

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013014.D
 Acq On : 11 Oct 2019 14:23
 Operator : JC/SP
 Sample : VX1011MBS01
 Misc : 5.0µl/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 10:39:35 AM

Quant Time: Oct 12 00:04:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	167383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284151	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	117365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	105107	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
35) Dibromofluoromethane	5.48	113	83139	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	8.71	98	318680	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	11.14	95	119894	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	33817	19.820	ug/l 97
3) Chloromethane	1.32	50	35839	19.301	ug/l 98
4) Vinyl Chloride	1.40	62	37876	19.763	ug/l 100
5) Bromomethane	1.63	94	20864	26.188	ug/l 97
6) Chloroethane	1.72	64	23991	20.710	ug/l 97
7) Trichlorofluoromethane	1.92	101	53439	20.658	ug/l 99
8) Diethyl Ether	2.18	74	20861	19.979	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	34948	20.875	ug/l 100
10) Methyl Iodide	2.50	142	33479	20.939	ug/l 99
11) Tert butyl alcohol	3.03	59	50615	91.266	ug/l 98
12) 1,1-Dichloroethene	2.36	96	34322	20.291	ug/l 98
13) Acrolein	2.28	56	26287	66.697	ug/l 99
14) Allyl chloride	2.72	41	60427	20.060	ug/l 98
15) Acrylonitrile	3.13	53	109483	104.171	ug/l 99
16) Acetone	2.43	43	112329	101.864	ug/l 99
17) Carbon Disulfide	2.56	76	85838	17.797	ug/l 99
18) Methyl Acetate	2.76	43	52743	20.179	ug/l 100
19) Methyl tert-butyl Ether	3.18	73	122484	20.969	ug/l 99
20) Methylene Chloride	2.85	84	40559	20.013	ug/l 95
21) trans-1,2-Dichloroethene	3.15	96	37133	20.482	ug/l 93
22) Diisopropyl ether	3.84	45	122546	21.231	ug/l 90
23) Vinyl Acetate	3.80	43	514732	103.299	ug/l 99
24) 1,1-Dichloroethane	3.69	63	67811	20.883	ug/l 99
25) 2-Butanone	4.66	43	155057	101.352	ug/l 98
26) 2,2-Dichloropropane	4.58	77	56481	20.684	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	43133	20.640	ug/l 100
28) Bromochloromethane	5.00	49	21977	22.399	ug/l 99
29) Tetrahydrofuran	5.12	42	93775	99.608	ug/l 99
30) Chloroform	5.20	83	70178	21.062	ug/l 100
31) Cyclohexane	5.57	56	61194	20.153	ug/l 94
32) 1,1,1-Trichloroethane	5.49	97	58758	20.813	ug/l 100
36) 1,1-Dichloropropene	5.79	75	51215	20.500	ug/l 99
37) Ethyl Acetate	4.82	43	55956	20.030	ug/l 100
38) Carbon Tetrachloride	5.78	117	48037	19.755	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	61284	20.228	ug/l	100
40) Benzene	6.14	78	151974	20.596	ug/l	97
41) Methacrylonitrile	5.03	41	30381	19.792	ug/l	97
42) 1,2-Dichloroethane	6.18	62	55790	21.071	ug/l	98
43) Isopropyl Acetate	6.43	43	89801	20.028	ug/l	98
44) Trichloroethene	7.20	130	40444	19.766	ug/l	90
45) 1,2-Dichloropropane	7.51	63	39699	21.110	ug/l	100
46) Dibromomethane	7.65	93	25883	20.658	ug/l	98
47) Bromodichloromethane	7.89	83	50527	20.664	ug/l	99
48) Methyl methacrylate	7.76	41	44041	20.156	ug/l	99
49) 1,4-Dioxane	7.73	88	20991	380.519	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	290209	103.813	ug/l	100
52) Toluene	8.78	92	97002	20.549	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	54751	19.333	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	60929	20.260	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	40203	21.520	ug/l	95
56) Ethyl methacrylate	9.17	69	62674	19.880	ug/l	99
57) 1,3-Dichloropropane	9.37	76	67017	20.739	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	137038	99.855	ug/l	100
59) 2-Hexanone	9.48	43	221117	101.611	ug/l	98
60) Dibromochloromethane	9.58	129	37537	19.242	ug/l	99
61) 1,2-Dibromoethane	9.67	107	40294	20.504	ug/l	97
64) Tetrachloroethene	9.33	164	38060	21.868	ug/l	97
65) Chlorobenzene	10.14	112	102978	20.666	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	36092	20.890	ug/l	99
67) Ethyl Benzene	10.25	91	184343	20.827	ug/l	97
68) m/p-Xylenes	10.35	106	140531	42.499	ug/l	99
69) o-Xylene	10.70	106	68735	21.316	ug/l	97
70) Styrene	10.71	104	115811	21.126	ug/l	99
71) Bromoform	10.85	173	25168	19.161	ug/l #	95
73) Isopropylbenzene	11.01	105	182216	21.117	ug/l	100
74) N-amyl acetate	10.89	43	74517	20.052	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	59631	20.778	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	56245m	21.607	ug/l	
77) Bromobenzene	11.25	156	42412	20.858	ug/l	97
78) n-propylbenzene	11.35	91	201397	21.211	ug/l	99
79) 2-Chlorotoluene	11.42	91	125632	21.053	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	155944	21.643	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	16489	19.042	ug/l	98
82) 4-Chlorotoluene	11.51	91	143437	20.971	ug/l	99
83) tert-Butylbenzene	11.76	119	148439	21.119	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	154071	21.114	ug/l	100
85) sec-Butylbenzene	11.94	105	170620	20.953	ug/l	100
86) p-Isopropyltoluene	12.06	119	155714	20.619	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	76971	20.384	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	76876	20.102	ug/l	99
89) n-Butylbenzene	12.38	91	135407	21.333	ug/l	98
90) Hexachloroethane	12.59	117	24525	18.909	ug/l	100
91) 1,2-Dichlorobenzene	12.38	146	77052	20.815	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13070	19.430	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	46138	19.896	ug/l	97
94) Hexachlorobutadiene	13.77	225	21770	20.342	ug/l	100
95) Naphthalene	13.83	128	163725	20.367	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	48490	20.235	ug/l	99

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

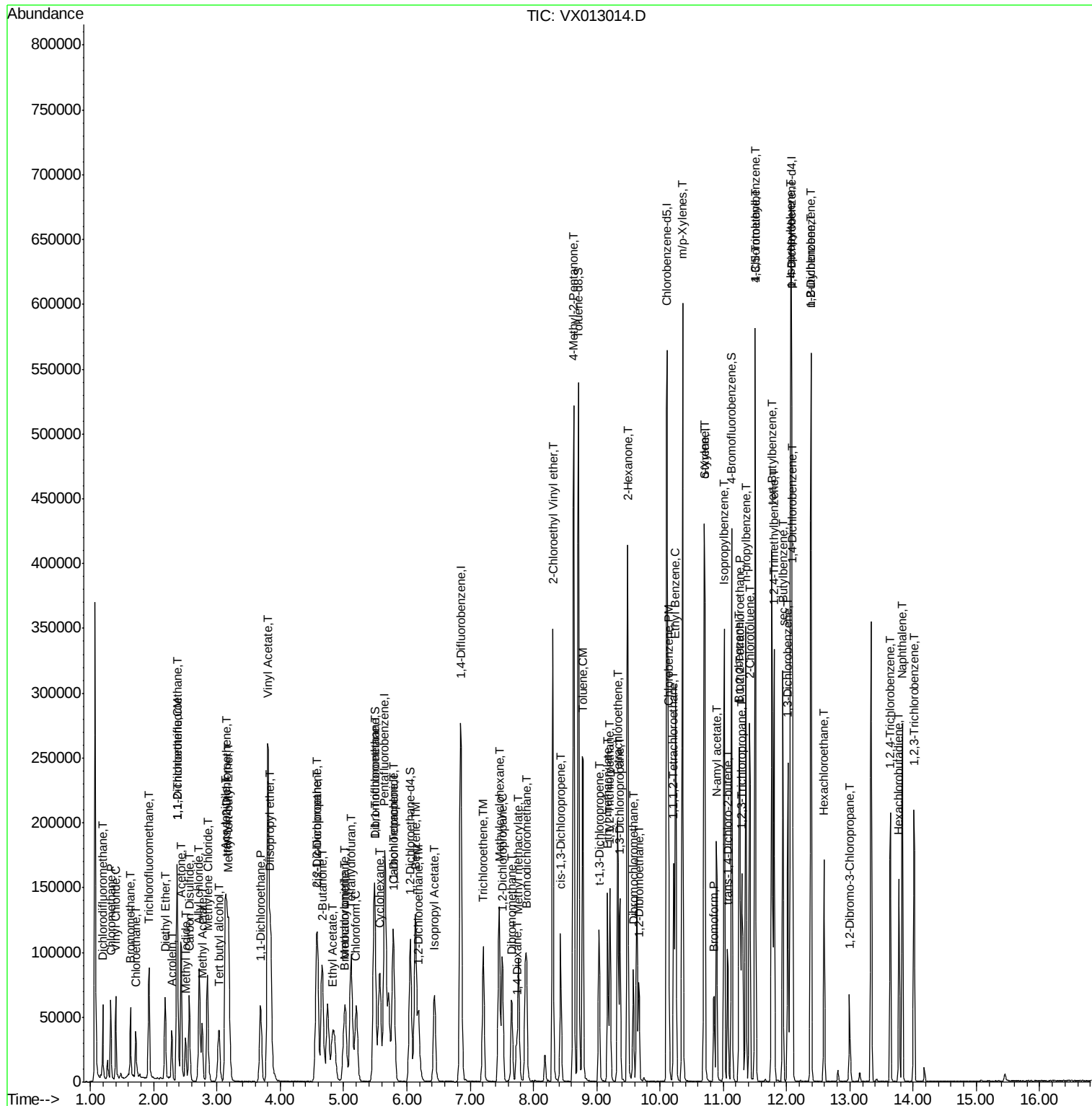
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX101119\  
Data File : VX013014.D  
Acq On    : 11 Oct 2019 14:23  
Operator  : JC/SP  
Sample    : VX1011MBS01  
Misc      : 5.0µ/10mL/100uL/5.0mL/MSVOA_X/MEOH  
ALS Vial  : 6 Sample Multiplier: 1
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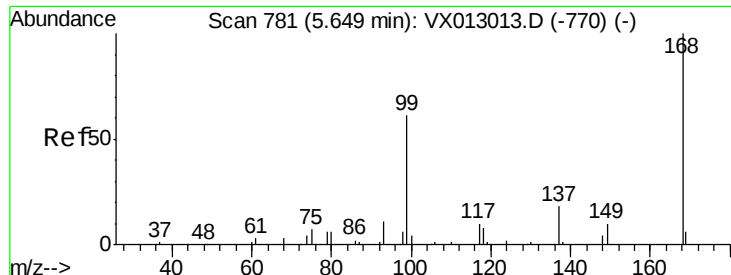
Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Manual Integrations APPROVED

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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion:168 Resp: 167383

Ion Ratio Lower Upper

168 100

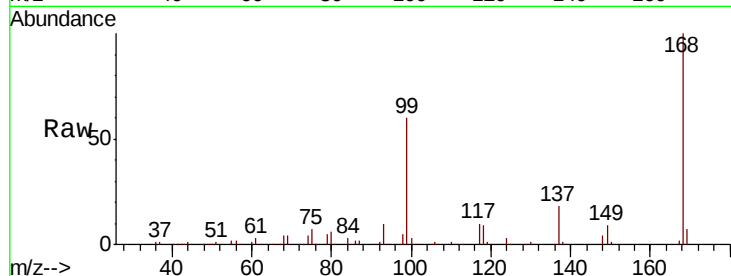
99 60.4 49.4 74.0

Manual Integrations

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10/14/2019 10:39:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

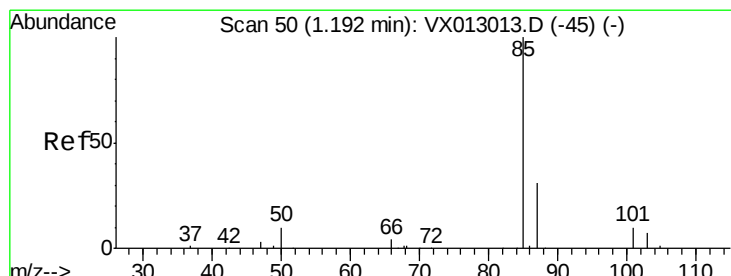
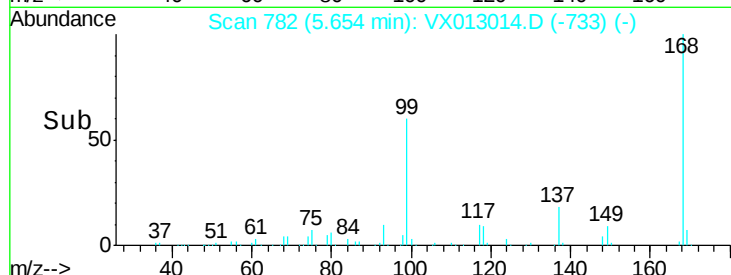
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.820 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX013014.D

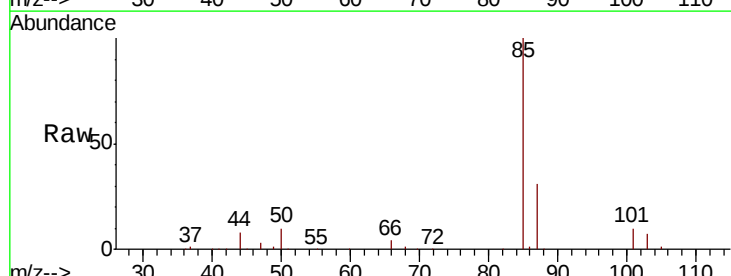
Acq: 11 Oct 2019 14:23

Tgt Ion: 85 Resp: 33817

Ion Ratio Lower Upper

85 100

87 31.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

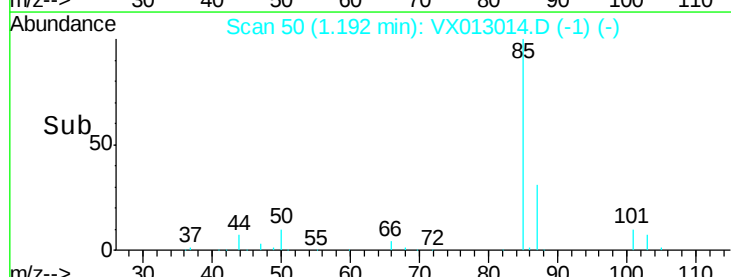
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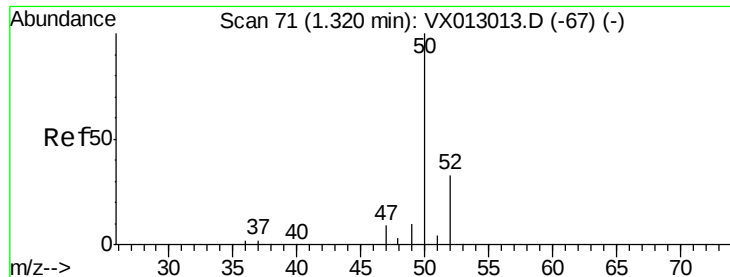
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10000

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Time-->





#3

Chloromethane

Concen: 19.301 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion: 50 Resp: 35839

Ion Ratio Lower Upper

50 100

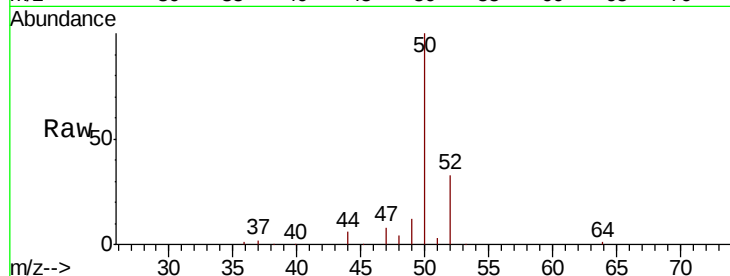
52 32.7 25.2 37.8

Manual Integrations

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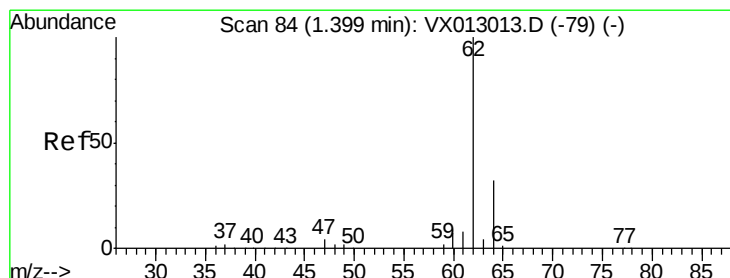
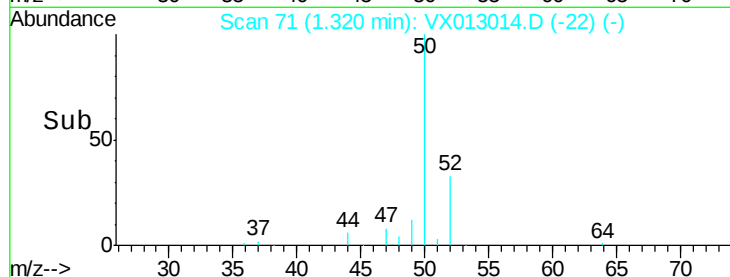
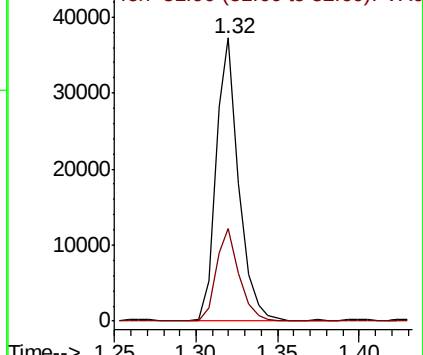
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.763 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013014.D

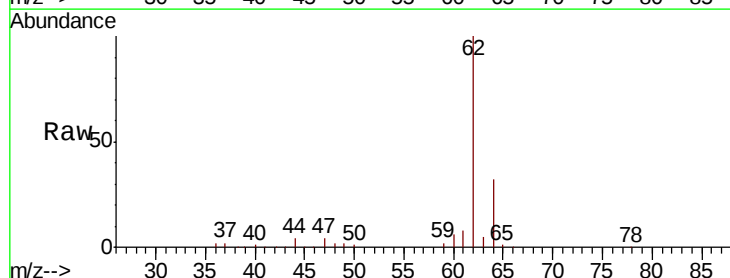
Acq: 11 Oct 2019 14:23

Tgt Ion: 62 Resp: 37876

Ion Ratio Lower Upper

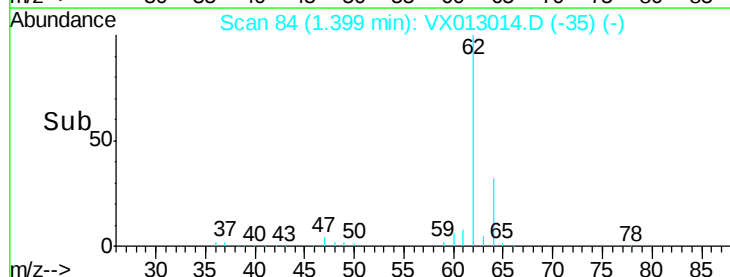
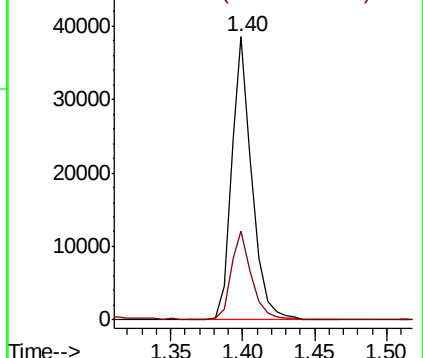
62 100

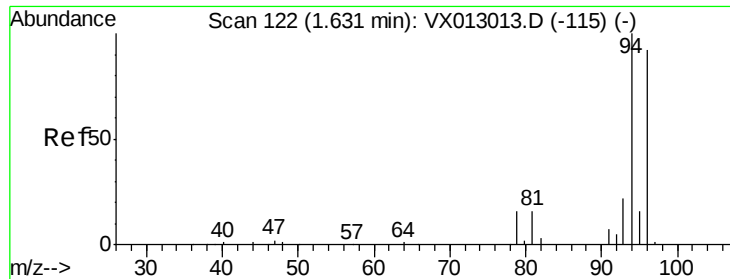
64 31.4 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 26.188 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion: 94 Resp: 20864

Ion Ratio Lower Upper

94 100

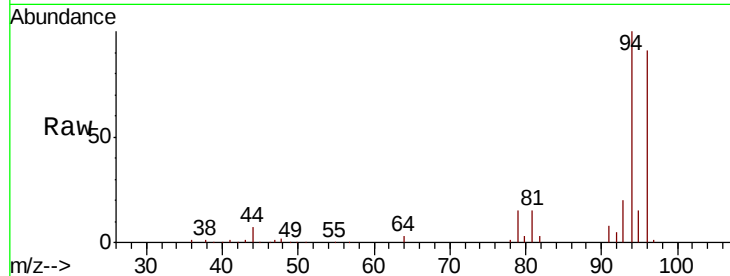
96 91.0 74.7 112.1

Manual Integrations

APPROVED

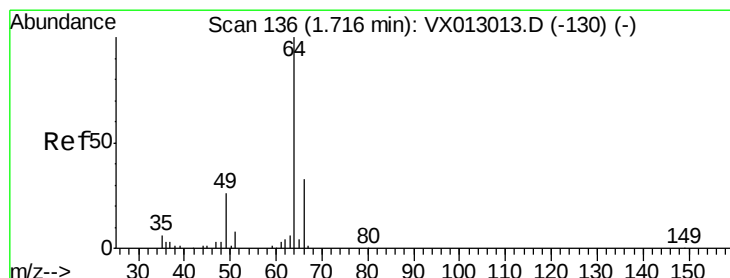
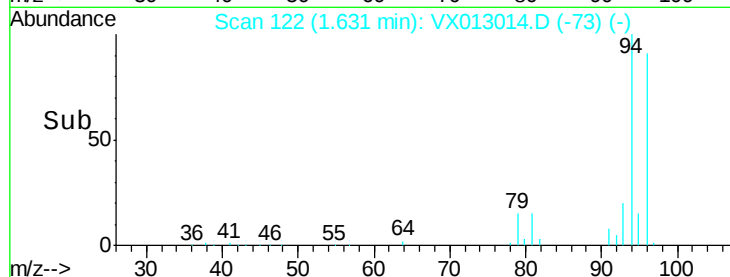
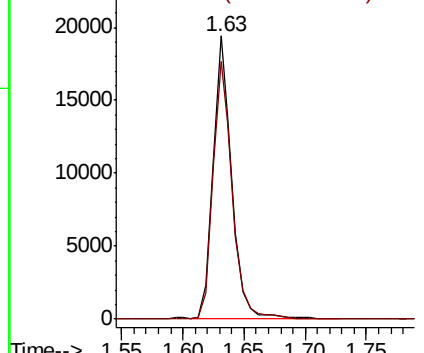
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.710 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013014.D

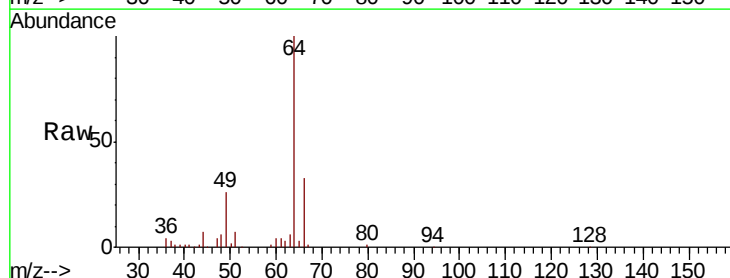
Acq: 11 Oct 2019 14:23

Tgt Ion: 64 Resp: 23991

Ion Ratio Lower Upper

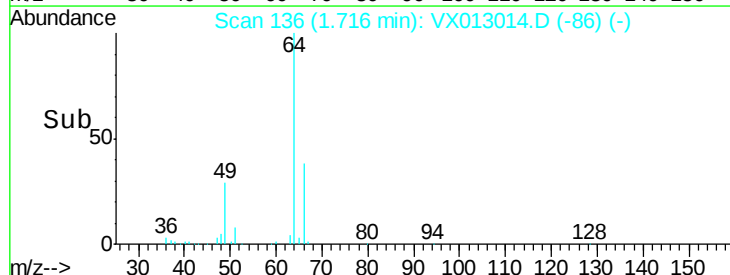
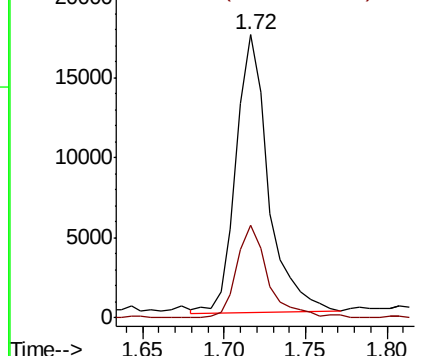
64 100

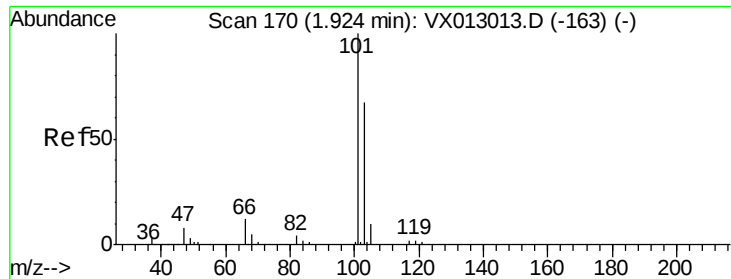
66 33.7 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

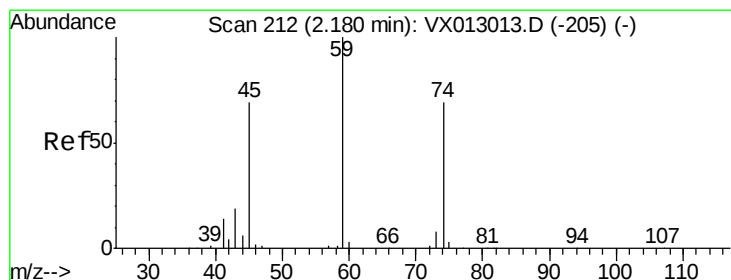
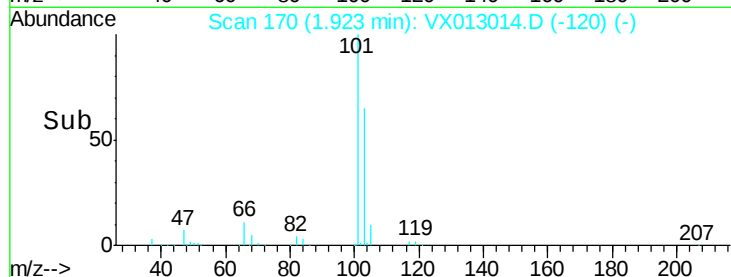
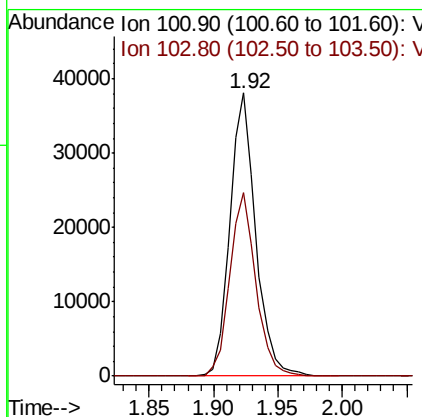
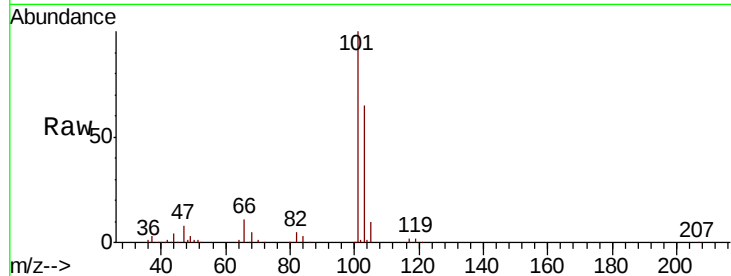
Trichlorofluoromethane
Concen: 20.658 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.5	78.7

Manual Integrations
APPROVED

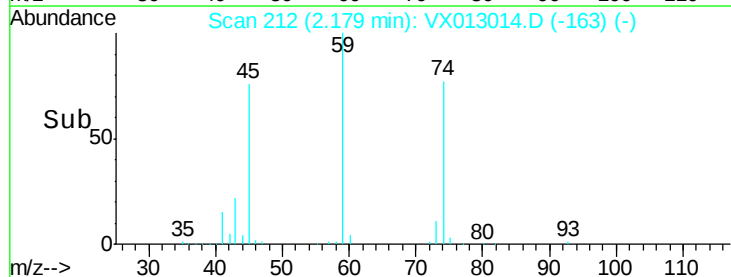
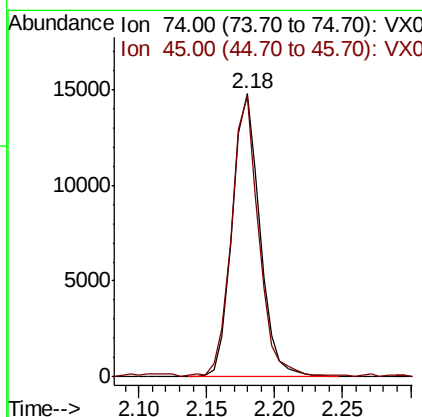
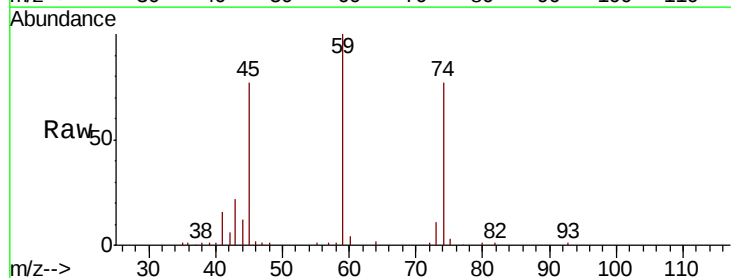
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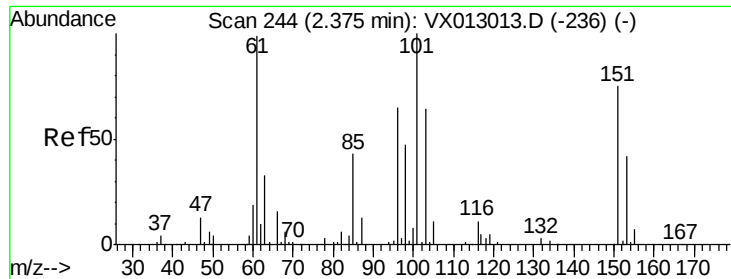


#8

Diethyl Ether
Concen: 19.979 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	47.8	143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.875 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

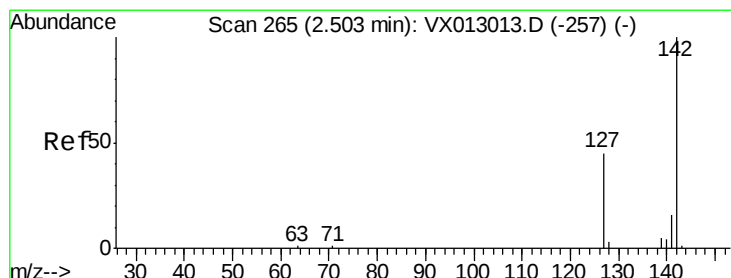
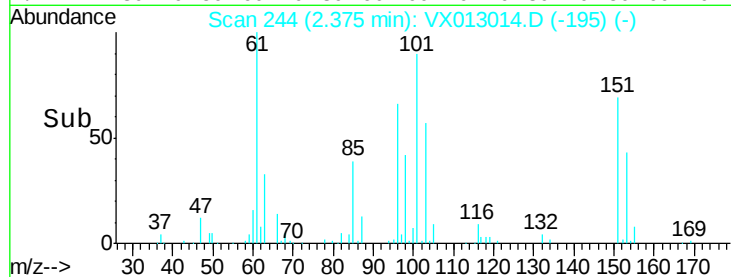
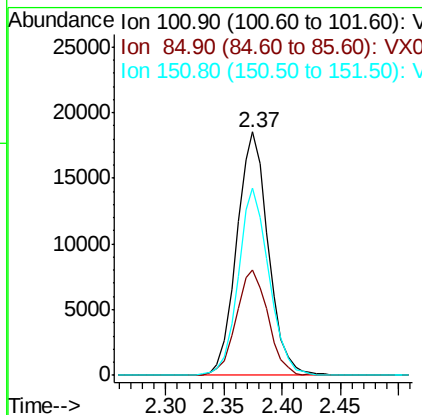
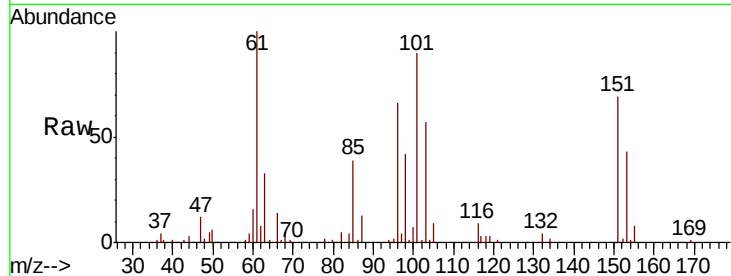
ClientSampleId :

