

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091119\
 Data File : VX012318.D
 Acq On : 11 Sep 2019 23:29
 Operator : SY/SP
 Sample : VX0911SBSD02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:26:50 AM

Quant Time: Sep 12 07:00:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	123941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	224120	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	209039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	87420	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	5.48	113	69257	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	8.71	98	257873	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	11.14	95	108606	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	21100	20.823	ug/l	95
3) Chloromethane	1.31	50	21311	23.331	ug/l	97
4) Vinyl Chloride	1.40	62	20108	22.202	ug/l	94
5) Bromomethane	1.62	94	9186	22.475	ug/l	99
6) Chloroethane	1.70	64	13140	21.697	ug/l	99
7) Trichlorofluoromethane	1.91	101	34358	20.962	ug/l	100
8) Diethyl Ether	2.17	74	12652	22.621	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22919	20.747	ug/l	99
10) Methyl Iodide	2.50	142	16214	15.421	ug/l	95
11) Tert butyl alcohol	3.03	59	19297m	98.097	ug/l	
12) 1,1-Dichloroethene	2.36	96	20536	21.897	ug/l	95
13) Acrolein	2.28	56	8337	91.015	ug/l	92
14) Allyl chloride	2.72	41	39548	20.683	ug/l	99
15) Acrylonitrile	3.13	53	40639	117.543	ug/l	98
16) Acetone	2.44	43	38637	93.142	ug/l	97
17) Carbon Disulfide	2.55	76	39620	20.118	ug/l	99
18) Methyl Acetate	2.76	43	25904	29.710	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	80931	21.851	ug/l	95
20) Methylene Chloride	2.84	84	31903	23.241	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	23910	21.369	ug/l	96
22) Diisopropyl ether	3.84	45	93624	21.410	ug/l	95
23) Vinyl Acetate	3.80	43	270174	100.701	ug/l	100
24) 1,1-Dichloroethane	3.69	63	51326	21.912	ug/l	98
25) 2-Butanone	4.66	43	57264	107.987	ug/l	99
26) 2,2-Dichloropropane	4.57	77	39105	17.782	ug/l	100
27) cis-1,2-Dichloroethene	4.58	96	31675	21.927	ug/l	96
28) Bromochloromethane	5.00	49	21516	19.586	ug/l	98
29) Tetrahydrofuran	5.12	42	34612	120.974	ug/l	100
30) Chloroform	5.19	83	56880	21.535	ug/l	97
31) Cyclohexane	5.56	56	32836	20.181	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	47036	20.739	ug/l	99
36) 1,1-Dichloropropene	5.78	75	32250	19.734	ug/l	94
37) Ethyl Acetate	4.82	43	22211	21.987	ug/l #	93
38) Carbon Tetrachloride	5.77	117	37911	19.773	ug/l	92

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	34848	19.431	ug/l	97
40) Benzene	6.13	78	107321	21.698	ug/l	99
41) Methacrylonitrile	5.03	41	14403	23.127	ug/l	97
42) 1,2-Dichloroethane	6.18	62	40777	20.859	ug/l	100
43) Isopropyl Acetate	6.43	43	45277	21.258	ug/l	98
44) Trichloroethene	7.20	130	28620	21.381	ug/l	96
45) 1,2-Dichloropropane	7.51	63	29298	21.400	ug/l	99
46) Dibromomethane	7.65	93	16304	21.790	ug/l	96
47) Bromodichloromethane	7.89	83	41020	20.089	ug/l	95
48) Methyl methacrylate	7.76	41	22152	21.729	ug/l	99
49) 1,4-Dioxane	7.73	88	6877	499.913	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	127627	113.540	ug/l	99
52) Toluene	8.78	92	68813	21.063	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	38720	18.999	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	44591	19.731	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	25306	21.830	ug/l	99
56) Ethyl methacrylate	9.17	69	33268	21.196	ug/l	99
57) 1,3-Dichloropropane	9.37	76	43504	21.973	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	82657	102.751	ug/l	100
59) 2-Hexanone	9.49	43	87000	111.314	ug/l	100
60) Dibromochloromethane	9.57	129	27657	20.437	ug/l	98
61) 1,2-Dibromoethane	9.67	107	23682	21.947	ug/l	98
64) Tetrachloroethene	9.33	164	26313	23.801	ug/l	97
65) Chlorobenzene	10.14	112	80788	21.151	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	30619	21.266	ug/l	98
67) Ethyl Benzene	10.25	91	140525	20.686	ug/l	94
68) m/p-Xylenes	10.36	106	107775	43.098	ug/l	99
69) o-Xylene	10.70	106	51457	21.005	ug/l	100
70) Styrene	10.71	104	90439	20.817	ug/l	99
71) Bromoform	10.85	173	15131	20.266	ug/l #	98
73) Isopropylbenzene	11.01	105	140153	19.806	ug/l	100
74) N-amyl acetate	10.89	43	40034	19.027	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	32147	21.153	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	28205m	20.426	ug/l	
77) Bromobenzene	11.25	156	34535	21.197	ug/l	97
78) n-propylbenzene	11.35	91	169767	19.866	ug/l	99
79) 2-Chlorotoluene	11.42	91	107839	20.369	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	127646	20.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	7867	17.070	ug/l	94
82) 4-Chlorotoluene	11.51	91	130152	20.456	ug/l	100
83) tert-Butylbenzene	11.77	119	120447	19.492	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	133121	20.236	ug/l	99
85) sec-Butylbenzene	11.94	105	146533	19.874	ug/l	100
86) p-Isopropyltoluene	12.06	119	134391	19.727	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	68005	20.491	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	69708	20.771	ug/l	99
89) n-Butylbenzene	12.39	91	131395	19.678	ug/l	99
90) Hexachloroethane	12.59	117	22601	18.012	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	63619	20.722	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6356	20.490	ug/l	96

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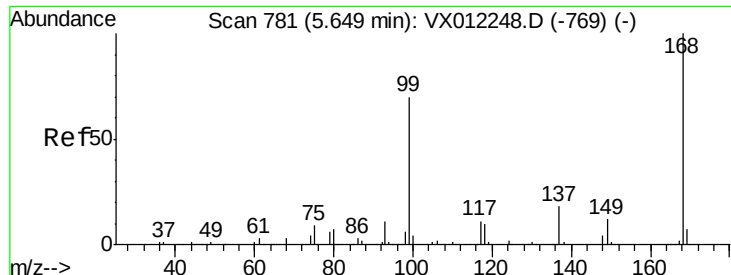
Manual Integrations
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9/12/2019 9:26:50 AM

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	42952	20.259	ug/l	98
94) Hexachlorobutadiene	13.78	225	21629	20.507	ug/l	99
95) Naphthalene	13.83	128	96058	21.112	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	39754	21.192	ug/l	98

(#) = 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. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion:168 Resp: 123941

Ion Ratio Lower Upper

168 100

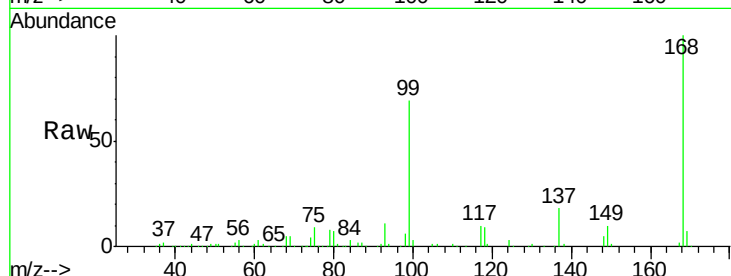
99 68.6 55.8 83.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

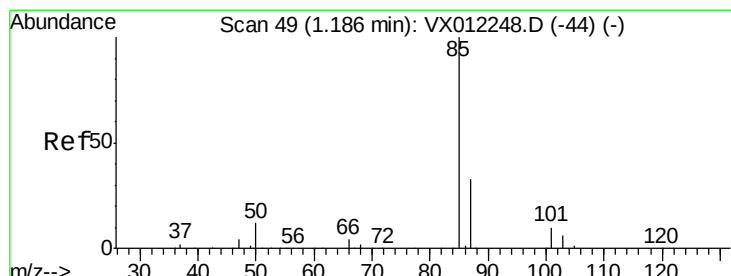
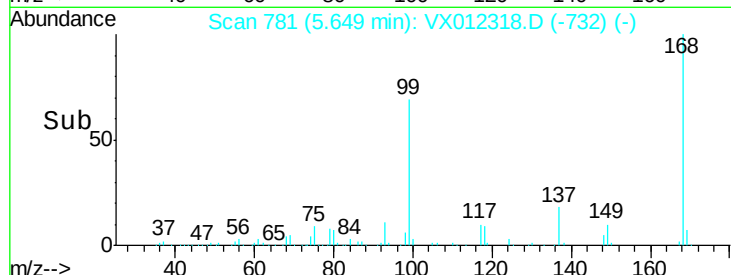
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.823 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012318.D

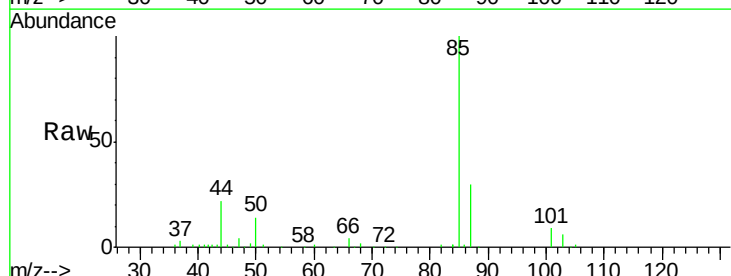
Acq: 11 Sep 2019 23:29

Tgt Ion: 85 Resp: 21100

Ion Ratio Lower Upper

85 100

87 30.2 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

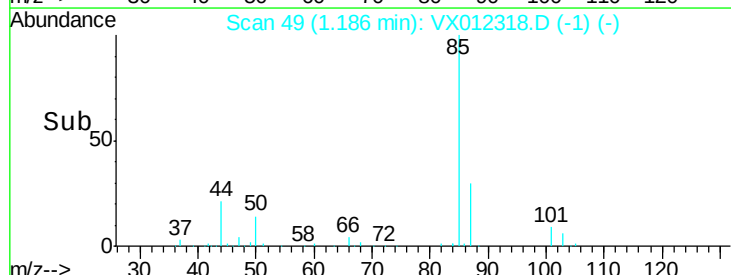
15000

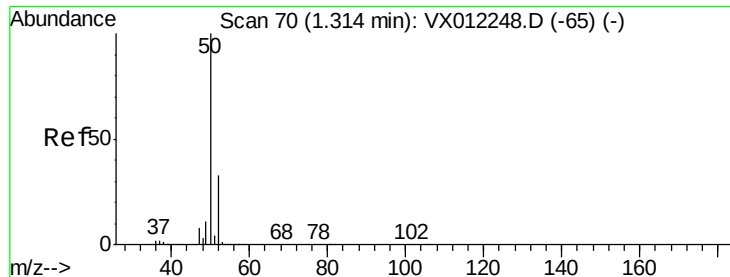
10000

5000

0

Time--> 1.10 1.15 1.20 1.25





#3

Chloromethane

Concen: 23.331 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 50 Resp: 21311

Ion Ratio Lower Upper

50 100

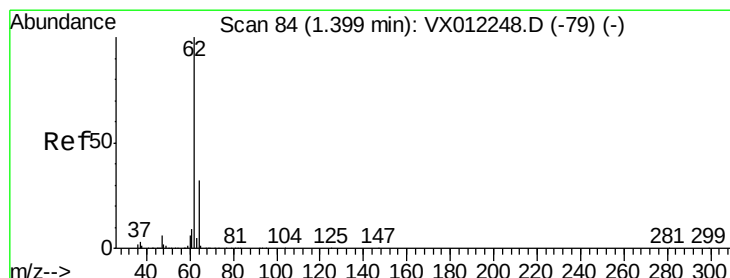
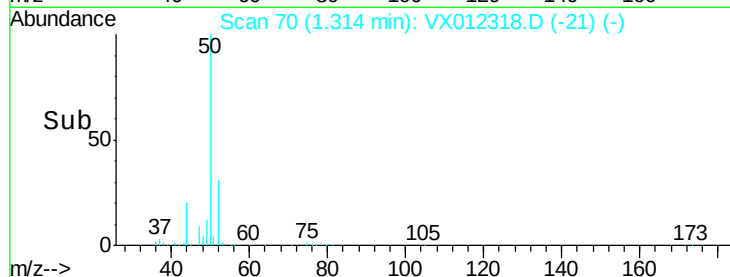
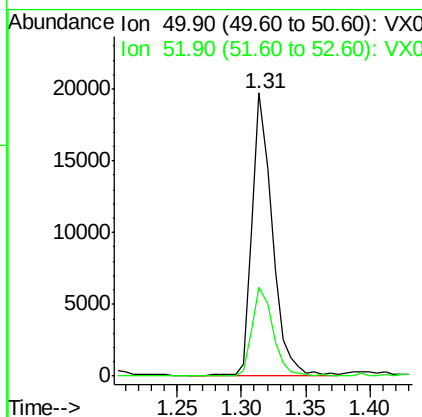
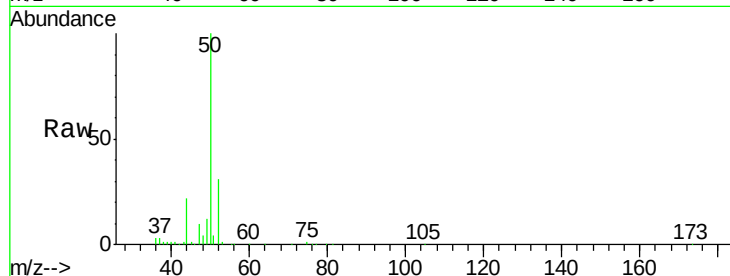
52 31.5 26.7 40.1

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#4

Vinyl Chloride

Concen: 22.202 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012318.D

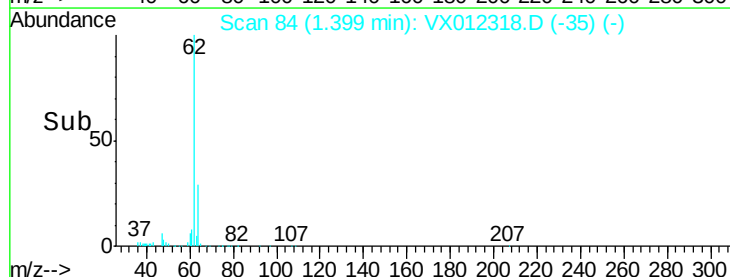
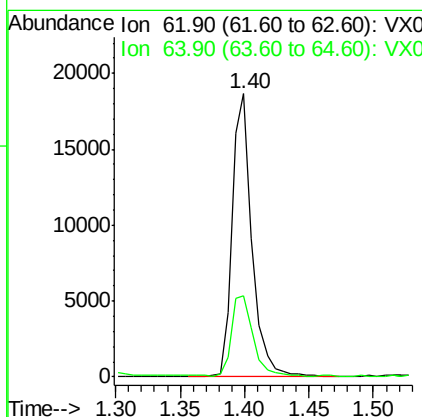
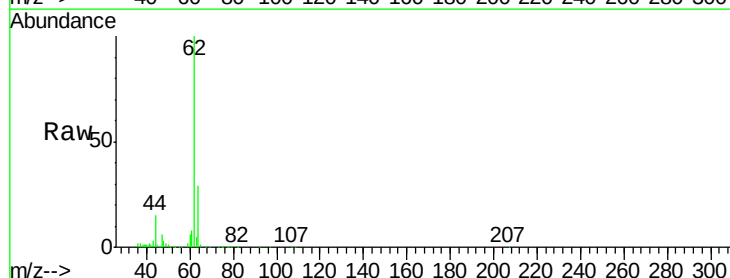
Acq: 11 Sep 2019 23:29

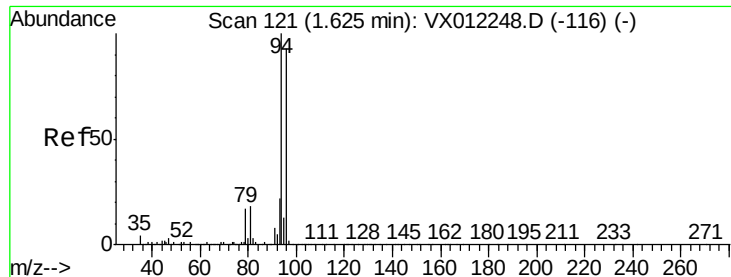
Tgt Ion: 62 Resp: 20108

Ion Ratio Lower Upper

62 100

64 28.5 25.5 38.3





#5

Bromomethane

Concen: 22.475 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBSD02

Tot Ion: 94 Resp: 9186

Ion Ratio Lower Upper

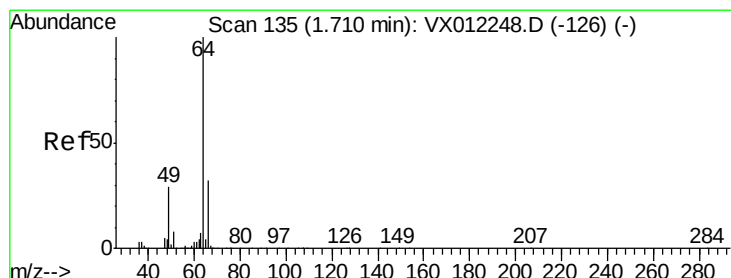
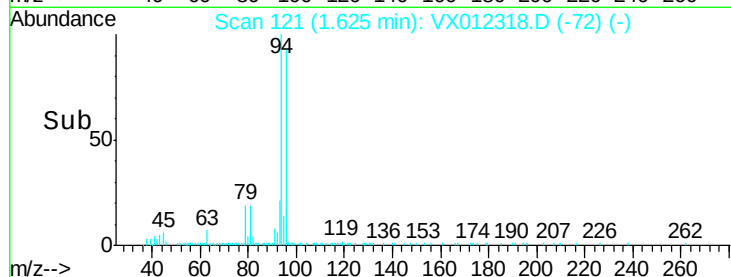
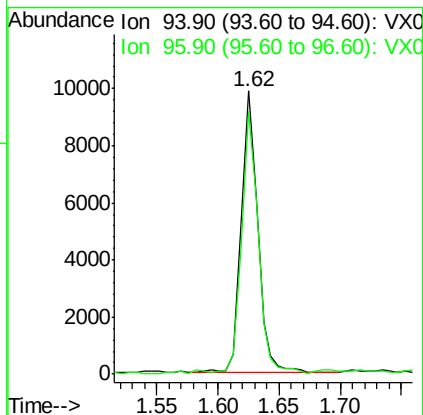
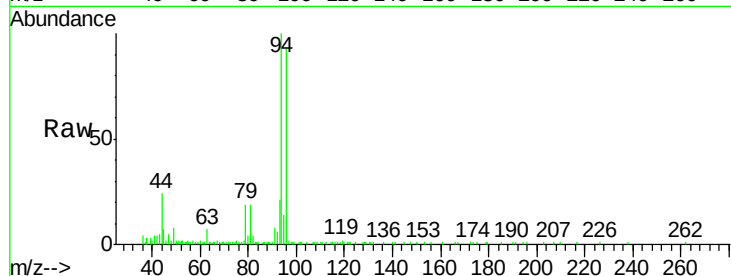
94 100

96 93.4 74.0 111.0

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#6

Chloroethane

Concen: 21.697 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012318.D

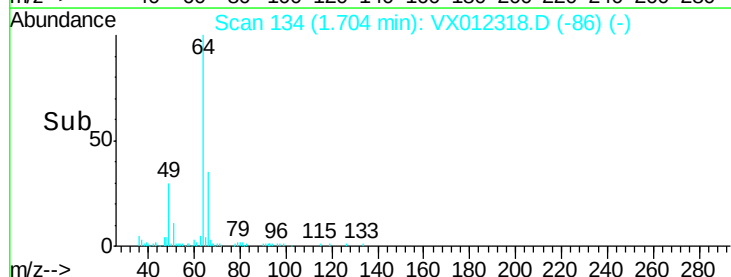
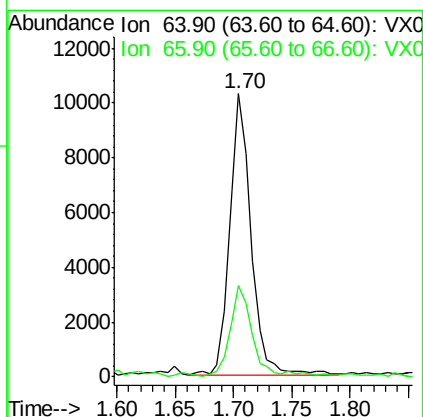
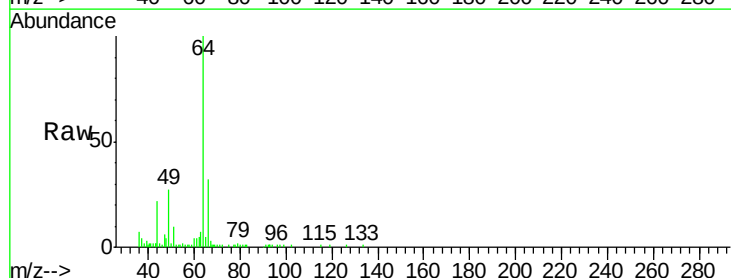
Acq: 11 Sep 2019 23:29

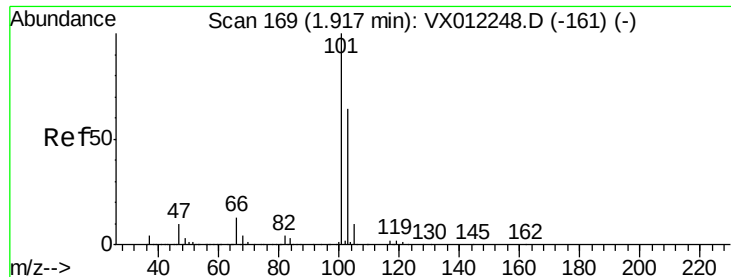
Tgt Ion: 64 Resp: 13140

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.6





#7

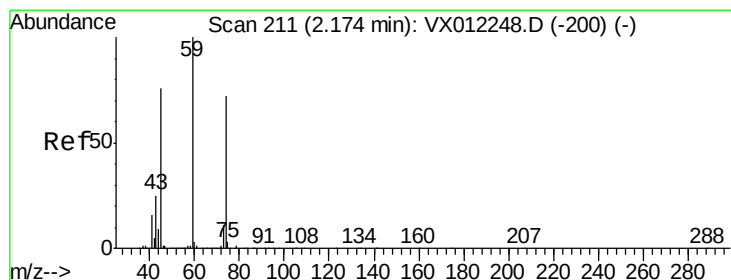
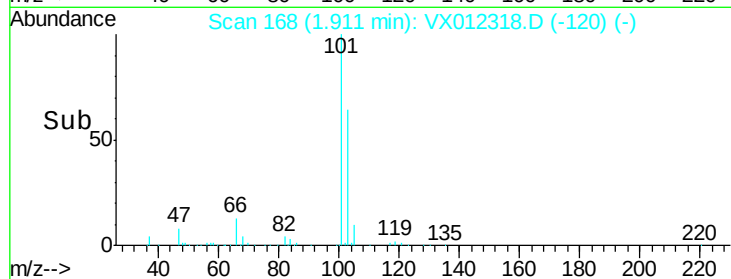
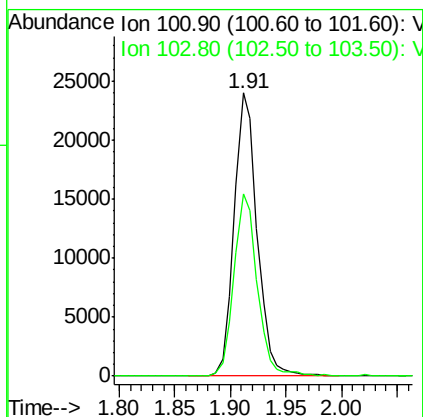
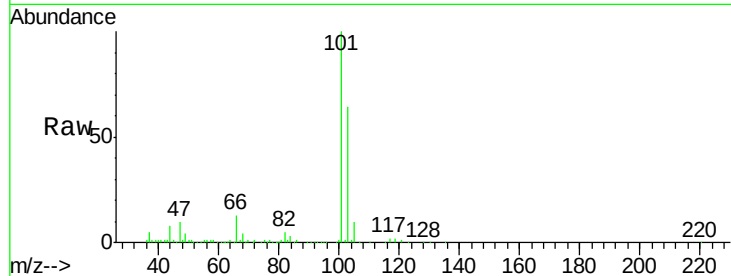
Trichlorofluoromethane
 Concen: 20.962 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Instrument :
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 ClientSampleId :
 VX0911SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

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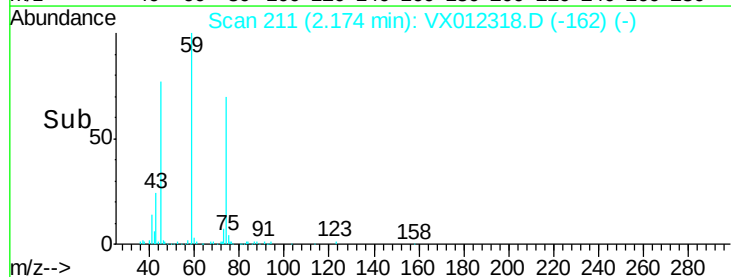
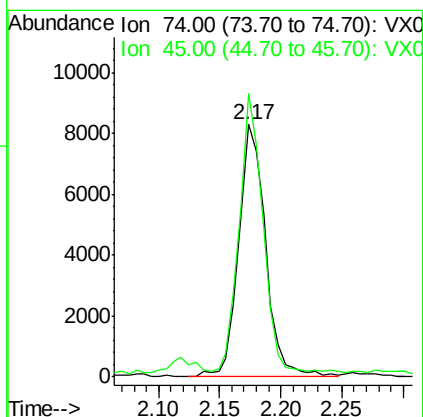
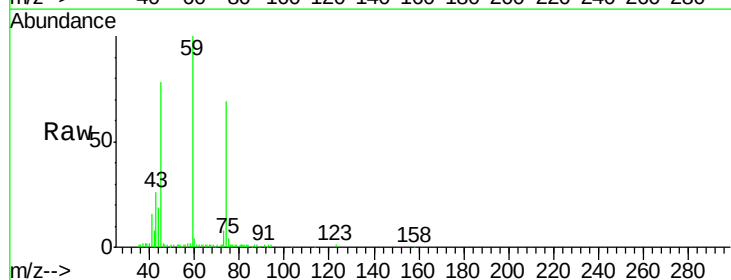
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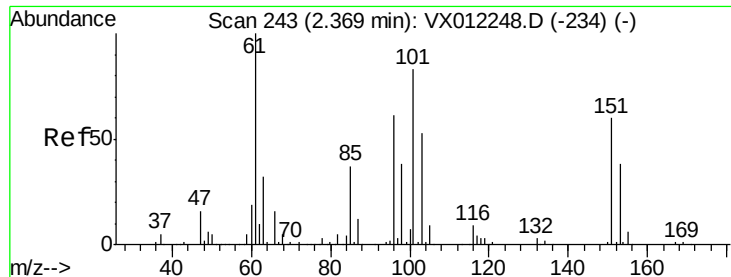


#8

Diethyl Ether
 Concen: 22.621 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.747 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

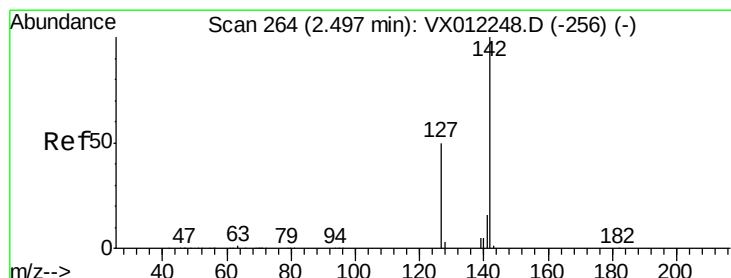
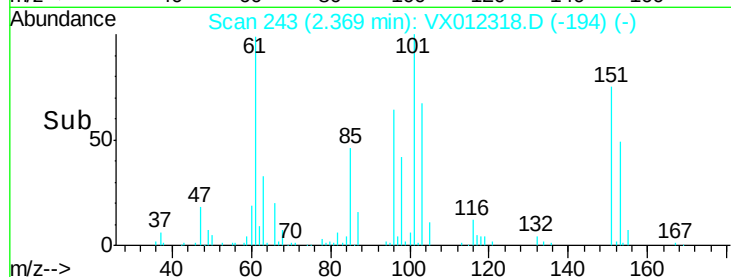
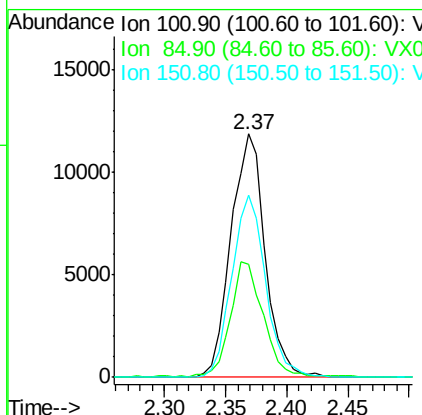
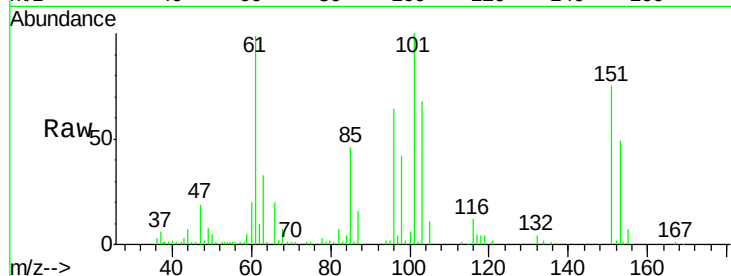
ClientSampleId :

VX0911SBSD02

Tot Ion:	101	Resp:	22919
Ion Ratio	Lower	Upper	
101	100		
85	46.2	37.0	55.6
151	74.4	58.6	87.8

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#10

Methyl Iodide

Concen: 15.421 ug/l

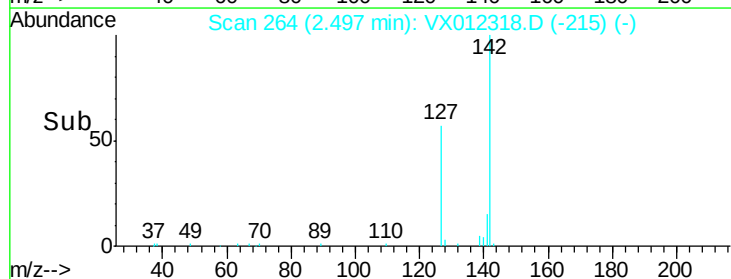
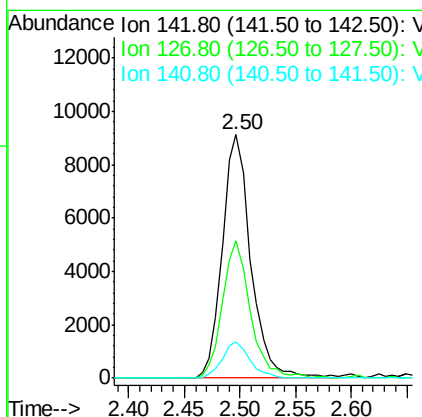
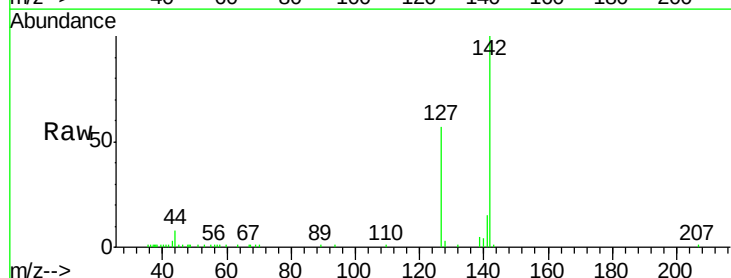
RT: 2.50 min Scan# 264

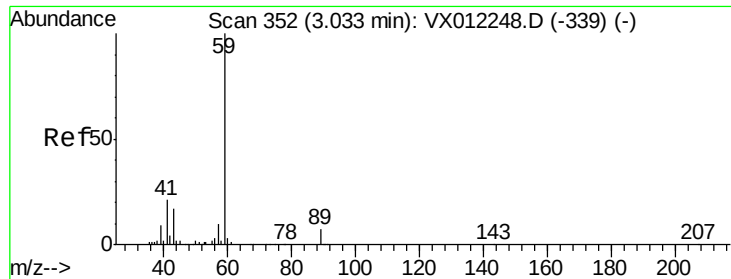
Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Tgt Ion:	142	Resp:	16214
Ion Ratio	Lower	Upper	
142	100		
127	55.0	40.6	61.0
141	14.5	12.0	18.0





