

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004579.D
 Acq On : 15 Sep 2018 12:54
 Operator : JC/MD
 Sample : VX0915WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 6:27:24 PM

Quant Time: Sep 17 07:26:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	291270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353100	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	237752	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	172883	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
35) Dibromofluoromethane	5.50	113	150221	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
50) Toluene-d8	8.71	98	512384	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
62) 4-Bromofluorobenzene	11.14	95	186751	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	52991	19.41	ug/l	96
3) Chloromethane	1.32	50	65601	17.46	ug/l	98
4) Vinyl Chloride	1.40	62	68180	17.68	ug/l	98
5) Bromomethane	1.64	94	33882	20.28	ug/l	95
6) Chloroethane	1.72	64	45288	18.16	ug/l	99
7) Trichlorofluoromethane	1.93	101	95553	18.69	ug/l	99
8) Diethyl Ether	2.18	74	40348	17.61	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	60996	18.81	ug/l	98
10) Methyl Iodide	2.51	142	45603	15.02	ug/l	98
11) Tert butyl alcohol	3.06	59	75530	84.28	ug/l	100
12) 1,1-Dichloroethene	2.37	96	55198	18.14	ug/l	91
13) Acrolein	2.29	56	53653	151.67	ug/l	97
14) Allyl chloride	2.73	41	110524	17.66	ug/l	97
15) Acrylonitrile	3.15	53	189486	87.80	ug/l	99
16) Acetone	2.44	43	158450	86.44	ug/l	98
17) Carbon Disulfide	2.57	76	151864	17.26	ug/l	97
18) Methyl Acetate	2.78	43	87933	17.10	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	194312	18.20	ug/l	95
20) Methylene Chloride	2.85	84	66014	17.56	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	60379	17.95	ug/l	98
22) Diisopropyl ether	3.87	45	203924	18.10	ug/l	97
23) Vinyl Acetate	3.82	43	836638	91.74	ug/l	98
24) 1,1-Dichloroethane	3.69	63	114203	17.95	ug/l	98
25) 2-Butanone	4.70	43	236874	81.20	ug/l	97
26) 2,2-Dichloropropane	4.57	77	87839	20.10	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	71175	18.96	ug/l	99
28) Bromochloromethane	5.02	49	54389	18.69	ug/l	99
29) Tetrahydrofuran	5.15	42	151087	85.88	ug/l	97
30) Chloroform	5.21	83	110164	17.74	ug/l	95
31) Cyclohexane	5.57	56	107404	19.77	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	92767	18.54	ug/l	99
36) 1,1-Dichloropropene	5.80	75	85699	19.99	ug/l	97
37) Ethyl Acetate	4.85	43	88942	18.24	ug/l	99
38) Carbon Tetrachloride	5.78	117	81465	19.46	ug/l	98

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 Misc : 5.0mL/MSVOA X/WATER
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Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	94799	21.19	ug/l	95
40) Benzene	6.13	78	263510	20.72	ug/l	96
41) Methacrylonitrile	5.05	41	49981	18.61	ug/l	99
42) 1,2-Dichloroethane	6.20	62	87438	20.73	ug/l	99
43) Isopropyl Acetate	6.46	43	134492	20.77	ug/l	98
44) Trichloroethene	7.21	130	65191	19.73	ug/l	99
45) 1,2-Dichloropropane	7.51	63	60401	19.74	ug/l	99
46) Dibromomethane	7.66	93	37487	19.39	ug/l	99
47) Bromodichloromethane	7.90	83	73611	20.13	ug/l	89
48) Methyl methacrylate	7.77	41	60468	18.87	ug/l	98
49) 1,4-Dioxane	7.76	88	29573	389.88	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	392950	85.99	ug/l	98
52) Toluene	8.79	92	145128	19.37	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	78807	18.45	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	88888	20.41	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	58707	18.19	ug/l	98
56) Ethyl methacrylate	9.18	69	83381	18.27	ug/l	98
57) 1,3-Dichloropropane	9.37	76	96529	18.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	214078	96.64	ug/l	95
59) 2-Hexanone	9.49	43	300899	85.84	ug/l	98
60) Dibromochloromethane	9.59	129	56709	18.67	ug/l	100
61) 1,2-Dibromoethane	9.67	107	59348	19.25	ug/l	100
64) Tetrachloroethene	9.34	164	73109	17.62	ug/l	98
65) Chlorobenzene	10.14	112	163404	19.79	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	56238	19.75	ug/l	99
67) Ethyl Benzene	10.25	91	273911	20.40	ug/l	97
68) m/p-Xylenes	10.36	106	214939	41.57	ug/l	99
69) o-Xylene	10.70	106	101252	20.37	ug/l	96
70) Styrene	10.71	104	169410	20.57	ug/l	98
71) Bromoform	10.86	173	43297	18.52	ug/l #	99
73) Isopropylbenzene	11.02	105	279721	17.86	ug/l	100
74) N-amyl acetate	10.90	43	105985	16.08	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	82339	16.30	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	77986m	16.30	ug/l	
77) Bromobenzene	11.26	156	73830	17.06	ug/l	98
78) n-propylbenzene	11.36	91	321779	17.87	ug/l	100
79) 2-Chlorotoluene	11.42	91	189648	17.37	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	237477	18.04	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	24395	16.26	ug/l	97
82) 4-Chlorotoluene	11.51	91	223993	17.58	ug/l	96
83) tert-Butylbenzene	11.77	119	275522	21.99	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	293070	21.81	ug/l	97
85) sec-Butylbenzene	11.94	105	326971	20.47	ug/l	100
86) p-Isopropyltoluene	12.07	119	309139	21.92	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	161996	20.06	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	163599	19.61	ug/l	99
89) n-Butylbenzene	12.39	91	228862	17.81	ug/l	98
90) Hexachloroethane	12.60	117	41521	18.39	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	144752	17.71	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19392	17.98	ug/l	92

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

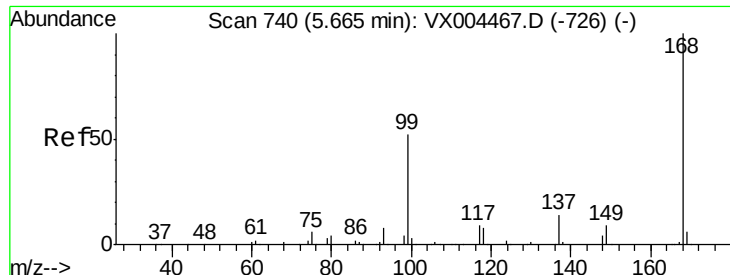
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	125226	21.64	ug/l	99
94) Hexachlorobutadiene	13.79	225	63830	21.12	ug/l	98
95) Naphthalene	13.83	128	344799	21.24	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	117415	19.75	ug/l	97

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



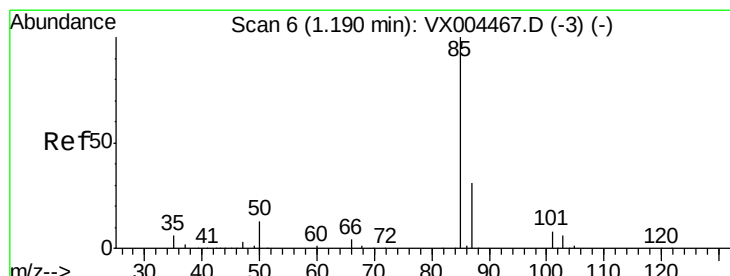
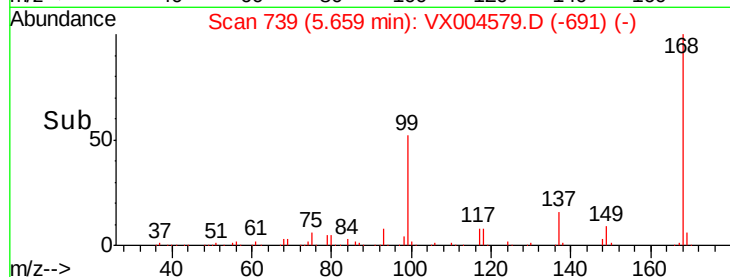
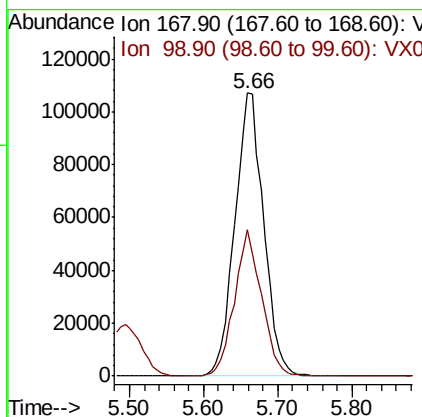
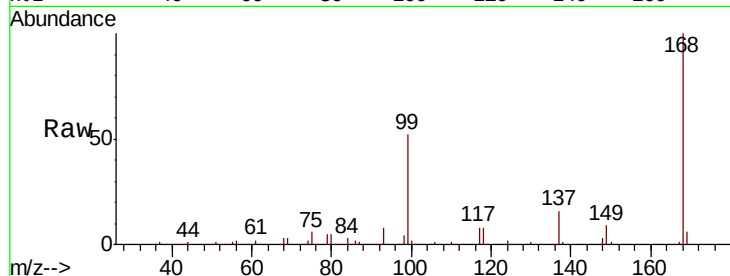
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion:168 Resp: 291270
Ion Ratio Lower Upper
168 100
99 51.7 39.9 59.9

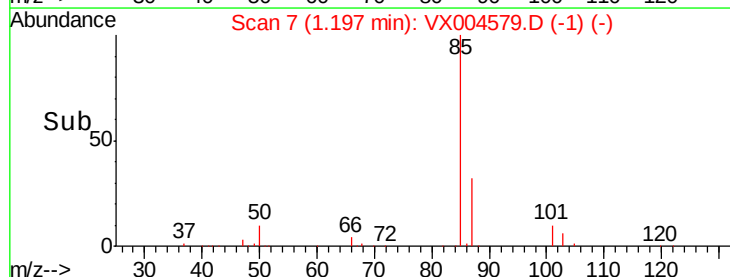
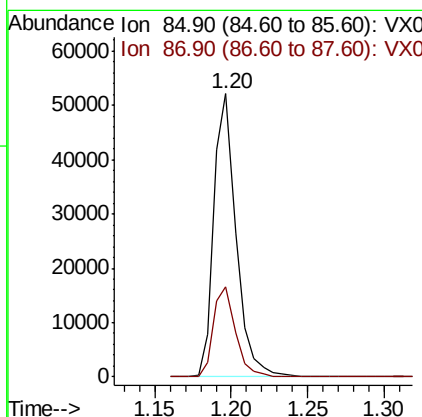
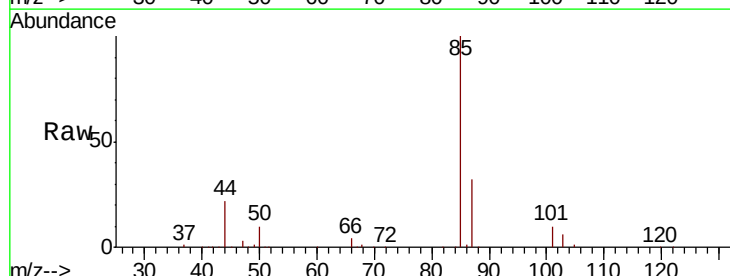
Manual Integrations
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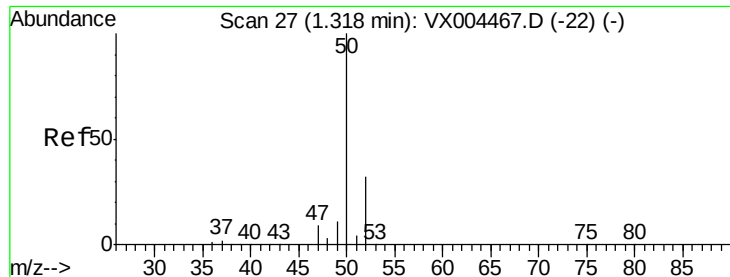
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#2
Dichlorodifluoromethane
Concen: 19.41 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion: 85 Resp: 52991
Ion Ratio Lower Upper
85 100
87 31.6 17.0 50.9





#3

Chloromethane

Concen: 17.46 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBS01

Tot Ion: 50 Resp: 65601

Ion Ratio Lower Upper

50 100

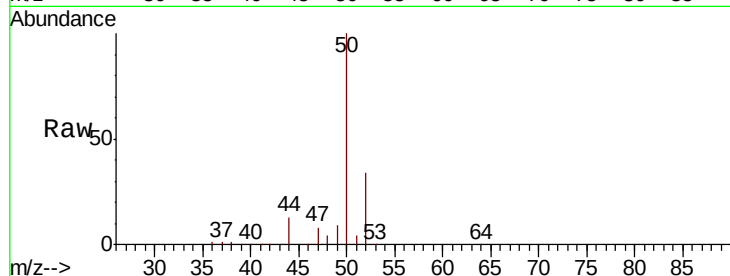
52 33.9 26.2 39.2

Manual Integrations

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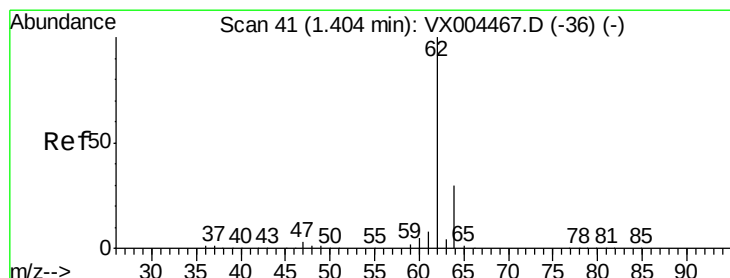
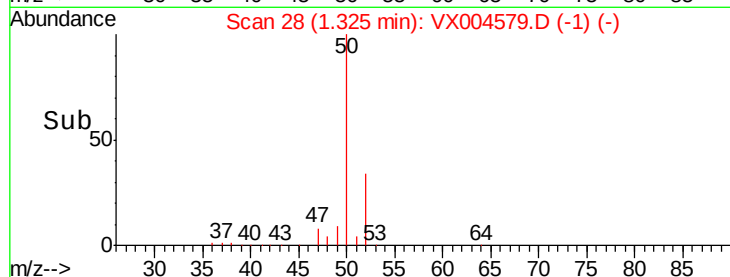
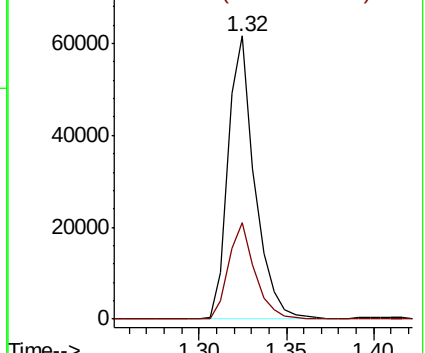
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.68 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004579.D

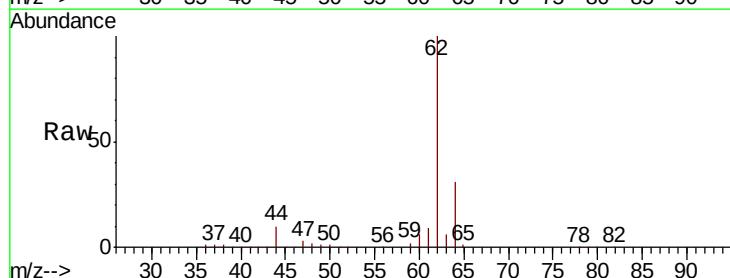
Acq: 15 Sep 2018 12:54

Tgt Ion: 62 Resp: 68180

Ion Ratio Lower Upper

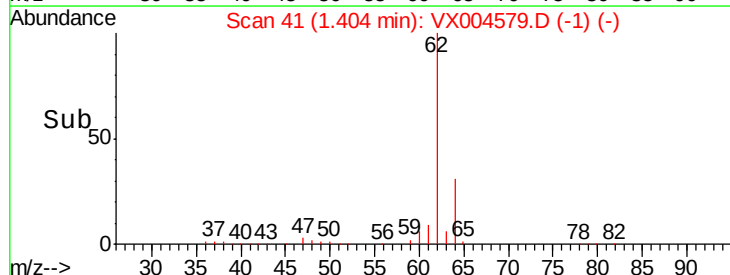
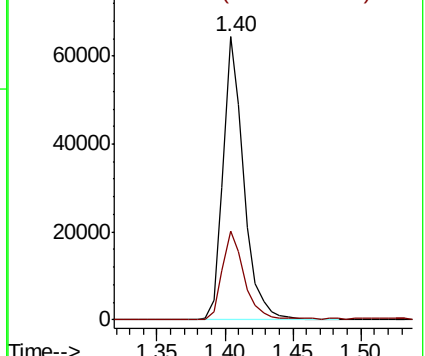
62 100

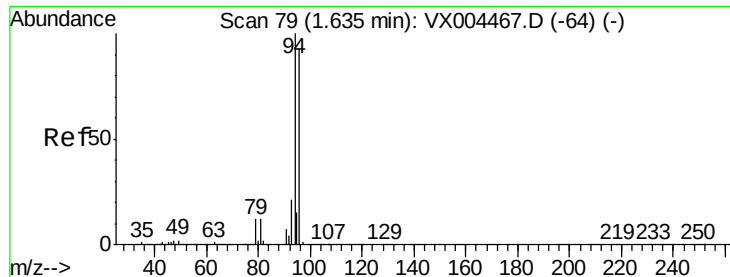
64 31.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.28 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Tot Ion: 94 Resp: 33882

Ion Ratio Lower Upper

94 100

96 98.2 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

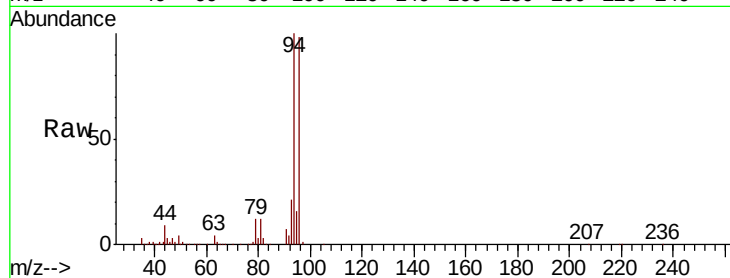
VX0915WBS01

Manual Integrations

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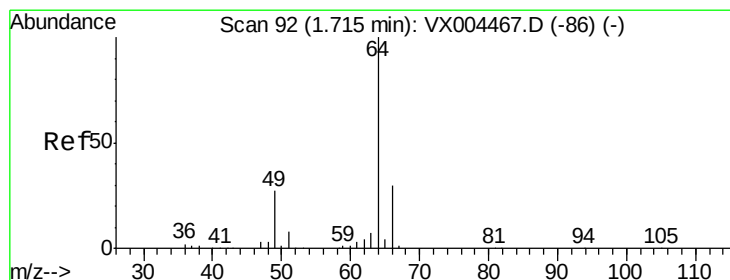
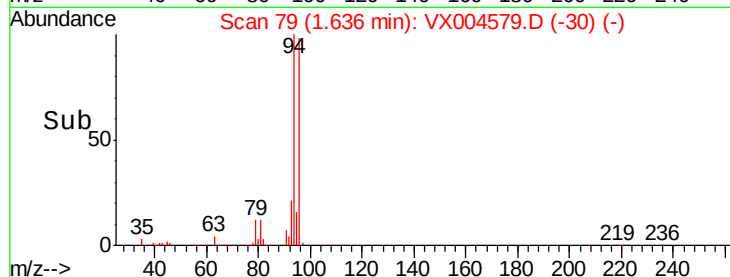
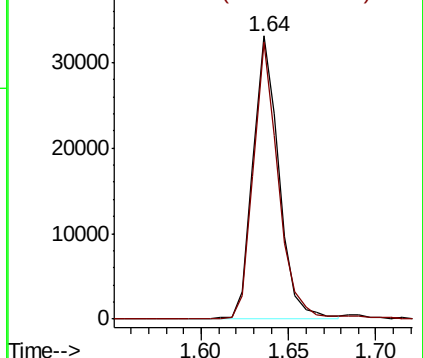
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.16 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004579.D

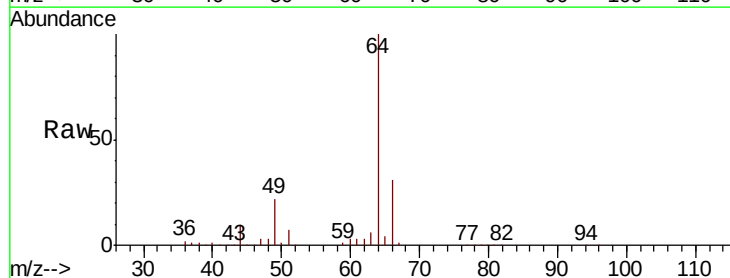
Acq: 15 Sep 2018 12:54

Tgt Ion: 64 Resp: 45288

Ion Ratio Lower Upper

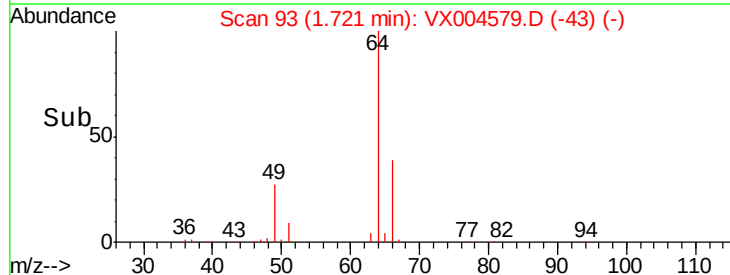
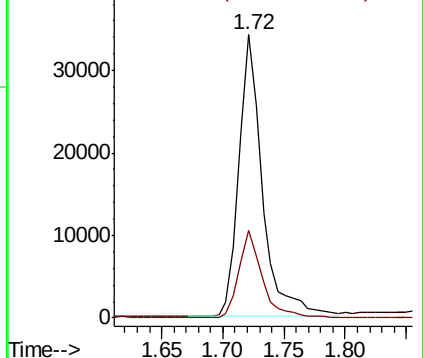
64 100

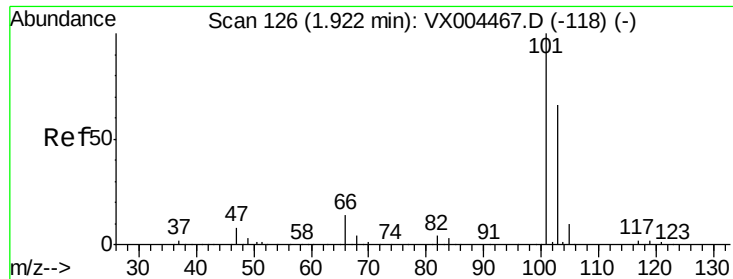
66 31.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

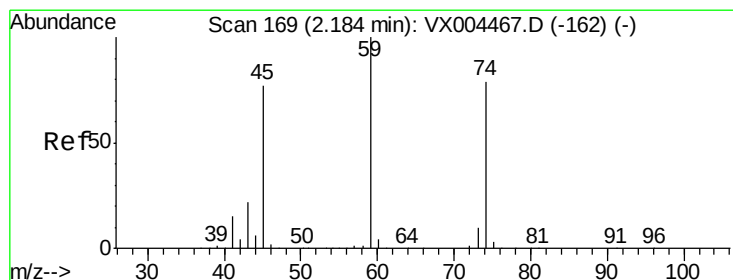
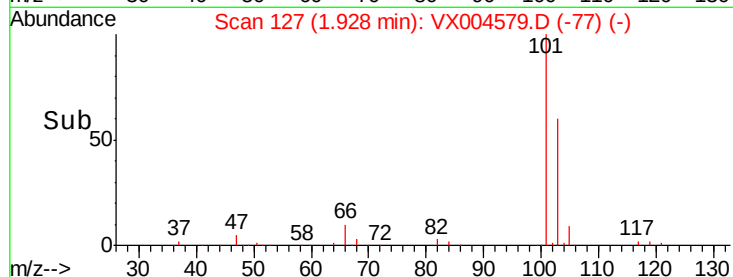
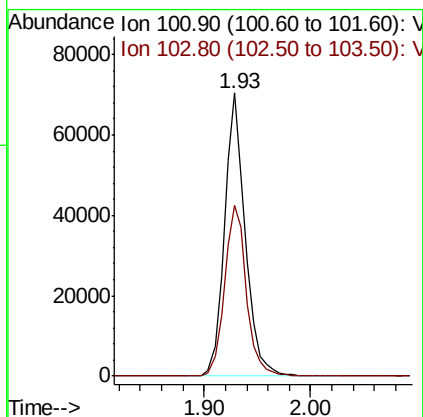
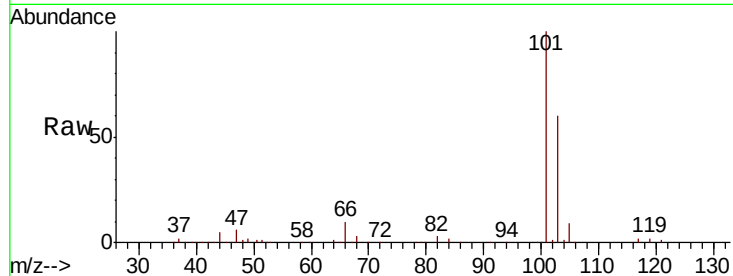
Trichlorofluoromethane
Concen: 18.69 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion:101 Resp: 95553
Ion Ratio Lower Upper
101 100
103 60.5 48.9 73.3

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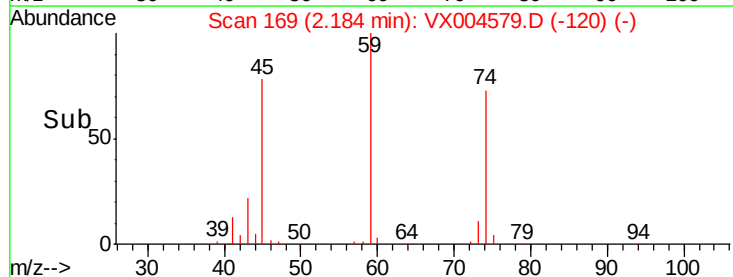
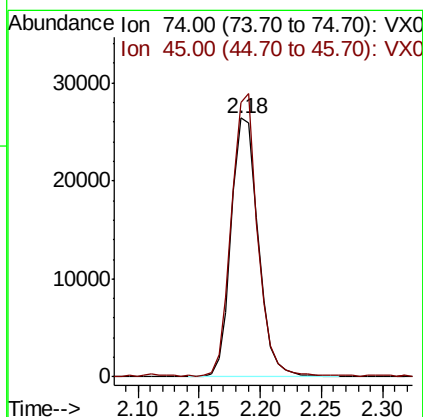
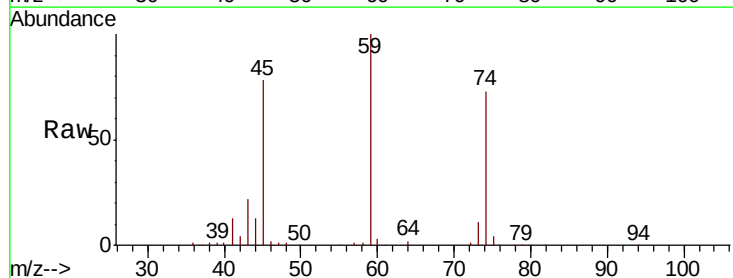
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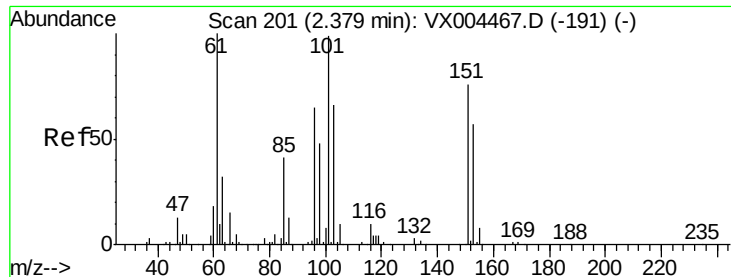


#8

Diethyl Ether
Concen: 17.61 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion: 74 Resp: 40348
Ion Ratio Lower Upper
74 100
45 104.9 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.81 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

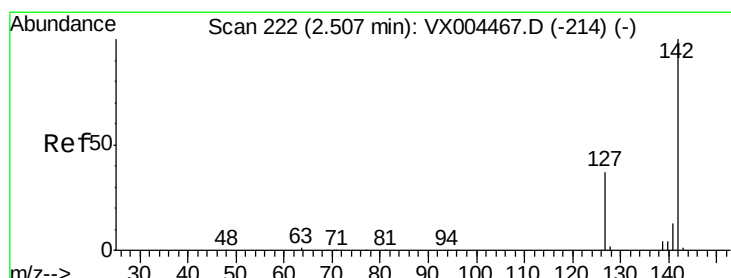
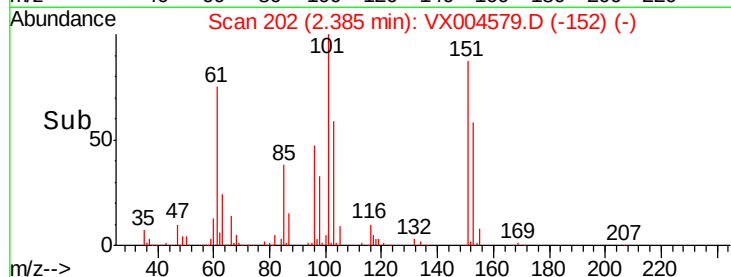
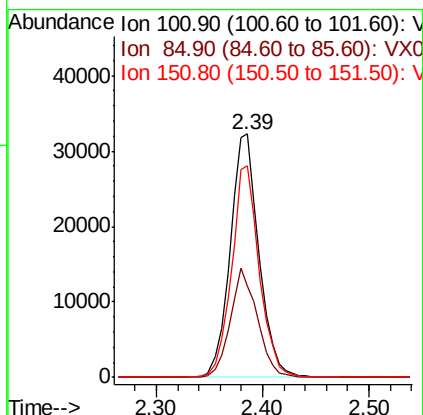
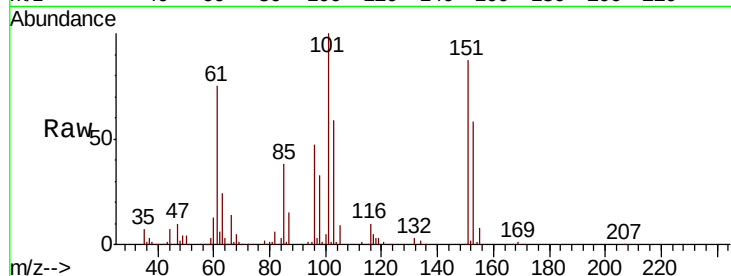
ClientSampleId :

VX0915WBS01

Tot Ion:	101	Resp:	60996
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	84.0	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 15.02 ug/l

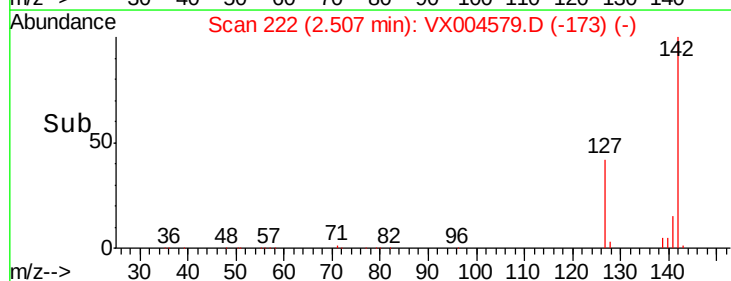
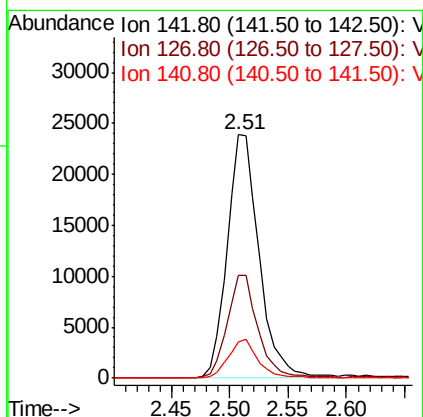
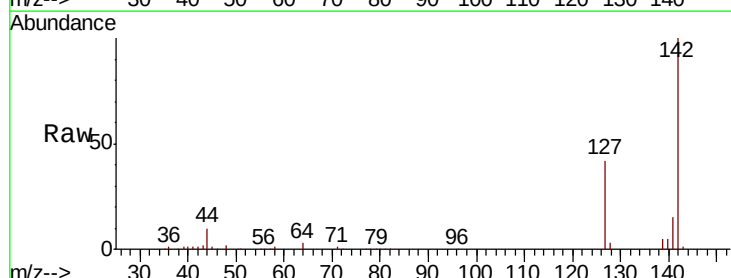
RT: 2.51 min Scan# 222

