

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004574.D
 Acq On : 15 Sep 2018 09:49
 Operator : JC/MD
 Sample : J4925-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MSD

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:32 PM

Quant Time: Sep 17 01:31:37 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	5.67	168	258176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342336	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	307659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	163283	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	5.51	113	142687	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
50) Toluene-d8	8.72	98	487424	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
62) 4-Bromofluorobenzene	11.14	95	174646	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	113591	46.95	ug/l	97
3) Chloromethane	1.32	50	152442	45.78	ug/l	100
4) Vinyl Chloride	1.40	62	170912	50.01	ug/l	98
5) Bromomethane	1.64	94	67688	47.23	ug/l	99
6) Chloroethane	1.72	64	113321	51.27	ug/l	100
7) Trichlorofluoromethane	1.93	101	214317	47.30	ug/l	86
8) Diethyl Ether	2.19	74	104032	51.22	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	128899	44.85	ug/l	96
10) Methyl Iodide	2.51	142	133821	39.89	ug/l	97
11) Tert butyl alcohol	3.07	59	169117	212.90	ug/l	99
12) 1,1-Dichloroethene	2.37	96	135927	50.39	ug/l	92
13) Acrolein	2.29	56	76469	243.88	ug/l	96
14) Allyl chloride	2.73	41	259241	46.74	ug/l	95
15) Acrylonitrile	3.15	53	447820	234.11	ug/l	100
16) Acetone	2.45	43	348957	214.77	ug/l	98
17) Carbon Disulfide	2.57	76	381090	48.87	ug/l	100
18) Methyl Acetate	2.78	43	183506	40.26	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	487564	51.51	ug/l	99
20) Methylene Chloride	2.86	84	159615	47.89	ug/l	87
21) trans-1,2-Dichloroethene	3.16	96	149961	50.31	ug/l	95
22) Diisopropyl ether	3.87	45	498153	49.87	ug/l	98
23) Vinyl Acetate	3.82	43	1632051	201.90	ug/l	98
24) 1,1-Dichloroethane	3.70	63	277960	49.29	ug/l	98
25) 2-Butanone	4.70	43	570595	220.66	ug/l	99
26) 2,2-Dichloropropane	4.59	77	124033	32.02	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	173928	52.27	ug/l	95
28) Bromochloromethane	5.02	49	134467	52.13	ug/l	98
29) Tetrahydrofuran	5.16	42	372782	239.05	ug/l	98
30) Chloroform	5.22	83	273991	49.76	ug/l	95
31) Cyclohexane	5.57	56	240570	49.96	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	226250	51.02	ug/l	98
36) 1,1-Dichloropropene	5.81	75	202647	48.76	ug/l	97
37) Ethyl Acetate	4.86	43	179927	38.06	ug/l	99
38) Carbon Tetrachloride	5.78	117	199053	49.04	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	199849	46.08	ug/l	98
40) Benzene	6.15	78	630647	51.14	ug/l	95
41) Methacrylonitrile	5.06	41	124914	47.96	ug/l	98
42) 1,2-Dichloroethane	6.20	62	202982	49.63	ug/l	99
43) Isopropyl Acetate	6.46	43	272542	43.41	ug/l	100
44) Trichloroethene	7.21	130	151545	47.30	ug/l	93
45) 1,2-Dichloropropane	7.52	63	145580	49.06	ug/l	98
46) Dibromomethane	7.66	93	90830	48.45	ug/l	98
47) Bromodichloromethane	7.90	83	173971	49.07	ug/l	98
48) Methyl methacrylate	7.77	41	152349	49.03	ug/l	98
49) 1,4-Dioxane	7.75	88	61771	839.97	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	961234	216.95	ug/l	99
52) Toluene	8.79	92	342384	47.13	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	207184	50.03	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	198112	46.93	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	160566	51.33	ug/l	89
56) Ethyl methacrylate	9.18	69	249659	56.41	ug/l	95
57) 1,3-Dichloropropane	9.37	76	260888	51.33	ug/l	97
59) 2-Hexanone	9.50	43	798645	235.00	ug/l	94
60) Dibromochloromethane	9.59	129	142376	48.34	ug/l	99
61) 1,2-Dibromoethane	9.68	107	144853	48.47	ug/l	100
64) Tetrachloroethene	9.34	164	189904	49.44	ug/l	93
65) Chlorobenzene	10.14	112	384646	50.33	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	136203	51.68	ug/l	99
67) Ethyl Benzene	10.26	91	649281	52.25	ug/l	98
68) m/p-Xylenes	10.36	106	503802	105.25	ug/l	98
69) o-Xylene	10.70	106	247095	53.70	ug/l	100
70) Styrene	10.71	104	408092	53.53	ug/l	99
71) Bromoform	10.86	173	112291	51.89	ug/l #	100
73) Isopropylbenzene	11.02	105	656691	50.13	ug/l	100
74) N-amyl acetate	10.90	43	217543	39.46	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	200967	47.57	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	182990m	45.73	ug/l	
77) Bromobenzene	11.26	156	175470	48.47	ug/l	99
78) n-propylbenzene	11.36	91	738290	49.02	ug/l	98
79) 2-Chlorotoluene	11.42	91	502427	55.00	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	607024	55.13	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	51334	40.89	ug/l	95
82) 4-Chlorotoluene	11.51	91	572199	53.67	ug/l	99
83) tert-Butylbenzene	11.77	119	646113	61.63	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	691095	61.47	ug/l	98
85) sec-Butylbenzene	11.94	105	760550	56.93	ug/l	99
86) p-Isopropyltoluene	12.07	119	651956	55.26	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	360280	53.34	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	345275	49.47	ug/l	97
89) n-Butylbenzene	12.39	91	567841	52.82	ug/l	97
90) Hexachloroethane	12.60	117	105830	56.04	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	375538	54.93	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52682	58.40	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	278330	57.49	ug/l	99

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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)
94) Hexachlorobutadiene	13.79	225	135427	53.55	ug/l	99
95) Naphthalene	13.83	128	866433	63.81	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	288112	57.93	ug/l	96

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

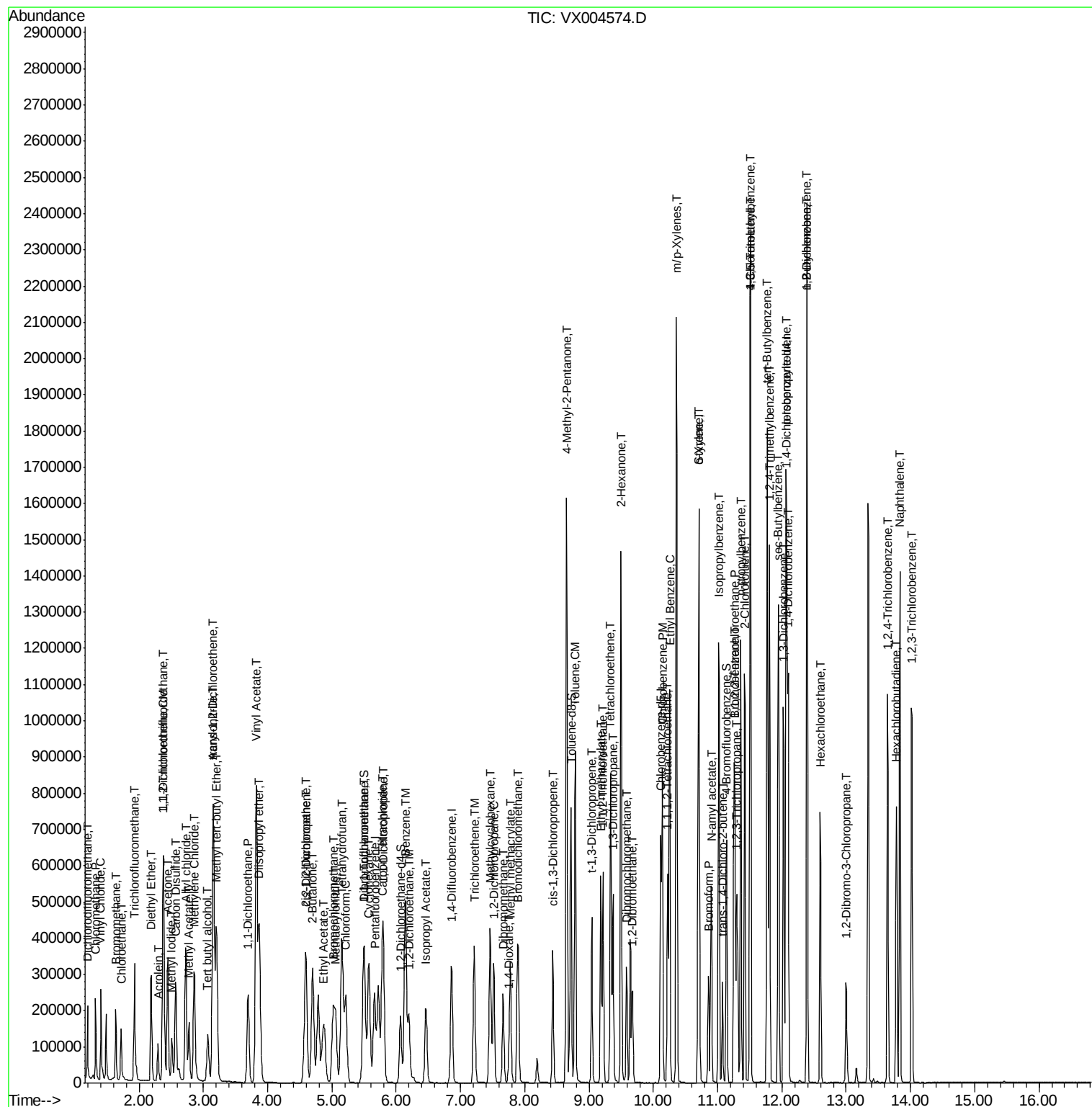
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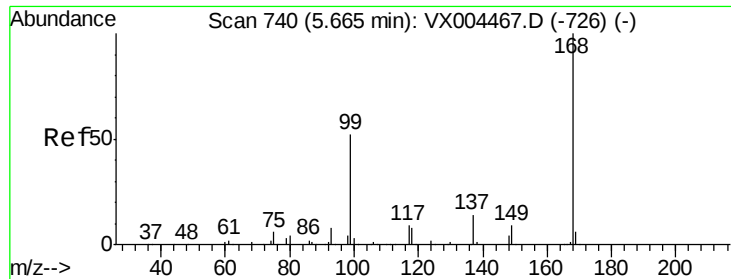
Instrument :
 MSVOA_X
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampled :

S13-0242MSD

Tot Ion:168 Resp: 258176

Ion Ratio Lower Upper

168 100

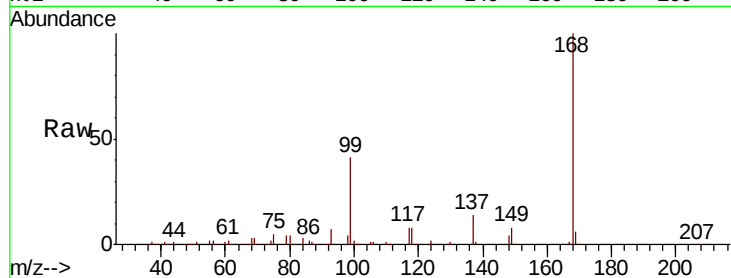
99 41.4 39.9 59.9

Manual Integrations

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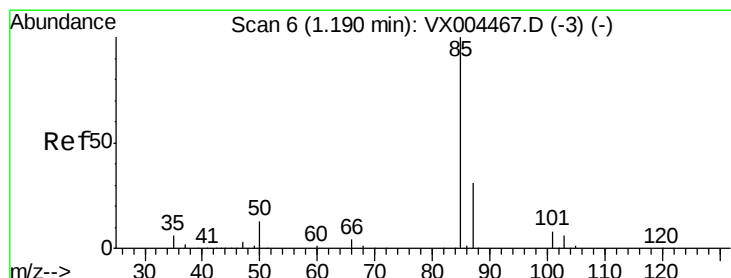
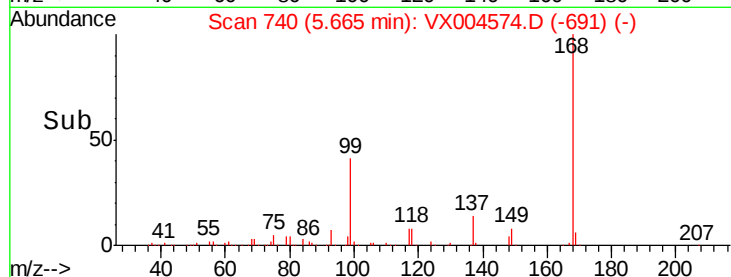
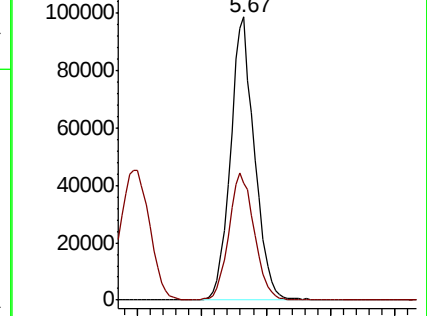
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 46.95 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004574.D

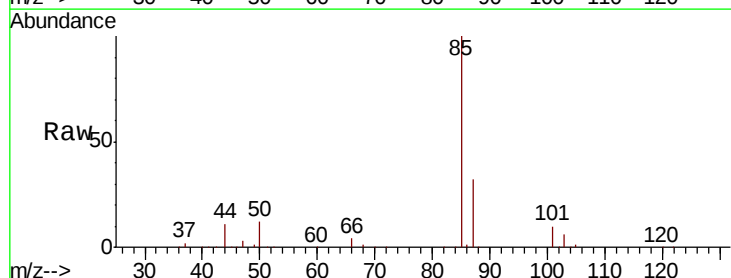
Acq: 15 Sep 2018 09:49

Tgt Ion: 85 Resp: 113591

Ion Ratio Lower Upper

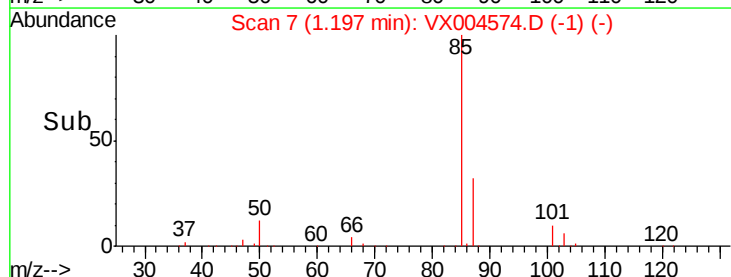
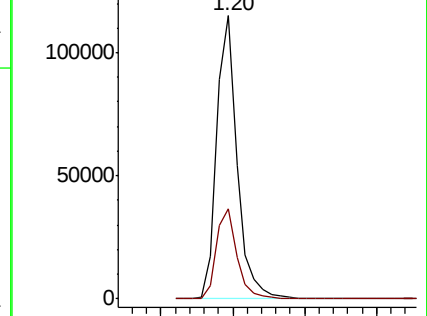
85 100

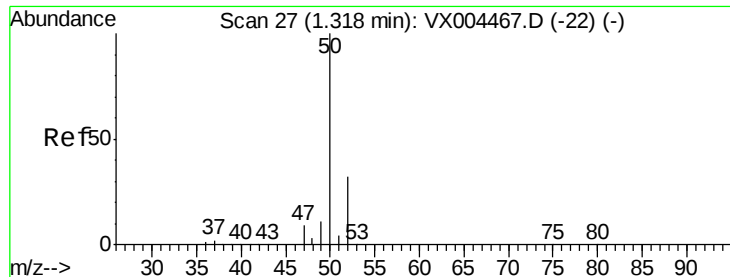
87 32.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.78 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MSD

Tot Ion: 50 Resp: 152442

Ion Ratio Lower Upper

50 100

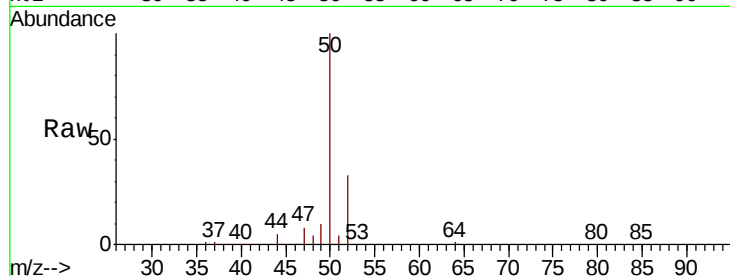
52 32.9 26.2 39.2

Manual Integrations

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9/17/2018 5:09:32 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

150000

100000

50000

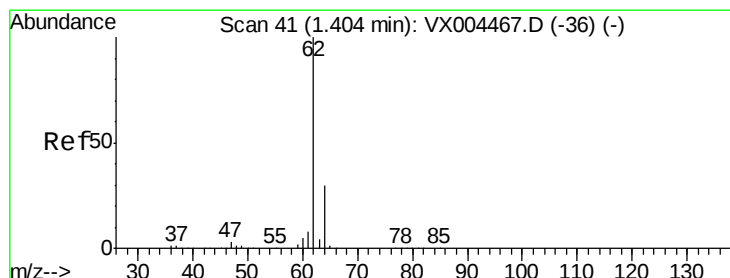
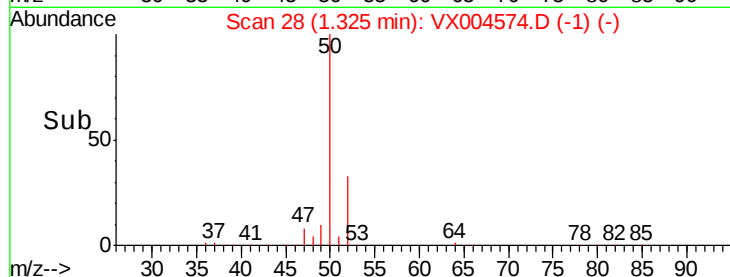
0

1.32

1.35

1.40

Time-->



#4

Vinyl Chloride

Concen: 50.01 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004574.D

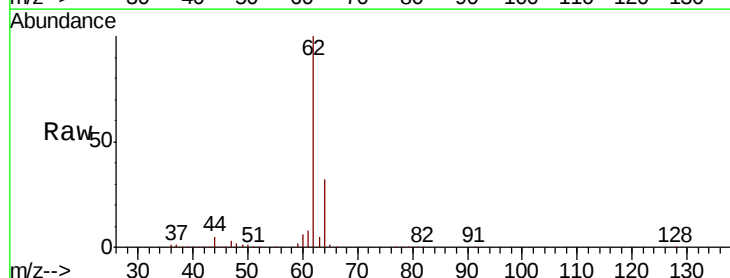
Acq: 15 Sep 2018 09:49

Tgt Ion: 62 Resp: 170912

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

150000

100000

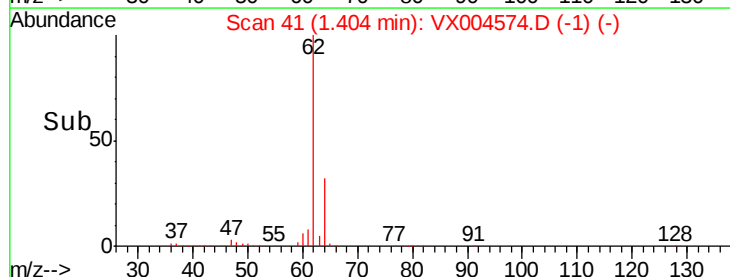
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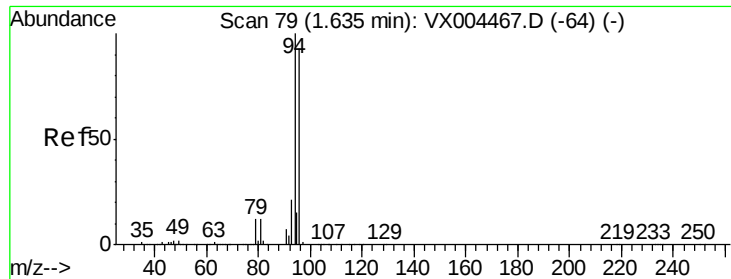
0

1.40

1.50

Time-->





#5

Bromomethane

Concen: 47.23 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MSD

Tot Ion: 94 Resp: 67688

Ion Ratio Lower Upper

94 100

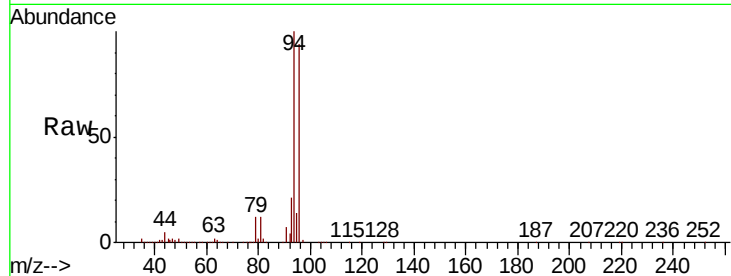
96 94.5 74.5 111.7

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9/17/2018 5:09:32 PM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

60000

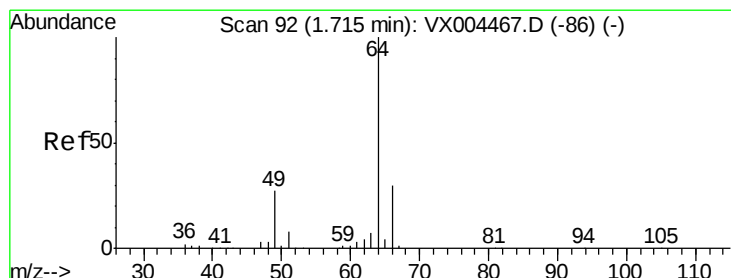
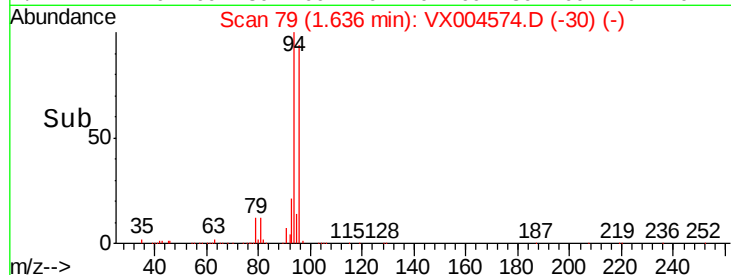
40000

20000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 51.27 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004574.D

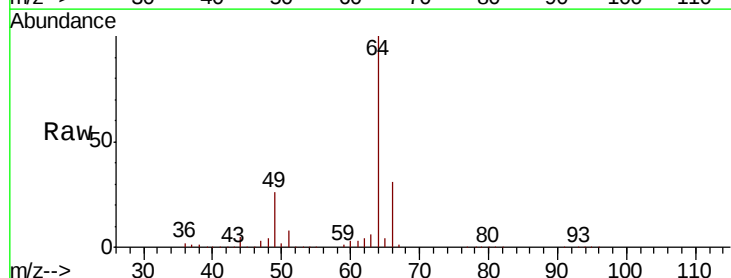
Acq: 15 Sep 2018 09:49

Tgt Ion: 64 Resp: 113321

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

60000

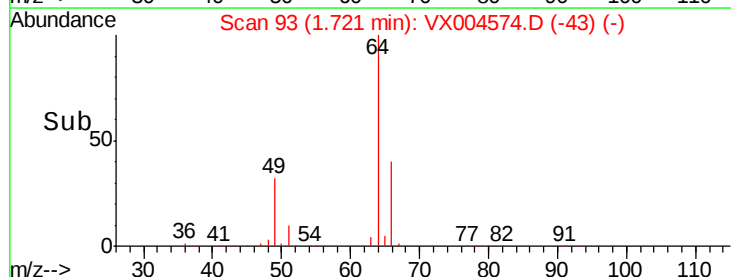
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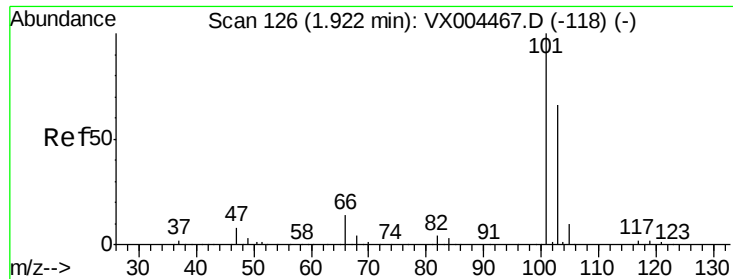
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0

Time-->

1.60 1.70 1.80





#7

Trichlorofluoromethane

Concen: 47.30 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.01 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MSD

Tot Ion:101 Resp: 214317

Ion Ratio Lower Upper

101 100

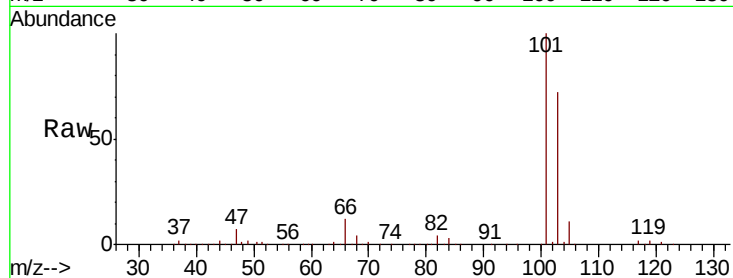
103 71.6 48.9 73.3

Manual Integrations

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9/17/2018 5:09:32 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

150000

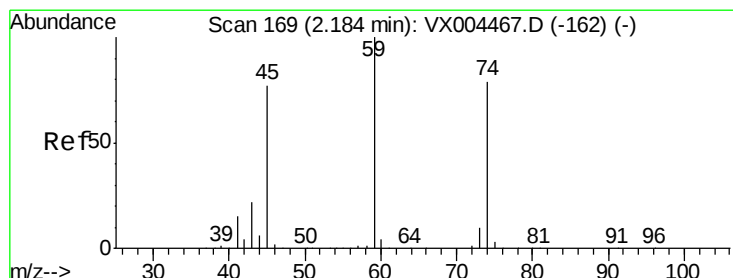
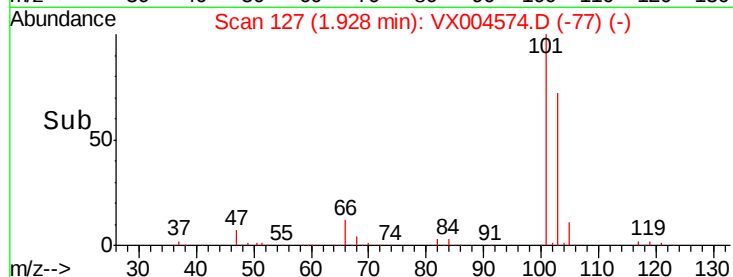
100000

50000

0

1.90 2.00

Time-->



#8

Diethyl Ether

Concen: 51.22 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX004574.D

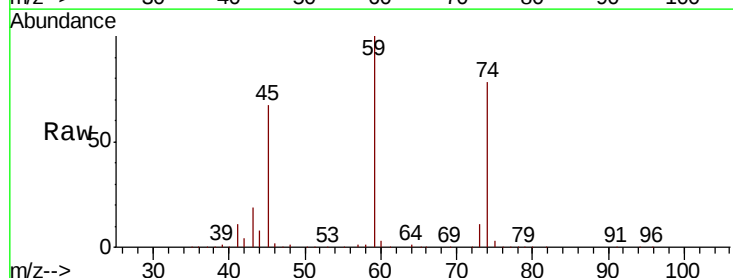
Acq: 15 Sep 2018 09:49

Tgt Ion: 74 Resp: 104032

Ion Ratio Lower Upper

74 100

45 97.2 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

80000

60000

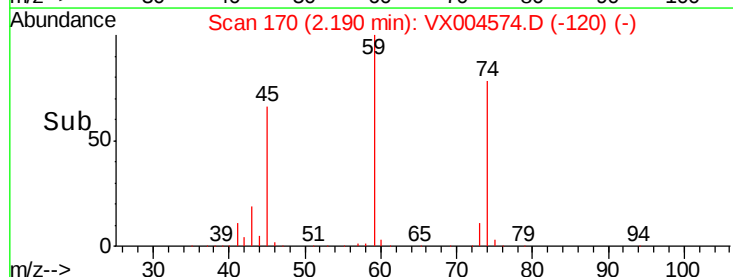
40000

20000

0

2.10 2.20 2.30

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.85 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

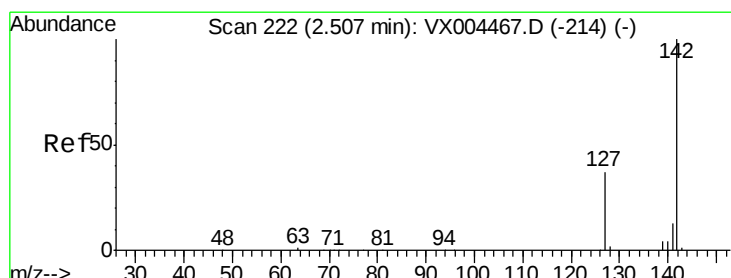
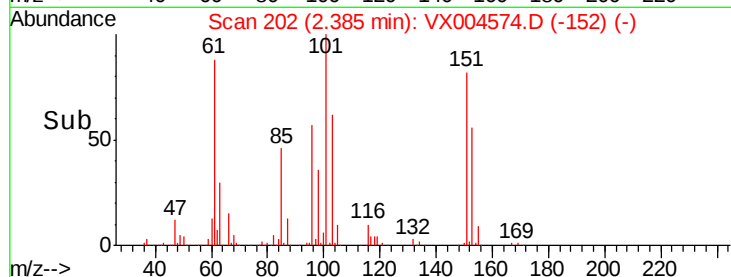
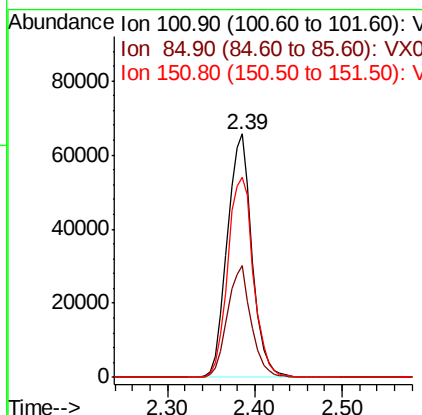
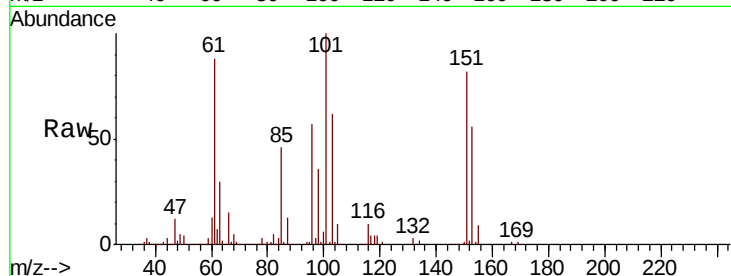
ClientSampleId :

S13-0242MSD

Tot Ion:	101	Resp:	128899
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.2	51.4
151	85.4	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 39.89 ug/l

