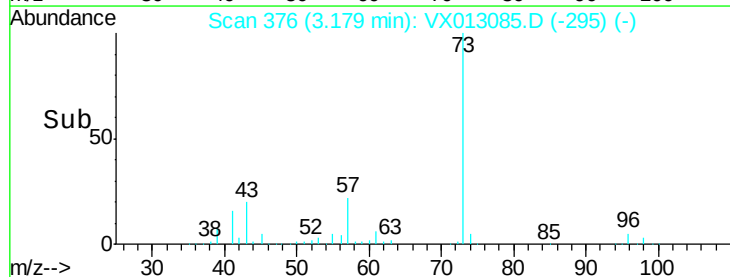
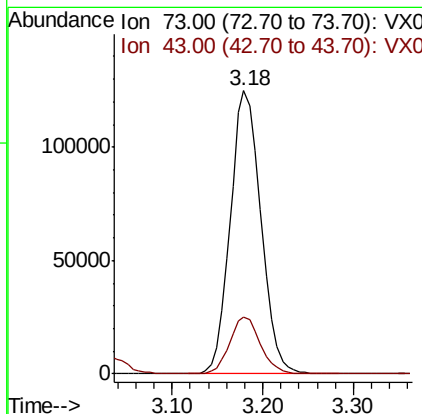
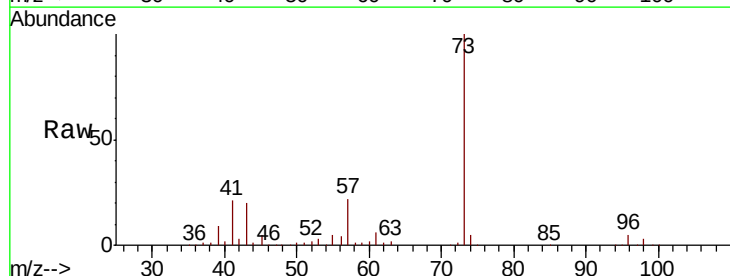
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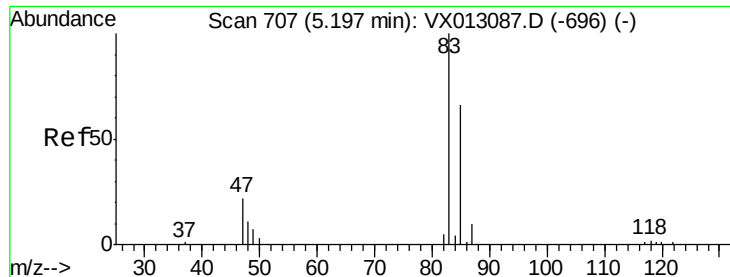


#24

Methyl tert-Butyl Ether
 Concen: 47.739 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.1	15.8	23.8





#25

Chloroform

Concen: 47.371 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.01 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 165567

Ion Ratio Lower Upper

83 100

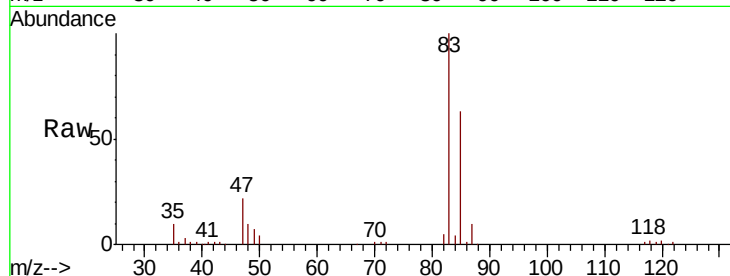
85 63.4 53.0 79.6

Manual Integrations

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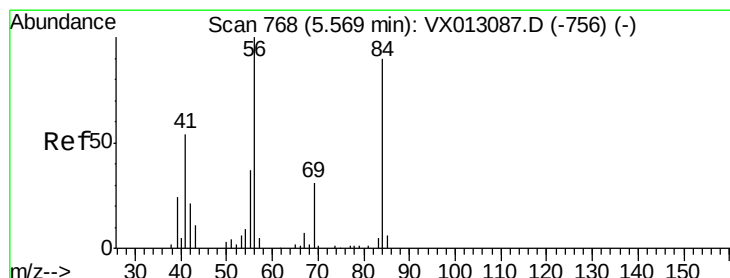
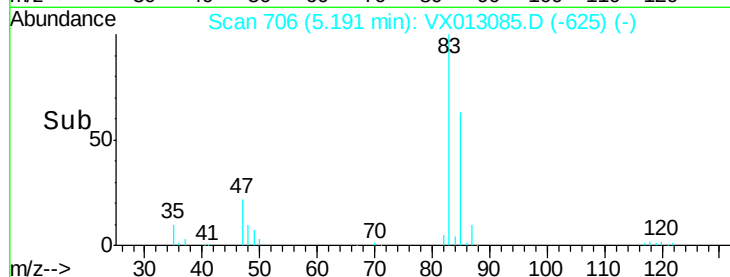
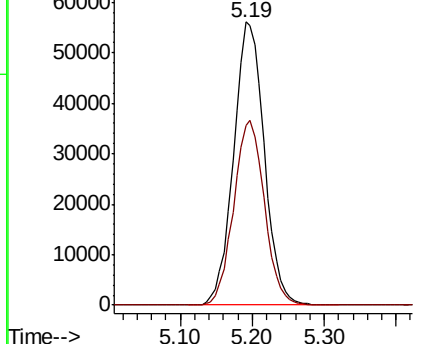
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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 46.175 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

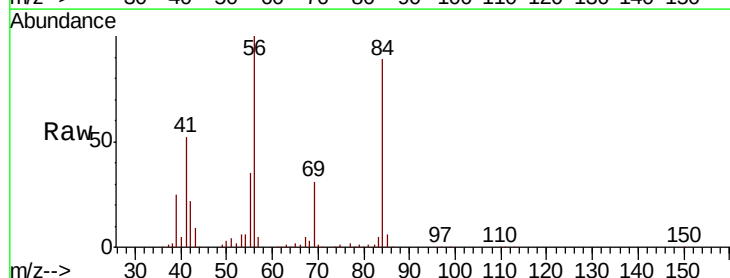
Tgt Ion: 56 Resp: 141822

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

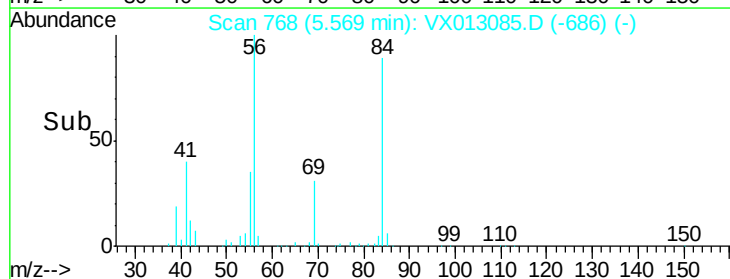
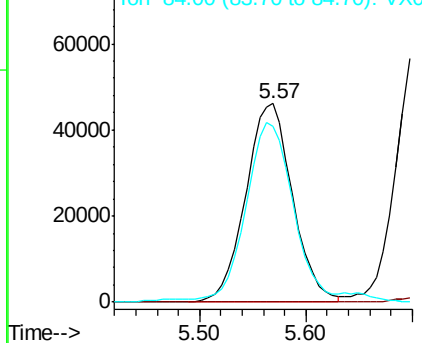
84 91.0 71.3 106.9

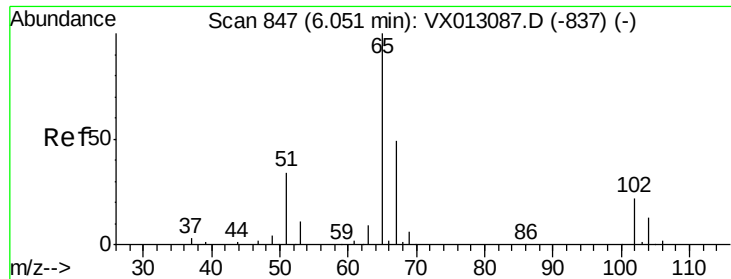


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





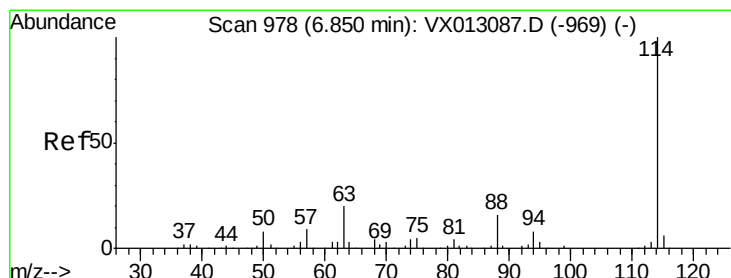
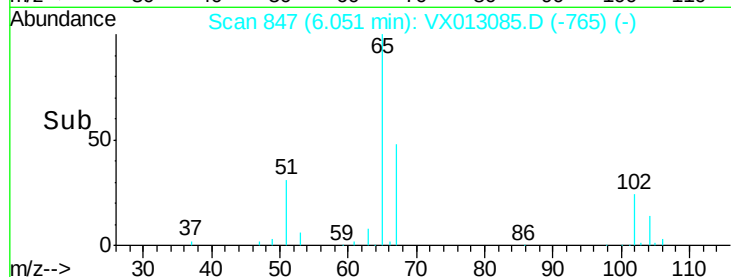
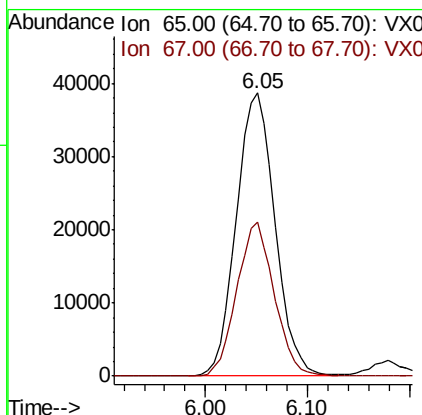
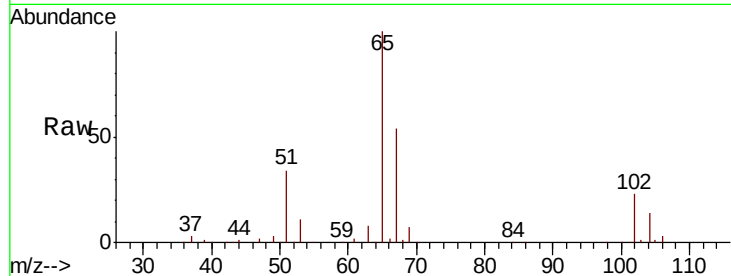
#27
 1,2-Dichloroethane-d4
 Concen: 44.450 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 102017
 Ion Ratio Lower Upper
 65 100
 67 52.6 41.2 61.8

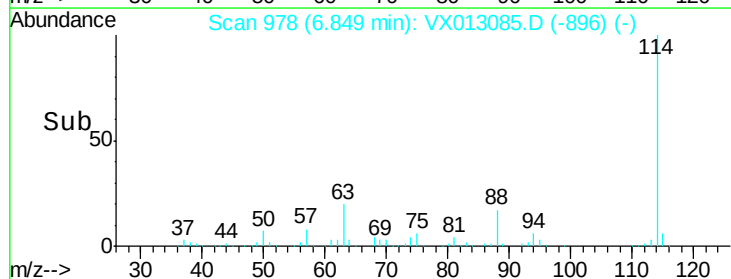
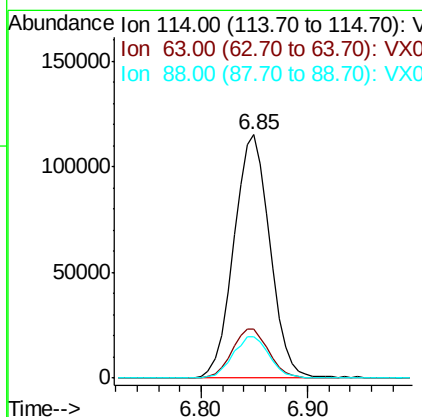
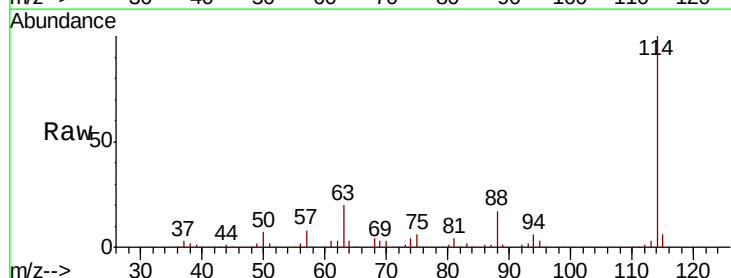
Manual Integrations
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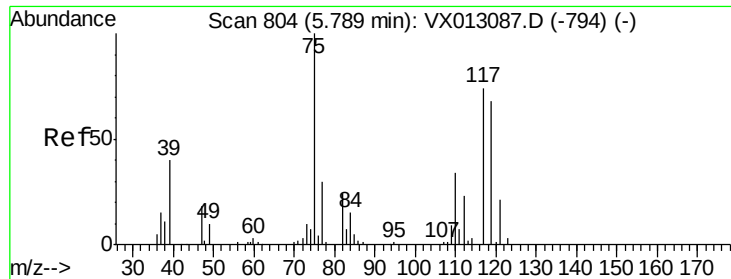
MMDadoda
 10/18/2019 4:51:35 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Tgt Ion: 114 Resp: 274304
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.5 24.7
 88 17.2 13.6 20.4





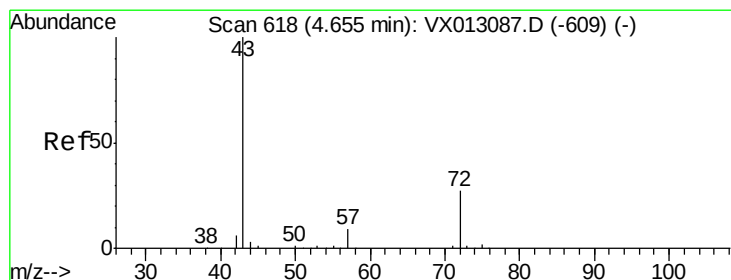
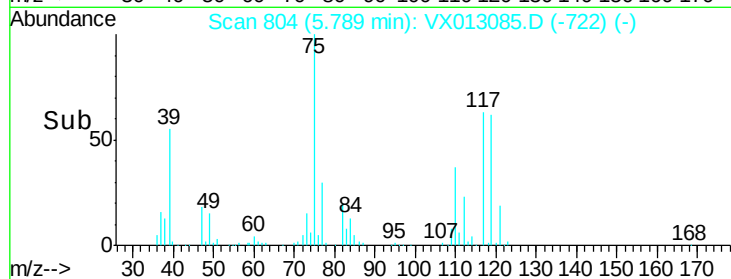
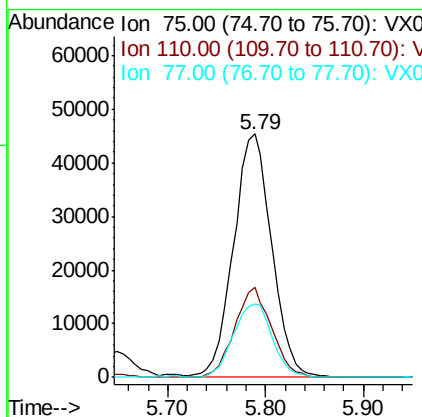
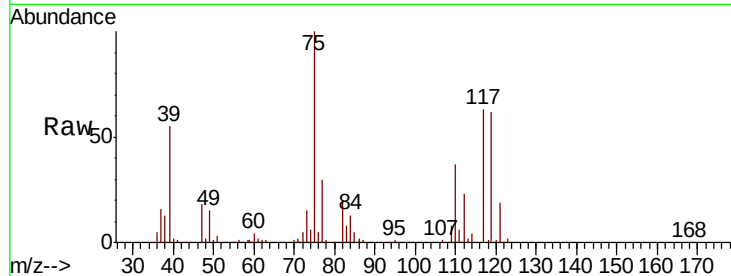
#29
 1,1-Dichloropropene
 Concen: 29.273 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.9	0.0	72.2
77	30.6	0.0	62.8

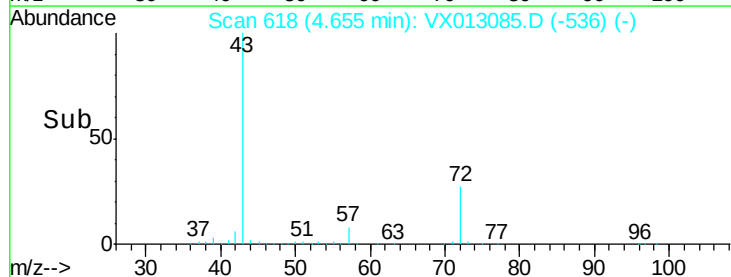
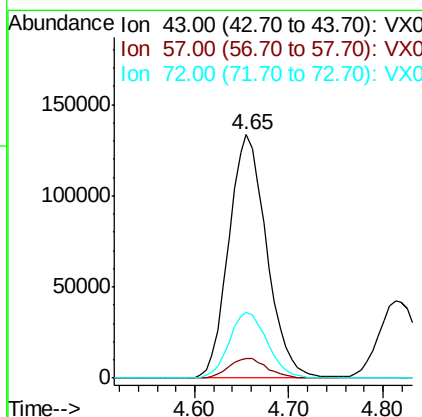
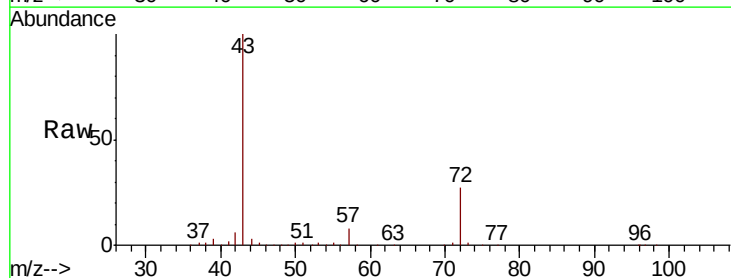
Manual Integrations
 APPROVED

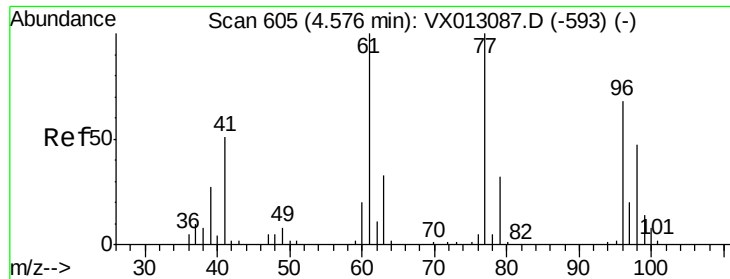
MMDadoda
 10/18/2019 4:51:35 PM



#30
 2-Butanone
 Concen: 151.317 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.9	10.3
72	27.3	22.1	33.1





#31

2,2-Dichloropropane

Concen: 30.150 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 77 Resp: 142707

Ion Ratio Lower Upper

77 100

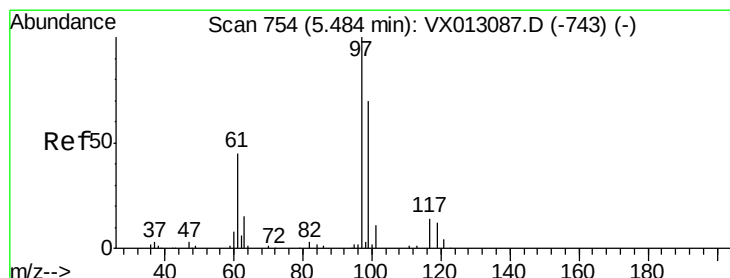
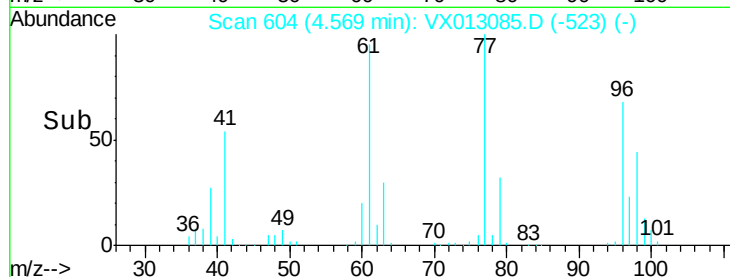
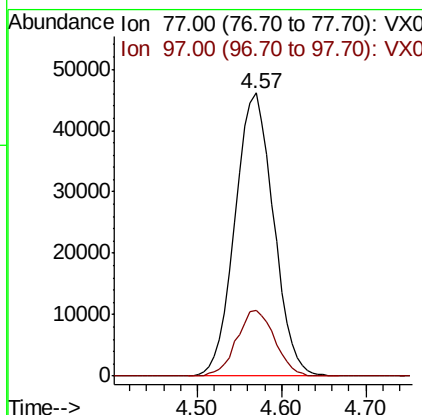
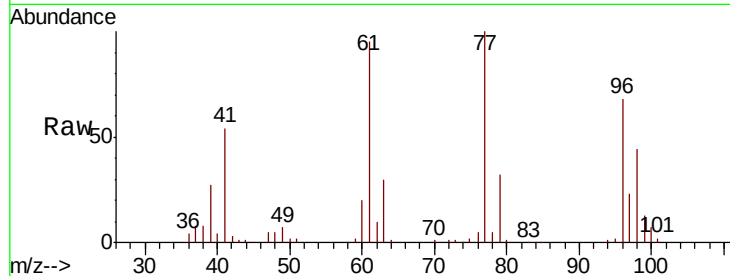
97 22.9 17.8 26.6

Manual Integrations

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MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 30.015 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

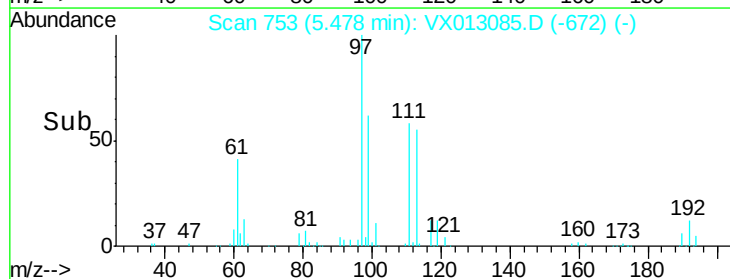
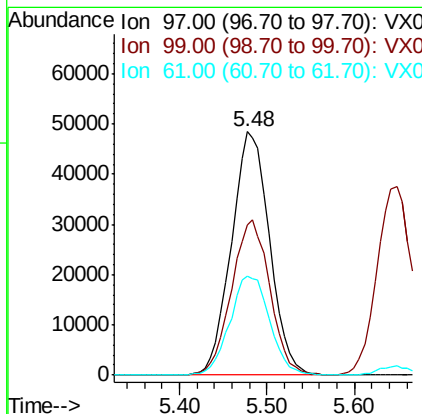
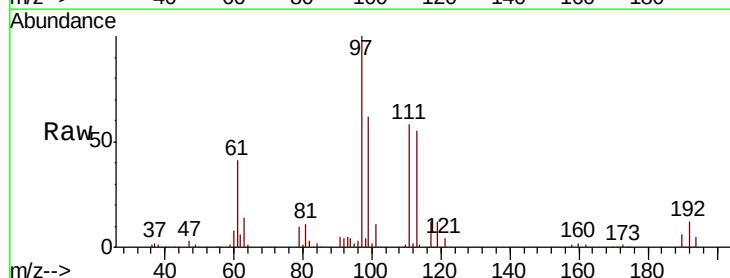
Tgt Ion: 97 Resp: 146915

