

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031419\
 Data File : VX008070.D
 Acq On : 14 Mar 2019 14:59
 Operator : JC/SP
 Sample : VX0314MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314MBS01

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:07:15 AM

Quant Time: Mar 15 04:34:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	309652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	444149	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	391382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193498	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	154097	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	5.50	113	139829	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	8.71	98	526737	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.13	95	183352	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50907	20.538	ug/l	98
3) Chloromethane	1.33	50	56068	19.212	ug/l	98
4) Vinyl Chloride	1.41	62	52765	18.948	ug/l	100
5) Bromomethane	1.64	94	29422	20.840	ug/l	96
6) Chloroethane	1.73	64	32075	20.995	ug/l	99
7) Trichlorofluoromethane	1.93	101	60863	18.211	ug/l	95
8) Diethyl Ether	2.19	74	33157	19.958	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48764	19.522	ug/l	98
10) Methyl Iodide	2.51	142	62883	18.020	ug/l	98
11) Tert butyl alcohol	3.07	59	61839	102.472	ug/l	100
12) 1,1-Dichloroethene	2.38	96	47145	19.969	ug/l	93
13) Acrolein	2.30	56	52104	93.733	ug/l	97
14) Allyl chloride	2.73	41	84898	19.742	ug/l	97
15) Acrylonitrile	3.15	53	147536	100.260	ug/l	100
16) Acetone	2.45	43	134019	90.882	ug/l	98
17) Carbon Disulfide	2.57	76	137547	20.290	ug/l	99
18) Methyl Acetate	2.78	43	65912	20.680	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	160017	20.046	ug/l	97
20) Methylene Chloride	2.86	84	51299	19.478	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	49375	19.410	ug/l	95
22) Diisopropyl ether	3.87	45	168569	19.725	ug/l	94
23) Vinyl Acetate	3.82	43	729776	100.409	ug/l	98
24) 1,1-Dichloroethane	3.70	63	93218	19.899	ug/l	98
25) 2-Butanone	4.70	43	219178	96.831	ug/l	98
26) 2,2-Dichloropropane	4.58	77	66028	18.449	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	59201	19.579	ug/l	98
28) Bromochloromethane	5.02	49	43053	19.459	ug/l	93
29) Tetrahydrofuran	5.15	42	142315	100.718	ug/l	97
30) Chloroform	5.21	83	91681	19.321	ug/l	100
31) Cyclohexane	5.57	56	87892	19.679	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	77264	19.330	ug/l	99
36) 1,1-Dichloropropene	5.80	75	70928	19.412	ug/l	99
37) Ethyl Acetate	4.85	43	79576	20.263	ug/l	99
38) Carbon Tetrachloride	5.79	117	67242	19.119	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	89399	19.141	ug/l	98
40) Benzene	6.14	78	218735	19.541	ug/l	98
41) Methacrylonitrile	5.06	41	44760	19.576	ug/l	97
42) 1,2-Dichloroethane	6.20	62	69971	19.540	ug/l	99
43) Isopropyl Acetate	6.46	43	122295	19.337	ug/l	98
44) Trichloroethene	7.21	130	60914	18.856	ug/l	98
45) 1,2-Dichloropropane	7.51	63	56745	19.216	ug/l	99
46) Dibromomethane	7.66	93	35939	19.417	ug/l	96
47) Bromodichloromethane	7.90	83	65998	18.749	ug/l	100
48) Methyl methacrylate	7.77	41	64572	19.549	ug/l	96
49) 1,4-Dioxane	7.75	88	27817	390.468	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	405391	97.259	ug/l	98
52) Toluene	8.78	92	137206	19.283	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	71921	18.638	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	81953	19.109	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	56226	19.407	ug/l	98
56) Ethyl methacrylate	9.18	69	82687	19.321	ug/l	97
57) 1,3-Dichloropropane	9.37	76	92803	19.356	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	239054	94.950	ug/l	97
59) 2-Hexanone	9.49	43	308432	94.617	ug/l	98
60) Dibromochloromethane	9.58	129	55409	18.556	ug/l	100
61) 1,2-Dibromoethane	9.67	107	58783	19.364	ug/l	100
64) Tetrachloroethene	9.34	164	59983	18.915	ug/l	98
65) Chlorobenzene	10.13	112	151789	19.543	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	54319	19.707	ug/l	99
67) Ethyl Benzene	10.25	91	247623	19.262	ug/l	100
68) m/p-Xylenes	10.36	106	191340	38.897	ug/l	99
69) o-Xylene	10.70	106	92650	19.321	ug/l	99
70) Styrene	10.71	104	152570	19.421	ug/l	99
71) Bromoform	10.85	173	43487	19.064	ug/l #	99
73) Isopropylbenzene	11.02	105	253574	20.461	ug/l	100
74) N-amyl acetate	10.90	43	103175	19.735	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	82107	20.220	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	78172m	23.262	ug/l	
77) Bromobenzene	11.26	156	68317	20.196	ug/l	97
78) n-propylbenzene	11.36	91	275432	20.257	ug/l	100
79) 2-Chlorotoluene	11.42	91	164584	19.820	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	208151	20.382	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21823	18.480	ug/l	94
82) 4-Chlorotoluene	11.51	91	187371	19.702	ug/l	99
83) tert-Butylbenzene	11.77	119	203995	19.933	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	214299	20.343	ug/l	99
85) sec-Butylbenzene	11.94	105	246584	20.223	ug/l	99
86) p-Isopropyltoluene	12.06	119	221078	20.048	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	118120	19.620	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	118321	19.354	ug/l	99
89) n-Butylbenzene	12.39	91	181094	19.626	ug/l	99
90) Hexachloroethane	12.60	117	34131	19.339	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	116725	19.542	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15702	19.126	ug/l	90

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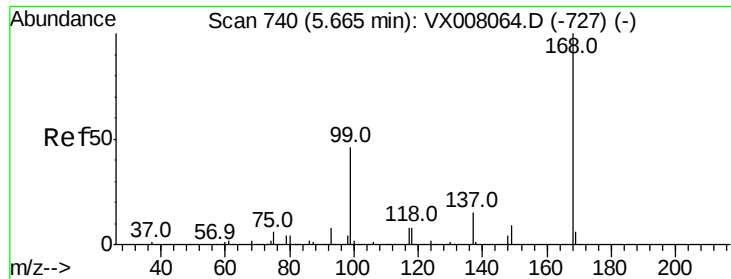
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	80833	19.104	ug/l	99
94) Hexachlorobutadiene	13.78	225	44786	19.482	ug/l	100
95) Naphthalene	13.83	128	240755	20.236	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	82857	19.892	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion:168 Resp: 309652

Ion Ratio Lower Upper

168 100

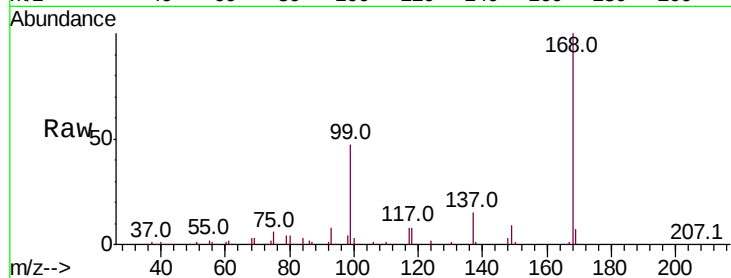
99 46.7 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

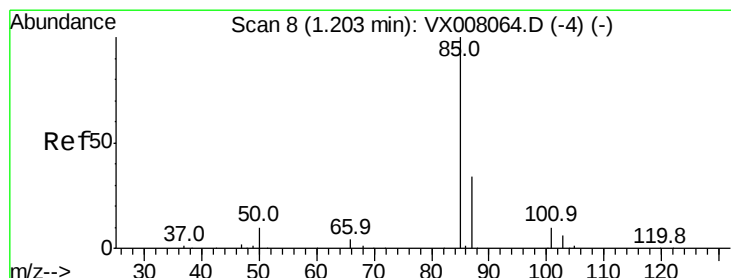
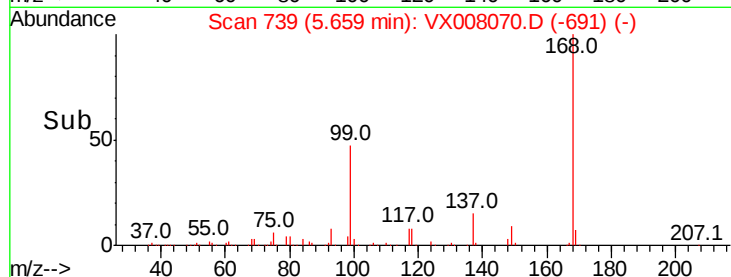
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.538 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.00 min

Lab File: VX008070.D

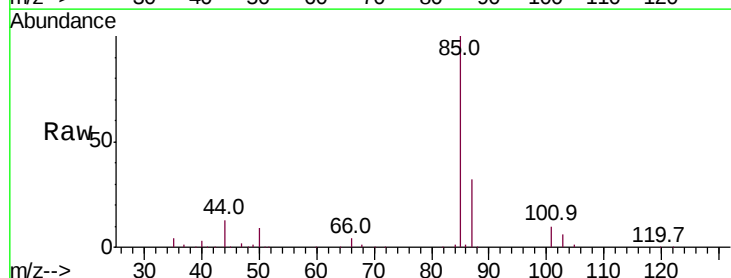
Acq: 14 Mar 2019 14:59

Tgt Ion: 85 Resp: 50907

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

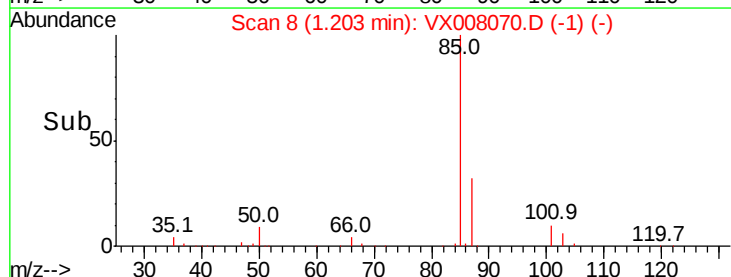
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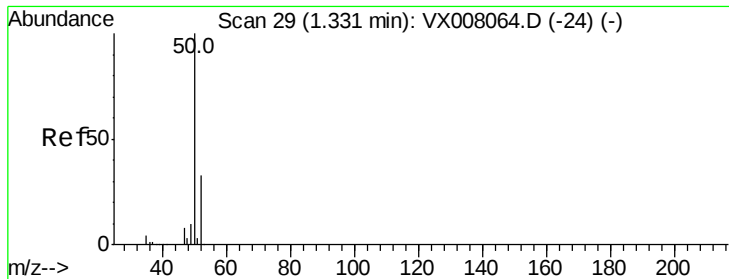
20000

10000

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Time-->





#3

Chloromethane

Concen: 19.212 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion: 50 Resp: 56068

Ion Ratio Lower Upper

50 100

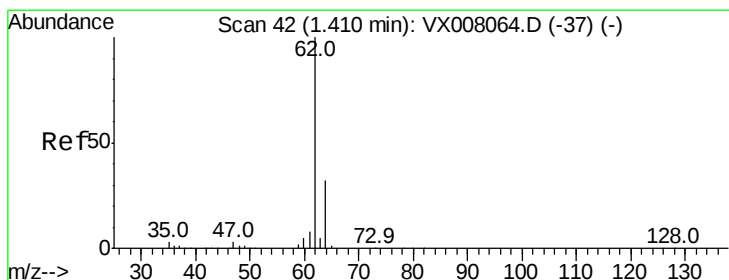
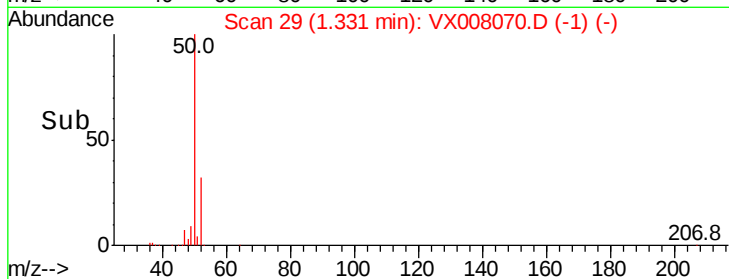
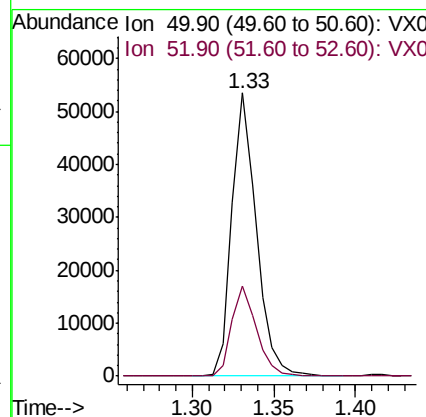
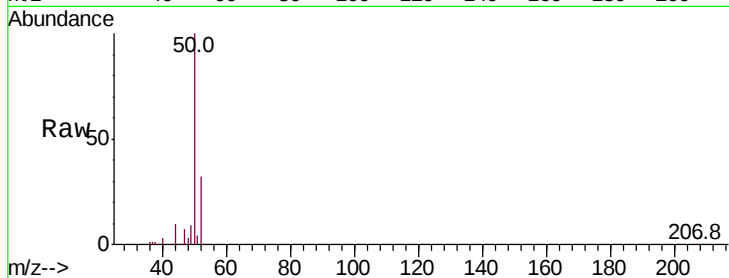
52 31.7 26.5 39.7

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#4

Vinyl Chloride

Concen: 18.948 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008070.D

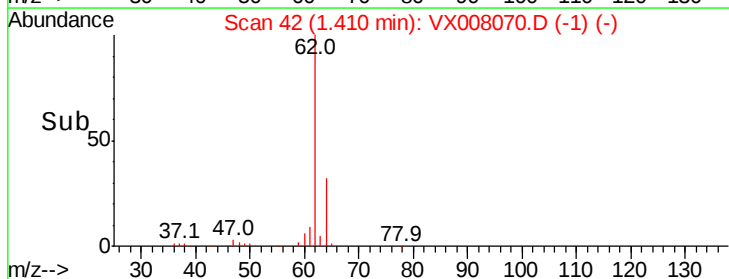
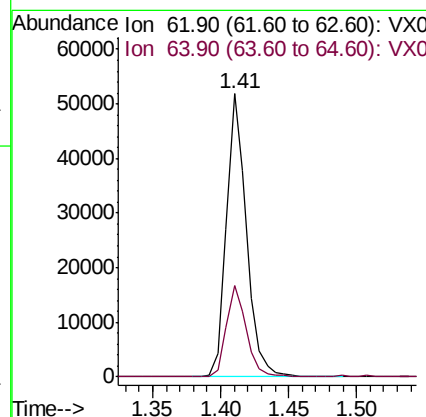
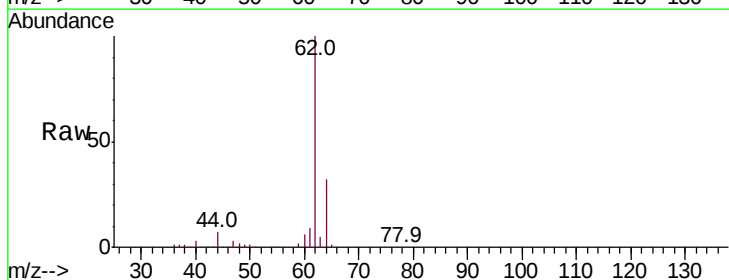
Acq: 14 Mar 2019 14:59

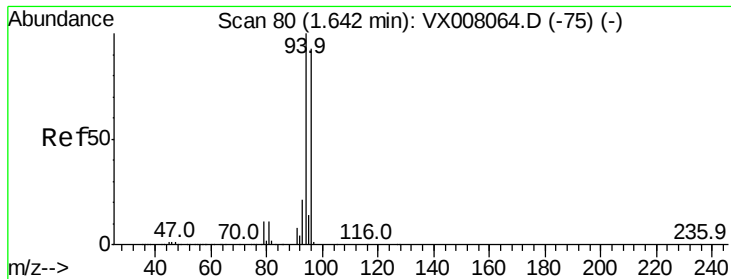
Tgt Ion: 62 Resp: 52765

Ion Ratio Lower Upper

62 100

64 31.8 25.3 37.9





#5

Bromomethane

Concen: 20.840 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion: 94 Resp: 29422

Ion Ratio Lower Upper

94 100

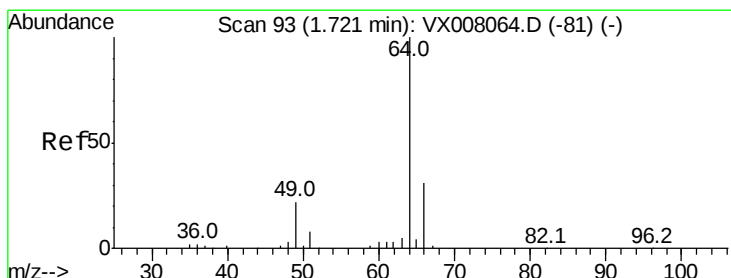
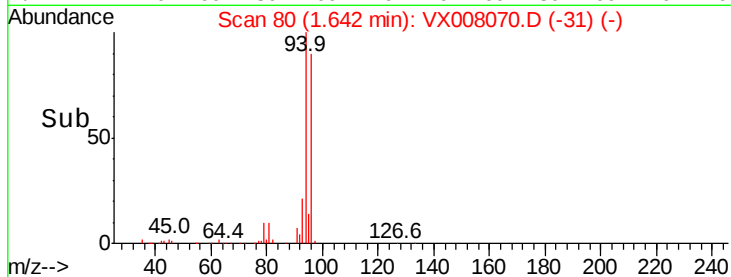
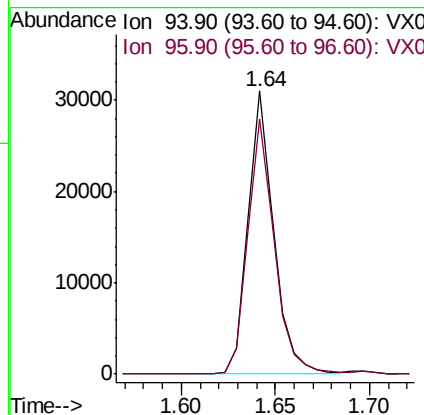
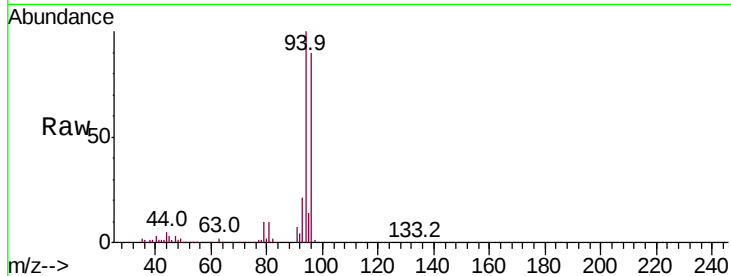
96 90.3 75.5 113.3

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#6

Chloroethane

Concen: 20.995 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008070.D

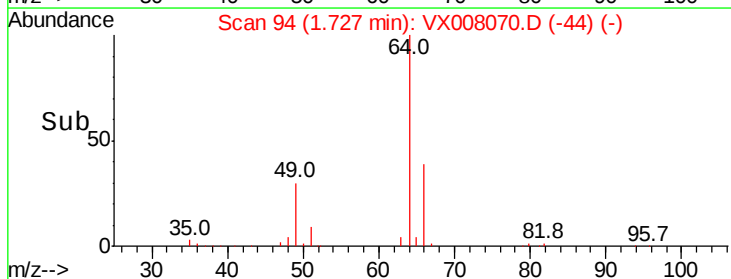
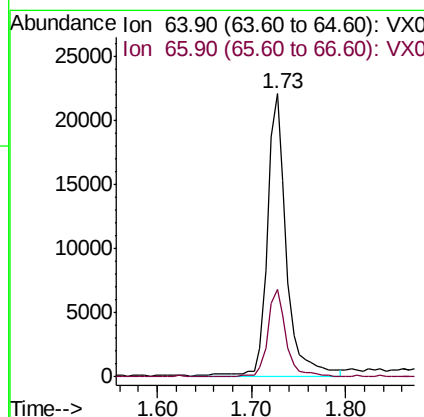
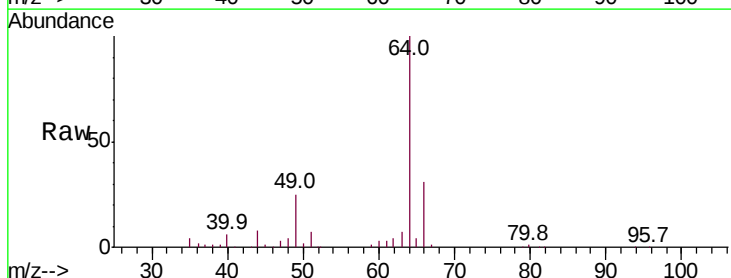
Acq: 14 Mar 2019 14:59

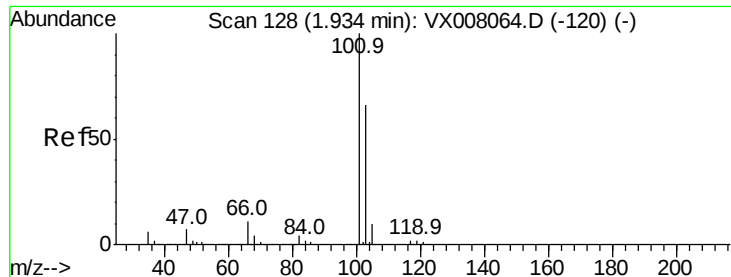
Tgt Ion: 64 Resp: 32075

Ion Ratio Lower Upper

64 100

66 30.7 25.2 37.8





#7

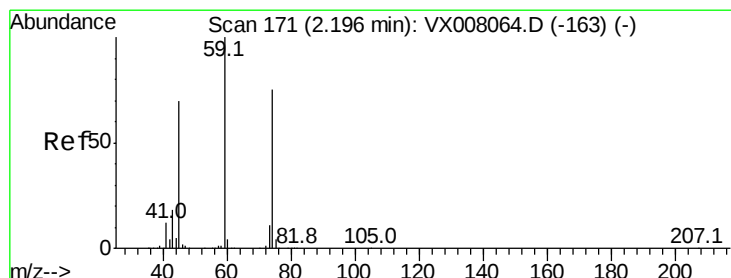
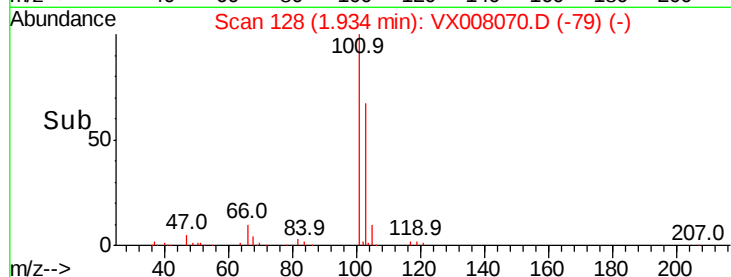
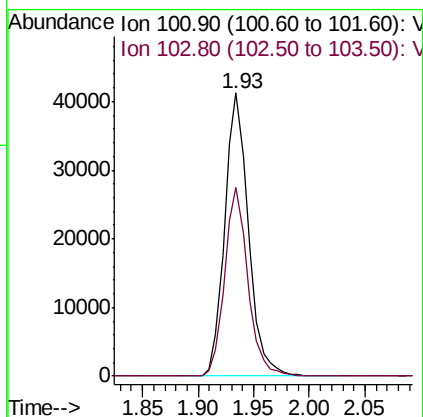
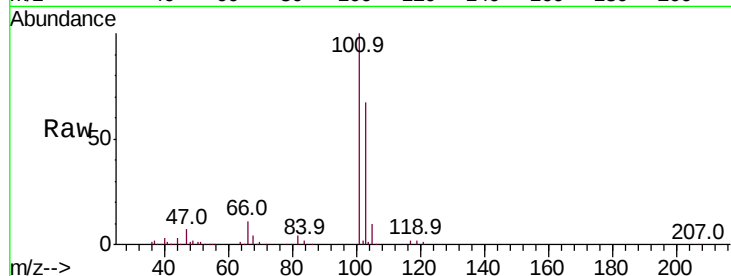
Trichlorofluoromethane
Concen: 18.211 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.4	75.6

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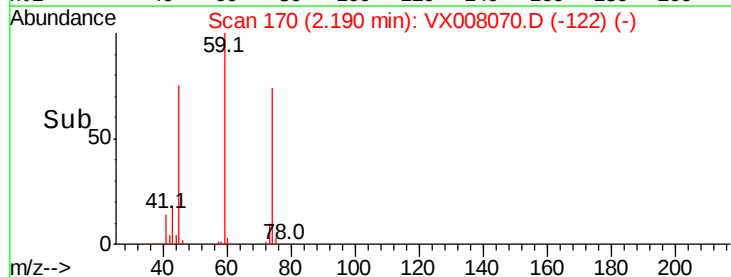
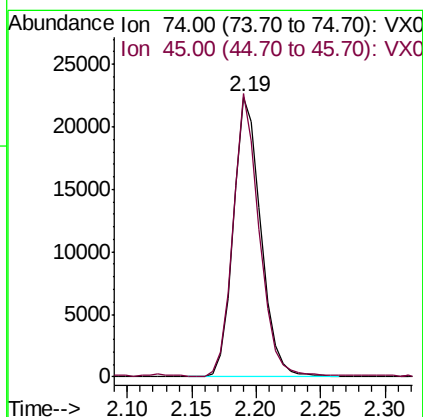
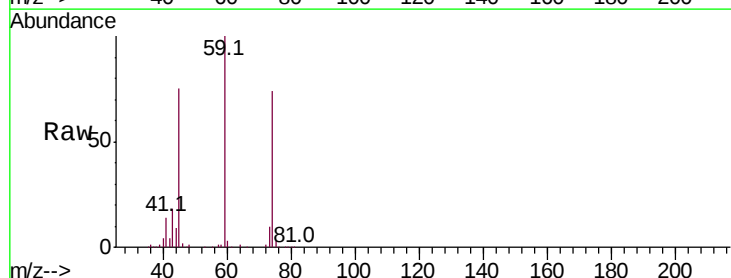
MMDadoda
3/15/2019 9:07:15 AM

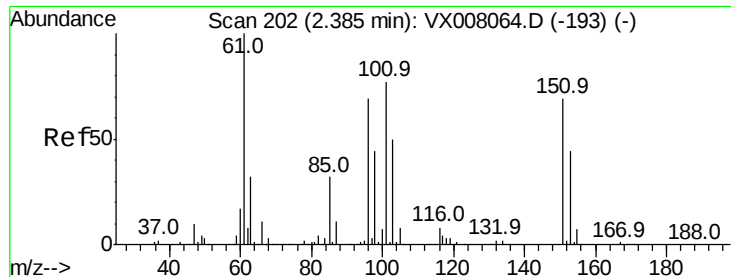


#8

Diethyl Ether
Concen: 19.958 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.01 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.522 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

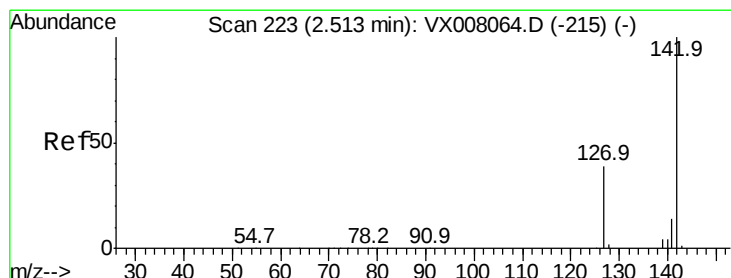
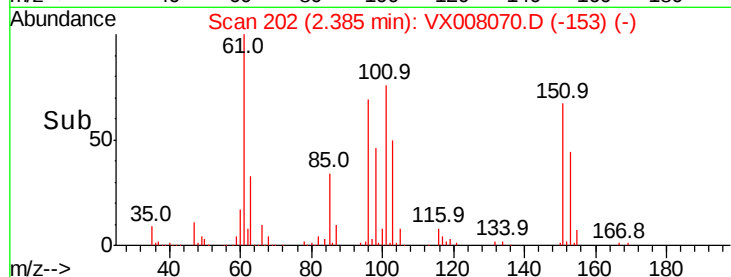
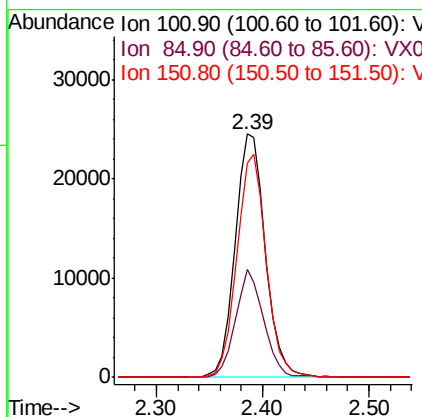
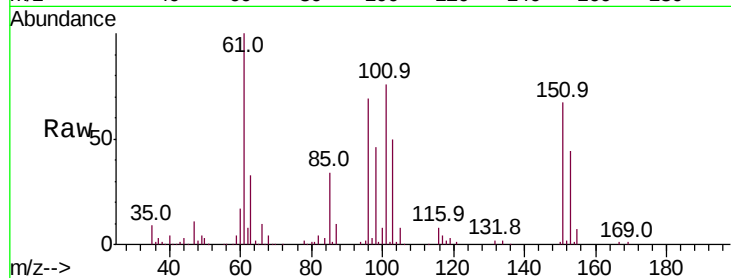
ClientSampleId :

VX0314MBS01

Tot Ion:	101	Resp:	48764
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.8	50.6
151	89.2	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 18.020 ug/l

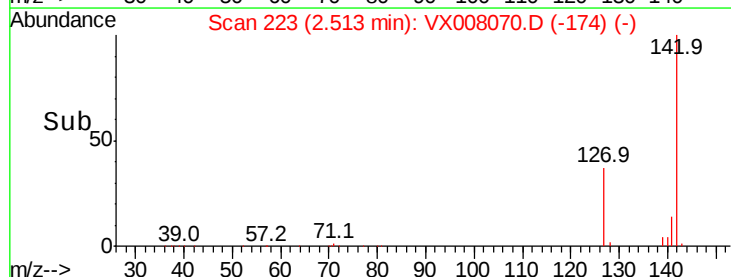
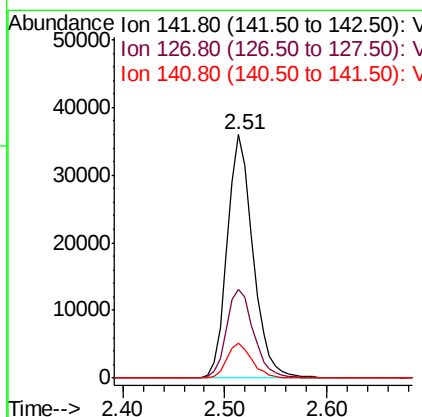
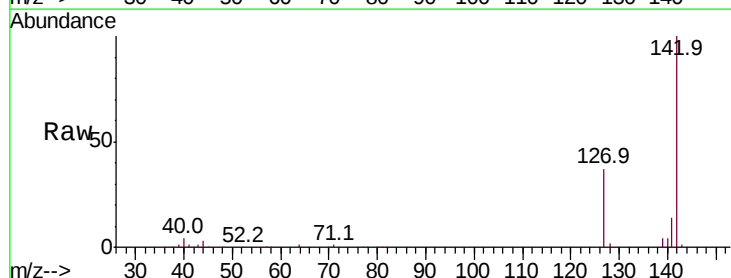
RT: 2.51 min Scan# 223

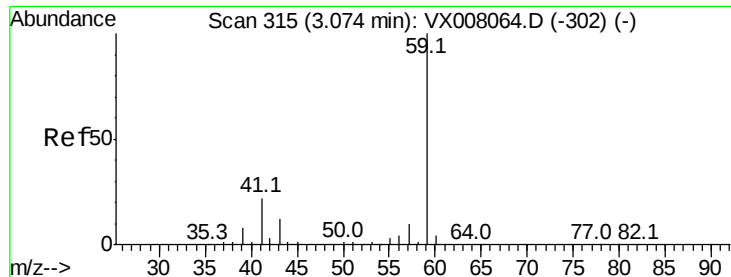
Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Tgt Ion:	142	Resp:	62883
Ion Ratio	Lower	Upper	
142	100		
127	38.2	32.1	48.1
141	14.1	11.4	17.2