#11

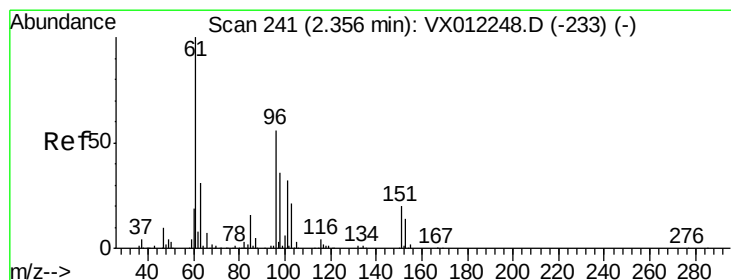
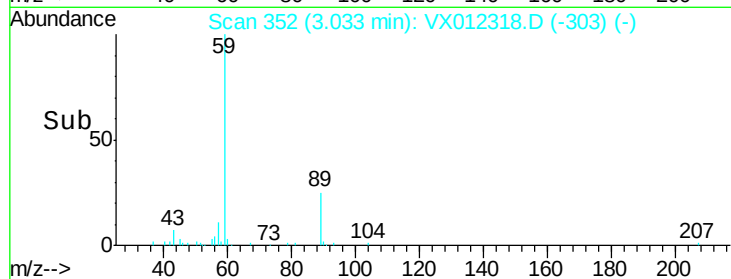
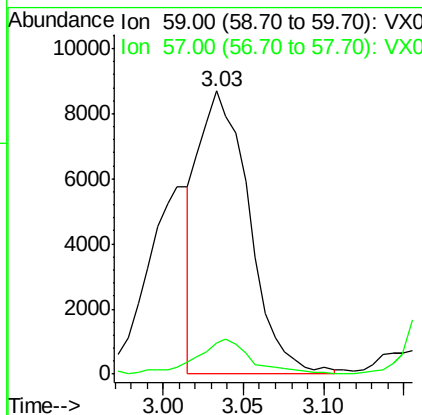
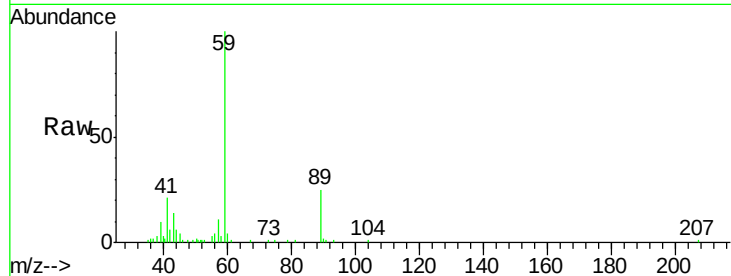
Tert butyl alcohol
Concen: 98.097 ug/l m
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	59	Resp	19297
Ion Ratio	100	Lower	Upper
57	13.6	7.8	11.6#

Manual Integrations
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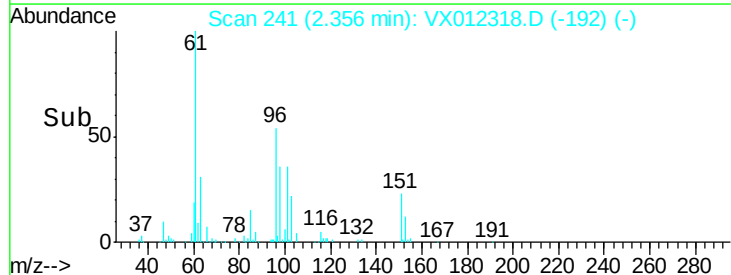
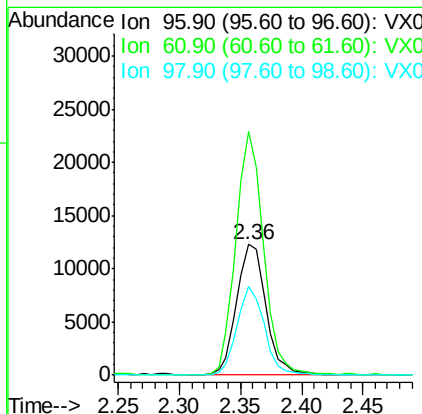
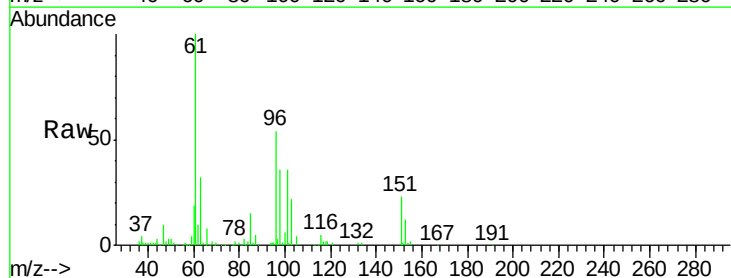
MMDadoda
9/12/2019 9:26:50 AM

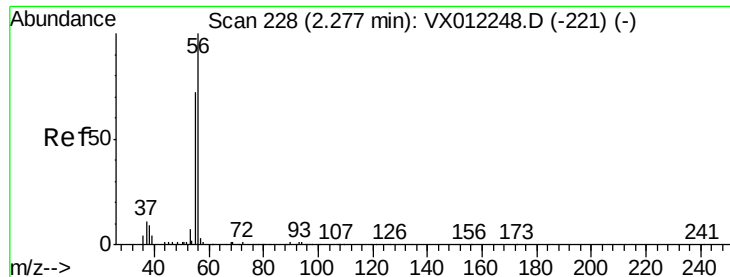


#12

1,1-Dichloroethene
Concen: 21.897 ug/l
RT: 2.36 min Scan# 241
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	96	Resp	20536
Ion Ratio	100	Lower	Upper
61	185.9	142.2	213.2
98	67.6	51.3	76.9





#13

Acrolein

Concen: 91.015 ug/l

RT: 2.28 min Scan# 228

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBSD02

Tot Ion: 56 Resp: 8337

Ion Ratio Lower Upper

56 100

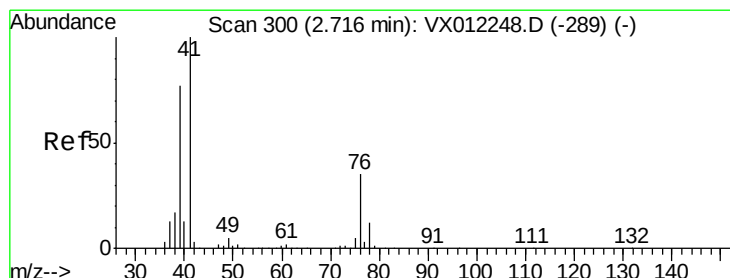
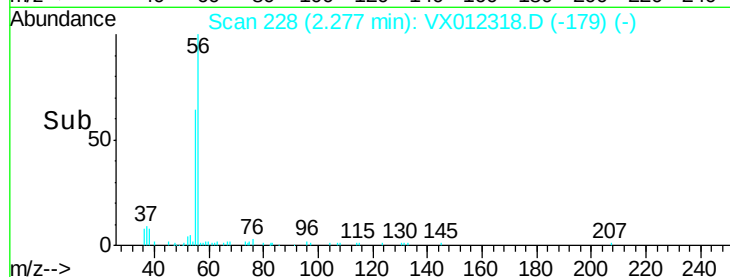
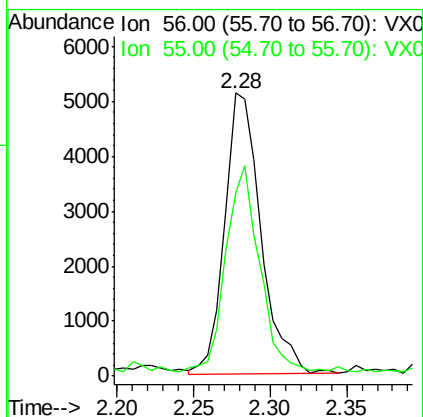
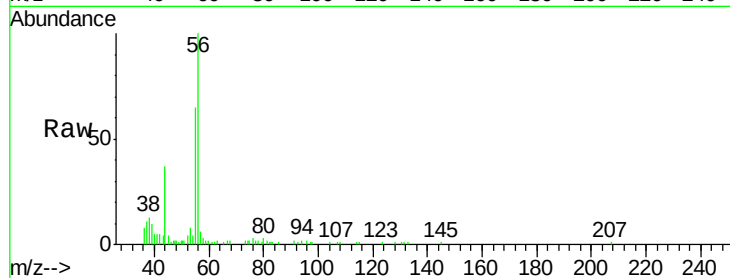
55 67.9 59.8 89.6

Manual Integrations

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#14

Allyl chloride

Concen: 20.683 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

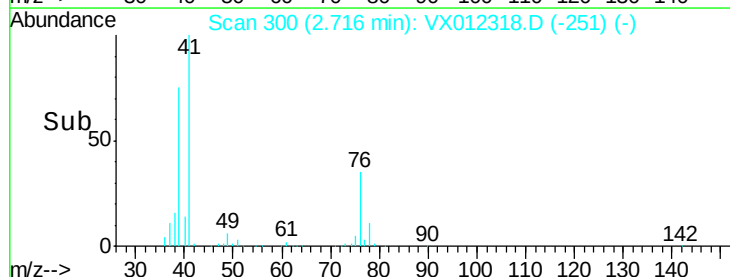
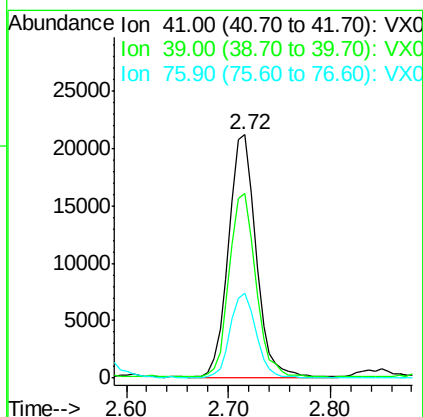
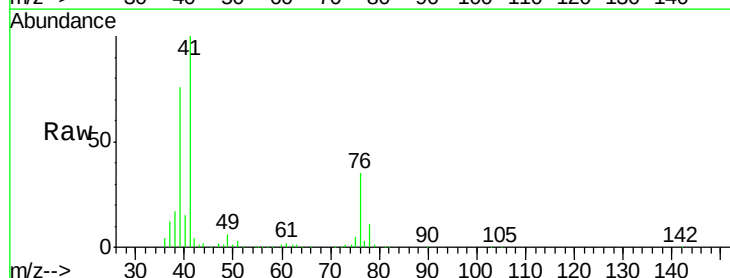
Tgt Ion: 41 Resp: 39548

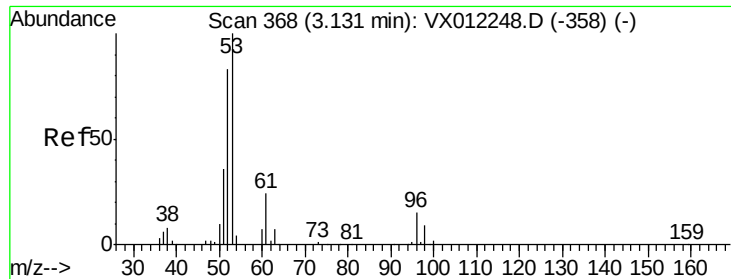
Ion Ratio Lower Upper

41 100

39 73.7 58.6 87.8

76 33.2 26.3 39.5





#15

Acrylonitrile

Concen: 117.543 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

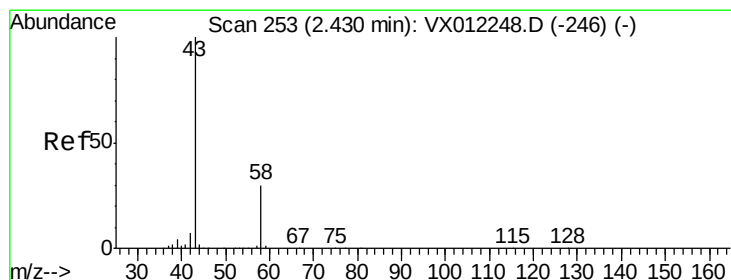
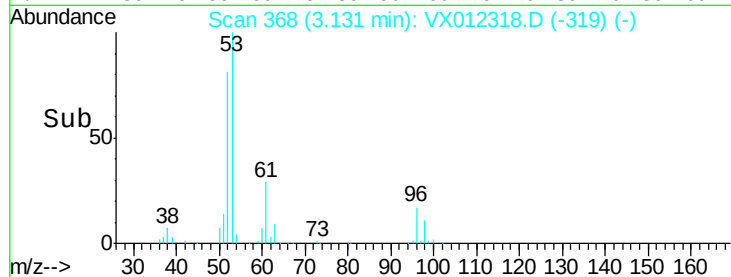
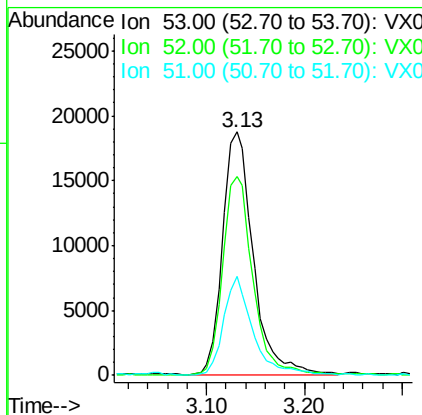
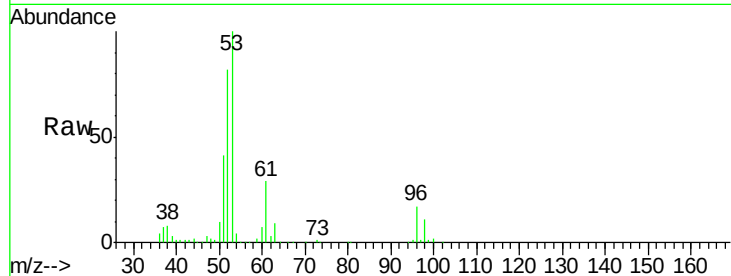
ClientSampleId :

VX0911SBS02

Tot Ion:	53	Resp:	40639
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.8	100.2
51	38.3	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 93.142 ug/l

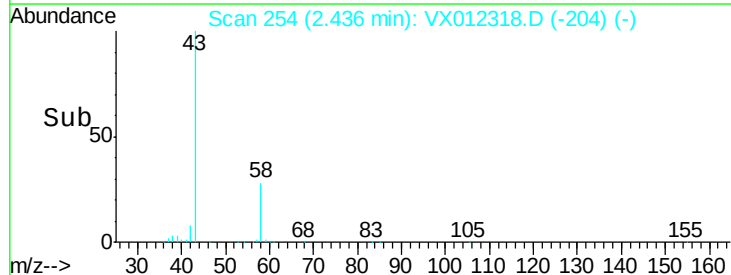
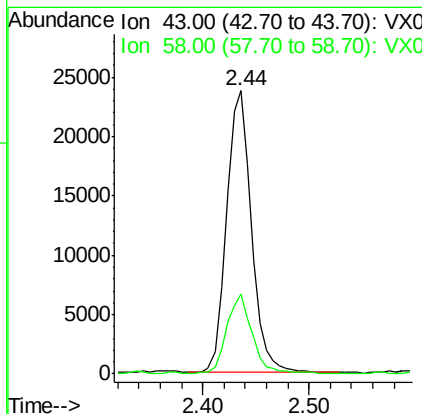
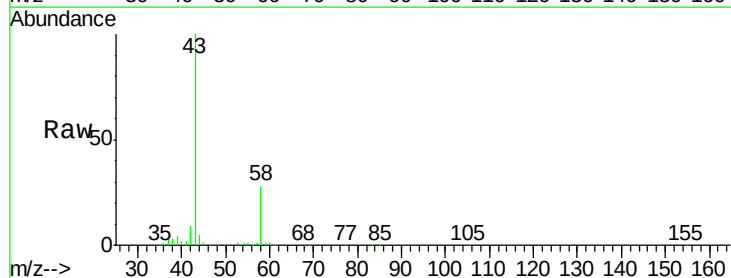
RT: 2.44 min Scan# 254

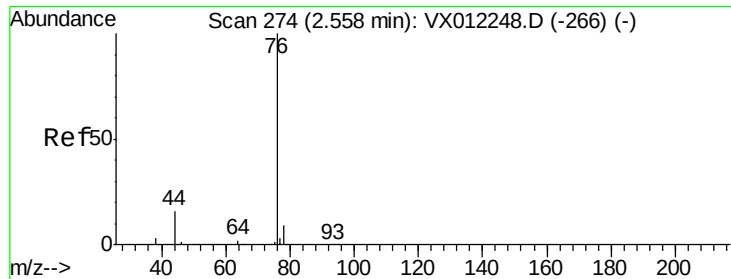
Delta R.T. 0.01 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Tgt Ion:	43	Resp:	38637
Ion	Ratio	Lower	Upper
43	100		
58	27.9	23.6	35.4





#17

Carbon Disulfide

Concen: 20.118 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 76 Resp: 39620

Ion Ratio Lower Upper

76 100

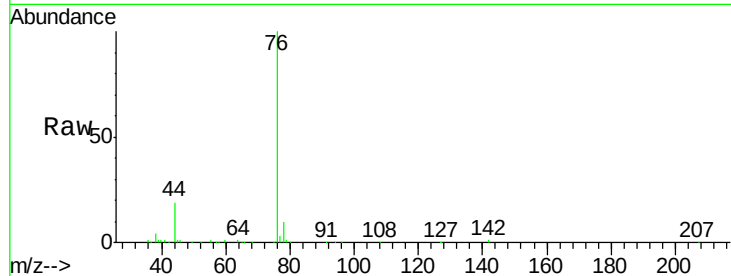
78 9.6 7.4 11.2

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

25000

20000

15000

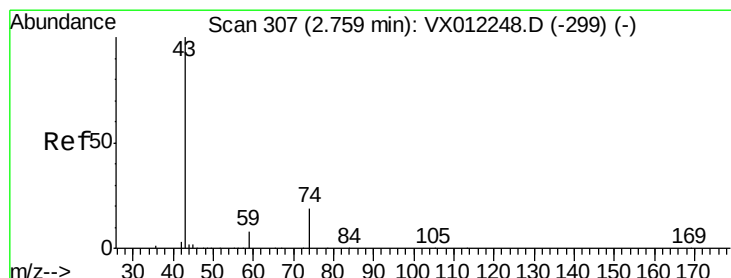
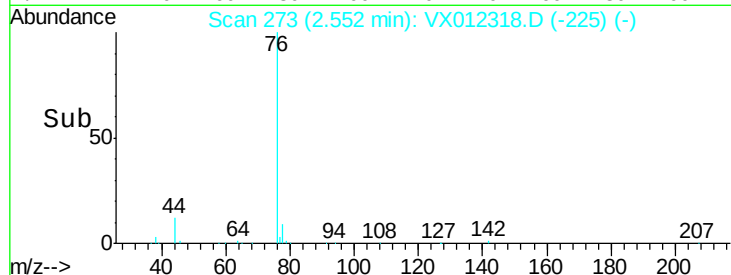
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#18

Methyl Acetate

Concen: 29.710 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX012318.D

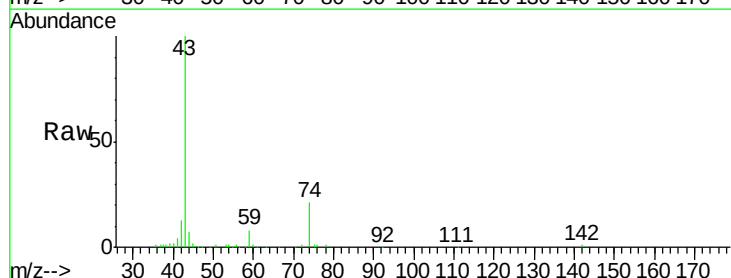
Acq: 11 Sep 2019 23:29

Tgt Ion: 43 Resp: 25904

Ion Ratio Lower Upper

43 100

74 21.5 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

15000

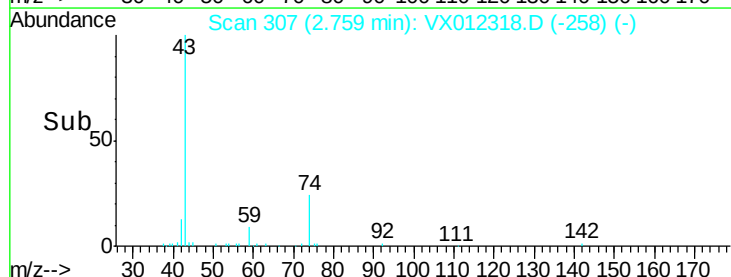
10000

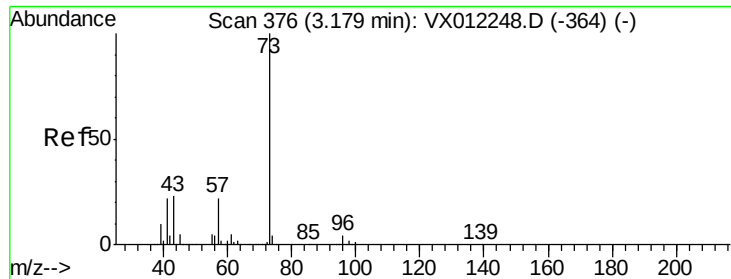
5000

0

Time-->

2.65 2.70 2.75 2.80 2.85





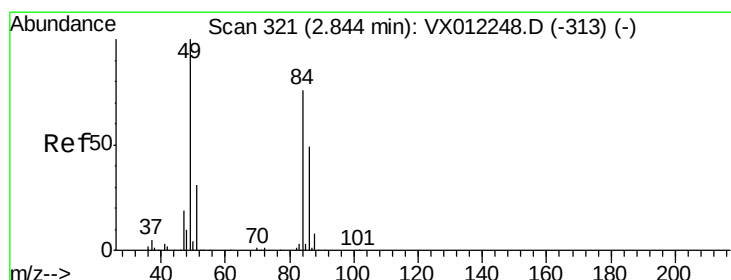
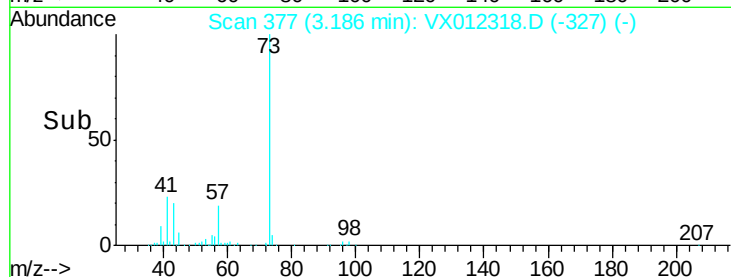
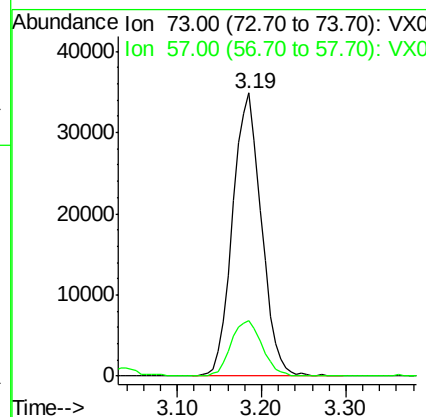
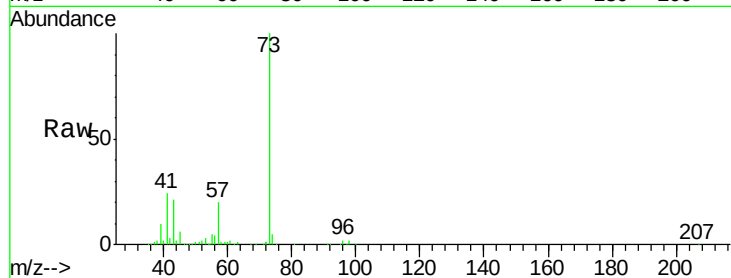
#19
Methyl tert-butyl Ether
Concen: 21.851 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.7	17.7	26.5

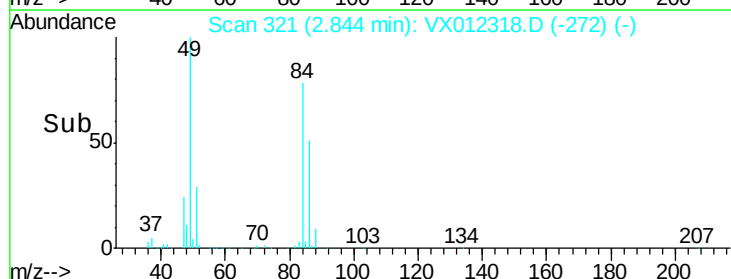
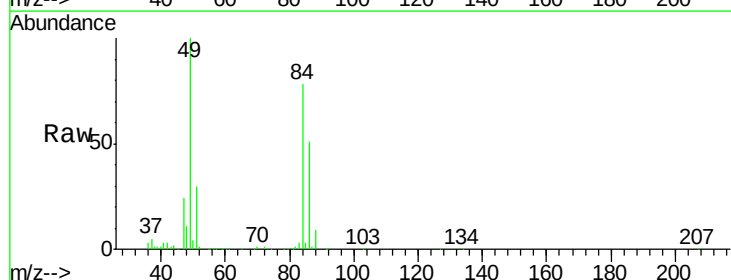
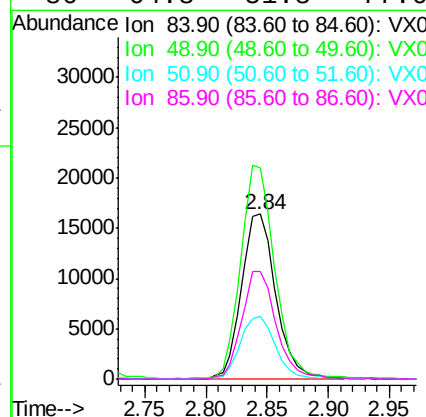
Manual Integrations
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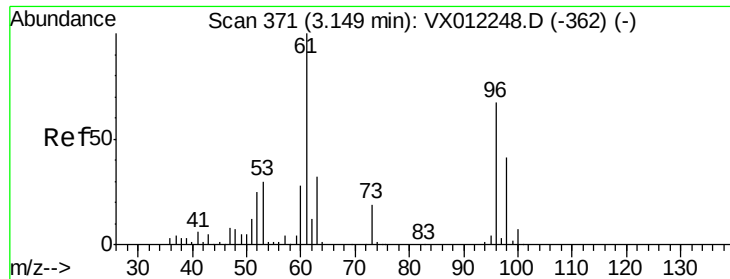
MMDadoda
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#20
Methylene Chloride
Concen: 23.241 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.5	105.0	157.6
51	37.9	32.6	48.8
86	64.8	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 21.369 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 96 Resp: 23910

Ion Ratio Lower Upper

96 100

61 149.5 119.4 179.2

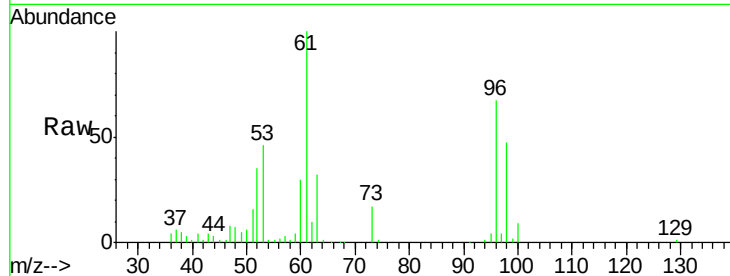
98 70.5 48.4 72.6

Manual Integrations

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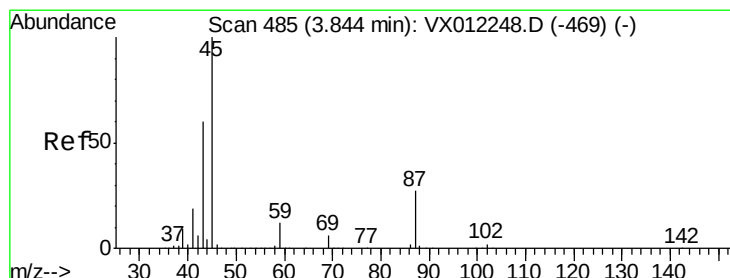
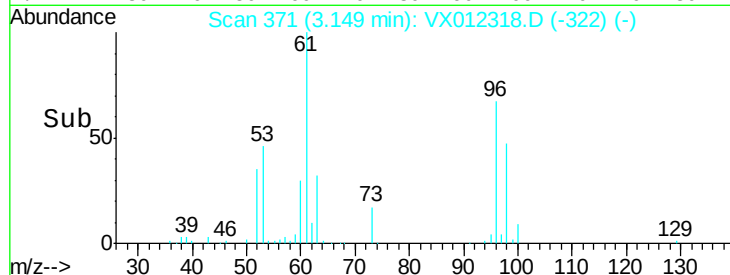
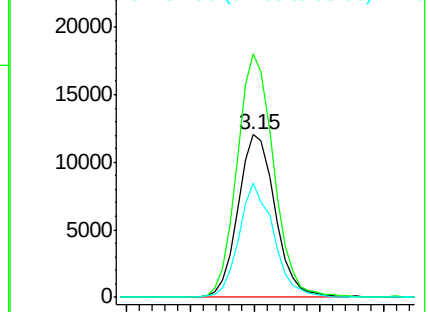


Abundance

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



#22

Diisopropyl ether

Concen: 21.410 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Tgt Ion: 45 Resp: 93624

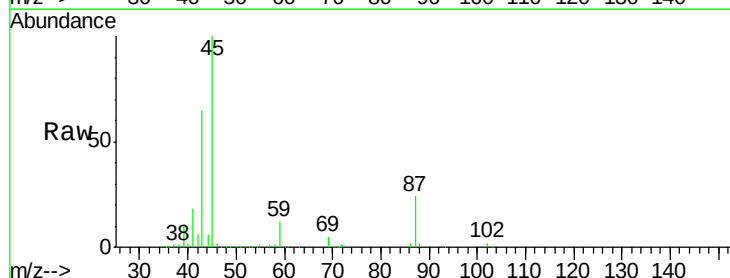
Ion Ratio Lower Upper

45 100

43 64.7 48.3 72.5

87 23.9 21.8 32.8

59 11.3 9.1 13.7



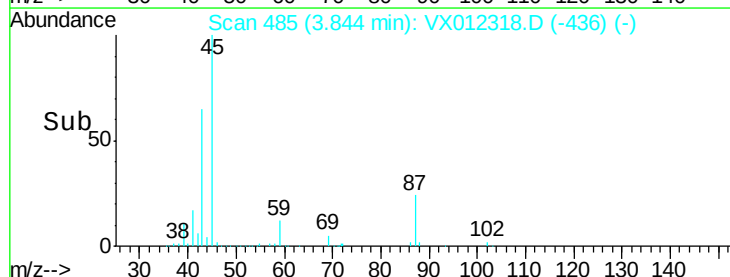
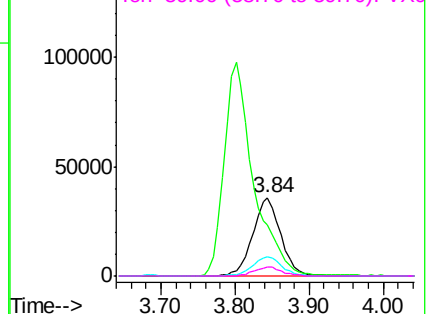
Abundance

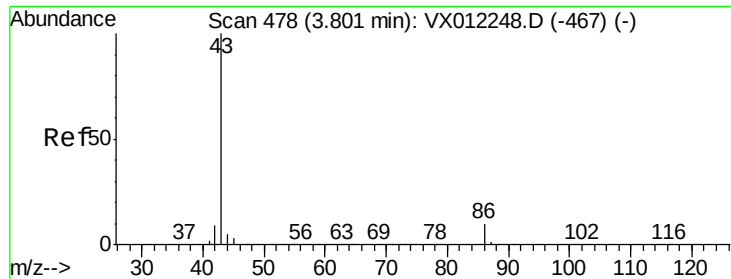
Ion 45.00 (44.70 to 45.70): VX0

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: 100.701 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 43 Resp: 270174

