

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013013.D
 Acq On : 11 Oct 2019 14:00
 Operator : JC/SP
 Sample : VX1011WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 10:39:30 AM

Quant Time: Oct 11 23:50:24 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	167336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	283751	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	114054	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	107317	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
35) Dibromofluoromethane	5.48	113	84873	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	8.71	98	325975	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.13	95	123285	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	33881	19.864	ug/l	97
3) Chloromethane	1.32	50	36206	19.504	ug/l	98
4) Vinyl Chloride	1.40	62	36700	19.154	ug/l	100
5) Bromomethane	1.63	94	19999	25.110	ug/l	98
6) Chloroethane	1.72	64	22923	19.810	ug/l	98
7) Trichlorofluoromethane	1.92	101	53638	20.741	ug/l	99
8) Diethyl Ether	2.18	74	20590	19.725	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	35418	21.162	ug/l	99
10) Methyl Iodide	2.50	142	30942	19.742	ug/l	100
11) Tert butyl alcohol	3.03	59	49684	89.612	ug/l	98
12) 1,1-Dichloroethene	2.36	96	32922	19.469	ug/l	97
13) Acrolein	2.28	56	28590	72.561	ug/l	97
14) Allyl chloride	2.72	41	58719	19.499	ug/l	99
15) Acrylonitrile	3.13	53	107564	102.374	ug/l	99
16) Acetone	2.43	43	94778	85.973	ug/l	99
17) Carbon Disulfide	2.56	76	83582	17.334	ug/l	99
18) Methyl Acetate	2.76	43	51306	19.635	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	122461	20.971	ug/l	98
20) Methylene Chloride	2.85	84	39267	19.381	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	37055	20.445	ug/l	98
22) Diisopropyl ether	3.84	45	123446	21.392	ug/l	93
23) Vinyl Acetate	3.80	43	511443	102.668	ug/l	98
24) 1,1-Dichloroethane	3.69	63	68472	21.092	ug/l	100
25) 2-Butanone	4.66	43	147370	96.354	ug/l	100
26) 2,2-Dichloropropane	4.58	77	52690	19.301	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	41787	20.002	ug/l	98
28) Bromochloromethane	5.00	49	20715	21.093	ug/l	99
29) Tetrahydrofuran	5.11	42	93980	99.854	ug/l	98
30) Chloroform	5.20	83	68904	20.685	ug/l	99
31) Cyclohexane	5.58	56	61632	20.303	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	58529	20.737	ug/l	99
36) 1,1-Dichloropropene	5.79	75	50552	20.263	ug/l	98
37) Ethyl Acetate	4.82	43	54503	19.538	ug/l	99
38) Carbon Tetrachloride	5.77	117	48841	20.114	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	61179	20.221	ug/l	98
40) Benzene	6.14	78	154057	20.908	ug/l	96
41) Methacrylonitrile	5.03	41	30587	19.954	ug/l	98
42) 1,2-Dichloroethane	6.19	62	55759	21.089	ug/l	99
43) Isopropyl Acetate	6.43	43	90051	20.112	ug/l	99
44) Trichloroethene	7.21	130	40172	19.661	ug/l	94
45) 1,2-Dichloropropane	7.51	63	39439	21.001	ug/l	98
46) Dibromomethane	7.65	93	26060	20.828	ug/l	100
47) Bromodichloromethane	7.89	83	50438	20.657	ug/l	98
48) Methyl methacrylate	7.76	41	43669	20.014	ug/l	100
49) 1,4-Dioxane	7.73	88	20451	372.107	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	284764	102.009	ug/l	100
52) Toluene	8.78	92	98273	20.847	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	52760	18.732	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	59752	19.897	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	40390	21.651	ug/l	99
56) Ethyl methacrylate	9.17	69	61332	19.519	ug/l	99
57) 1,3-Dichloropropane	9.37	76	66873	20.723	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	137829	100.573	ug/l	100
59) 2-Hexanone	9.48	43	213729	98.354	ug/l	100
60) Dibromochloromethane	9.58	129	37190	19.106	ug/l	98
61) 1,2-Dibromoethane	9.67	107	41066	20.926	ug/l	98
64) Tetrachloroethene	9.33	164	37960	21.564	ug/l	95
65) Chlorobenzene	10.14	112	102156	20.269	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	35869	20.526	ug/l	99
67) Ethyl Benzene	10.25	91	185506	20.721	ug/l	99
68) m/p-Xylenes	10.36	106	139666	41.759	ug/l	96
69) o-Xylene	10.70	106	67543	20.709	ug/l	99
70) Styrene	10.71	104	114496	20.650	ug/l	99
71) Bromoform	10.85	173	24040	18.269	ug/l #	99
73) Isopropylbenzene	11.01	105	183018	21.826	ug/l	98
74) N-amyl acetate	10.89	43	75042	20.779	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	56853	20.385	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	57080m	22.564	ug/l	
77) Bromobenzene	11.25	156	42358	21.436	ug/l	98
78) n-propylbenzene	11.35	91	199735	21.646	ug/l	99
79) 2-Chlorotoluene	11.42	91	126100	21.745	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	154184	22.020	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	15632	18.676	ug/l	93
82) 4-Chlorotoluene	11.51	91	141574	21.300	ug/l	100
83) tert-Butylbenzene	11.76	119	147762	21.633	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	152154	21.456	ug/l	99
85) sec-Butylbenzene	11.94	105	173431	21.917	ug/l	99
86) p-Isopropyltoluene	12.06	119	156761	21.360	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	75909	20.687	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	75210	20.238	ug/l	99
89) n-Butylbenzene	12.39	91	129198	20.946	ug/l	98
90) Hexachloroethane	12.59	117	24619	19.463	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	75688	21.040	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	13131	20.087	ug/l	95

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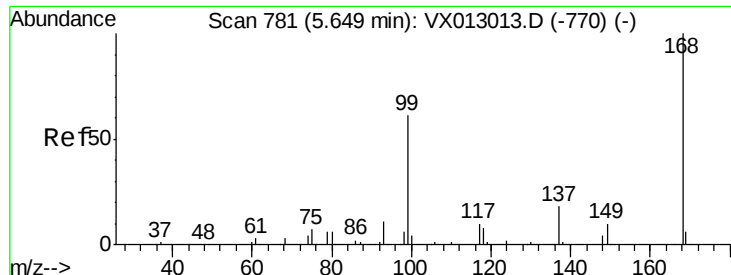
Manual Integrations
APPROVED

MMDadoda
10/14/2019 10:39:30 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	44883	19.917	ug/l	98
94) Hexachlorobutadiene	13.78	225	21092	20.281	ug/l	98
95) Naphthalene	13.83	128	154937	19.834	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	45593	19.578	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion:168 Resp: 167336

Ion Ratio Lower Upper

168 100

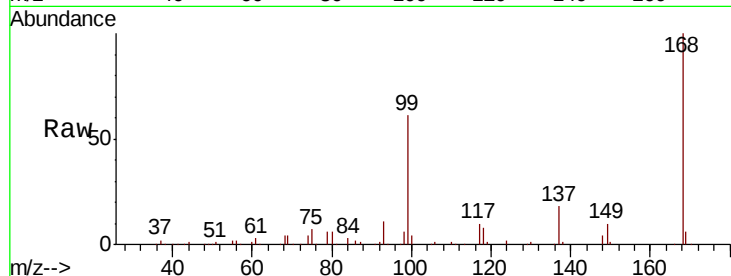
99 60.7 49.4 74.0

Manual Integrations

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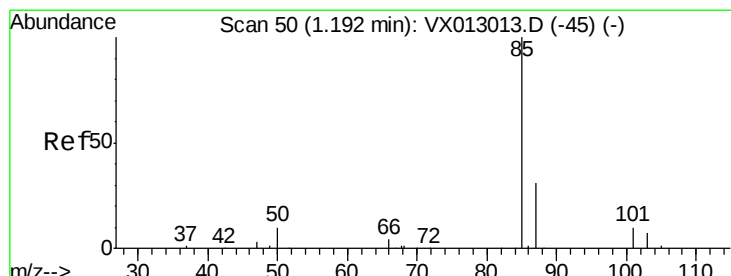
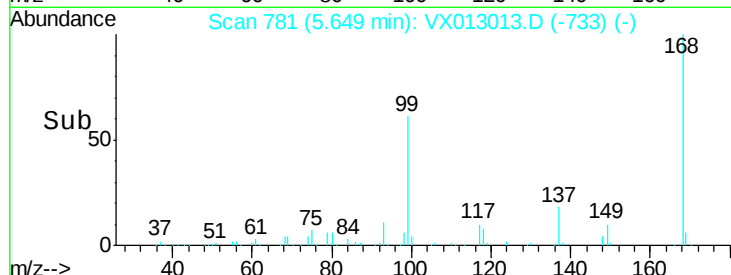
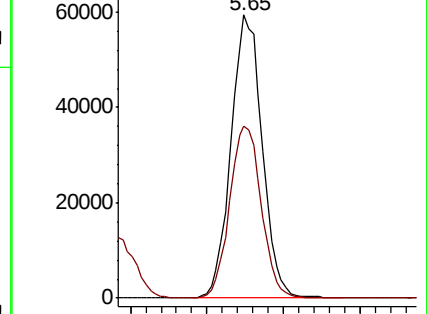
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.864 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX013013.D

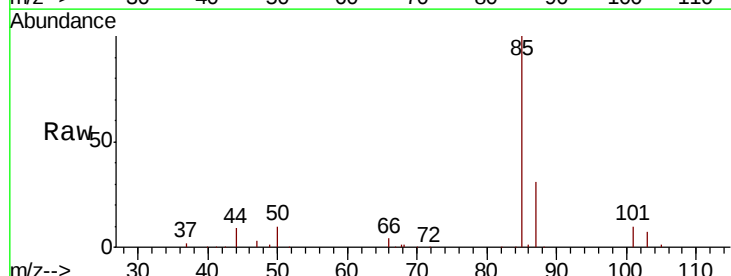
Acq: 11 Oct 2019 14:00

Tgt Ion: 85 Resp: 33881

Ion Ratio Lower Upper

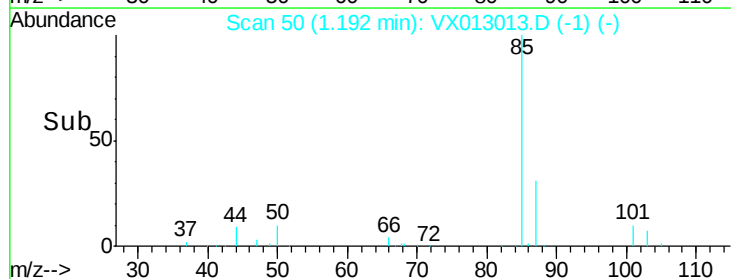
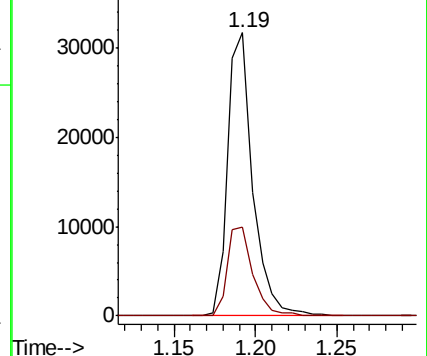
85 100

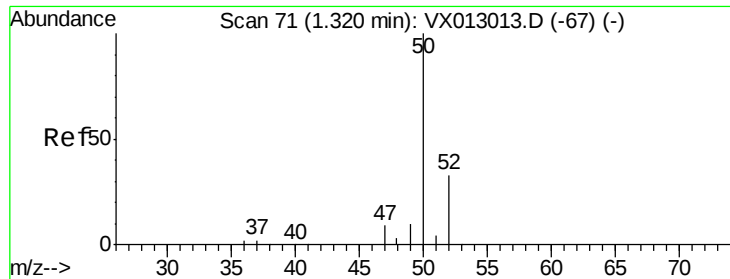
87 31.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.504 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion: 50 Resp: 36206

Ion Ratio Lower Upper

50 100

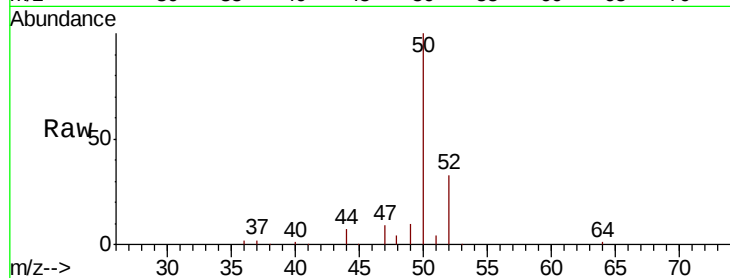
52 32.8 25.2 37.8

Manual Integrations

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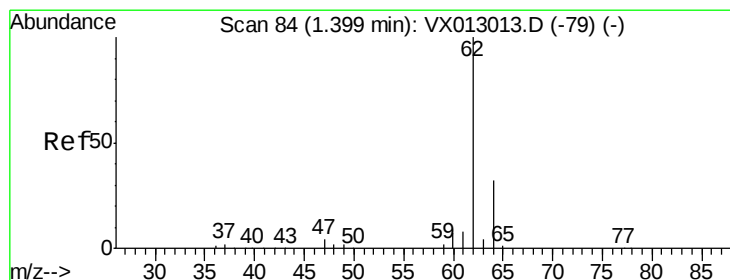
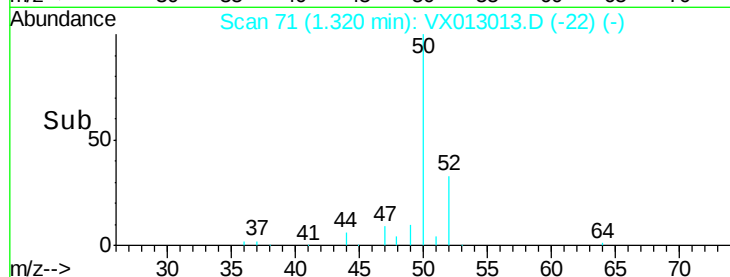
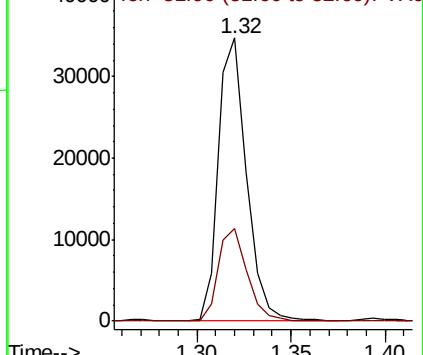
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.154 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013013.D

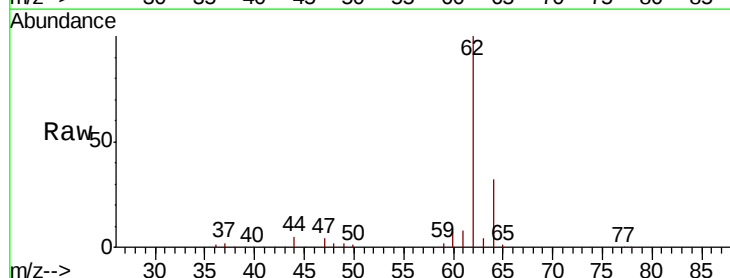
Acq: 11 Oct 2019 14:00

Tgt Ion: 62 Resp: 36700

Ion Ratio Lower Upper

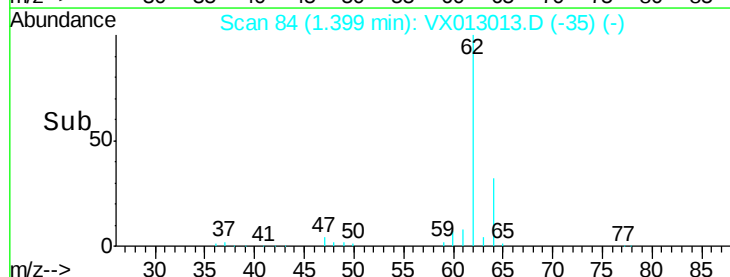
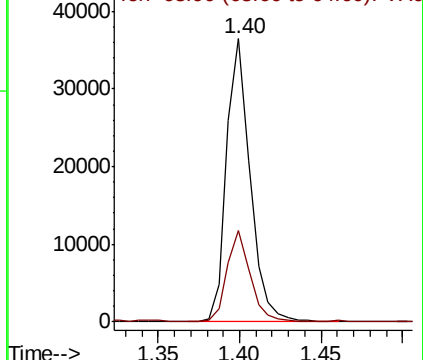
62 100

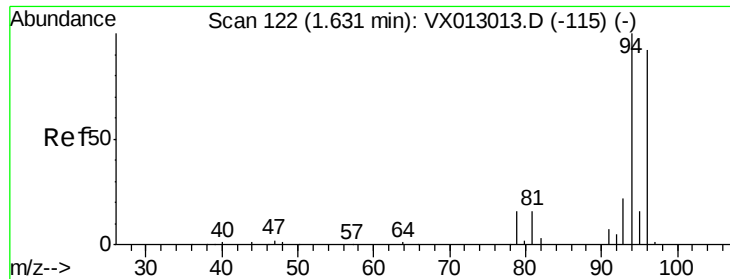
64 31.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 25.110 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion: 94 Resp: 19999

Ion Ratio Lower Upper

94 100

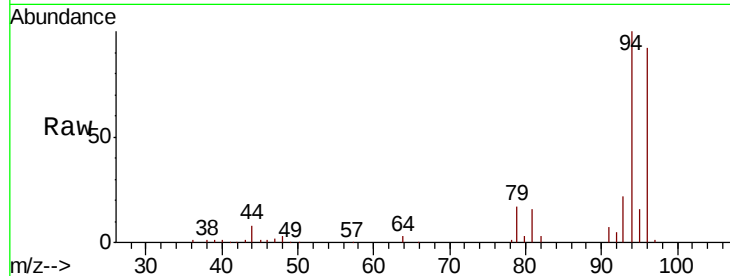
96 91.5 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

20000

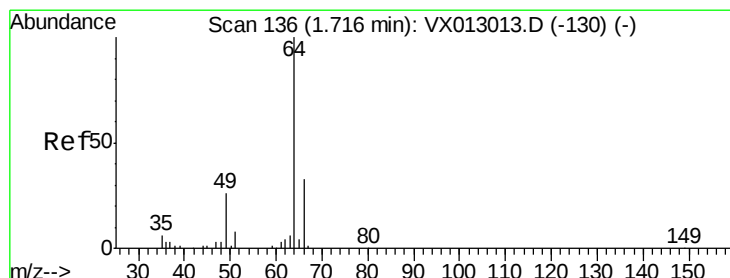
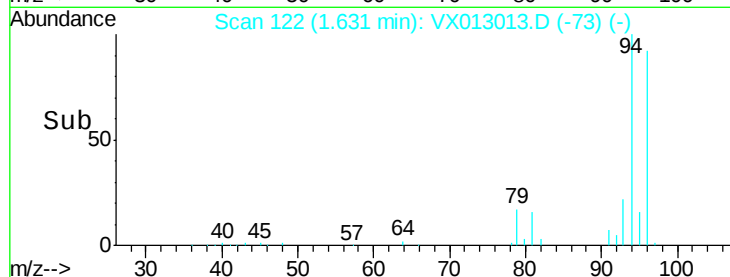
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.810 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX013013.D

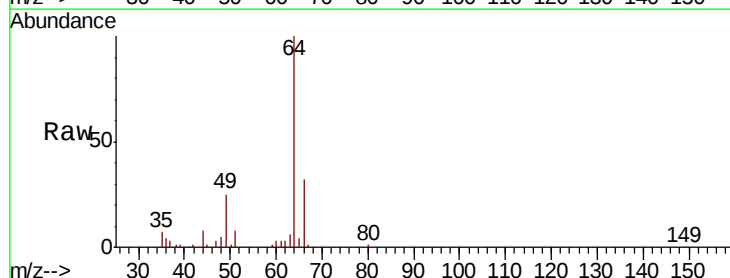
Acq: 11 Oct 2019 14:00

Tgt Ion: 64 Resp: 22923

Ion Ratio Lower Upper

64 100

66 33.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

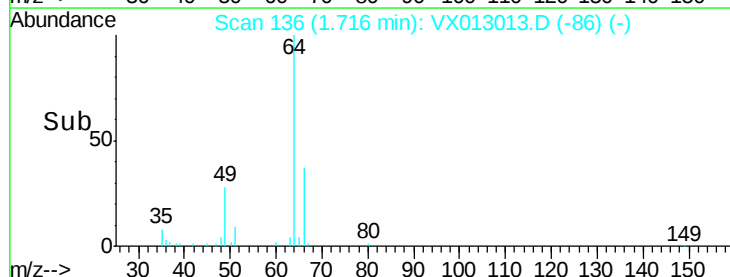
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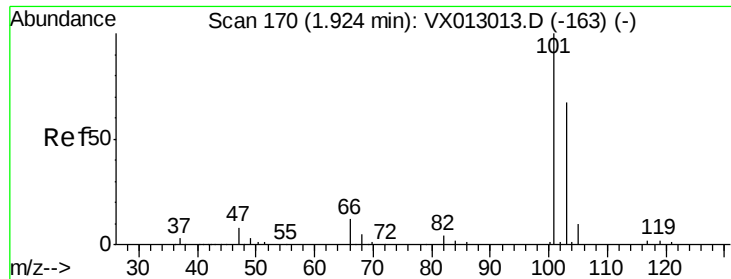
10000

5000

0

Time-->





#7

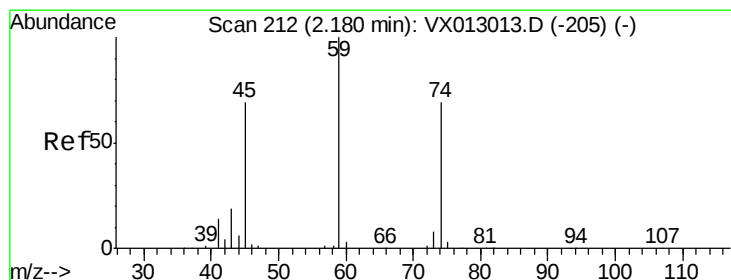
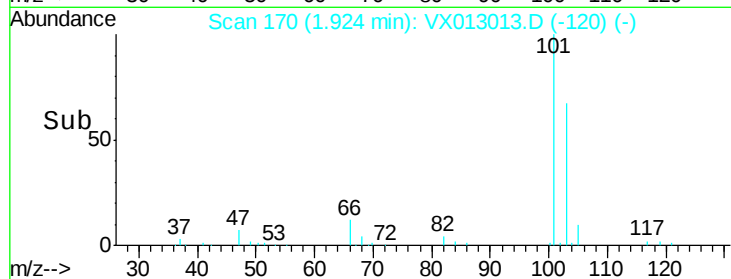
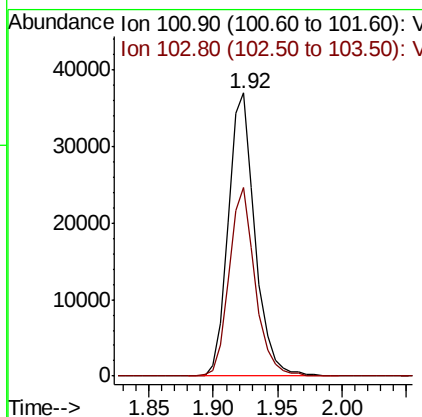
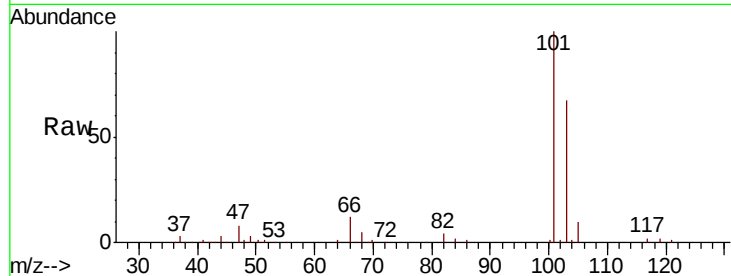
Trichlorofluoromethane
Concen: 20.741 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
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VX1011WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.5	78.7

Manual Integrations
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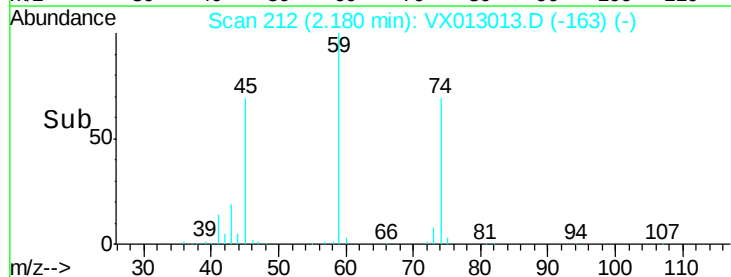
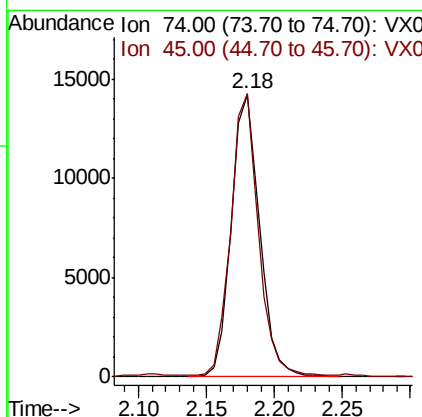
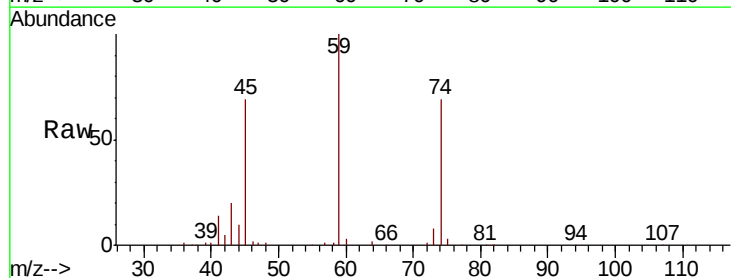
MMDadoda
10/14/2019 10:39:30 AM

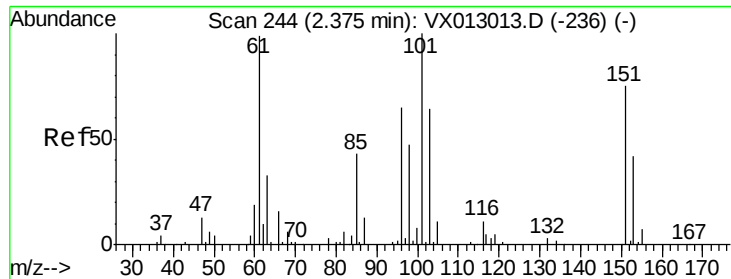


#8

Diethyl Ether
Concen: 19.725 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	47.8	143.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.162 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

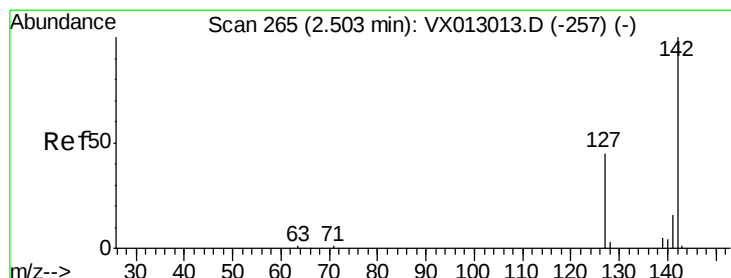
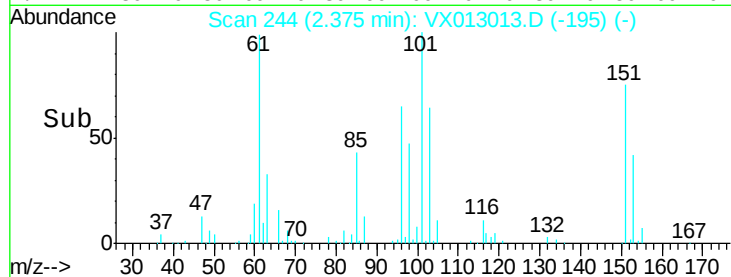
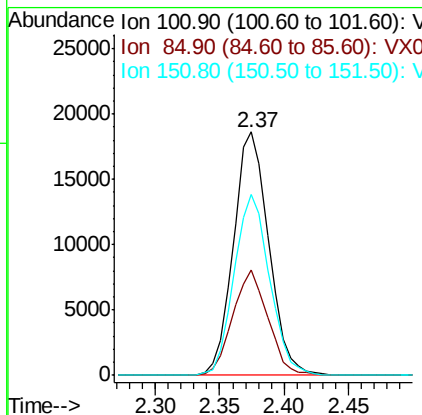
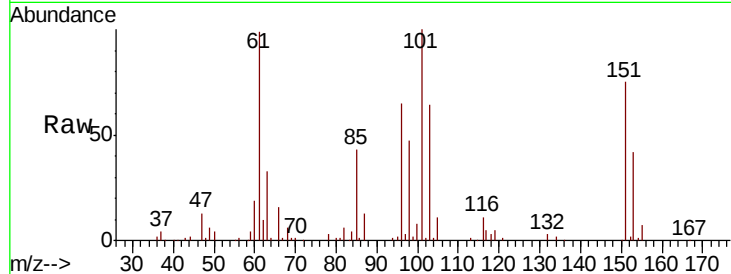
ClientSampleId :

VX1011WBS01

Tot Ion:	101	Resp:	35418
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.2	52.8
151	74.8	60.3	90.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.742 ug/l

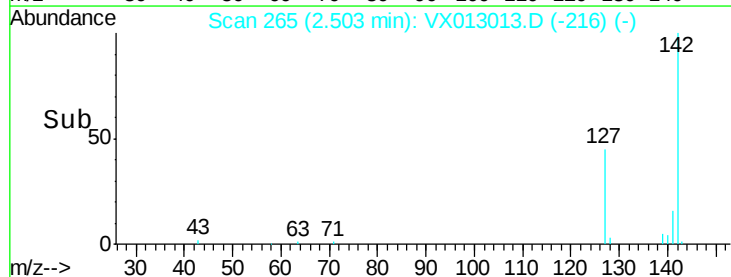
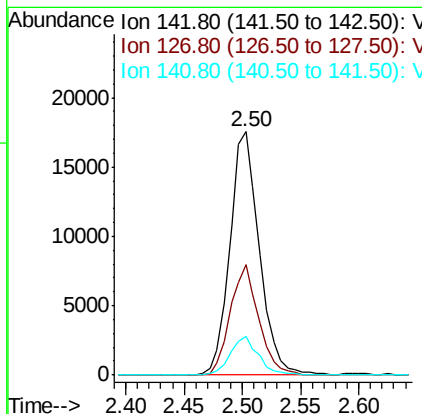
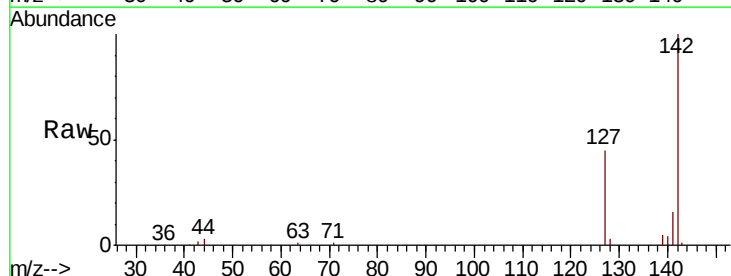
RT: 2.50 min Scan# 265

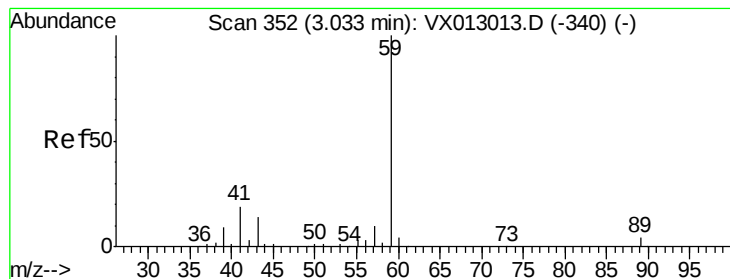
Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Tgt Ion:	142	Resp:	30942
Ion Ratio	Lower	Upper	
142	100		
127	43.7	34.9	52.3
141	14.9	11.6	17.4