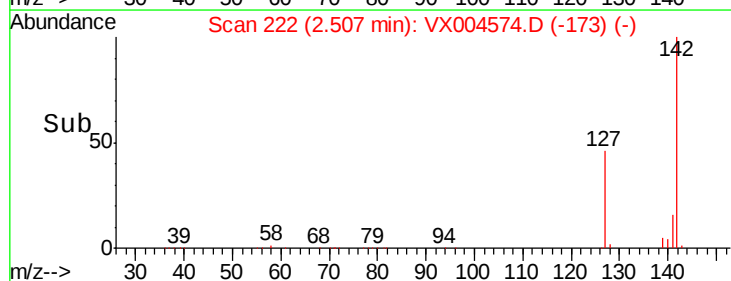
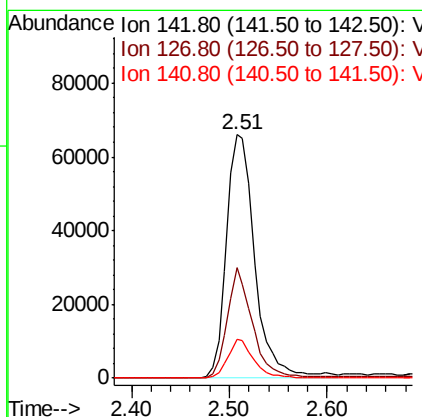
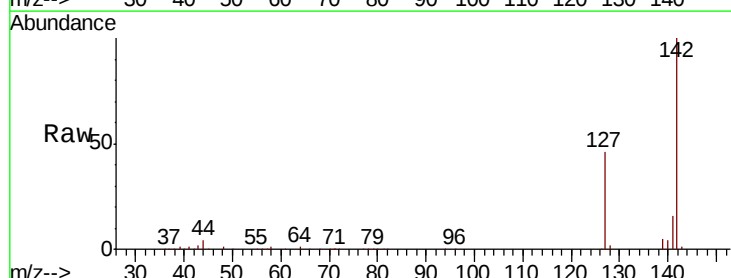
RT: 2.51 min Scan# 222

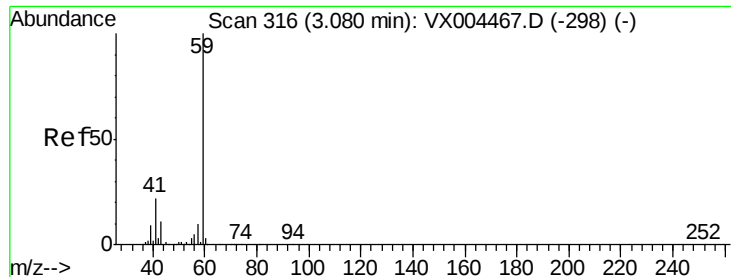
Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Tgt Ion:	142	Resp:	133821
Ion Ratio	Lower	Upper	
142	100		
127	40.1	33.8	50.6
141	14.4	11.4	17.0





#11

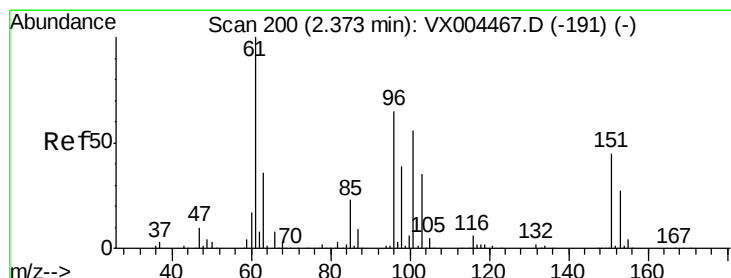
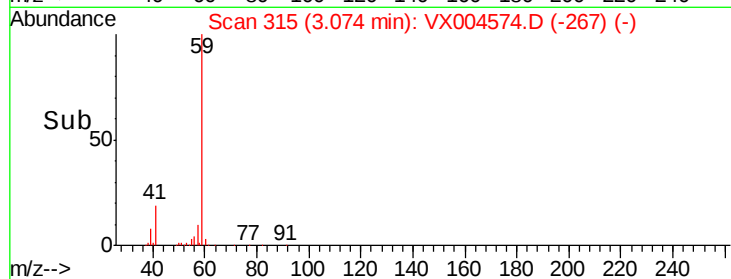
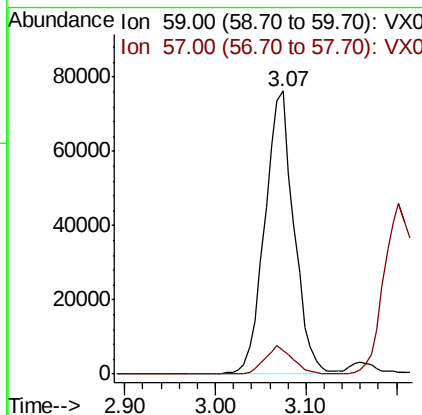
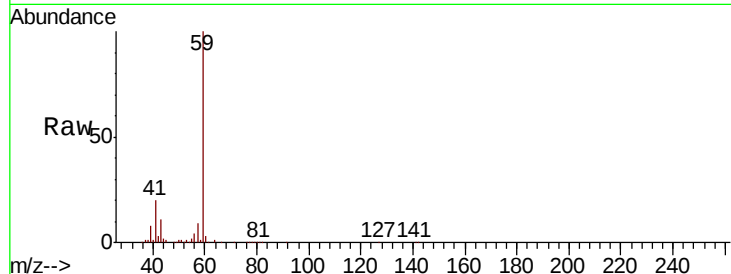
Tert butyl alcohol
Concen: 212.90 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4

Manual Integrations
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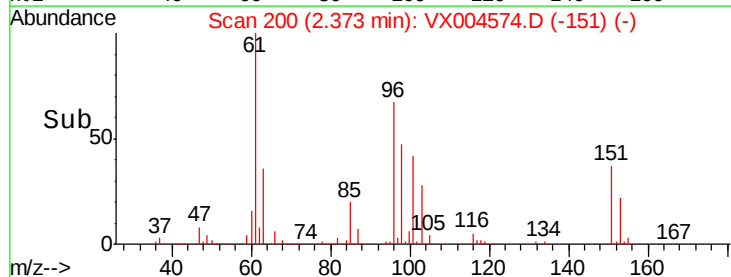
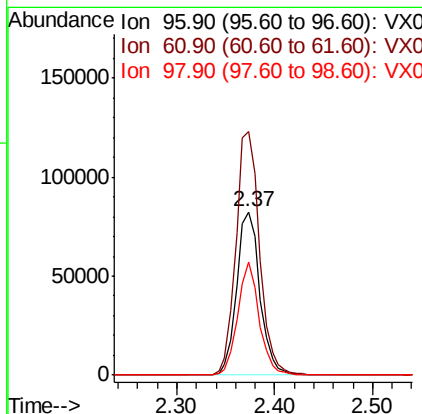
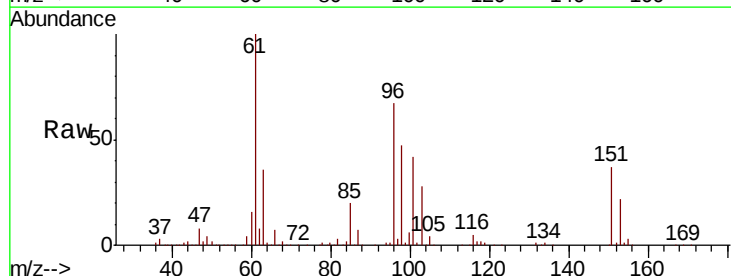
MMDadoda
9/17/2018 5:09:32 PM

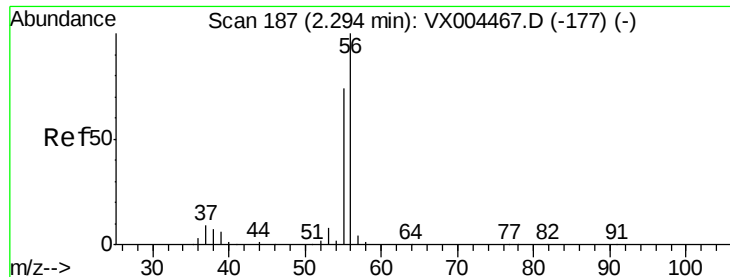


#12

1,1-Dichloroethene
Concen: 50.39 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.0	128.8	193.2
98	69.6	52.2	78.2





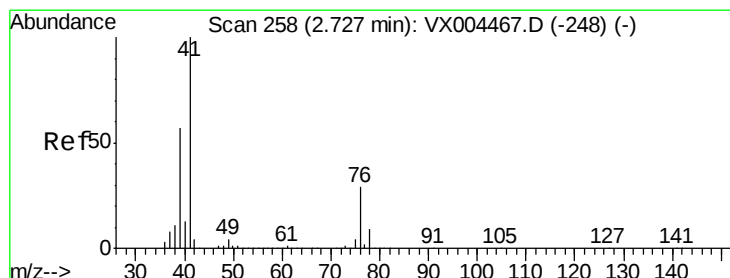
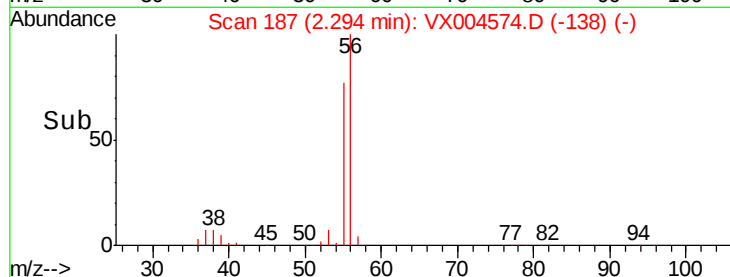
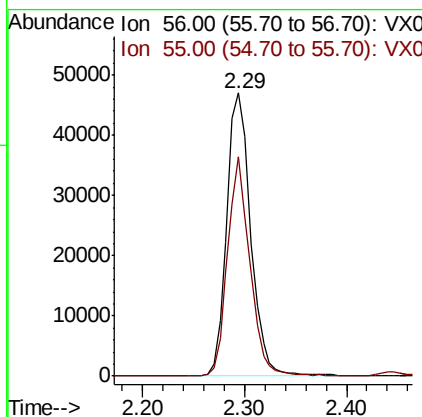
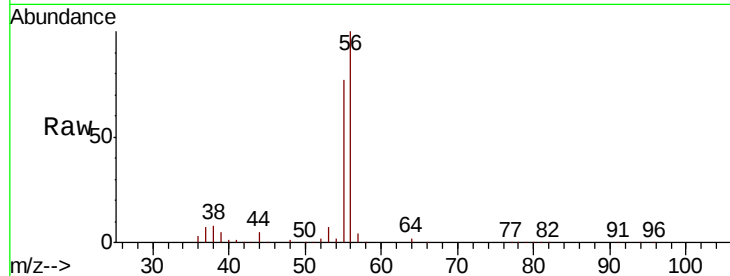
#13
Acrolein
Concen: 243.88 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MSD

Tot Ion: 56 Resp: 76469
Ion Ratio Lower Upper
56 100
55 71.7 54.7 82.1

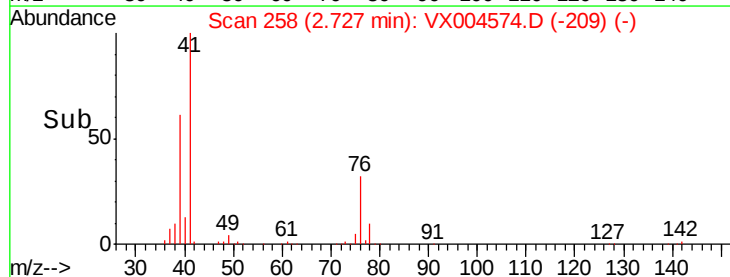
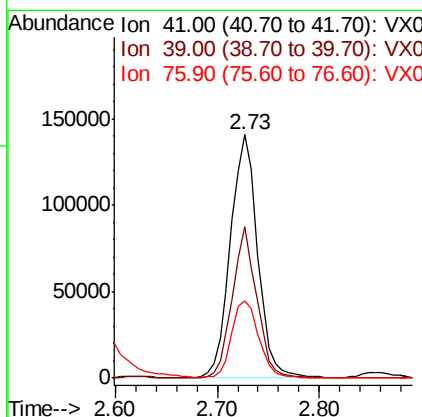
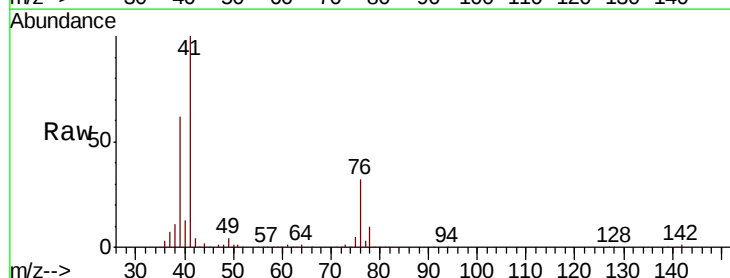
Manual Integrations
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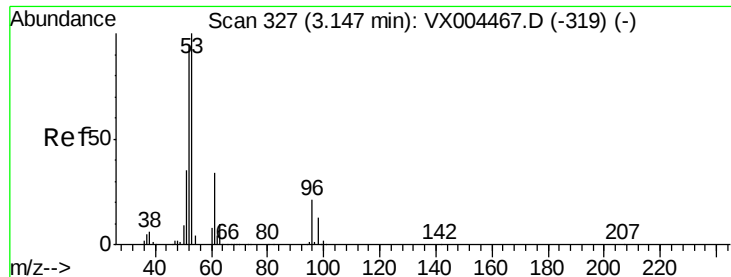
MMDadoda
9/17/2018 5:09:32 PM



#14
Allyl chloride
Concen: 46.74 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion: 41 Resp: 259241
Ion Ratio Lower Upper
41 100
39 56.0 48.9 73.3
76 31.8 26.7 40.1





#15

Acrylonitrile

Concen: 234.11 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

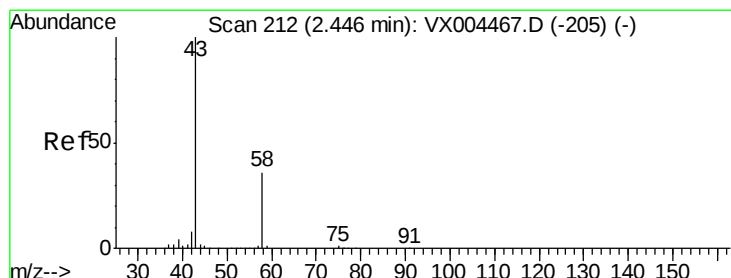
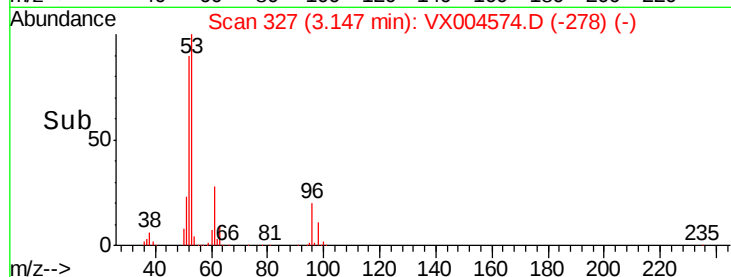
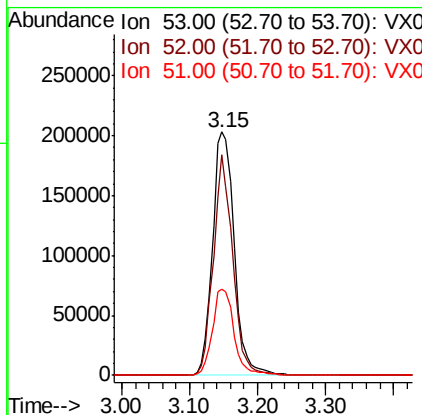
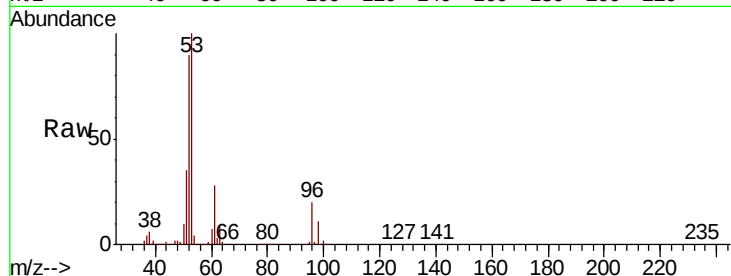
ClientSampleId :

S13-0242MSD

Tot Ion:	53	Resp:	447820
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.2	97.8
51	35.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 214.77 ug/l

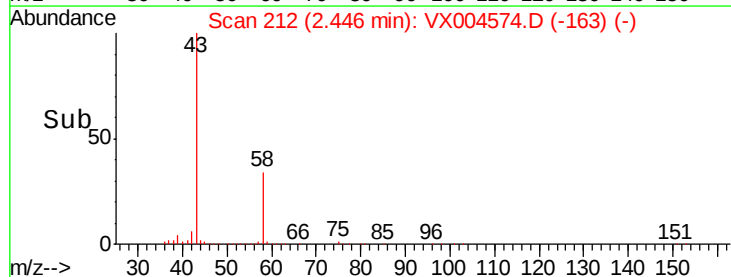
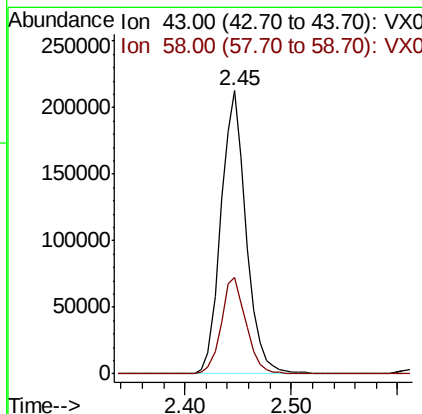
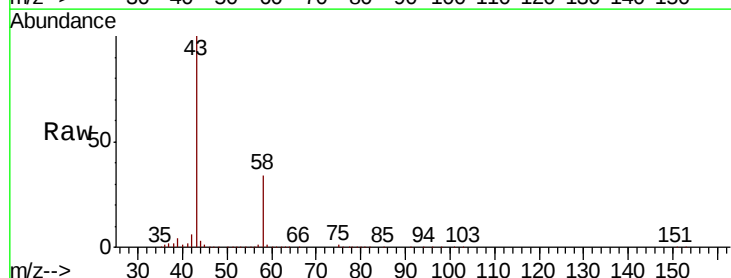
RT: 2.45 min Scan# 212

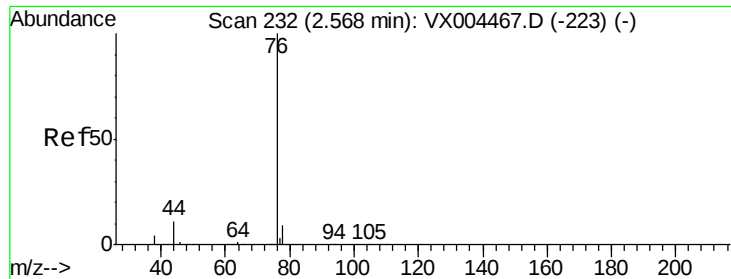
Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Tgt Ion:	43	Resp:	348957
Ion	Ratio	Lower	Upper
43	100		
58	34.2	26.2	39.4





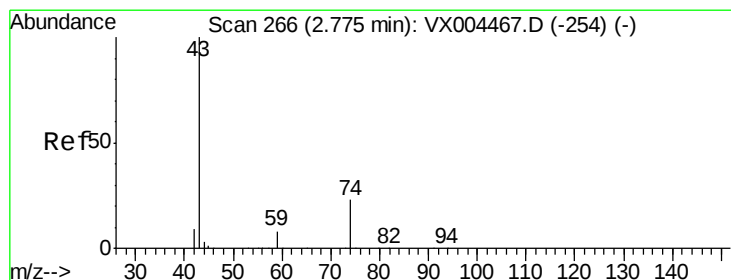
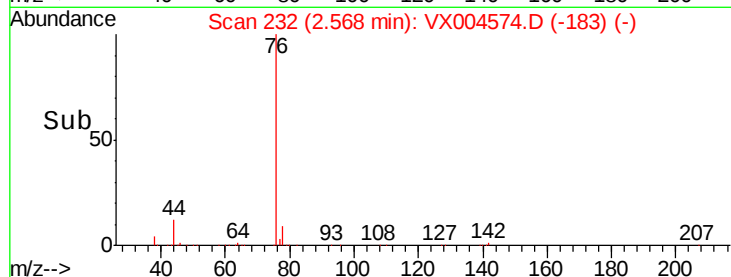
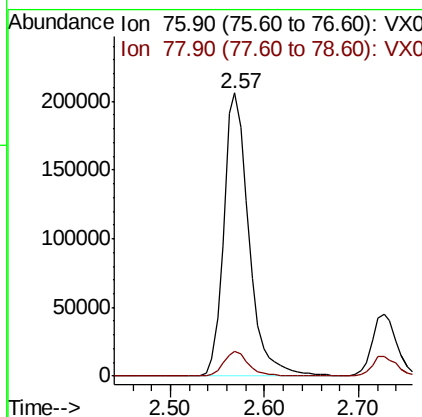
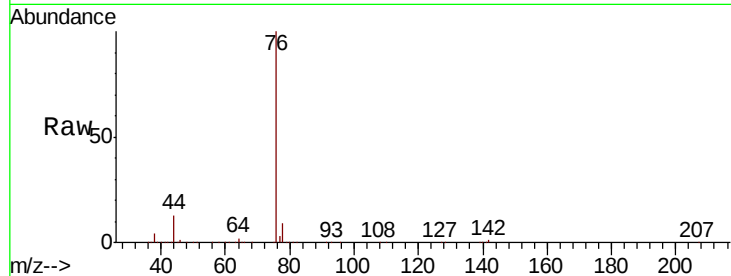
#17
Carbon Disulfide
Concen: 48.87 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

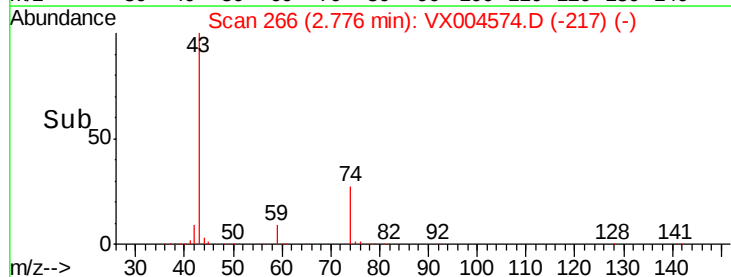
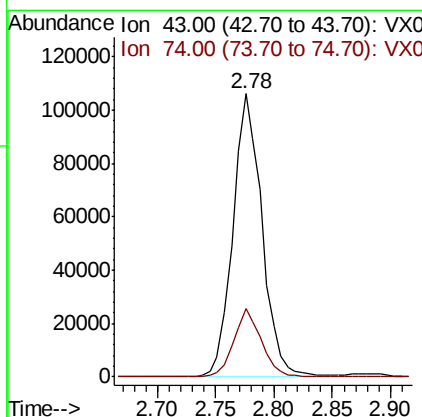
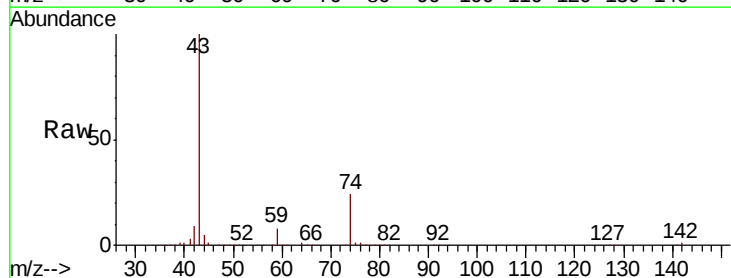
Manual Integrations
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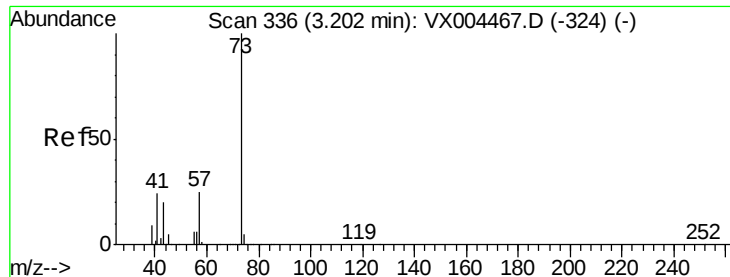
MMDadoda
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#18
Methyl Acetate
Concen: 40.26 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.4	29.2





#19

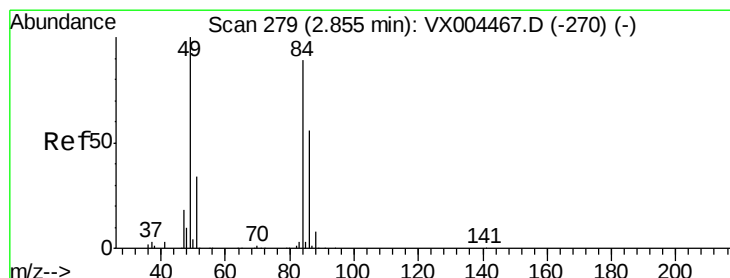
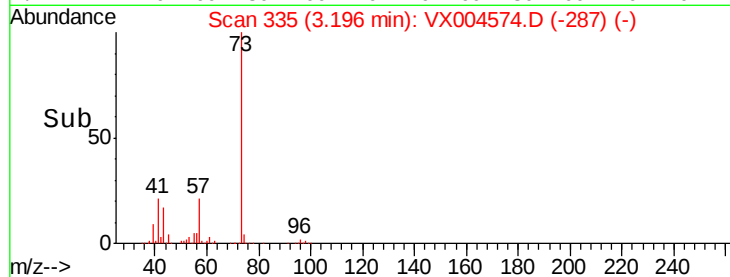
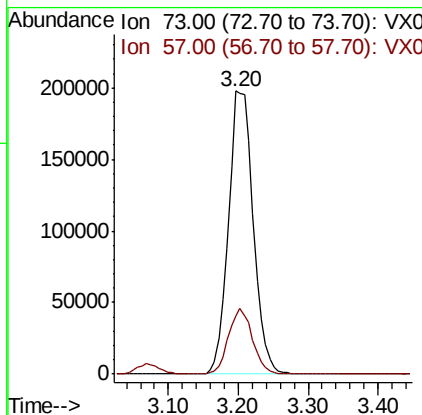
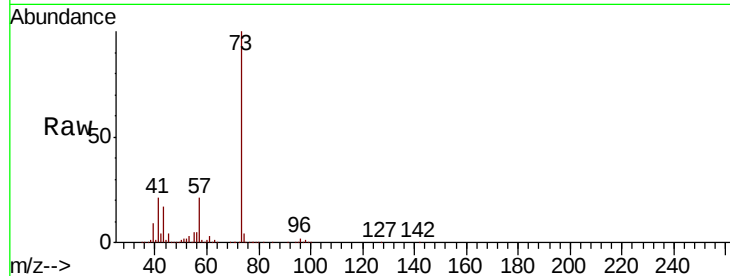
Methyl tert-butyl Ether
 Concen: 51.51 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.1	25.7

Manual Integrations
 APPROVED

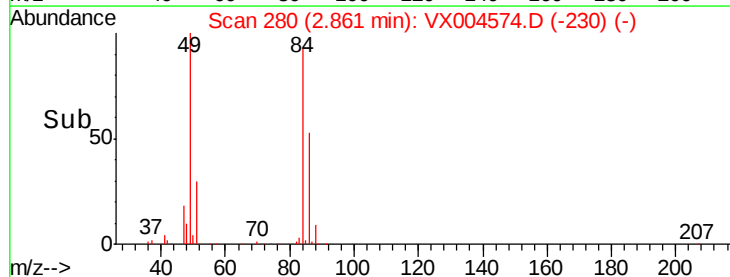
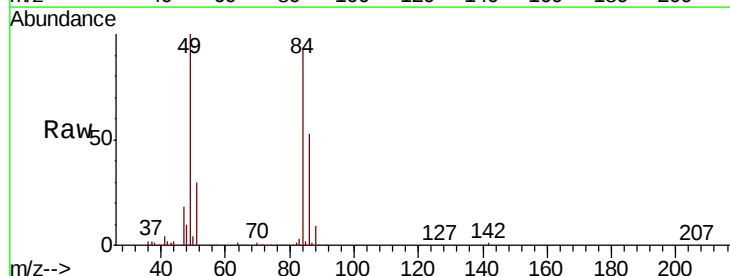
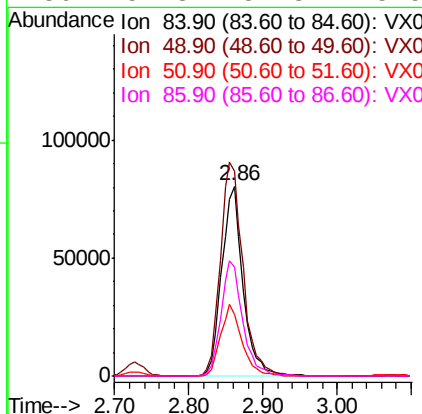
MMDadoda
 9/17/2018 5:09:32 PM

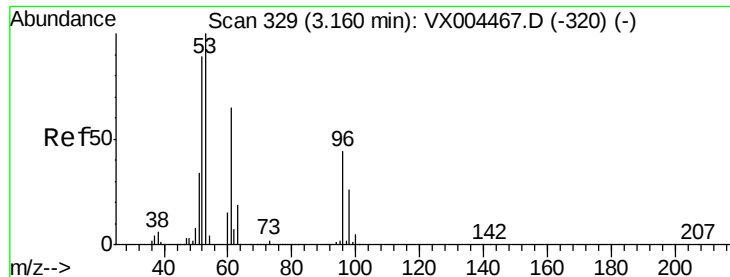


#20

Methylene Chloride
 Concen: 47.89 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.6	101.2	151.8
51	32.7	29.5	44.3
86	57.3	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 50.31 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

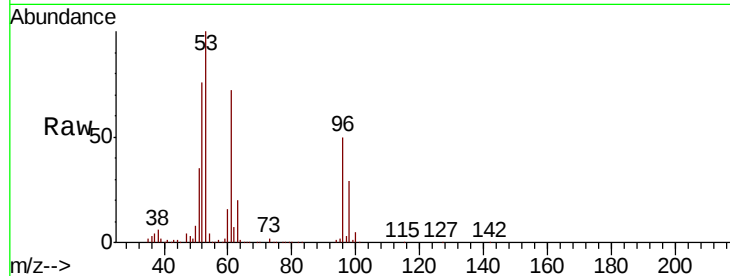
ClientSampleId :

S13-0242MSD

Tot Ion:	96	Resp:	149961
Ion	Ratio	Lower	Upper
96	100		
61	145.4	113.8	170.6
98	57.7	51.8	77.8

Manual Integrations
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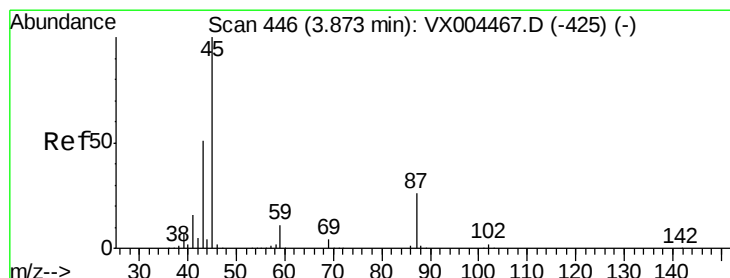
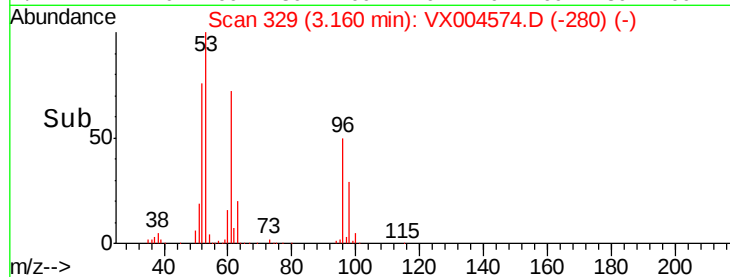
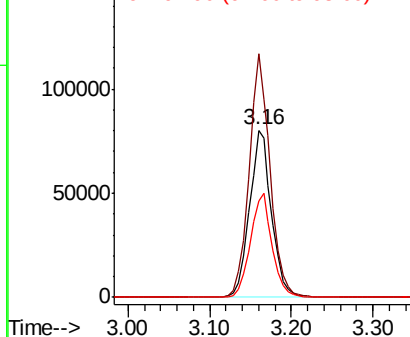


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 49.87 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Tgt Ion:	45	Resp:	498153
Ion	Ratio	Lower	Upper
45	100		
43	54.6	42.8	64.2
87	27.1	22.6	34.0
59	13.0	9.6	14.4