VX1011MBS01

Tot Ion:	101	Resp:	34948
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.2	52.8
151	75.1	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 20.939 ug/l

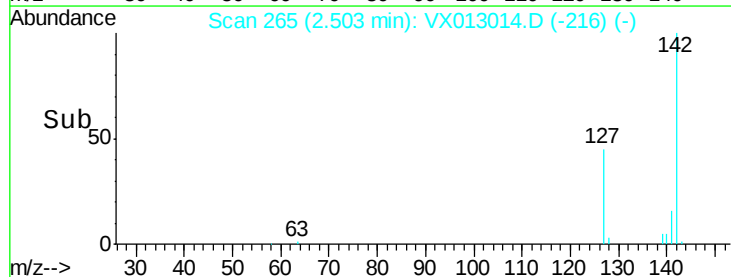
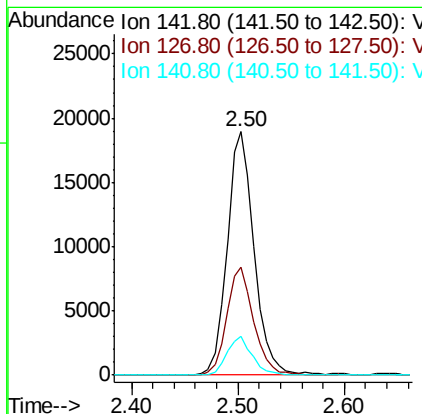
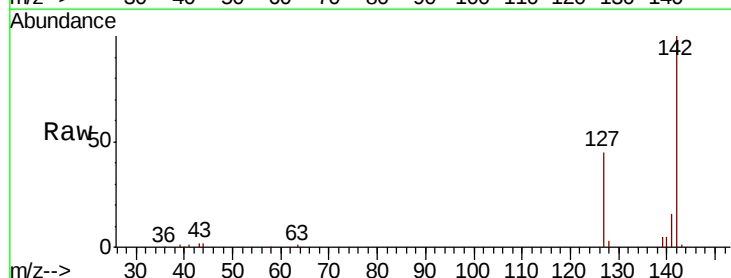
RT: 2.50 min Scan# 265

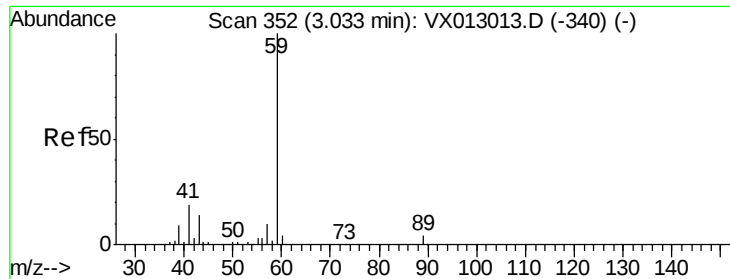
Delta R.T. 0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Tgt Ion:	142	Resp:	33479
Ion Ratio	Lower	Upper	
142	100		
127	44.4	34.9	52.3
141	14.7	11.6	17.4





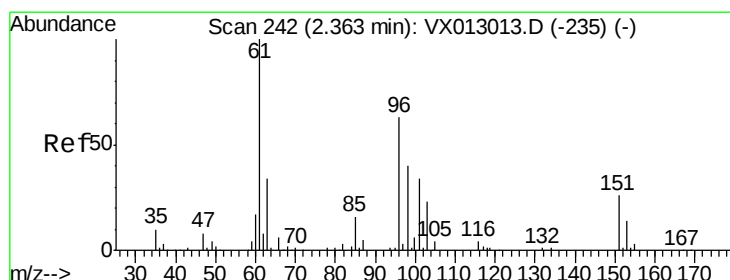
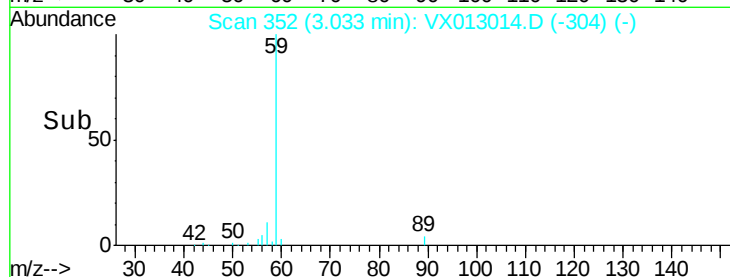
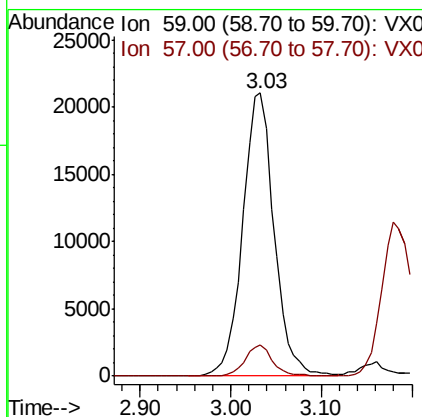
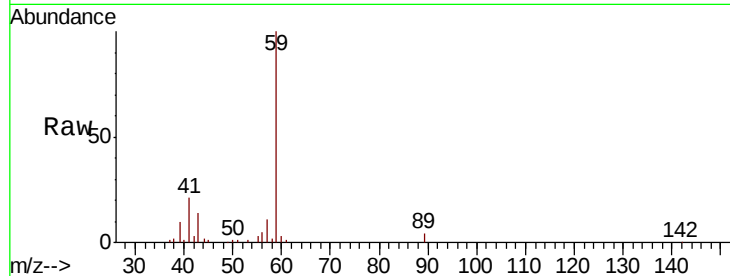
#11
Tert butyl alcohol
Concen: 91.266 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	59	57	Ratio	100	9.6	Resp	50615	Lower	8.3	Upper	12.5
Ion											

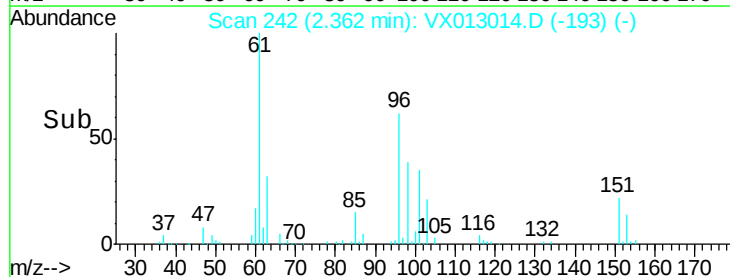
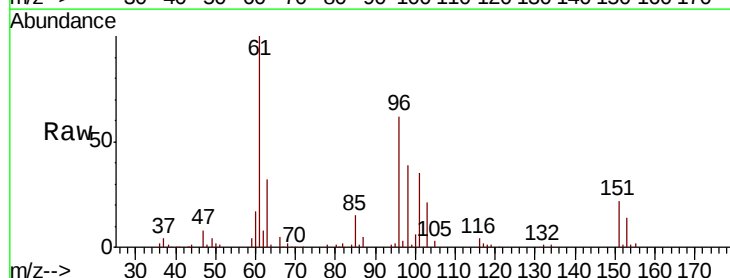
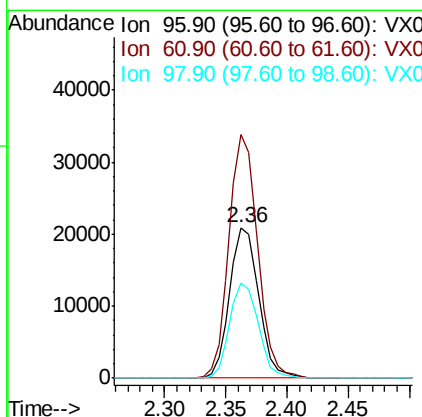
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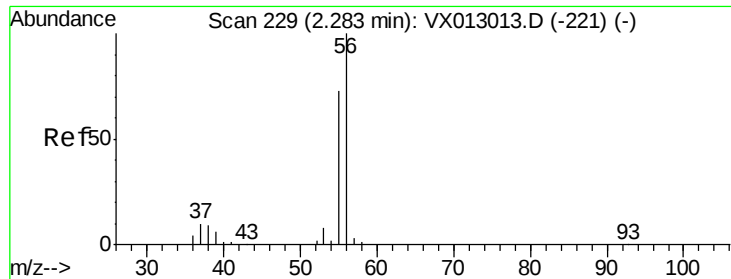
MMDadoda
10/14/2019 10:39:35 AM



#12
1,1-Dichloroethene
Concen: 20.291 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	96	61	98	Ratio	100	162.1	63.3	Resp	34322	Lower	132.2	50.5	Upper	198.4	75.7
Ion															





#13

Acrolein

Concen: 66.697 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion: 56 Resp: 26287

Ion Ratio Lower Upper

56 100

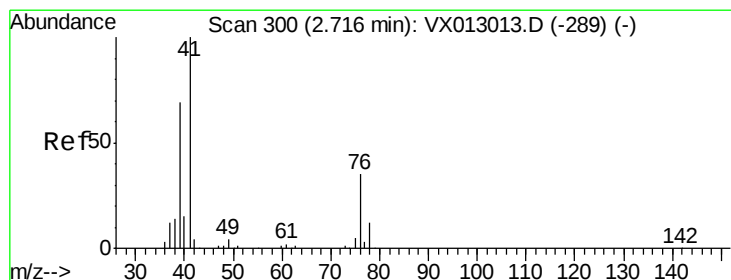
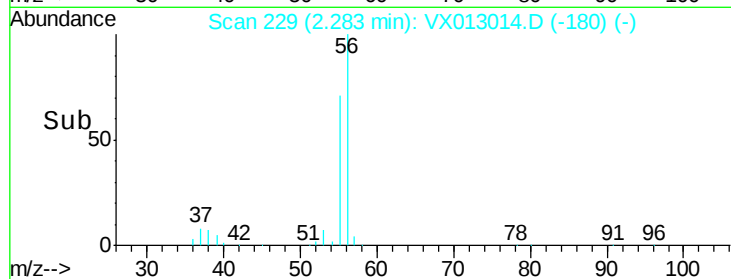
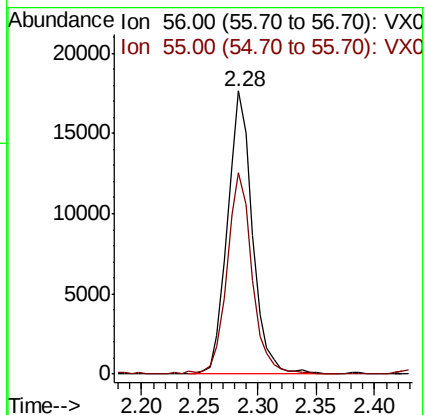
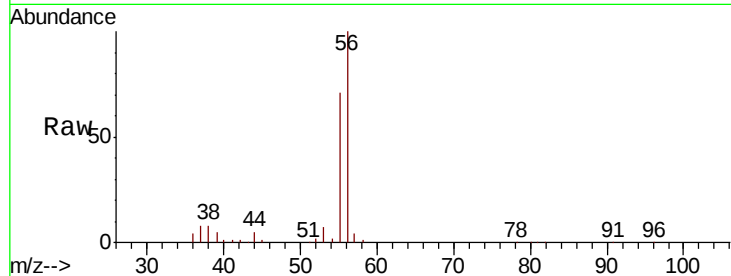
55 71.9 56.6 85.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 20.060 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

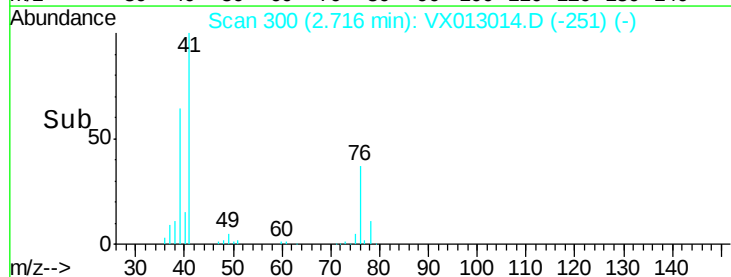
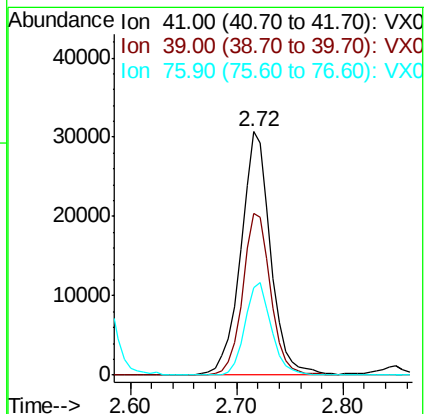
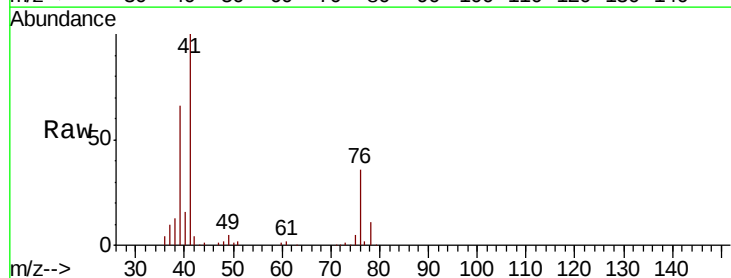
Tgt Ion: 41 Resp: 60427

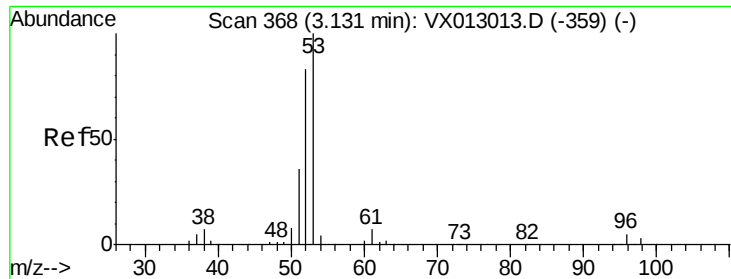
Ion Ratio Lower Upper

41 100

39 62.4 51.0 76.6

76 33.5 26.2 39.4





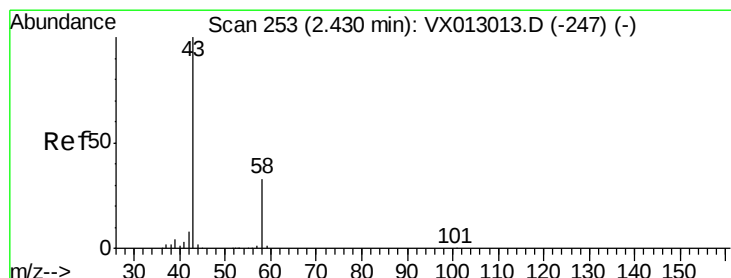
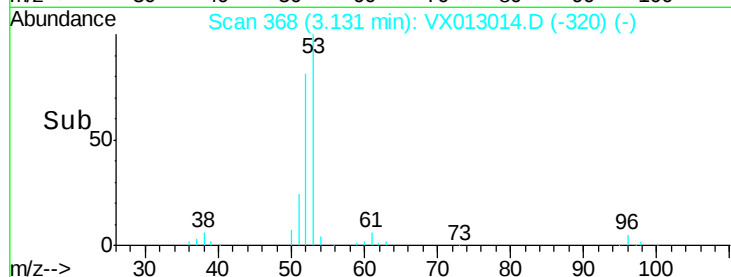
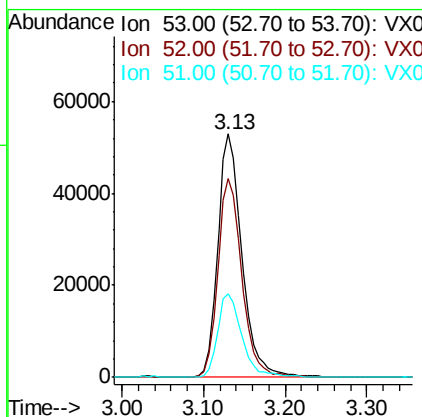
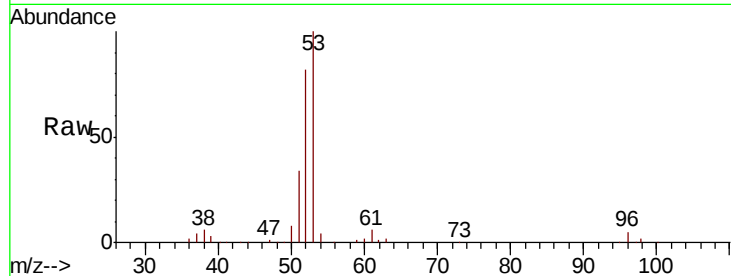
#15
 Acrylonitrile
 Concen: 104.171 ug/l
 RT: 3.13 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.2
51	34.8	28.2	42.4

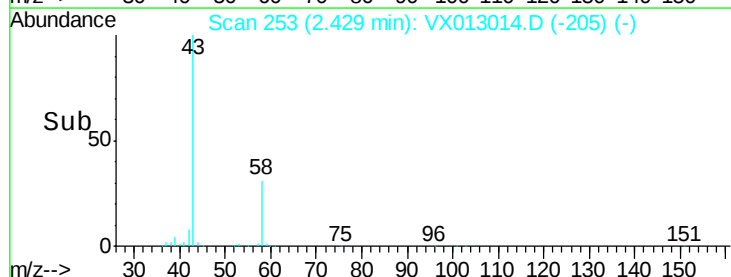
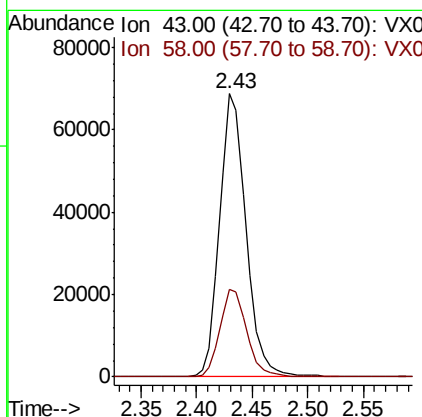
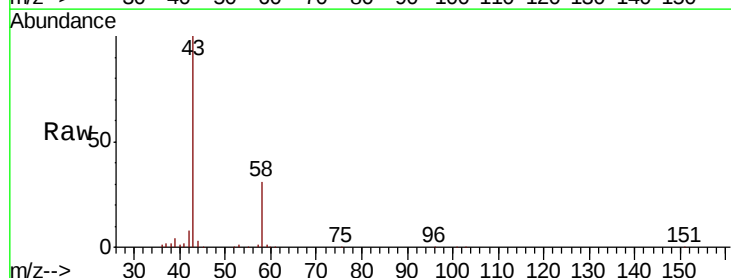
Manual Integrations
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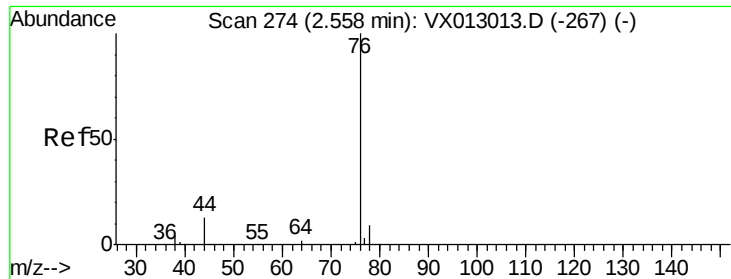
MMDadoda
 10/14/2019 10:39:35 AM



#16
 Acetone
 Concen: 101.864 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.0	25.4	38.2





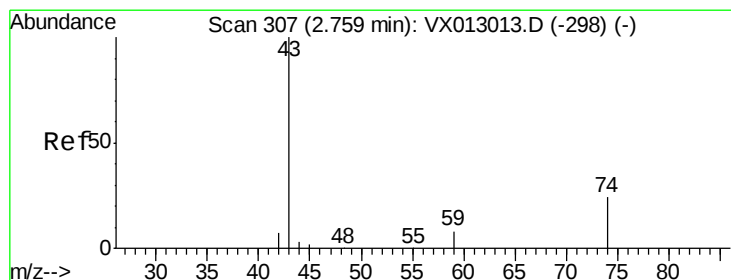
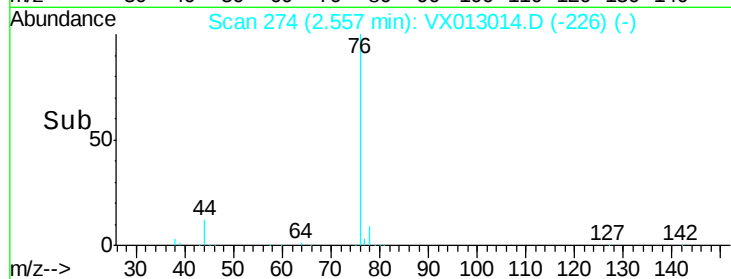
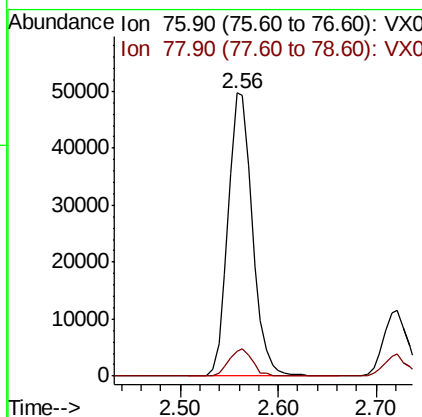
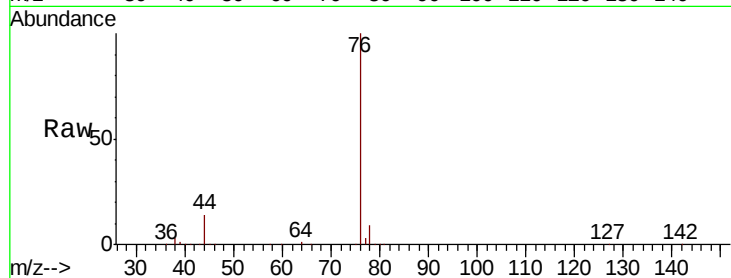
#17
Carbon Disulfide
Concen: 17.797 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.1	10.7

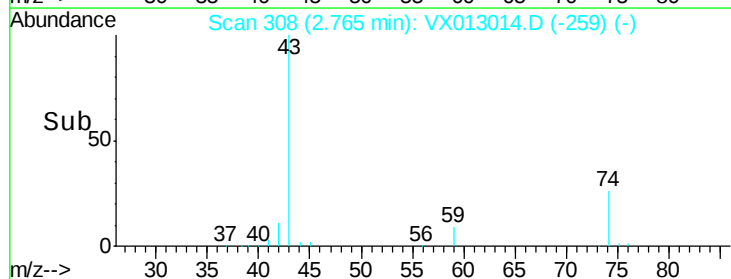
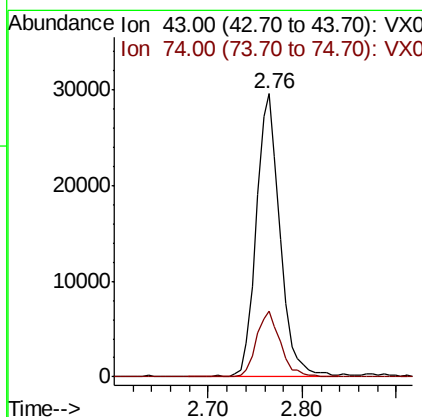
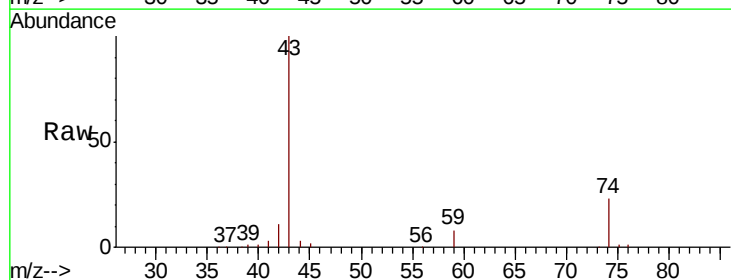
Manual Integrations
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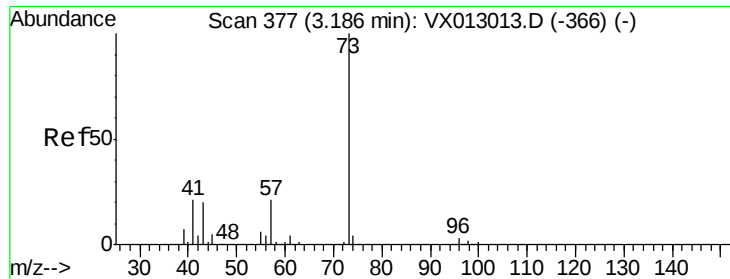
MMDadoda
10/14/2019 10:39:35 AM



#18
Methyl Acetate
Concen: 20.179 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8





#19

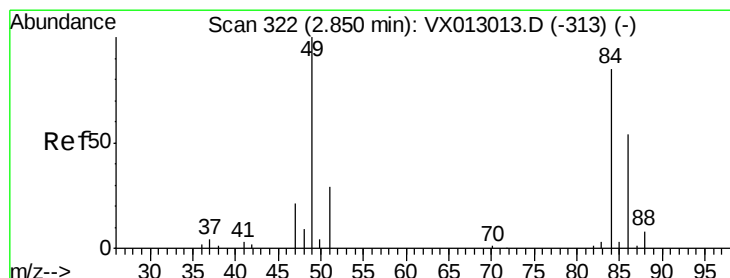
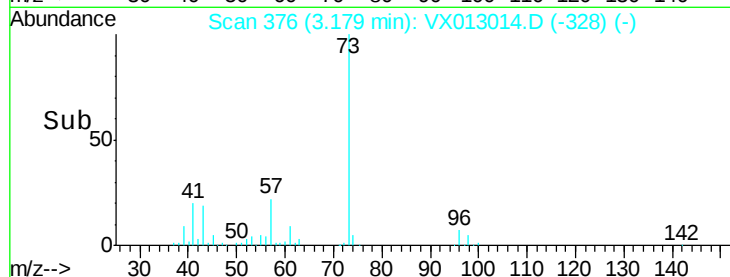
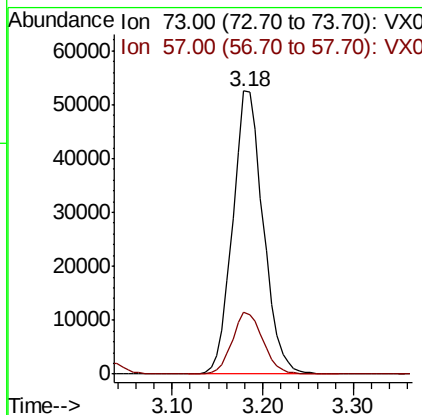
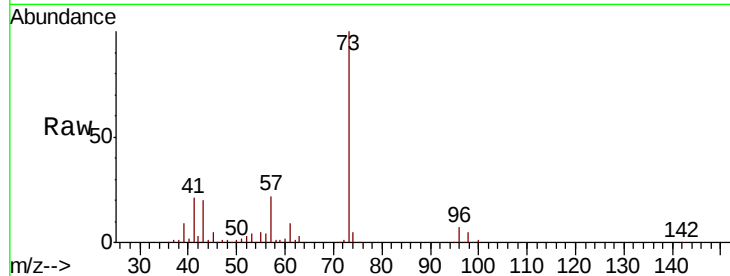
Methyl tert-butyl Ether
 Concen: 20.969 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.8	26.6

Manual Integrations
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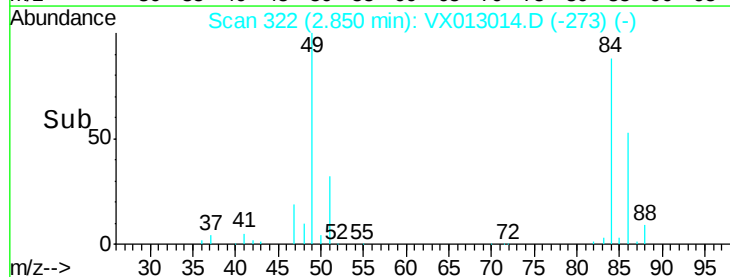
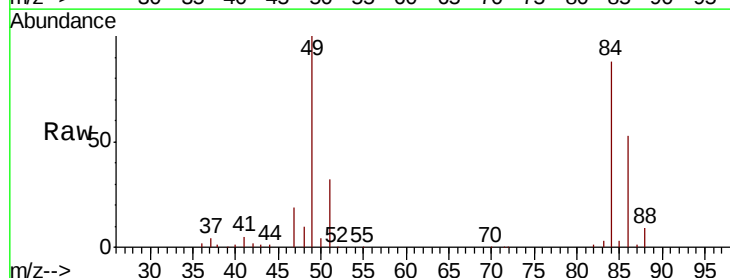
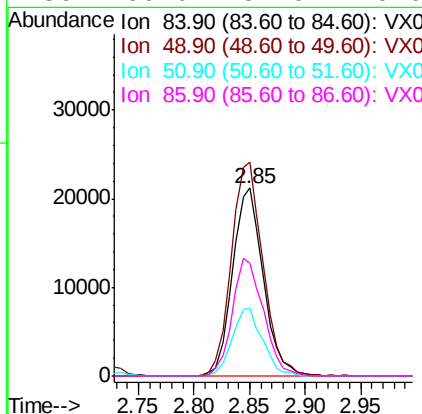
MMDadoda
 10/14/2019 10:39:35 AM

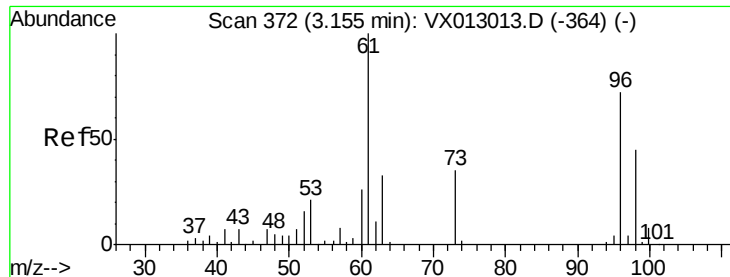


#20

Methylene Chloride
 Concen: 20.013 ug/l
 RT: 2.85 min Scan# 322
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.7	96.6	144.8
51	36.3	30.7	46.1
86	60.0	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 20.482 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion: 96 Resp: 37133

Ion Ratio Lower Upper

96 100

61 130.4 110.4 165.6

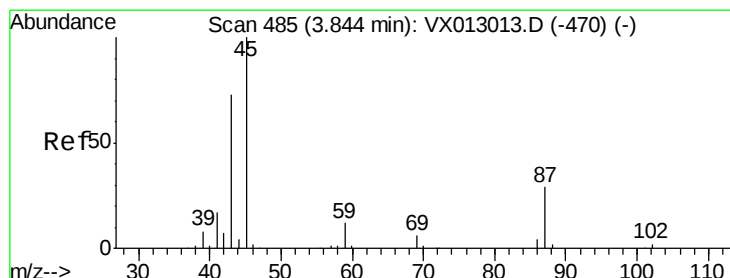
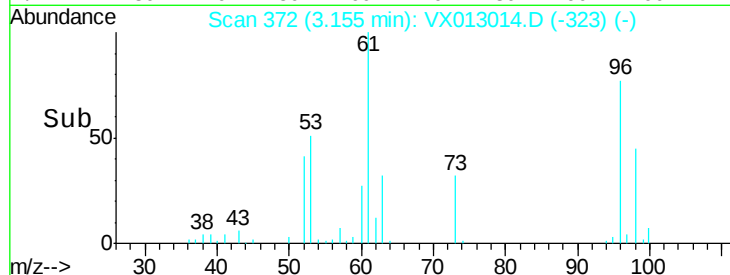
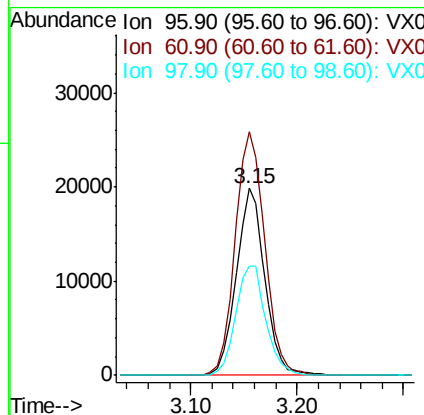
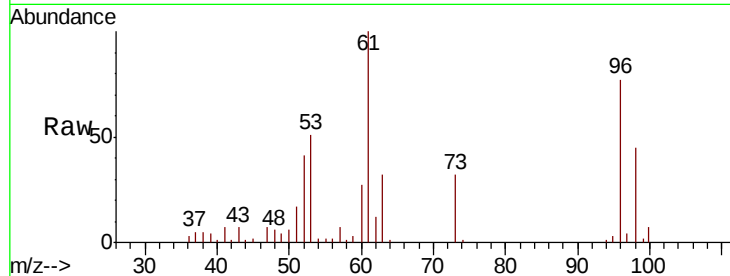
98 58.8 51.5 77.3