Ion Ratio Lower Upper

43 100

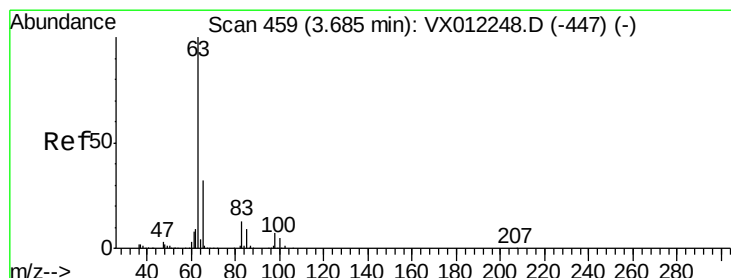
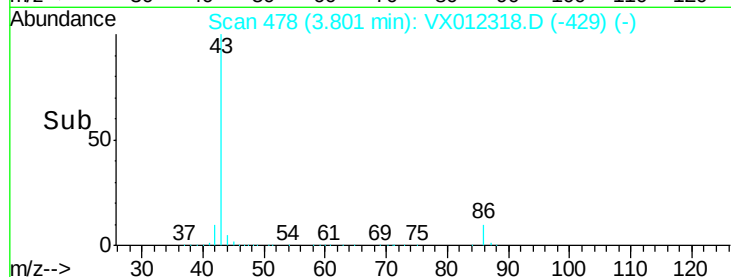
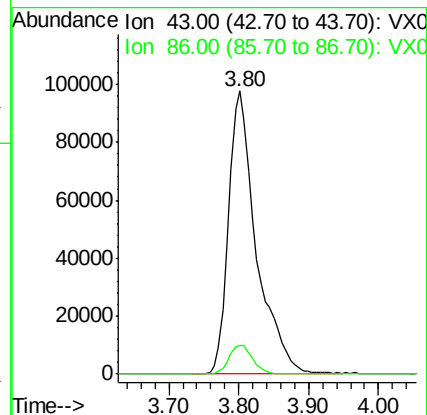
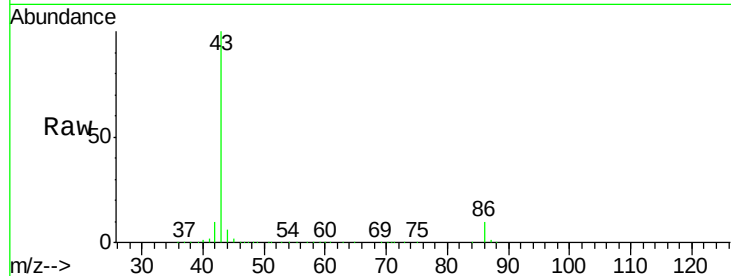
86 10.3 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 21.912 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

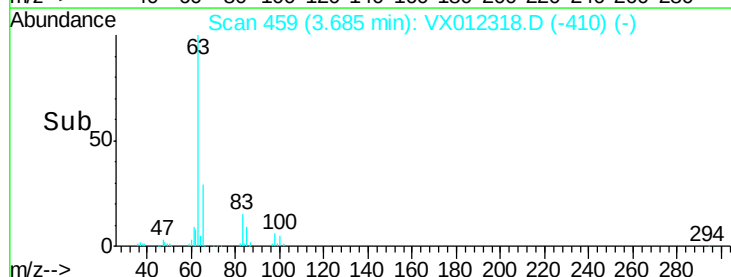
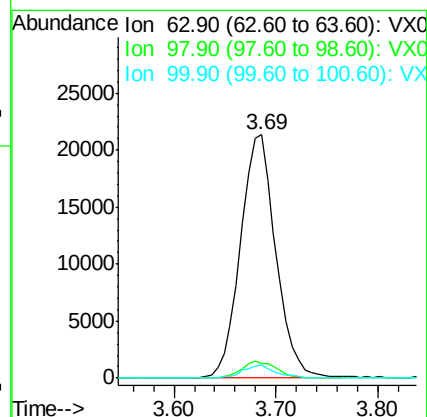
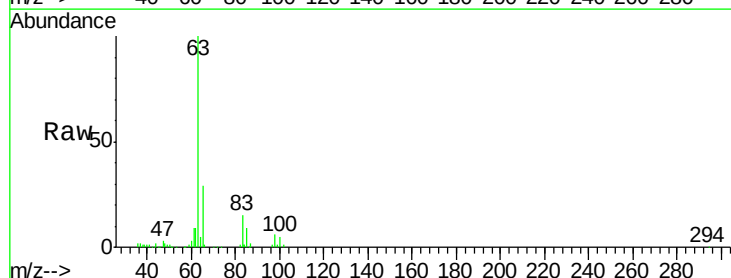
Tgt Ion: 63 Resp: 51326

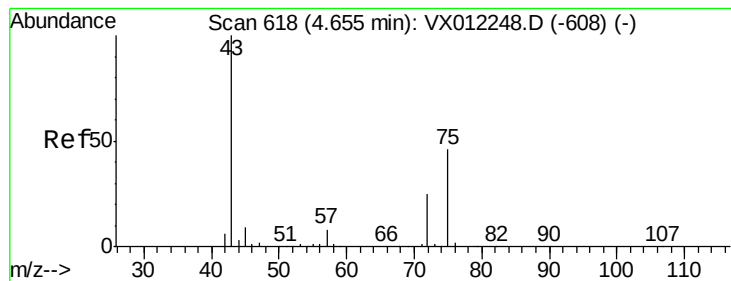
Ion Ratio Lower Upper

63 100

98 5.8 3.4 10.1

100 5.2 2.4 7.2





#25

2-Butanone

Concen: 107.987 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 43 Resp: 57264

Ion Ratio Lower Upper

43 100

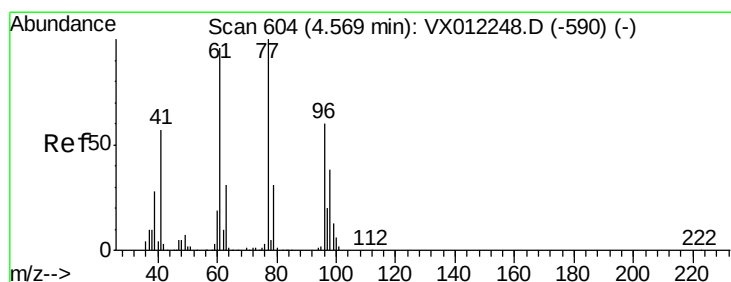
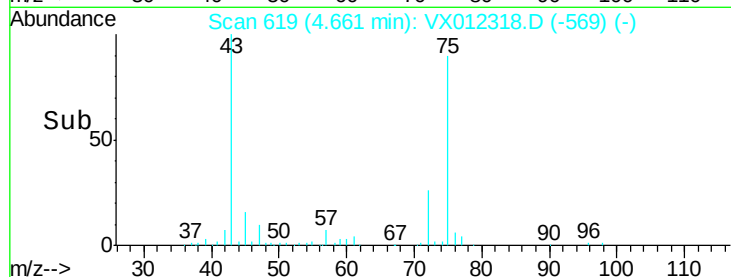
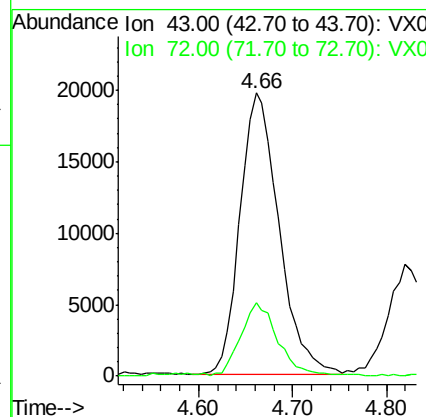
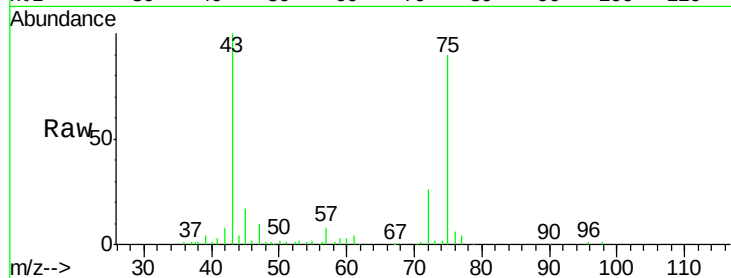
72 25.5 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.782 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012318.D

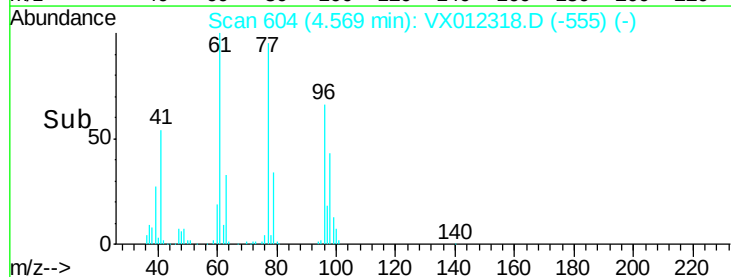
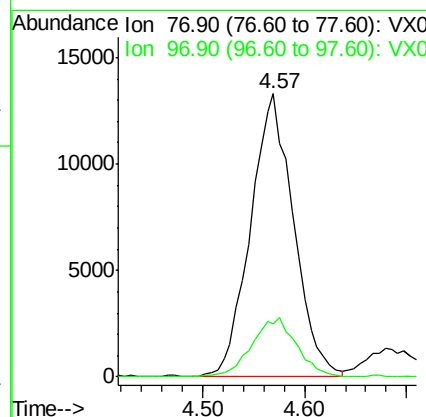
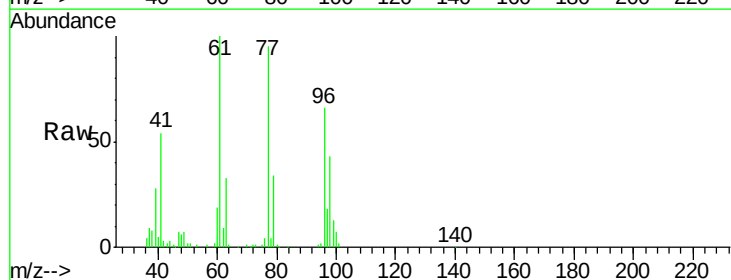
Acq: 11 Sep 2019 23:29

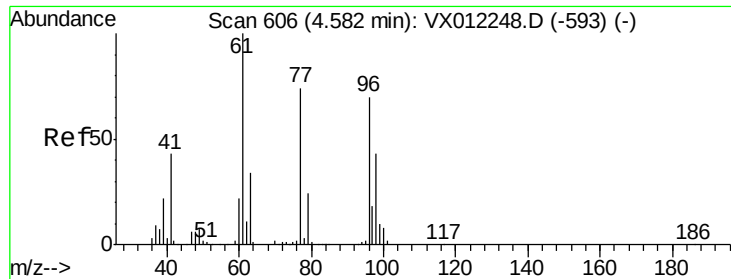
Tgt Ion: 77 Resp: 39105

Ion Ratio Lower Upper

77 100

97 21.5 10.7 32.1





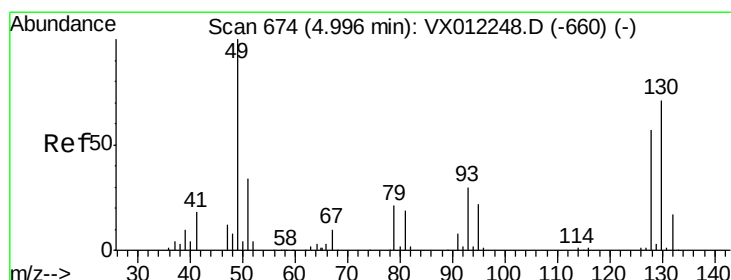
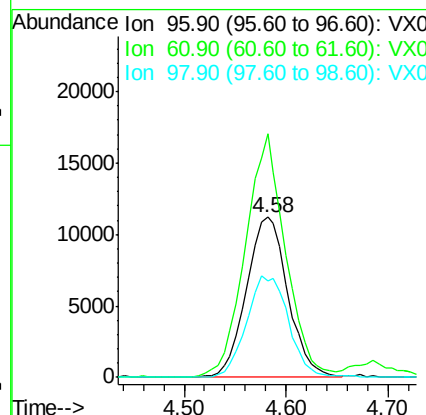
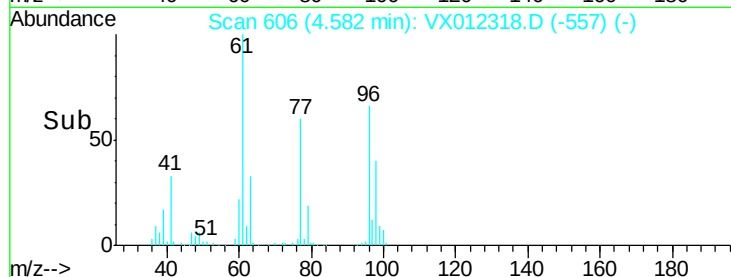
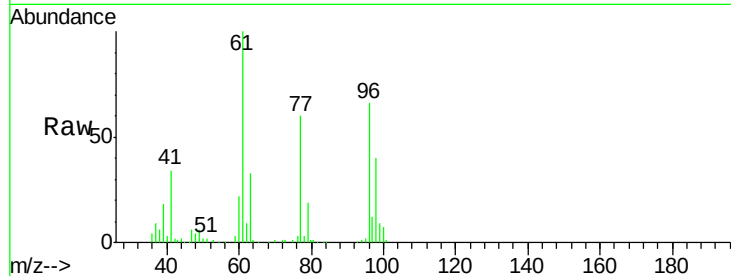
#27
 cis-1,2-Dichloroethene
 Concen: 21.927 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.4	0.0	310.4	
98	64.2	0.0	128.8	

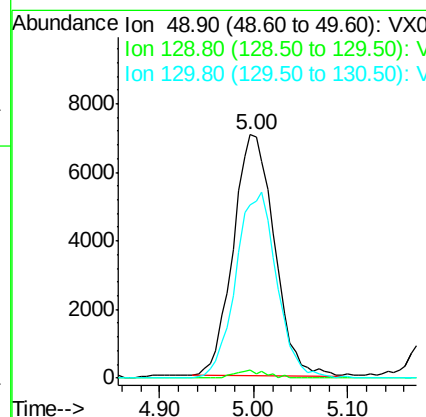
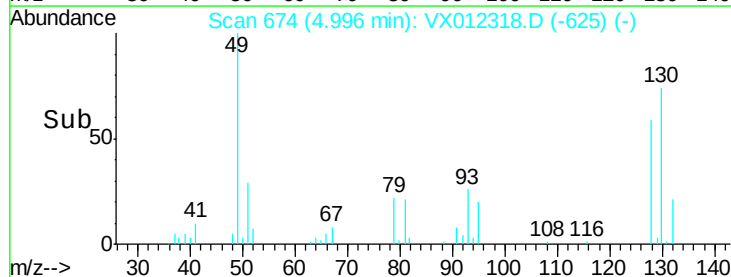
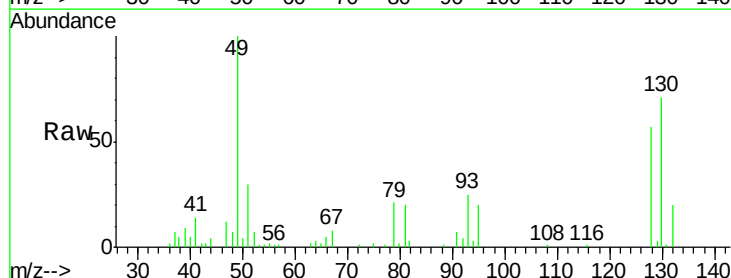
Manual Integrations
 APPROVED

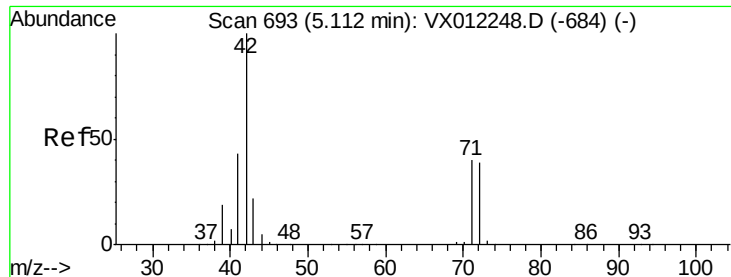
MMDadoda
 9/12/2019 9:26:50 AM



#28
 Bromochloromethane
 Concen: 19.586 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	5.2	
130	76.5	60.1	90.1	





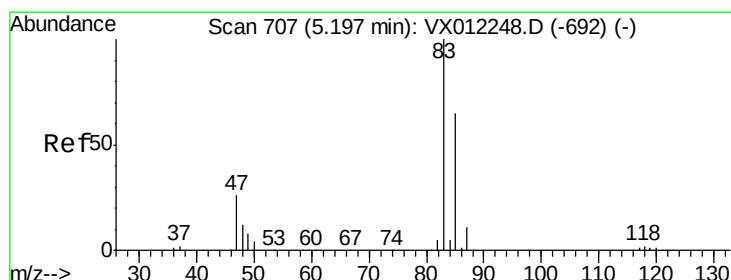
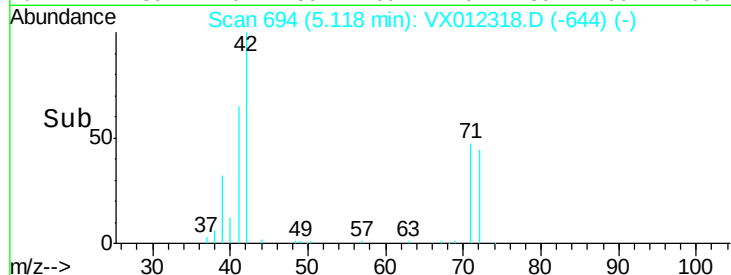
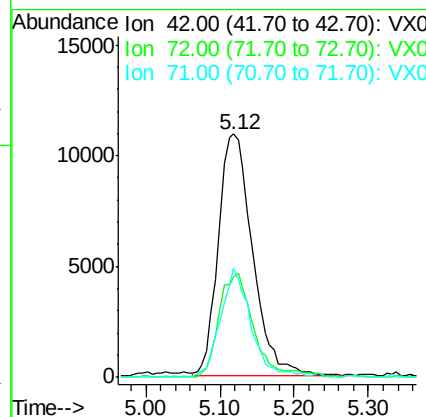
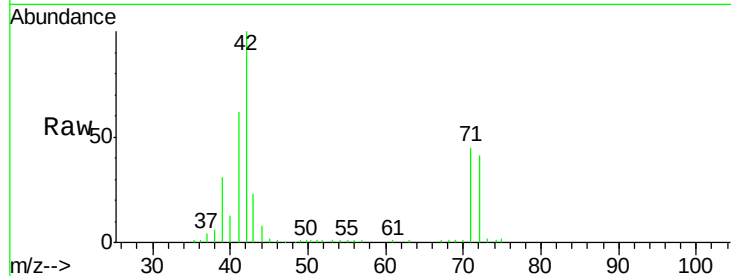
#29
Tetrahydrofuran
Concen: 120.974 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.2	52.8
71	40.5	32.5	48.7

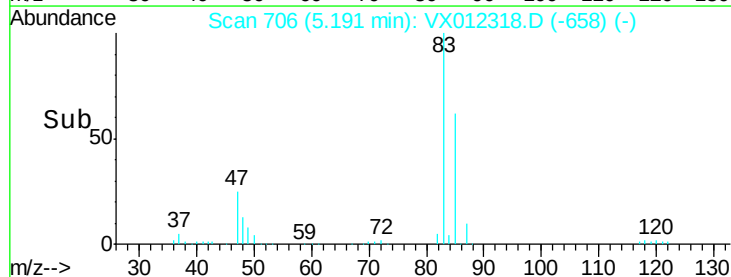
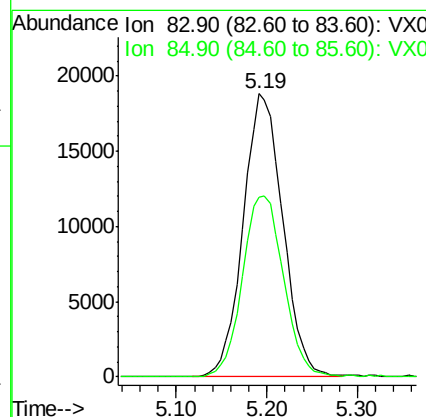
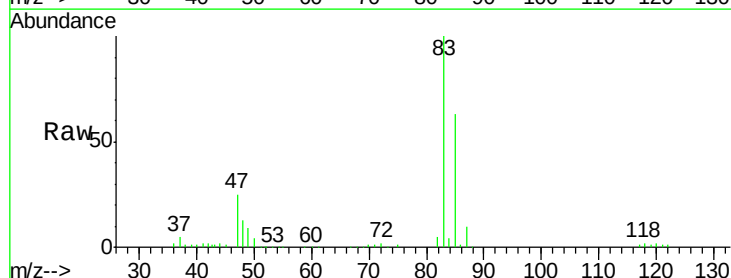
Manual Integrations
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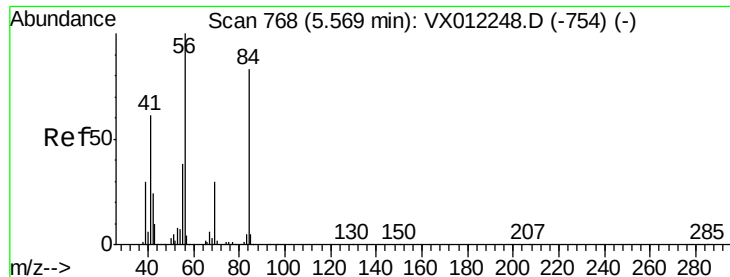
MMDadoda
9/12/2019 9:26:50 AM



#30
Chloroform
Concen: 21.535 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.3	78.5





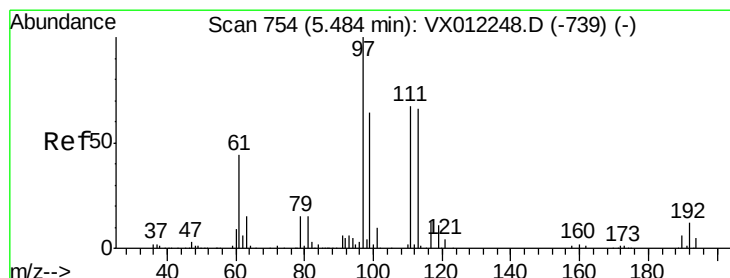
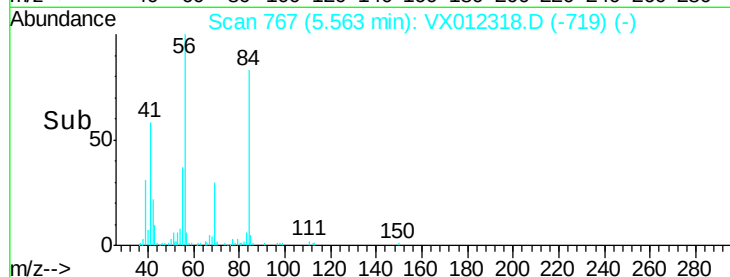
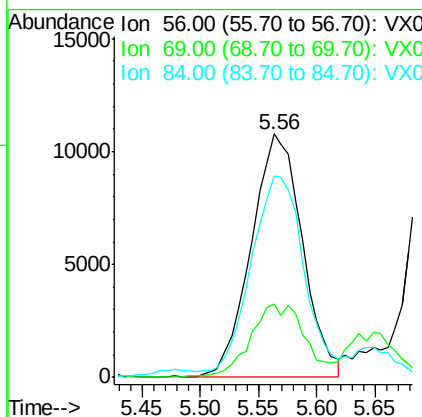
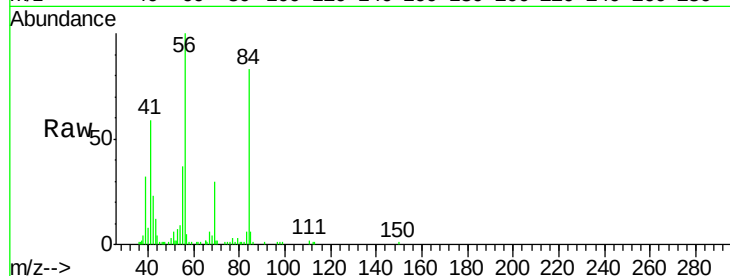
#31
Cyclohexane
Concen: 20.181 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.8	35.6
84	79.8	66.6	100.0

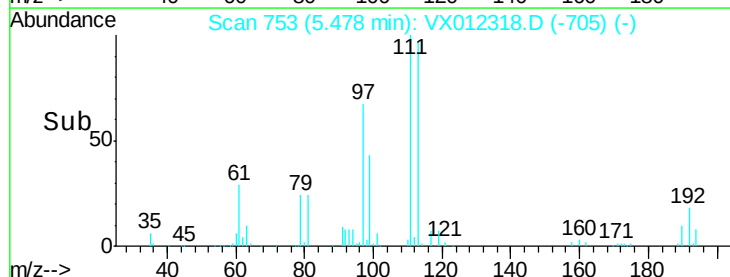
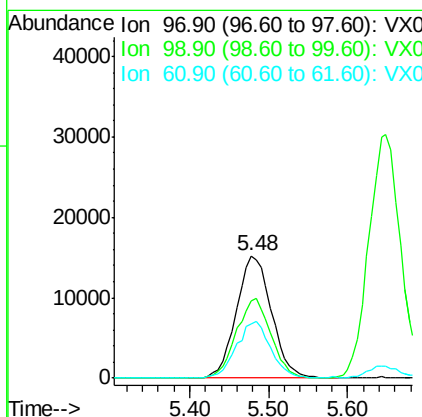
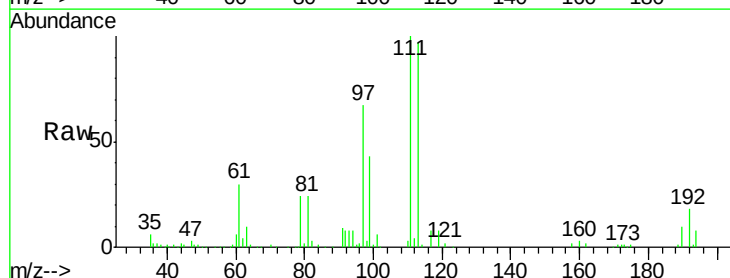
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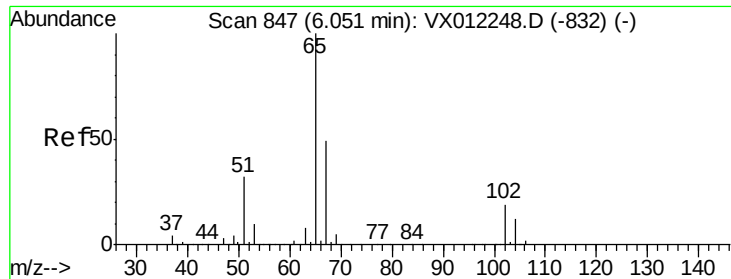
MMDadoda
9/12/2019 9:26:50 AM



#32
1,1,1-Trichloroethane
Concen: 20.739 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.3	76.9
61	45.1	35.4	53.0





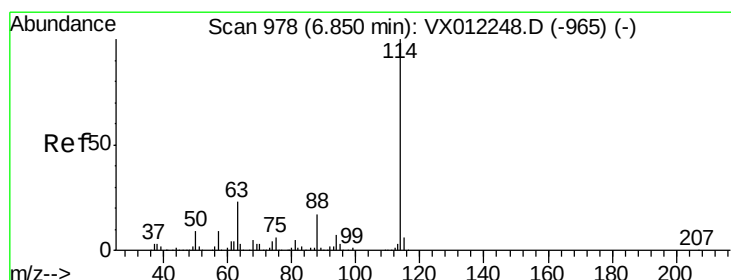
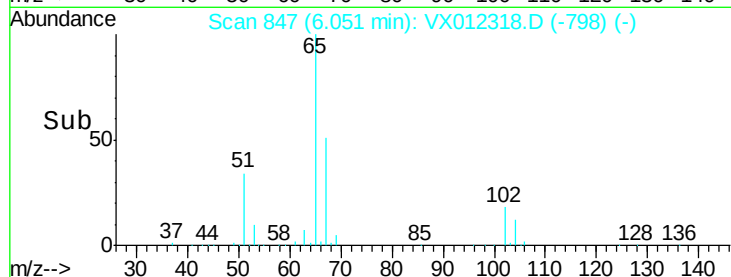
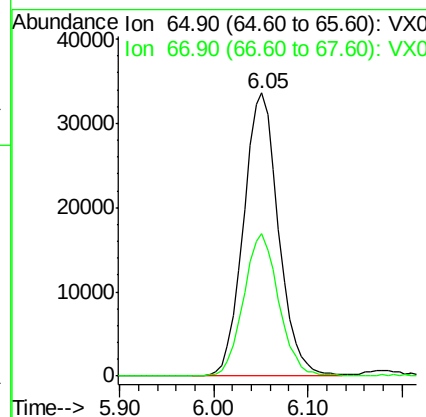
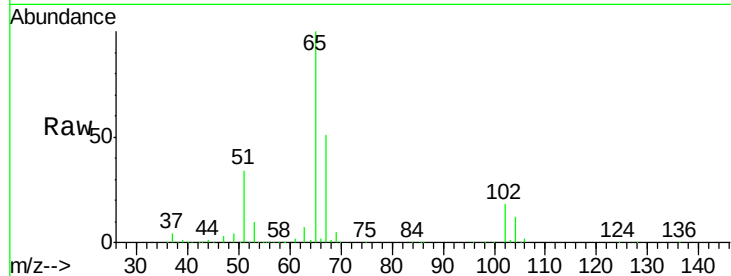
#33
 1,2-Dichloroethane-d4
 Concen: 49.889 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	99.8

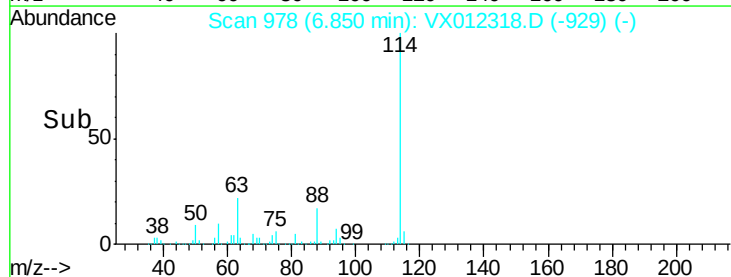
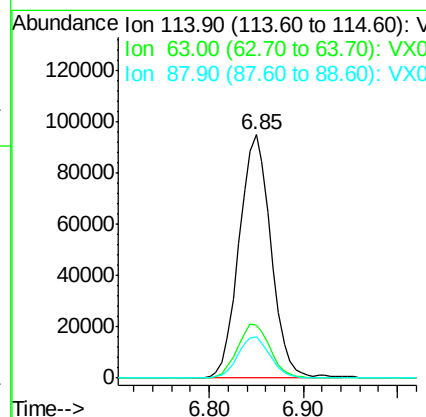
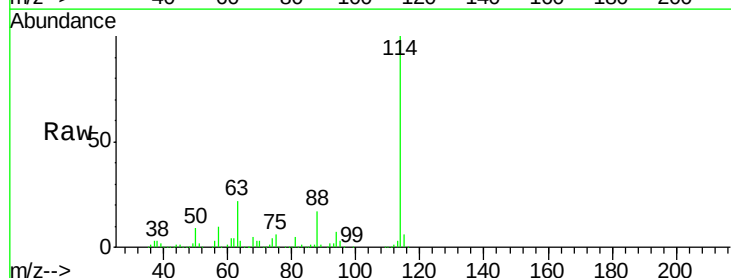
Manual Integrations
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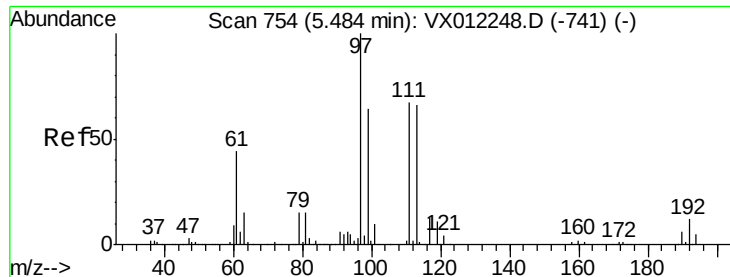
MMDadoda
 9/12/2019 9:26:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	45.2
88	17.1	0.0	34.8