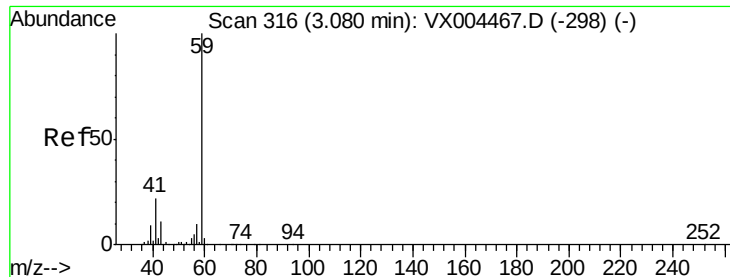
Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Tgt Ion:	142	Resp:	45603
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.8	50.6
141	14.8	11.4	17.0





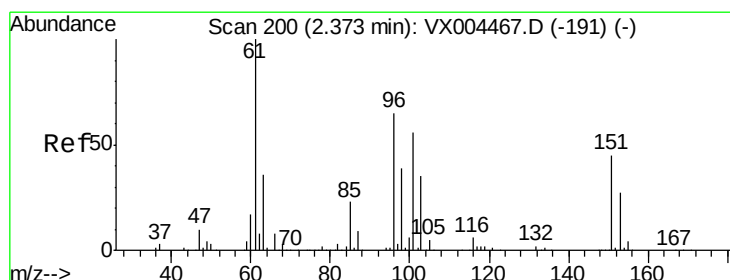
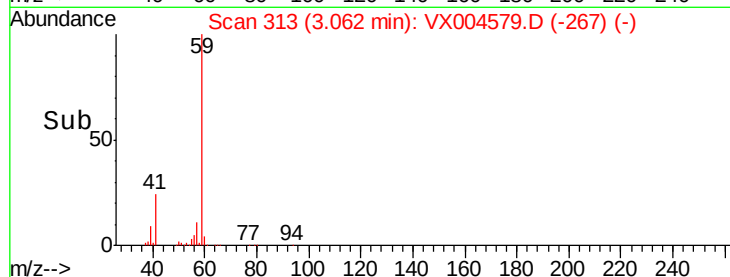
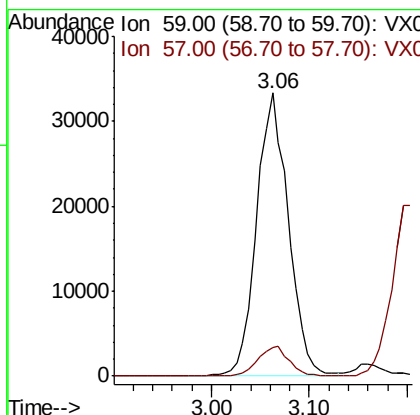
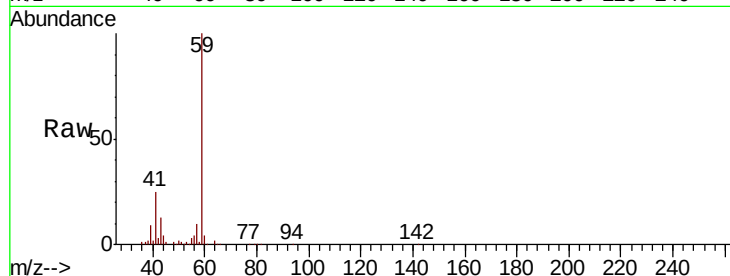
#11
Tert butyl alcohol
Concen: 84.28 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

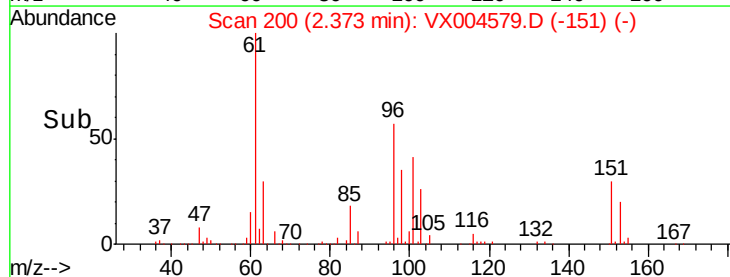
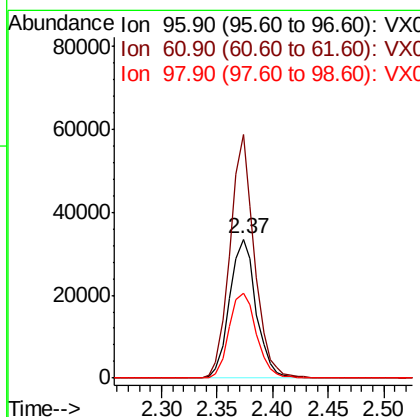
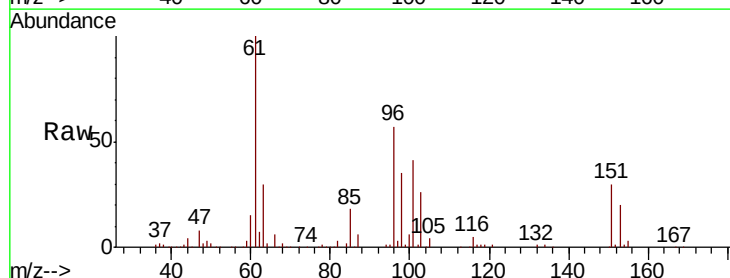
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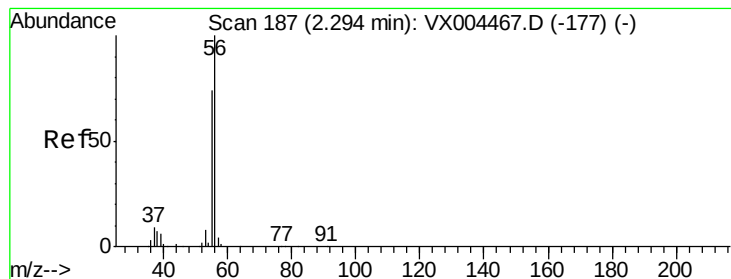
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.14 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.6	128.8	193.2
98	61.1	52.2	78.2





#13

Acrolein

Concen: 151.67 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBS01

Tot Ion: 56 Resp: 53653

Ion Ratio Lower Upper

56 100

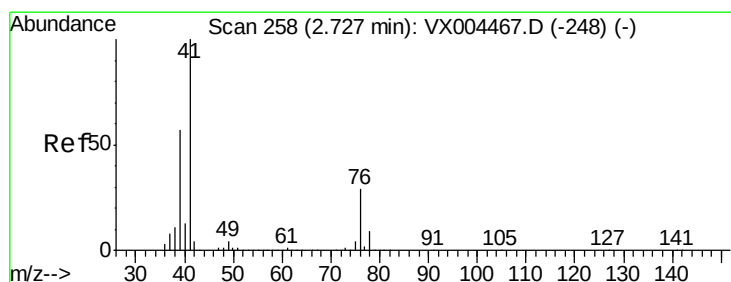
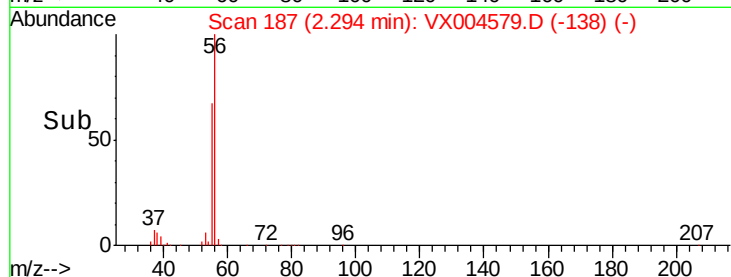
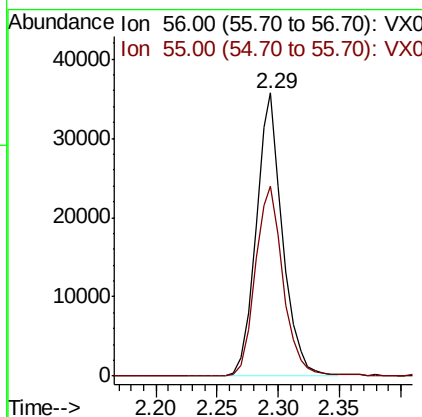
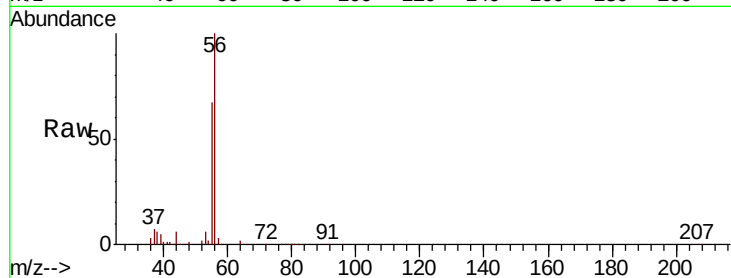
55 70.9 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 17.66 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

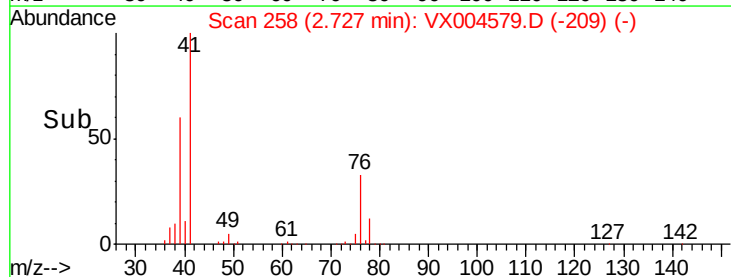
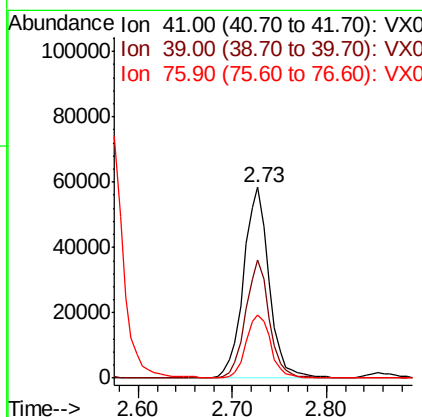
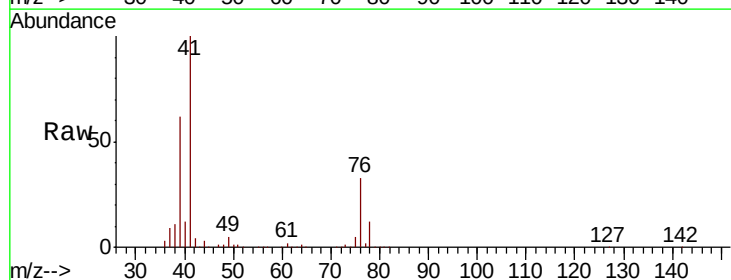
Tgt Ion: 41 Resp: 110524

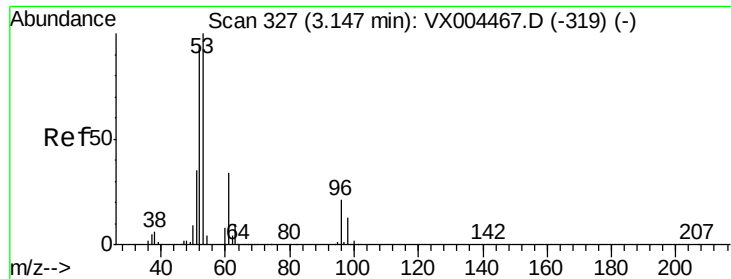
Ion Ratio Lower Upper

41 100

39 57.8 48.9 73.3

76 32.4 26.7 40.1





#15

Acrylonitrile

Concen: 87.80 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

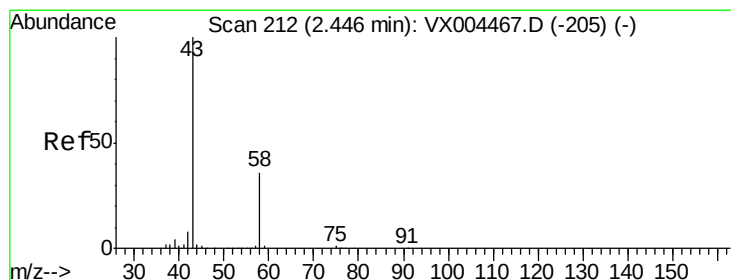
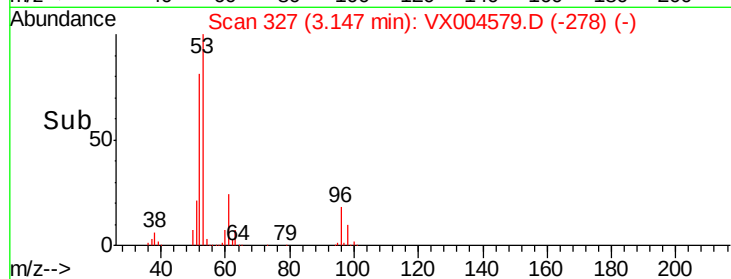
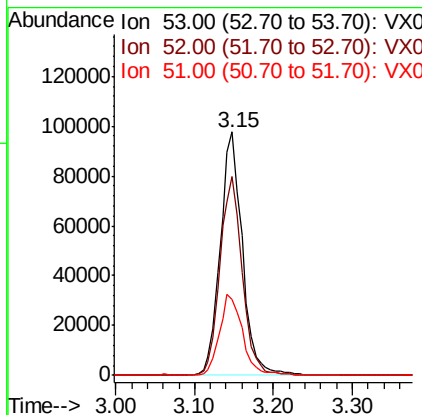
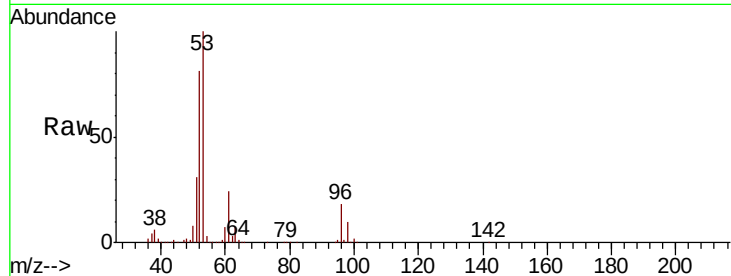
ClientSampleId :

VX0915WBS01

Tot Ion:	53	Resp:	189486
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.2	97.8
51	34.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 86.44 ug/l

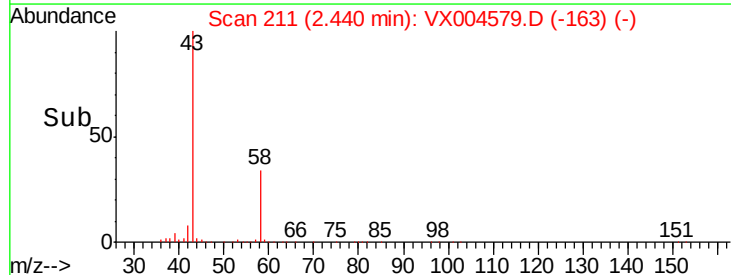
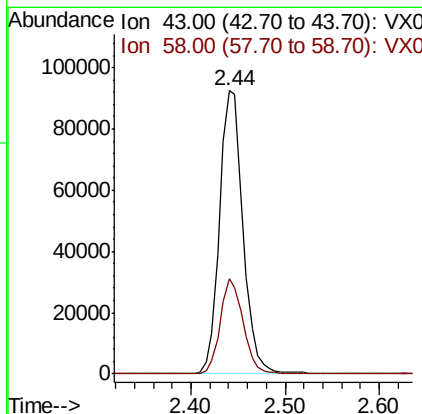
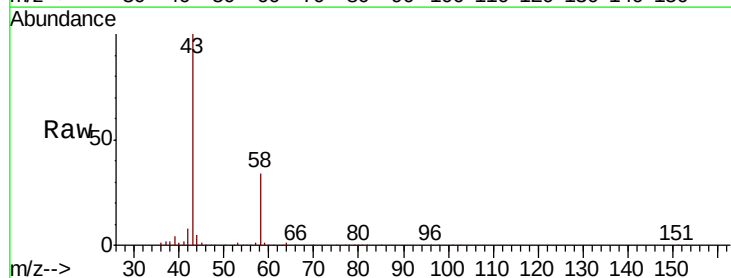
RT: 2.44 min Scan# 211

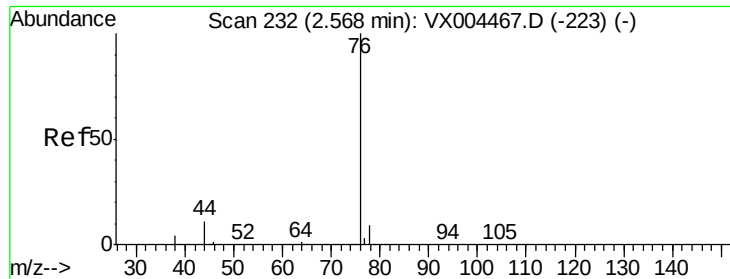
Delta R.T. -0.01 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Tgt Ion:	43	Resp:	158450
Ion Ratio	Lower	Upper	
43	100		
58	33.8	26.2	39.4





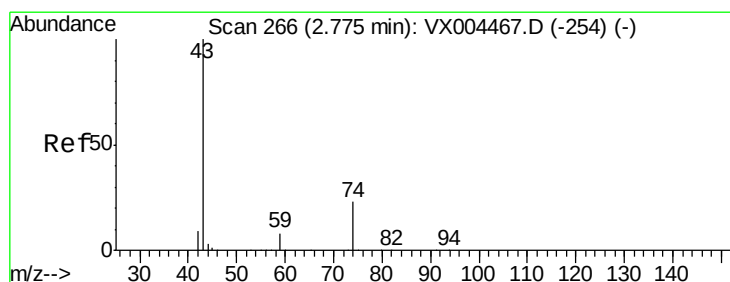
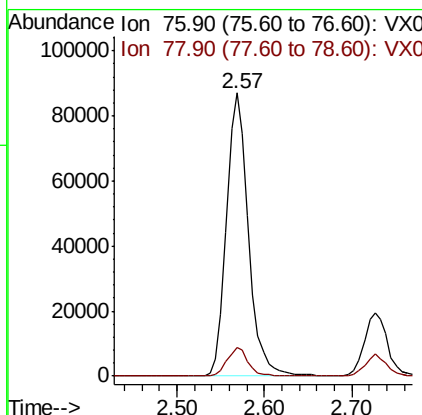
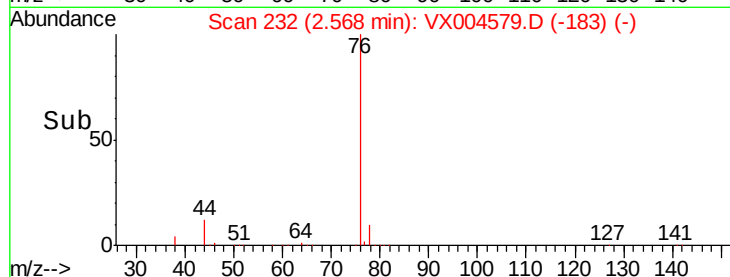
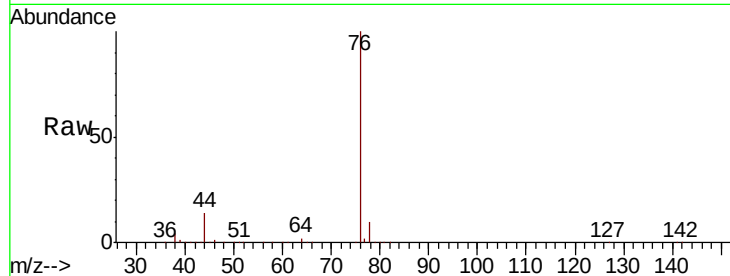
#17
Carbon Disulfide
Concen: 17.26 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

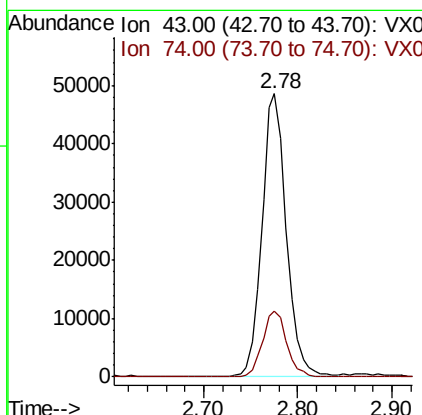
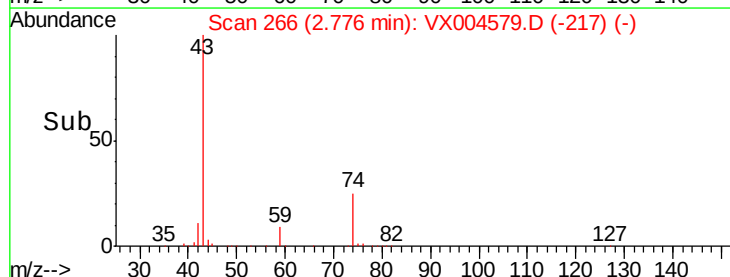
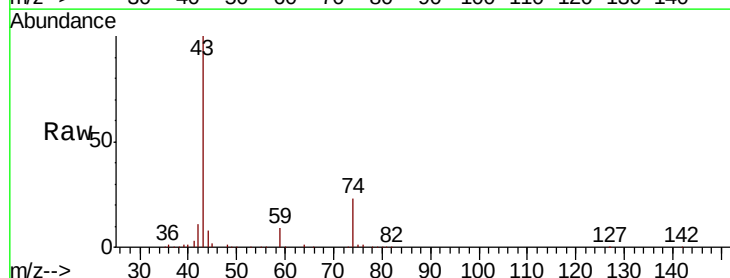
Manual Integrations
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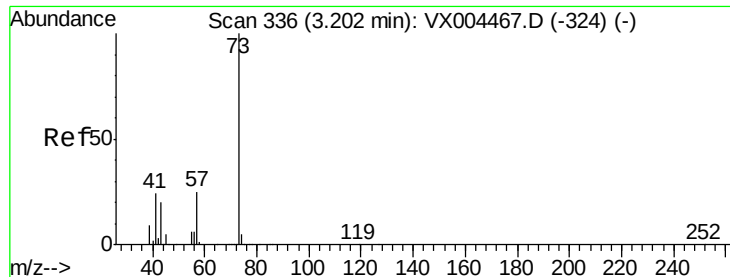
MMDadoda
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#18
Methyl Acetate
Concen: 17.10 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.2





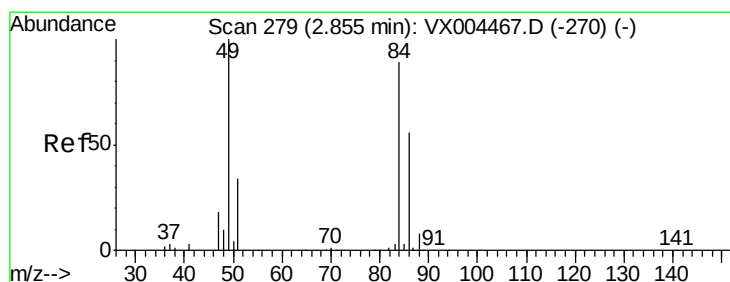
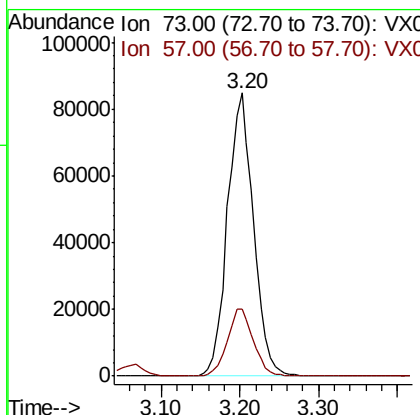
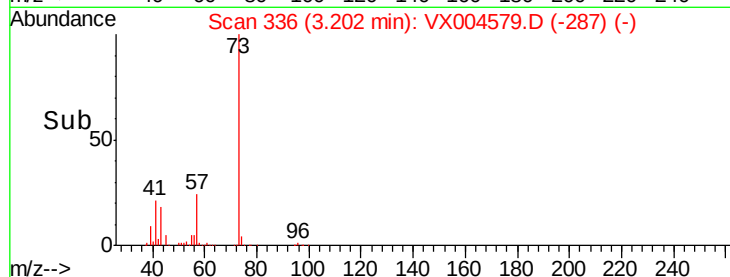
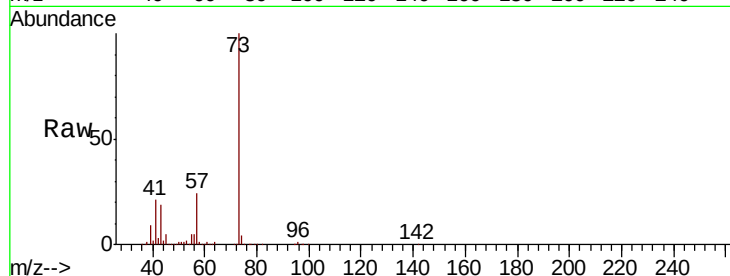
#19
Methyl tert-butyl Ether
Concen: 18.20 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.1	25.7

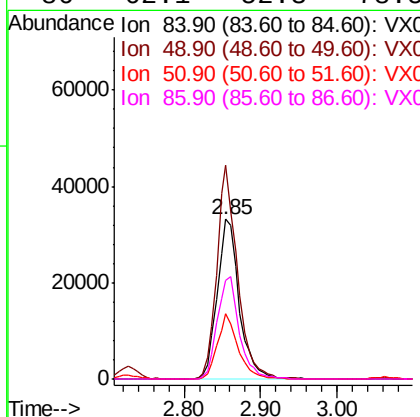
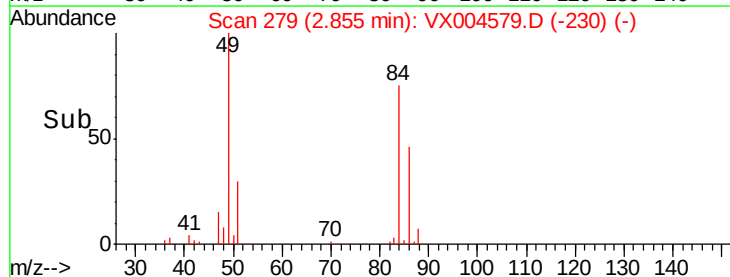
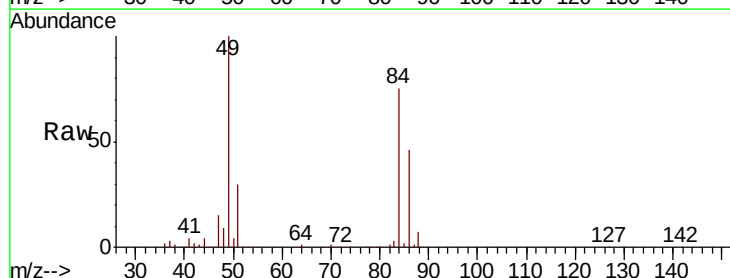
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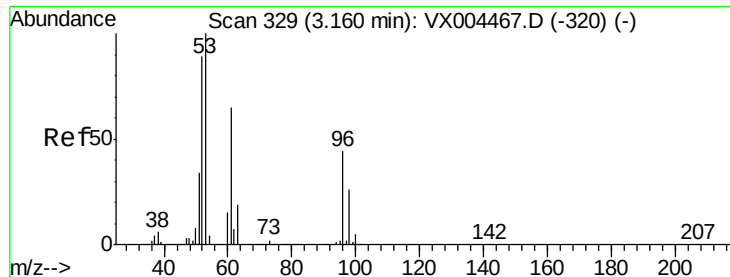
MMDadoda
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#20
Methylene Chloride
Concen: 17.56 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.9	101.2	151.8
51	40.8	29.5	44.3
86	62.1	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 17.95 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBS01

Tot Ion: 96 Resp: 60379

Ion Ratio Lower Upper

96 100

61 137.8 113.8 170.6

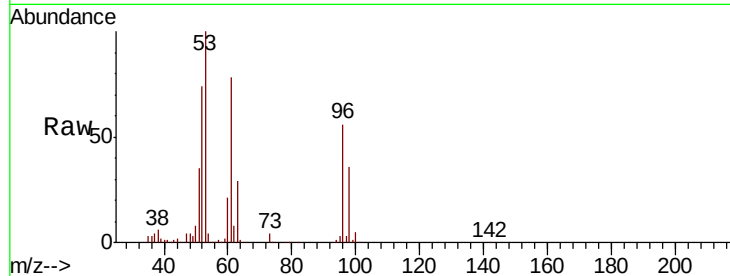
98 64.7 51.8 77.8

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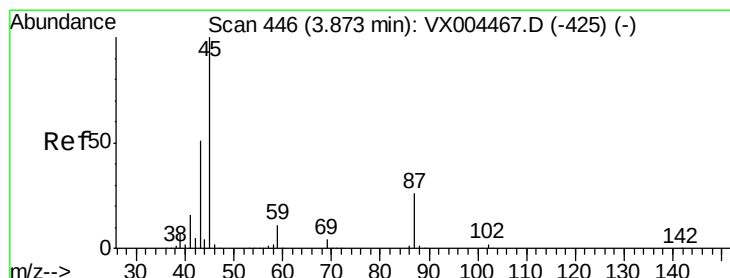
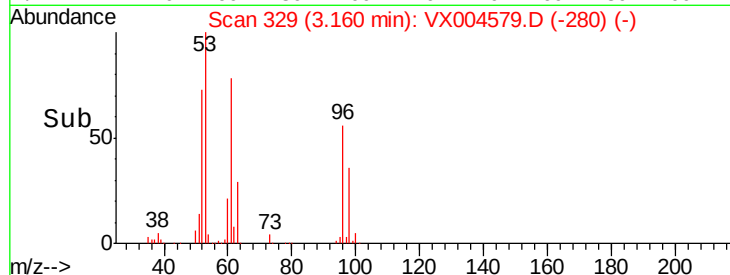
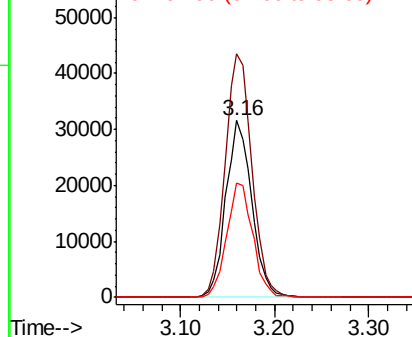


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.10 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Tgt Ion: 45 Resp: 203924

Ion Ratio Lower Upper

45 100

43 52.8 42.8 64.2

87 24.9 22.6 34.0

59 11.6 9.6 14.4

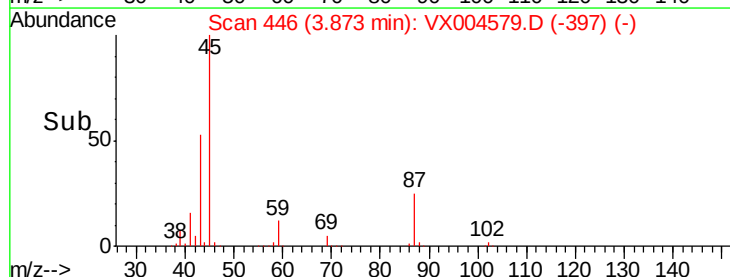
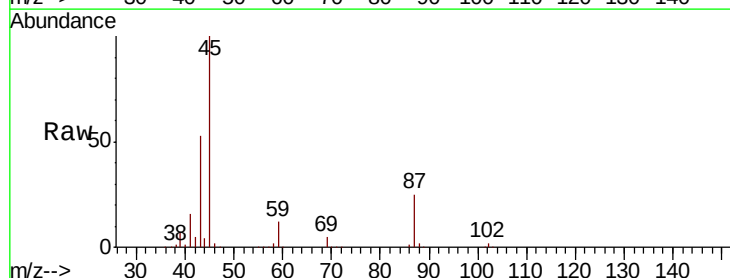
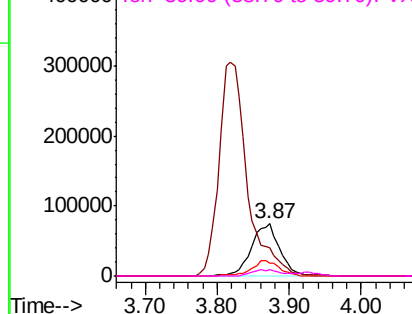
Abundance

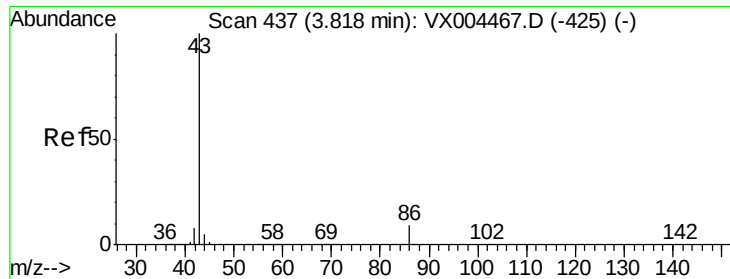
Ion 45.00 (44.70 to 45.70): VX0

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: 91.74 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Tot Ion: 43 Resp: 836638