Manual Integrations

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MMDadoda

10/14/2019 10:39:35 AM



#22

Diisopropyl ether

Concen: 21.231 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Tgt Ion: 45 Resp: 122546

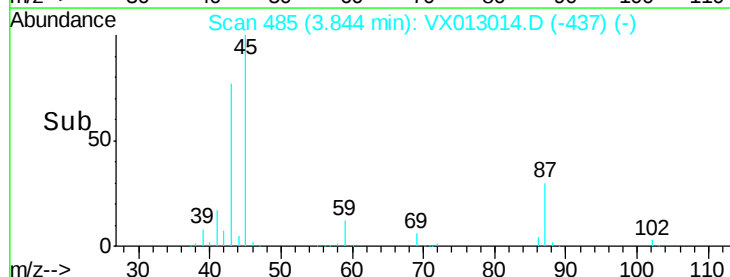
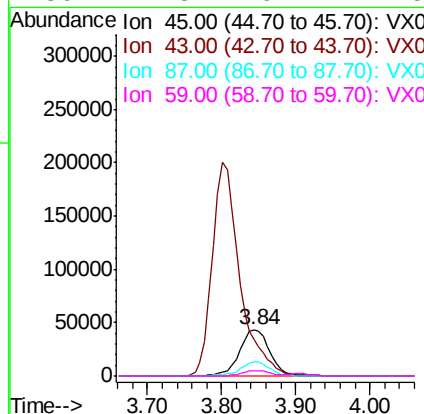
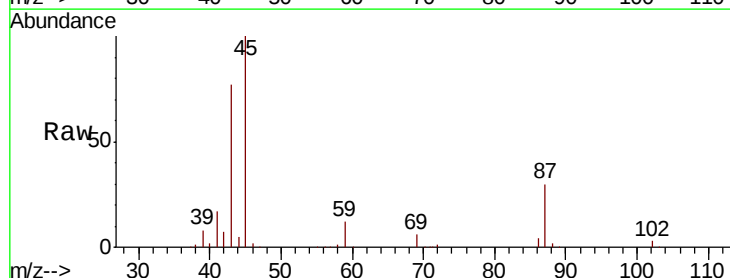
Ion Ratio Lower Upper

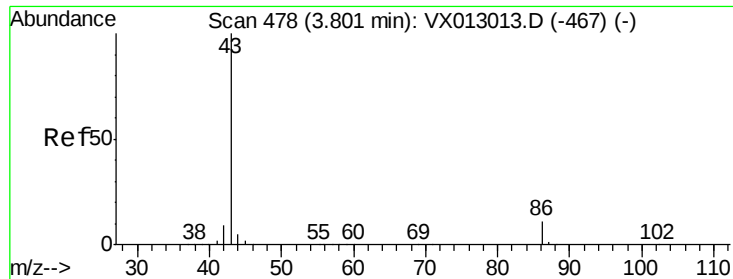
45 100

43 76.1 51.4 77.0

87 29.9 22.5 33.7

59 12.3 9.7 14.5





#23

Vinyl Acetate

Concen: 103.299 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion: 43 Resp: 514732

Ion Ratio Lower Upper

43 100

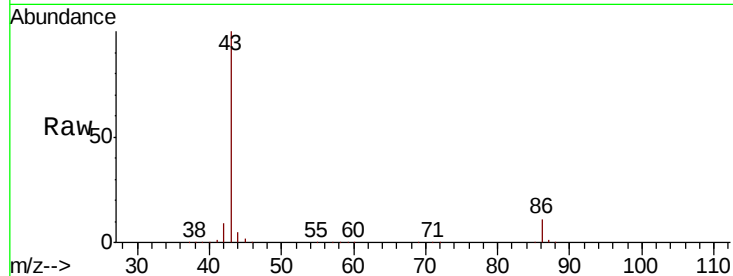
86 10.9 9.0 13.6

Manual Integrations

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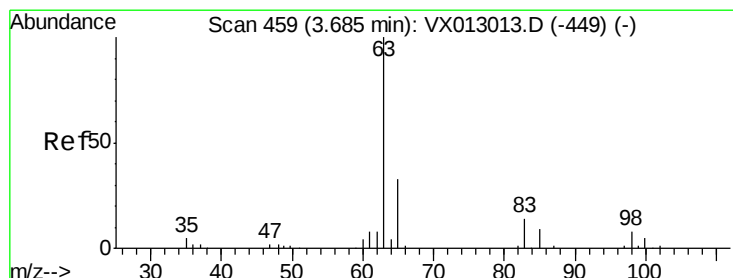
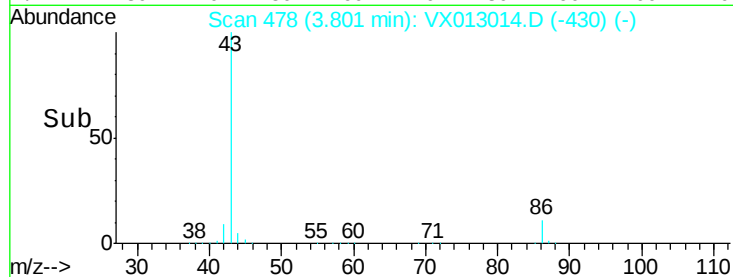
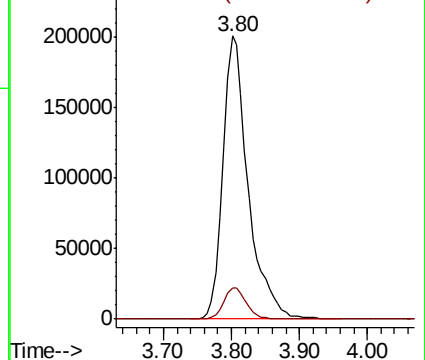
MMDadoda

10/14/2019 10:39:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.883 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

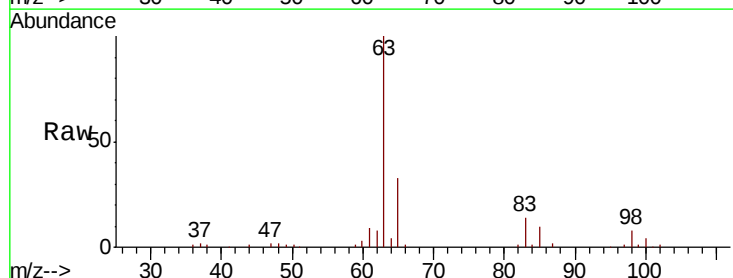
Tgt Ion: 63 Resp: 67811

Ion Ratio Lower Upper

63 100

98 7.7 3.9 11.5

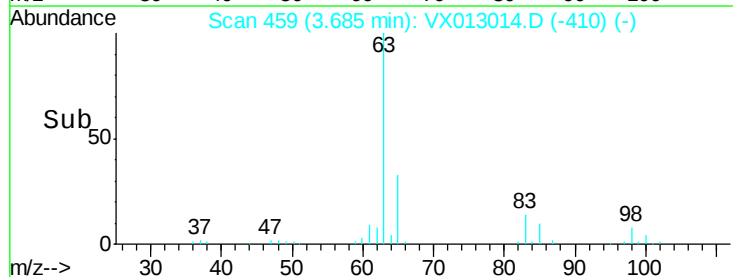
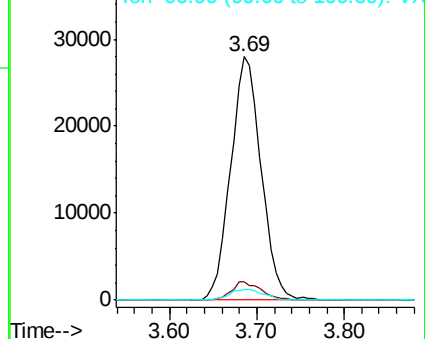
100 4.2 2.3 6.9

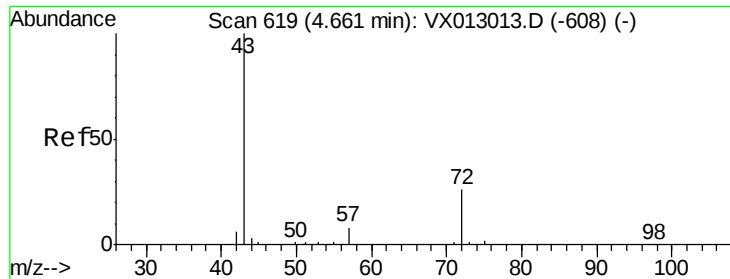


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 101.352 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion: 43 Resp: 155057

Ion Ratio Lower Upper

43 100

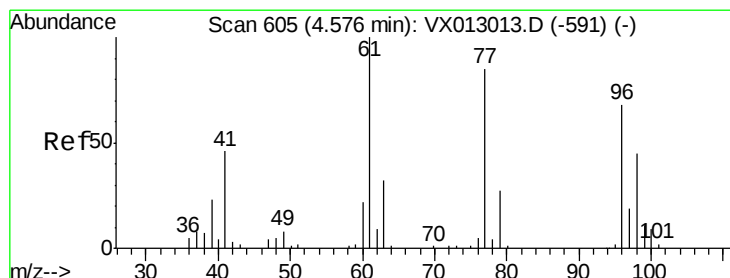
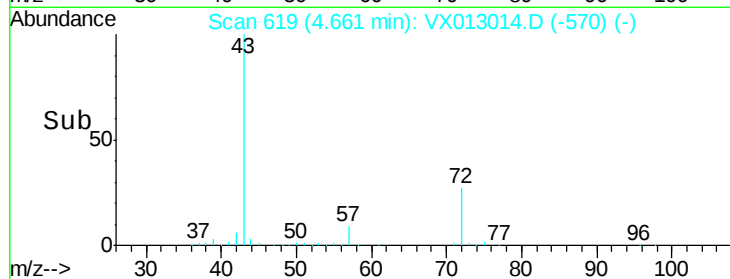
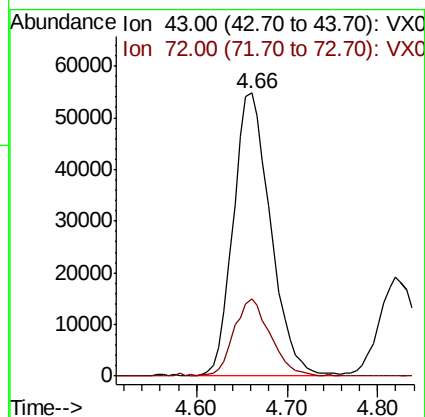
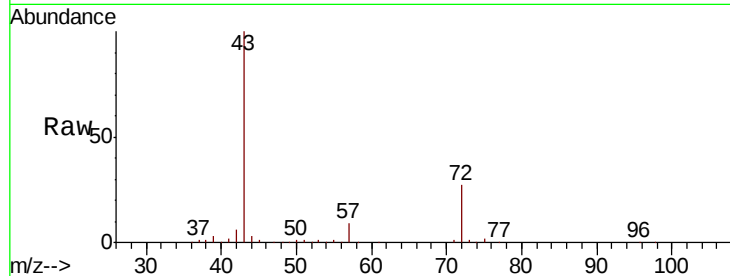
72 27.1 21.0 31.6

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#26

2,2-Dichloropropane

Concen: 20.684 ug/l

RT: 4.58 min Scan# 605

Delta R.T. -0.00 min

Lab File: VX013014.D

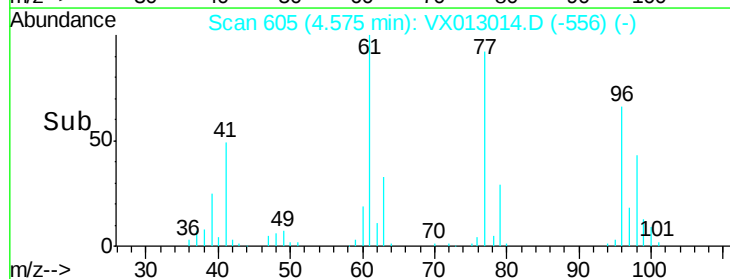
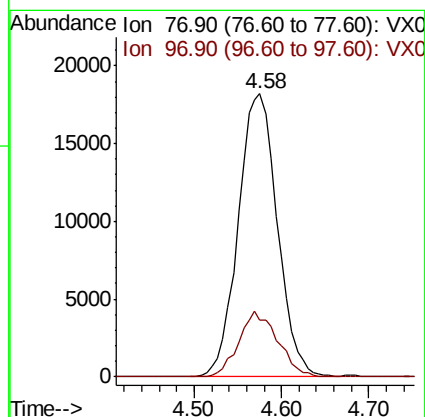
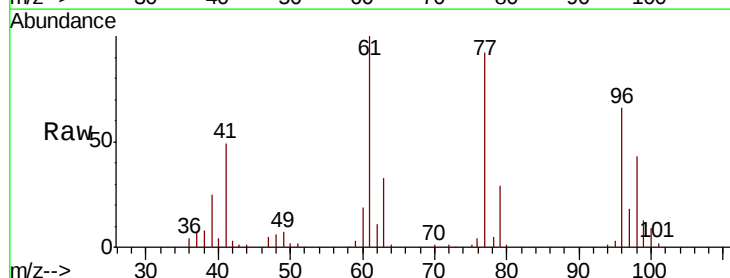
Acq: 11 Oct 2019 14:23

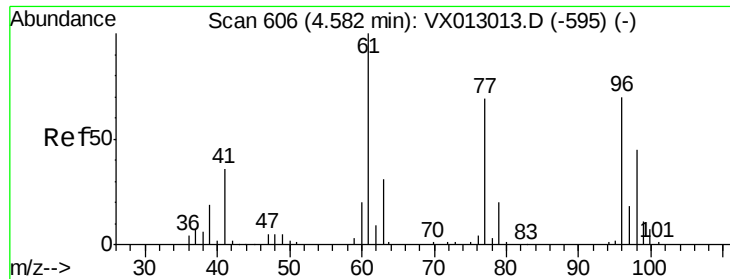
Tgt Ion: 77 Resp: 56481

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.9





#27

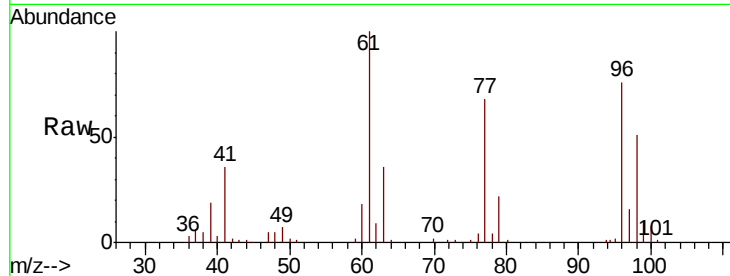
cis-1,2-Dichloroethene
Concen: 20.640 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	43133		
61	144.8	0.0	290.6	
98	64.7	0.0	128.8	

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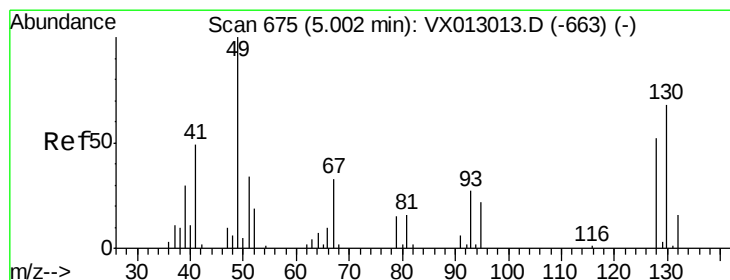
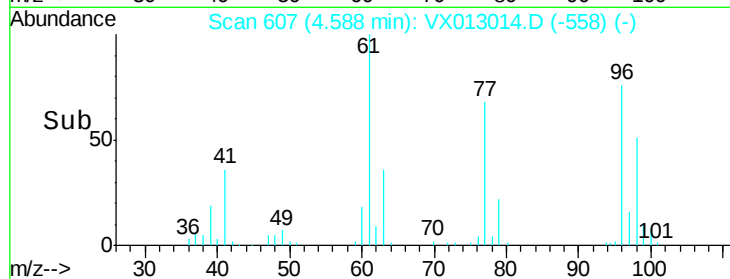
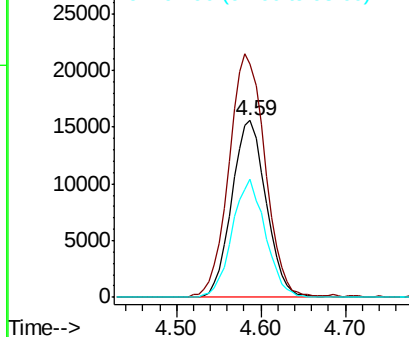


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

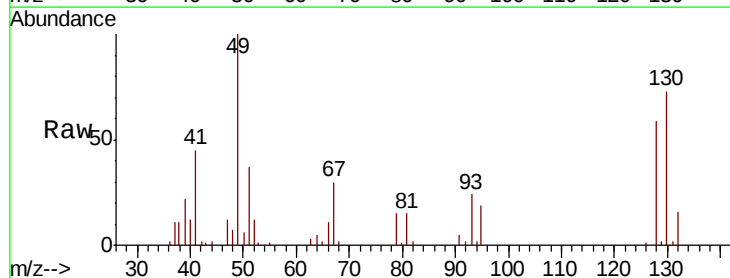
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 22.399 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21977		
129	1.2	0.0	4.2	
130	78.5	62.1	93.1	

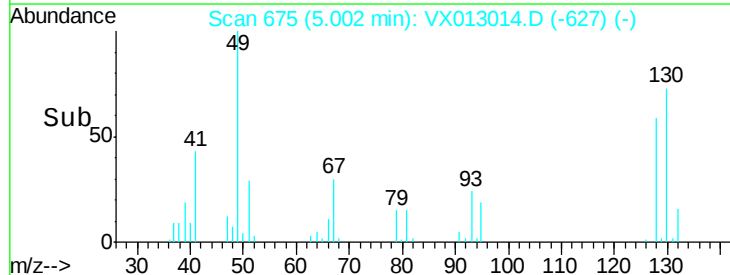
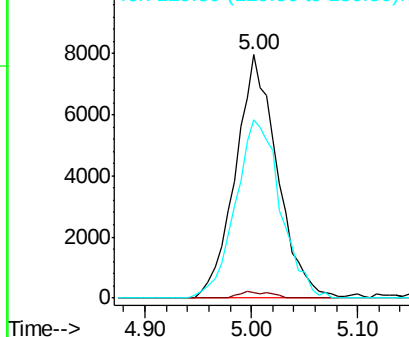


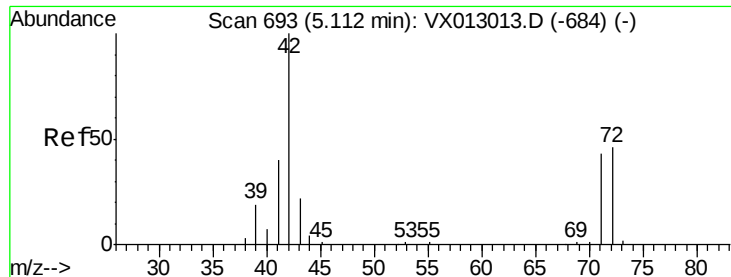
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





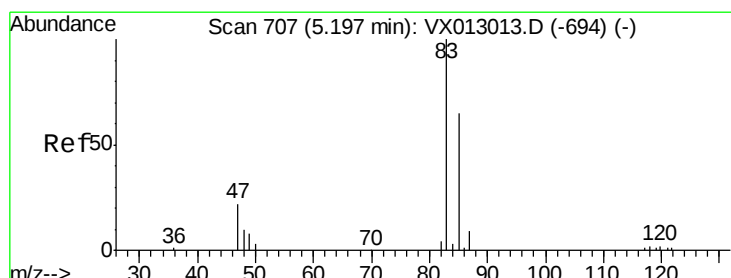
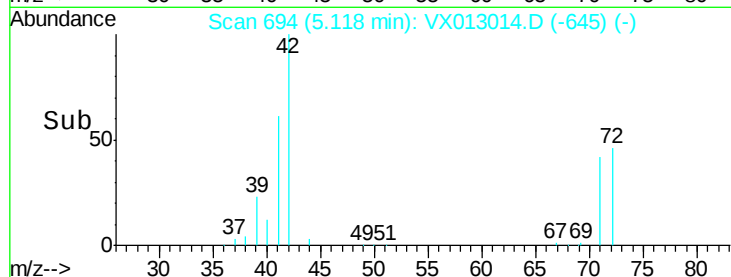
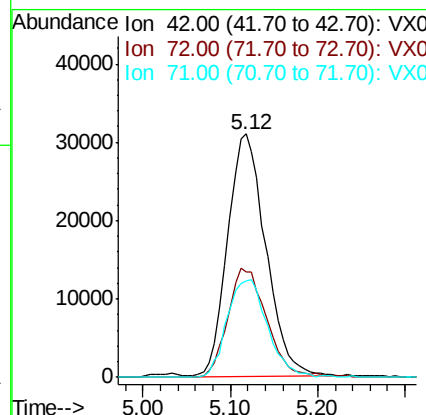
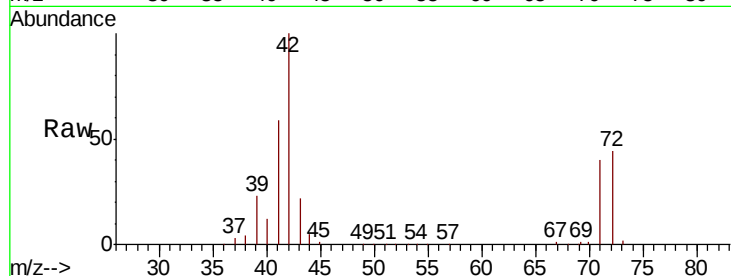
#29
Tetrahydrofuran
Concen: 99.608 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	36.9	55.3
71	42.9	33.5	50.3

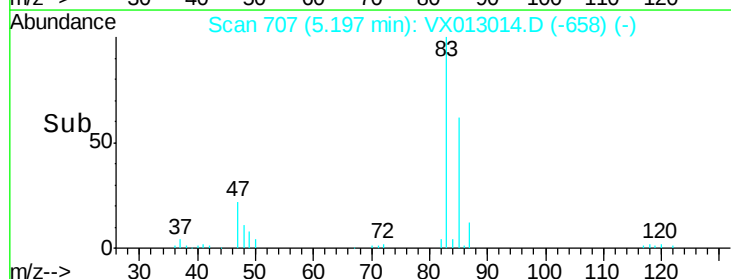
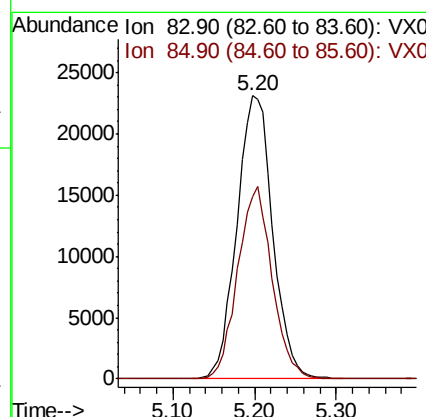
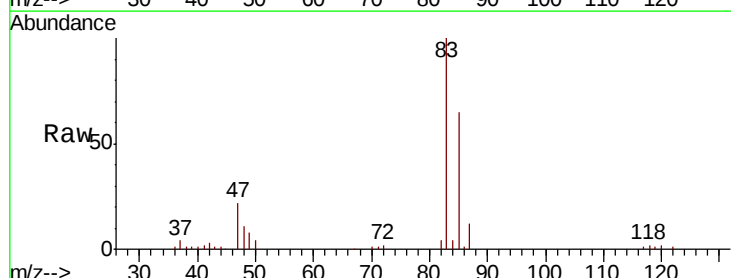
Manual Integrations
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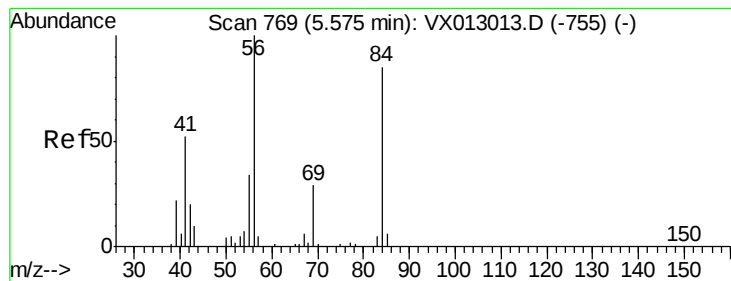
MMDadoda
10/14/2019 10:39:35 AM



#30
Chloroform
Concen: 21.062 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.5	77.3





#31

Cyclohexane

Concen: 20.153 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

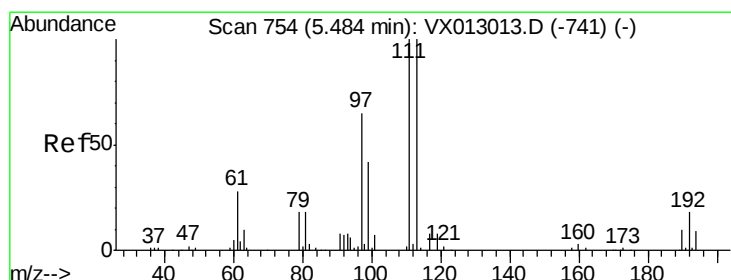
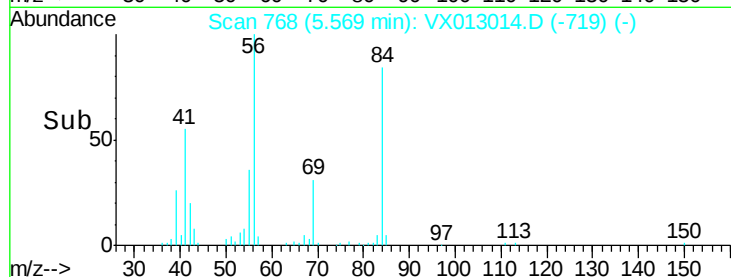
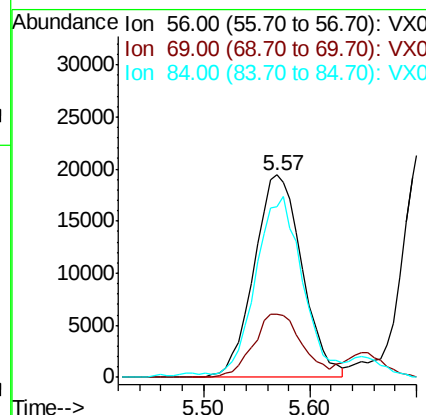
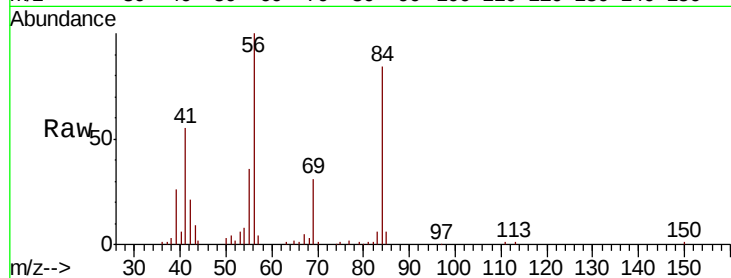
ClientSampleId :

VX1011MBS01

Tot Ion:	56	Resp:	61194
Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.2	37.8
84	82.6	71.3	106.9

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#32

1,1,1-Trichloroethane

Concen: 20.813 ug/l

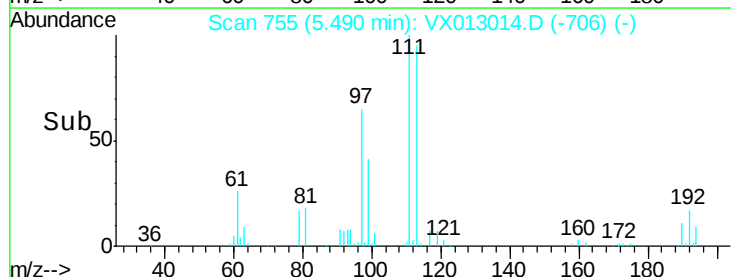
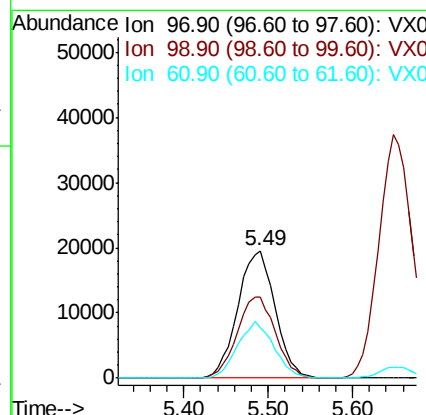
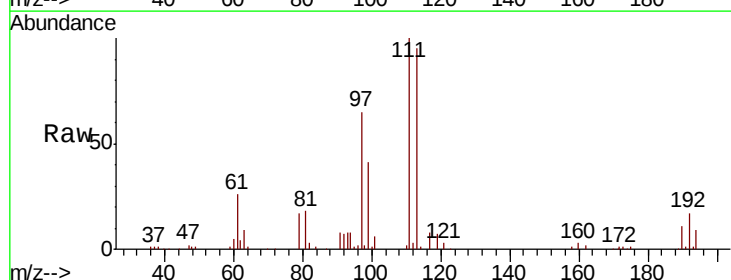
RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Tgt Ion:	97	Resp:	58758
Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.3	78.5
61	43.2	35.0	52.4





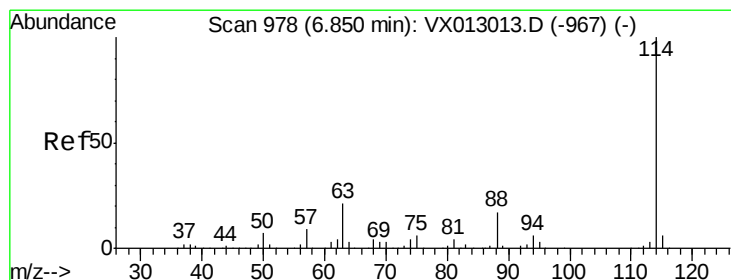
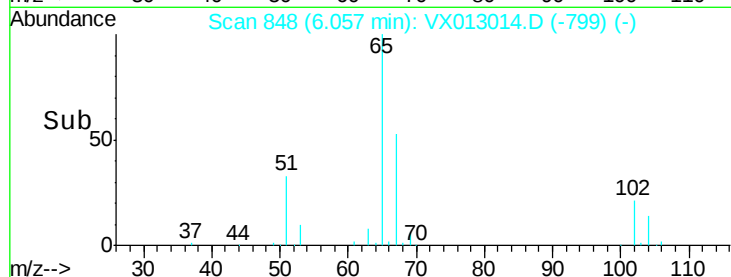
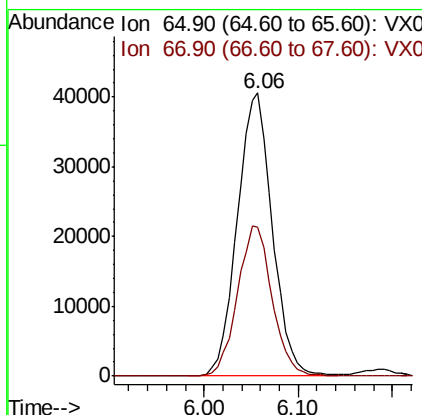
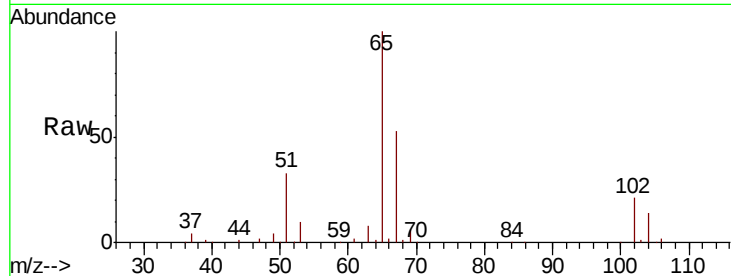
#33
 1,2-Dichloroethane-d4
 Concen: 50.241 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	105107		
67	52.6	0.0	104.4	

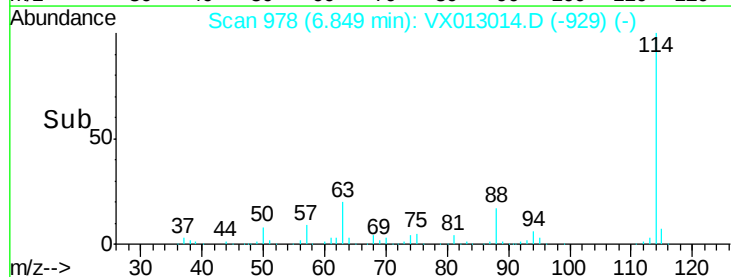
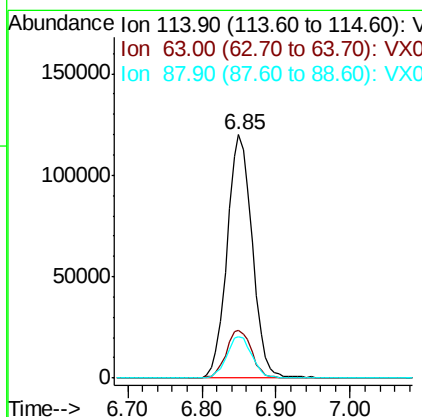
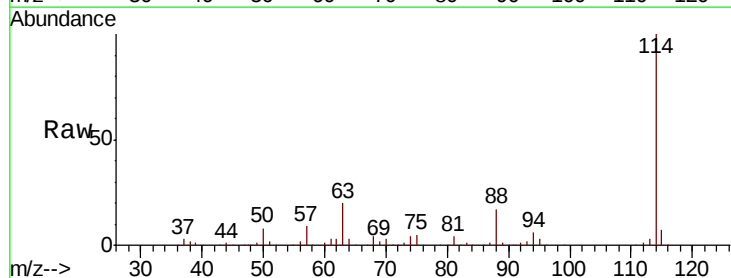
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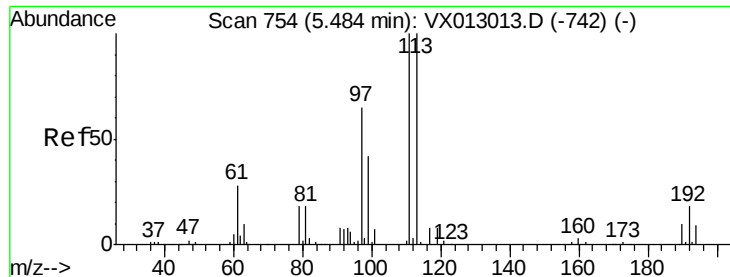
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	284151		
63	19.7	0.0	40.8	
88	17.1	0.0	33.8	