#11

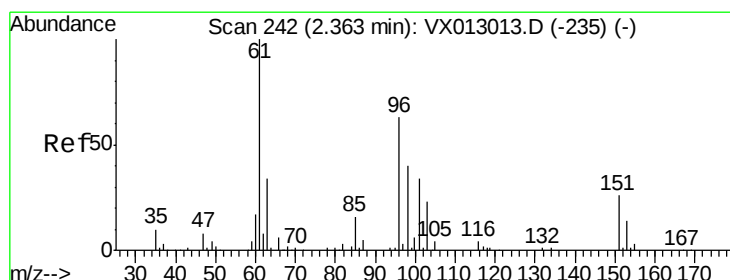
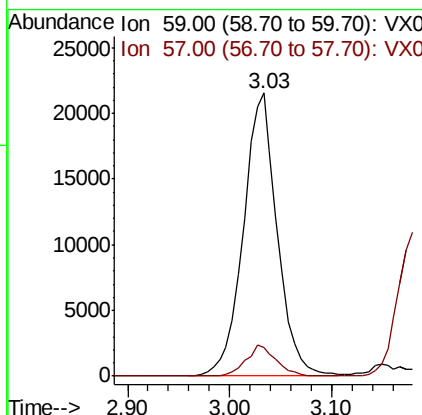
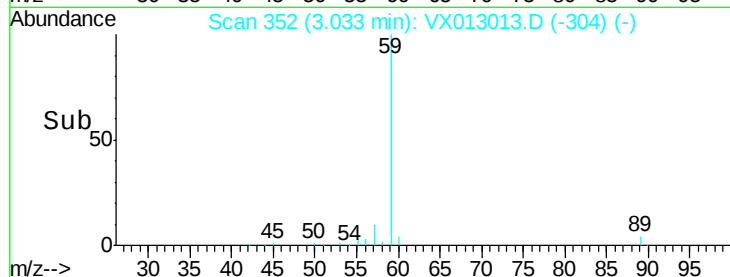
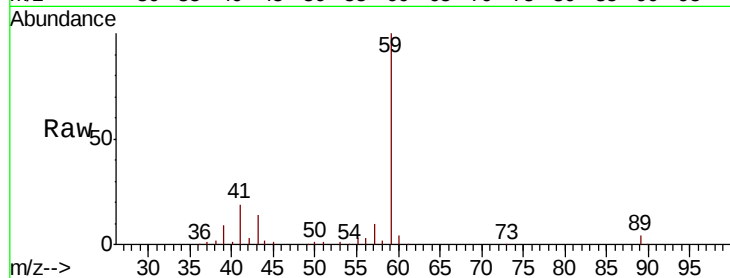
Tert butyl alcohol
 Concen: 89.612 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	49684		
57	57	9.7		8.3	12.5

Manual Integrations
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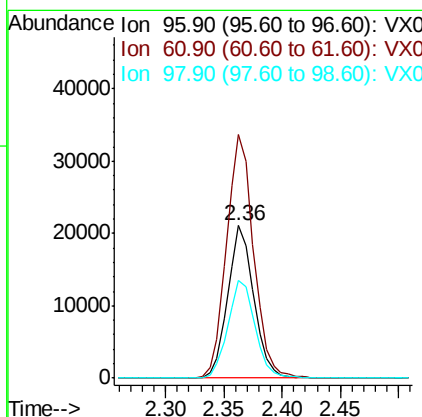
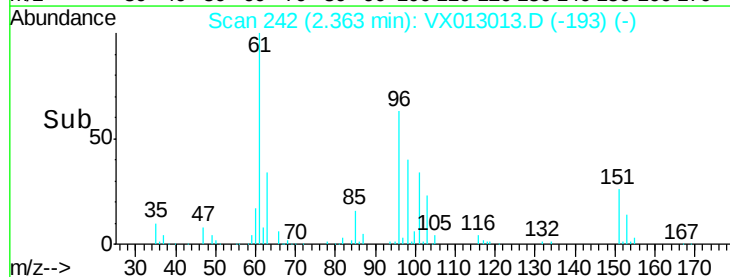
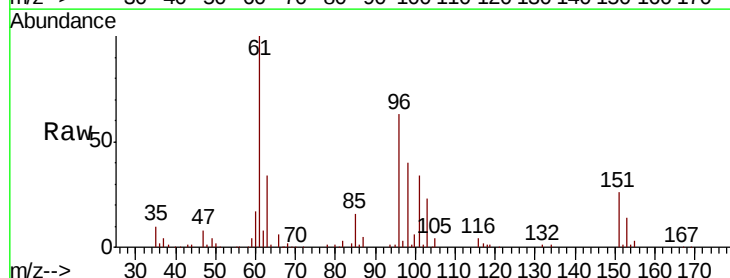
MMDadoda
 10/14/2019 10:39:30 AM

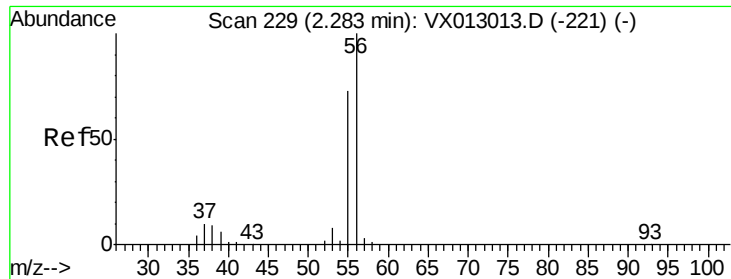


#12

1,1-Dichloroethene
 Concen: 19.469 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	32922		
61	61	159.5		132.2	198.4
98	98	63.8		50.5	75.7





#13

Acrolein

Concen: 72.561 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion: 56 Resp: 28590

Ion Ratio Lower Upper

56 100

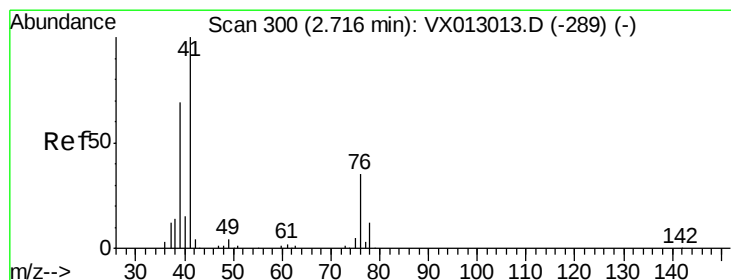
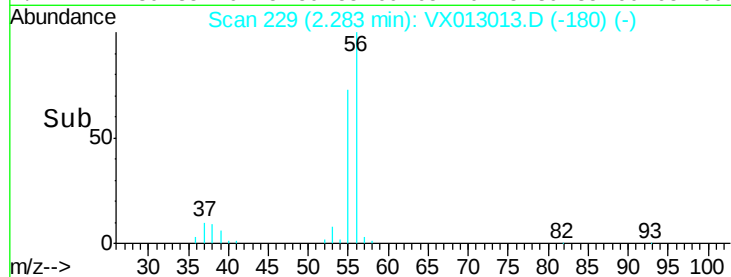
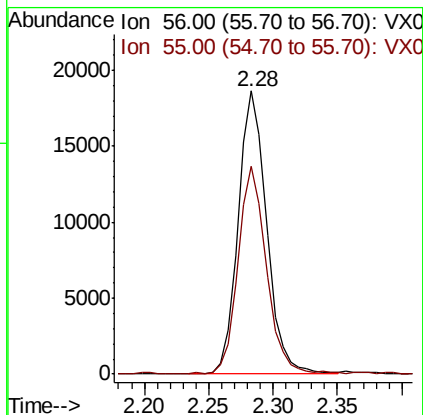
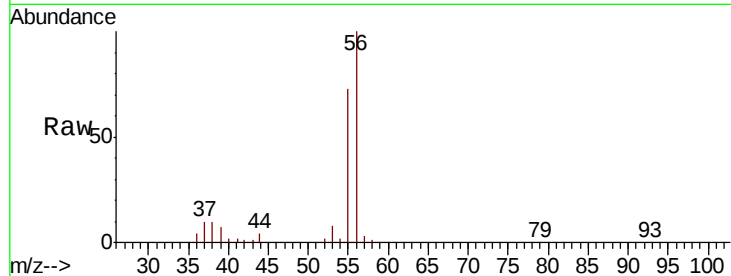
55 73.3 56.6 85.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.499 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

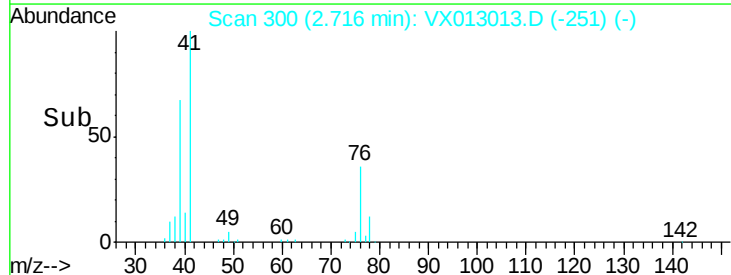
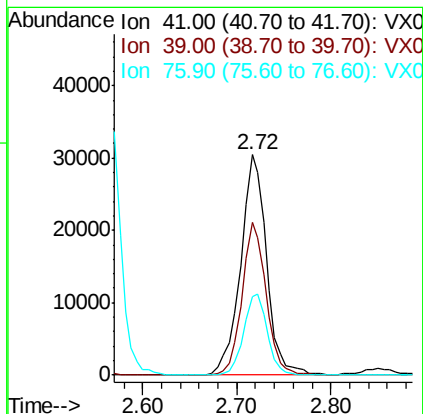
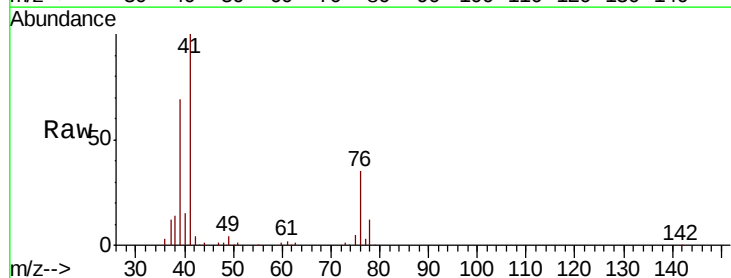
Tgt Ion: 41 Resp: 58719

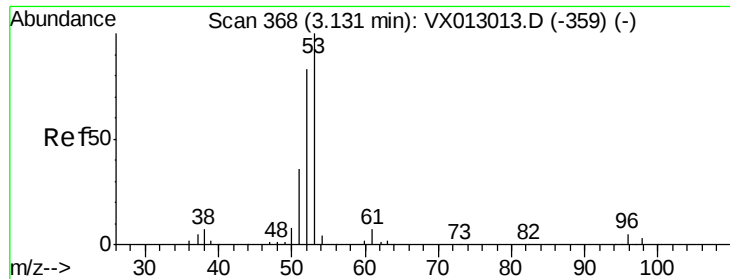
Ion Ratio Lower Upper

41 100

39 64.2 51.0 76.6

76 33.6 26.2 39.4





#15

Acrylonitrile

Concen: 102.374 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

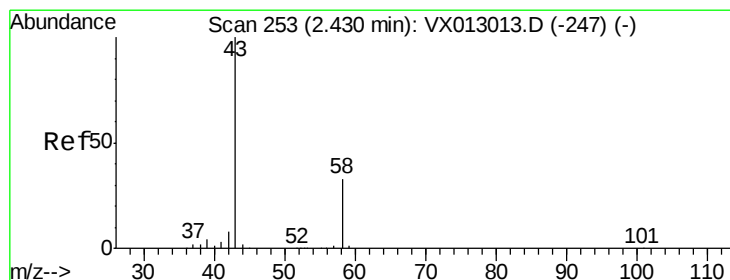
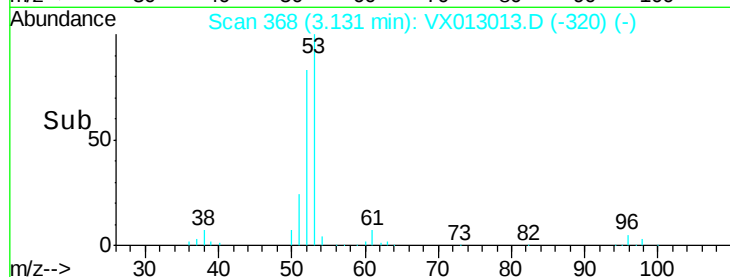
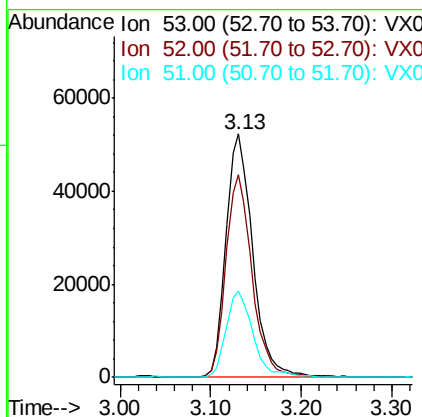
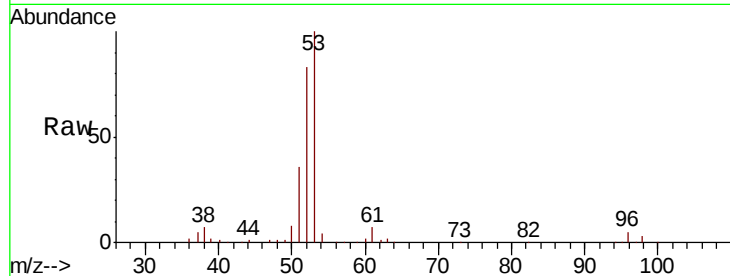
ClientSampleId :

VX1011WBS01

Tot Ion:	53	Resp:	107564
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.2	99.2
51	35.9	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 85.973 ug/l

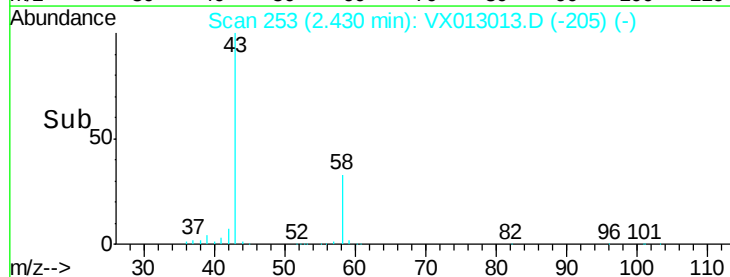
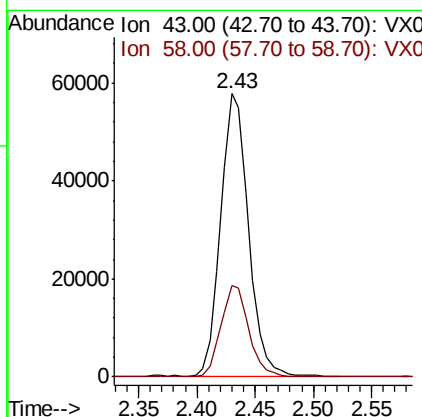
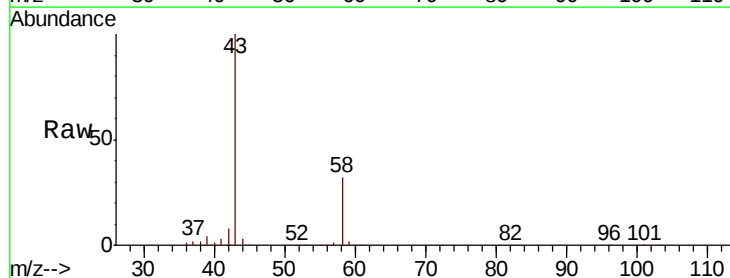
RT: 2.43 min Scan# 253

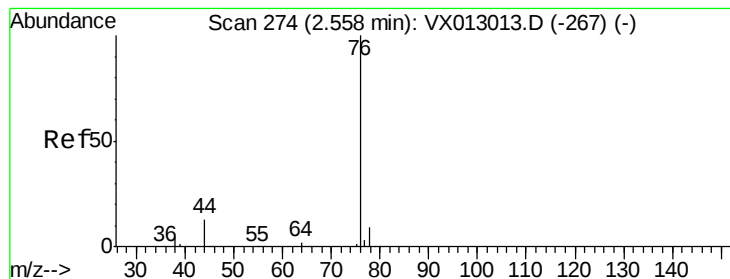
Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Tgt Ion:	43	Resp:	94778
Ion Ratio	Lower	Upper	
43	100		
58	32.5	25.4	38.2





#17

Carbon Disulfide

Concen: 17.334 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion: 76 Resp: 83582

Ion Ratio Lower Upper

76 100

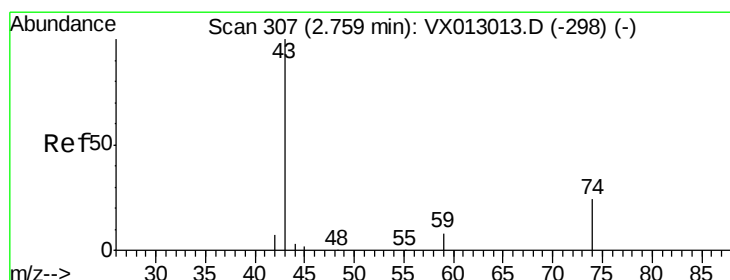
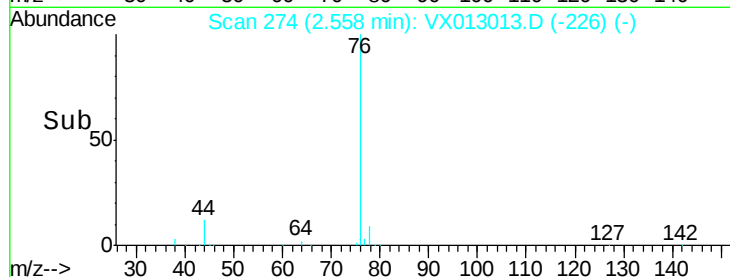
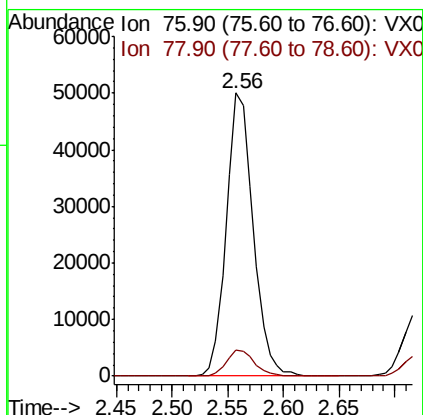
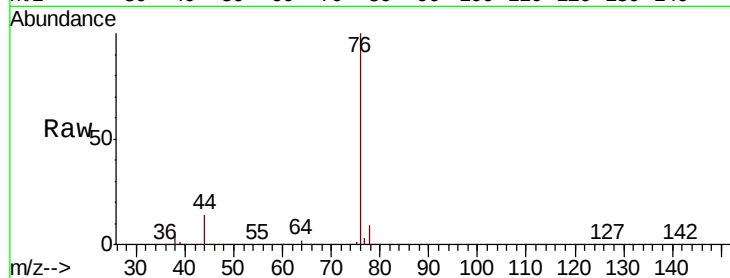
78 9.3 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 19.635 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX013013.D

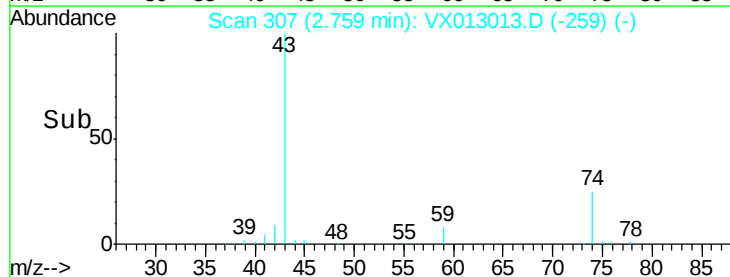
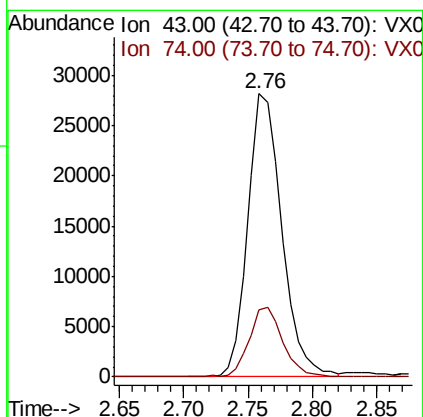
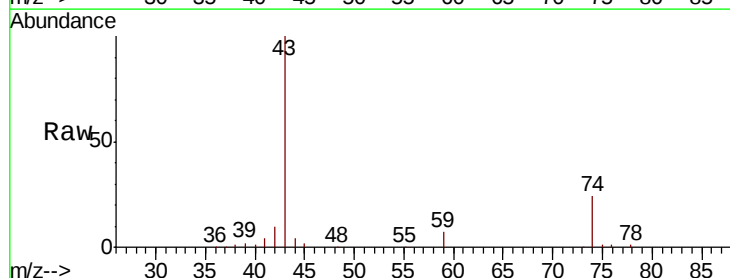
Acq: 11 Oct 2019 14:00

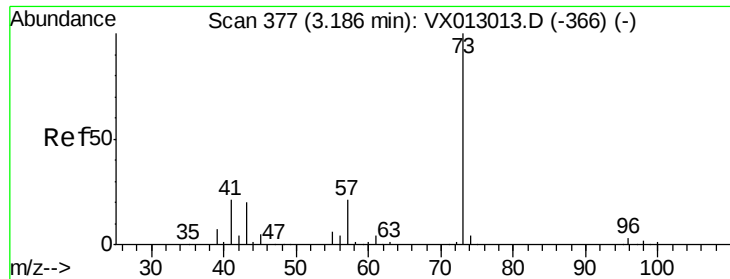
Tgt Ion: 43 Resp: 51306

Ion Ratio Lower Upper

43 100

74 24.4 19.2 28.8





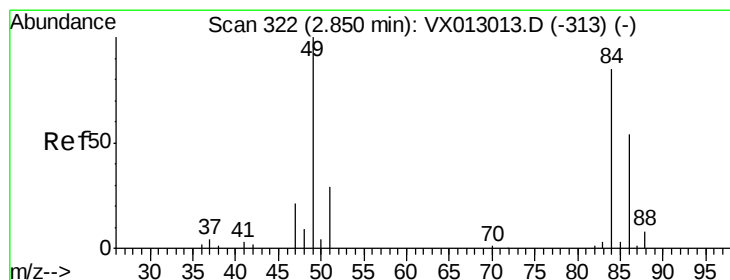
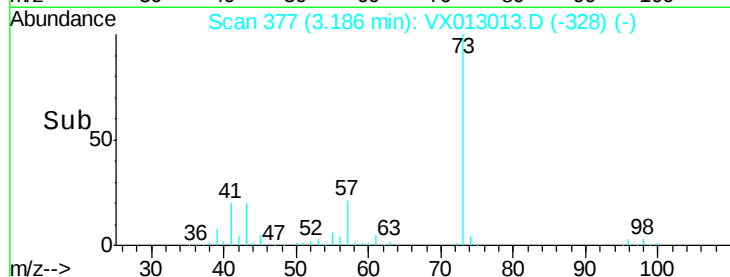
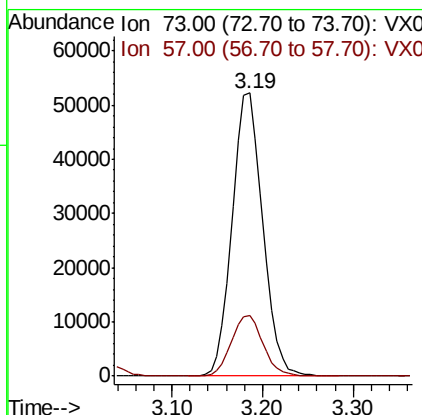
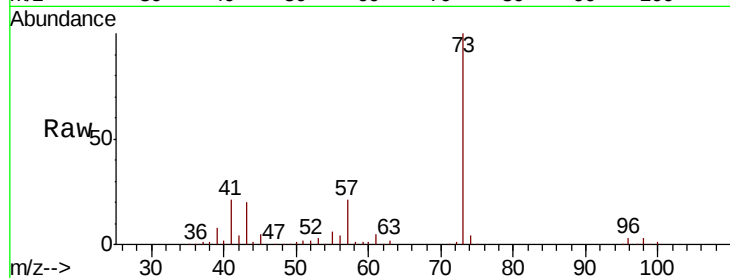
#19
Methyl tert-butyl Ether
Concen: 20.971 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.8	26.6

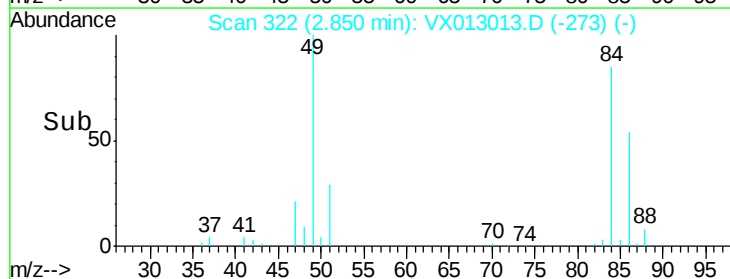
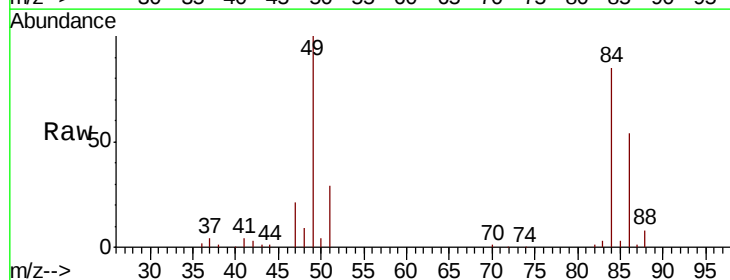
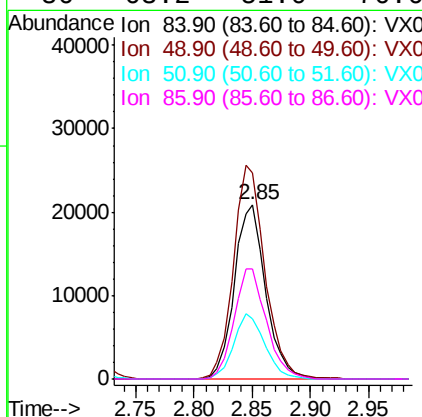
Manual Integrations
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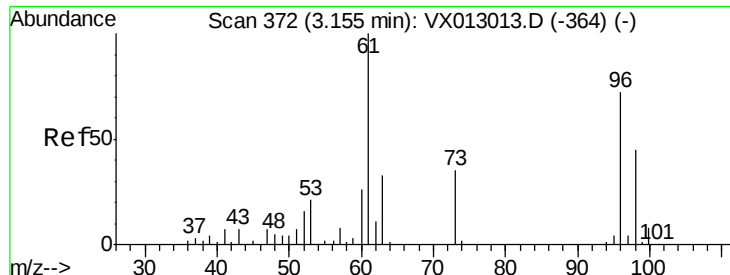
MMDadoda
10/14/2019 10:39:30 AM



#20
Methylene Chloride
Concen: 19.381 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.9	96.6	144.8
51	34.2	30.7	46.1
86	63.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 20.445 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion: 96 Resp: 37055

Ion Ratio Lower Upper

96 100

61 139.9 110.4 165.6

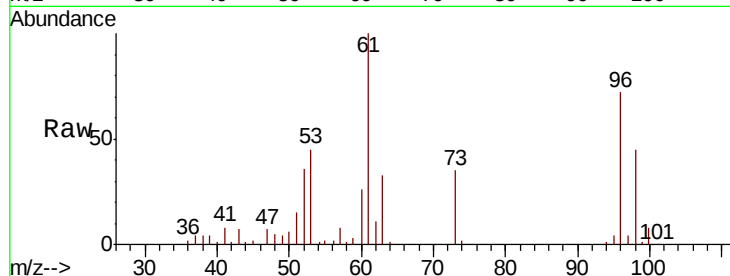
98 62.4 51.5 77.3

Manual Integrations

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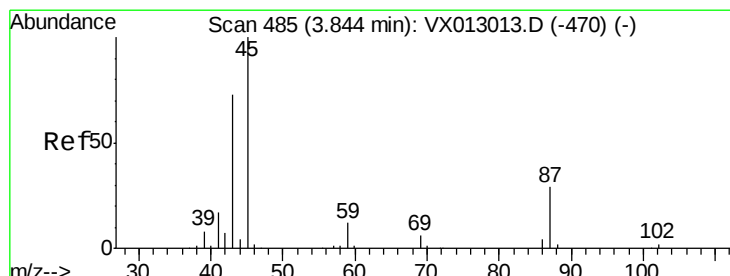
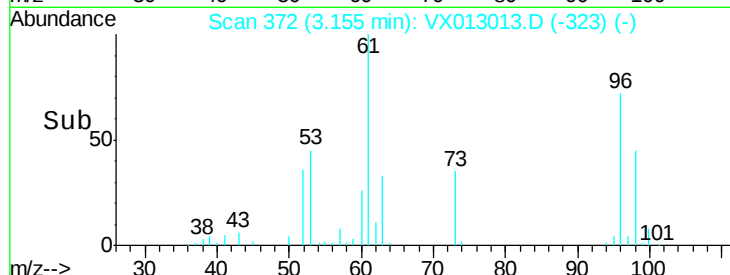
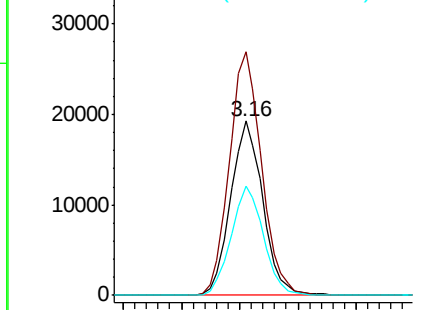
10/14/2019 10:39:30 AM



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



#22

Diisopropyl ether

Concen: 21.392 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Tgt Ion: 45 Resp: 123446

Ion Ratio Lower Upper

45 100

43 73.1 51.4 77.0

87 28.8 22.5 33.7

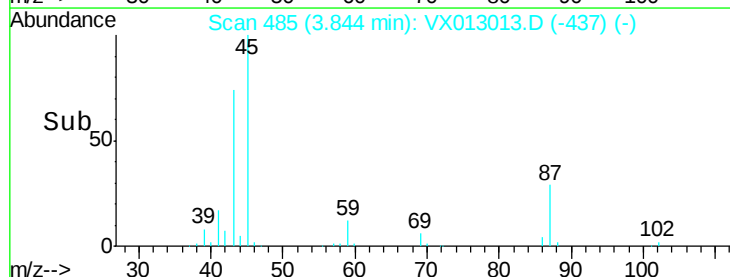
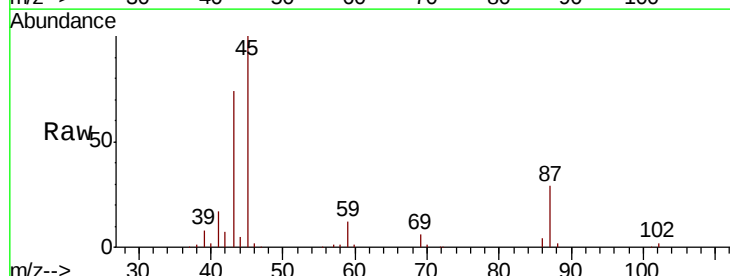
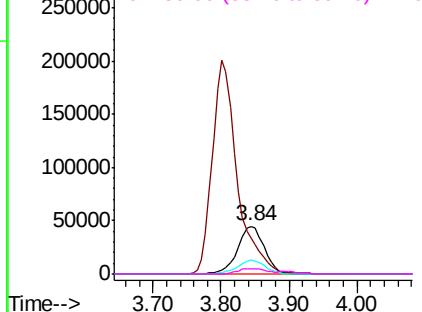
59 12.0 9.7 14.5

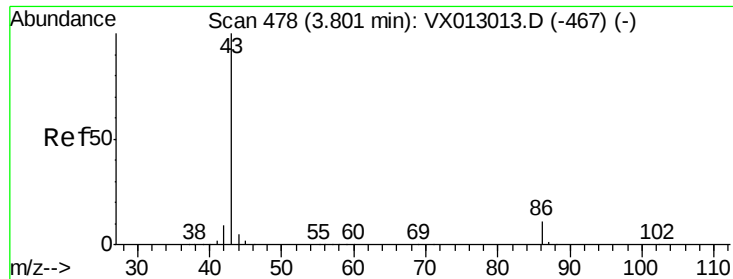
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 102.668 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion: 43 Resp: 511443