Ion Ratio Lower Upper

43 100

86 10.4 8.9 13.3

Instrument :

MSVOA_X

ClientSampleId :

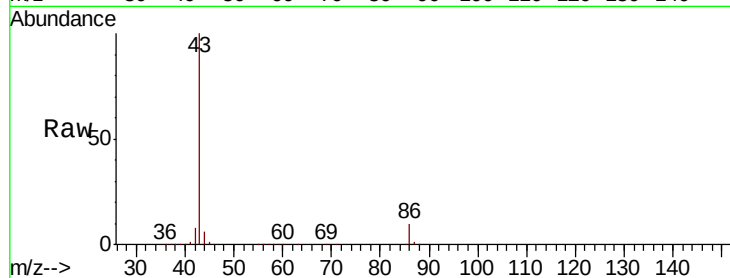
VX0915WBS01

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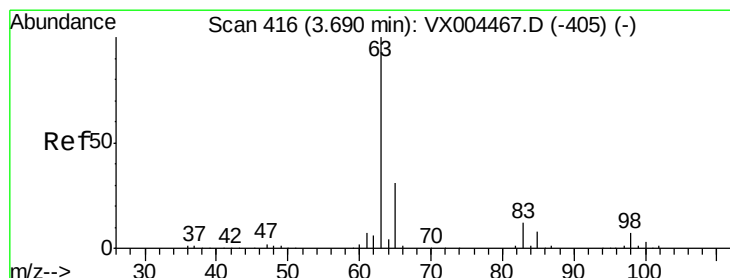
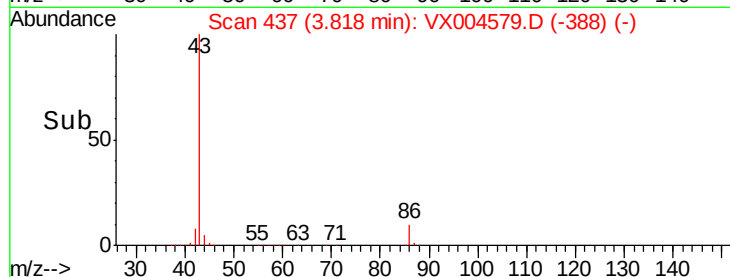
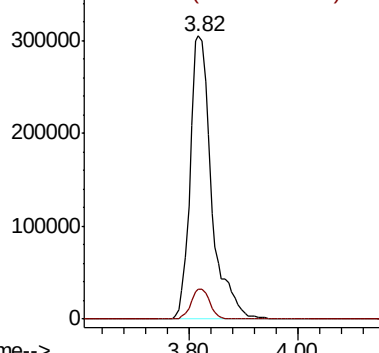
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 17.95 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

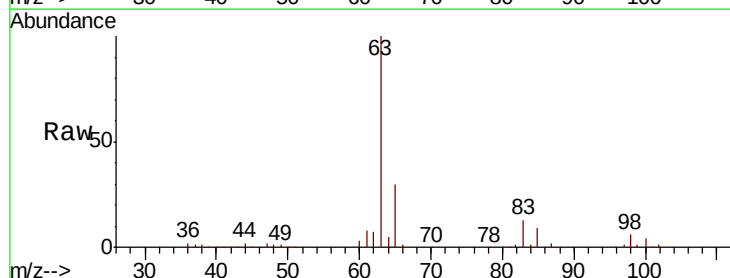
Tgt Ion: 63 Resp: 114203

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

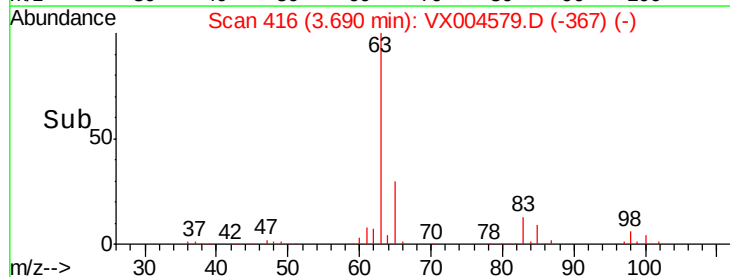
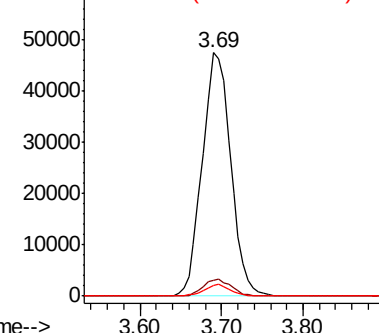
100 4.2 2.4 7.1

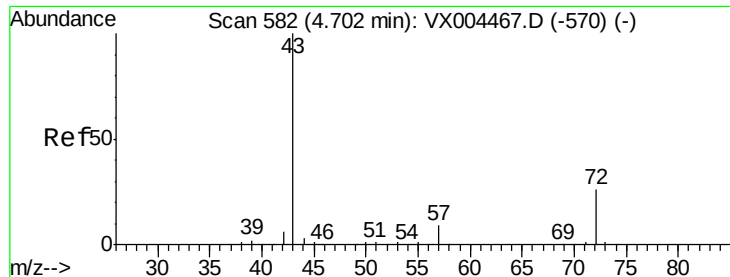


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 81.20 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBS01

Tot Ion: 43 Resp: 236874

Ion Ratio Lower Upper

43 100

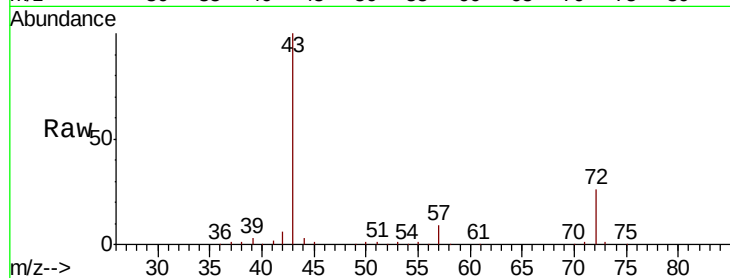
72 26.2 22.0 33.0

Manual Integrations

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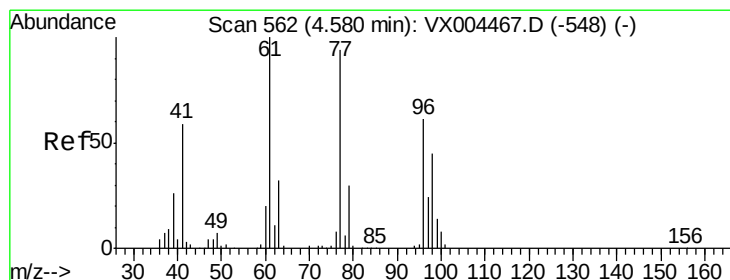
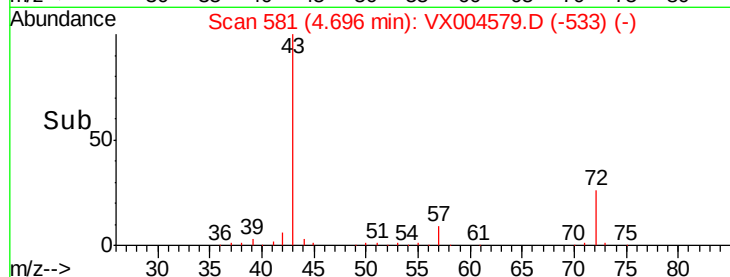
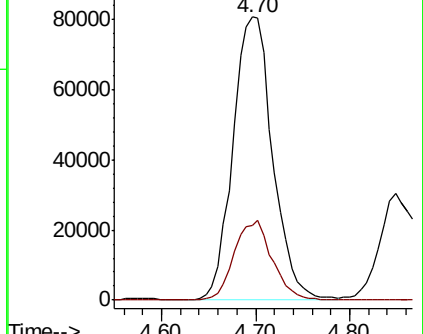
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.10 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX004579.D

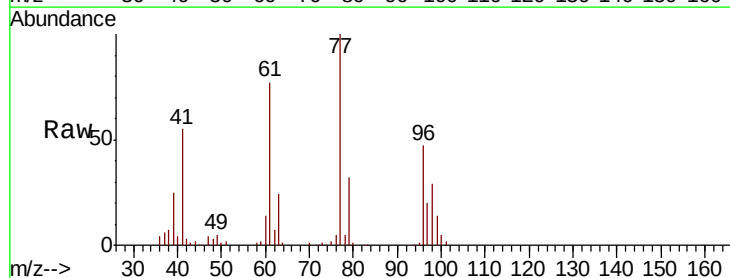
Acq: 15 Sep 2018 12:54

Tgt Ion: 77 Resp: 87839

Ion Ratio Lower Upper

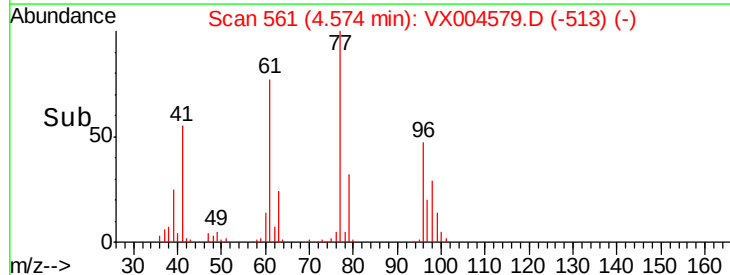
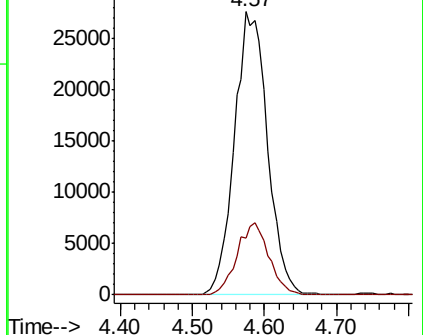
77 100

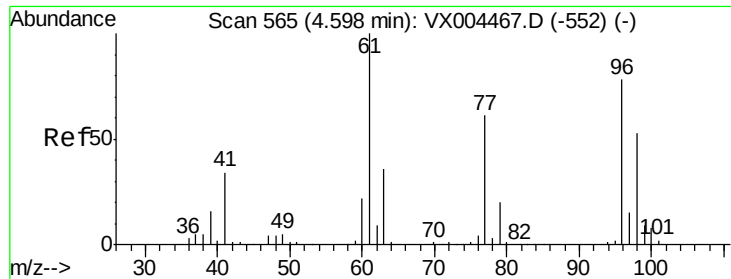
97 24.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

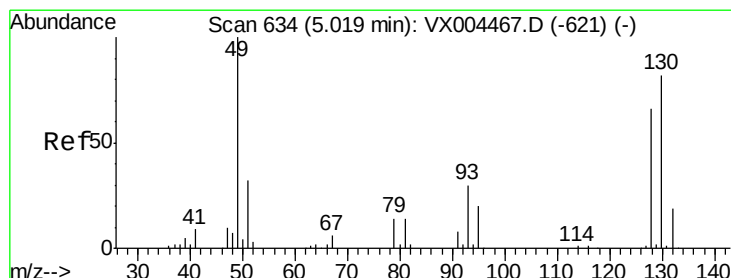
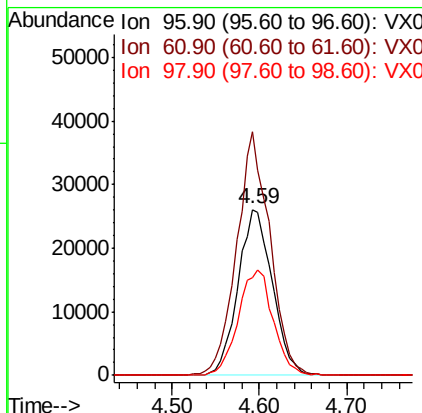
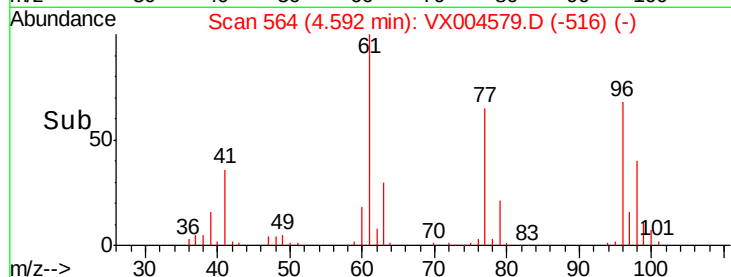
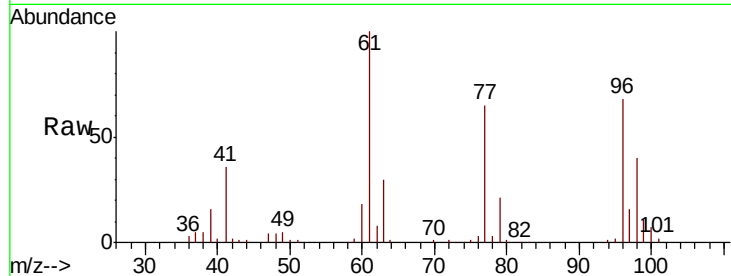
cis-1,2-Dichloroethene
Concen: 18.96 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	282.6
98	64.4	0.0	130.2

Manual Integrations
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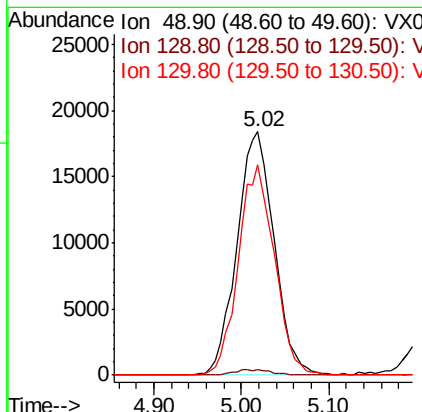
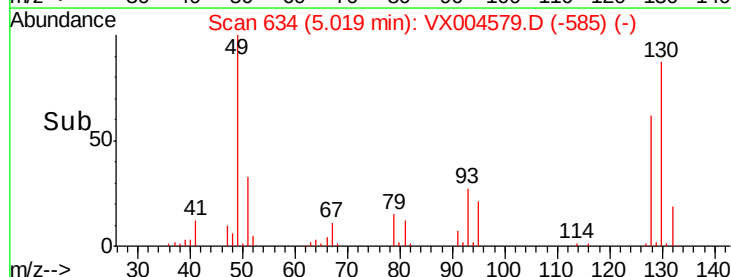
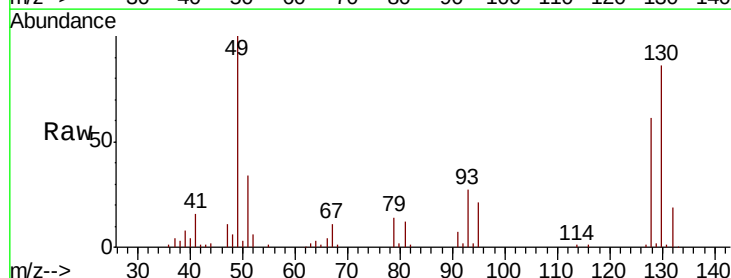
MMDadoda
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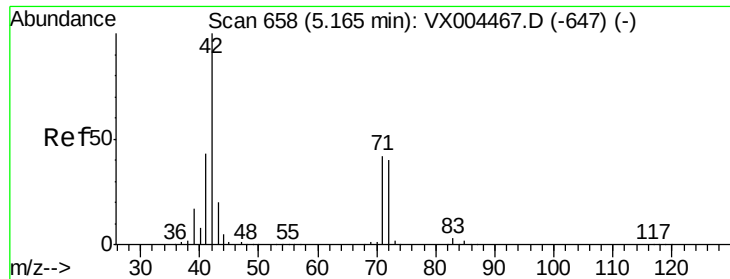


#28

Bromochloromethane
Concen: 18.69 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.6	67.5	101.3





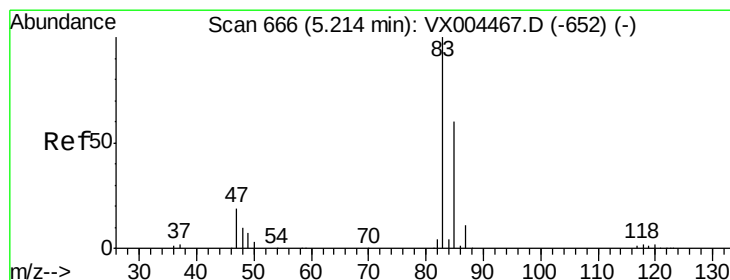
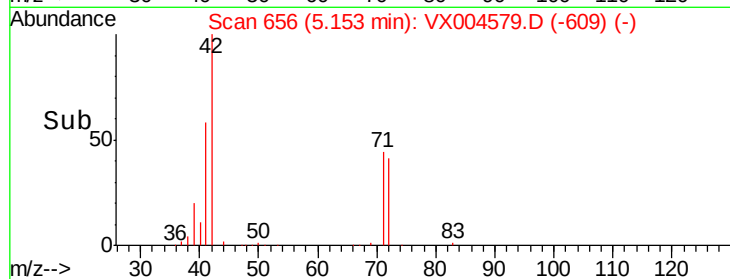
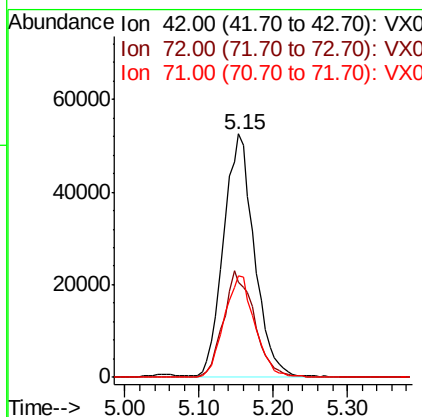
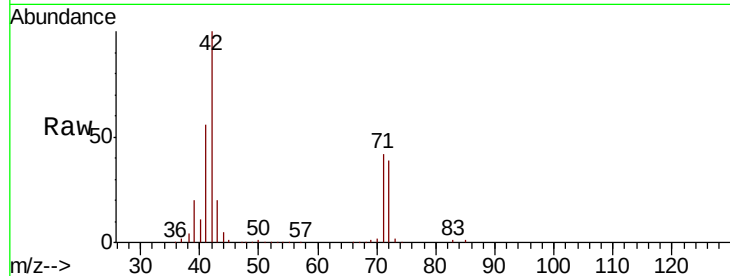
#29
Tetrahydrofuran
Concen: 85.88 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	37.4	56.0
71	41.9	34.5	51.7

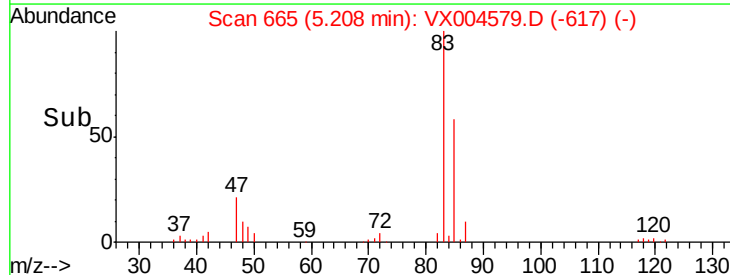
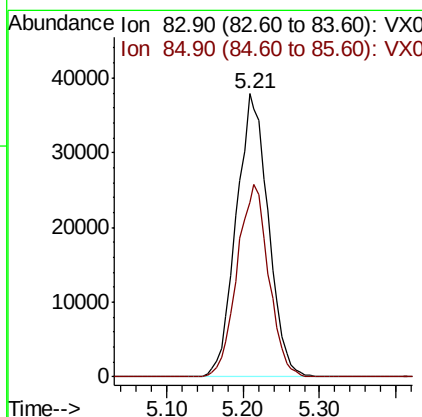
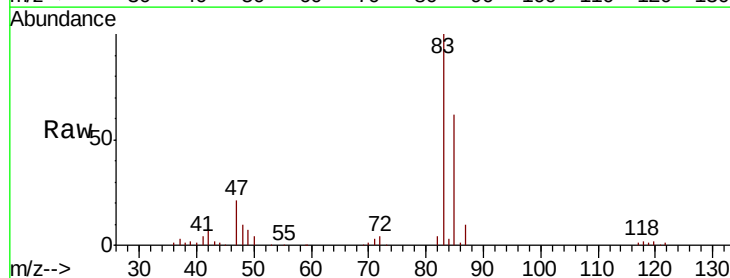
Manual Integrations
APPROVED

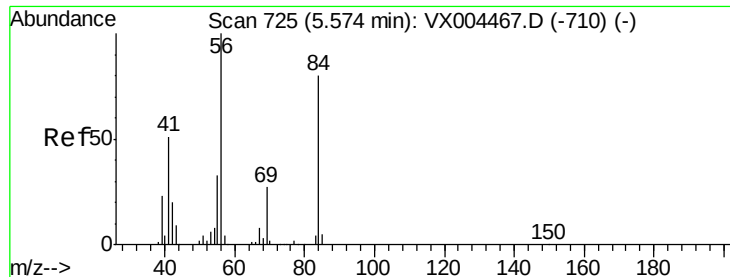
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#30
Chloroform
Concen: 17.74 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.6	79.0





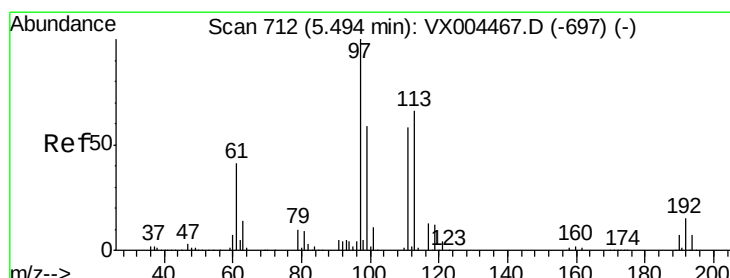
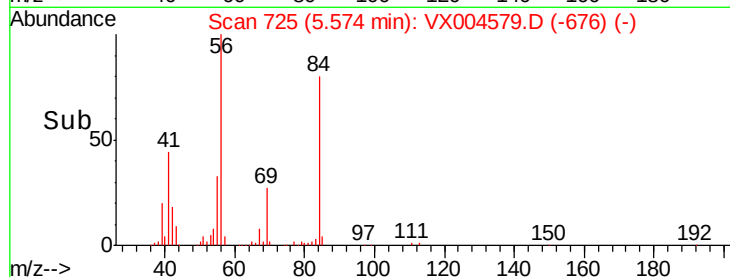
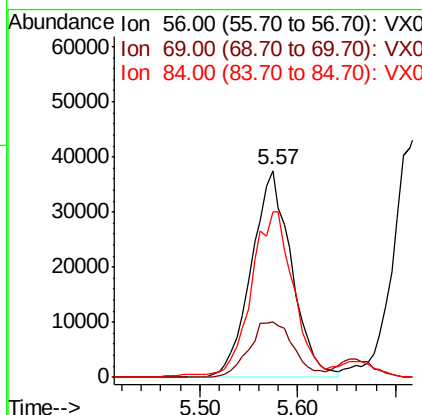
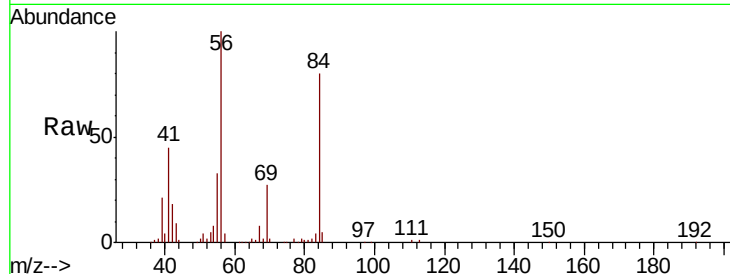
#31
Cyclohexane
Concen: 19.77 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.6	25.4	38.2
84	78.6	71.4	107.2

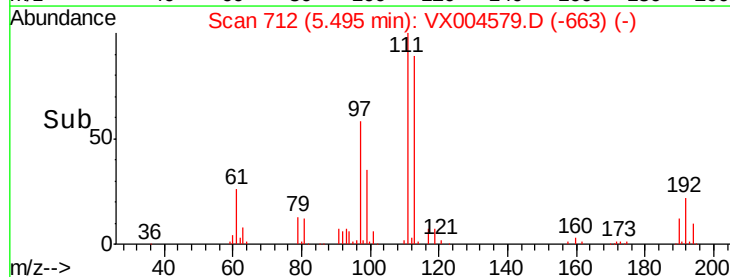
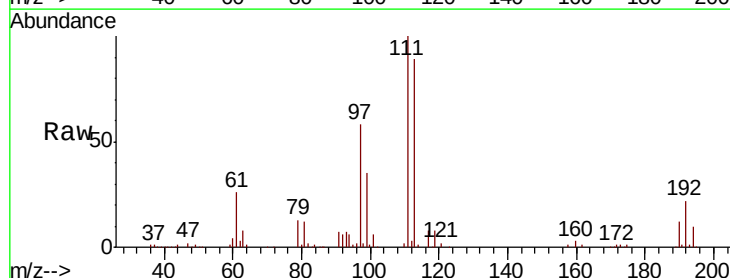
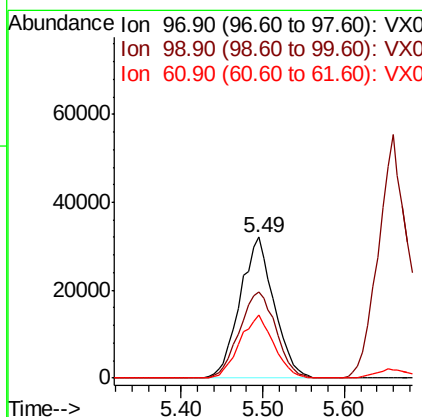
Manual Integrations
APPROVED

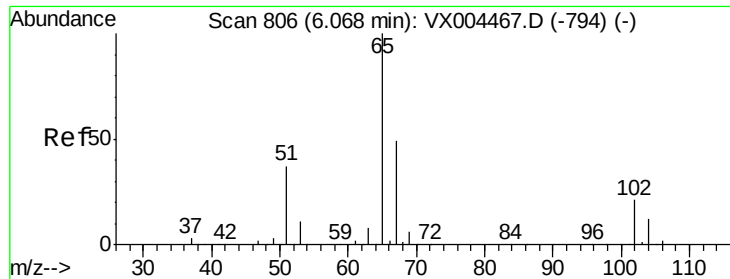
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#32
1,1,1-Trichloroethane
Concen: 18.54 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	52.0	78.0
61	45.0	34.9	52.3





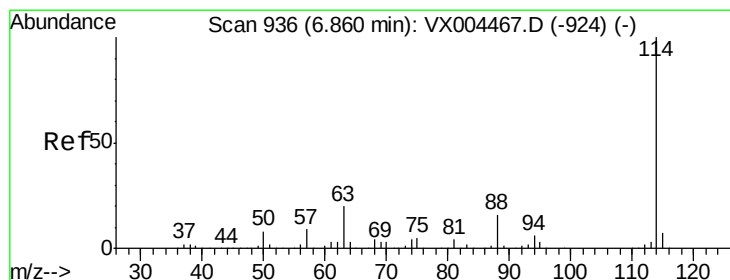
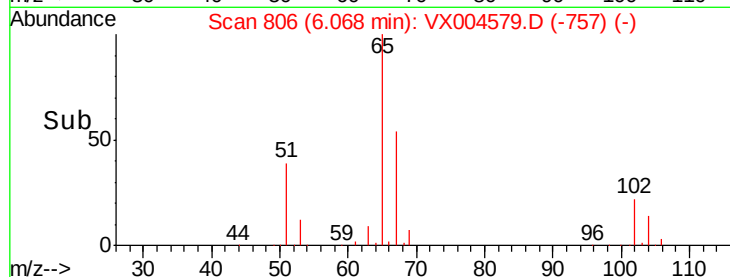
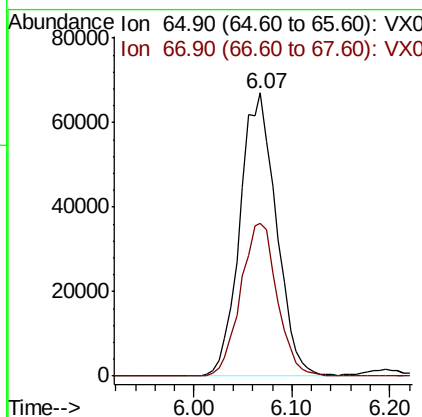
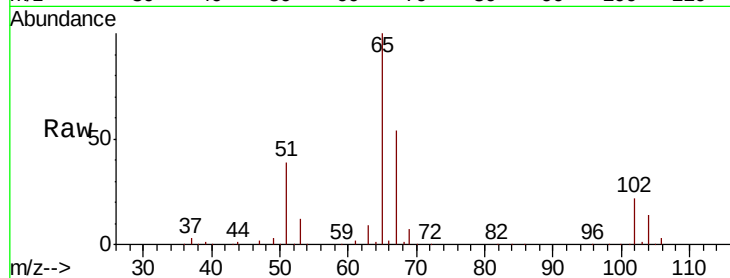
#33
 1,2-Dichloroethane-d4
 Concen: 46.03 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	172883		
67	54.3	0.0	106.8	

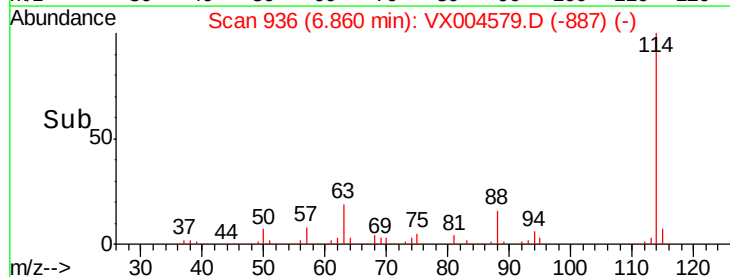
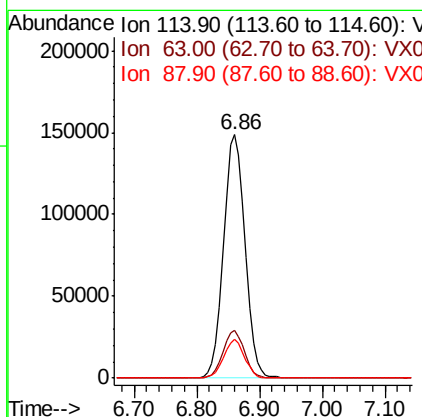
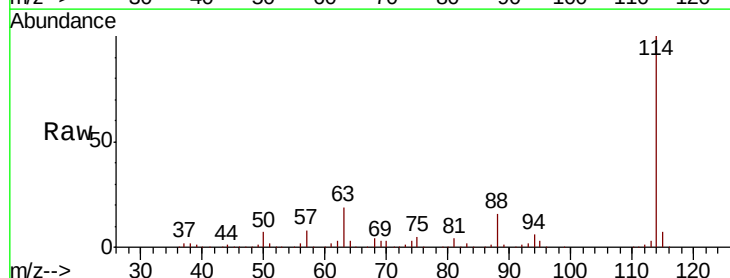
Manual Integrations
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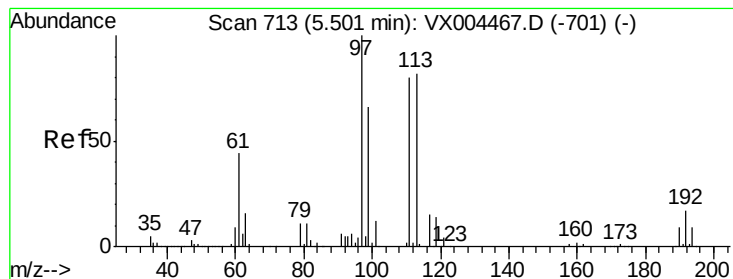
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353100		
63	19.5	0.0	39.0	
88	15.7	0.0	30.4	