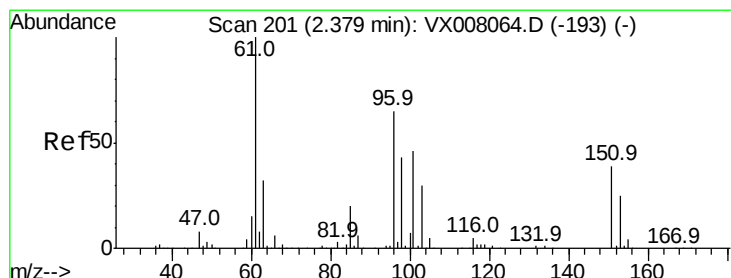
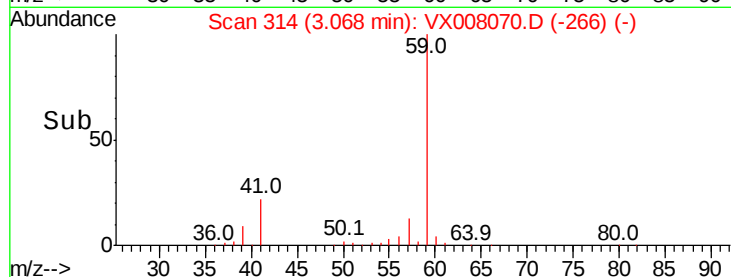
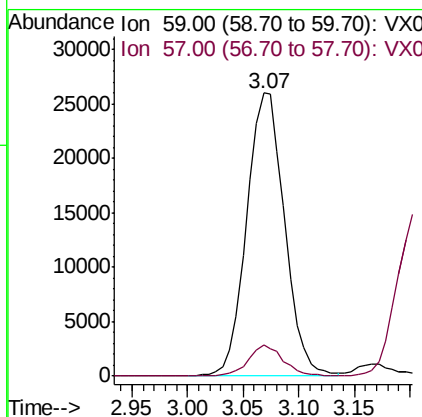
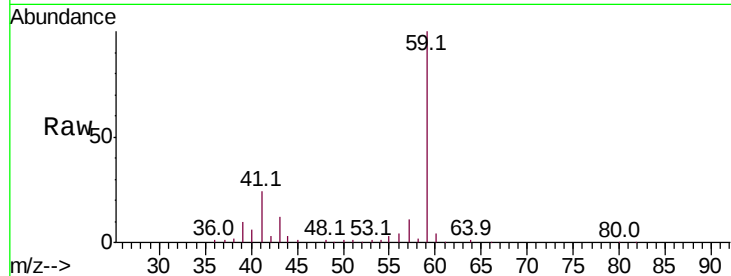
#11
Tert butyl alcohol
Concen: 102.472 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion: 59 Resp: 61839
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.2

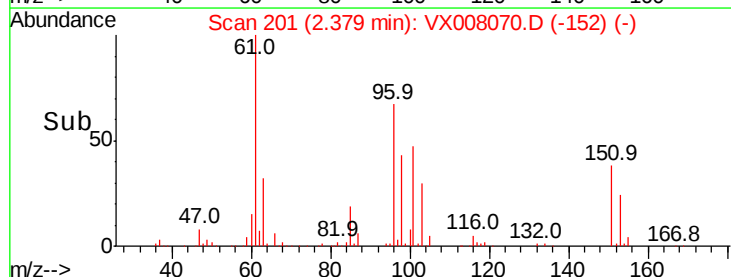
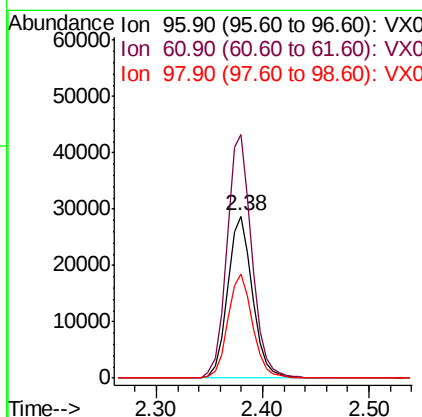
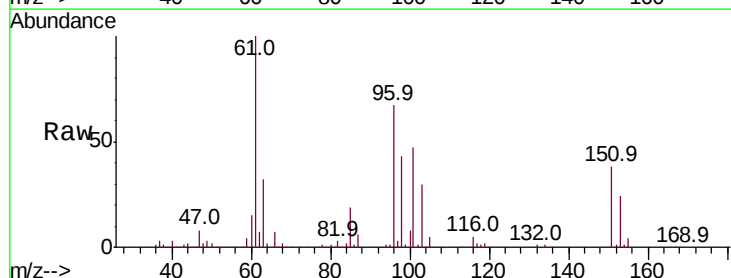
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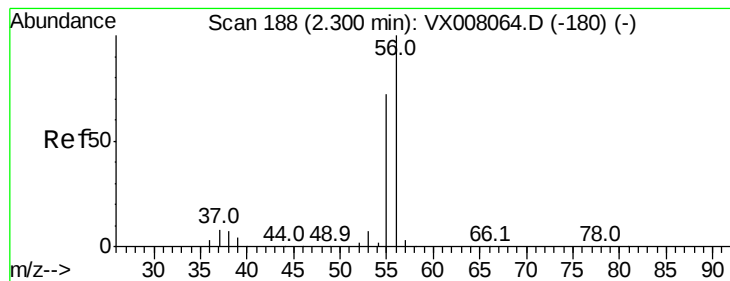
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#12
1,1-Dichloroethene
Concen: 19.969 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion: 96 Resp: 47145
Ion Ratio Lower Upper
96 100
61 150.2 129.8 194.6
98 63.9 51.0 76.6





#13

Acrolein

Concen: 93.733 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion: 56 Resp: 52104

Ion Ratio Lower Upper

56 100

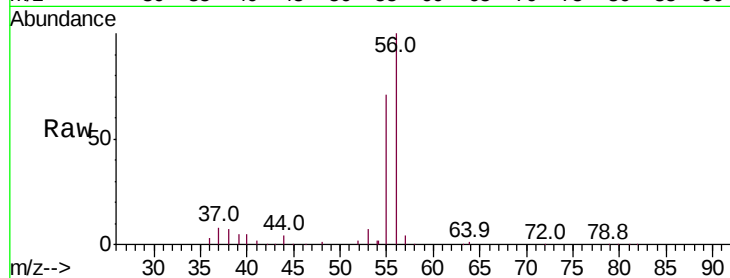
55 69.9 57.8 86.6

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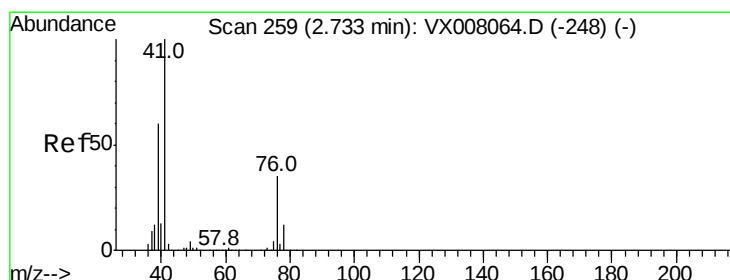
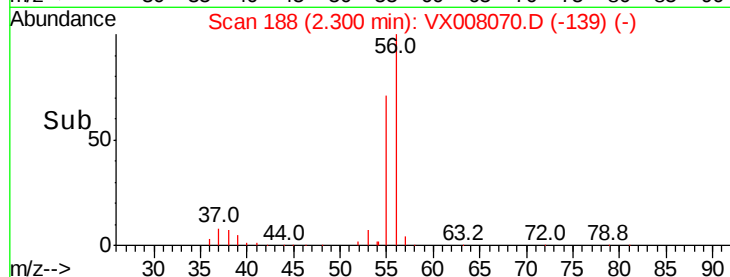
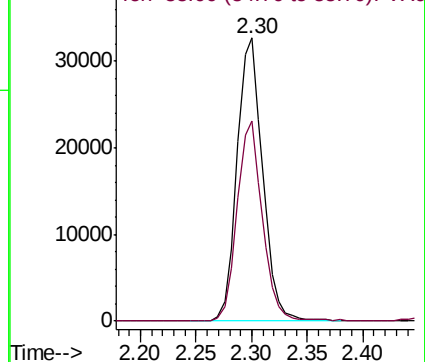
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.742 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

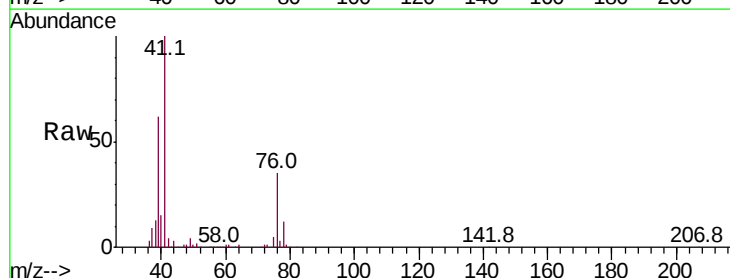
Tgt Ion: 41 Resp: 84898

Ion Ratio Lower Upper

41 100

39 58.8 46.1 69.1

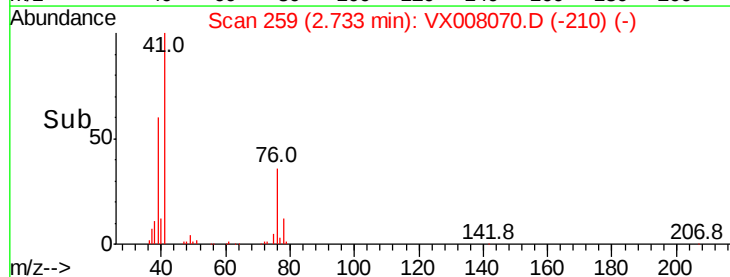
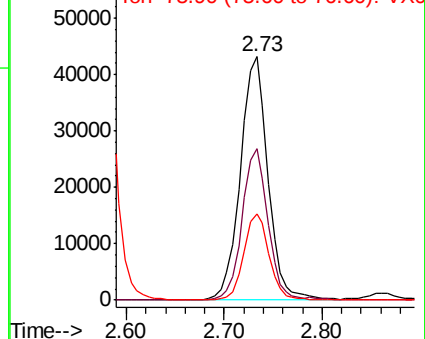
76 32.6 24.0 36.0

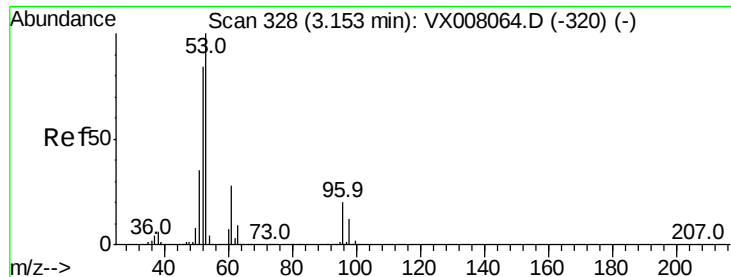


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 100.260 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

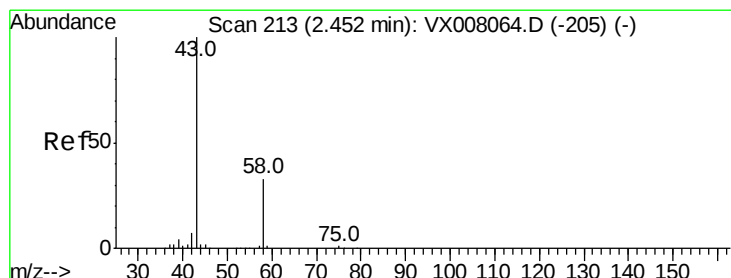
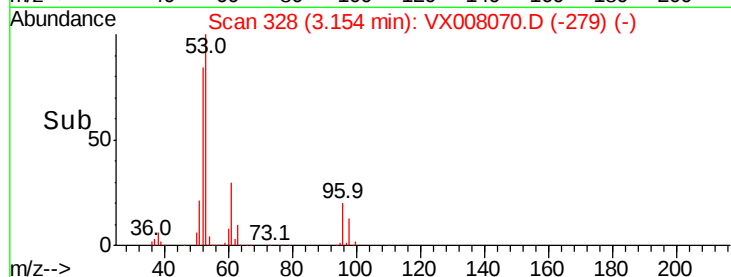
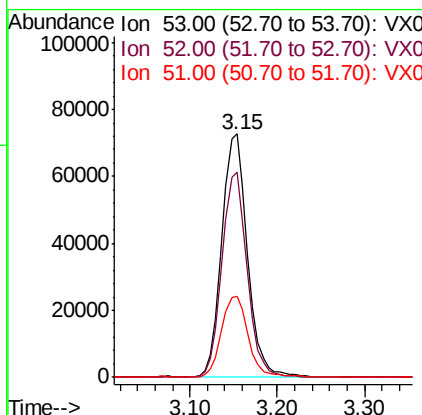
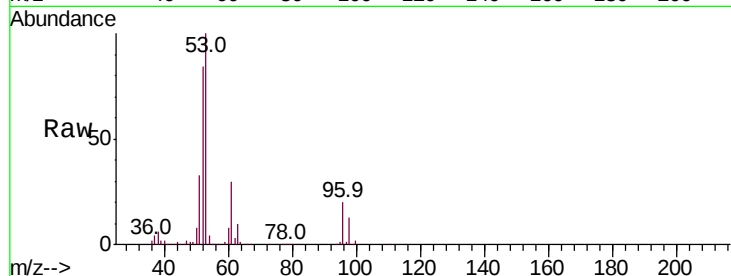
ClientSampleId :

VX0314MBS01

Tot Ion:	53	Resp:	147536
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.0	99.0
51	35.0	28.0	42.0

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#16

Acetone

Concen: 90.882 ug/l

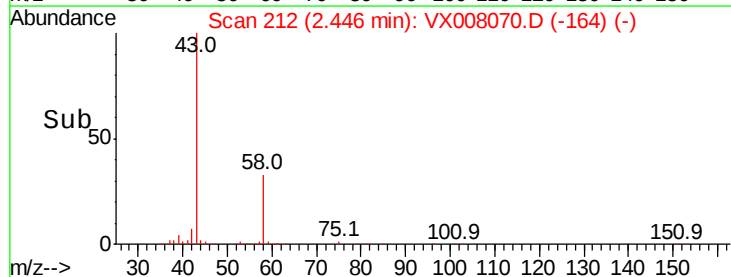
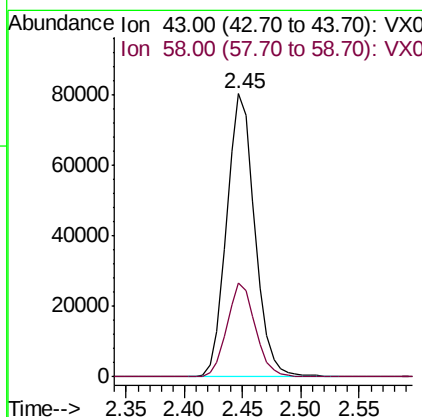
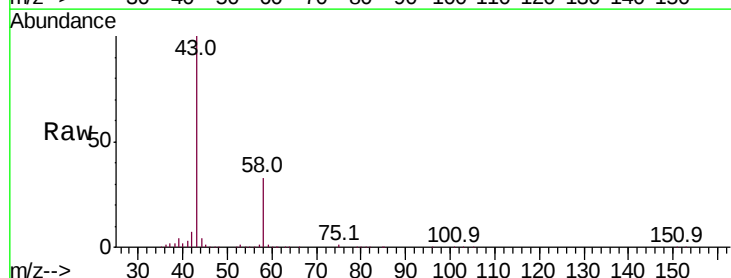
RT: 2.45 min Scan# 212

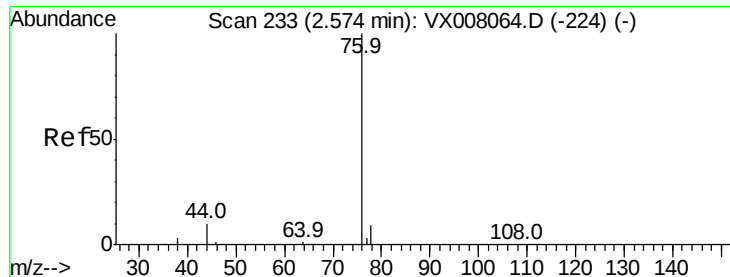
Delta R.T. -0.01 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Tgt Ion:	43	Resp:	134019
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.5	38.3





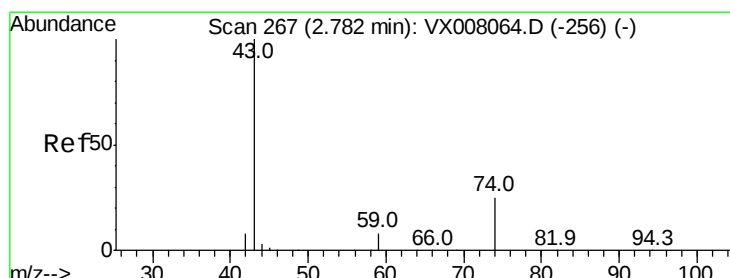
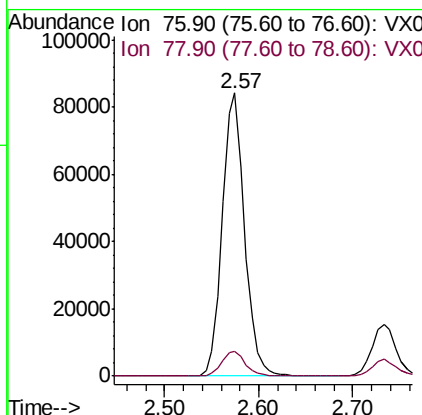
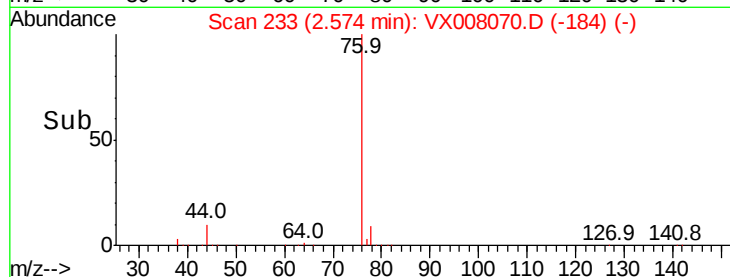
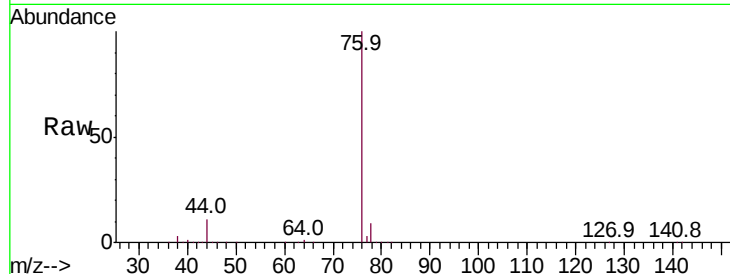
#17
Carbon Disulfide
Concen: 20.290 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

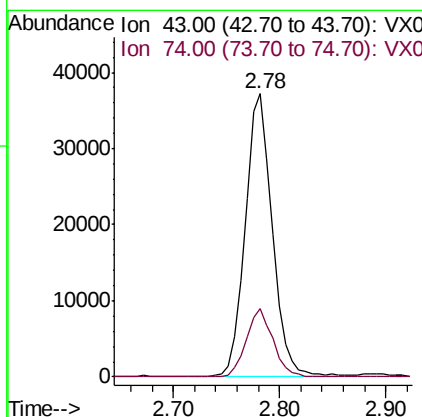
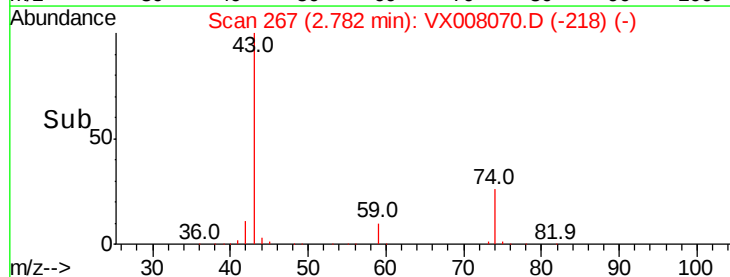
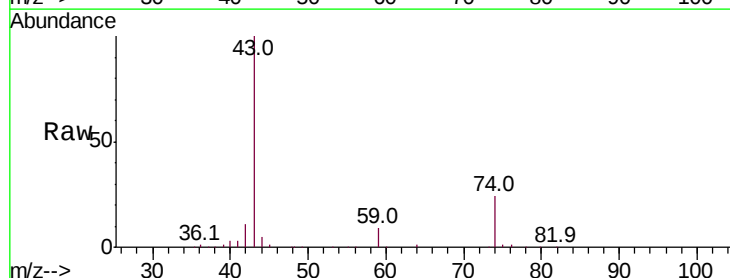
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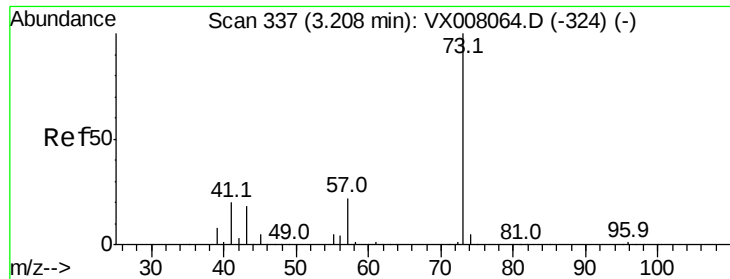
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#18
Methyl Acetate
Concen: 20.680 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	17.8	26.6





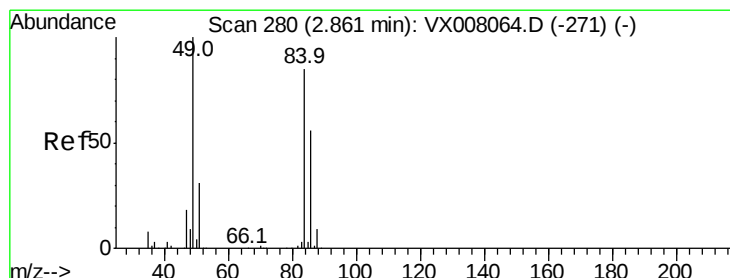
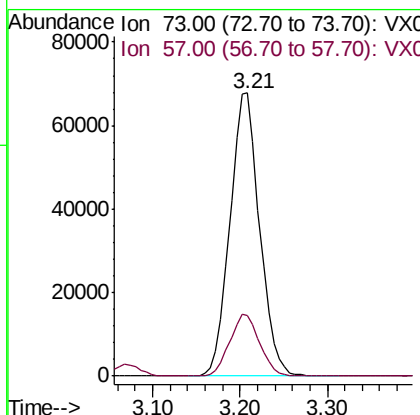
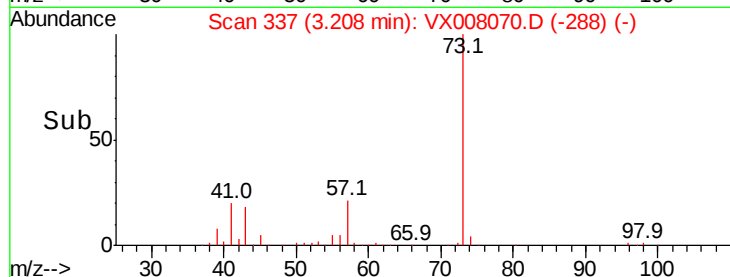
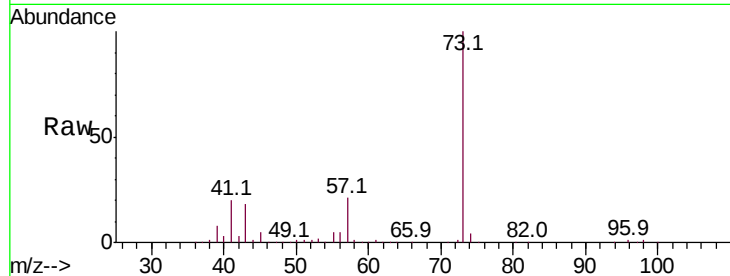
#19
Methyl tert-butyl Ether
Concen: 20.046 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion: 73 Resp: 160017
Ion Ratio Lower Upper
73 100
57 21.4 18.2 27.4

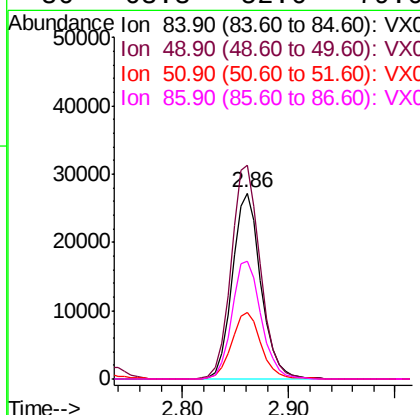
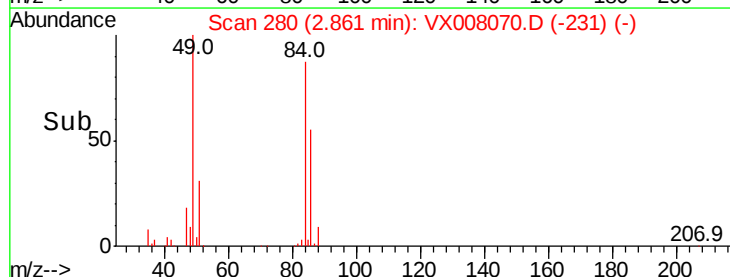
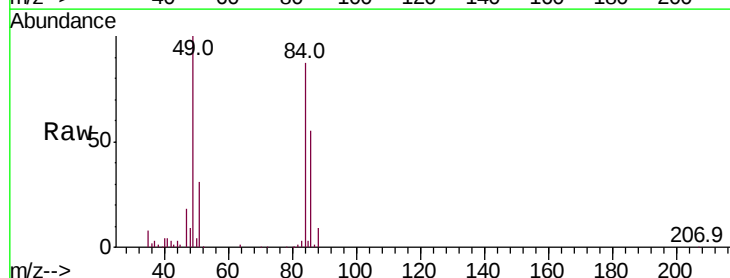
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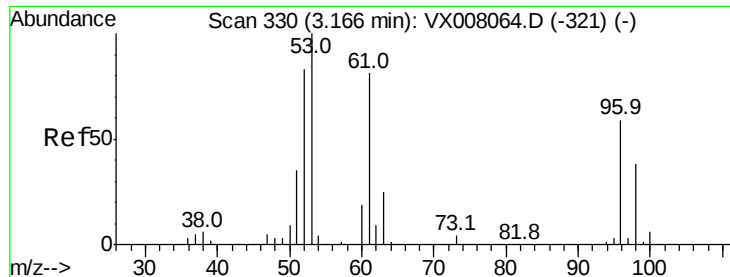
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#20
Methylene Chloride
Concen: 19.478 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion: 84 Resp: 51299
Ion Ratio Lower Upper
84 100
49 115.0 99.3 148.9
51 36.0 31.3 46.9
86 63.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.410 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion: 96 Resp: 49375

Ion Ratio Lower Upper

96 100

61 137.9 114.4 171.6

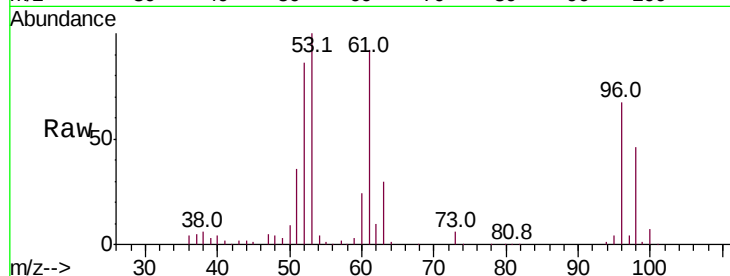
98 68.5 51.1 76.7

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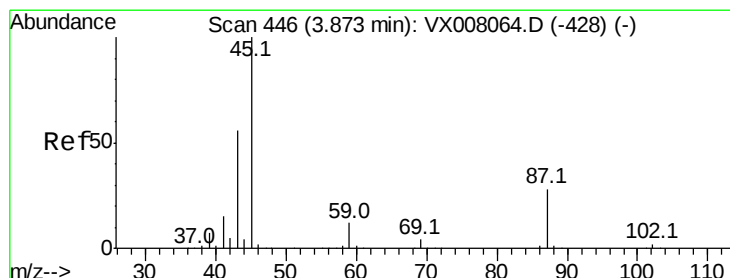
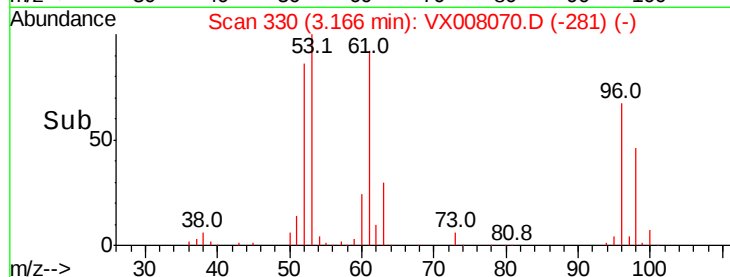
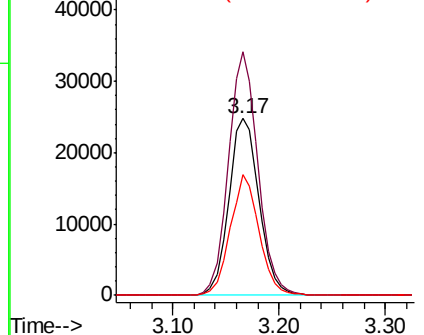
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.725 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Tgt Ion: 45 Resp: 168569

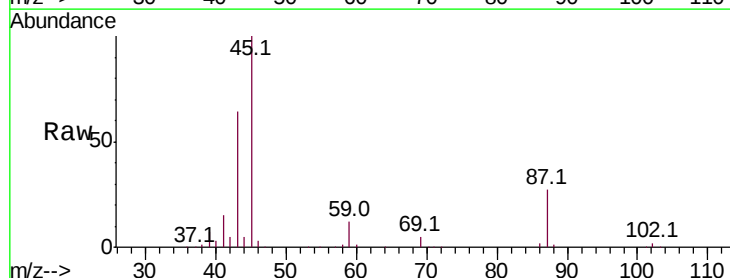
Ion Ratio Lower Upper

45 100

43 63.3 45.3 67.9

87 27.0 21.4 32.0

59 11.7 9.5 14.3

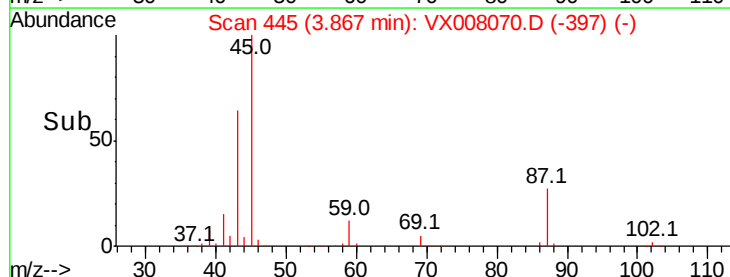
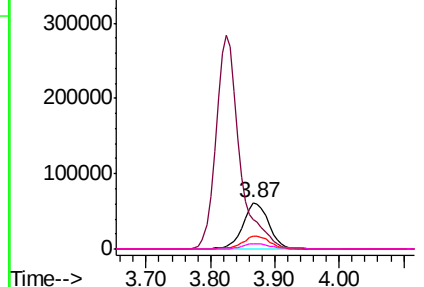


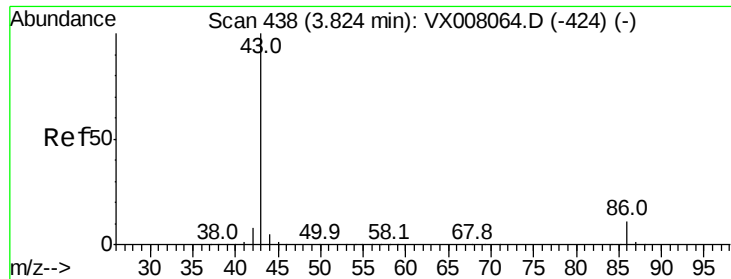
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 100.409 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion: 43 Resp: 729776