Ion Ratio Lower Upper

43 100

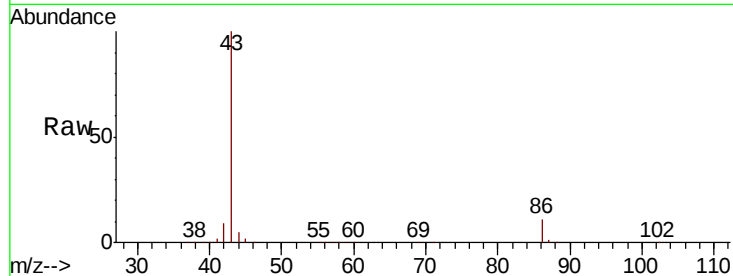
86 10.7 9.0 13.6

Manual Integrations

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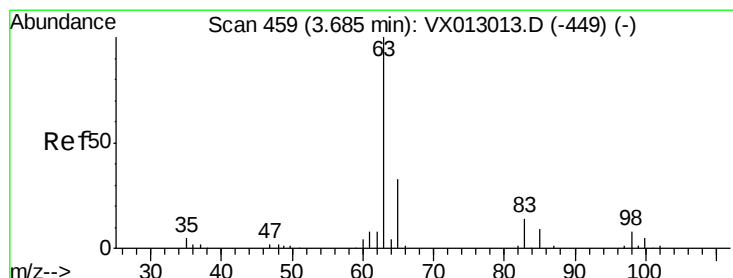
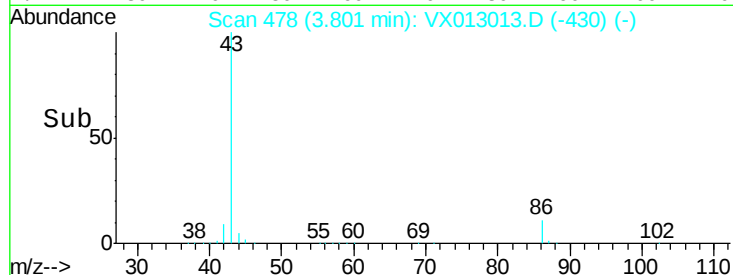
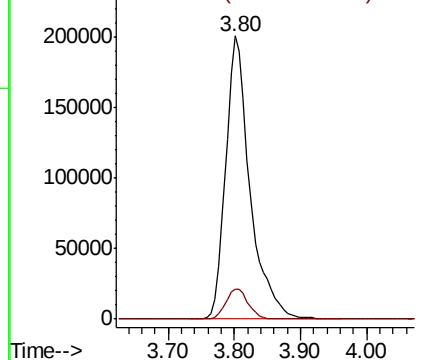
MMDadoda

10/14/2019 10:39:30 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: 21.092 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

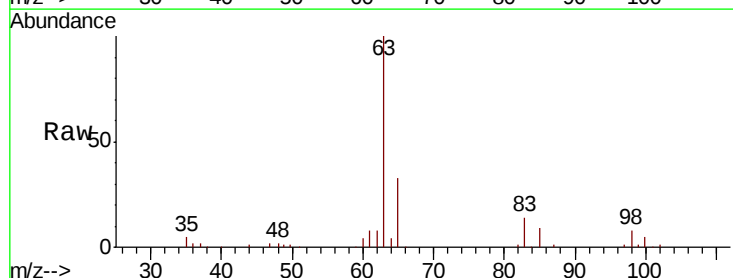
Tgt Ion: 63 Resp: 68472

Ion Ratio Lower Upper

63 100

98 7.8 3.9 11.5

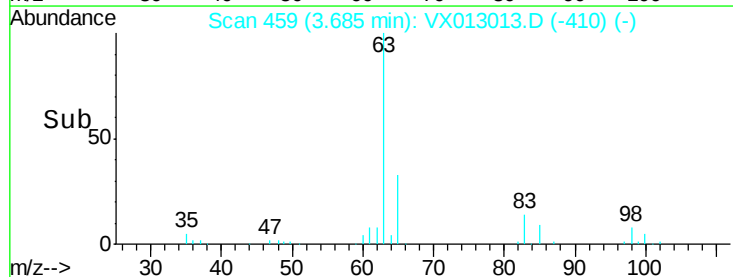
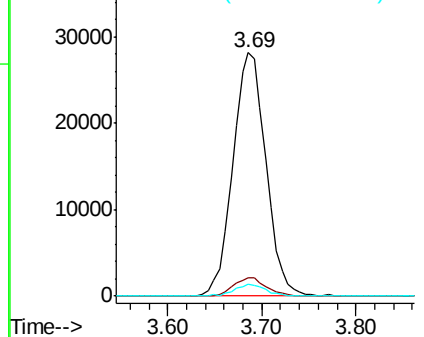
100 4.7 2.3 6.9

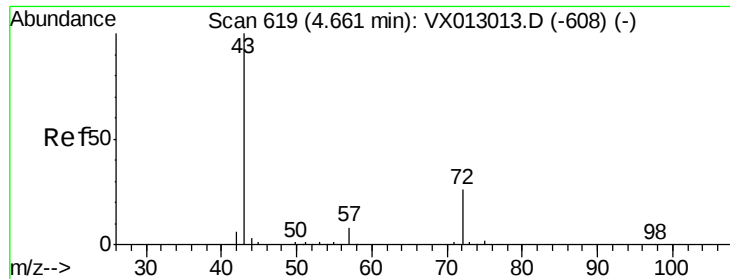


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.354 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion: 43 Resp: 147370

Ion Ratio Lower Upper

43 100

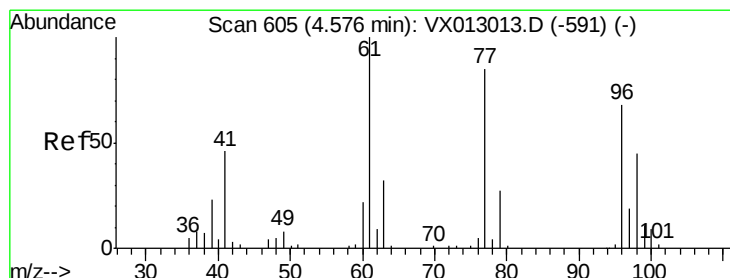
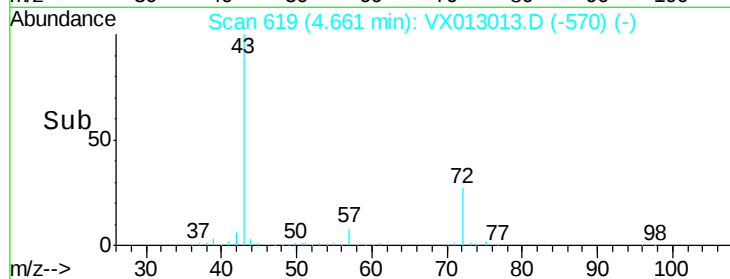
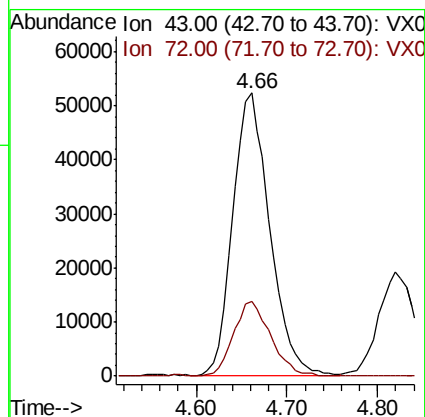
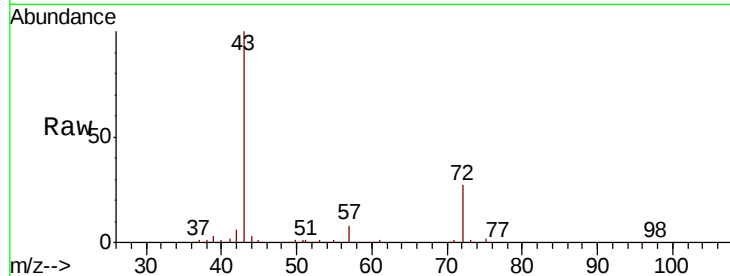
72 26.4 21.0 31.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.301 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX013013.D

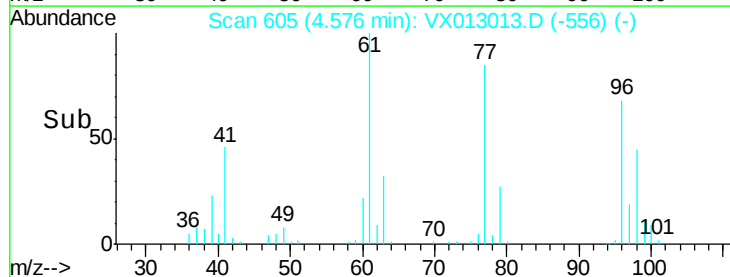
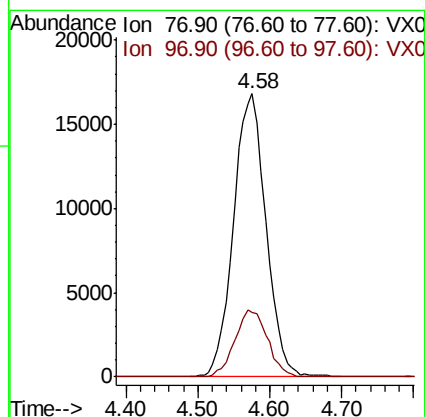
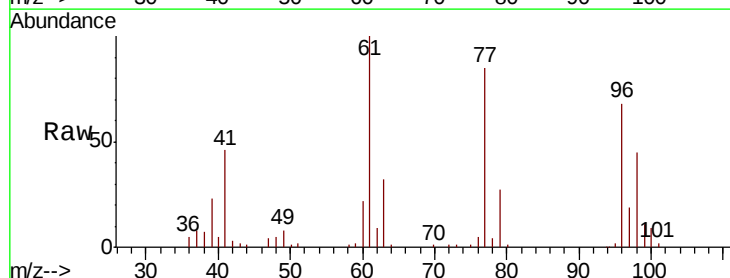
Acq: 11 Oct 2019 14:00

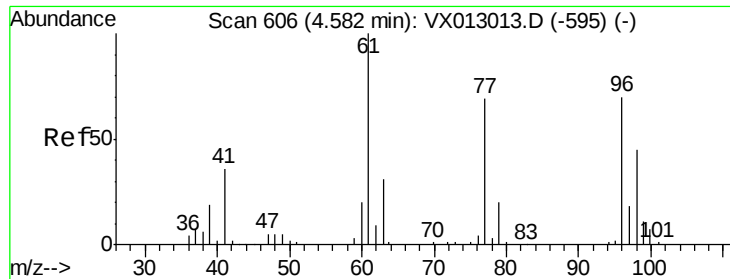
Tgt Ion: 77 Resp: 52690

Ion Ratio Lower Upper

77 100

97 23.7 11.3 33.9





#27

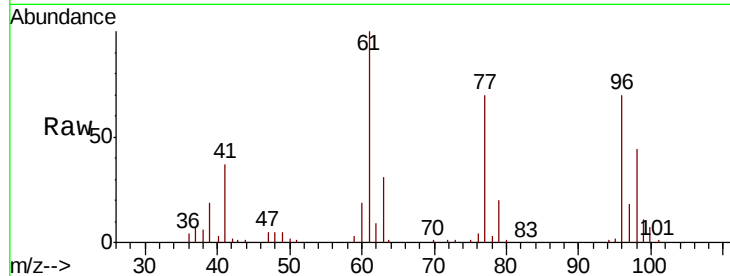
cis-1,2-Dichloroethene
Concen: 20.002 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	290.6
98	65.9	0.0	128.8

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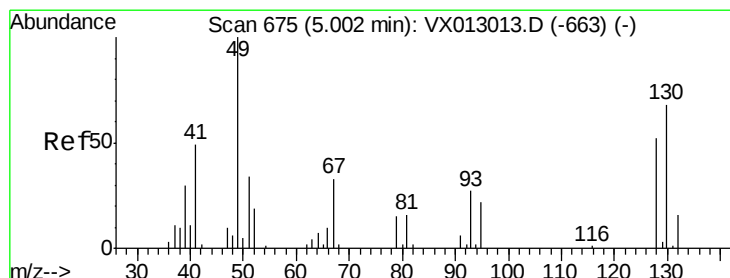
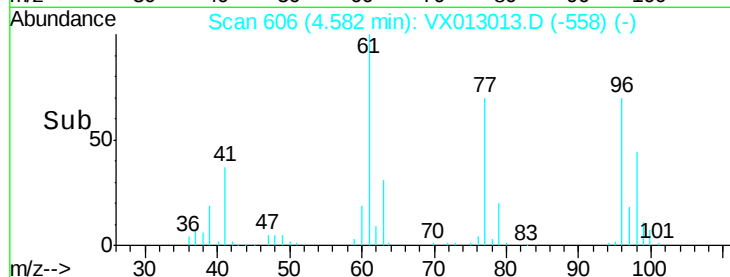
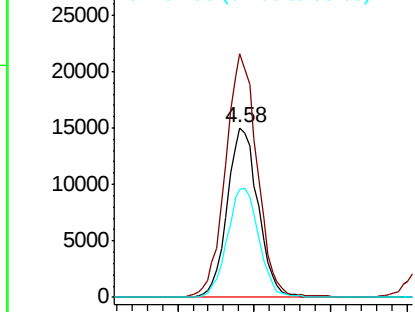


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

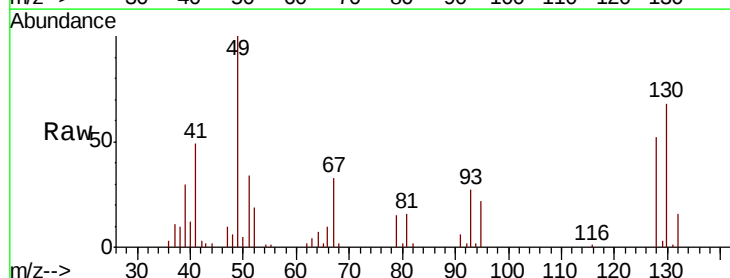
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 21.093 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.2
130	78.1	62.1	93.1

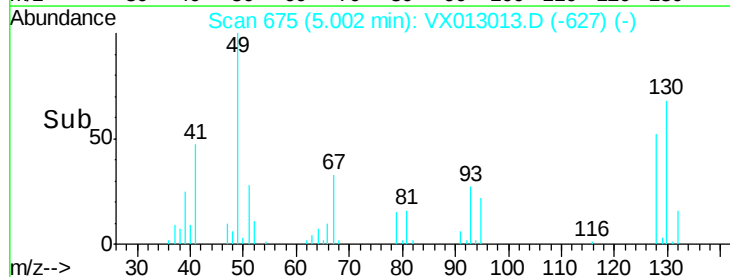
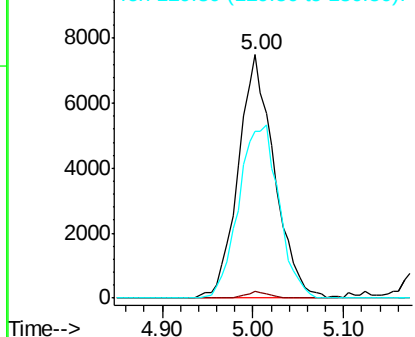


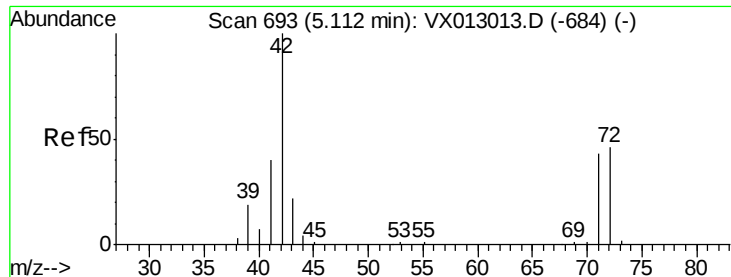
Abundance

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: 99.854 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

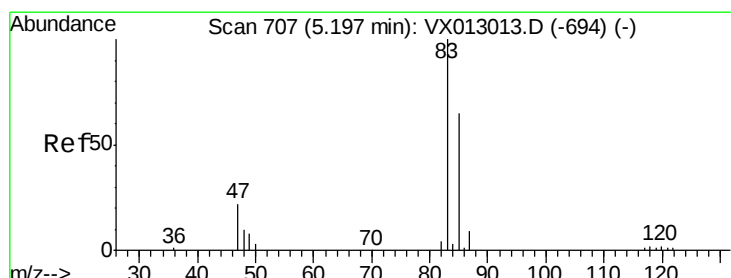
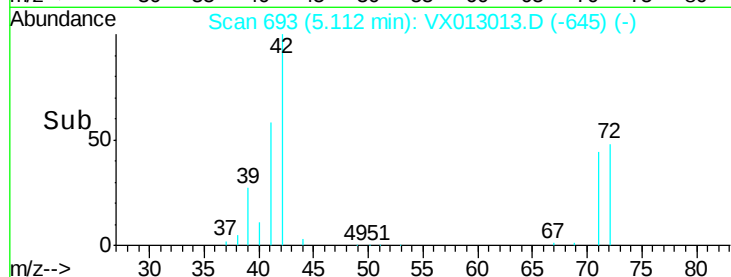
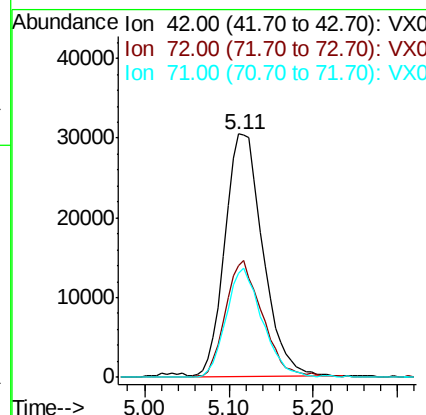
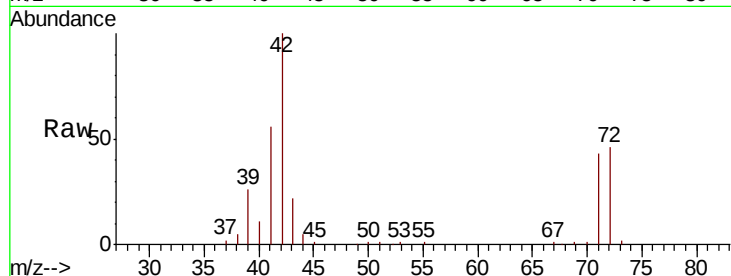
ClientSampleId :

VX1011WBS01

Tot Ion:	42	Resp:	93980
Ion	Ratio	Lower	Upper
42	100		
72	47.0	36.9	55.3
71	43.0	33.5	50.3

Manual Integrations
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#30

Chloroform

Concen: 20.685 ug/l

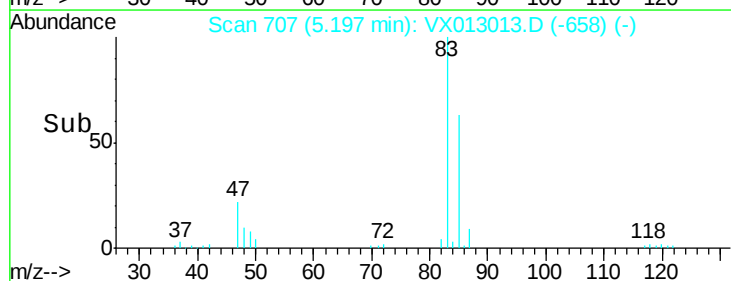
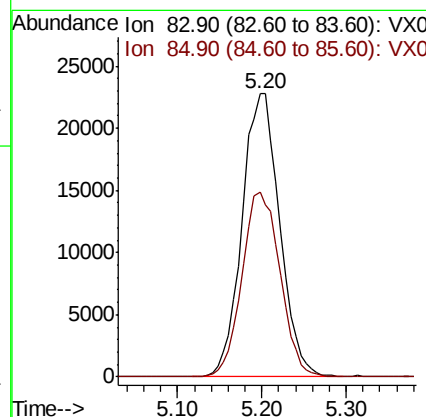
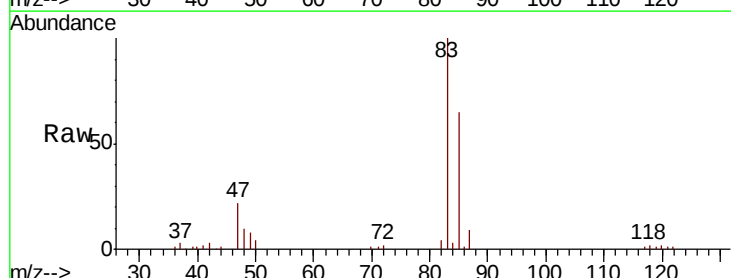
RT: 5.20 min Scan# 707

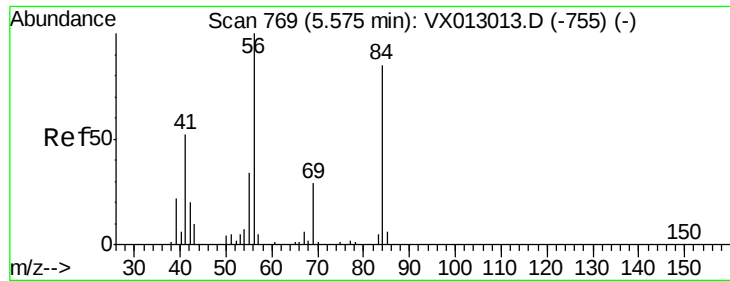
Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Tgt Ion:	83	Resp:	68904
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3





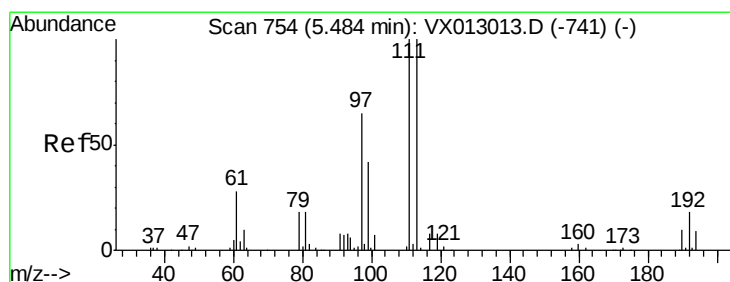
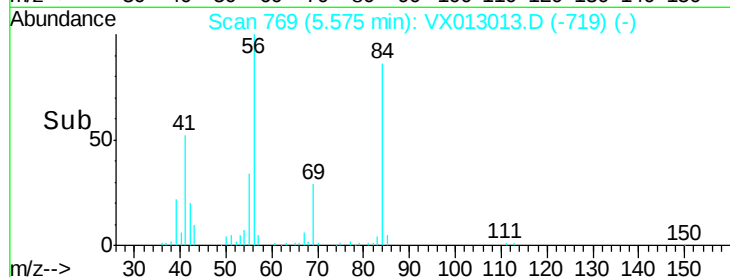
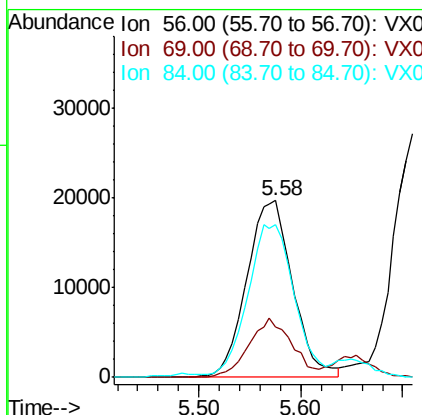
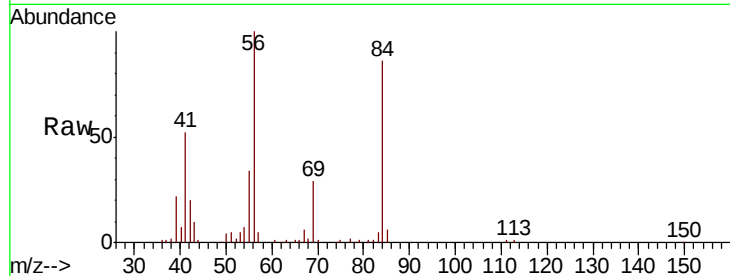
#31
Cyclohexane
Concen: 20.303 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	25.2	37.8
84	85.0	71.3	106.9

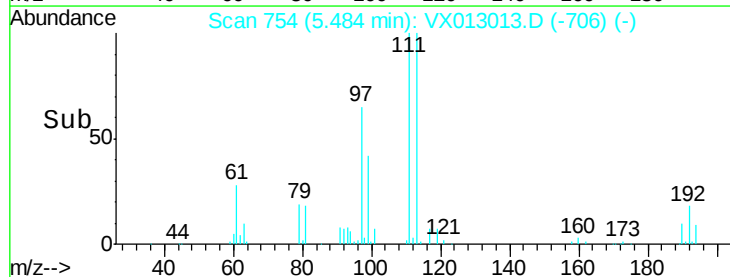
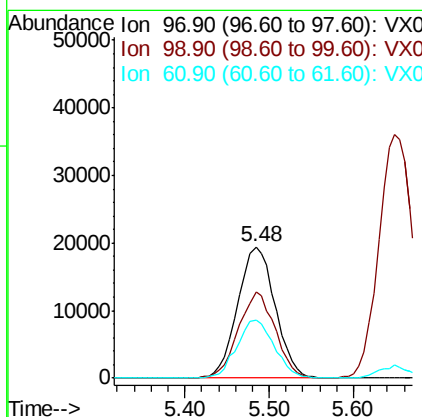
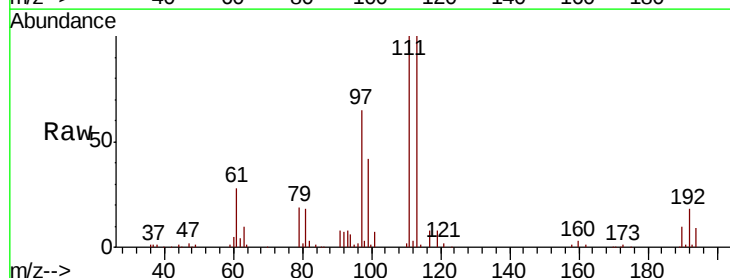
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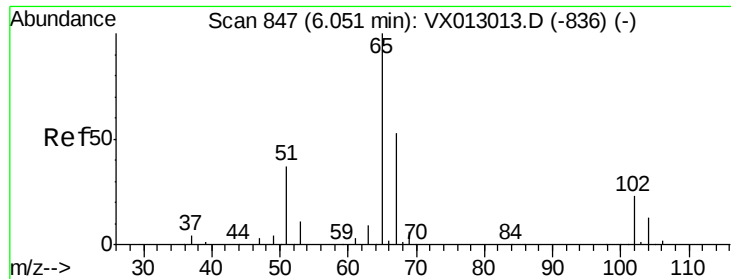
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.737 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.3	78.5
61	44.0	35.0	52.4





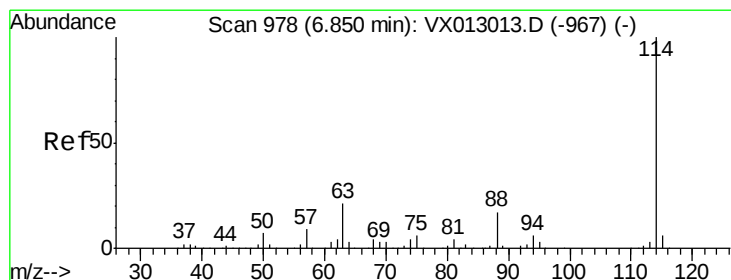
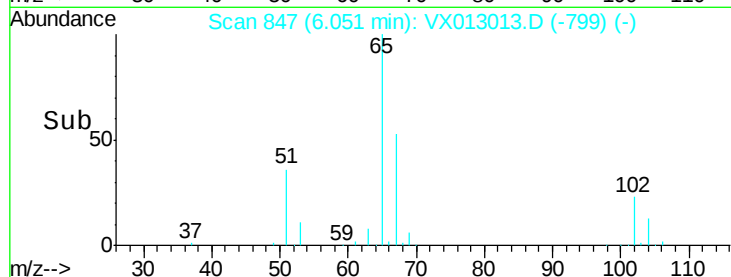
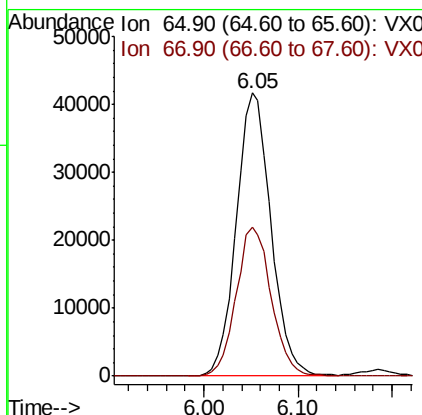
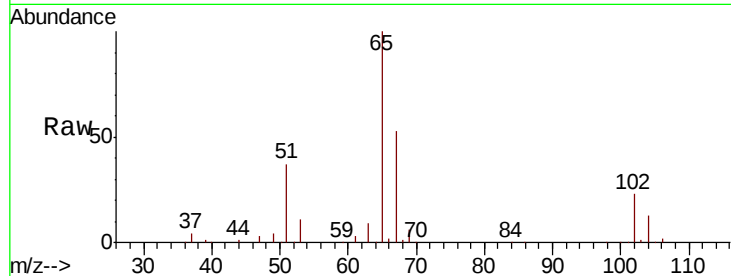
#33
 1,2-Dichloroethane-d4
 Concen: 51.311 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	107317		
67	53.3	0.0	104.4	

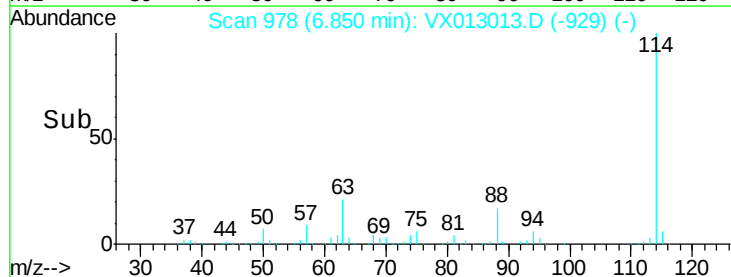
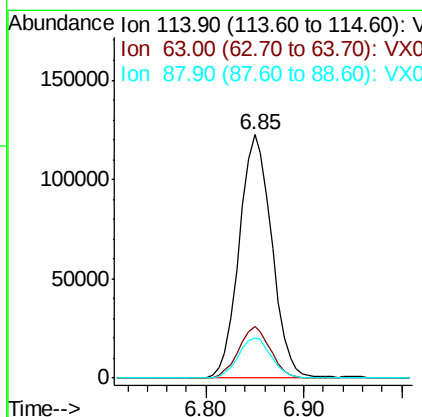
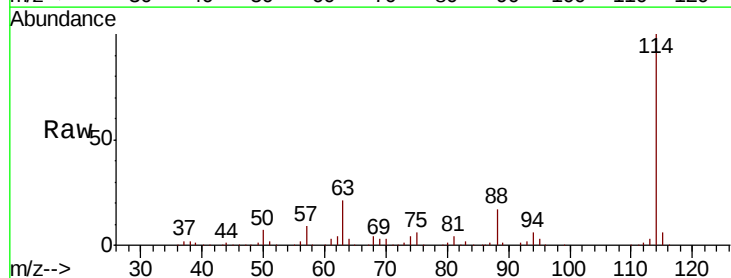
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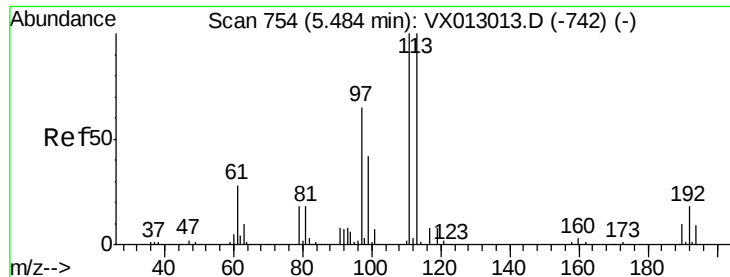
MMDadoda
 10/14/2019 10:39:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	283751		
63	21.3	0.0	40.8	
88	16.5	0.0	33.8	