#35

Dibromofluoromethane

Concen: 46.49 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

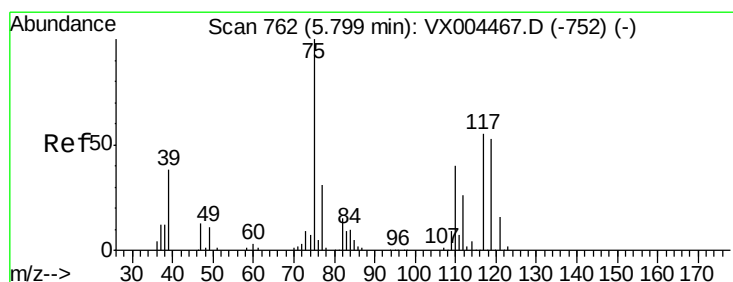
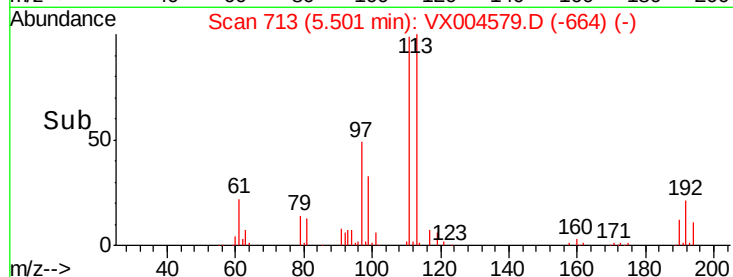
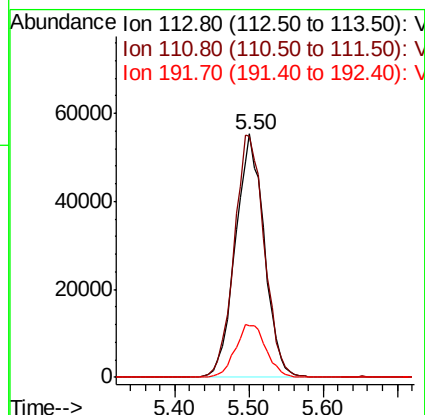
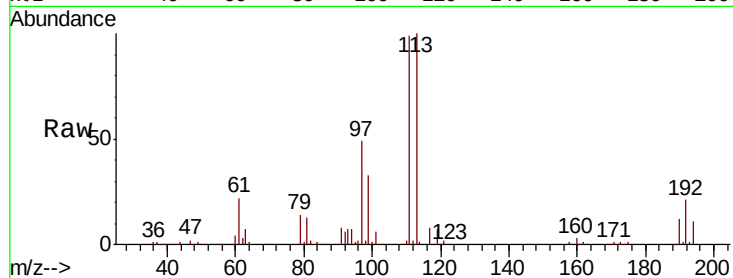
ClientSampleId :

VX0915WBS01

Tot Ion:	113	Resp:	150221
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.4	123.6
192	22.9	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.99 ug/l

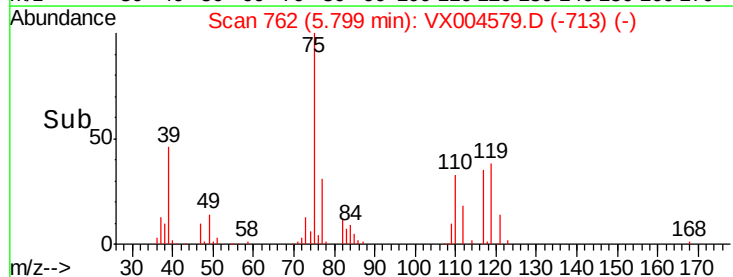
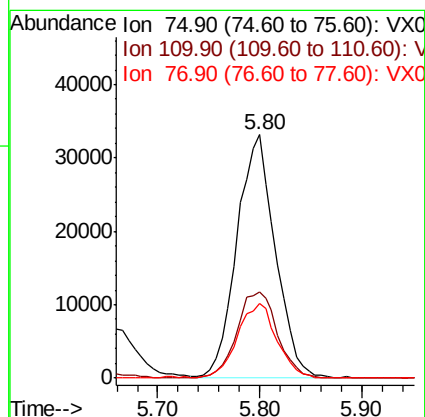
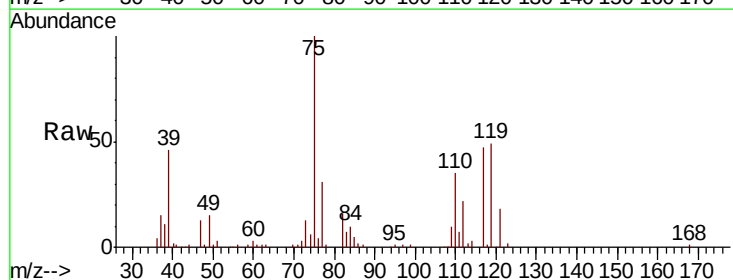
RT: 5.80 min Scan# 762

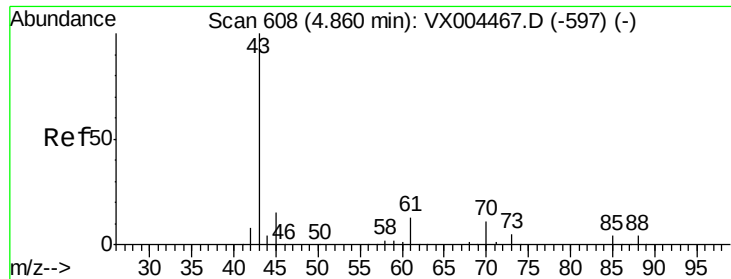
Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Tgt Ion:	75	Resp:	85699
Ion Ratio	Lower	Upper	
75	100		
110	37.7	18.0	54.0
77	31.8	24.6	36.8





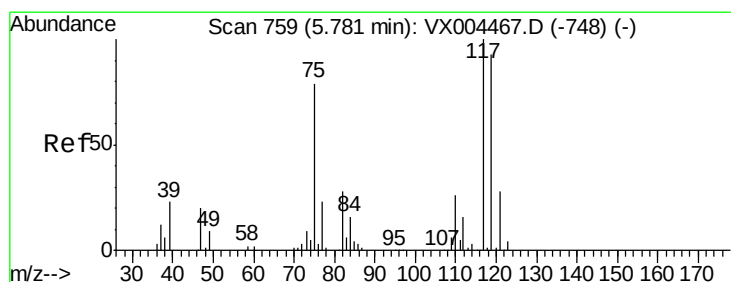
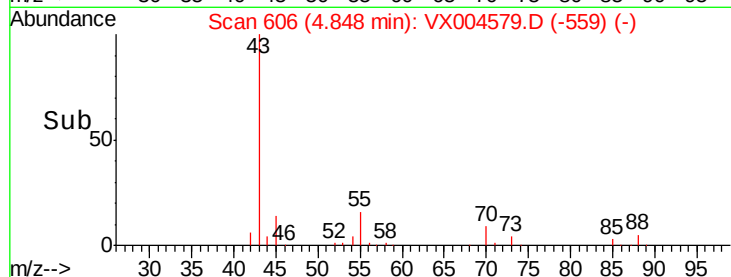
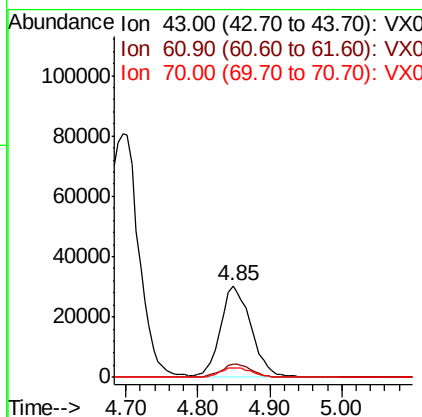
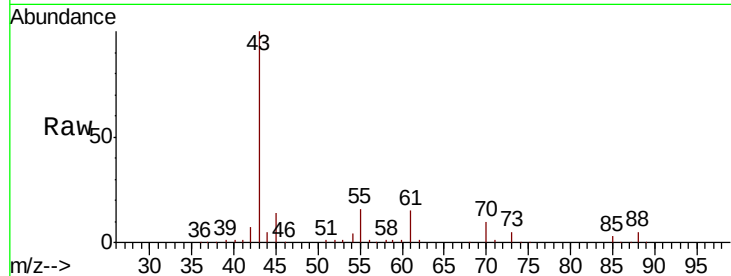
#37
Ethyl Acetate
Concen: 18.24 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	10.9	9.0	13.6

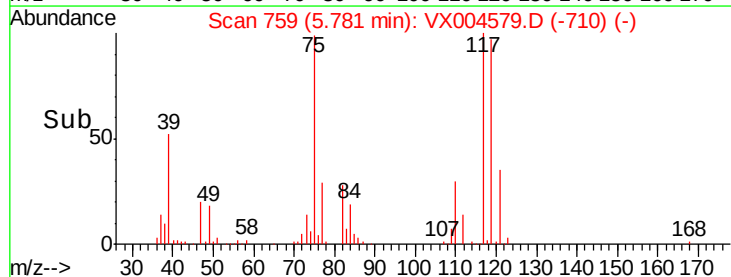
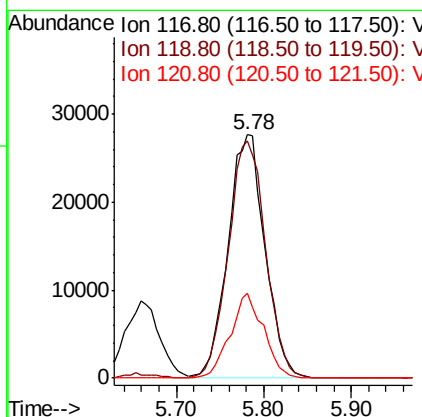
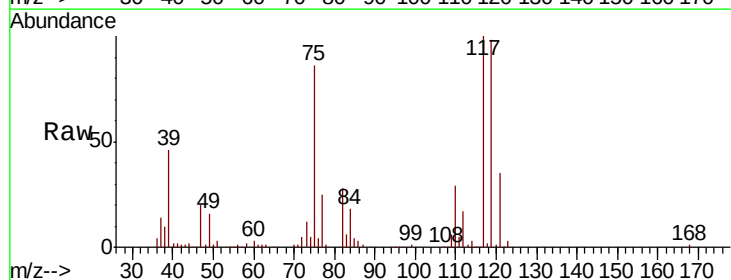
Manual Integrations
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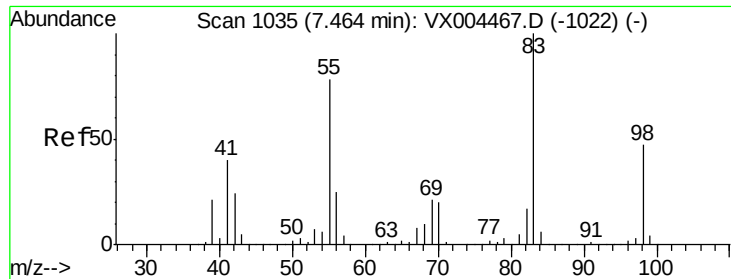
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#38
Carbon Tetrachloride
Concen: 19.46 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	78.8	118.2
121	35.0	24.9	37.3





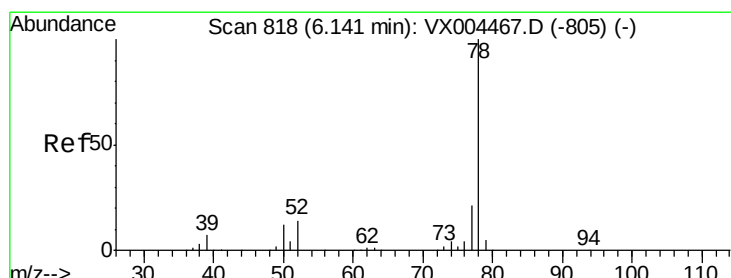
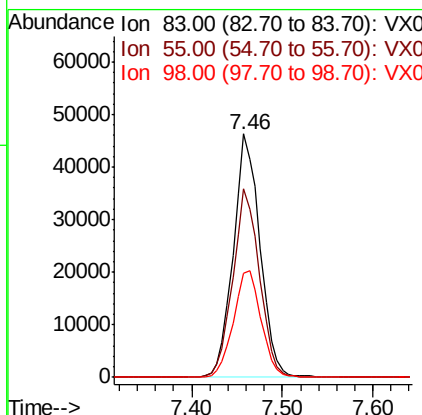
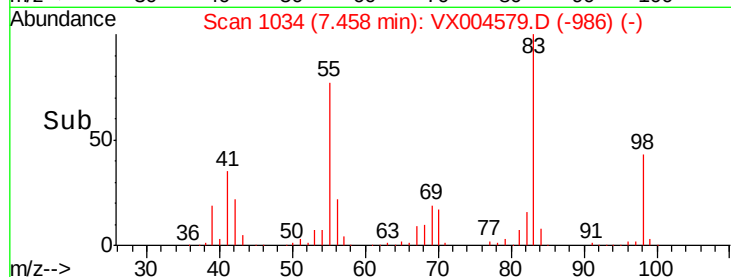
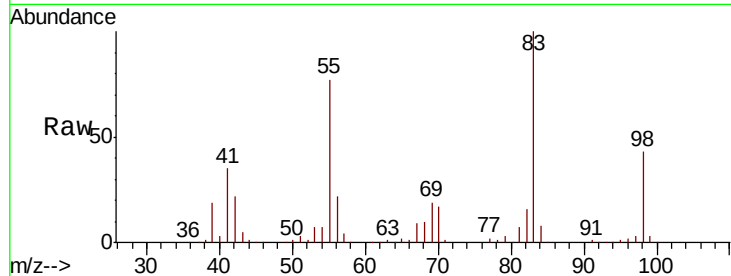
#39
Methylvlcyclohexane
Concen: 21.19 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.0	91.4
98	42.8	39.6	59.4

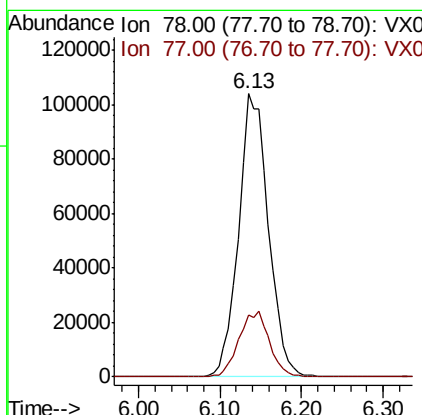
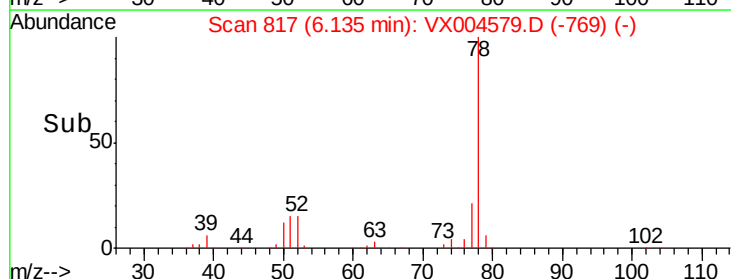
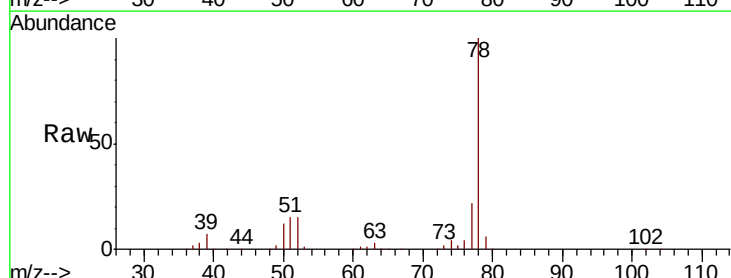
Manual Integrations
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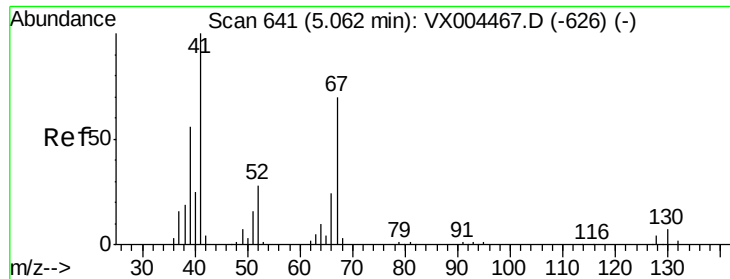
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#40
Benzene
Concen: 20.72 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.8	19.0	28.4





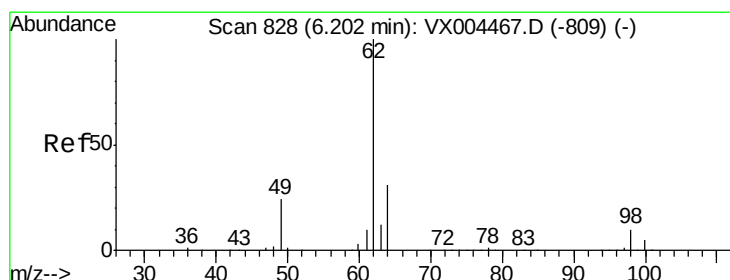
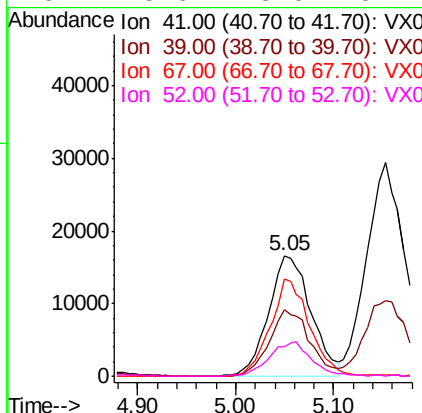
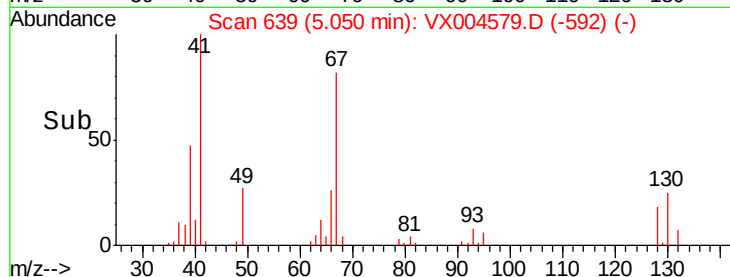
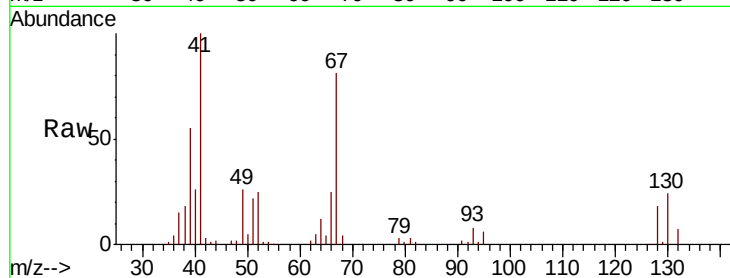
#41
Methacrylonitrile
Concen: 18.61 ug/l
RT: 5.05 min Scan# 639
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.0	42.4	63.6	
67	75.1	59.2	88.8	
52	28.6	23.0	34.4	

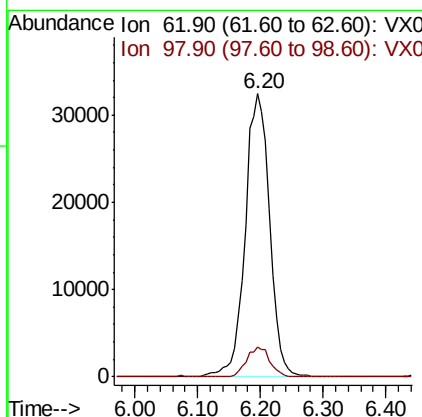
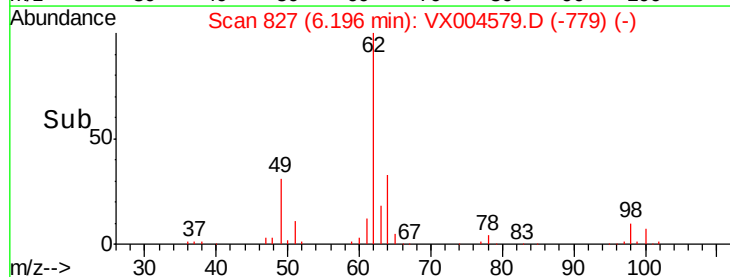
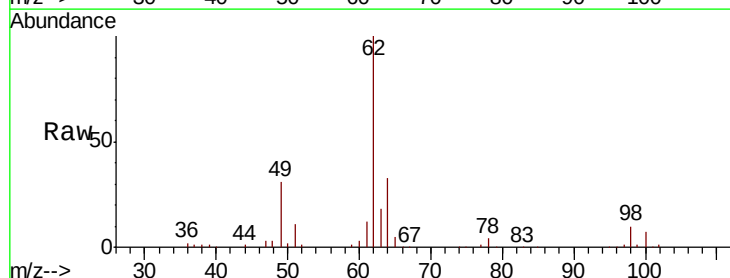
Manual Integrations
APPROVED

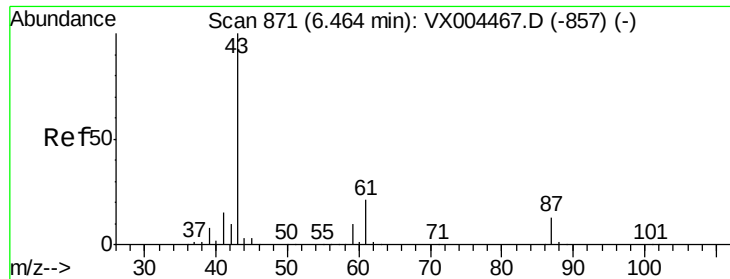
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#42
1,2-Dichloroethane
Concen: 20.73 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.6	





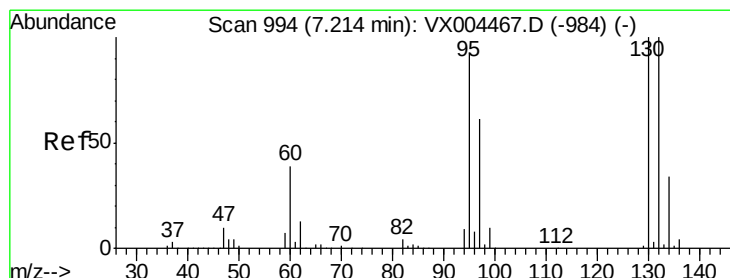
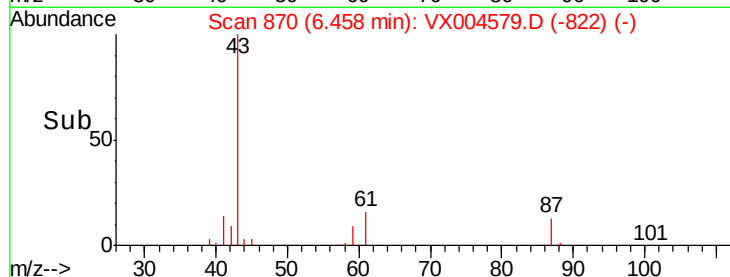
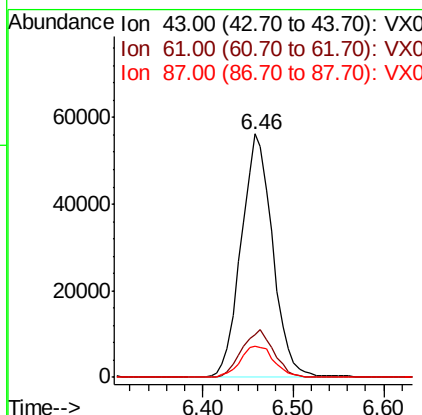
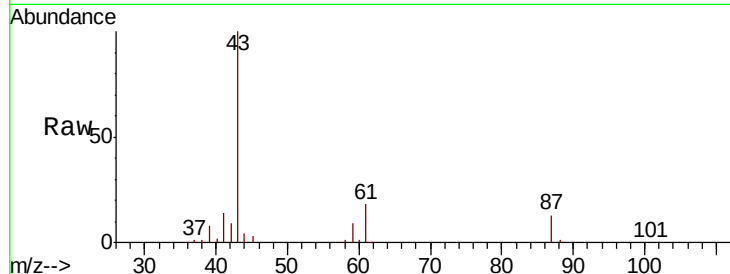
#43
Isopropyl Acetate
Concen: 20.77 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	17.0	25.4
87	13.8	11.4	17.2

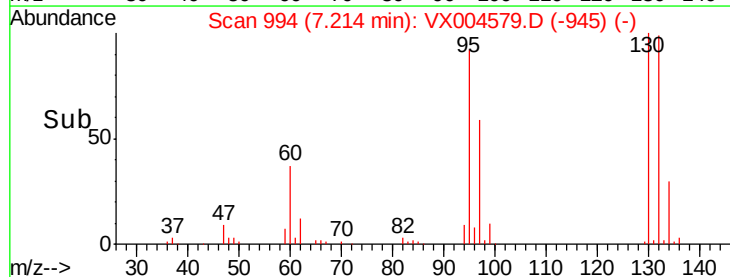
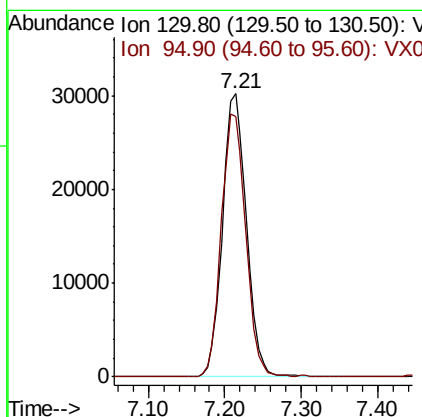
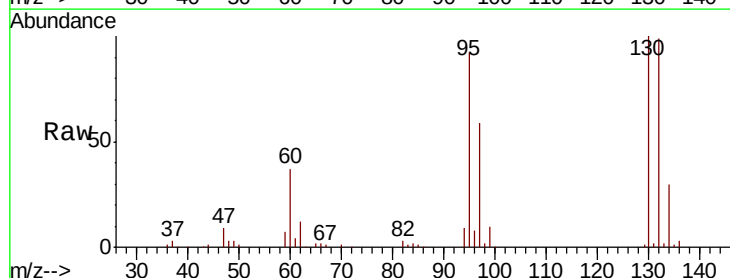
Manual Integrations
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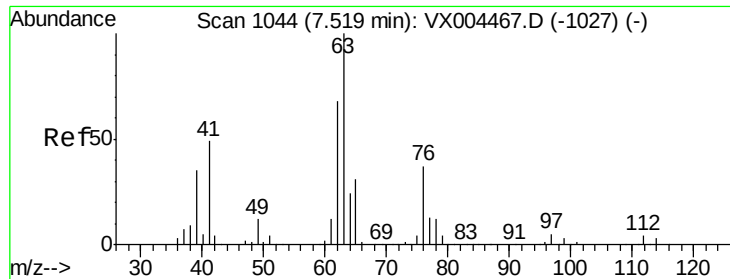
MMDadoda
9/17/2018 6:27:24 PM



#44
Trichloroethene
Concen: 19.73 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	181.6





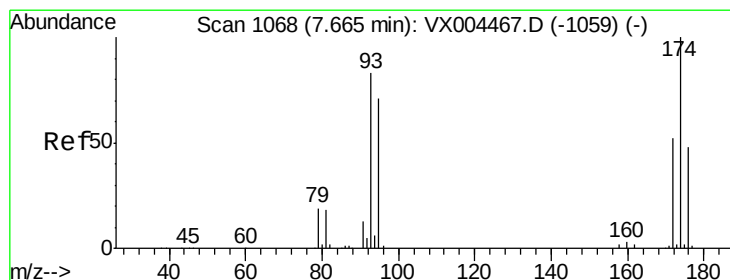
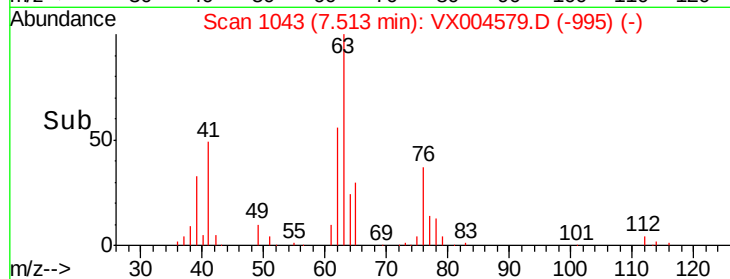
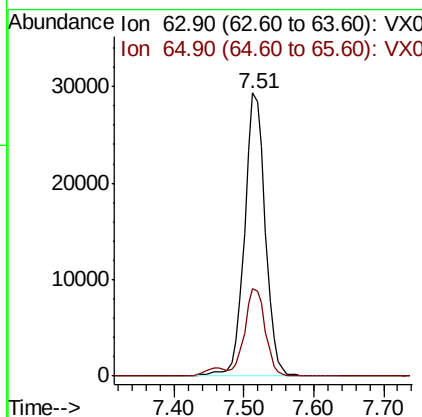
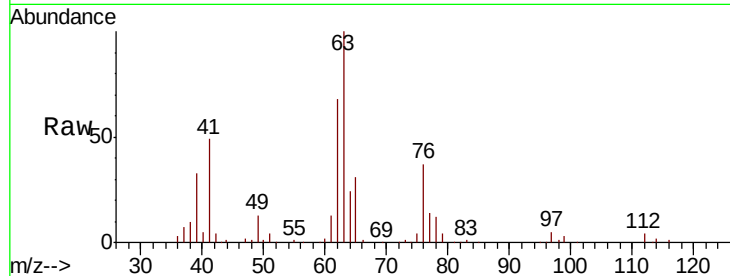
#45
 1,2-Dichloropropane
 Concen: 19.74 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.3	36.5

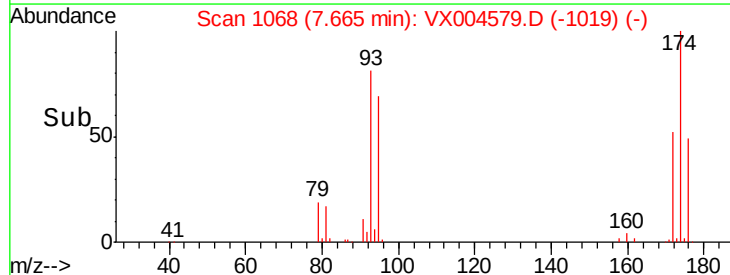
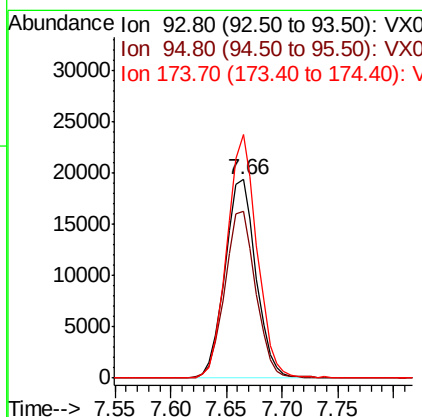
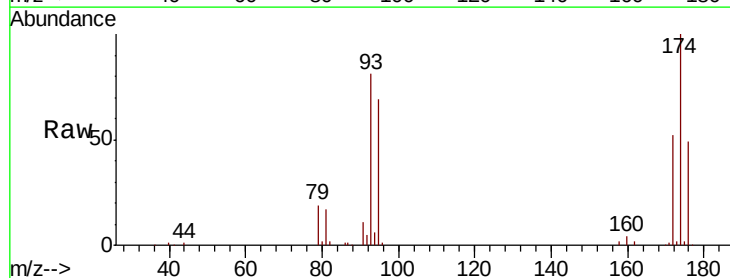
Manual Integrations
 APPROVED

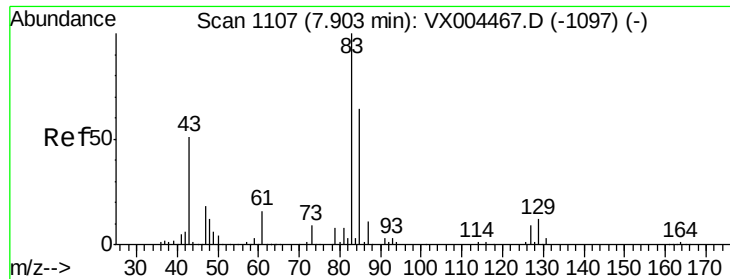
MMDadoda
 9/17/2018 6:27:24 PM



#46
 Dibromomethane
 Concen: 19.39 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.5	98.3
174	118.3	94.2	141.4