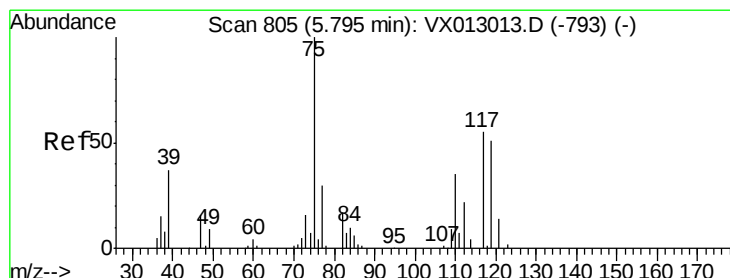
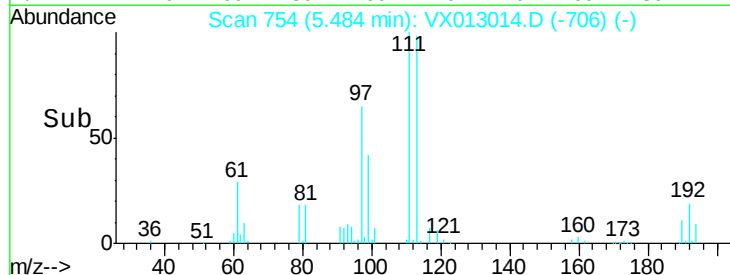
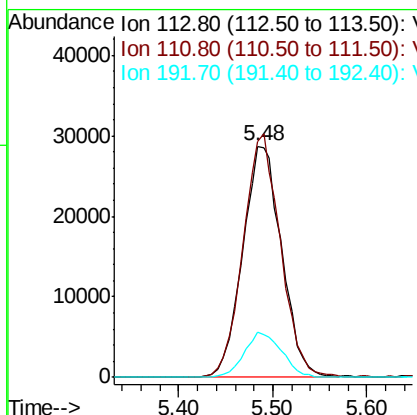
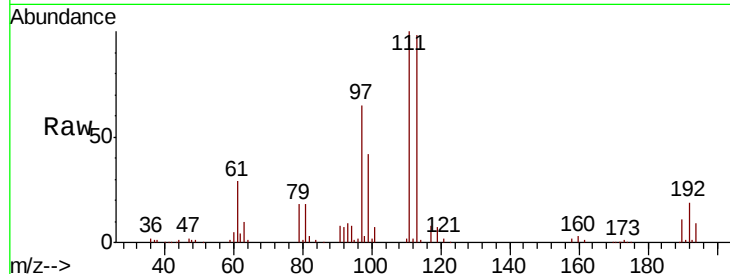
#35
 Dibromofluoromethane
 Concen: 50.978 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	83139		
111	101.3	83.2	124.8	
192	18.9	15.4	23.2	

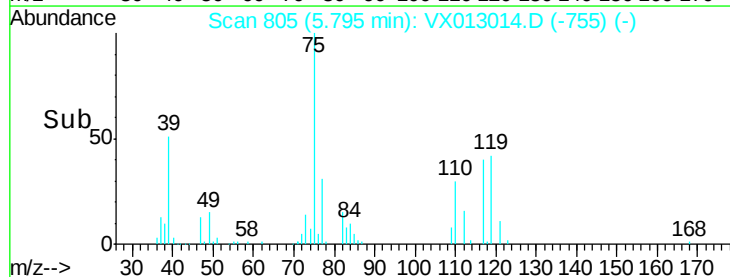
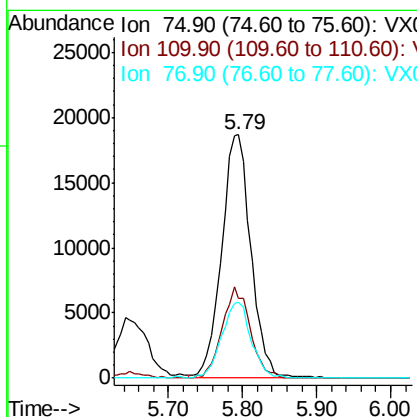
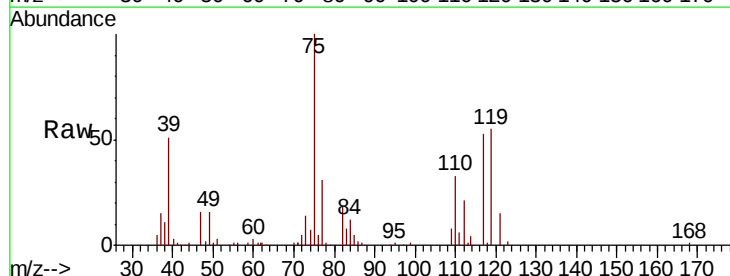
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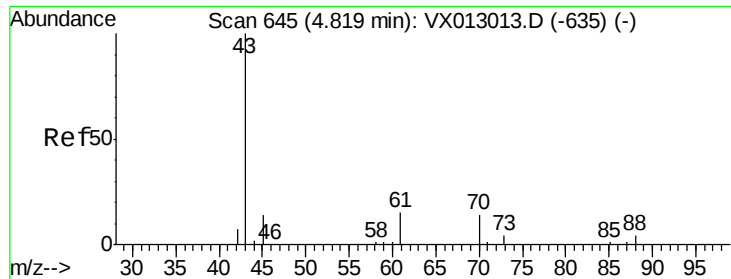
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#36
 1,1-Dichloropropene
 Concen: 20.500 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	51215		
110	35.5	17.6	52.9	
77	31.5	24.4	36.6	





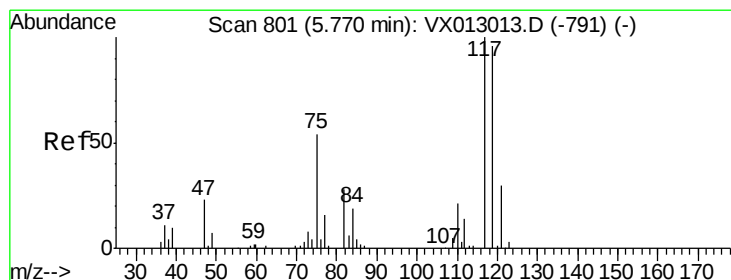
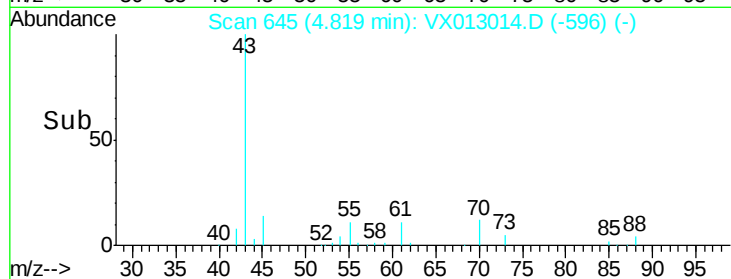
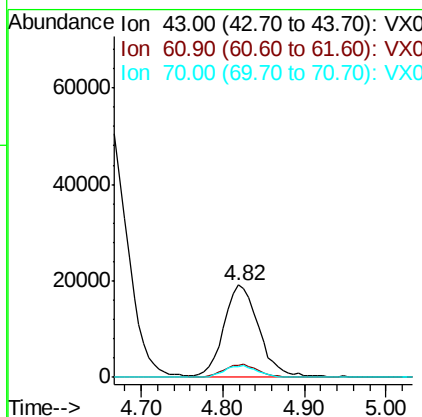
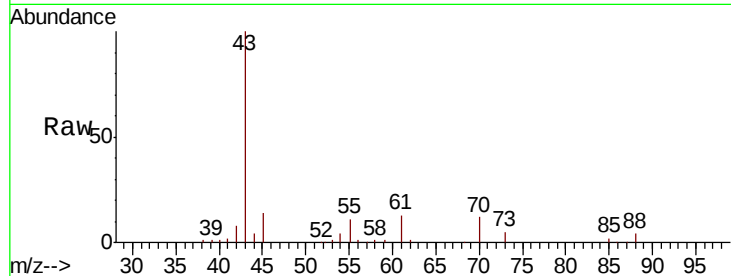
#37
Ethyl Acetate
Concen: 20.030 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.4	17.0
70	12.3	9.8	14.6

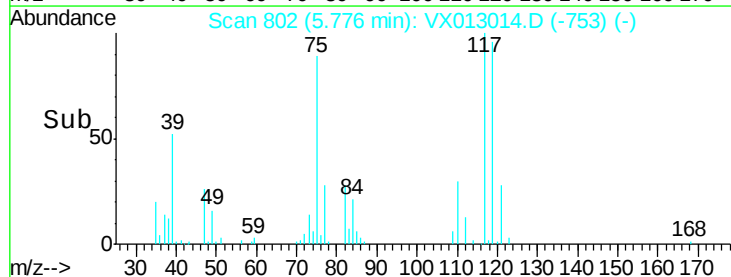
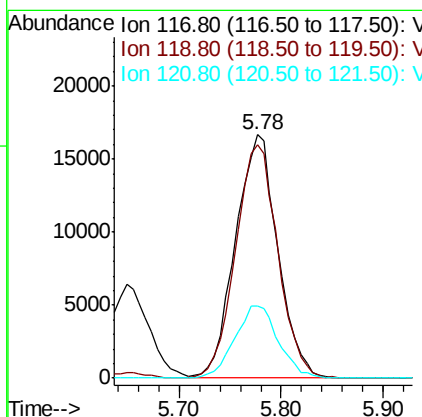
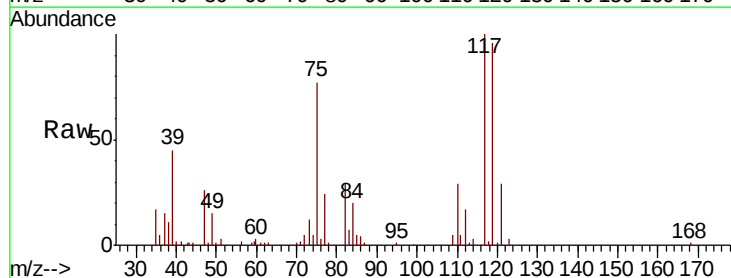
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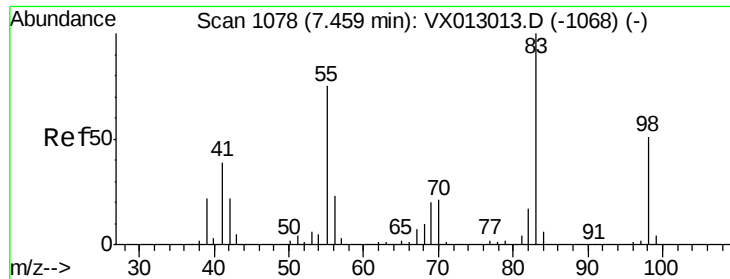
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#38
Carbon Tetrachloride
Concen: 19.755 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	74.5	111.7
121	29.4	24.2	36.4





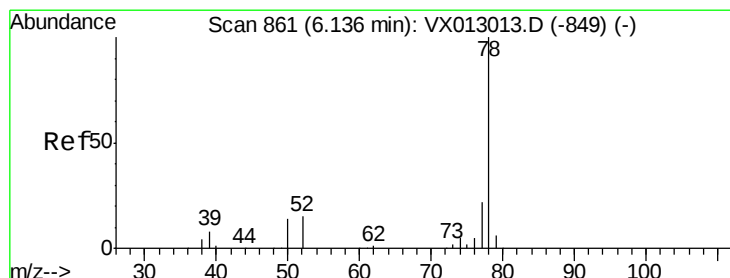
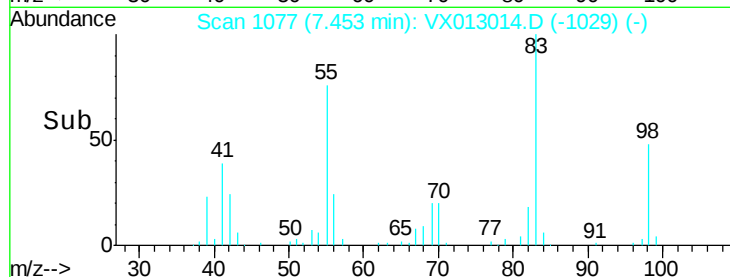
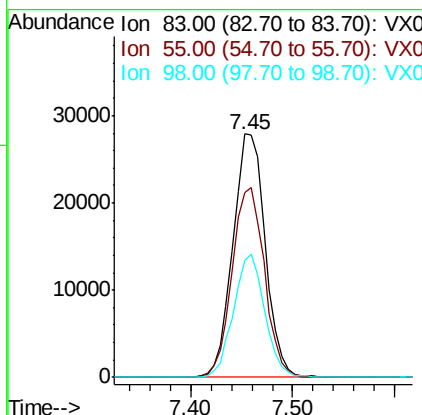
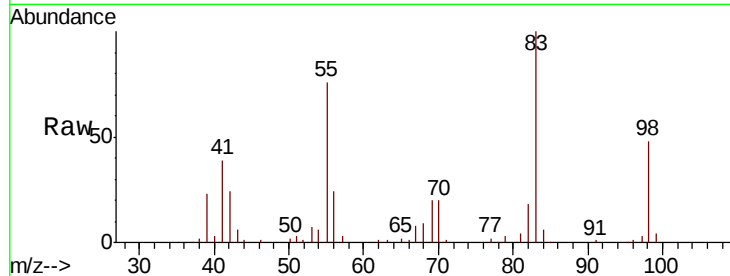
#39
Methvlcvclohexane
Concen: 20.228 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	60.2	90.4
98	47.8	38.5	57.7

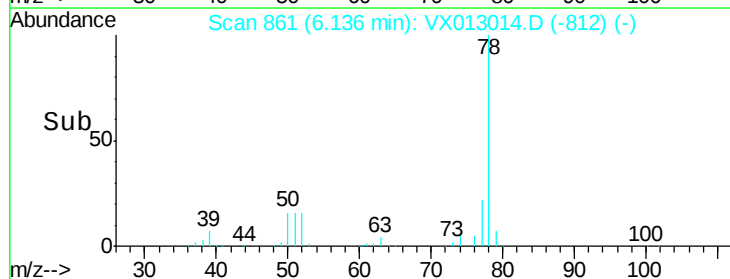
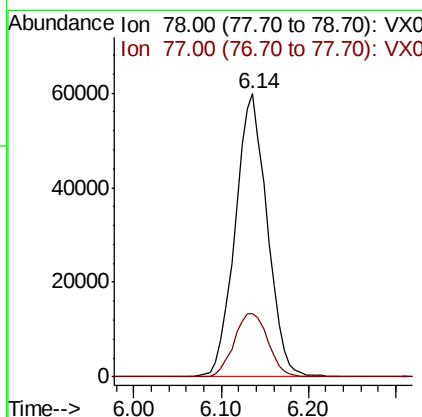
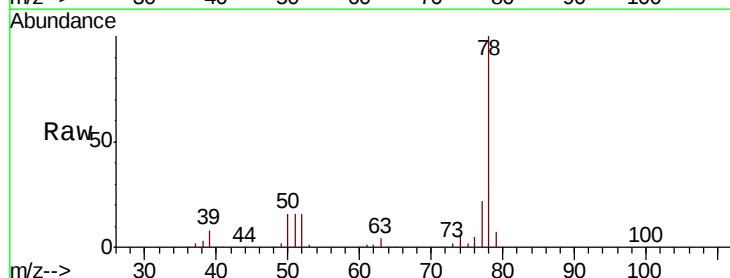
Manual Integrations
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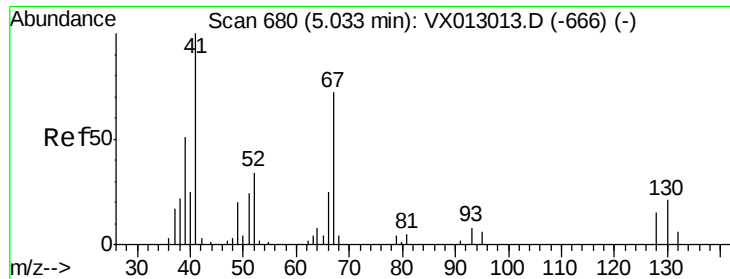
MMDadoda
10/14/2019 10:39:35 AM



#40
Benzene
Concen: 20.596 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.0	28.4





#41

Methacrylonitrile

Concen: 19.792 ug/l

RT: 5.03 min Scan# 679

Delta R.T. -0.01 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion: 41 Resp: 30381

Ion Ratio Lower Upper

41 100

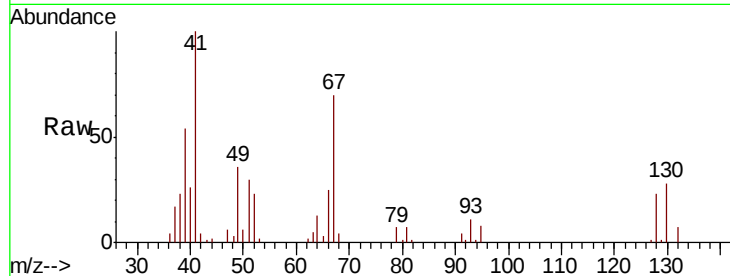
39 56.5 44.0 66.0

67 77.5 58.5 87.7

52 30.0 23.8 35.8

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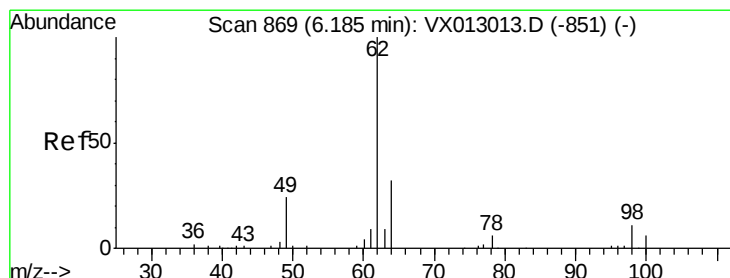
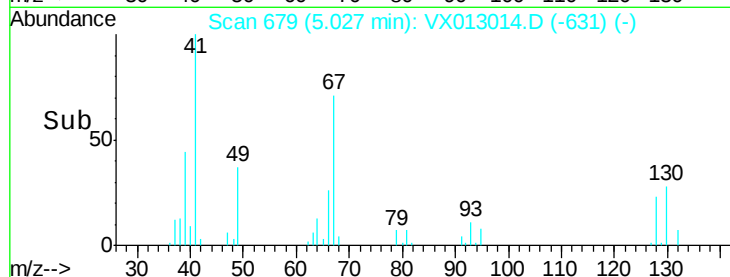
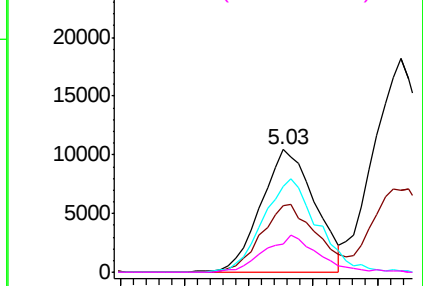


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 21.071 ug/l

RT: 6.18 min Scan# 869

Delta R.T. -0.00 min

Lab File: VX013014.D

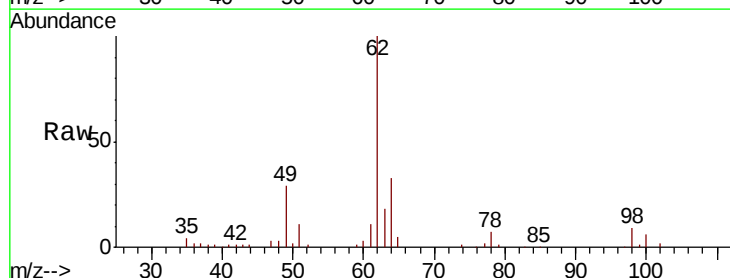
Acq: 11 Oct 2019 14:23

Tgt Ion: 62 Resp: 55790

Ion Ratio Lower Upper

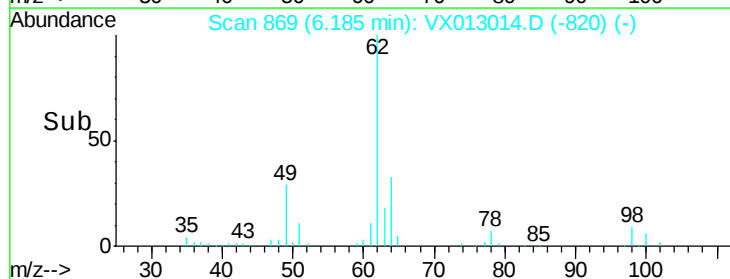
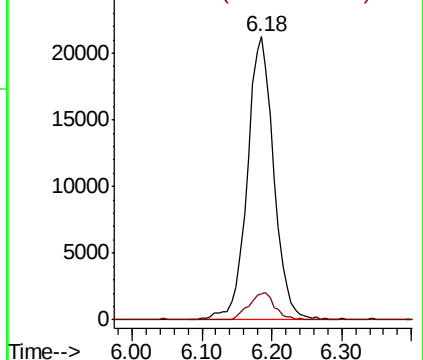
62 100

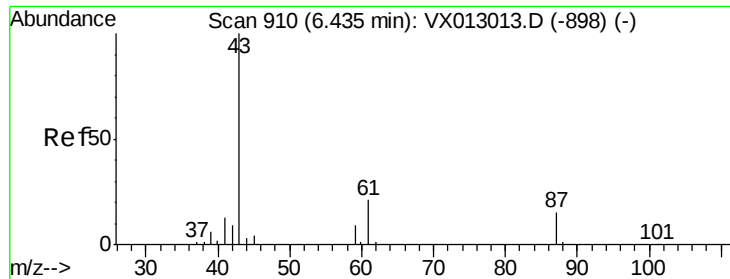
98 9.5 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

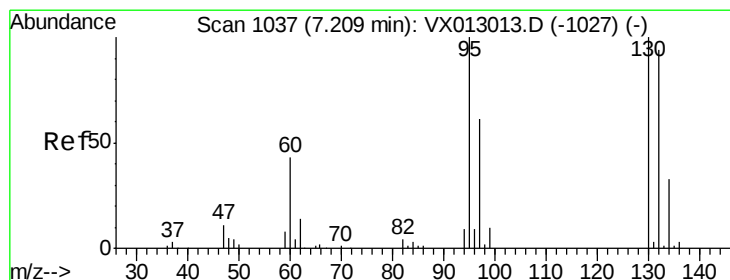
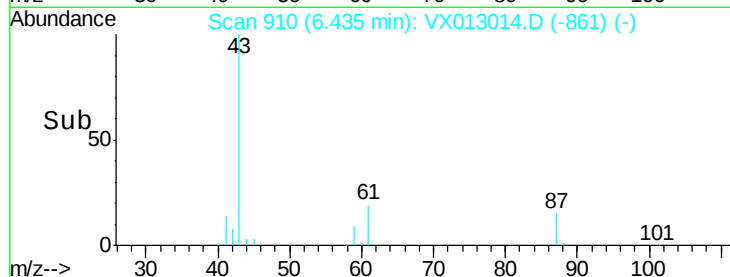
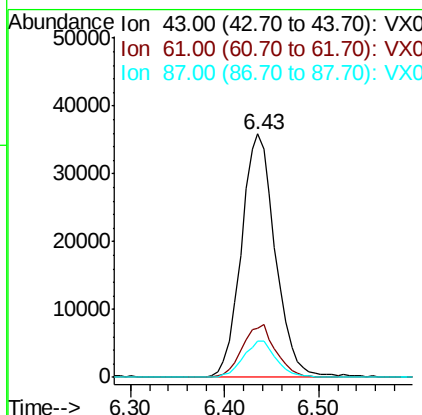
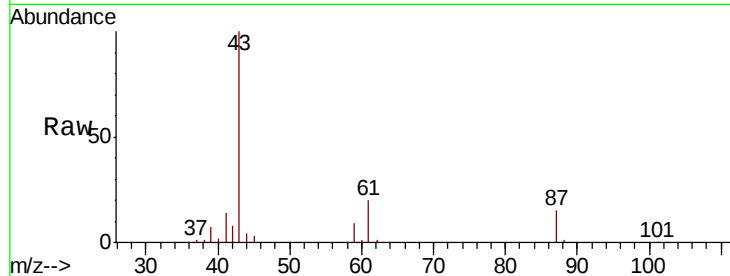
Isopropyl Acetate
 Concen: 20.028 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.6	24.8
87	14.6	11.0	16.6

Manual Integrations
 APPROVED

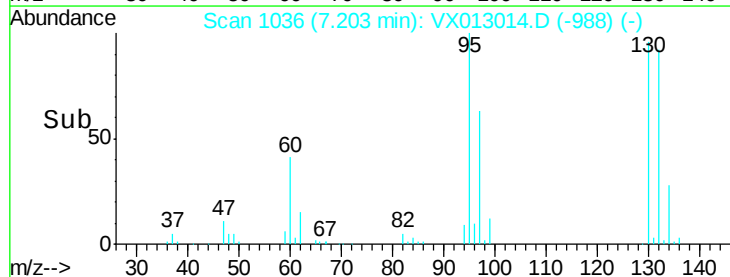
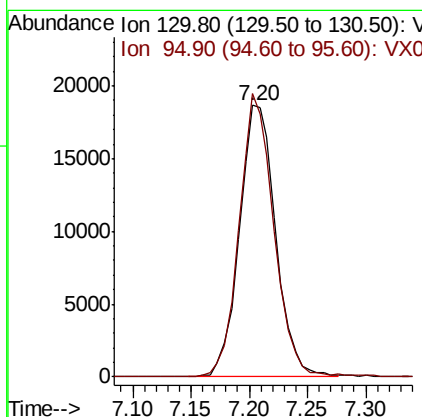
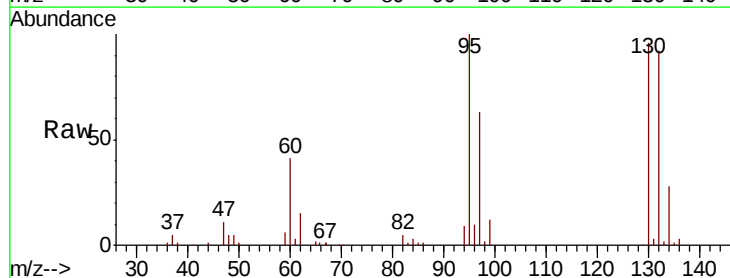
MMDadoda
 10/14/2019 10:39:35 AM

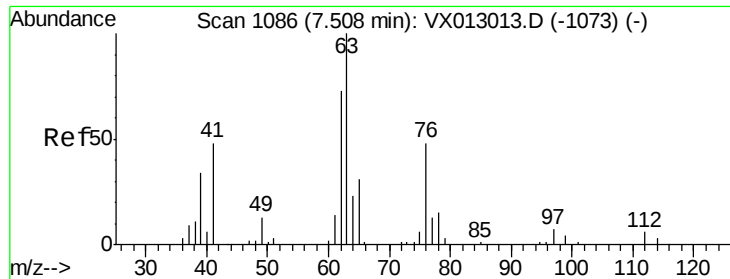


#44

Trichloroethene
 Concen: 19.766 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	189.2





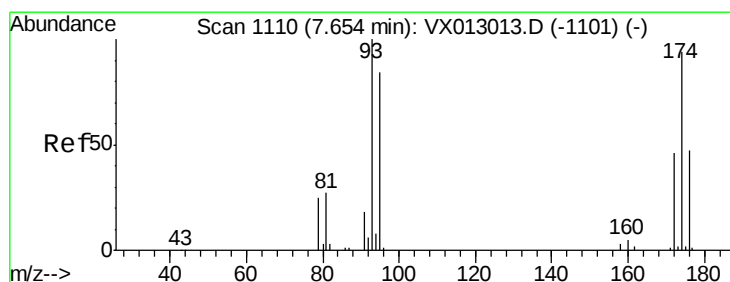
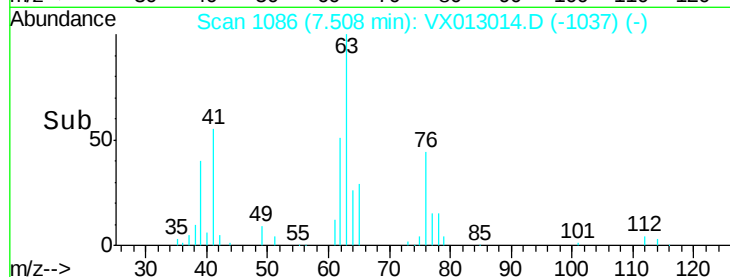
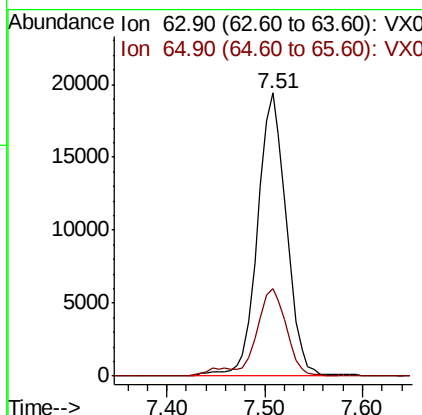
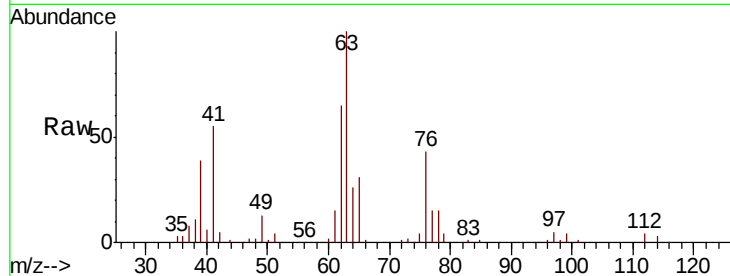
#45
 1,2-Dichloropropane
 Concen: 21.110 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion: 63 Resp: 39699
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0

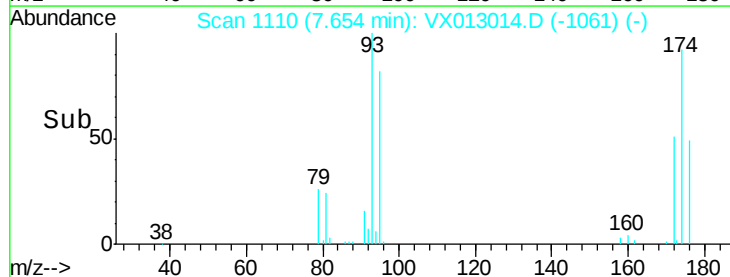
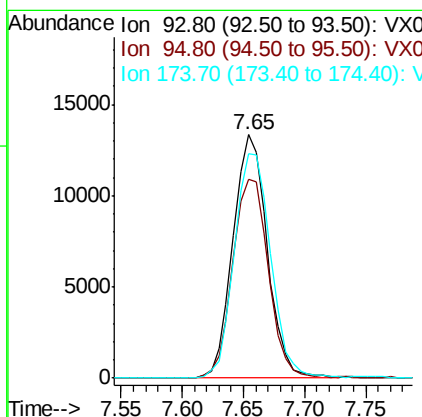
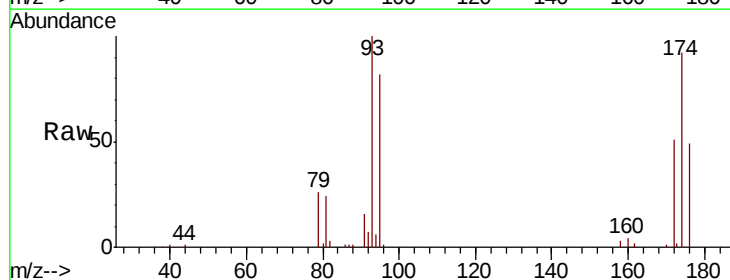
Manual Integrations
 APPROVED