Ion Ratio Lower Upper

43 100

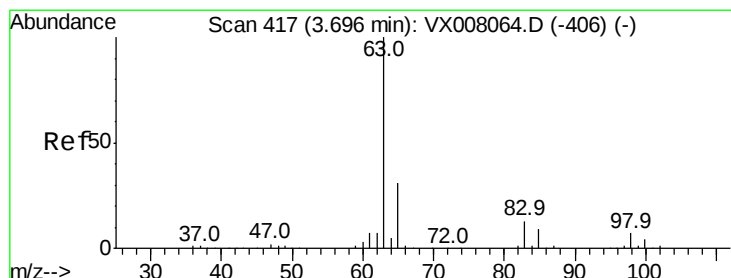
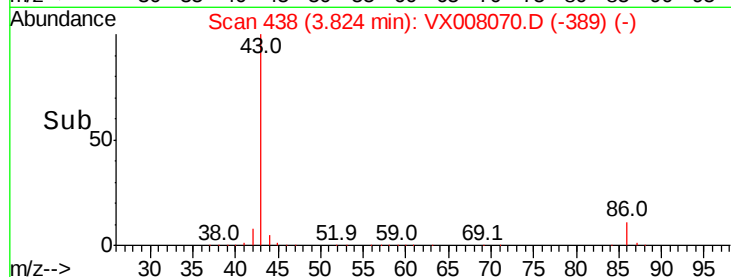
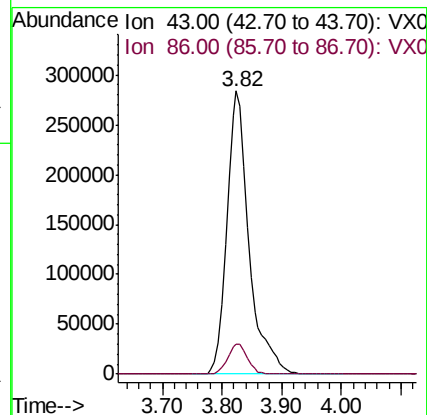
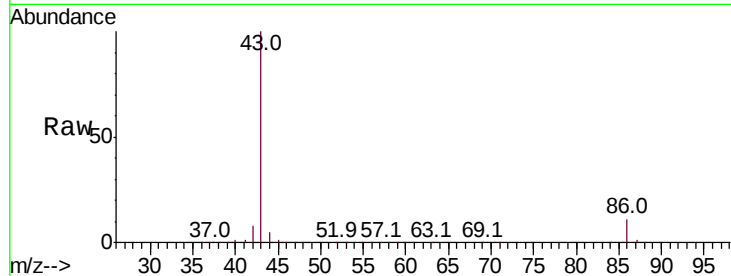
86 10.6 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 19.899 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

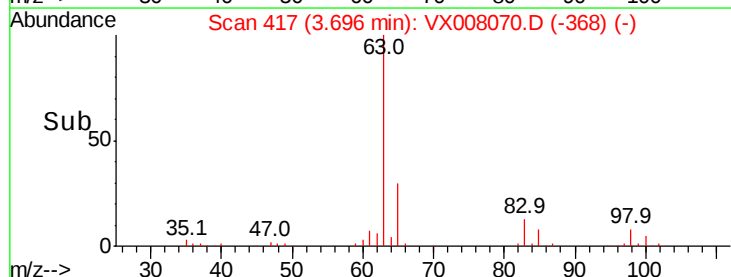
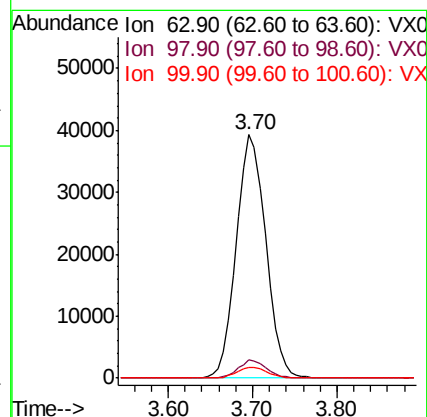
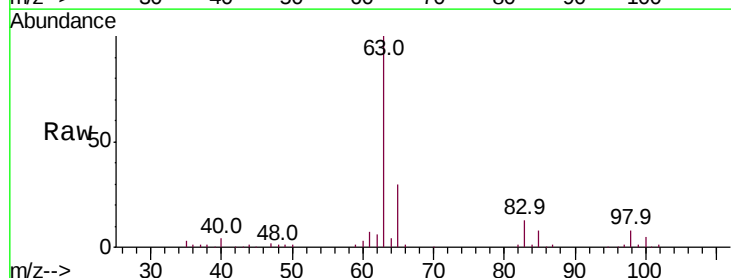
Tgt Ion: 63 Resp: 93218

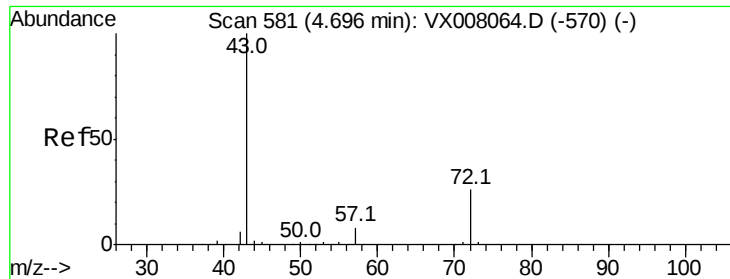
Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.8

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 96.831 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion: 43 Resp: 219178

Ion Ratio Lower Upper

43 100

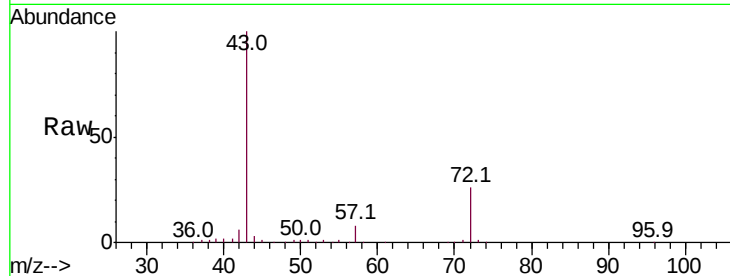
72 26.0 19.9 29.9

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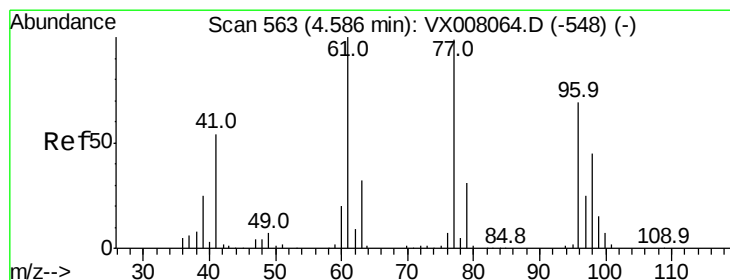
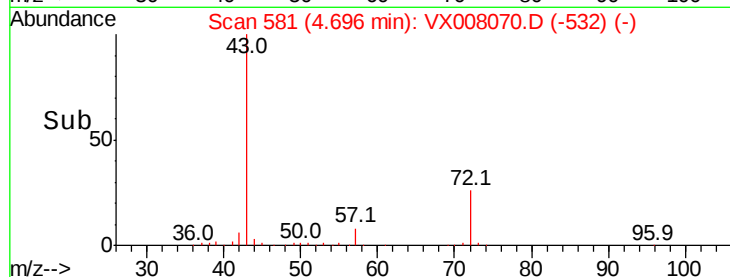
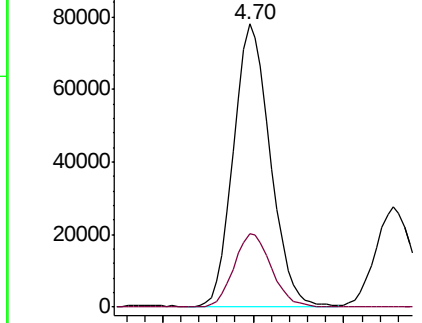
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.449 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008070.D

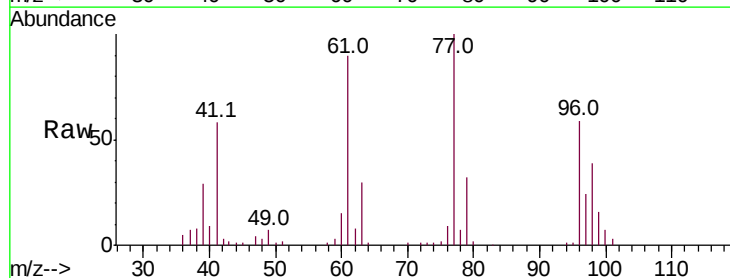
Acq: 14 Mar 2019 14:59

Tgt Ion: 77 Resp: 66028

Ion Ratio Lower Upper

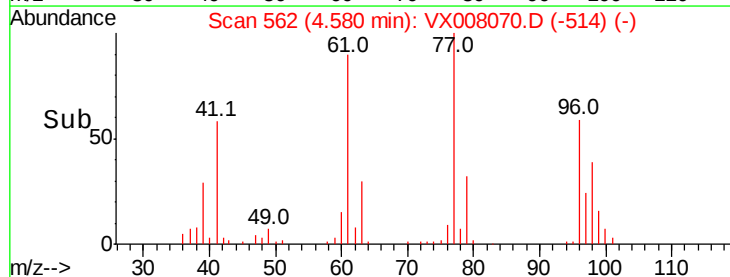
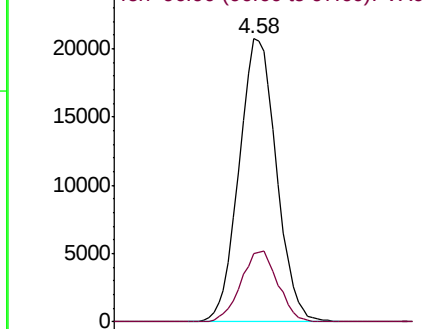
77 100

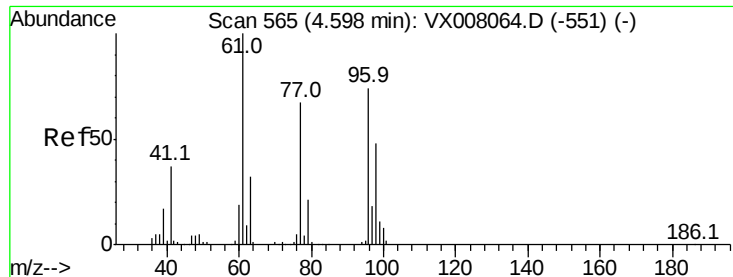
97 24.9 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

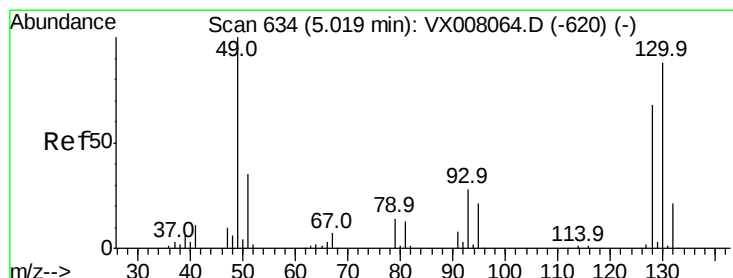
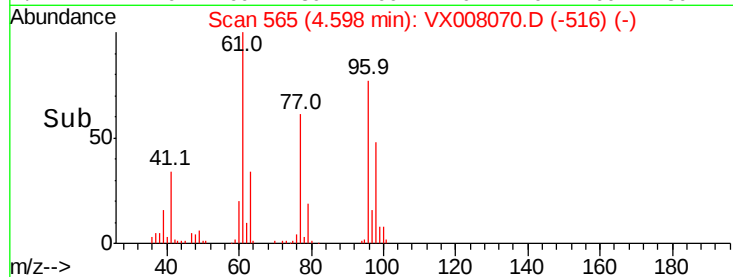
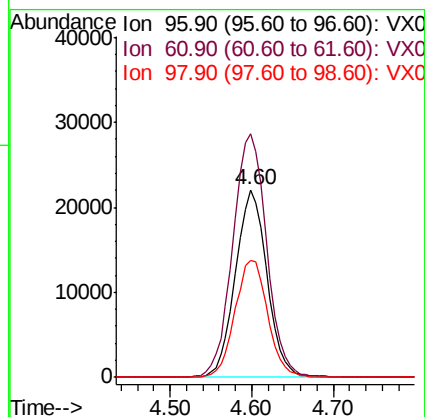
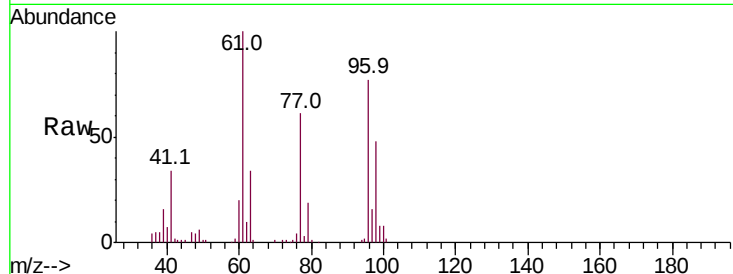
cis-1,2-Dichloroethene
Concen: 19.579 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.7	0.0	288.0	
98	64.6	0.0	129.0	

Manual Integrations
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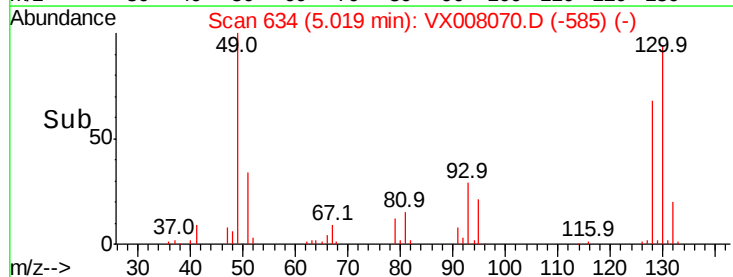
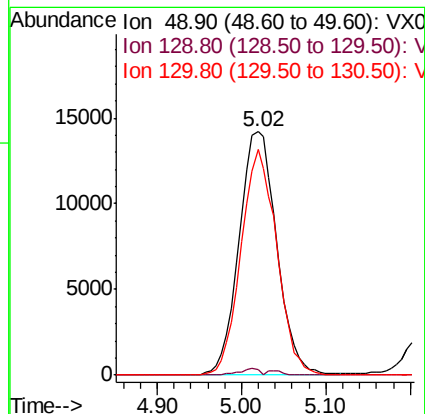
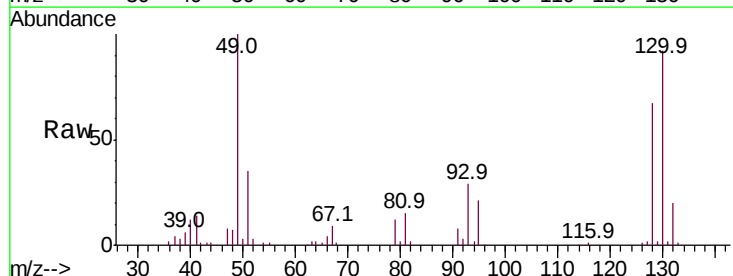
MMDadoda
3/15/2019 9:07:15 AM

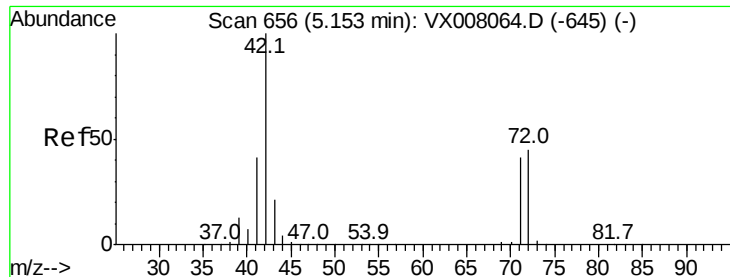


#28

Bromochloromethane
Concen: 19.459 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	4.0	
130	87.8	65.0	97.4	





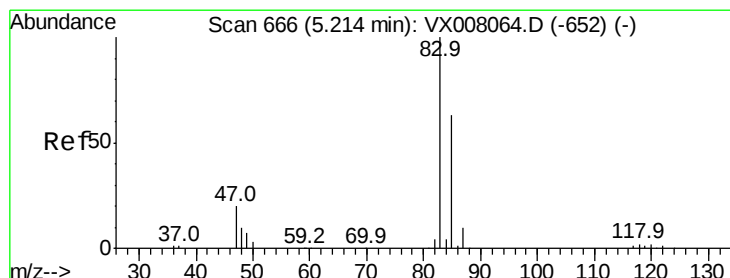
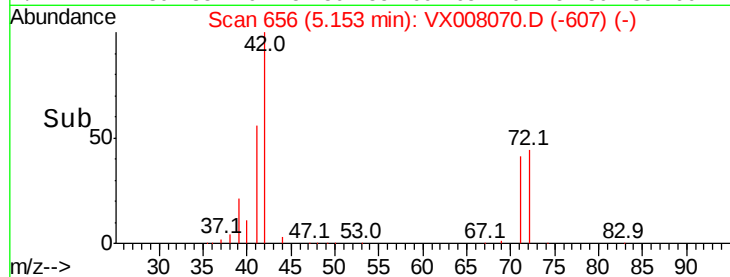
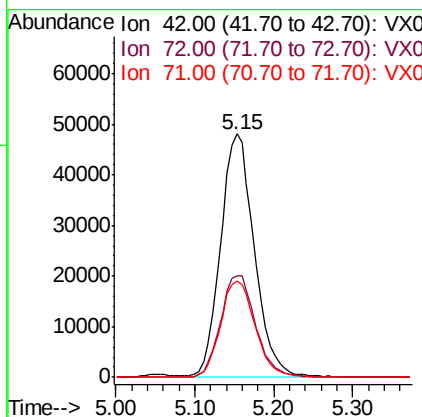
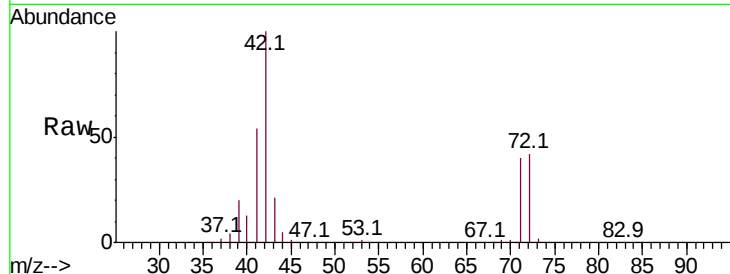
#29
Tetrahydrofuran
Concen: 100.718 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	33.8	50.6
71	41.0	31.5	47.3

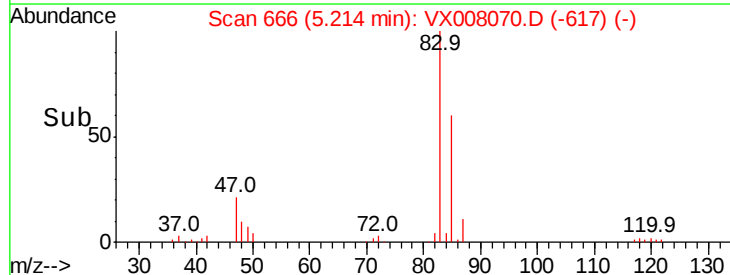
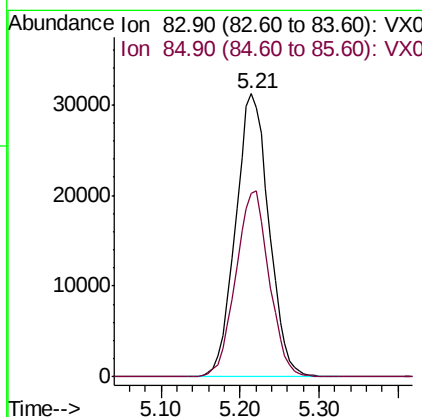
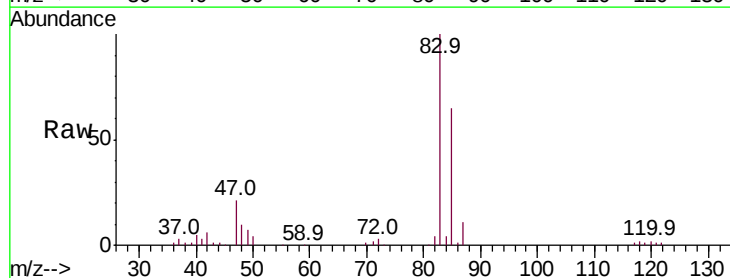
Manual Integrations
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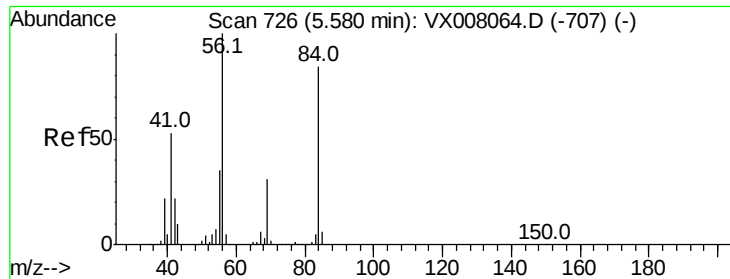
MMDadoda
3/15/2019 9:07:15 AM



#30
Chloroform
Concen: 19.321 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





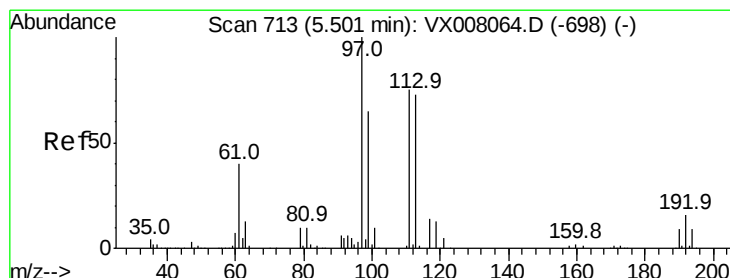
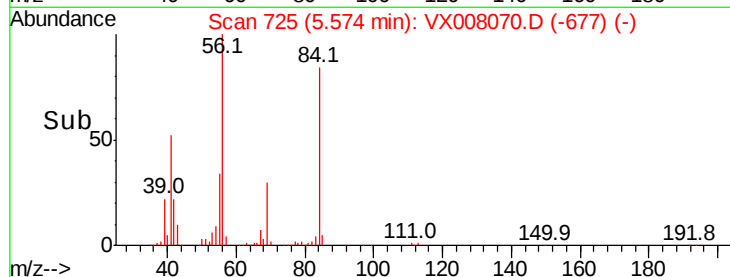
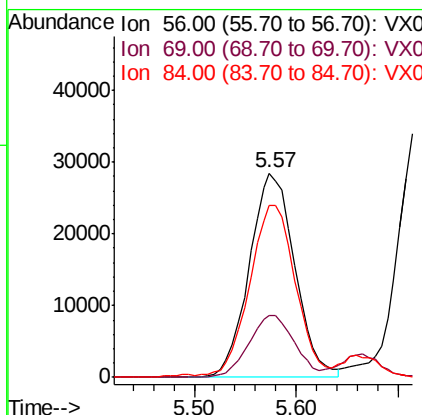
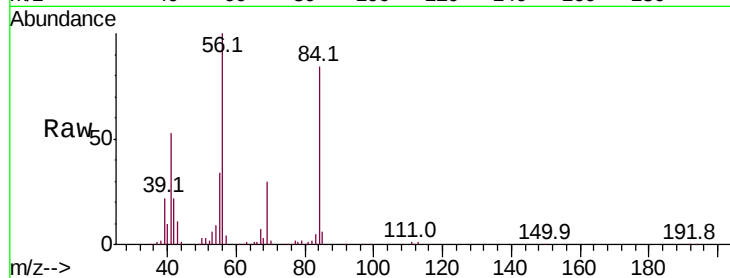
#31
Cvclohexane
Concen: 19.679 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.0	36.0
84	82.6	65.3	97.9

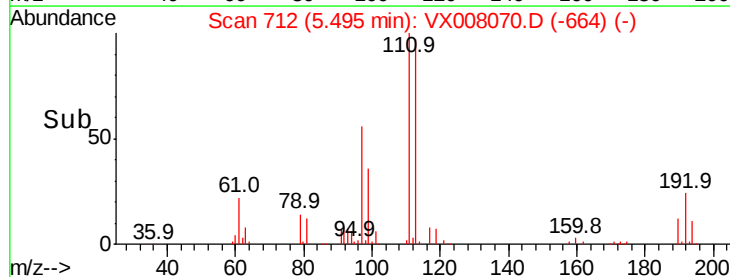
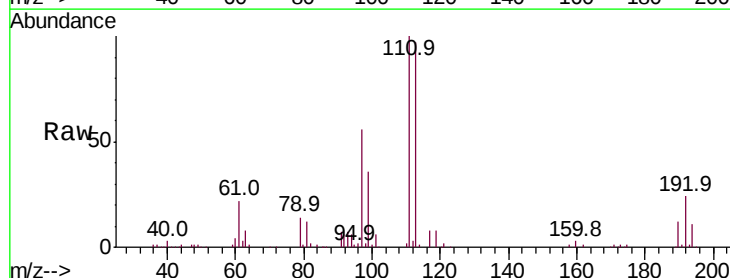
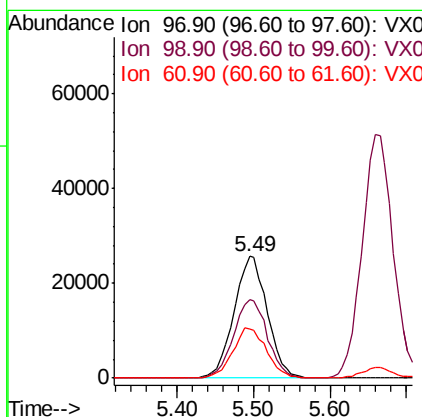
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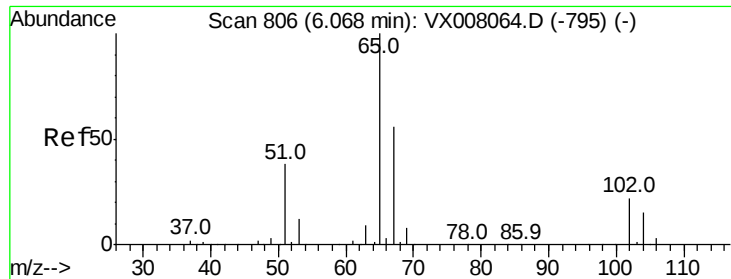
MMDadoda
3/15/2019 9:07:15 AM



#32
1,1,1-Trichloroethane
Concen: 19.330 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.2	78.2
61	41.7	34.9	52.3





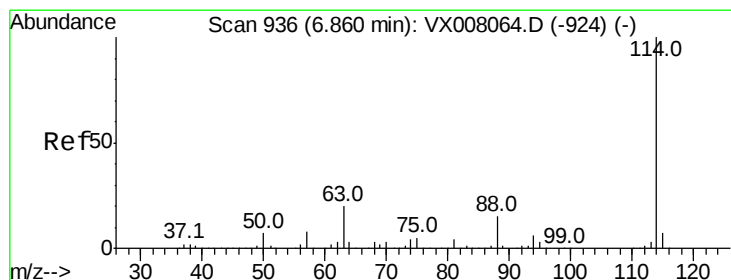
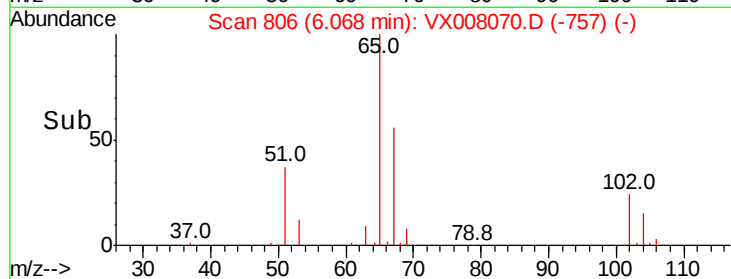
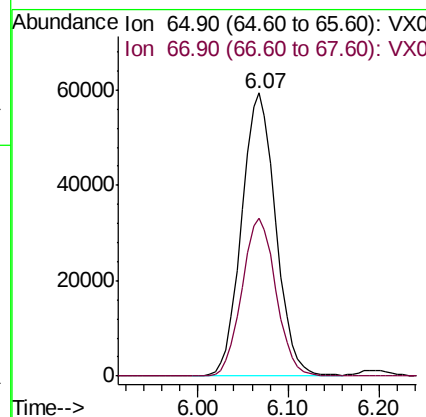
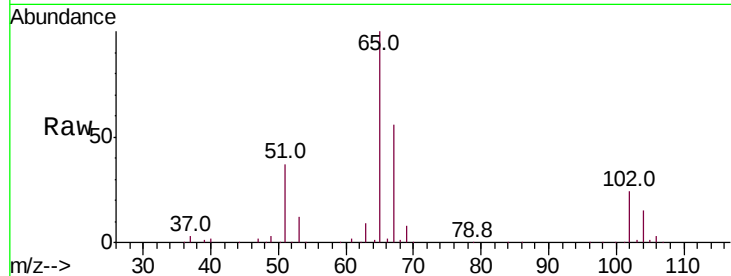
#33
 1,2-Dichloroethane-d4
 Concen: 49.333 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008070.D
 Acq: 14 Mar 2019 14:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	154097		
67	55.9	0.0	110.0	

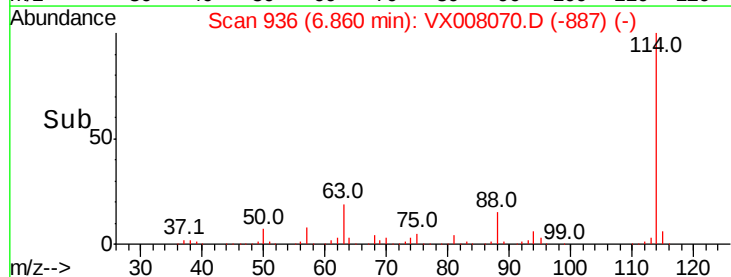
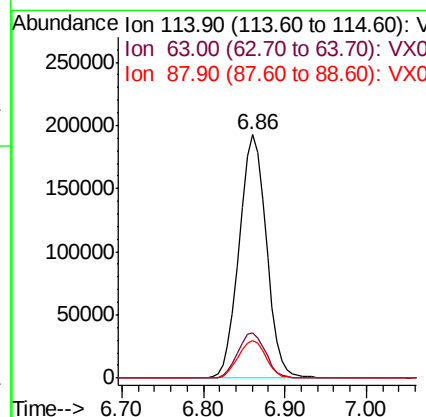
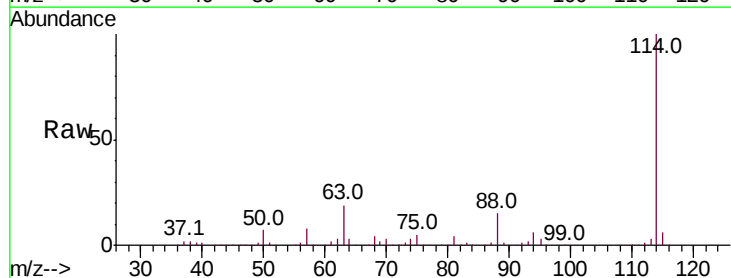
Manual Integrations
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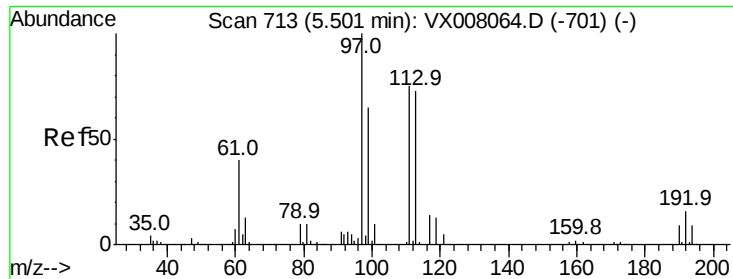
MMDadoda
 3/15/2019 9:07:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008070.D
 Acq: 14 Mar 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	444149		
63	18.8	0.0	39.8	
88	15.3	0.0	31.4	





#35

Dibromofluoromethane

Concen: 49.646 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

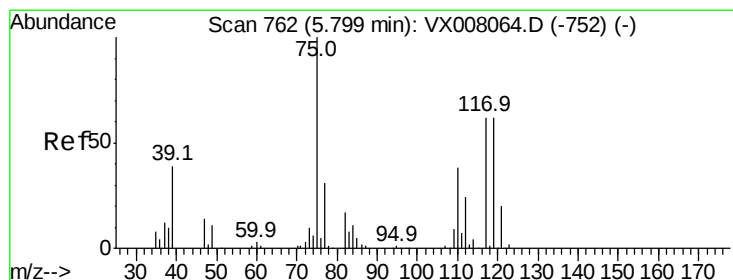
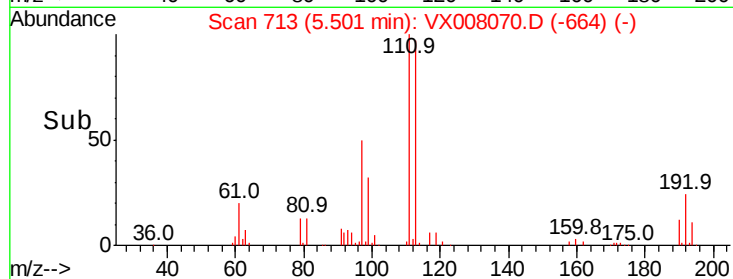
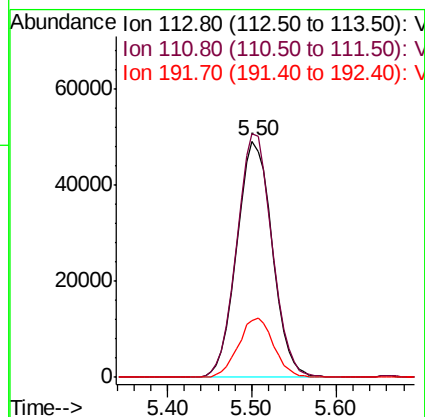
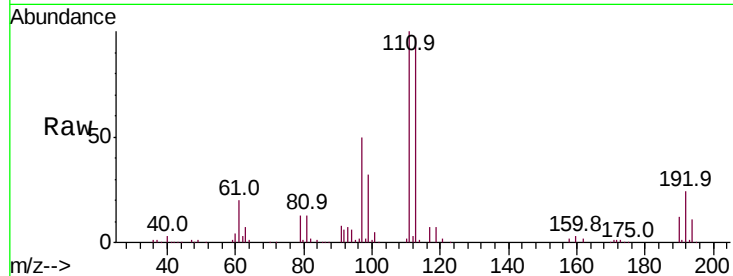
ClientSampleId :