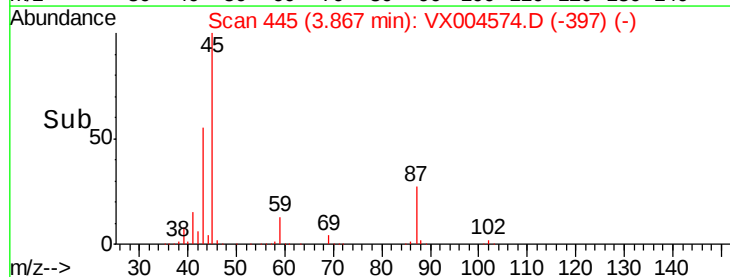
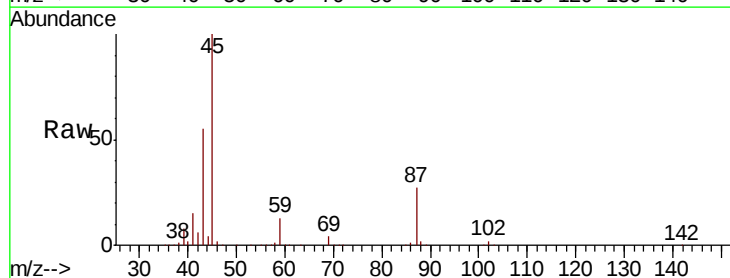
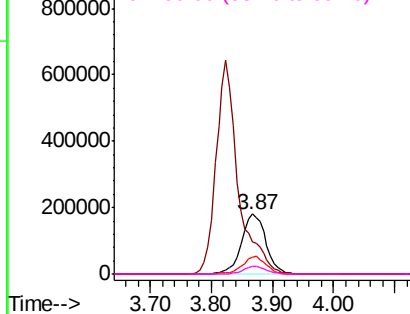
Abundance

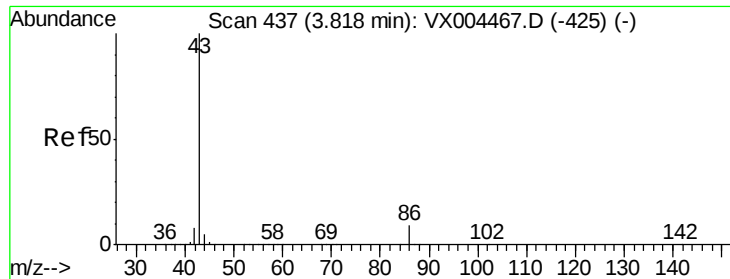
Ion 45.00 (44.70 to 45.70): VX0

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: 201.90 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MSD

Tot Ion: 43 Resp: 1632051

Ion Ratio Lower Upper

43 100

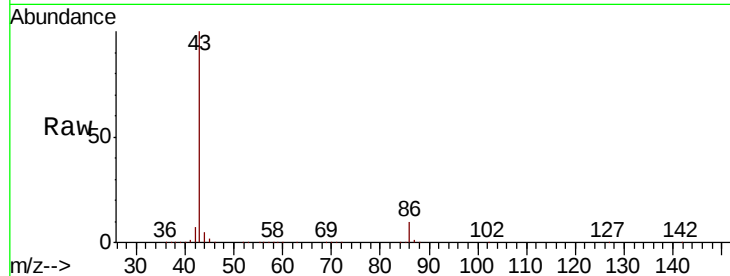
86 10.4 8.9 13.3

Manual Integrations

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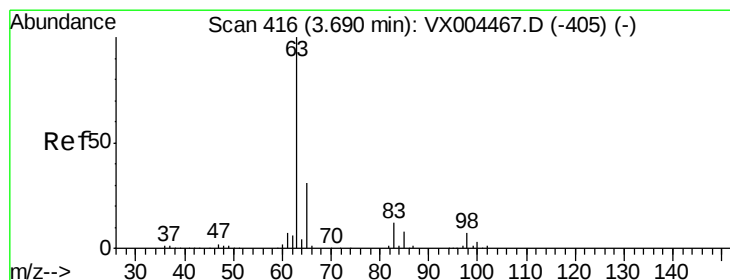
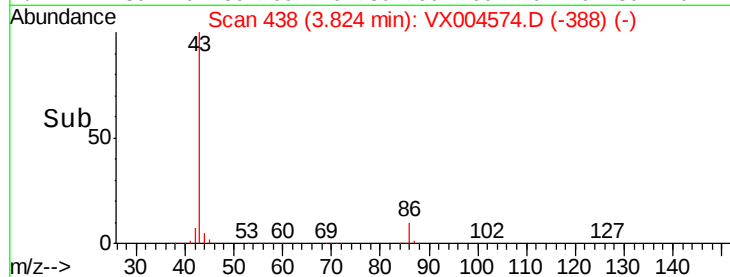
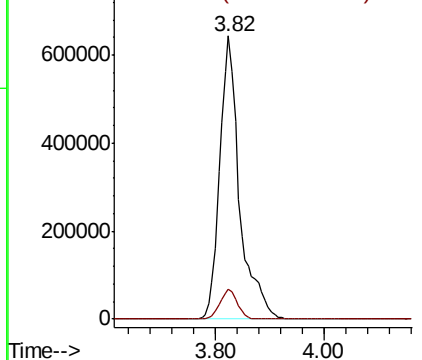
MMDadoda

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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: 49.29 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

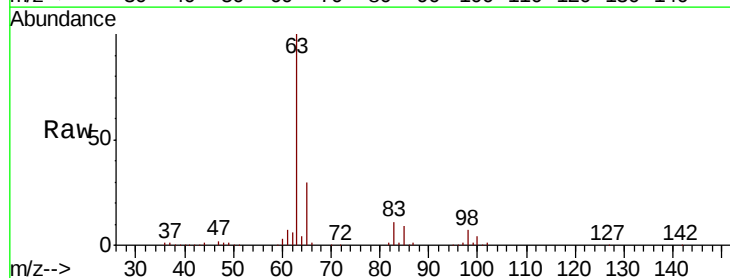
Tgt Ion: 63 Resp: 277960

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

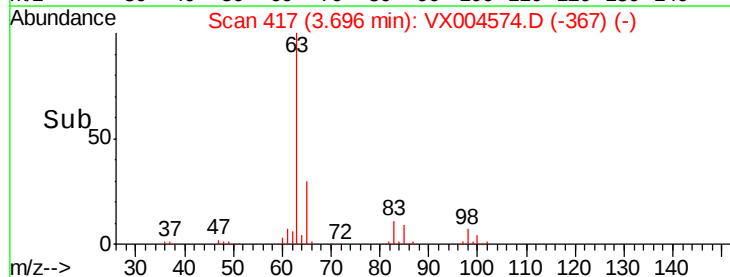
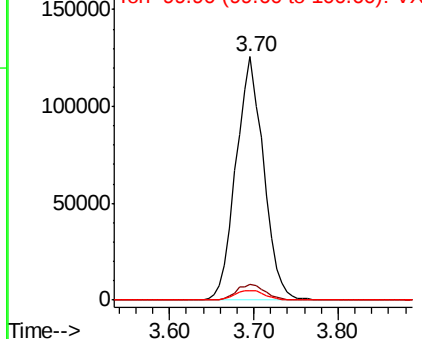
100 3.9 2.4 7.1

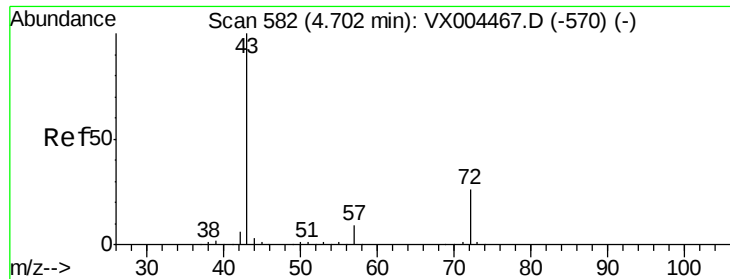


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 220.66 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MSD

Tot Ion: 43 Resp: 570595

Ion Ratio Lower Upper

43 100

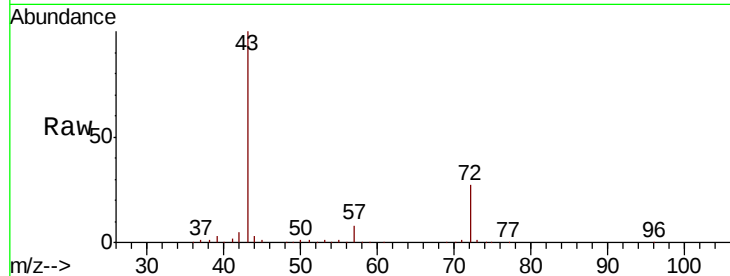
72 27.2 22.0 33.0

Manual Integrations

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9/17/2018 5:09:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

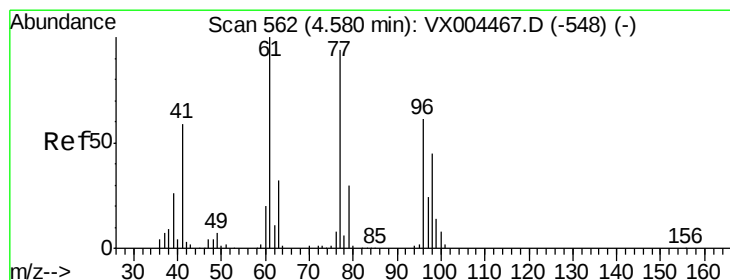
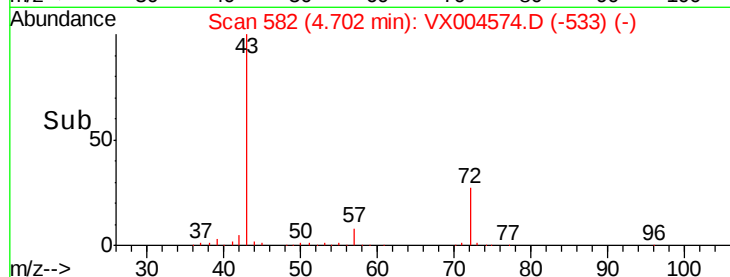
100000

50000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 32.02 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004574.D

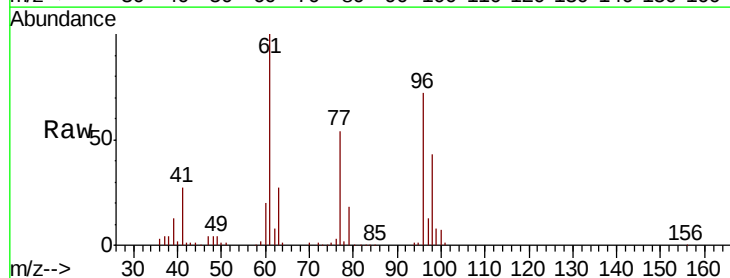
Acq: 15 Sep 2018 09:49

Tgt Ion: 77 Resp: 124033

Ion Ratio Lower Upper

77 100

97 26.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

30000

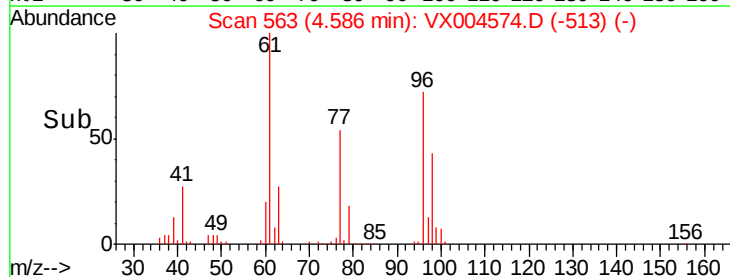
20000

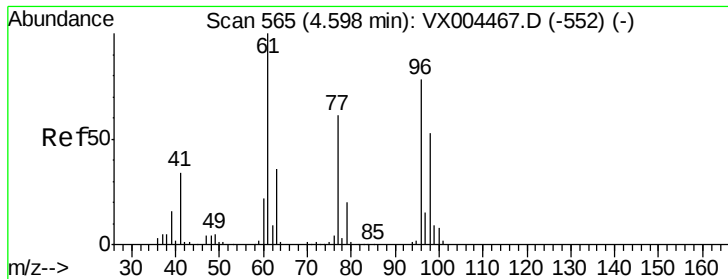
10000

0

Time-->

4.50 4.60 4.70





#27

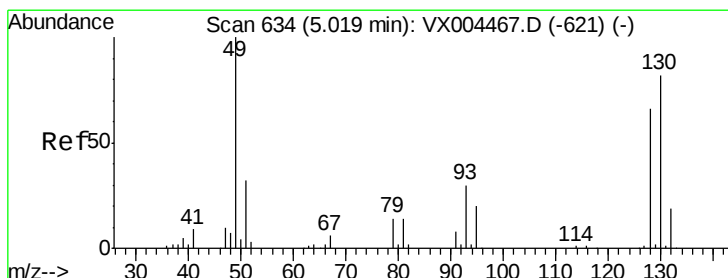
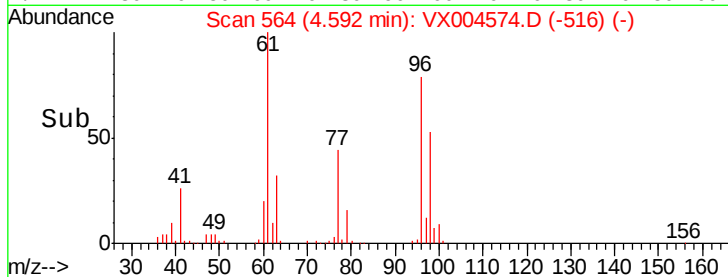
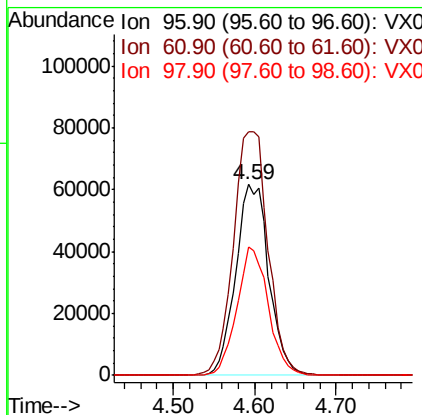
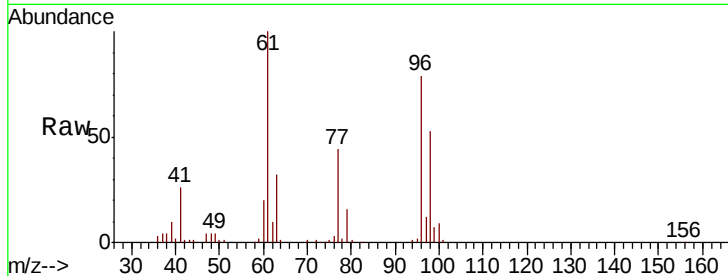
cis-1,2-Dichloroethene
 Concen: 52.27 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	282.6
98	63.7	0.0	130.2

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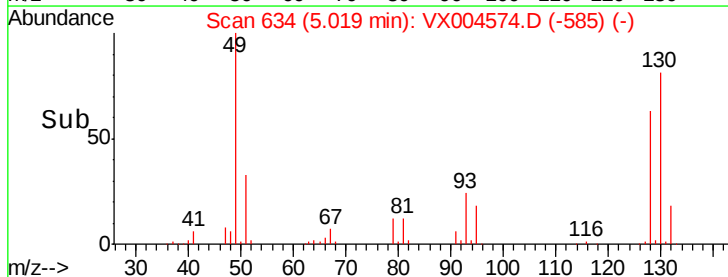
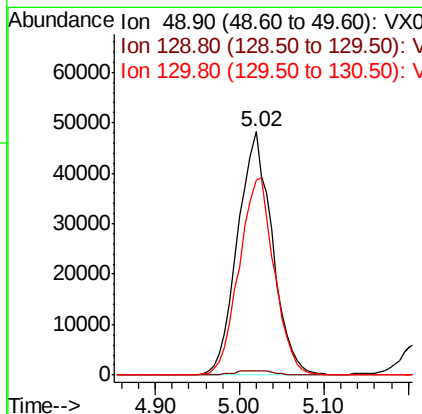
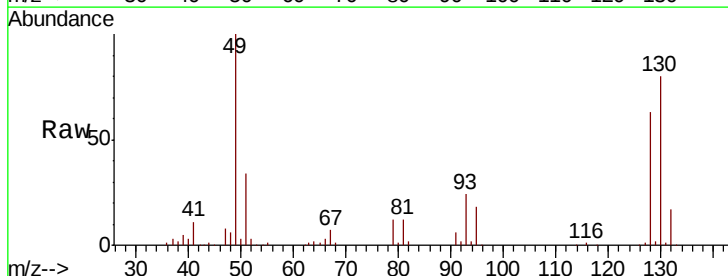
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 9/17/2018 5:09:32 PM

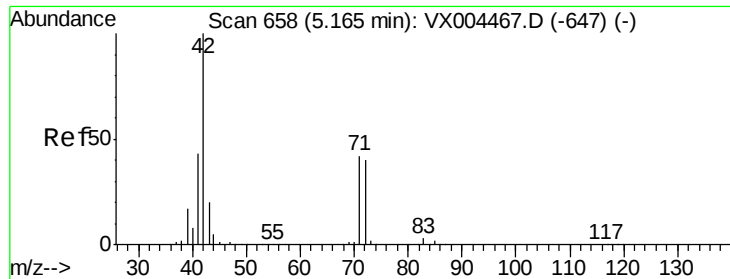


#28

Bromochloromethane
 Concen: 52.13 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	82.3	67.5	101.3





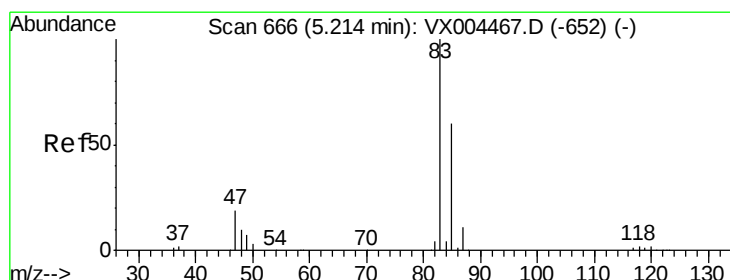
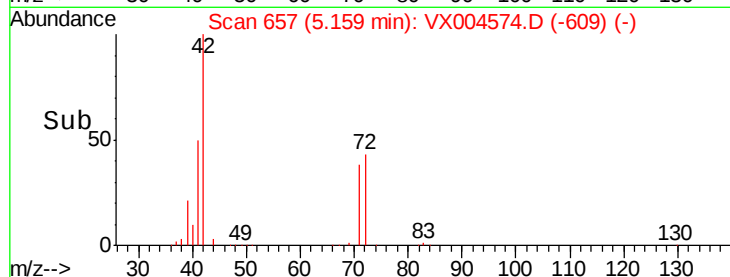
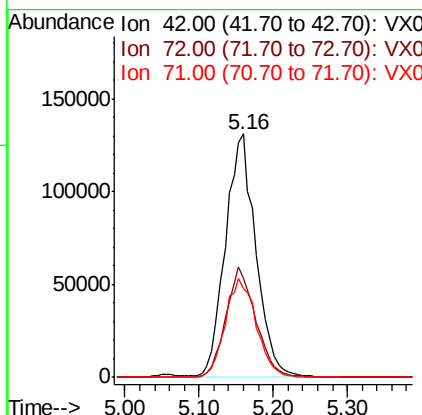
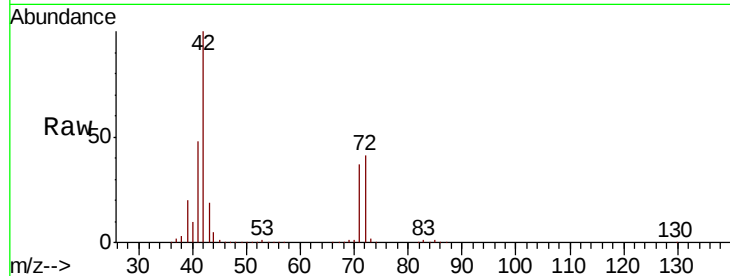
#29
Tetrahydrofuran
Concen: 239.05 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MSD

Tot Ion:	42	Resp:	372782
Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.4	56.0
71	41.7	34.5	51.7

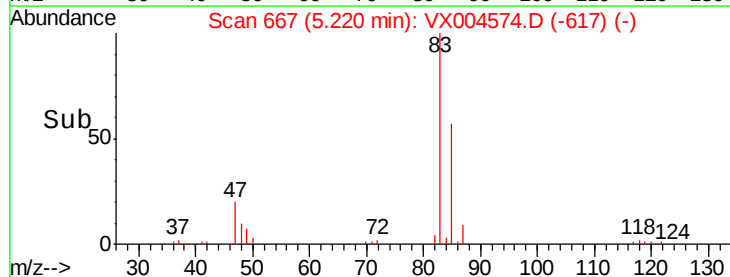
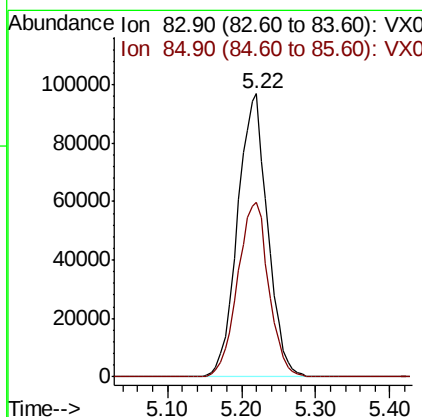
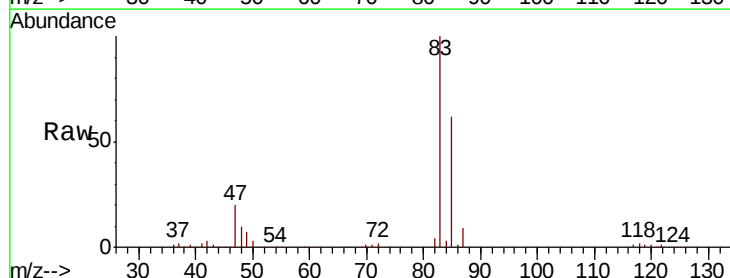
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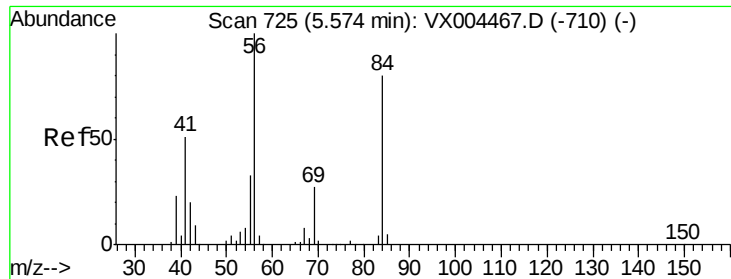
MMDadoda
9/17/2018 5:09:32 PM



#30
Chloroform
Concen: 49.76 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion:	83	Resp:	273991
Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.6	79.0





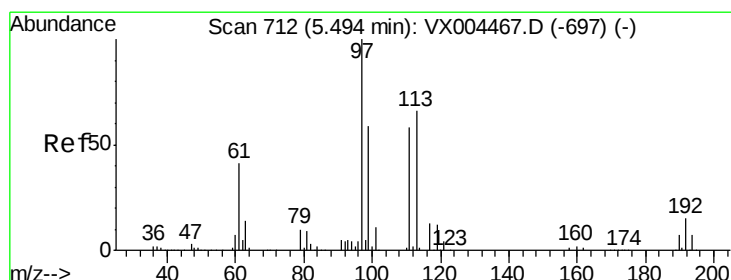
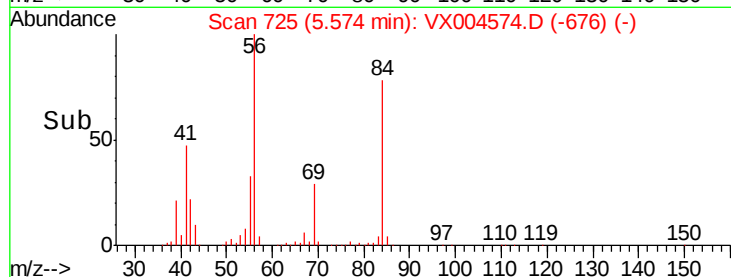
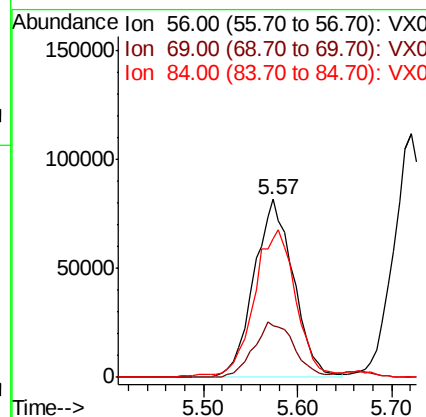
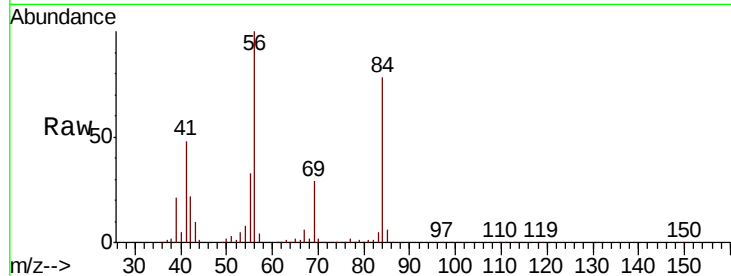
#31
Cyclohexane
Concen: 49.96 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampled :
S13-0242MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.8	25.4	38.2
84	76.8	71.4	107.2

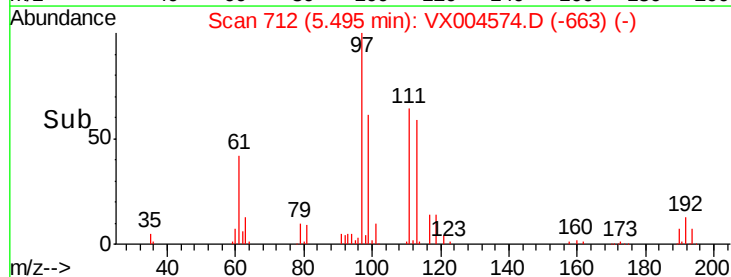
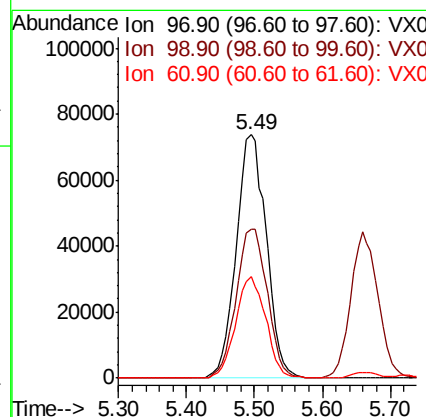
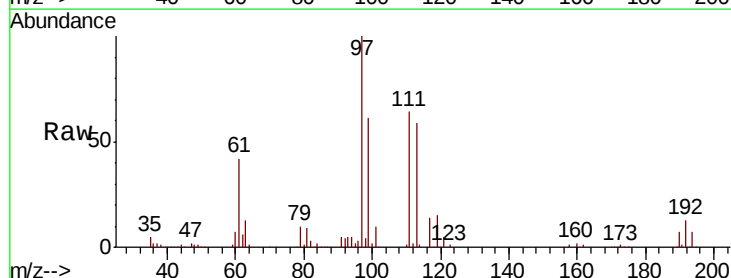
Manual Integrations
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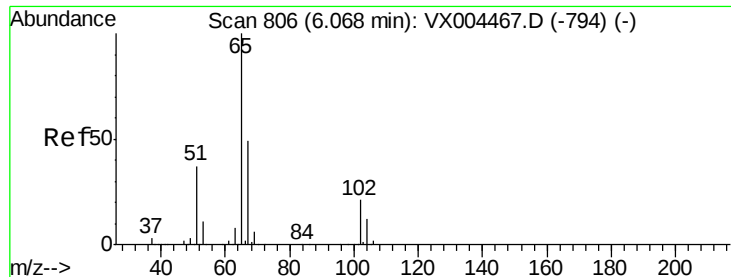
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.02 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.0	78.0
61	41.8	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 49.05 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Tot Ion: 65 Resp: 163283

Ion Ratio Lower Upper

65 100

67 56.0 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

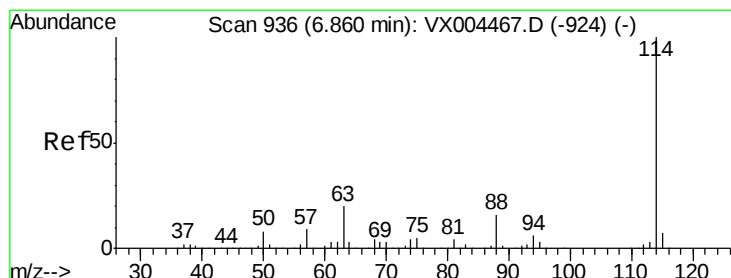
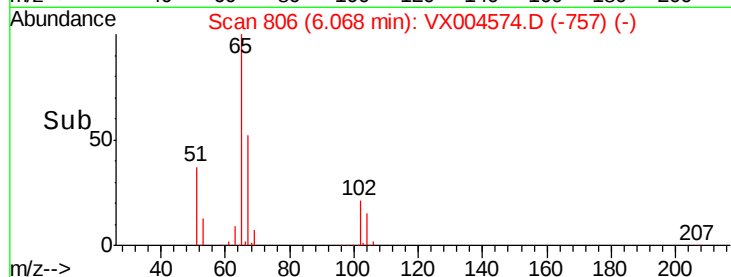
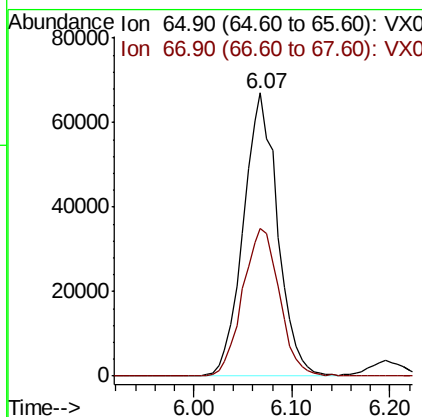
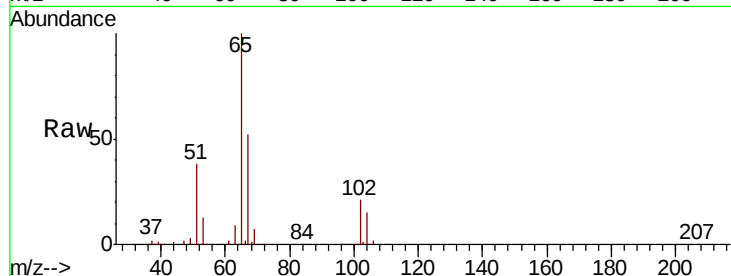
S13-0242MSD

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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: VX004574.D

Acq: 15 Sep 2018 09:49

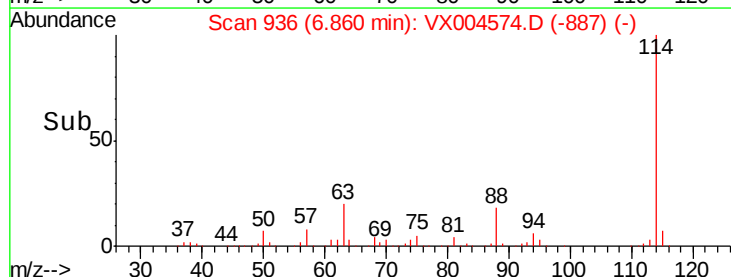
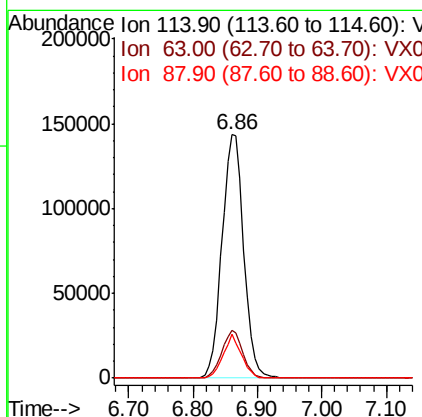
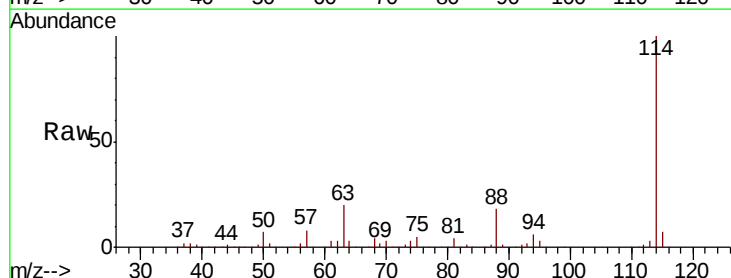
Tgt Ion: 114 Resp: 342336