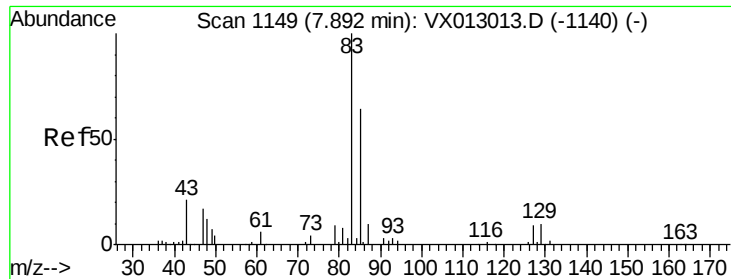
MMDadoda
 10/14/2019 10:39:35 AM



#46
 Dibromomethane
 Concen: 20.658 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion: 93 Resp: 25883
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.3 99.5
 174 98.2 77.8 116.6





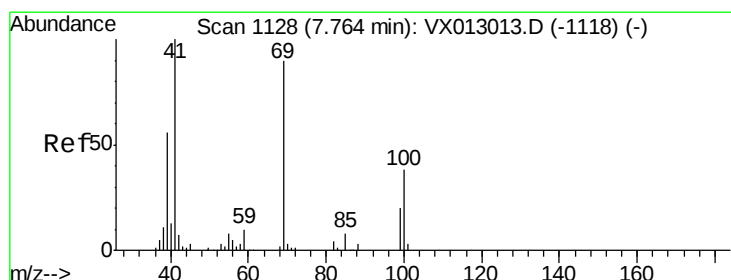
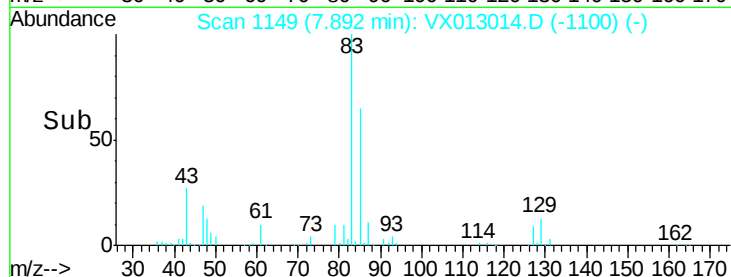
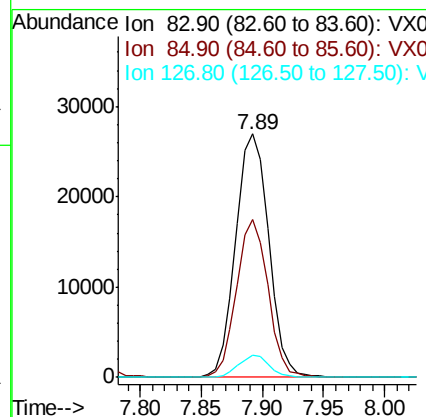
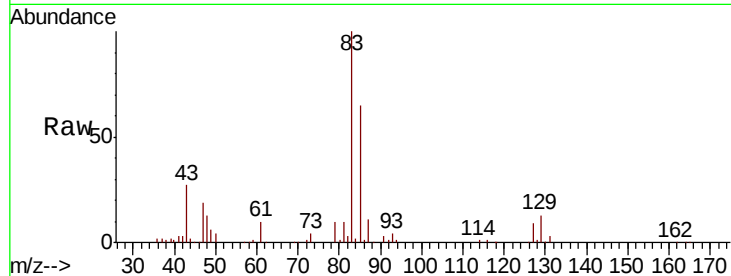
#47
Bromodichloromethane
Concen: 20.664 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	83	Resp	50527
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	52.4	78.6
127	9.3	6.6	10.0

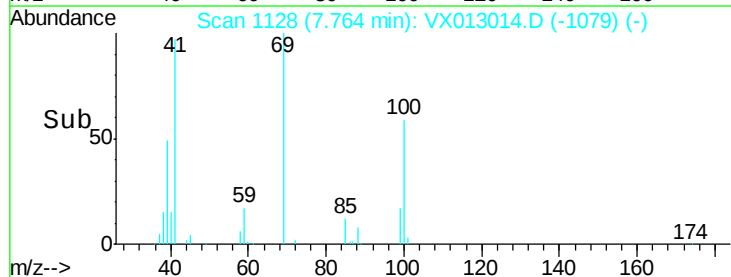
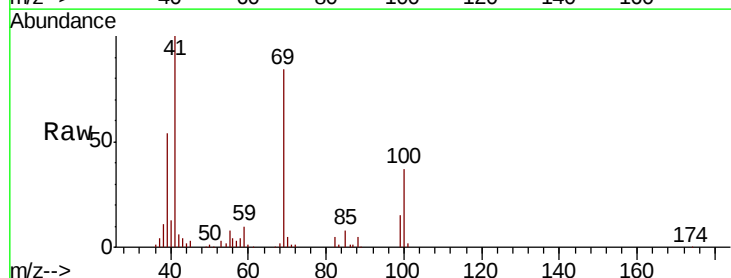
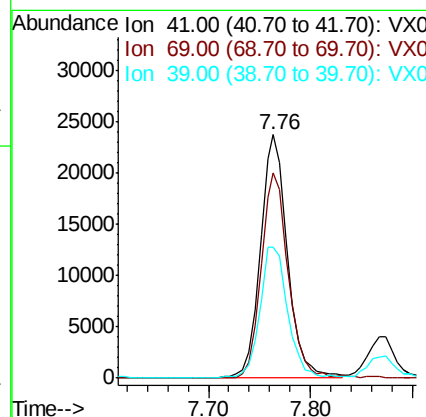
Manual Integrations
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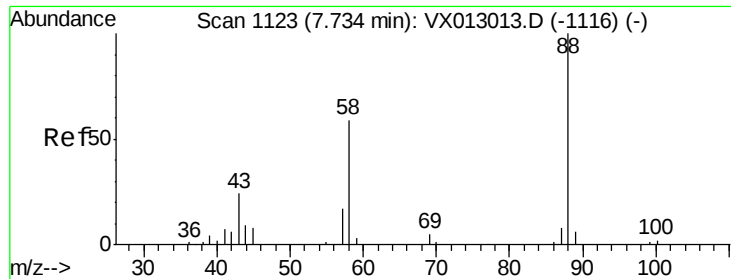
MMDadoda
10/14/2019 10:39:35 AM



#48
Methyl methacrylate
Concen: 20.156 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	41	Resp	44041
Ion Ratio	100	Lower	Upper
41	100		
69	84.6	68.7	103.1
39	55.9	44.3	66.5





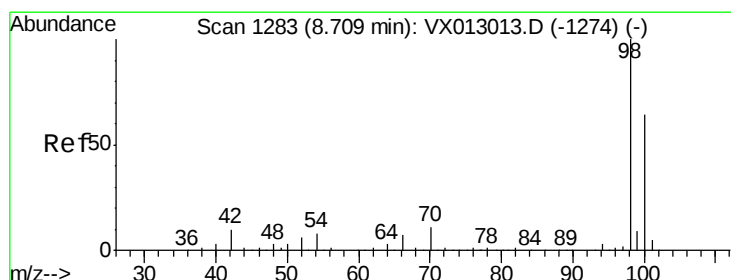
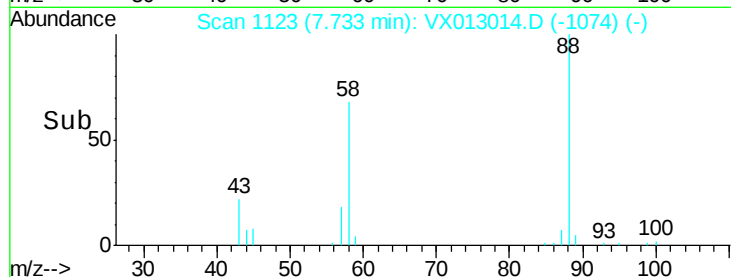
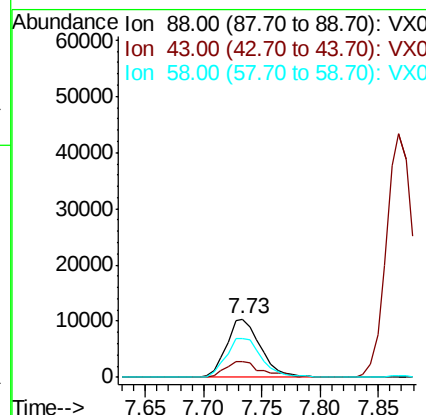
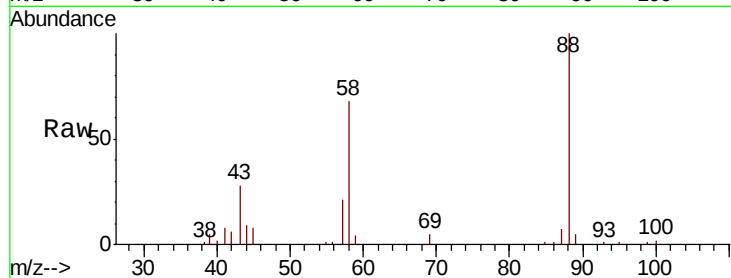
#49
1,4-Dioxane
Concen: 380.519 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	25.0	37.6
58	70.1	55.4	83.2

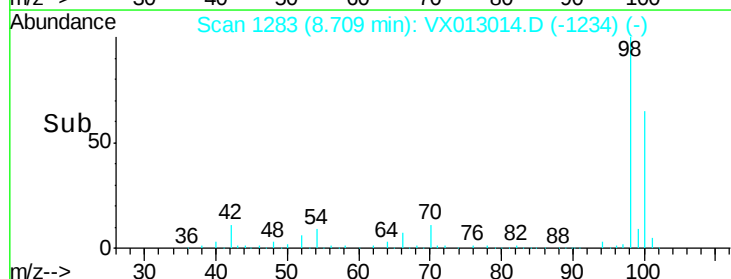
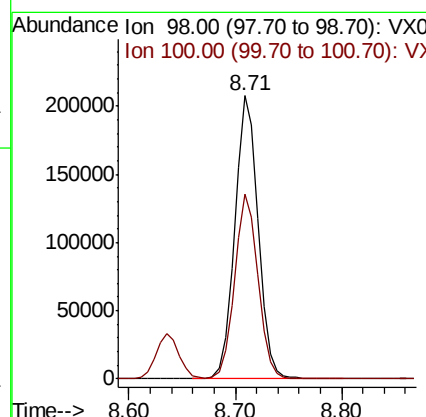
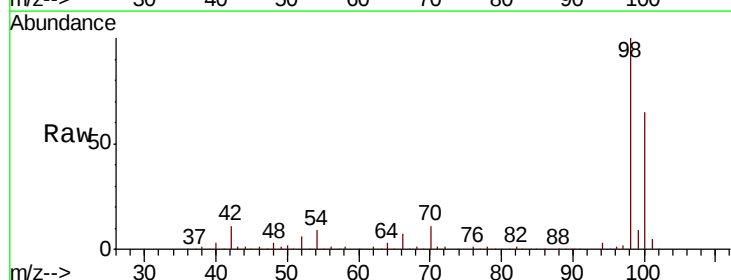
Manual Integrations
APPROVED

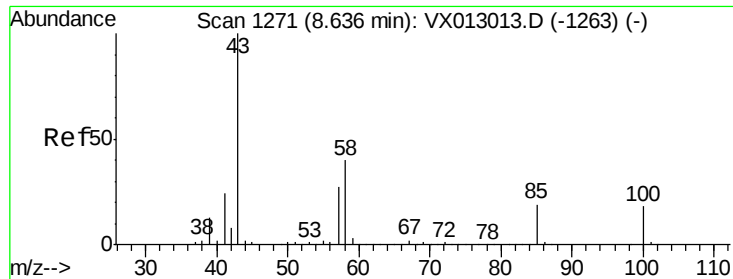
MMDadoda
10/14/2019 10:39:35 AM



#50
Toluene-d8
Concen: 50.101 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.4	80.2





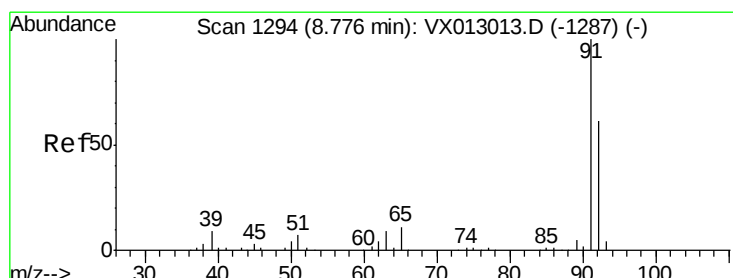
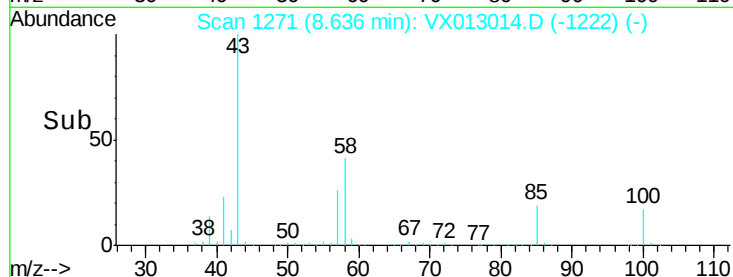
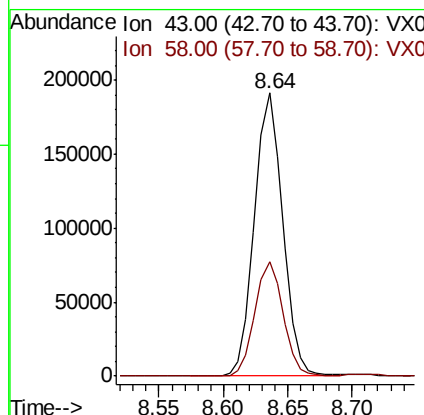
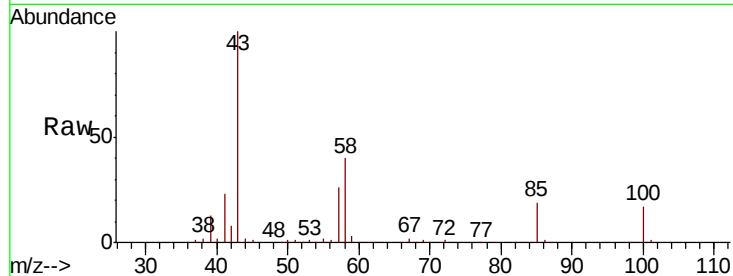
#51
4-Methyl-2-Pentanone
Concen: 103.813 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.4	48.6

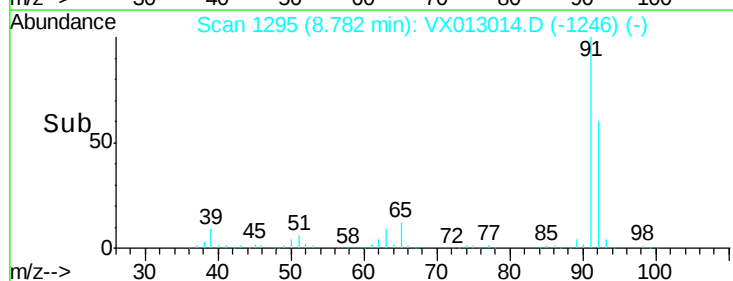
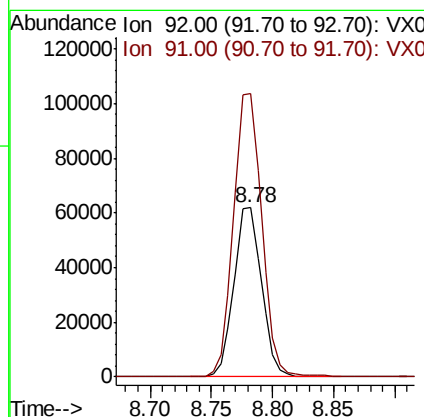
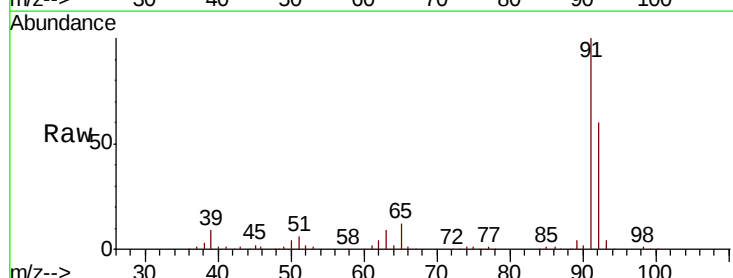
Manual Integrations
APPROVED

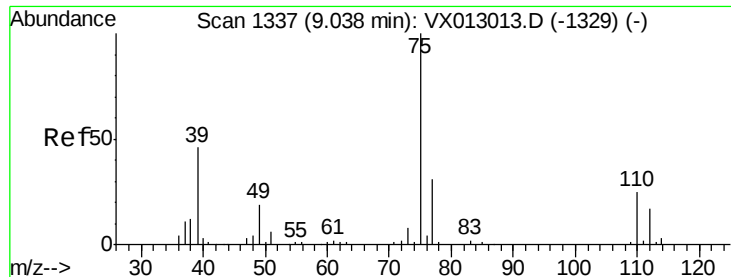
MMDadoda
10/14/2019 10:39:35 AM



#52
Toluene
Concen: 20.549 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	135.9	203.9





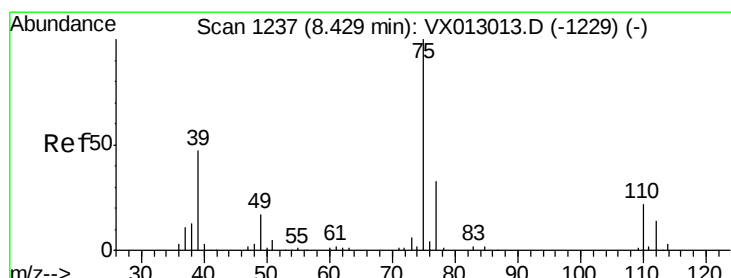
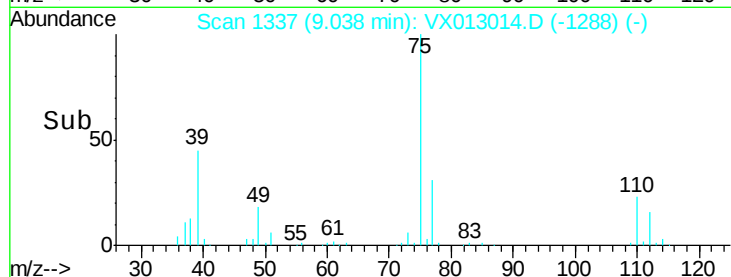
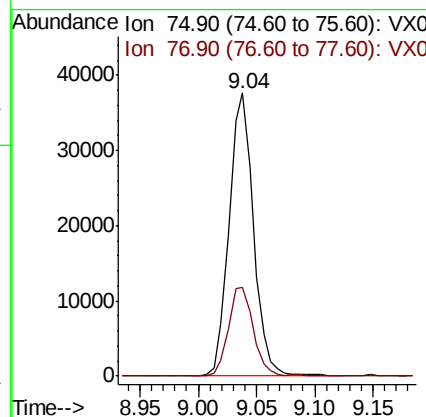
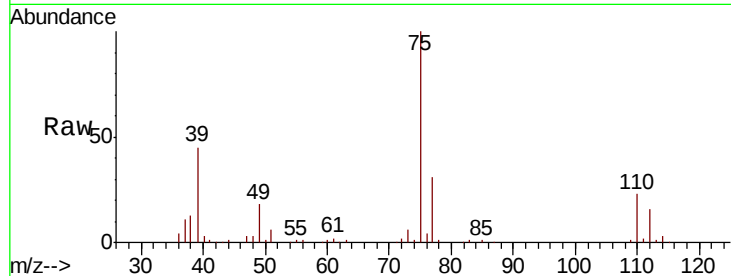
#53
 t-1,3-Dichloropropene
 Concen: 19.333 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion: 75 Resp: 54751
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.8 38.6

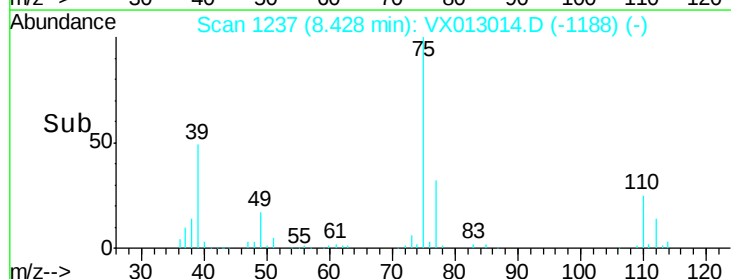
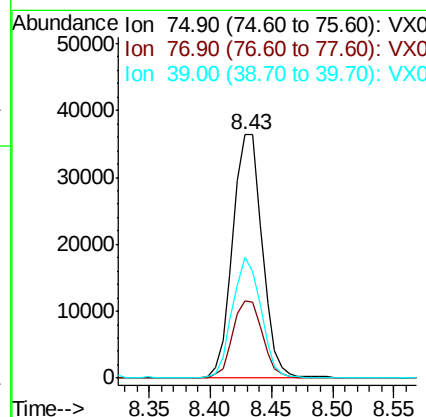
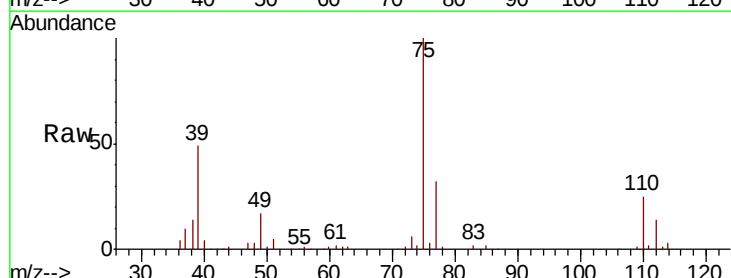
Manual Integrations
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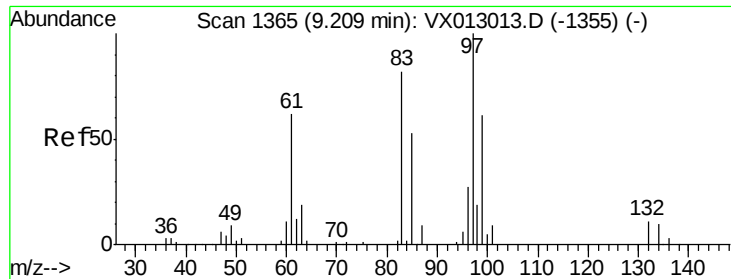
MMDadoda
 10/14/2019 10:39:35 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.260 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion: 75 Resp: 60929
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.8 38.8
 39 49.4 38.2 57.2





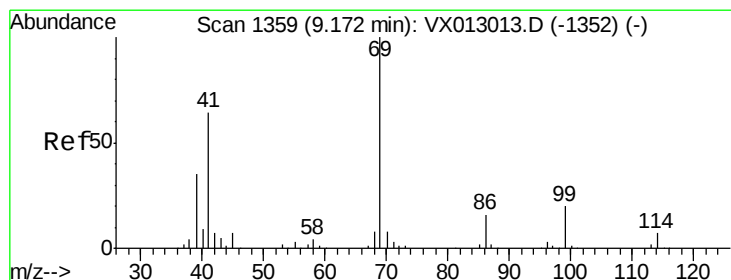
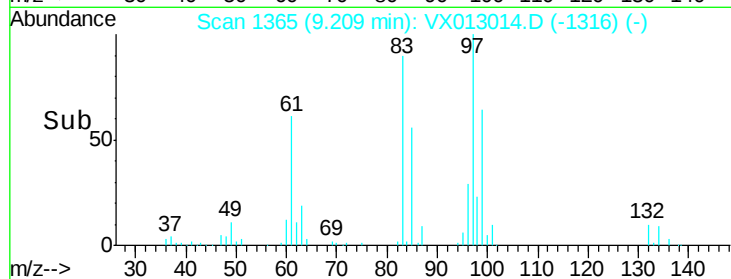
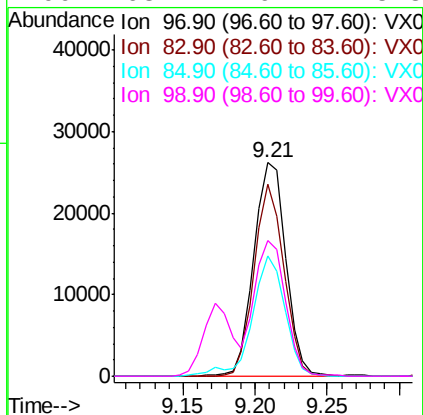
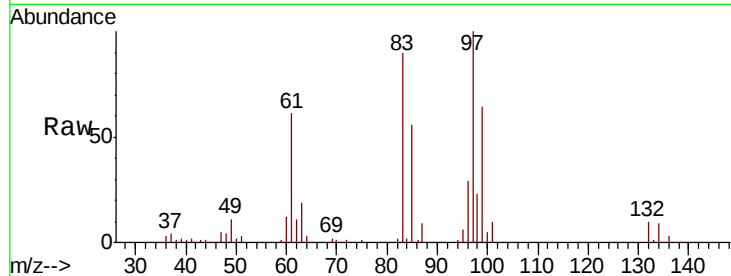
#55
 1,1,2-Trichloroethane
 Concen: 21.520 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion:	97	Resp:	40203
Ion	Ratio	Lower	Upper
97	100		
83	89.7	66.5	99.7
85	56.1	43.1	64.7
99	63.1	49.2	73.8

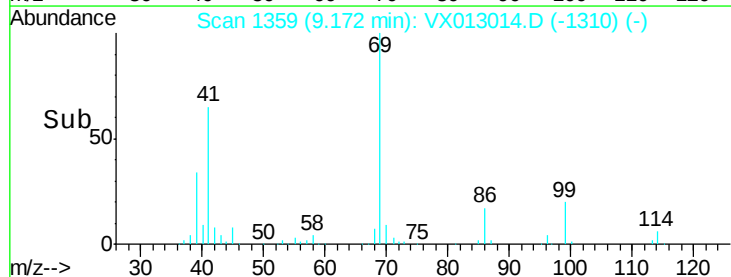
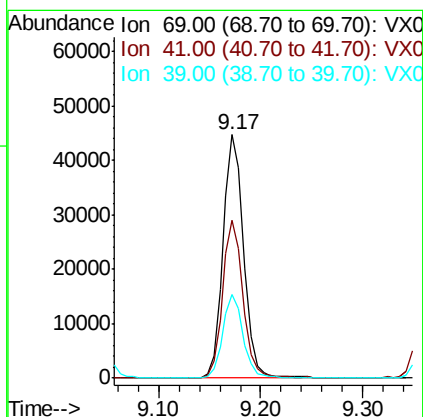
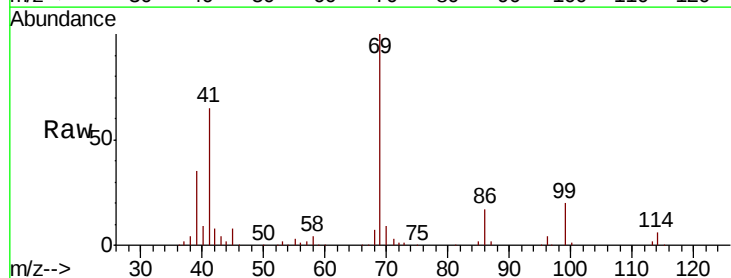
Manual Integrations
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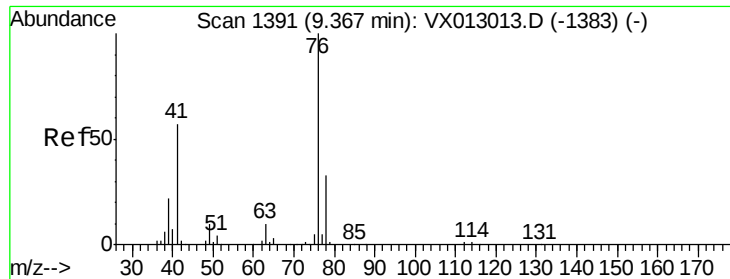
MMDadoda
 10/14/2019 10:39:35 AM



#56
 Ethyl methacrylate
 Concen: 19.880 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion:	69	Resp:	62674
Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.1	78.1
39	34.3	27.8	41.8





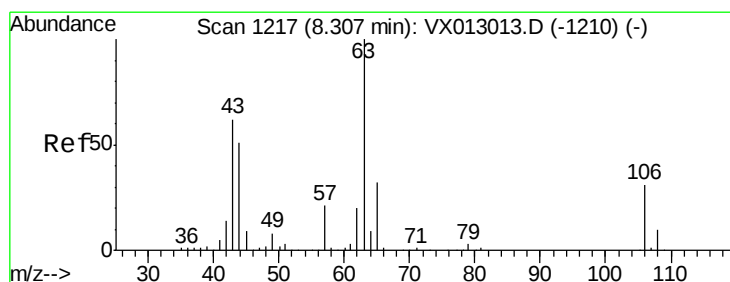
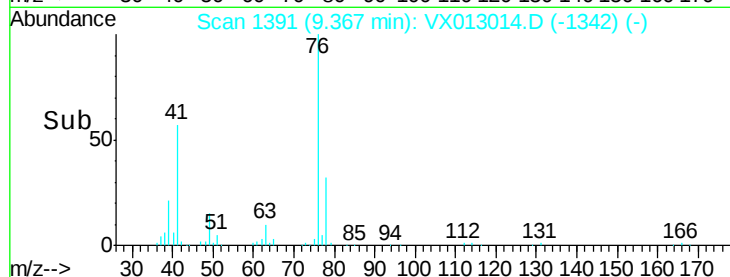
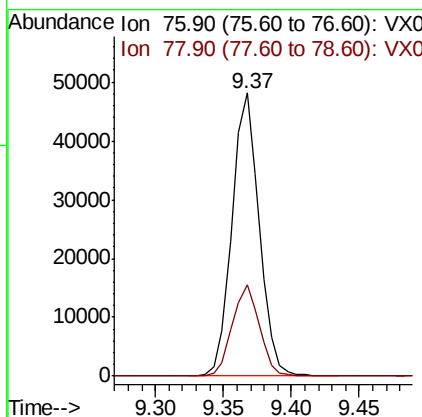
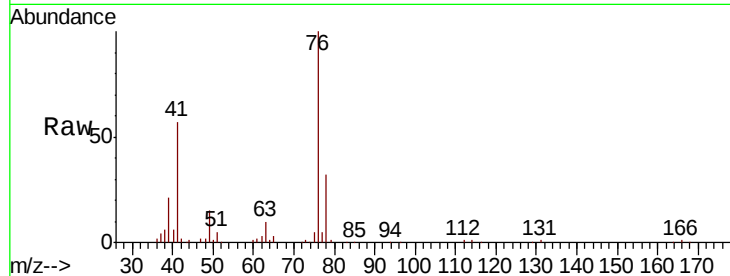
#57
 1,3-Dichloropropane
 Concen: 20.739 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion: 76 Resp: 67017
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1

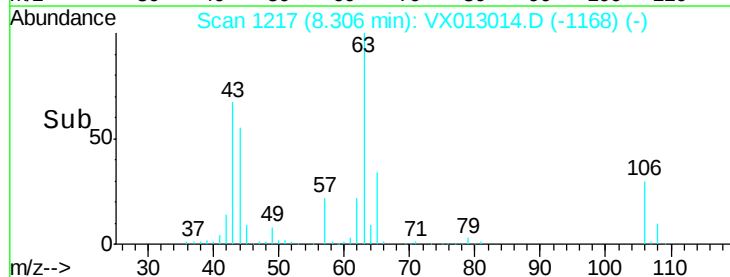
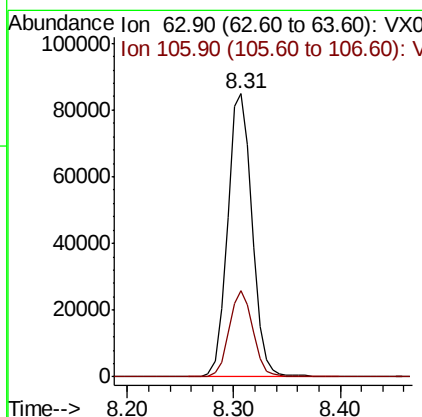
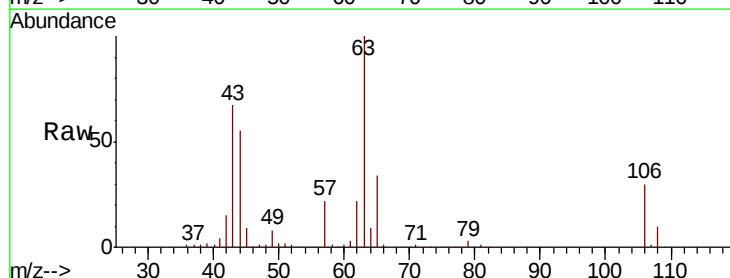
Manual Integrations
 APPROVED

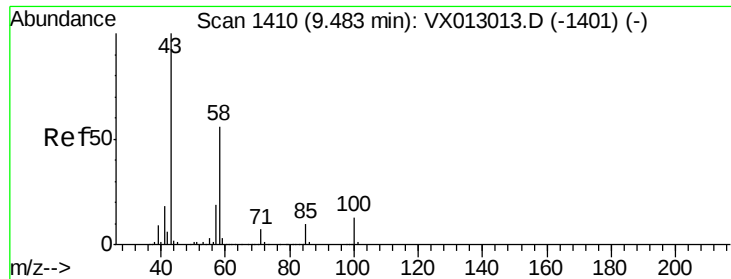
MMDadoda
 10/14/2019 10:39:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.855 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion: 63 Resp: 137038
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.8 35.8