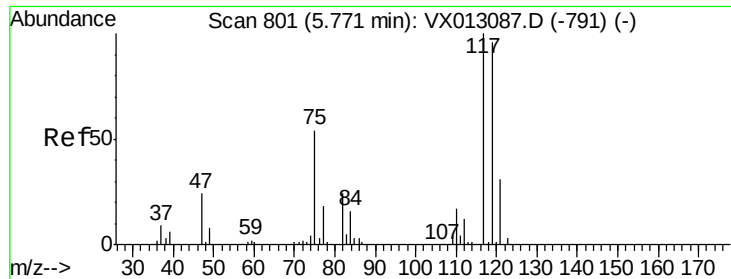
Ion Ratio Lower Upper

97 100

99 64.1 52.4 78.6

61 42.3 35.1 52.7





#33

Carbon Tetrachloride

Concen: 30.028 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

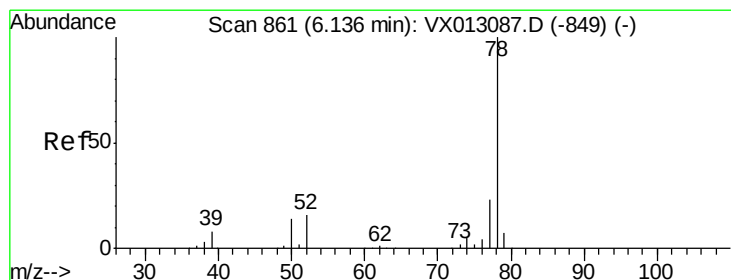
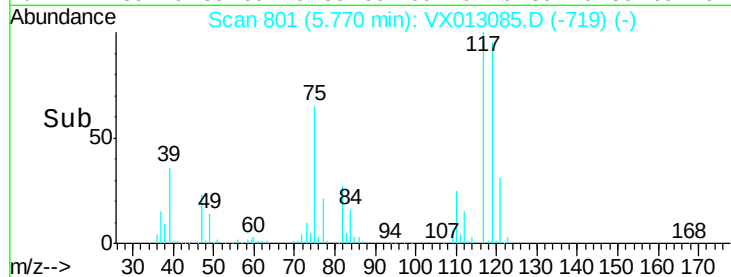
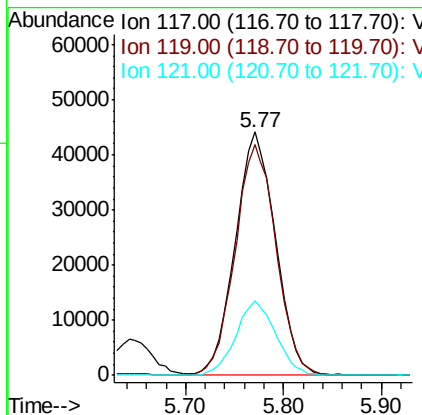
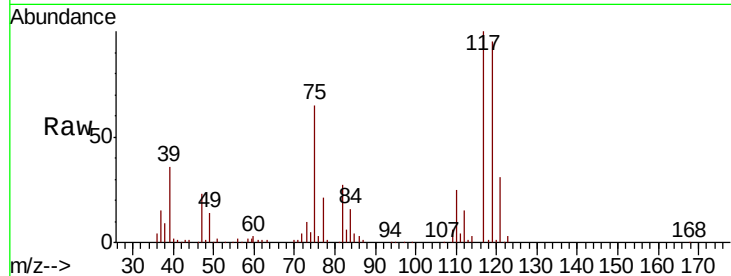
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	126096
Ion Ratio	Lower	Upper	
117	100		
119	94.6	77.0	115.4
121	30.8	24.6	36.8

Manual Integrations
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#34

Benzene

Concen: 29.506 ug/l

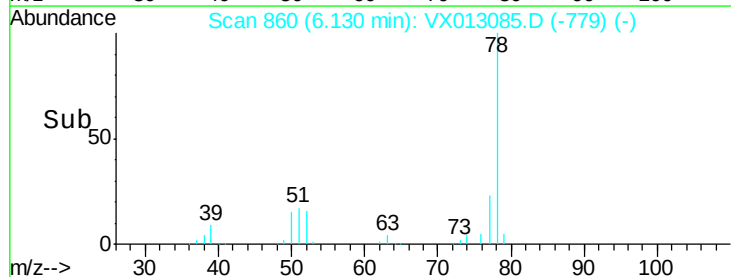
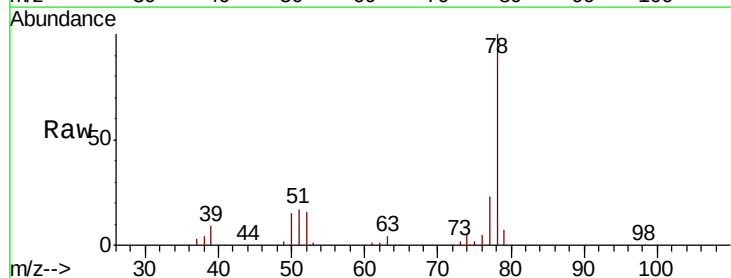
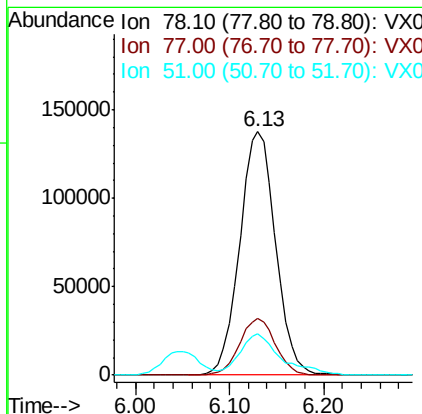
RT: 6.13 min Scan# 860

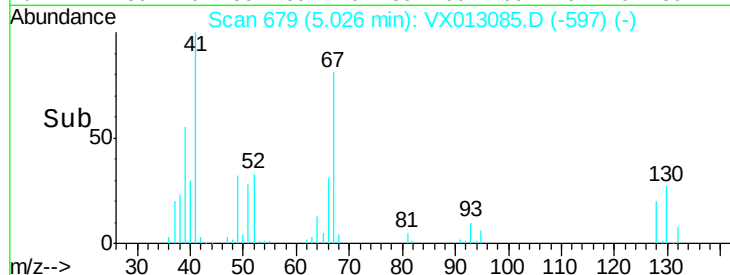
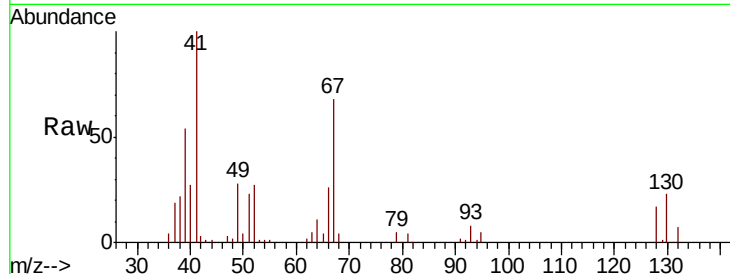
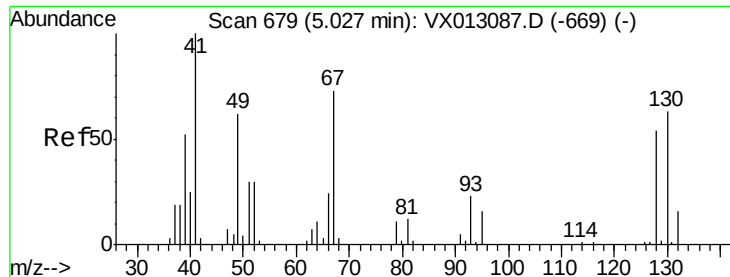
Delta R.T. -0.01 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

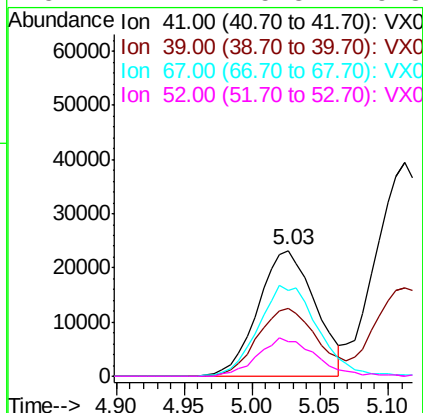
Tgt Ion:	78	Resp:	366512
Ion Ratio	Lower	Upper	
78	100		
77	23.1	18.5	27.7
51	16.4	12.1	18.1





#35
Methacrylonitrile
Concen: 28.197 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

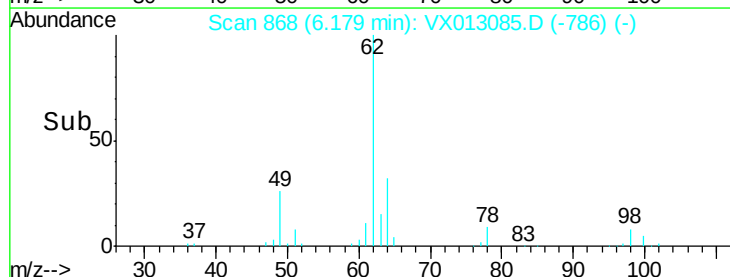
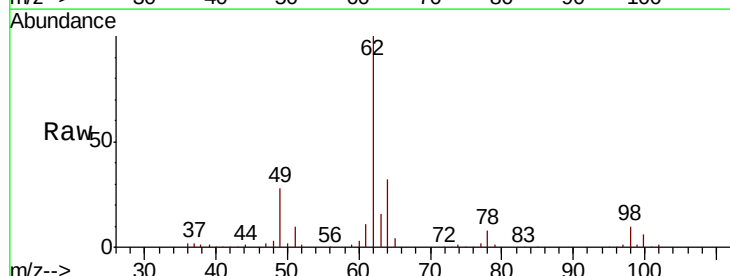
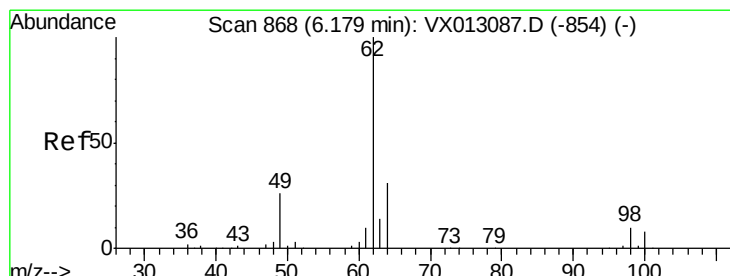
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.9	26.3	78.8	
67	68.3	36.5	109.5	
52	27.1	15.3	45.8	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

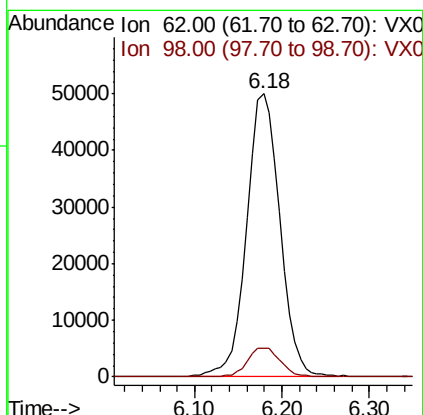
Manual Integrations
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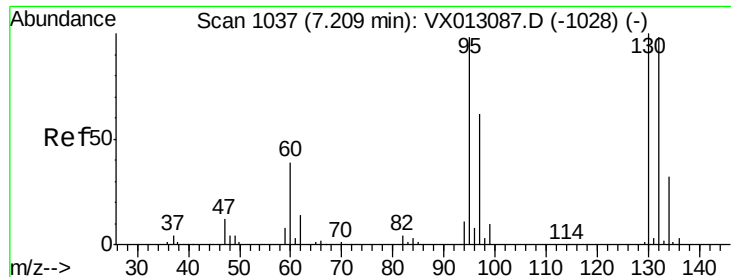
MMDadoda
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#36
1,2-Dichloroethane
Concen: 29.602 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	7.8	11.6	





#37

Trichloroethene

Concen: 30.160 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:130 Resp: 100086

Ion Ratio Lower Upper

130 100

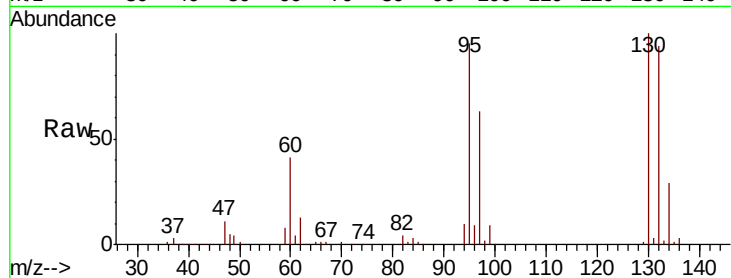
95 95.3 78.4 117.6

Manual Integrations

APPROVED

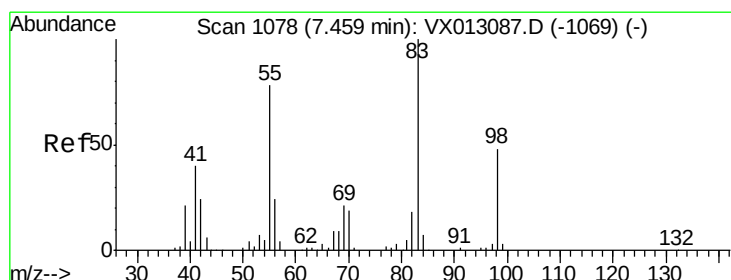
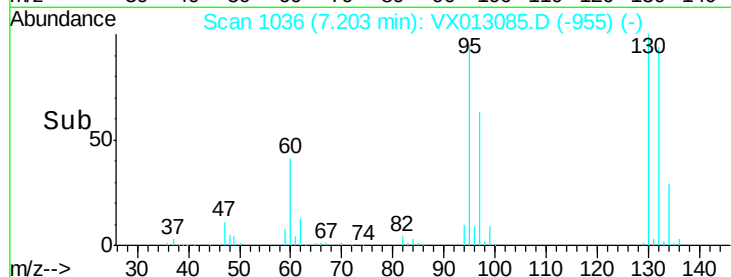
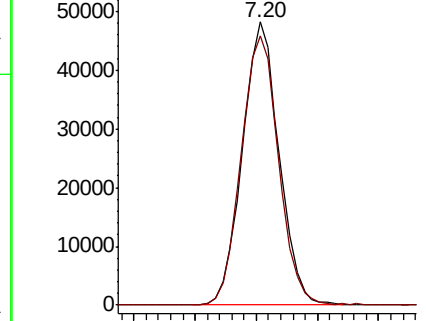
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 29.917 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

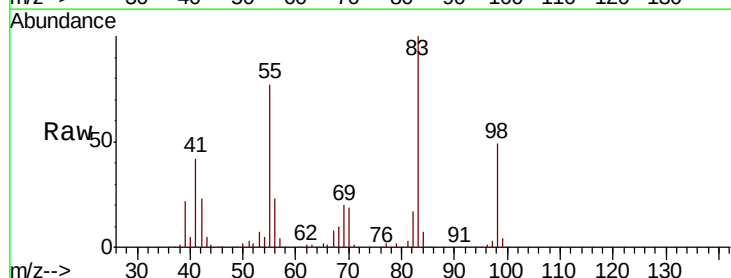
Tgt Ion: 83 Resp: 153203

Ion Ratio Lower Upper

83 100

55 74.8 38.3 114.8

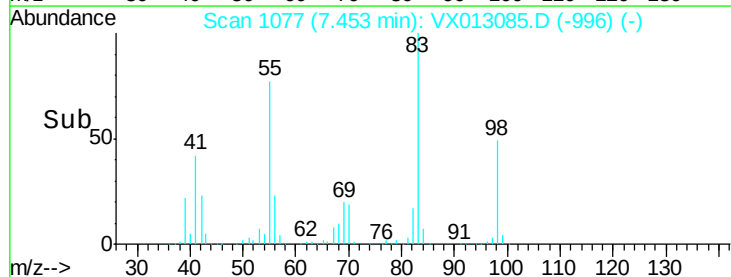
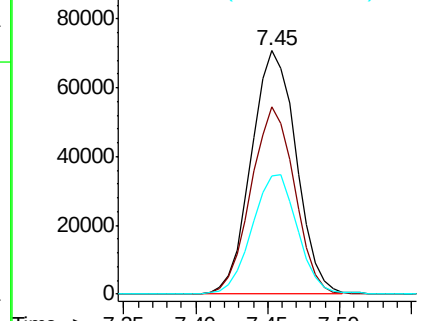
98 49.8 24.9 74.7

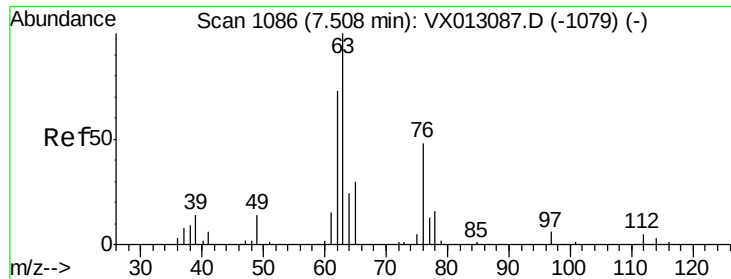


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





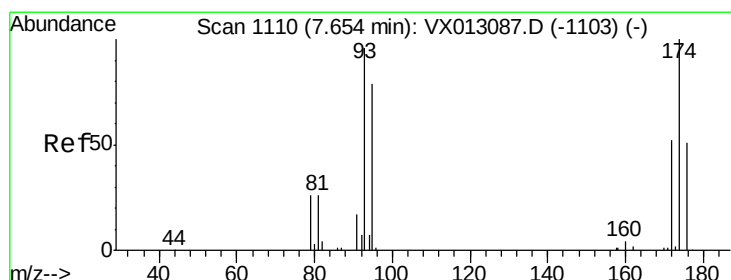
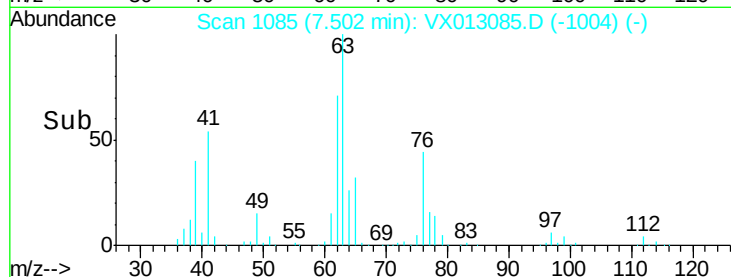
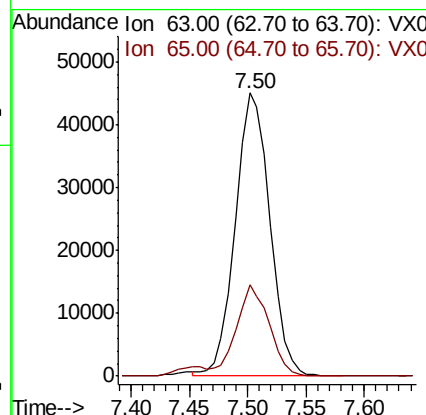
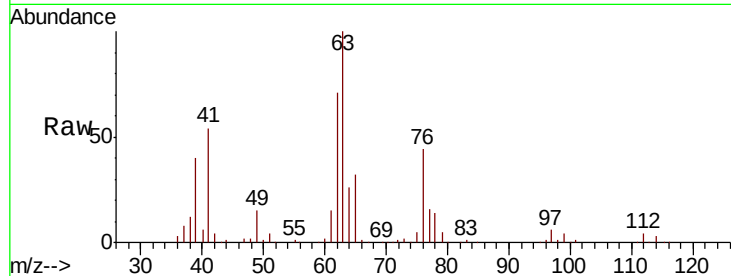
#39
 1,2-Dichloropropane
 Concen: 29.763 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 92845
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.6 38.4

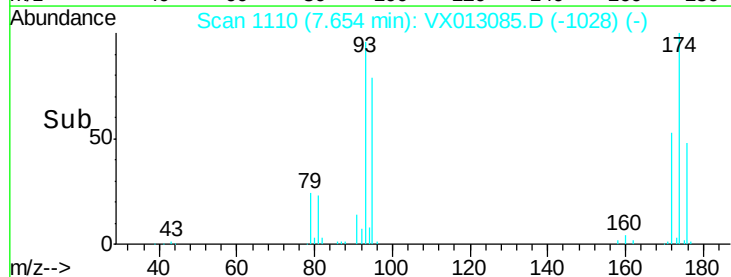
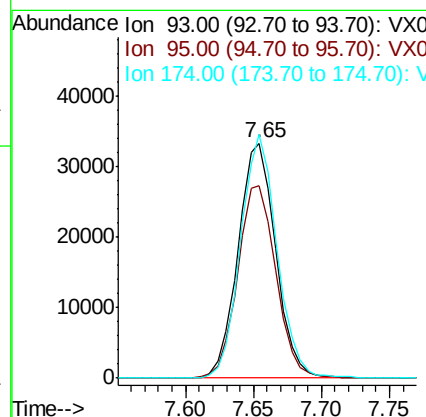
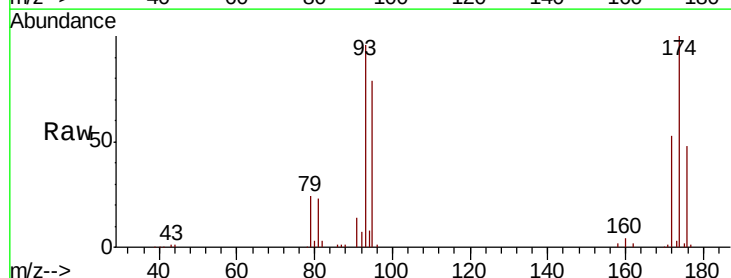
Manual Integrations
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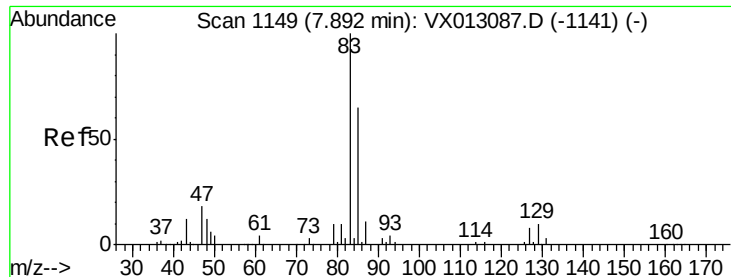
MMDadoda
 10/18/2019 4:51:35 PM



#40
 Dibromomethane
 Concen: 30.326 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Tgt Ion: 93 Resp: 64244
 Ion Ratio Lower Upper
 93 100
 95 83.3 0.0 171.2
 174 100.0 0.0 208.2