VX0314MBS01

Tot Ion:	113	Resp:	139829
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.4	122.0
192	25.0	19.4	29.0

Manual Integrations
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3/15/2019 9:07:15 AM



#36

1,1-Dichloropropene

Concen: 19.412 ug/l

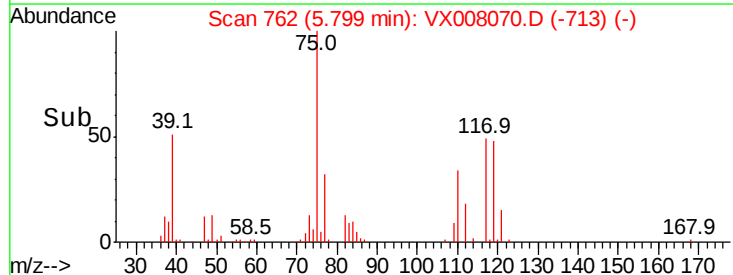
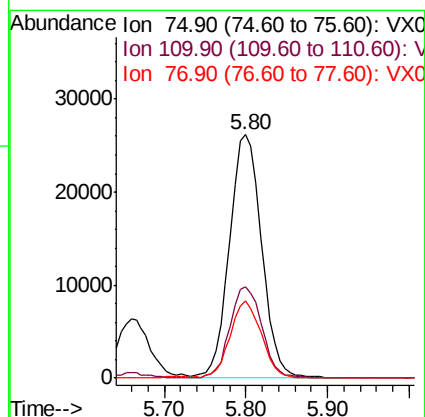
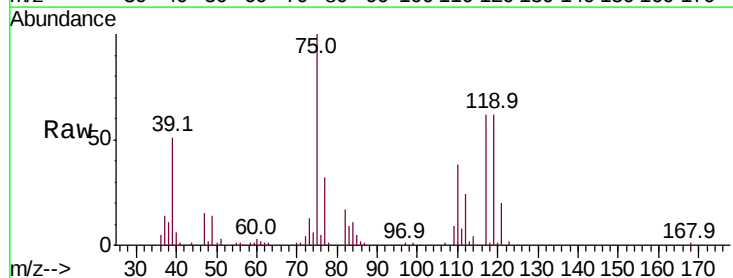
RT: 5.80 min Scan# 762

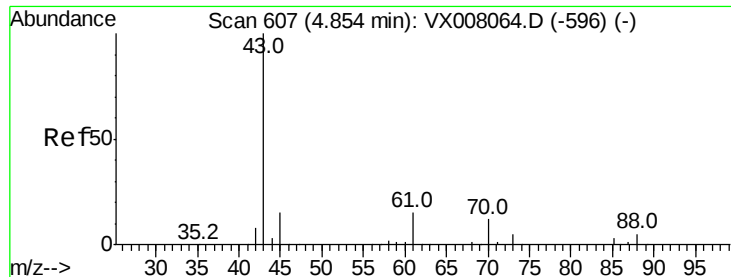
Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Tgt Ion:	75	Resp:	70928
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.4	55.0
77	31.0	25.0	37.4





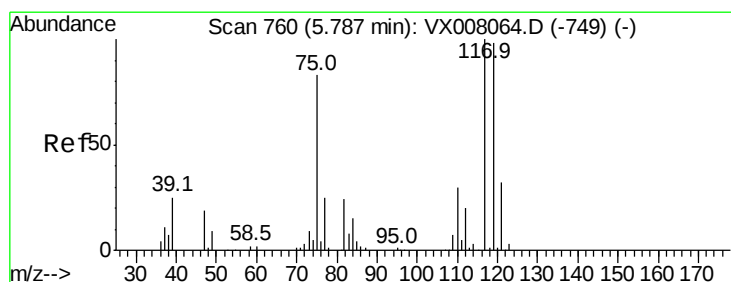
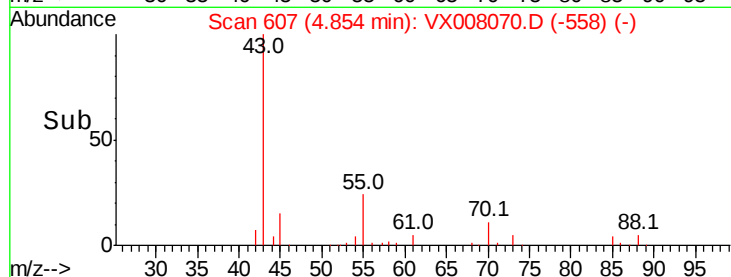
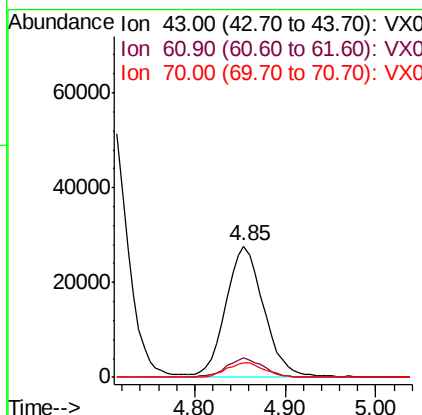
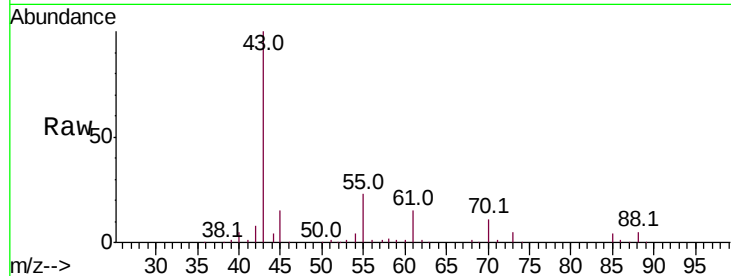
#37
Ethyl Acetate
Concen: 20.263 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion	43	Ratio	100	Resp:	79576
Ion	43	100		Lower	Upper
	61	14.5		11.3	16.9
	70	11.3		8.5	12.7

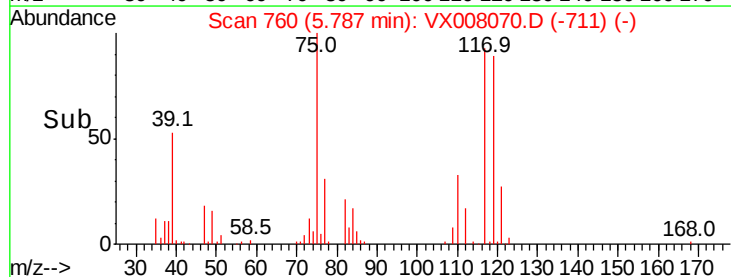
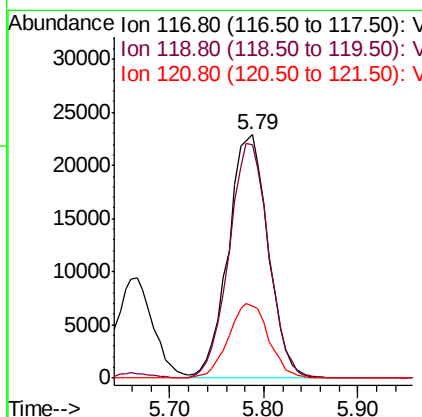
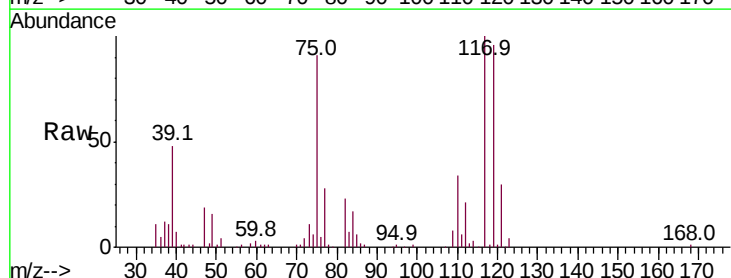
Manual Integrations
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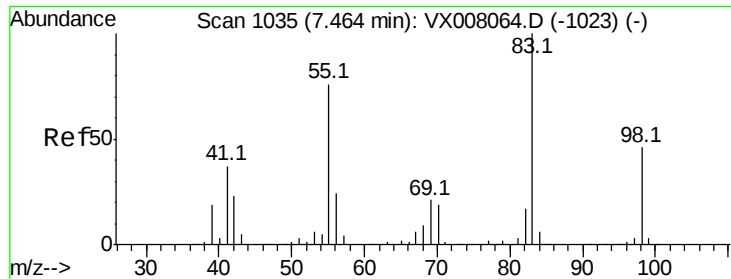
MMDadoda
3/15/2019 9:07:15 AM



#38
Carbon Tetrachloride
Concen: 19.119 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion	117	Ratio	100	Resp:	67242
Ion	117	100		Lower	Upper
	119	95.7		76.2	114.2
	121	29.8		24.6	36.8





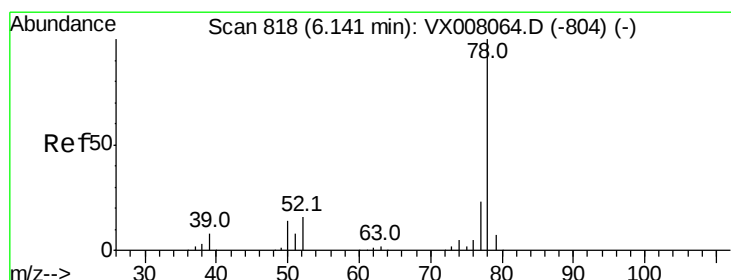
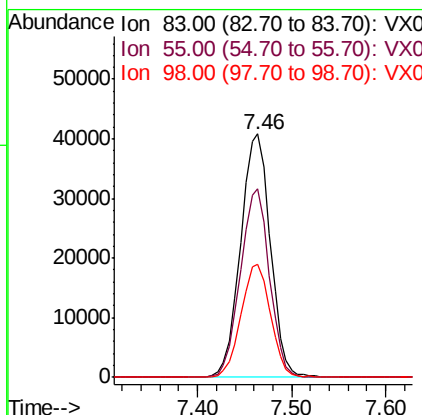
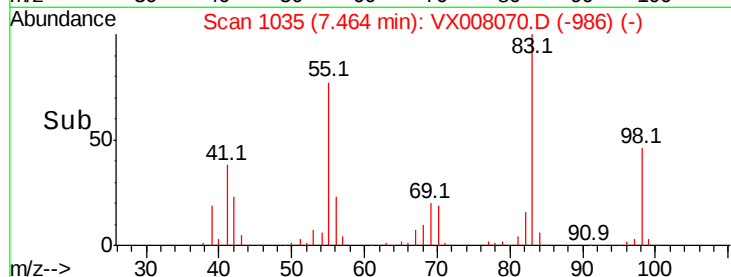
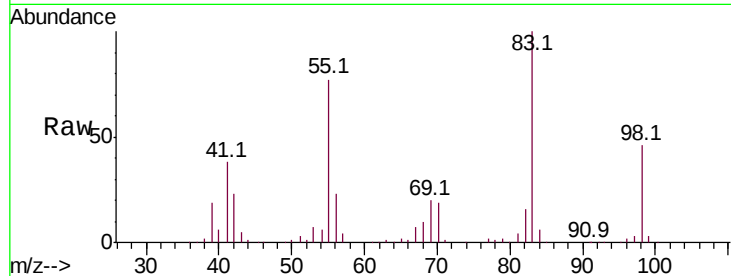
#39
Methylvlcyclohexane
Concen: 19.141 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	60.4	90.6
98	46.3	36.5	54.7

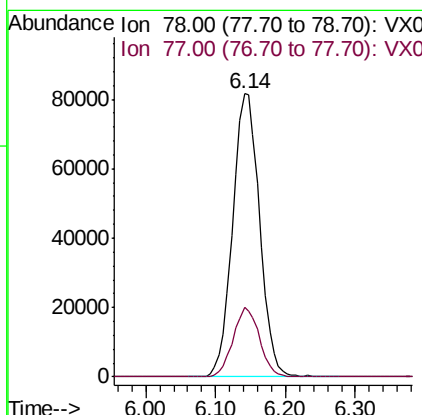
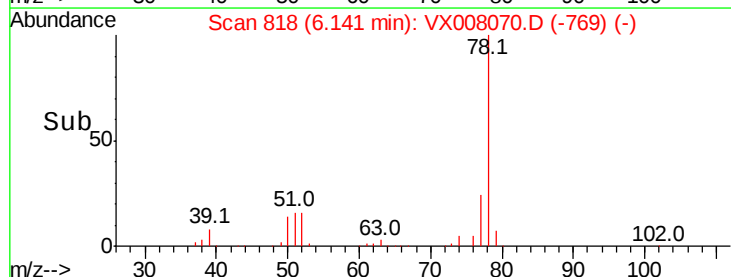
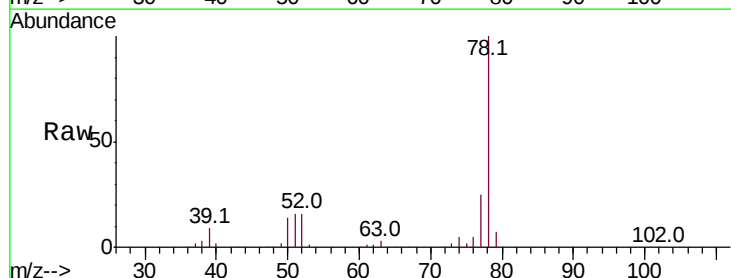
Manual Integrations
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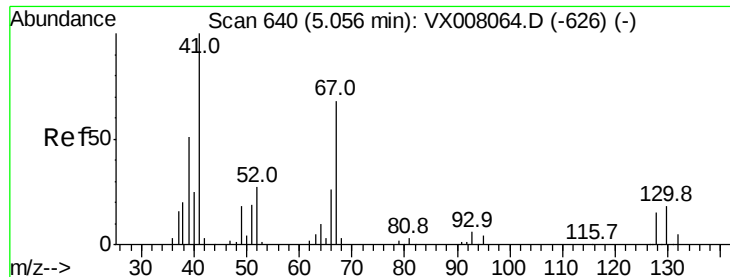
MMDadoda
3/15/2019 9:07:15 AM



#40
Benzene
Concen: 19.541 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.4





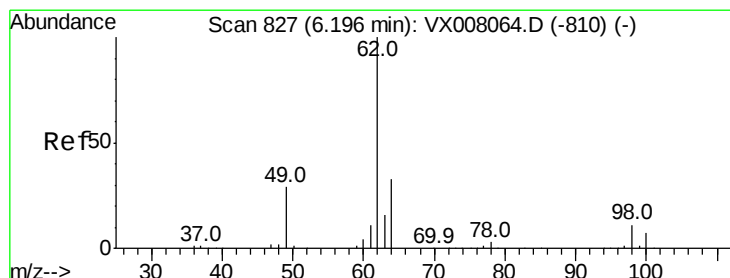
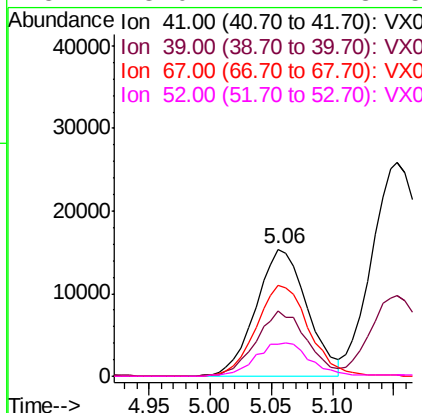
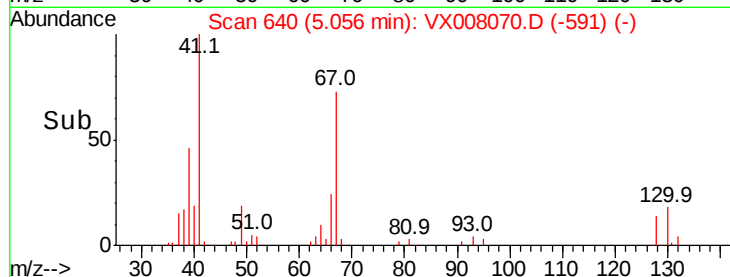
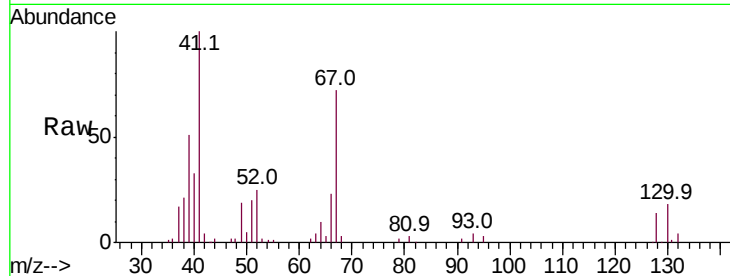
#41
Methacrylonitrile
Concen: 19.576 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion:	41	Resp:	44760
Ion Ratio	Lower	Upper	
41	100		
39	51.3	41.6	62.4
67	73.7	55.8	83.6
52	28.0	21.7	32.5

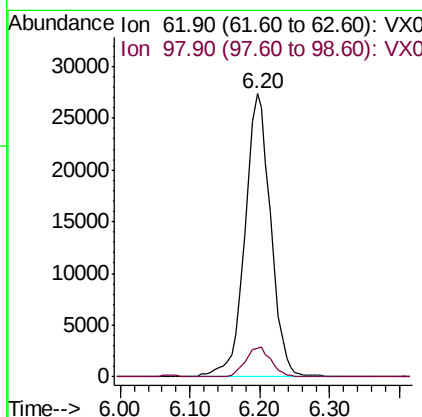
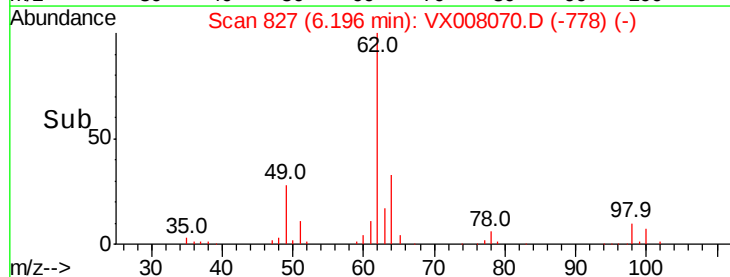
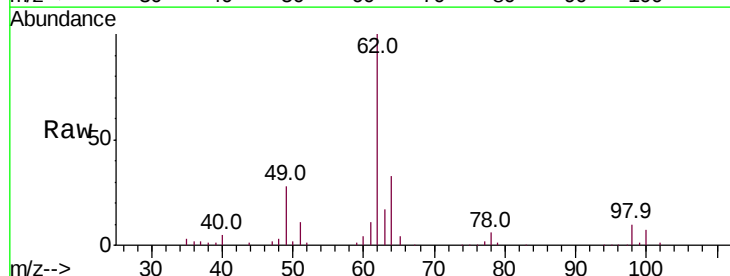
Manual Integrations
APPROVED

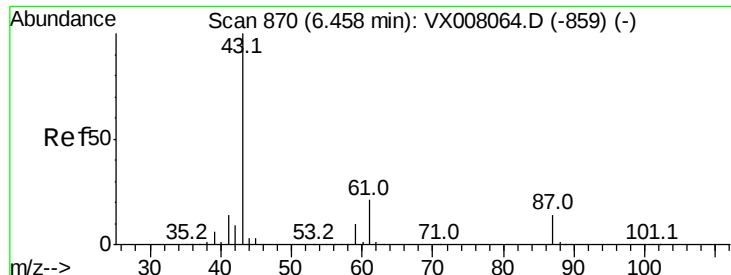
MMDadoda
3/15/2019 9:07:15 AM



#42
1,2-Dichloroethane
Concen: 19.540 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion:	62	Resp:	69971
Ion Ratio	Lower	Upper	
62	100		
98	10.5	0.0	20.4





#43

Isopropyl Acetate

Concen: 19.337 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

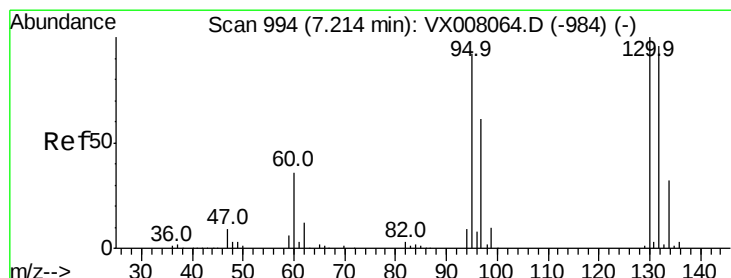
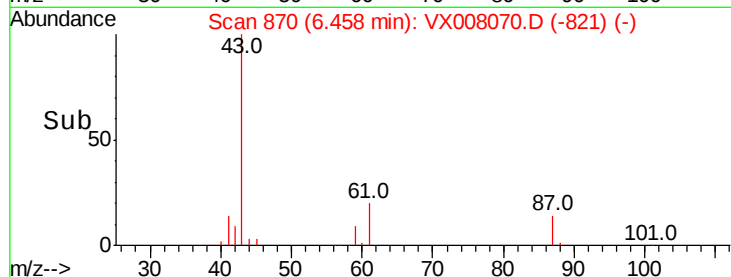
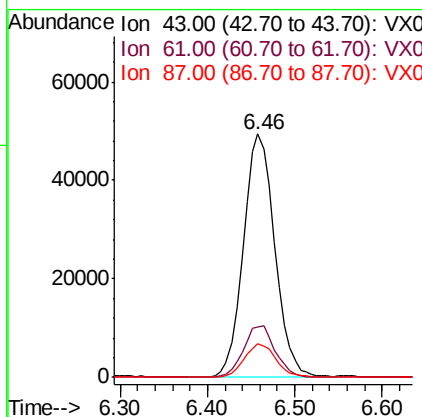
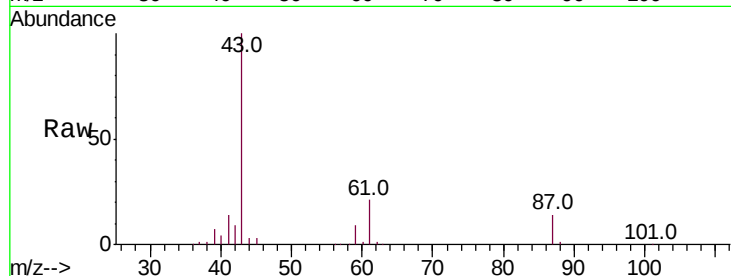
ClientSampleId :

VX0314MBS01

Tot Ion:	43	Resp:	122295
Ion	Ratio	Lower	Upper
43	100		
61	21.6	16.3	24.5
87	14.0	10.5	15.7

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 18.856 ug/l

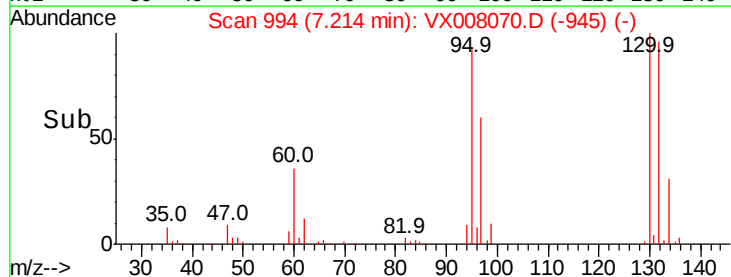
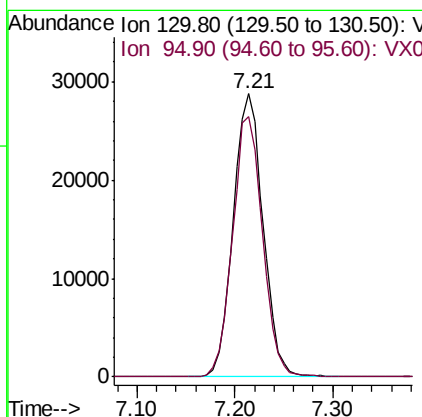
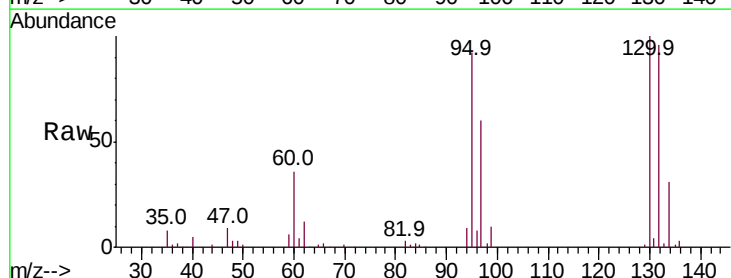
RT: 7.21 min Scan# 994

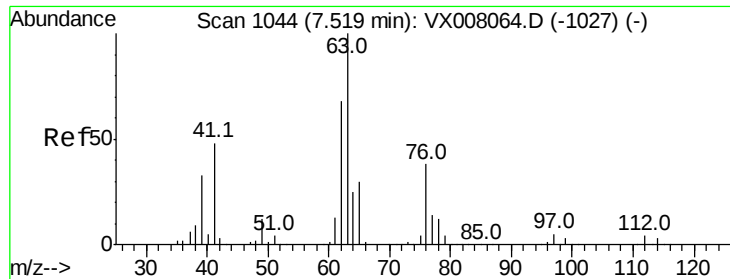
Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Tgt Ion:	130	Resp:	60914
Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.216 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion: 63 Resp: 56745

Ion Ratio Lower Upper

63 100

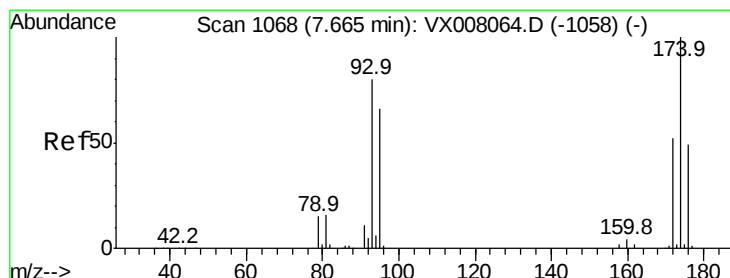
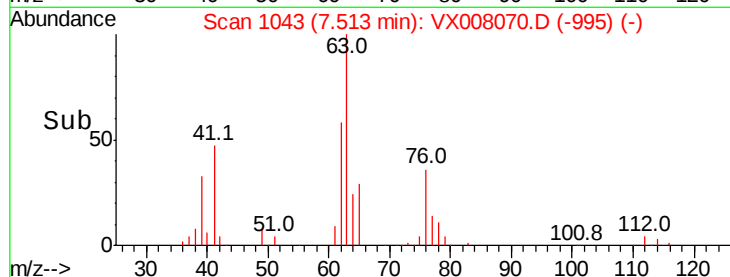
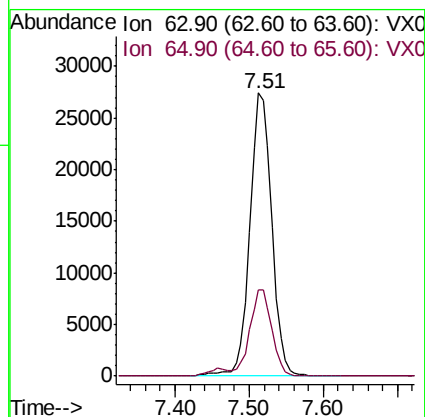
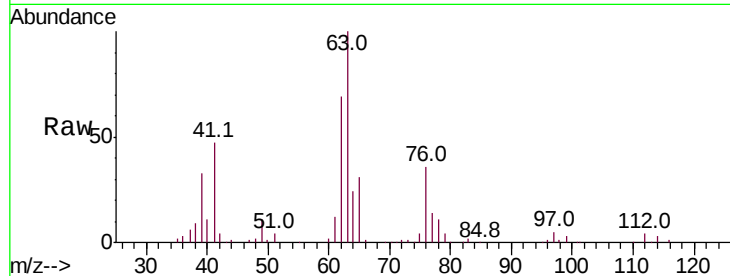
65 30.5 24.7 37.1

Manual Integrations

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MMDadoda

3/15/2019 9:07:15 AM



#46

Dibromomethane

Concen: 19.417 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

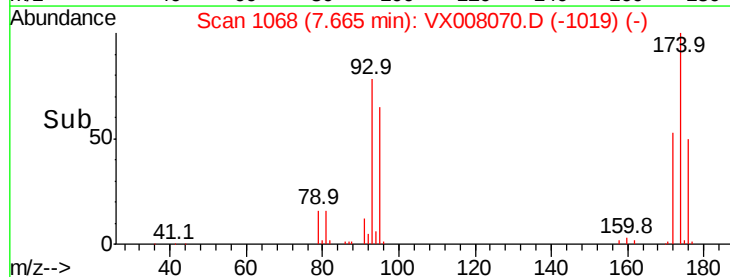
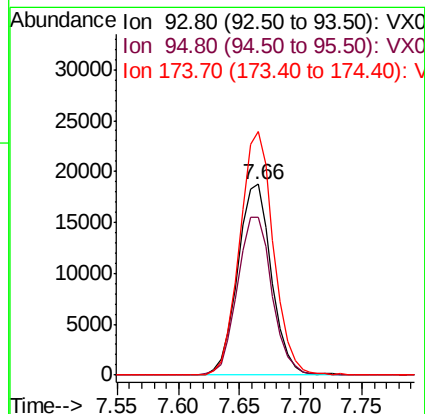
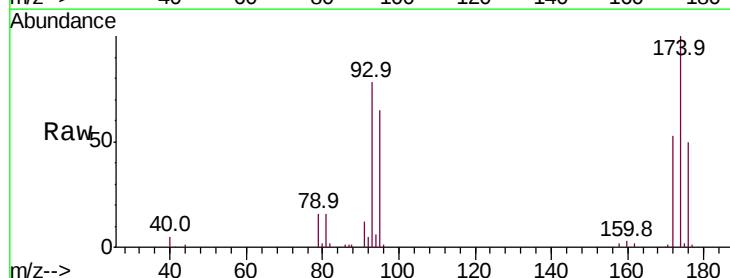
Tgt Ion: 93 Resp: 35939

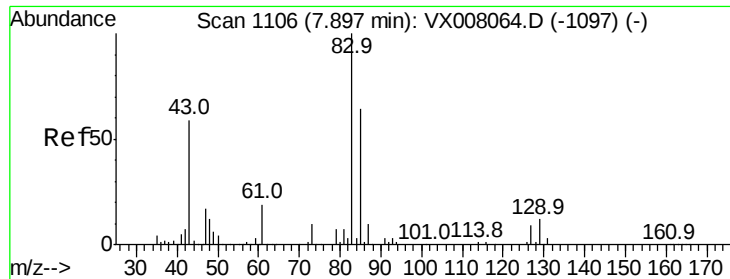
Ion Ratio Lower Upper

93 100

95 85.2 66.8 100.2

174 127.7 97.3 145.9





#47

Bromodichloromethane

Concen: 18.749 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

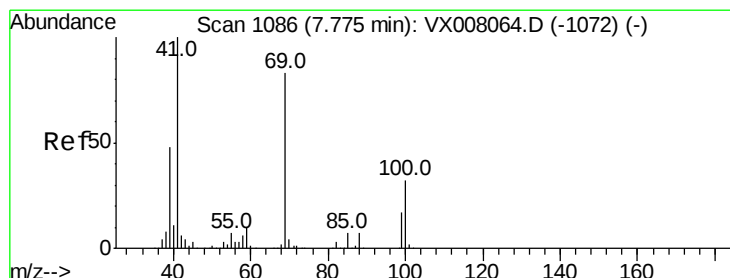
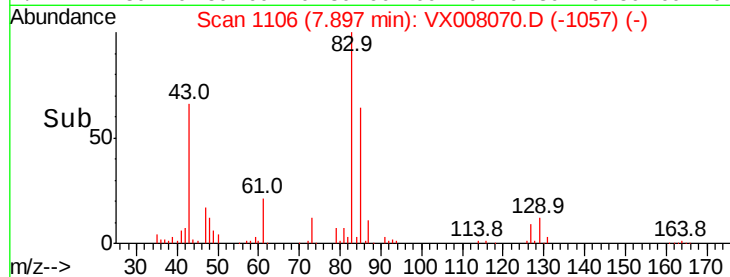
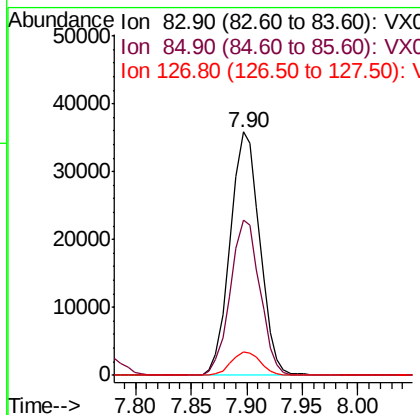
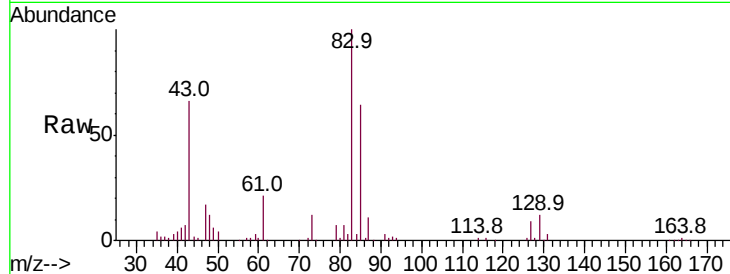
ClientSampleId :