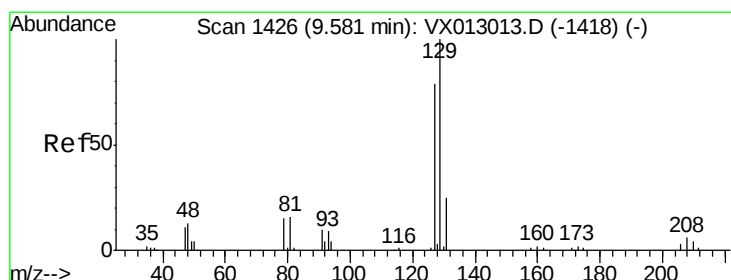
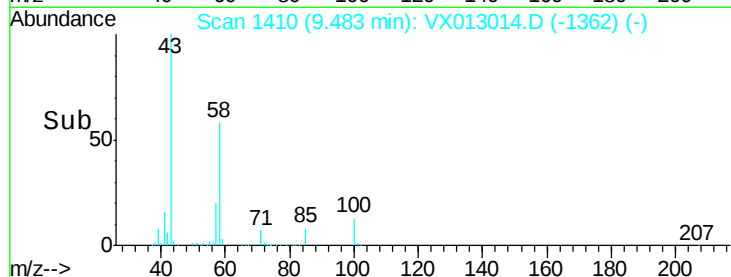
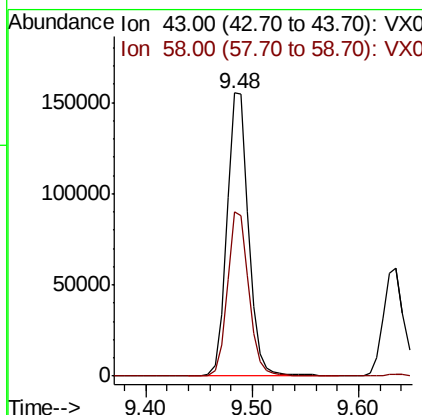
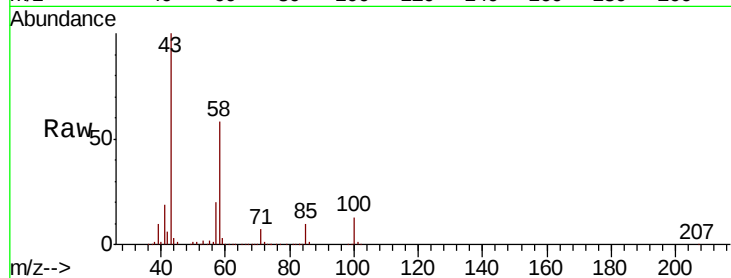
#59
2-Hexanone
Concen: 101.611 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	43	Resp	221117
Ion	Ratio	Lower	Upper
43	100		
58	57.5	28.1	84.3

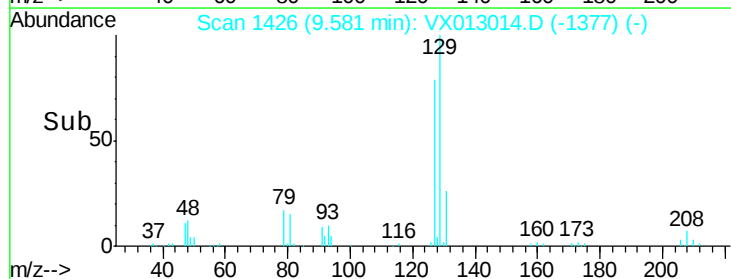
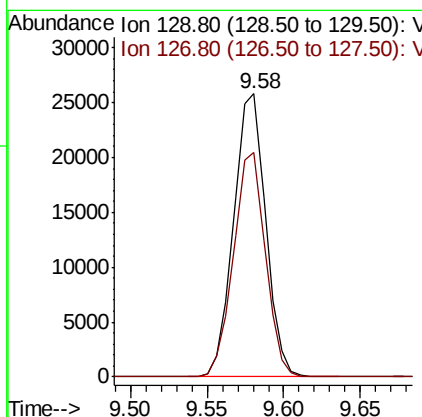
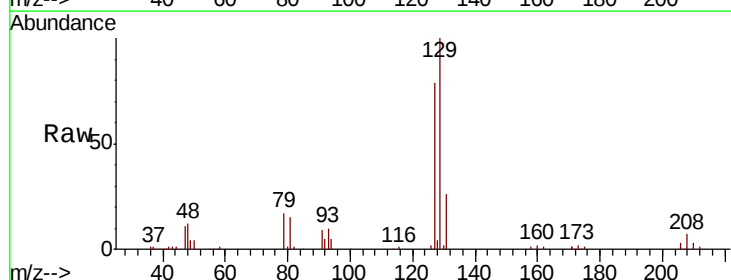
Manual Integrations
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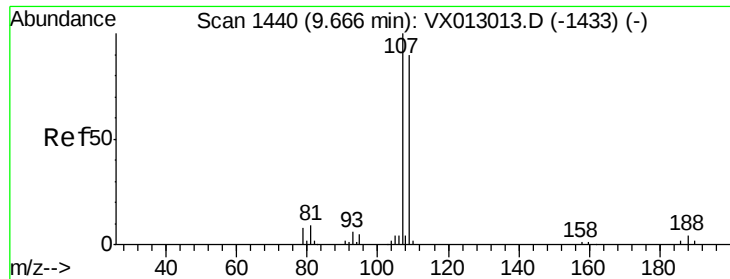
MMDadoda
10/14/2019 10:39:35 AM



#60
Dibromochloromethane
Concen: 19.242 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	129	Resp	37537
Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.9	116.7





#61

1,2-Dibromoethane

Concen: 20.504 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion: 107 Resp: 40294

Ion Ratio Lower Upper

107 100

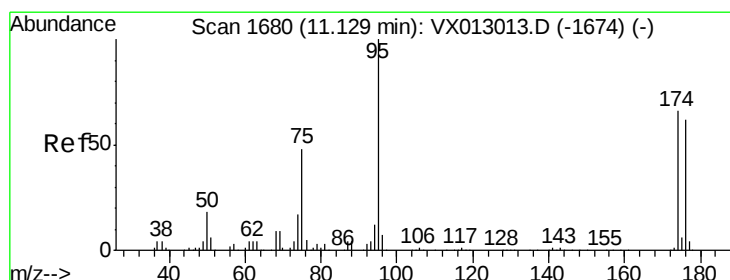
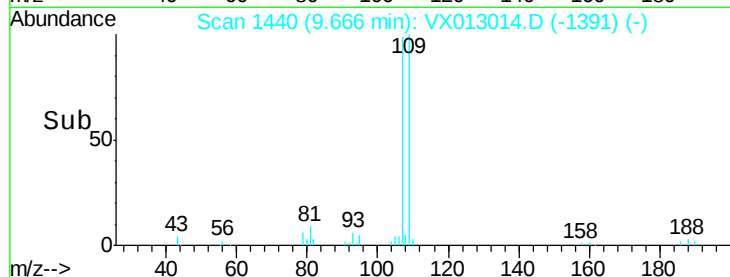
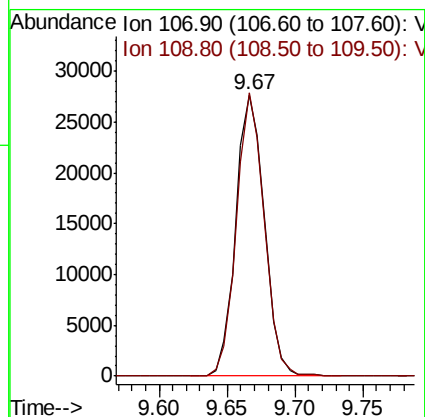
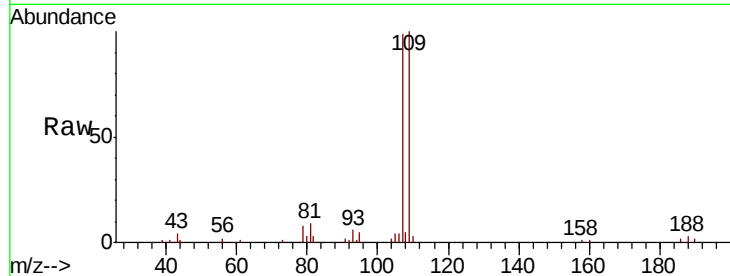
109 97.9 75.8 113.6

Manual Integrations

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MMDadoda

10/14/2019 10:39:35 AM



#62

4-Bromofluorobenzene

Concen: 48.510 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

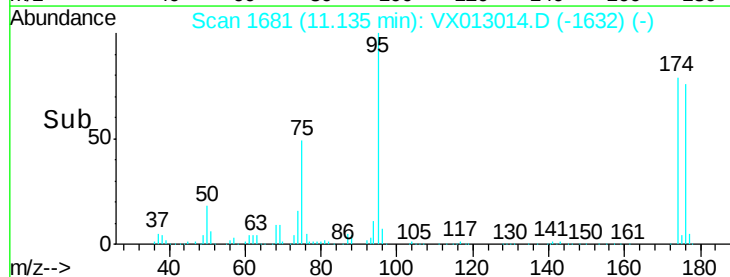
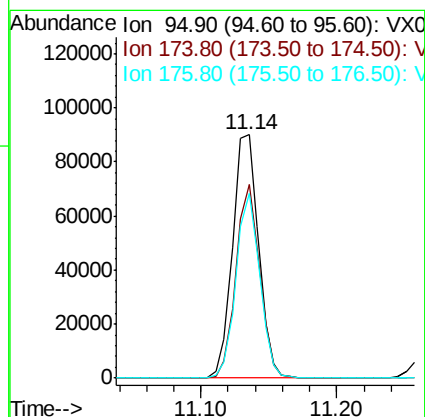
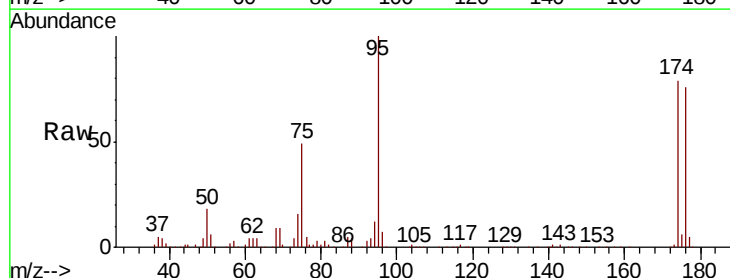
Tgt Ion: 95 Resp: 119894

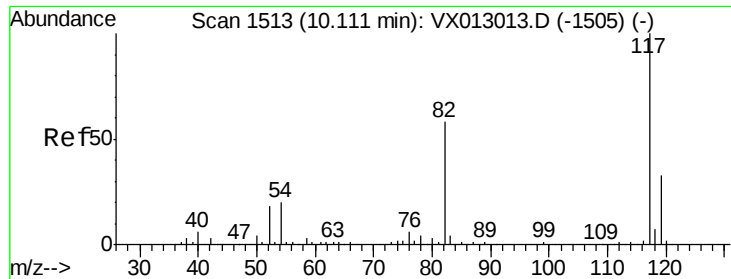
Ion Ratio Lower Upper

95 100

174 73.0 0.0 143.4

176 69.7 0.0 136.0





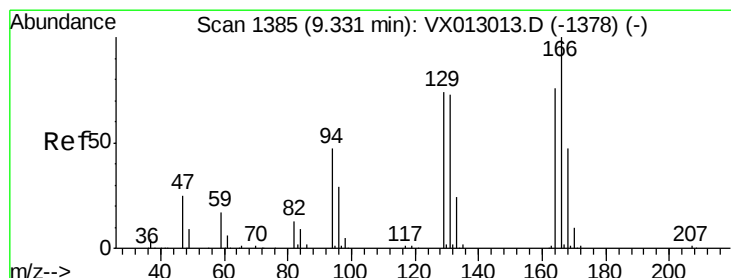
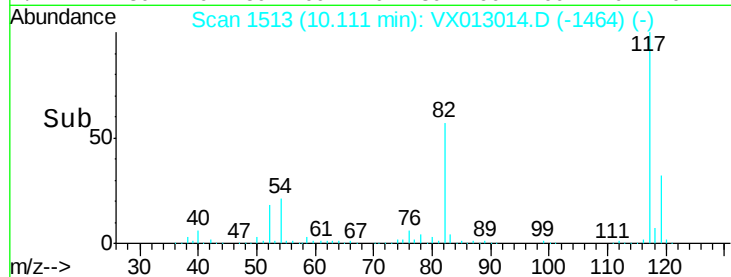
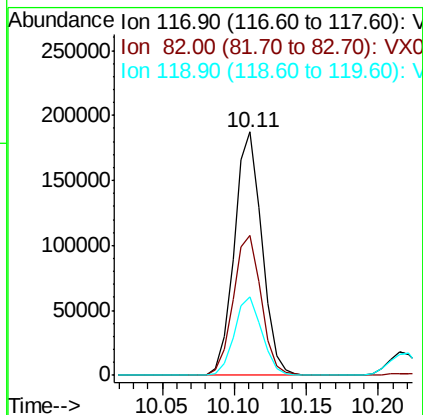
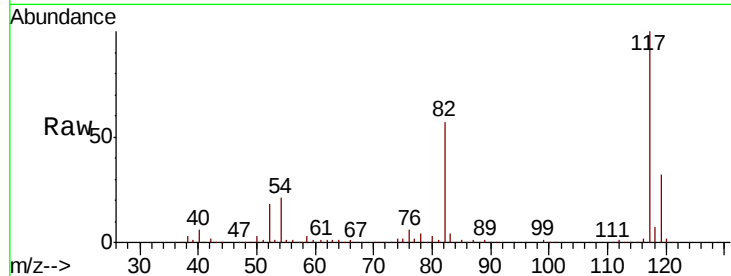
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.1	66.1
119	32.3	25.8	38.8

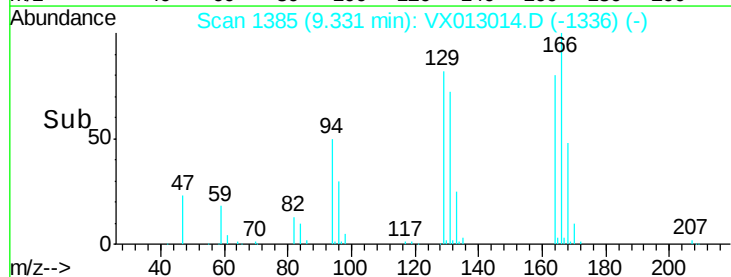
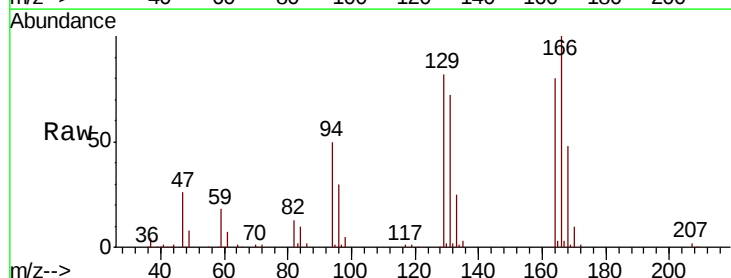
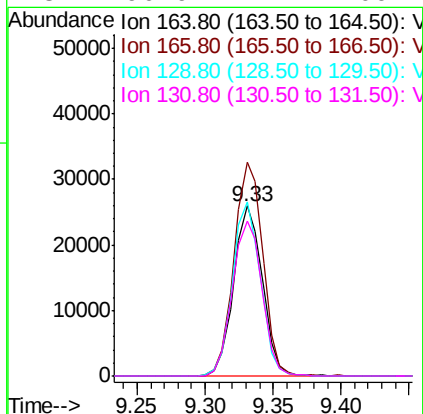
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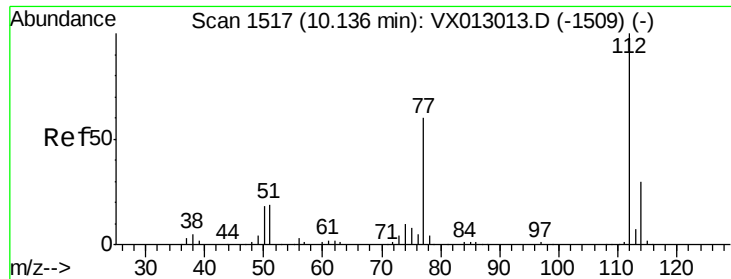
MMDadoda
10/14/2019 10:39:35 AM



#64
Tetrachloroethene
Concen: 21.868 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	96.9	145.3
129	102.9	77.9	116.9
131	90.9	72.7	109.1





#65

Chlorobenzene

Concen: 20.666 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion:112 Resp: 102978

Ion Ratio Lower Upper

112 100

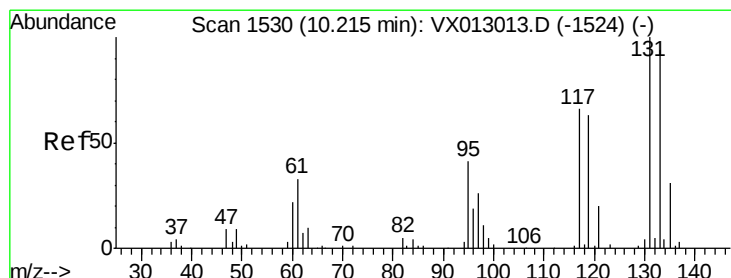
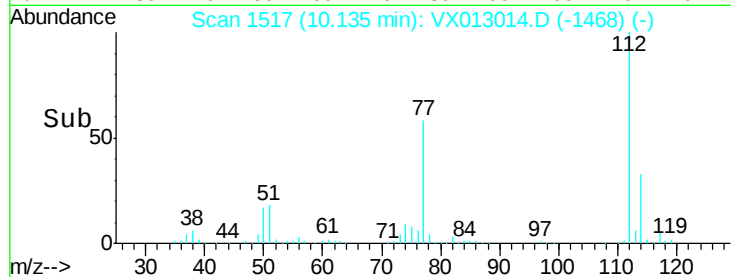
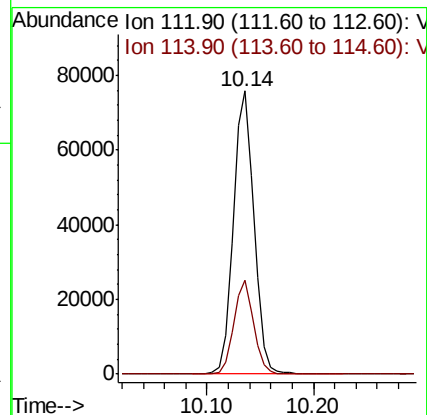
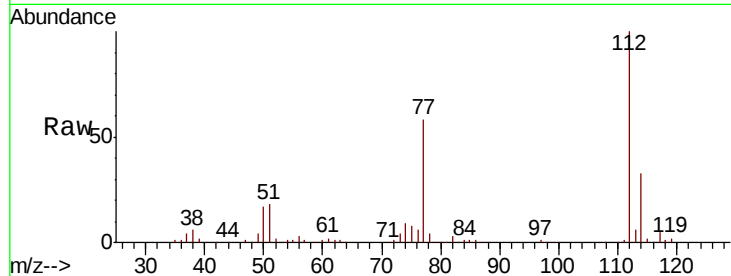
114 33.0 25.7 38.5

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.890 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

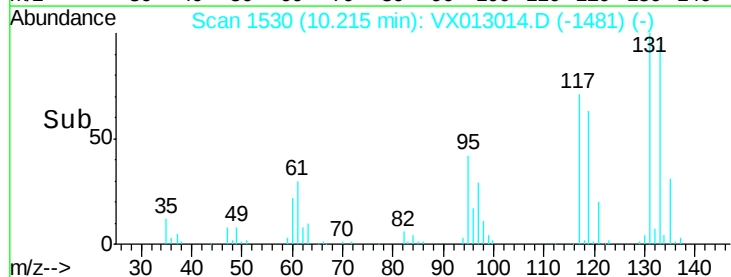
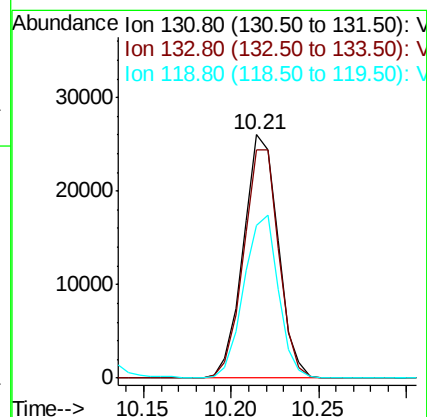
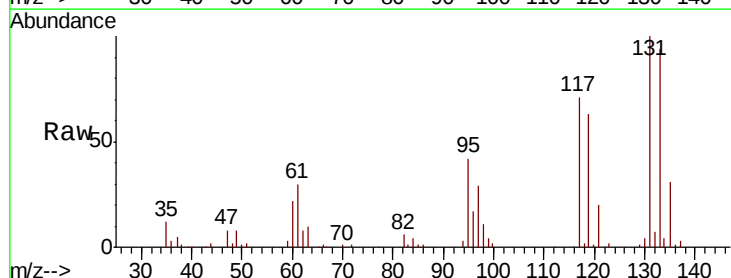
Tgt Ion:131 Resp: 36092

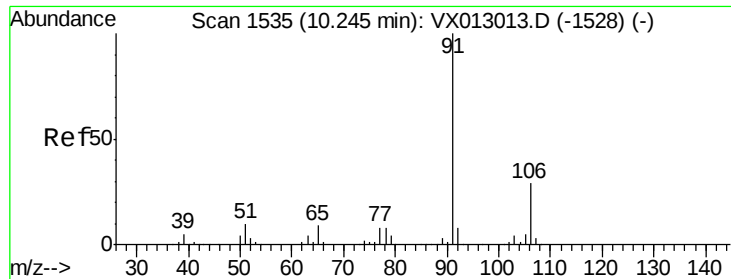
Ion Ratio Lower Upper

131 100

133 94.8 47.2 141.6

119 66.2 32.6 98.0





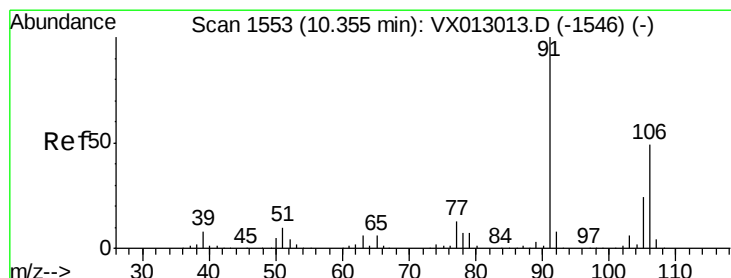
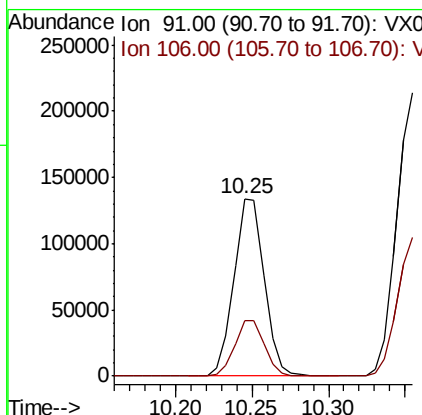
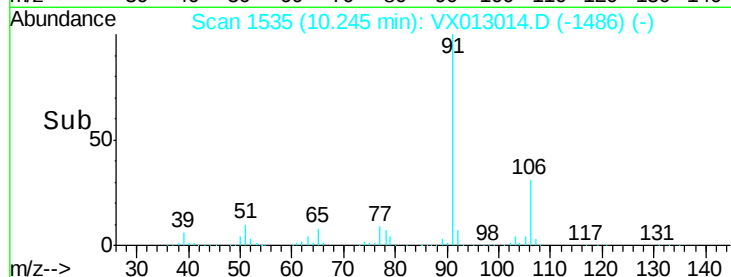
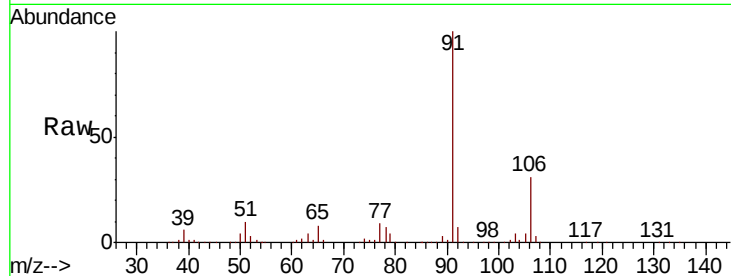
#67
Ethyl Benzene
Concen: 20.827 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion: 91 Resp: 184343
Ion Ratio Lower Upper
91 100
106 31.4 23.9 35.9

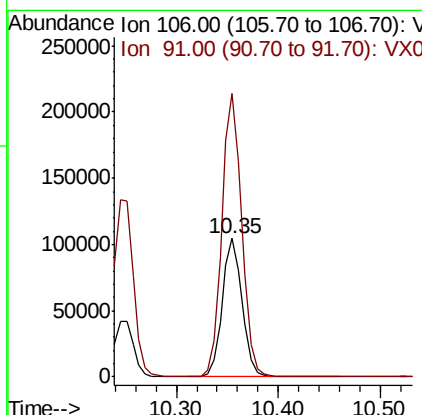
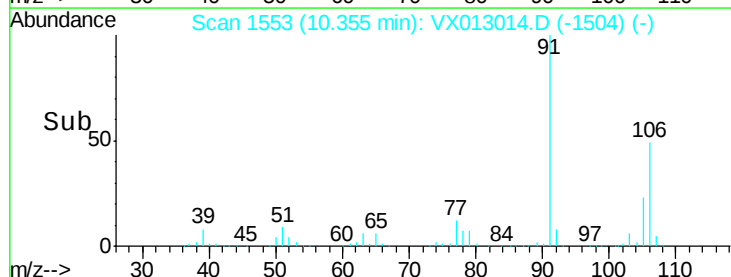
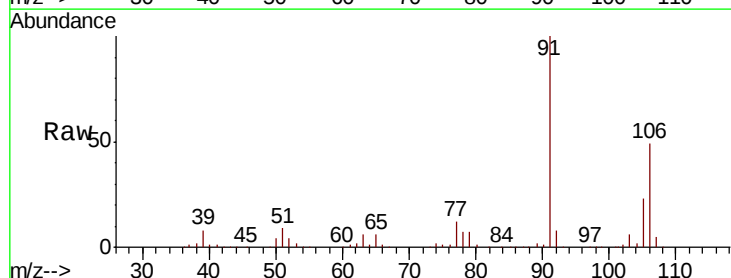
Manual Integrations
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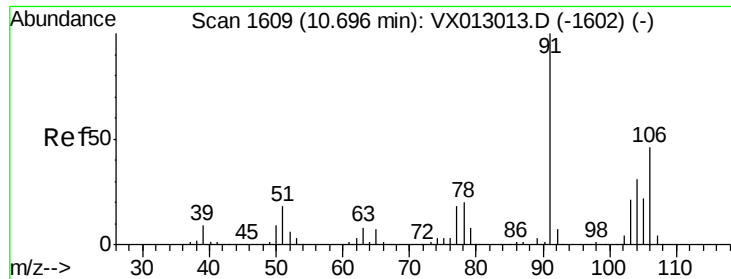
MMDadoda
10/14/2019 10:39:35 AM



#68
m/p-Xylenes
Concen: 42.499 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion: 106 Resp: 140531
Ion Ratio Lower Upper
106 100
91 205.7 165.3 247.9





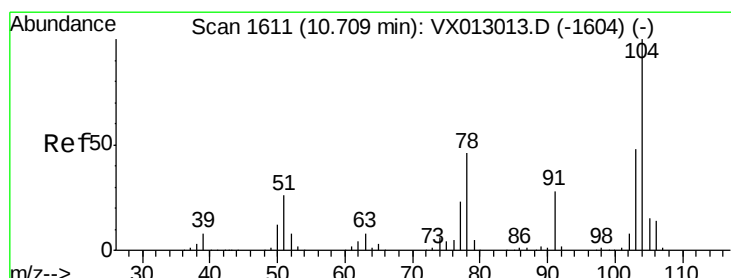
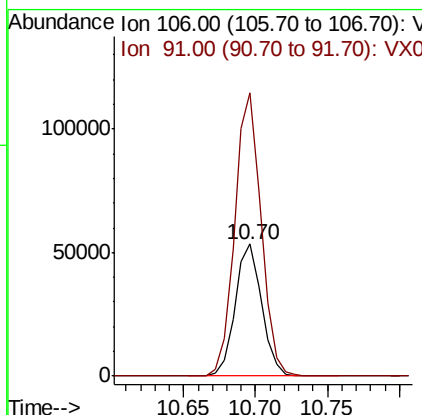
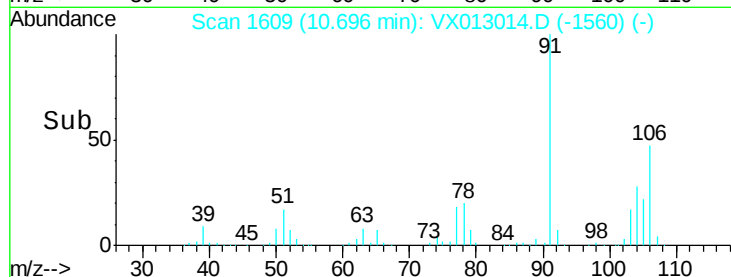
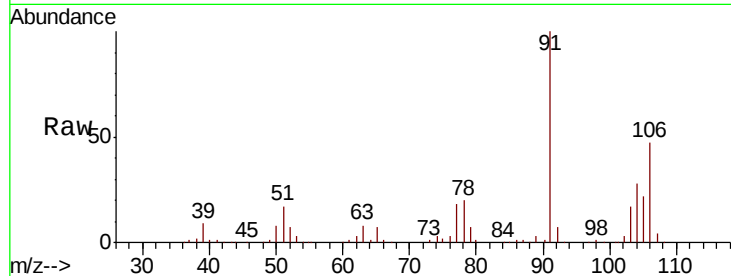
#69
o-Xylene
Concen: 21.316 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion:106 Resp: 68735
Ion Ratio Lower Upper
106 100
91 212.8 109.1 327.3

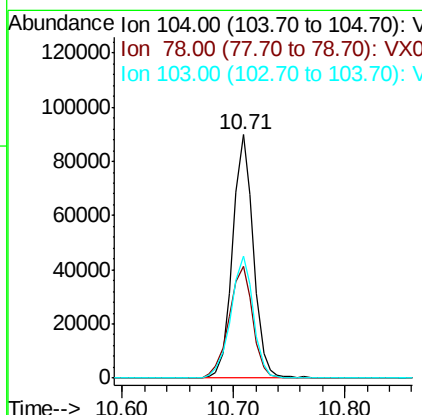
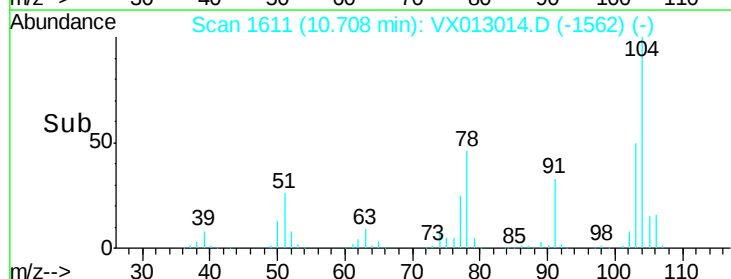
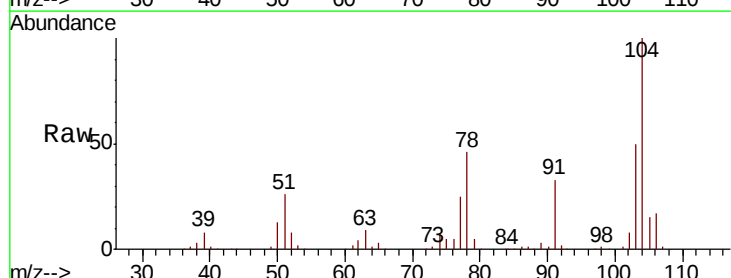
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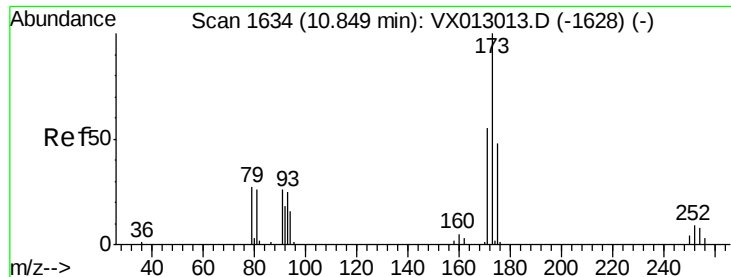
MMDadoda
10/14/2019 10:39:35 AM



#70
Styrene
Concen: 21.126 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion:104 Resp: 115811
Ion Ratio Lower Upper
104 100
78 52.5 41.2 61.8
103 54.4 43.0 64.4





#71

Bromoform

Concen: 19.161 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion:173 Resp: 25168