#41

Bromodichloromethane

Concen: 30.534 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

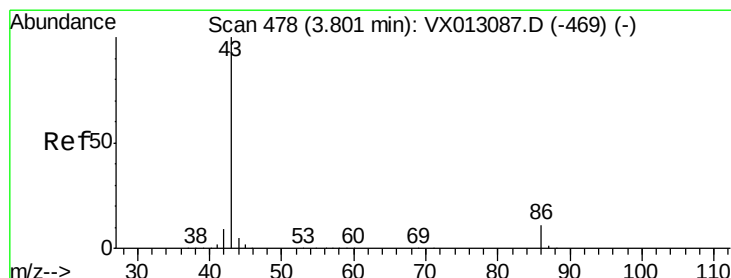
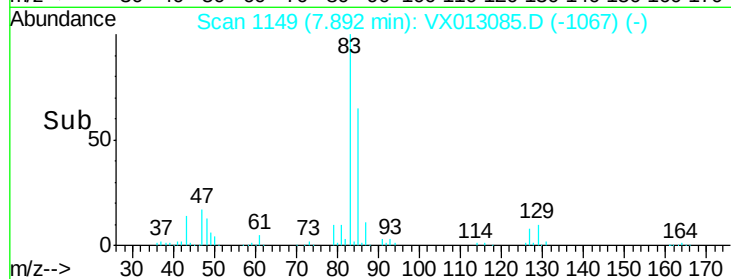
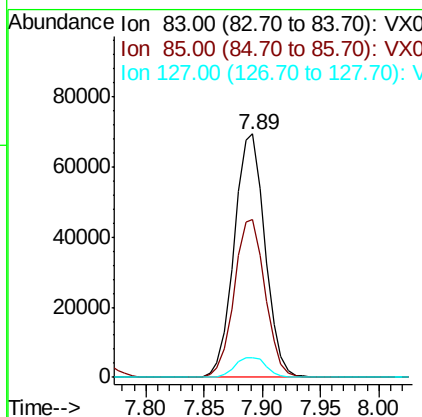
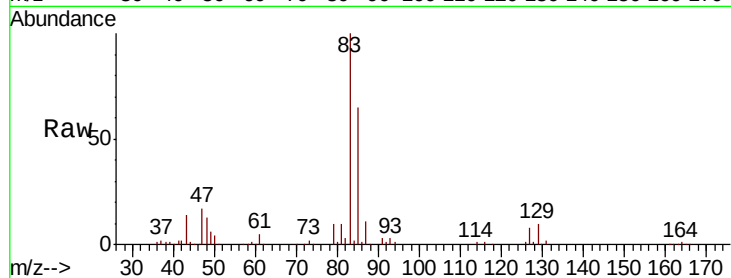
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	128431
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.8	77.8
127	7.9	6.7	10.1

Manual Integrations
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10/18/2019 4:51:35 PM



#42

Vinyl Acetate

Concen: 149.810 ug/l

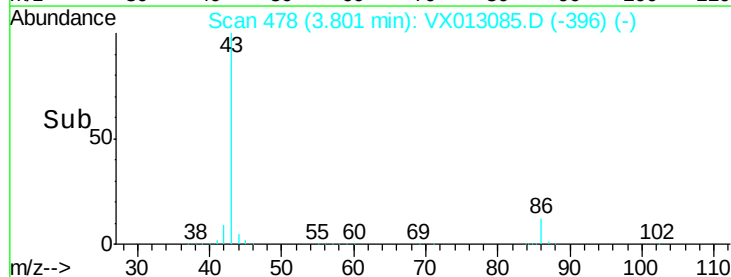
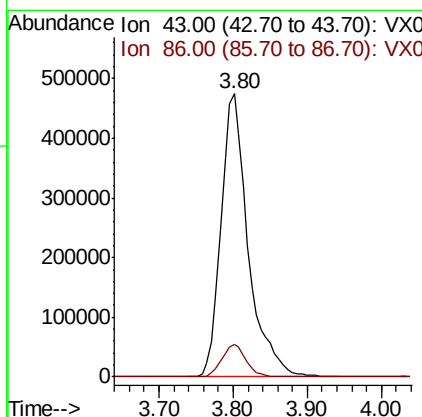
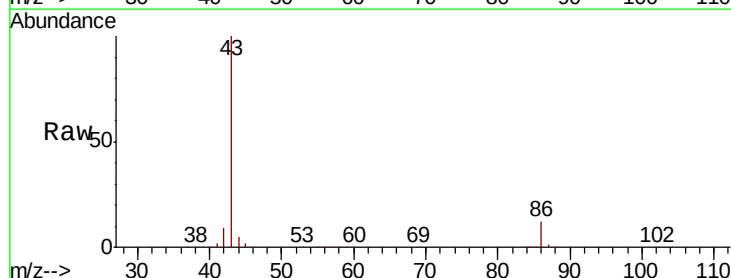
RT: 3.80 min Scan# 478

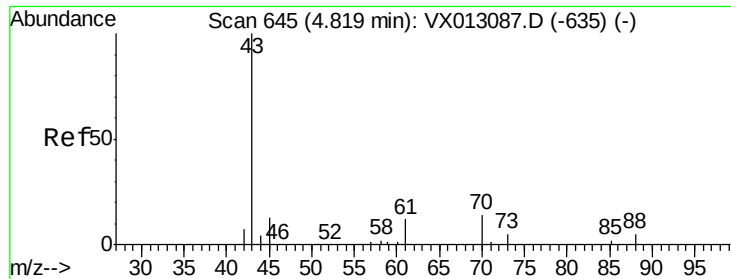
Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Tgt Ion:	43	Resp:	1209060
Ion Ratio	Lower	Upper	
43	100		
86	10.2	8.2	12.2





#43

Ethyl Acetate

Concen: 28.696 ug/l

RT: 4.81 min Scan# 644

Delta R.T. -0.01 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 127277

Ion Ratio Lower Upper

43 100

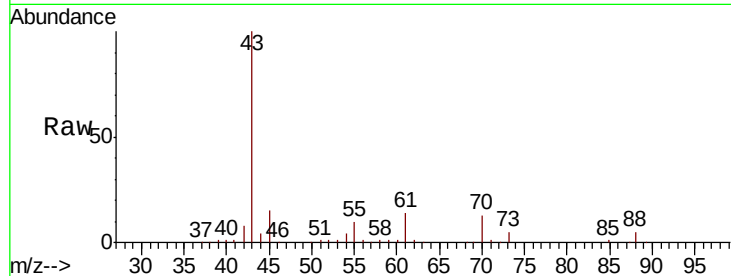
45 14.7 12.8 19.2

Manual Integrations

APPROVED

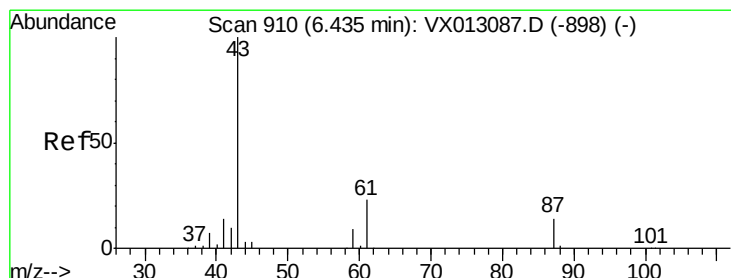
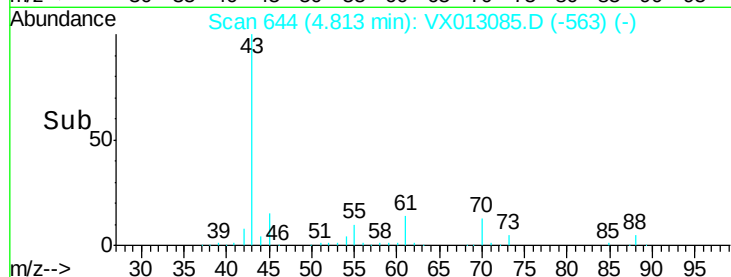
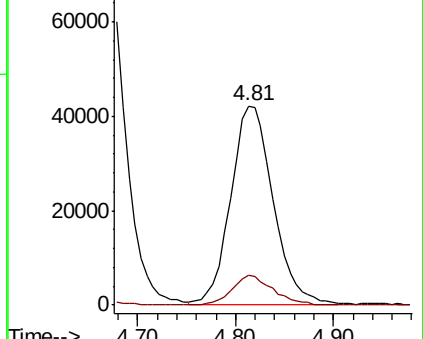
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 29.116 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX013085.D

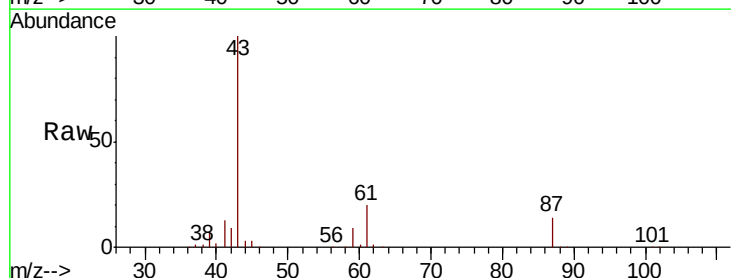
Acq: 16 Oct 2019 09:59

Tgt Ion: 43 Resp: 208248

Ion Ratio Lower Upper

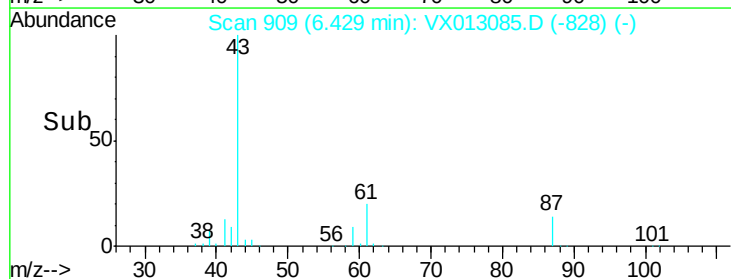
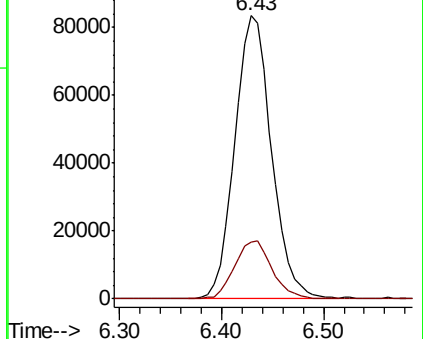
43 100

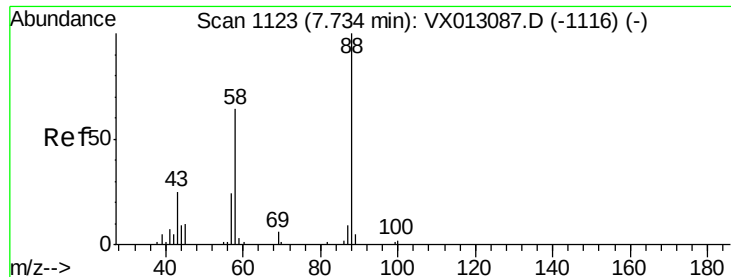
61 20.8 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





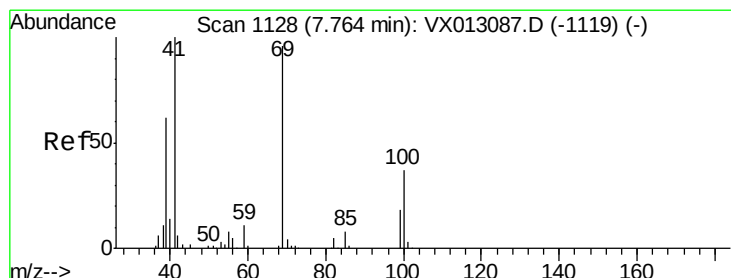
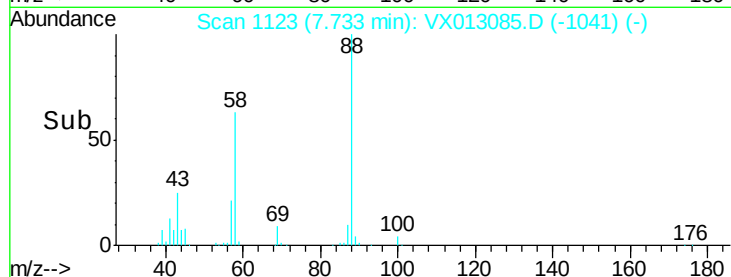
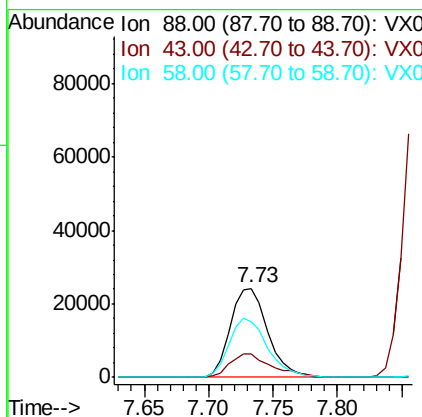
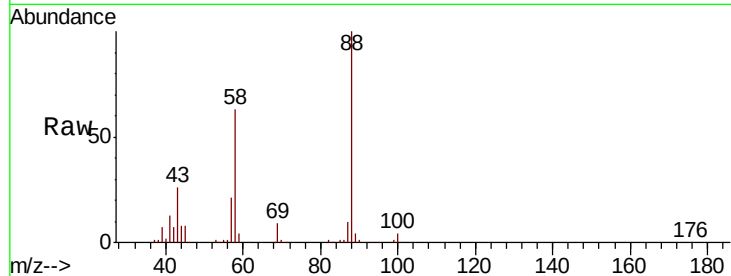
#45
1,4-Dioxane
Concen: 556.125 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	48886		
43	31.1	26.0	39.0	
58	69.1	53.0	79.4	

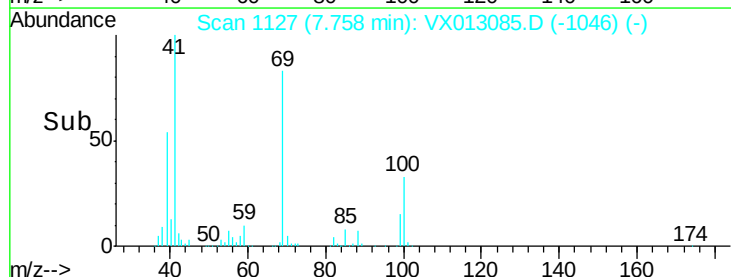
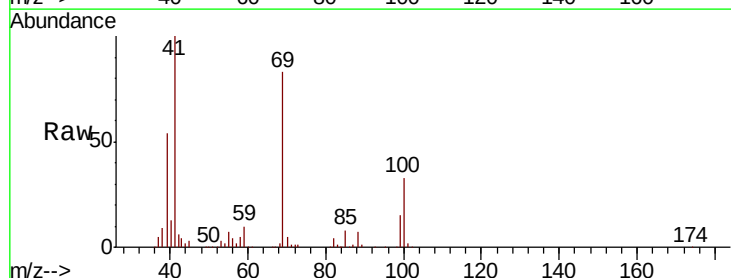
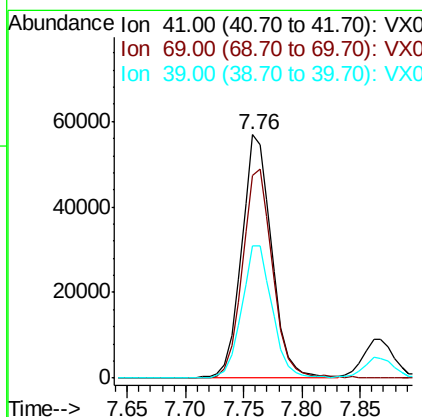
Manual Integrations
APPROVED

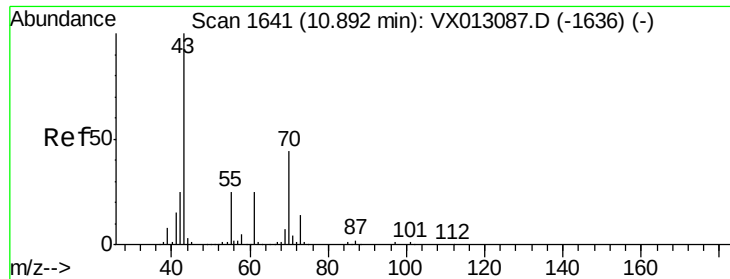
MMDadoda
10/18/2019 4:51:35 PM



#46
Methyl methacrylate
Concen: 29.343 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	102577		
69	83.3	48.1	144.3	
39	54.1	31.2	93.6	





#47

n-amvl Acetate

Concen: 30.175 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 183756

Ion Ratio Lower Upper

43 100

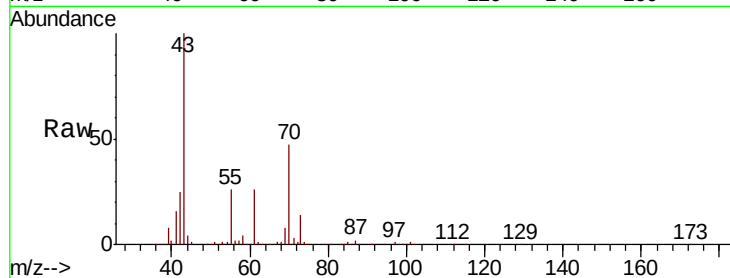
55 25.2 20.6 31.0

Manual Integrations

APPROVED

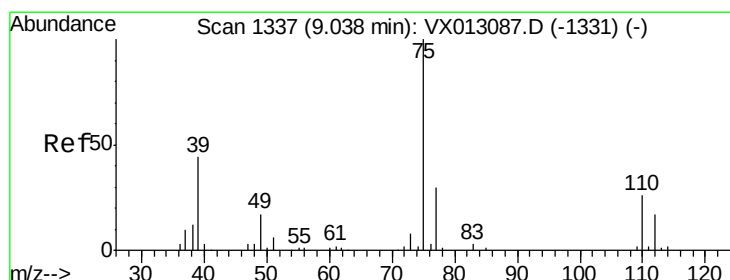
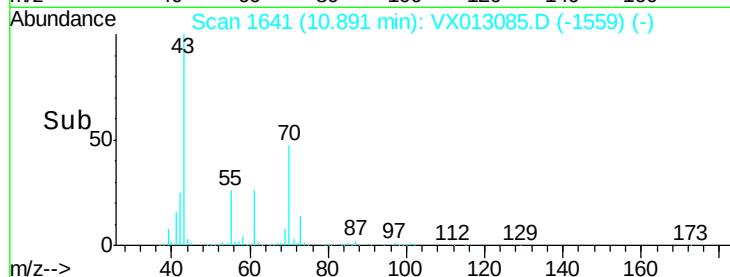
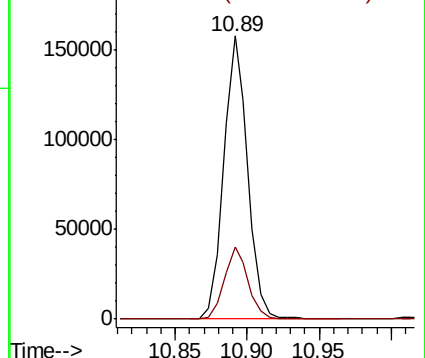
MMDadoda

10/18/2019 4:51:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 29.888 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013085.D

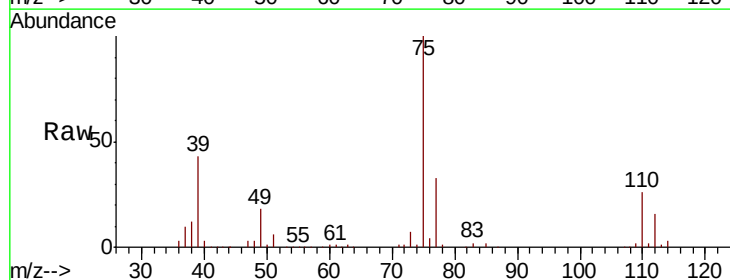
Acq: 16 Oct 2019 09:59

Tgt Ion: 75 Resp: 139132

Ion Ratio Lower Upper

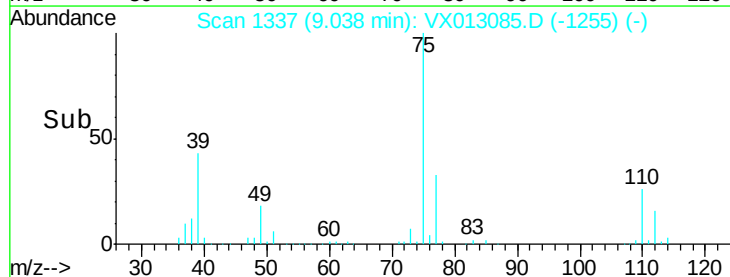
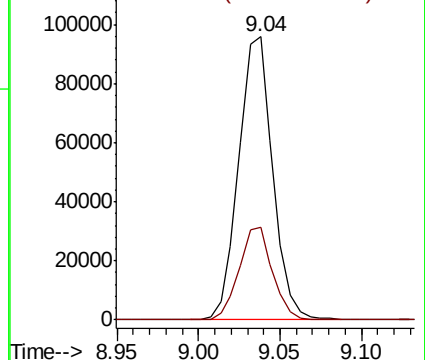
75 100

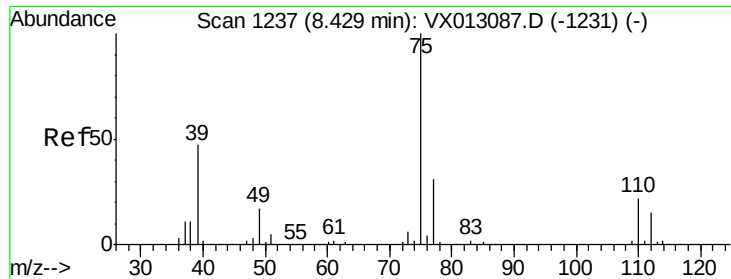
77 32.9 23.7 35.5



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





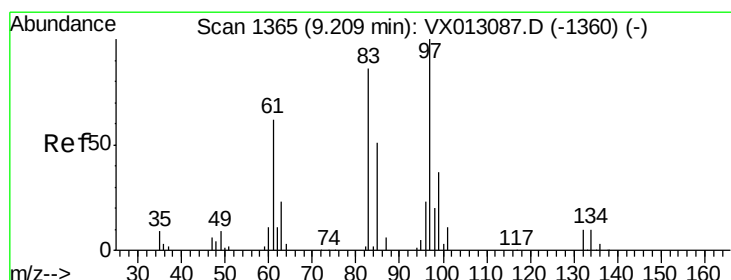
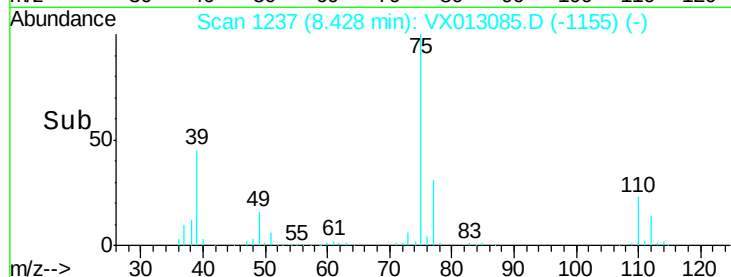
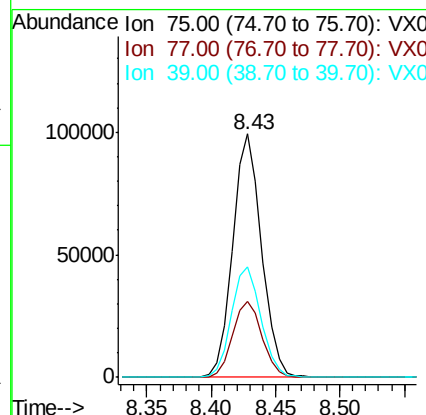
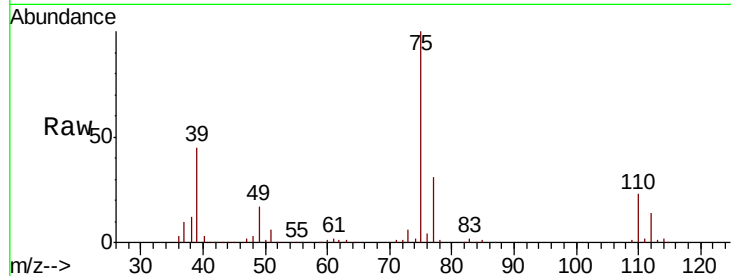
#49
 cis-1,3-Dichloropropene
 Concen: 30.298 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	45.3	37.4	56.0