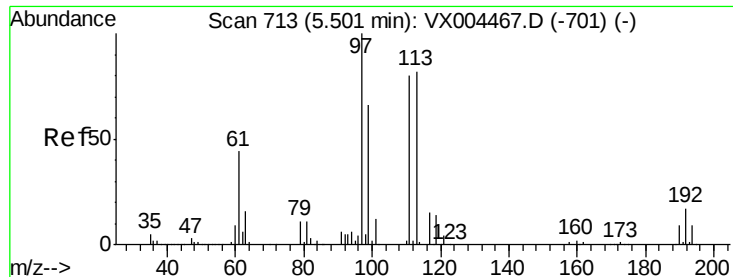
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

88 18.2 0.0 30.4





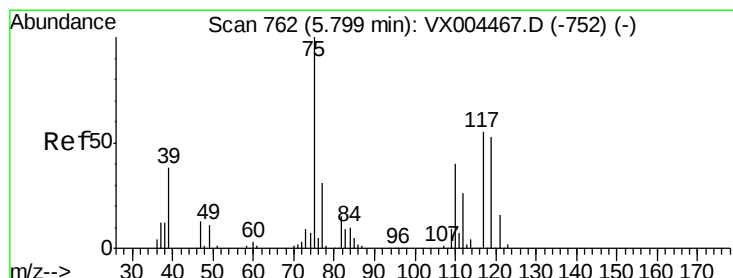
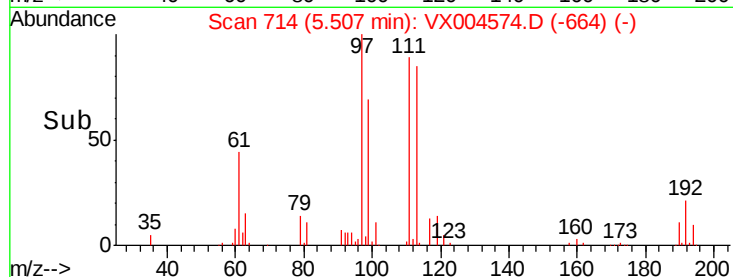
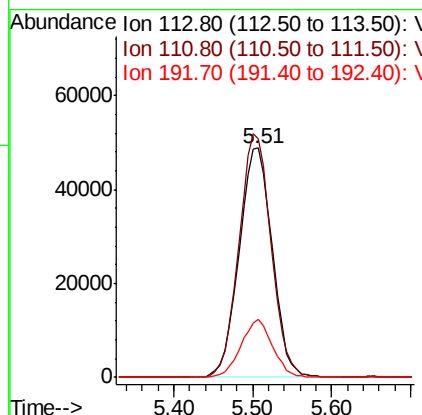
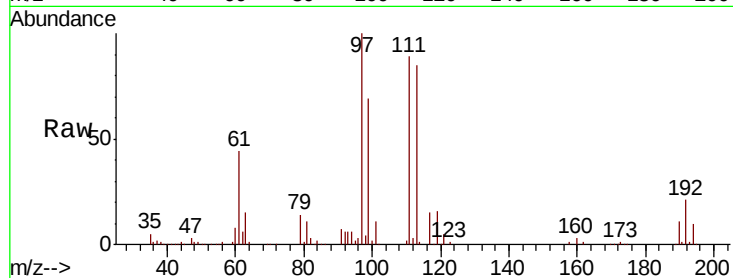
#35
 Dibromofluoromethane
 Concen: 45.55 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142687		
111	103.3	82.4	123.6	
192	23.9	19.4	29.2	

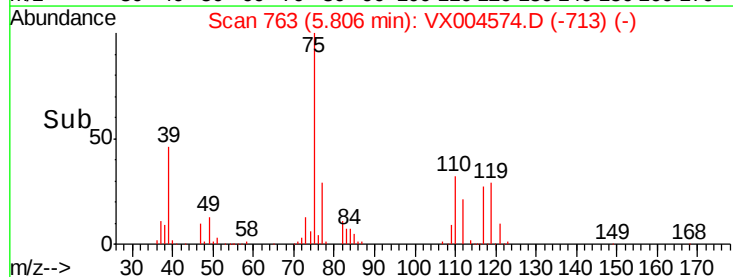
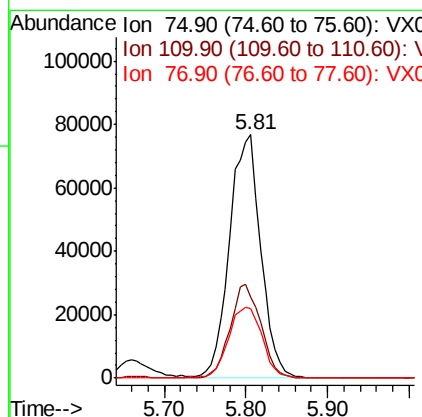
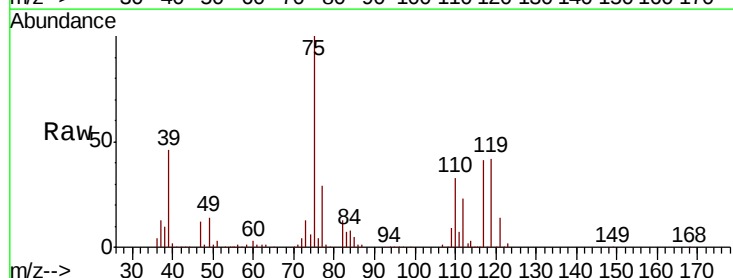
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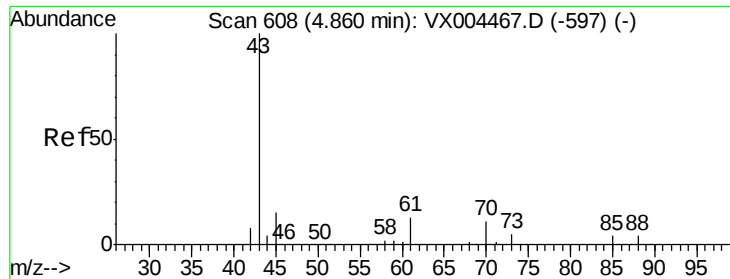
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#36
 1,1-Dichloropropene
 Concen: 48.76 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	202647		
110	38.0	18.0	54.0	
77	31.9	24.6	36.8	





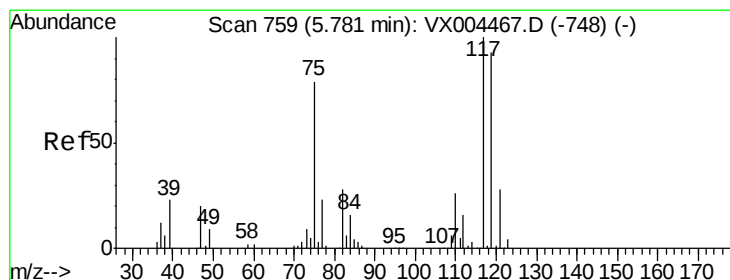
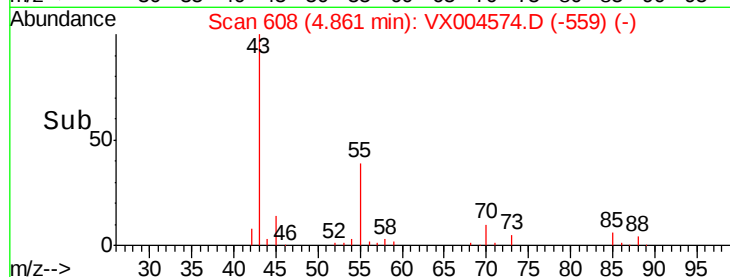
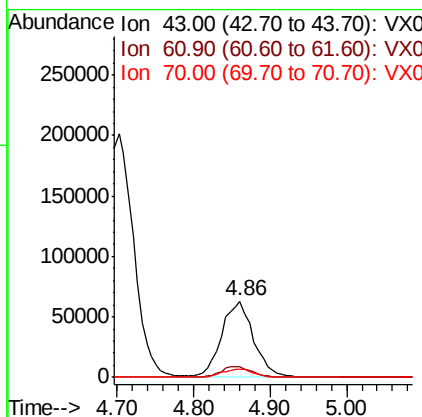
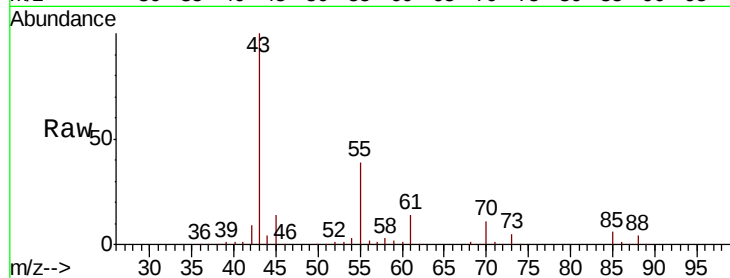
#37
Ethyl Acetate
Concen: 38.06 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MSD

Tot Ion:	43	Resp:	179927
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.0	9.0	13.6

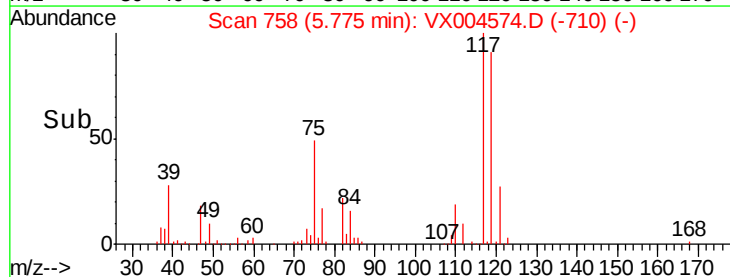
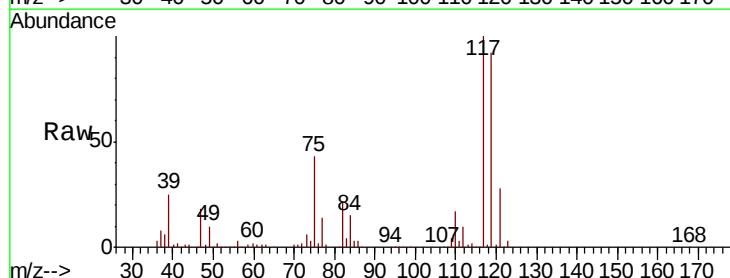
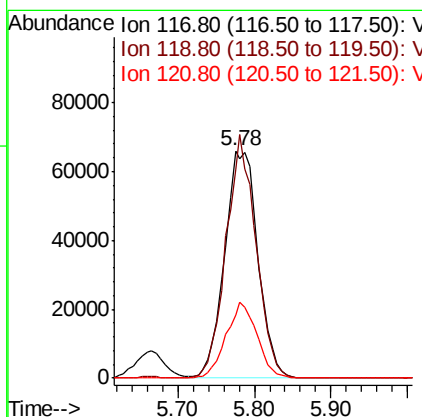
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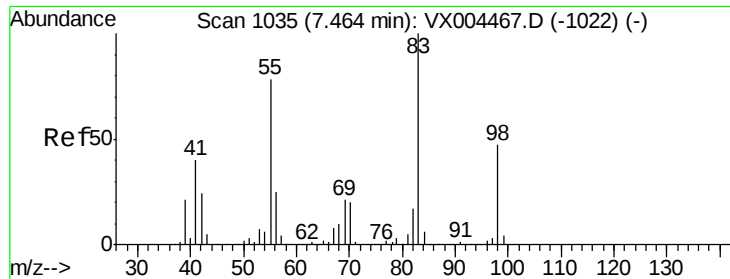
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#38
Carbon Tetrachloride
Concen: 49.04 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion:	117	Resp:	199053
Ion	Ratio	Lower	Upper
117	100		
119	91.6	78.8	118.2
121	27.6	24.9	37.3





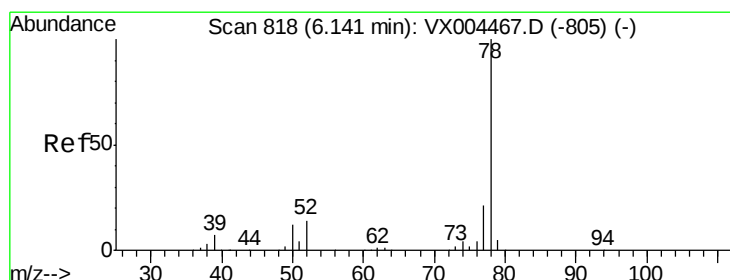
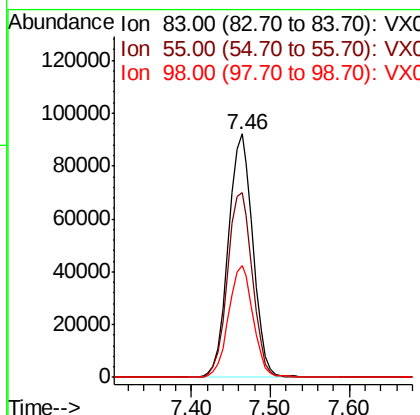
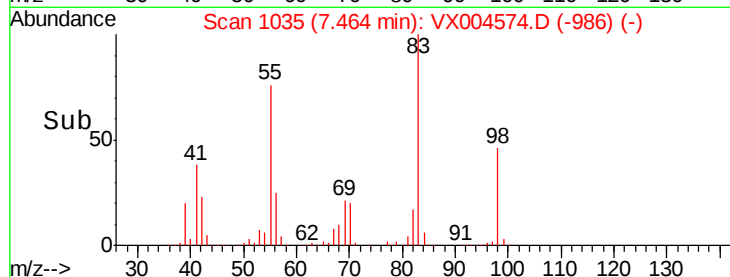
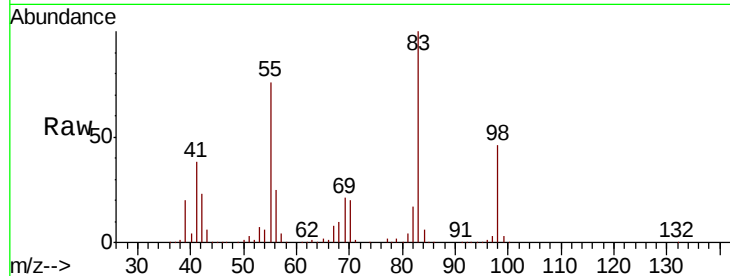
#39
Methylvlcyclohexane
Concen: 46.08 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199849		
55	76.0		61.0	91.4
98	45.8		39.6	59.4

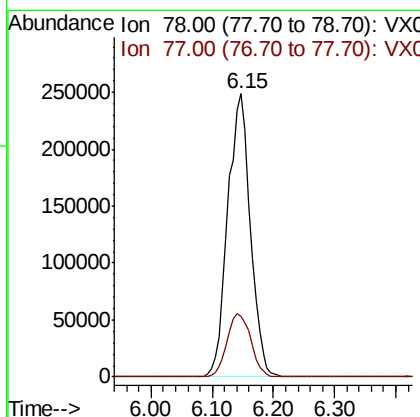
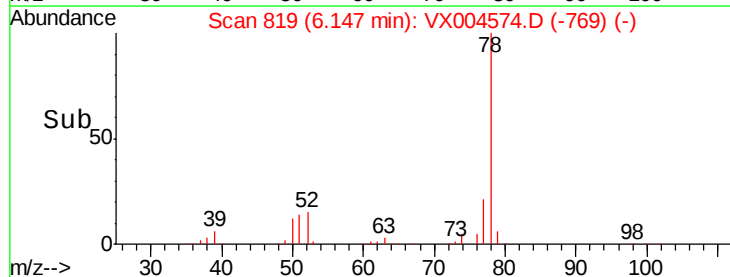
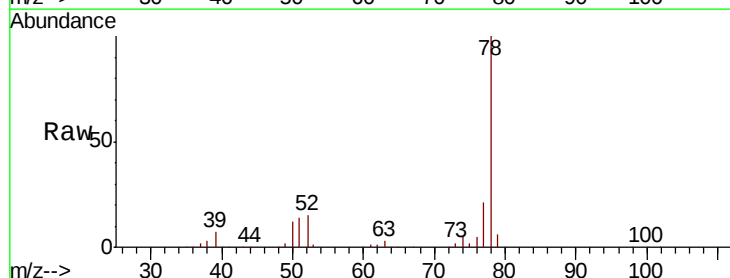
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#40
Benzene
Concen: 51.14 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	630647		
77	21.4		19.0	28.4





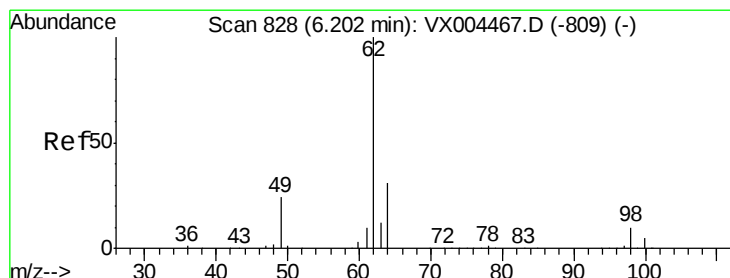
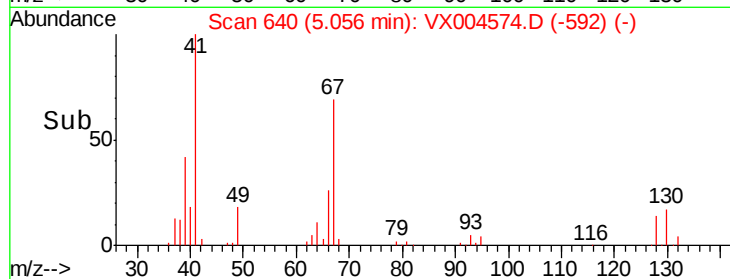
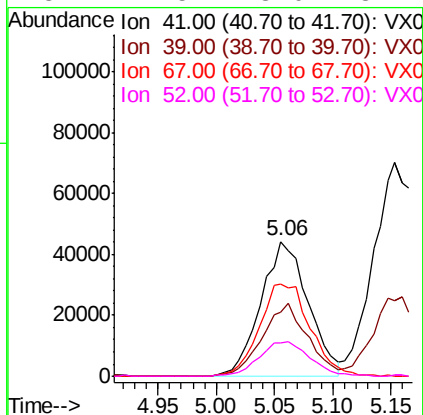
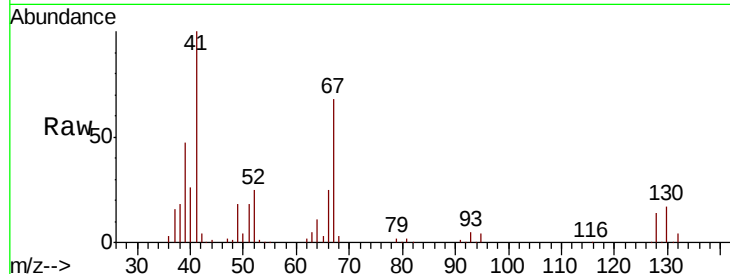
#41
Methacrylonitrile
Concen: 47.96 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.3	42.4	63.6	
67	73.2	59.2	88.8	
52	27.5	23.0	34.4	

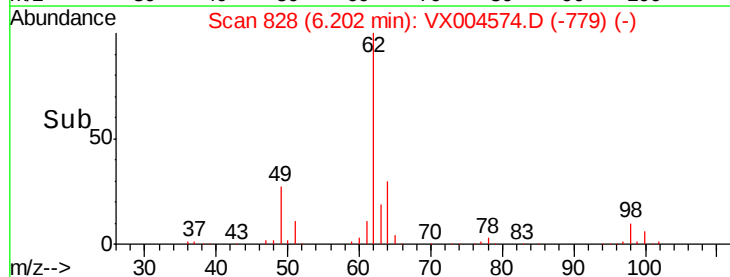
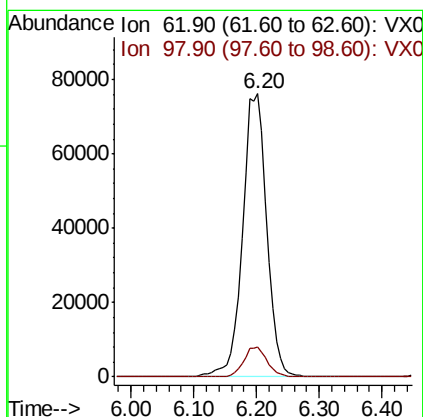
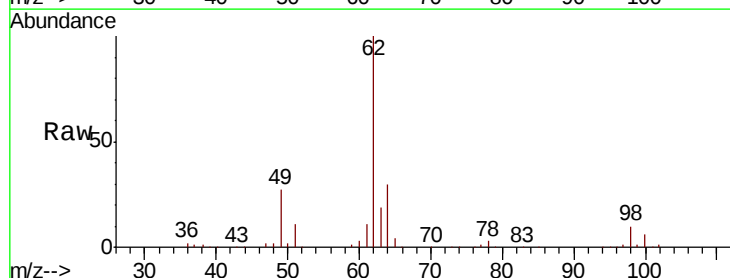
Manual Integrations
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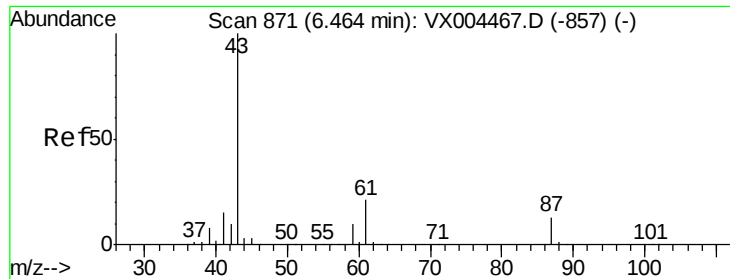
MMDadoda
9/17/2018 5:09:32 PM



#42
1,2-Dichloroethane
Concen: 49.63 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.6	





#43

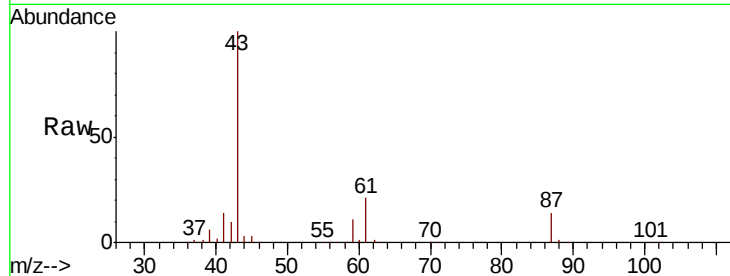
Isopropyl Acetate
 Concen: 43.41 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Instrument :
 MSVOA_X
 ClientSampleID :
 S13-0242MSD

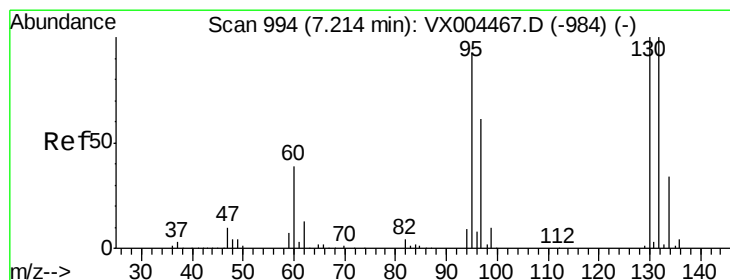
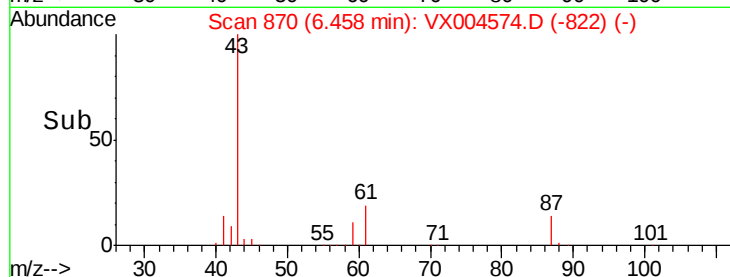
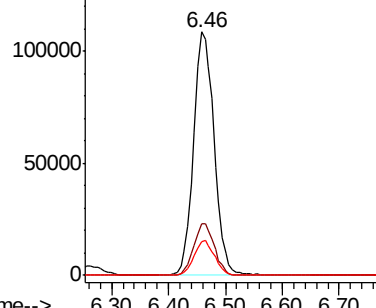
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.0	25.4
87	14.3	11.4	17.2

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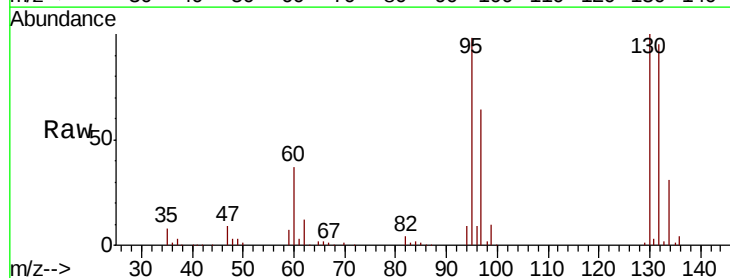
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



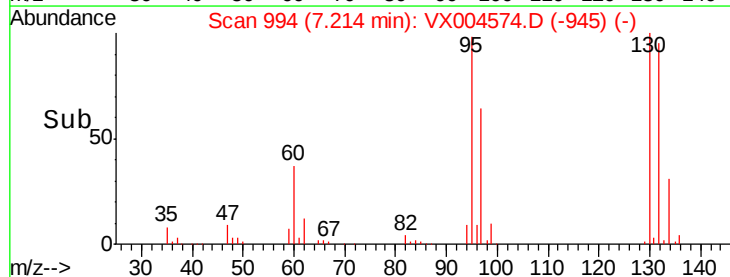
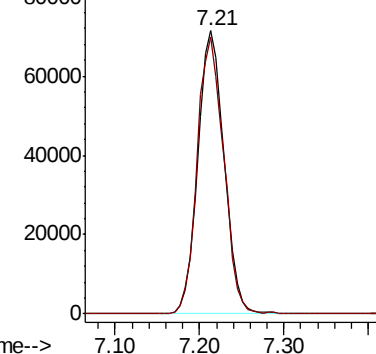
#44

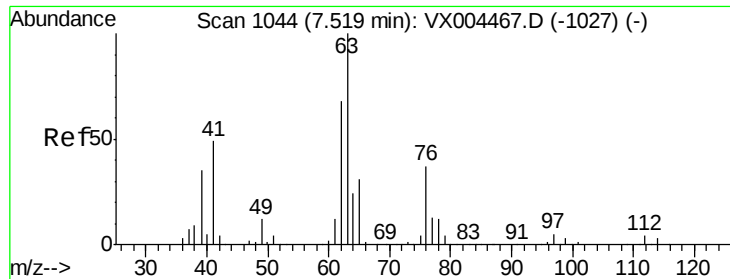
Trichloroethene
 Concen: 47.30 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	181.6



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





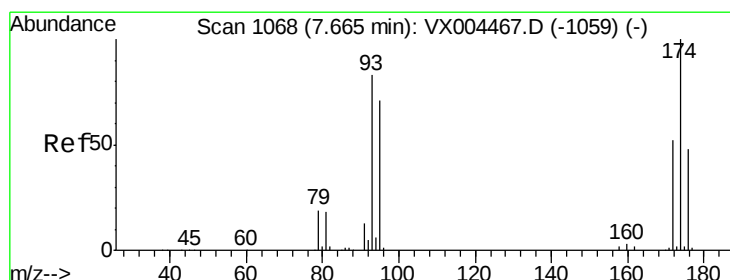
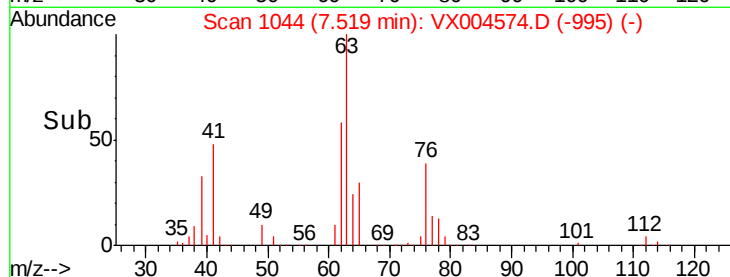
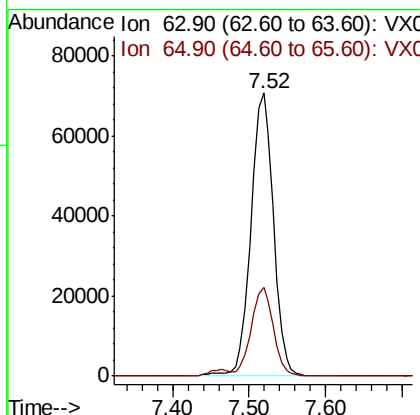
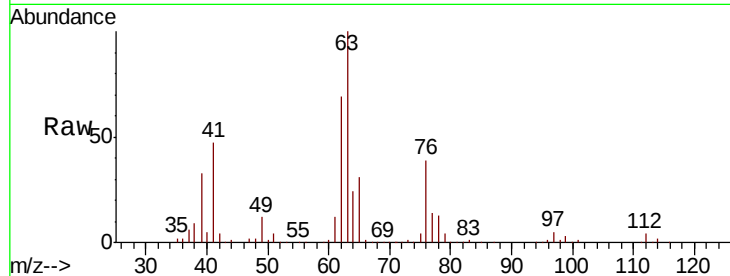
#45
 1,2-Dichloropropane
 Concen: 49.06 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.3	36.5

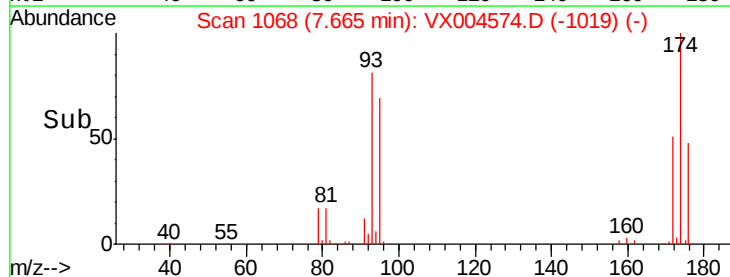
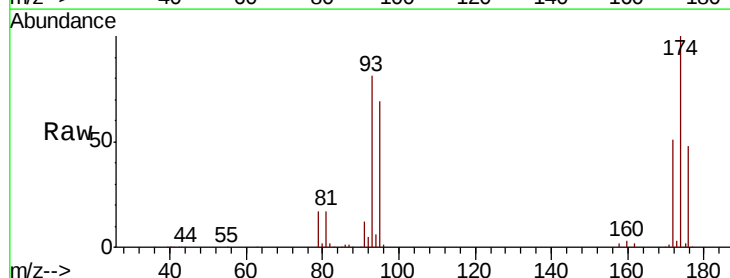
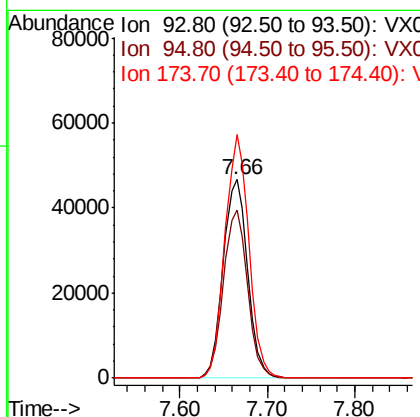
Manual Integrations
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 9/17/2018 5:09:32 PM