VX0314MBS01

Tot Ion:	83	Resp:	65998
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.9	76.3
127	9.4	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.549 ug/l

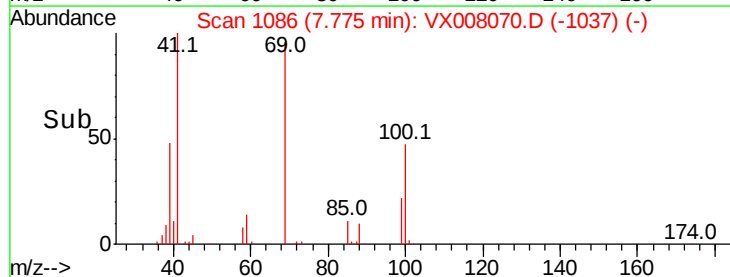
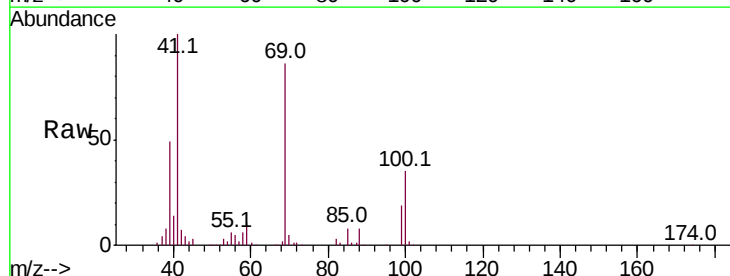
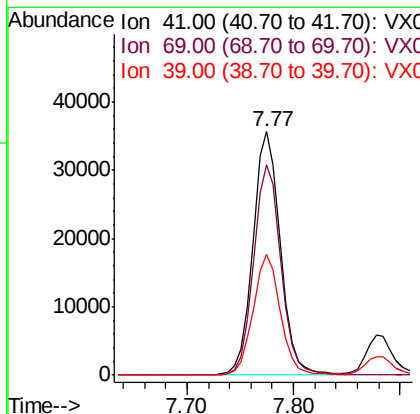
RT: 7.77 min Scan# 1086

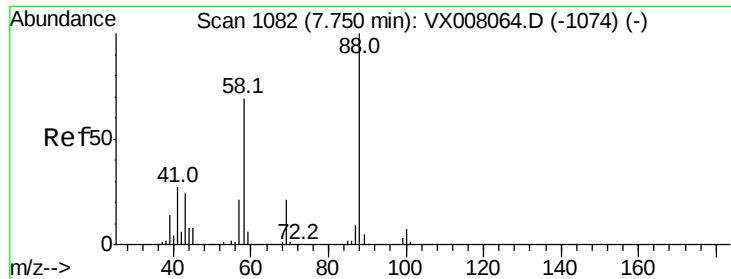
Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Tgt Ion:	41	Resp:	64572
Ion Ratio	Lower	Upper	
41	100		
69	86.3	65.2	97.8
39	48.6	39.4	59.2





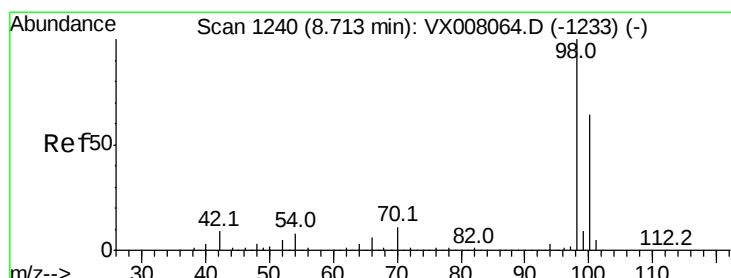
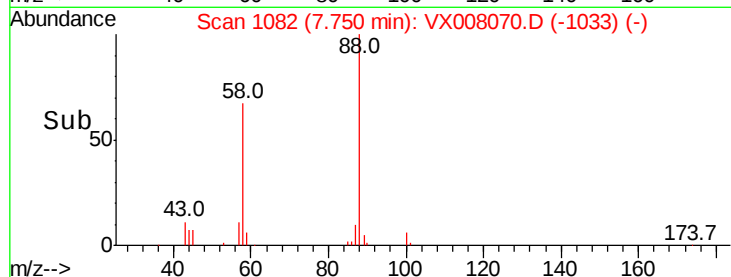
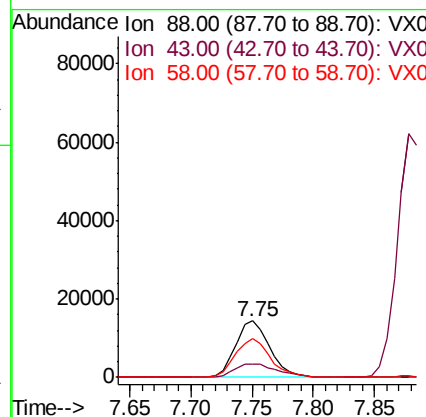
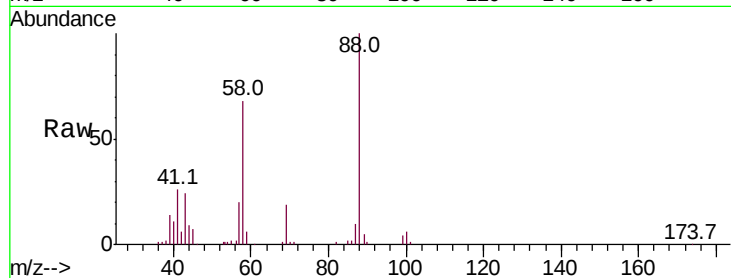
#49
1,4-Dioxane
Concen: 390.468 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	25.1	37.7
58	70.8	57.8	86.6

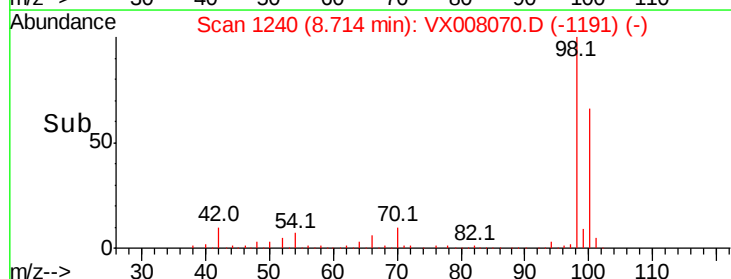
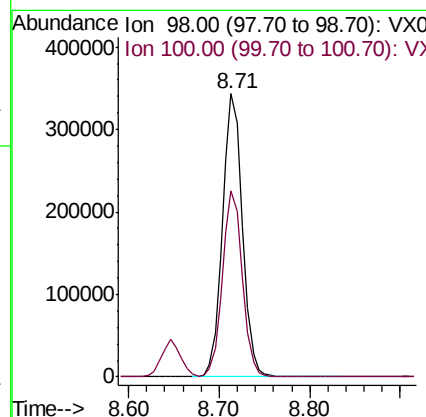
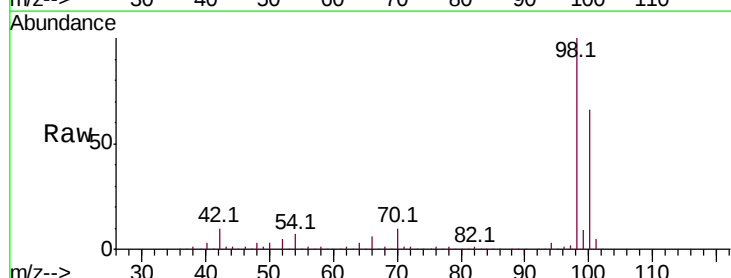
Manual Integrations
APPROVED

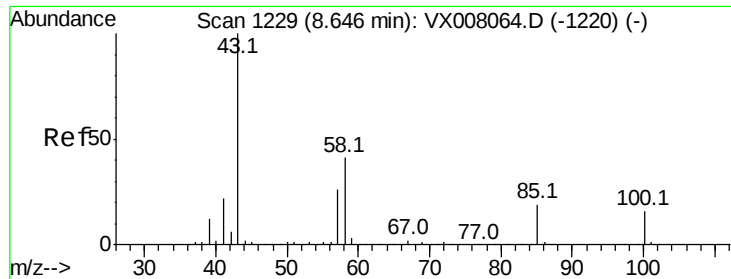
MMDadoda
3/15/2019 9:07:15 AM



#50
Toluene-d8
Concen: 49.172 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.7	77.5





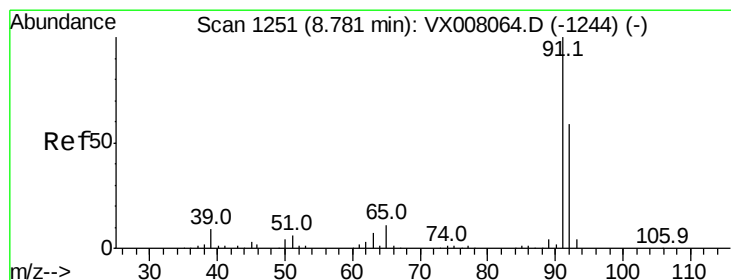
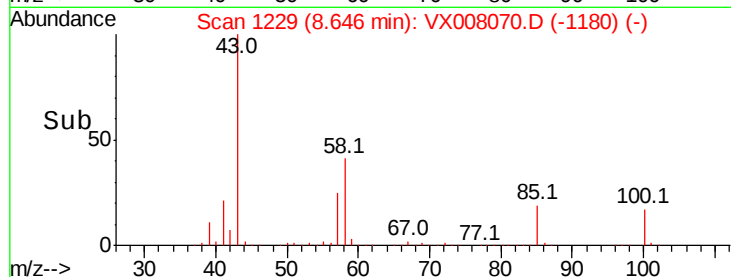
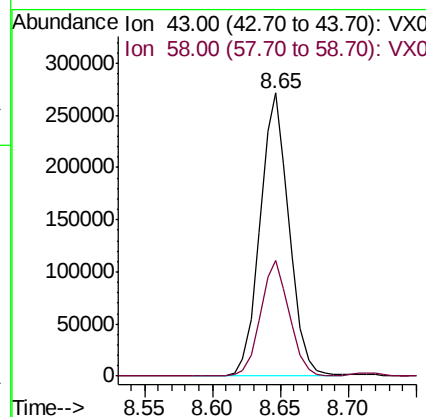
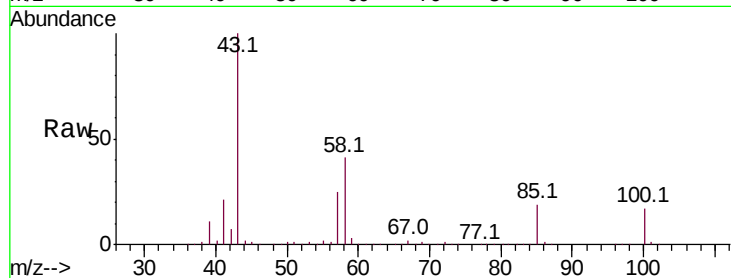
#51
4-Methyl-2-Pentanone
Concen: 97.259 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	31.3	46.9

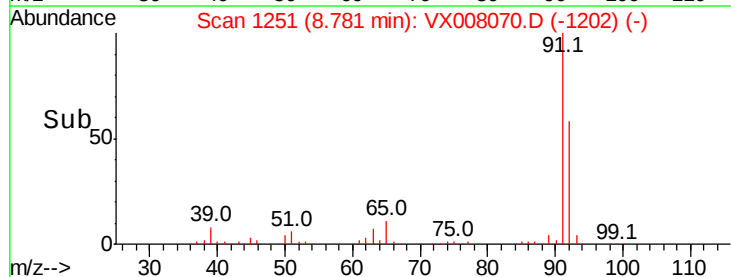
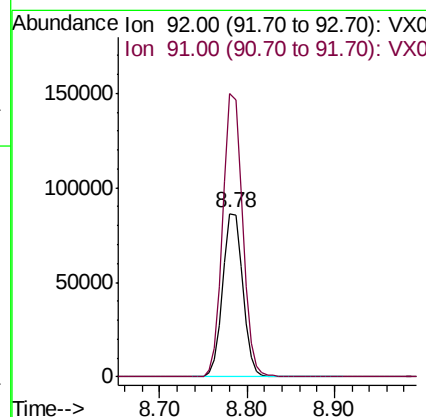
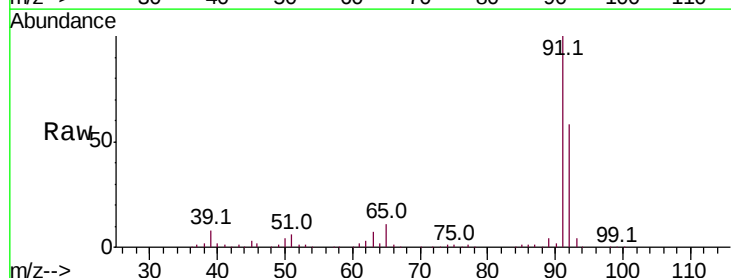
Manual Integrations
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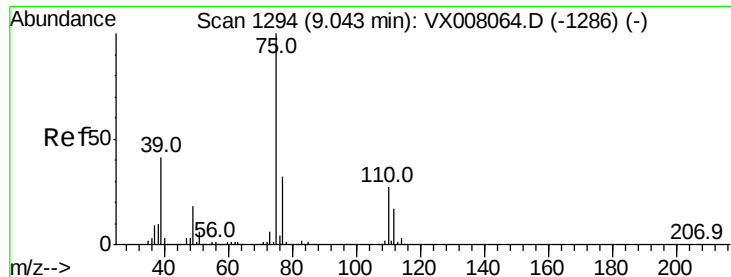
MMDadoda
3/15/2019 9:07:15 AM



#52
Toluene
Concen: 19.283 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.2	137.4	206.0





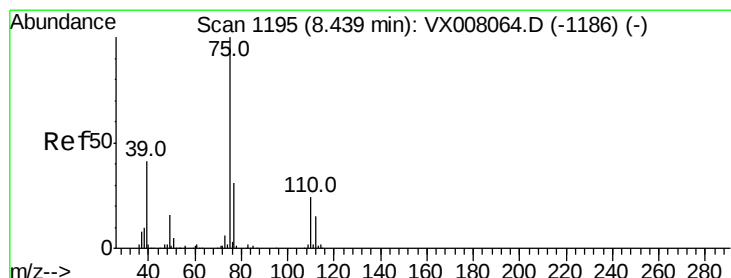
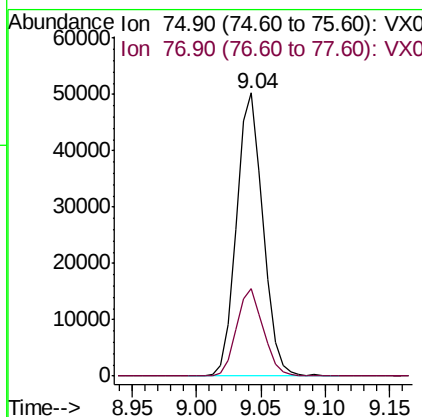
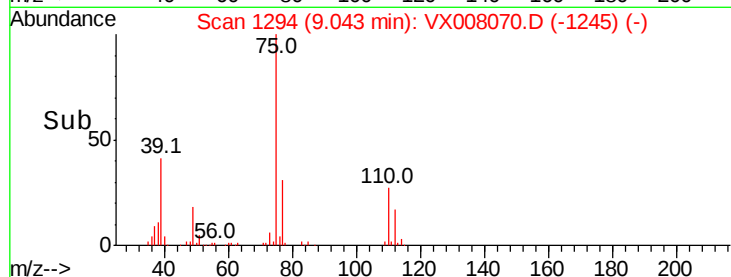
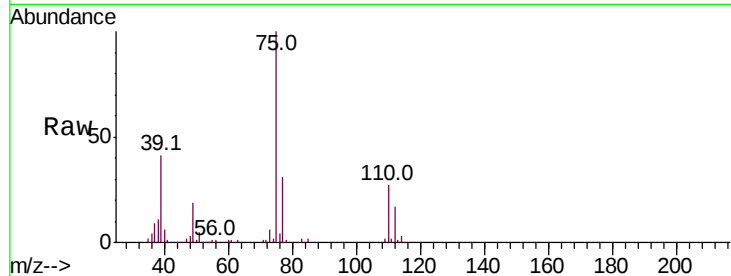
#53
 t-1,3-Dichloropropene
 Concen: 18.638 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX008070.D
 Acq: 14 Mar 2019 14:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314MBS01

Tot Ion: 75 Resp: 71921
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.4 38.0

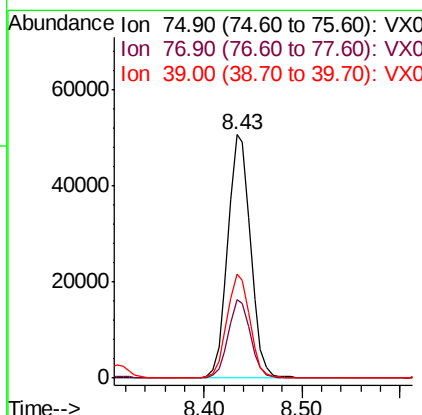
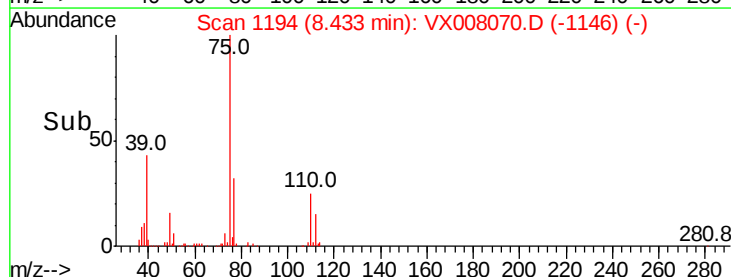
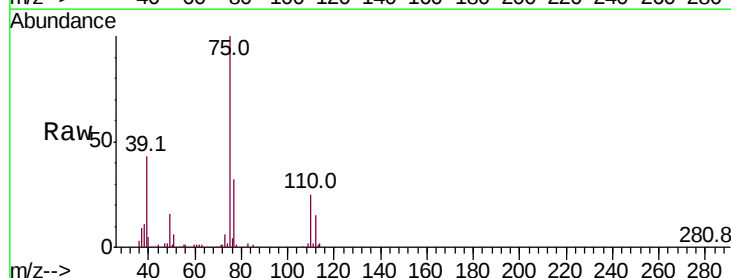
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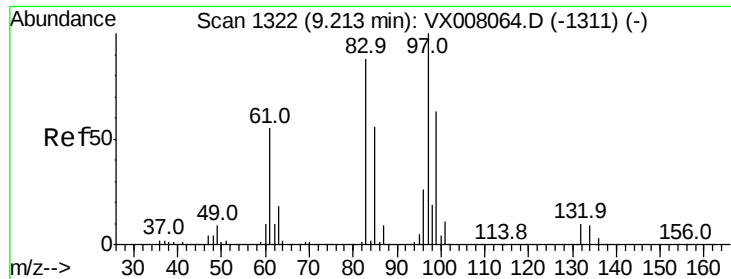
MMDadoda
 3/15/2019 9:07:15 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.109 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX008070.D
 Acq: 14 Mar 2019 14:59

Tgt Ion: 75 Resp: 81953
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.0 37.6
 39 42.7 36.6 54.8





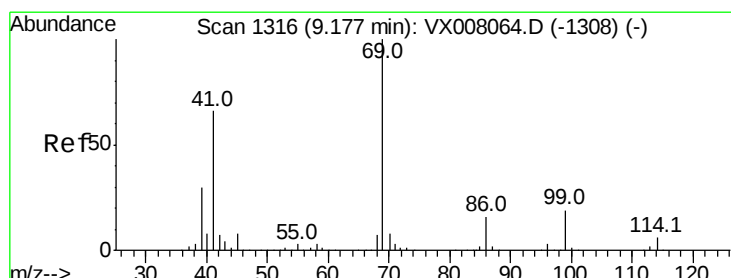
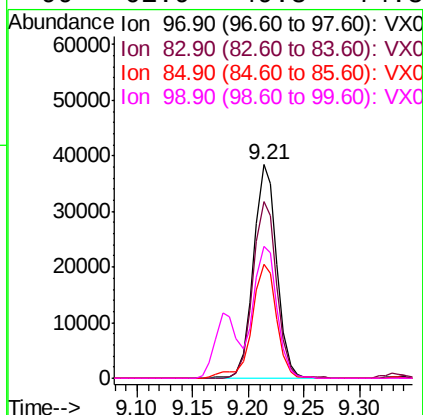
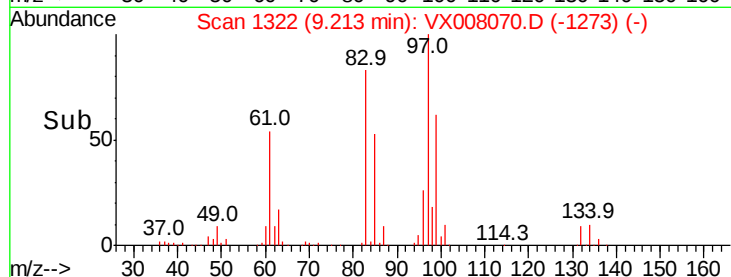
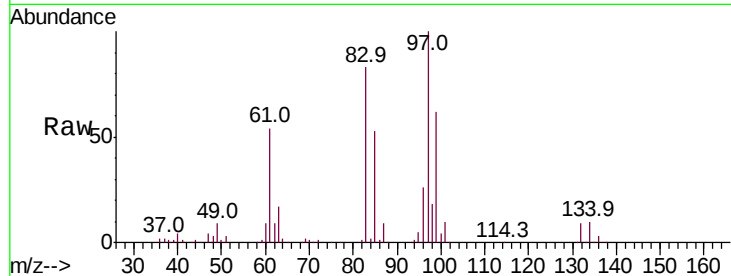
#55
 1,1,2-Trichloroethane
 Concen: 19.407 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008070.D
 Acq: 14 Mar 2019 14:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	82.9	69.1	103.7		
85	53.5	44.3	66.5		
99	61.9	49.8	74.8		

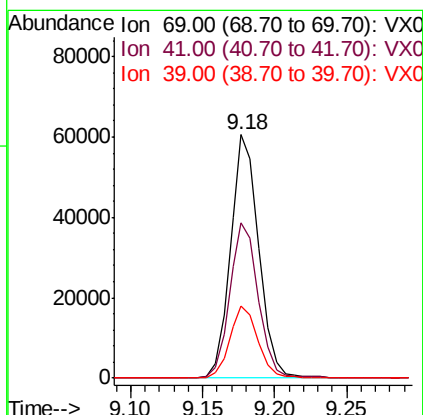
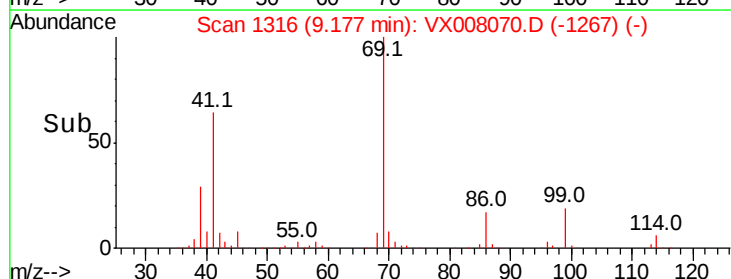
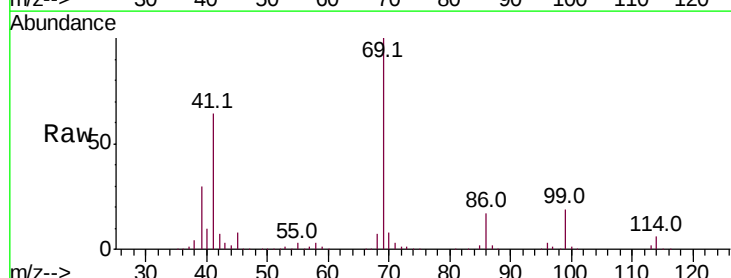
Manual Integrations
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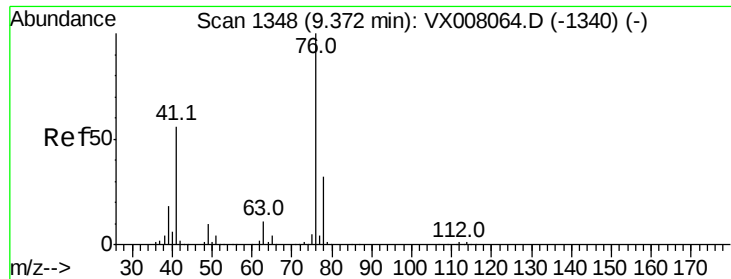
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 3/15/2019 9:07:15 AM



#56
 Ethyl methacrylate
 Concen: 19.321 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008070.D
 Acq: 14 Mar 2019 14:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	65.1	54.2	81.4		
39	30.2	25.0	37.4		





#57

1,3-Dichloropropane

Concen: 19.356 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion: 76 Resp: 92803

Ion Ratio Lower Upper

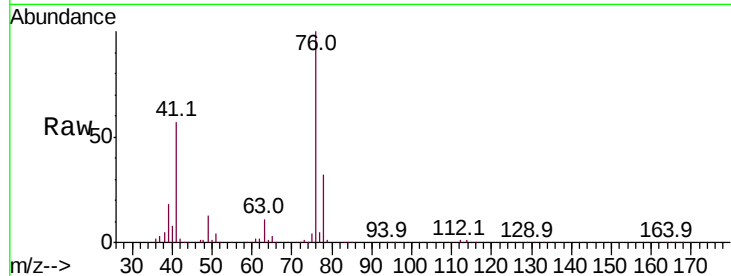
76 100

78 32.0 25.5 38.3

Manual Integrations
APPROVED

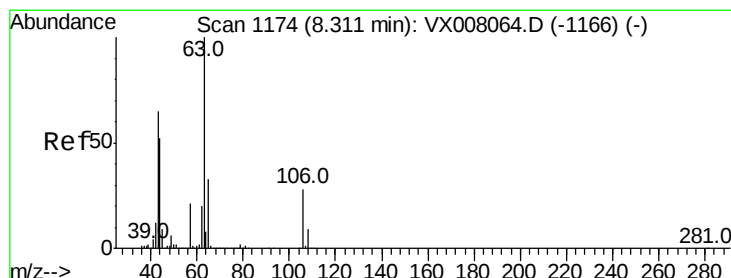
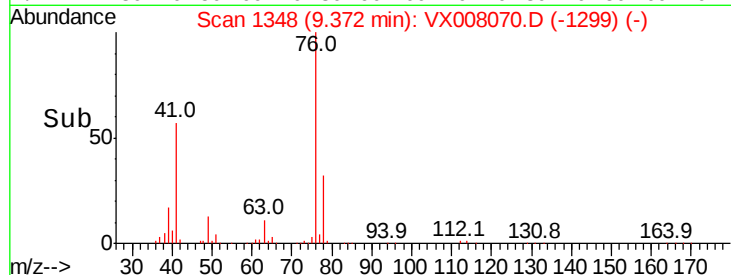
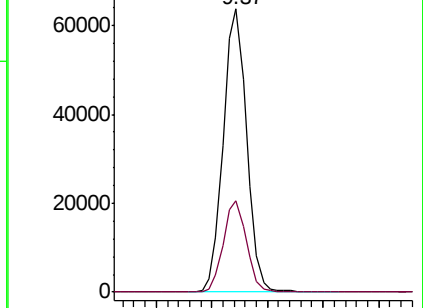
MMDadoda

3/15/2019 9:07:15 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 94.950 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX008070.D

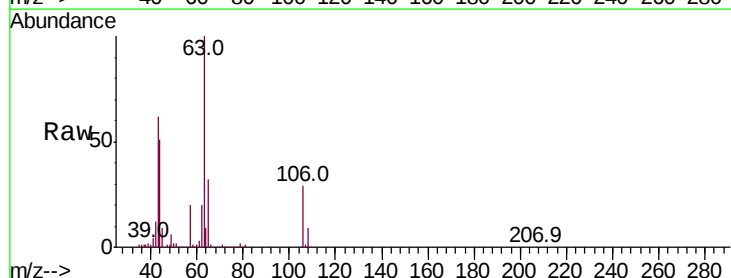
Acq: 14 Mar 2019 14:59

Tgt Ion: 63 Resp: 239054

Ion Ratio Lower Upper

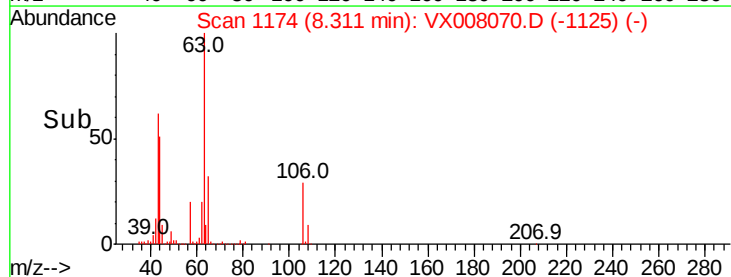
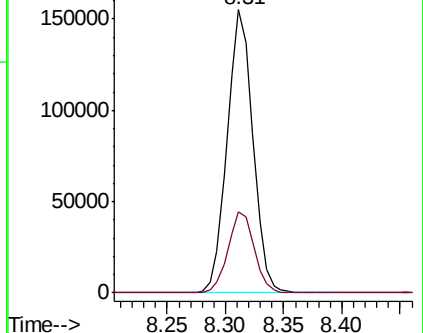
63 100

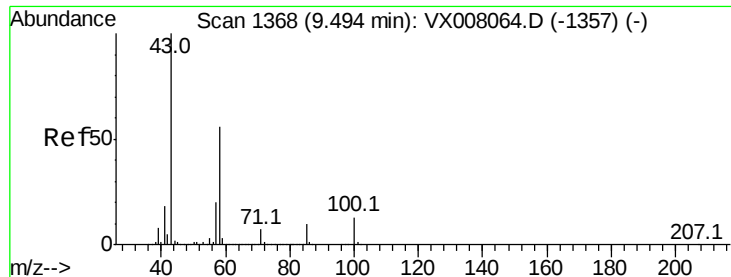
106 29.1 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





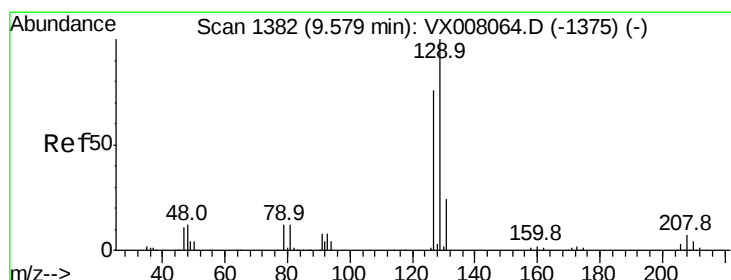
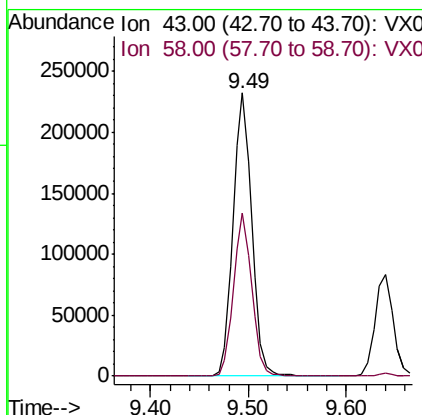
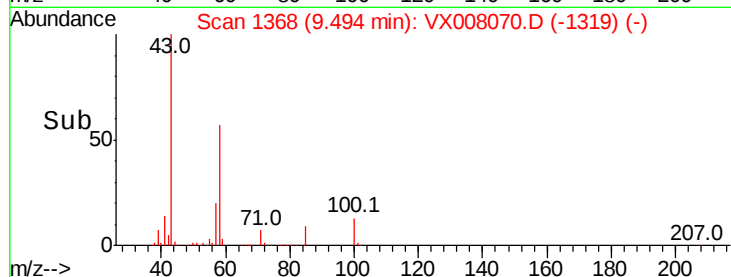
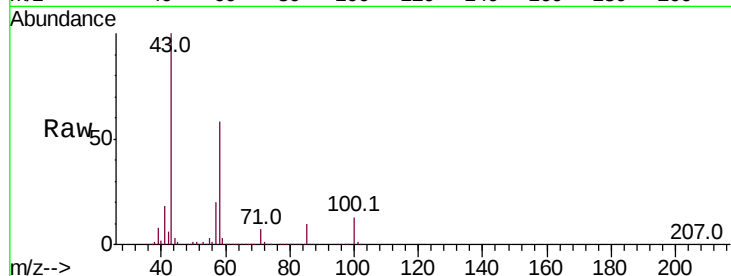
#59
2-Hexanone
Concen: 94.617 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion: 43 Resp: 308432
Ion Ratio Lower Upper
43 100
58 56.4 27.6 82.7