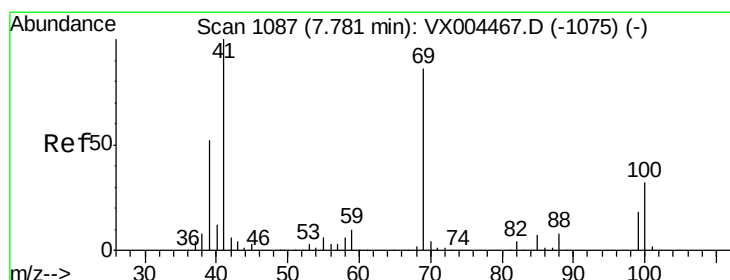
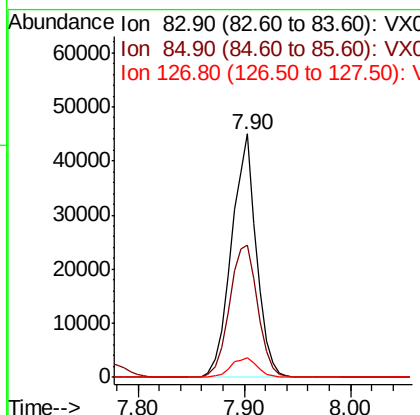
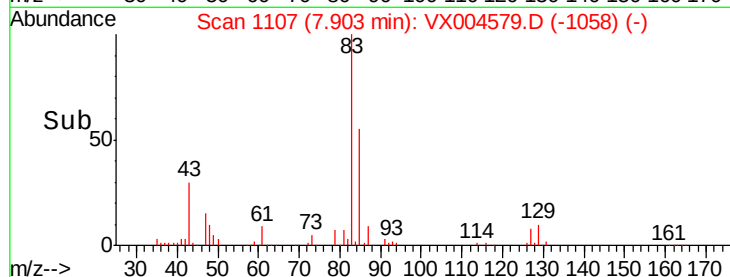
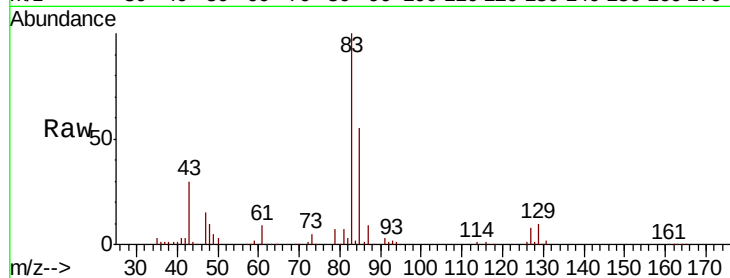
#47
Bromodichloromethane
Concen: 20.13 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	83	Resp	73611
Ion Ratio	100	Lower	Upper
83	100		
85	54.5	50.9	76.3
127	7.9	7.3	10.9

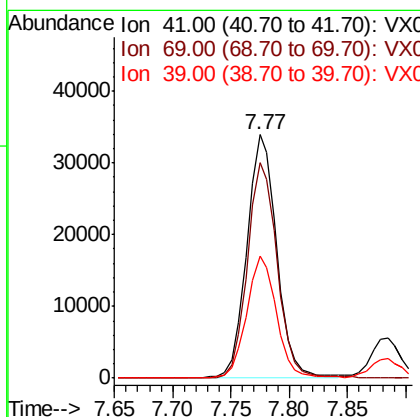
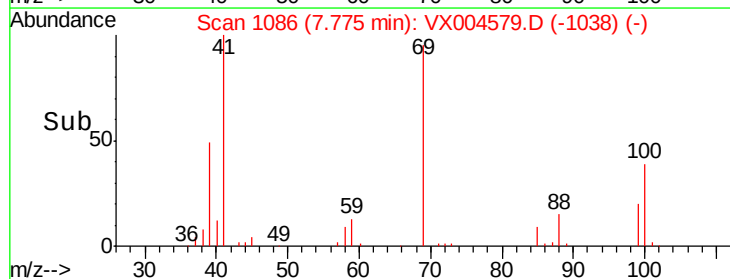
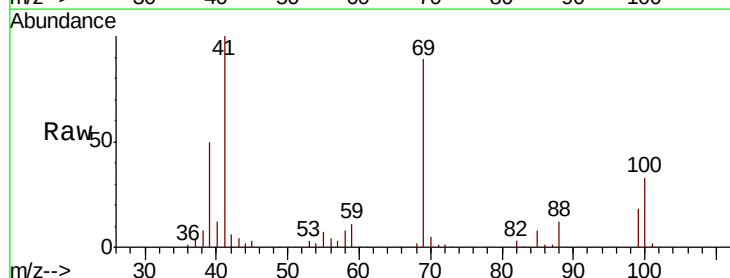
Manual Integrations
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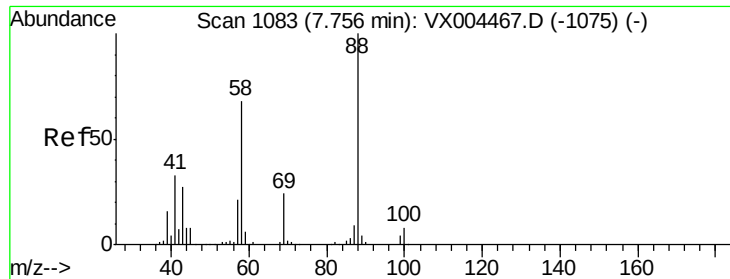
MMDadoda
9/17/2018 6:27:24 PM



#48
Methyl methacrylate
Concen: 18.87 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	41	Resp	60468
Ion Ratio	100	Lower	Upper
41	100		
69	89.1	70.2	105.4
39	50.4	42.7	64.1





#49

1,4-Dioxane

Concen: 389.88 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

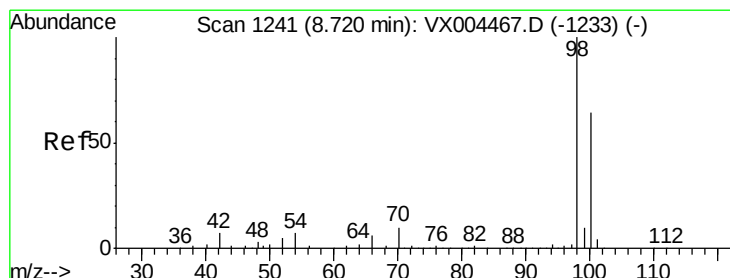
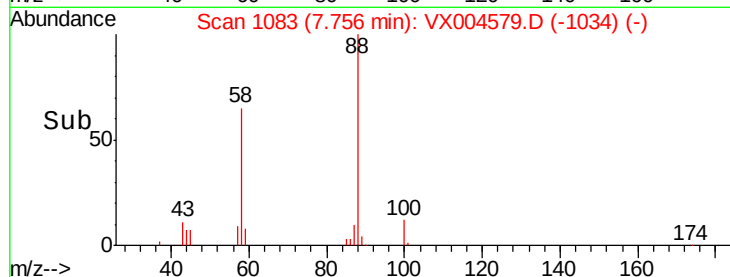
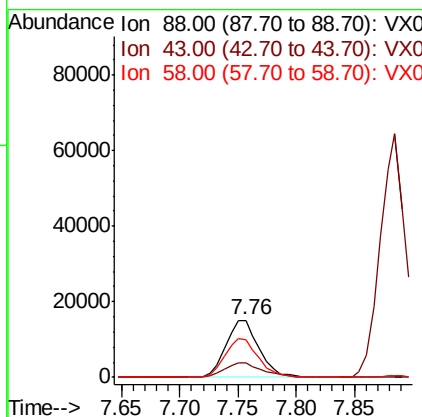
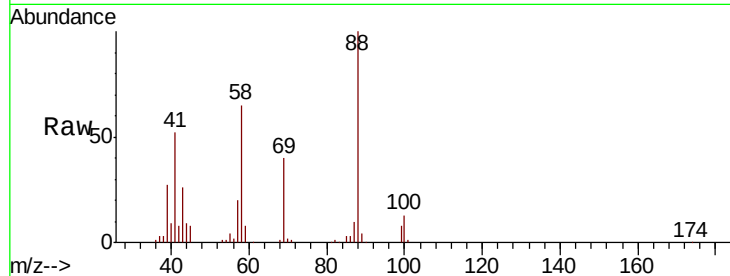
ClientSampleId :

VX0915WBS01

Tot Ion:	88	Resp:	29573
Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.7	37.1
58	69.9	55.3	82.9

Manual Integrations
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#50

Toluene-d8

Concen: 47.29 ug/l

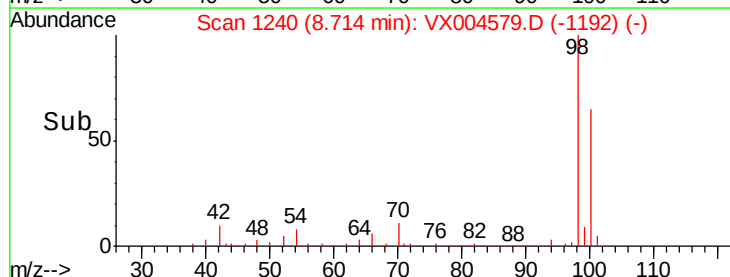
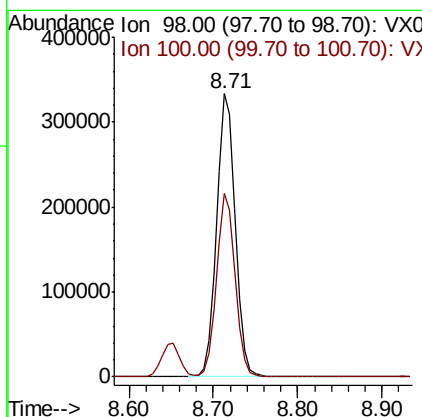
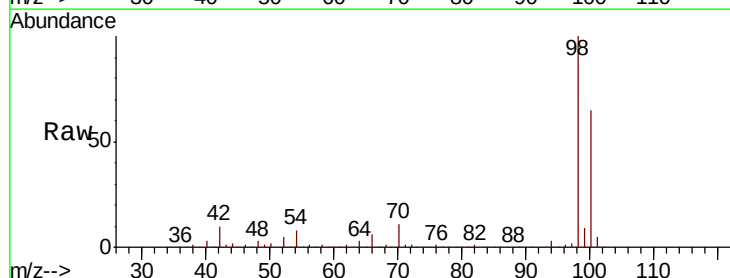
RT: 8.71 min Scan# 1240

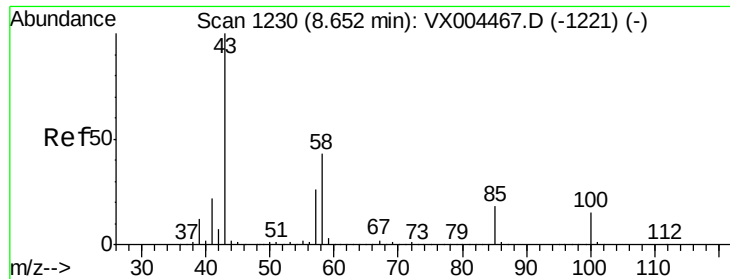
Delta R.T. -0.01 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Tgt Ion:	98	Resp:	512384
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 85.99 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBS01

Tot Ion: 43 Resp: 392950

Ion Ratio Lower Upper

43 100

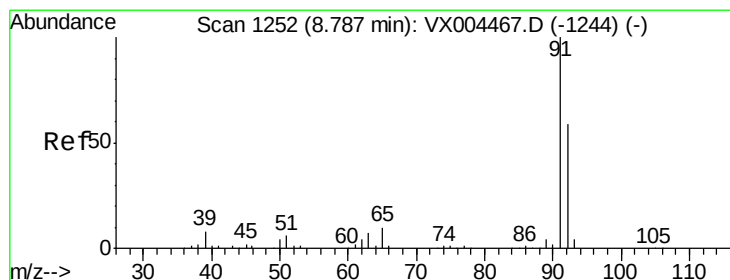
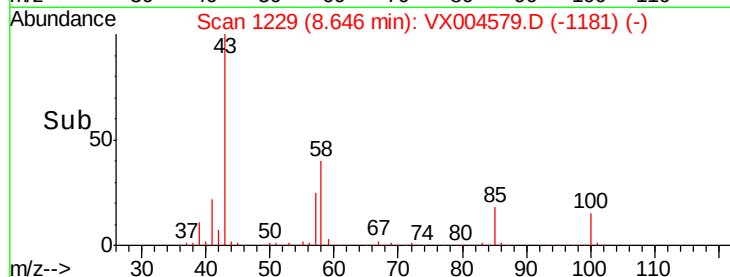
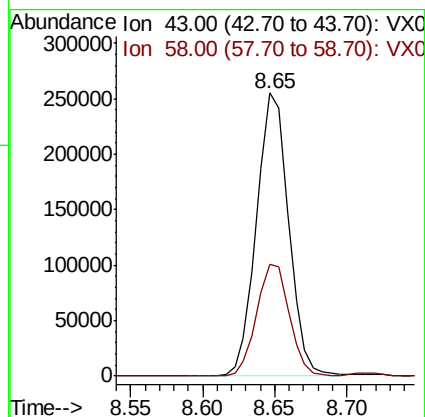
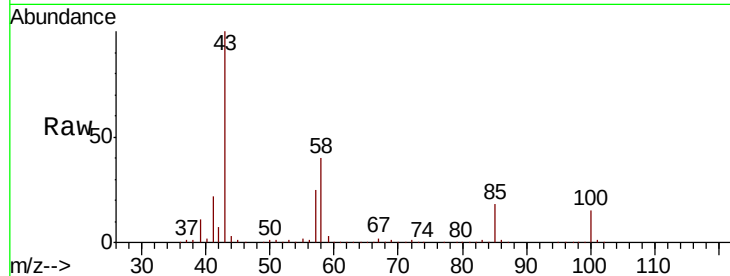
58 40.3 33.1 49.7

Manual Integrations

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#52

Toluene

Concen: 19.37 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004579.D

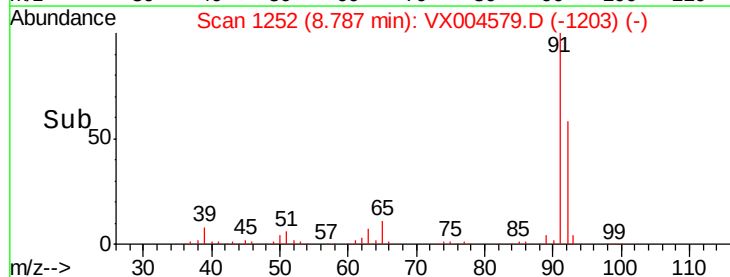
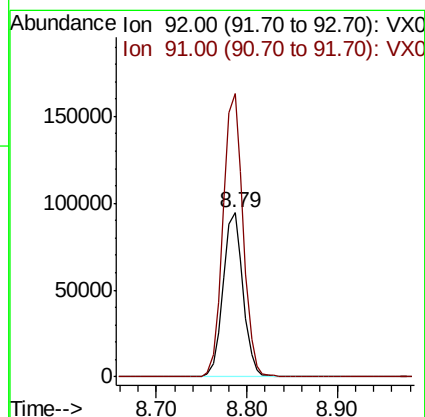
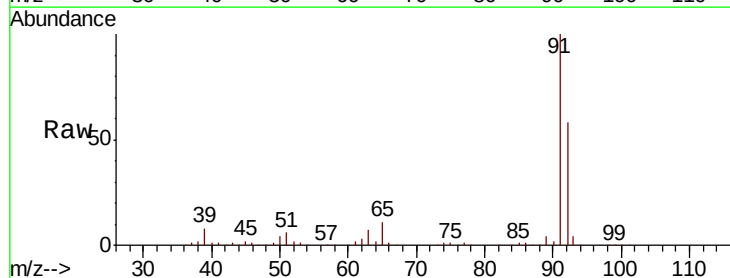
Acq: 15 Sep 2018 12:54

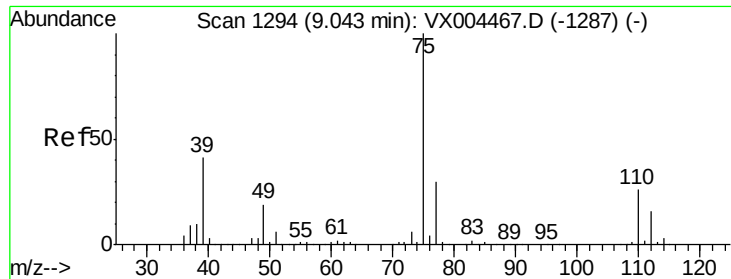
Tgt Ion: 92 Resp: 145128

Ion Ratio Lower Upper

92 100

91 173.2 136.4 204.6





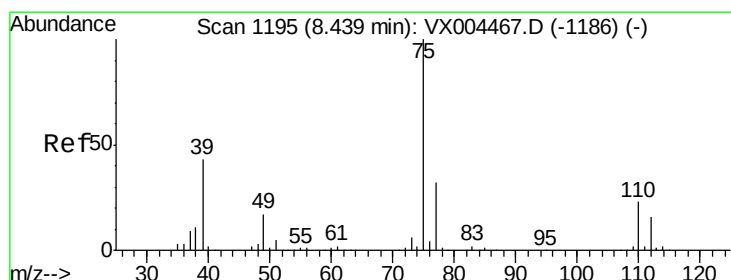
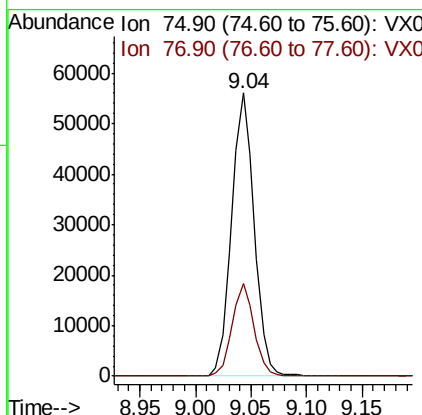
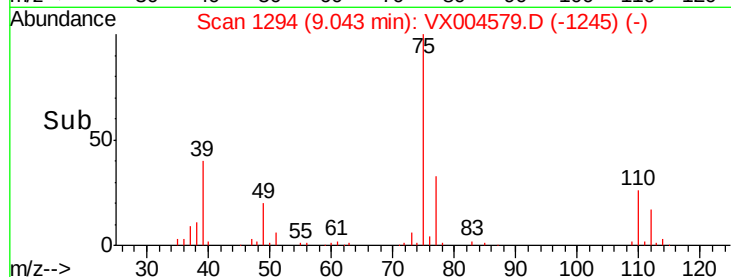
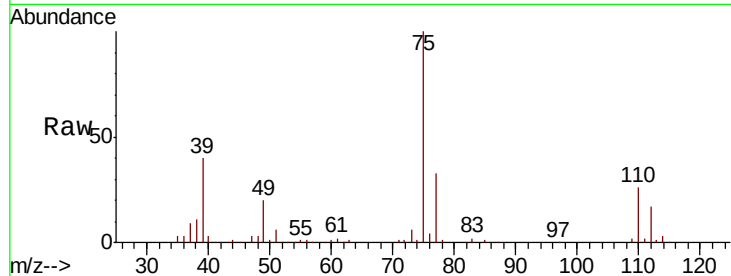
#53
 t-1,3-Dichloropropene
 Concen: 18.45 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBS01

Tot Ion: 75 Resp: 78807
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.6 37.0

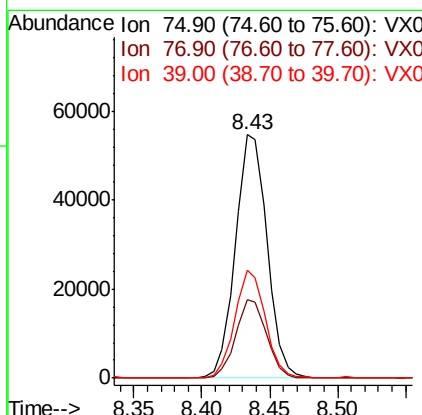
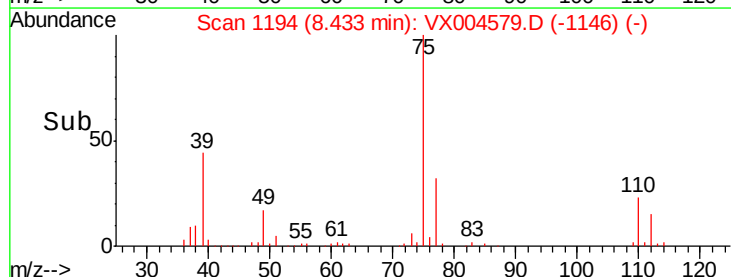
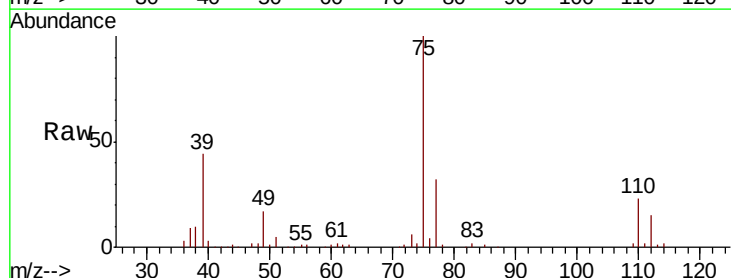
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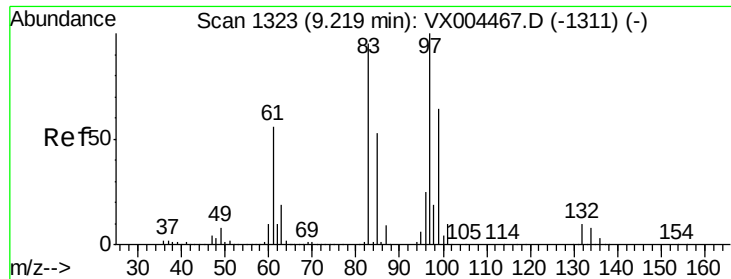
MMDadoda
 9/17/2018 6:27:24 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.41 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Tgt Ion: 75 Resp: 88888
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.2 39.2
 39 44.4 36.4 54.6





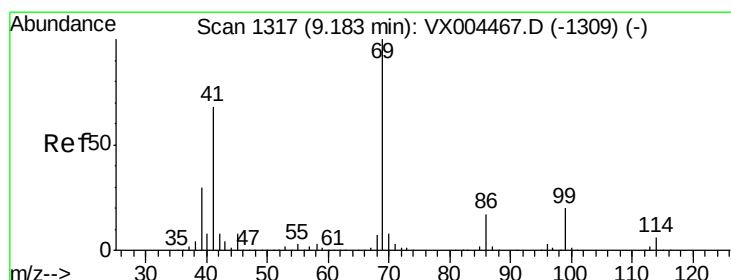
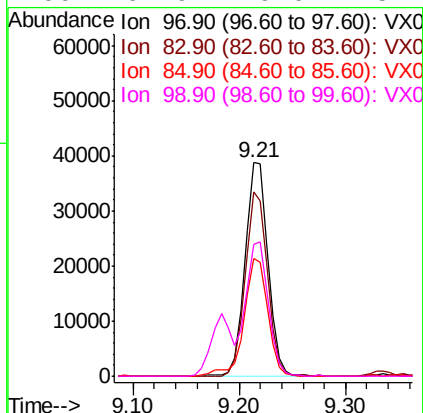
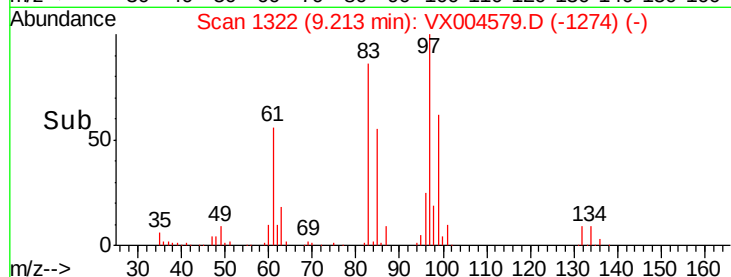
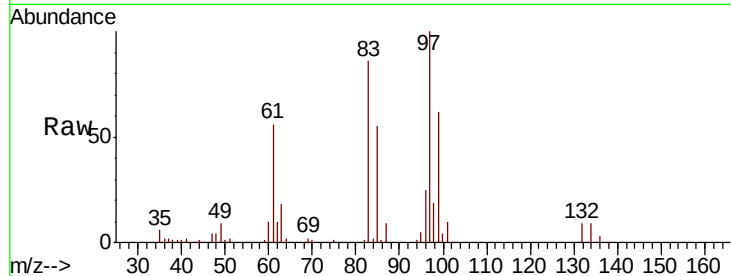
#55
1,1,2-Trichloroethane
Concen: 18.19 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion:	97	Resp:	58707
Ion Ratio	Lower	Upper	
97	100		
83	86.3	66.4	99.6
85	54.9	43.3	64.9
99	61.9	49.0	73.4

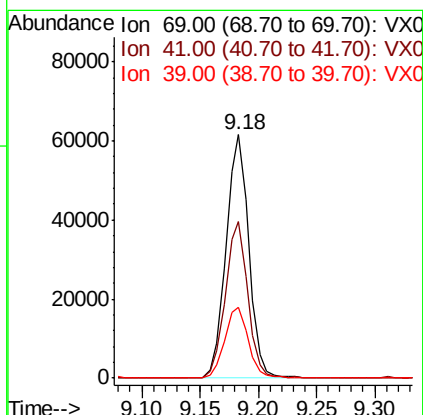
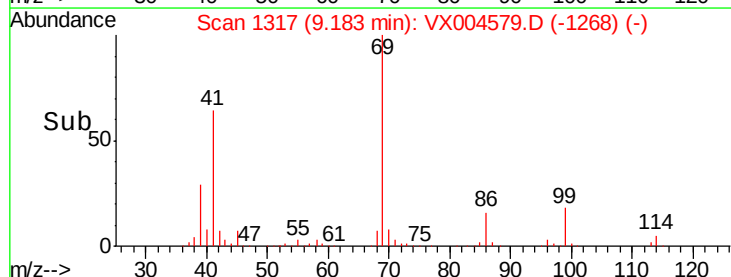
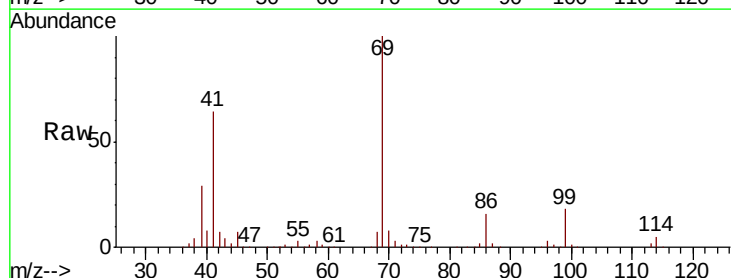
Manual Integrations
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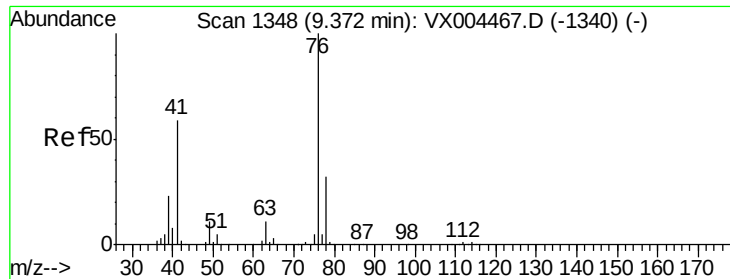
MMDadoda
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#56
Ethyl methacrylate
Concen: 18.27 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion:	69	Resp:	83381
Ion Ratio	Lower	Upper	
69	100		
41	63.0	51.0	76.4
39	29.8	26.1	39.1





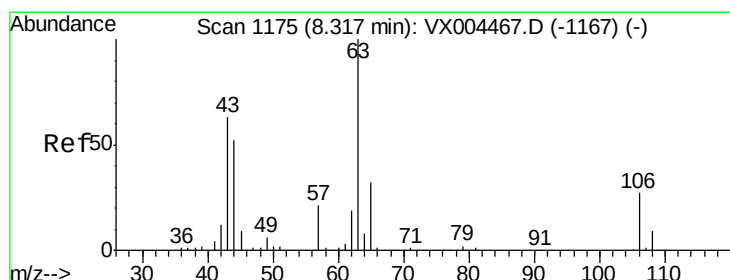
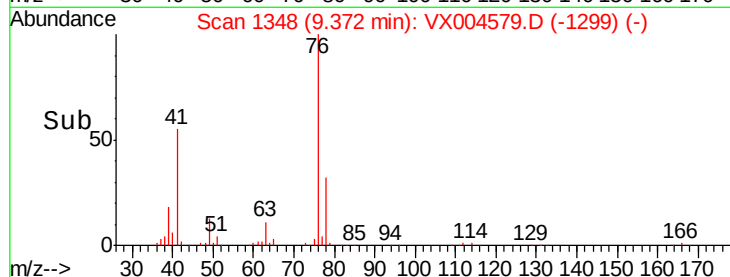
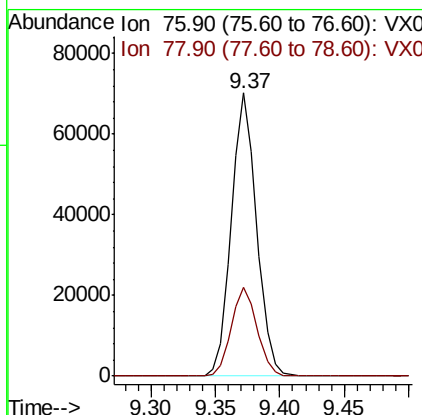
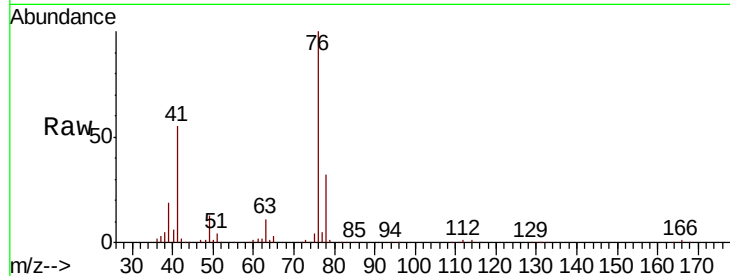
#57
 1,3-Dichloropropane
 Concen: 18.41 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

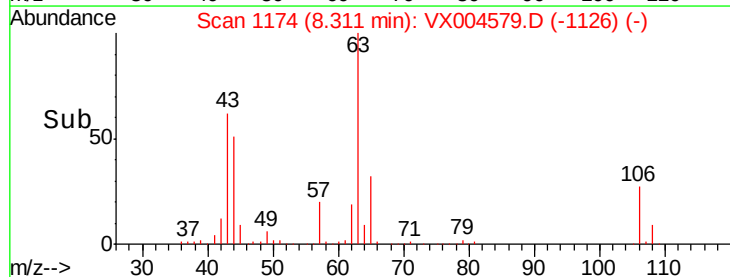
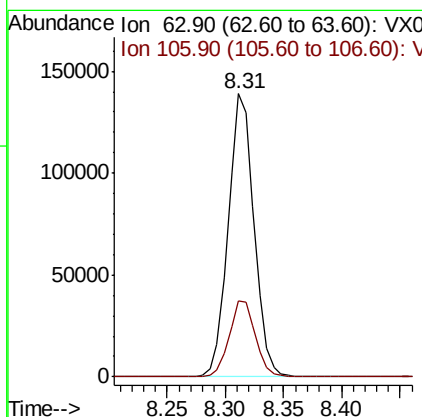
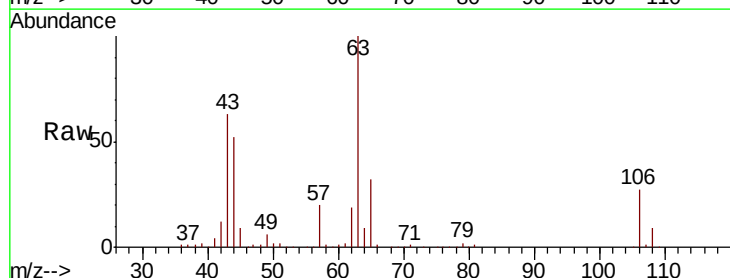
Manual Integrations
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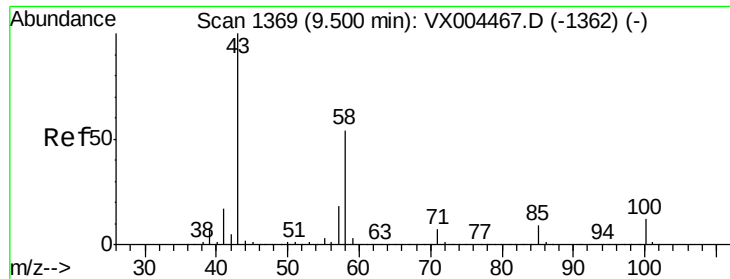
MMDadoda
 9/17/2018 6:27:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.64 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.4	23.9	35.9