#35

Dibromofluoromethane

Concen: 52.115 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

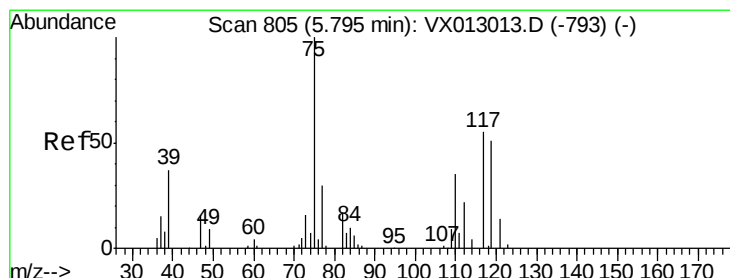
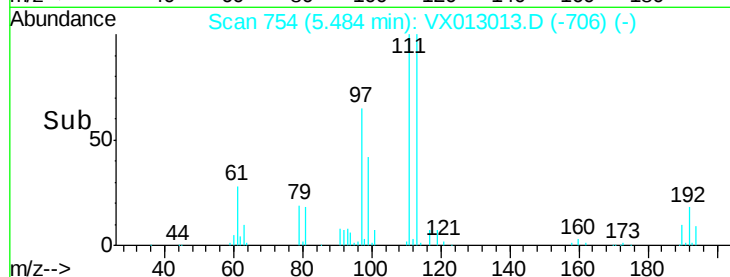
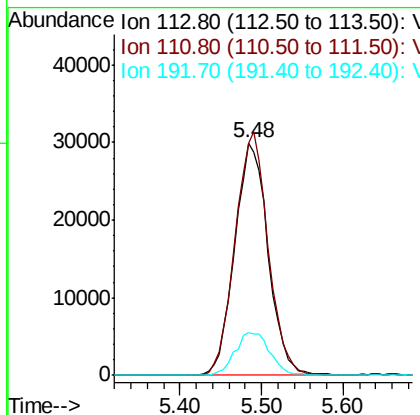
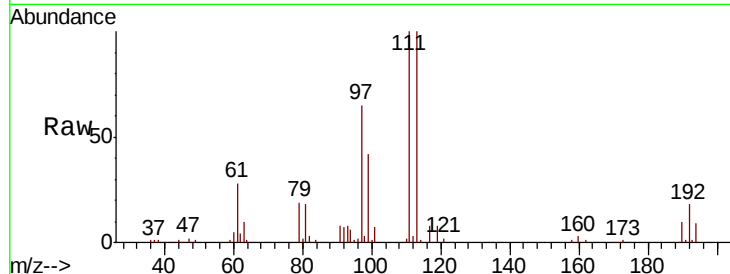
ClientSampleId :

VX1011WBS01

Tot Ion:	113	Resp:	84873
Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.2	124.8
192	19.2	15.4	23.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.263 ug/l

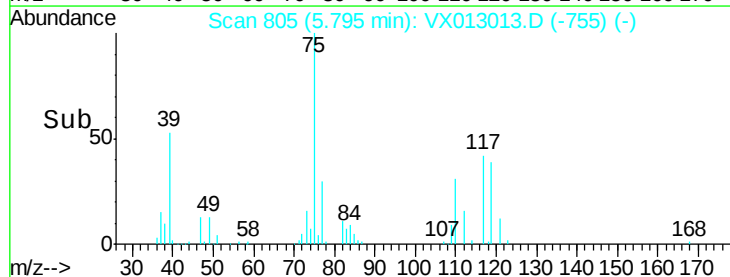
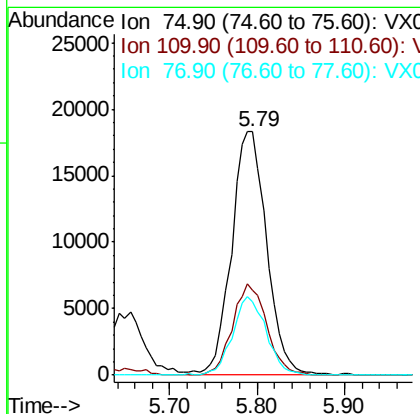
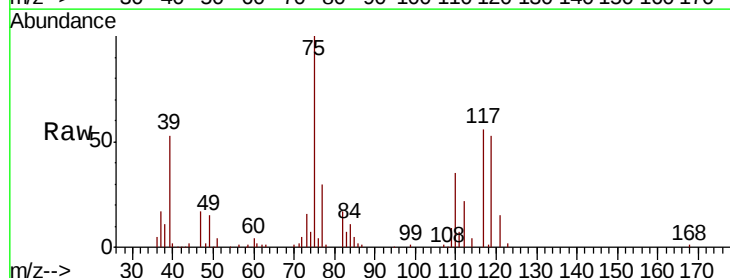
RT: 5.79 min Scan# 805

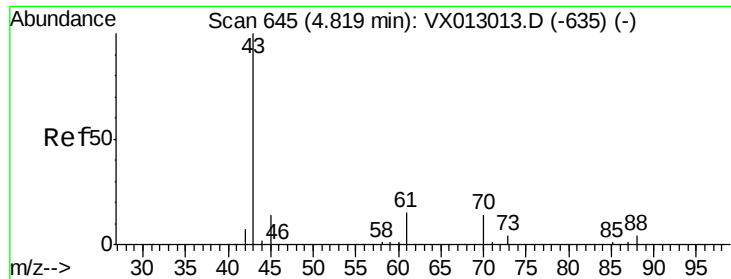
Delta R.T. 0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Tgt Ion:	75	Resp:	50552
Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.6	52.9
77	30.9	24.4	36.6





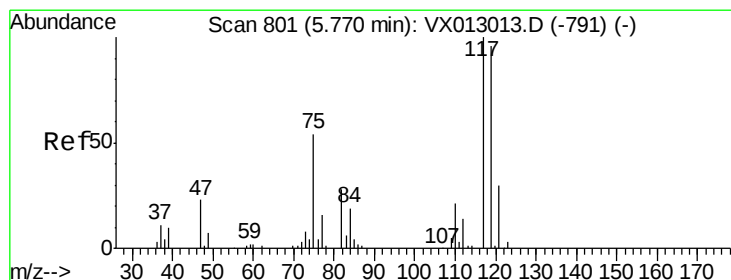
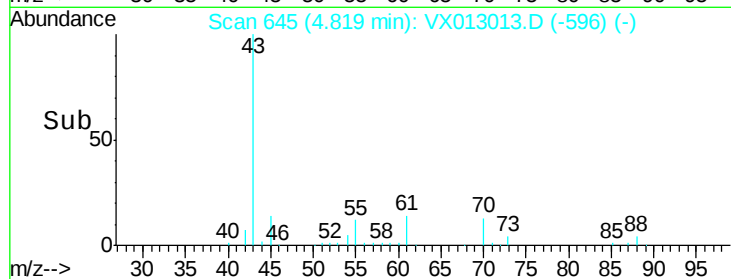
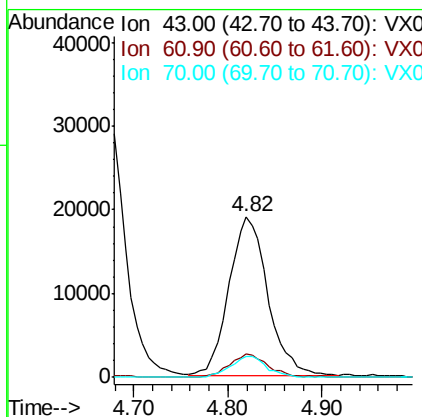
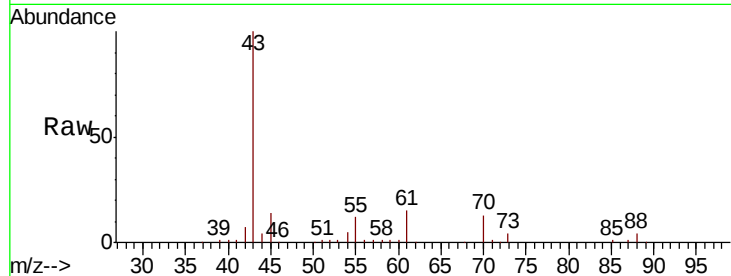
#37
Ethyl Acetate
Concen: 19.538 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.4	17.0
70	12.8	9.8	14.6

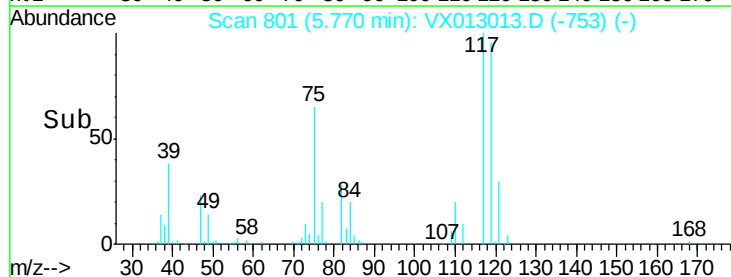
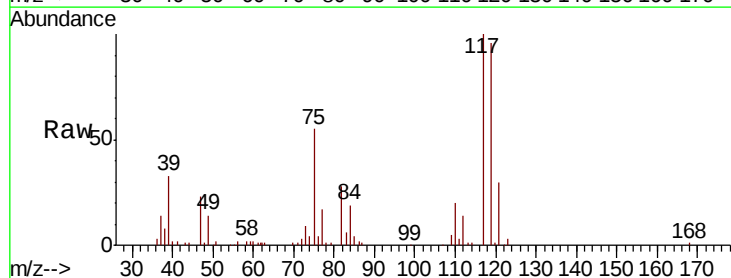
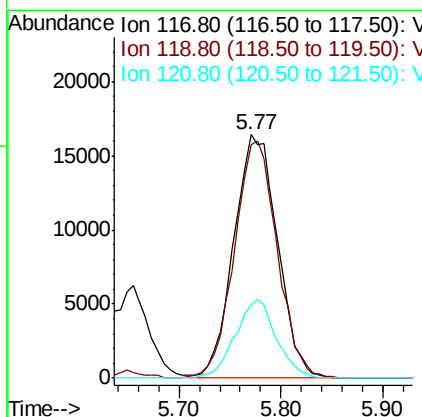
Manual Integrations
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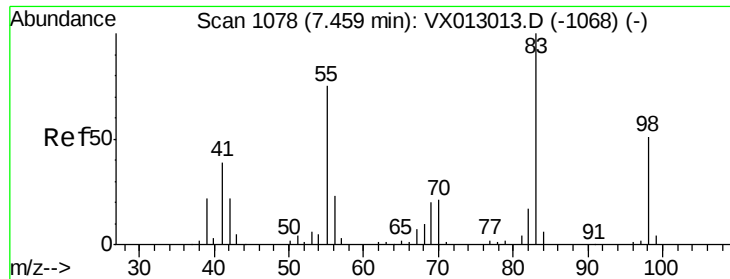
MMDadoda
10/14/2019 10:39:30 AM



#38
Carbon Tetrachloride
Concen: 20.114 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	74.5	111.7
121	29.9	24.2	36.4





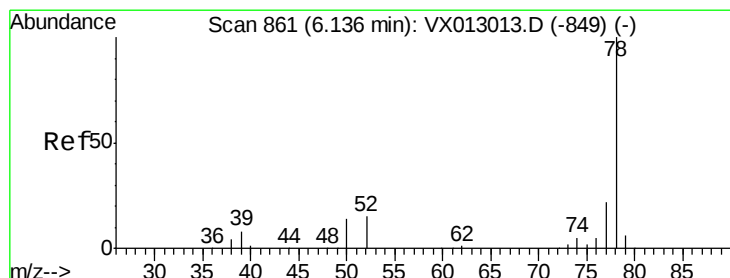
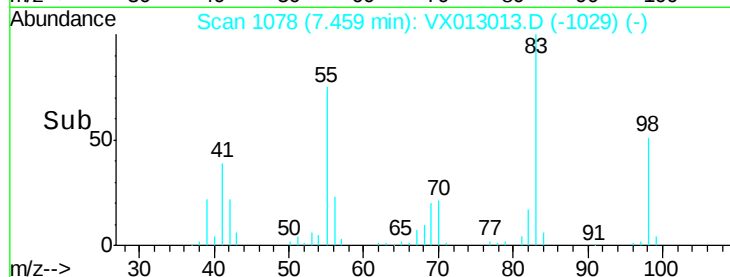
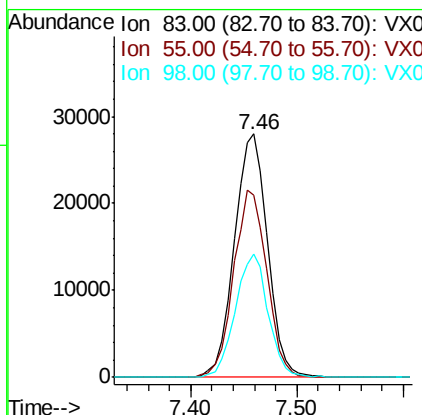
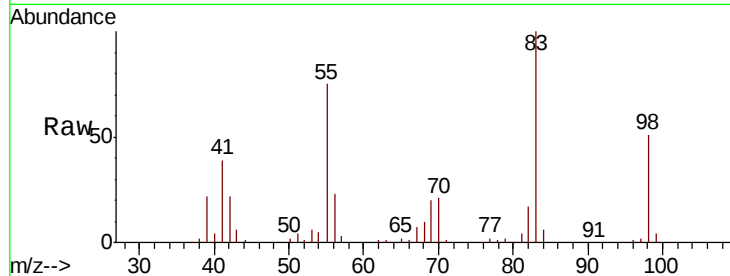
#39
Methylvlcyclohexane
Concen: 20.221 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	60.2	90.4
98	50.5	38.5	57.7

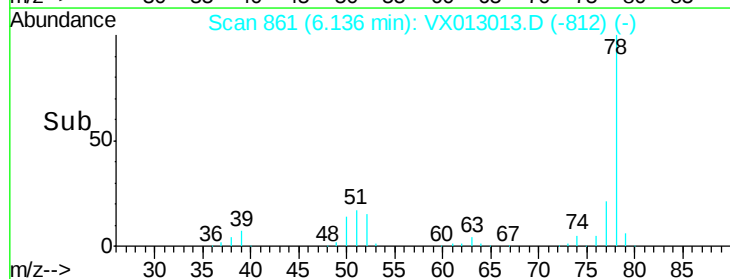
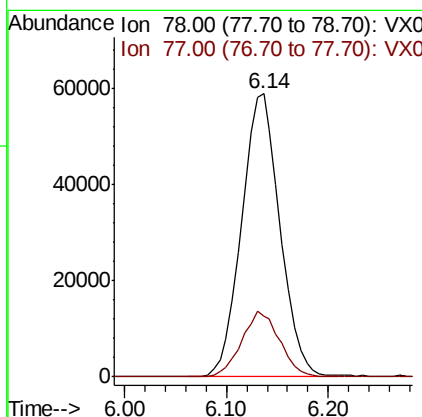
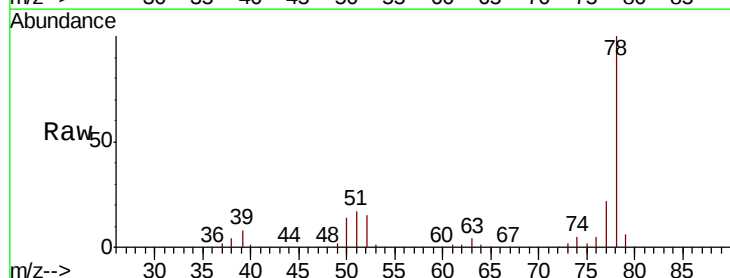
Manual Integrations
APPROVED

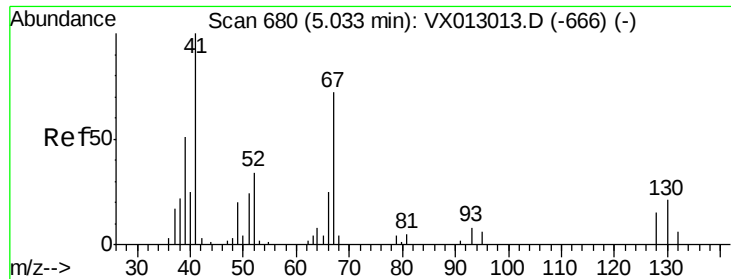
MMDadoda
10/14/2019 10:39:30 AM



#40
Benzene
Concen: 20.908 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.0	28.4





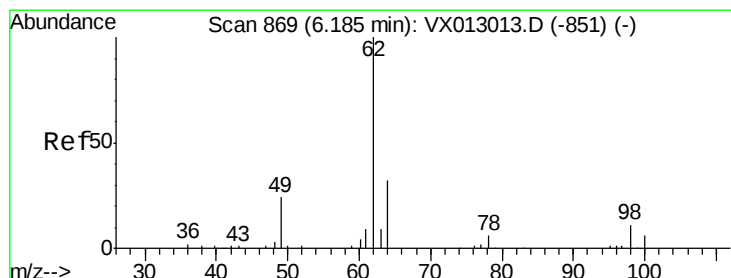
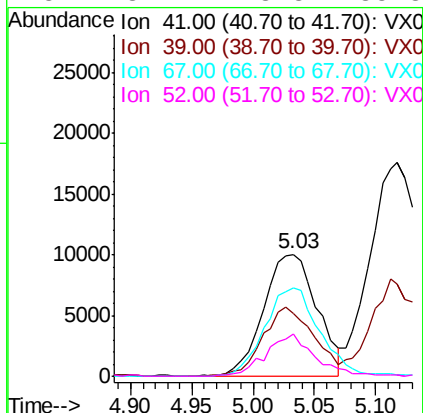
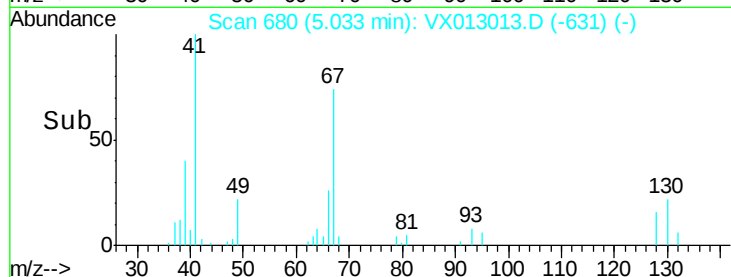
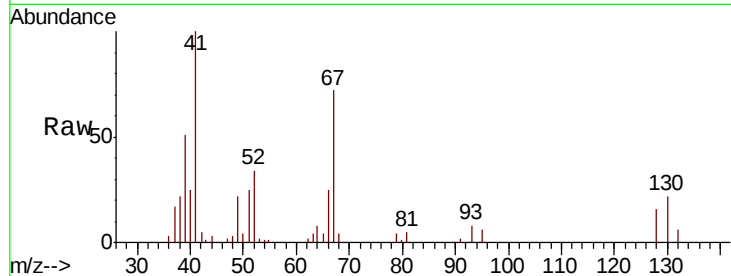
#41
Methacrylonitrile
Concen: 19.954 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	44.0	66.0	
67	74.4	58.5	87.7	
52	31.1	23.8	35.8	

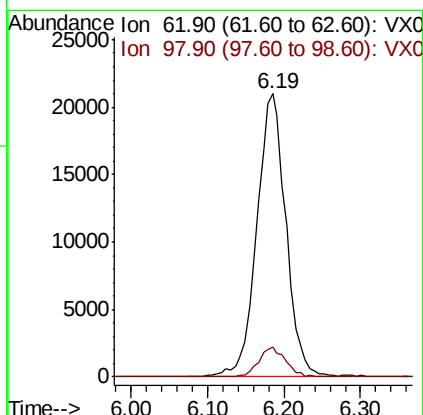
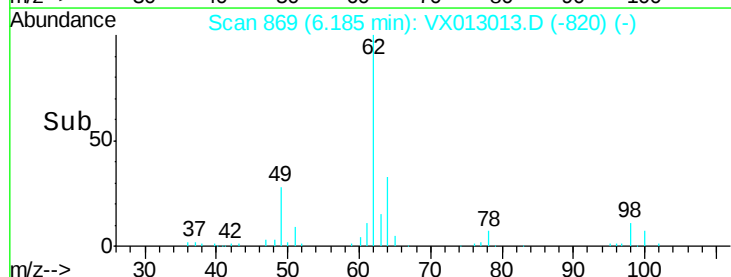
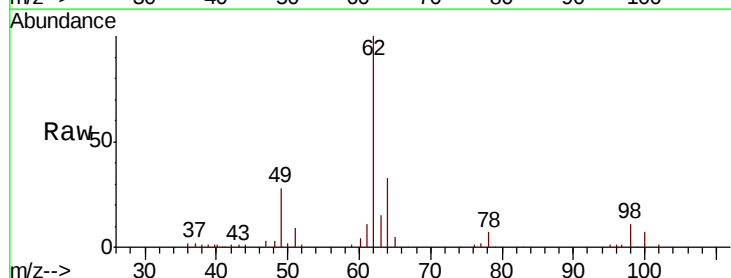
Manual Integrations
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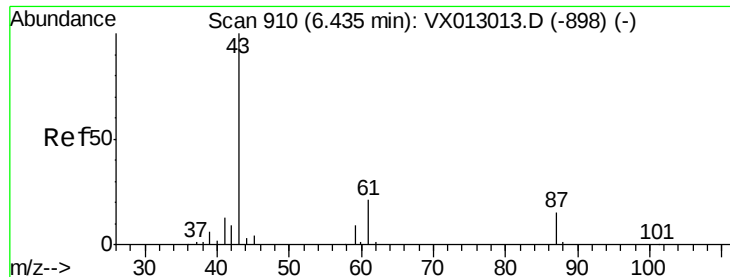
MMDadoda
10/14/2019 10:39:30 AM



#42
1,2-Dichloroethane
Concen: 21.089 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	20.4	





#43

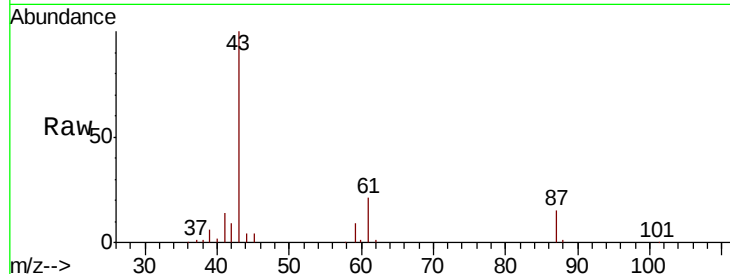
Isopropyl Acetate
 Concen: 20.112 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

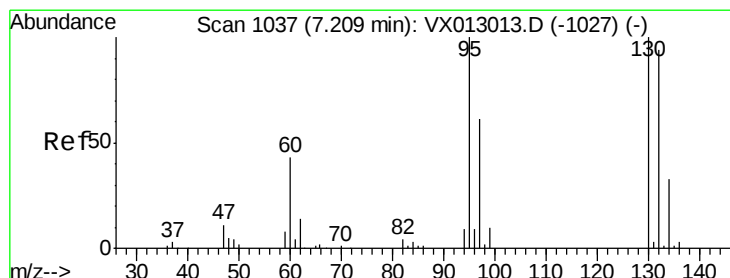
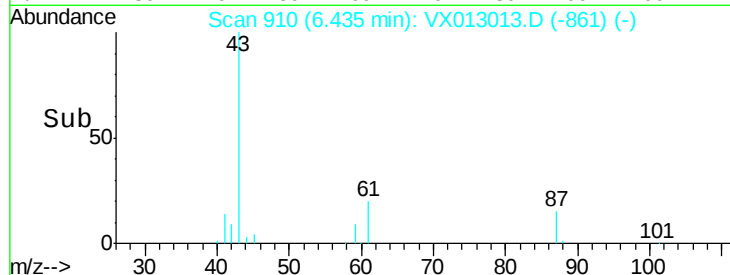
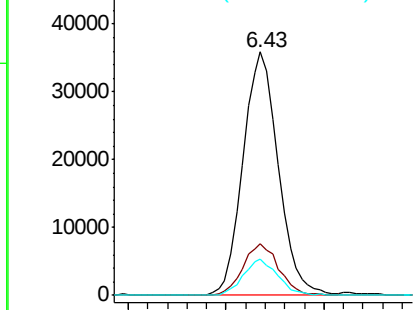
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.6	24.8
87	14.4	11.0	16.6

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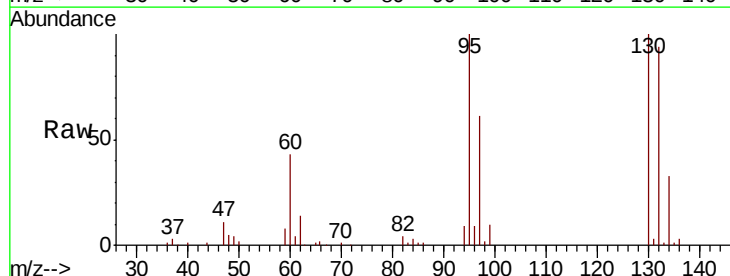
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



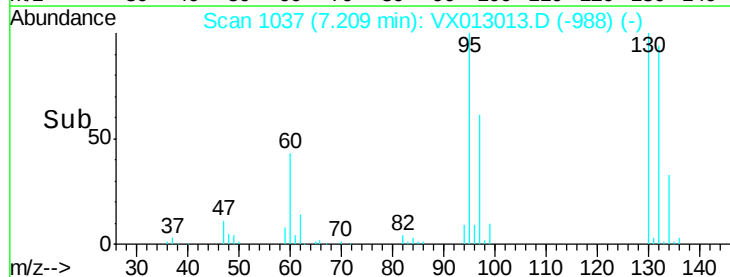
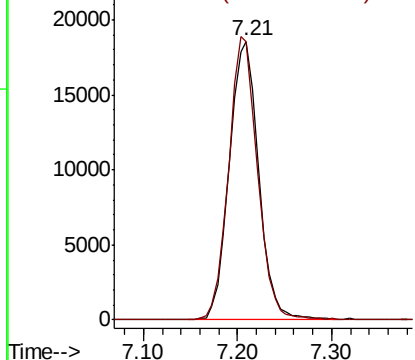
#44

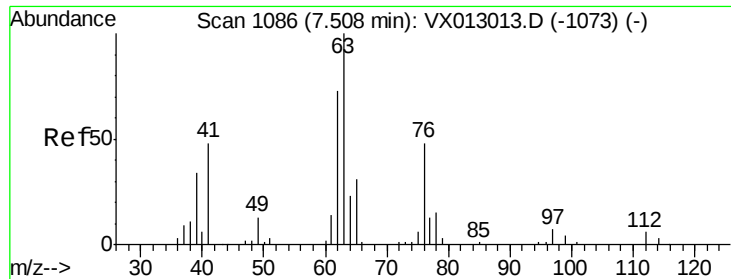
Trichloroethene
 Concen: 19.661 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	189.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





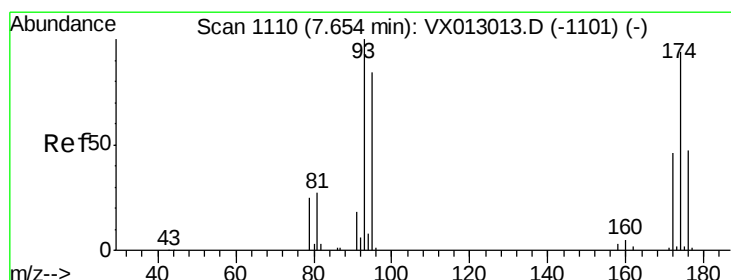
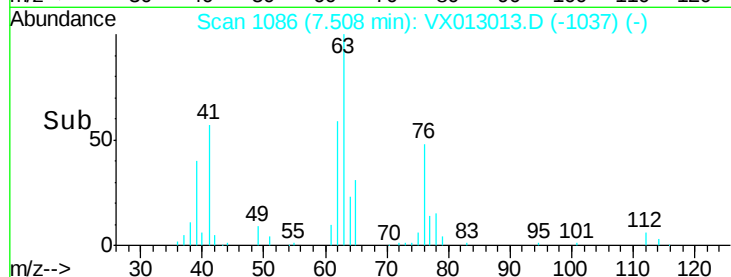
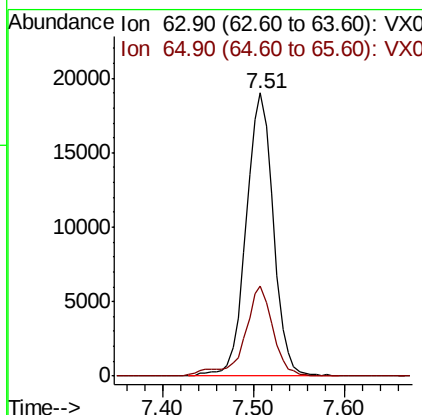
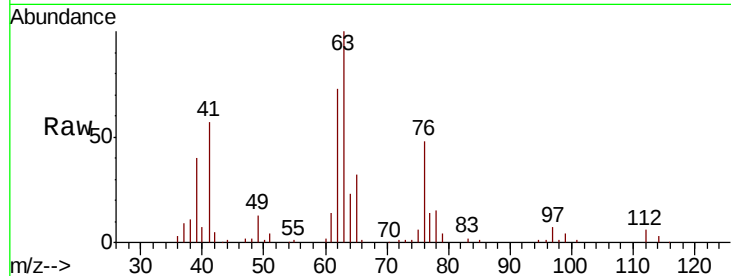
#45
 1,2-Dichloropropane
 Concen: 21.001 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion: 63 Resp: 39439
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.6 37.0

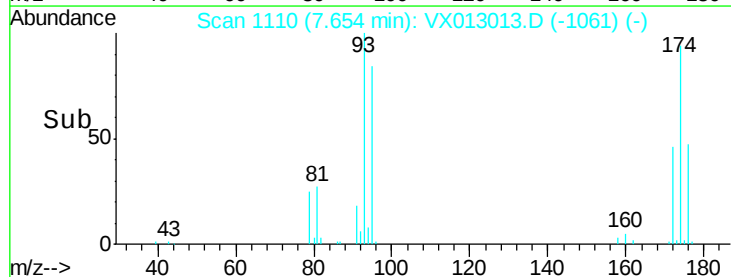
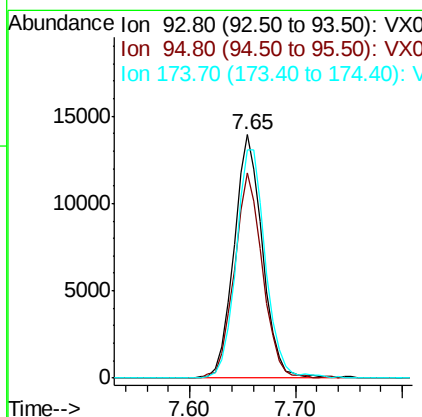
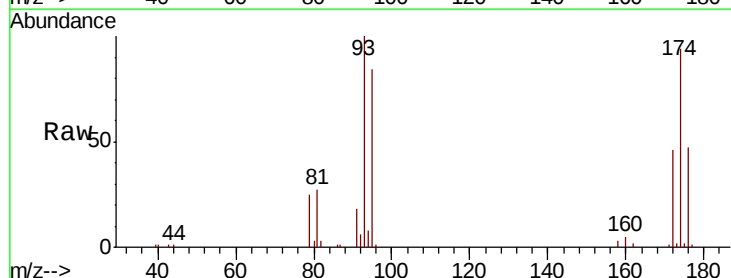
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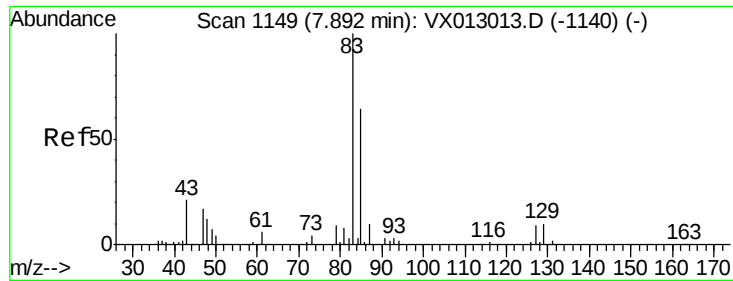
MMDadoda
 10/14/2019 10:39:30 AM



#46
 Dibromomethane
 Concen: 20.828 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Tgt Ion: 93 Resp: 26060
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.3 99.5
 174 97.6 77.8 116.6





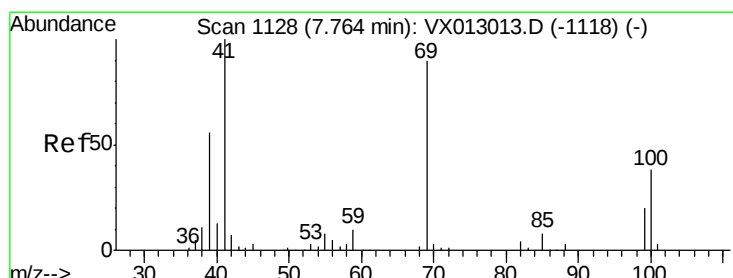
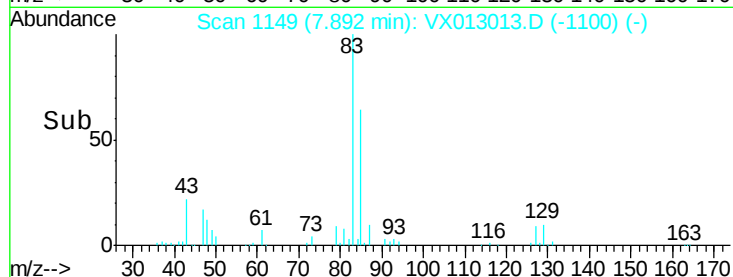
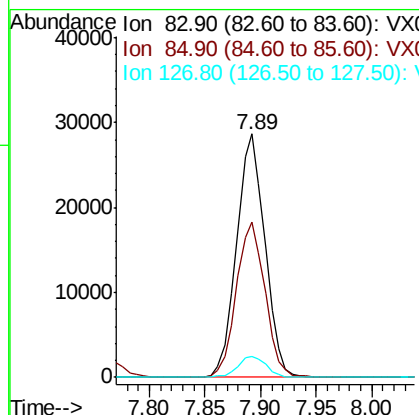
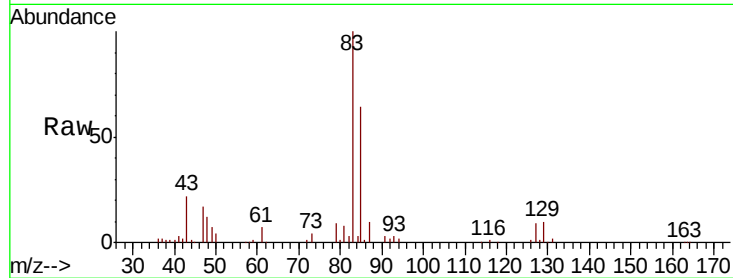
#47
Bromodichloromethane
Concen: 20.657 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	83	Resp	50438
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	52.4	78.6
127	8.7	6.6	10.0