#46
 Dibromomethane
 Concen: 48.45 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.5	98.3
174	119.9	94.2	141.4





#47

Bromodichloromethane

Concen: 49.07 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MSD

Tot Ion: 83 Resp: 173971

Ion Ratio Lower Upper

83 100

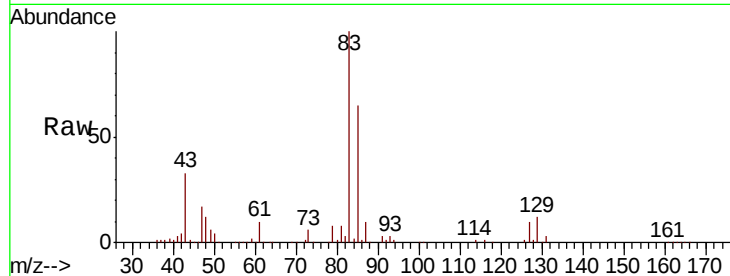
85 64.9 50.9 76.3

127 9.8 7.3 10.9

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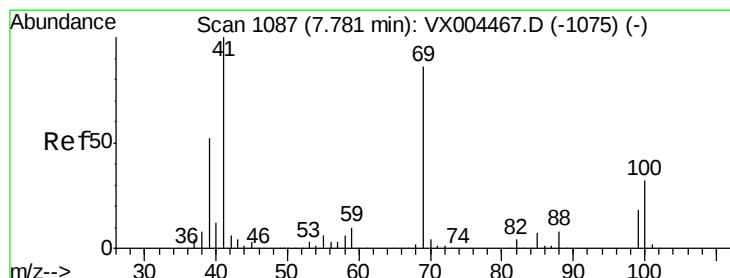
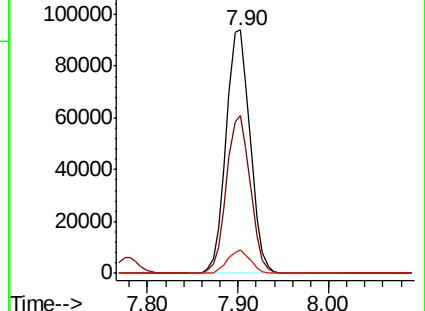
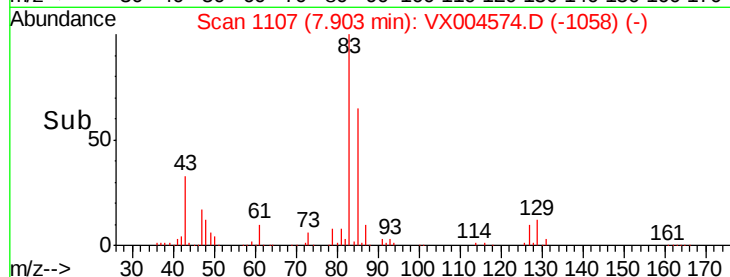
9/17/2018 5:09:32 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.03 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

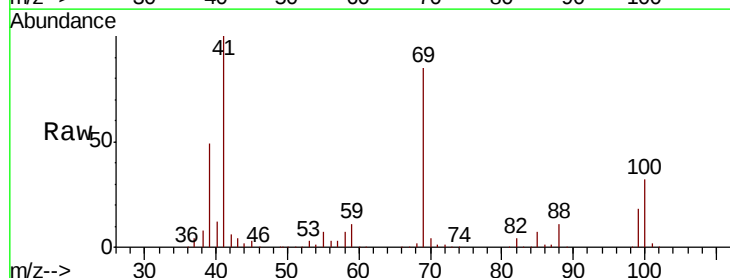
Tgt Ion: 41 Resp: 152349

Ion Ratio Lower Upper

41 100

69 87.5 70.2 105.4

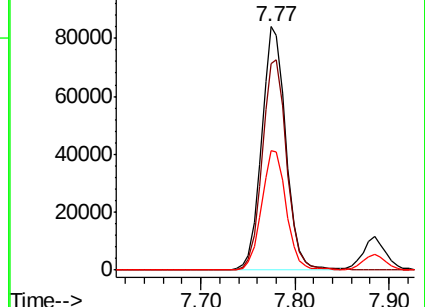
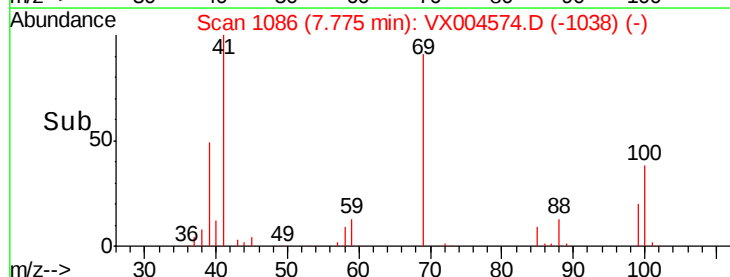
39 50.1 42.7 64.1

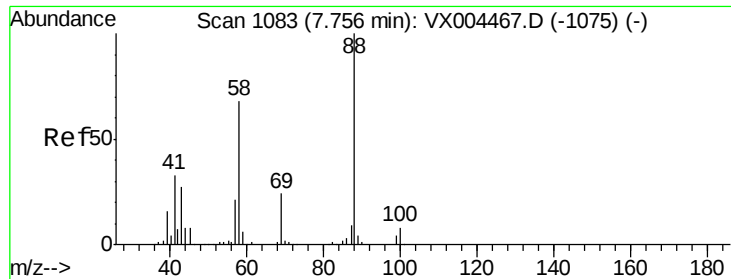


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





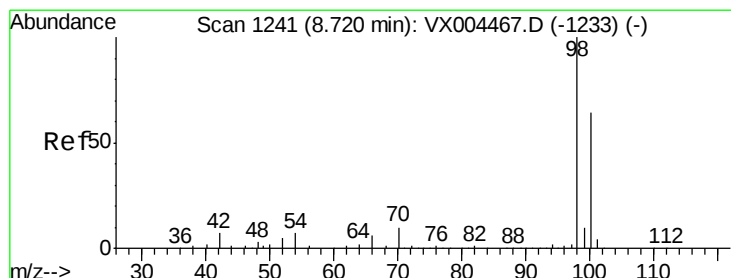
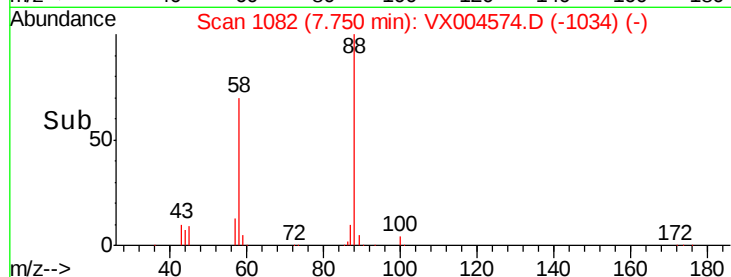
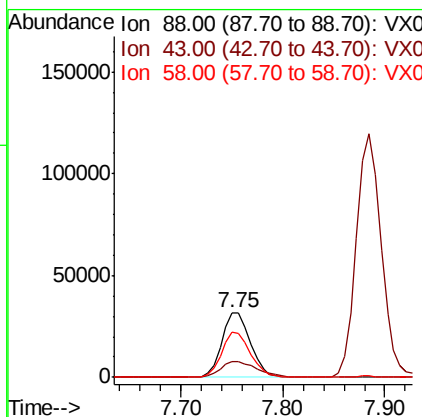
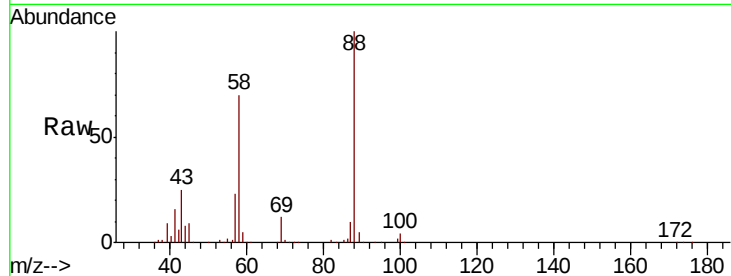
#49
1,4-Dioxane
Concen: 839.97 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	24.7	37.1
58	71.2	55.3	82.9

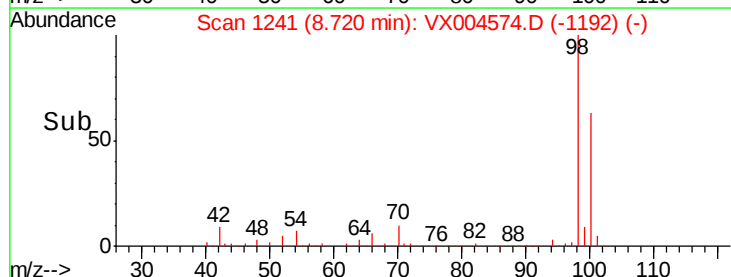
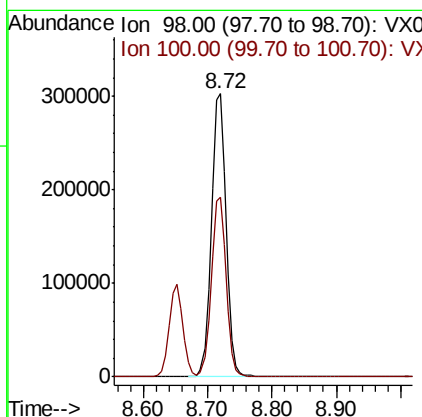
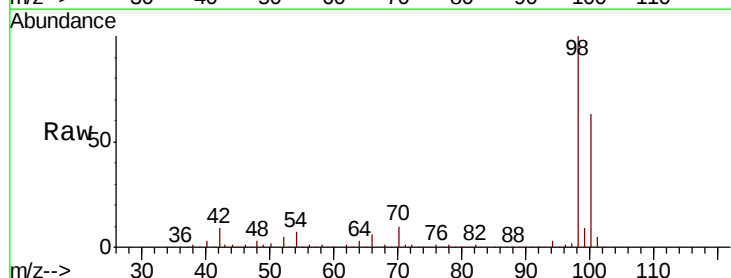
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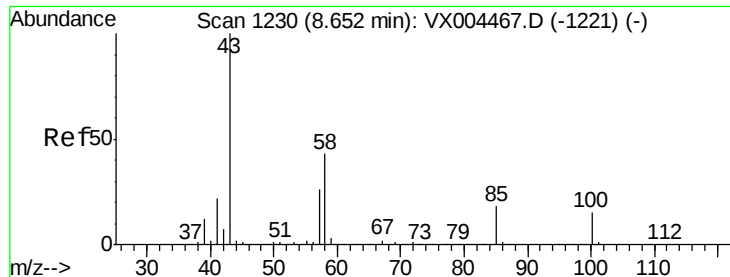
MMDadoda
9/17/2018 5:09:32 PM



#50
Toluene-d8
Concen: 46.40 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 216.95 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MSD

Tot Ion: 43 Resp: 961234

Ion Ratio Lower Upper

43 100

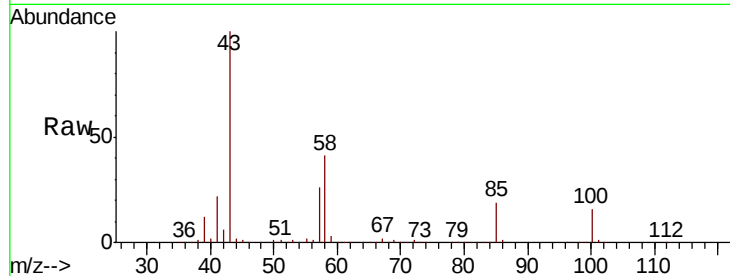
58 40.5 33.1 49.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

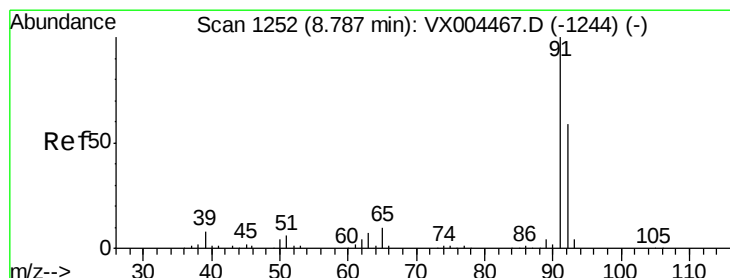
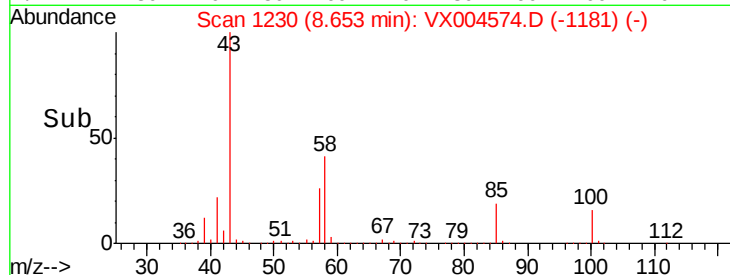
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 47.13 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004574.D

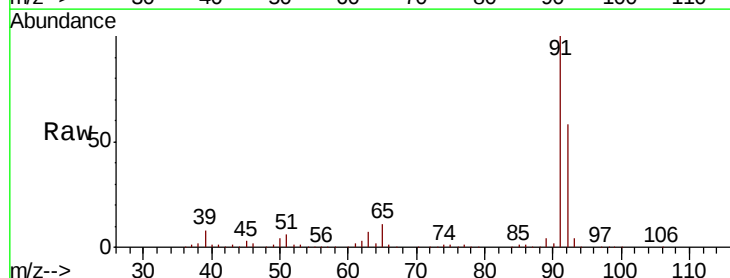
Acq: 15 Sep 2018 09:49

Tgt Ion: 92 Resp: 342384

Ion Ratio Lower Upper

92 100

91 173.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

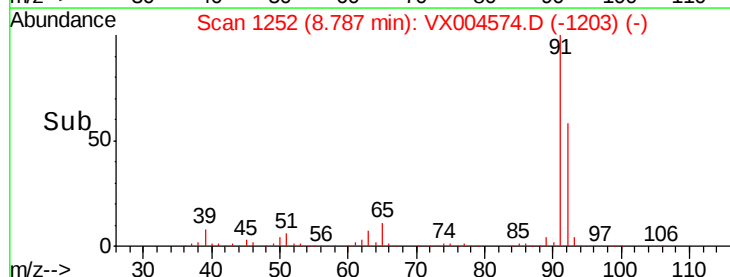
300000

200000

100000

0

Time-->





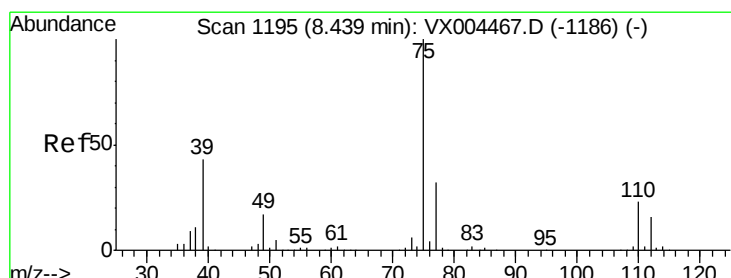
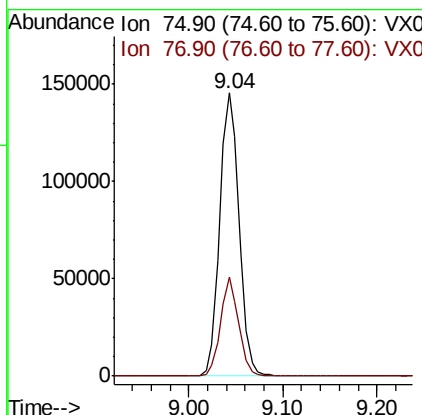
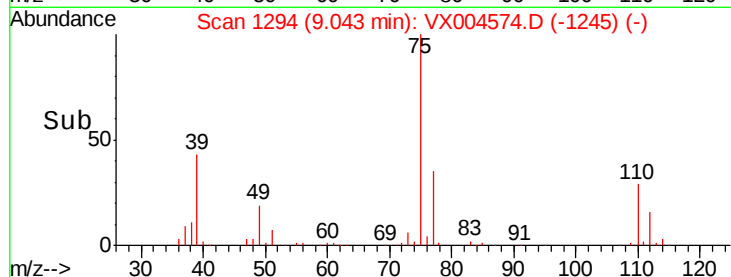
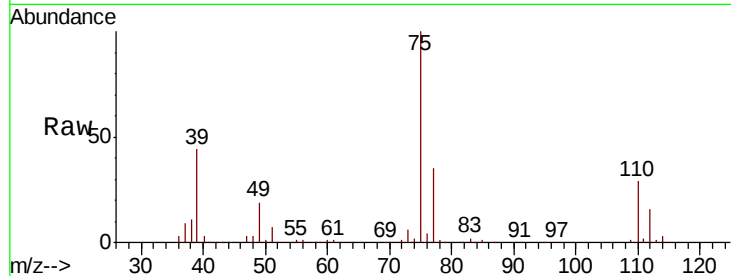
#53
 t-1,3-Dichloropropene
 Concen: 50.03 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MSD

Tot Ion: 75 Resp: 207184
 Ion Ratio Lower Upper
 75 100
 77 34.9 24.6 37.0

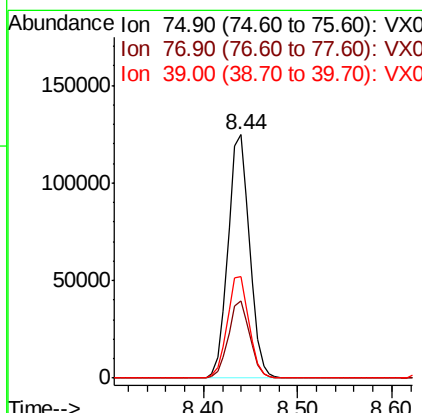
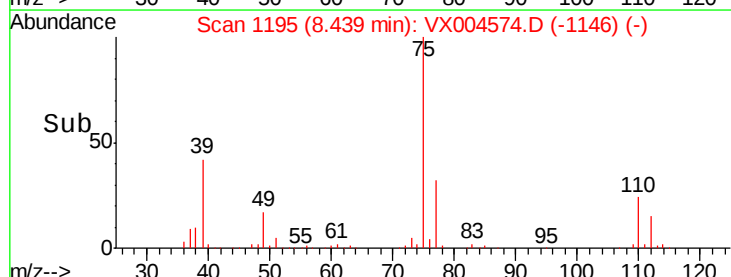
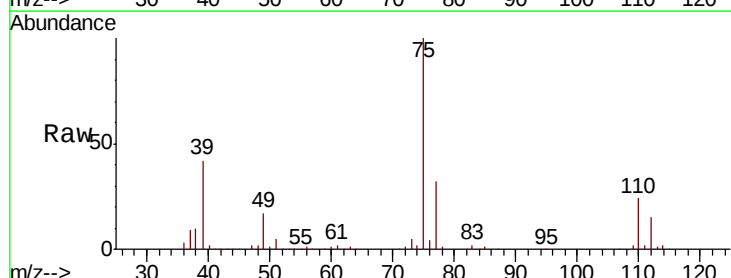
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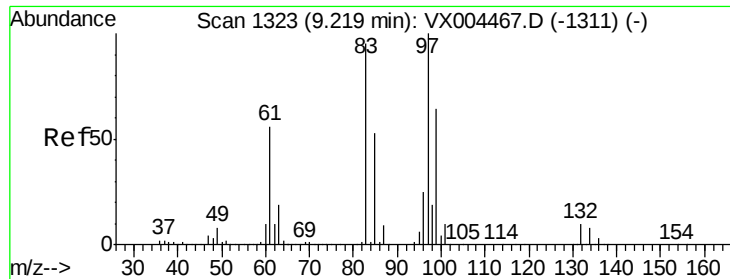
MMDadoda
 9/17/2018 5:09:32 PM



#54
 cis-1,3-Dichloropropene
 Concen: 46.93 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Tgt Ion: 75 Resp: 198112
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2
 39 41.8 36.4 54.6





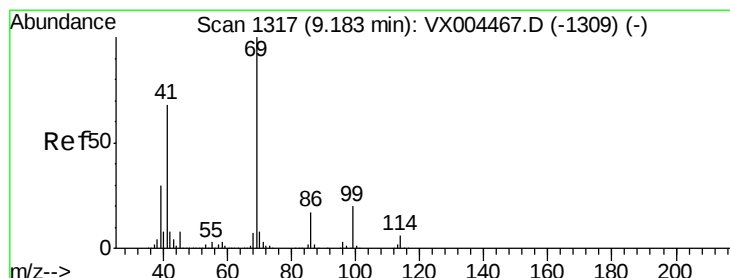
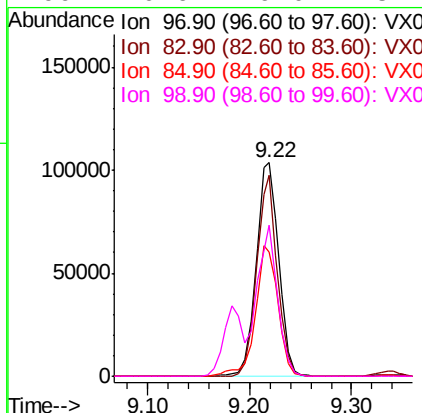
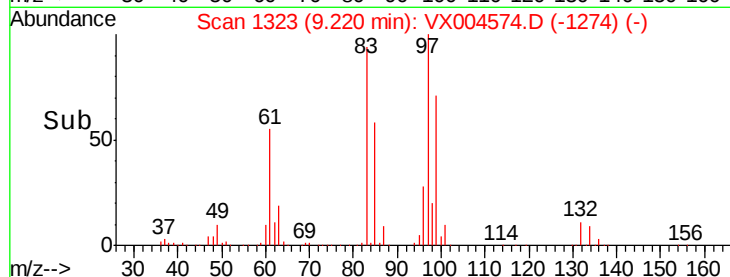
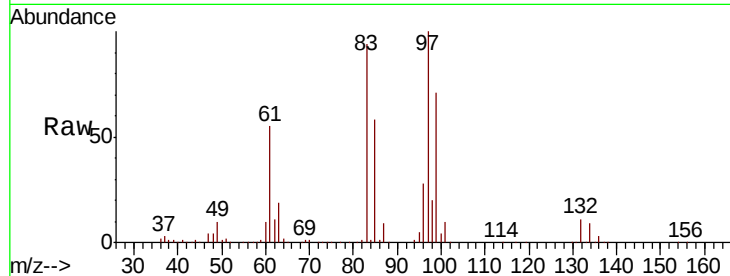
#55
 1,1,2-Trichloroethane
 Concen: 51.33 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		160566		
83	94.1	66.4	99.6		
85	58.2	43.3	64.9		
99	70.6	49.0	73.4		

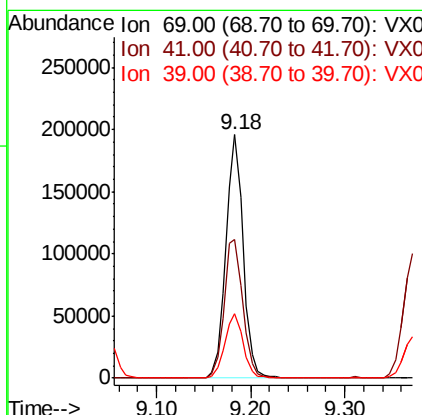
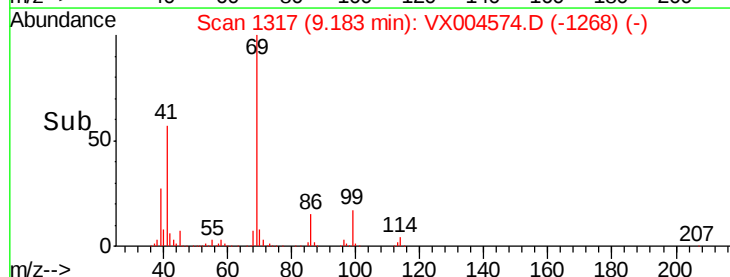
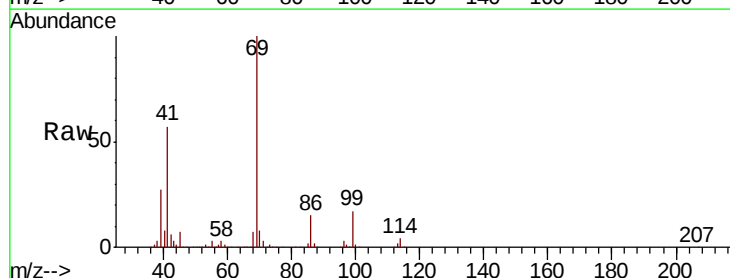
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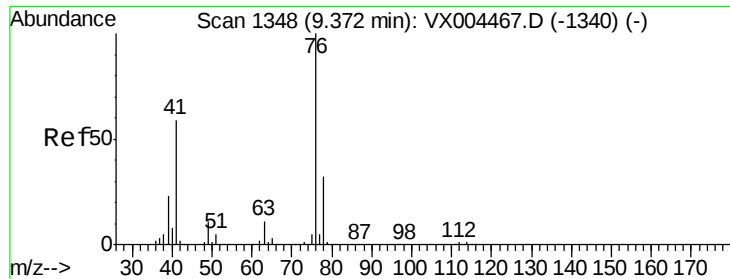
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#56
 Ethyl methacrylate
 Concen: 56.41 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		249659		
41	61.5	51.0	76.4		
39	28.0	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 51.33 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MSD

Tot Ion: 76 Resp: 260888

Ion Ratio Lower Upper

76 100

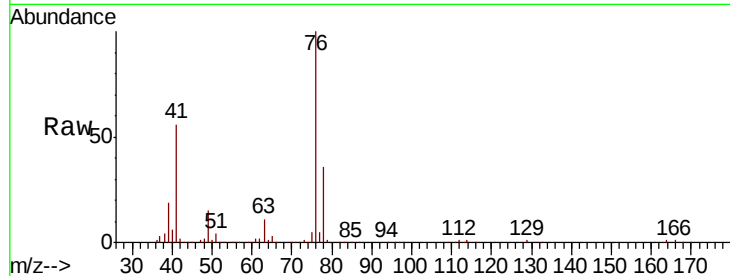
78 33.3 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

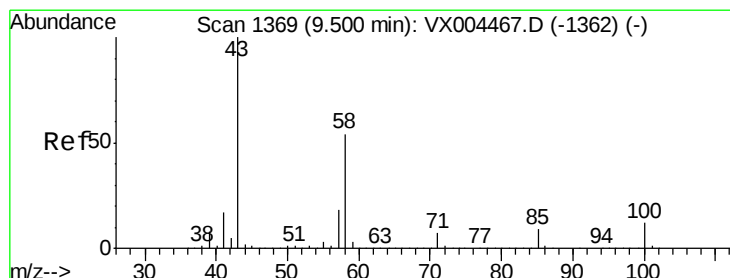
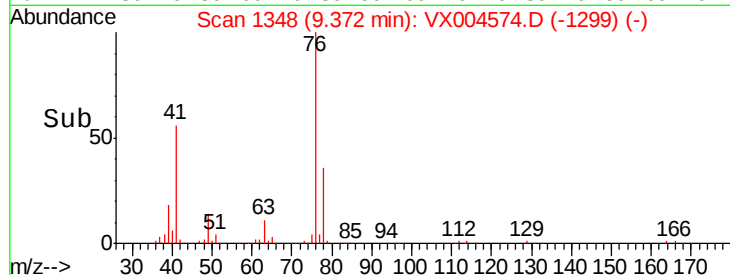
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 235.00 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VX004574.D

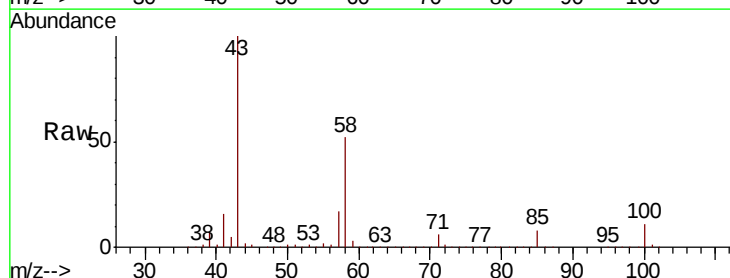
Acq: 15 Sep 2018 09:49

Tgt Ion: 43 Resp: 798645

Ion Ratio Lower Upper

43 100

58 53.2 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

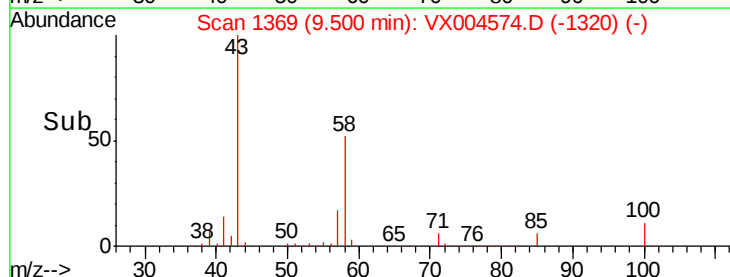
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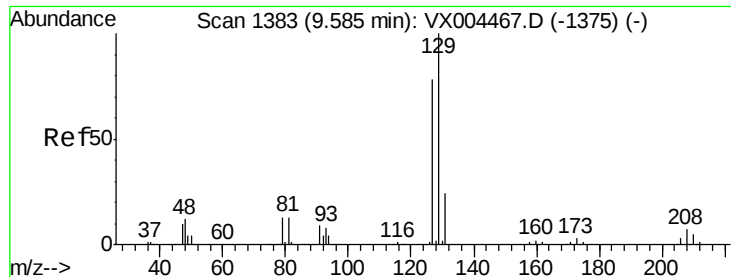
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 48.34 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MSD

Tot Ion:129 Resp: 142376

Ion Ratio Lower Upper

129 100

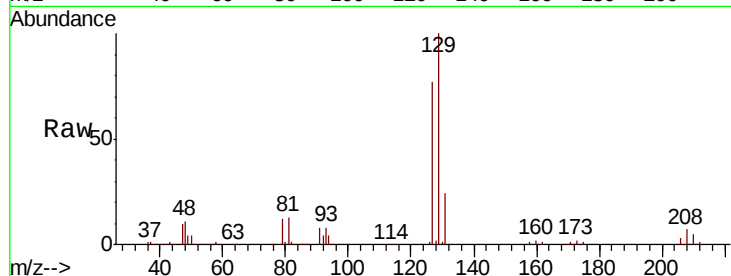
127 77.6 38.5 115.5

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

100000

80000

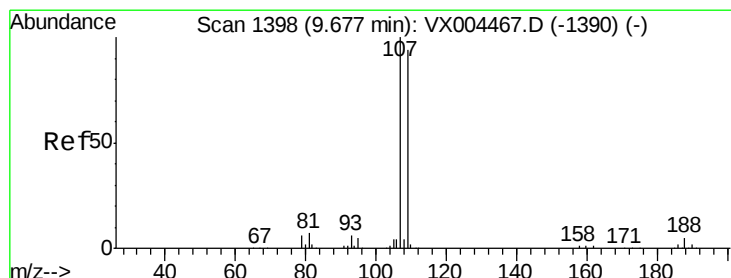
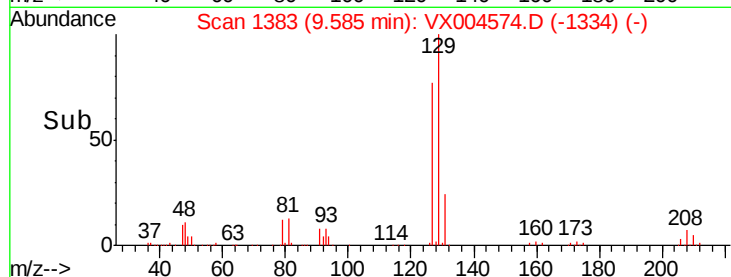
60000