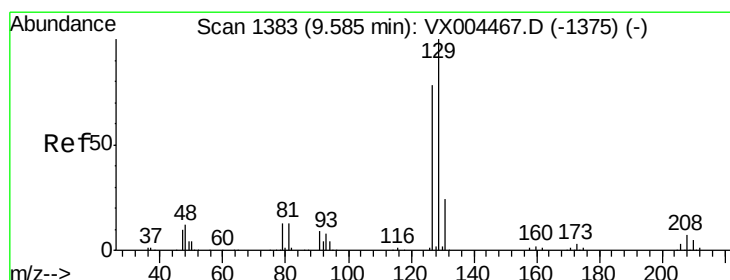
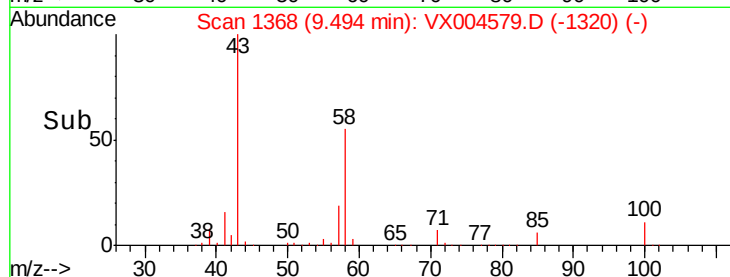
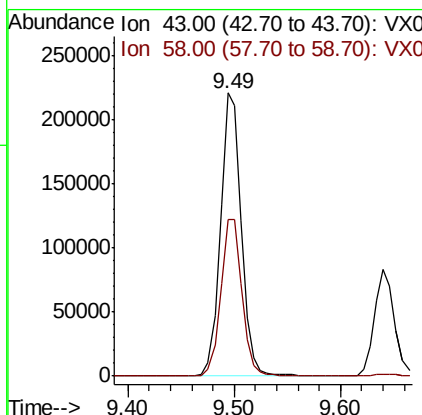
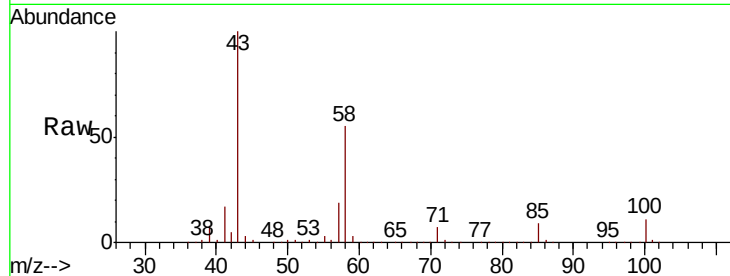
#59
2-Hexanone
Concen: 85.84 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	29.0	87.0

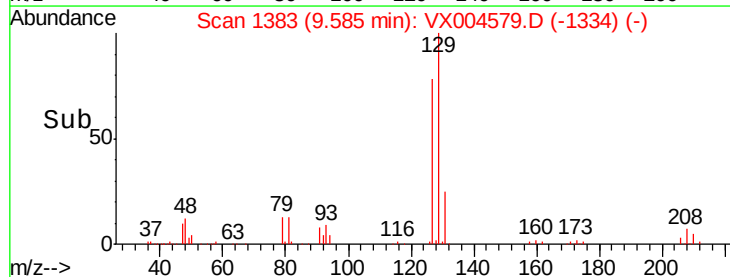
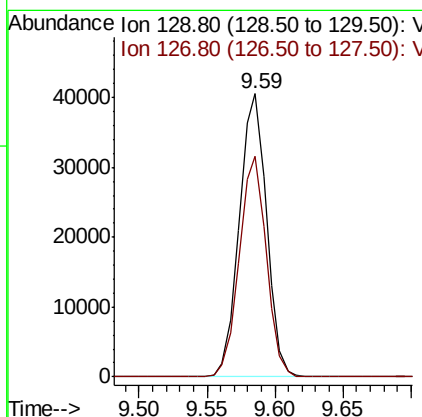
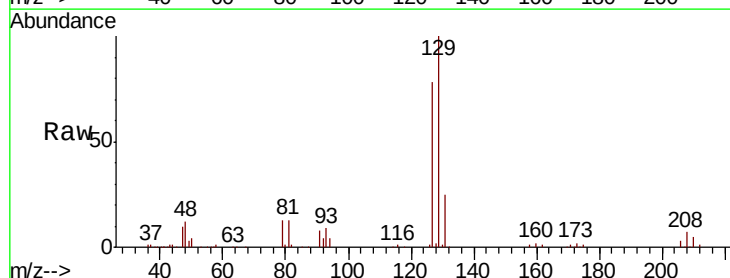
Manual Integrations
APPROVED

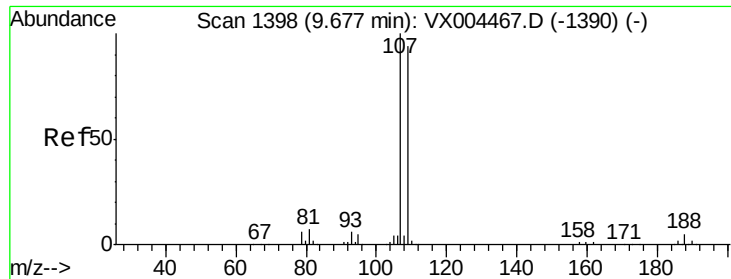
MMDadoda
9/17/2018 6:27:24 PM



#60
Dibromochloromethane
Concen: 18.67 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.25 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBS01

Tot Ion:107 Resp: 59348

Ion Ratio Lower Upper

107 100

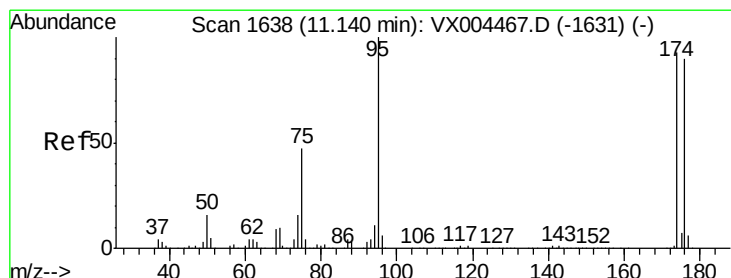
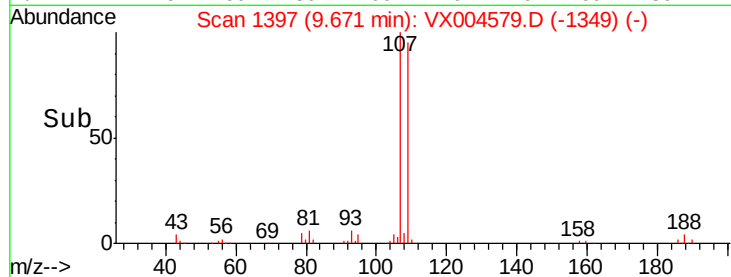
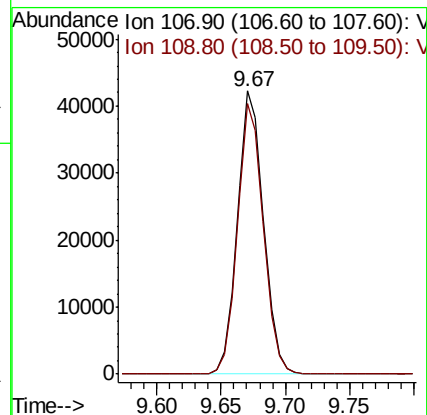
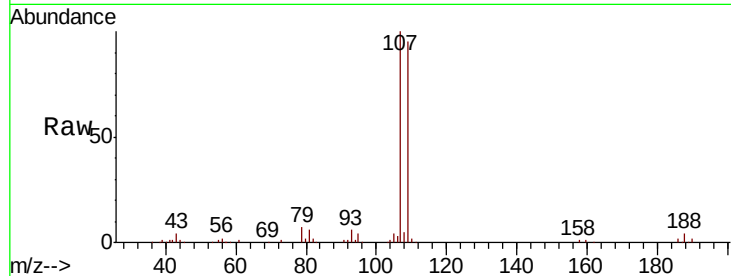
109 95.3 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

9/17/2018 6:27:24 PM



#62

4-Bromofluorobenzene

Concen: 48.28 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

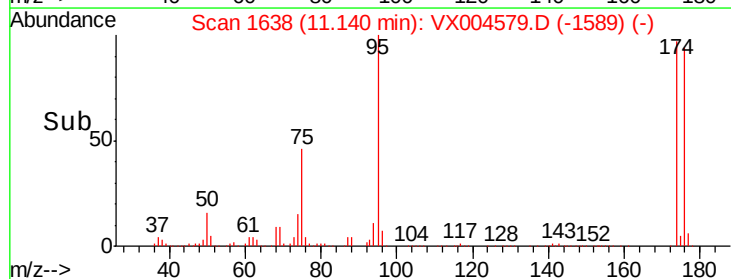
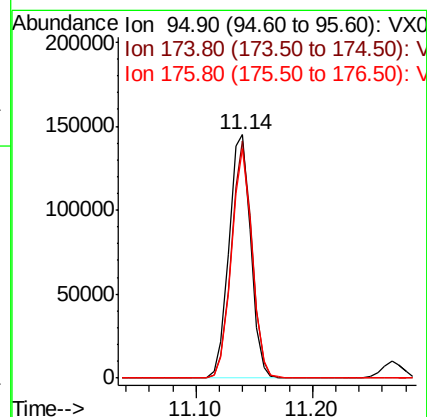
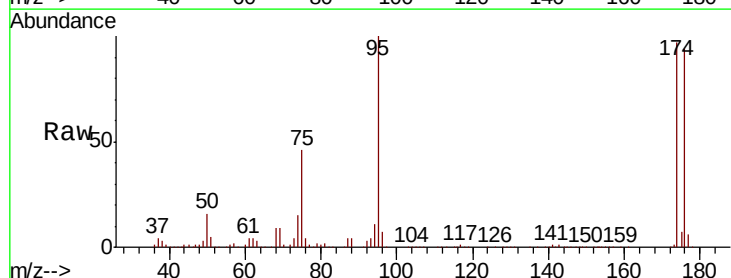
Tgt Ion: 95 Resp: 186751

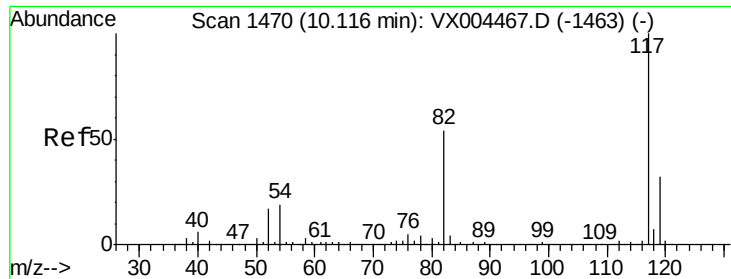
Ion Ratio Lower Upper

95 100

174 92.7 0.0 185.2

176 89.9 0.0 178.6





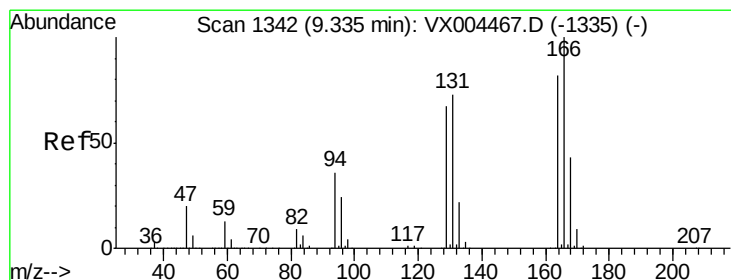
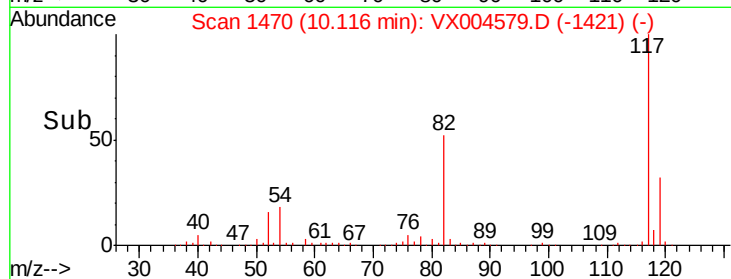
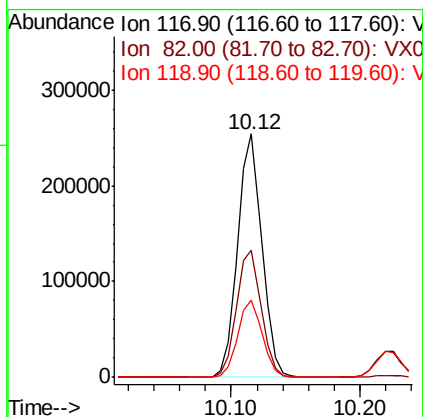
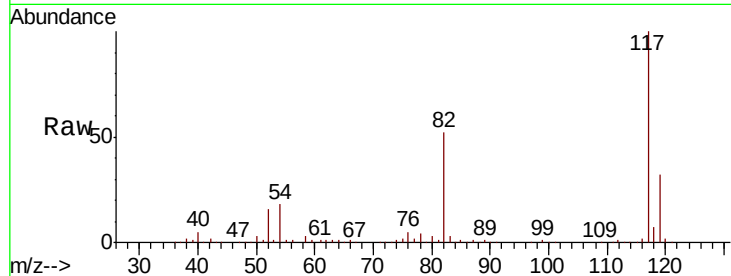
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	47.8	71.6
119	32.0	29.3	43.9

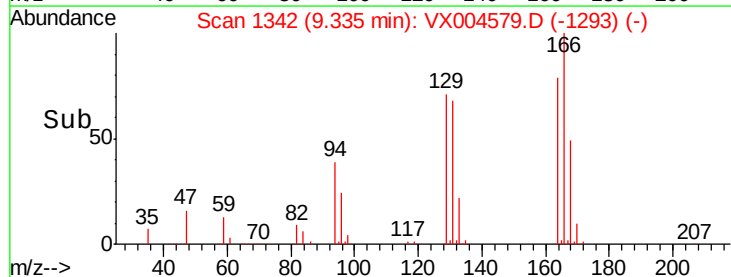
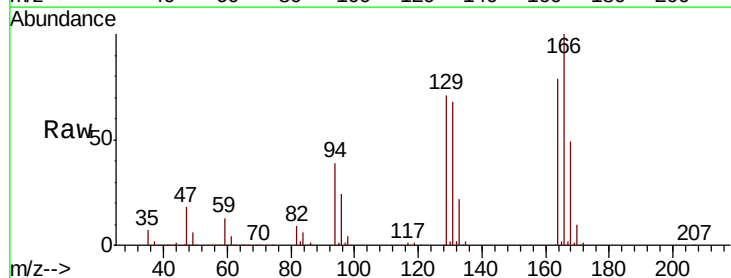
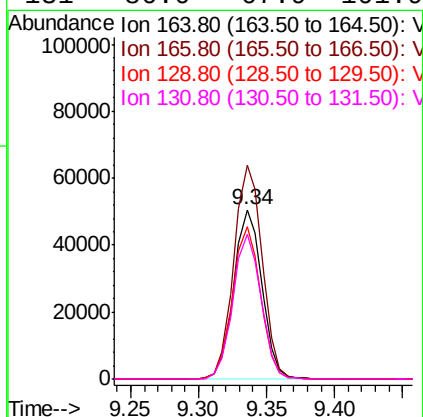
Manual Integrations
APPROVED

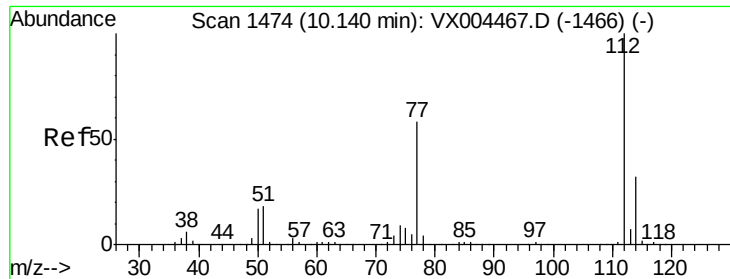
MMDadoda
9/17/2018 6:27:24 PM



#64
Tetrachloroethene
Concen: 17.62 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.8	154.2
129	90.3	69.4	104.0
131	86.0	67.9	101.9





#65

Chlorobenzene

Concen: 19.79 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampled :

VX0915WBS01

Tot Ion:112 Resp: 163404

Ion Ratio Lower Upper

112 100

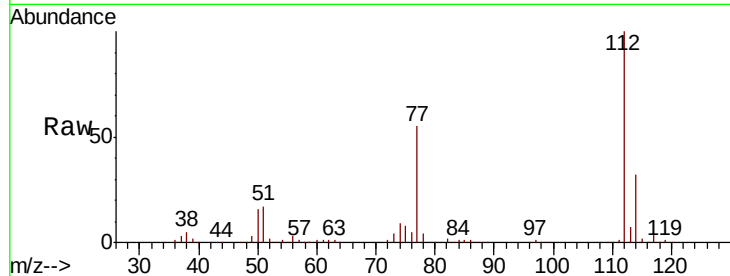
114 32.4 27.8 41.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

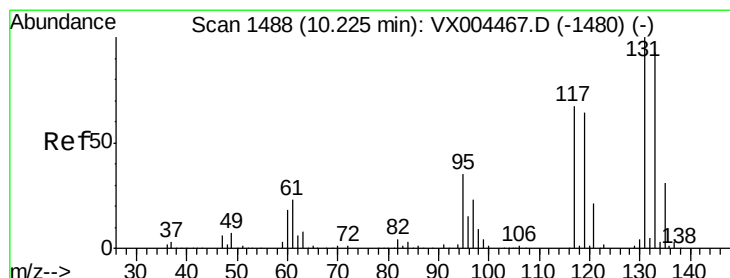
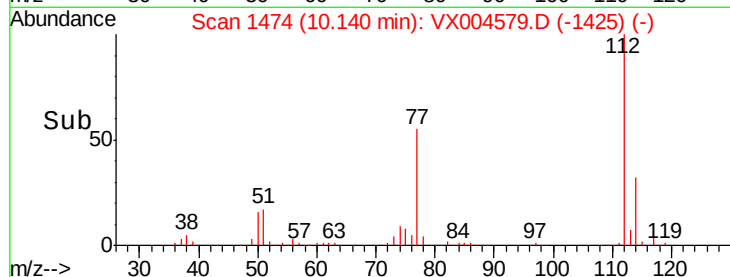
10.14

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.75 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

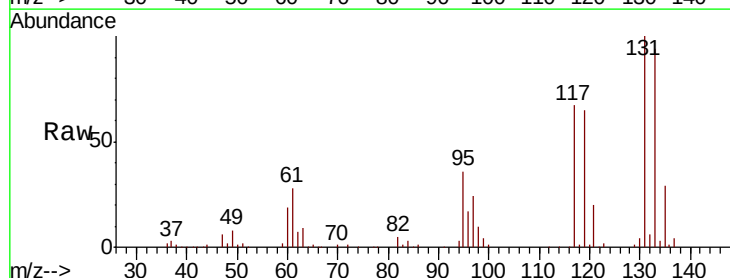
Tgt Ion:131 Resp: 56238

Ion Ratio Lower Upper

131 100

133 95.3 48.1 144.4

119 66.3 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.22

50000

40000

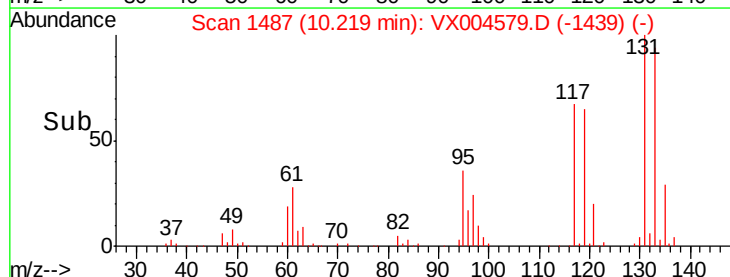
30000

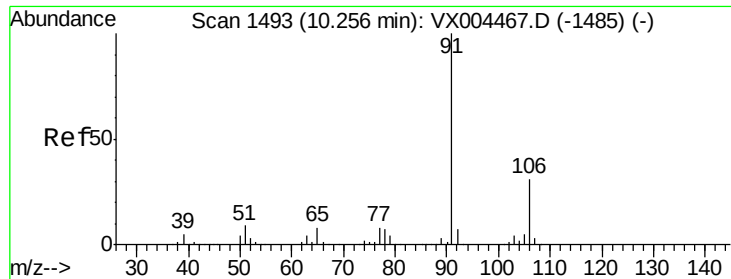
20000

10000

0

Time-->





#67

Ethyl Benzene

Concen: 20.40 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBS01

Tot Ion: 91 Resp: 273911

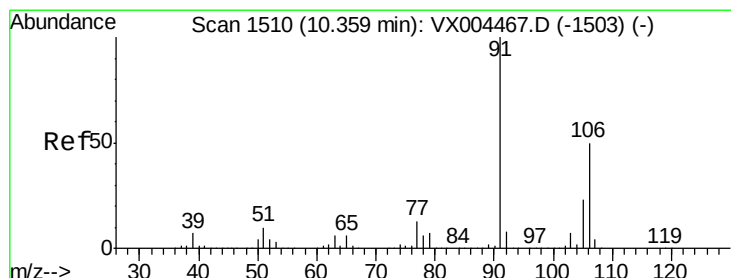
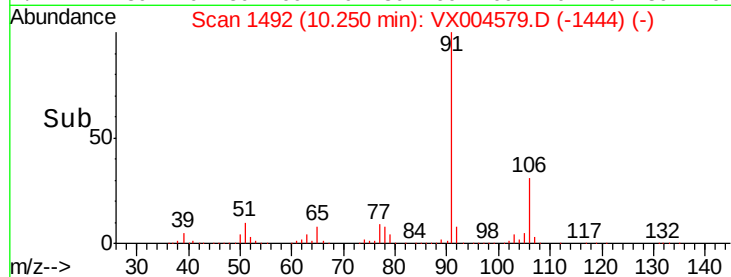
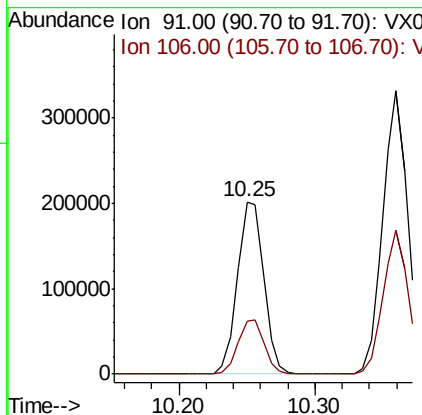
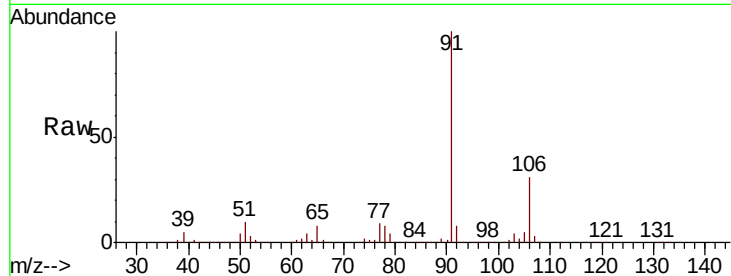
Ion Ratio Lower Upper

91 100

106 30.7 25.9 38.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.57 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004579.D

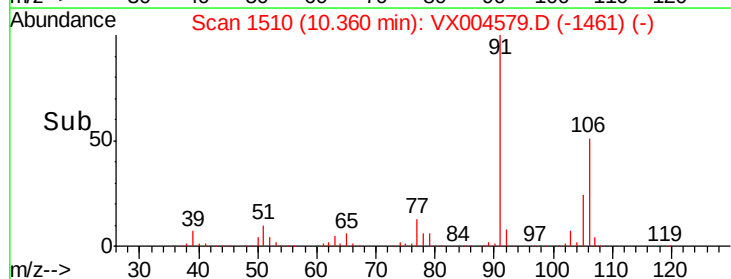
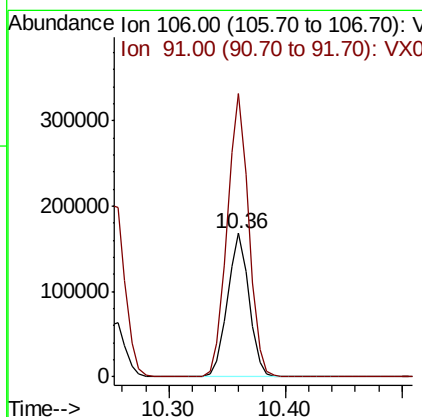
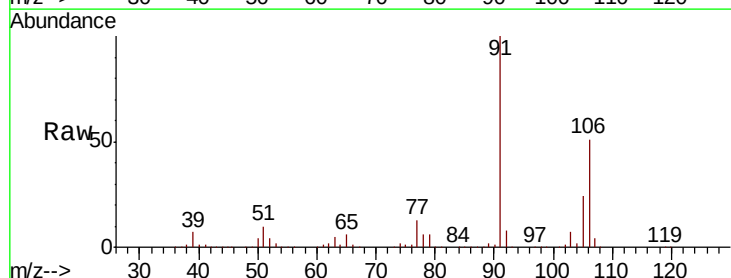
Acq: 15 Sep 2018 12:54

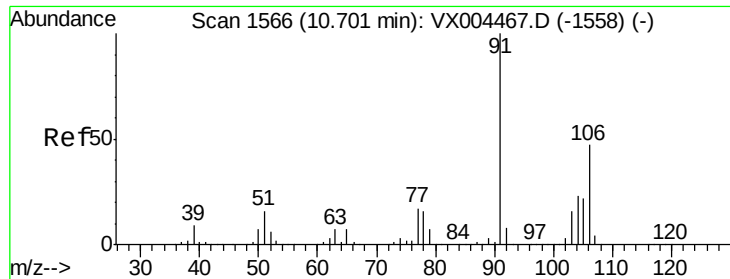
Tgt Ion: 106 Resp: 214939

Ion Ratio Lower Upper

106 100

91 198.1 157.1 235.7





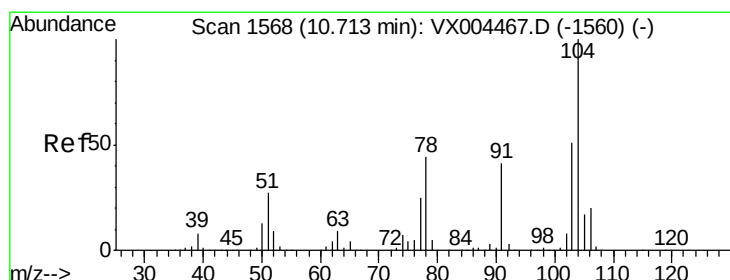
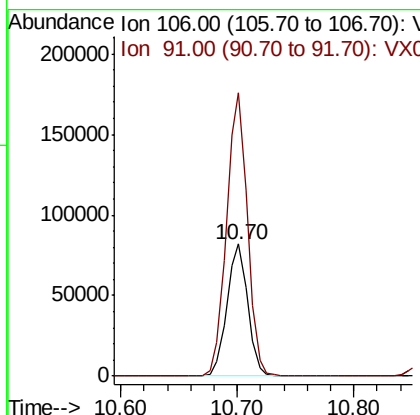
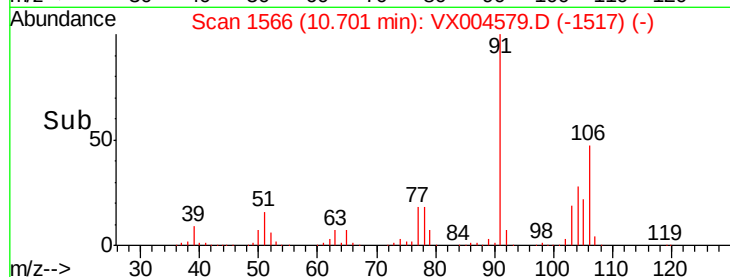
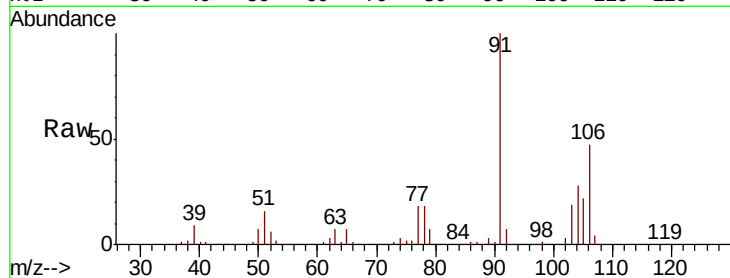
#69
o-Xylene
Concen: 20.37 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.9	105.1	315.1

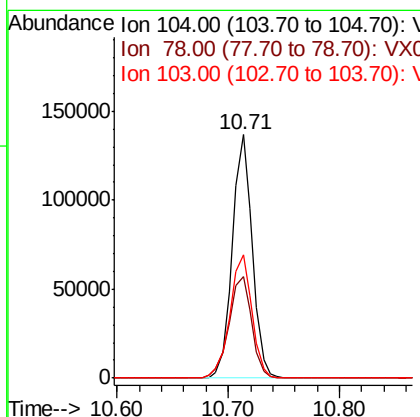
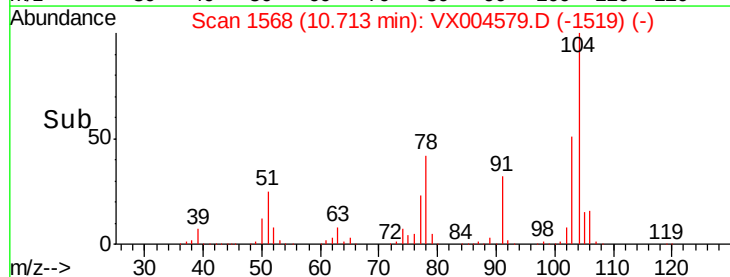
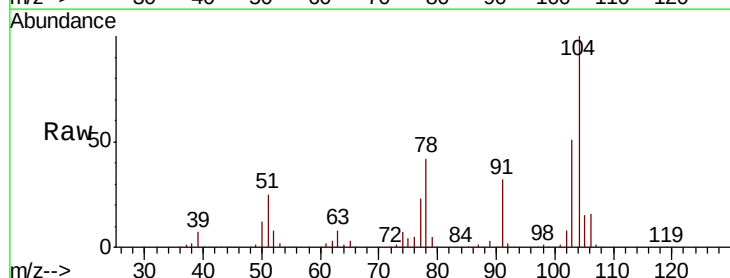
Manual Integrations
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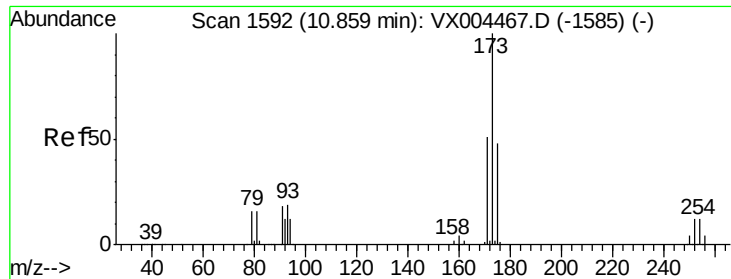
MMDadoda
9/17/2018 6:27:24 PM



#70
Styrene
Concen: 20.57 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	37.4	56.0
103	55.7	43.8	65.6





#71

Bromoform

Concen: 18.52 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBS01

Tot Ion:173 Resp: 43297

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.3

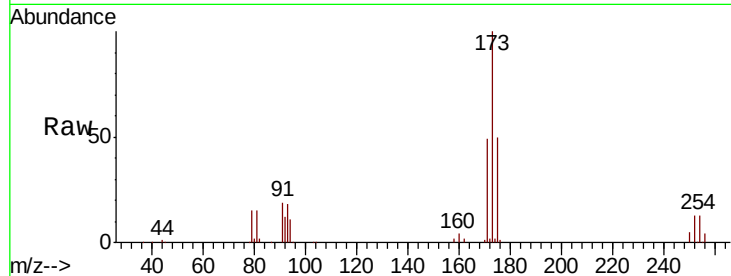
254 0.1 0.2 0.2#

Manual Integrations

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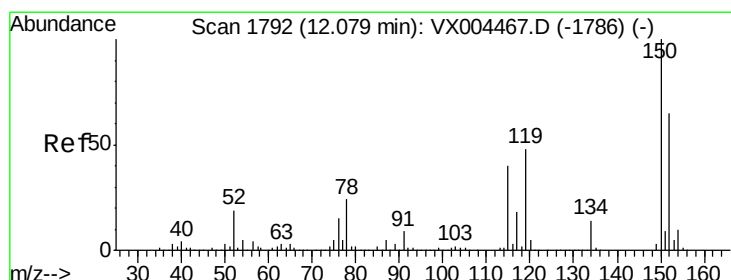
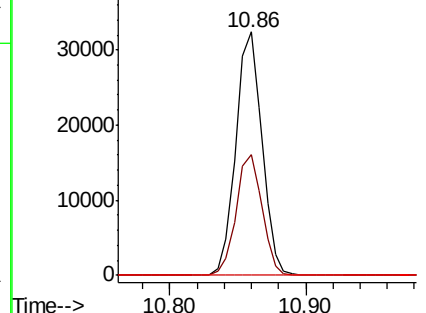
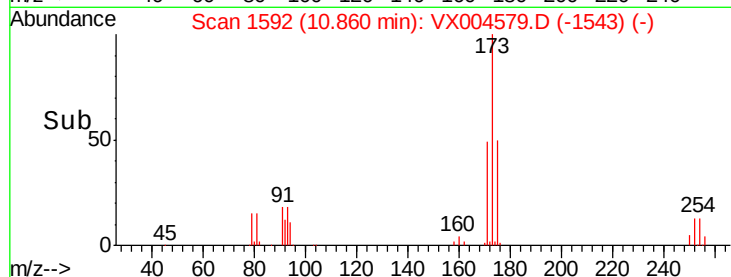
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