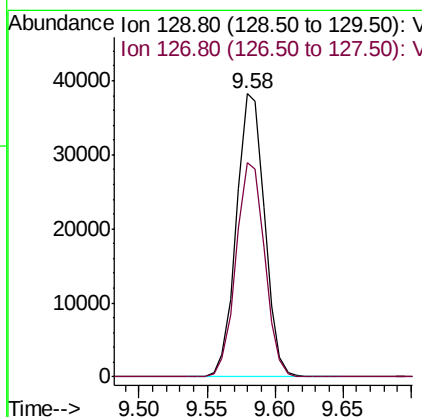
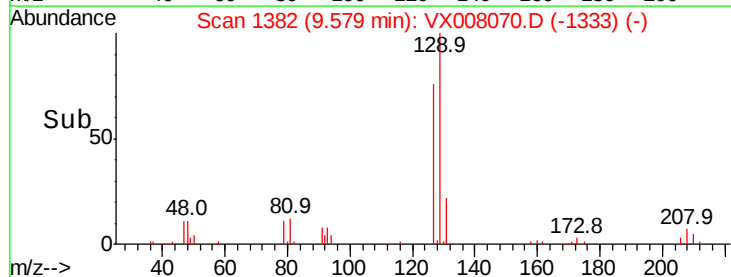
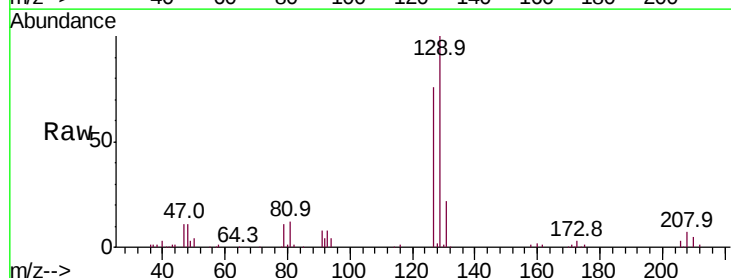
Manual Integrations
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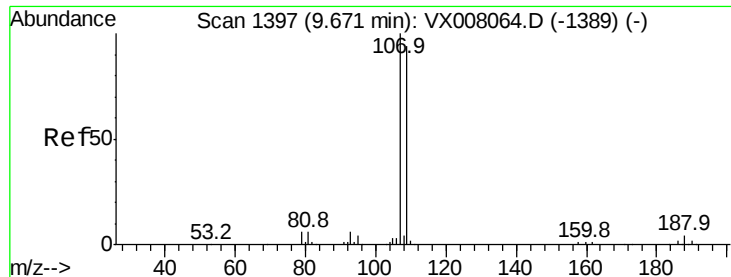
MMDadoda
3/15/2019 9:07:15 AM



#60
Dibromochloromethane
Concen: 18.556 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion: 129 Resp: 55409
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.8





#61

1,2-Dibromoethane

Concen: 19.364 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion:107 Resp: 58783

Ion Ratio Lower Upper

107 100

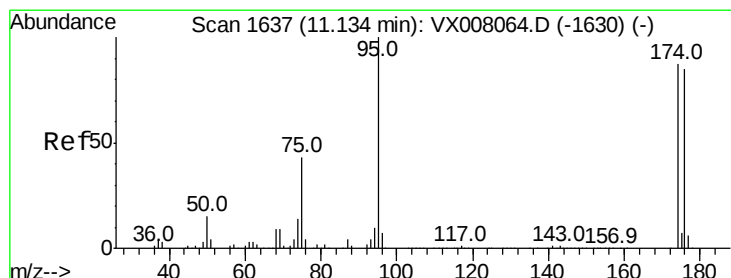
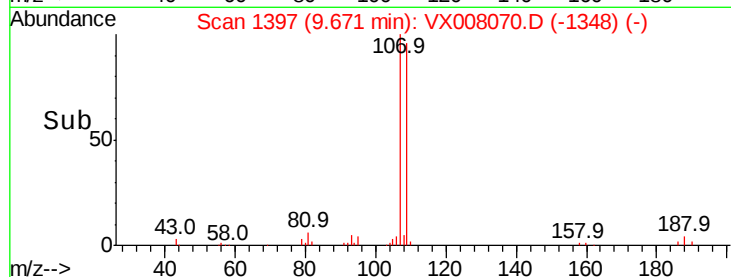
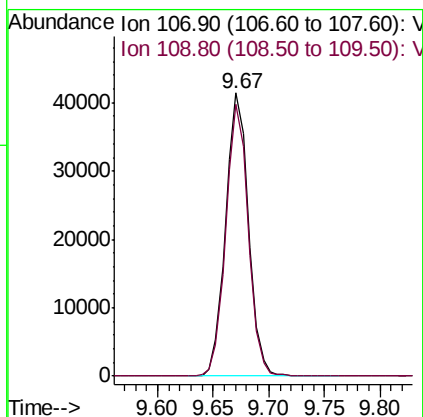
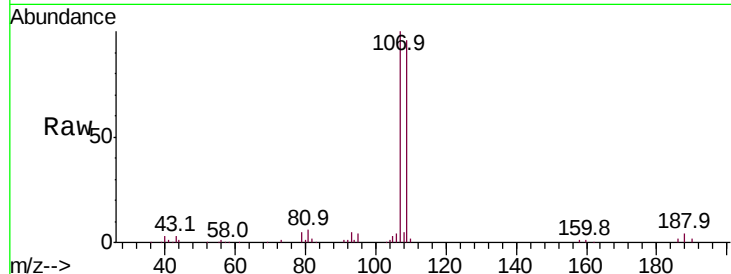
109 94.5 75.8 113.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.779 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

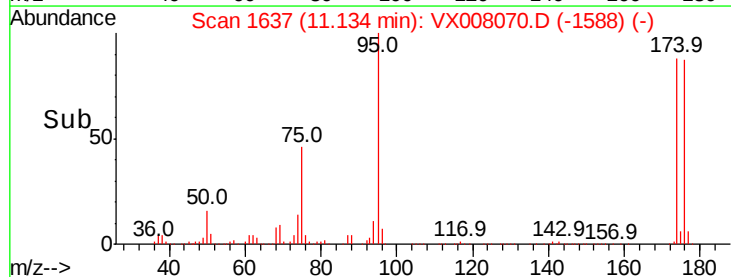
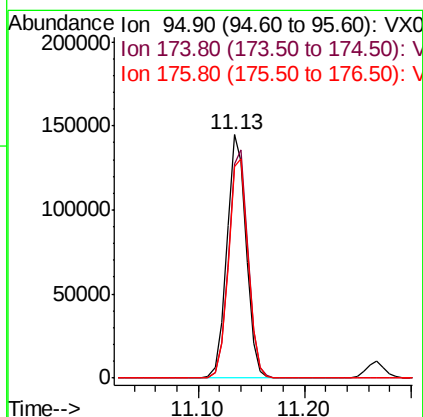
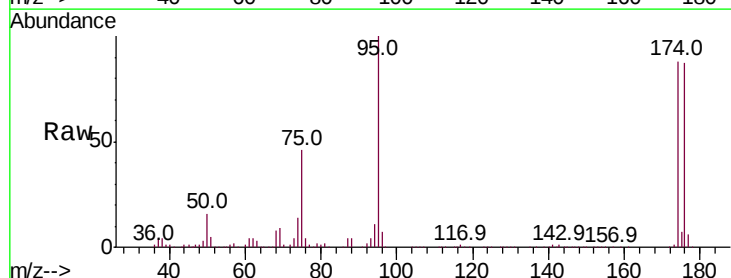
Tgt Ion: 95 Resp: 183352

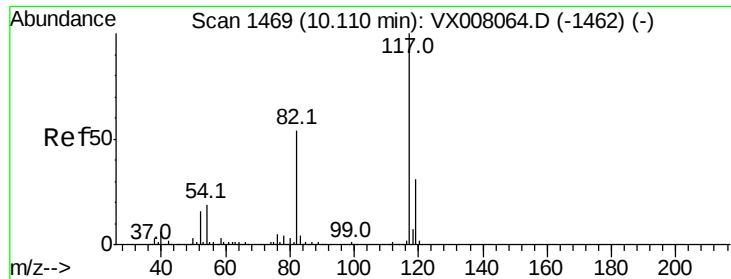
Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.8

176 92.2 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

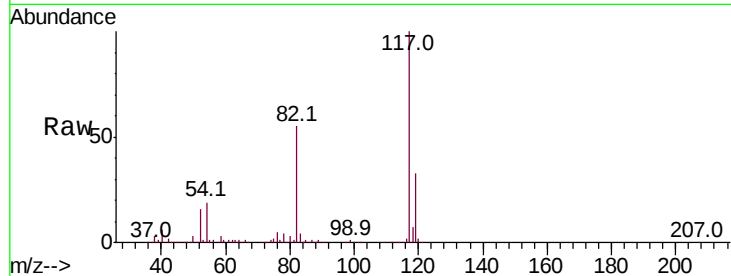
ClientSampleId :

VX0314MBS01

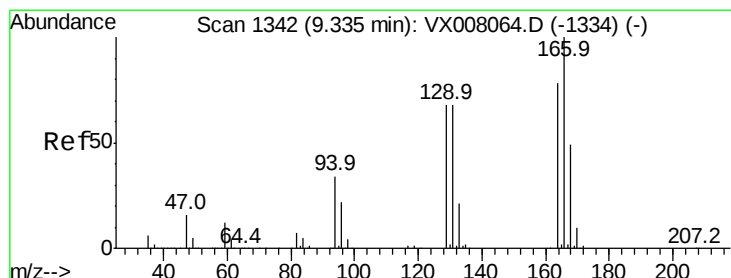
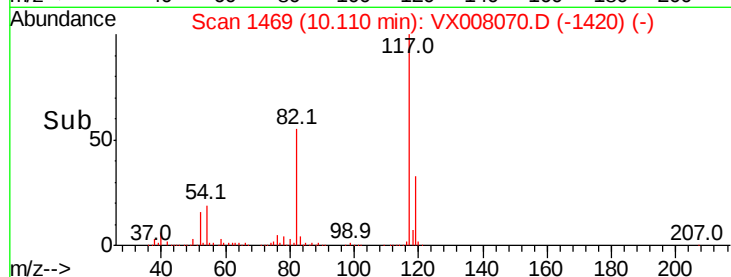
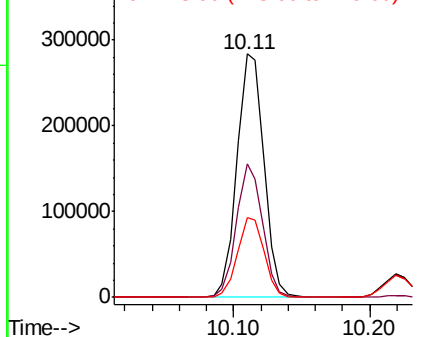
Tot Ion:	117	Resp:	391382
Ion Ratio	Lower	Upper	
117	100		
82	54.7	44.3	66.5
119	32.5	25.3	37.9

Manual Integrations
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.915 ug/l

RT: 9.34 min Scan# 1342

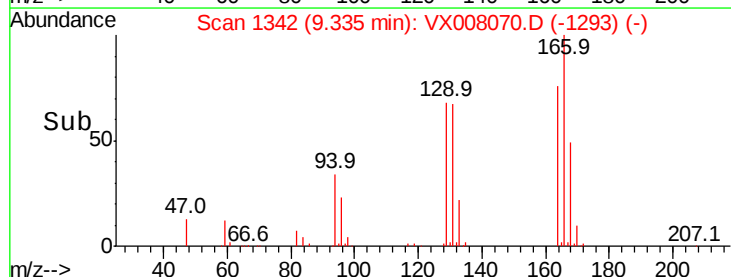
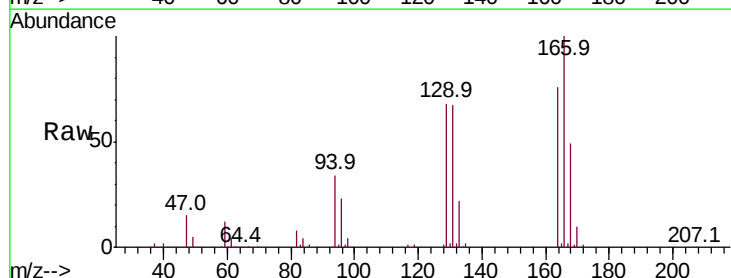
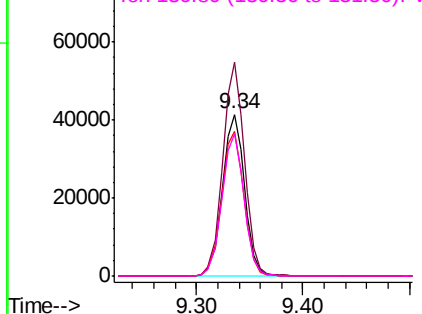
Delta R.T. 0.00 min

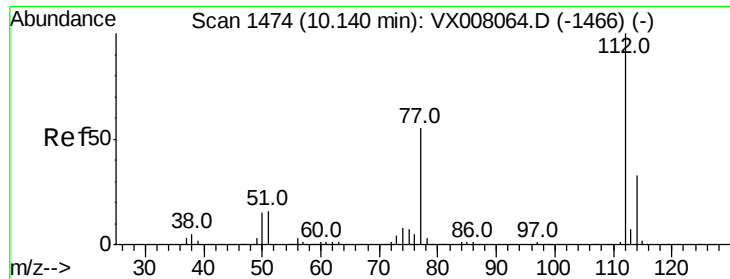
Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Tgt Ion:	164	Resp:	59983
Ion Ratio	Lower	Upper	
164	100		
166	131.9	103.4	155.0
129	89.1	72.2	108.4
131	88.1	69.4	104.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





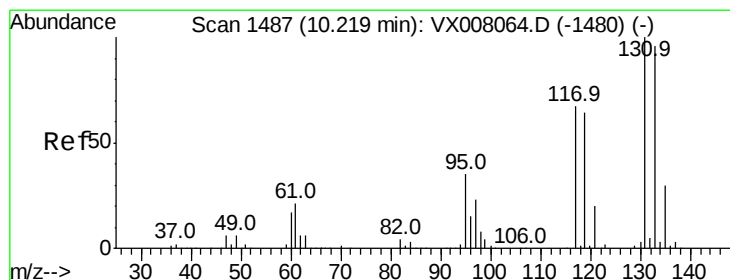
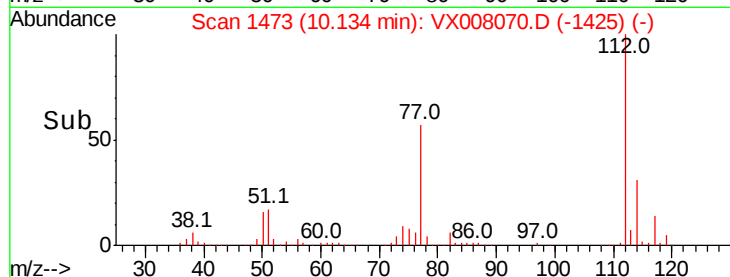
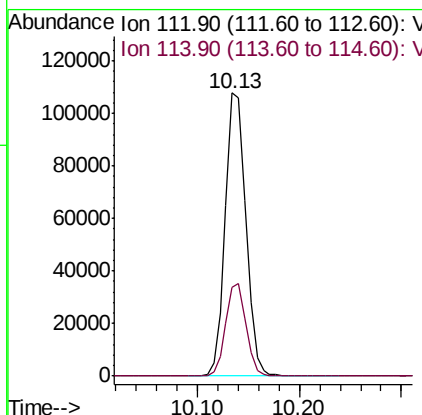
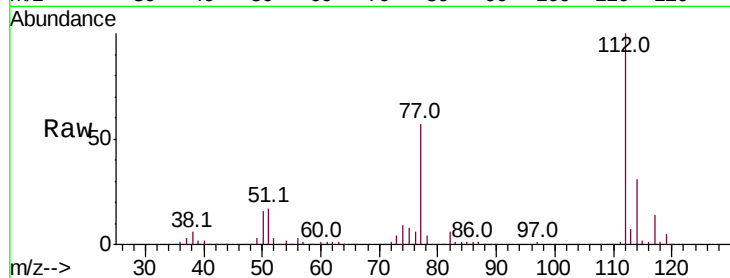
#65
Chlorobenzene
Concen: 19.543 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion:112 Resp: 151789
Ion Ratio Lower Upper
112 100
114 31.2 26.0 39.0

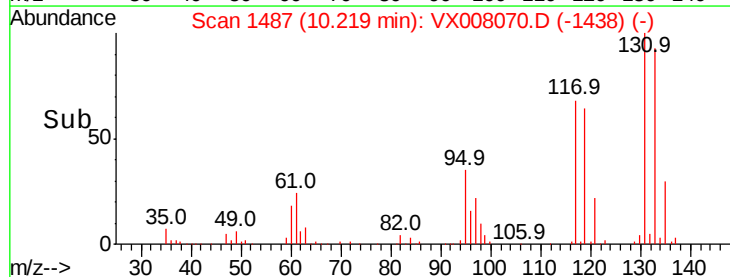
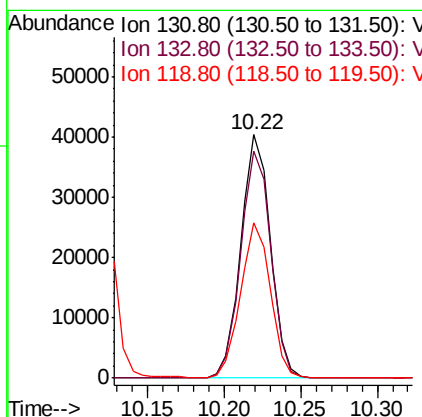
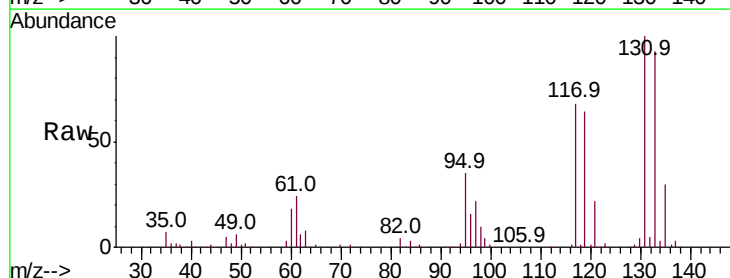
Manual Integrations
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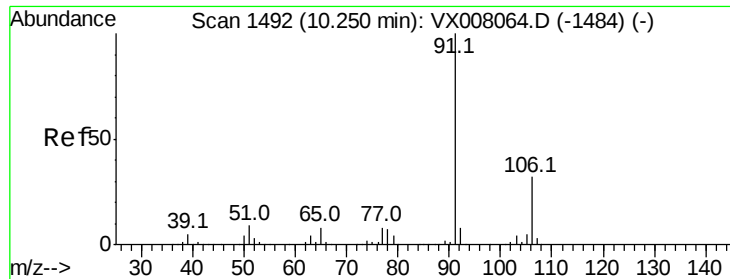
MMDadoda
3/15/2019 9:07:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.707 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion:131 Resp: 54319
Ion Ratio Lower Upper
131 100
133 94.8 47.8 143.3
119 64.7 32.5 97.5





#67

Ethyl Benzene

Concen: 19.262 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion: 91 Resp: 247623

Ion Ratio Lower Upper

91 100

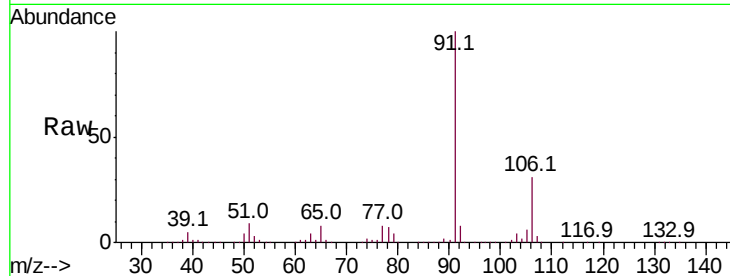
106 31.3 25.2 37.8

Manual Integrations

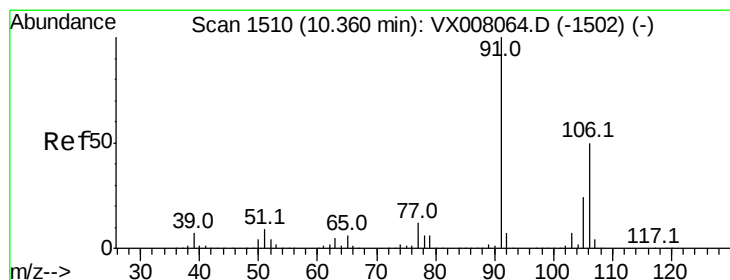
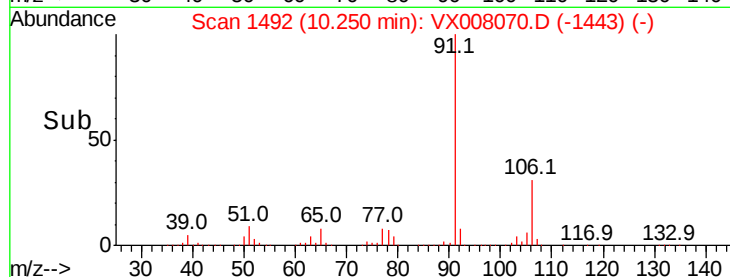
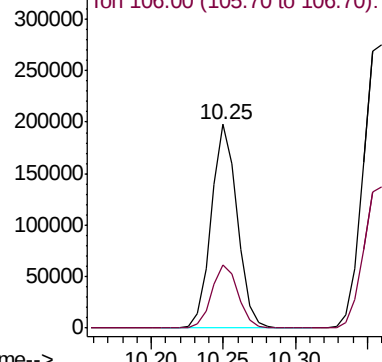
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Abundance Ion 91.00 (90.70 to 91.70): VX008064.D (-1484) (-)



#68

m/p-Xylenes

Concen: 38.897 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008070.D

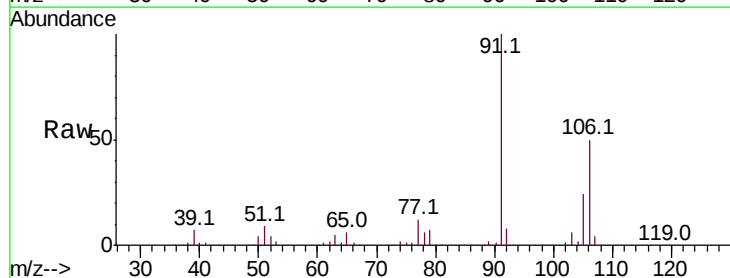
Acq: 14 Mar 2019 14:59

Tgt Ion: 106 Resp: 191340

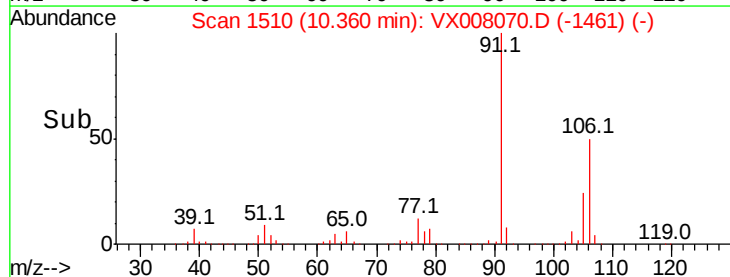
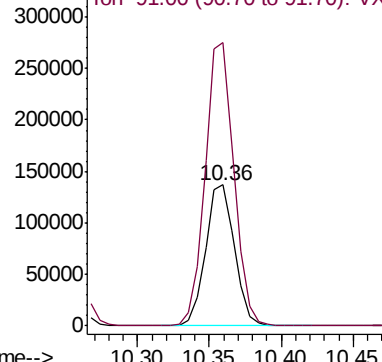
Ion Ratio Lower Upper

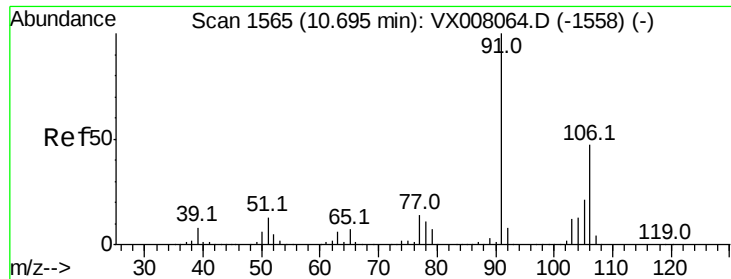
106 100

91 200.5 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): VX008064.D (-1502) (-)





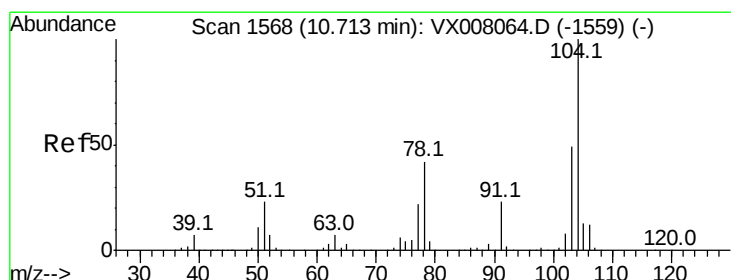
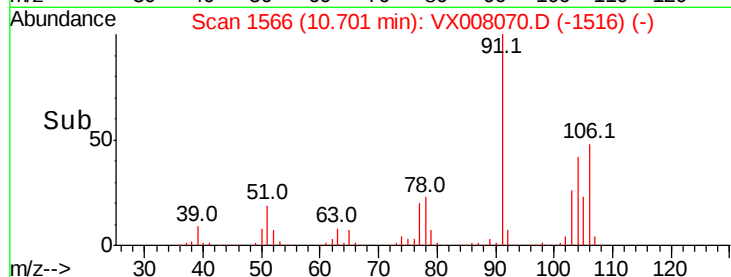
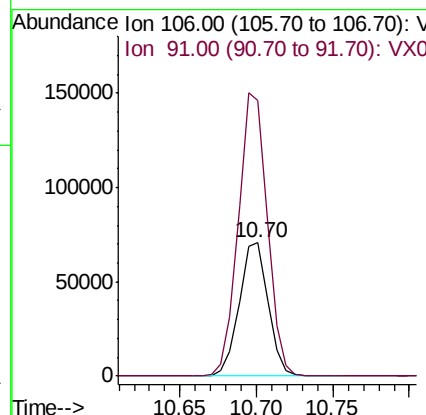
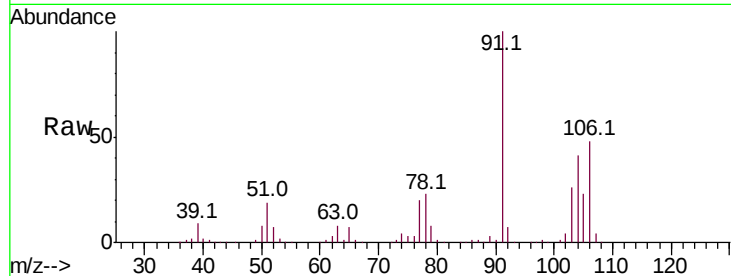
#69
o-Xylene
Concen: 19.321 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion:106 Resp: 92650
Ion Ratio Lower Upper
106 100
91 213.6 106.3 318.9

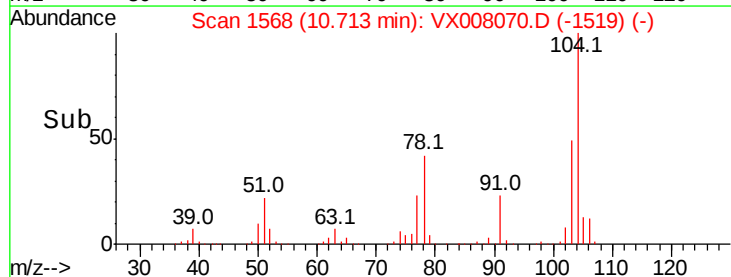
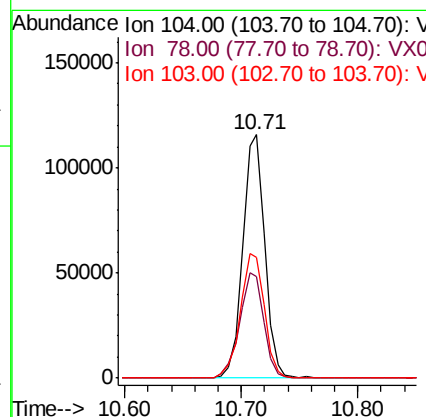
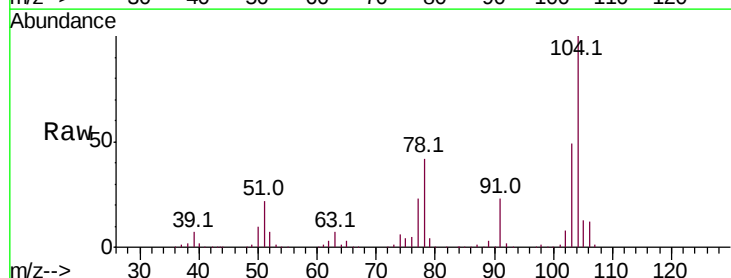
Manual Integrations
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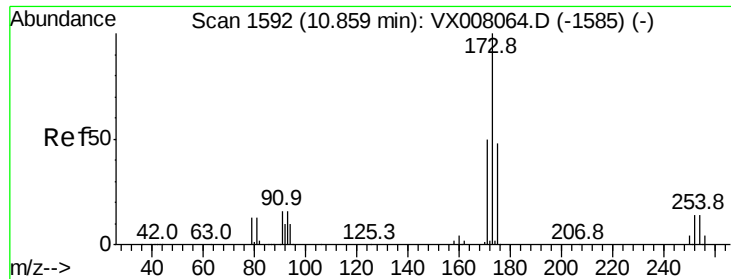
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#70
Styrene
Concen: 19.421 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion:104 Resp: 152570
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 56.0 44.1 66.1





#71

Bromoform

Concen: 19.064 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion:173 Resp: 43487

Ion Ratio Lower Upper

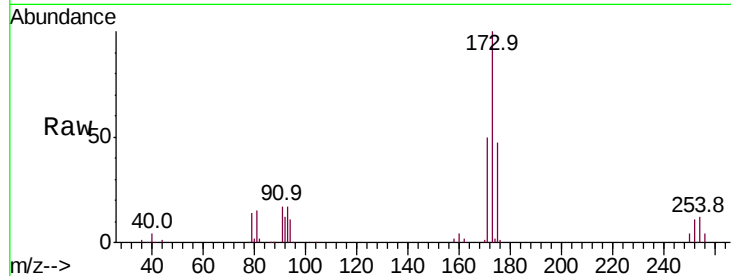
173 100

175 47.8 24.3 72.9

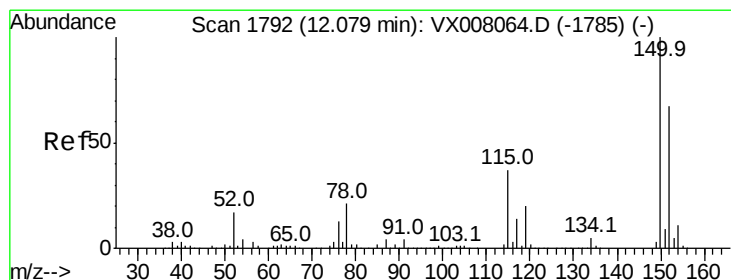
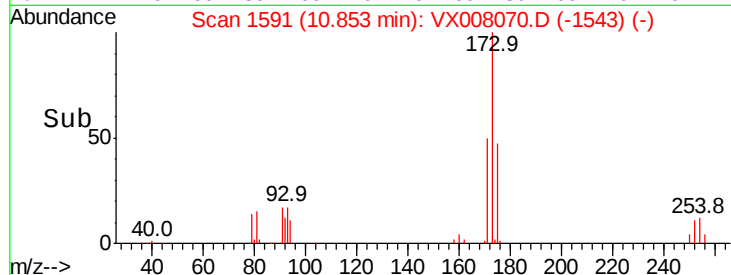
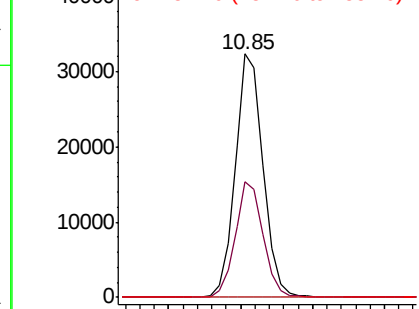
254 0.0 0.1 0.1#