Ion Ratio Lower Upper

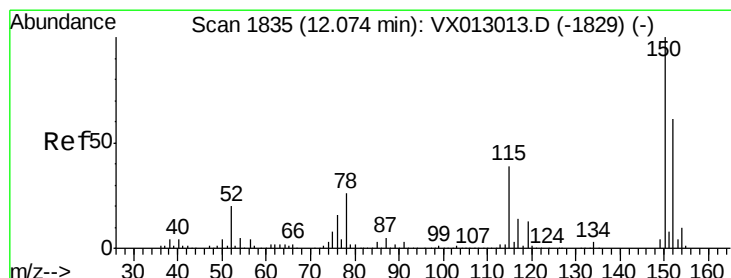
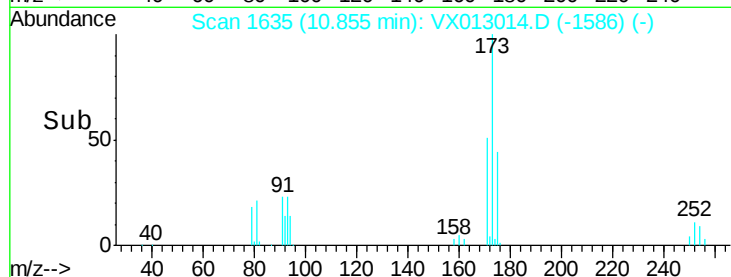
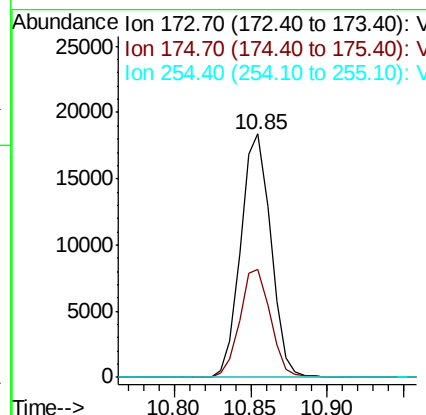
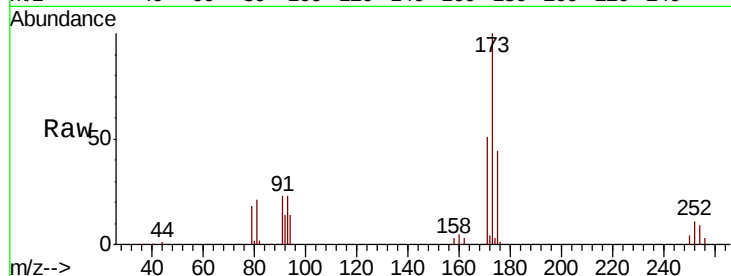
173 100

175 44.9 24.1 72.3

254 0.0 0.1 0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

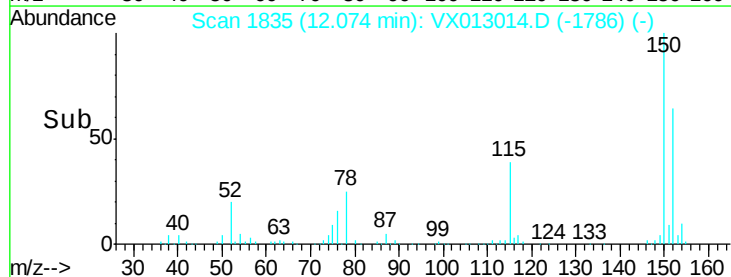
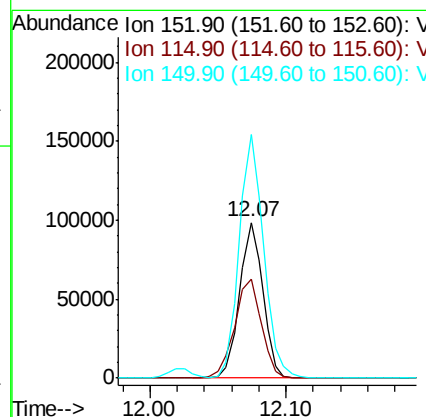
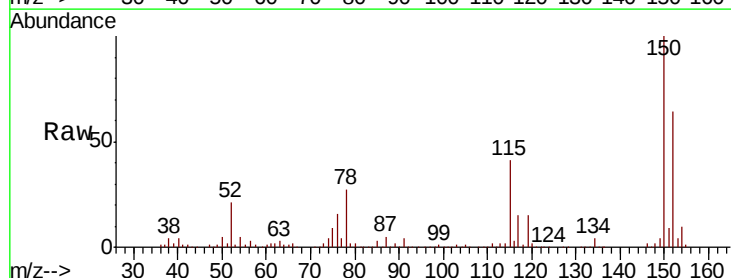
Tgt Ion:152 Resp: 117365

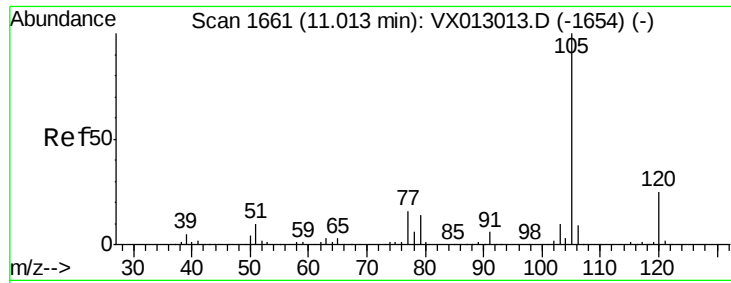
Ion Ratio Lower Upper

152 100

115 73.3 44.5 133.5

150 164.4 0.0 353.4





#73

Isopropylbenzene

Concen: 21.117 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion: 105 Resp: 182216

Ion Ratio Lower Upper

105 100

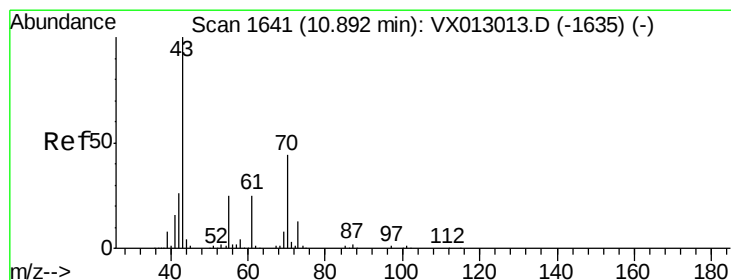
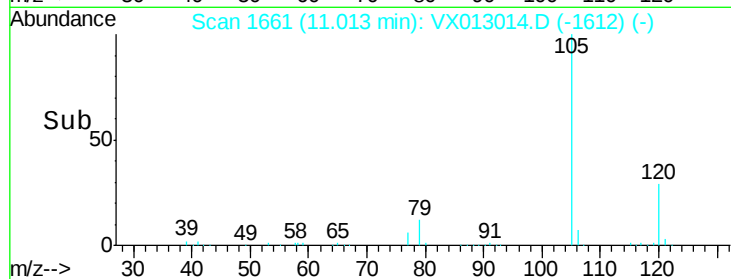
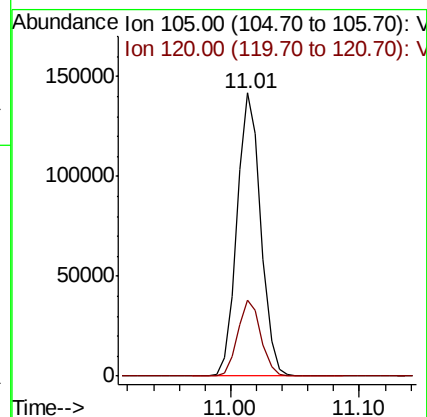
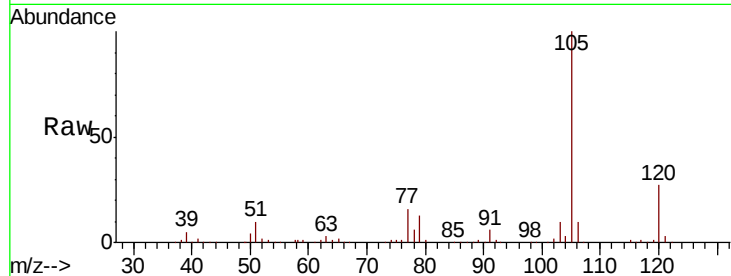
120 26.2 13.0 39.0

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#74

N-ethyl acetate

Concen: 20.052 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Tgt Ion: 43 Resp: 74517

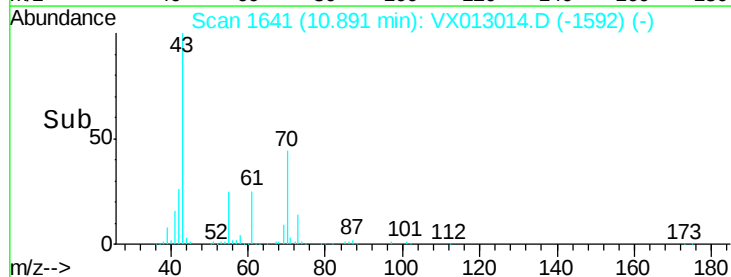
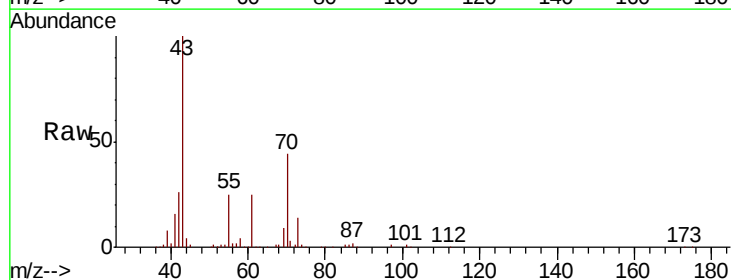
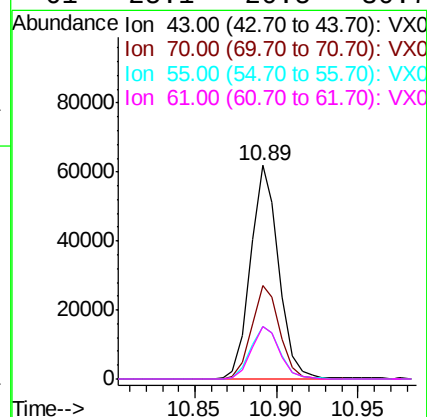
Ion Ratio Lower Upper

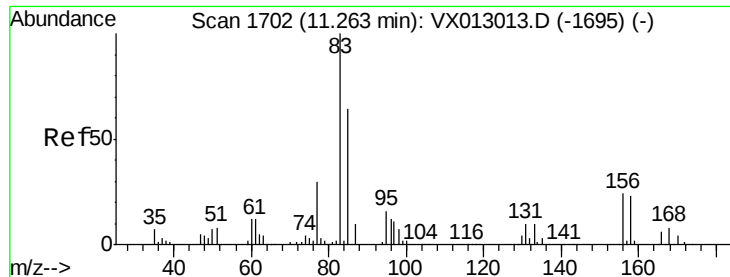
43 100

70 44.3 36.4 54.6

55 25.7 20.2 30.2

61 25.1 20.5 30.7





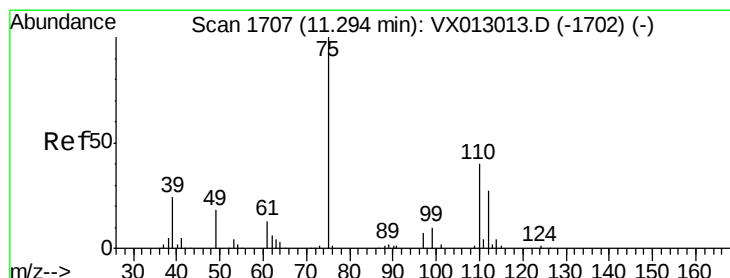
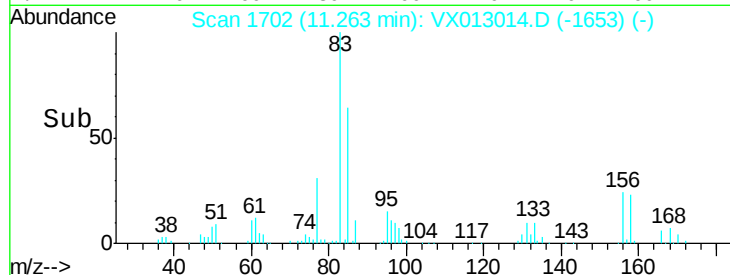
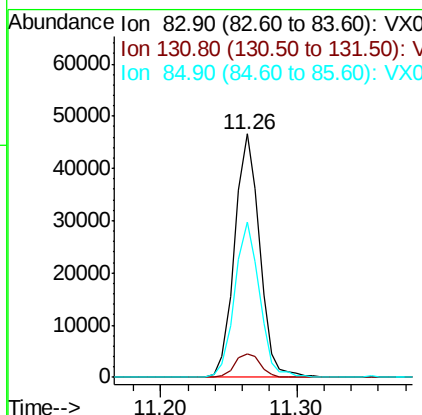
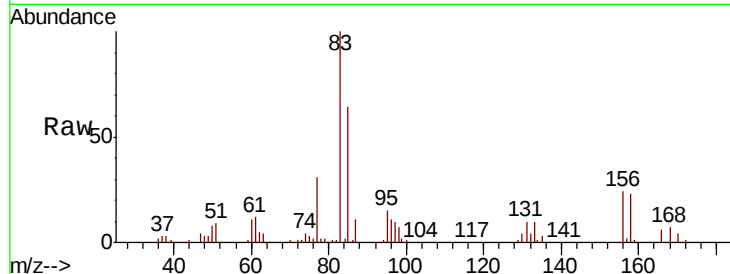
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.778 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.1	5.1	15.3	
85	63.7	32.1	96.5	

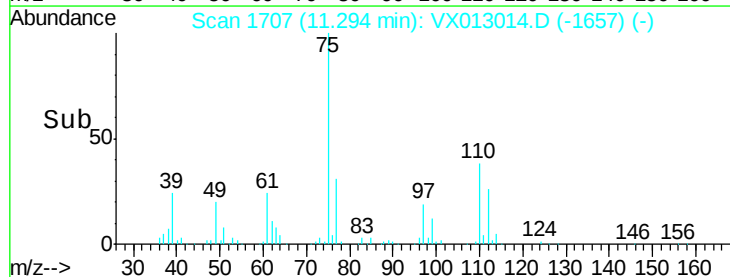
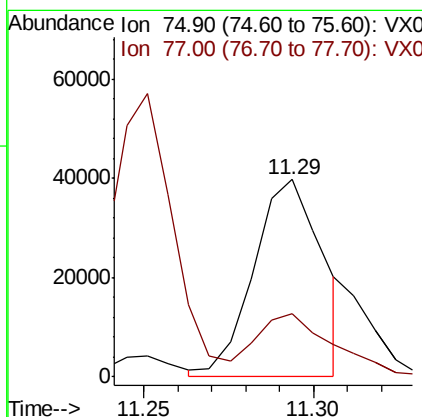
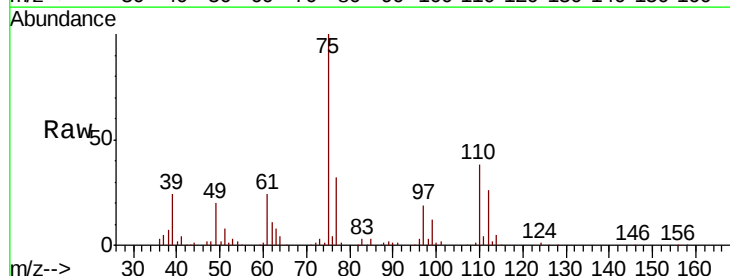
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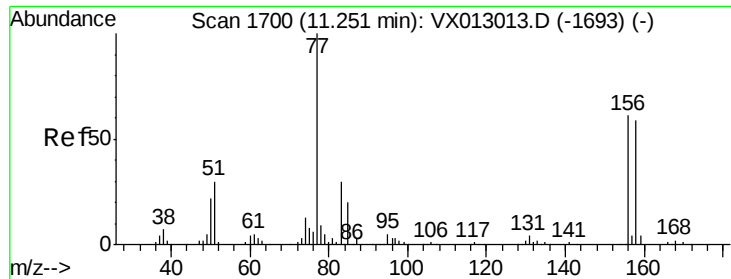
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 21.607 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	36.1	22.9	68.8	





#77

Bromobenzene

Concen: 20.858 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

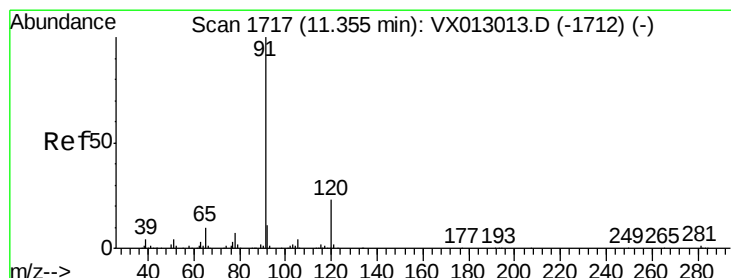
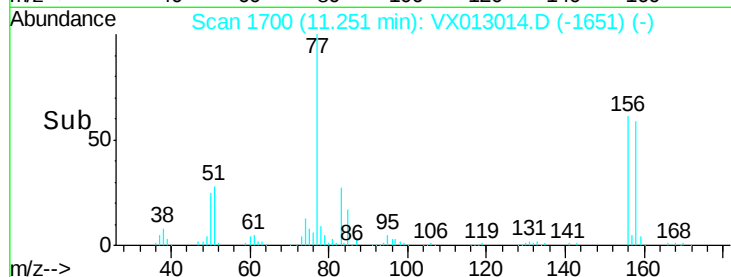
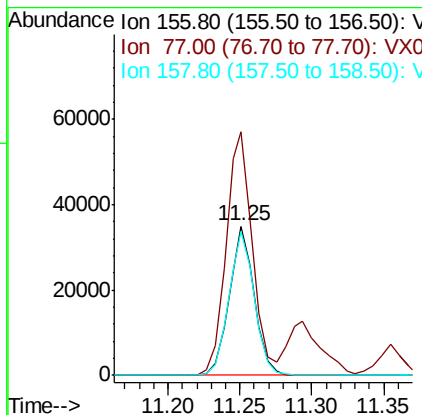
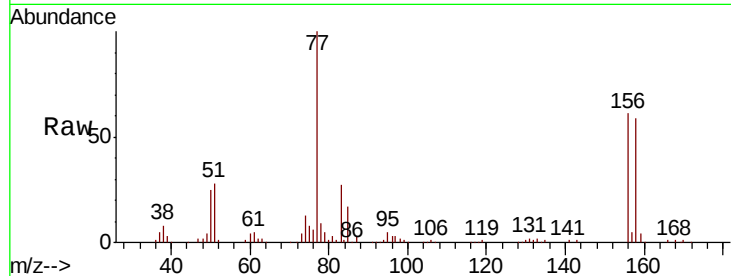
ClientSampleId :

VX1011MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.7	83.7	251.0
158	98.3	48.6	145.9

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#78

n-propylbenzene

Concen: 21.211 ug/l

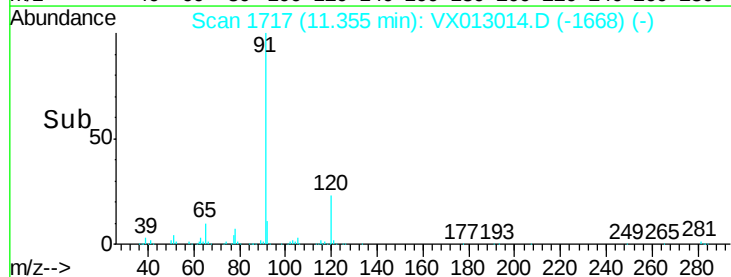
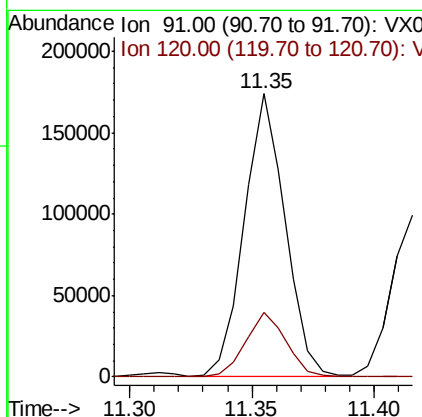
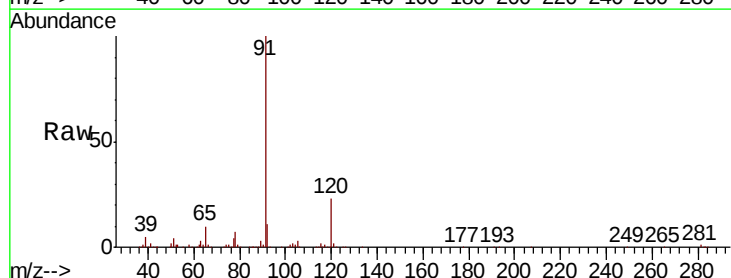
RT: 11.35 min Scan# 1717

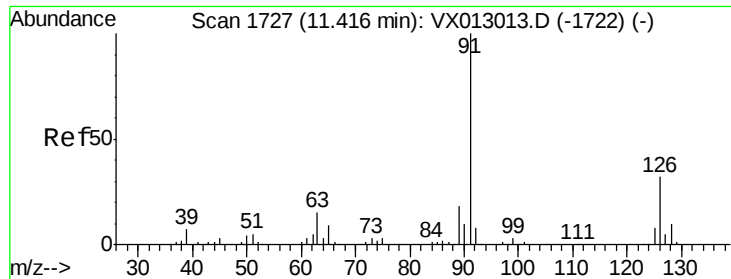
Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.7	35.1





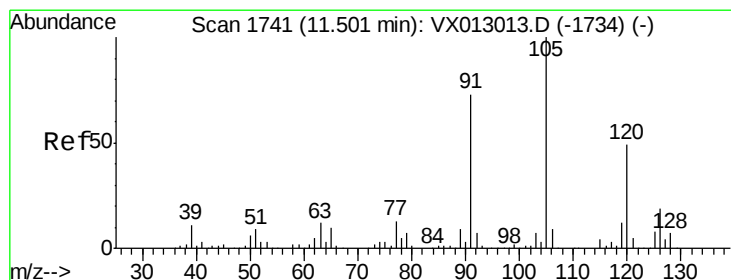
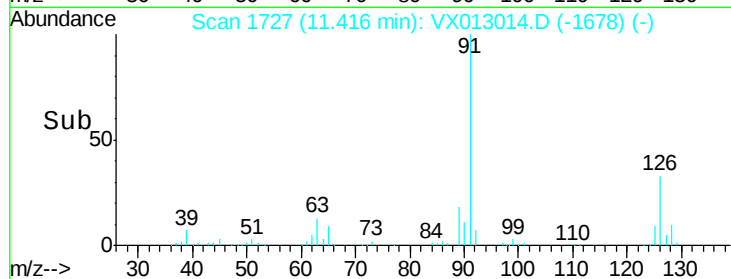
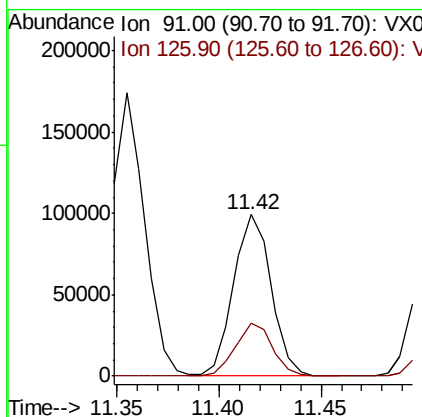
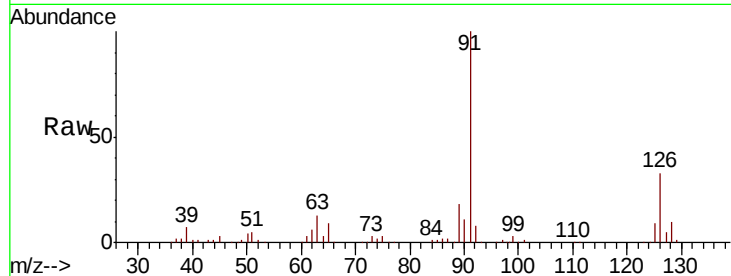
#79
 2-Chlorotoluene
 Concen: 21.053 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion: 91 Resp: 125632
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.3 48.8

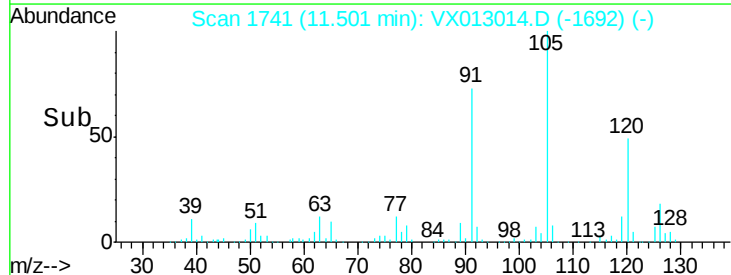
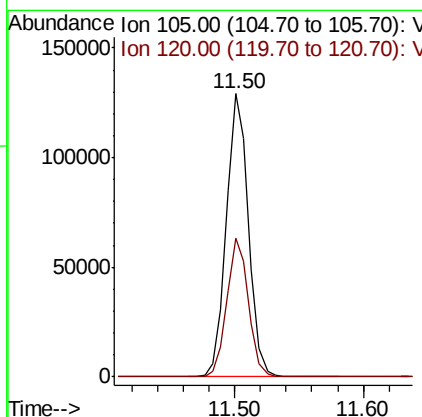
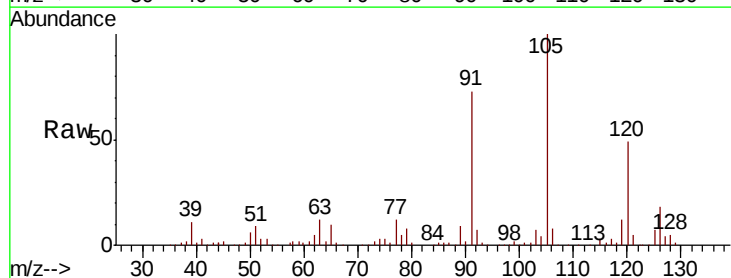
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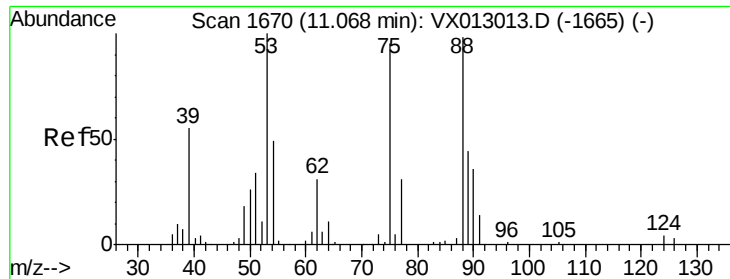
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.643 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion: 105 Resp: 155944
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.042 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion: 75 Resp: 16489

Ion Ratio Lower Upper

75 100

53 101.0 78.5 117.7

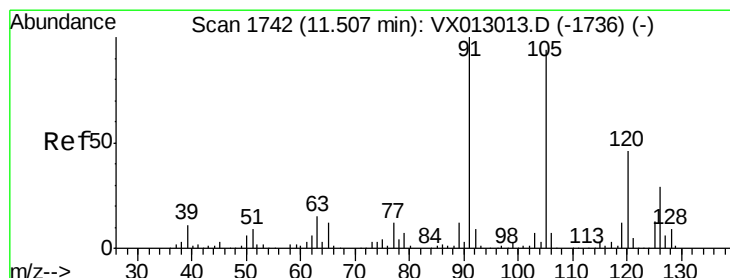
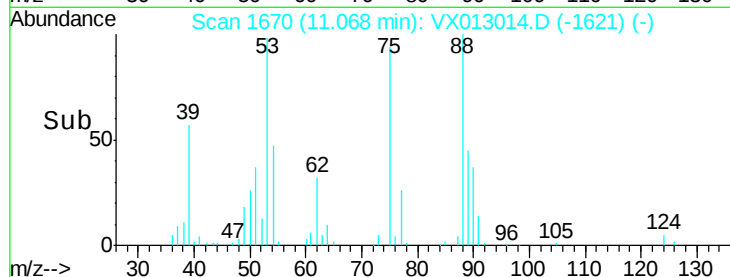
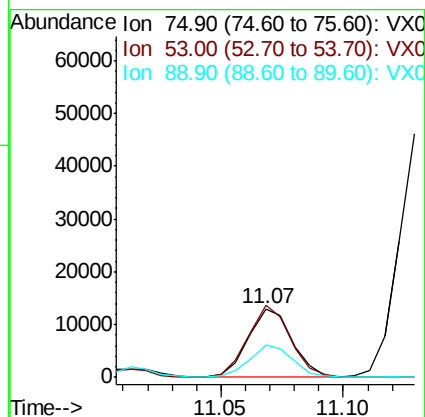
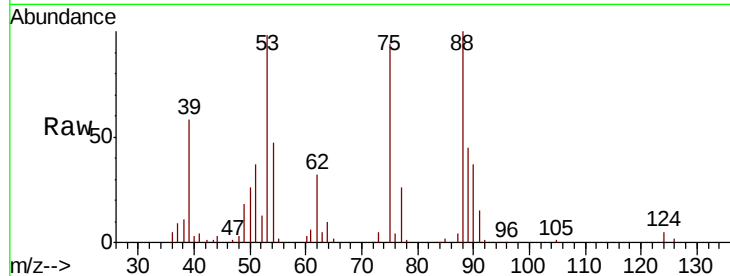
89 46.4 37.4 56.2

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#82

4-Chlorotoluene

Concen: 20.971 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013014.D

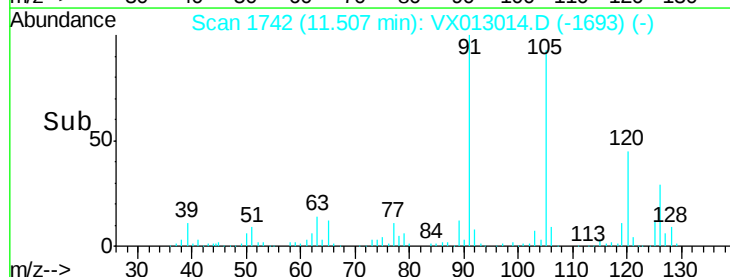
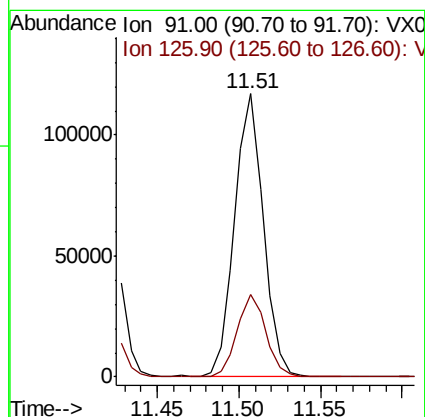
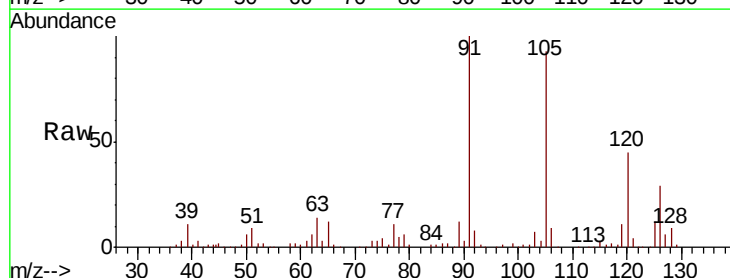
Acq: 11 Oct 2019 14:23

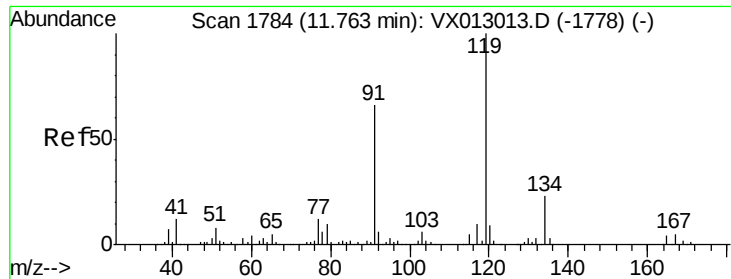
Tgt Ion: 91 Resp: 143437

Ion Ratio Lower Upper

91 100

126 29.1 14.2 42.6





#83

tert-Butylbenzene

Concen: 21.119 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

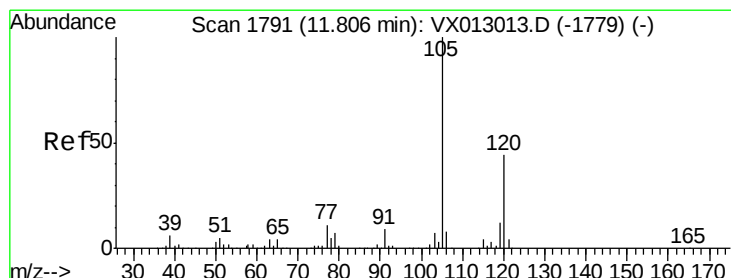
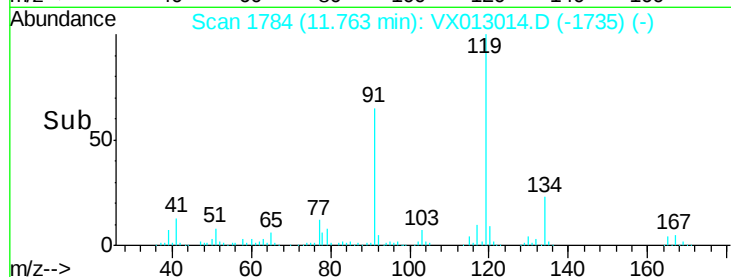
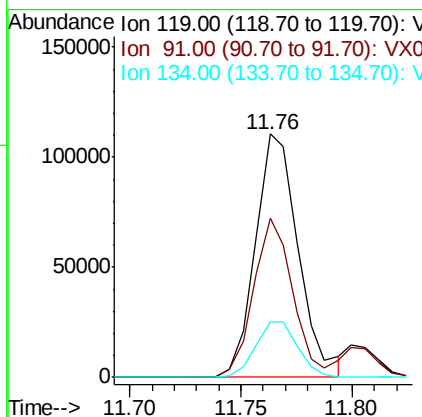
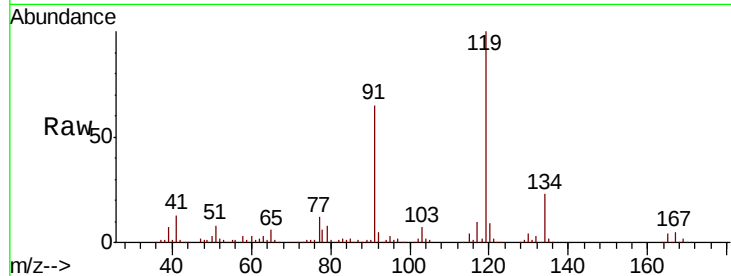
ClientSampled :