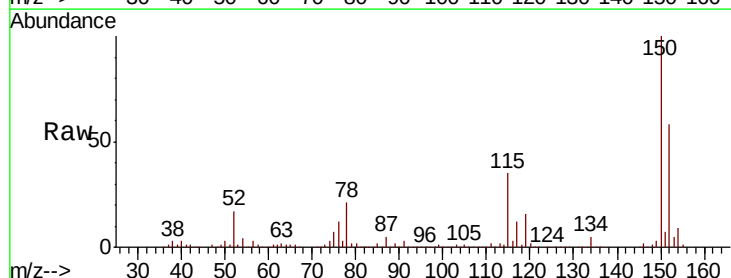
Tgt Ion:152 Resp: 237752

Ion Ratio Lower Upper

152 100

115 62.4 39.0 117.0

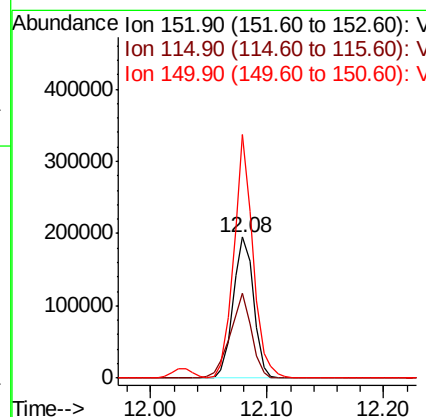
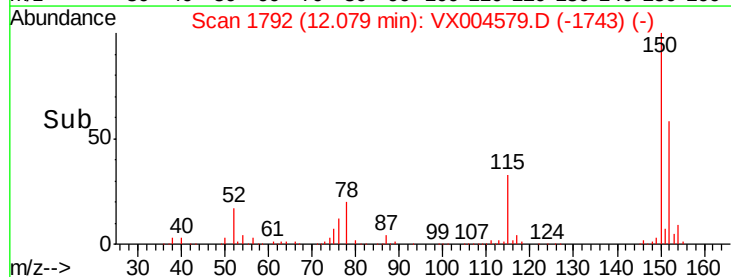
150 161.2 0.0 351.0

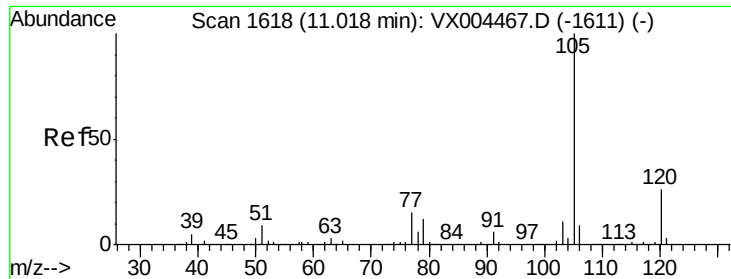


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.86 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampled :

VX0915WBS01

Tot Ion: 105 Resp: 279721

Ion Ratio Lower Upper

105 100

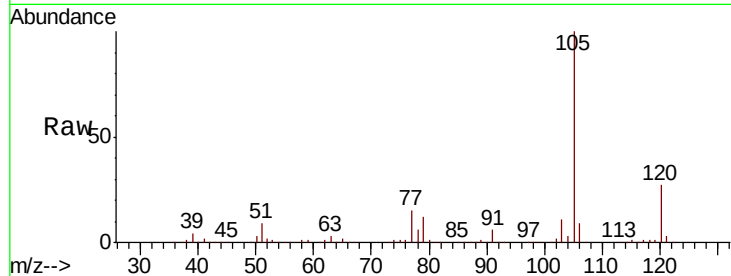
120 26.9 13.5 40.4

Manual Integrations

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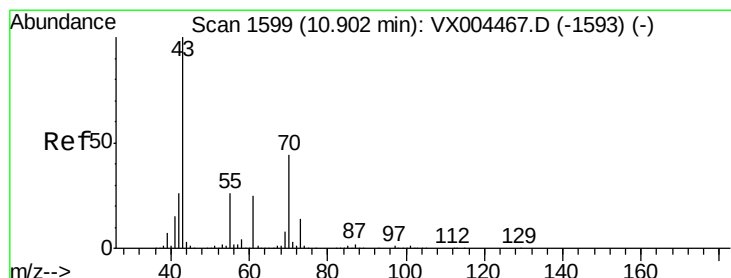
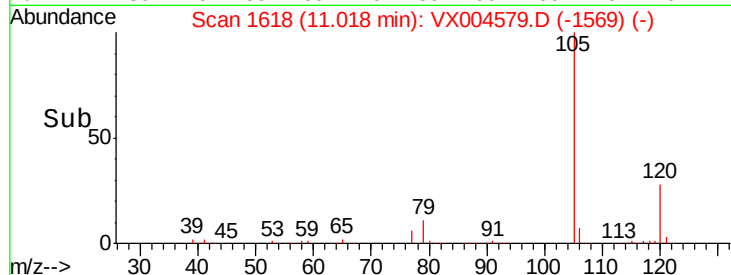
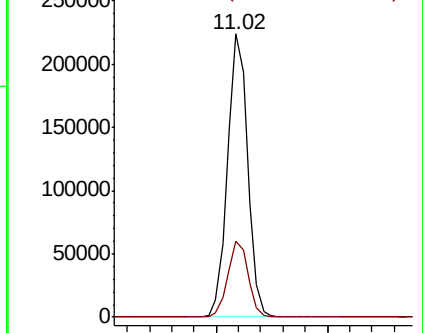
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.08 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Tgt Ion: 43 Resp: 105985

Ion Ratio Lower Upper

43 100

70 43.5 37.4 56.0

55 27.3 21.8 32.8

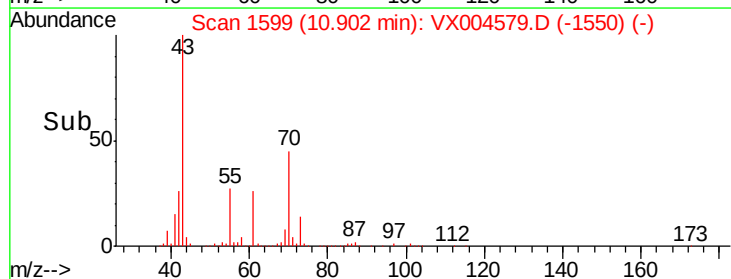
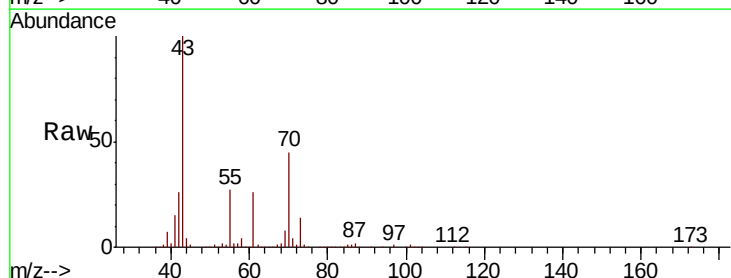
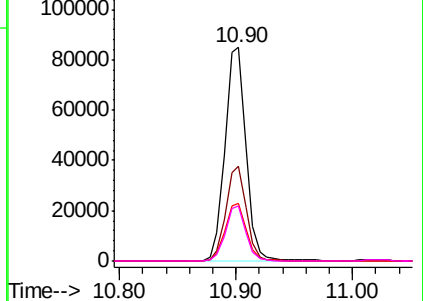
61 24.9 20.6 30.8

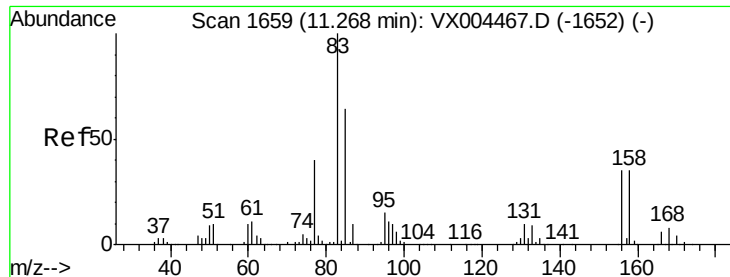
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





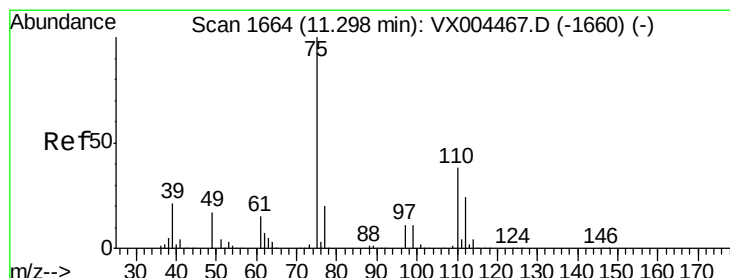
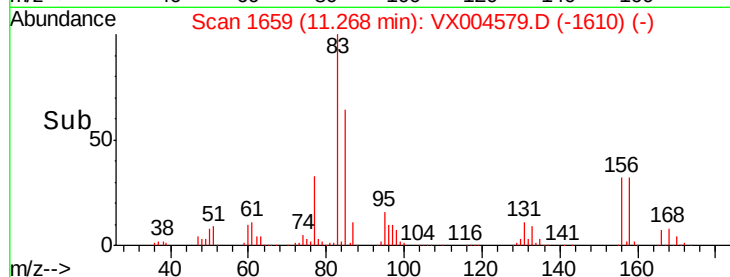
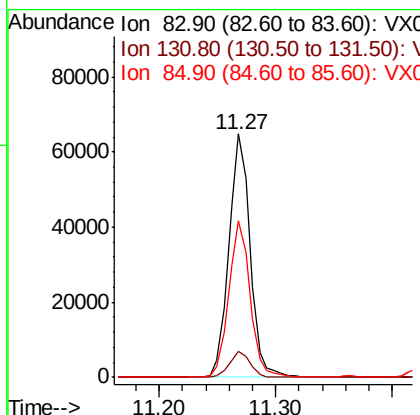
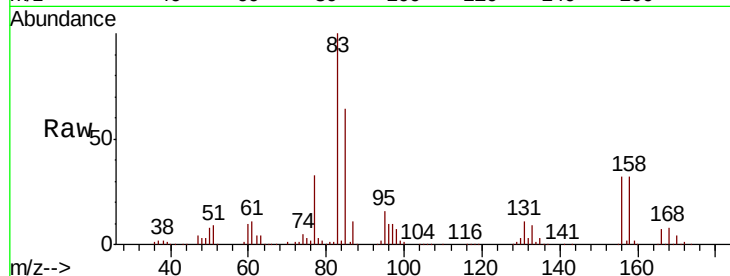
#75
 1,1,2,2-Tetrachloroethane
 Concen: 16.30 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.3	5.2	15.6	
85	64.7	32.3	96.8	

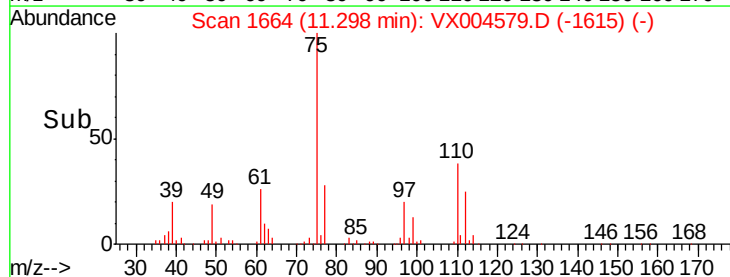
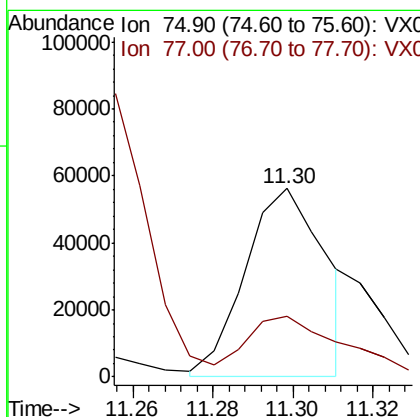
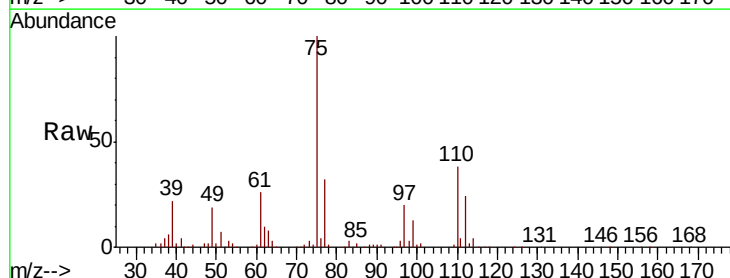
Manual Integrations
 APPROVED

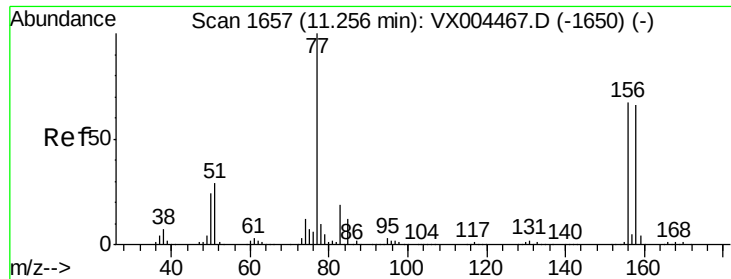
MMDadoda
 9/17/2018 6:27:24 PM



#76
 1,2,3-Trichloropropane
 Concen: 16.30 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	39.2	20.2	60.6	





#77

Bromobenzene

Concen: 17.06 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampled :

VX0915WBS01

Tot Ion:156 Resp: 73830

Ion Ratio Lower Upper

156 100

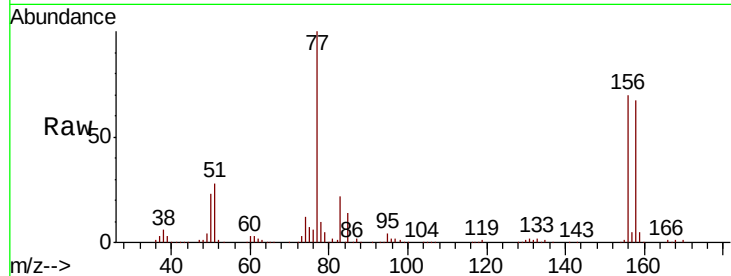
77 146.3 71.5 214.3

158 97.7 48.9 146.8

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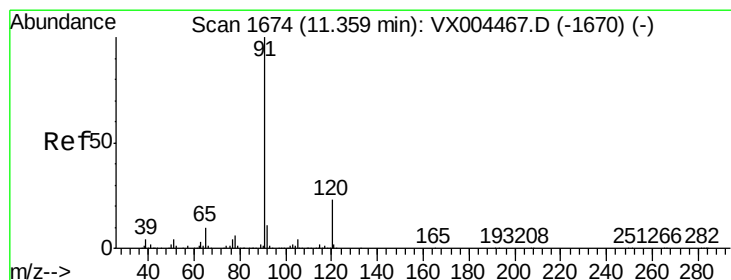
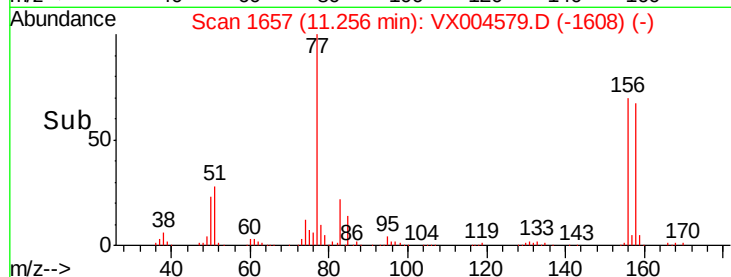
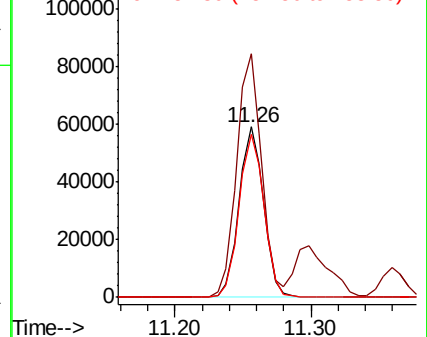
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.87 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004579.D

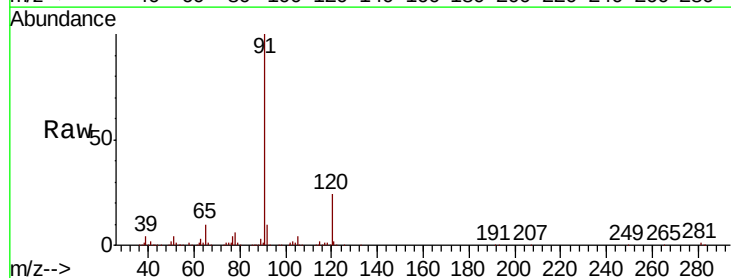
Acq: 15 Sep 2018 12:54

Tgt Ion: 91 Resp: 321779

Ion Ratio Lower Upper

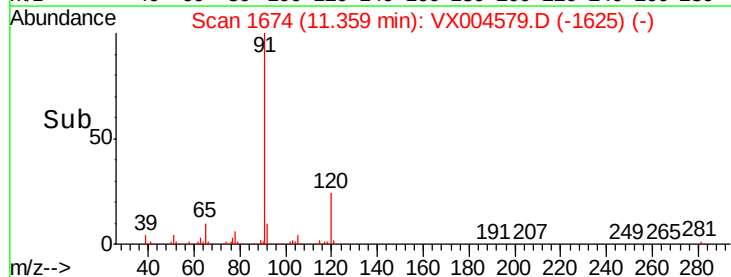
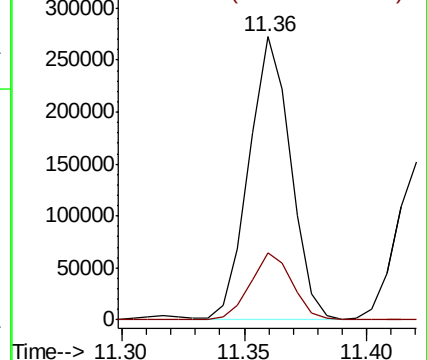
91 100

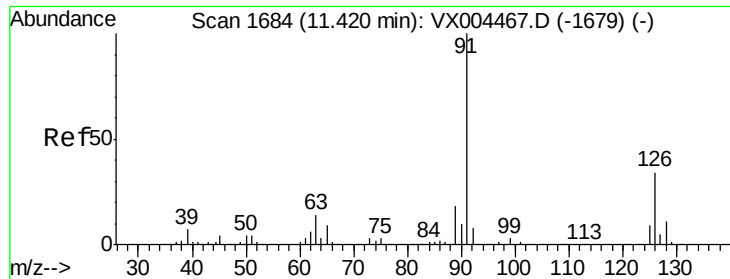
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.37 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBS01

Tot Ion: 91 Resp: 189648

Ion Ratio Lower Upper

91 100

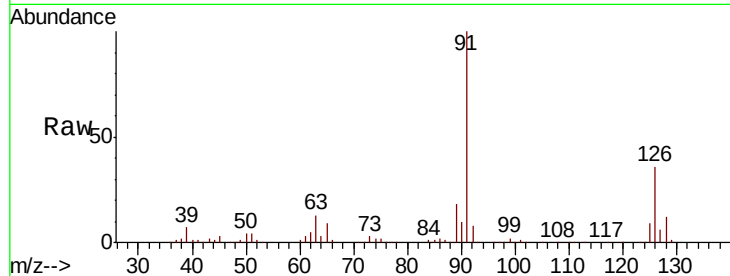
126 35.9 17.9 53.7

Manual Integrations

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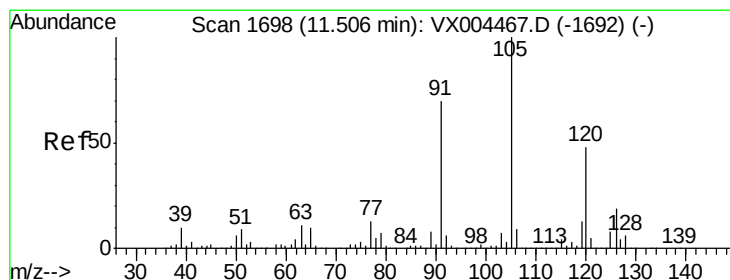
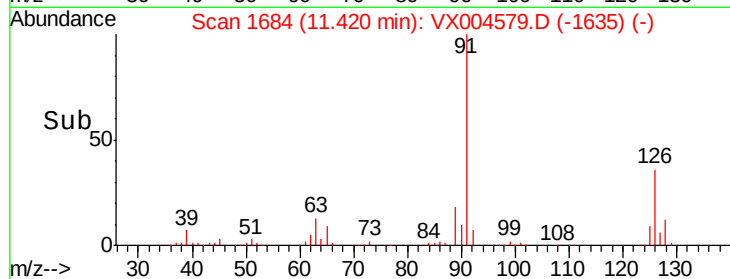
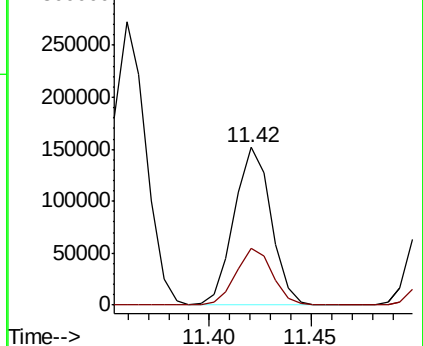
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.04 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004579.D

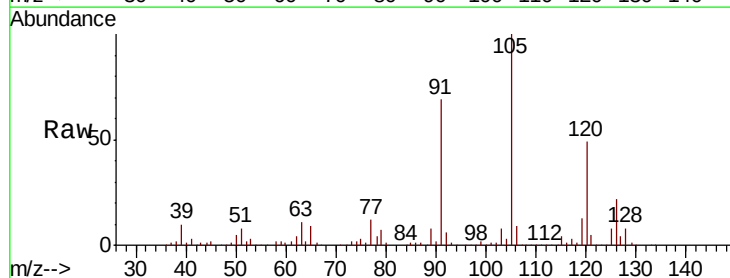
Acq: 15 Sep 2018 12:54

Tgt Ion:105 Resp: 237477

Ion Ratio Lower Upper

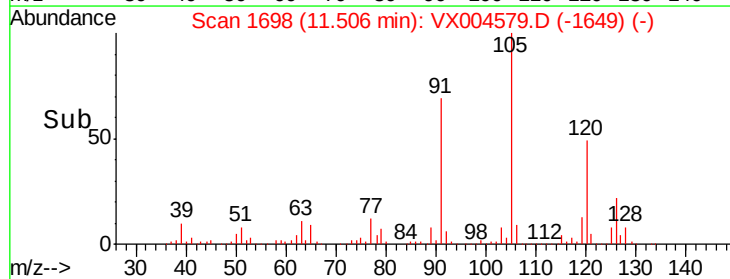
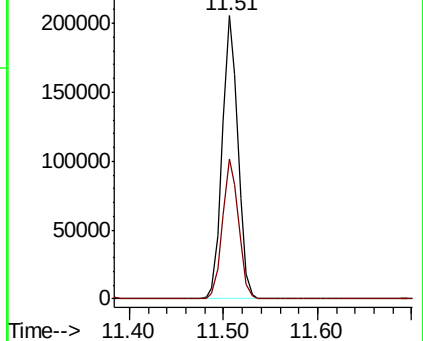
105 100

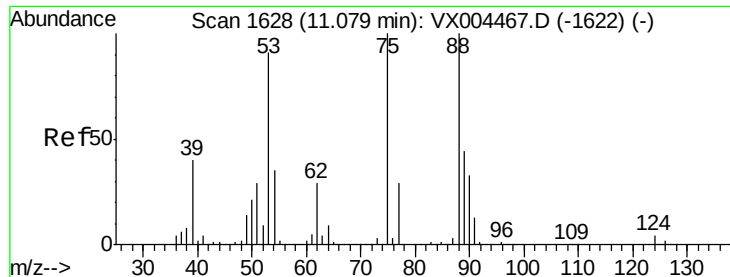
120 50.1 25.6 76.8



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: 16.26 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBS01

Tot Ion: 75 Resp: 24395

Ion Ratio Lower Upper

75 100

53 97.3 80.1 120.1

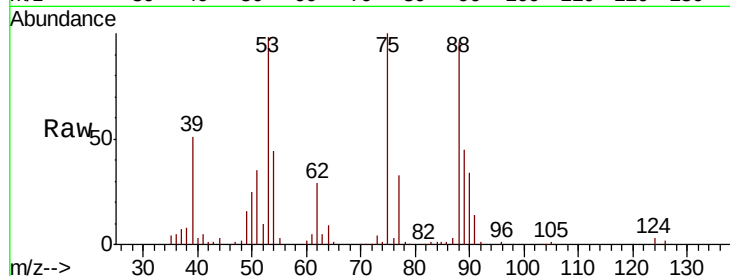
89 45.1 37.2 55.8

Manual Integrations

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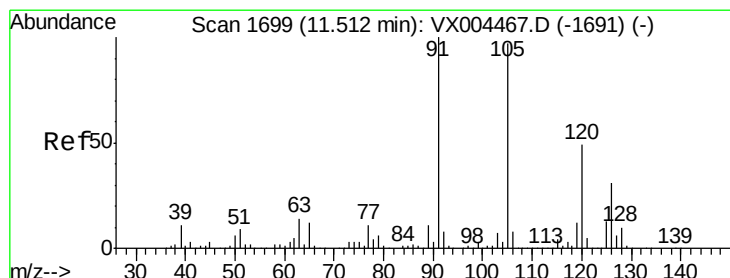
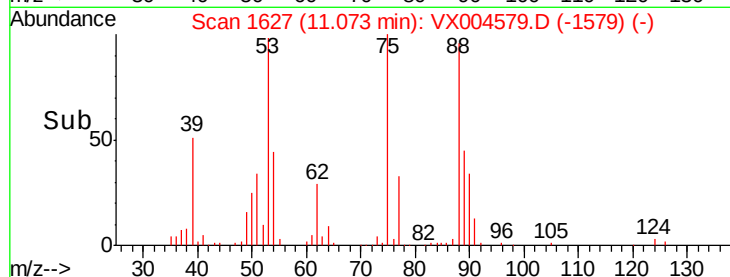
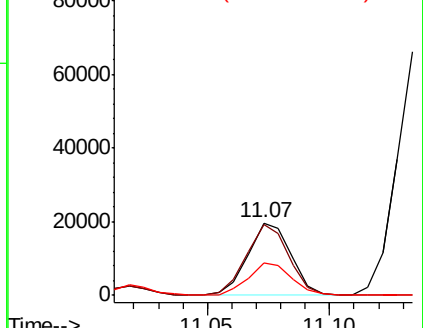
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 17.58 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004579.D

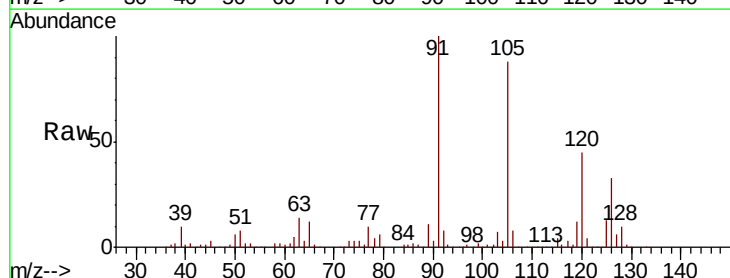
Acq: 15 Sep 2018 12:54

Tgt Ion: 91 Resp: 223993

Ion Ratio Lower Upper

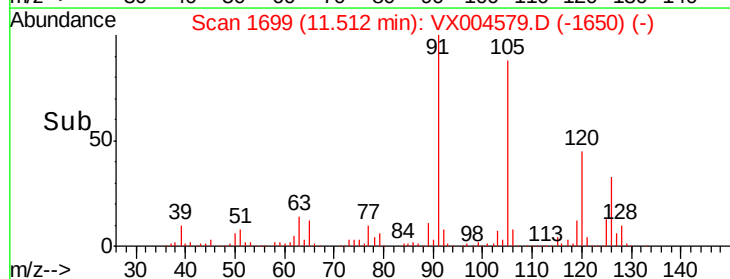
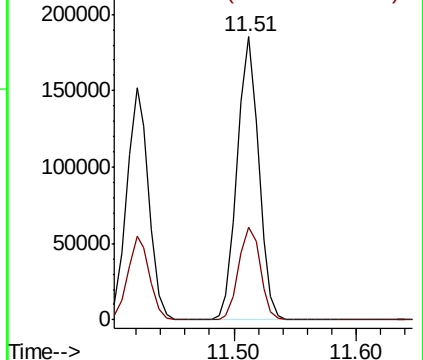
91 100

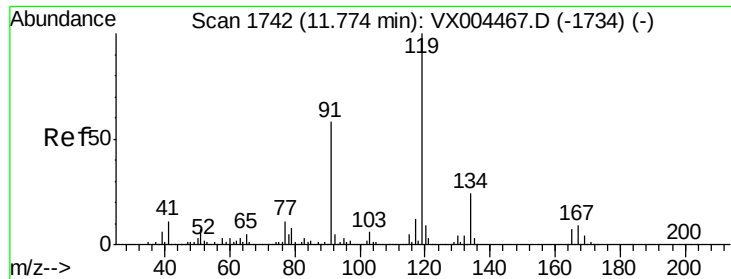
126 33.2 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





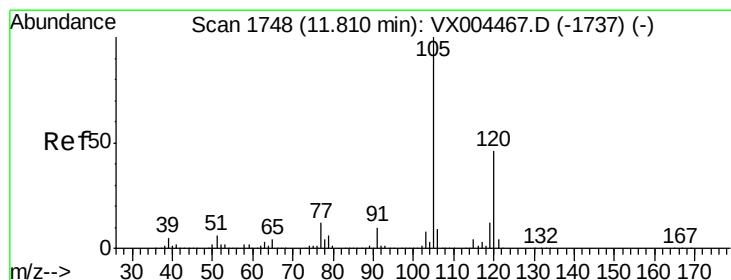
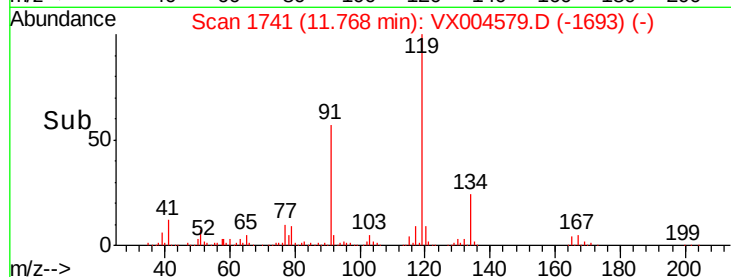
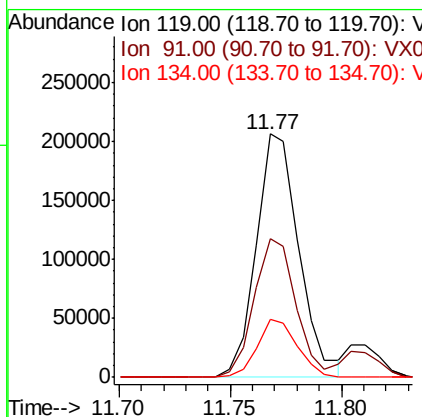
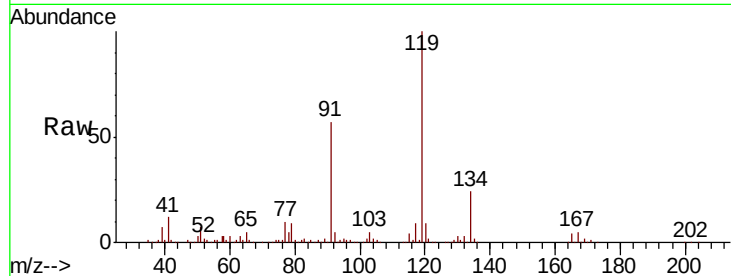
#83
 tert-Butylbenzene
 Concen: 21.99 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Instrument :
 MSVOA_X
 ClientSampled :
 VX0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	275522		
91	55.5	27.0	81.0	
134	22.5	11.7	35.1	