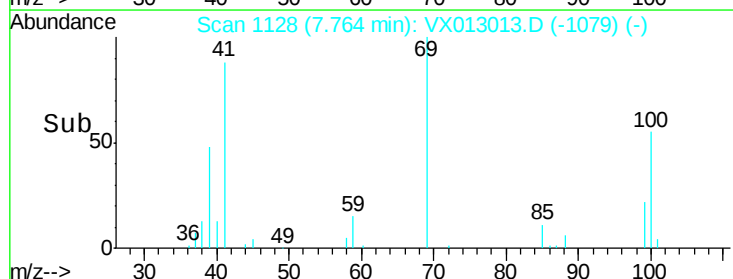
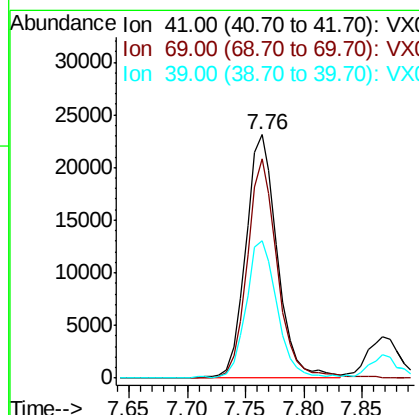
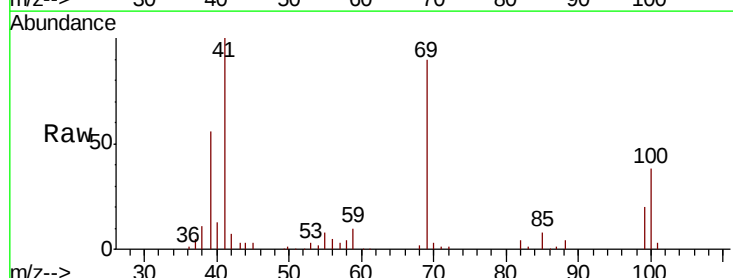
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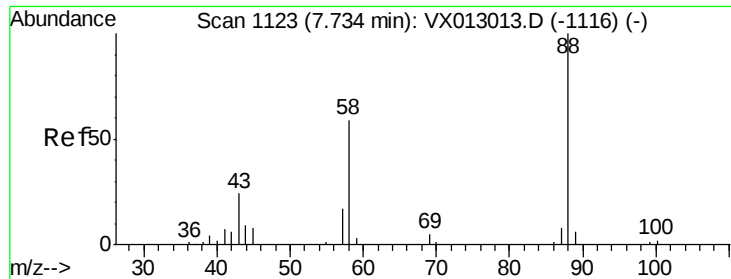
MMDadoda
10/14/2019 10:39:30 AM



#48
Methyl methacrylate
Concen: 20.014 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	41	Resp	43669
Ion Ratio	100	Lower	Upper
41	100		
69	85.7	68.7	103.1
39	55.9	44.3	66.5





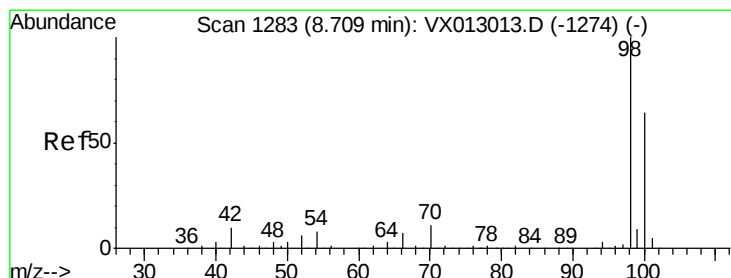
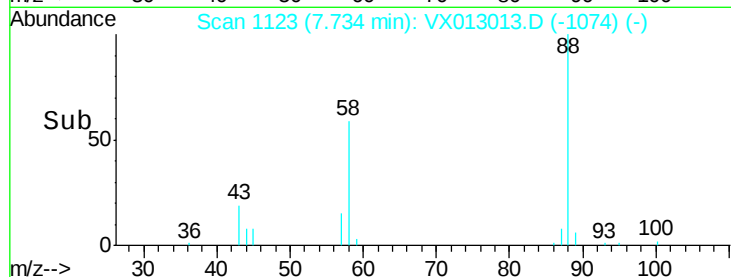
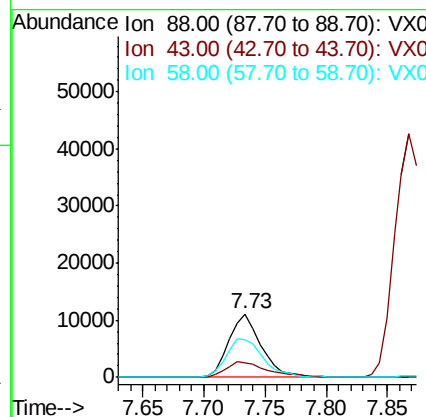
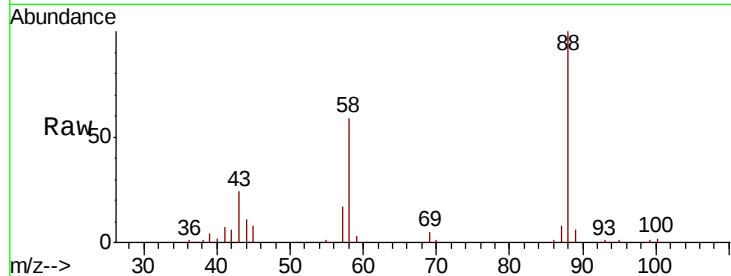
#49
 1,4-Dioxane
 Concen: 372.107 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.0	37.6
58	69.4	55.4	83.2

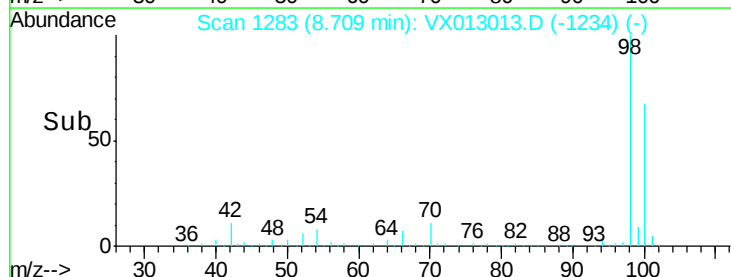
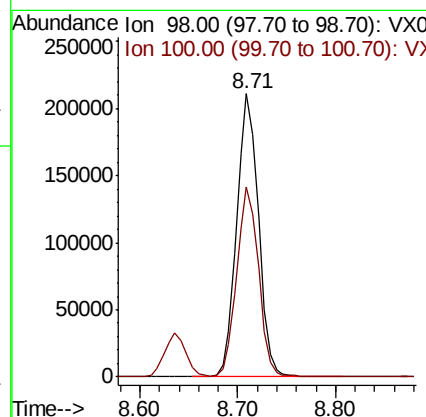
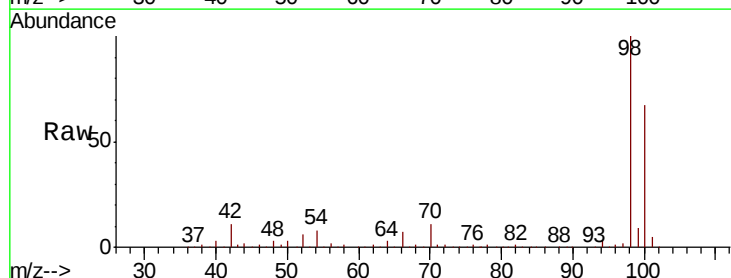
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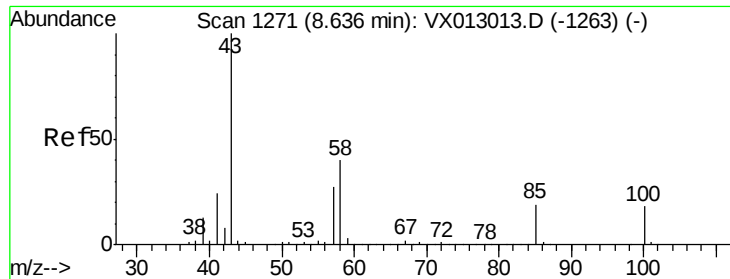
MMDadoda
 10/14/2019 10:39:30 AM



#50
 Toluene-d8
 Concen: 51.320 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.4	80.2





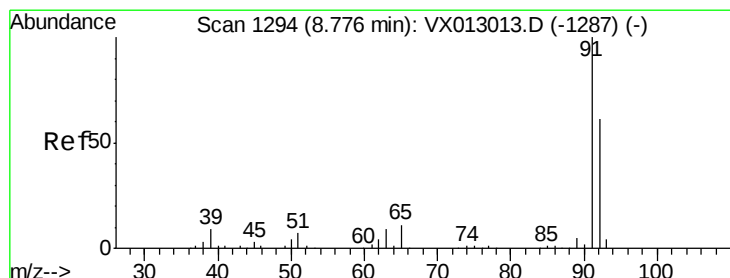
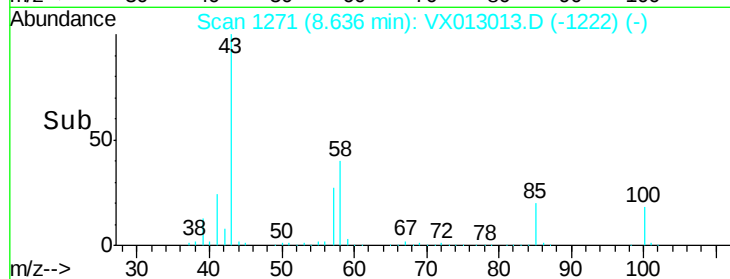
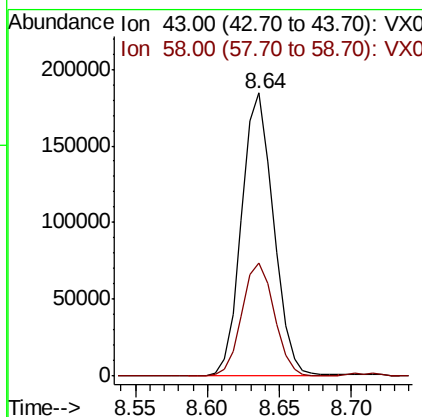
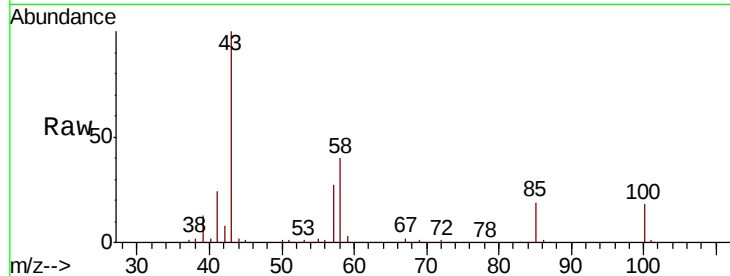
#51
4-Methyl-2-Pentanone
Concen: 102.009 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.4	48.6

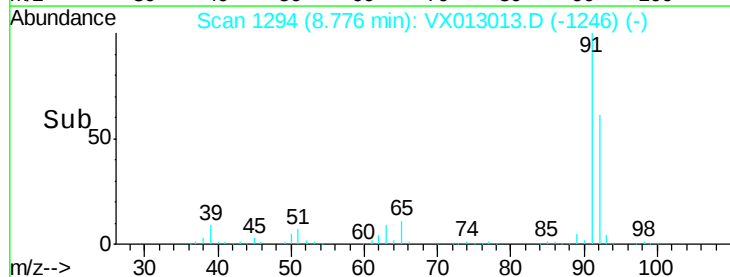
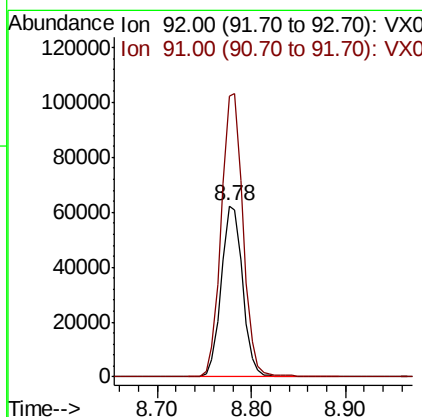
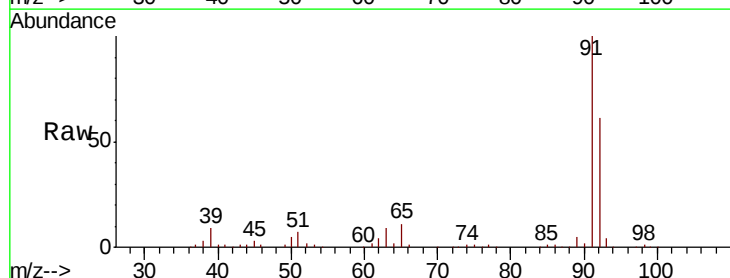
Manual Integrations
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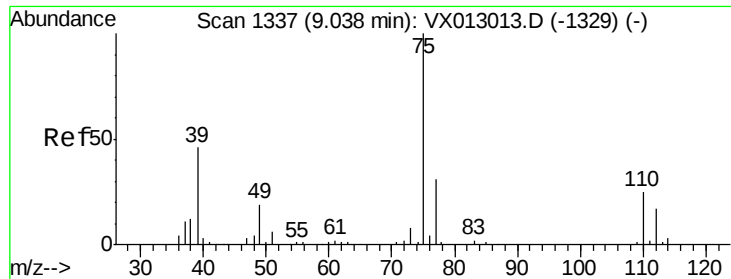
MMDadoda
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#52
Toluene
Concen: 20.847 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.0	135.9	203.9





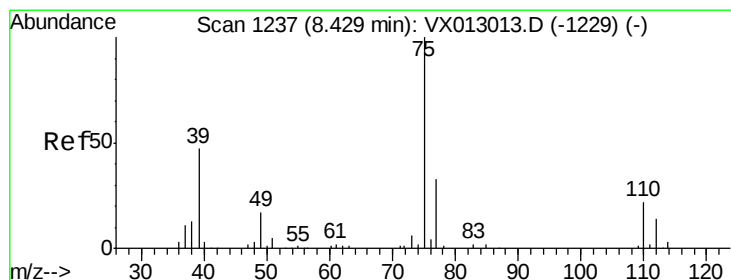
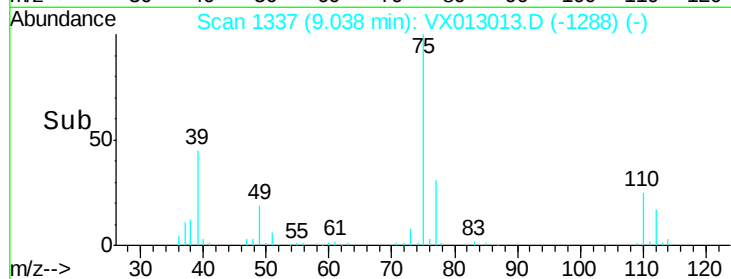
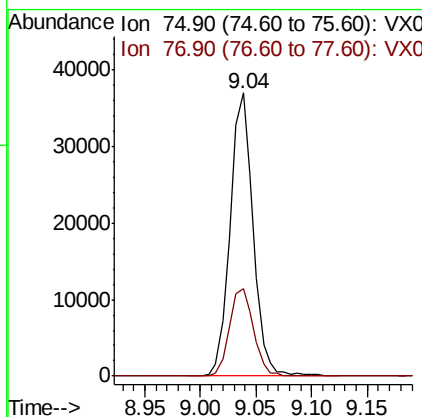
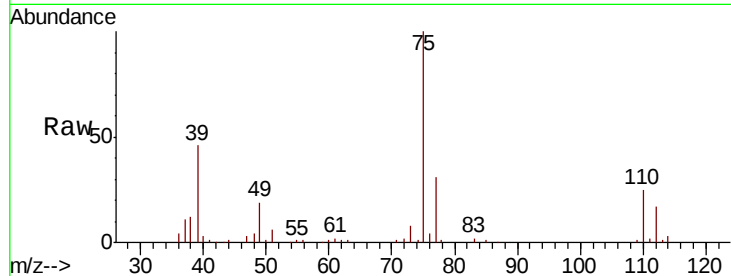
#53
t-1,3-Dichloropropene
Concen: 18.732 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion: 75 Resp: 52760
Ion Ratio Lower Upper
75 100
77 30.7 25.8 38.6

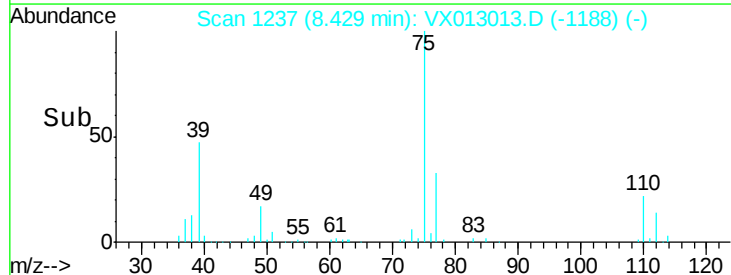
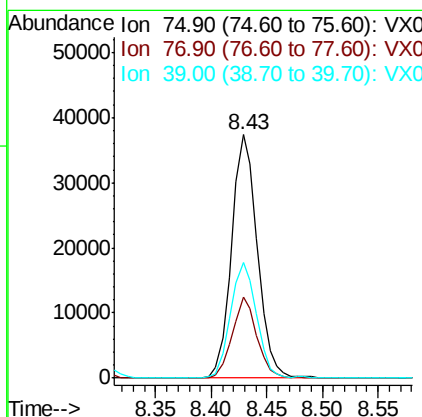
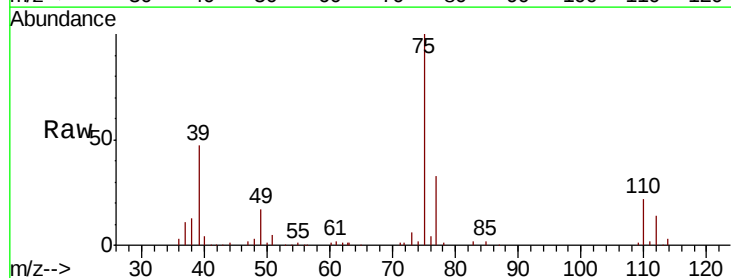
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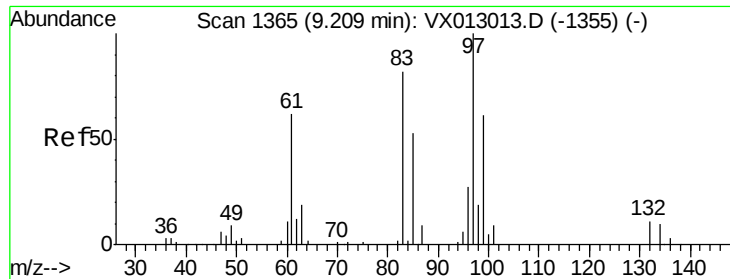
MMDadoda
10/14/2019 10:39:30 AM



#54
cis-1,3-Dichloropropene
Concen: 19.897 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion: 75 Resp: 59752
Ion Ratio Lower Upper
75 100
77 33.0 25.8 38.8
39 47.1 38.2 57.2





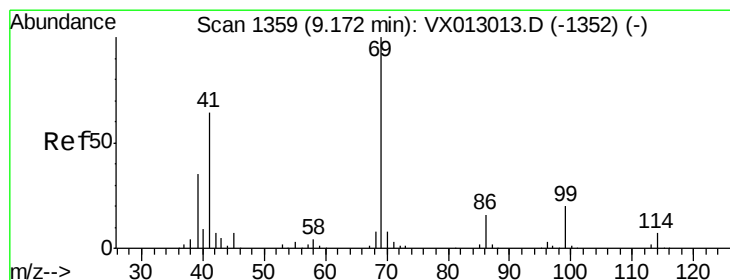
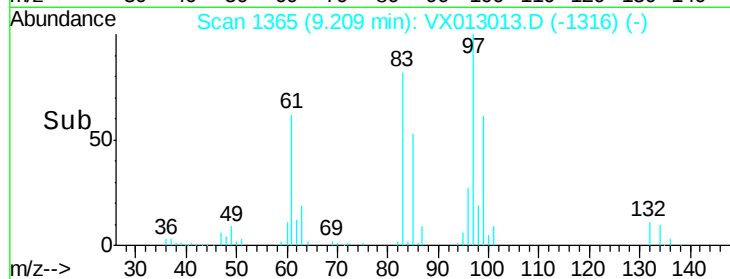
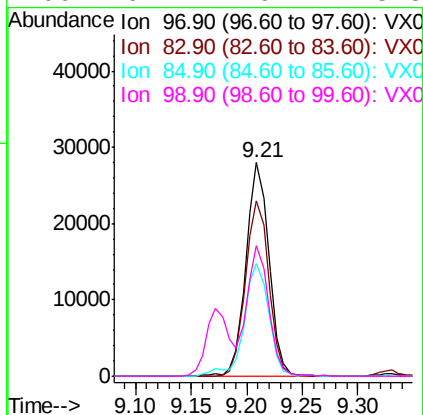
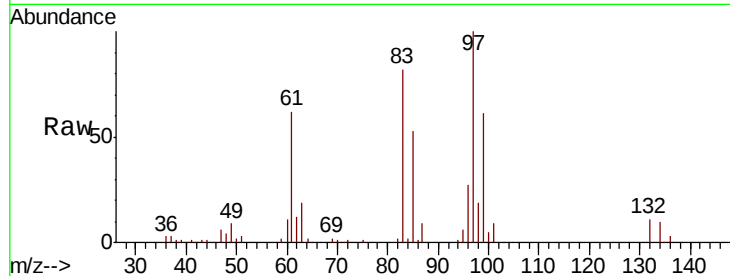
#55
 1,1,2-Trichloroethane
 Concen: 21.651 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion:	97	Resp:	40390
Ion	Ratio	Lower	Upper
97	100		
83	82.0	66.5	99.7
85	53.0	43.1	64.7
99	61.2	49.2	73.8

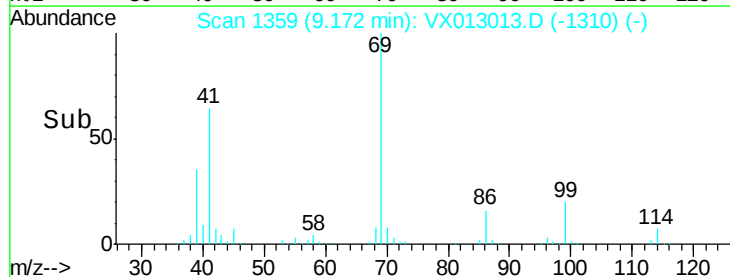
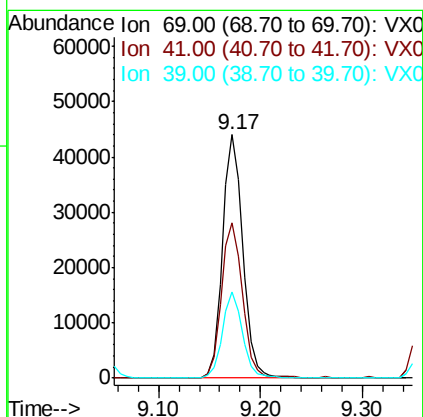
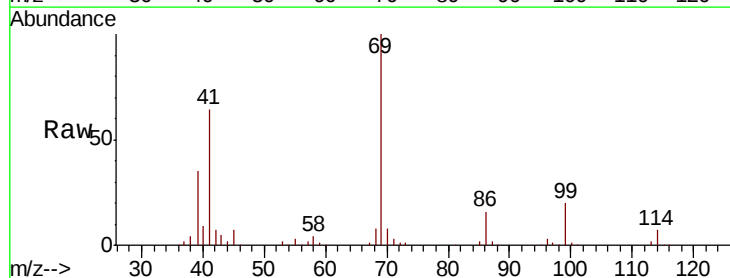
Manual Integrations
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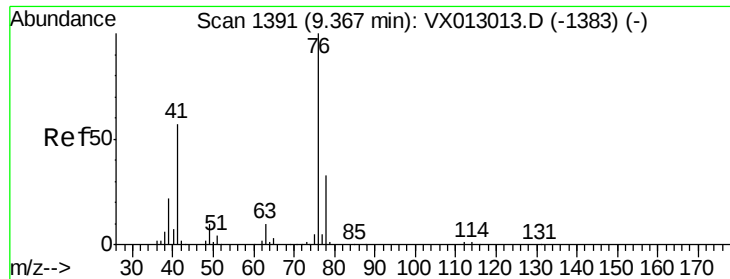
MMDadoda
 10/14/2019 10:39:30 AM



#56
 Ethyl methacrylate
 Concen: 19.519 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Tgt Ion:	69	Resp:	61332
Ion	Ratio	Lower	Upper
69	100		
41	66.5	52.1	78.1
39	34.4	27.8	41.8





#57

1,3-Dichloropropane

Concen: 20.723 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion: 76 Resp: 66873

Ion Ratio Lower Upper

76 100

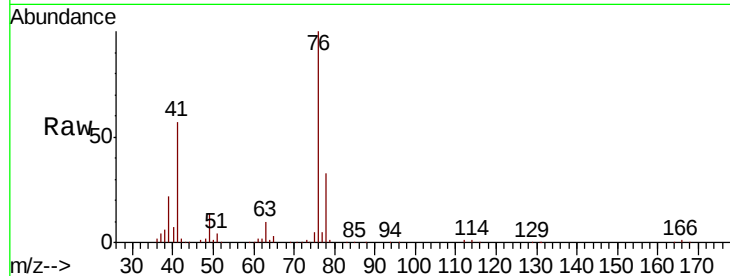
78 34.1 26.1 39.1

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

40000

30000

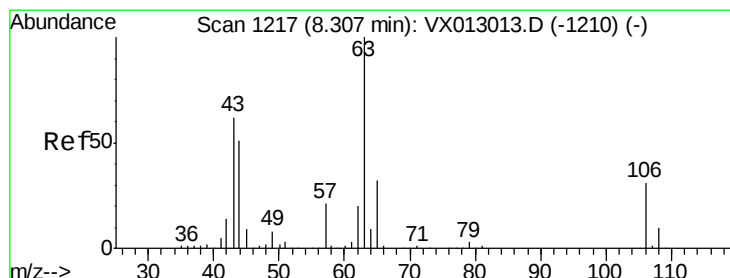
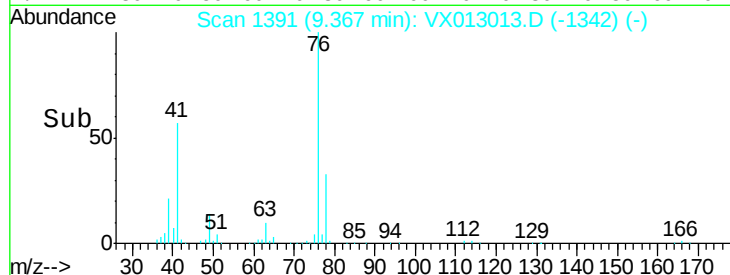
20000

10000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.573 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013013.D

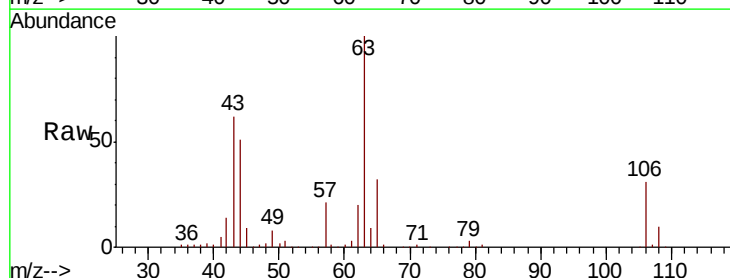
Acq: 11 Oct 2019 14:00

Tgt Ion: 63 Resp: 137829

Ion Ratio Lower Upper

63 100

106 29.6 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

100000

80000

60000

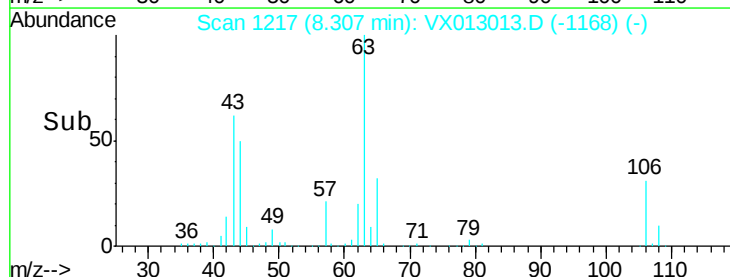
40000

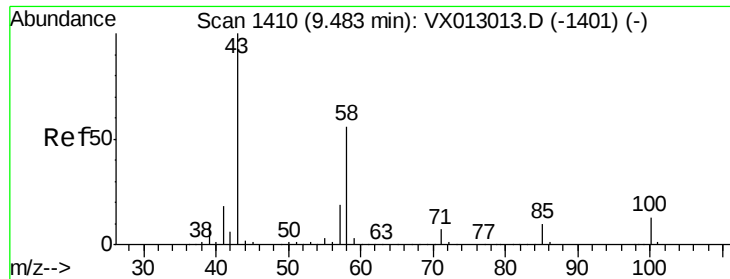
20000

0

8.20 8.30 8.40

Time-->





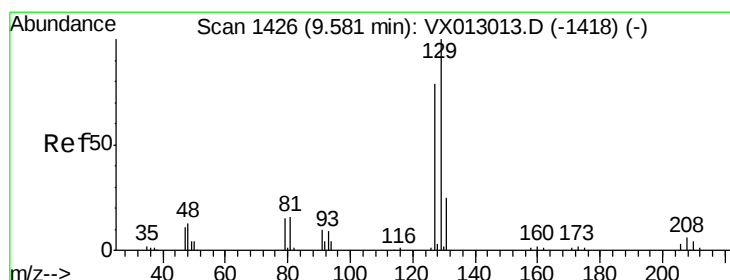
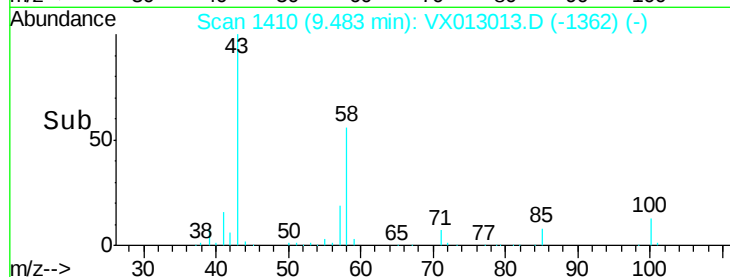
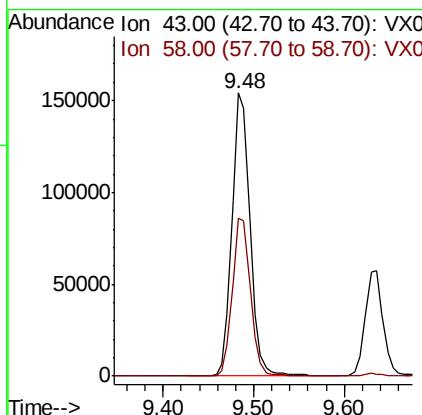
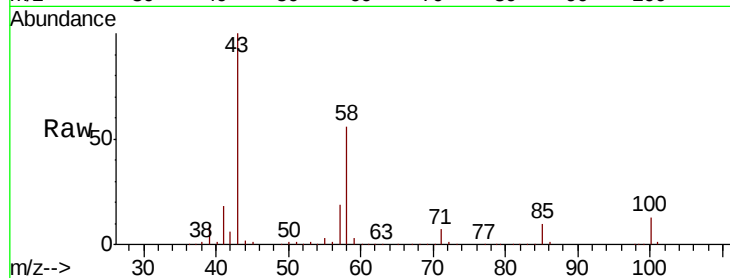
#59
2-Hexanone
Concen: 98.354 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	43	Resp	213729
Ion Ratio	100	Lower	Upper
58	56.2	28.1	84.3