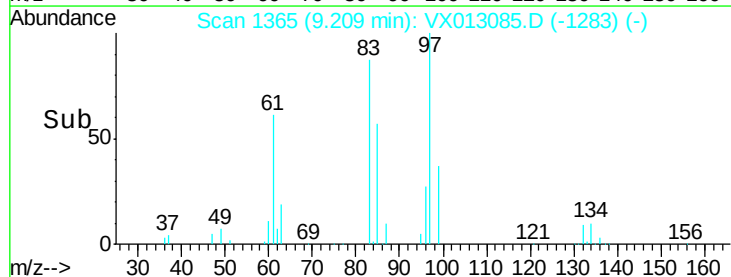
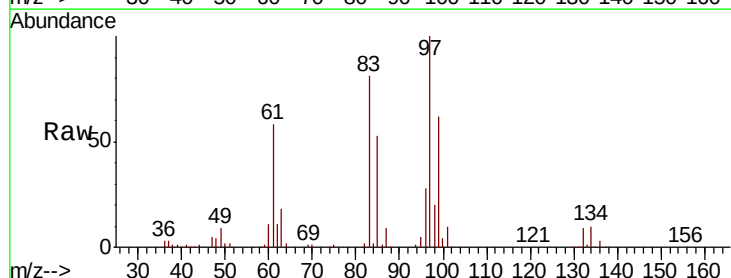
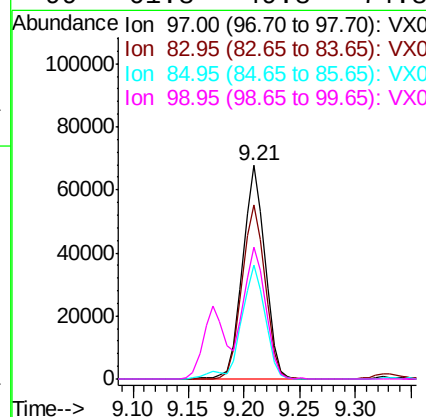
Manual Integrations
 APPROVED

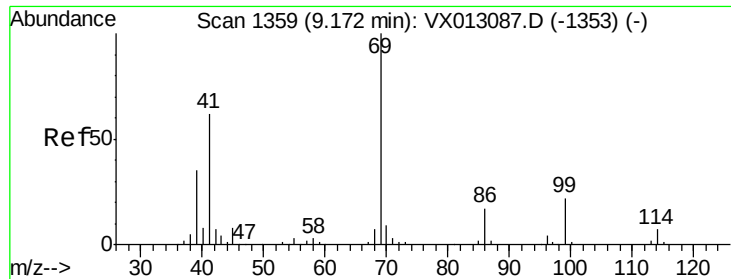
MMDadoda
 10/18/2019 4:51:35 PM



#50
 1,1,2-Trichloroethane
 Concen: 29.776 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.4	68.1	102.1
85	53.1	42.6	64.0
99	61.8	49.8	74.8





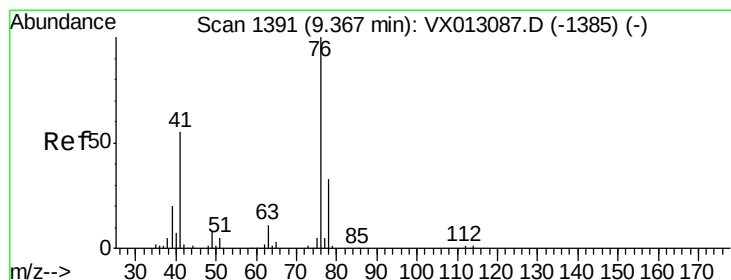
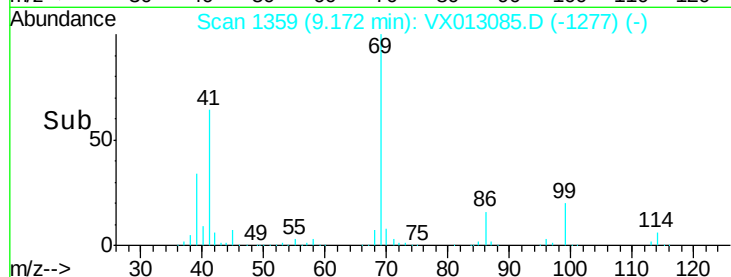
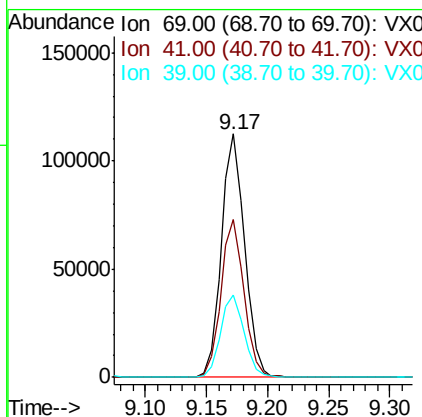
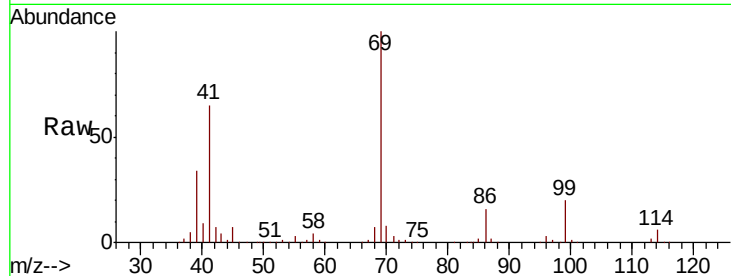
#51
Ethyl methacrylate
Concen: 29.596 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
69	100		
41	64.8	31.1	93.3
39	34.0	17.6	52.9

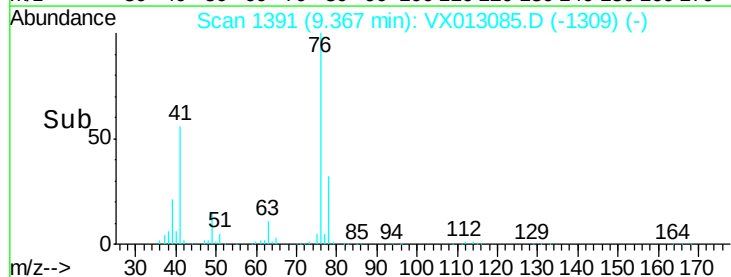
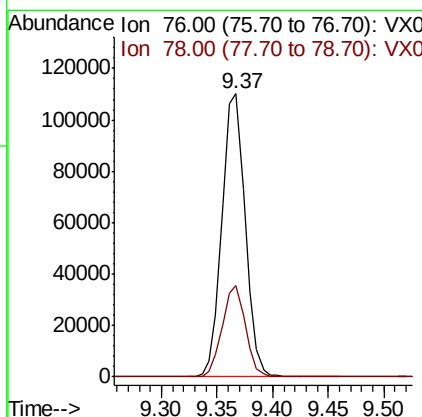
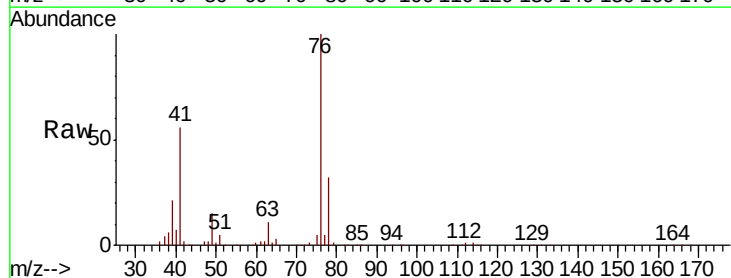
Manual Integrations
APPROVED

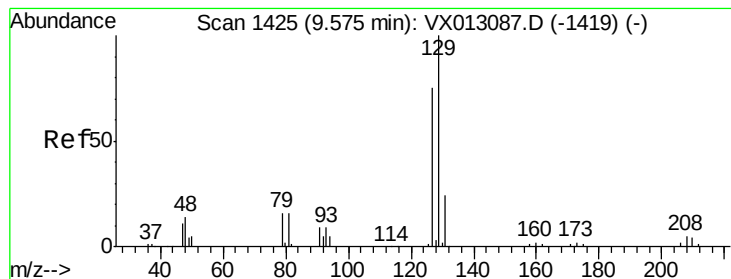
MMDadoda
10/18/2019 4:51:35 PM



#52
1,3-Dichloropropane
Concen: 29.831 ug/l
RT: 9.37 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.2





#53

Dibromochloromethane

Concen: 30.470 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:129 Resp: 100038

Ion Ratio Lower Upper

129 100

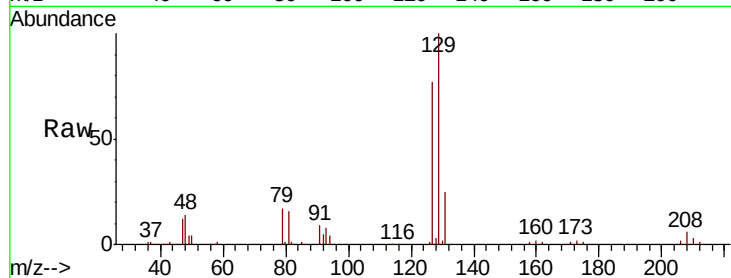
127 76.9 38.0 113.9

Manual Integrations

APPROVED

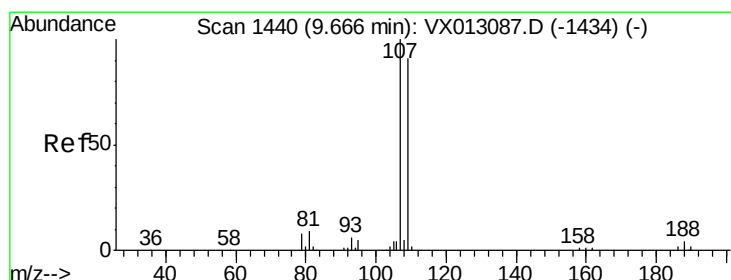
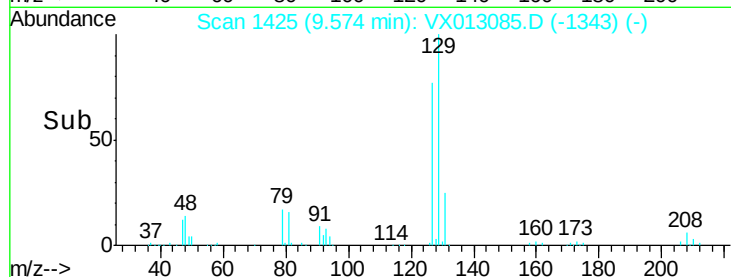
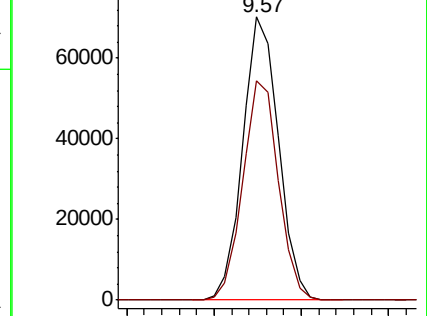
MMDadoda

10/18/2019 4:51:35 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 29.440 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013085.D

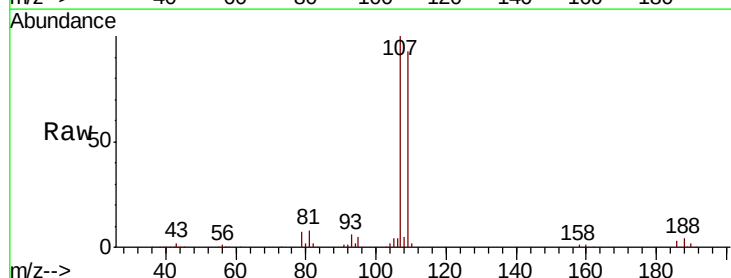
Acq: 16 Oct 2019 09:59

Tgt Ion:107 Resp: 99001

Ion Ratio Lower Upper

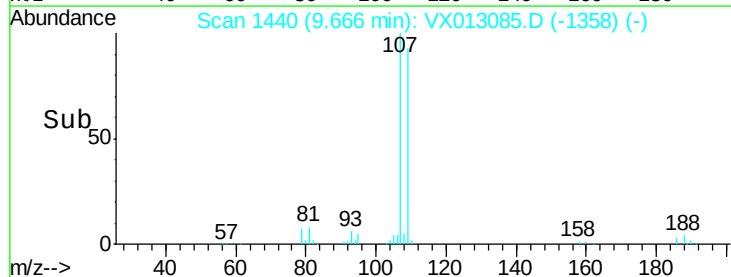
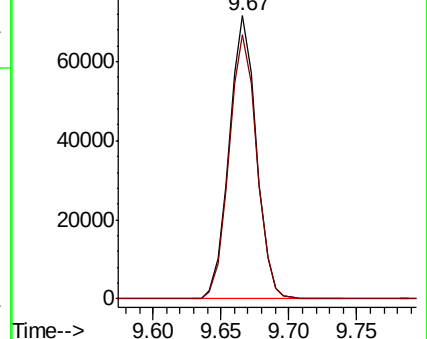
107 100

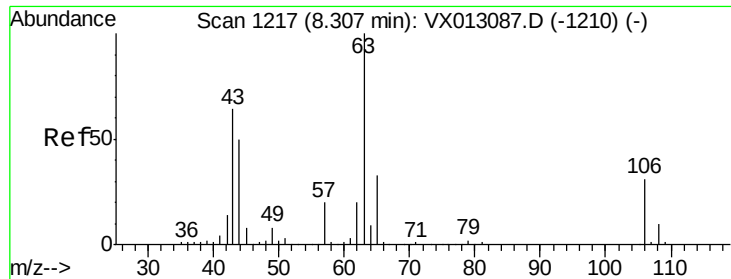
109 94.9 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





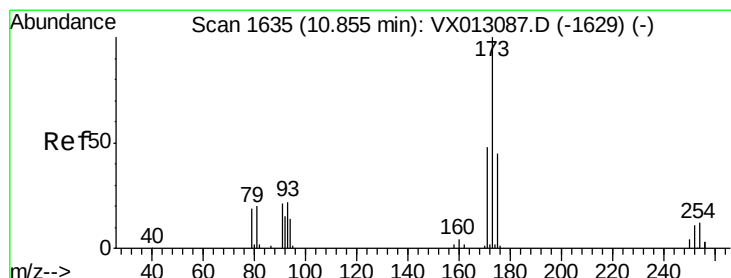
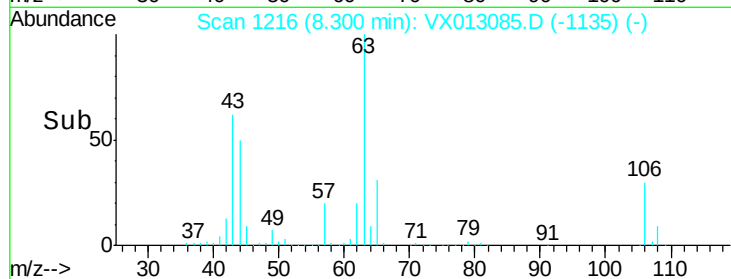
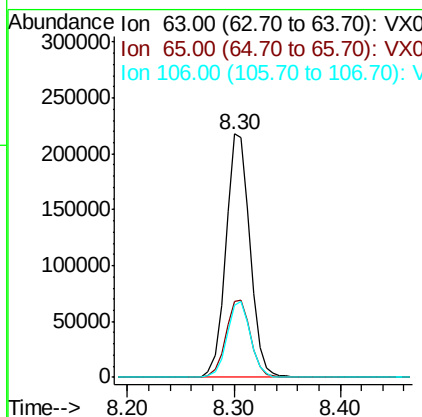
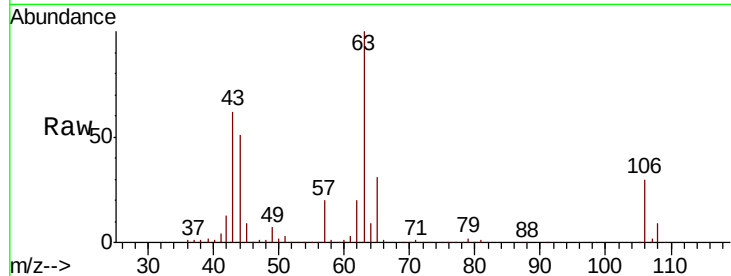
#55
2-Chloroethyl vinyl ether
Concen: 155.675 ug/l
RT: 8.30 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	63	Resp:	344374
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.9	38.9
106	30.6	24.3	36.5

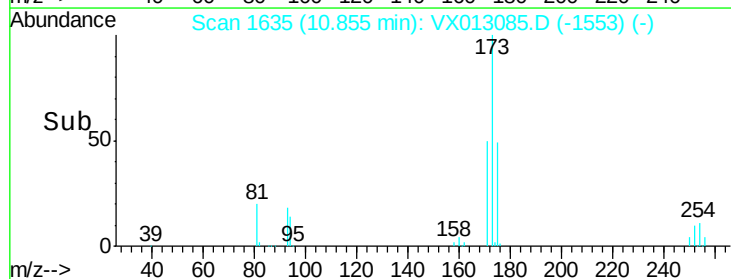
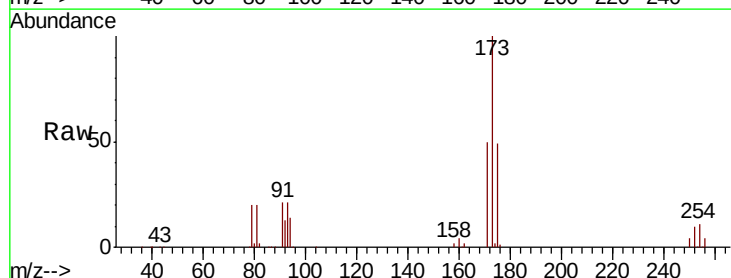
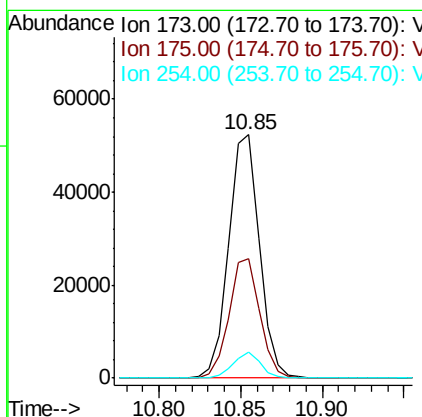
Manual Integrations
APPROVED

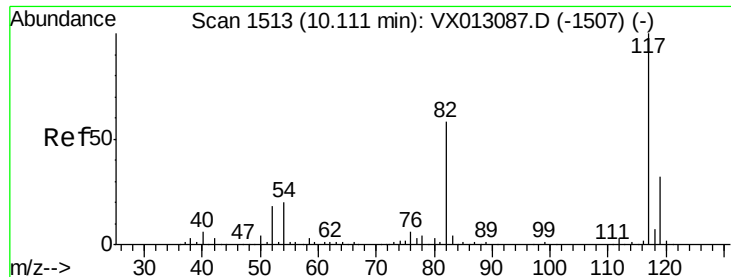
MMDadoda
10/18/2019 4:51:35 PM



#56
Bromoform
Concen: 30.044 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion:	173	Resp:	68640
Ion	Ratio	Lower	Upper
173	100		
175	49.0	37.8	56.8
254	9.6	7.9	11.9





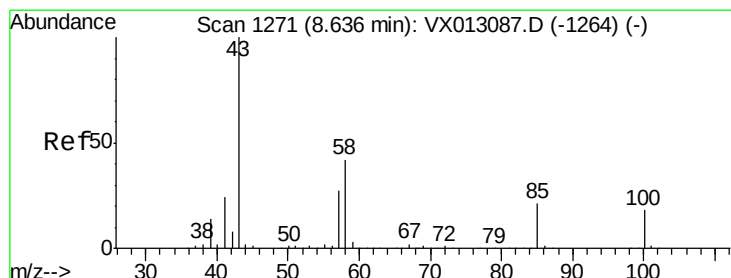
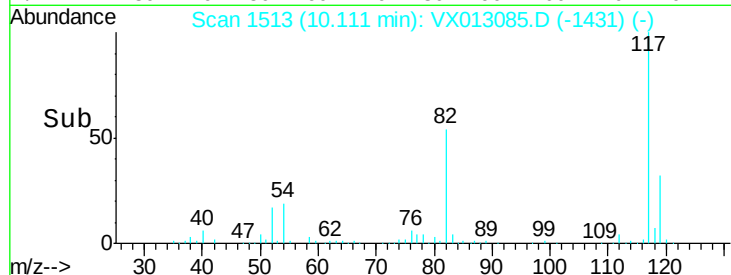
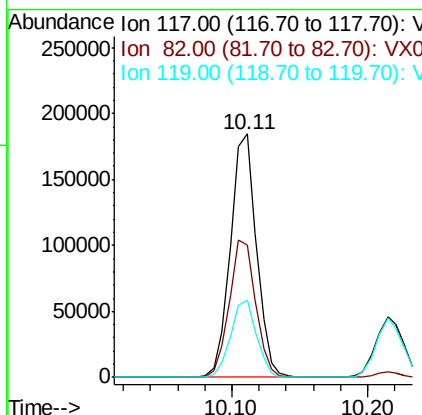
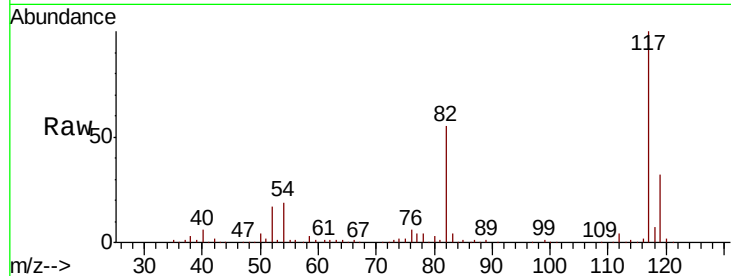
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.7	70.1
119	31.7	25.8	38.6