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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: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

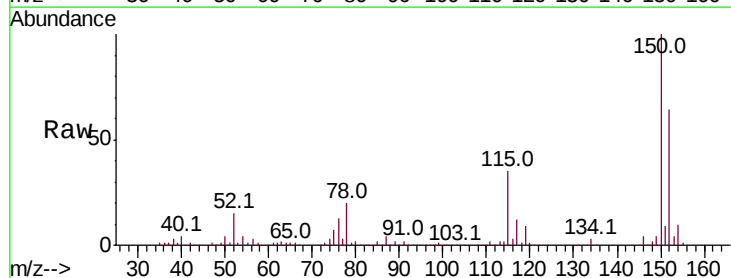
Tgt Ion:152 Resp: 193498

Ion Ratio Lower Upper

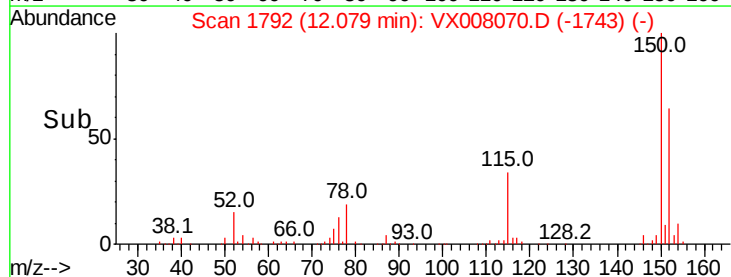
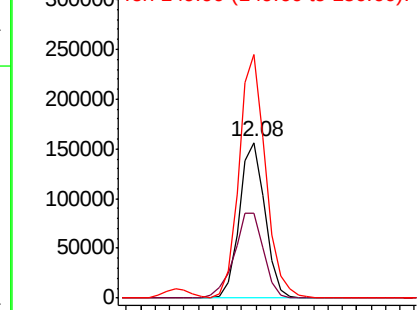
152 100

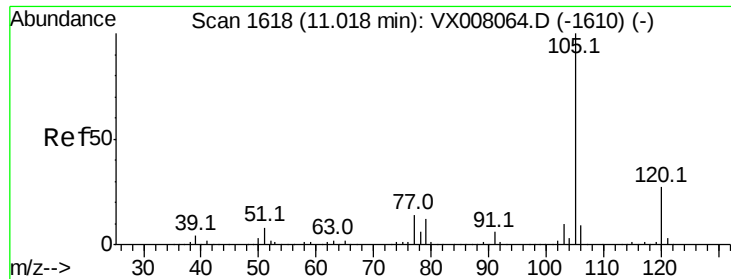
115 63.1 38.6 115.7

150 162.4 0.0 348.4



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





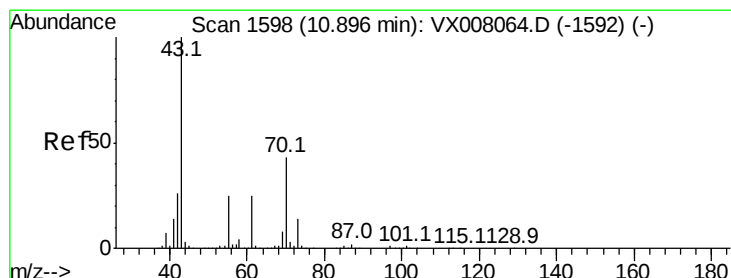
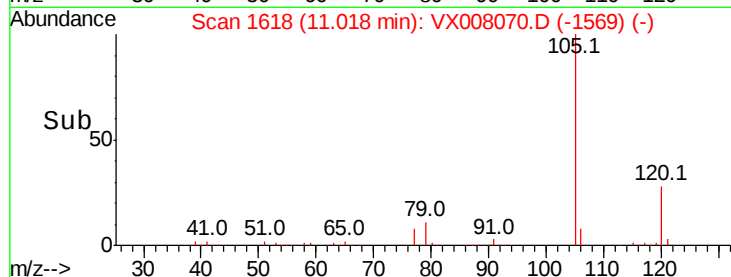
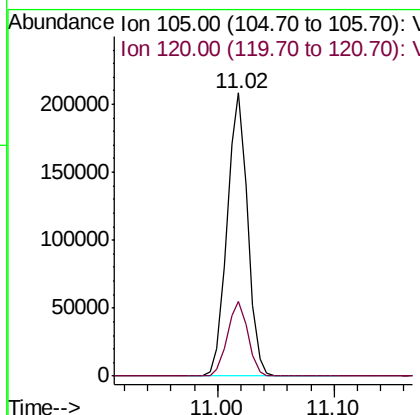
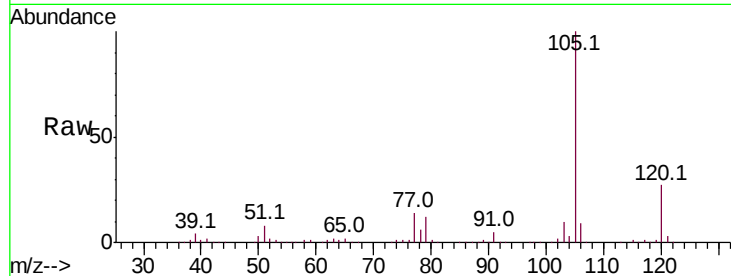
#73
Isopropylbenzene
Concen: 20.461 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion:105 Resp: 253574
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.1

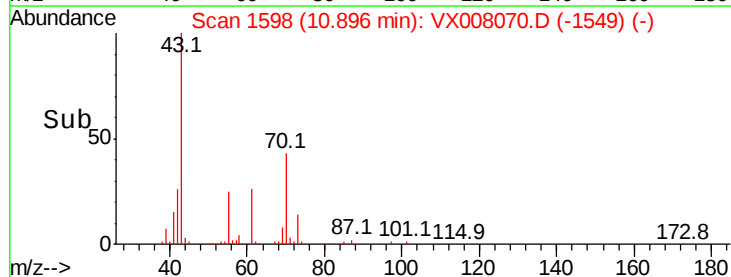
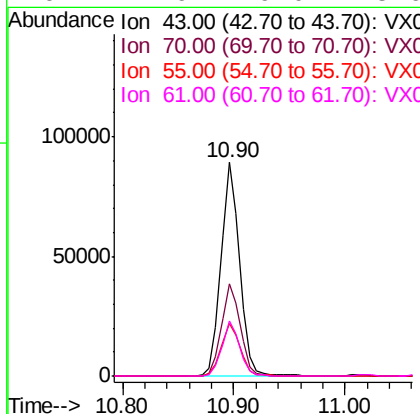
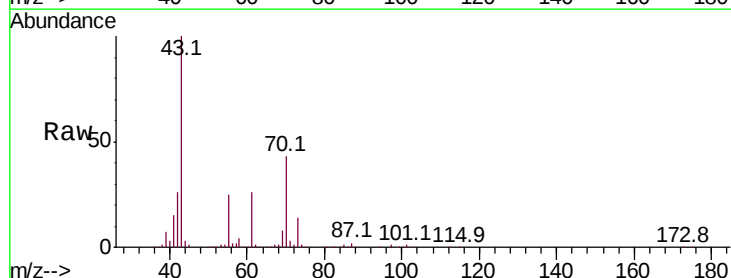
Manual Integrations
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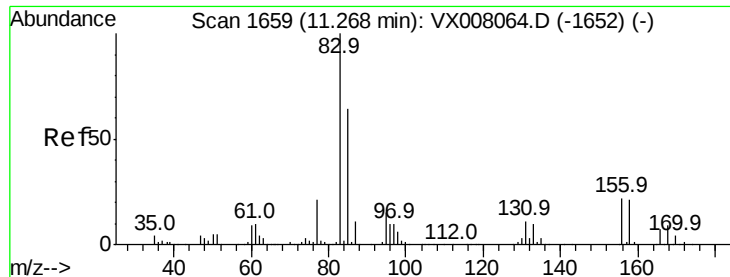
MMDadoda
3/15/2019 9:07:15 AM



#74
N-ethyl acetate
Concen: 19.735 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion: 43 Resp: 103175
Ion Ratio Lower Upper
43 100
70 44.1 33.5 50.3
55 25.4 19.2 28.8
61 24.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.220 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

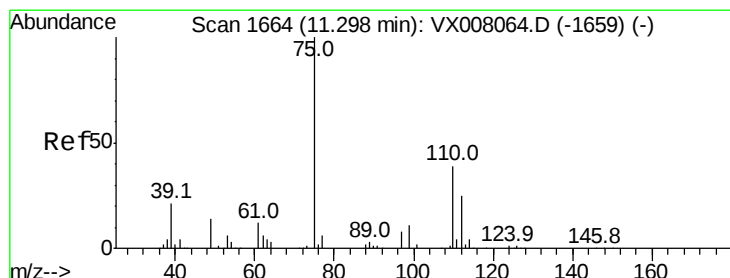
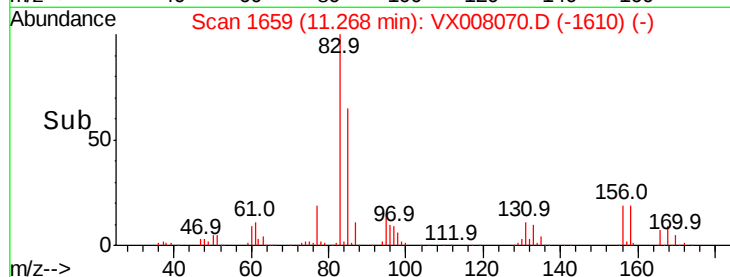
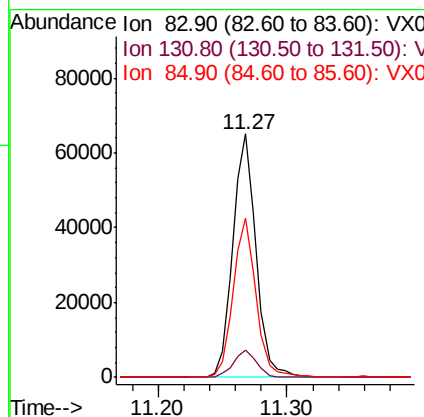
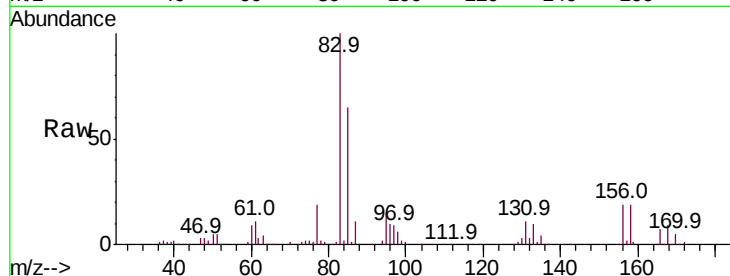
ClientSampleId :

VX0314MBS01

Tot Ion:	83	Resp:	82107
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.4	16.2
85	64.5	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:07:15 AM



#76

1,2,3-Trichloropropane

Concen: 23.262 ug/l m

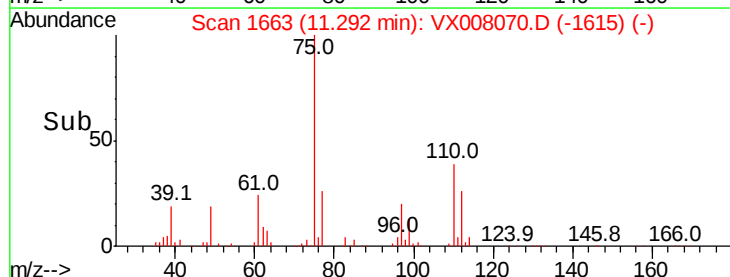
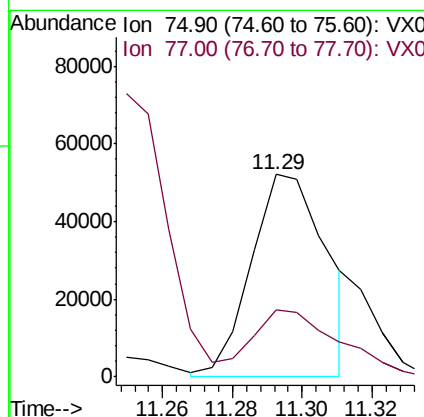
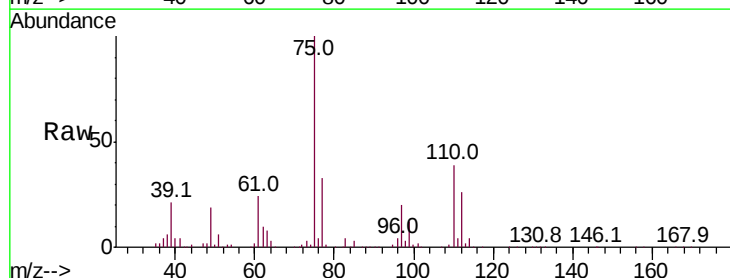
RT: 11.29 min Scan# 1663

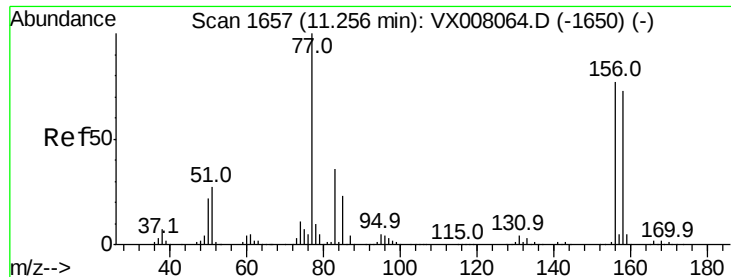
Delta R.T. -0.01 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Tgt Ion:	75	Resp:	78172
Ion	Ratio	Lower	Upper
75	100		
77	38.9	18.9	56.7





#77

Bromobenzene

Concen: 20.196 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion:156 Resp: 68317

Ion Ratio Lower Upper

156 100

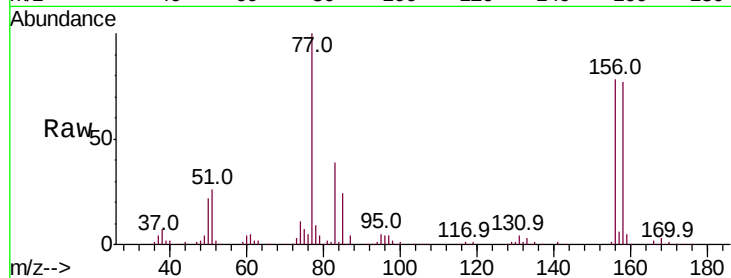
77 138.0 72.0 215.9

158 98.0 48.6 145.9

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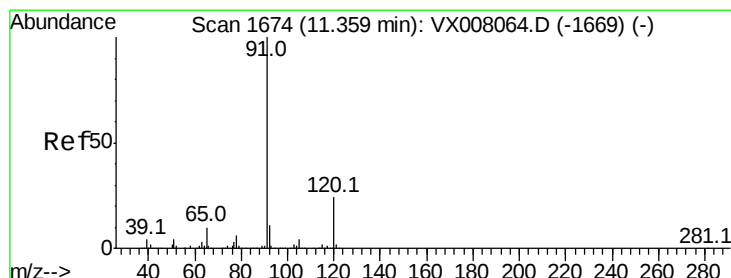
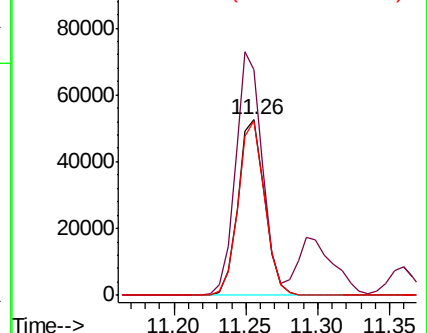
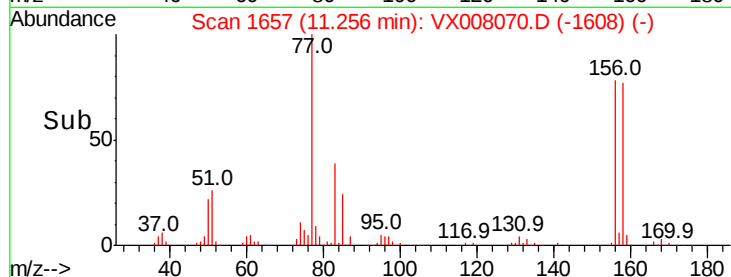
3/15/2019 9:07:15 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.257 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008070.D

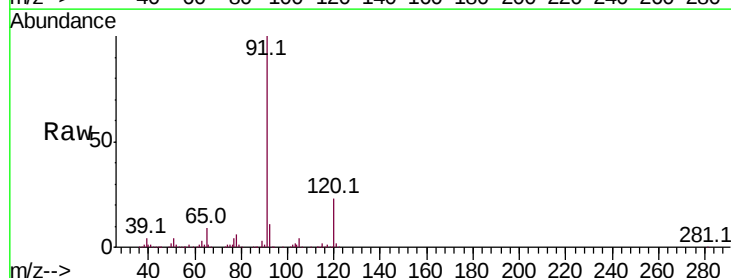
Acq: 14 Mar 2019 14:59

Tgt Ion: 91 Resp: 275432

Ion Ratio Lower Upper

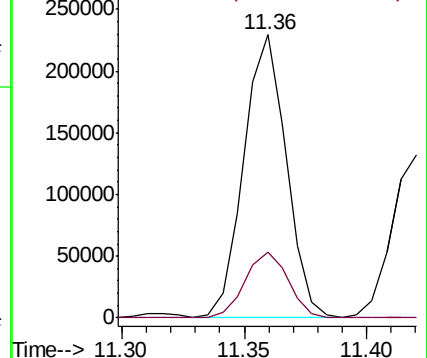
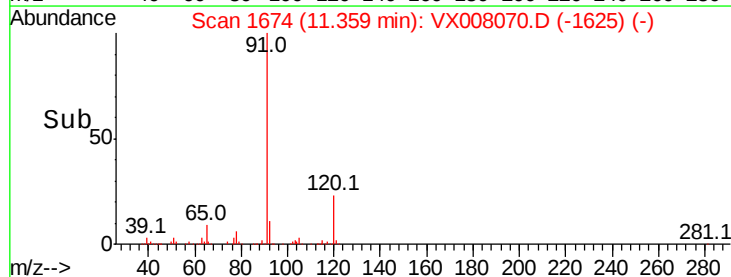
91 100

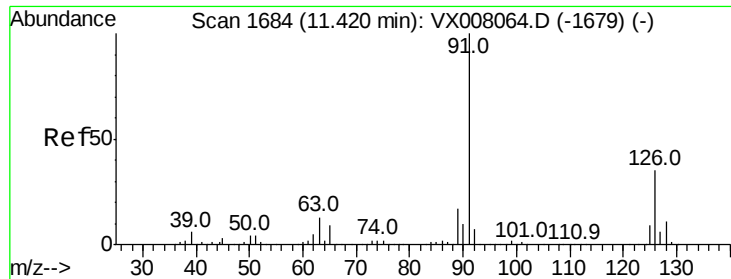
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.820 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion: 91 Resp: 164584

Ion Ratio Lower Upper

91 100

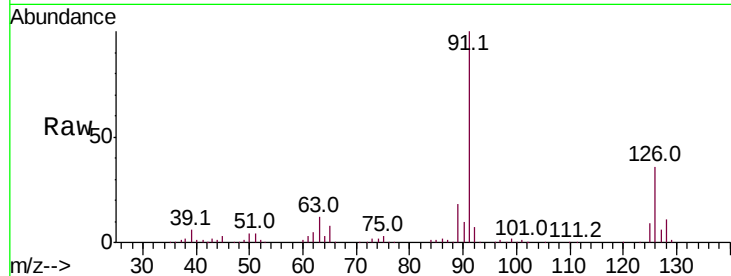
126 36.2 17.5 52.6

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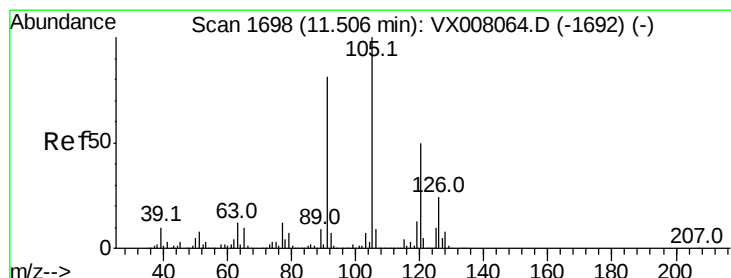
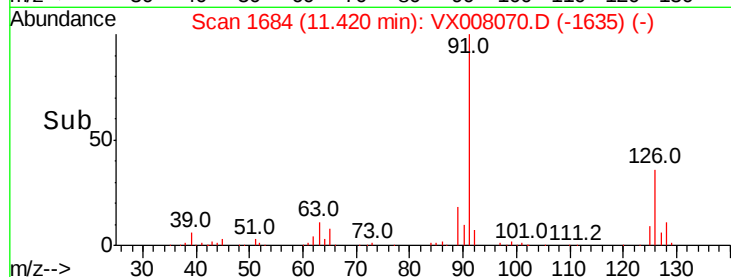
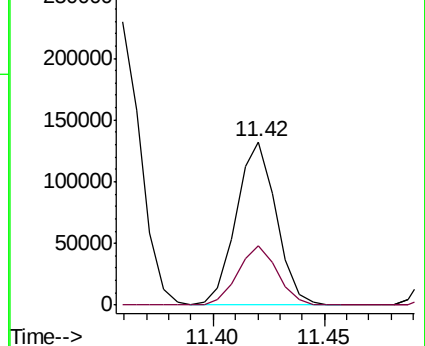
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.382 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008070.D

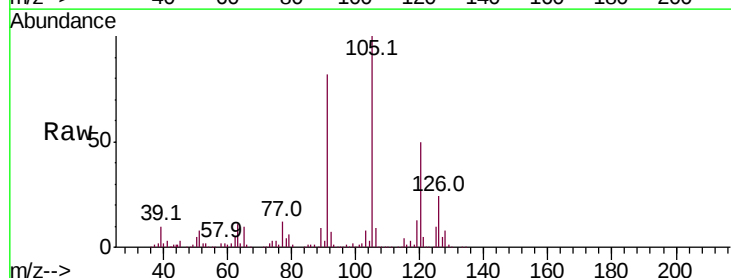
Acq: 14 Mar 2019 14:59

Tgt Ion: 105 Resp: 208151

Ion Ratio Lower Upper

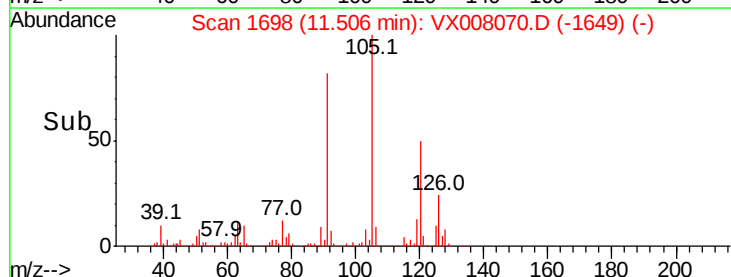
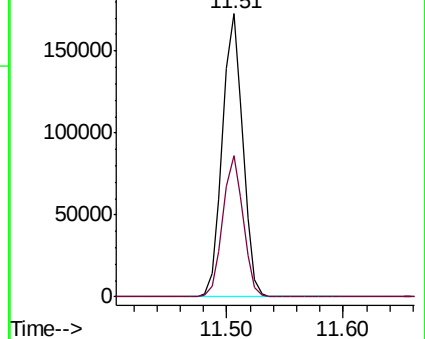
105 100

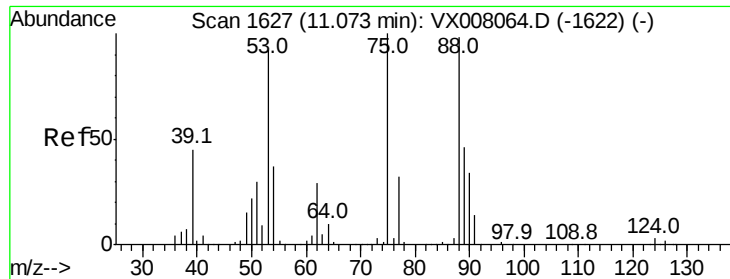
120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.480 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion: 75 Resp: 21823

Ion Ratio Lower Upper

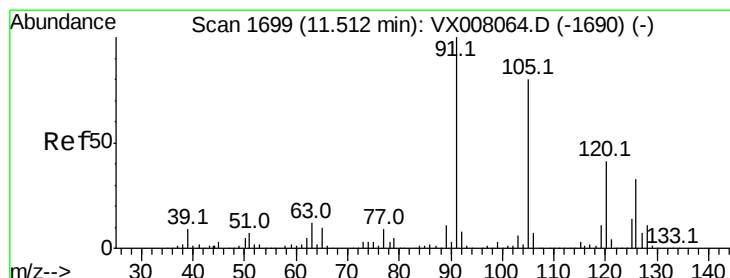
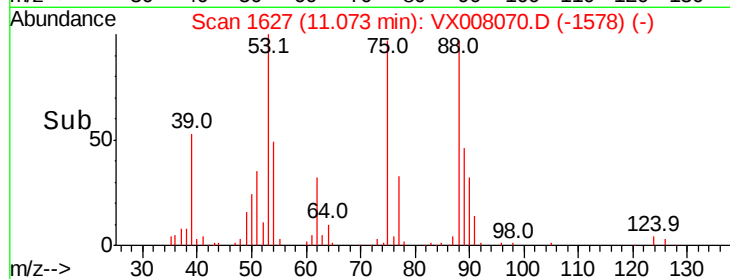
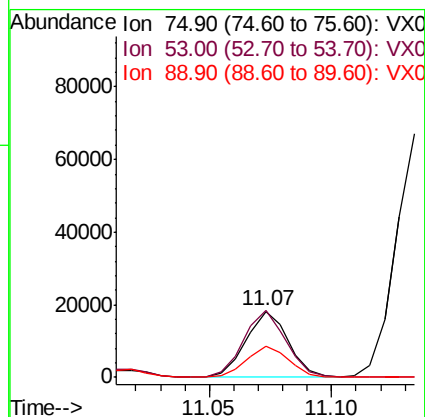
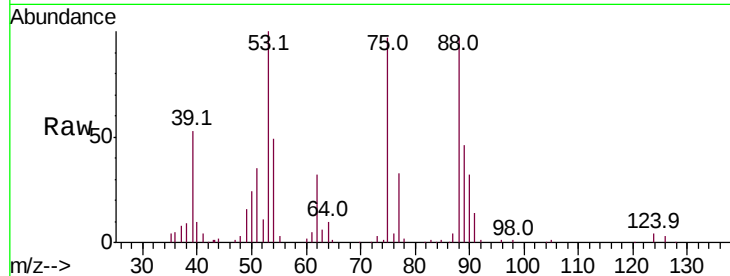
75 100

53 102.0 76.1 114.1

89 47.5 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.702 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008070.D

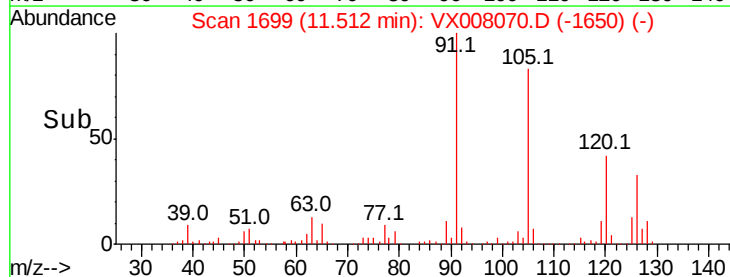
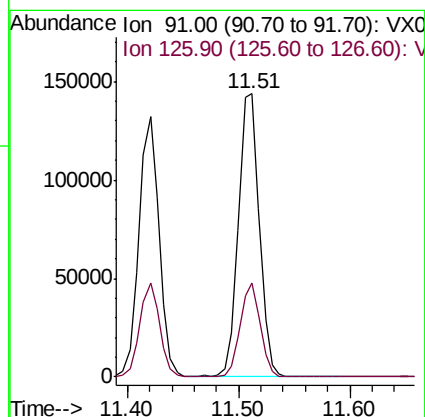
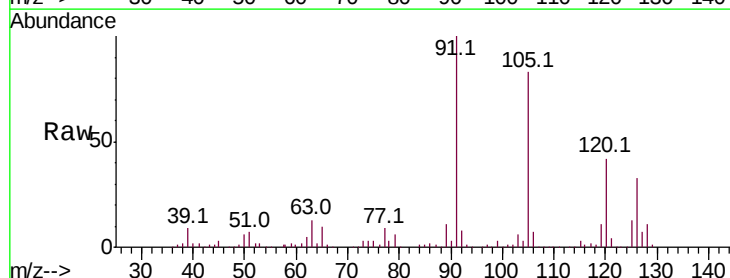
Acq: 14 Mar 2019 14:59

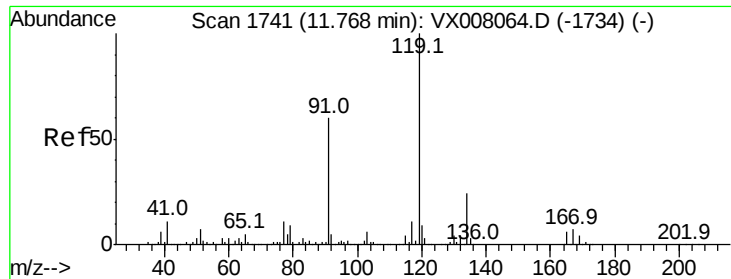
Tgt Ion: 91 Resp: 187371

Ion Ratio Lower Upper

91 100

126 31.6 15.6 46.8





#83

tert-Butylbenzene

Concen: 19.933 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

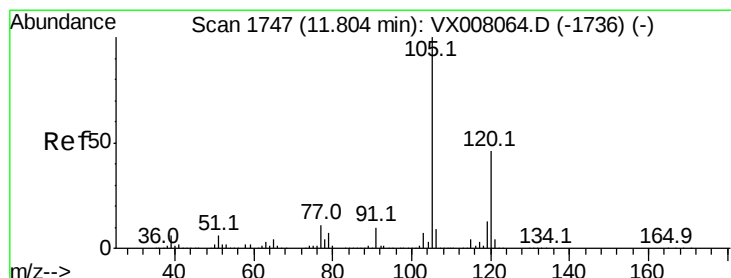
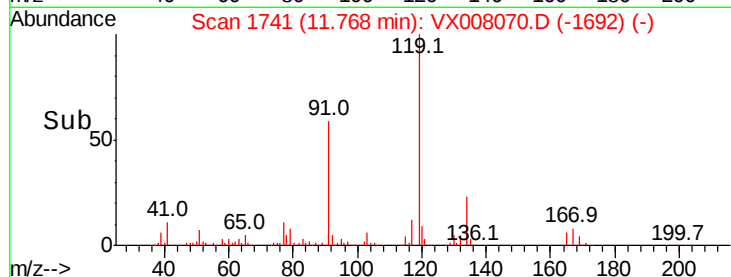
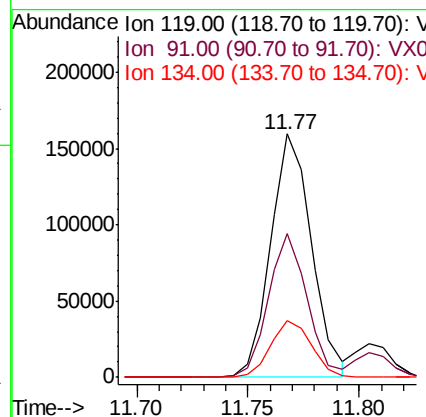
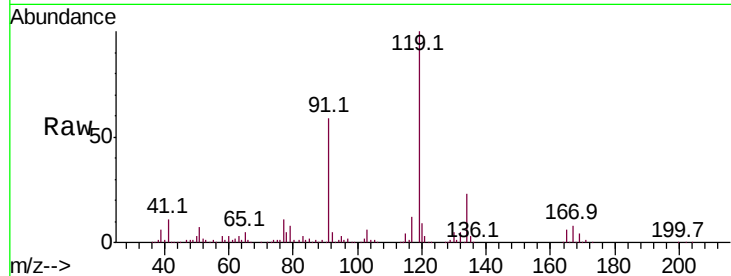
ClientSampleId :