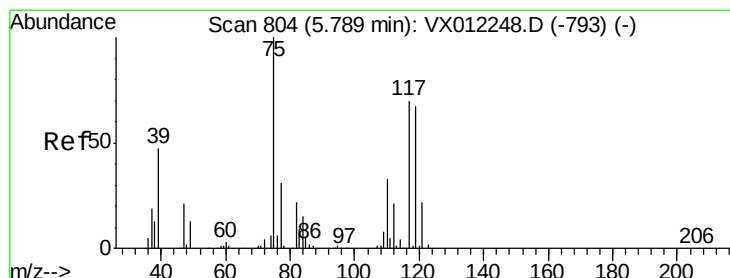
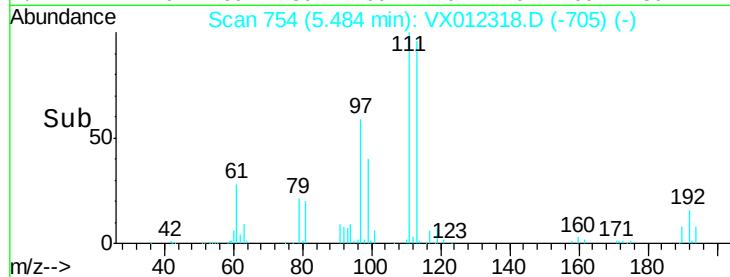
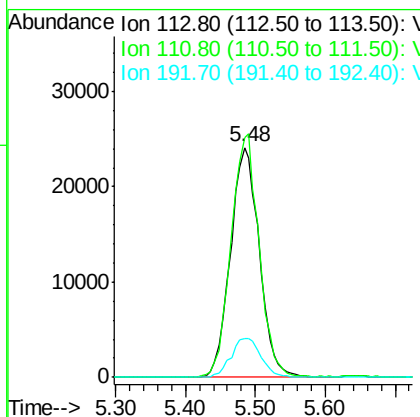
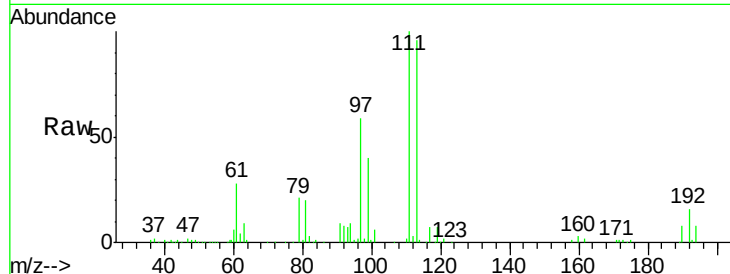
#35
 Dibromofluoromethane
 Concen: 48.205 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	69257		
111	102.6	83.0	124.6	
192	17.7	14.3	21.5	

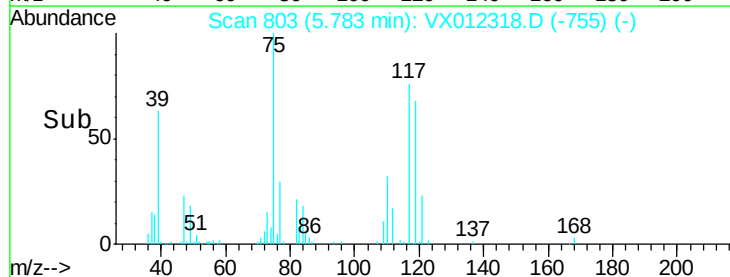
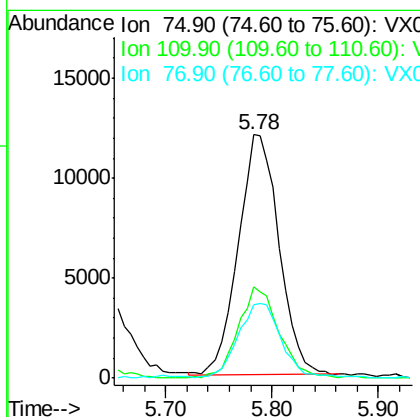
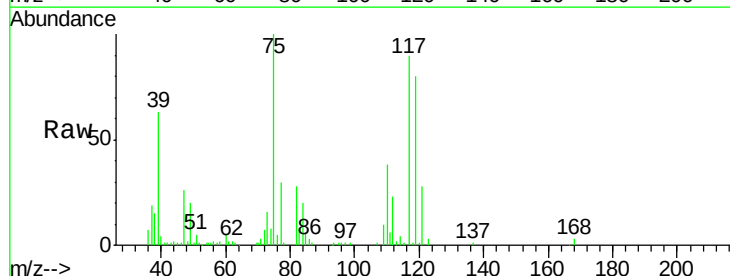
Manual Integrations
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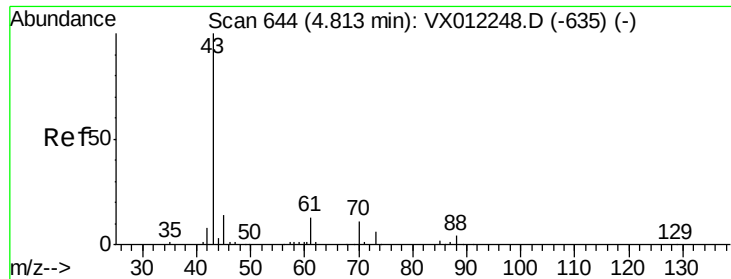
MMDadoda
 9/12/2019 9:26:50 AM



#36
 1,1-Dichloropropene
 Concen: 19.734 ug/l
 RT: 5.78 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32250		
110	37.7	16.8	50.4	
77	33.4	24.5	36.7	





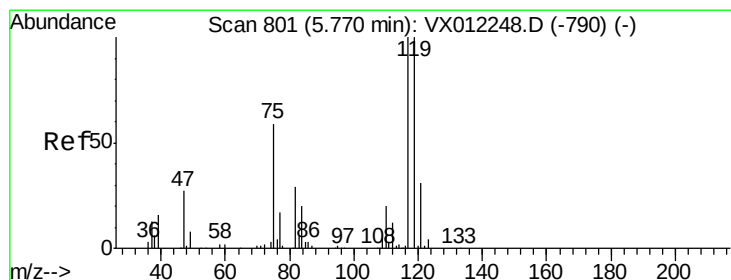
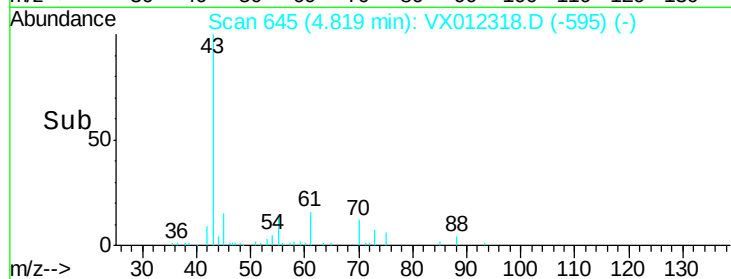
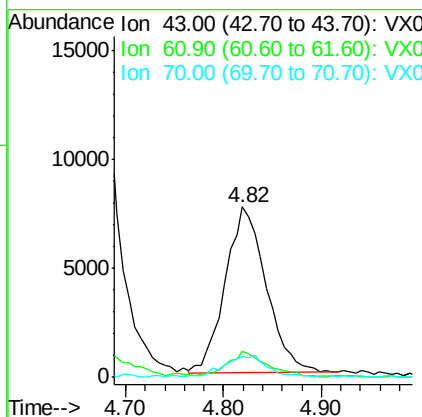
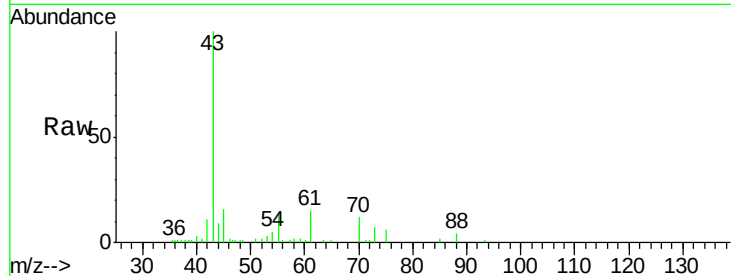
#37
Ethyl Acetate
Concen: 21.987 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	10.3	15.5#
70	13.7	9.1	13.7#

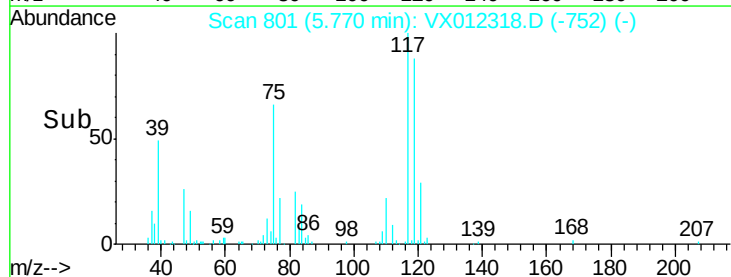
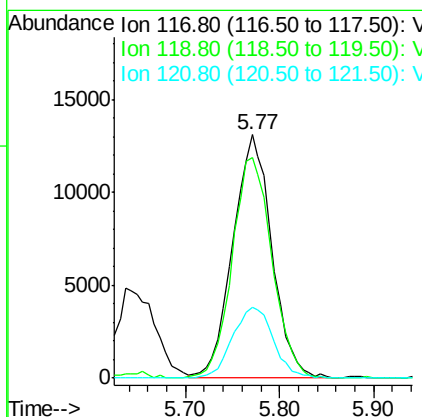
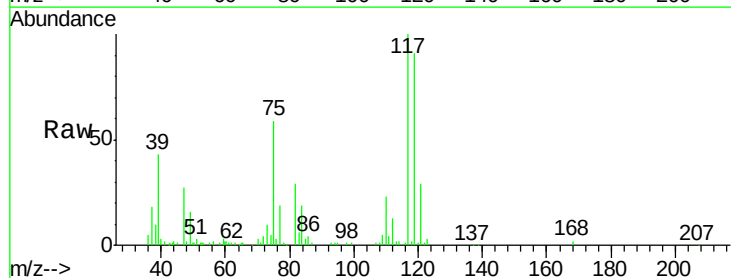
Manual Integrations
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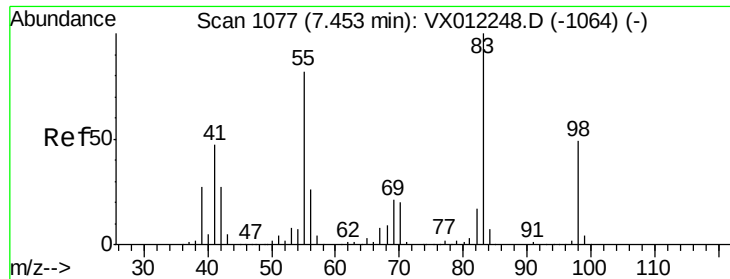
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#38
Carbon Tetrachloride
Concen: 19.773 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.6	79.6	119.4
121	29.1	24.7	37.1





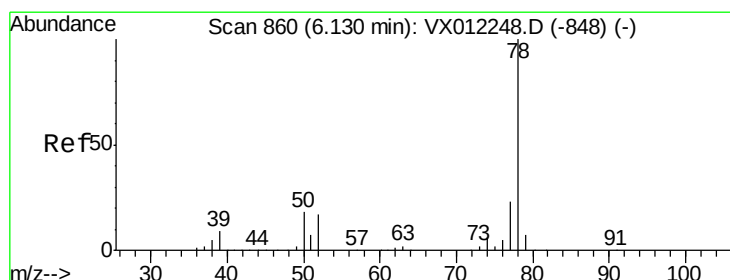
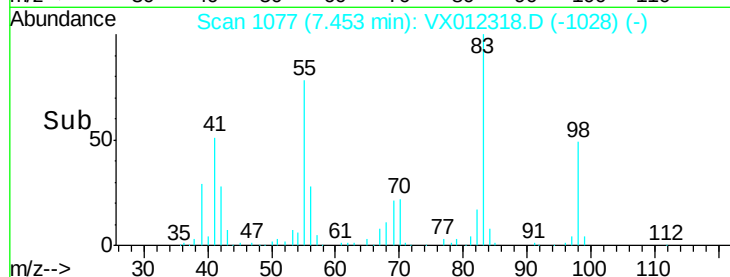
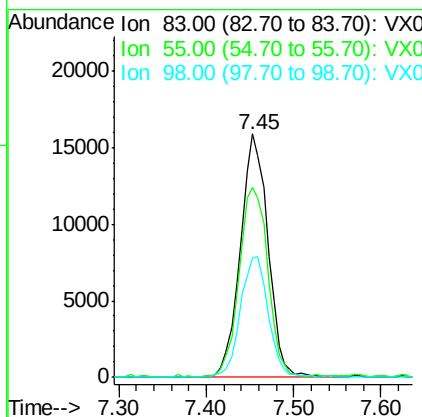
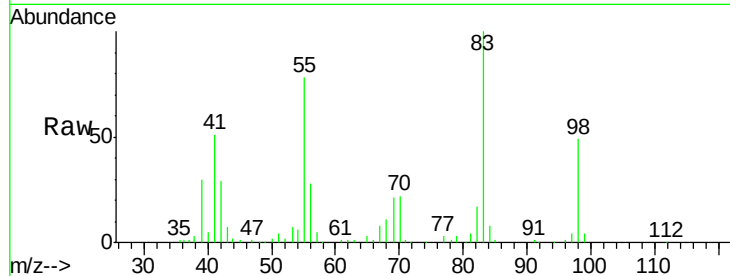
#39
Methylvlcyclohexane
Concen: 19.431 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	83	Resp	34848
Ion Ratio	100	Lower	Upper
83	100		
55	77.7	65.4	98.2
98	49.0	39.6	59.4

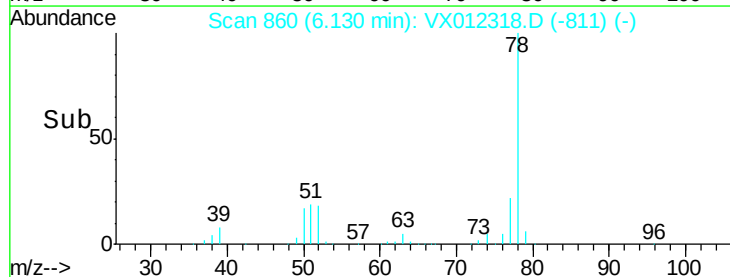
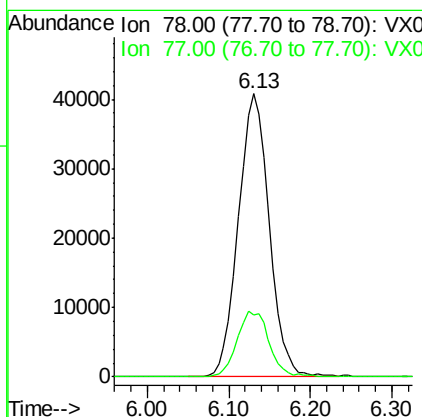
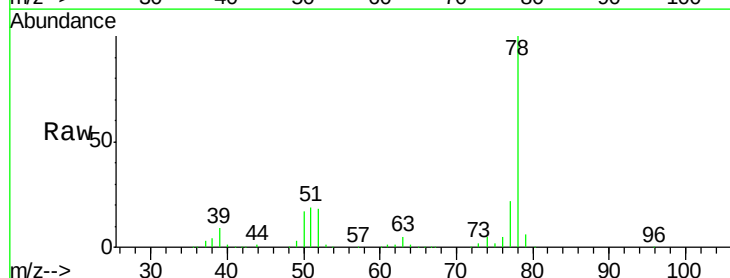
Manual Integrations
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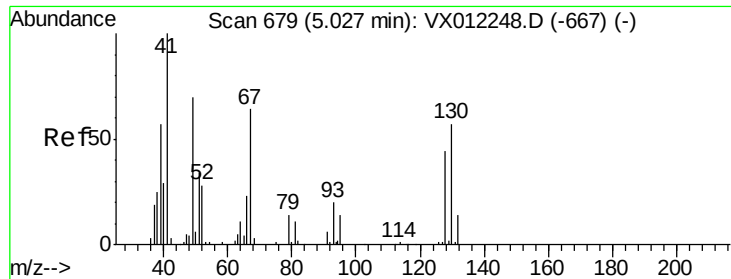
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9/12/2019 9:26:50 AM



#40
Benzene
Concen: 21.698 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	78	Resp	107321
Ion Ratio	100	Lower	Upper
78	100		
77	22.0	18.0	27.0





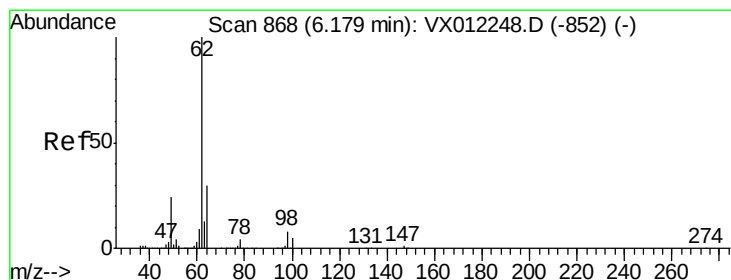
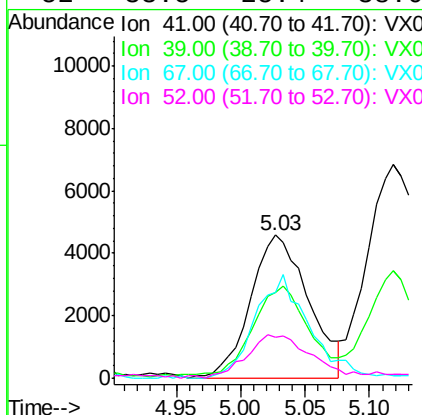
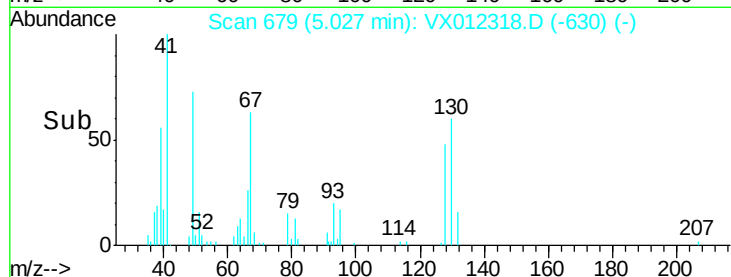
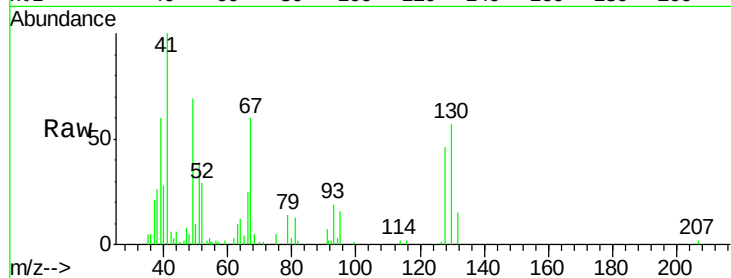
#41
Methacrylonitrile
Concen: 23.127 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		14403		
39	59.6	49.0	73.4		
67	66.6	55.0	82.4		
52	33.5	25.4	38.0		

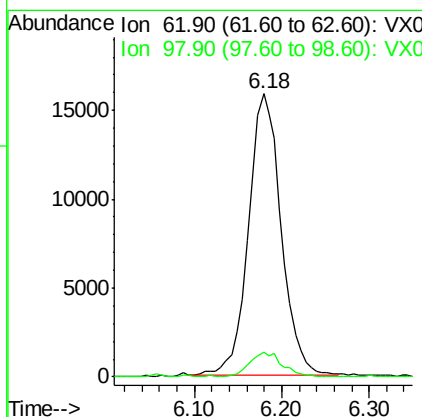
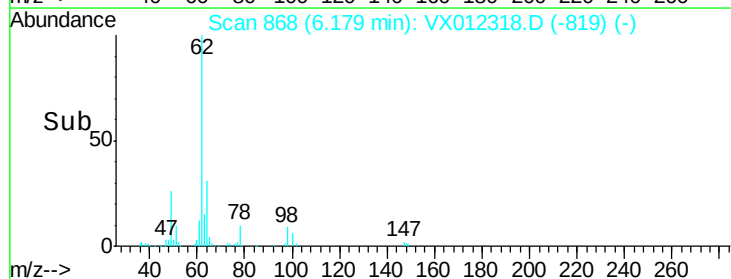
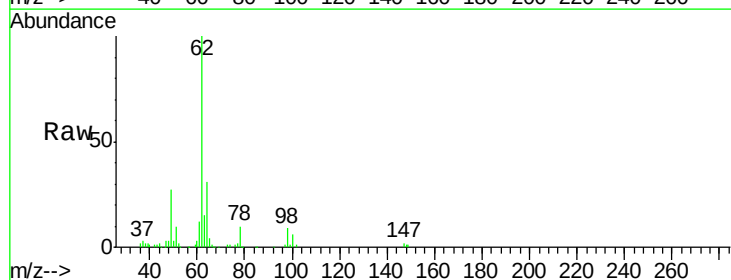
Manual Integrations
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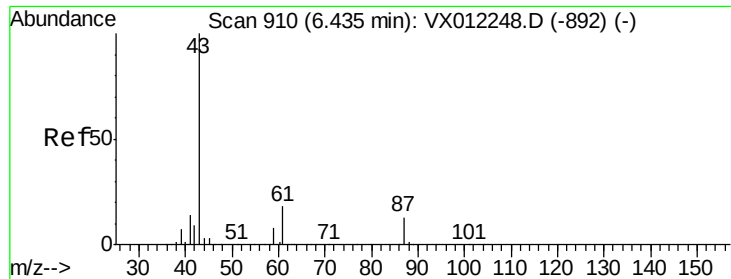
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.859 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		40777		
98	8.7	0.0	17.2		





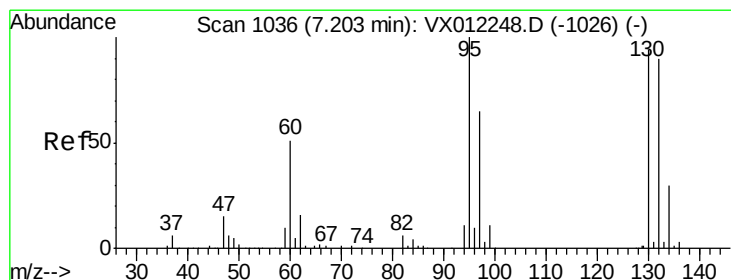
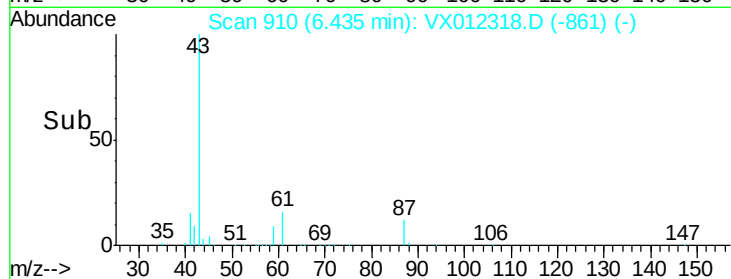
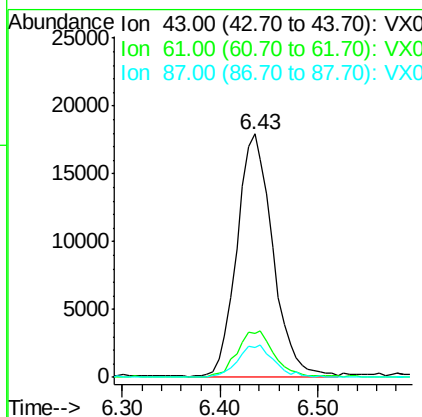
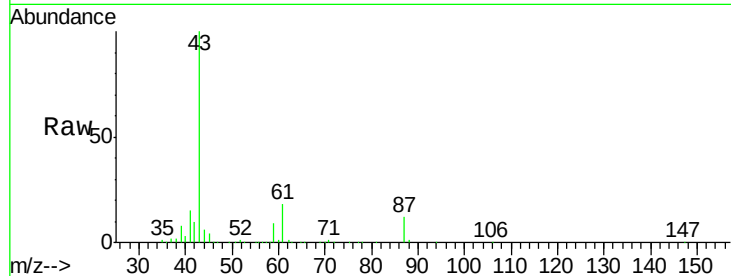
#43
Isopropyl Acetate
Concen: 21.258 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.4	23.2
87	13.4	10.5	15.7

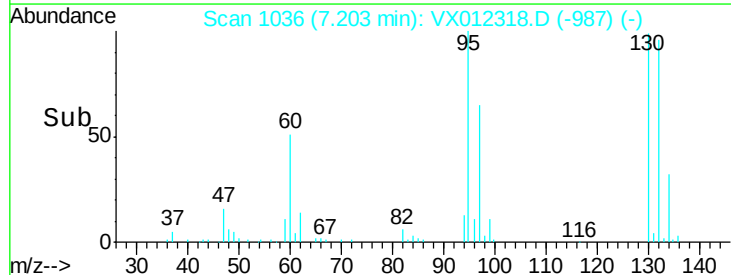
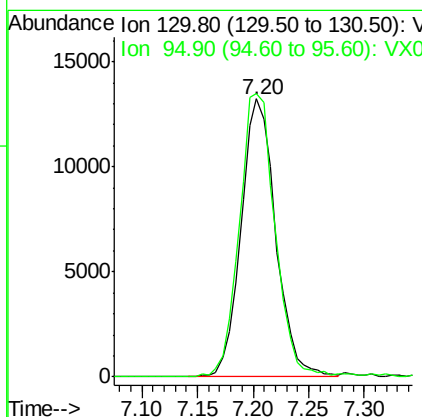
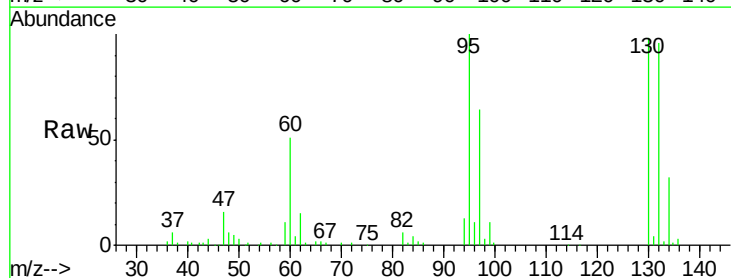
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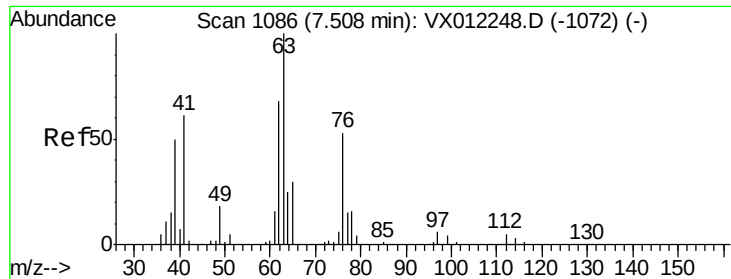
MMDadoda
9/12/2019 9:26:50 AM



#44
Trichloroethene
Concen: 21.381 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	212.0





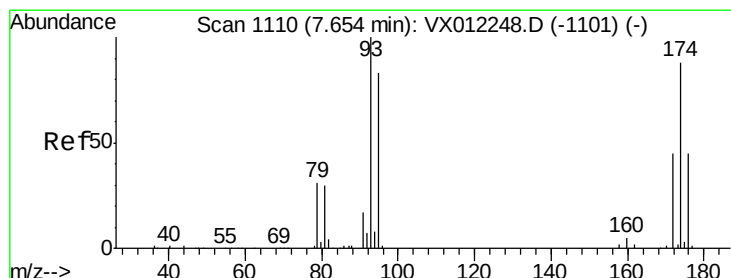
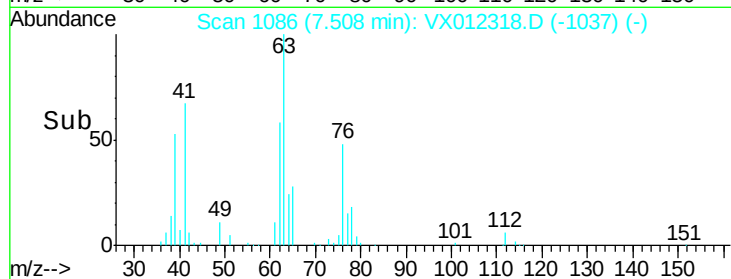
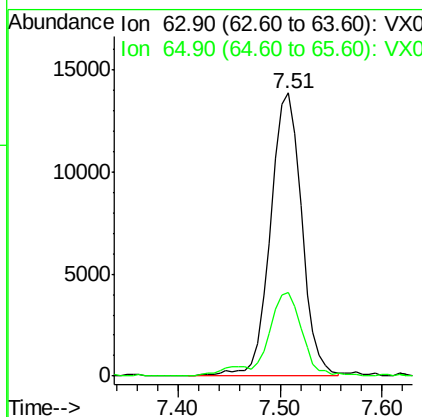
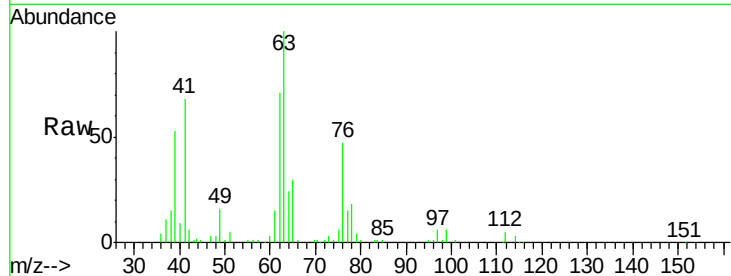
#45
 1,2-Dichloropropane
 Concen: 21.400 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.3	36.5

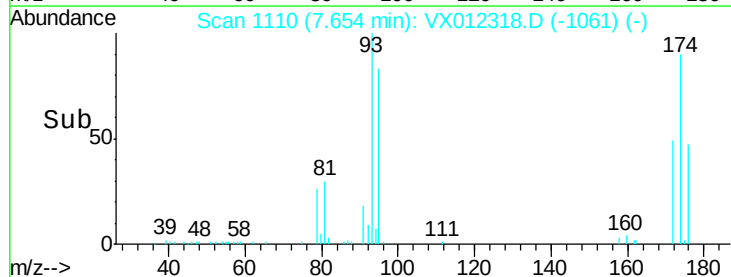
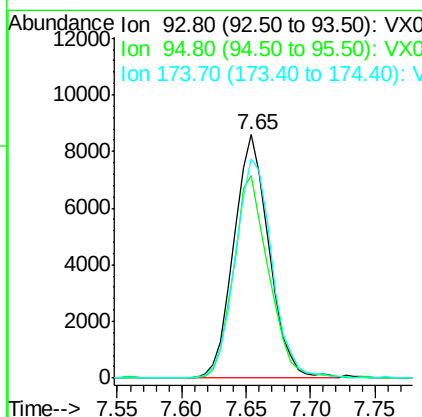
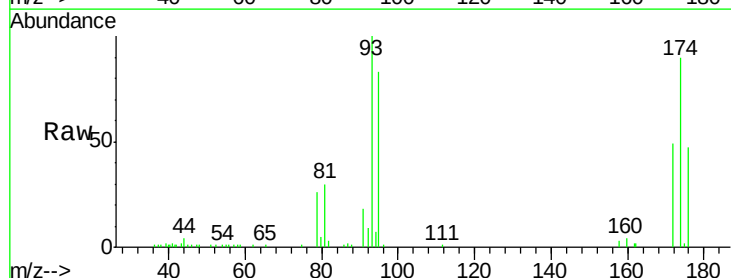
Manual Integrations
 APPROVED

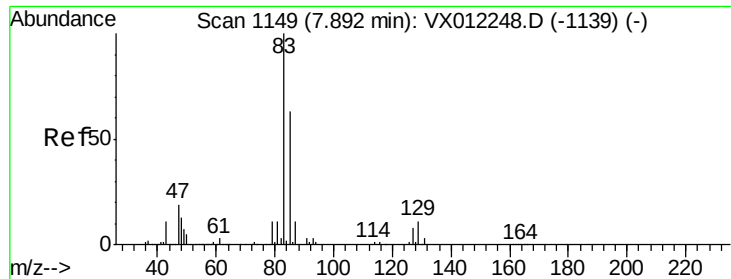
MMDadoda
 9/12/2019 9:26:50 AM



#46
 Dibromomethane
 Concen: 21.790 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.7	98.5
174	94.1	71.0	106.4