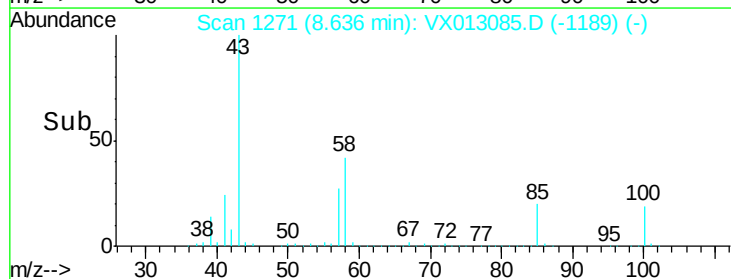
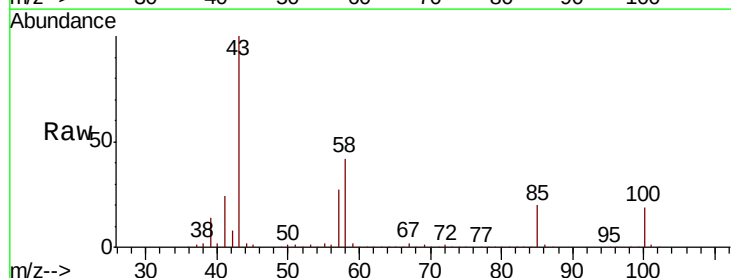
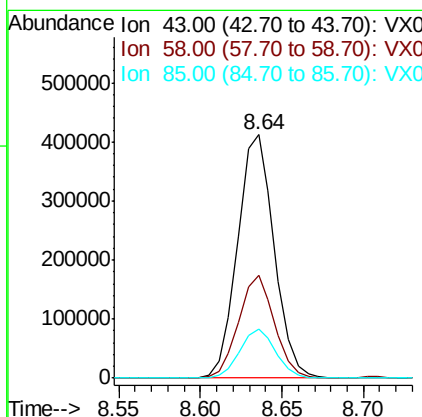
Manual Integrations
APPROVED

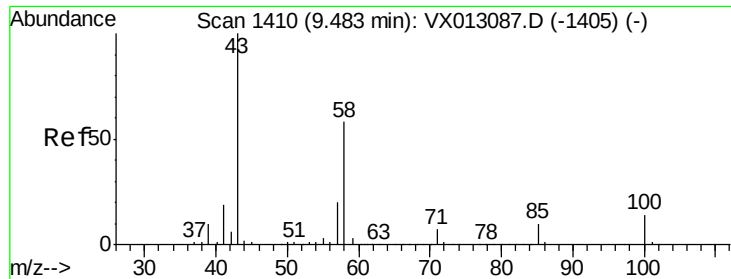
MMDadoda
10/18/2019 4:51:35 PM



#58
4-Methyl-2-Pentanone
Concen: 143.343 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.2	33.0	49.4
85	19.8	16.0	24.0





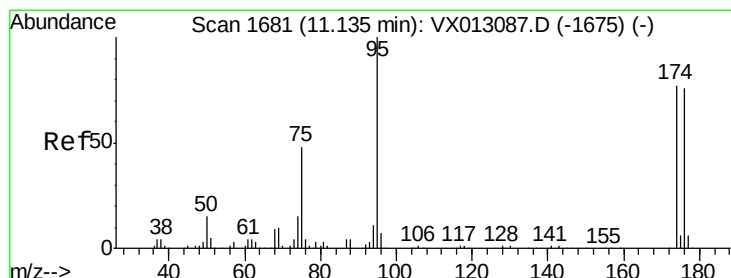
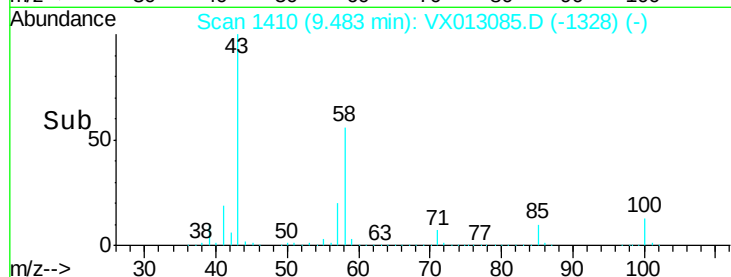
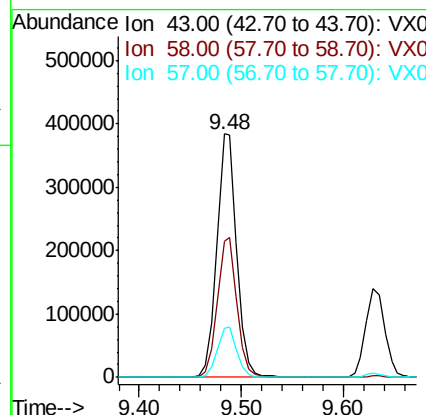
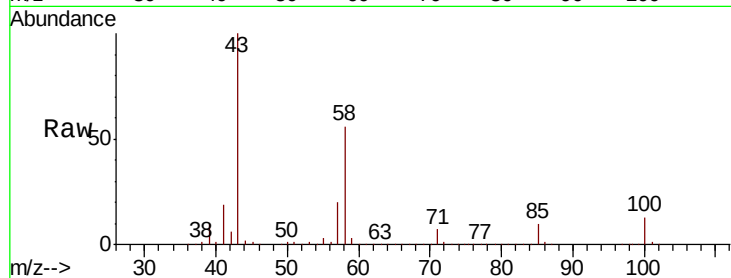
#59
2-Hexanone
Concen: 151.287 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	45.4	68.2
57	20.5	16.2	24.2

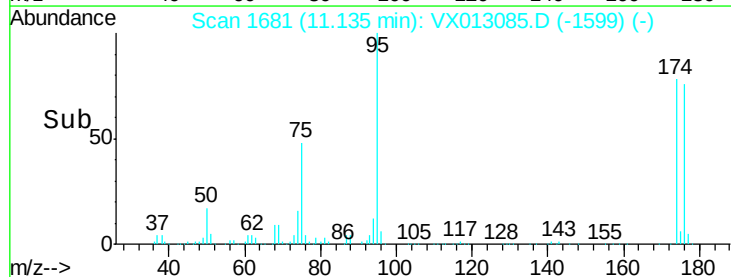
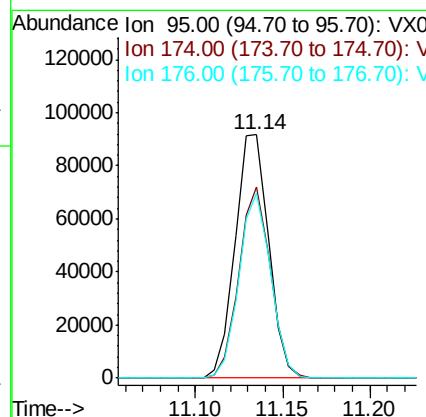
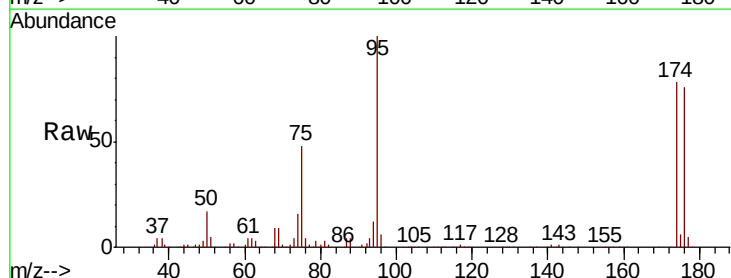
Manual Integrations
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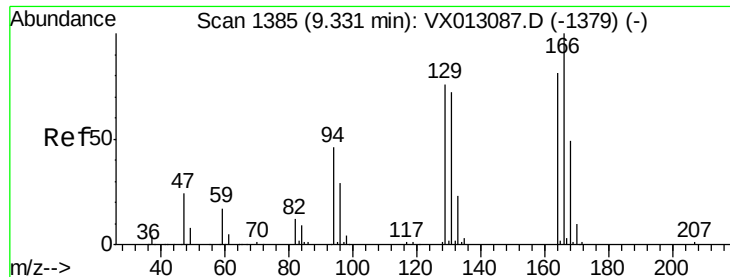
MMDadoda
10/18/2019 4:51:35 PM



#60
4-Bromofluorobenzene
Concen: 28.513 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	58.8	88.2
176	71.6	56.6	84.8





#61

Tetrachloroethene

Concen: 31.238 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:164 Resp: 98011

Ion Ratio Lower Upper

164 100

166 128.8 98.4 147.6

129 98.4 75.2 112.8

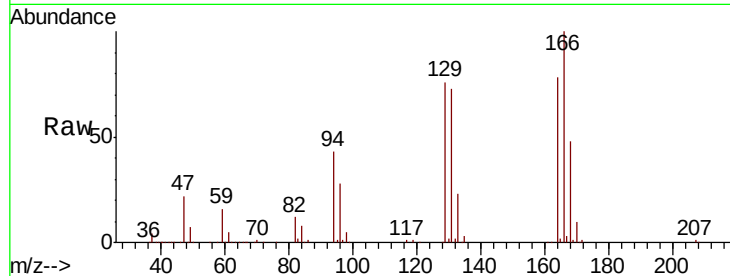
131 94.4 70.4 105.6

Manual Integrations

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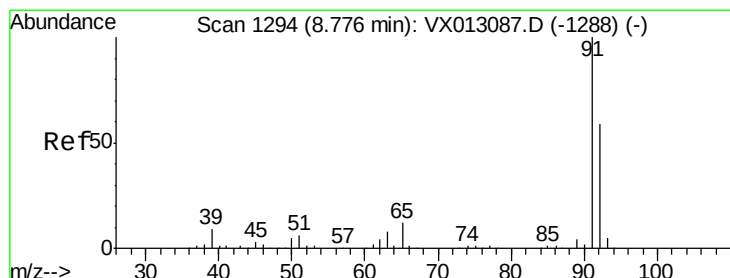
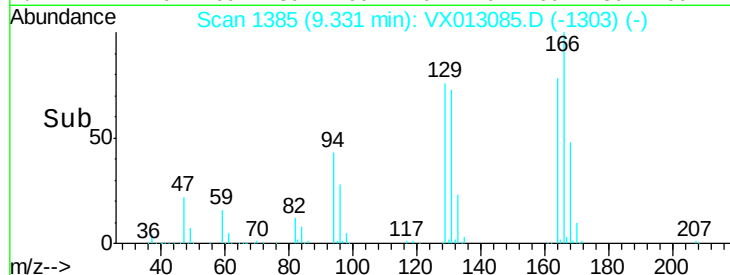
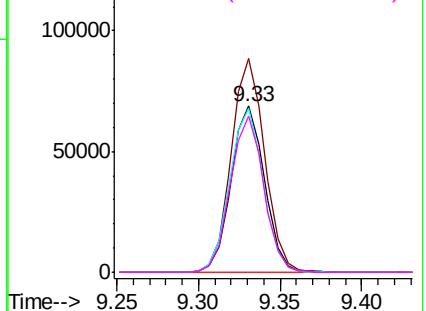


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 29.345 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX013085.D

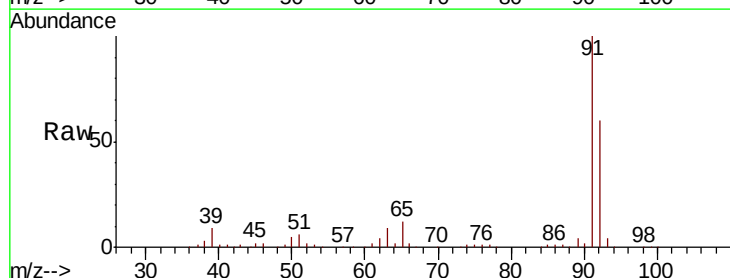
Acq: 16 Oct 2019 09:59

Tgt Ion: 91 Resp: 392735

Ion Ratio Lower Upper

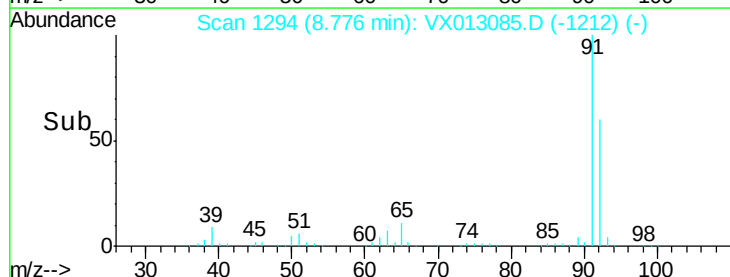
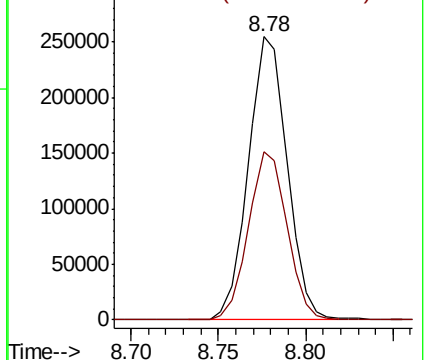
91 100

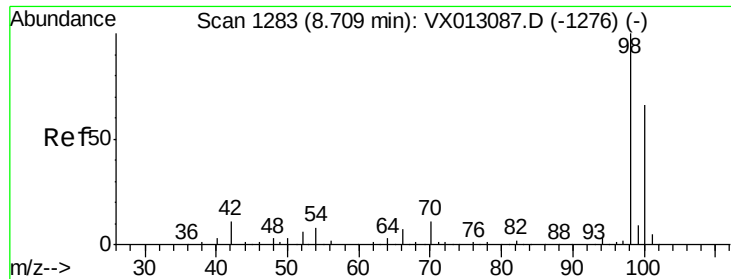
92 59.5 47.6 71.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 27.469 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 98 Resp: 308620

Ion Ratio Lower Upper

98 100

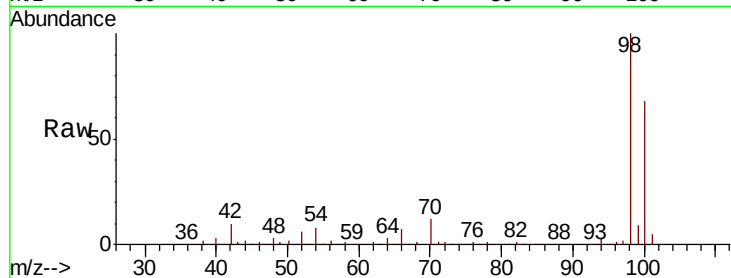
100 67.3 53.8 80.6

Manual Integrations

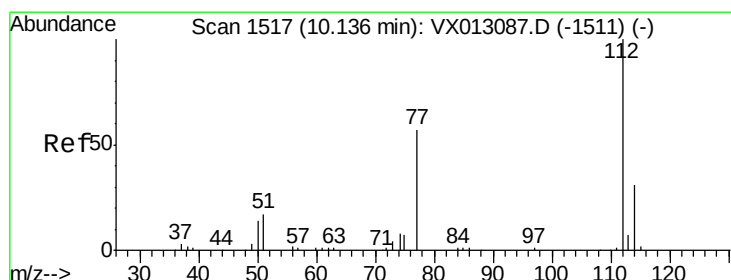
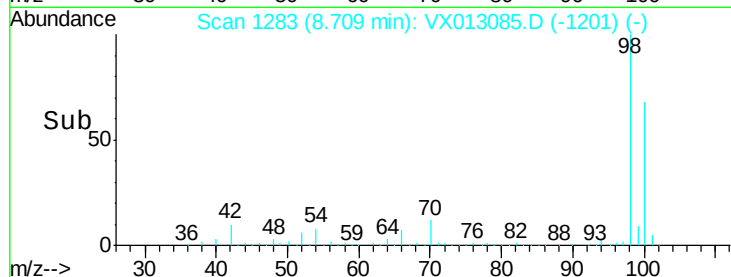
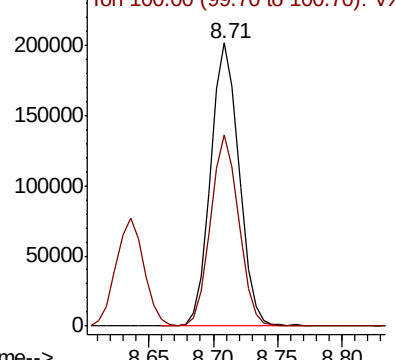
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Abundance Ion 98.00 (97.70 to 98.70): VX013087.D (-1276) (-)



#64

Chlorobenzene

Concen: 29.343 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013085.D

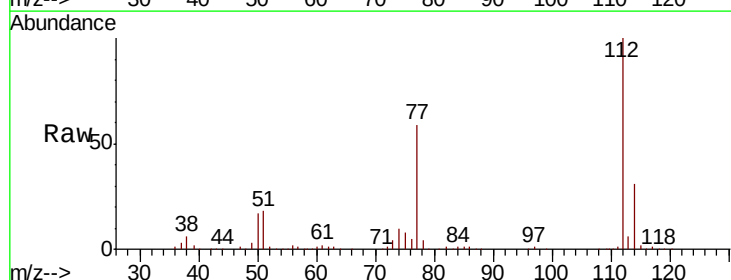
Acq: 16 Oct 2019 09:59

Tgt Ion: 112 Resp: 249579

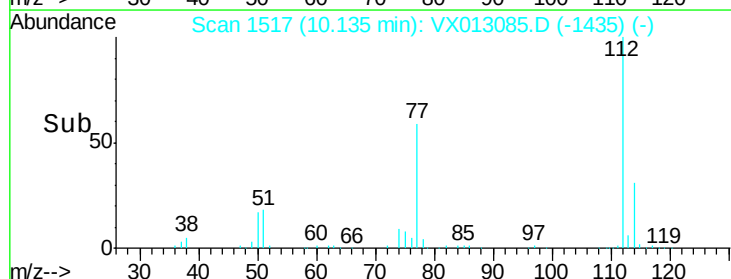
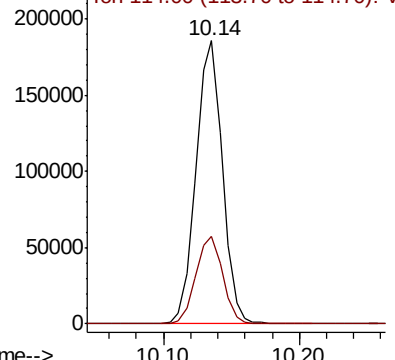
Ion Ratio Lower Upper

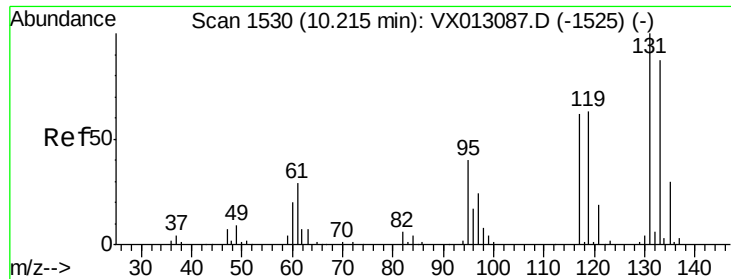
112 100

114 31.0 25.2 37.8



Abundance Ion 112.00 (111.70 to 112.70): VX013087.D (-1511) (-)





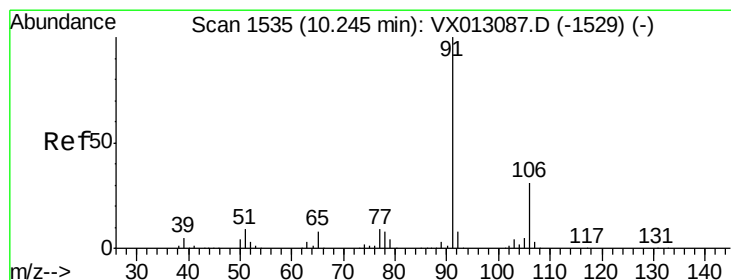
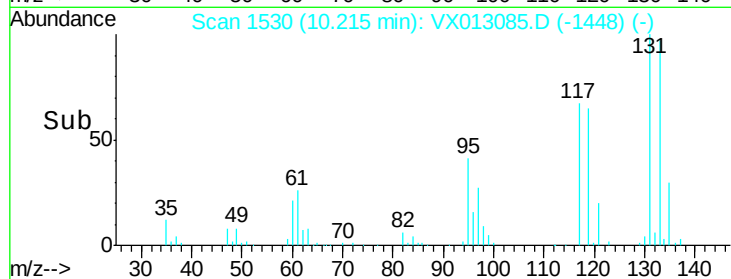
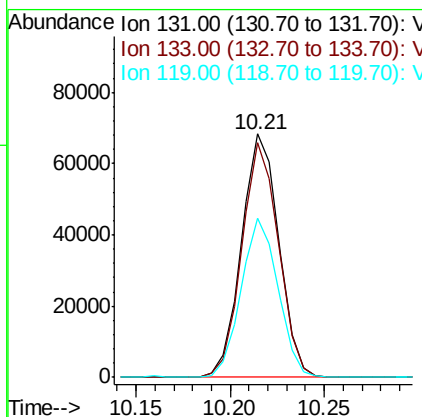
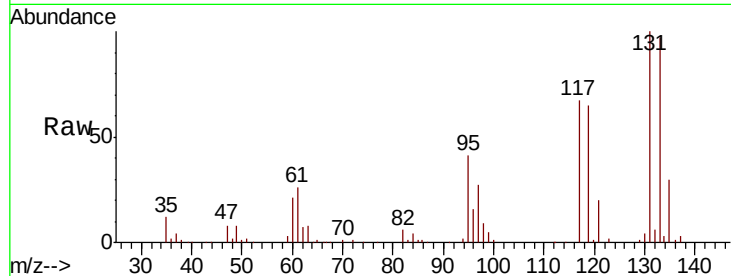
#65
 1,1,1,2-Tetrachloroethane
 Concen: 30.043 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.7	0.0	187.8
119	64.7	0.0	128.4

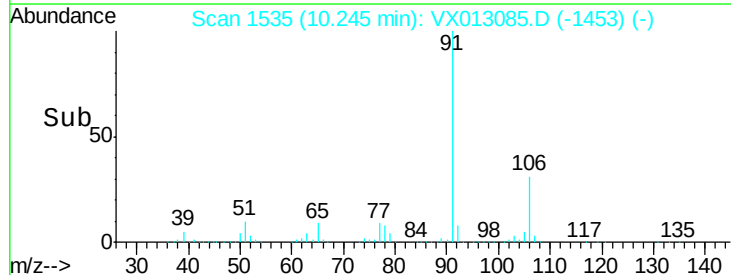
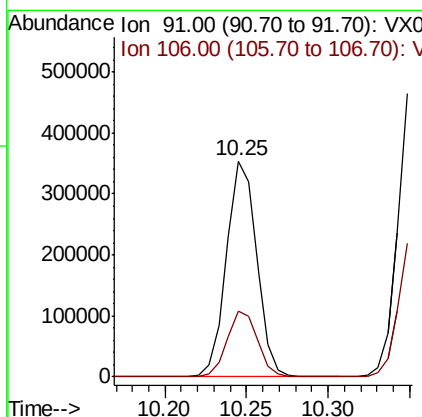
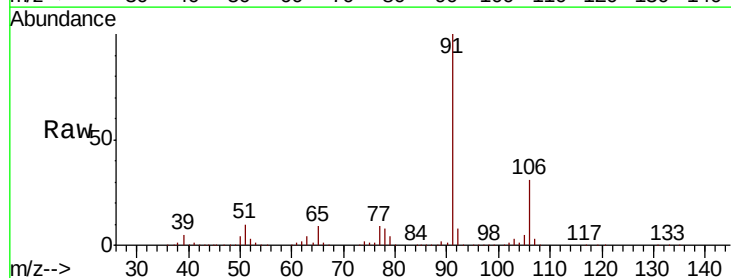
Manual Integrations
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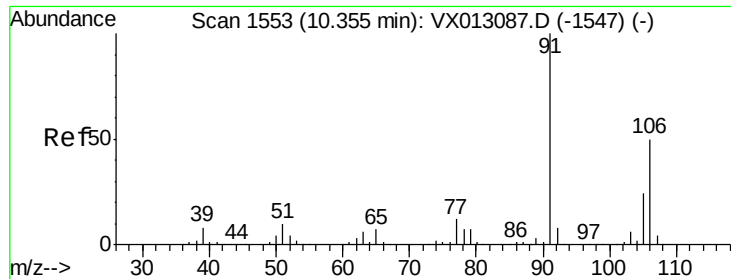
MMDadoda
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#66
 Ethyl Benzene
 Concen: 29.871 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.0	37.4