40000

20000

0

Time-->



#61

1,2-Dibromoethane

Concen: 48.47 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VX004574.D

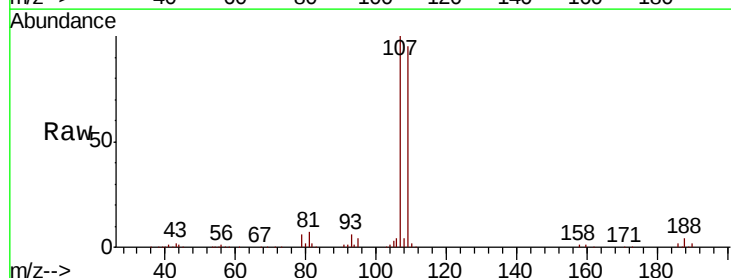
Acq: 15 Sep 2018 09:49

Tgt Ion:107 Resp: 144853

Ion Ratio Lower Upper

107 100

109 94.7 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

100000

80000

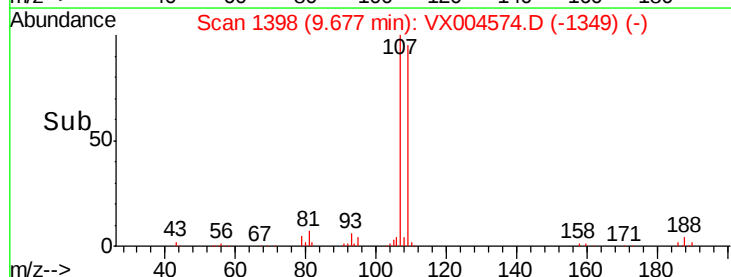
60000

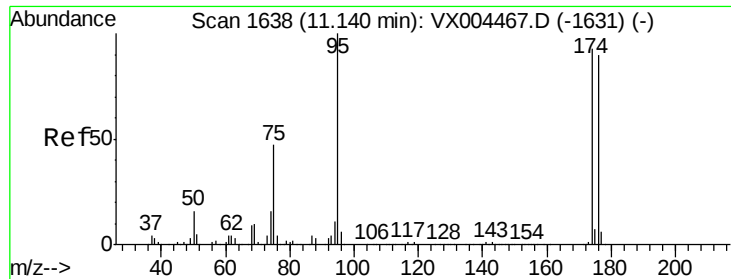
40000

20000

0

Time-->





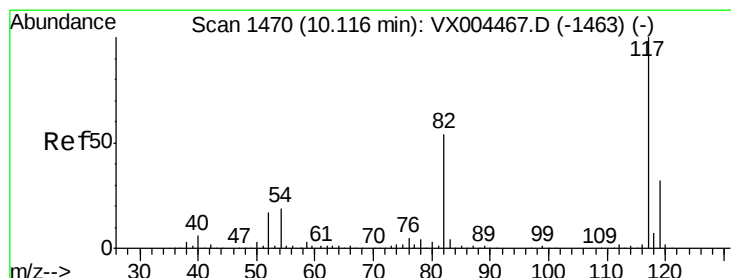
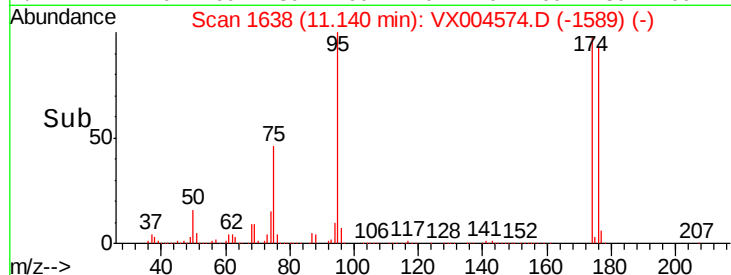
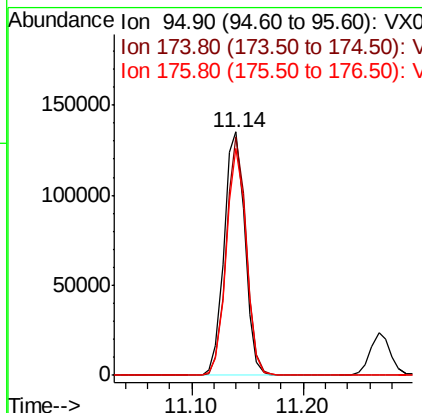
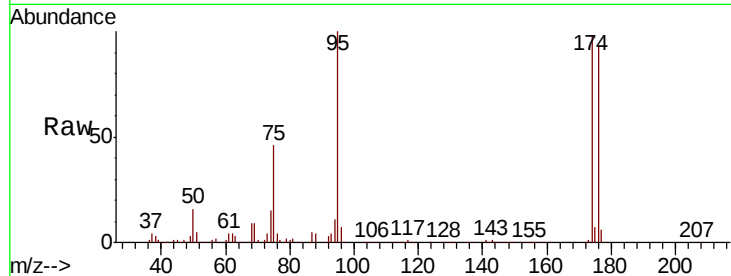
#62
4-Bromofluorobenzene
Concen: 46.57 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	174646		
174	93.9	0.0	185.2	
176	90.0	0.0	178.6	

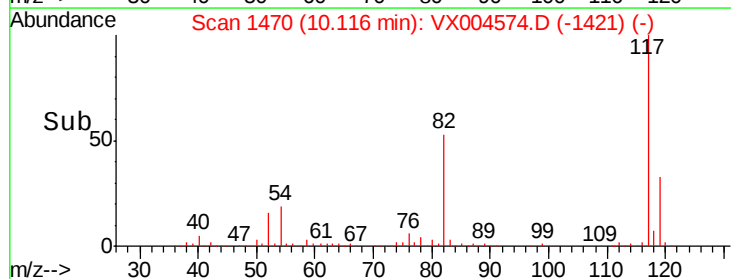
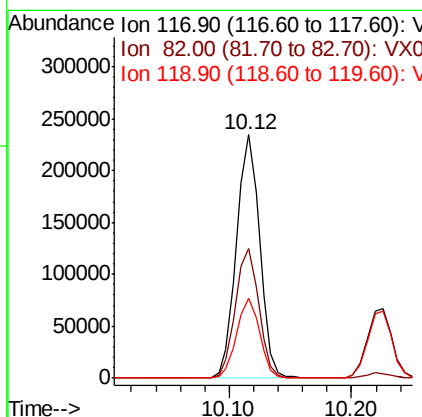
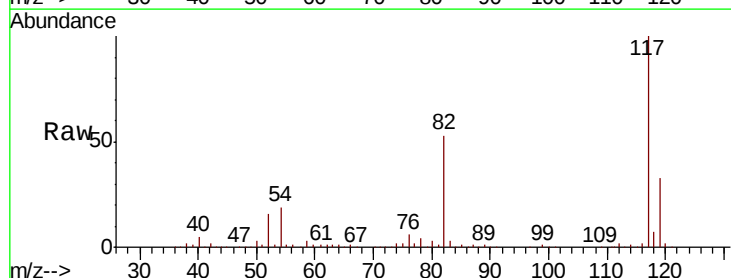
Manual Integrations
APPROVED

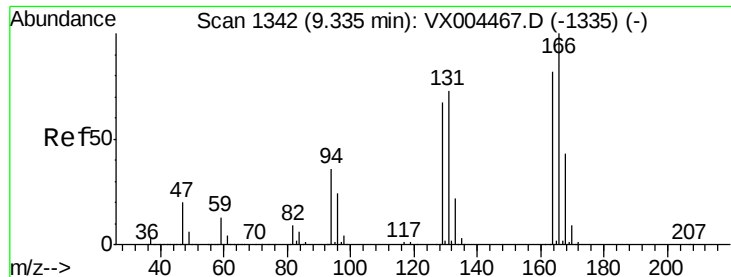
MMDadoda
9/17/2018 5:09:32 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	307659		
82	53.5	47.8	71.6	
119	33.0	29.3	43.9	





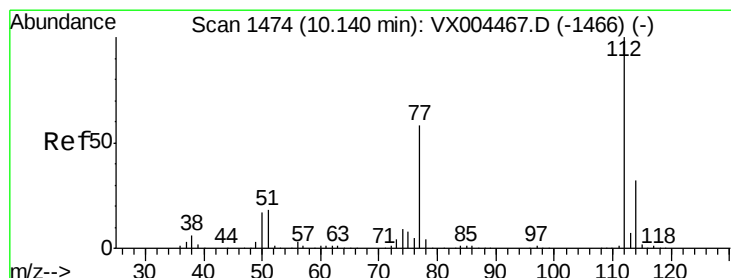
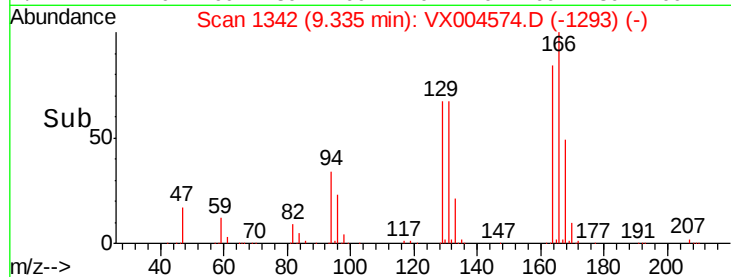
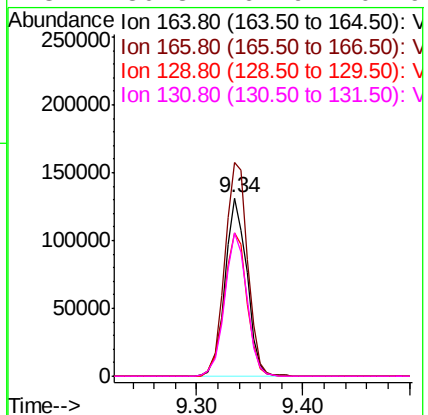
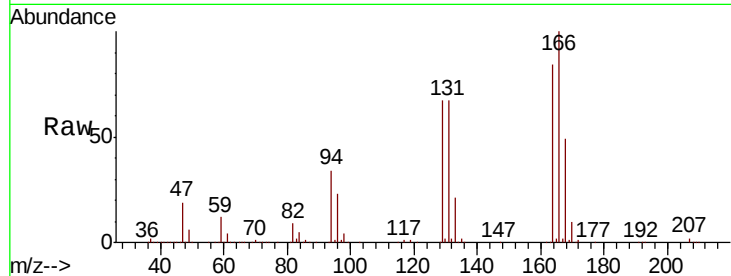
#64
Tetrachloroethene
Concen: 49.44 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	119.7	189904	102.8	154.2
129	80.1		69.4	104.0
131	80.3		67.9	101.9

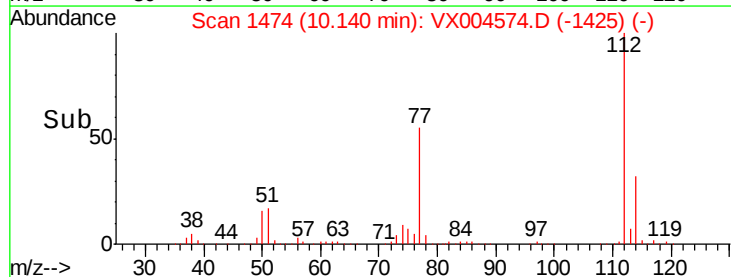
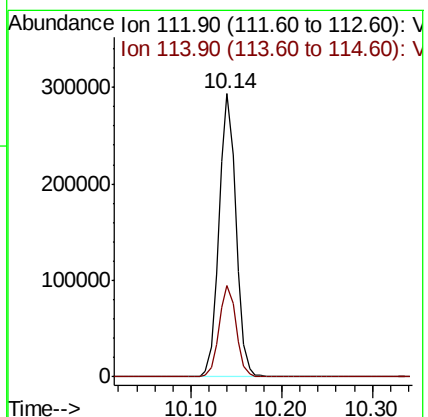
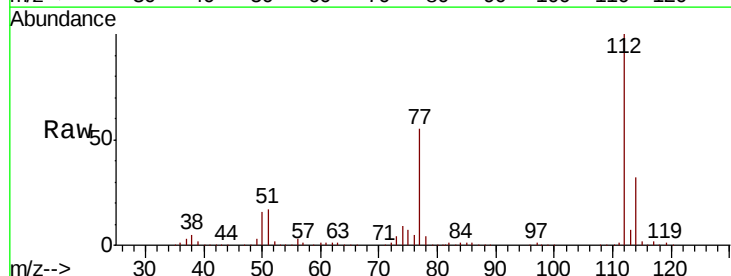
Manual Integrations
APPROVED

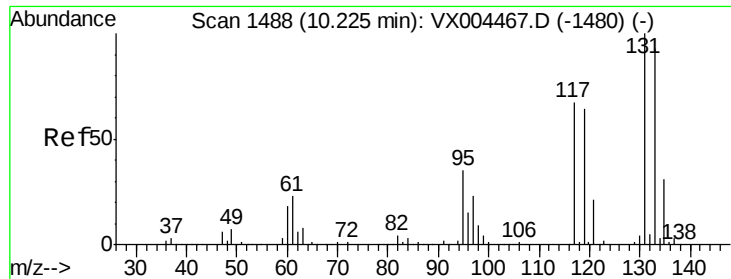
MMDadoda
9/17/2018 5:09:32 PM



#65
Chlorobenzene
Concen: 50.33 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	384646		
114	32.4		27.8	41.8





#66

1,1,1,2-Tetrachloroethane

Concen: 51.68 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

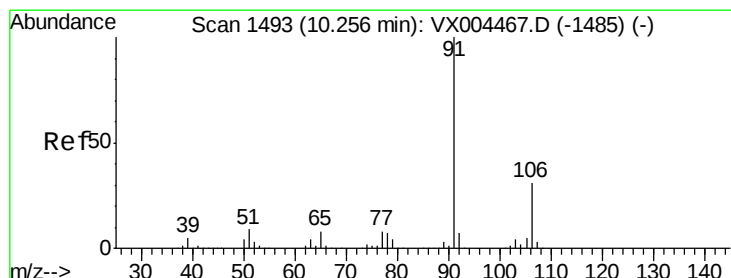
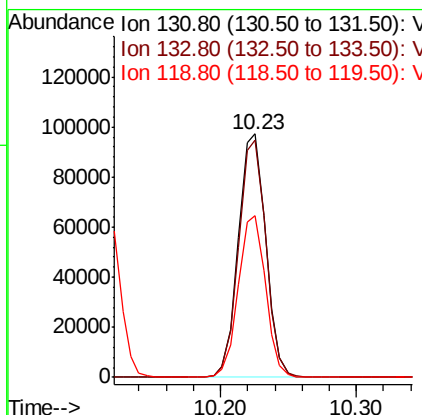
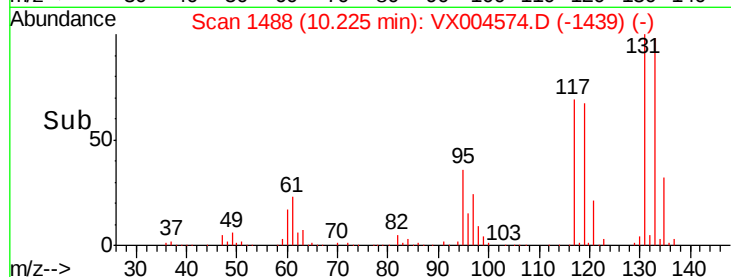
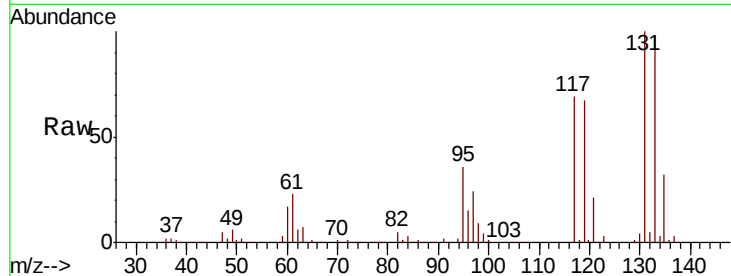
ClientSampled :

S13-0242MSD

Tot Ion:	131	Resp:	136203
Ion Ratio	Lower	Upper	
131	100		
133	97.0	48.1	144.4
119	66.1	32.9	98.6

Manual Integrations
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#67

Ethyl Benzene

Concen: 52.25 ug/l

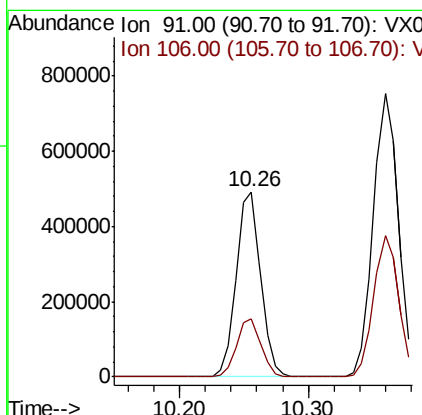
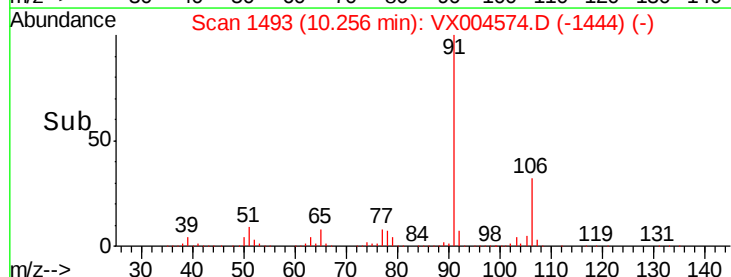
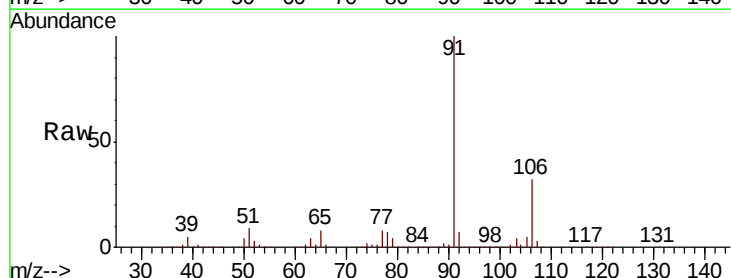
RT: 10.26 min Scan# 1493

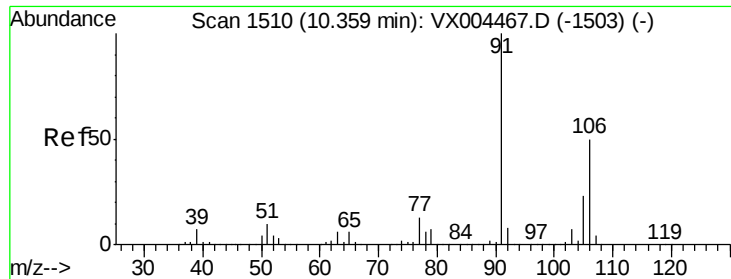
Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Tgt Ion:	91	Resp:	649281
Ion Ratio	Lower	Upper	
91	100		
106	31.5	25.9	38.9





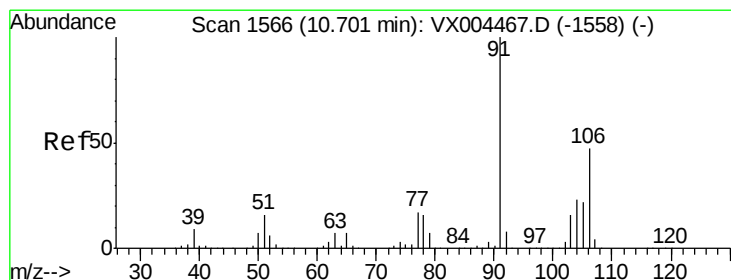
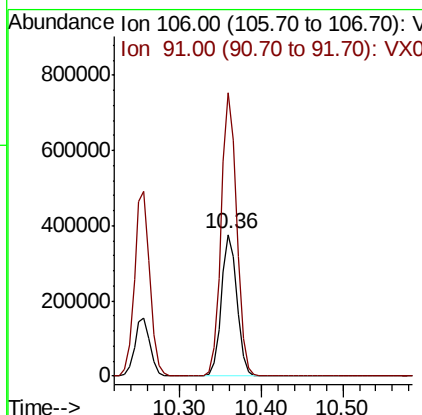
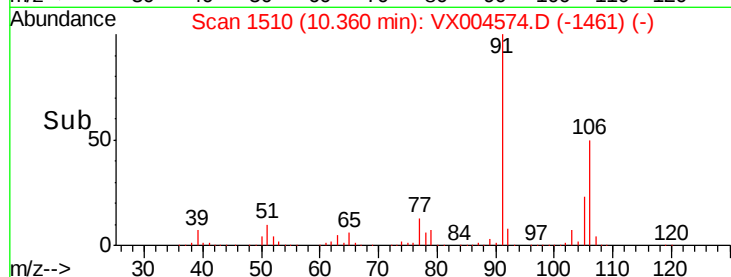
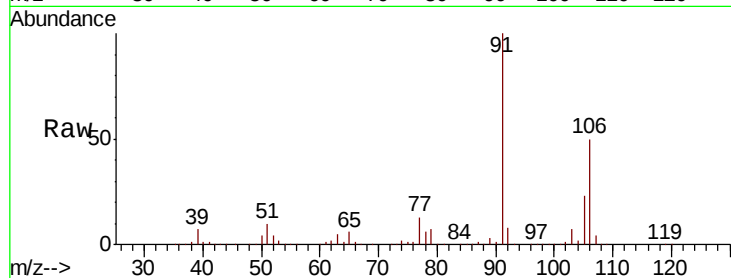
#68
m/p-Xvlenes
Concen: 105.25 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampled :
S13-0242MSD

Tot Ion:106 Resp: 503802
Ion Ratio Lower Upper
106 100
91 199.9 157.1 235.7

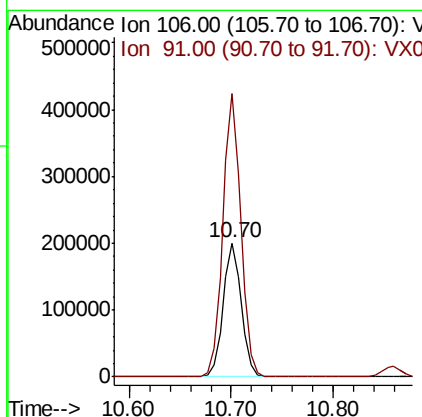
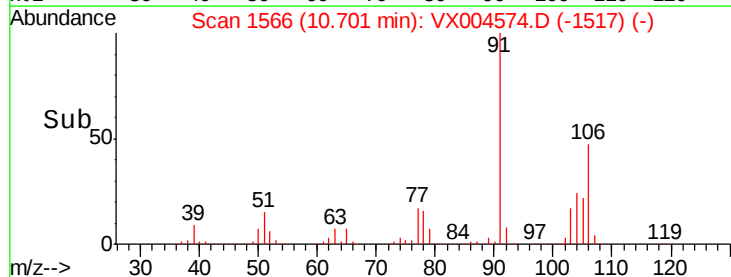
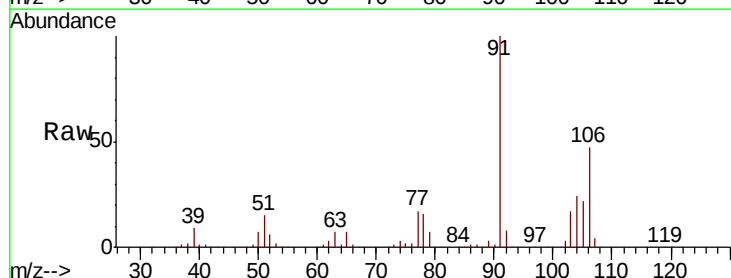
Manual Integrations
APPROVED

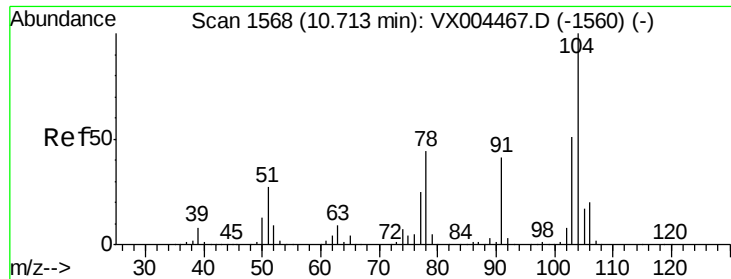
MMDadoda
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#69
o-Xylene
Concen: 53.70 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion:106 Resp: 247095
Ion Ratio Lower Upper
106 100
91 210.8 105.1 315.1





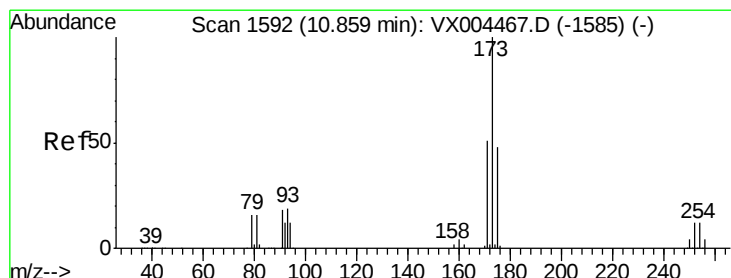
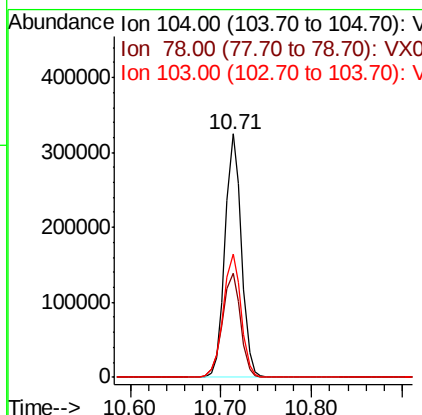
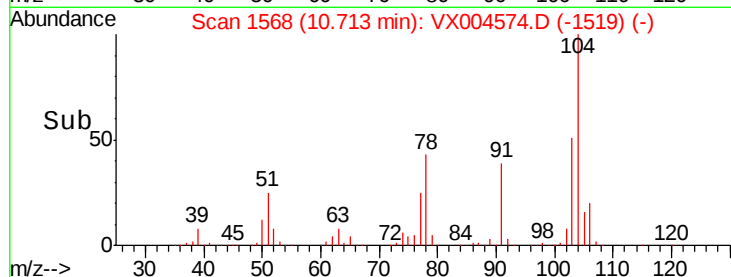
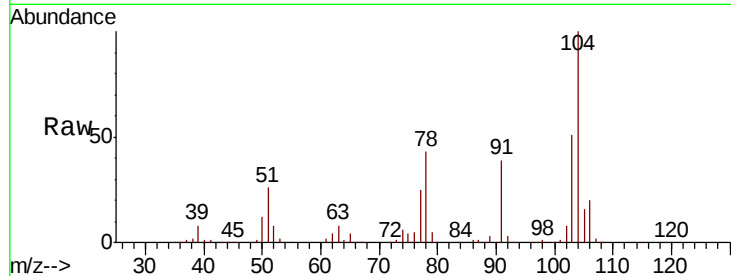
#70
Stvrene
Concen: 53.53 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampled :
S13-0242MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	37.4	56.0
103	55.6	43.8	65.6

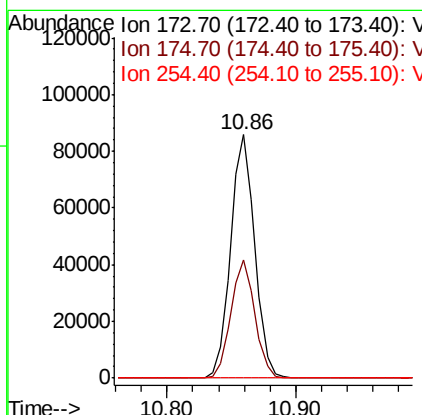
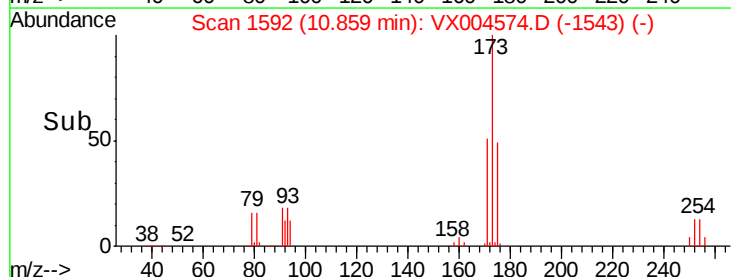
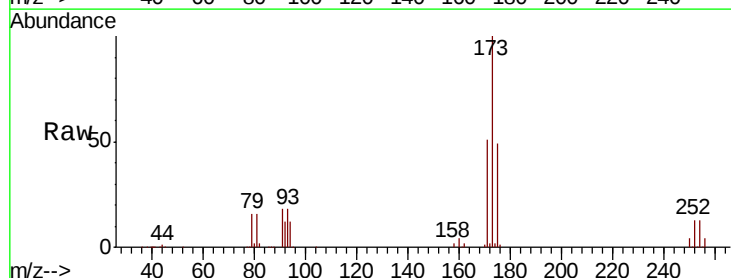
Manual Integrations
APPROVED

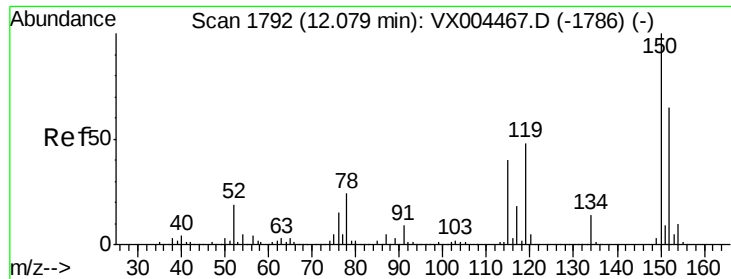
MMDadoda
9/17/2018 5:09:32 PM



#71
Bromoform
Concen: 51.89 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.3
254	0.1	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MSD

Tot Ion:152 Resp: 198889

Ion Ratio Lower Upper

152 100

115 81.5 39.0 117.0

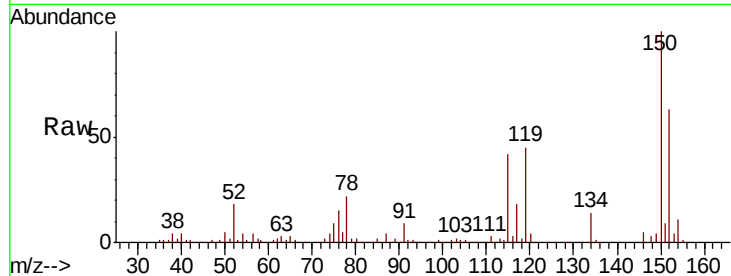
150 175.0 0.0 351.0

Manual Integrations

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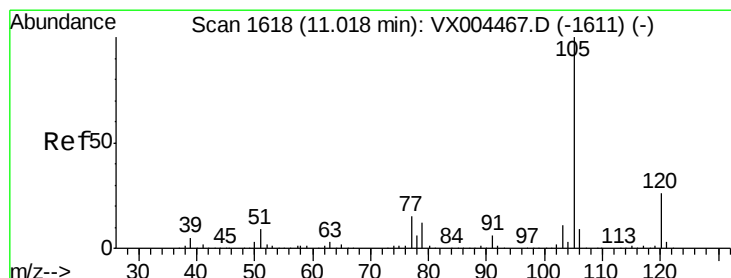
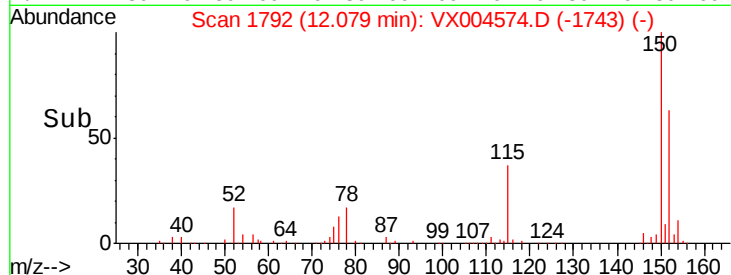
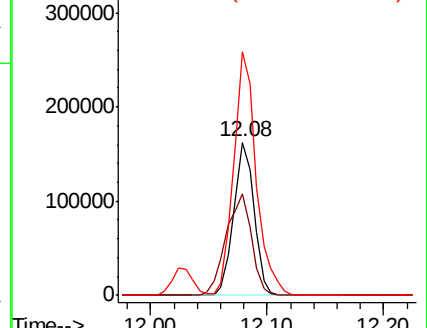
9/17/2018 5:09:32 PM