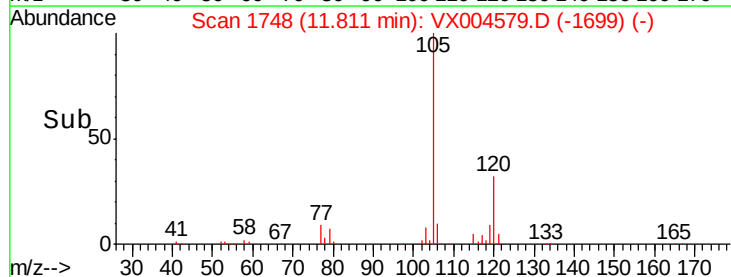
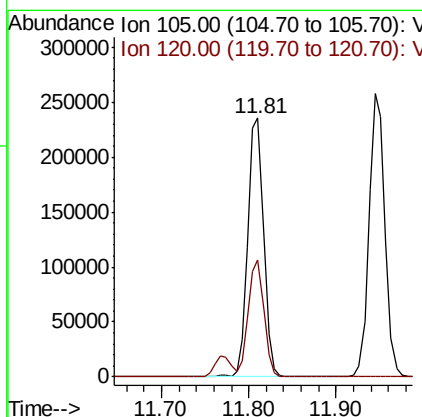
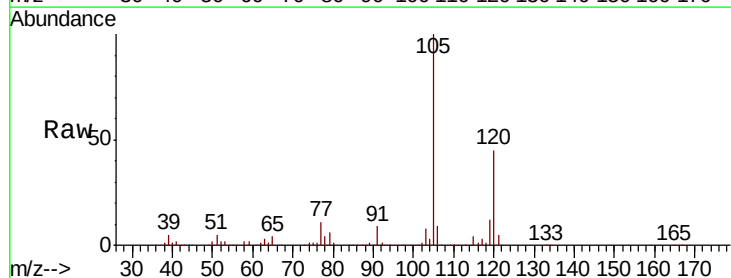
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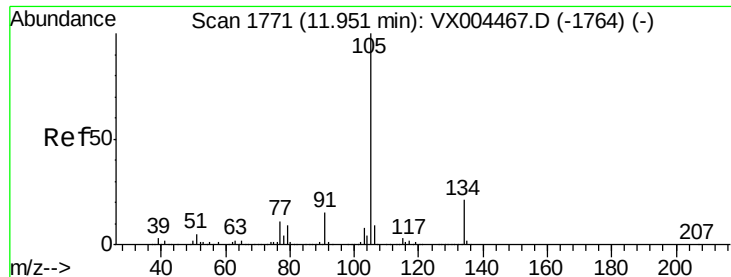
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.81 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	293070		
120	44.5	23.2	69.6	





#85

sec-Butylbenzene

Concen: 20.47 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

Instrument :

MSVOA_X

ClientSampleId :

VX0915WBS01

Tot Ion:105 Resp: 326971

Ion Ratio Lower Upper

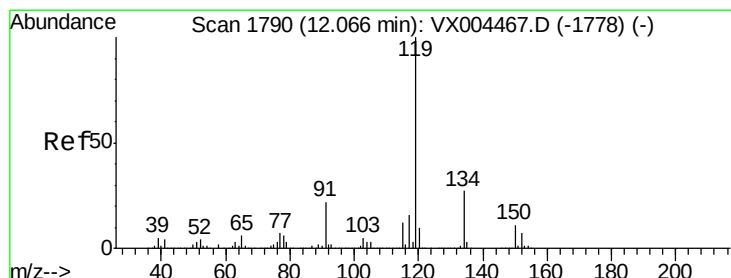
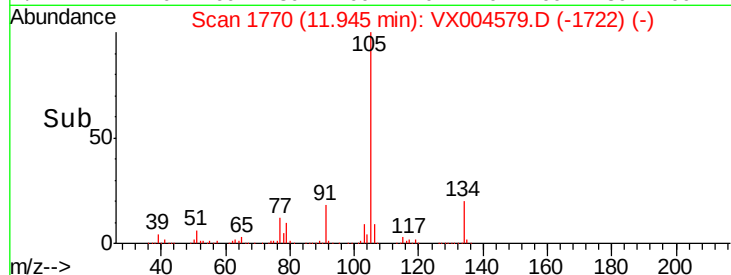
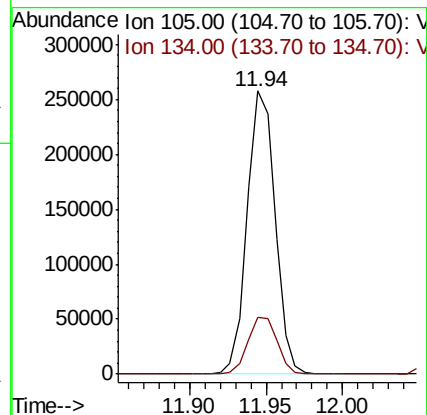
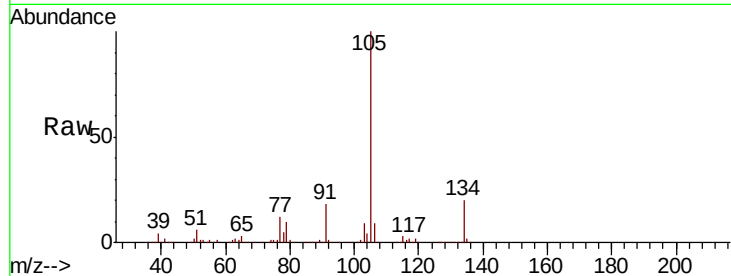
105 100

134 21.1 10.5 31.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.92 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004579.D

Acq: 15 Sep 2018 12:54

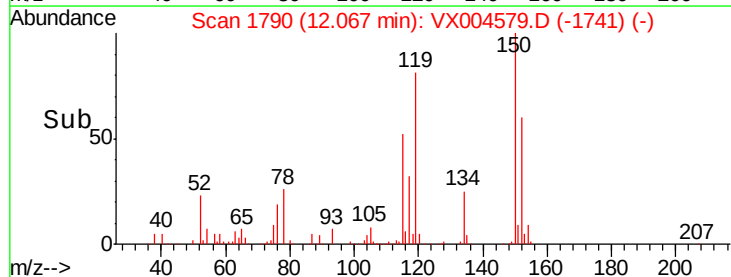
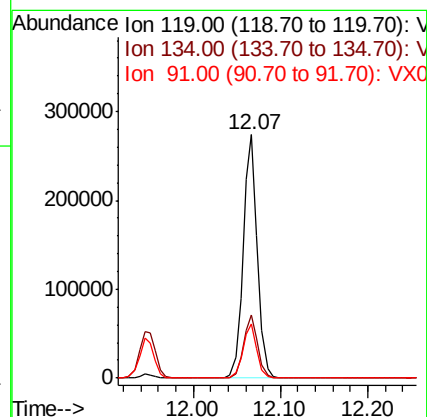
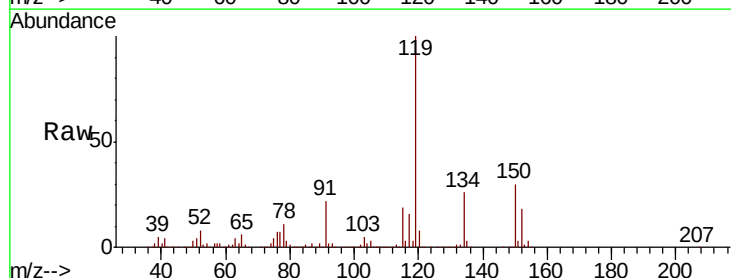
Tgt Ion:119 Resp: 309139

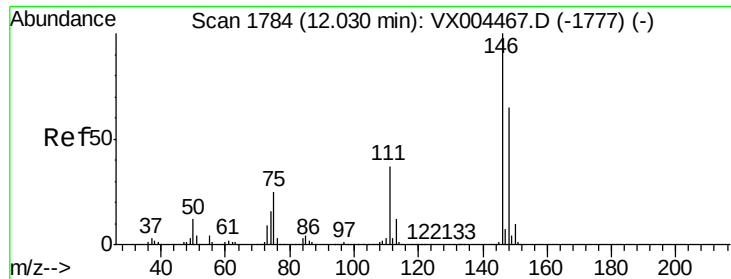
Ion Ratio Lower Upper

119 100

134 25.8 13.4 40.2

91 21.8 10.9 32.7





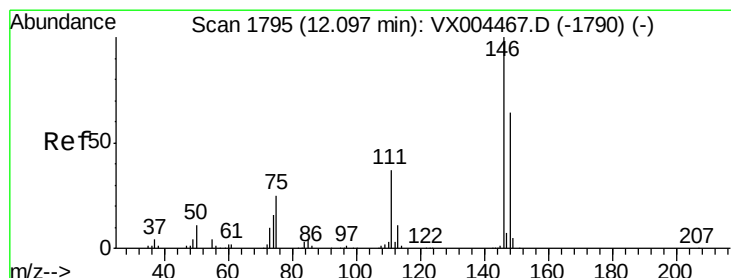
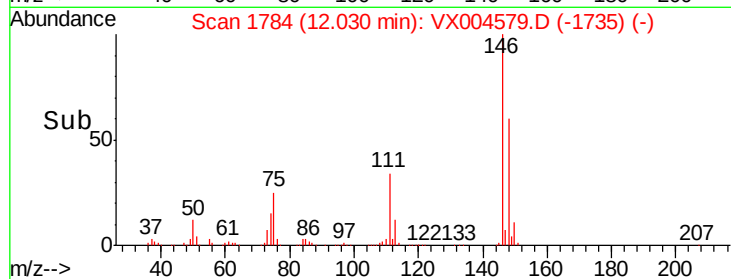
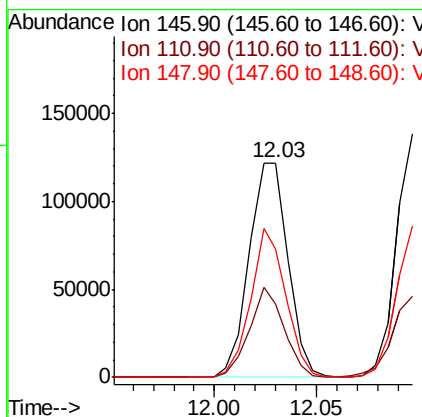
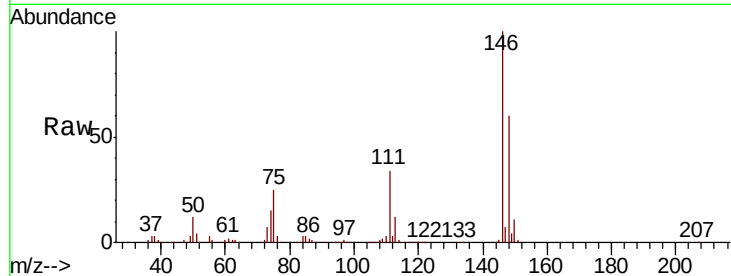
#87
 1,3-Dichlorobenzene
 Concen: 20.06 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	62.6	32.1	96.5

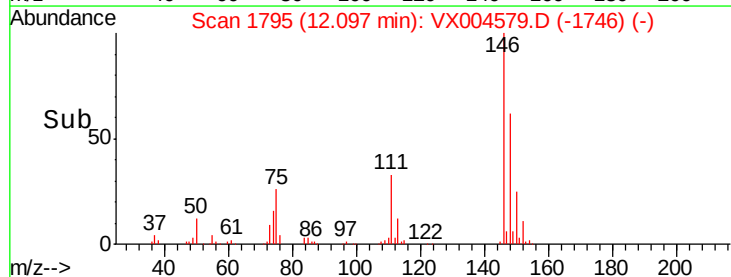
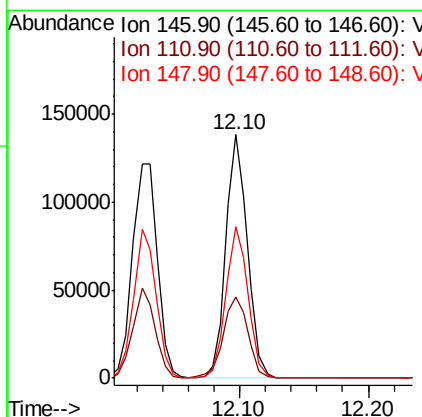
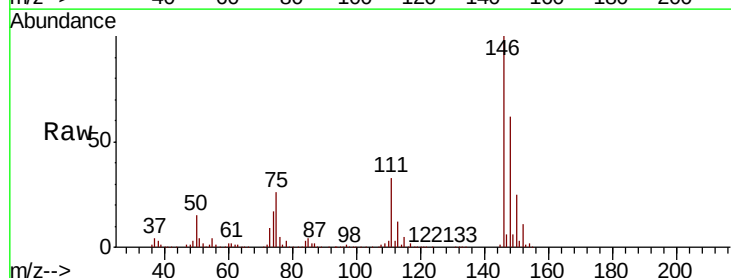
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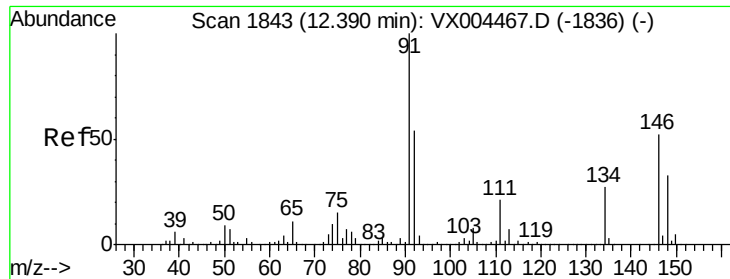
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#88
 1,4-Dichlorobenzene
 Concen: 19.61 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.1
148	64.1	32.0	96.0





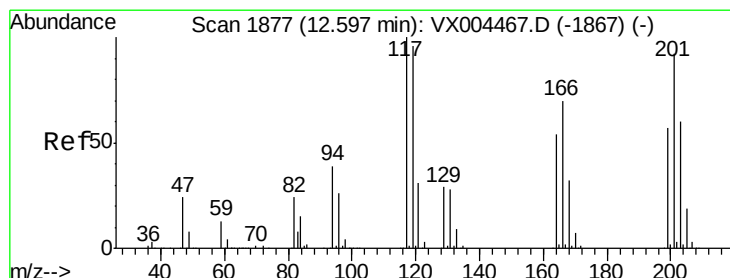
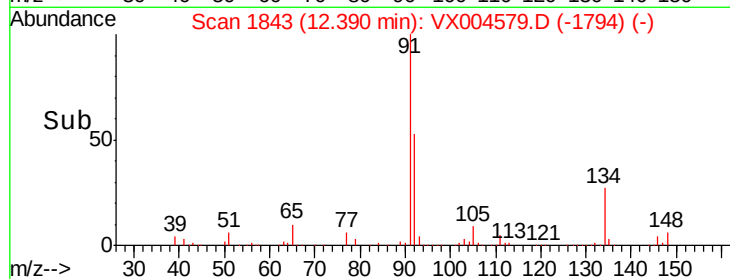
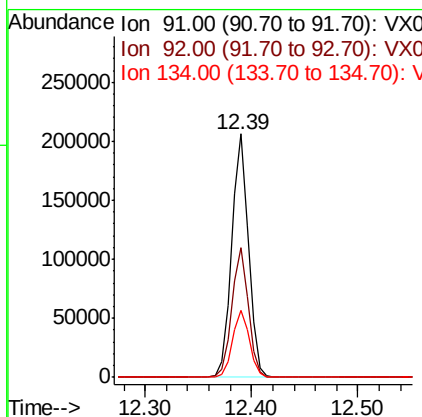
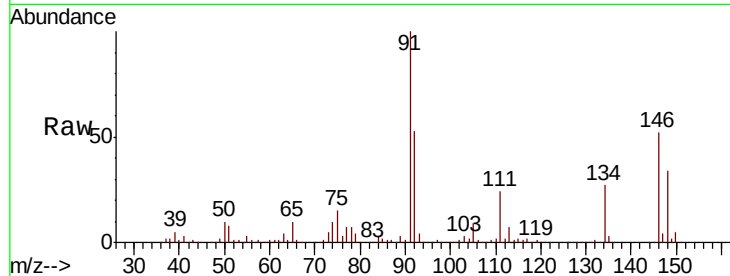
#89
n-Butylbenzene
Concen: 17.81 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	27.3	81.9	
134	27.7	13.6	40.7	

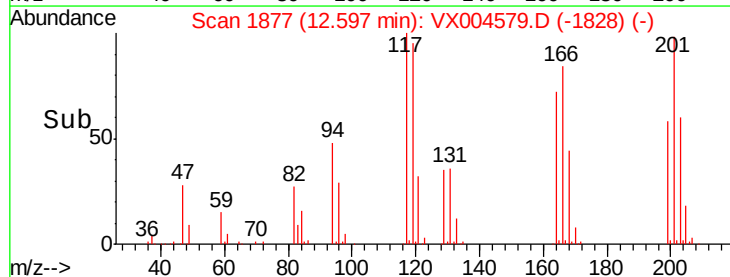
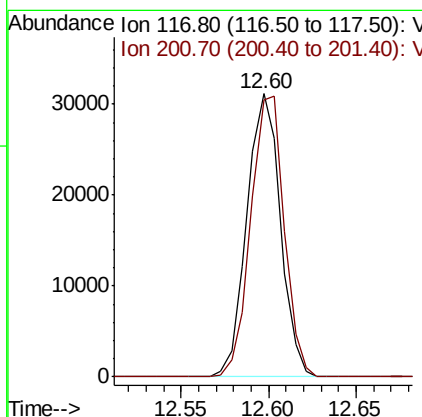
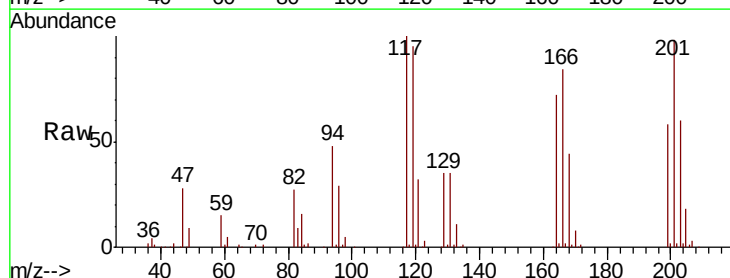
Manual Integrations
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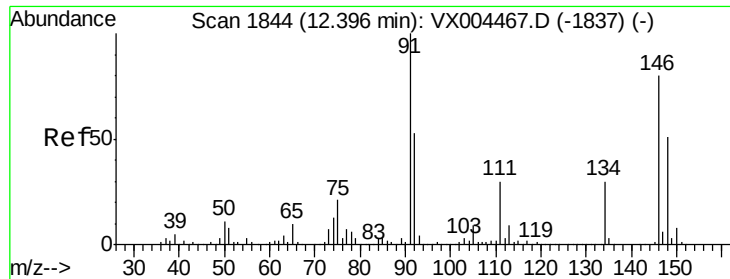
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#90
Hexachloroethane
Concen: 18.39 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	99.2	46.9	140.6	





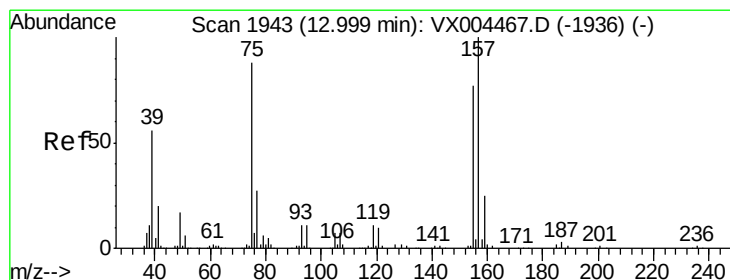
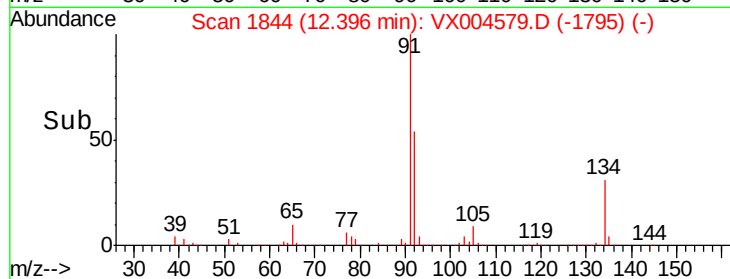
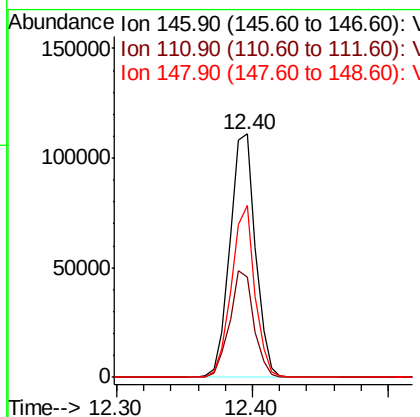
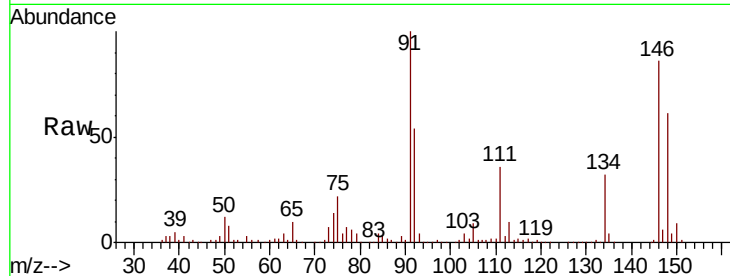
#91
 1,2-Dichlorobenzene
 Concen: 17.71 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0915WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	19.4	58.1
148	65.0	32.8	98.3

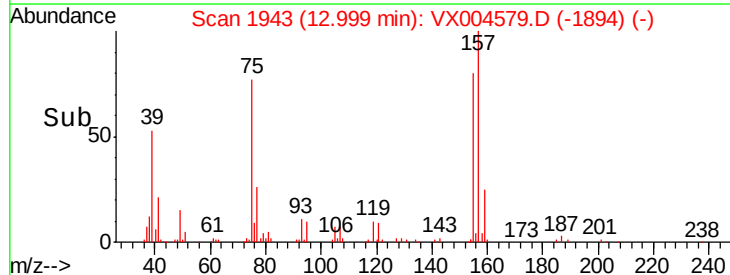
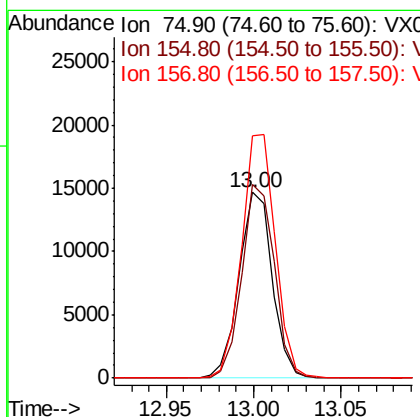
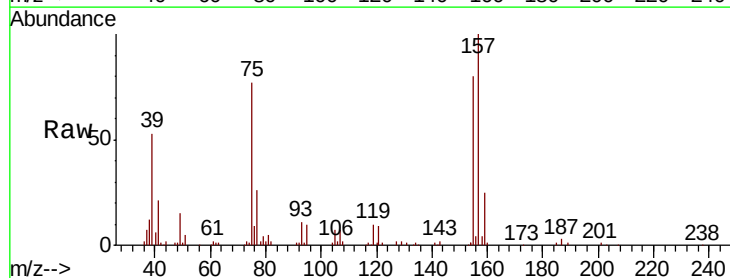
Manual Integrations
 APPROVED

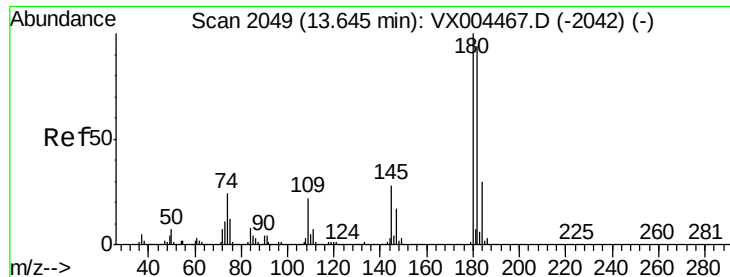
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.98 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	48.0	144.2
157	132.7	61.4	184.1





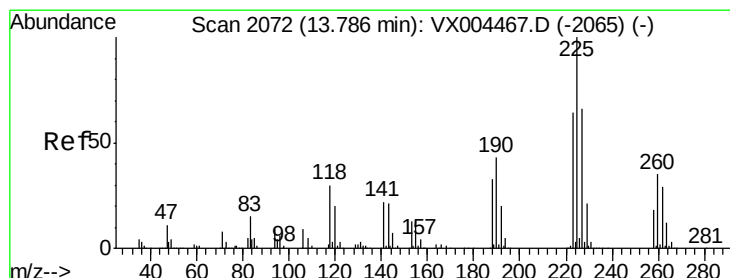
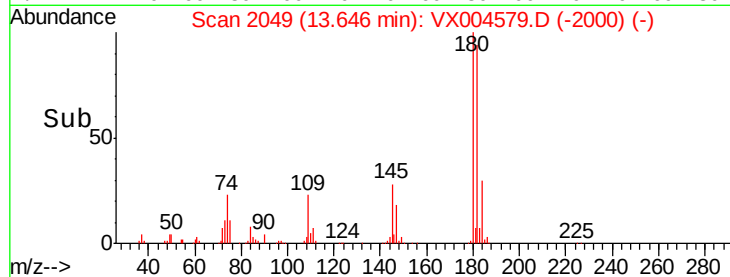
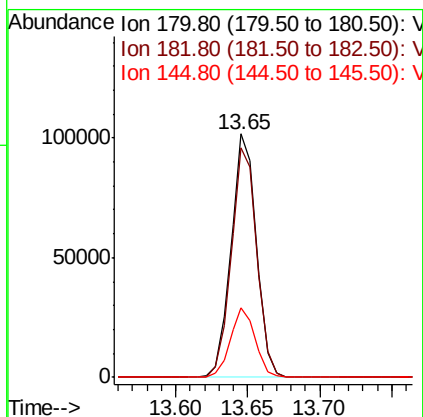
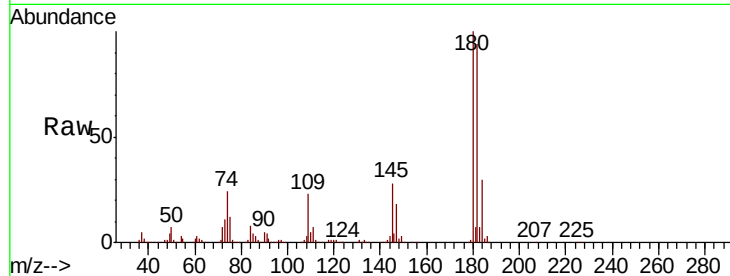
#93
 1,2,4-Trichlorobenzene
 Concen: 21.64 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Instrument :
 MSVOA_X
 ClientSampled :
 VX0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125226		
182	95.2	48.4	145.0	
145	28.0	14.3	42.9	

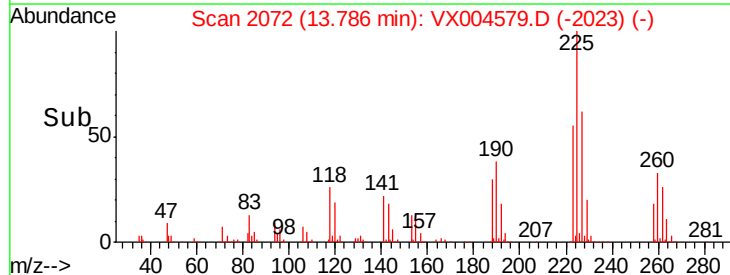
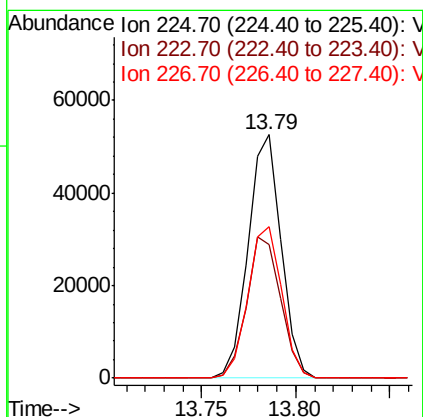
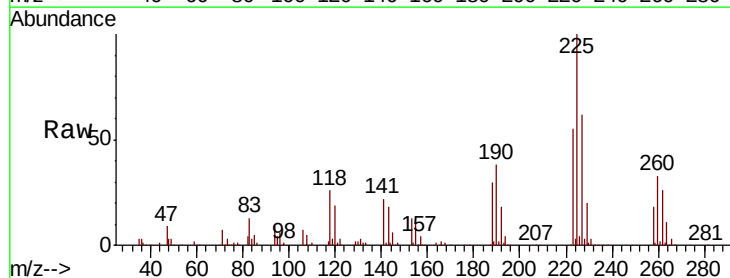
Manual Integrations
 APPROVED

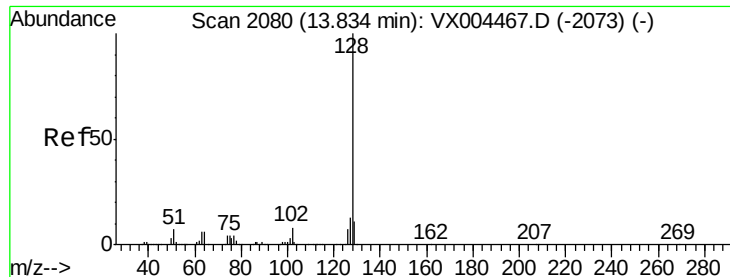
MMDadoda
 9/17/2018 6:27:24 PM



#94
 Hexachlorobutadiene
 Concen: 21.12 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004579.D
 Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63830		
223	59.8	30.1	90.5	
227	64.0	30.8	92.4	





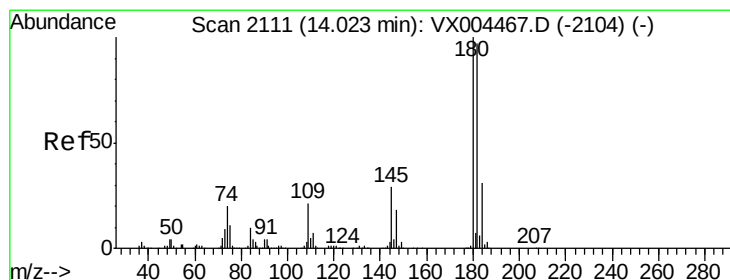
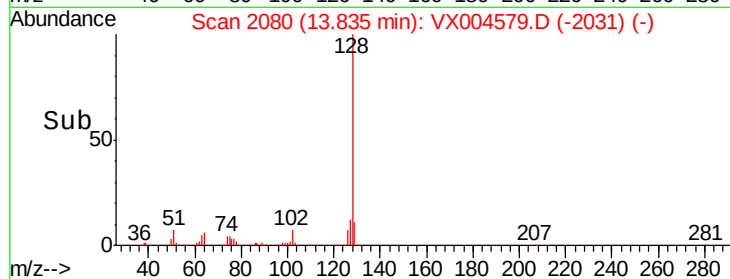
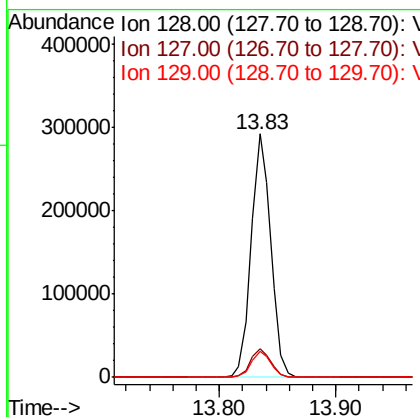
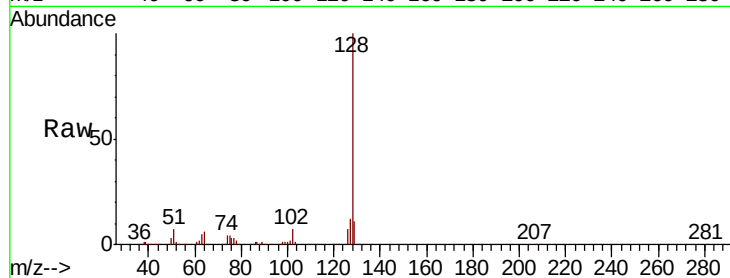
#95
Naphthalene
Concen: 21.24 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Instrument :
MSVOA_X
ClientSampleId :
VX0915WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	344799		
127	12.1		10.2	15.2
129	10.9		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 6:27:24 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.75 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004579.D
Acq: 15 Sep 2018 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	117415		
182	100.8		48.5	145.6
145	30.6		14.9	44.9