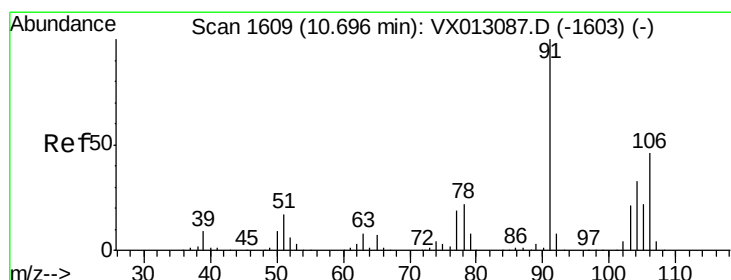
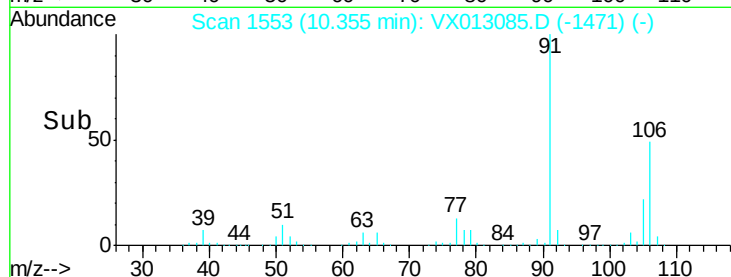
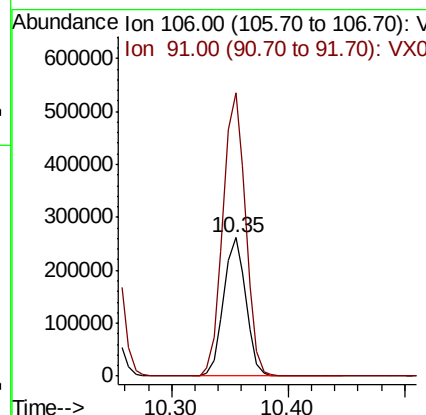
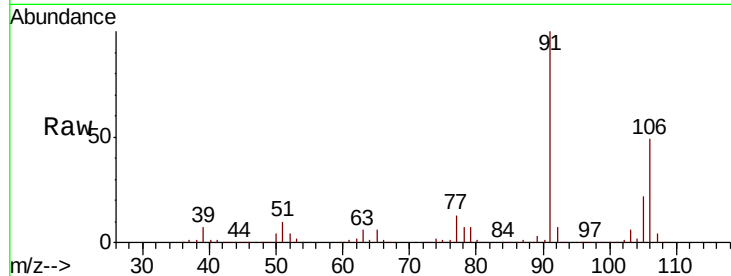
#67
m/p-Xylenes
Concen: 59.941 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 344466
Ion Ratio Lower Upper
106 100
91 207.6 162.6 243.8

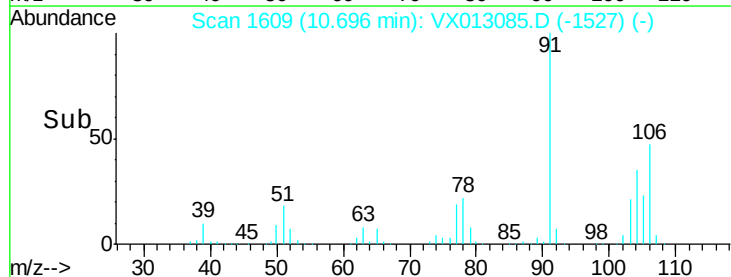
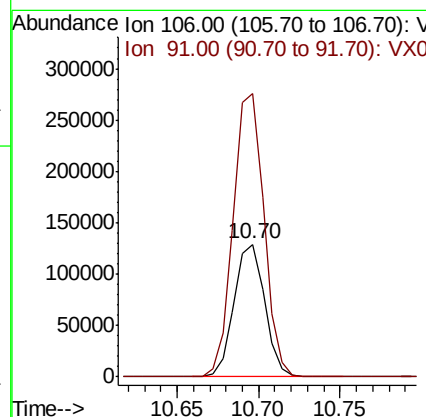
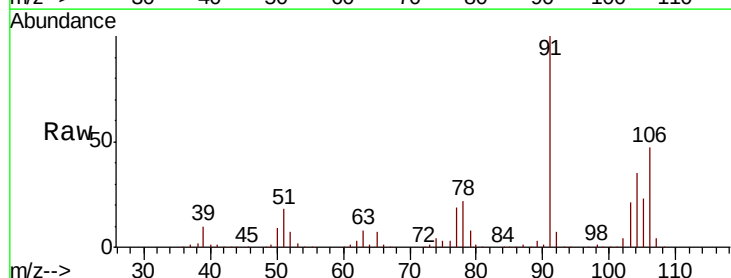
Manual Integrations
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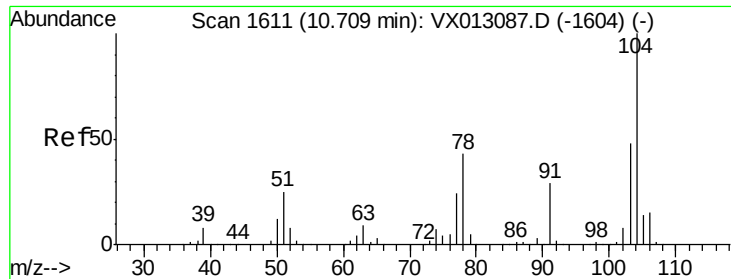
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#68
o-Xylene
Concen: 30.129 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion:106 Resp: 168607
Ion Ratio Lower Upper
106 100
91 214.7 109.1 327.3





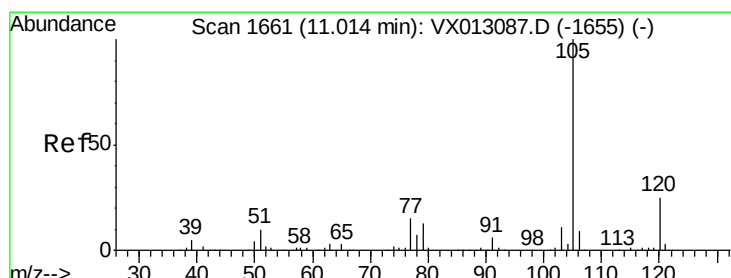
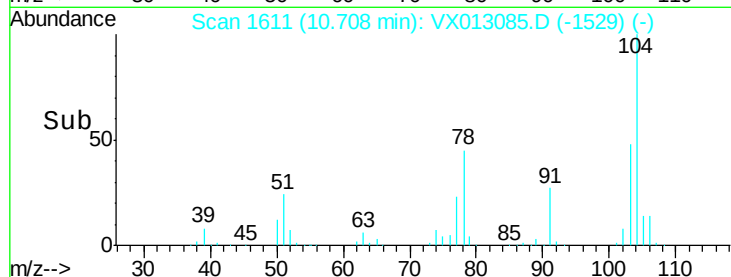
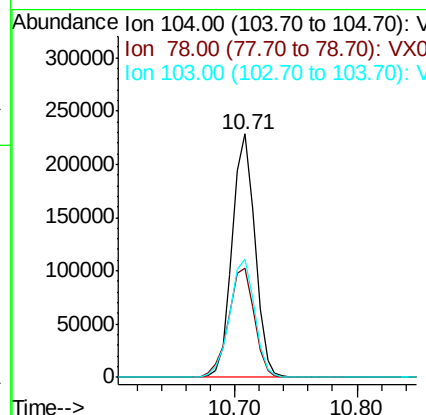
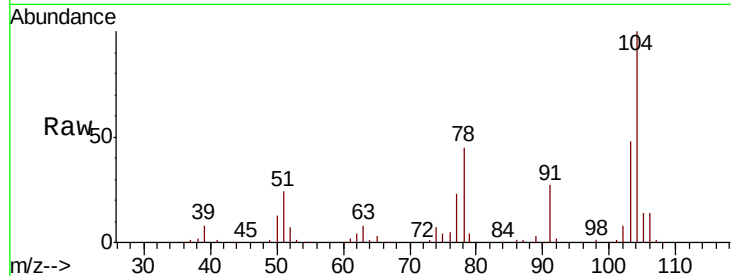
#69
Stvrene
Concen: 30.502 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.7	41.0	61.4
103	53.4	42.8	64.2

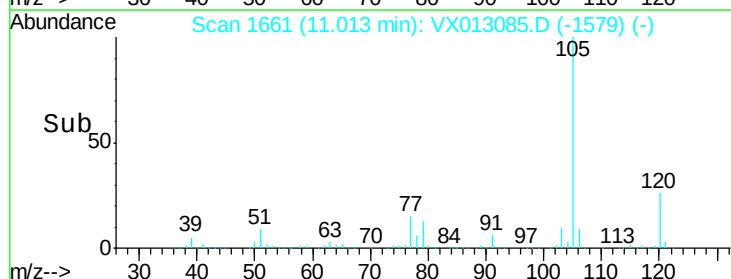
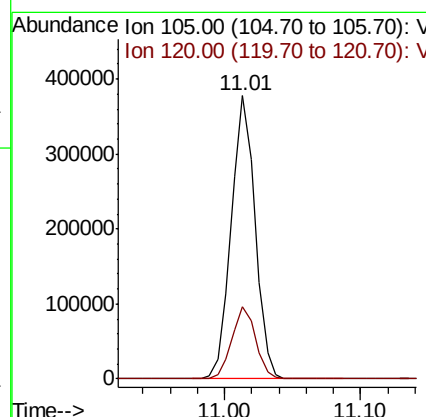
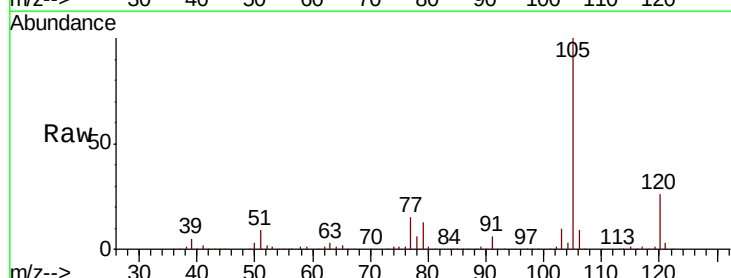
Manual Integrations
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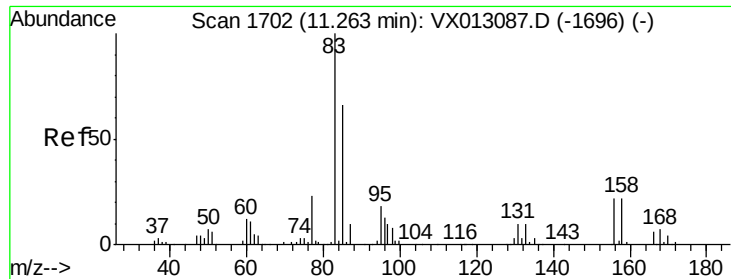
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#70
Isopropylbenzene
Concen: 30.730 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	17.9	33.3





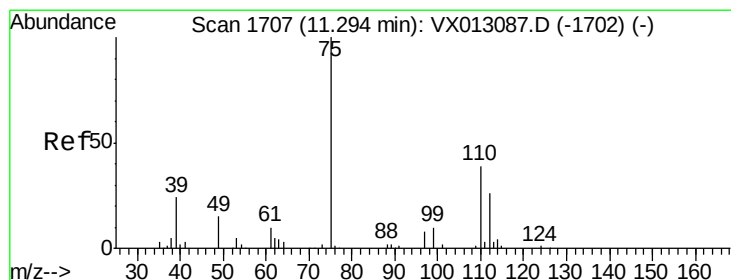
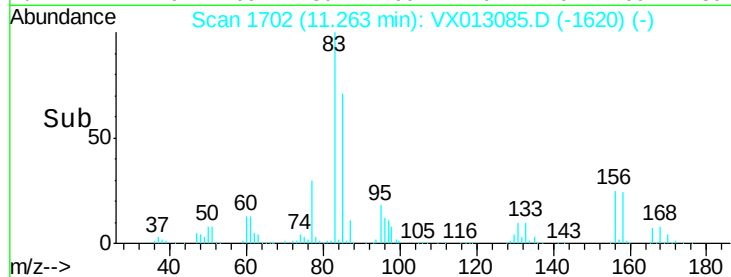
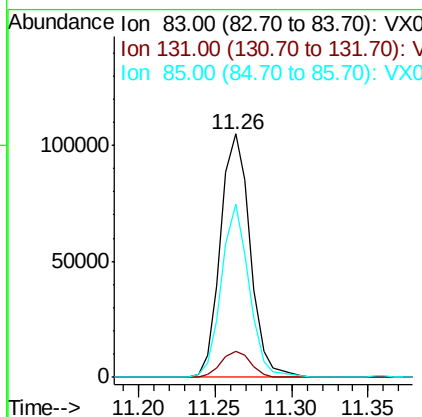
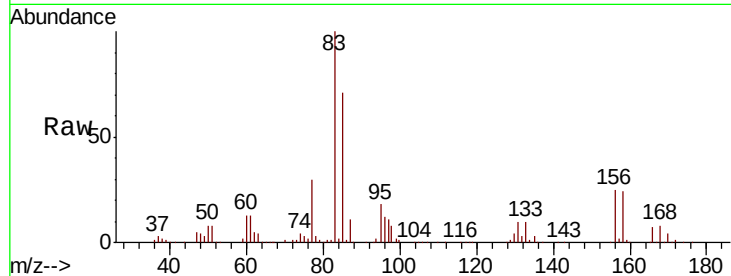
#71
 1,1,2,2-Tetrachloroethane
 Concen: 29.138 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.6	4.9	14.6	
85	66.2	31.9	95.9	

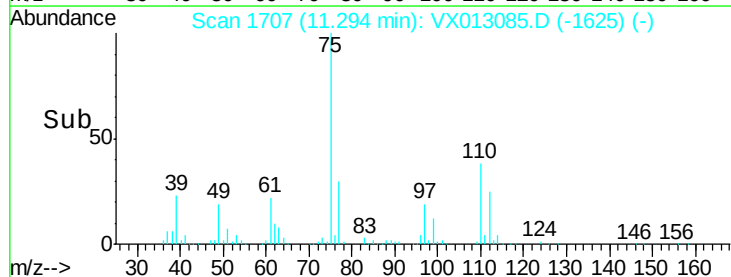
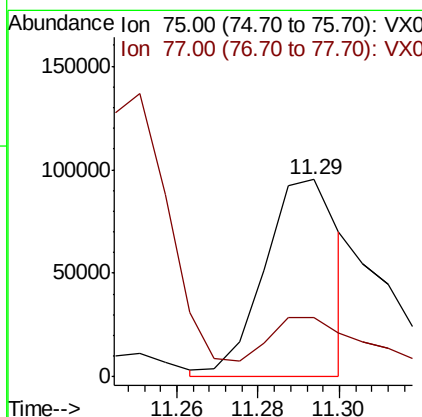
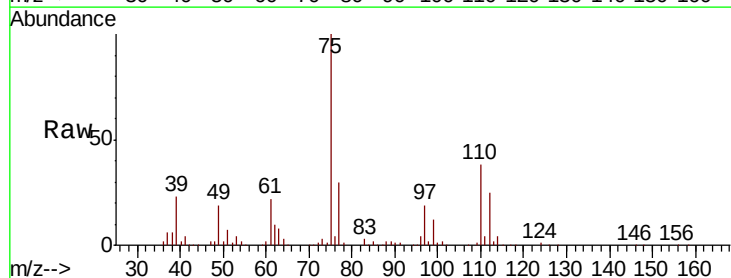
Manual Integrations
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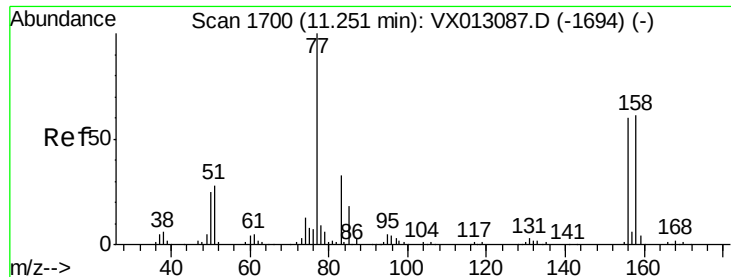
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#72
 1,2,3-Trichloropropane
 Concen: 29.860 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	41.9	0.0	87.8	





#73

Bromobenzene

Concen: 30.493 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

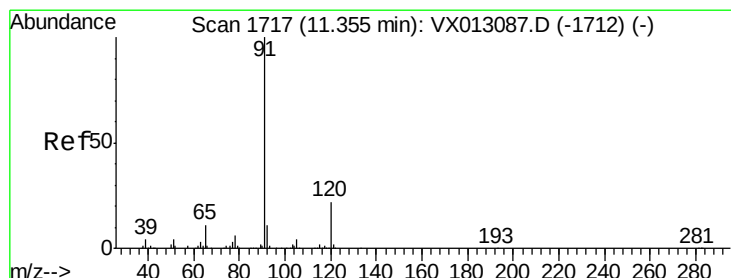
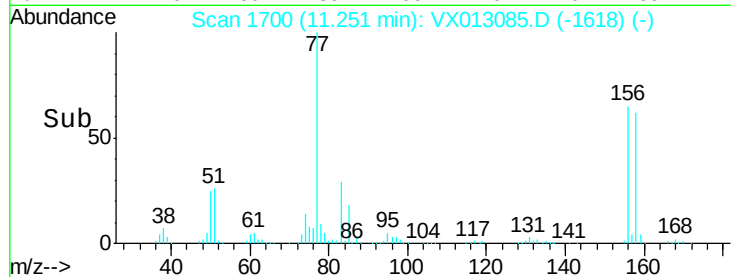
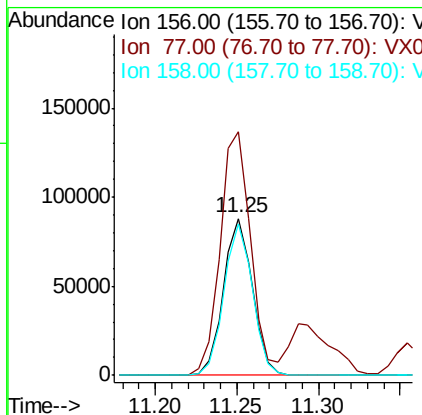
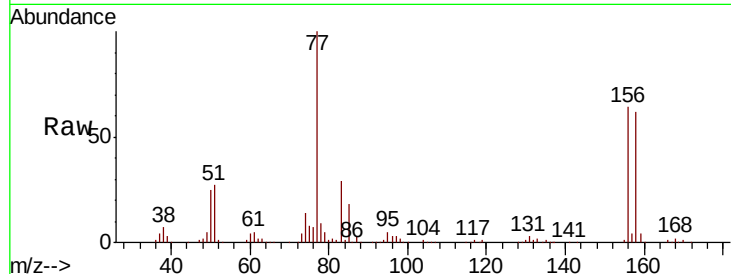
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	108704
Ion Ratio	Lower	Upper	
156	100		
77	164.0	0.0	344.0
158	95.1	0.0	195.6

Manual Integrations
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#74

n-propylbenzene

Concen: 30.317 ug/l

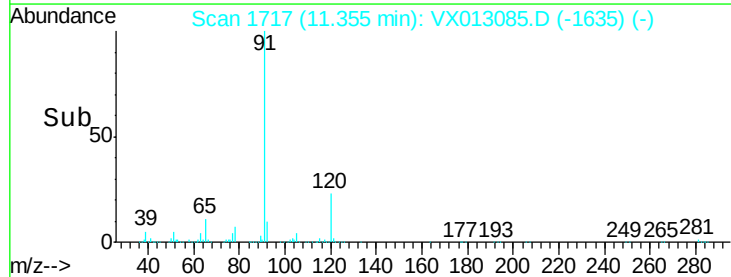
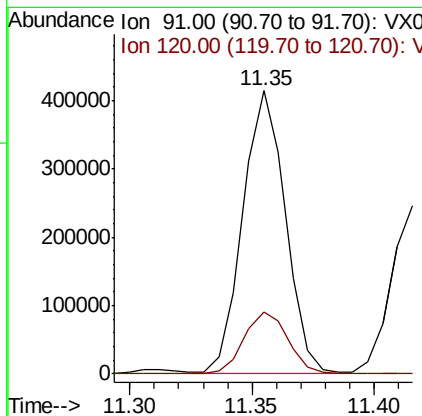
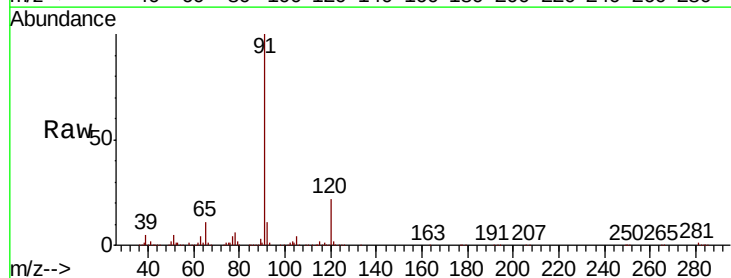
RT: 11.35 min Scan# 1717

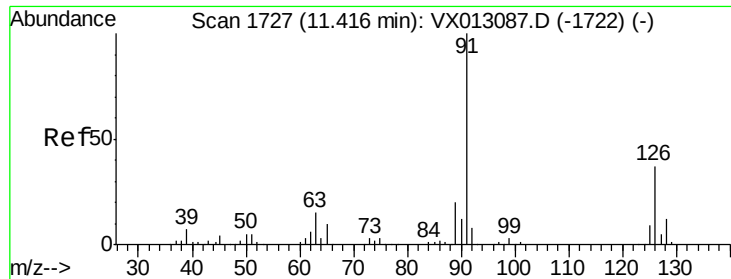
Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Tgt Ion:	91	Resp:	506145
Ion Ratio	Lower	Upper	
91	100		
120	22.3	0.0	45.0