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: 50.13 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004574.D

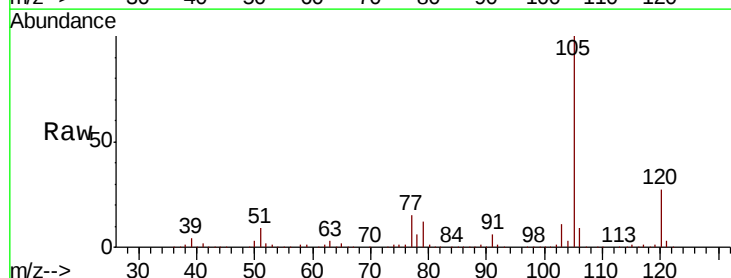
Acq: 15 Sep 2018 09:49

Tgt Ion:105 Resp: 656691

Ion Ratio Lower Upper

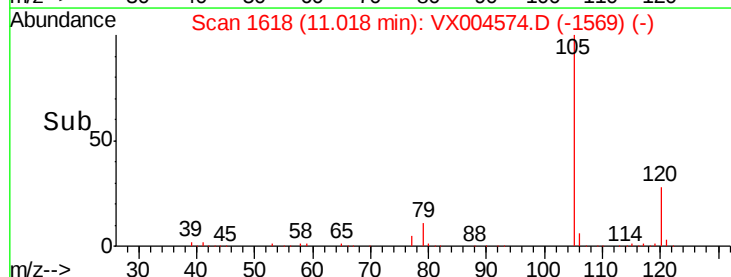
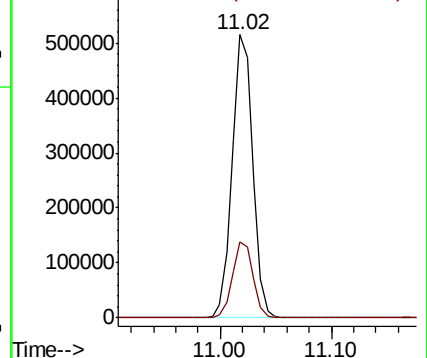
105 100

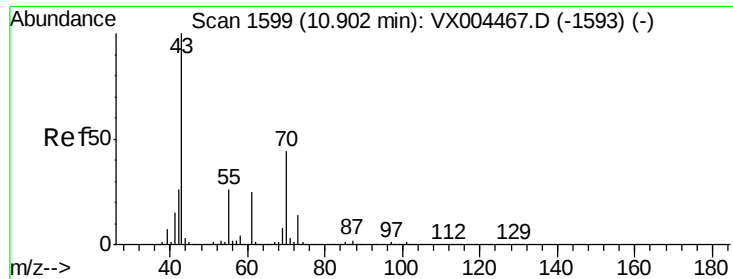
120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 39.46 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

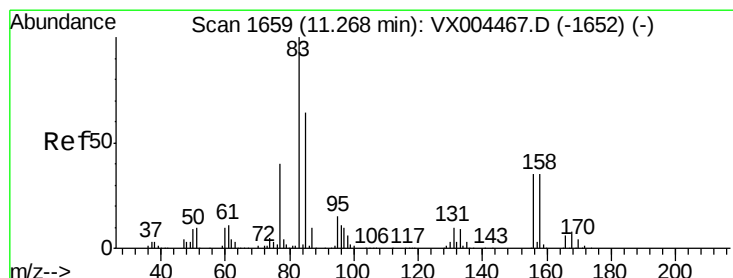
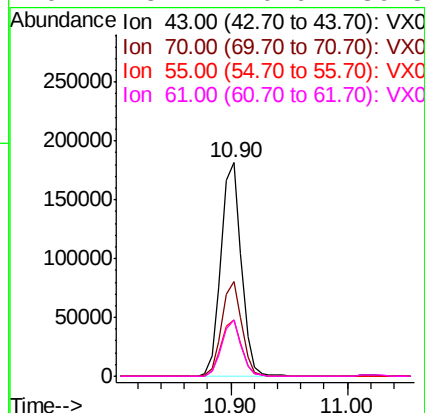
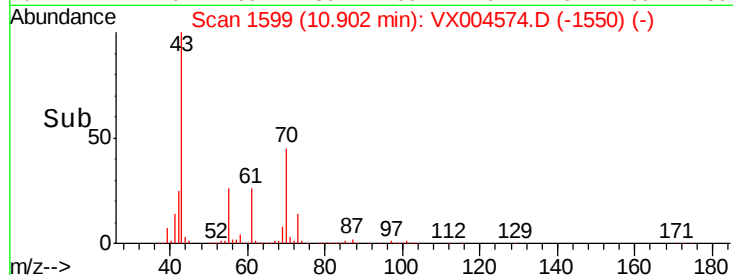
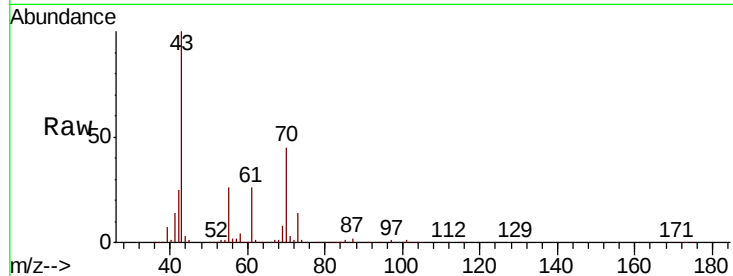
ClientSampled :

S13-0242MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		217543		
70	44.0	37.4	56.0		
55	26.5	21.8	32.8		
61	25.2	20.6	30.8		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 47.57 ug/l

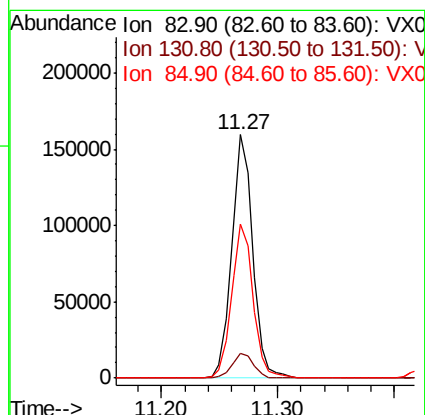
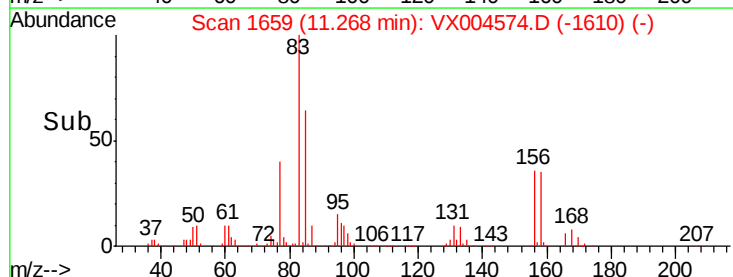
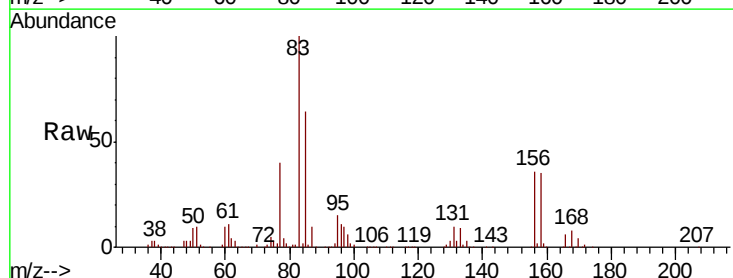
RT: 11.27 min Scan# 1659

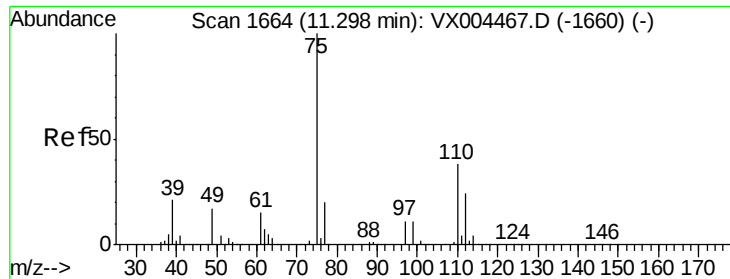
Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		200967		
131	10.6	5.2	15.6		
85	64.4	32.3	96.8		





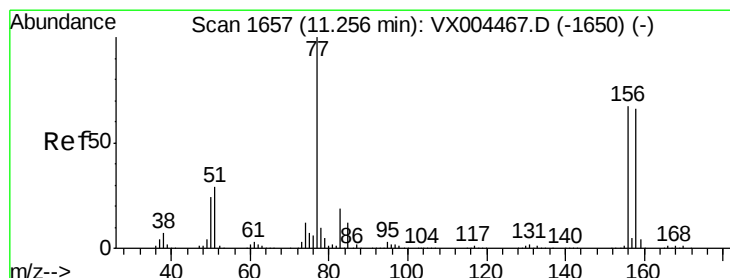
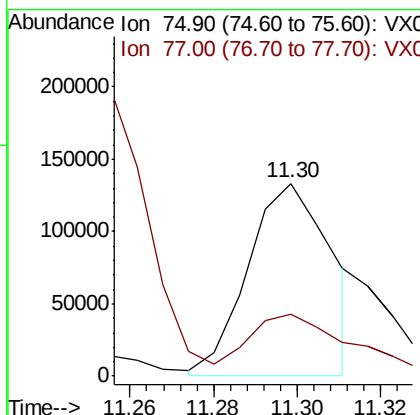
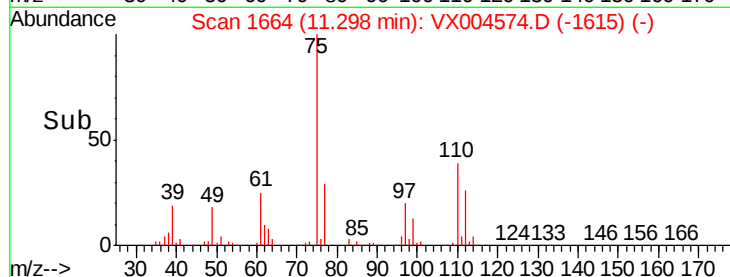
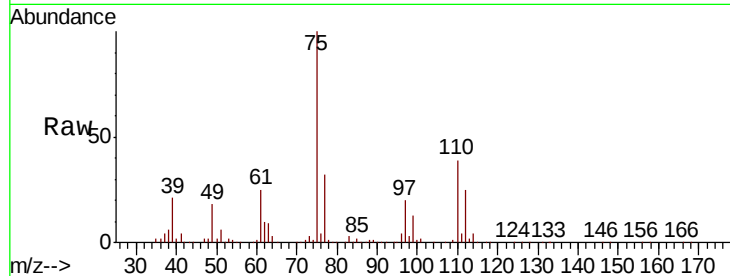
#76
 1,2,3-Trichloropropane
 Concen: 45.73 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MSD

Tot Ion: 75 Resp: 182990
 Ion Ratio Lower Upper
 75 100
 77 40.1 20.2 60.6

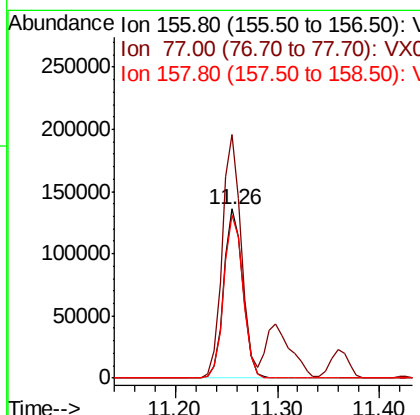
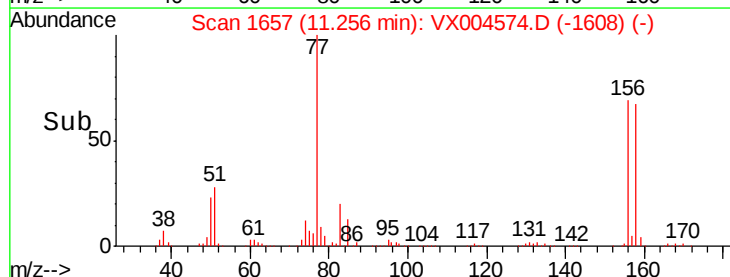
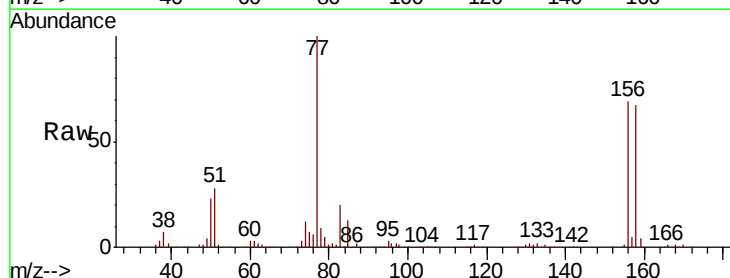
Manual Integrations
 APPROVED

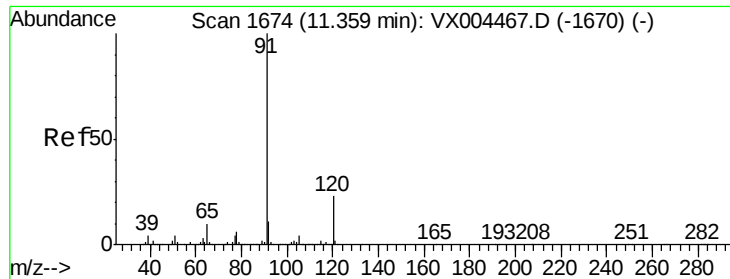
MMDadoda
 9/17/2018 5:09:32 PM



#77
 Bromobenzene
 Concen: 48.47 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Tgt Ion: 156 Resp: 175470
 Ion Ratio Lower Upper
 156 100
 77 144.6 71.5 214.3
 158 97.1 48.9 146.8





#78

n-propylbenzene

Concen: 49.02 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MSD

Tot Ion: 91 Resp: 738290

Ion Ratio Lower Upper

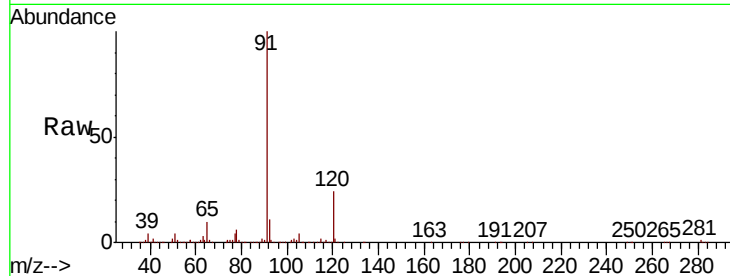
91 100

120 24.8 11.9 35.9

Manual Integrations
APPROVED

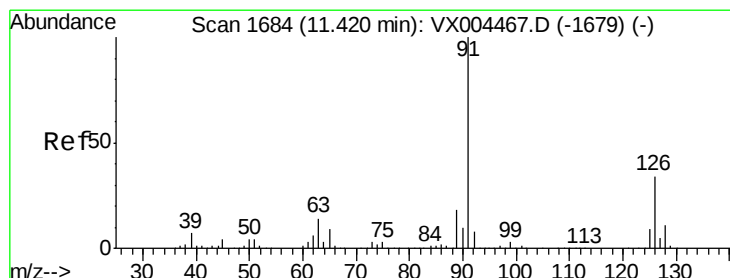
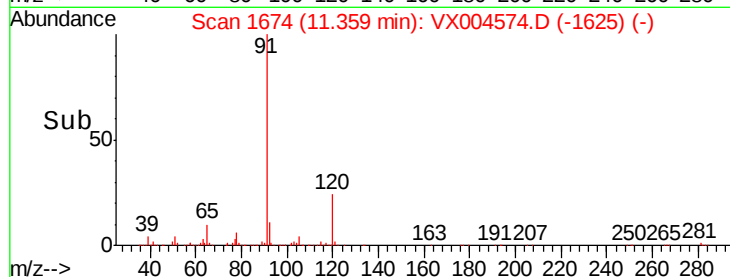
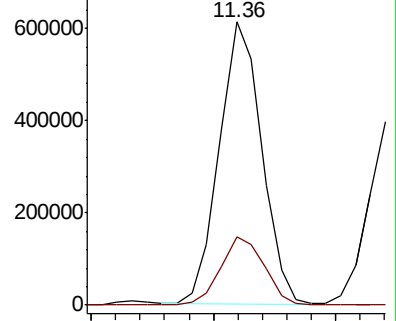
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 55.00 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004574.D

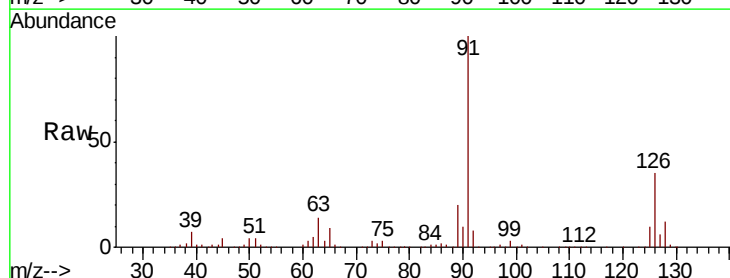
Acq: 15 Sep 2018 09:49

Tgt Ion: 91 Resp: 502427

Ion Ratio Lower Upper

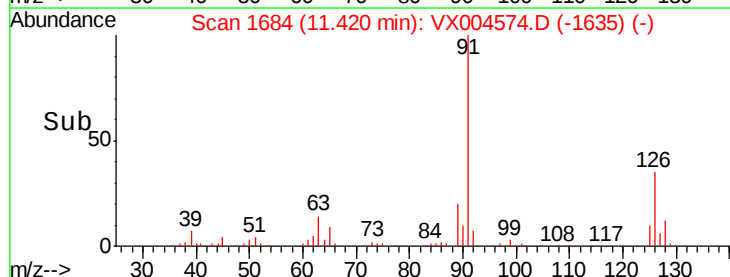
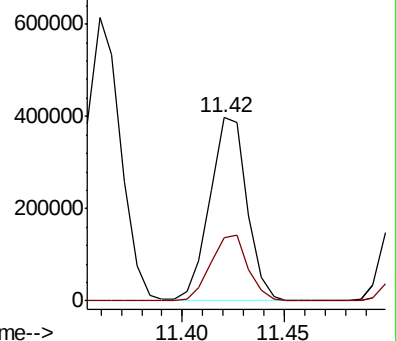
91 100

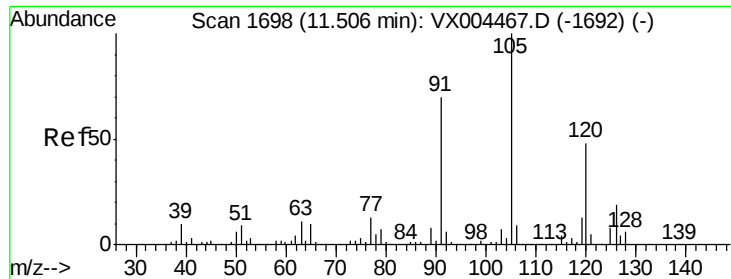
126 35.9 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





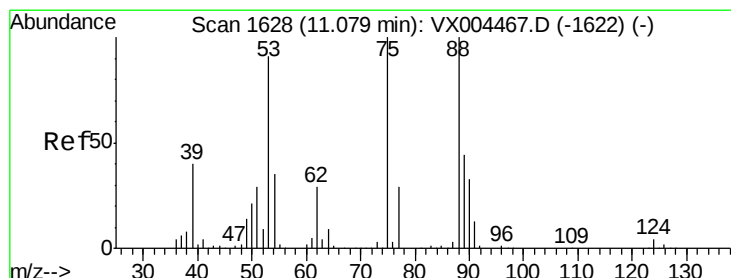
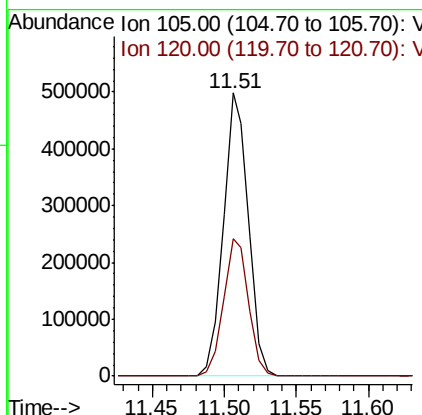
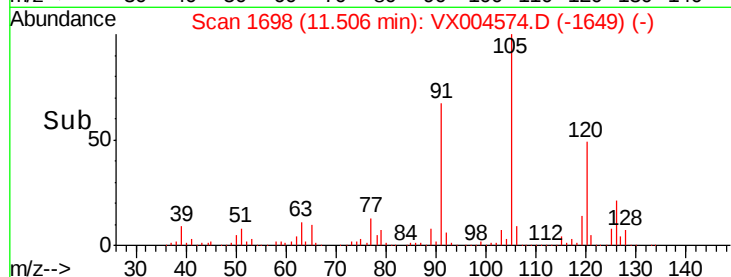
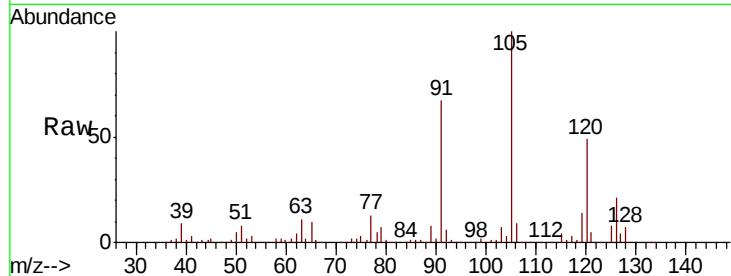
#80
 1,3,5-Trimethylbenzene
 Concen: 55.13 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0242MSD

Tot Ion:105 Resp: 607024
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.6 76.8

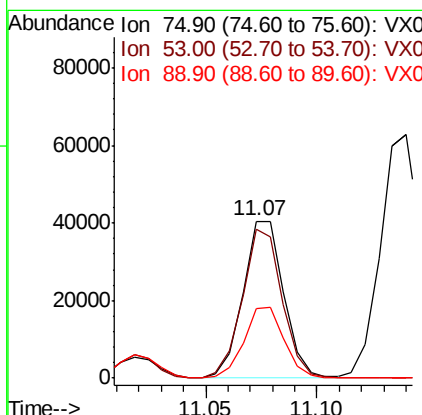
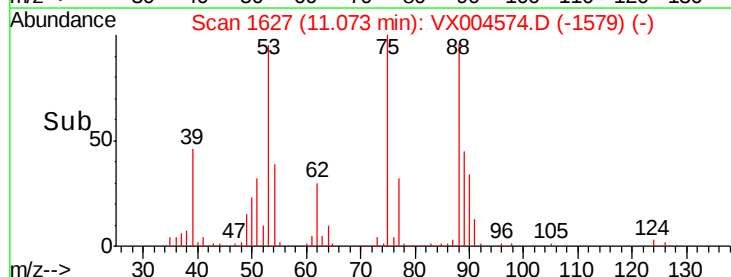
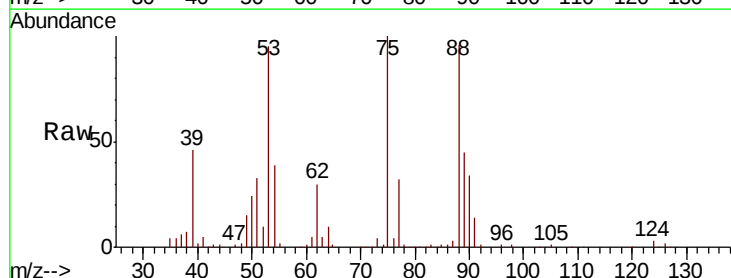
Manual Integrations
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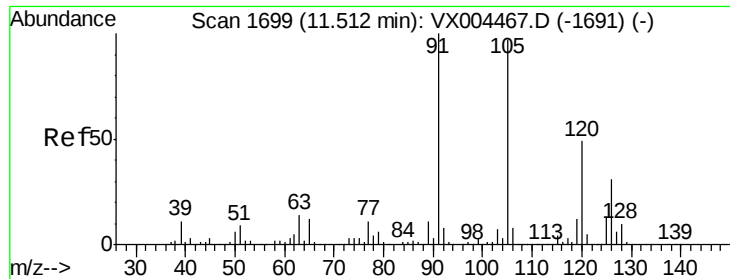
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.89 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Tgt Ion: 75 Resp: 51334
 Ion Ratio Lower Upper
 75 100
 53 94.0 80.1 120.1
 89 45.2 37.2 55.8





#82

4-Chlorotoluene

Concen: 53.67 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampled :

S13-0242MSD

Tot Ion: 91 Resp: 572199

Ion Ratio Lower Upper

91 100

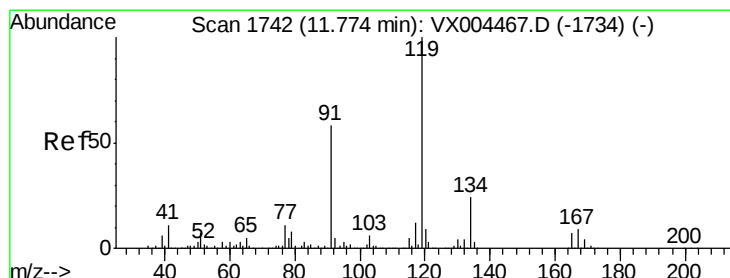
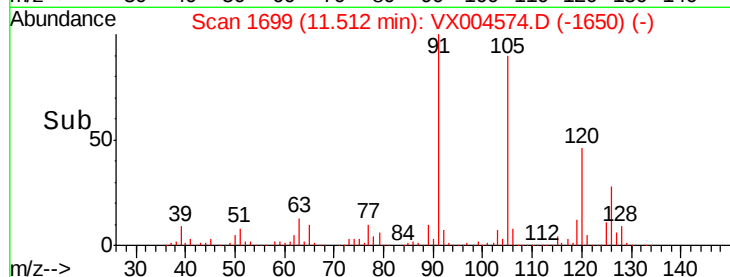
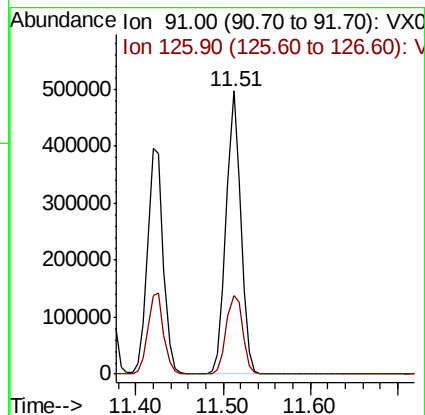
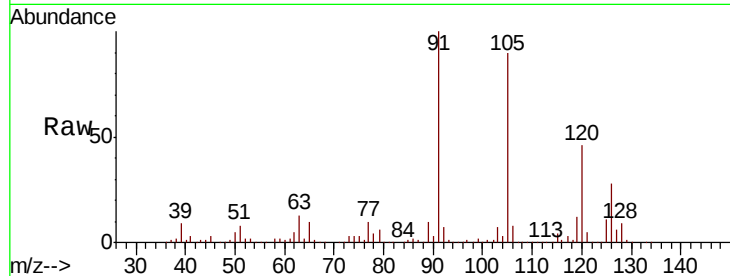
126 31.7 15.5 46.5

Manual Integrations

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#83

tert-Butylbenzene

Concen: 61.63 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

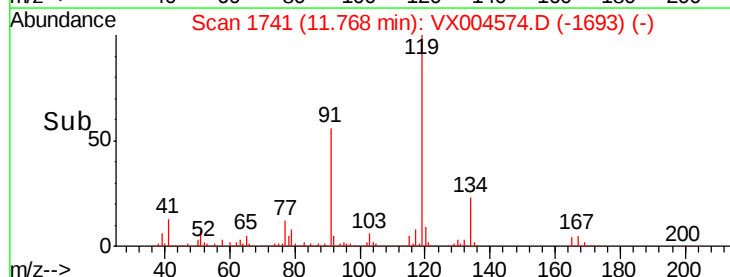
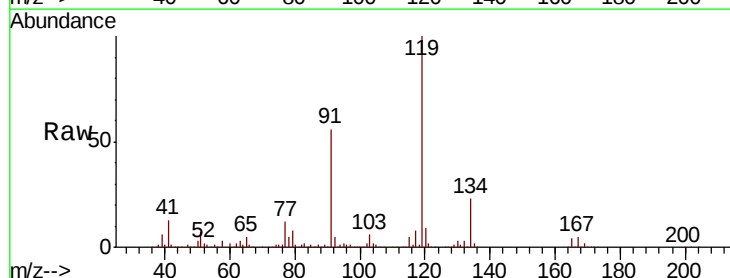
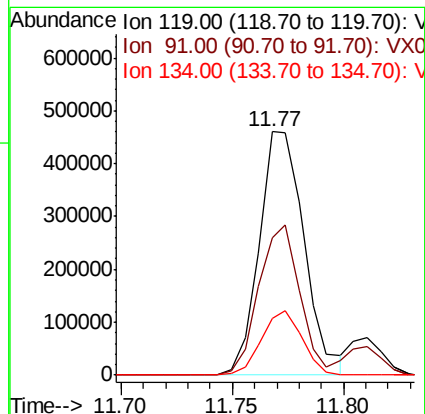
Tgt Ion: 119 Resp: 646113

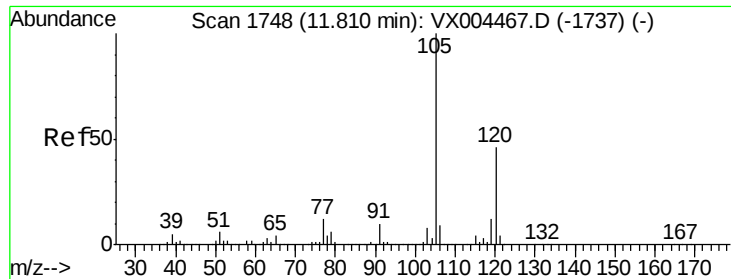
Ion Ratio Lower Upper

119 100

91 56.3 27.0 81.0

134 24.0 11.7 35.1





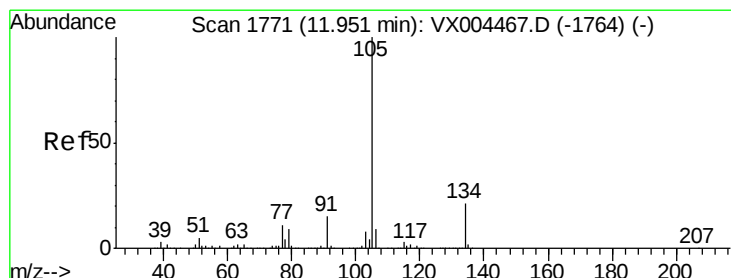
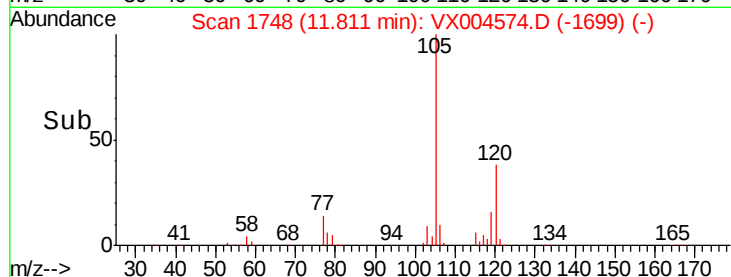
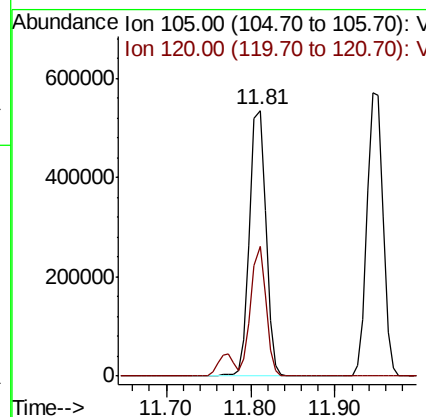
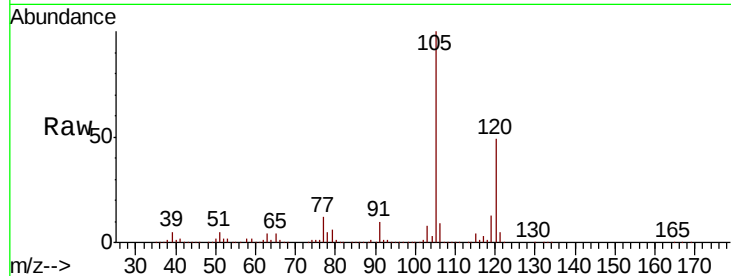
#84
1,2,4-Trimethylbenzene
Concen: 61.47 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.2	69.6