#47

Bromodichloromethane

Concen: 20.089 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

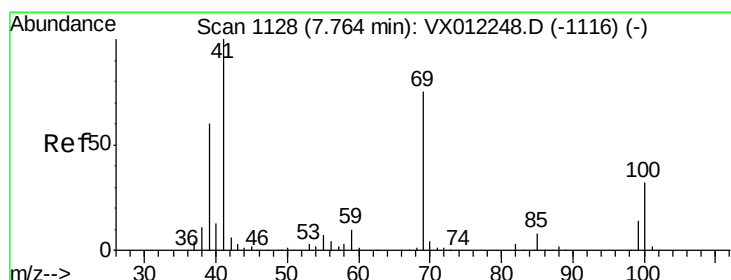
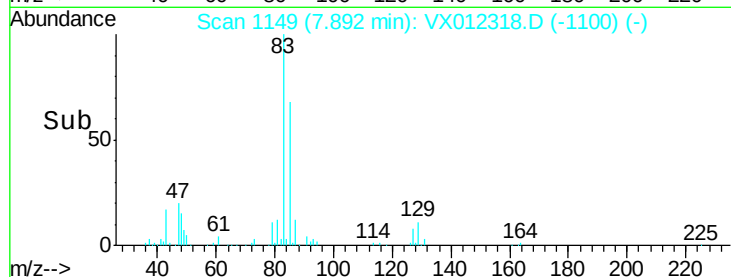
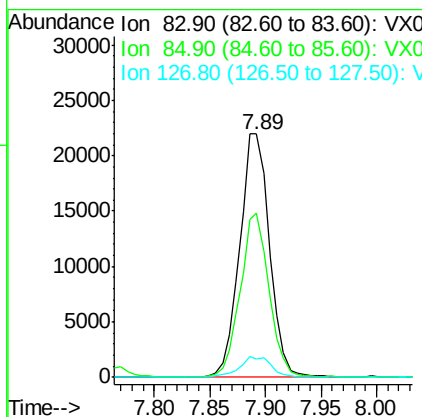
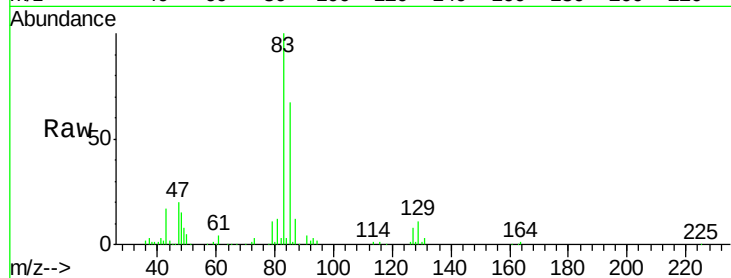
ClientSampleId :

VX0911SBS02

Tot Ion:	83	Resp:	41020
Ion	Ratio	Lower	Upper
83	100		
85	67.4	50.2	75.4
127	7.7	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.729 ug/l

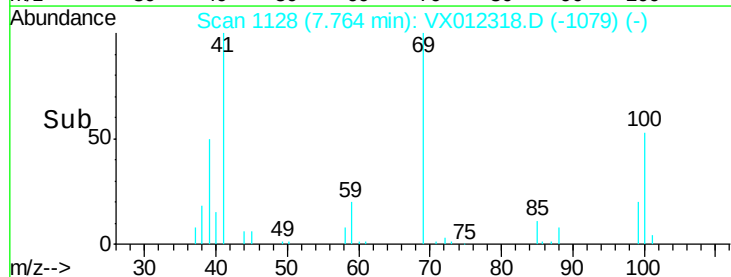
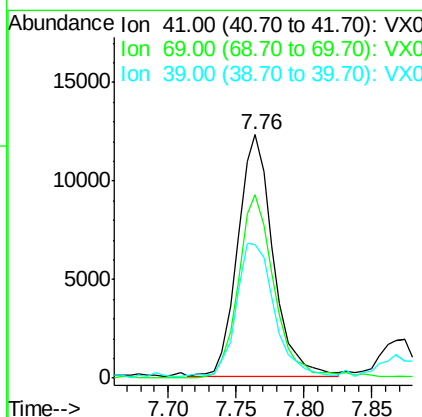
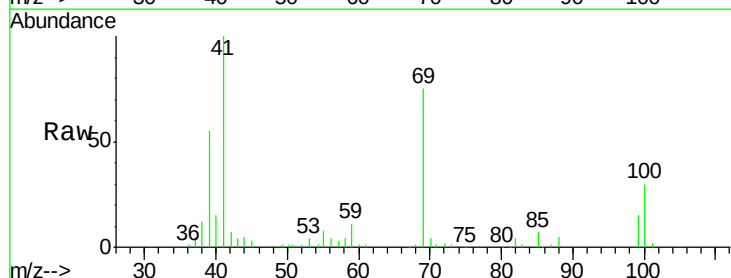
RT: 7.76 min Scan# 1128

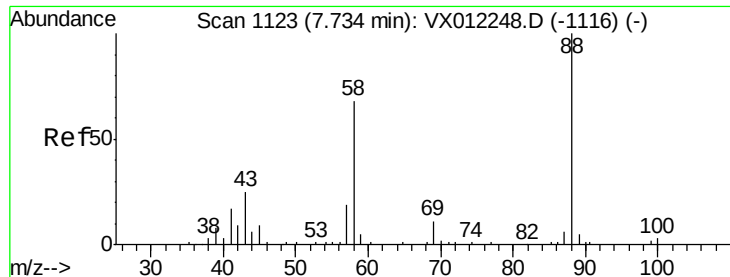
Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Tgt Ion:	41	Resp:	22152
Ion	Ratio	Lower	Upper
41	100		
69	78.4	61.8	92.6
39	60.2	48.6	73.0





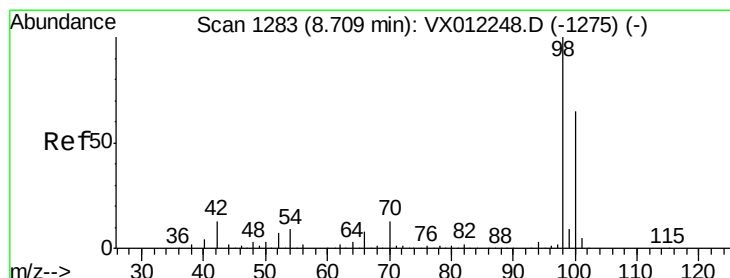
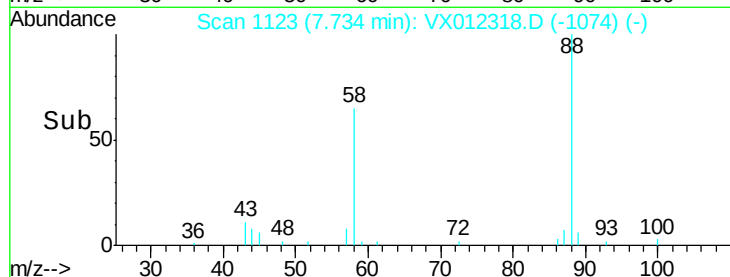
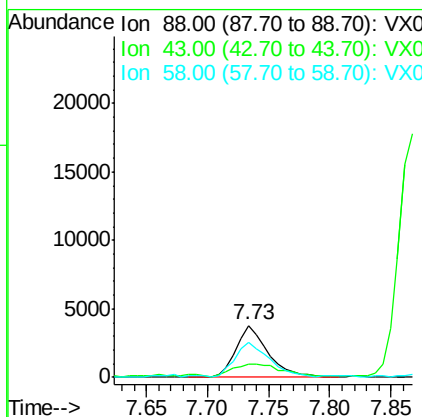
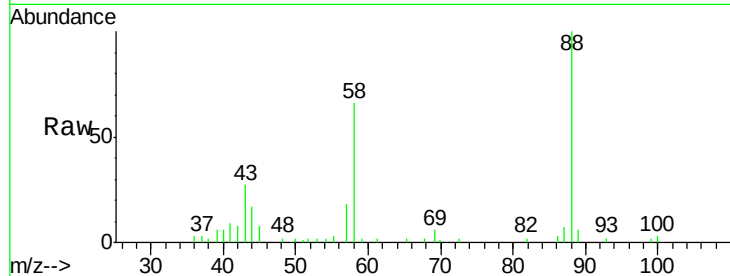
#49
1,4-Dioxane
Concen: 499.913 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	31.0	46.4
58	73.0	61.5	92.3

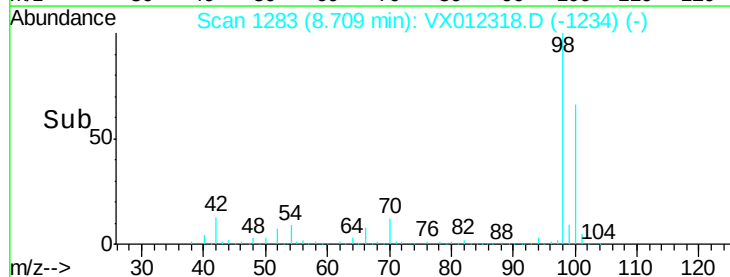
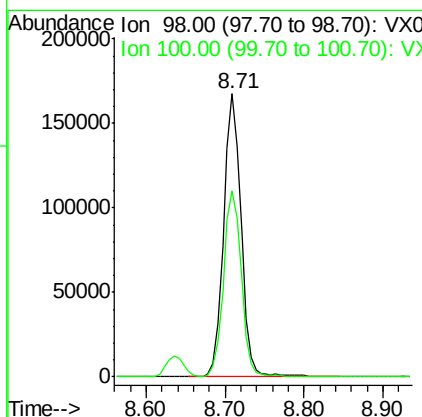
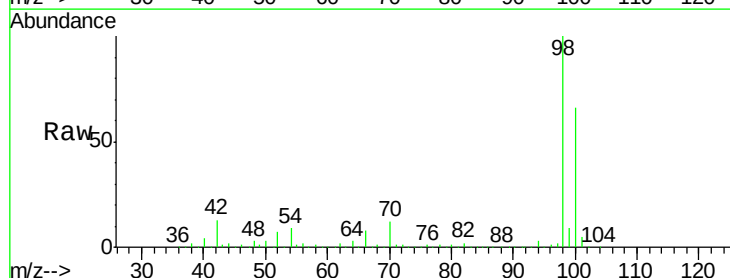
Manual Integrations
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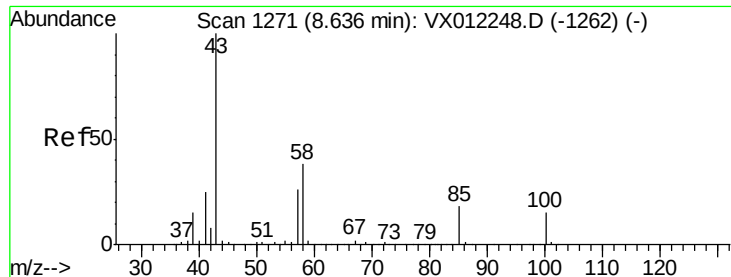
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#50
Toluene-d8
Concen: 51.175 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	54.1	81.1





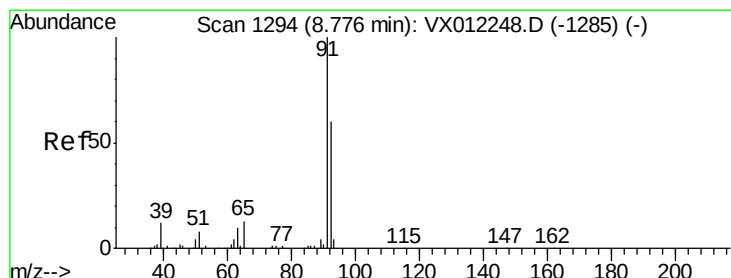
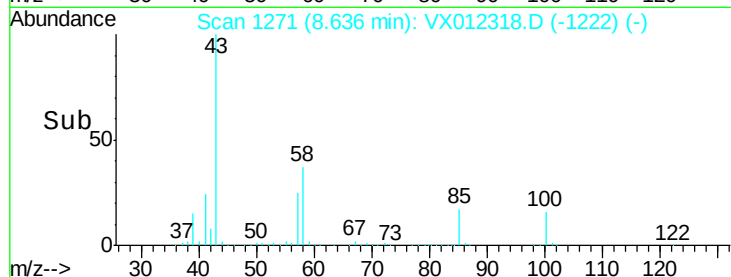
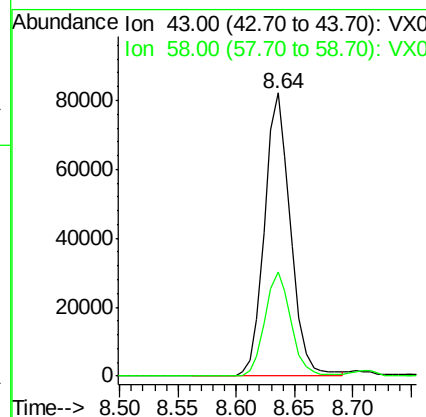
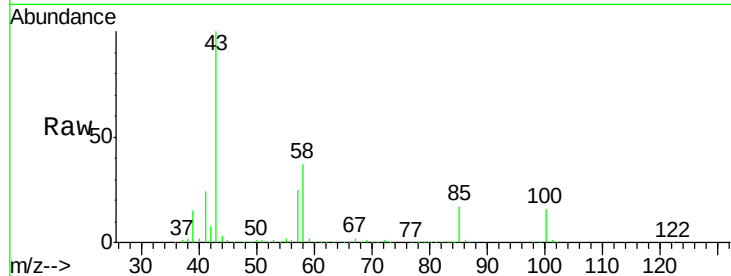
#51
4-Methyl-2-Pentanone
Concen: 113.540 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.0	30.1	45.1

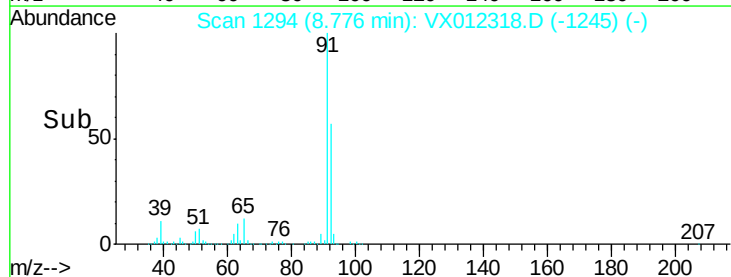
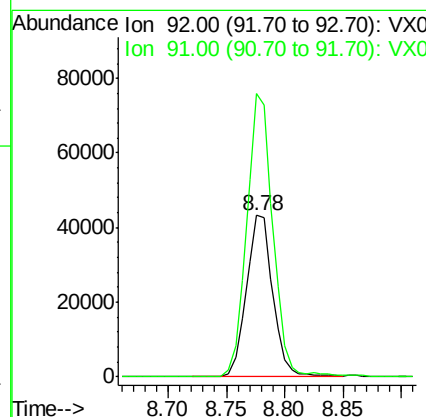
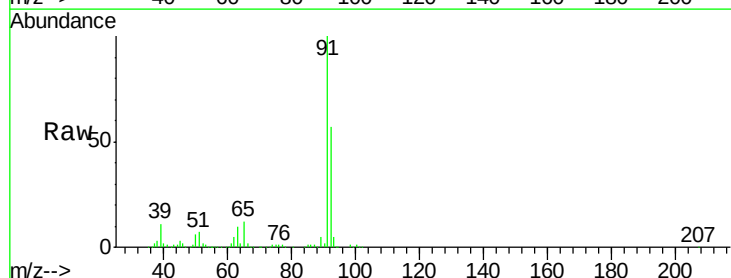
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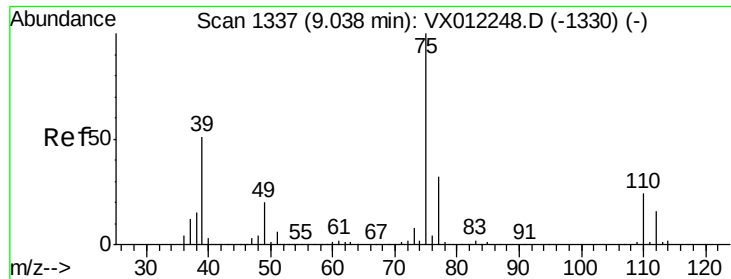
MMDadoda
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#52
Toluene
Concen: 21.063 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	133.6	200.4





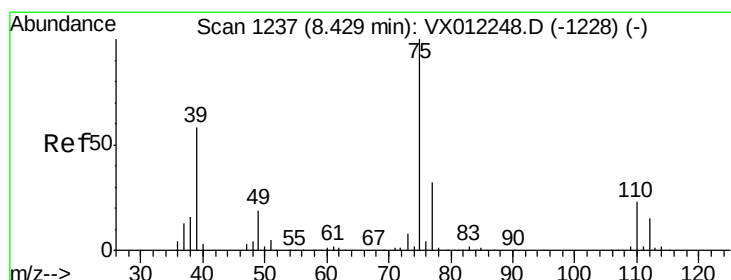
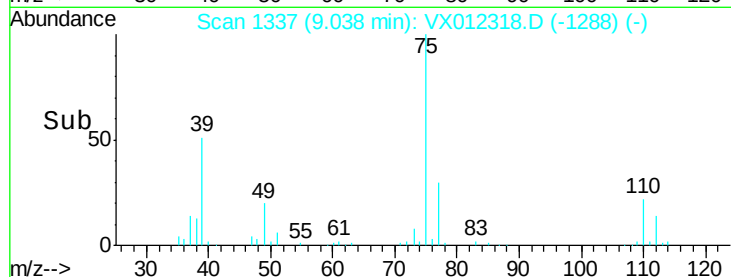
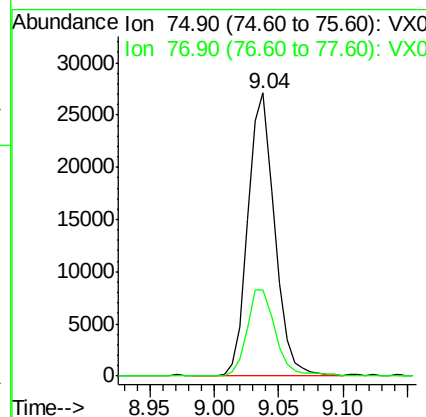
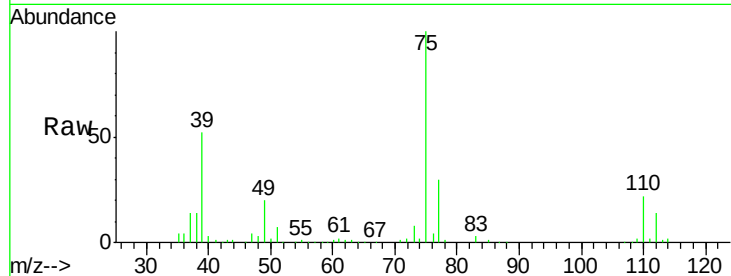
#53
 t-1,3-Dichloropropene
 Concen: 18.999 ug/l
 RT: 9.04 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion: 75 Resp: 38720
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.8 38.6

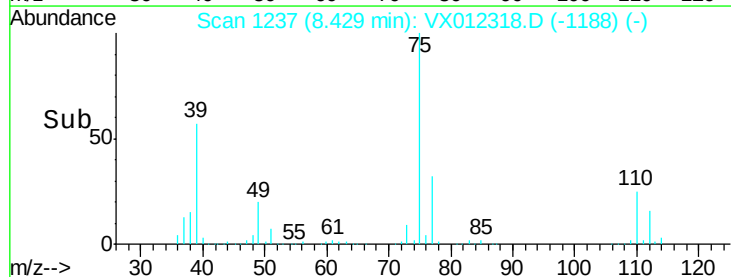
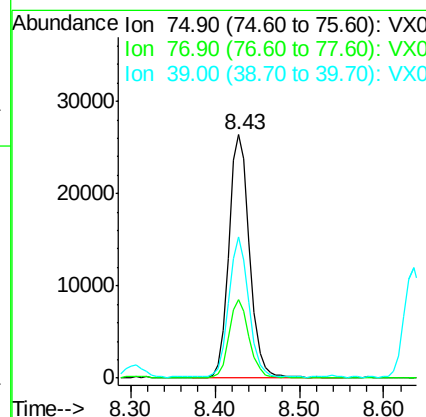
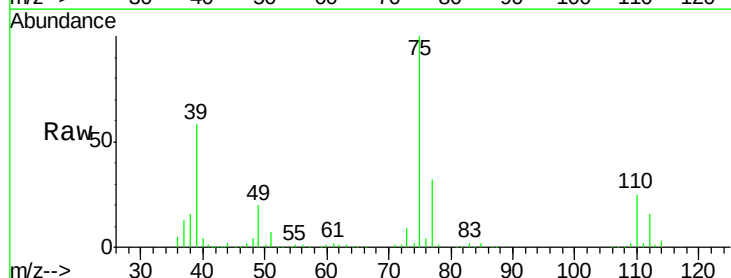
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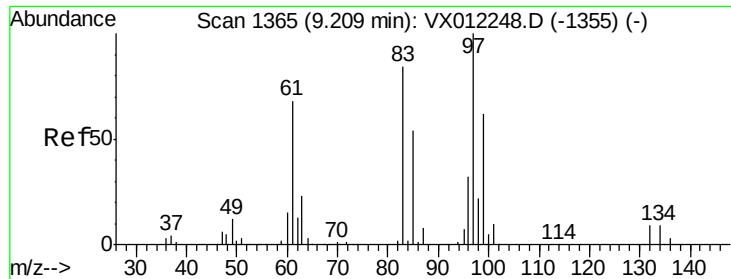
MMDadoda
 9/12/2019 9:26:50 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.731 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Tgt Ion: 75 Resp: 44591
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.2
 39 57.2 46.5 69.7





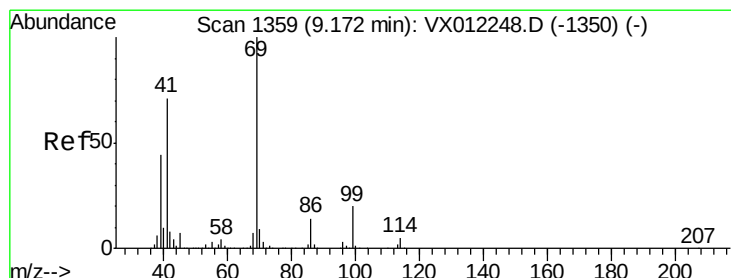
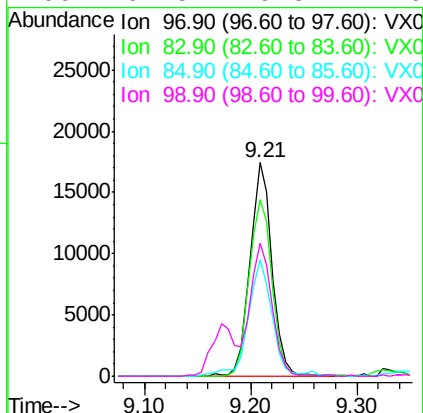
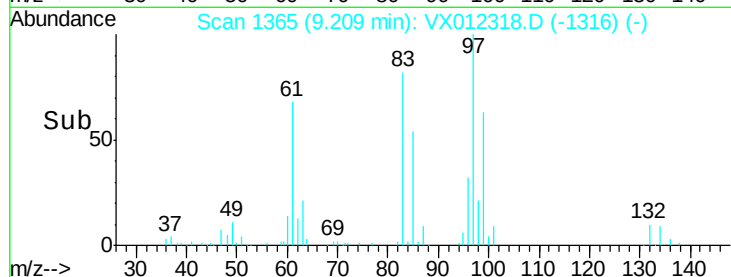
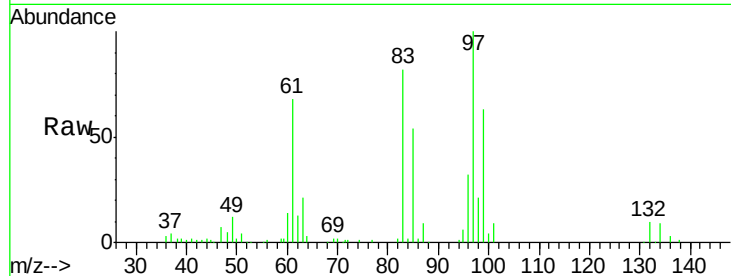
#55
 1,1,2-Trichloroethane
 Concen: 21.830 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion:	97	Resp:	25306
Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.4	101.2
85	54.3	43.4	65.2
99	62.5	49.8	74.6

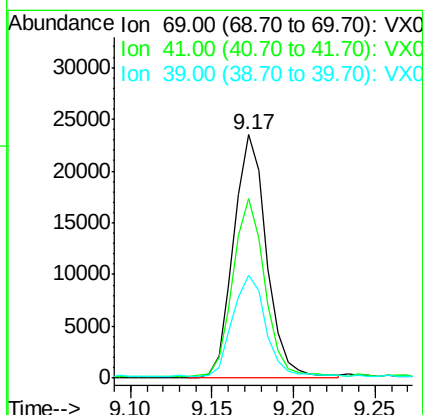
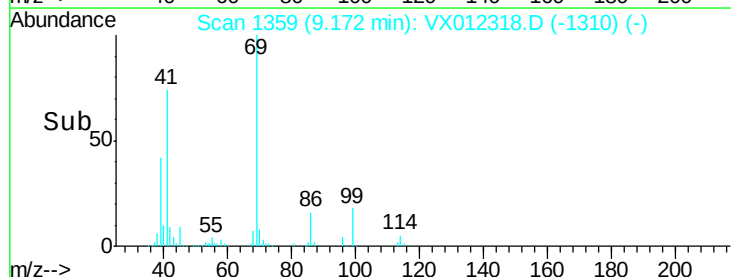
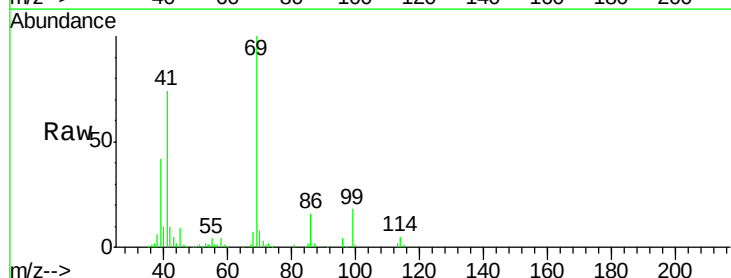
Manual Integrations
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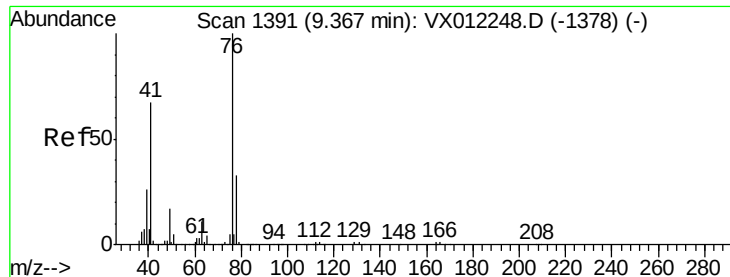
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#56
 Ethyl methacrylate
 Concen: 21.196 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Tgt Ion:	69	Resp:	33268
Ion	Ratio	Lower	Upper
69	100		
41	71.1	57.7	86.5
39	42.7	34.0	51.0





#57

1,3-Dichloropropane

Concen: 21.973 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 76 Resp: 43504

Ion Ratio Lower Upper

76 100

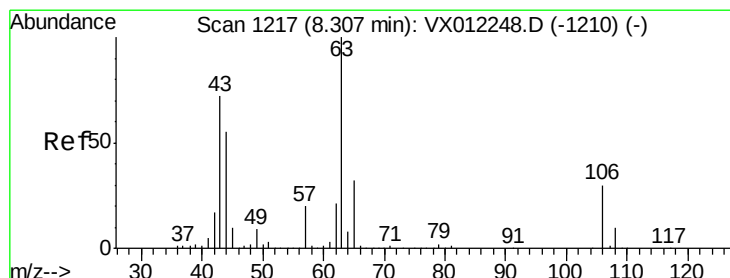
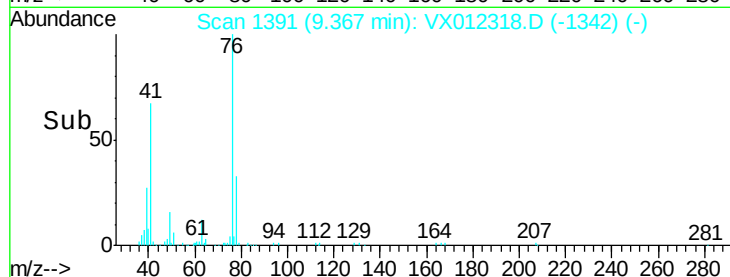
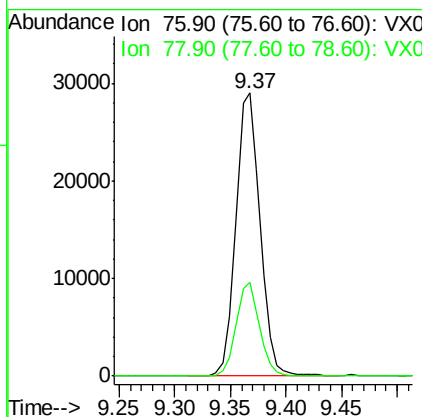
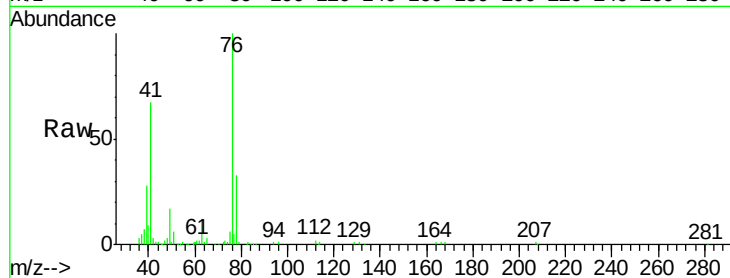
78 32.1 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 102.751 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012318.D

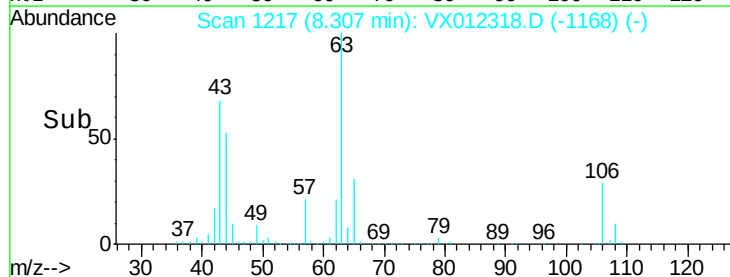
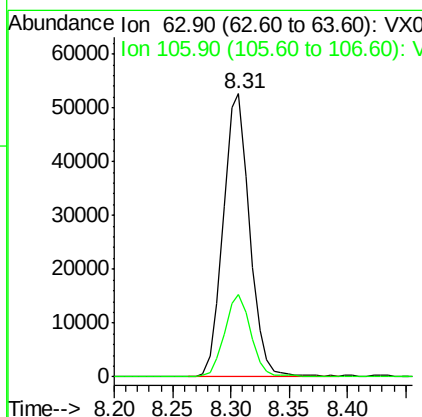
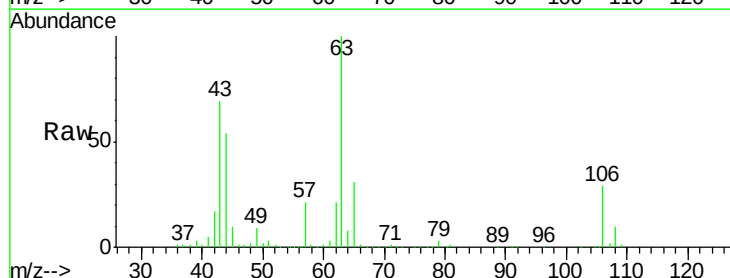
Acq: 11 Sep 2019 23:29

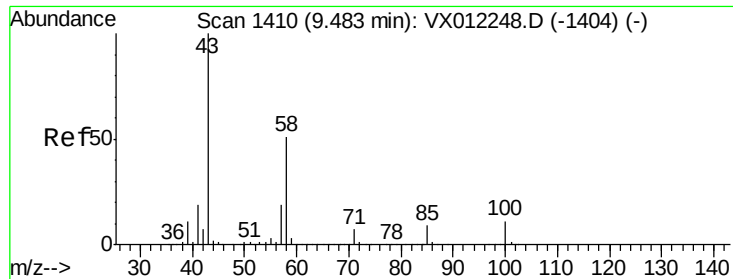
Tgt Ion: 63 Resp: 82657

Ion Ratio Lower Upper

63 100

106 29.1 23.4 35.2





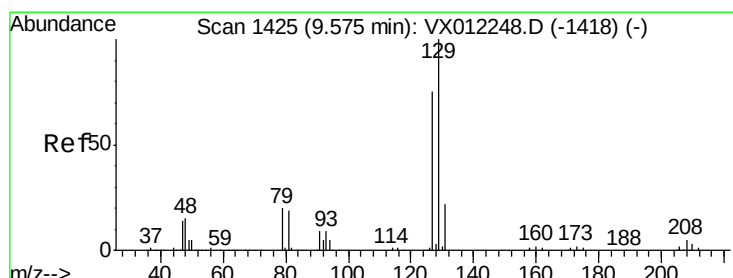
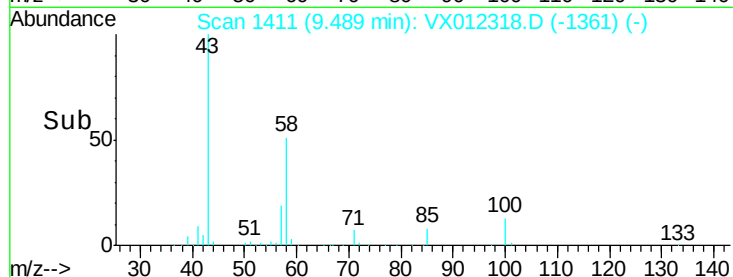
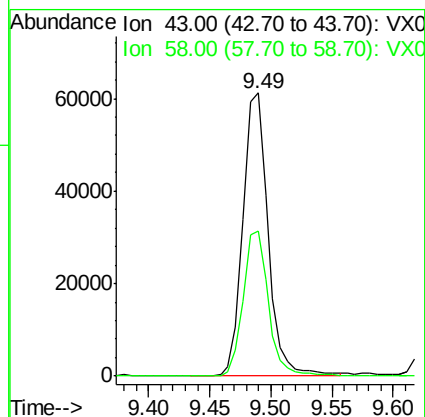
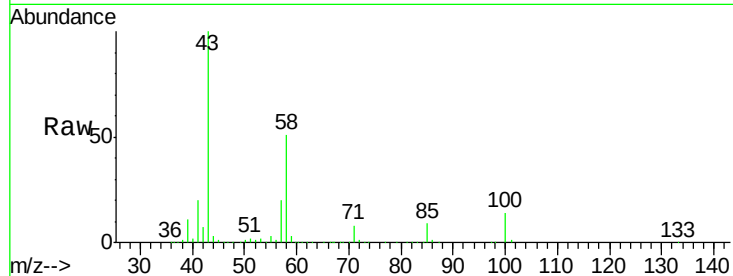
#59
2-Hexanone
Concen: 111.314 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD02