#75

2-Chlorotoluene

Concen: 30.534 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 312292

Ion Ratio Lower Upper

91 100

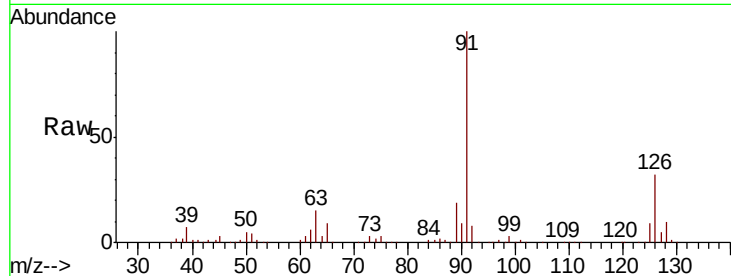
126 30.9 0.0 66.0

Manual Integrations

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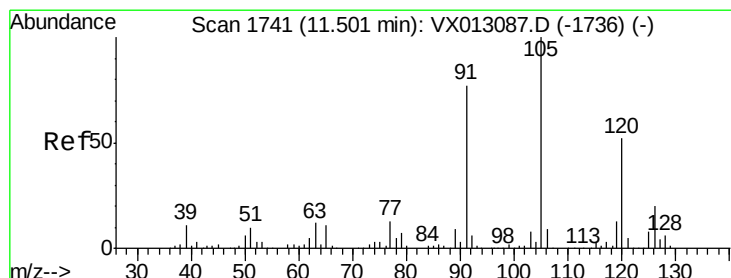
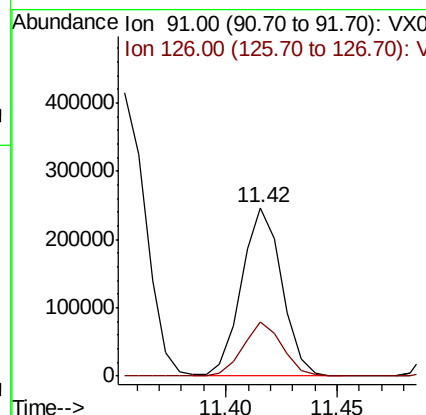
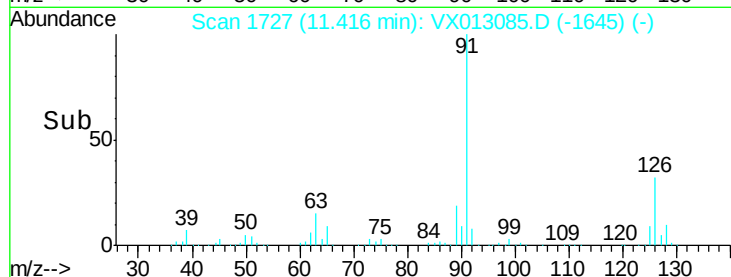
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX013085.D (-1645) (-)

Ion 126.00 (125.70 to 126.70): VX013085.D (-1645) (-)



#76

1,3,5-Trimethylbenzene

Concen: 29.888 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013085.D

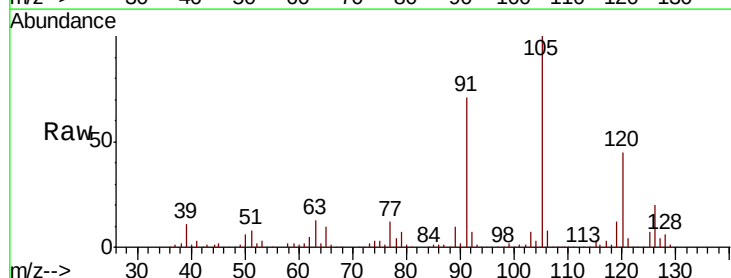
Acq: 16 Oct 2019 09:59

Tgt Ion: 105 Resp: 380137

Ion Ratio Lower Upper

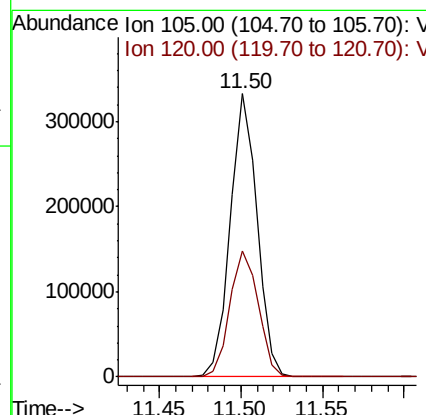
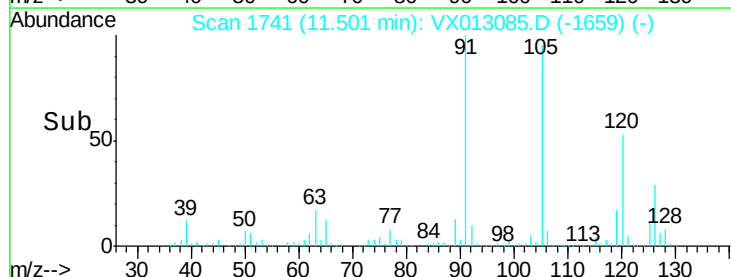
105 100

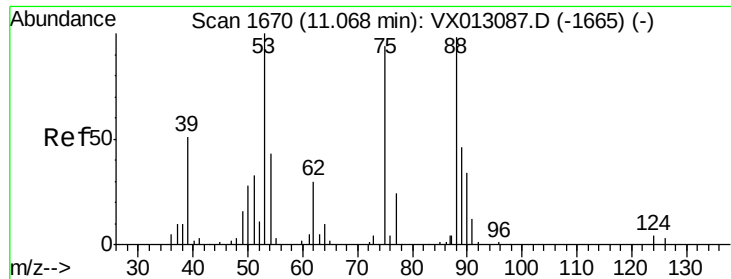
120 47.2 0.0 96.6



Abundance Ion 105.00 (104.70 to 105.70): VX013085.D (-1659) (-)

Ion 120.00 (119.70 to 120.70): VX013085.D (-1659) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 30.404 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 47589

Ion Ratio Lower Upper

75 100

53 97.5 53.1 159.4

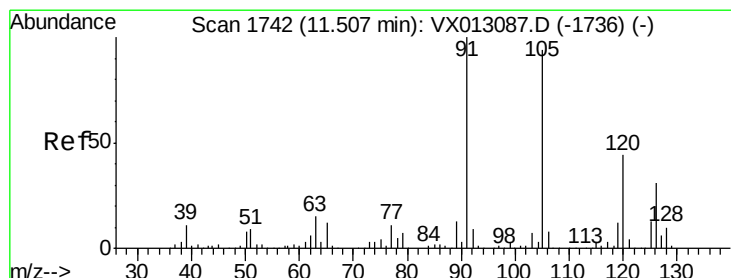
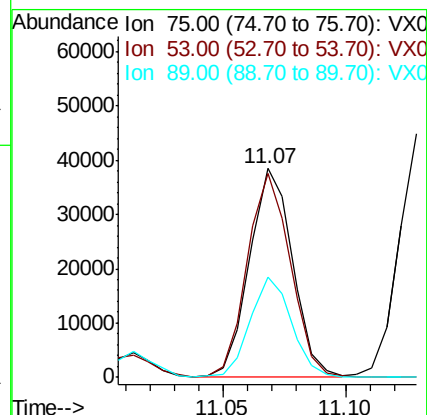
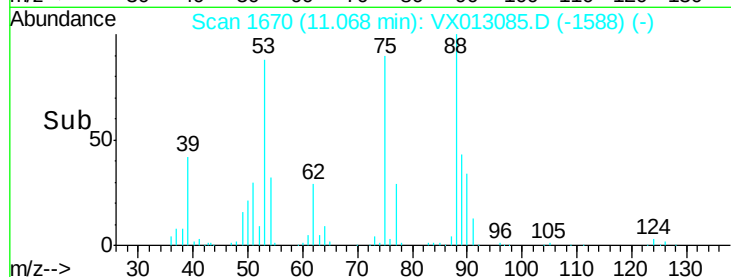
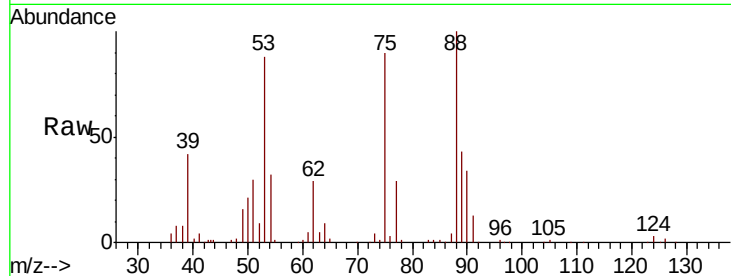
89 47.8 24.6 73.8

Manual Integrations

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#78

4-Chlorotoluene

Concen: 29.250 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013085.D

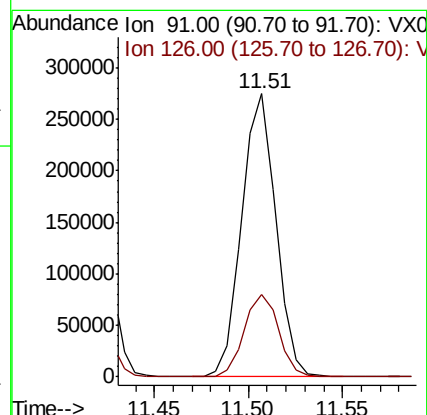
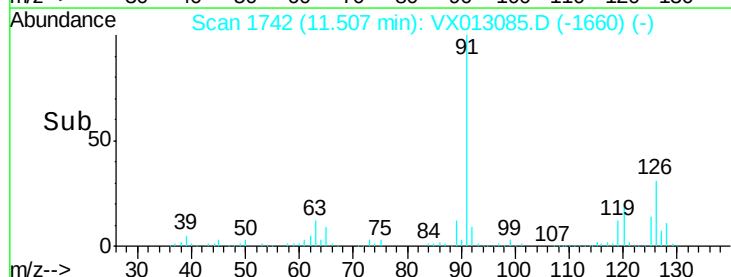
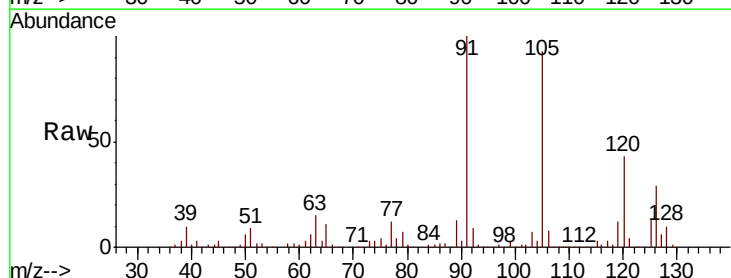
Acq: 16 Oct 2019 09:59

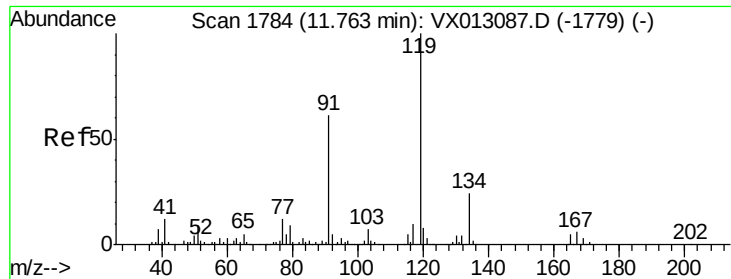
Tgt Ion: 91 Resp: 345939

Ion Ratio Lower Upper

91 100

126 29.2 0.0 57.0





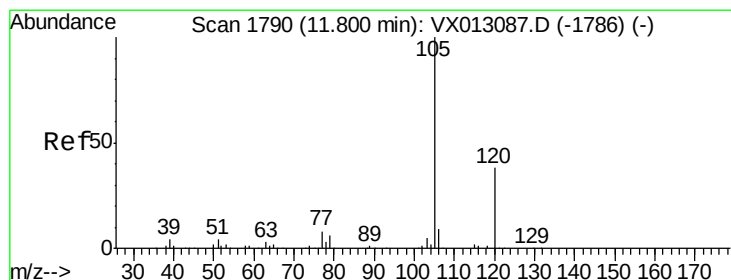
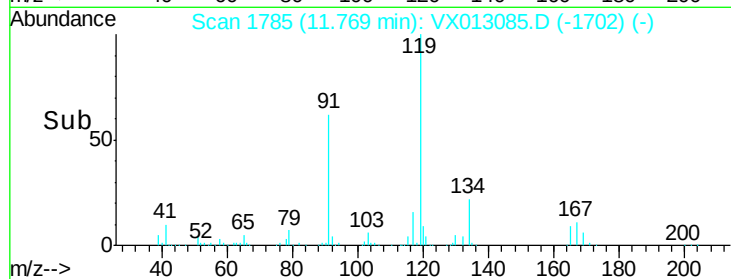
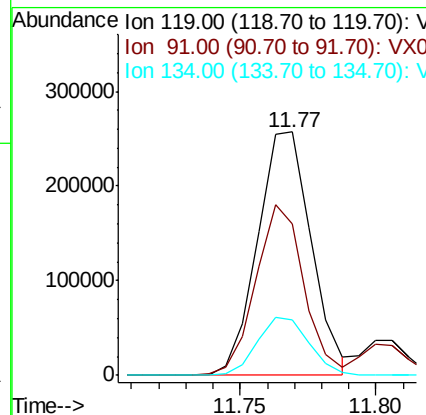
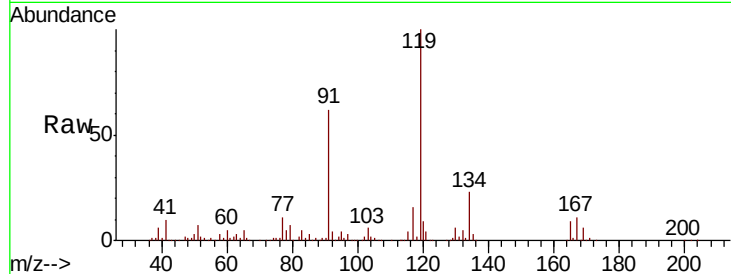
#79
tert-butylbenzene
Concen: 29.431 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	352126		
91	63.0		0.0	122.2
134	23.0		0.0	46.6

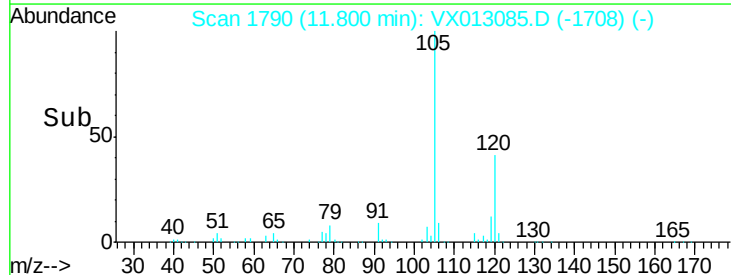
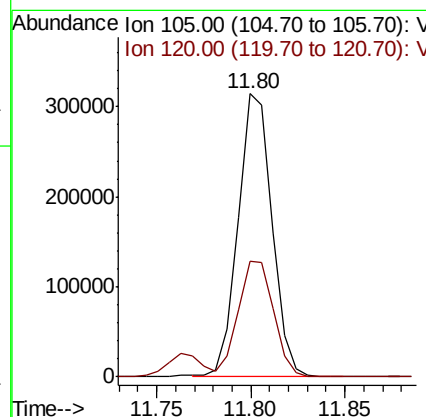
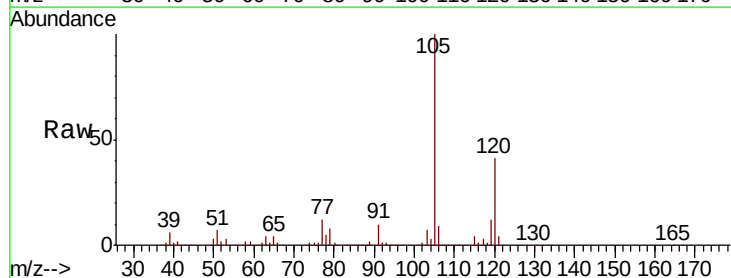
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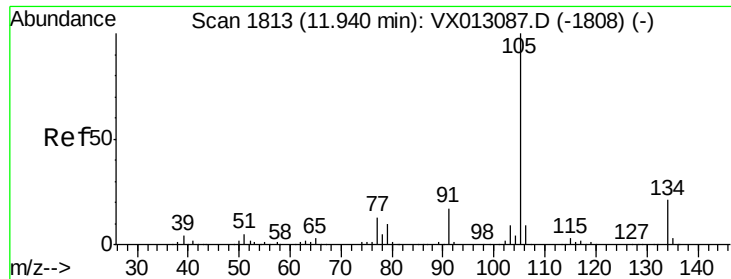
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#80
1,2,4-Trimethylbenzene
Concen: 30.884 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	391728		
120	42.7		0.0	85.8





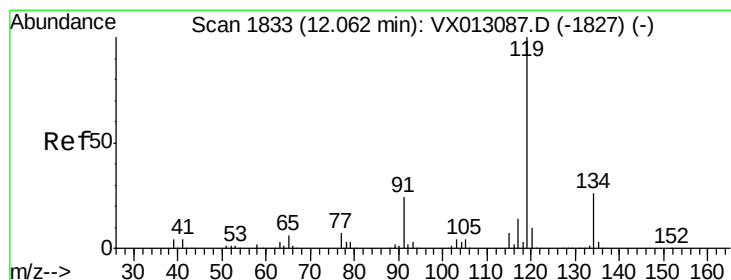
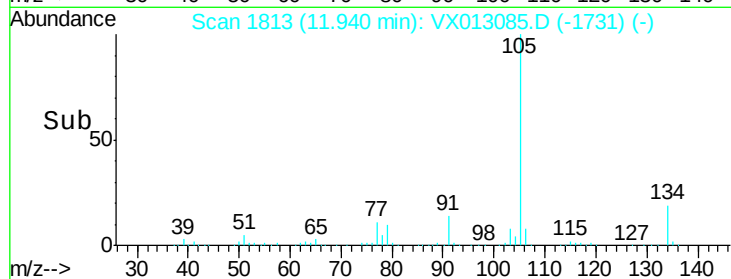
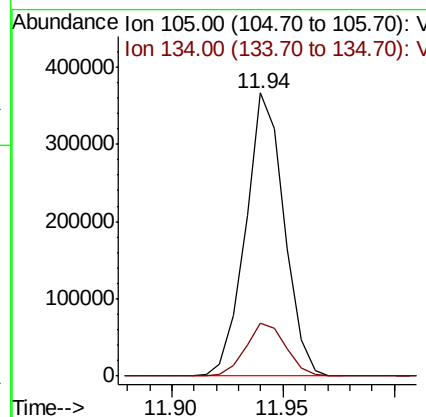
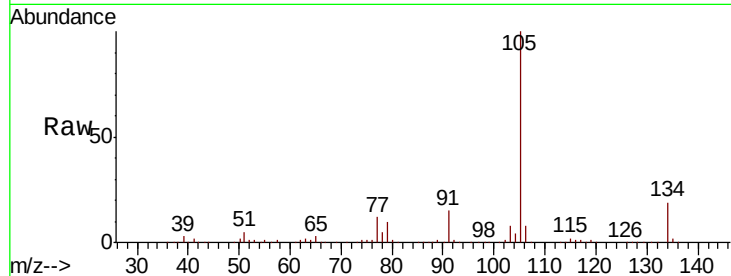
#81
 sec-Butylbenzene
 Concen: 30.637 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	0.0	39.6

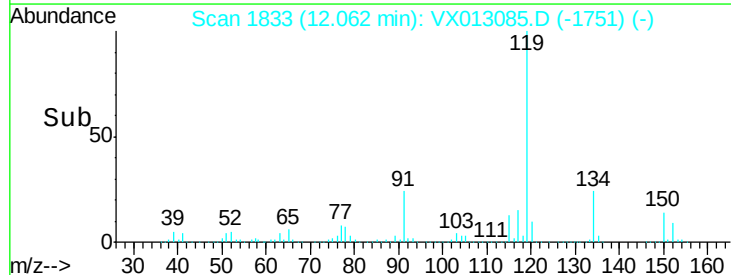
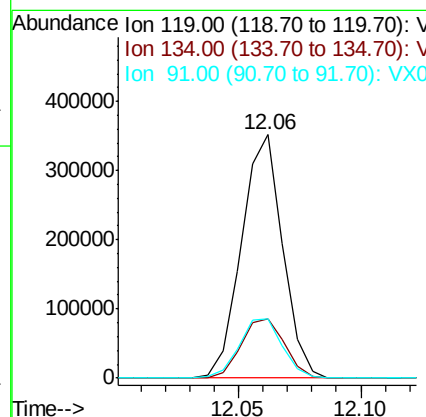
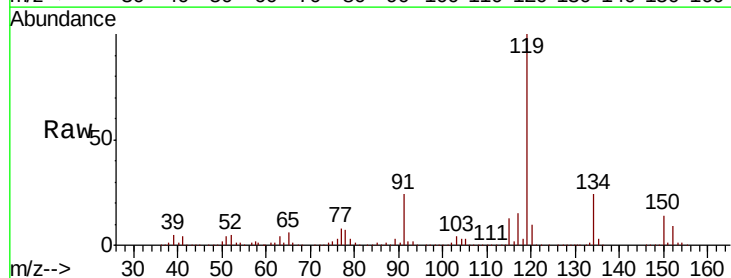
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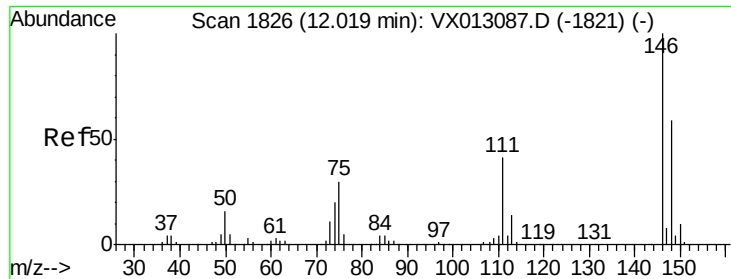
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#82
 p-Isopropyltoluene
 Concen: 31.161 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	52.0
91	25.5	0.0	50.4





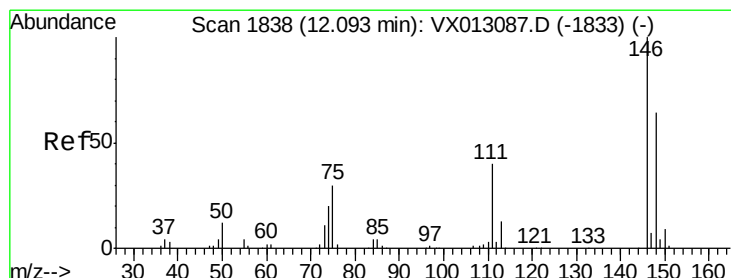
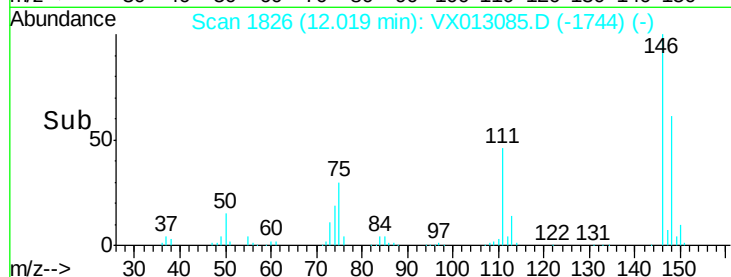
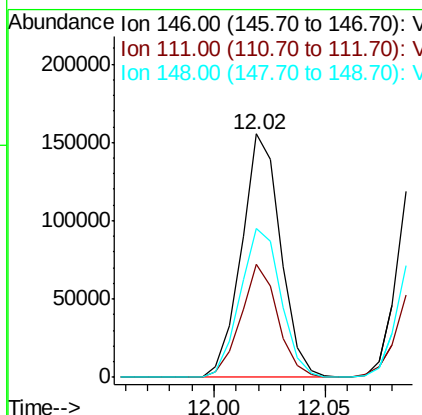
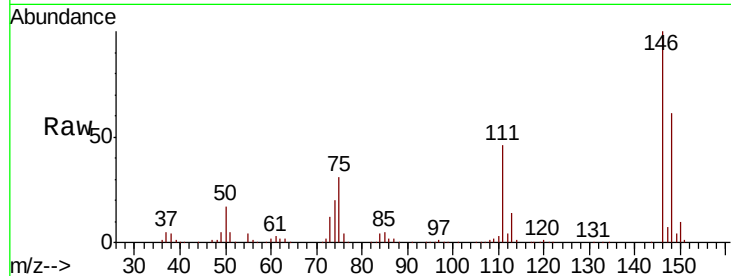
#83
 1,3-Dichlorobenzene
 Concen: 29.475 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.3	63.9
148	63.9	30.4	91.2