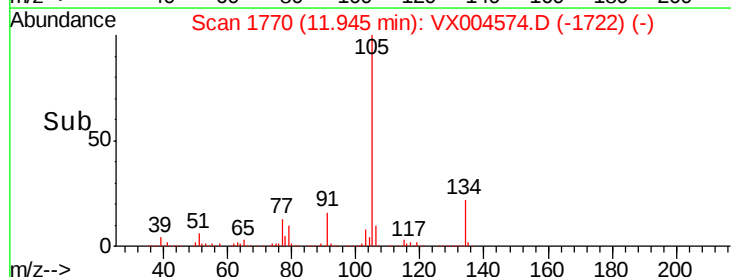
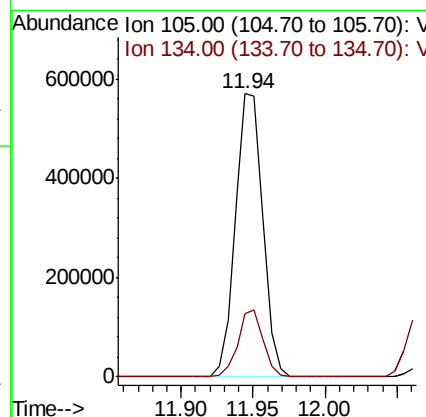
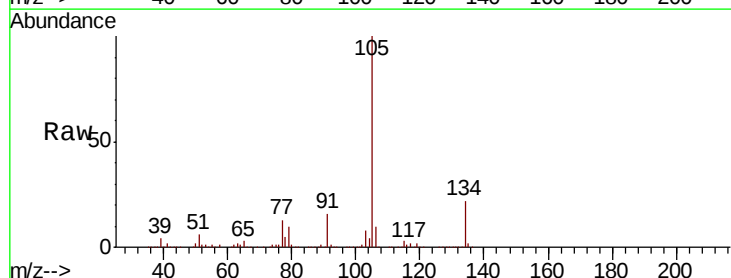
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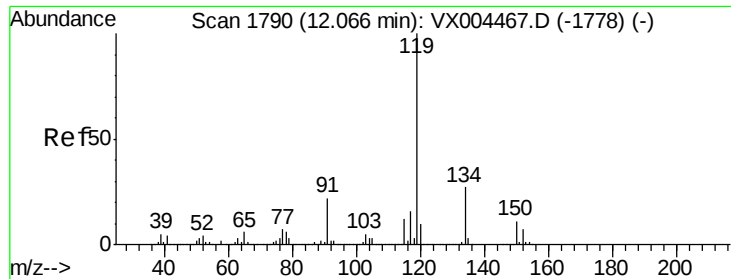
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#85
sec-Butylbenzene
Concen: 56.93 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.01 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.5	31.5





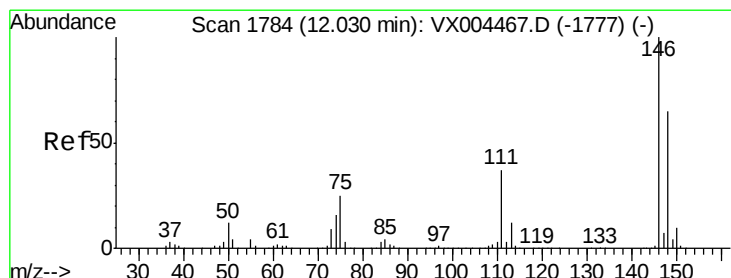
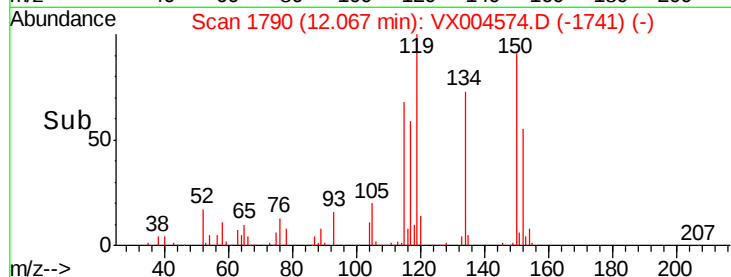
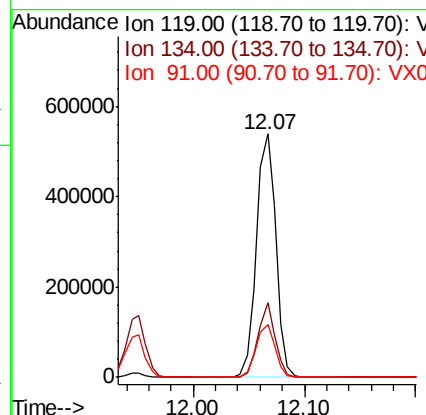
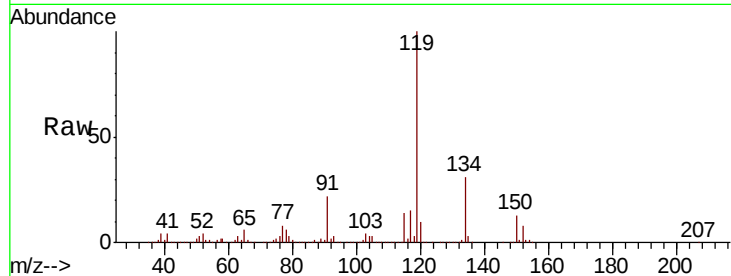
#86
 p-Isopropyltoluene
 Concen: 55.26 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	651956		
134	27.0		13.4	40.2
91	21.2		10.9	32.7

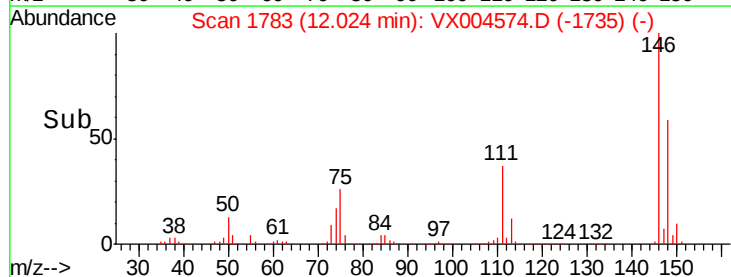
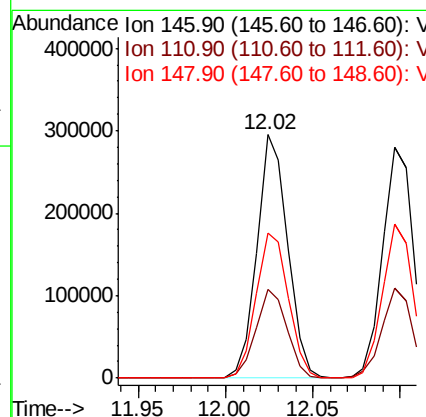
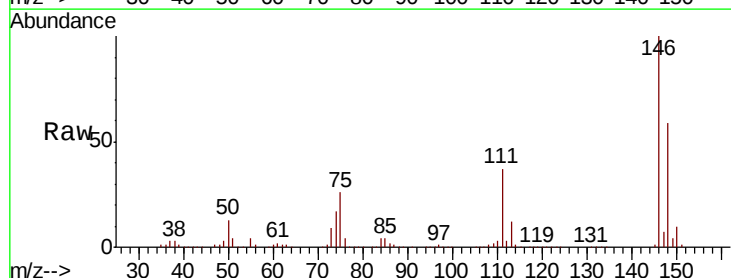
Manual Integrations
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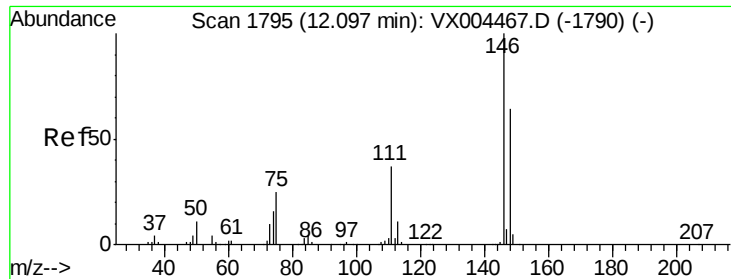
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#87
 1,3-Dichlorobenzene
 Concen: 53.34 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	360280		
111	37.2		18.7	56.1
148	63.0		32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 49.47 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

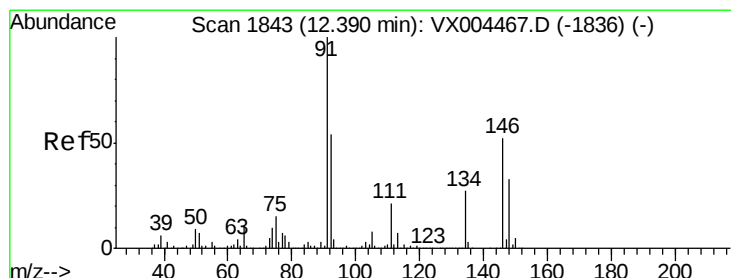
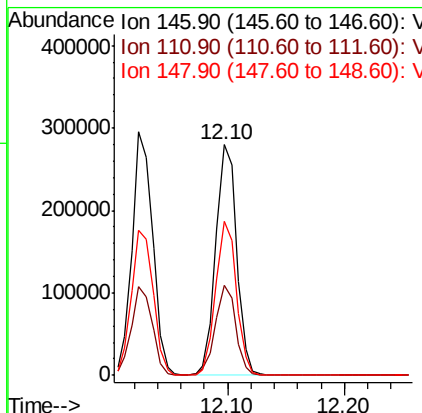
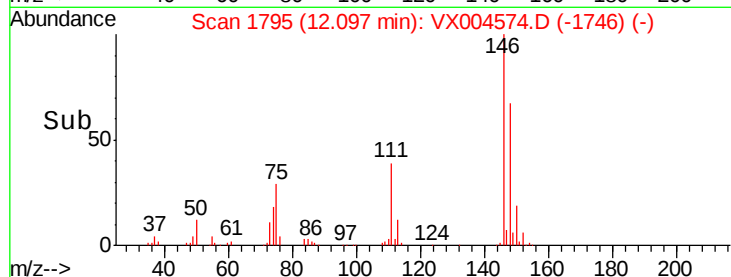
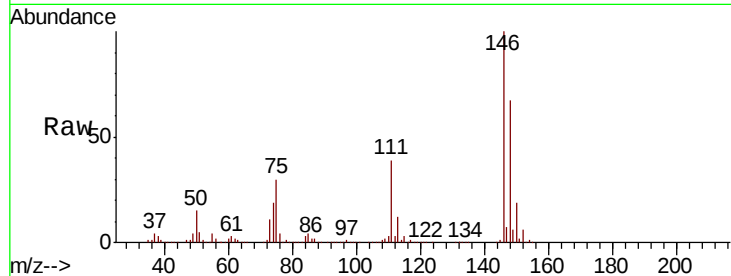
ClientSampleId :

S13-0242MSD

Tot Ion:	146	Resp:	345275
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.1	54.1
148	66.1	32.0	96.0

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#89

n-Butylbenzene

Concen: 52.82 ug/l

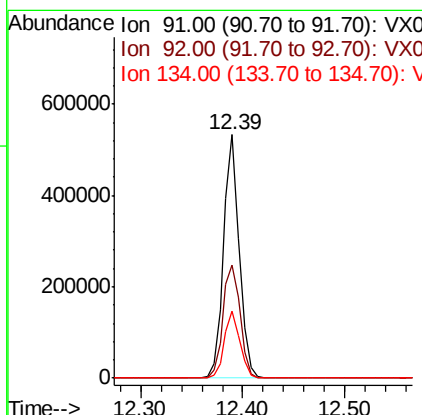
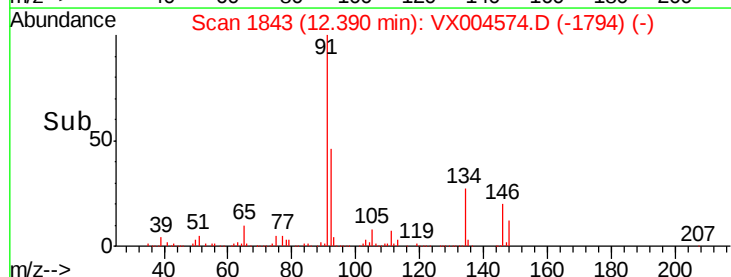
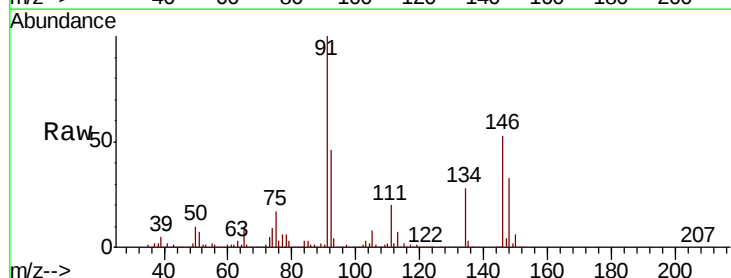
RT: 12.39 min Scan# 1843

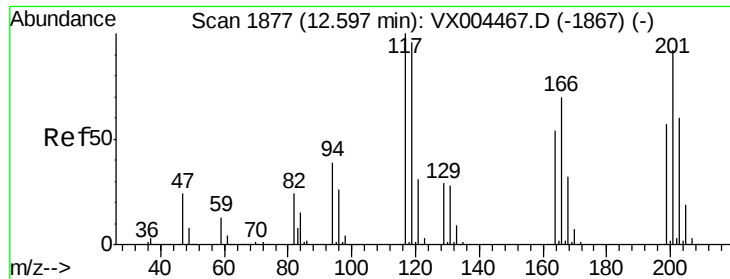
Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Tgt Ion:	91	Resp:	567841
Ion Ratio	Lower	Upper	
91	100		
92	51.3	27.3	81.9
134	27.7	13.6	40.7





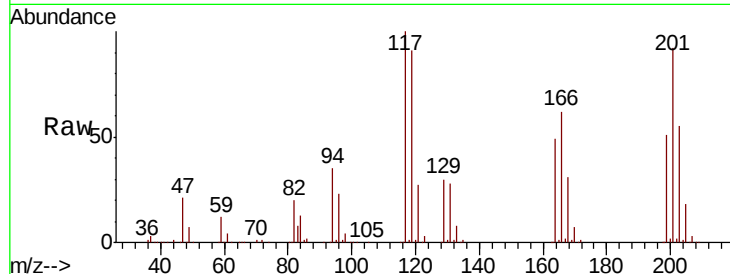
#90
Hexachloroethane
Concen: 56.04 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MSD

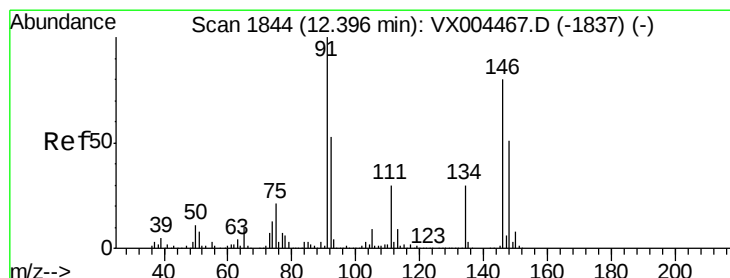
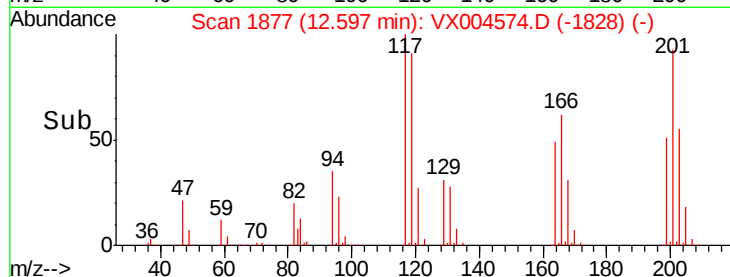
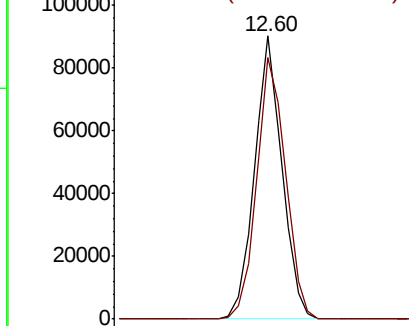
Tot Ion:117 Resp: 105830
Ion Ratio Lower Upper
117 100
201 97.1 46.9 140.6

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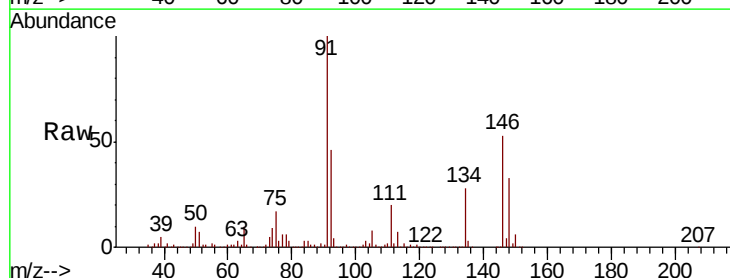


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

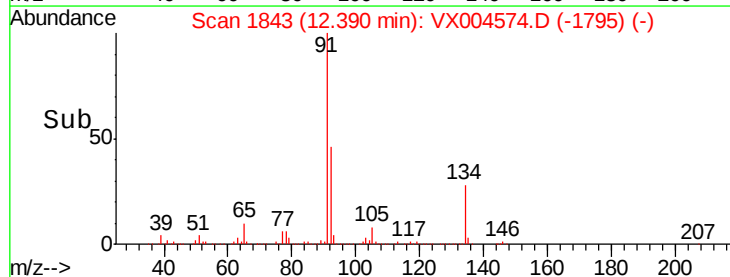
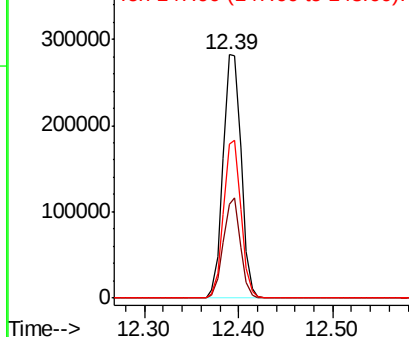


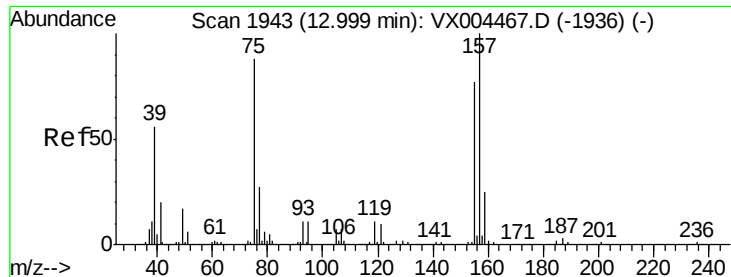
#91
1,2-Dichlorobenzene
Concen: 54.93 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VX004574.D
Acq: 15 Sep 2018 09:49

Tgt Ion:146 Resp: 375538
Ion Ratio Lower Upper
146 100
111 38.8 19.4 58.1
148 62.2 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 58.40 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MSD

Tot Ion: 75 Resp: 52682

Ion Ratio Lower Upper

75 100

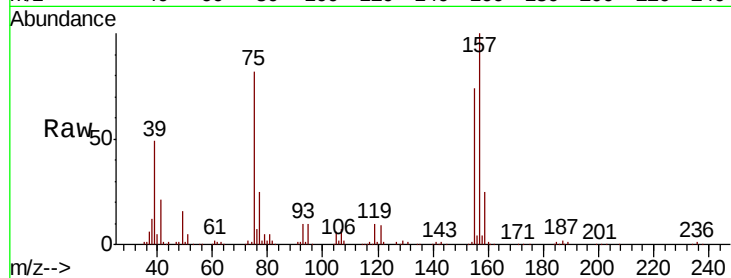
155 96.1 48.0 144.2

157 125.7 61.4 184.1

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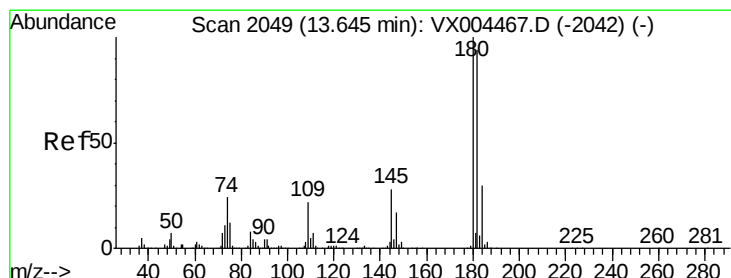
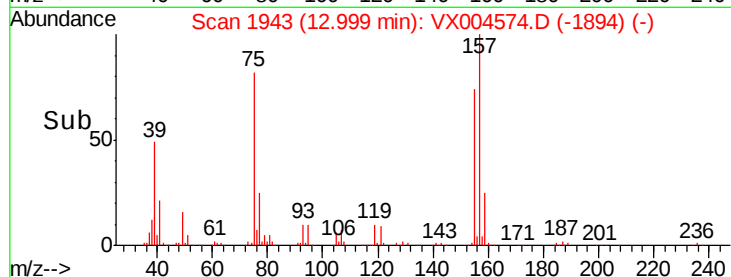
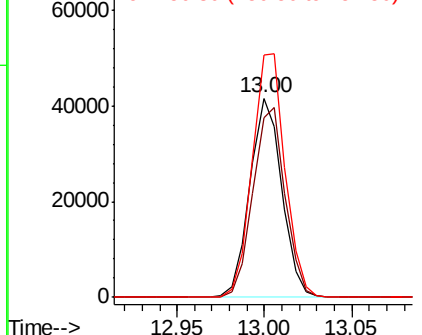
9/17/2018 5:09:32 PM



Abundance Ion 74.90 (74.60 to 75.60): VX004467.D (-1936) (-)

Ion 154.80 (154.50 to 155.50): VX004467.D (-1936) (-)

Ion 156.80 (156.50 to 157.50): VX004467.D (-1936) (-)



#93

1,2,4-Trichlorobenzene

Concen: 57.49 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

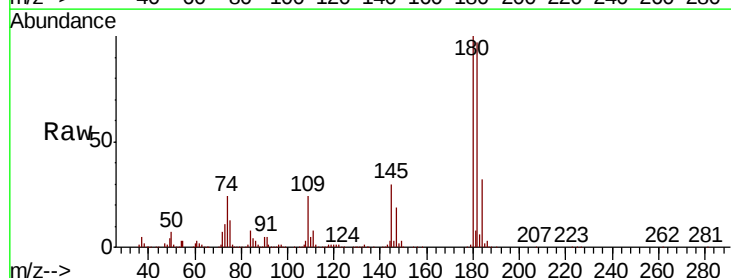
Tgt Ion:180 Resp: 278330

Ion Ratio Lower Upper

180 100

182 95.8 48.4 145.0

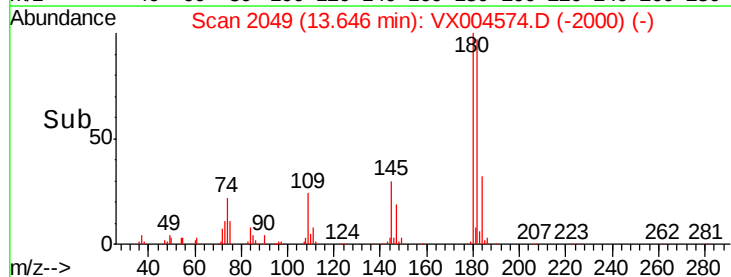
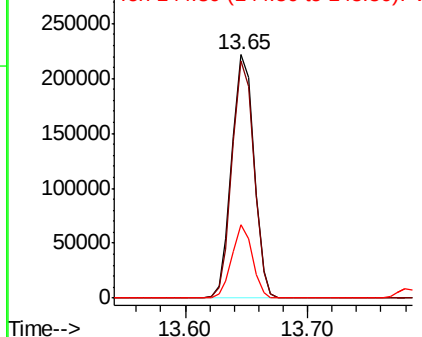
145 27.8 14.3 42.9

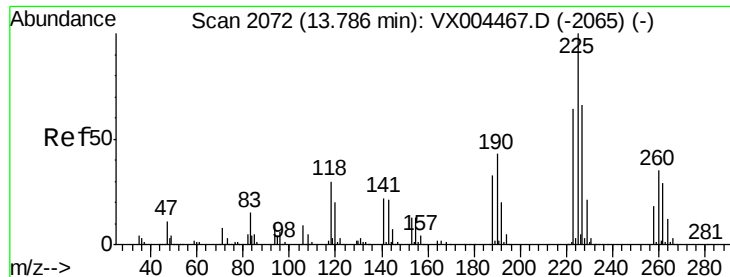


Abundance Ion 179.80 (179.50 to 180.50): VX004467.D (-2042) (-)

Ion 181.80 (181.50 to 182.50): VX004467.D (-2042) (-)

Ion 144.80 (144.50 to 145.50): VX004467.D (-2042) (-)





#94

Hexachlorobutadiene

Concen: 53.55 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Instrument :

MSVOA_X

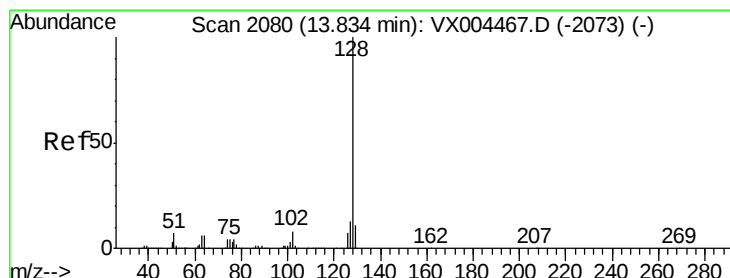
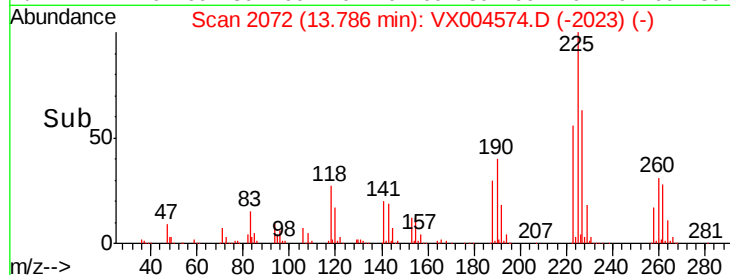
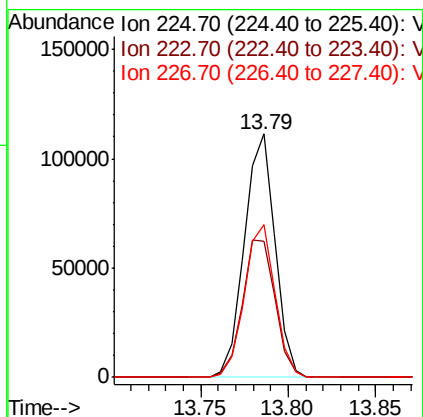
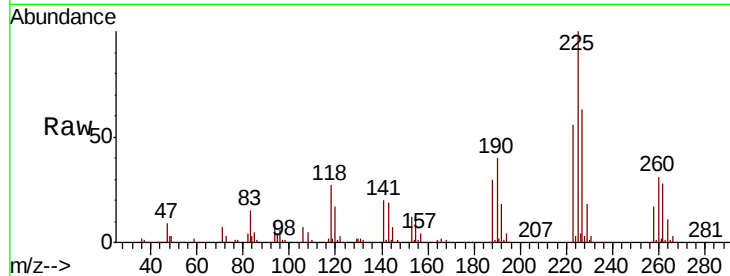
ClientSampleId :

S13-0242MSD

Tot Ion:	225	Resp:	135427
Ion Ratio		Lower	Upper
225	100		
223	60.3	30.1	90.5
227	62.6	30.8	92.4

Manual Integrations
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9/17/2018 5:09:32 PM



#95

Naphthalene

Concen: 63.81 ug/l

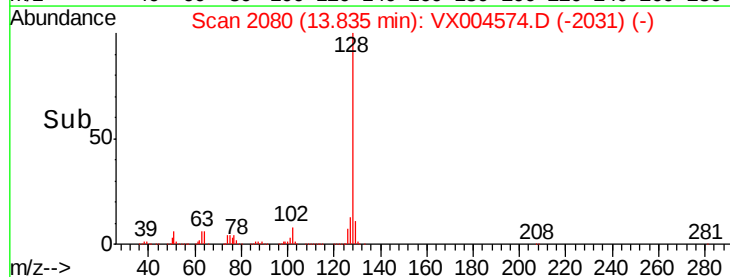
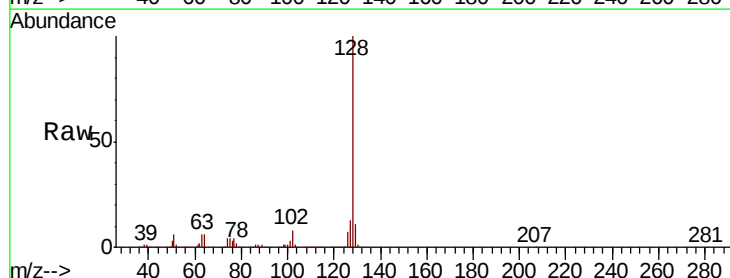
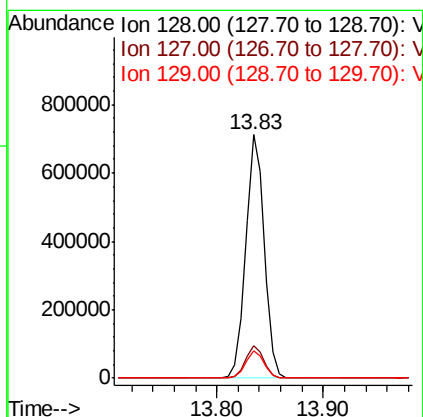
RT: 13.83 min Scan# 2080

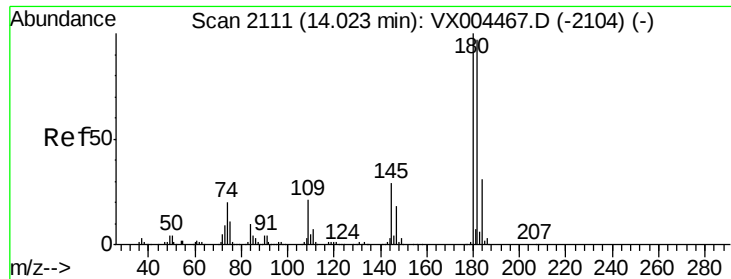
Delta R.T. 0.00 min

Lab File: VX004574.D

Acq: 15 Sep 2018 09:49

Tgt Ion:	128	Resp:	866433
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 57.93 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VX004574.D
 Acq: 15 Sep 2018 09:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	92.2	48.5	145.6
145	30.3	14.9	44.9

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:32 PM