Tot Ion: 43 Resp: 87000
Ion Ratio Lower Upper
43 100
58 51.8 25.8 77.3

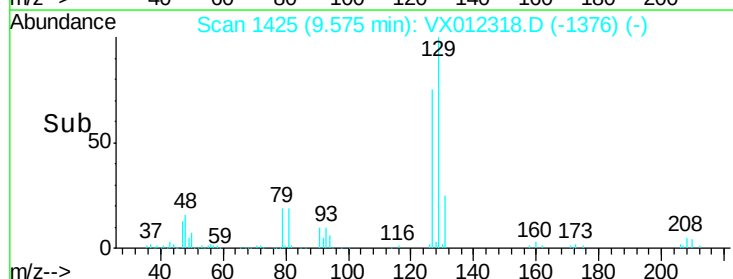
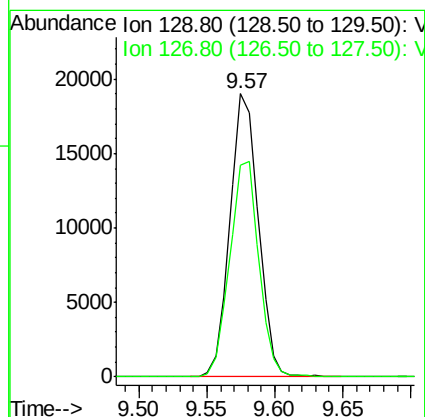
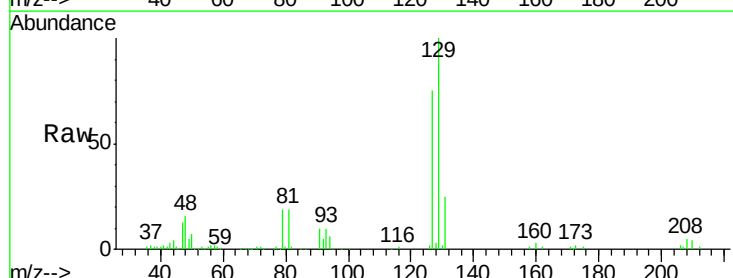
Manual Integrations
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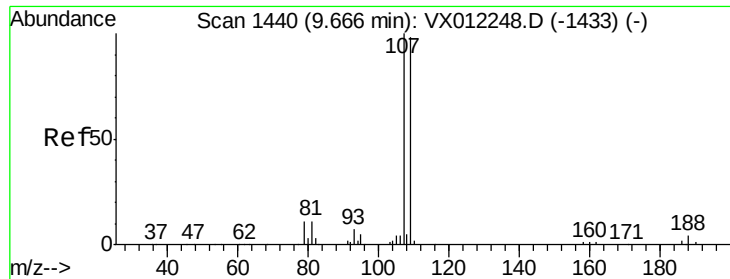
MMDadoda
9/12/2019 9:26:50 AM



#60
Dibromochloromethane
Concen: 20.437 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion: 129 Resp: 27657
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.3





#61

1,2-Dibromoethane

Concen: 21.947 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 107 Resp: 23682

Ion Ratio Lower Upper

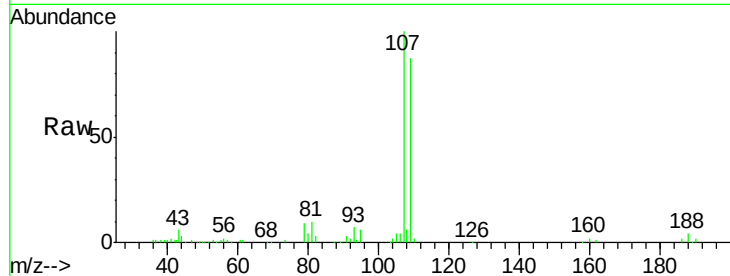
107 100

109 93.0 76.3 114.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

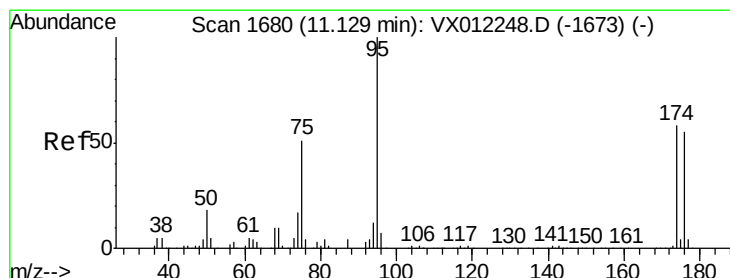
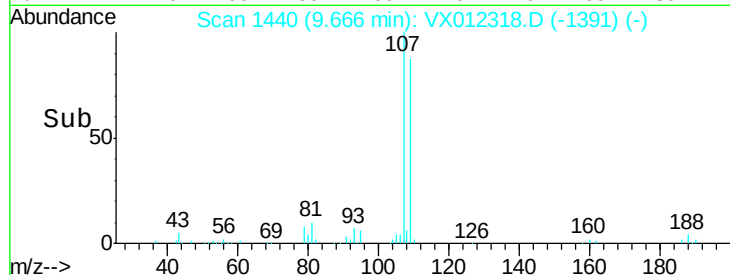
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.490 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

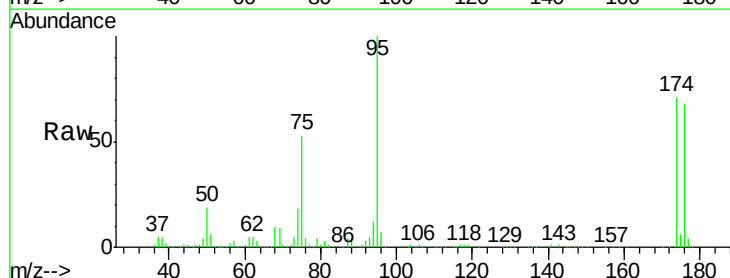
Tgt Ion: 95 Resp: 108606

Ion Ratio Lower Upper

95 100

174 68.0 0.0 127.0

176 66.1 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

100000

80000

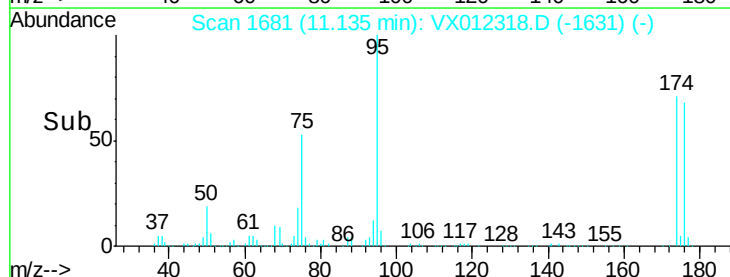
60000

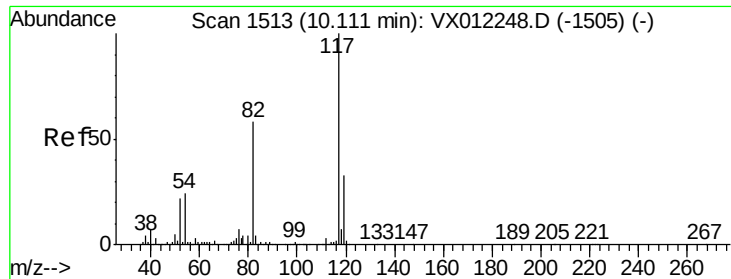
40000

20000

0

Time-->





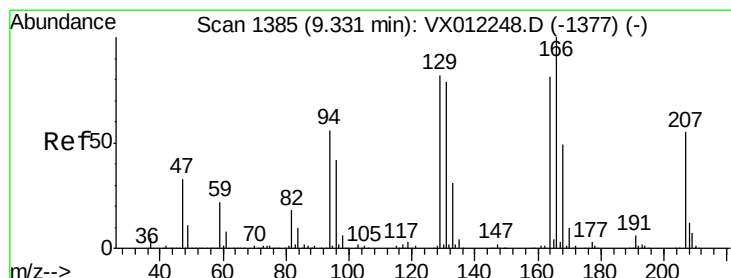
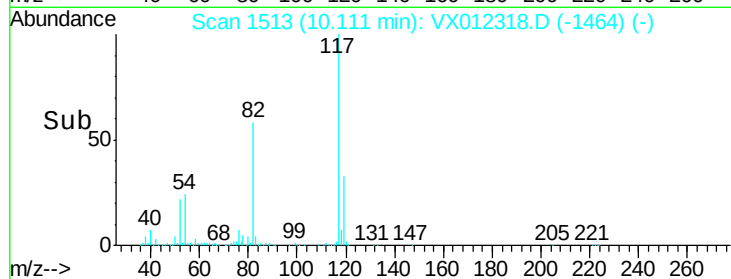
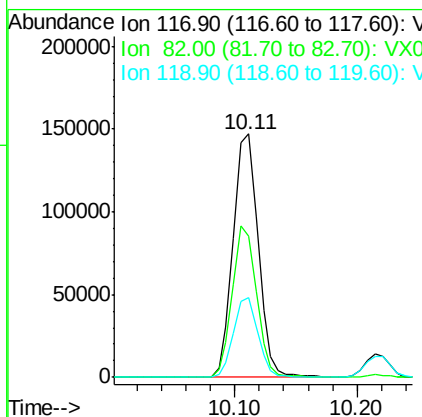
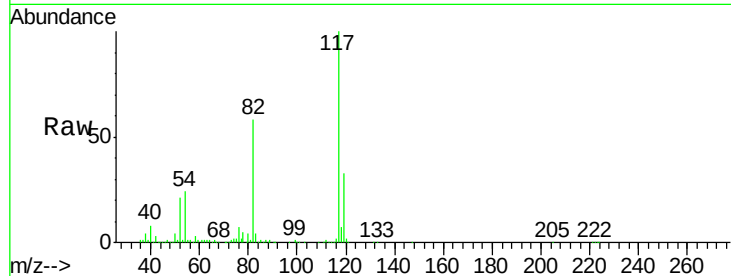
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	209039		
82	58.2		46.4	69.6
119	32.6		26.6	39.8

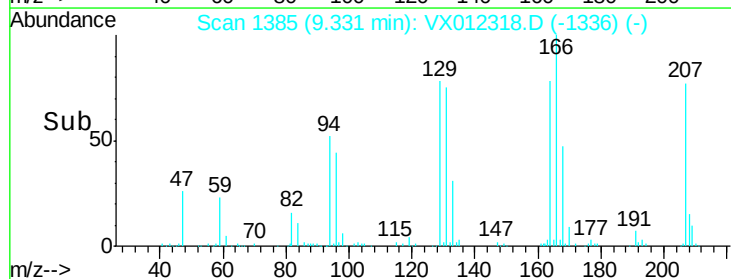
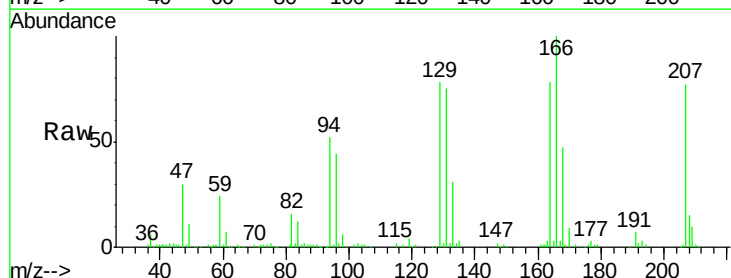
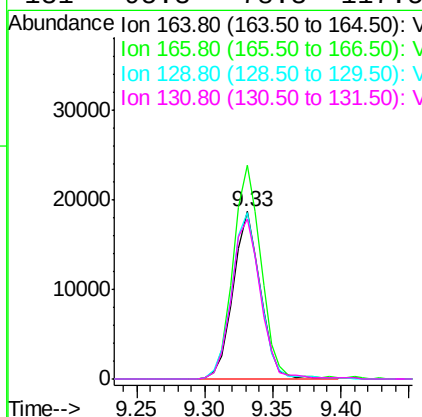
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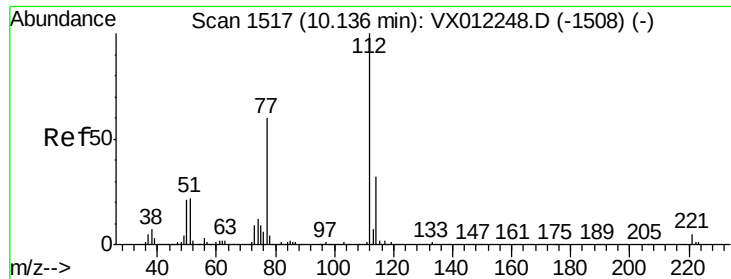
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#64
Tetrachloroethene
Concen: 23.801 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26313		
166	127.6		99.4	149.0
129	99.4		81.8	122.8
131	95.3		78.3	117.5





#65

Chlorobenzene

Concen: 21.151 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion:112 Resp: 80788

Ion Ratio Lower Upper

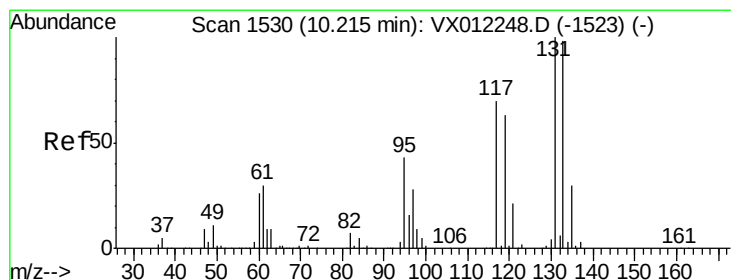
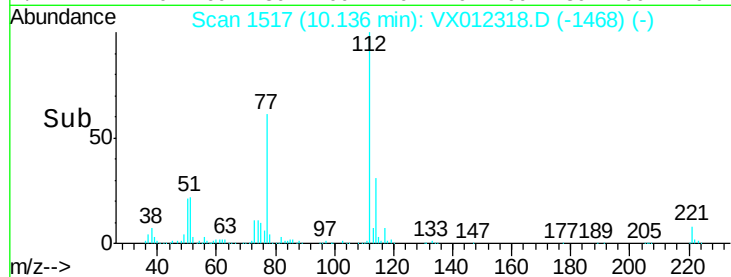
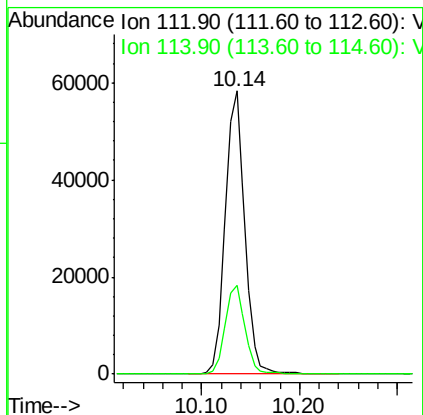
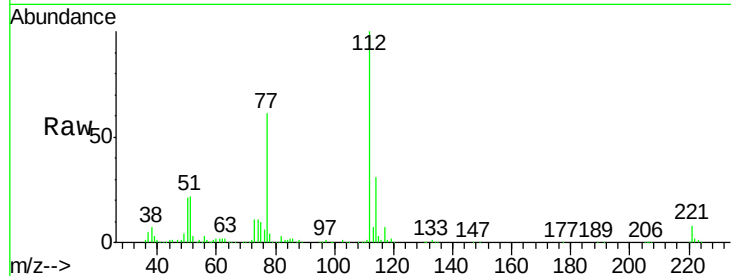
112 100

114 31.2 25.4 38.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.266 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

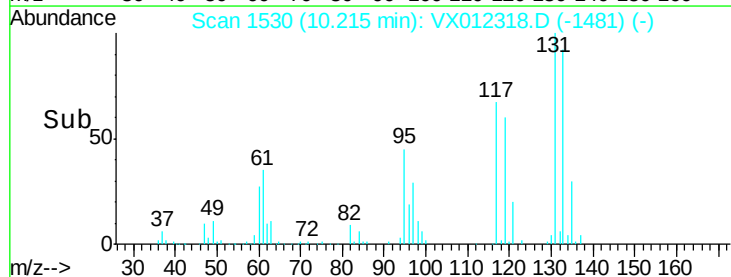
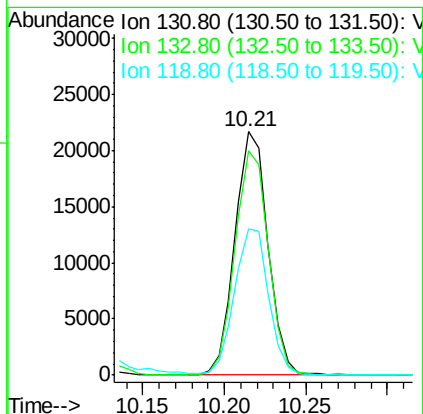
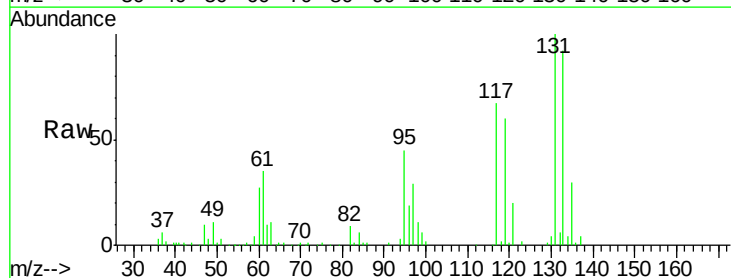
Tgt Ion:131 Resp: 30619

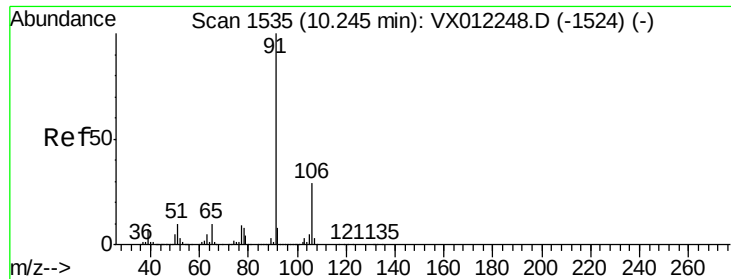
Ion Ratio Lower Upper

131 100

133 93.0 48.0 144.2

119 62.2 31.6 95.0





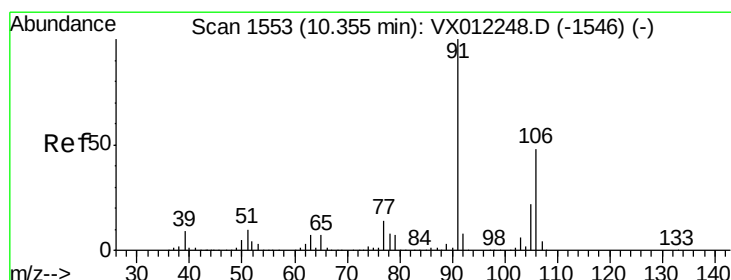
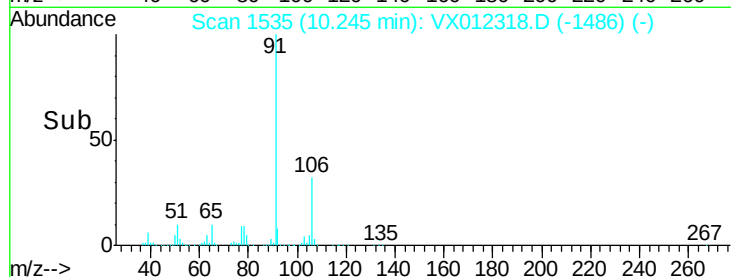
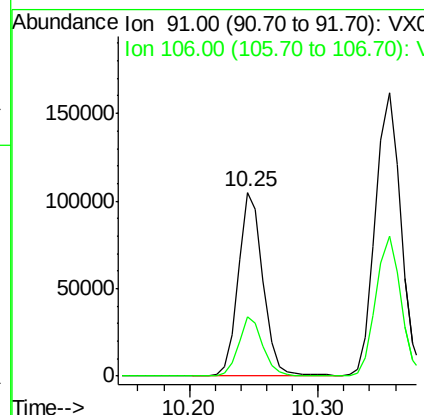
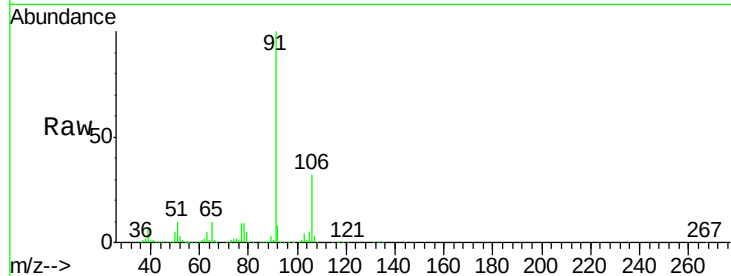
#67
Ethyl Benzene
Concen: 20.686 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion: 91 Resp: 140525
Ion Ratio Lower Upper
91 100
106 32.1 23.1 34.7

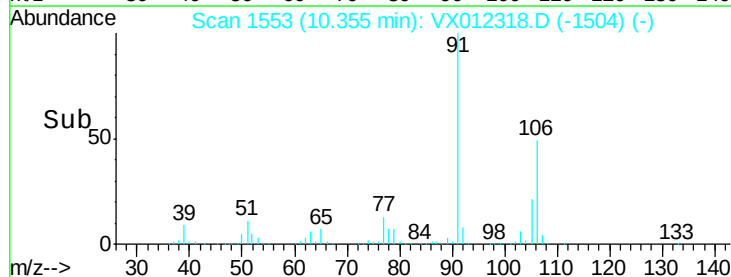
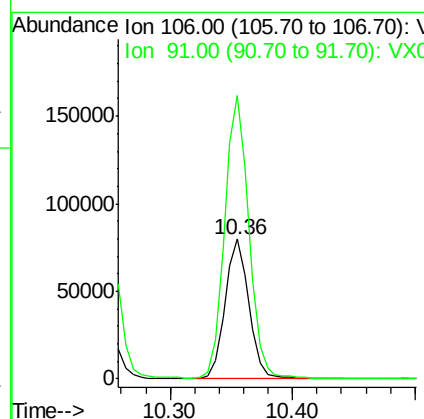
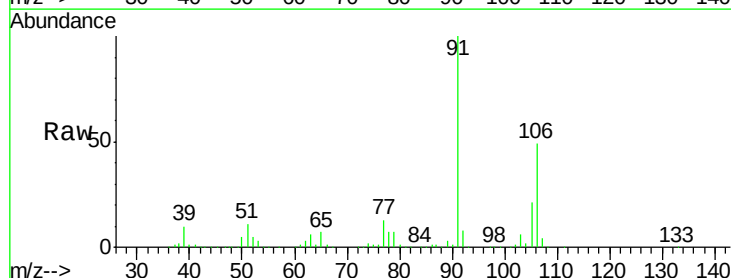
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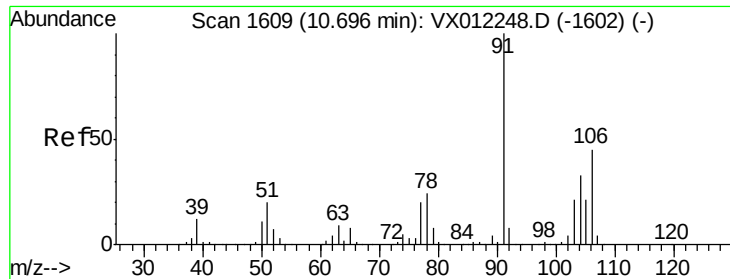
MMDadoda
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#68
m/p-Xylenes
Concen: 43.098 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion: 106 Resp: 107775
Ion Ratio Lower Upper
106 100
91 206.5 167.0 250.6





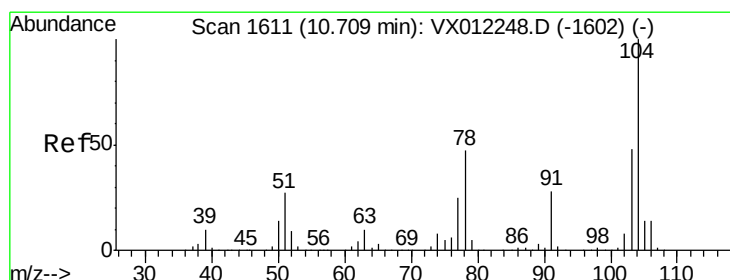
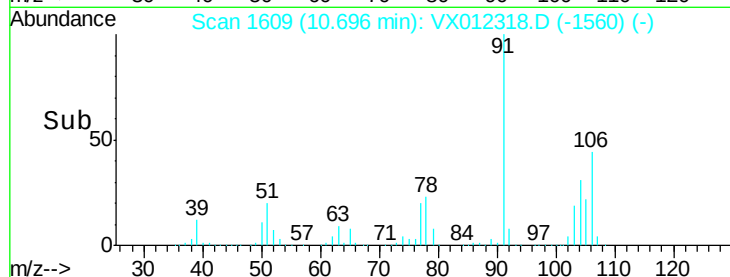
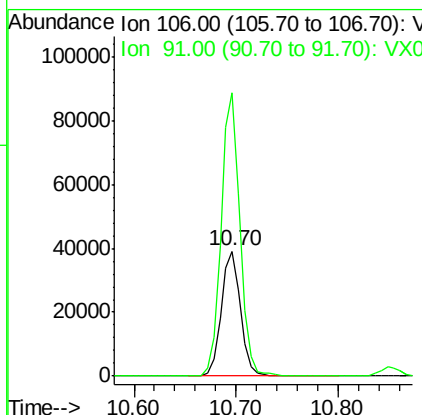
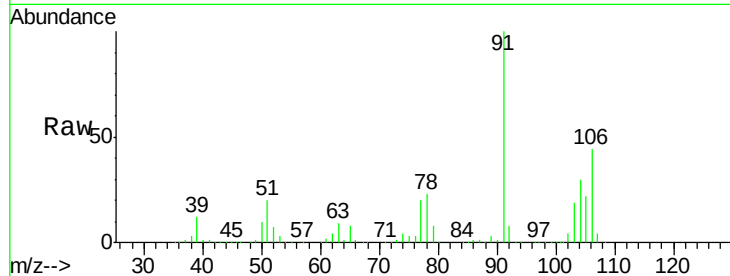
#69
o-Xylene
Concen: 21.005 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD02

Tot Ion:106 Resp: 51457
Ion Ratio Lower Upper
106 100
91 221.4 110.5 331.4

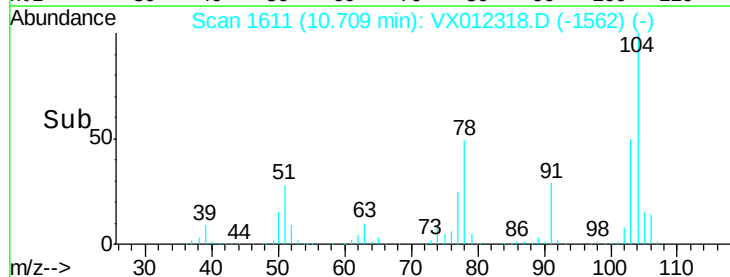
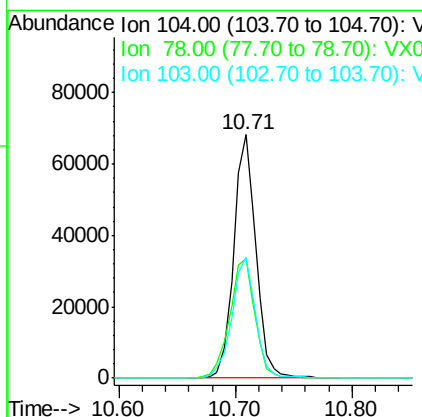
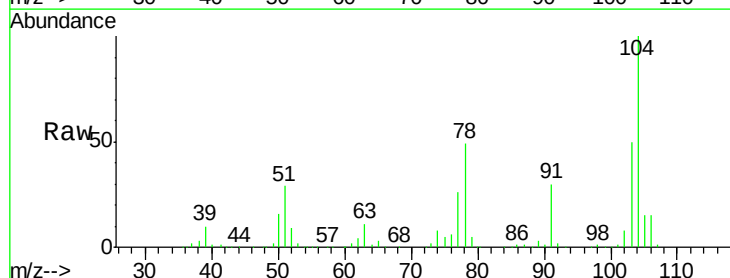
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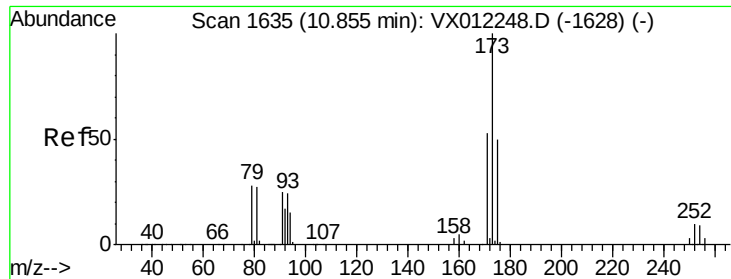
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#70
Styrene
Concen: 20.817 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion:104 Resp: 90439
Ion Ratio Lower Upper
104 100
78 55.9 44.2 66.2
103 53.4 42.5 63.7





#71

Bromoform

Concen: 20.266 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion:173 Resp: 15131

Ion Ratio Lower Upper

173 100

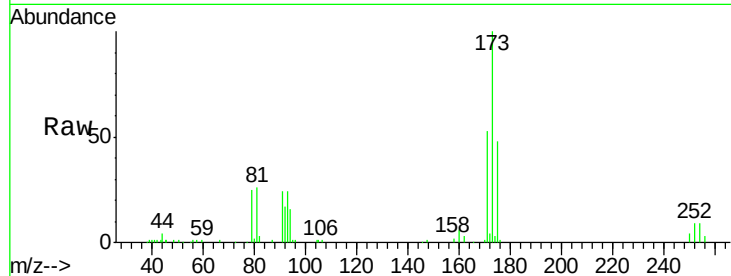
175 47.5 24.5 73.5

254 0.2 0.2 0.4#

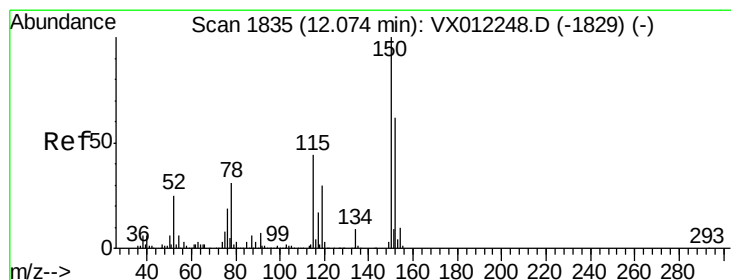
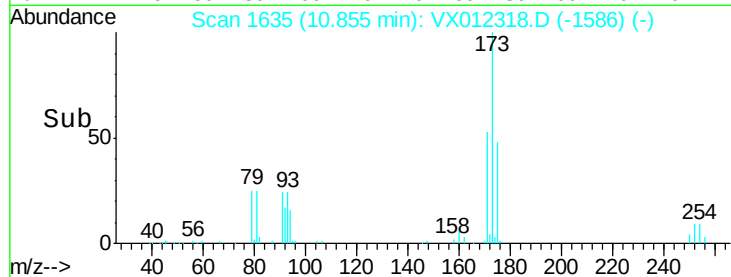
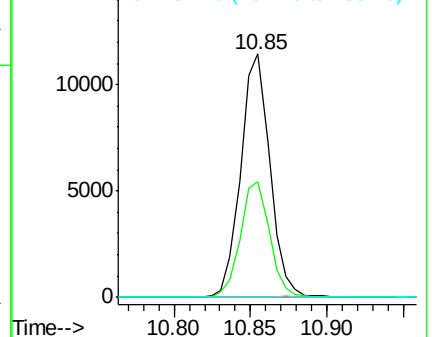
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