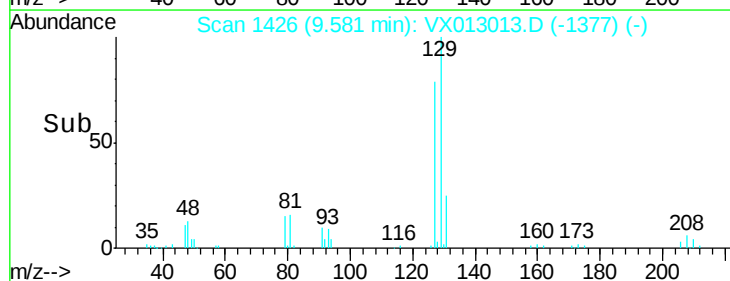
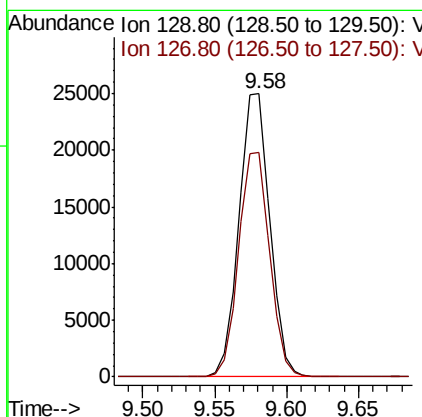
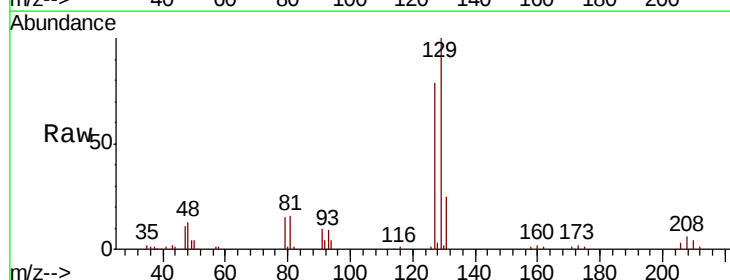
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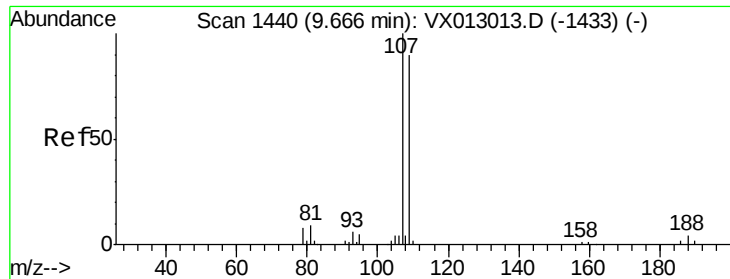
MMDadoda
10/14/2019 10:39:30 AM



#60
Dibromochloromethane
Concen: 19.106 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	129	Resp	37190
Ion Ratio	100	Lower	Upper
127	79.4	38.9	116.7





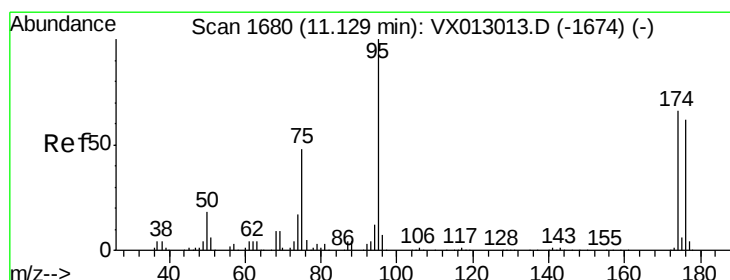
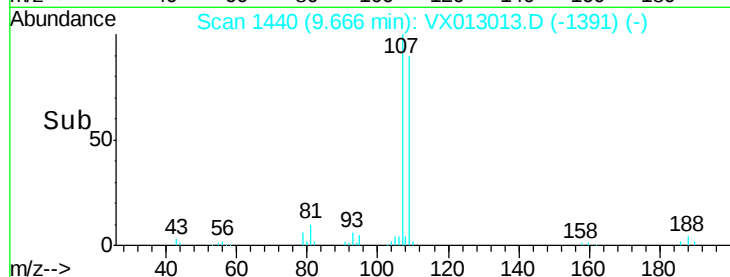
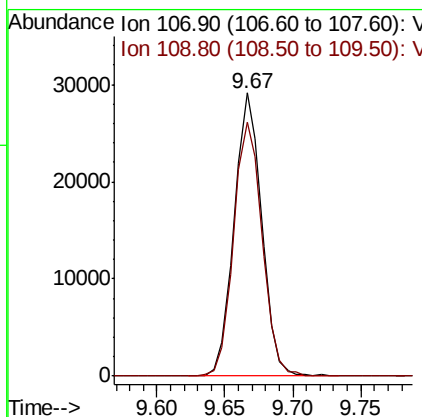
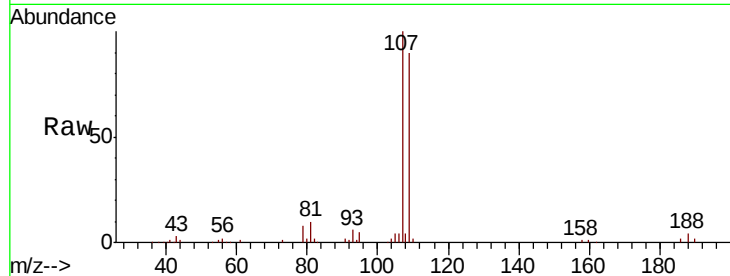
#61
 1,2-Dibromoethane
 Concen: 20.926 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.8	113.6

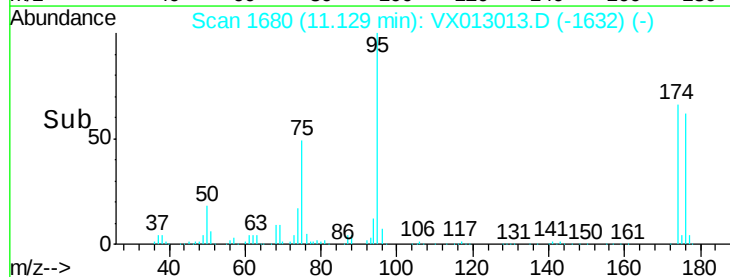
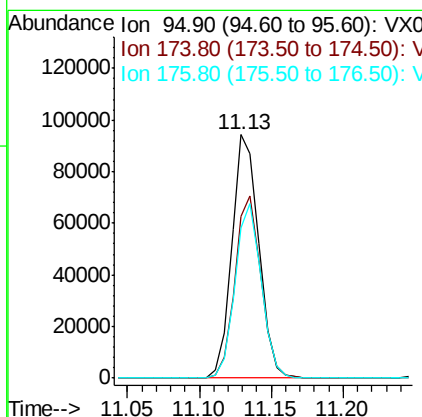
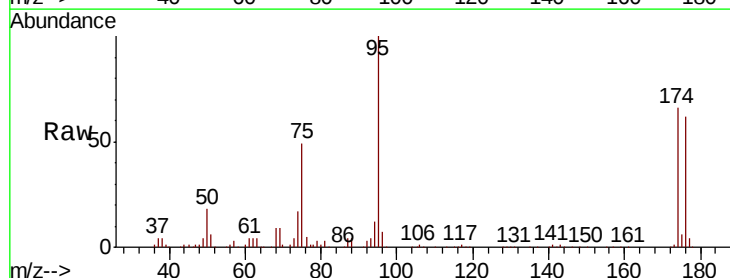
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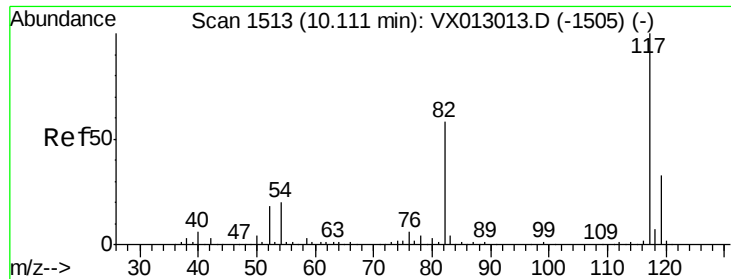
MMDadoda
 10/14/2019 10:39:30 AM



#62
 4-Bromofluorobenzene
 Concen: 49.952 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	143.4
176	69.7	0.0	136.0





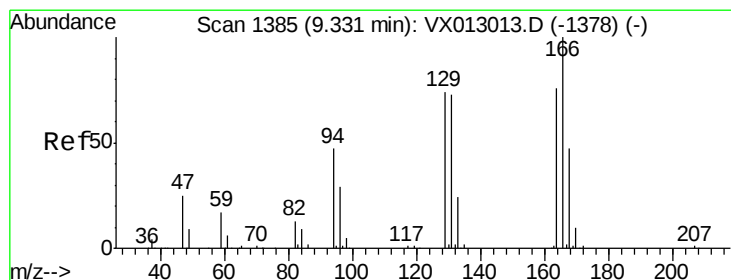
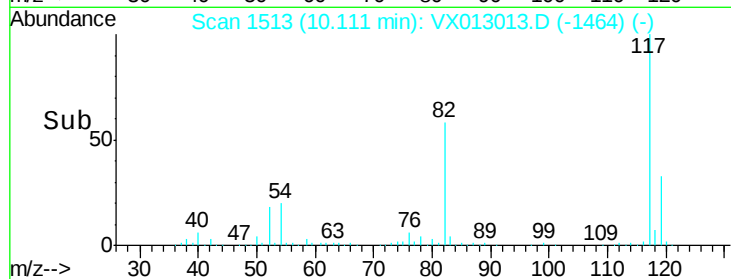
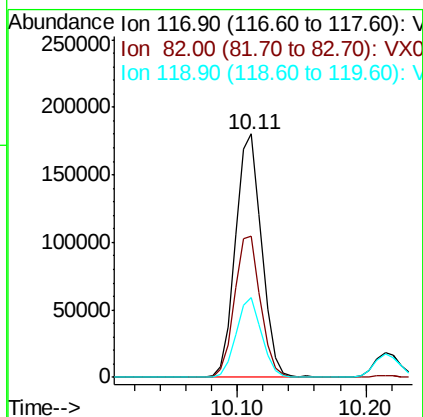
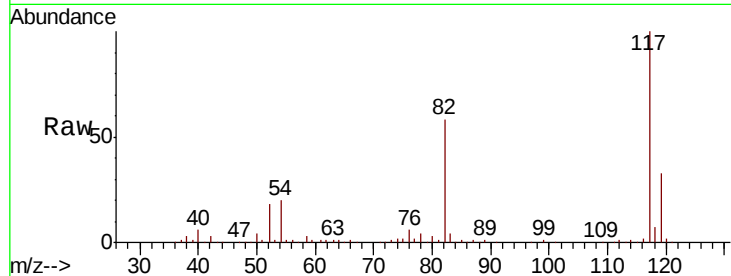
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	44.1	66.1
119	32.6	25.8	38.8

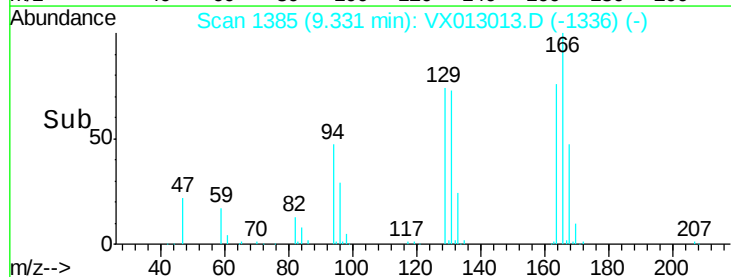
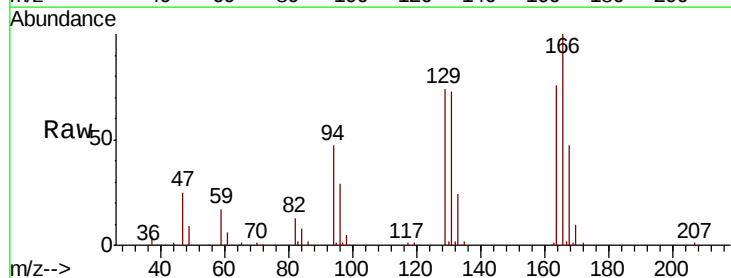
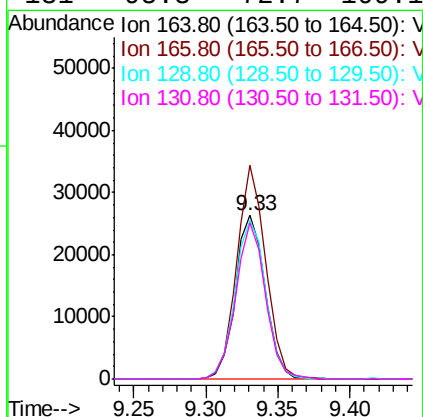
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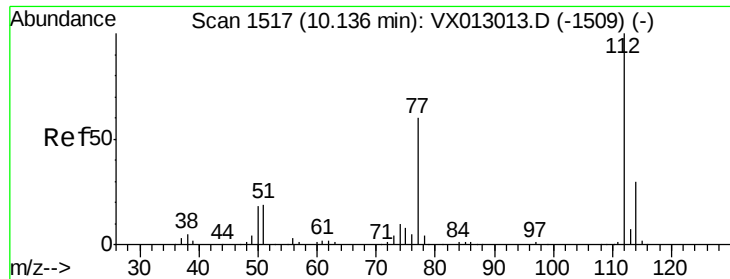
MMDadoda
10/14/2019 10:39:30 AM



#64
Tetrachloroethene
Concen: 21.564 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	96.9	145.3
129	97.4	77.9	116.9
131	95.3	72.7	109.1





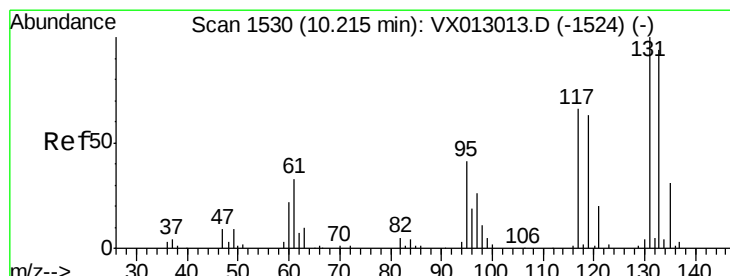
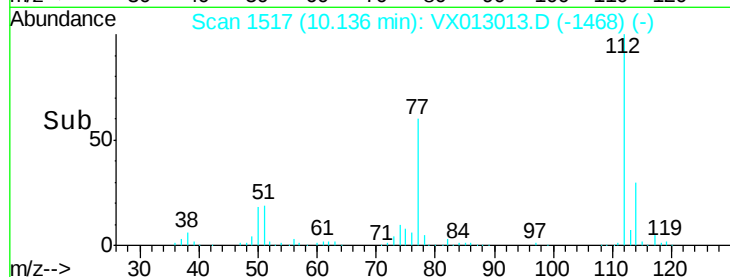
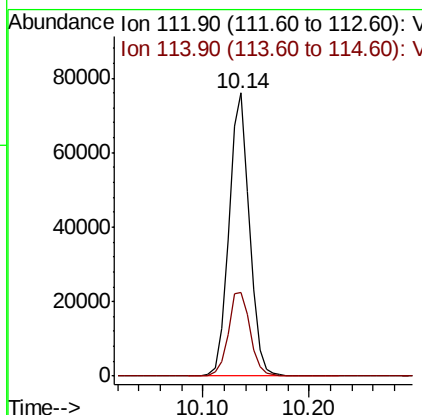
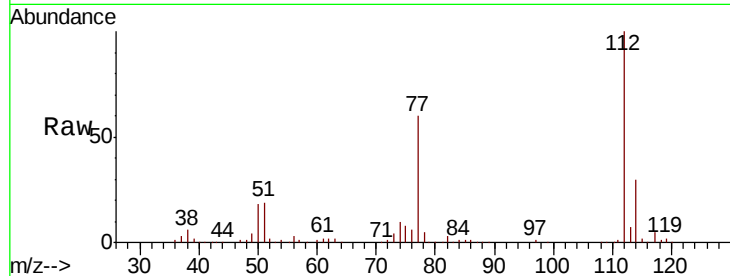
#65
Chlorobenzene
Concen: 20.269 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion:112 Resp: 102156
Ion Ratio Lower Upper
112 100
114 29.7 25.7 38.5

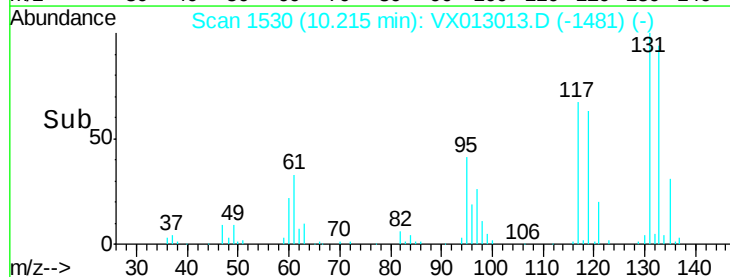
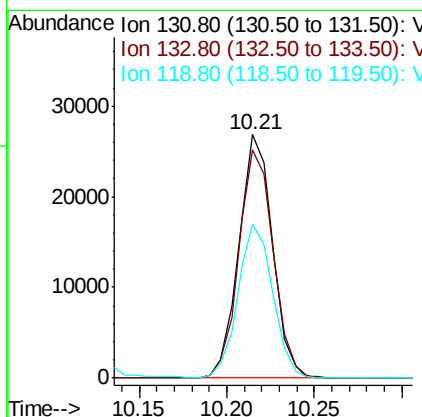
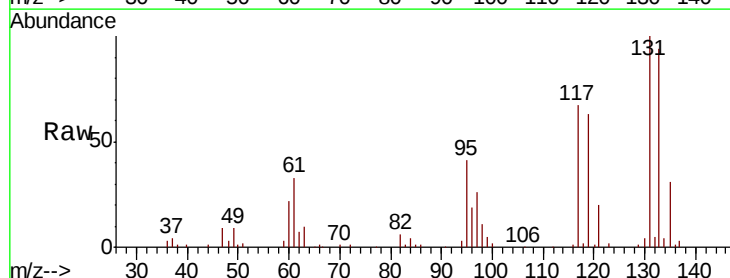
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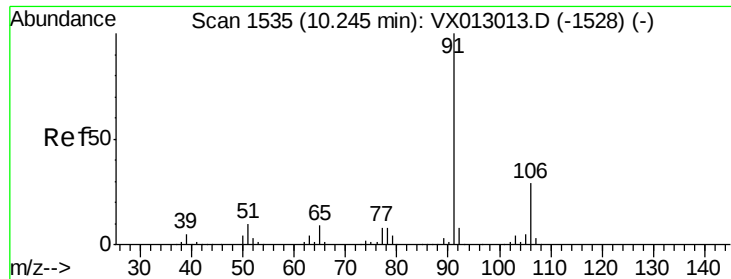
MMDadoda
10/14/2019 10:39:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.526 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion:131 Resp: 35869
Ion Ratio Lower Upper
131 100
133 95.6 47.2 141.6
119 65.7 32.6 98.0





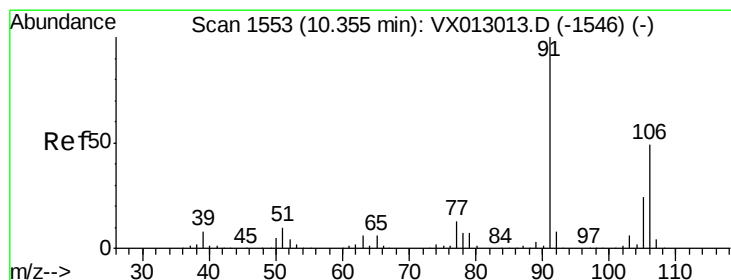
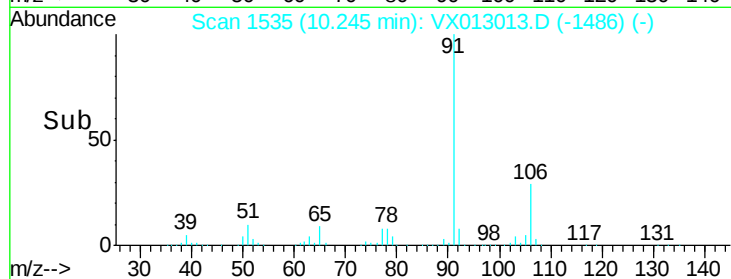
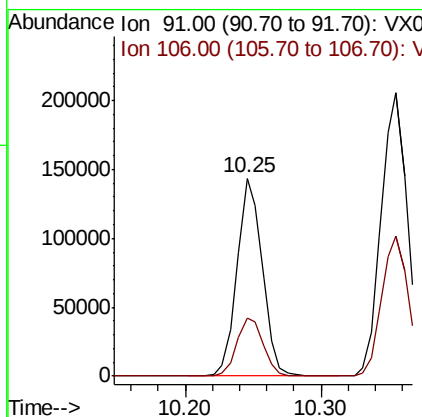
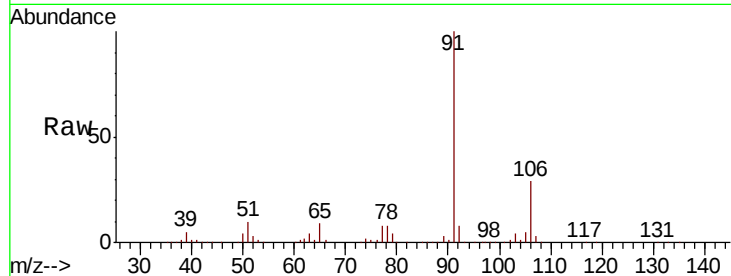
#67
Ethyl Benzene
Concen: 20.721 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion: 91 Resp: 185506
Ion Ratio Lower Upper
91 100
106 29.1 23.9 35.9

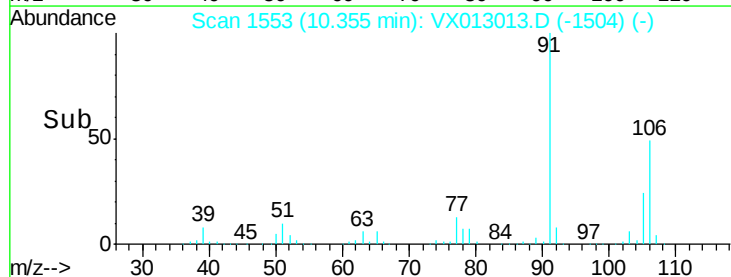
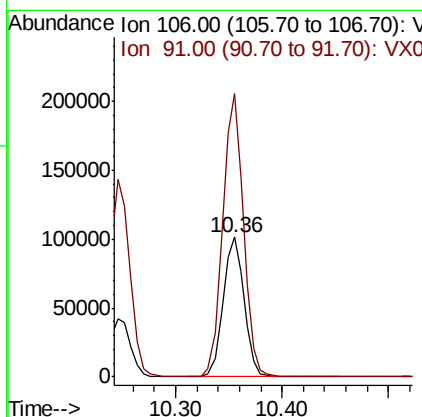
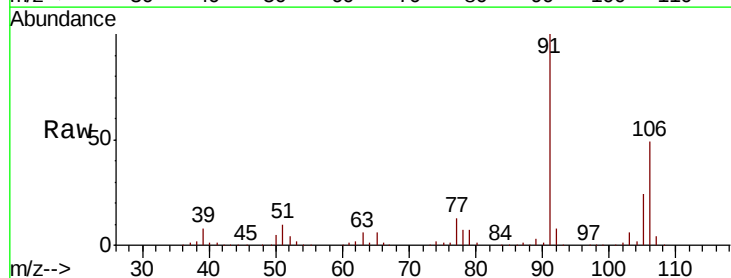
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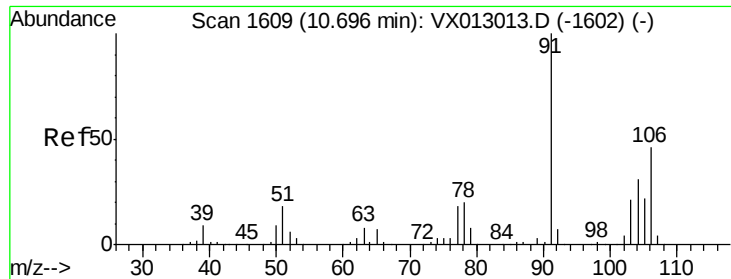
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#68
m/p-Xylenes
Concen: 41.759 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion: 106 Resp: 139666
Ion Ratio Lower Upper
106 100
91 199.9 165.3 247.9





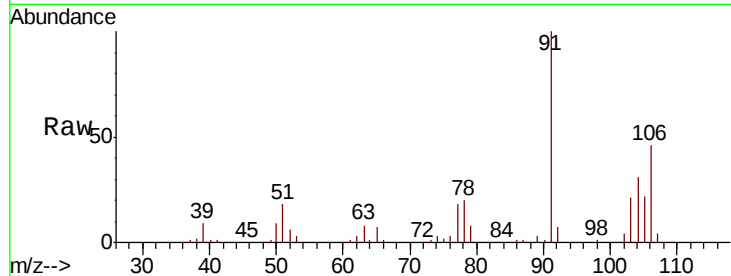
#69
o-Xylene
Concen: 20.709 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

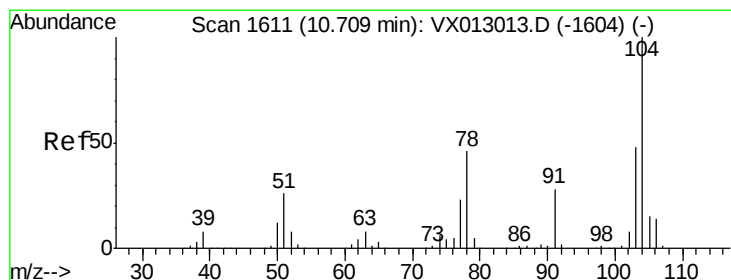
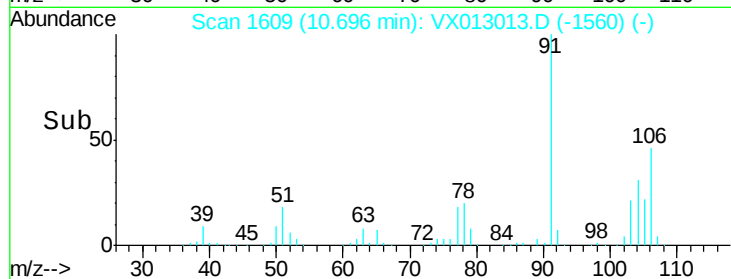
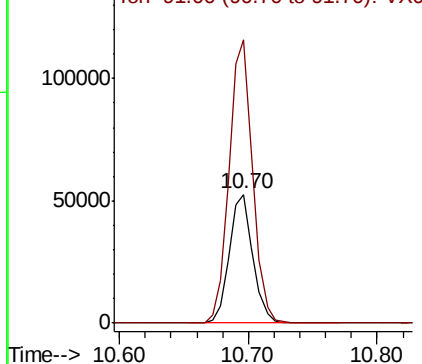
Tot Ion:106 Resp: 67543
Ion Ratio Lower Upper
106 100
91 219.4 109.1 327.3

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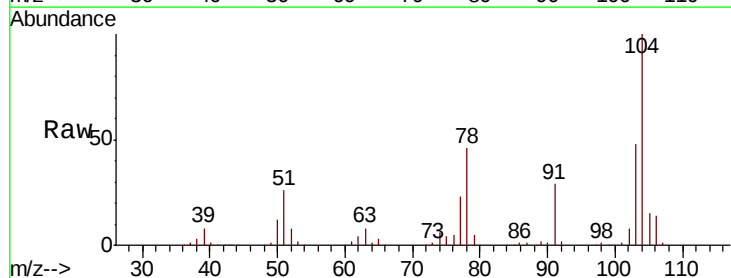


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

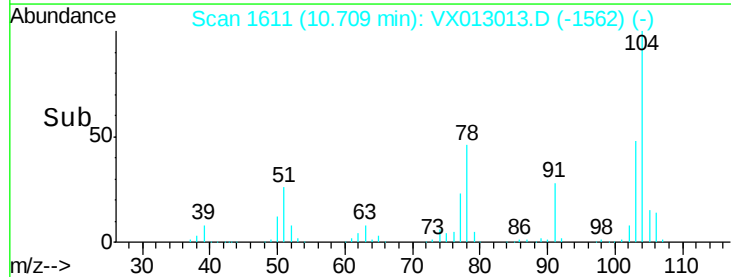
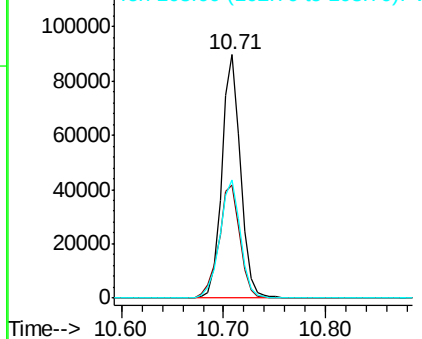


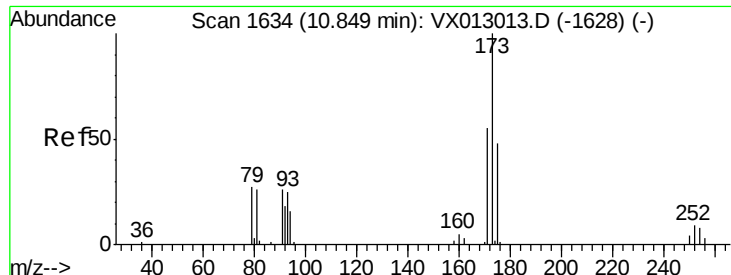
#70
Styrene
Concen: 20.650 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion:104 Resp: 114496
Ion Ratio Lower Upper
104 100
78 52.7 41.2 61.8
103 53.9 43.0 64.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.269 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion:173 Resp: 24040

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.3

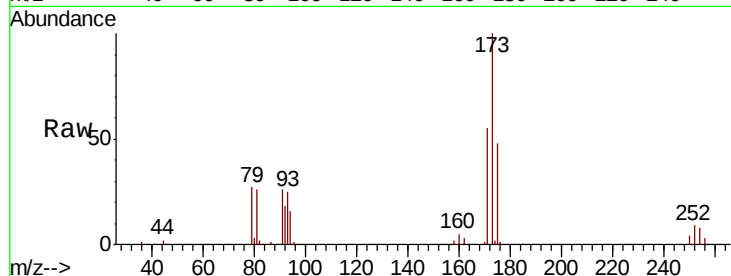
254 0.0 0.1 0.1#

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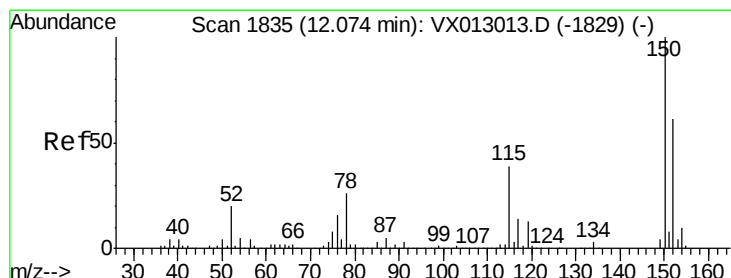
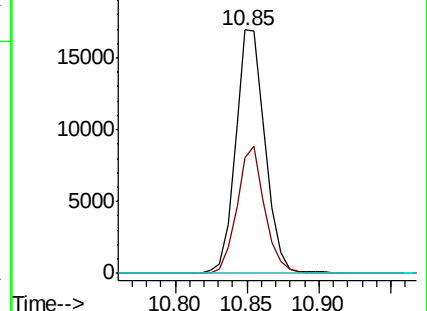
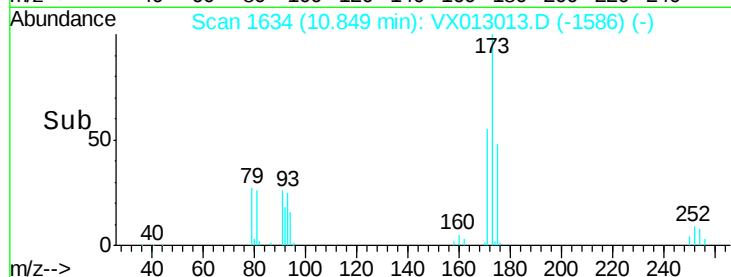
10/14/2019 10:39:30 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