VX0314MBS01

Tot Ion:	119	Resp:	203995
Ion Ratio	Lower	Upper	
119	100		
91	55.8	27.1	81.3
134	23.2	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.343 ug/l

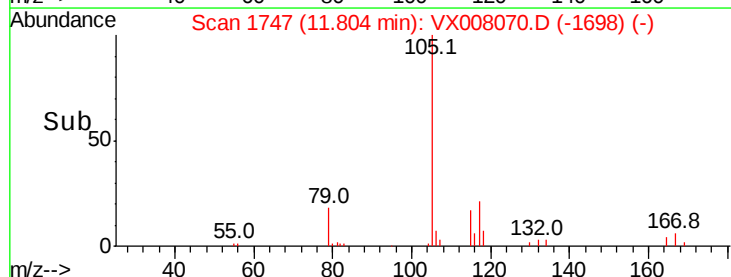
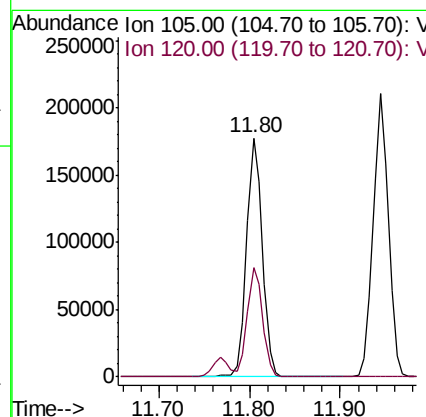
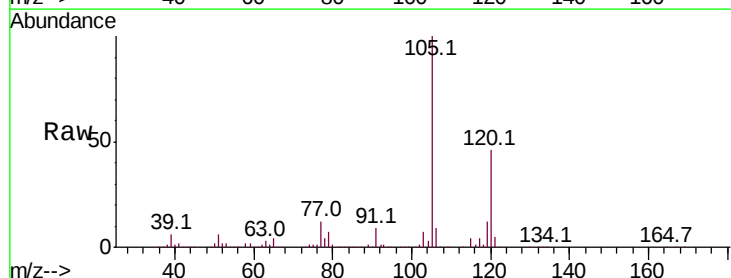
RT: 11.80 min Scan# 1747

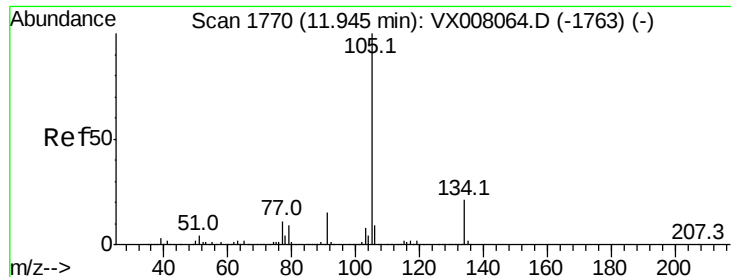
Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Tgt Ion:	105	Resp:	214299
Ion Ratio	Lower	Upper	
105	100		
120	44.5	22.6	67.7





#85

sec-Butylbenzene

Concen: 20.223 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion:105 Resp: 246584

Ion Ratio Lower Upper

105 100

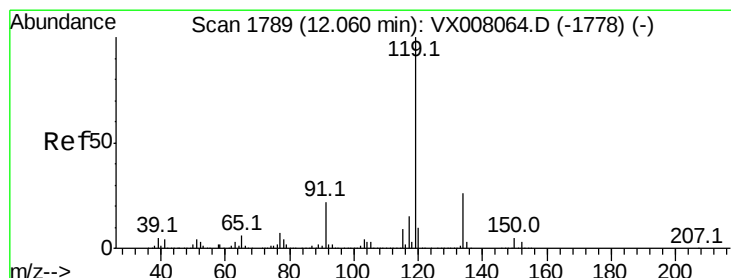
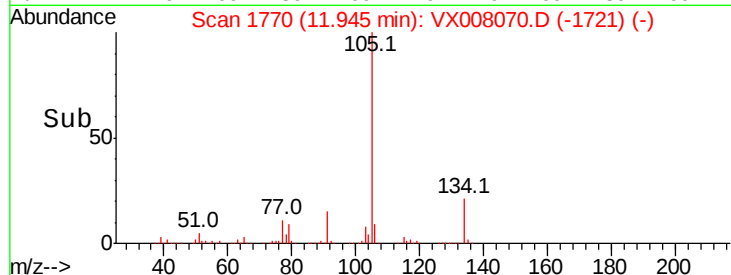
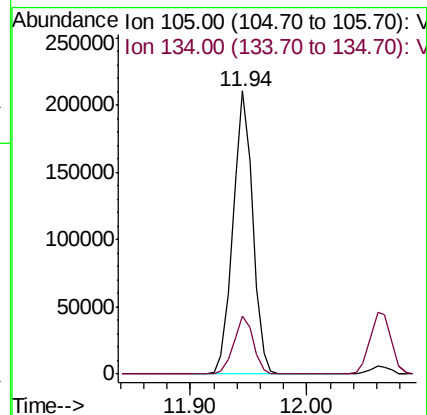
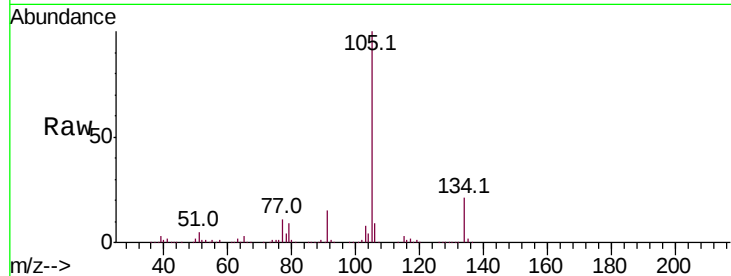
134 20.5 10.4 31.2

Manual Integrations

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3/15/2019 9:07:15 AM



#86

p-Isopropyltoluene

Concen: 20.048 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

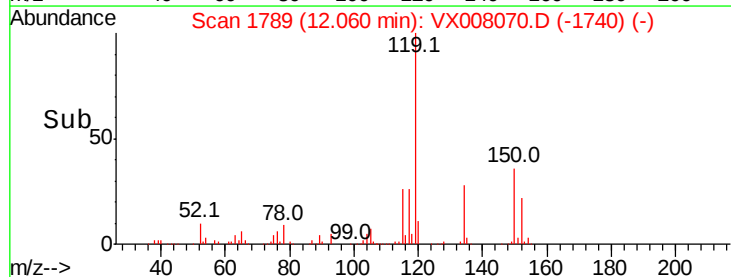
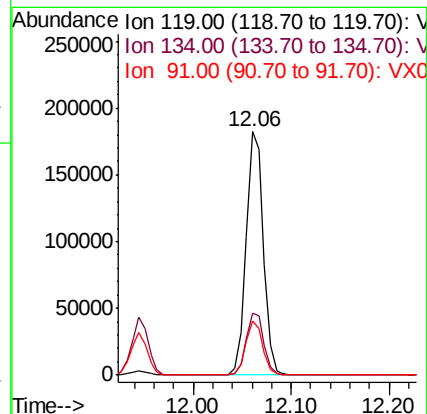
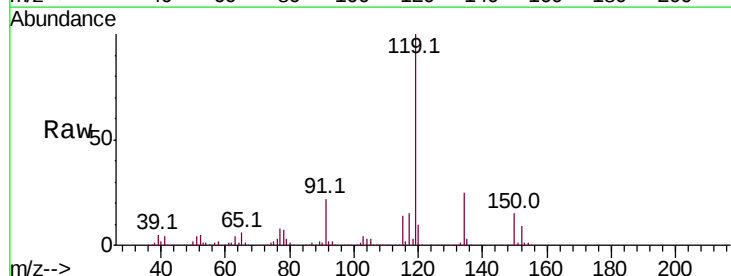
Tgt Ion:119 Resp: 221078

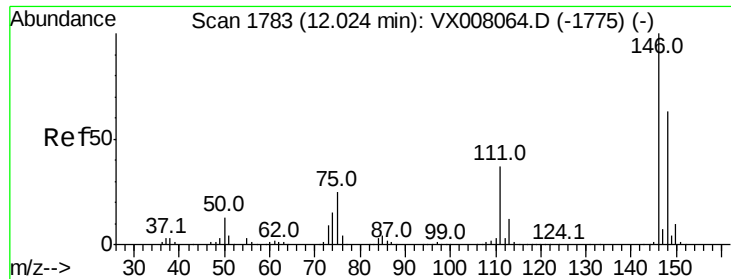
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

91 22.1 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 19.620 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

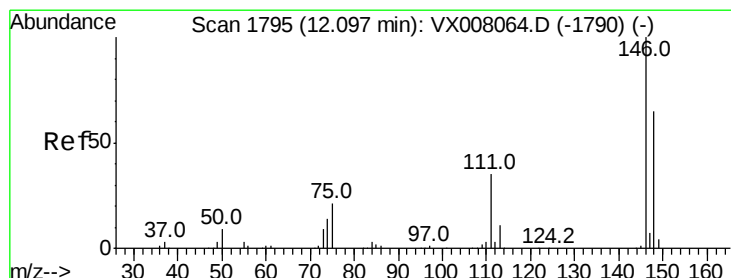
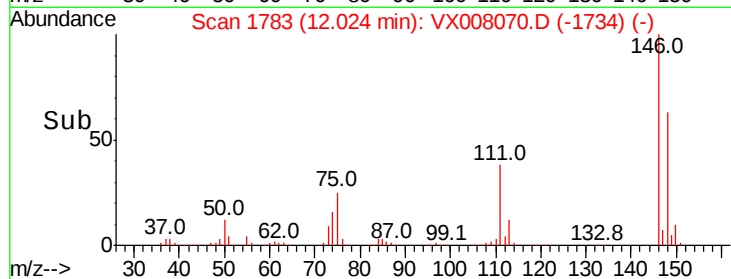
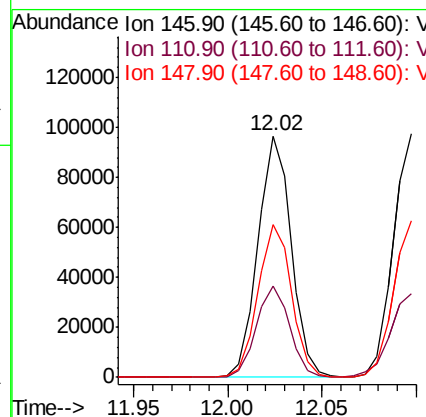
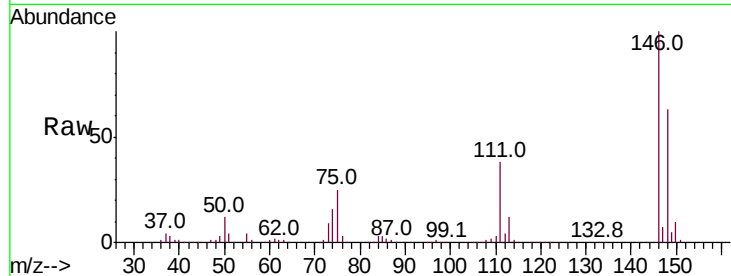
ClientSampleId :

VX0314MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.7
148	64.0	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 19.354 ug/l

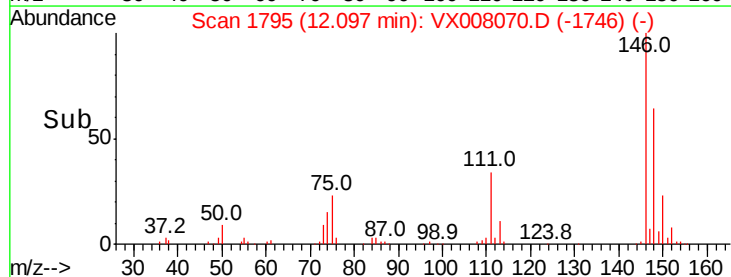
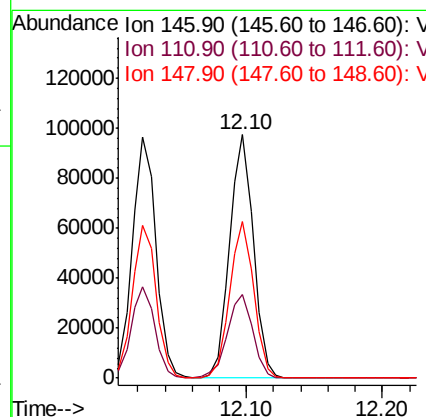
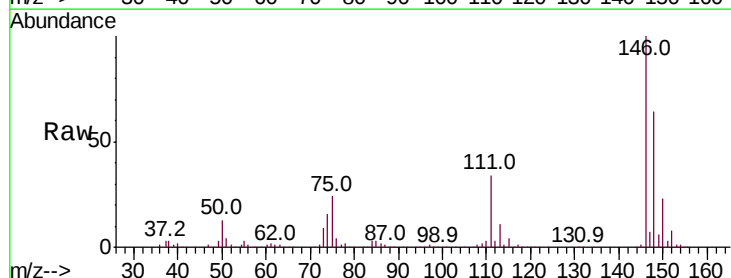
RT: 12.10 min Scan# 1795

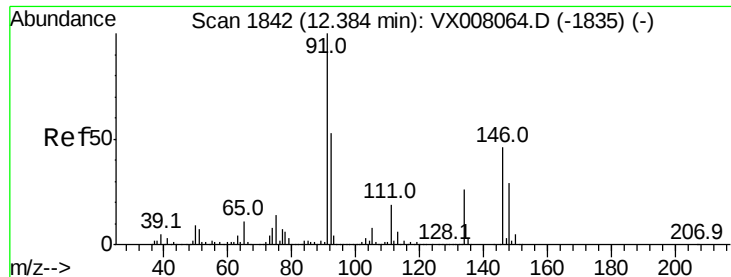
Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.0
148	64.9	32.2	96.6





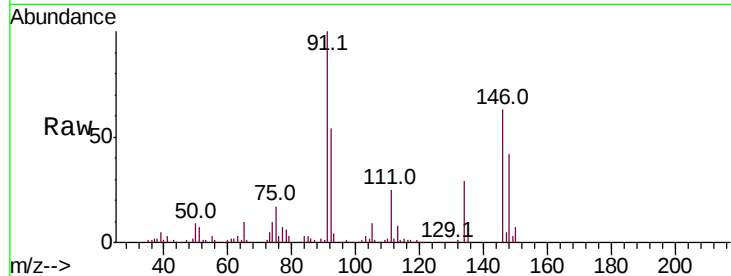
#89
n-Butylbenzene
Concen: 19.626 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	181094		
92	53.0	27.0	80.8	
134	27.4	13.7	41.0	

Manual Integrations
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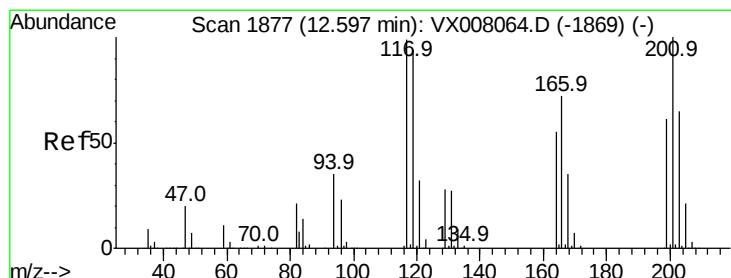
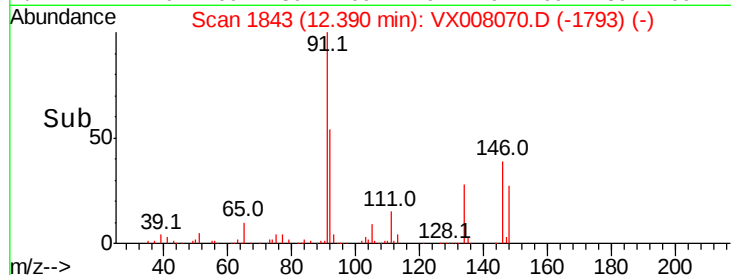
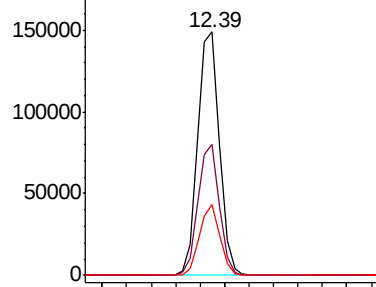


Abundance

Ion 91.00 (90.70 to 91.70): VX008064.D (-1835) (-)

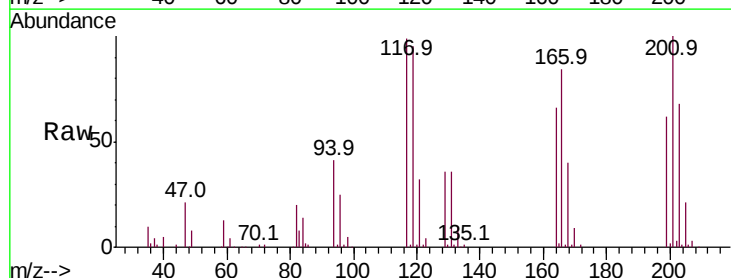
Ion 92.00 (91.70 to 92.70): VX008070.D (-1793) (-)

Ion 134.00 (133.70 to 134.70): VX008070.D (-1793) (-)



#90
Hexachloroethane
Concen: 19.339 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

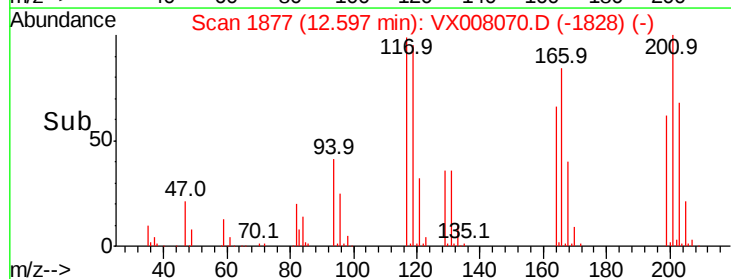
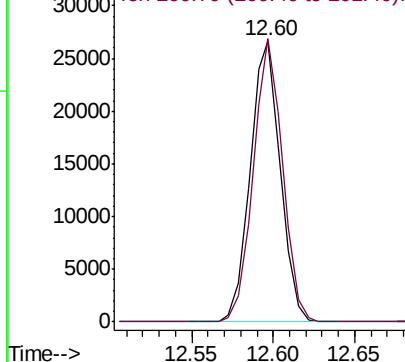
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	34131		
201	97.7	48.9	146.7	

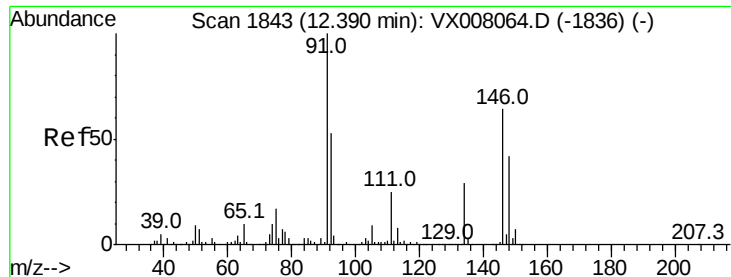


Abundance

Ion 116.80 (116.50 to 117.50): VX008064.D (-1869) (-)

Ion 200.70 (200.40 to 201.40): VX008070.D (-1828) (-)





#91

1,2-Dichlorobenzene

Concen: 19.542 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

VX0314MBS01

Tot Ion:146 Resp: 116725

Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.8

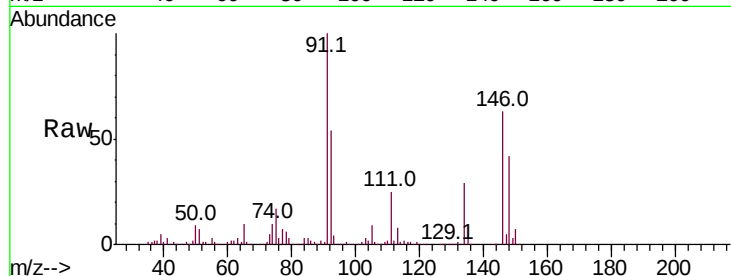
148 65.1 31.9 95.5

Manual Integrations

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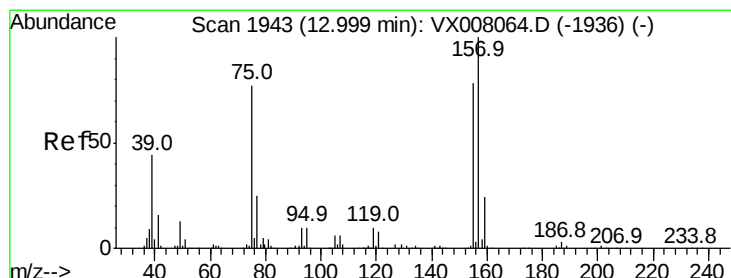
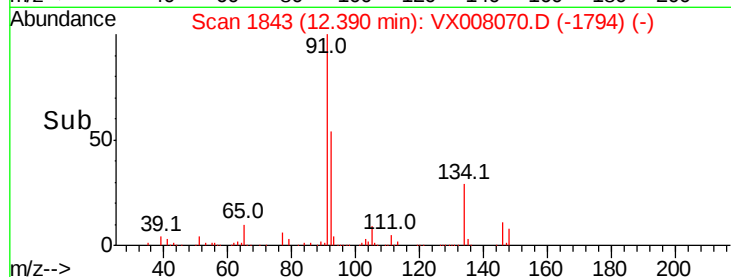
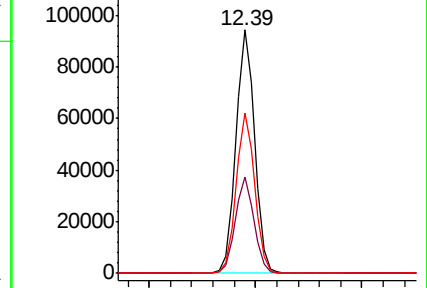
3/15/2019 9:07:15 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.126 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008070.D

Acq: 14 Mar 2019 14:59

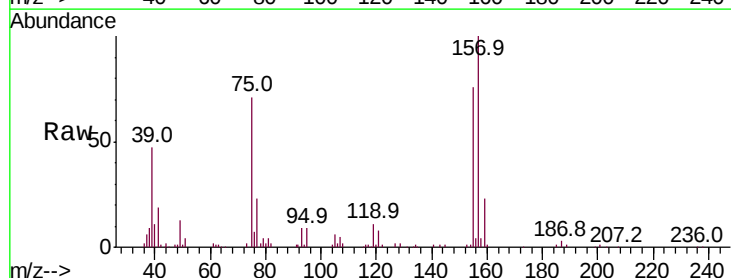
Tgt Ion: 75 Resp: 15702

Ion Ratio Lower Upper

75 100

155 108.4 49.7 149.1

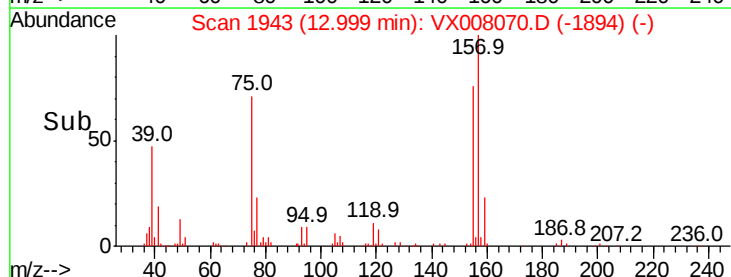
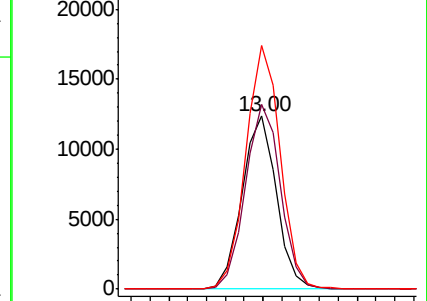
157 140.7 63.8 191.4

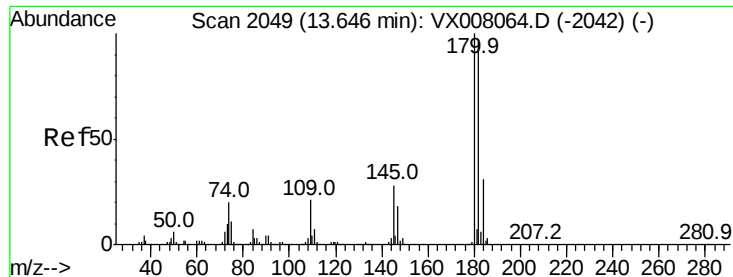


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





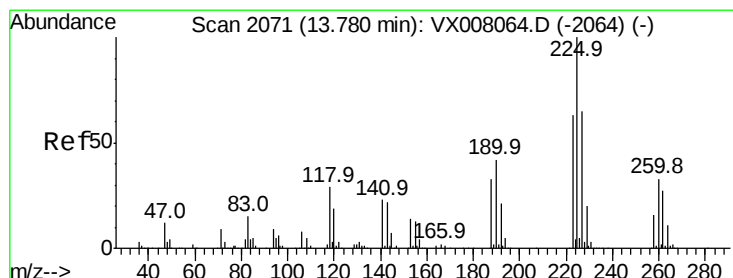
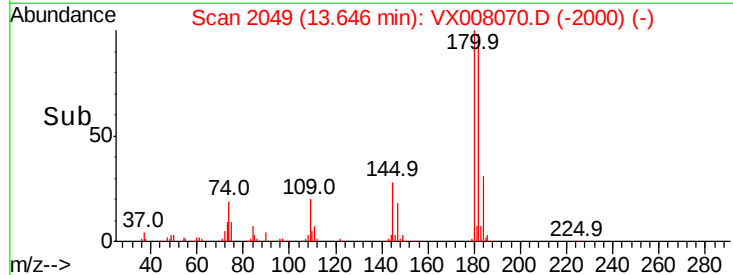
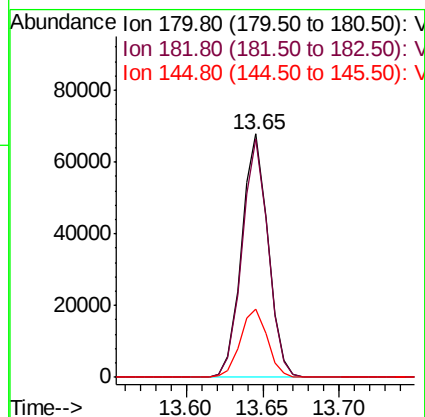
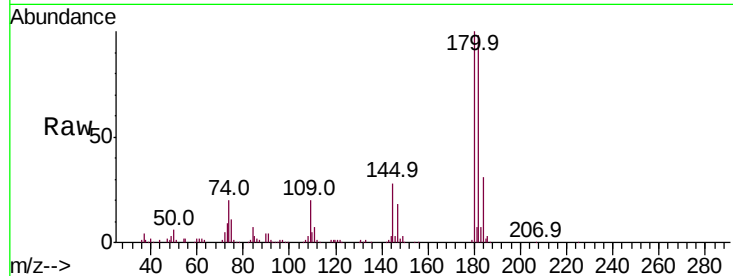
#93
 1,2,4-Trichlorobenzene
 Concen: 19.104 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008070.D
 Acq: 14 Mar 2019 14:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.9	47.9	143.7	
145	29.0	14.1	42.4	

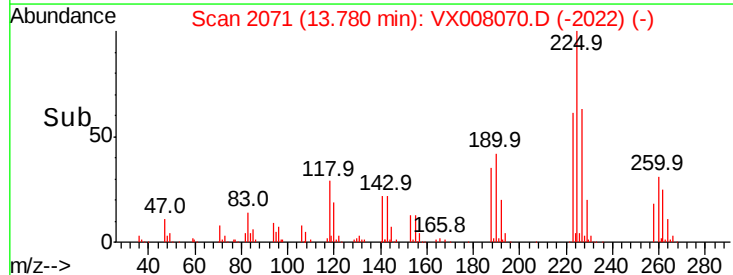
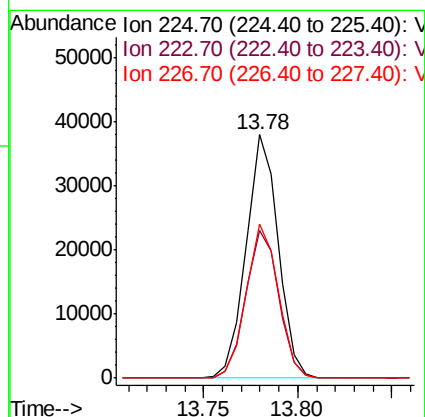
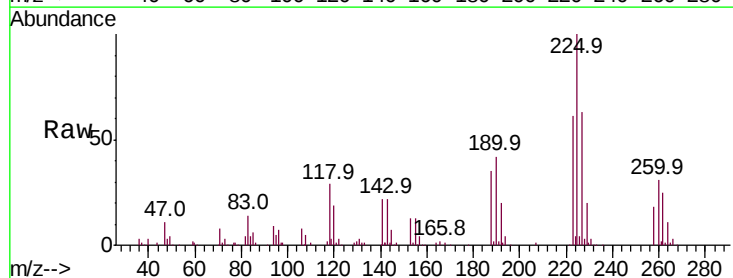
Manual Integrations
 APPROVED

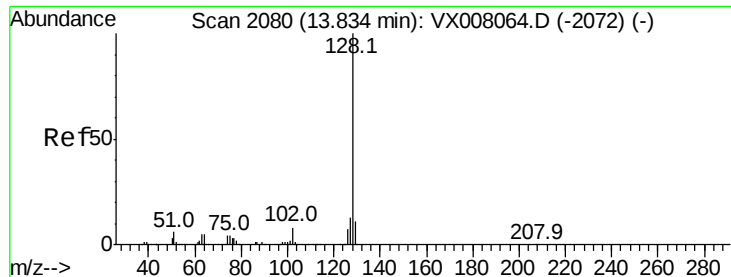
MMDadoda
 3/15/2019 9:07:15 AM



#94
 Hexachlorobutadiene
 Concen: 19.482 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008070.D
 Acq: 14 Mar 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.1	93.2	
227	63.6	32.0	96.0	





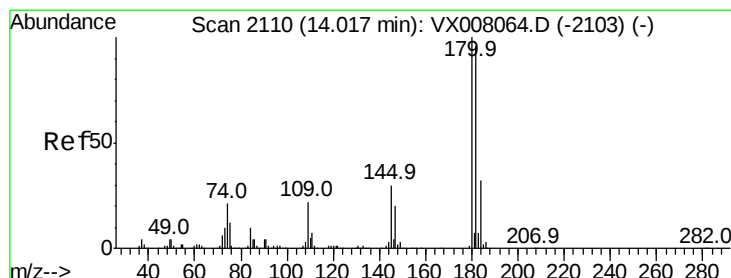
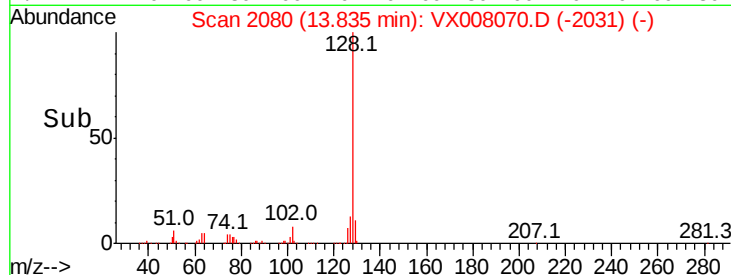
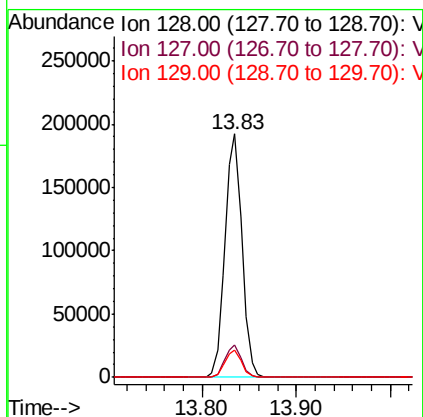
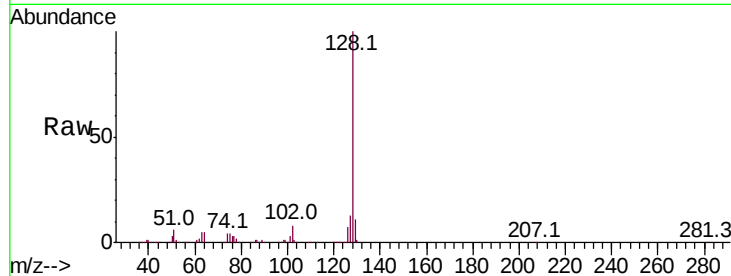
#95
Naphthalene
Concen: 20.236 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
VX0314MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	240755		
127	12.9		10.3	15.5
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:07:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.892 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008070.D
Acq: 14 Mar 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	82857		
182	95.3		47.5	142.5
145	29.3		14.8	44.3