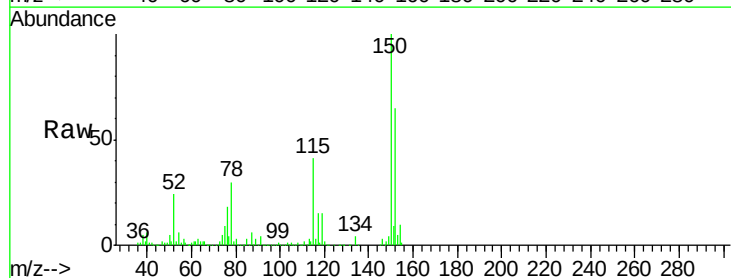
Tgt Ion:152 Resp: 107490

Ion Ratio Lower Upper

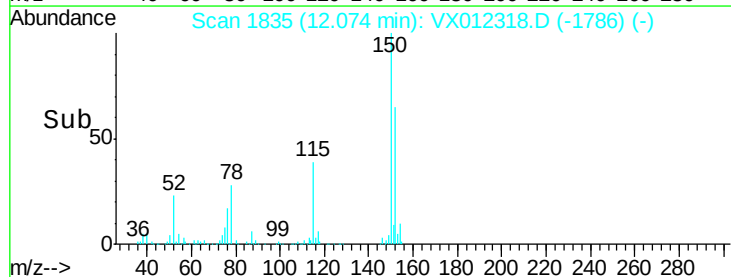
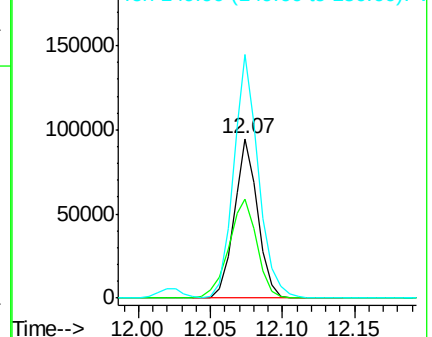
152 100

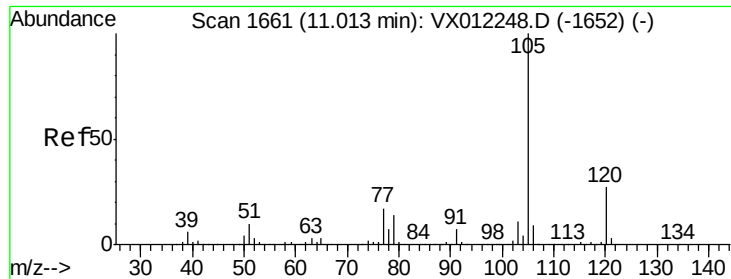
115 74.7 45.5 136.4

150 162.7 0.0 346.4



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: 19.806 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBSD02

Tot Ion: 105 Resp: 140153

Ion Ratio Lower Upper

105 100

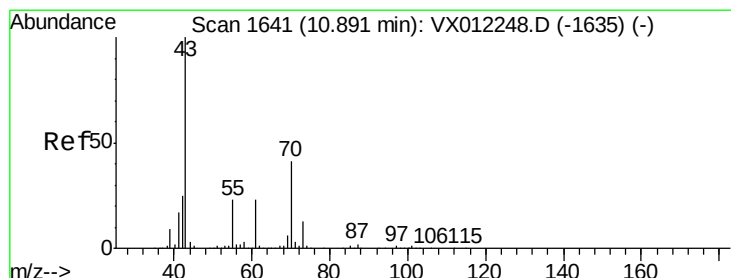
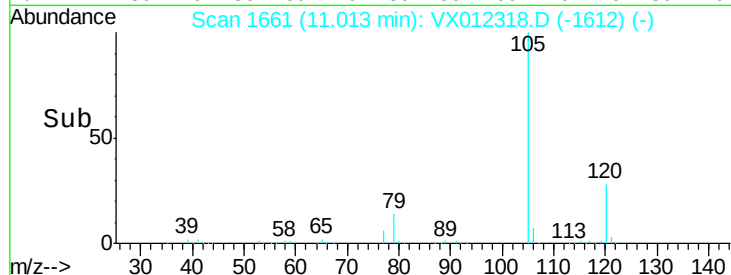
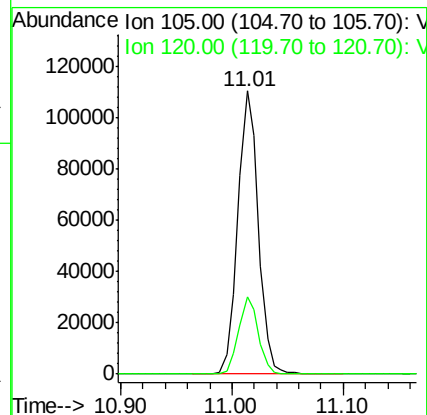
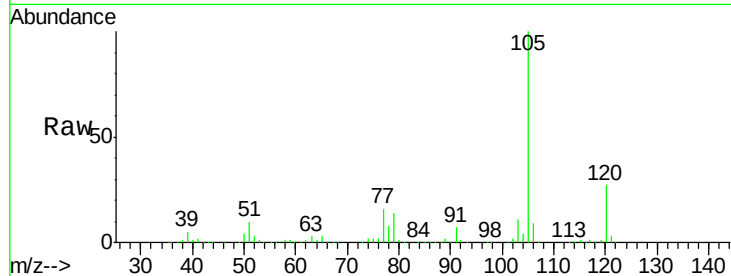
120 26.4 13.2 39.5

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#74

N-ethyl acetate

Concen: 19.027 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Tgt Ion: 43 Resp: 40034

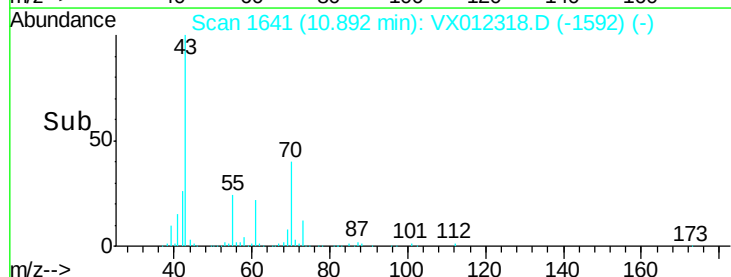
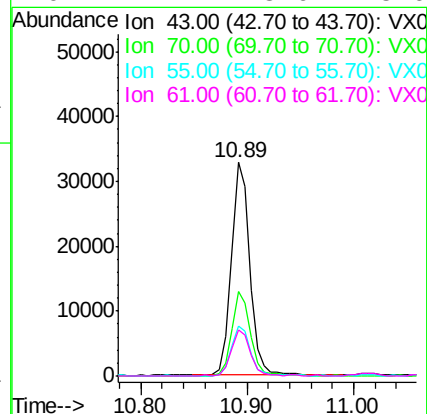
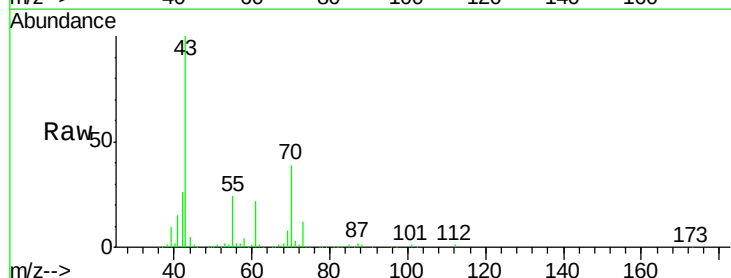
Ion Ratio Lower Upper

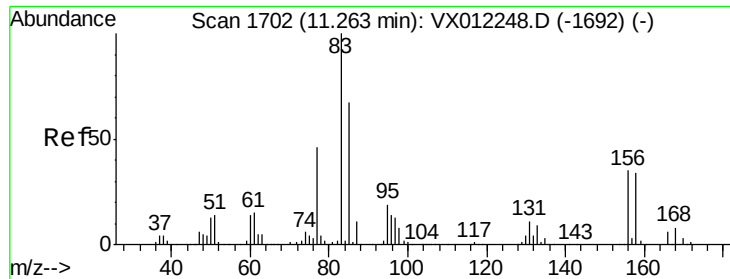
43 100

70 40.3 32.9 49.3

55 25.0 19.1 28.7

61 22.4 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.153 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 83 Resp: 32147

Ion Ratio Lower Upper

83 100

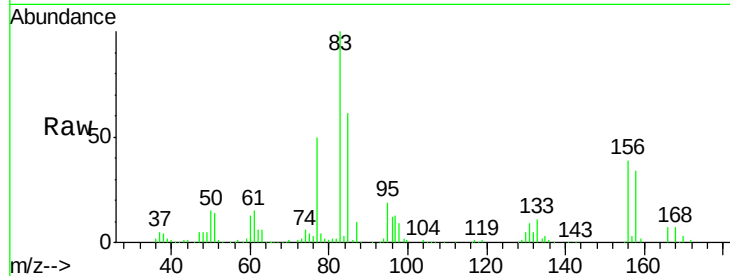
131 10.4 5.5 16.4

85 63.4 32.8 98.4

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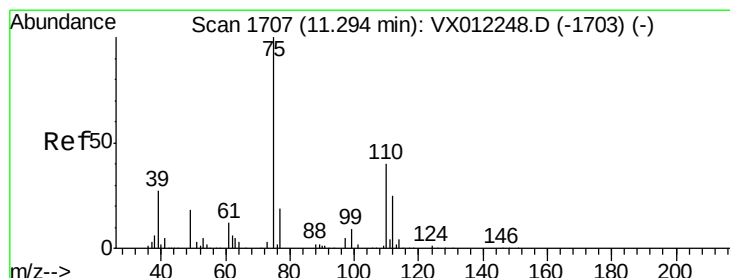
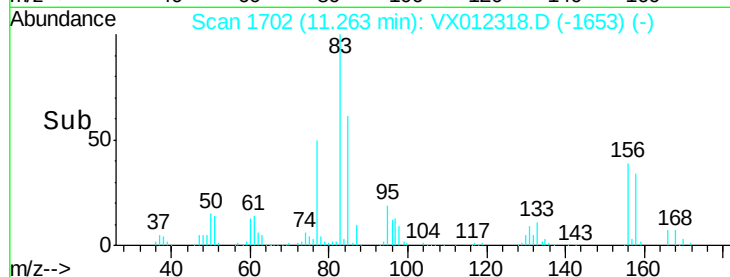
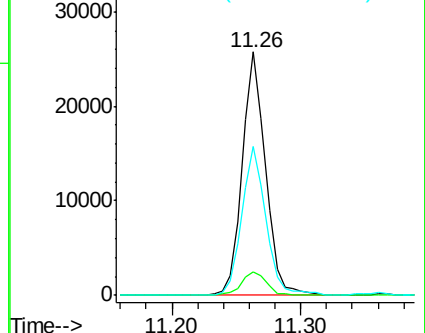
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.426 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX012318.D

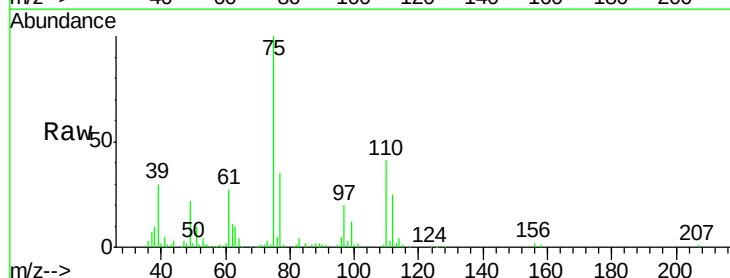
Acq: 11 Sep 2019 23:29

Tgt Ion: 75 Resp: 28205

Ion Ratio Lower Upper

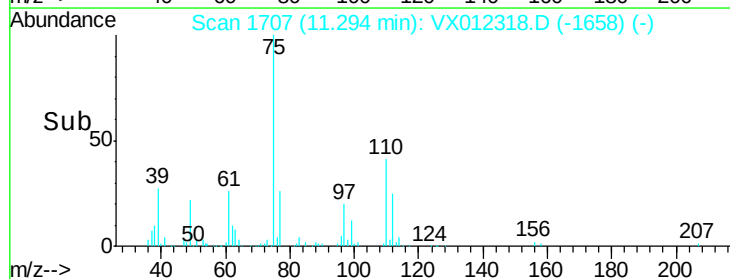
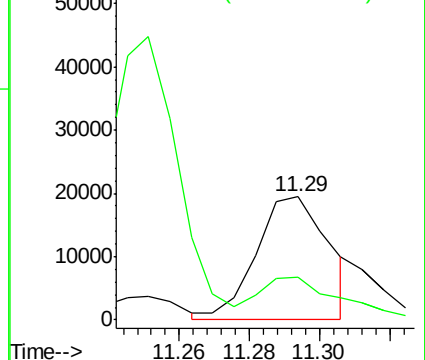
75 100

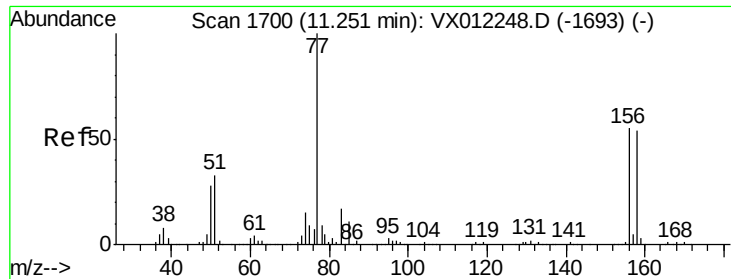
77 38.4 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.197 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

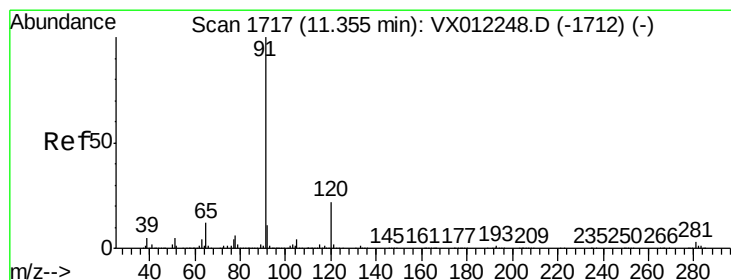
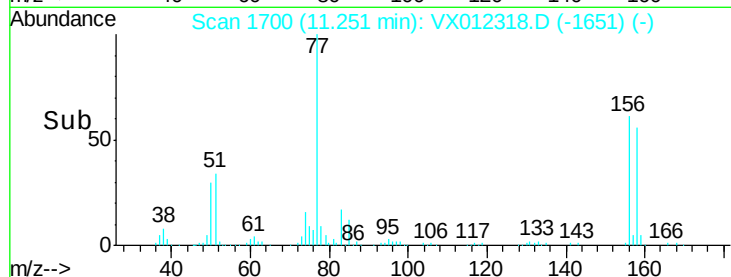
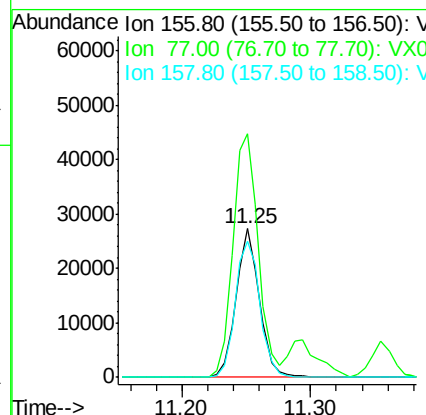
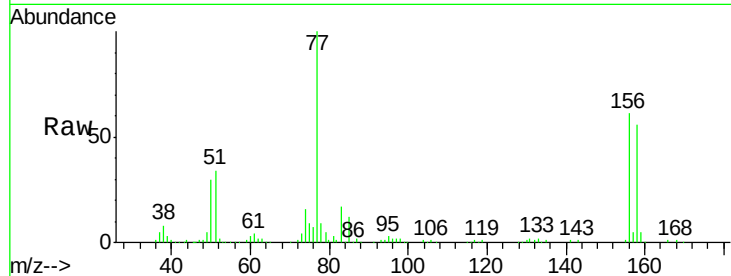
ClientSampleId :

VX0911SBS02

Tot Ion:	156	Resp:	34535
Ion Ratio	Lower	Upper	
156	100		
77	178.4	92.2	276.6
158	97.2	48.8	146.3

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#78

n-propylbenzene

Concen: 19.866 ug/l

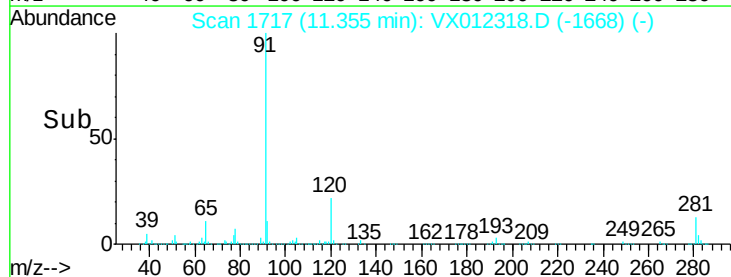
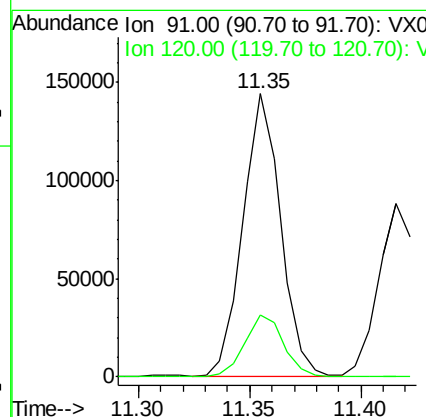
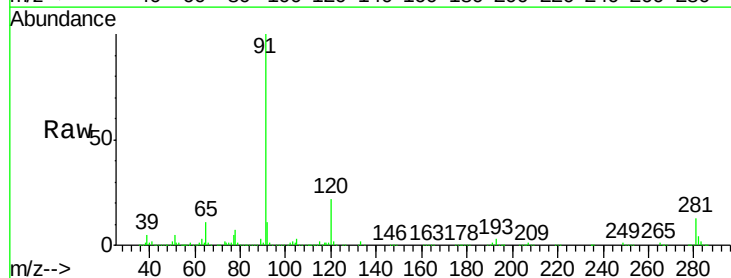
RT: 11.35 min Scan# 1717

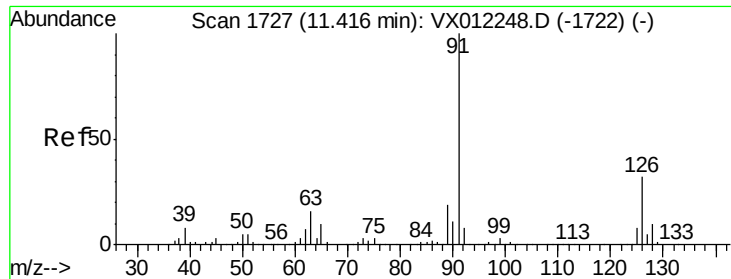
Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Tgt Ion:	91	Resp:	169767
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.2	33.6





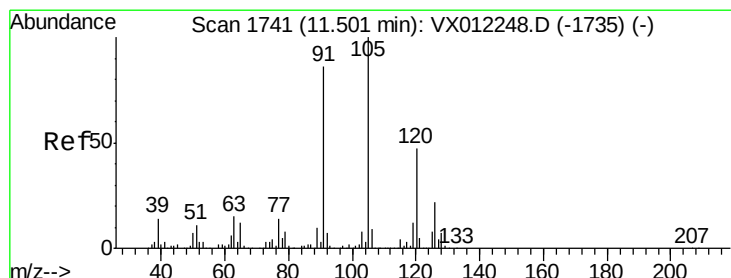
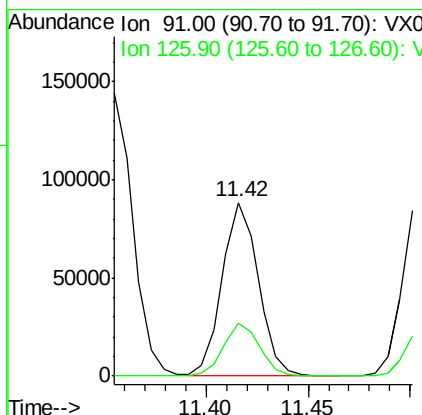
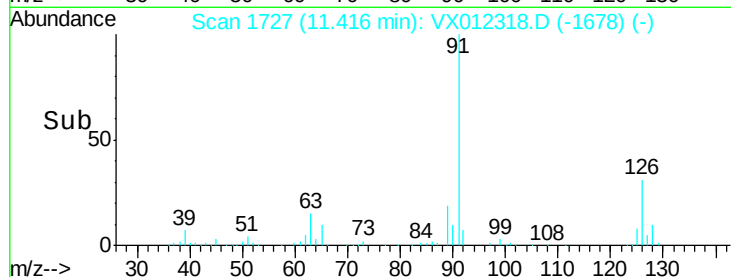
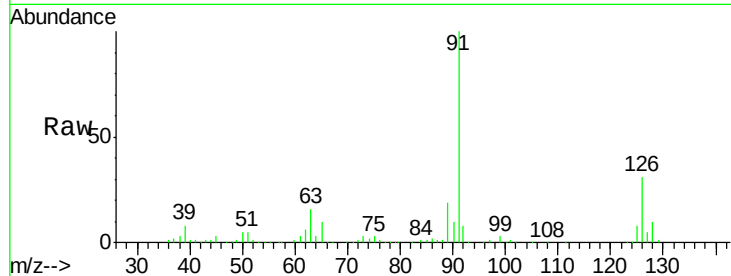
#79
 2-Chlorotoluene
 Concen: 20.369 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion: 91 Resp: 107839
 Ion Ratio Lower Upper
 91 100
 126 30.9 15.9 47.7

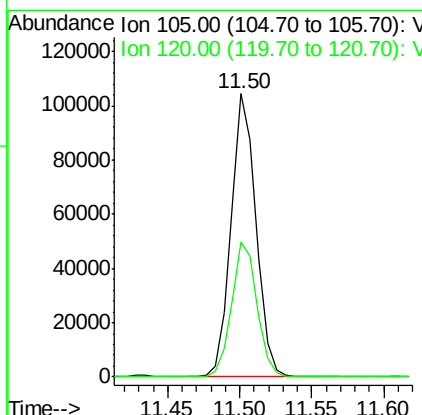
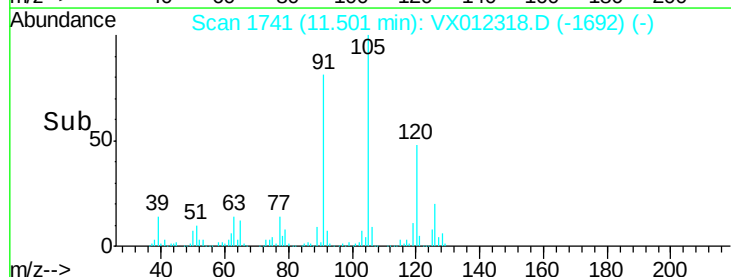
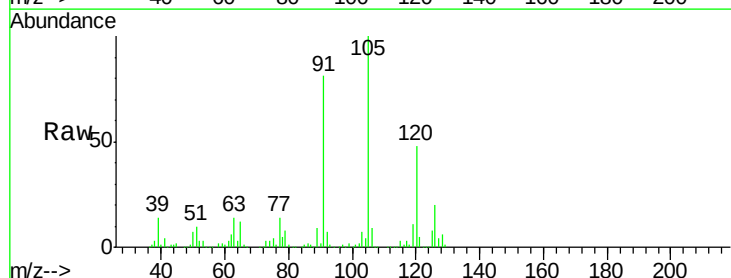
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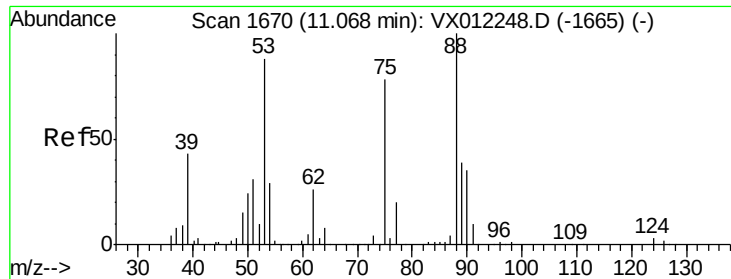
MMDadoda
 9/12/2019 9:26:50 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.058 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Tgt Ion: 105 Resp: 127646
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.7 71.1





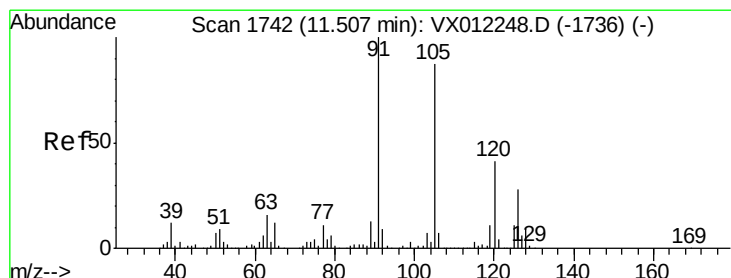
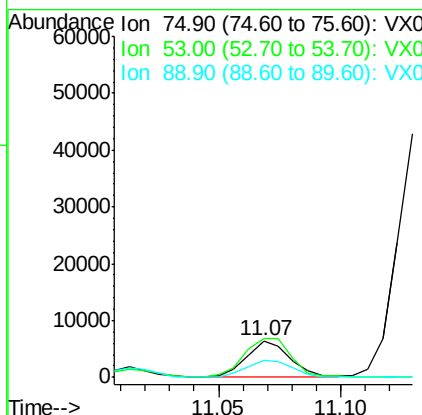
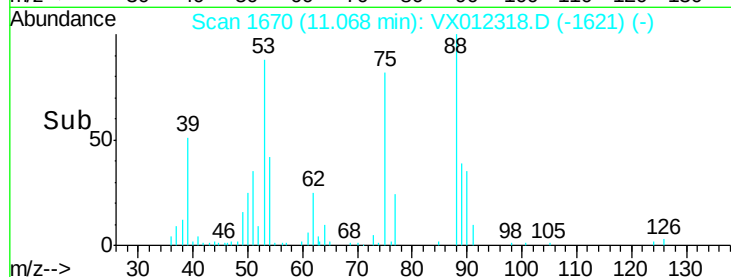
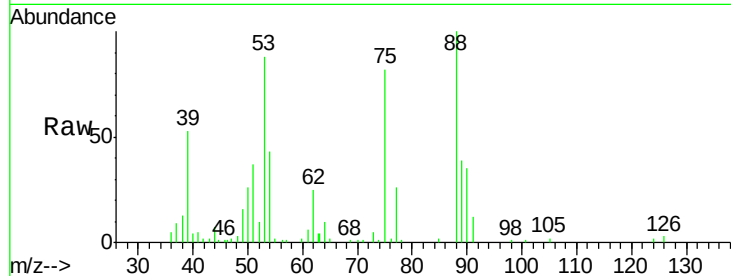
#81
trans-1,4-Dichloro-2-butene
Concen: 17.070 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.1	88.1	132.1
89	52.5	43.5	65.3

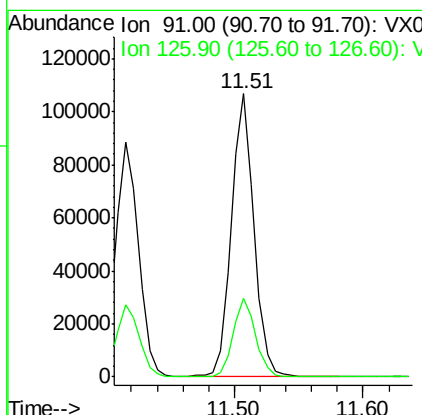
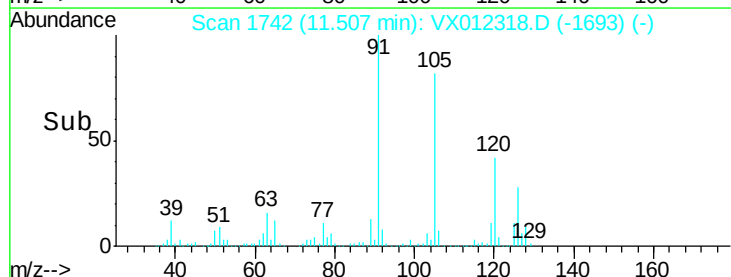
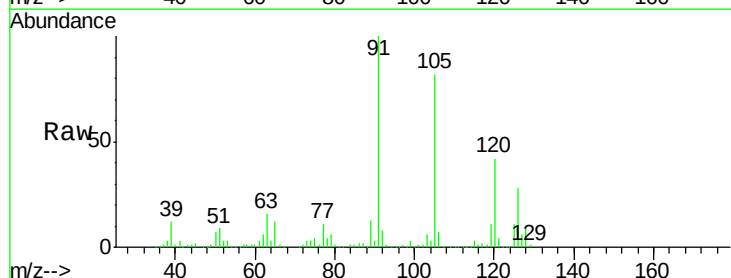
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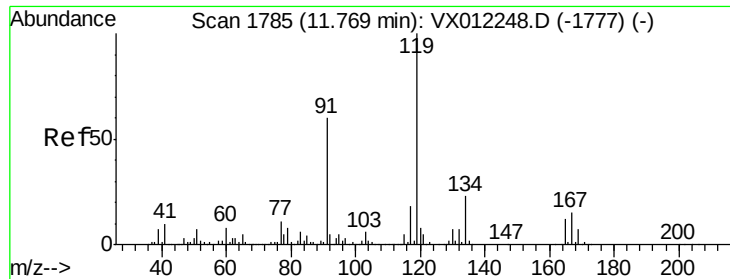
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.456 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.0	42.0





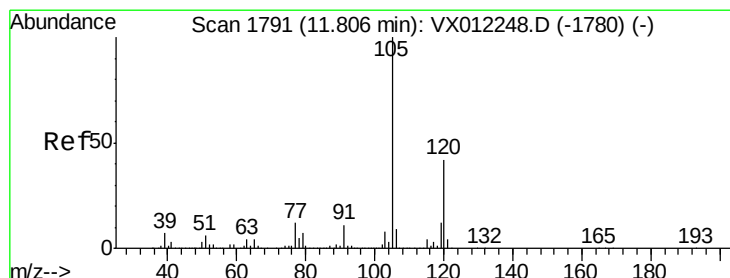
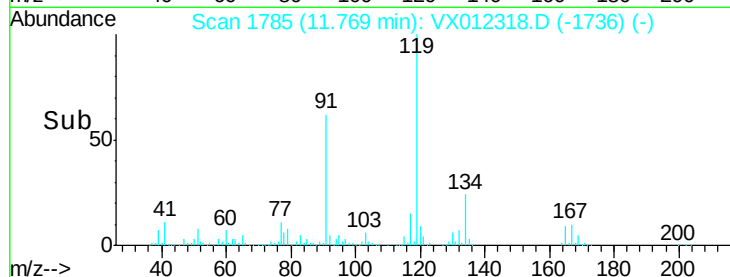
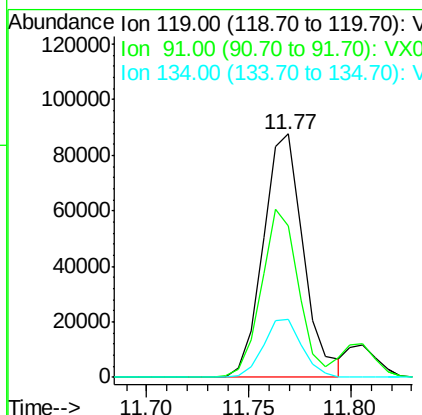
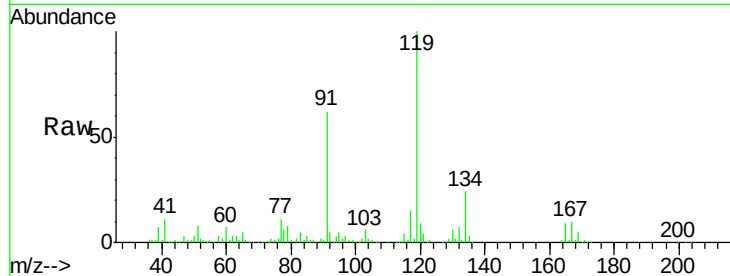
#83
 tert-Butylbenzene
 Concen: 19.492 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	120447		
91	63.6	30.9	92.8	
134	23.1	11.2	33.6	