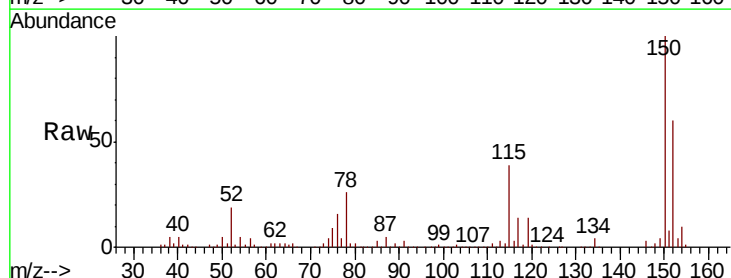
Tgt Ion:152 Resp: 114054

Ion Ratio Lower Upper

152 100

115 75.4 44.5 133.5

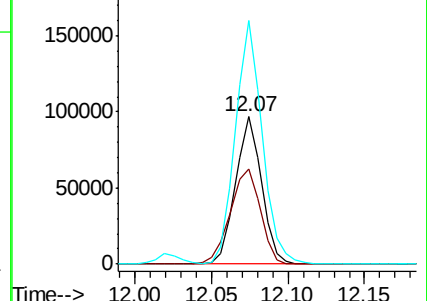
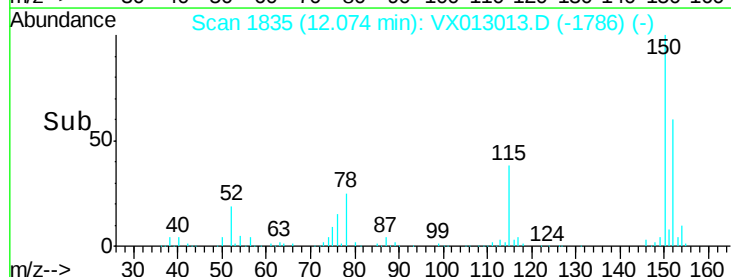
150 170.4 0.0 353.4

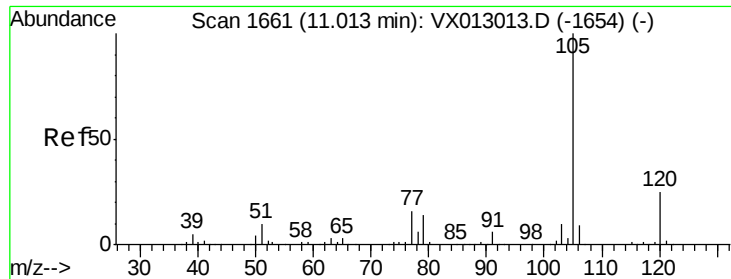


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.826 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion: 105 Resp: 183018

Ion Ratio Lower Upper

105 100

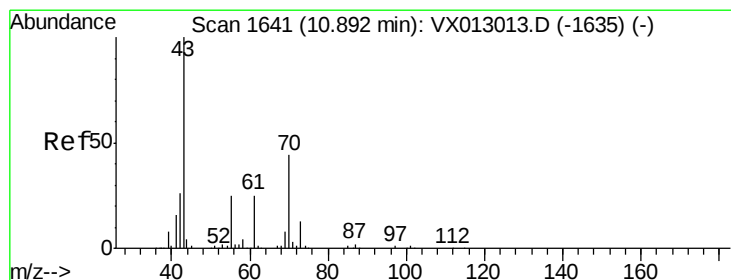
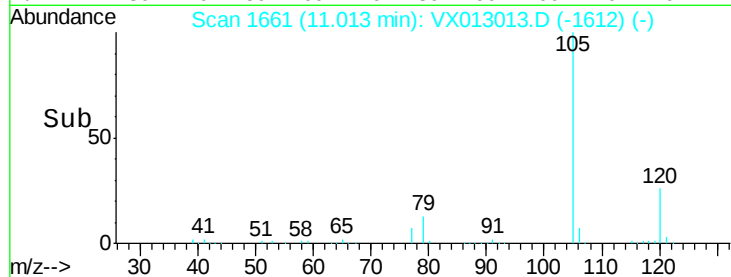
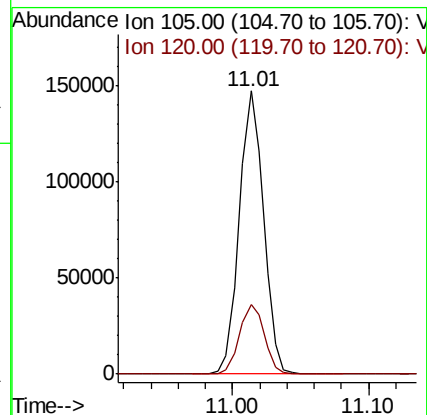
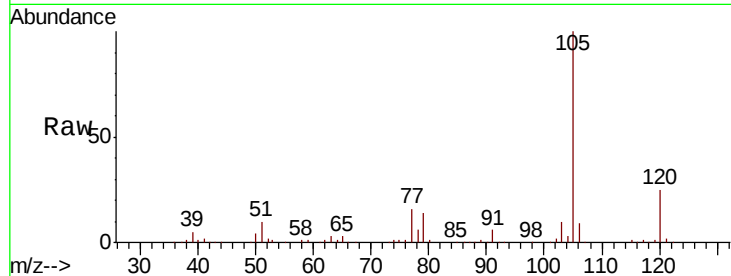
120 25.2 13.0 39.0

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#74

N-ethyl acetate

Concen: 20.779 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Tgt Ion: 43 Resp: 75042

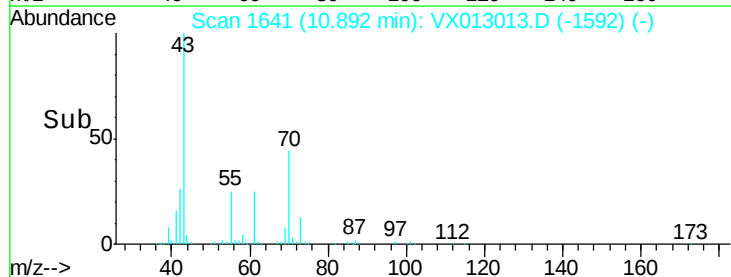
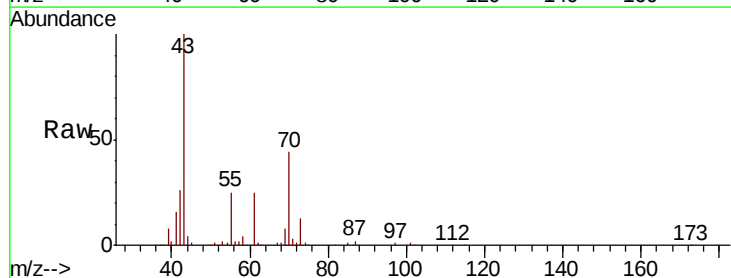
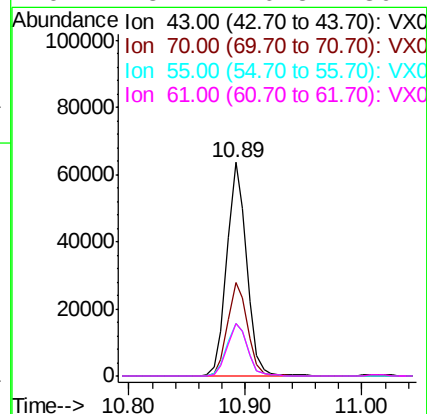
Ion Ratio Lower Upper

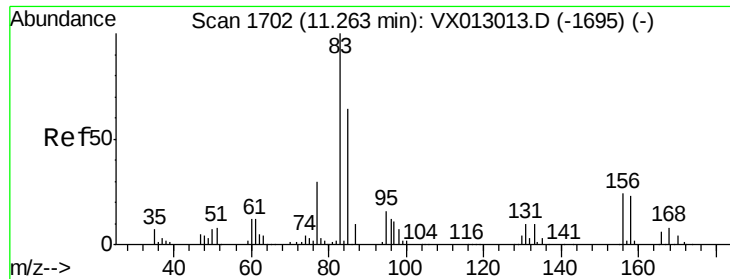
43 100

70 44.3 36.4 54.6

55 25.9 20.2 30.2

61 25.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.385 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

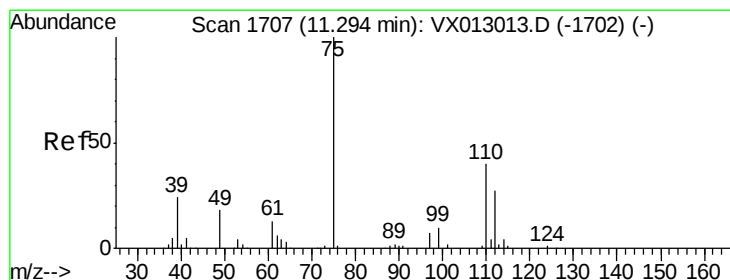
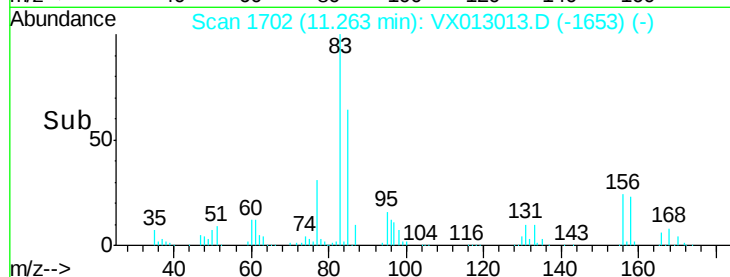
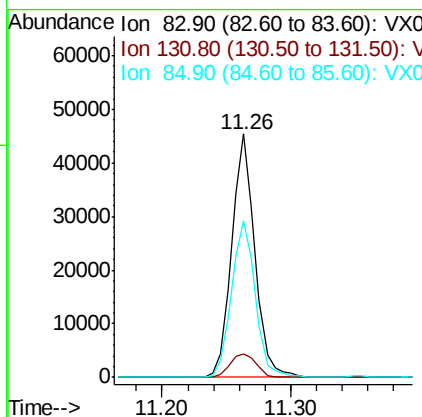
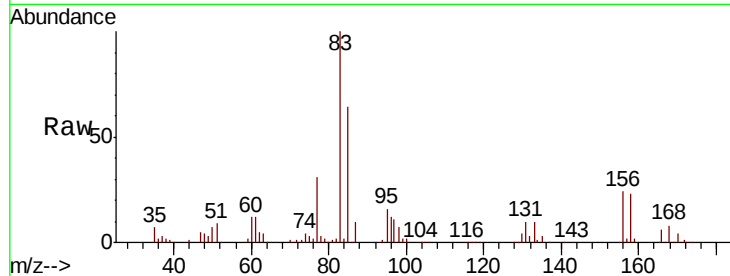
ClientSampleId :

VX1011WBS01

Tot Ion:	83	Resp:	56853
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.1	15.3
85	66.6	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.564 ug/l m

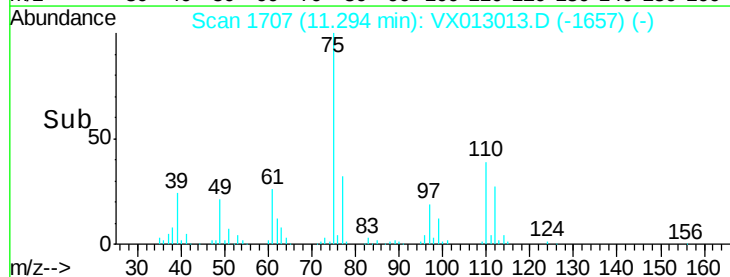
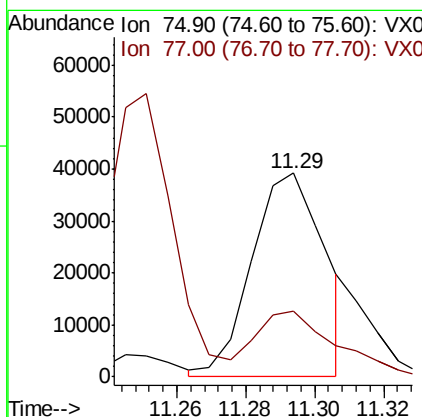
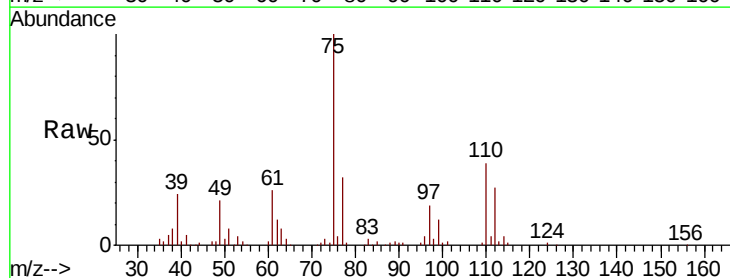
RT: 11.29 min Scan# 1707

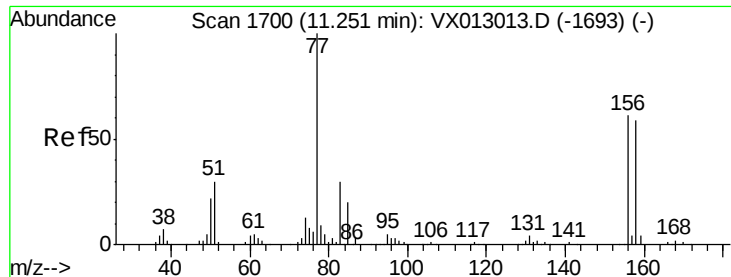
Delta R.T. 0.01 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Tgt Ion:	75	Resp:	57080
Ion Ratio	Lower	Upper	
75	100		
77	35.7	22.9	68.8





#77

Bromobenzene

Concen: 21.436 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion:156 Resp: 42358

Ion Ratio Lower Upper

156 100

77 172.1 83.7 251.0

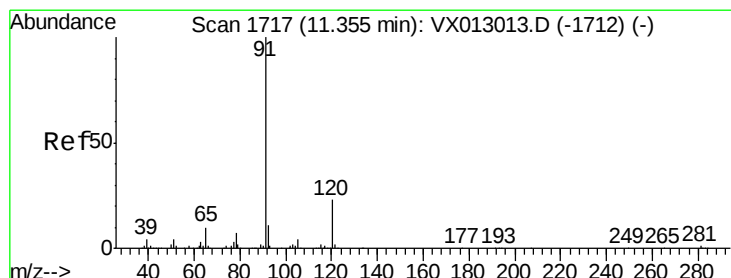
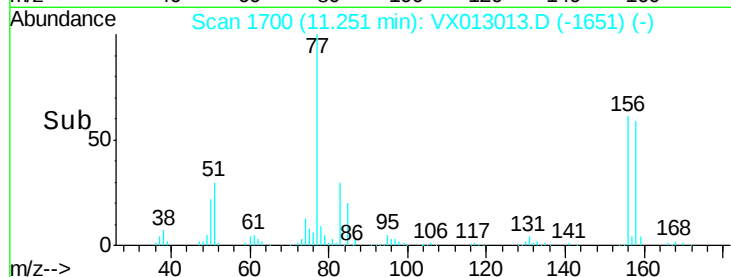
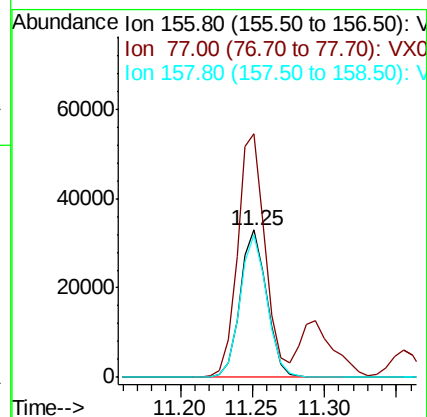
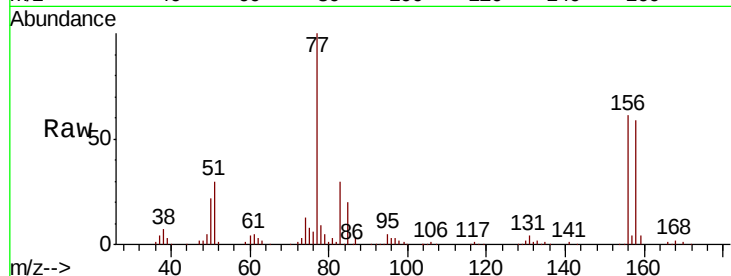
158 97.4 48.6 145.9

Manual Integrations

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MMDadoda

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#78

n-propylbenzene

Concen: 21.646 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013013.D

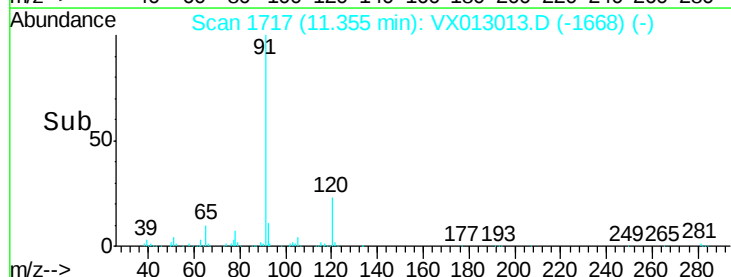
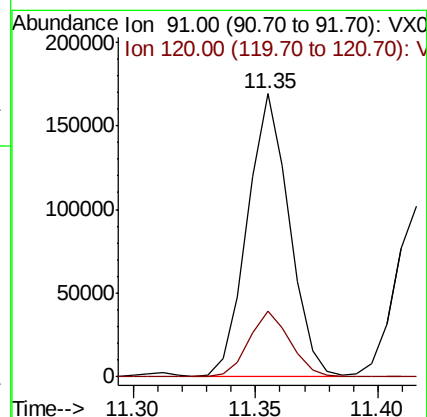
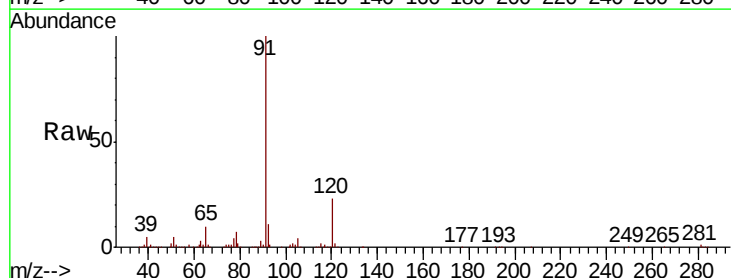
Acq: 11 Oct 2019 14:00

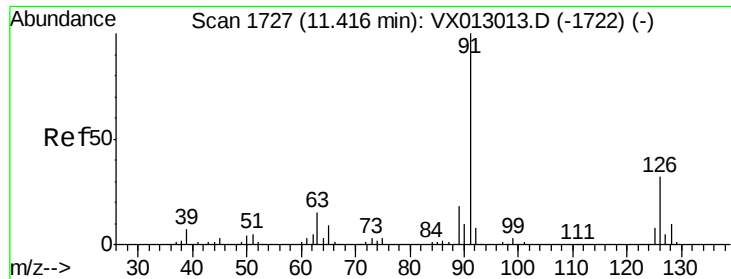
Tgt Ion: 91 Resp: 199735

Ion Ratio Lower Upper

91 100

120 22.8 11.7 35.1





#79

2-Chlorotoluene

Concen: 21.745 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion: 91 Resp: 126100

Ion Ratio Lower Upper

91 100

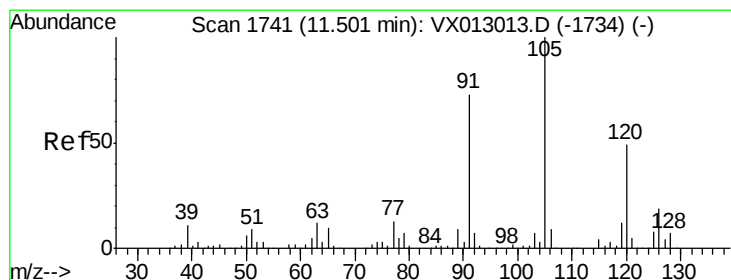
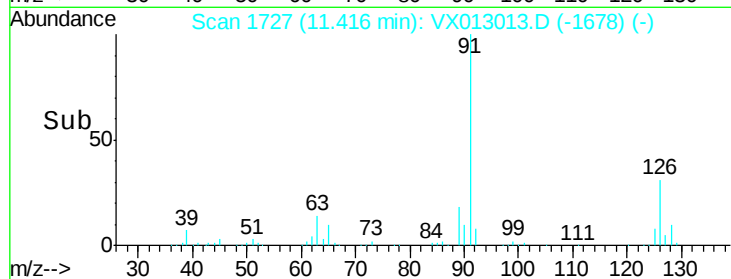
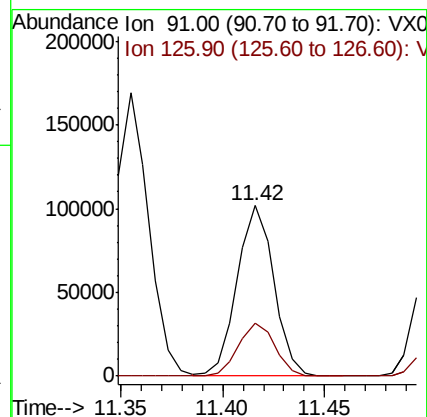
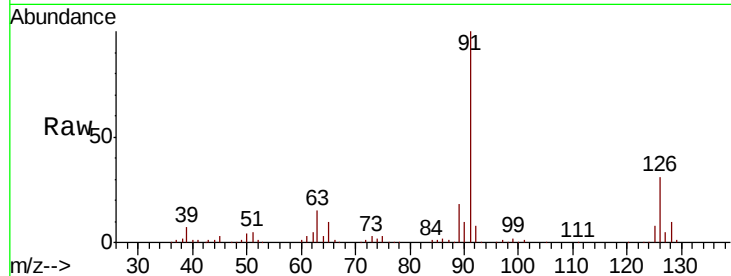
126 31.7 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.020 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013013.D

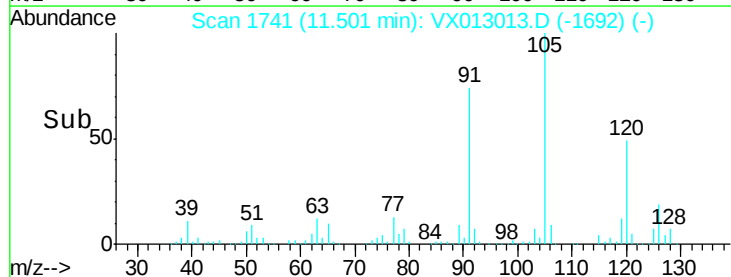
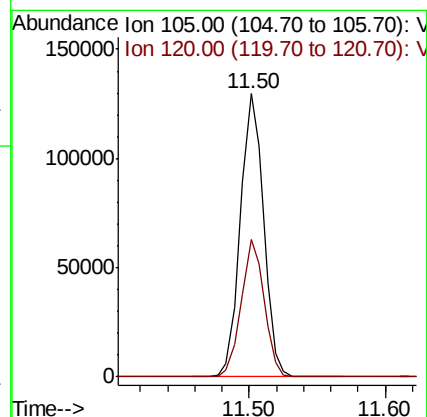
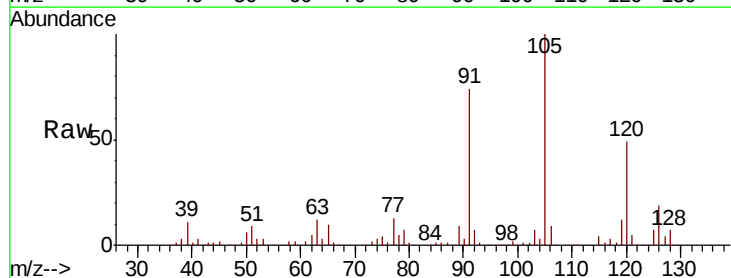
Acq: 11 Oct 2019 14:00

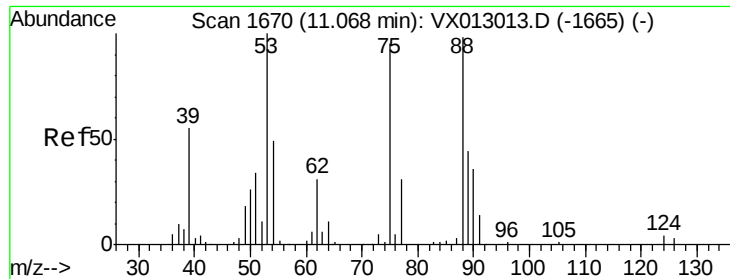
Tgt Ion: 105 Resp: 154184

Ion Ratio Lower Upper

105 100

120 47.9 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.676 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013013.D

Acq: 11 Oct 2019 14:00

Instrument :

MSVOA_X

ClientSampleId :

VX1011WBS01

Tot Ion: 75 Resp: 15632

Ion Ratio Lower Upper

75 100

53 107.2 78.5 117.7

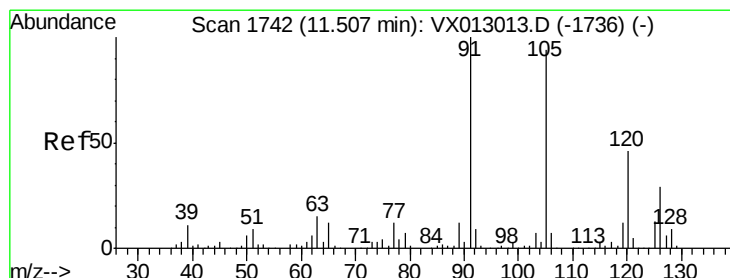
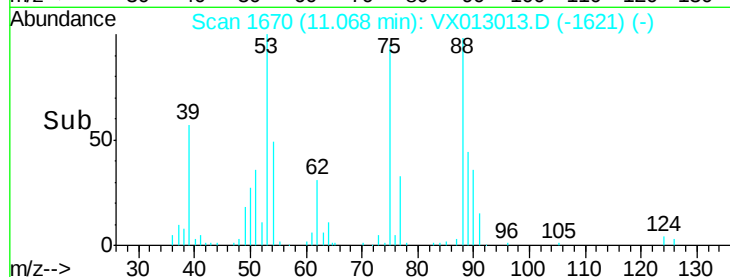
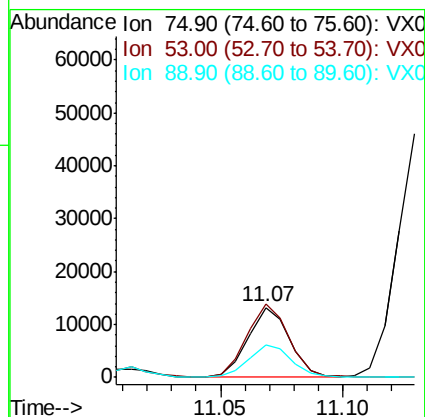
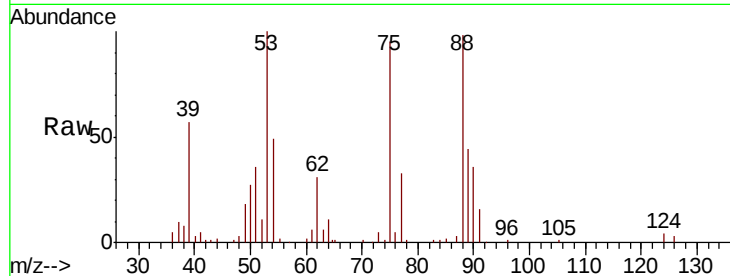
89 47.7 37.4 56.2

Manual Integrations

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#82

4-Chlorotoluene

Concen: 21.300 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013013.D

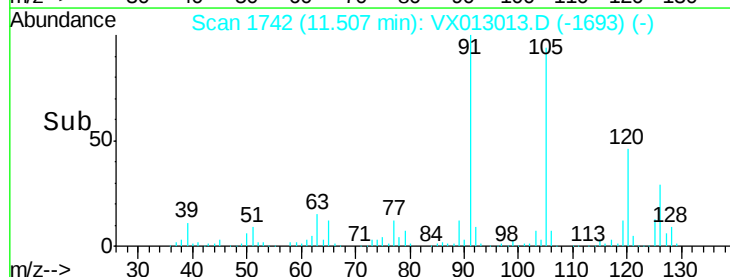
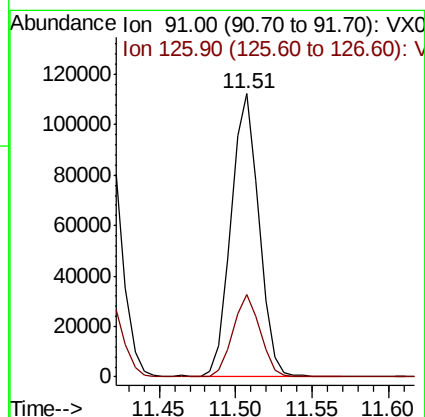
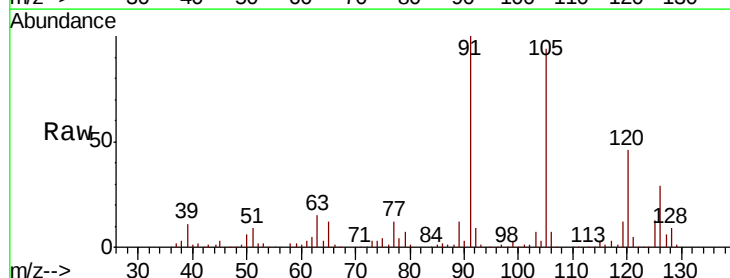
Acq: 11 Oct 2019 14:00

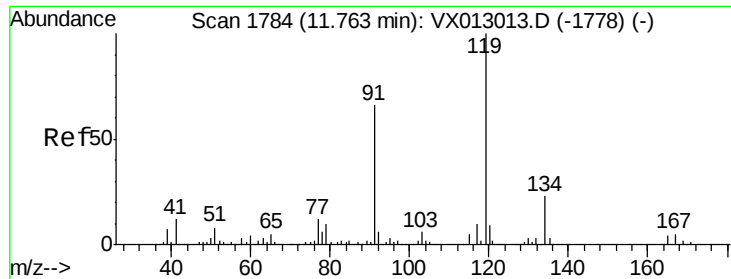
Tgt Ion: 91 Resp: 141574

Ion Ratio Lower Upper

91 100

126 28.3 14.2 42.6





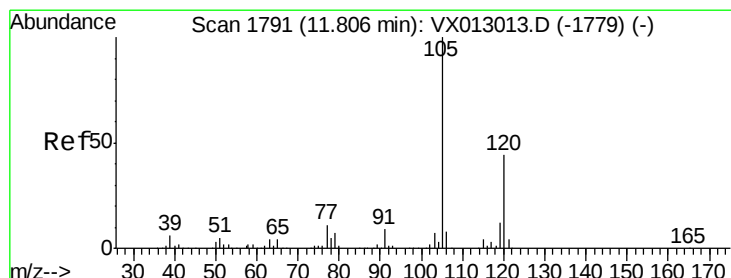
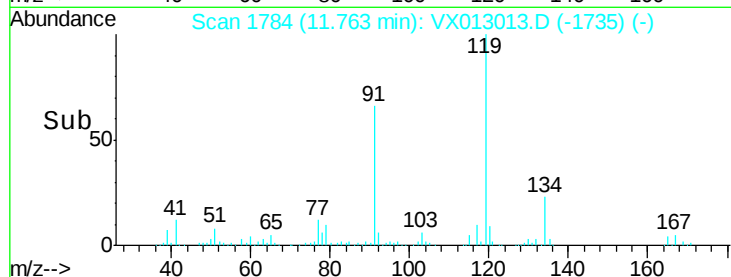
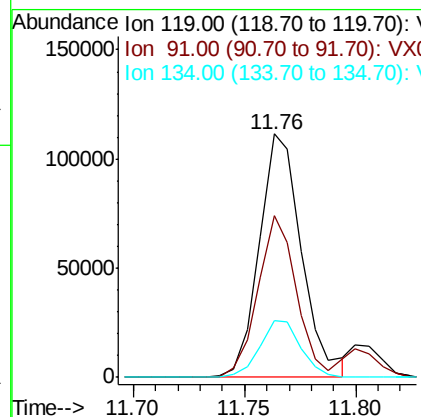
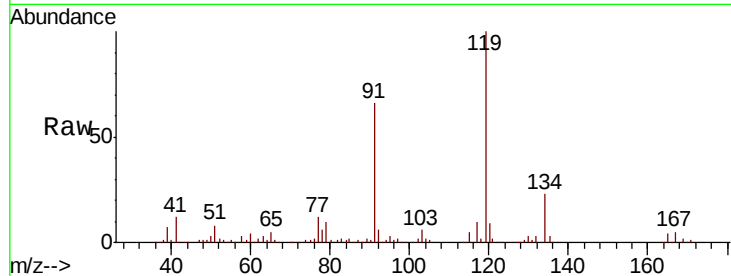
#83
tert-Butylbenzene
Concen: 21.633 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	147762		
91	60.2	29.3	87.9	
134	22.6	11.5	34.4	