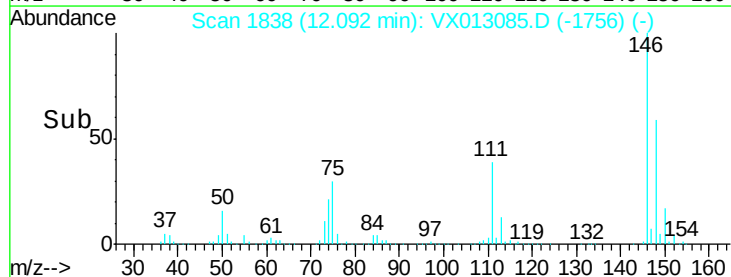
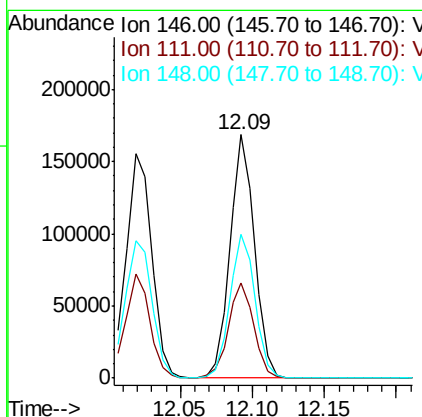
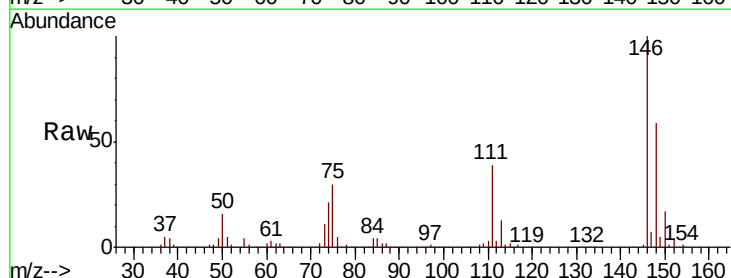
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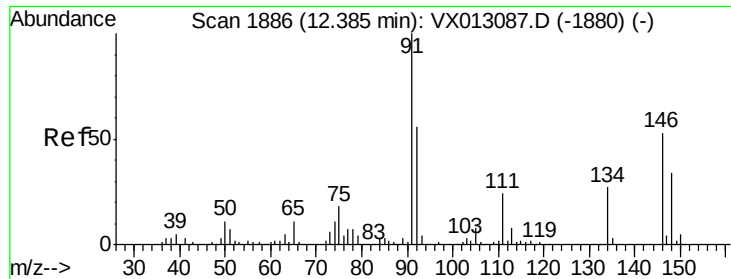
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#84
 1,4-Dichlorobenzene
 Concen: 31.150 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	60.7	31.9	95.7





#85

n-Butylbenzene

Concen: 30.420 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

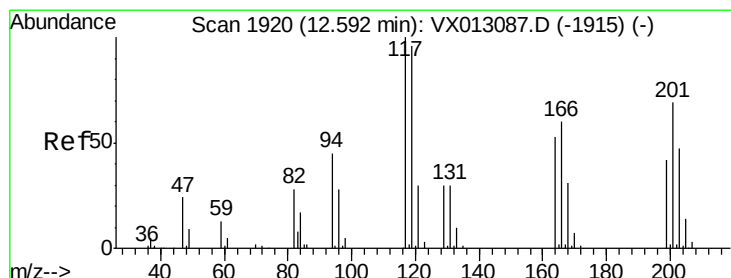
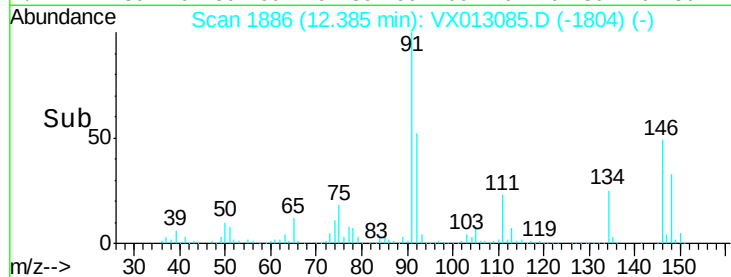
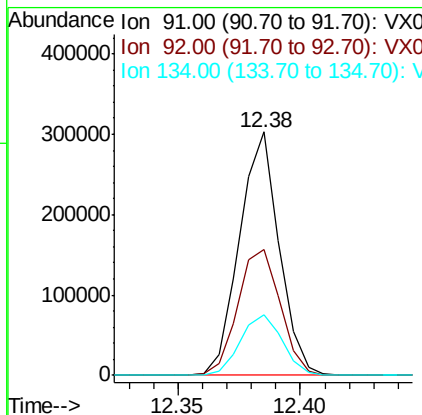
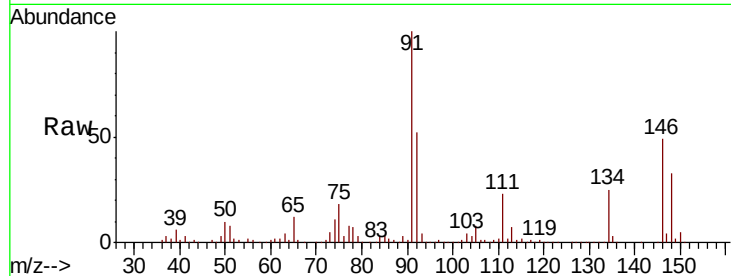
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	341253
Ion Ratio	Lower	Upper	
91	100		
92	55.4	0.0	109.4
134	26.3	0.0	51.6

Manual Integrations
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#86

Hexachloroethane

Concen: 30.544 ug/l

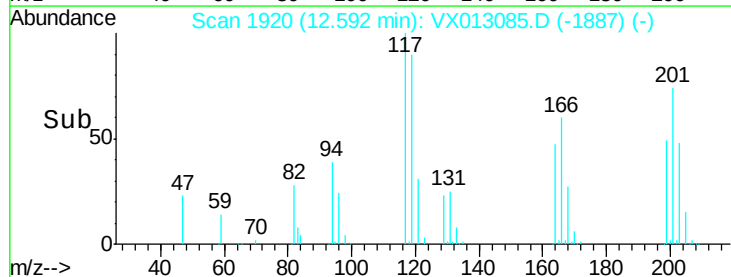
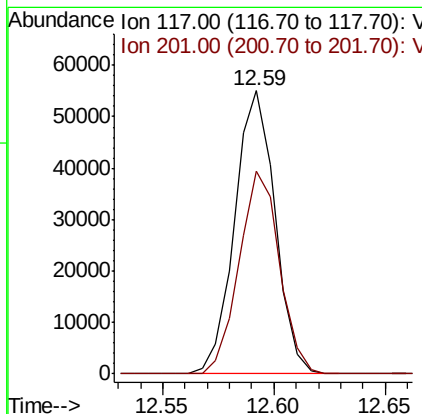
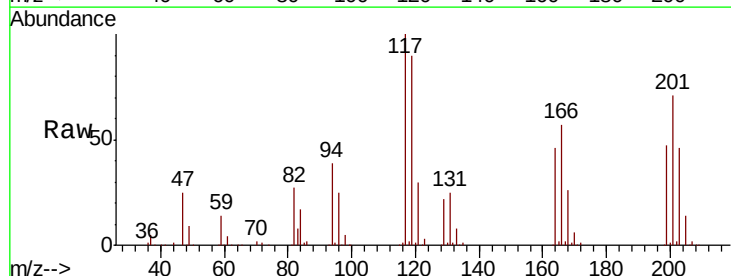
RT: 12.59 min Scan# 1920

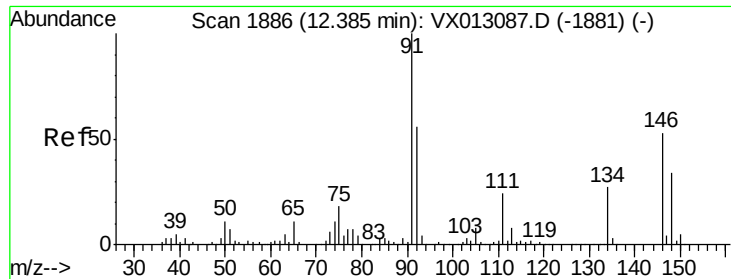
Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Tgt Ion:	117	Resp:	69563
Ion Ratio	Lower	Upper	
117	100		
201	72.0	34.2	102.5





#87

1,2-Dichlorobenzene

Concen: 30.875 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Instrument :

MSVOA_X

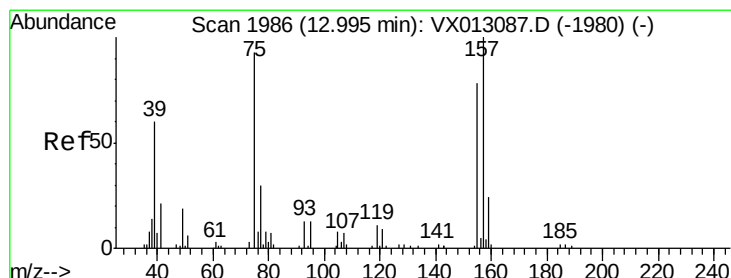
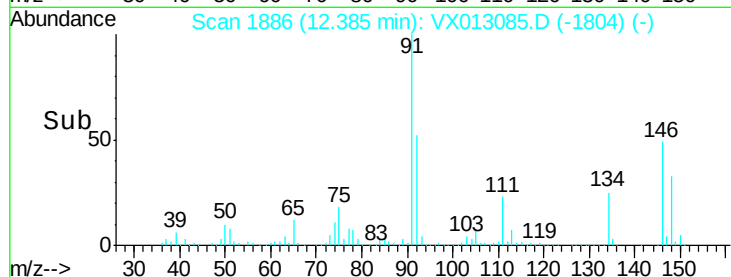
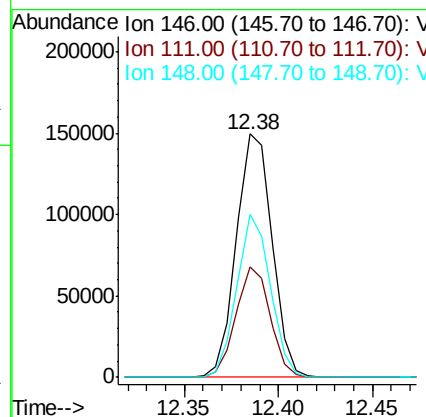
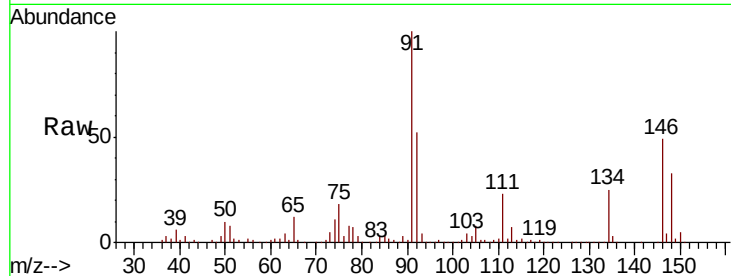
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	196759
Ion Ratio	Lower	Upper	
146	100		
111	43.8	22.3	66.9
148	63.0	32.7	98.1

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 29.699 ug/l

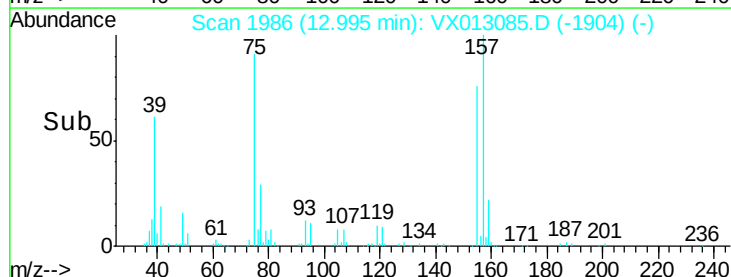
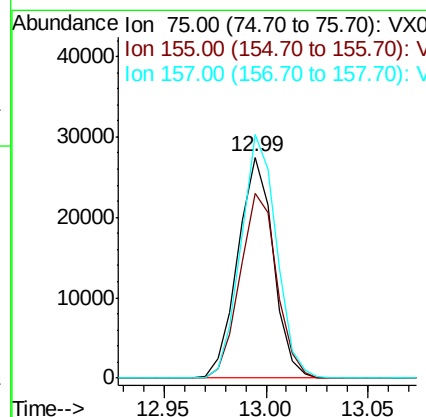
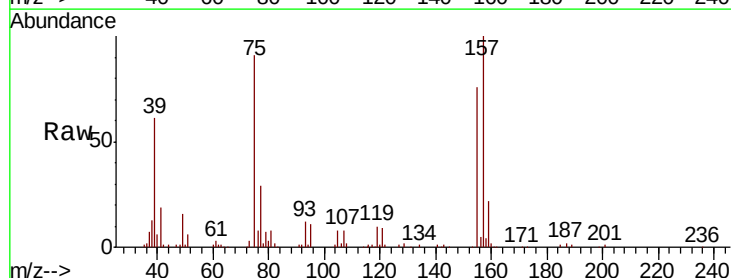
RT: 12.99 min Scan# 1986

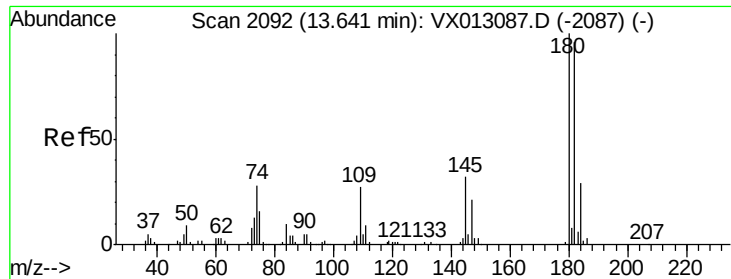
Delta R.T. -0.00 min

Lab File: VX013085.D

Acq: 16 Oct 2019 09:59

Tgt Ion:	75	Resp:	33173
Ion Ratio	Lower	Upper	
75	100		
155	86.4	68.4	102.6
157	110.7	85.6	128.4





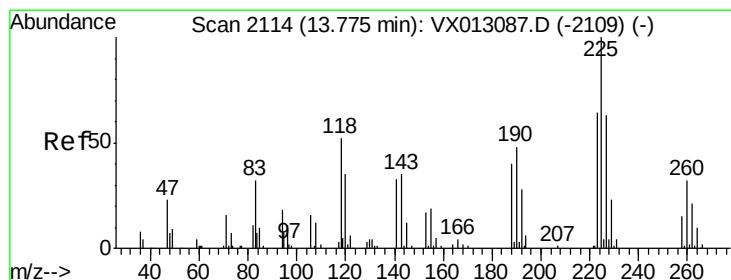
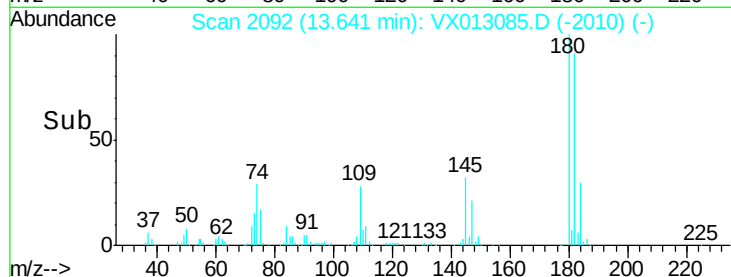
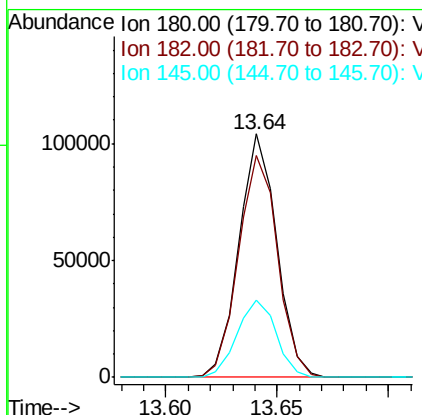
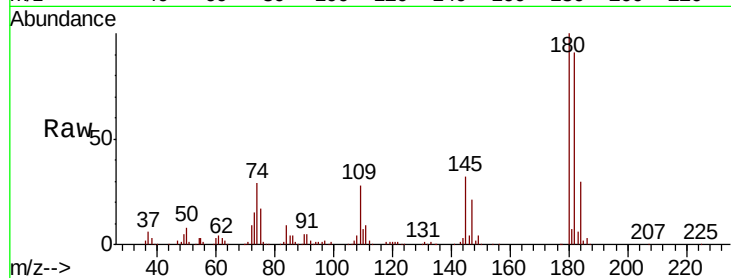
#89
 1,2,4-Trichlorobenzene
 Concen: 31.118 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.8	112.2
145	32.9	26.2	39.2

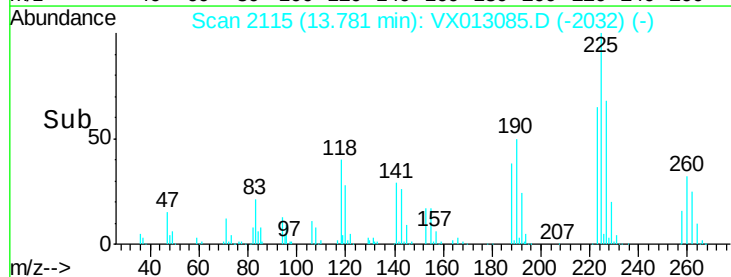
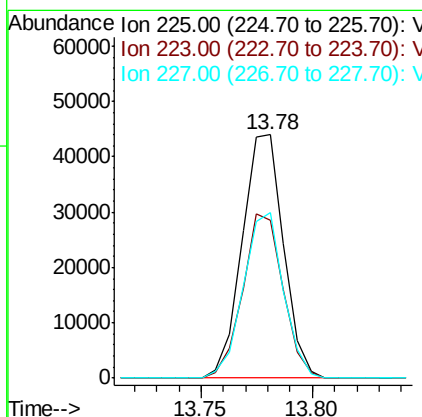
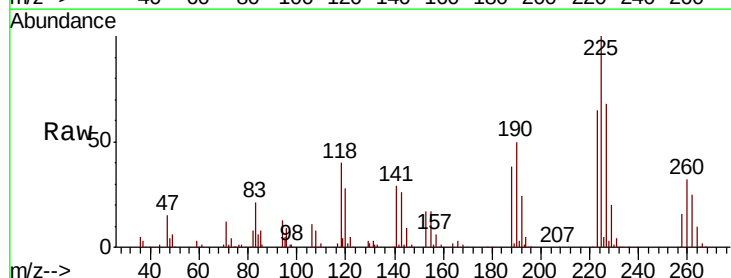
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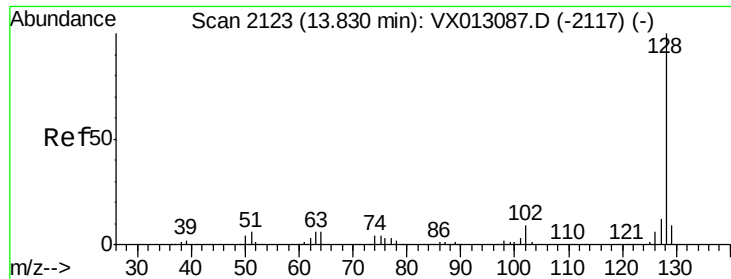
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#90
 Hexachlorobutadiene
 Concen: 30.283 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX013085.D
 Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.5	0.0	132.2
227	65.7	0.0	124.2





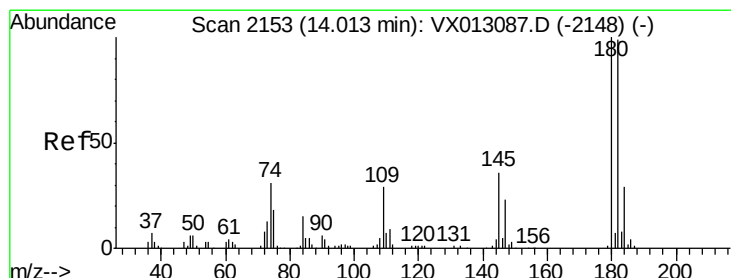
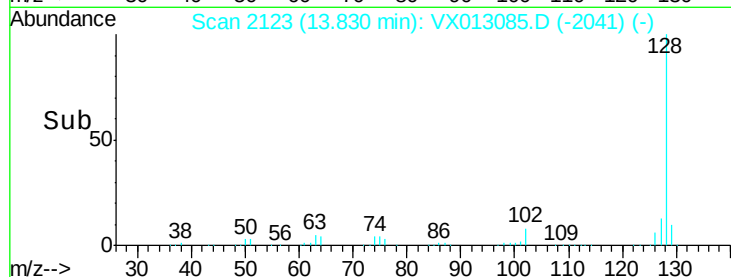
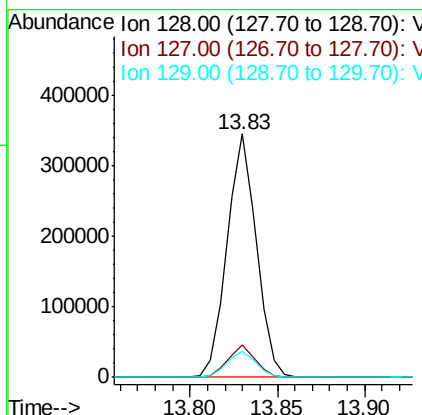
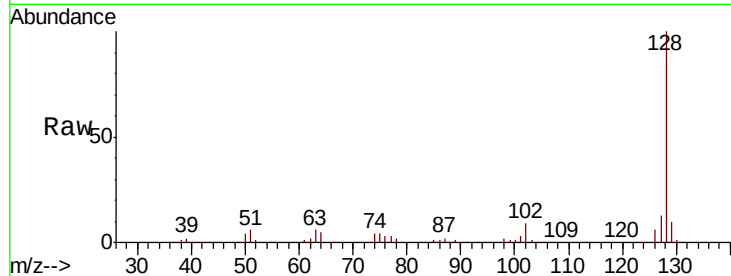
#91
Naphthalene
Concen: 29.805 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	10.7	8.0	12.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 30.790 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013085.D
Acq: 16 Oct 2019 09:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	195.2
145	34.1	0.0	69.8