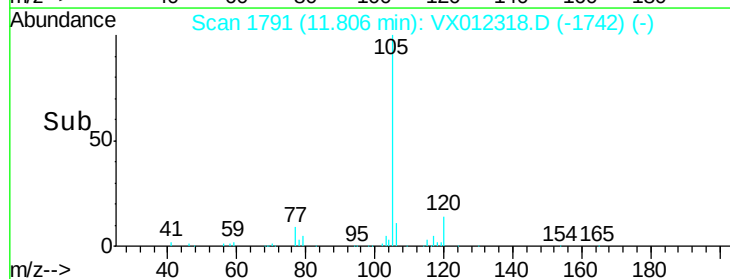
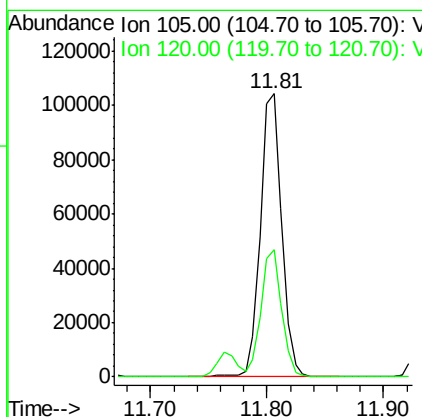
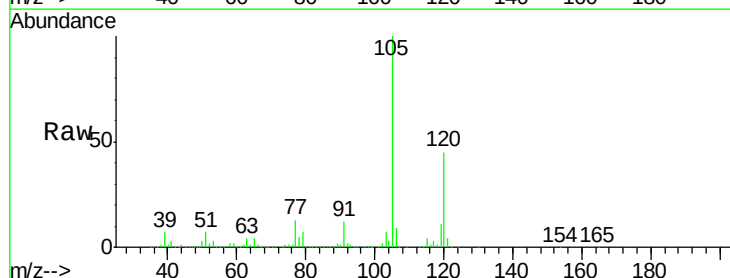
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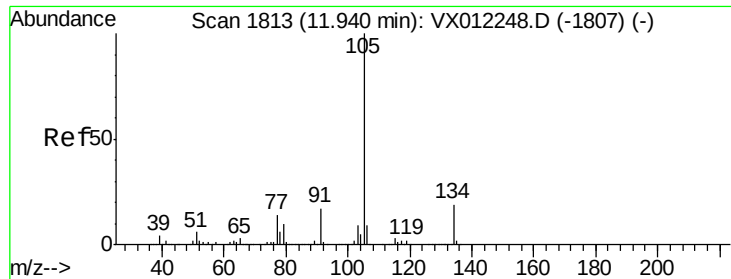
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.236 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	133121		
120	43.5	21.3	63.9	





#85

sec-Butylbenzene

Concen: 19.874 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

Instrument :

MSVOA_X

ClientSampled :

VX0911SBS02

Tot Ion:105 Resp: 146533

Ion Ratio Lower Upper

105 100

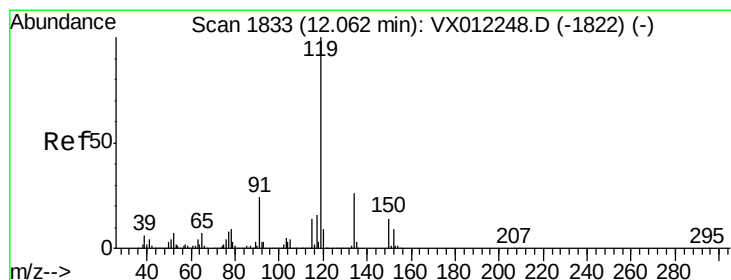
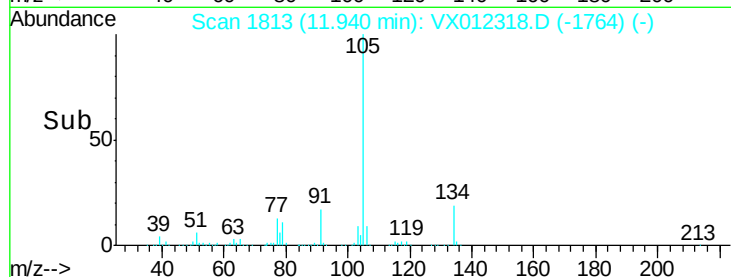
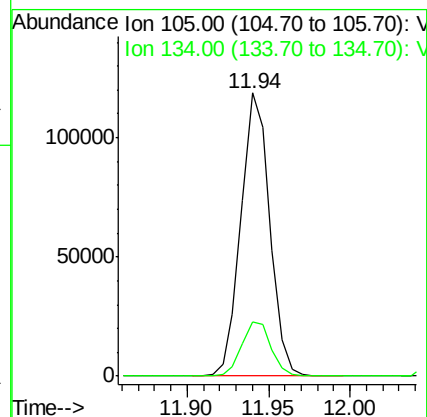
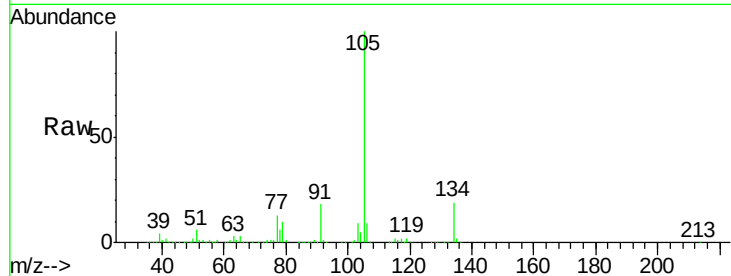
134 19.8 9.9 29.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.727 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012318.D

Acq: 11 Sep 2019 23:29

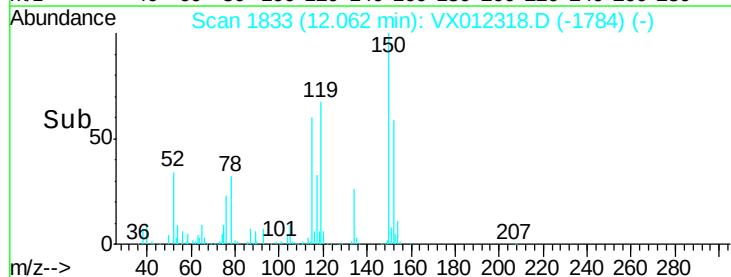
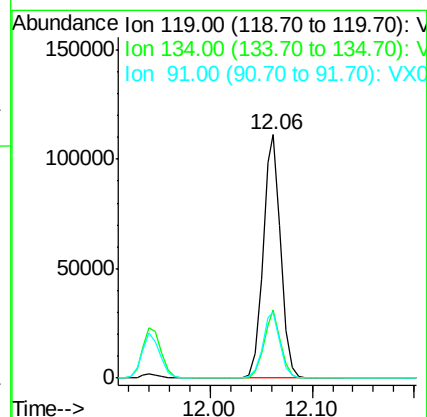
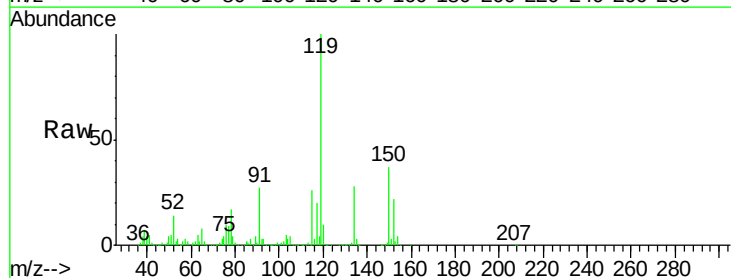
Tgt Ion:119 Resp: 134391

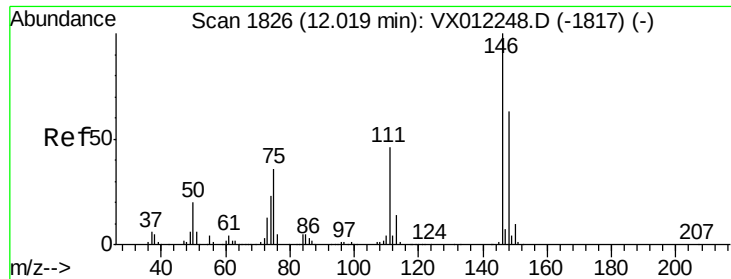
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 27.0 13.1 39.1





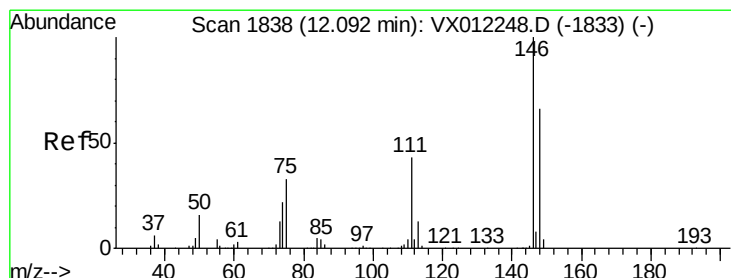
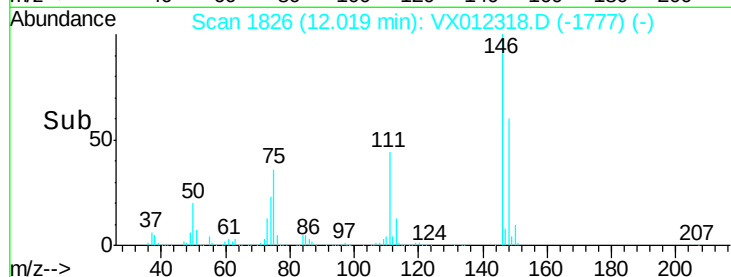
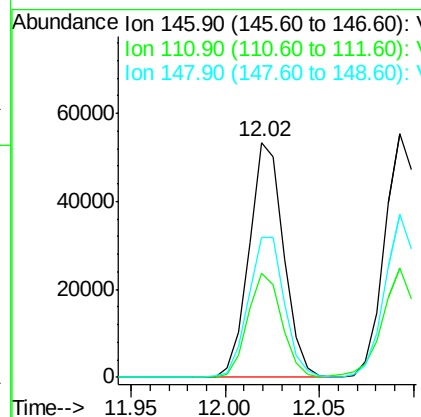
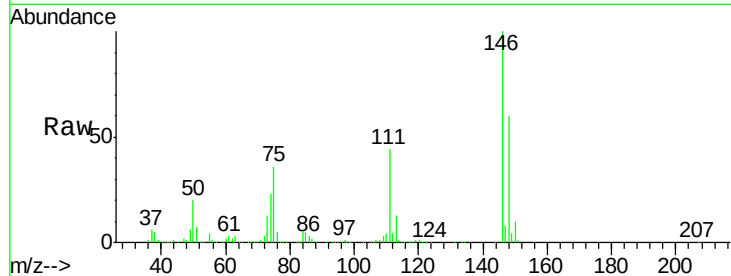
#87
 1,3-Dichlorobenzene
 Concen: 20.491 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.3	66.8
148	62.2	31.5	94.5

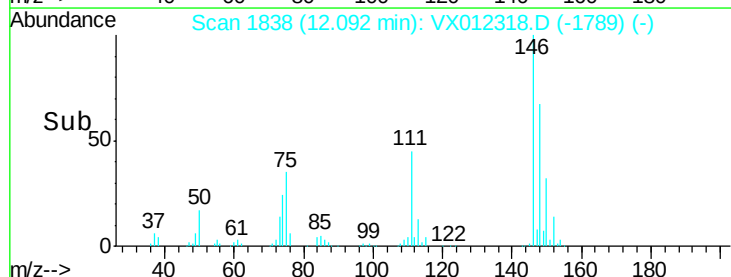
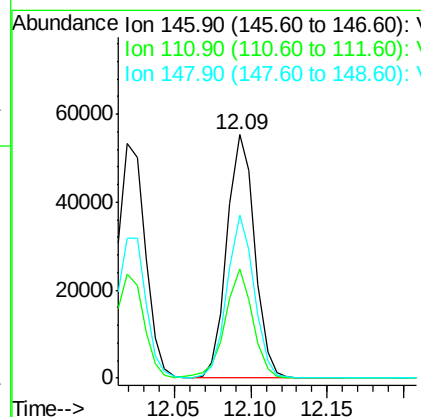
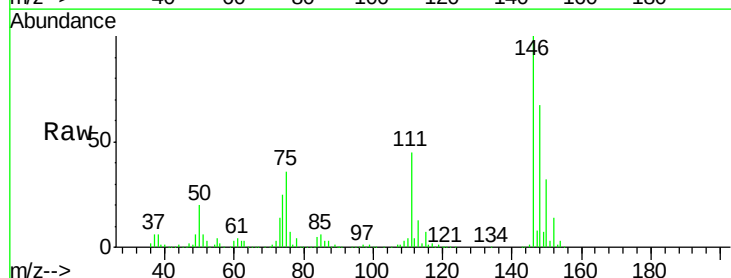
Manual Integrations
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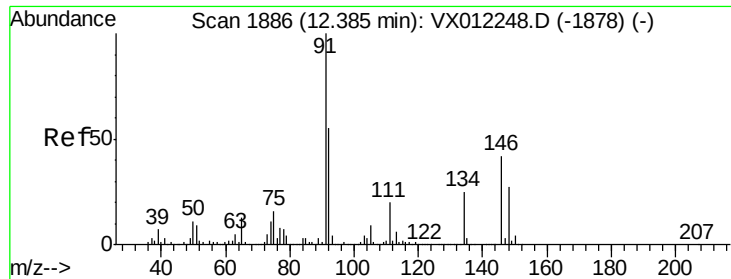
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#88
 1,4-Dichlorobenzene
 Concen: 20.771 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.6	64.8
148	65.1	32.4	97.2





#89
n-Butylbenzene
Concen: 19.678 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

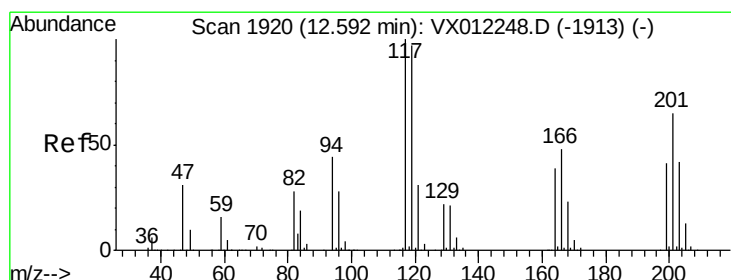
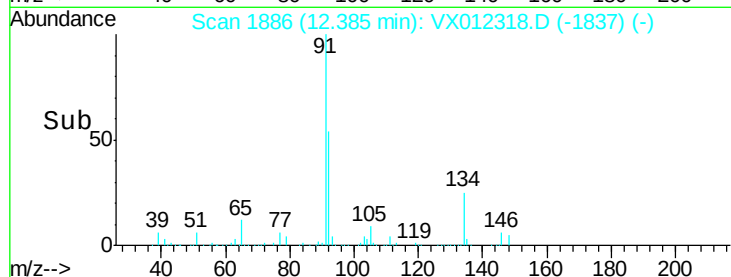
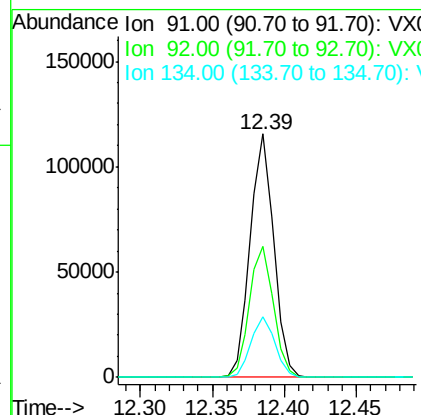
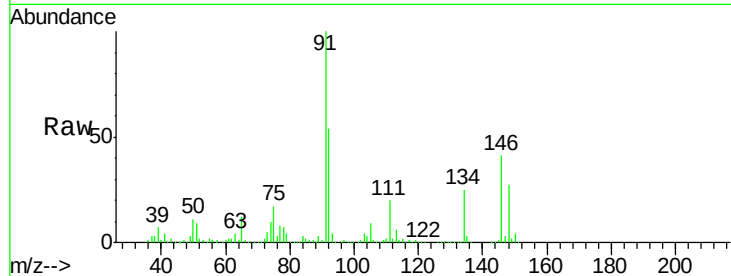
Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	131395		
92	54.6	27.6	82.7	
134	25.2	12.5	37.5	

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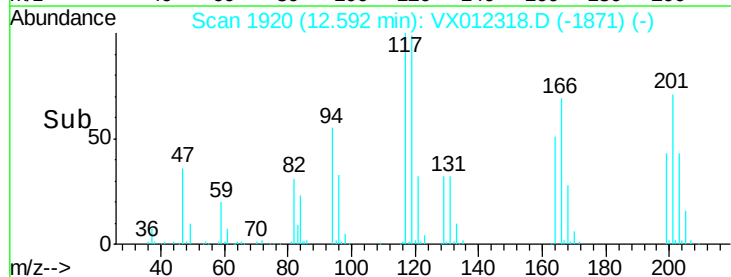
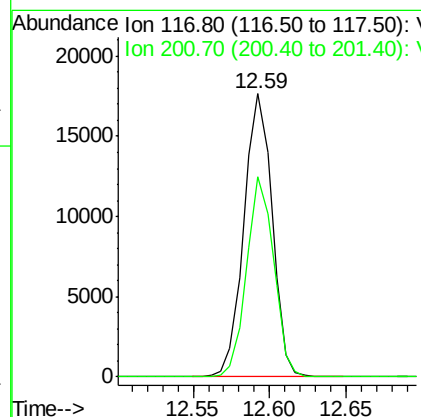
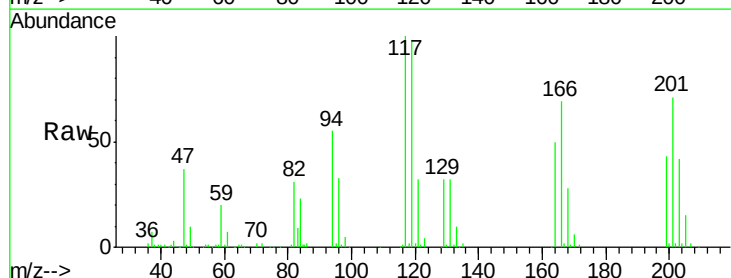
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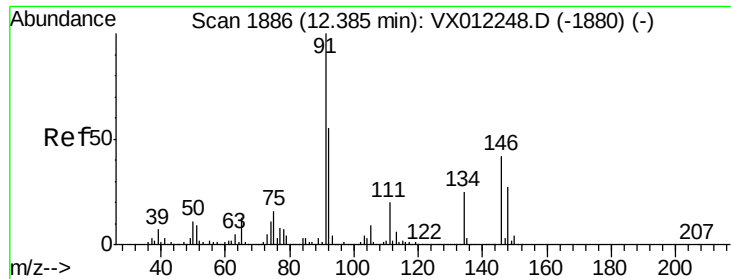
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#90
Hexachloroethane
Concen: 18.012 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	22601		
201	67.9	32.2	96.6	





#91
 1,2-Dichlorobenzene
 Concen: 20.722 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

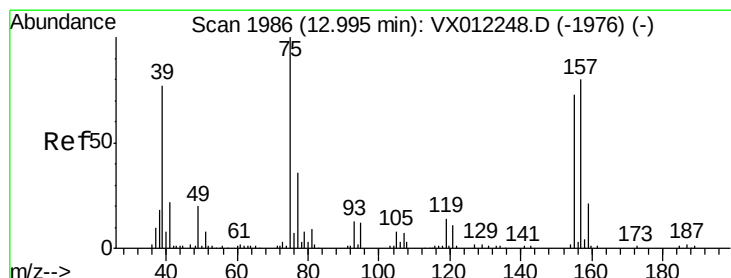
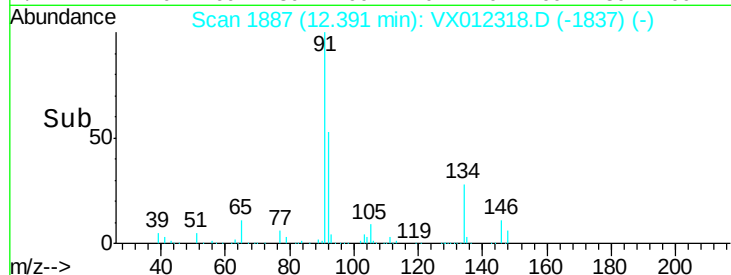
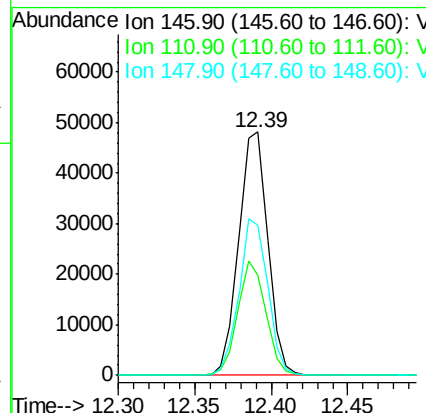
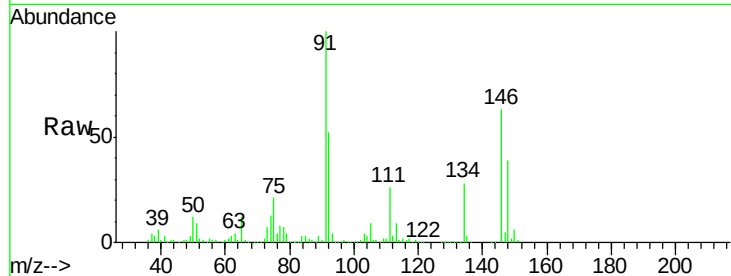
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.2	69.6
148	63.5	32.4	97.0

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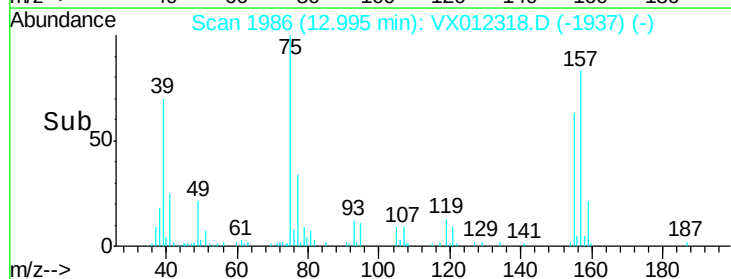
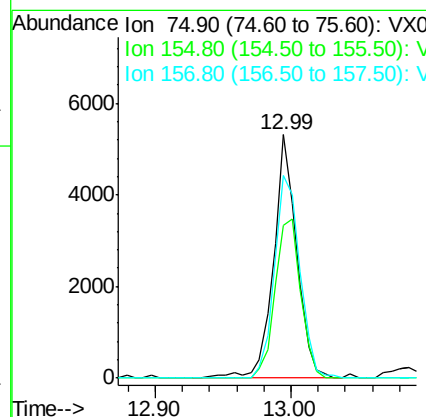
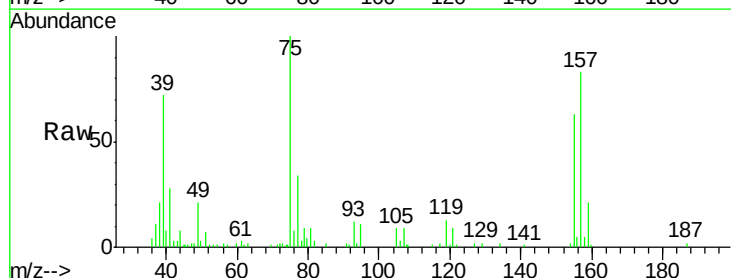
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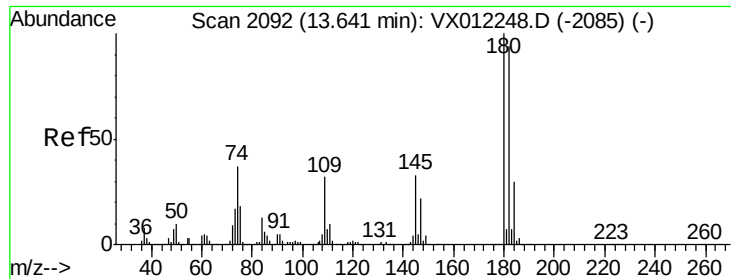
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.490 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX012318.D
 Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.0	35.3	105.7
157	91.3	43.2	129.6





#93
1,2,4-Trichlorobenzene
Concen: 20.259 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

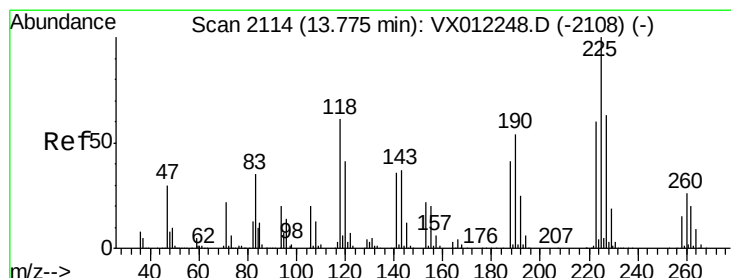
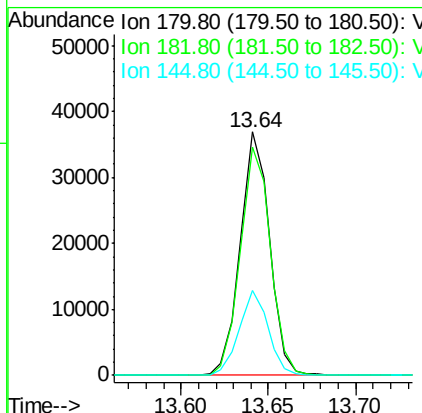
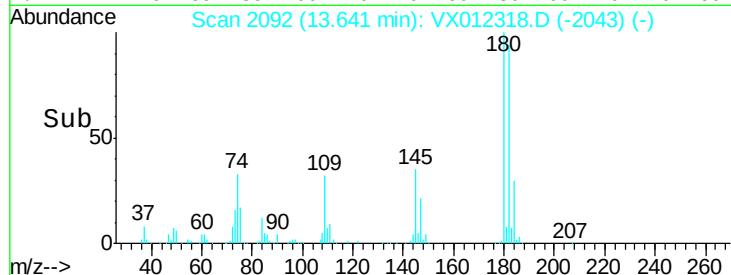
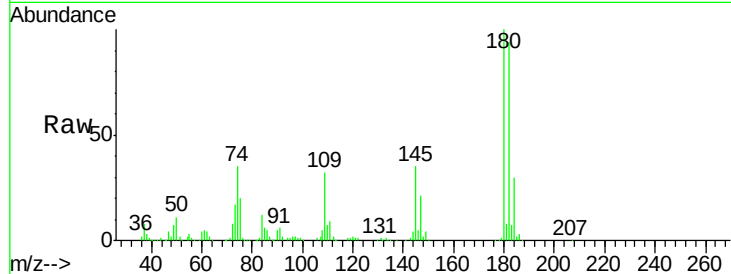
Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	42952		
182	96.5	46.9	140.8	
145	34.3	17.1	51.2	

Manual Integrations
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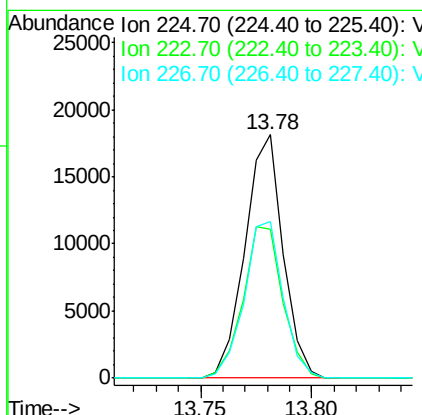
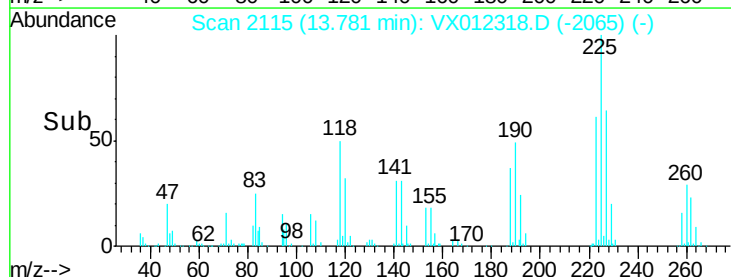
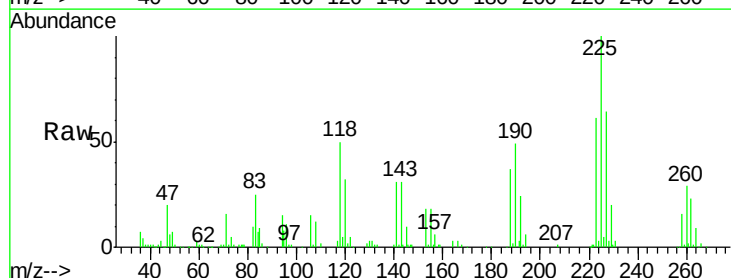
MMDadoda
9/12/2019 9:26:50 AM

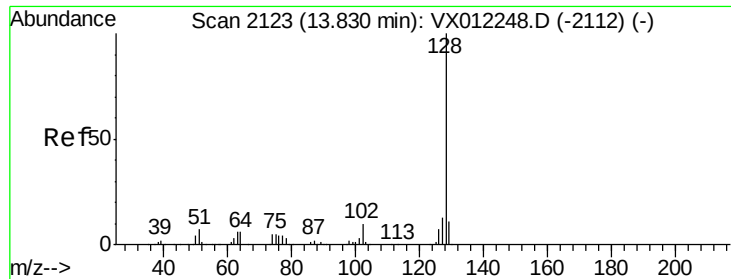
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#94
Hexachlorobutadiene
Concen: 20.507 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21629		
223	65.4	32.1	96.5	
227	65.6	32.5	97.5	





#95
Naphthalene
Concen: 21.112 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

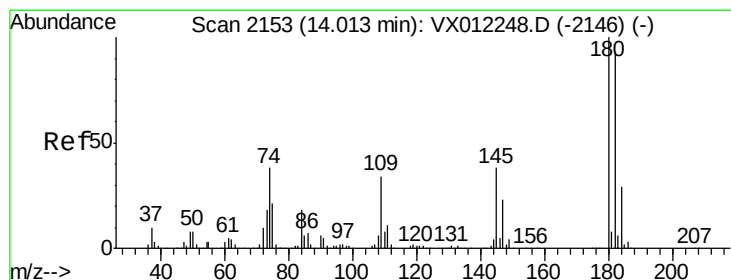
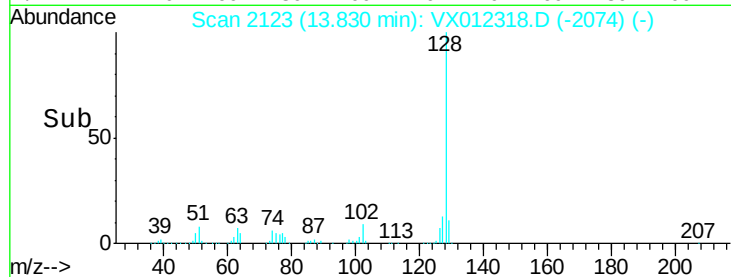
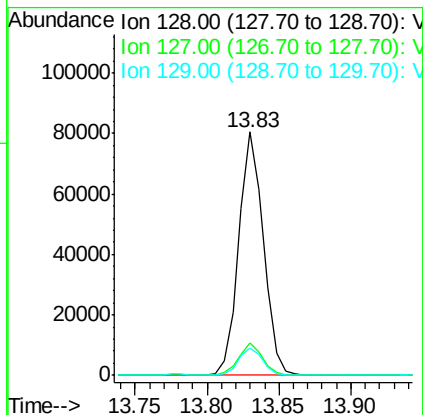
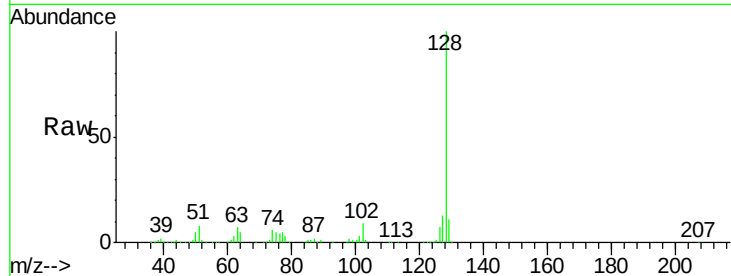
Instrument :
MSVOA_X
ClientSampleId :
VX0911SBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:26:50 AM

9/12/2019 9:26:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.192 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012318.D
Acq: 11 Sep 2019 23:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.0	141.0
145	34.8	18.6	55.8