VX1011MBS01

Tot Ion	119	Resp	148439
Ion Ratio	Lower	Upper	
119	100		
91	59.8	29.3	87.9
134	22.6	11.5	34.4

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#84

1,2,4-Trimethylbenzene

Concen: 21.114 ug/l

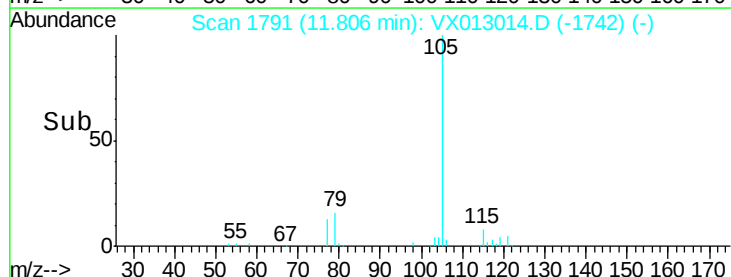
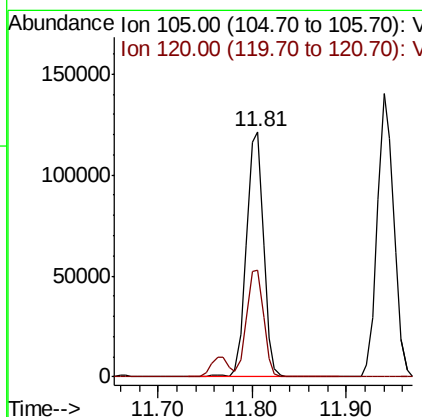
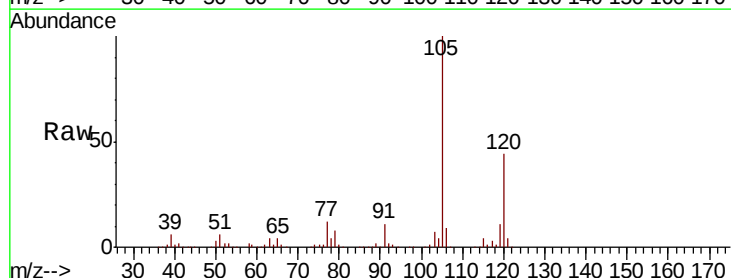
RT: 11.81 min Scan# 1791

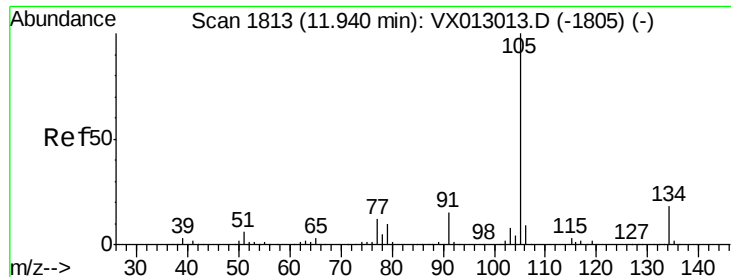
Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Tgt Ion	105	Resp	154071
Ion Ratio	Lower	Upper	
105	100		
120	43.5	21.8	65.3





#85

sec-Butylbenzene

Concen: 20.953 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1011MBS01

Tot Ion:105 Resp: 170620

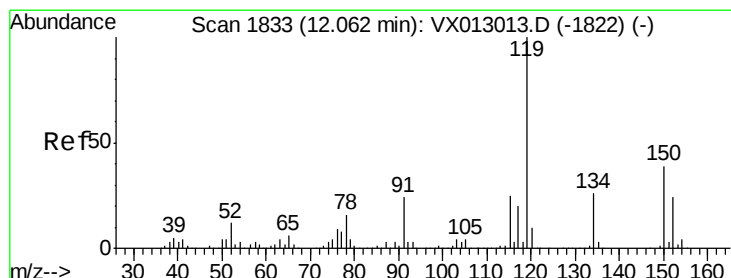
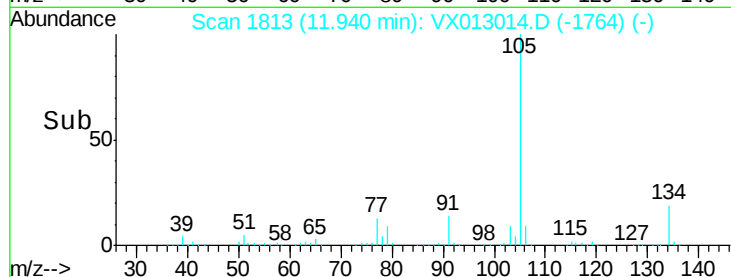
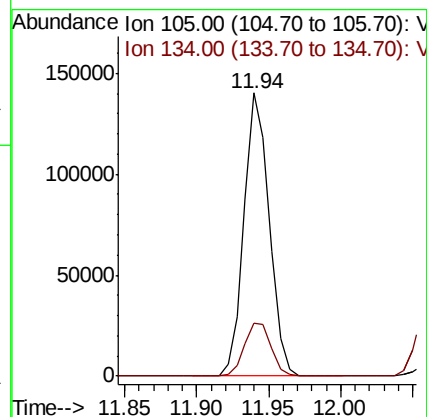
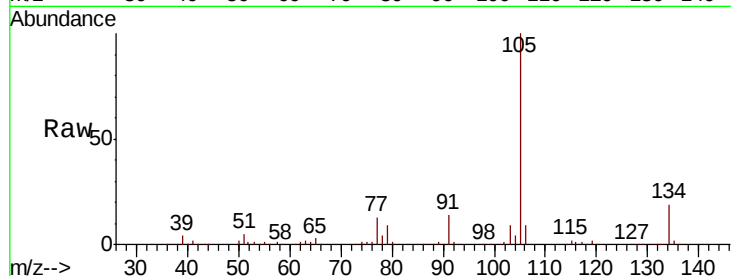
Ion Ratio Lower Upper

105 100

134 19.8 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 20.619 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

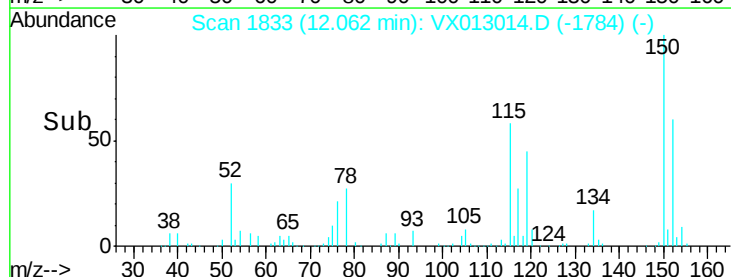
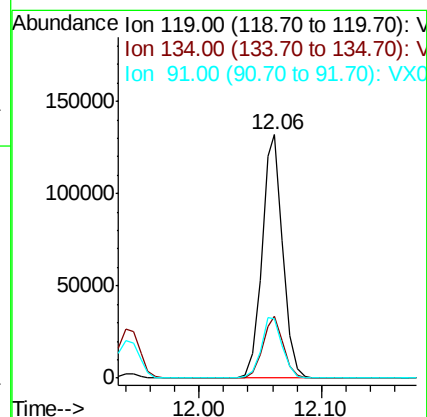
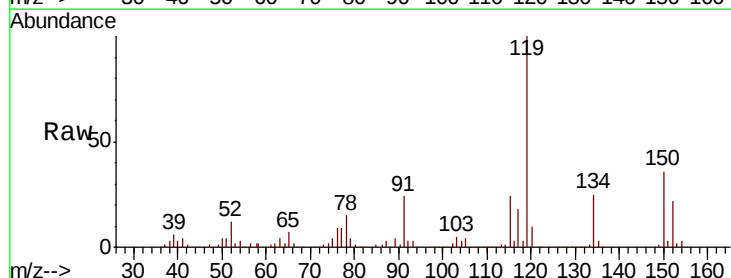
Tgt Ion:119 Resp: 155714

Ion Ratio Lower Upper

119 100

134 25.0 12.6 37.8

91 25.6 12.4 37.4





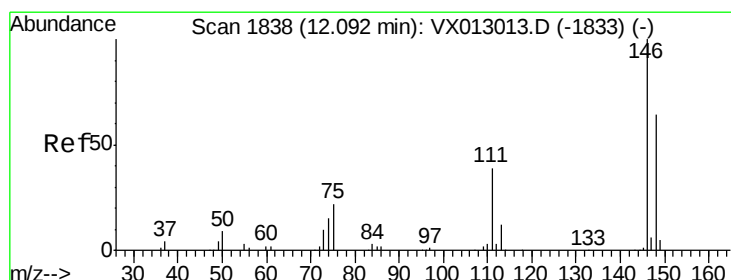
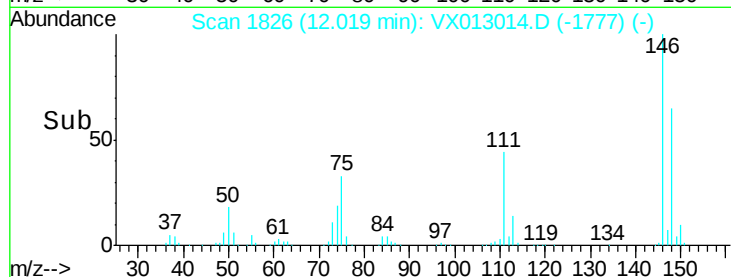
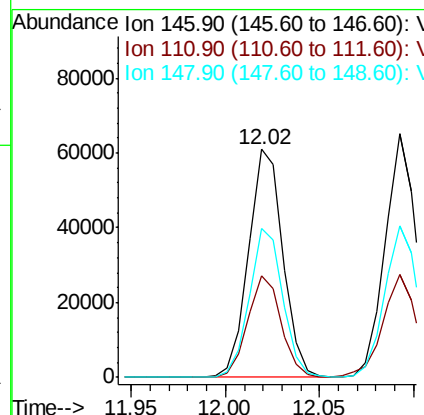
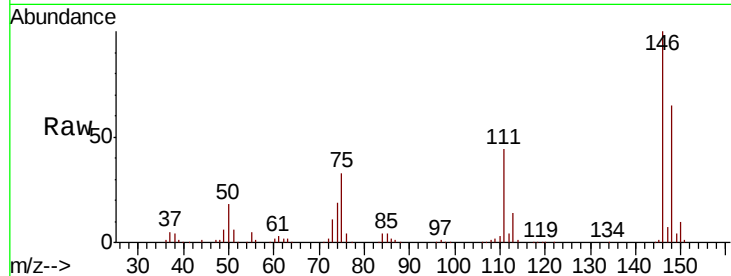
#87
 1,3-Dichlorobenzene
 Concen: 20.384 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.4
148	63.5	31.6	95.0

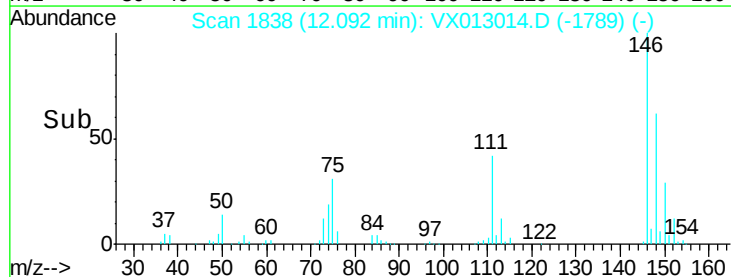
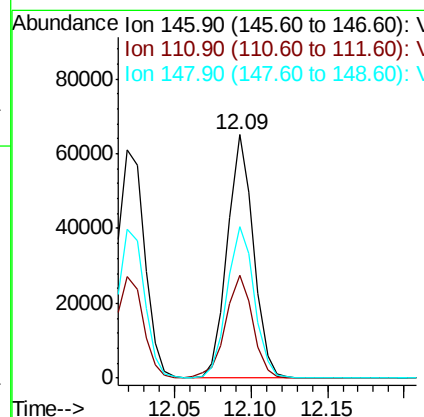
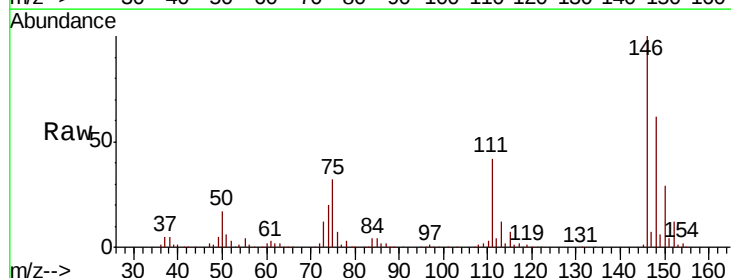
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#88
 1,4-Dichlorobenzene
 Concen: 20.102 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.4	64.3
148	65.2	32.1	96.5





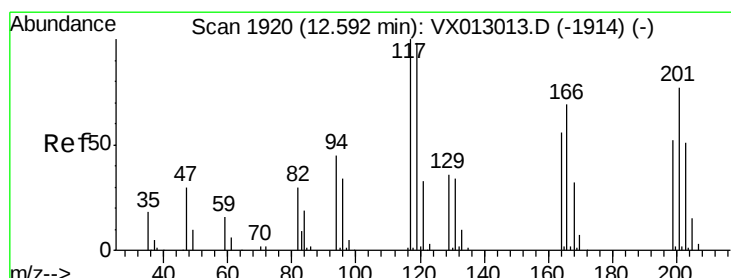
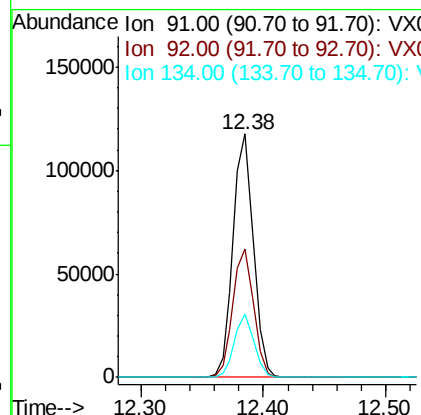
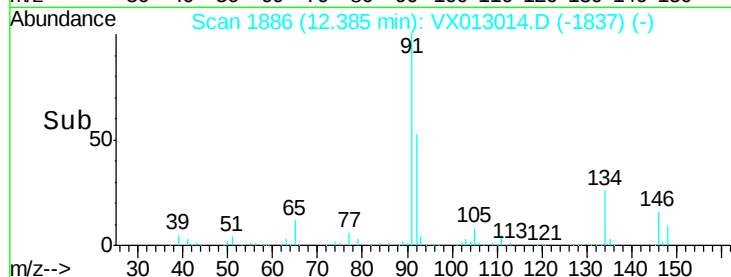
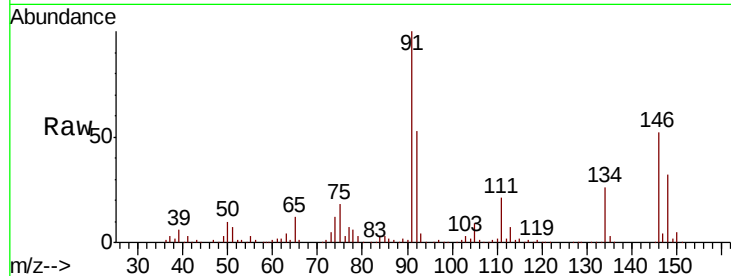
#89
n-Butylbenzene
Concen: 21.333 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1011MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		135407		
92	53.9	27.5	82.5		
134	25.0	12.9	38.7		

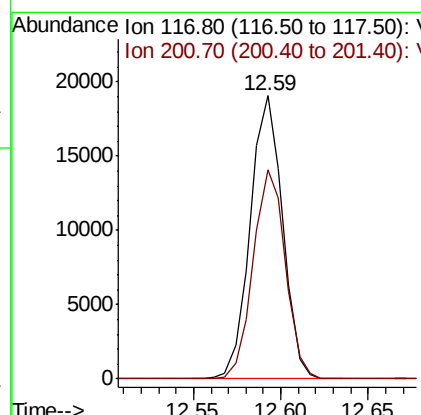
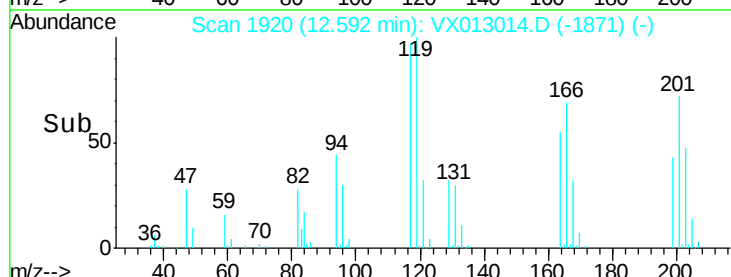
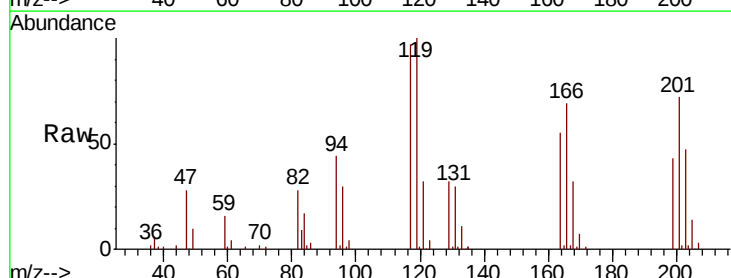
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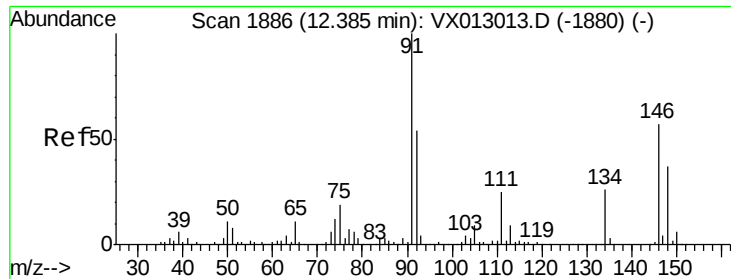
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#90
Hexachloroethane
Concen: 18.909 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013014.D
Acq: 11 Oct 2019 14:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		24525		
201	73.6	36.9	110.7		





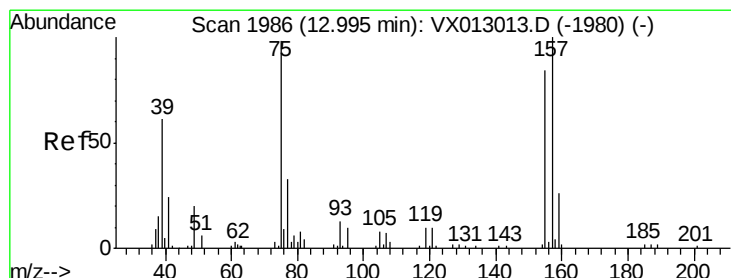
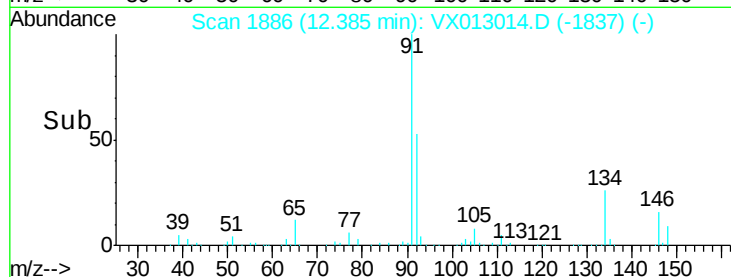
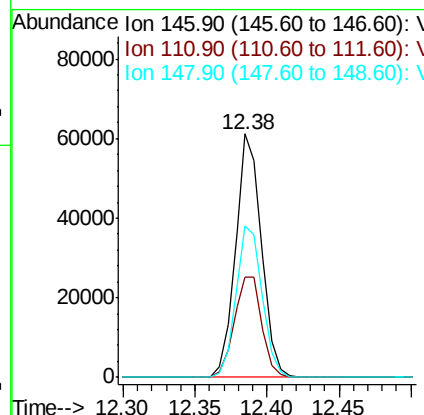
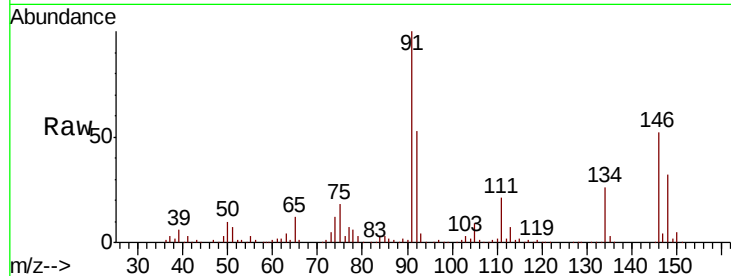
#91
 1,2-Dichlorobenzene
 Concen: 20.815 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.7	68.0
148	62.9	31.6	94.7

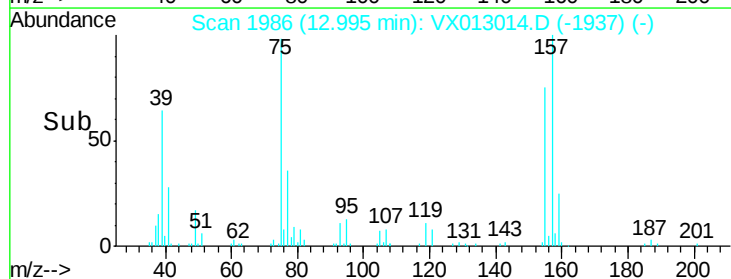
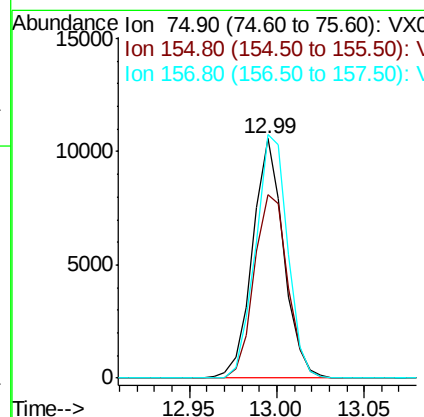
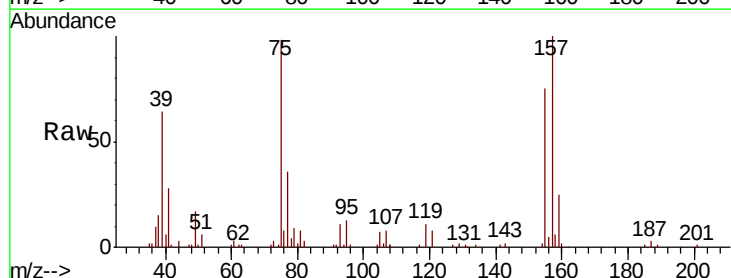
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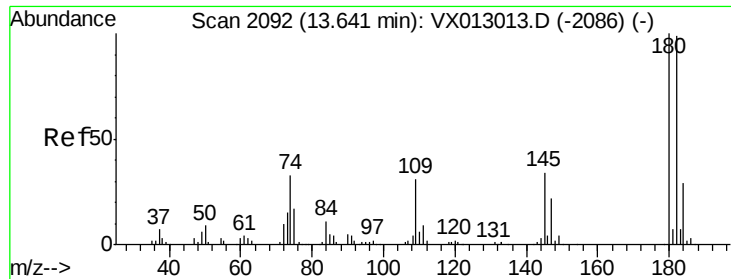
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.430 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	43.0	128.8
157	104.9	54.1	162.3





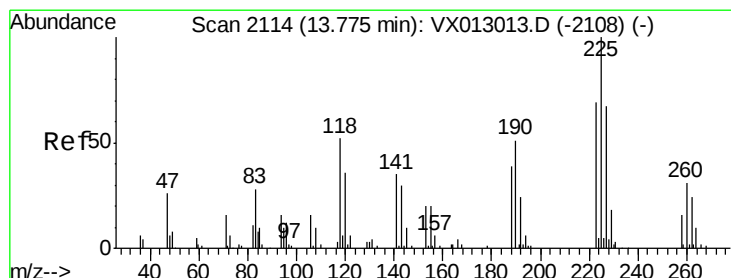
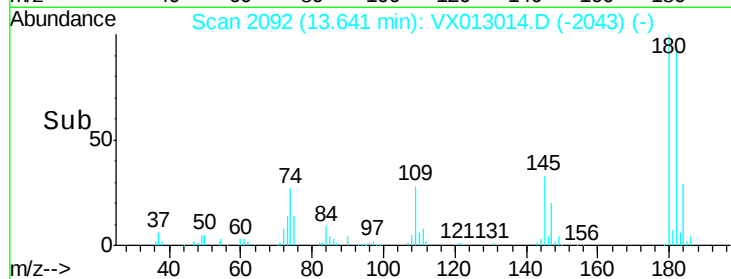
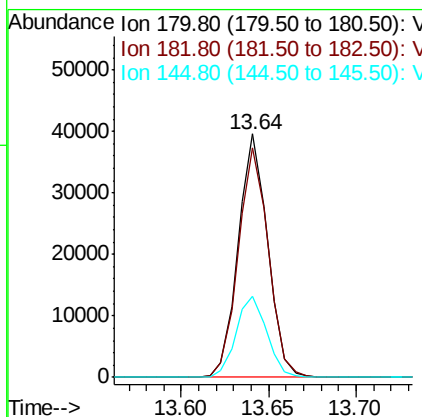
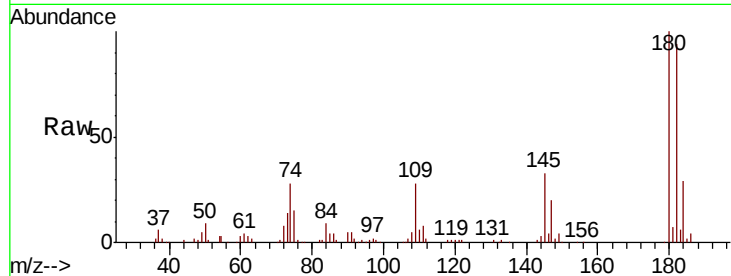
#93
 1,2,4-Trichlorobenzene
 Concen: 19.896 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.8	140.4
145	34.8	16.2	48.6

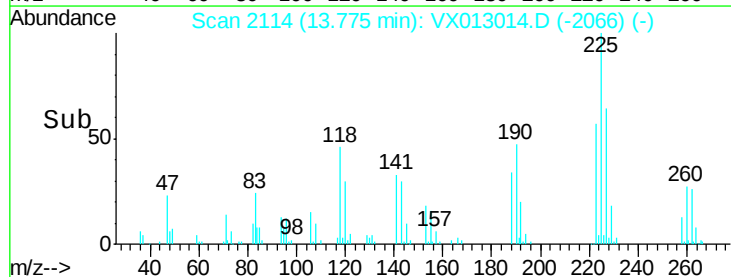
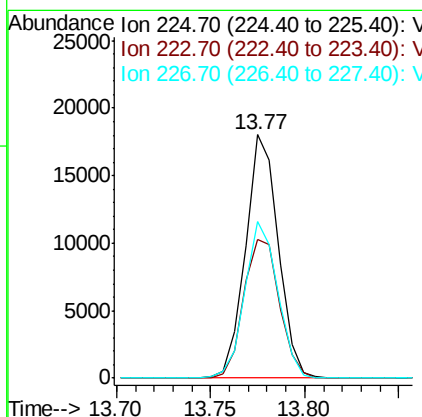
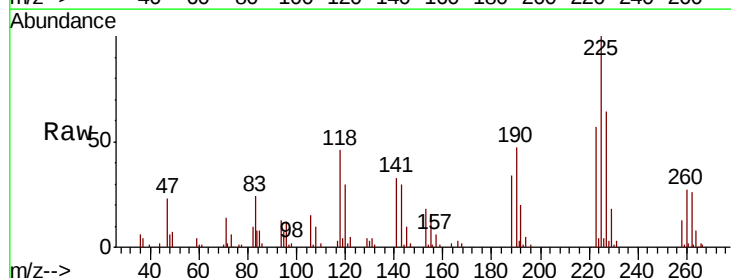
Manual Integrations
 APPROVED

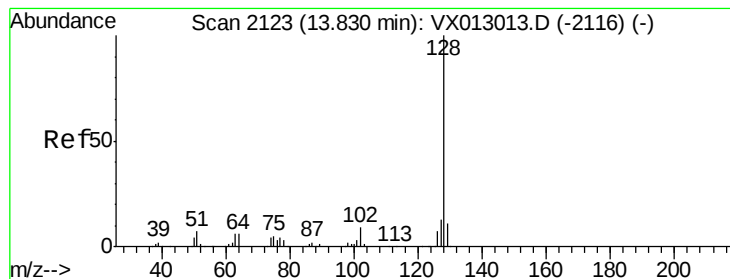
MMDadoda
 10/14/2019 10:39:35 AM



#94
 Hexachlorobutadiene
 Concen: 20.342 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX013014.D
 Acq: 11 Oct 2019 14:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.1	93.2
227	64.7	32.3	96.9





#95

Naphthalene

Concen: 20.367 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Instrument :

MSVOA_X

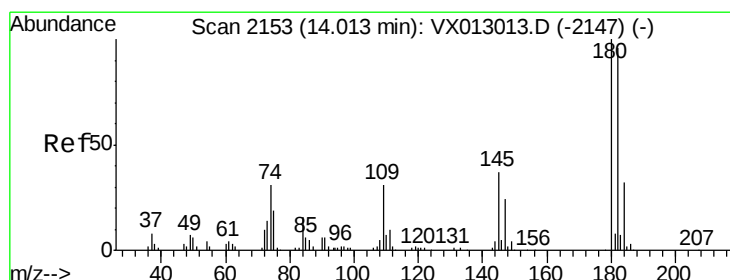
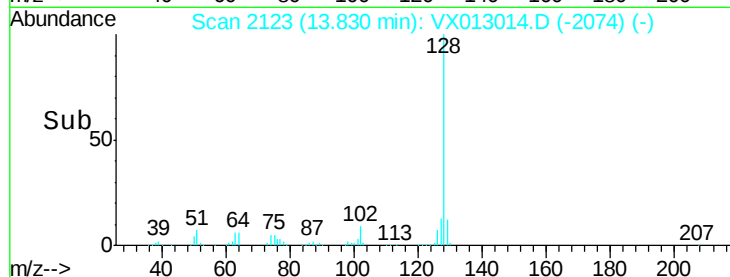
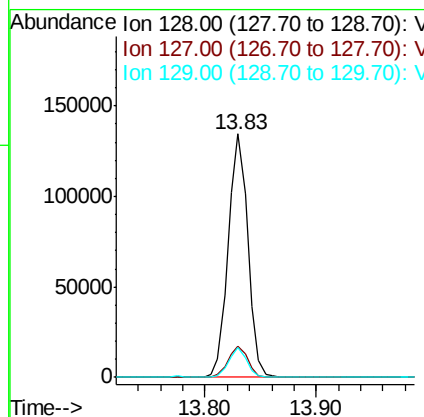
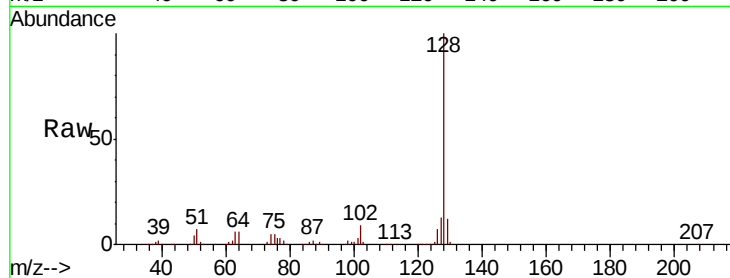
ClientSampleId :

VX1011MBS01

Tot Ion:	128	Resp:	163725
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/14/2019 10:39:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.235 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VX013014.D

Acq: 11 Oct 2019 14:23

Tgt Ion:	180	Resp:	48490
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.5	142.5
145	33.7	17.4	52.3