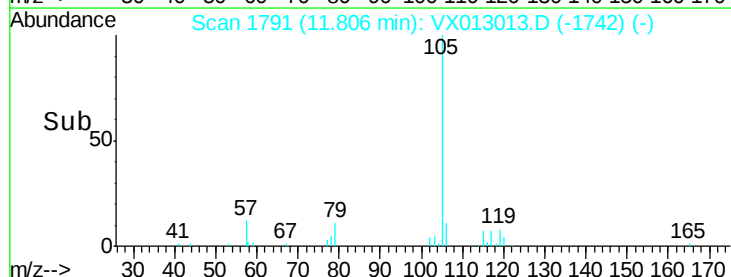
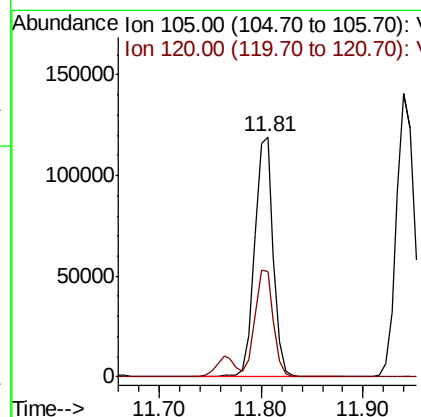
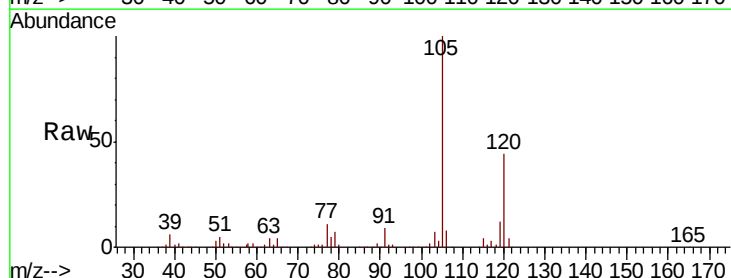
Manual Integrations
APPROVED

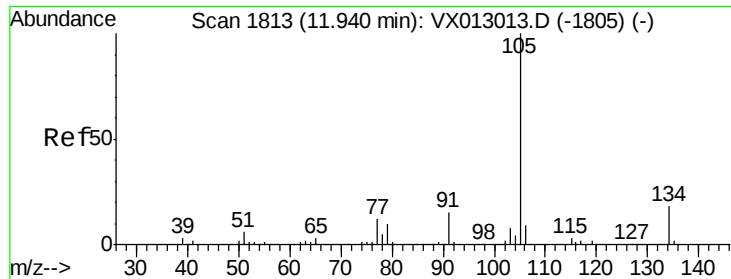
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#84
1,2,4-Trimethylbenzene
Concen: 21.456 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	152154		
120	44.1	21.8	65.3	





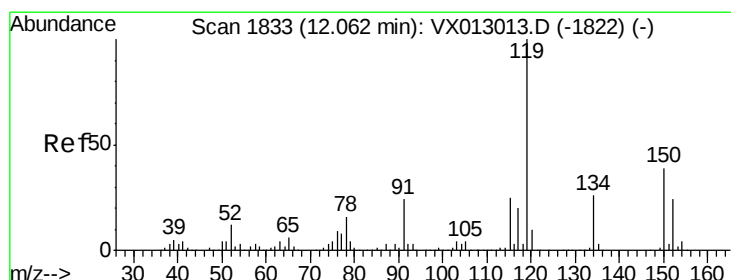
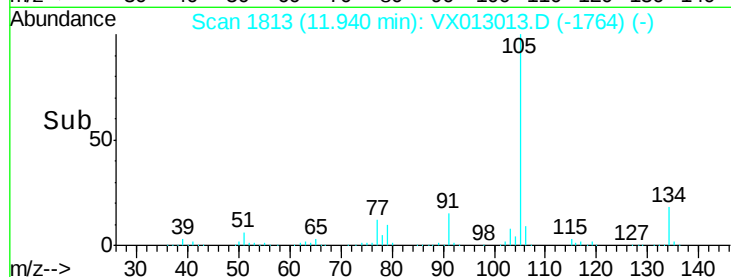
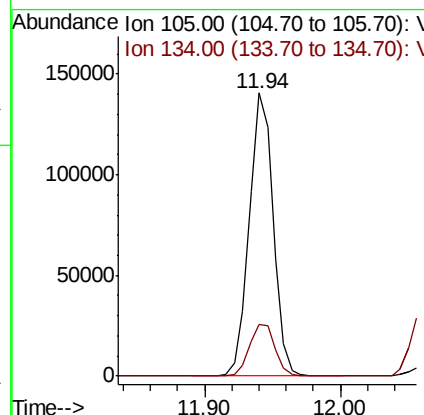
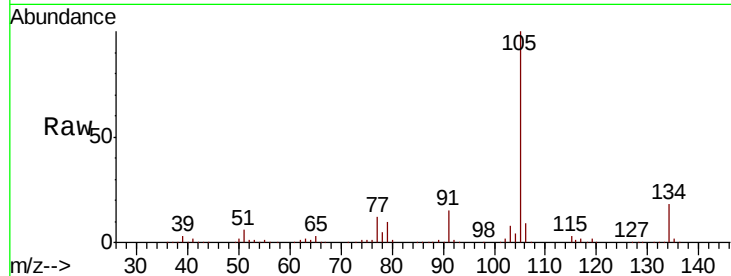
#85
 sec-Butylbenzene
 Concen: 21.917 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion:105 Resp: 173431
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.0 30.0

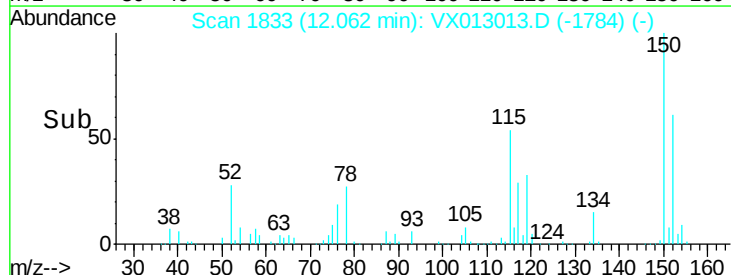
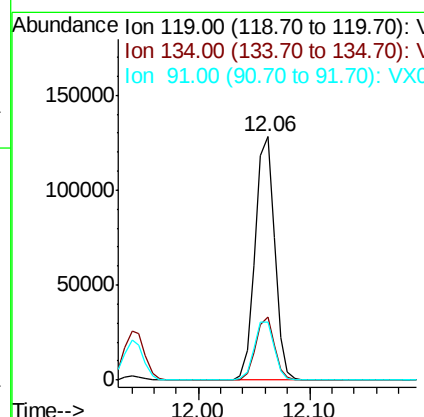
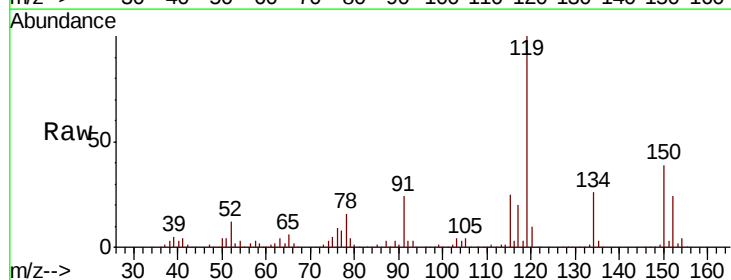
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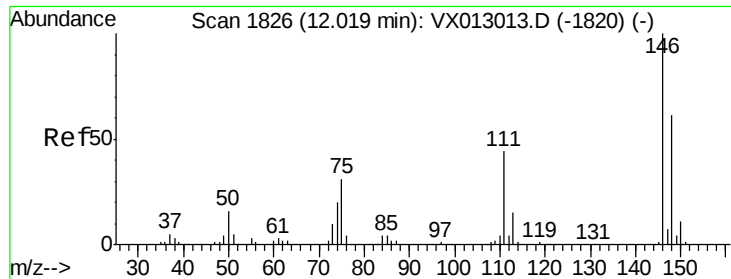
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#86
 p-Isopropyltoluene
 Concen: 21.360 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Tgt Ion:119 Resp: 156761
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.6 37.8
 91 24.7 12.4 37.4





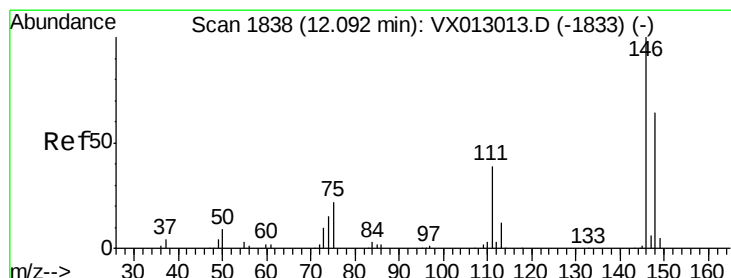
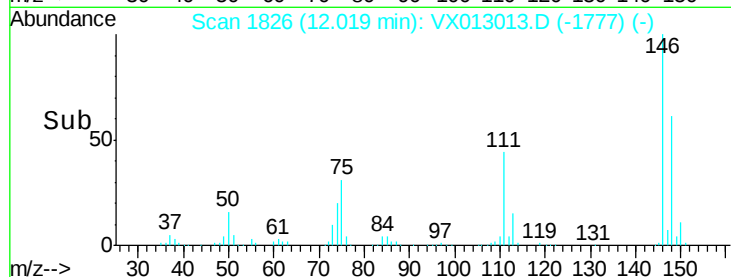
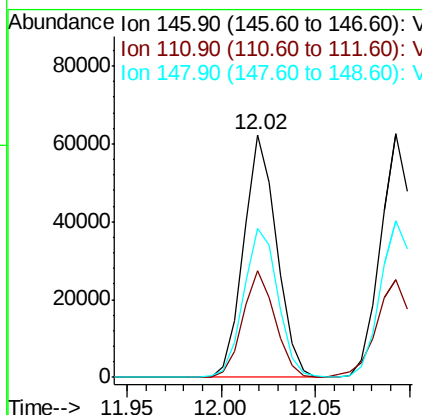
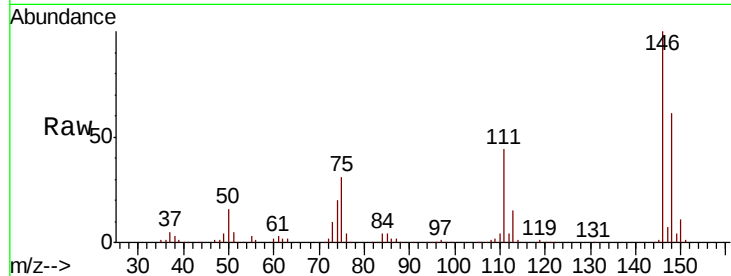
#87
 1,3-Dichlorobenzene
 Concen: 20.687 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	63.6	31.6	95.0

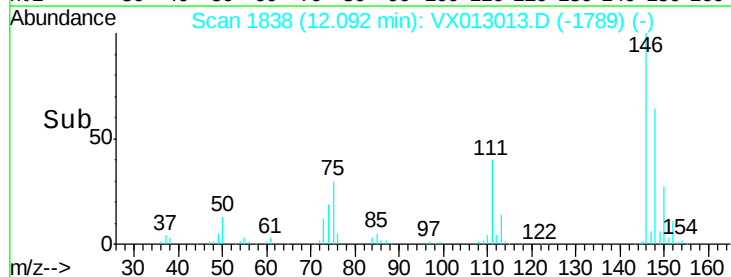
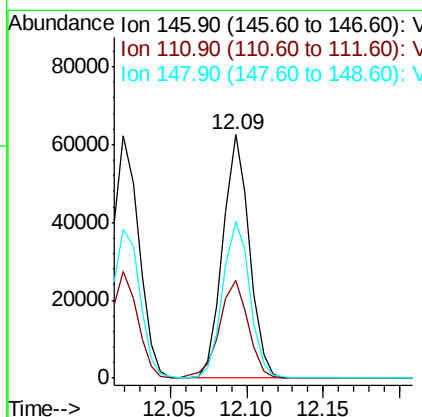
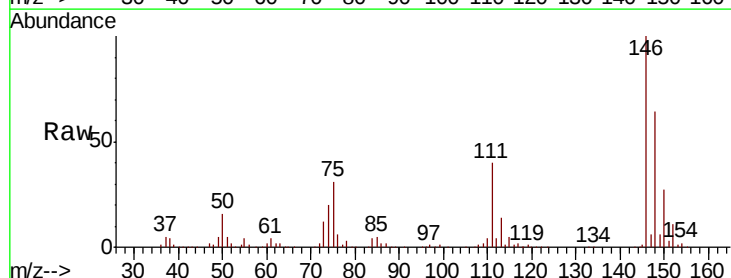
Manual Integrations
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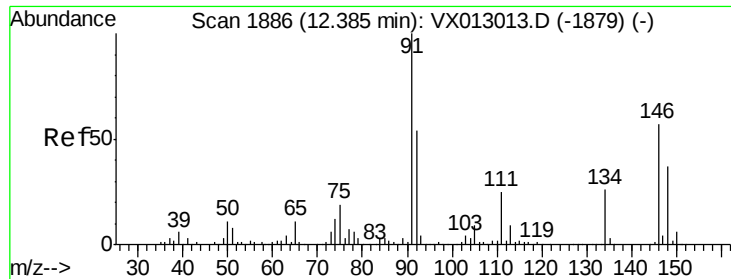
MMDadoda
 10/14/2019 10:39:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.238 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.4	64.3
148	65.8	32.1	96.5





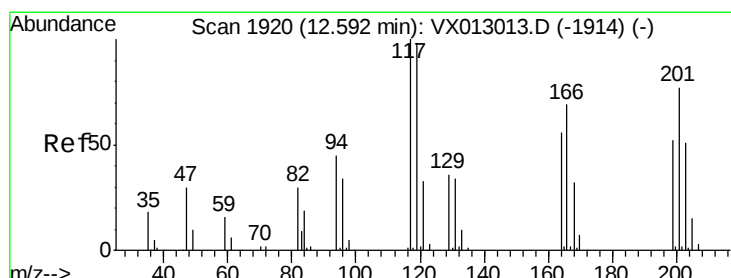
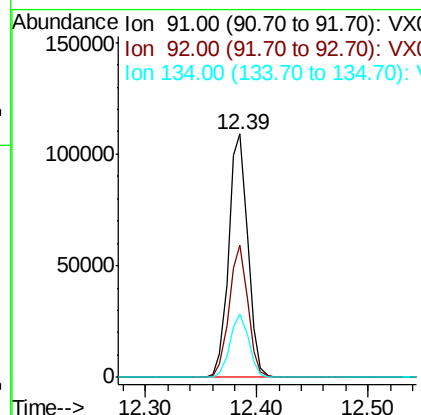
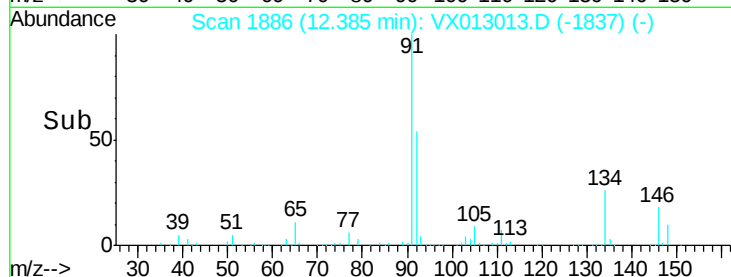
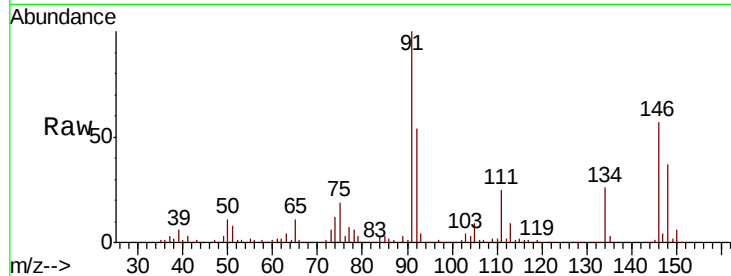
#89
n-Butylbenzene
Concen: 20.946 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.5	82.5
134	25.5	12.9	38.7

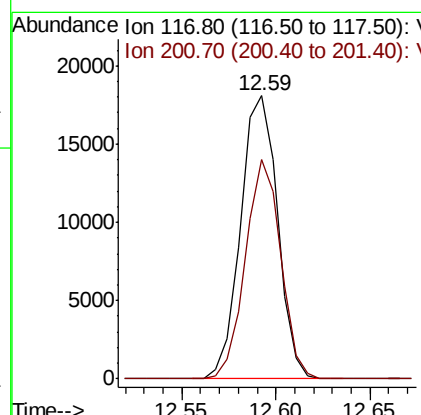
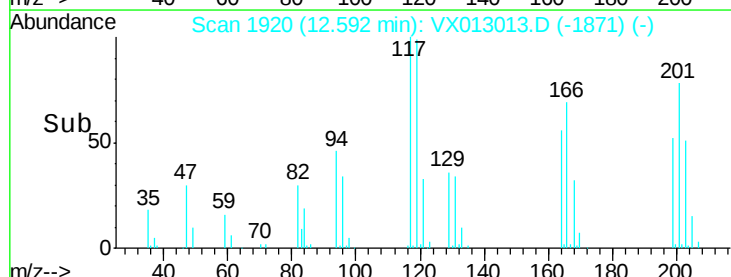
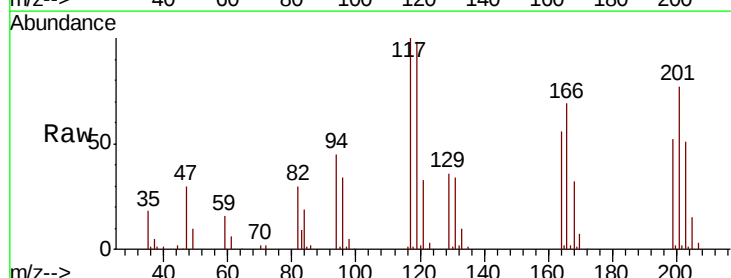
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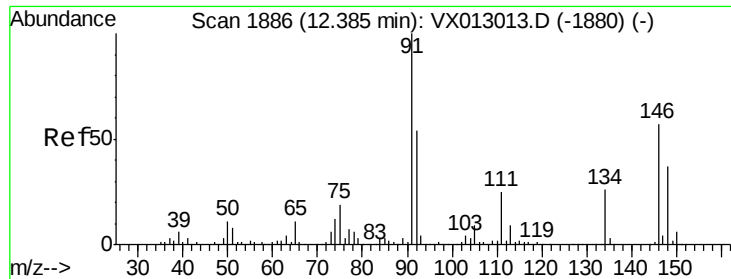
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#90
Hexachloroethane
Concen: 19.463 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.1	36.9	110.7





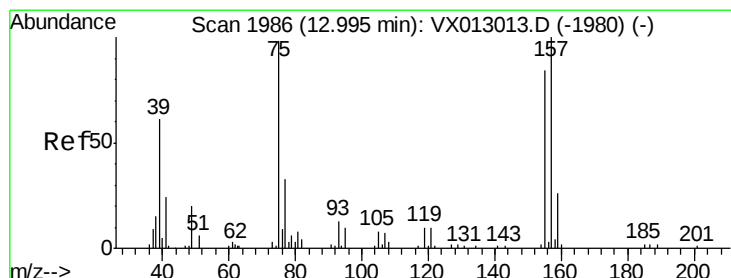
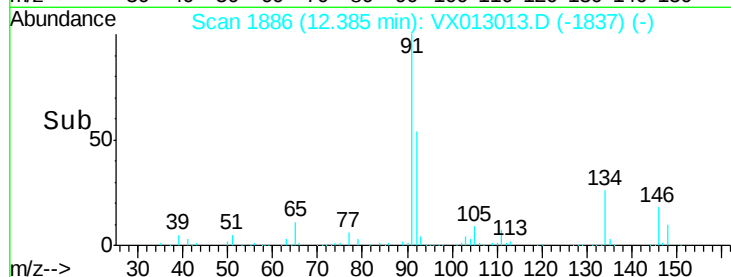
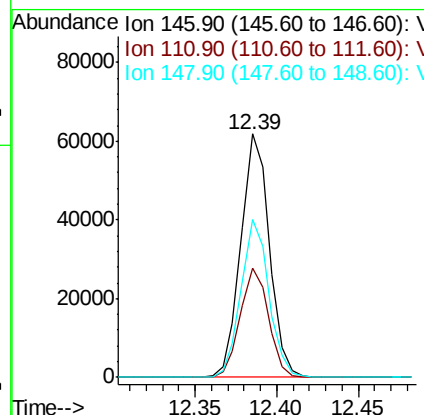
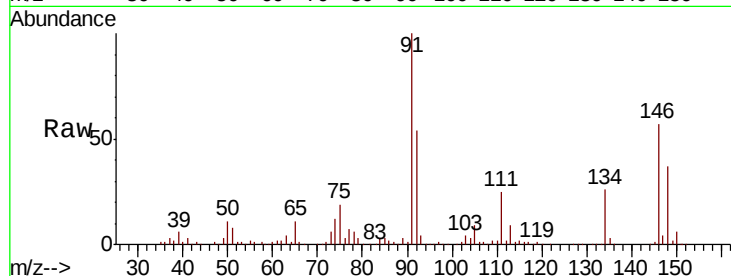
#91
 1,2-Dichlorobenzene
 Concen: 21.040 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.7	68.0
148	63.3	31.6	94.7

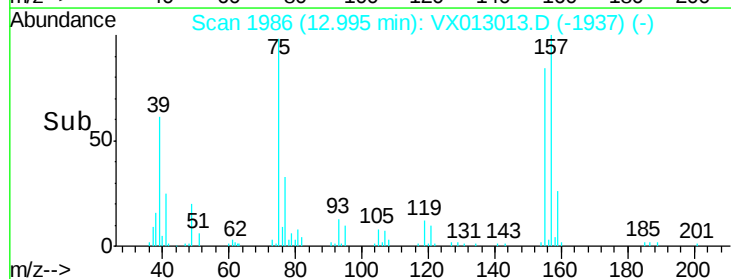
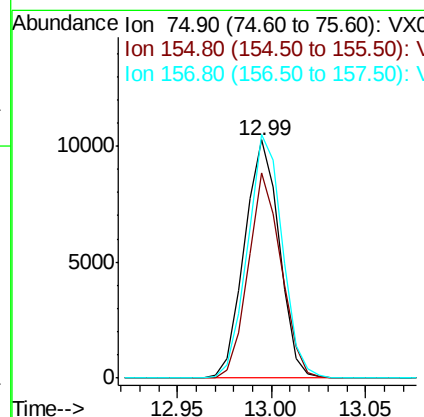
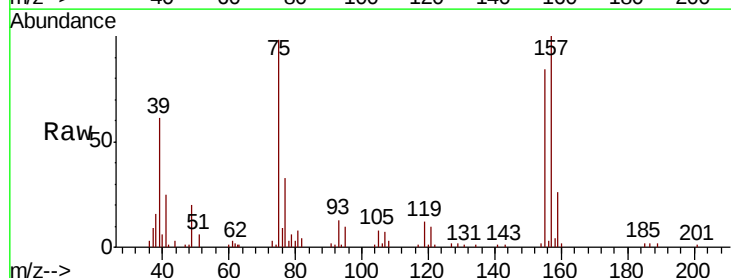
Manual Integrations
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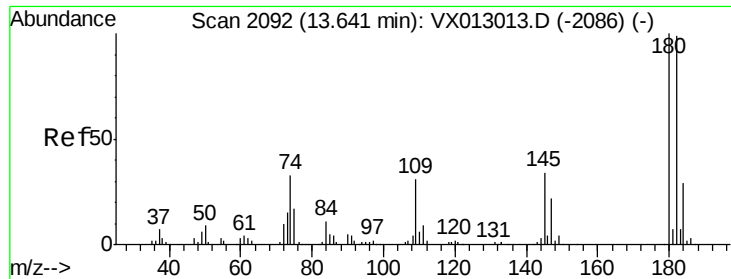
MMDadoda
 10/14/2019 10:39:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.087 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	43.0	128.8
157	102.0	54.1	162.3





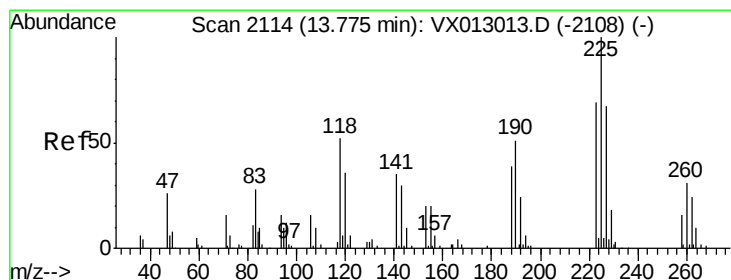
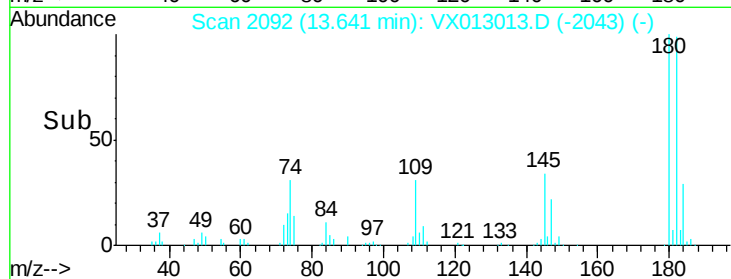
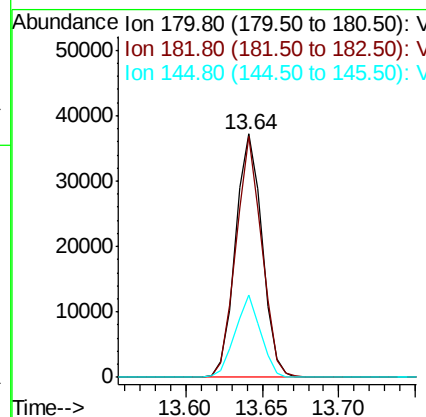
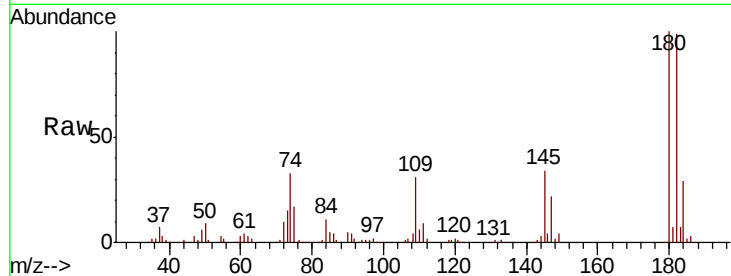
#93
 1,2,4-Trichlorobenzene
 Concen: 19.917 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1011WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.8	140.4
145	32.4	16.2	48.6

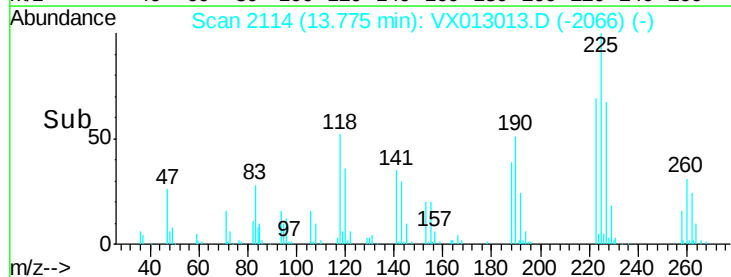
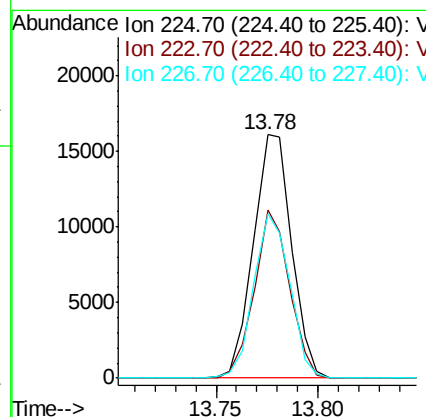
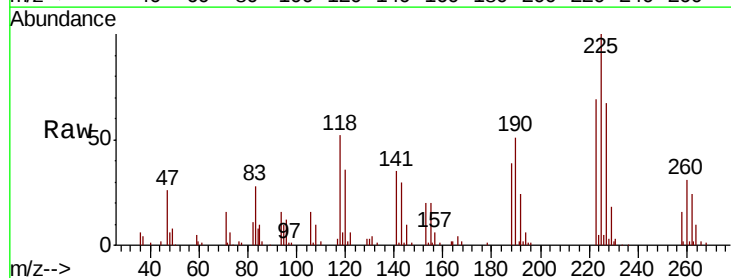
Manual Integrations
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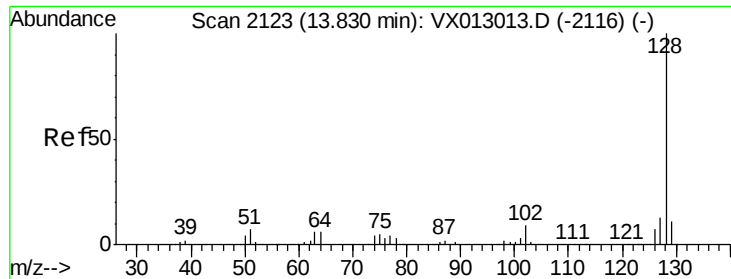
MMDadoda
 10/14/2019 10:39:30 AM



#94
 Hexachlorobutadiene
 Concen: 20.281 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX013013.D
 Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.2
227	63.3	32.3	96.9





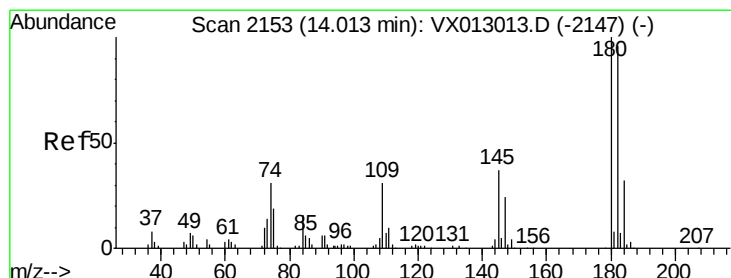
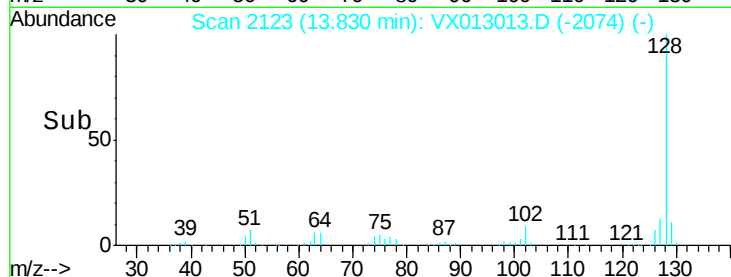
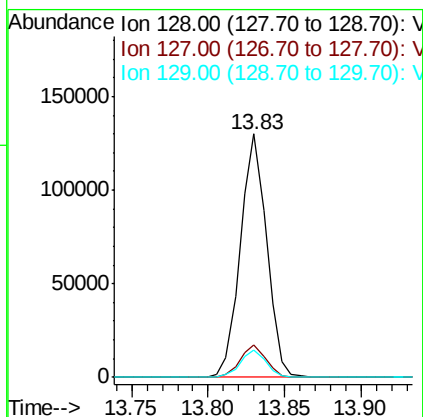
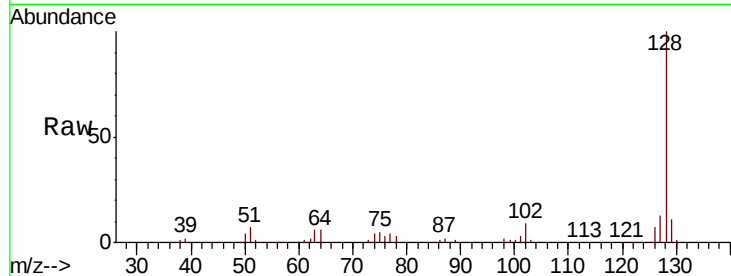
#95
Naphthalene
Concen: 19.834 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Instrument :
MSVOA_X
ClientSampleId :
VX1011WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.8	13.2

Manual Integrations
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10/14/2019 10:39:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.578 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013013.D
Acq: 11 Oct 2019 14:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.5
145	34.7	17.4	52.3

