

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091418\
 Data File : VX004573.D
 Acq On : 15 Sep 2018 09:22
 Operator : JC/MD
 Sample : J4925-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MS

Manual Integrations
 APPROVED

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

Quant Time: Sep 17 01:29:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	263567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348873	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	168495	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	5.50	113	151900	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
50) Toluene-d8	8.72	98	507633	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
62) 4-Bromofluorobenzene	11.14	95	184076	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	120111	48.62	ug/l	95
3) Chloromethane	1.32	50	155431	45.72	ug/l	100
4) Vinyl Chloride	1.40	62	169133	48.47	ug/l	98
5) Bromomethane	1.64	94	59329	40.38	ug/l	98
6) Chloroethane	1.72	64	108287	47.99	ug/l	95
7) Trichlorofluoromethane	1.93	101	215041	46.49	ug/l	90
8) Diethyl Ether	2.19	74	100010	48.23	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	134084	45.70	ug/l	98
10) Methyl Iodide	2.51	142	112370	33.57	ug/l	97
11) Tert butyl alcohol	3.07	59	163674	201.84	ug/l	99
12) 1,1-Dichloroethene	2.37	96	135727	49.28	ug/l	96
13) Acrolein	2.29	56	80419	251.23	ug/l	99
14) Allyl chloride	2.73	41	255506	45.13	ug/l	95
15) Acrylonitrile	3.15	53	441838	226.26	ug/l	100
16) Acetone	2.44	43	343356	207.00	ug/l	95
17) Carbon Disulfide	2.57	76	371047	46.61	ug/l	100
18) Methyl Acetate	2.78	43	189379	40.69	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	485843	50.28	ug/l	98
20) Methylene Chloride	2.86	84	159496	46.87	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	145660	47.86	ug/l	95
22) Diisopropyl ether	3.87	45	508222	49.84	ug/l	95
23) Vinyl Acetate	3.82	43	1734204	210.15	ug/l	100
24) 1,1-Dichloroethane	3.70	63	274328	47.65	ug/l	99
25) 2-Butanone	4.70	43	559780	212.05	ug/l	92
26) 2,2-Dichloropropane	4.58	77	123410	31.21	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	172611	50.81	ug/l	96
28) Bromochloromethane	5.02	49	136734	51.92	ug/l	99
29) Tetrahydrofuran	5.16	42	366474	230.20	ug/l	99
30) Chloroform	5.21	83	271565	48.32	ug/l	98
31) Cyclohexane	5.57	56	244040	49.64	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	225405	49.79	ug/l	99
36) 1,1-Dichloropropene	5.79	75	201878	47.66	ug/l	97
37) Ethyl Acetate	4.86	43	188073	39.04	ug/l	99
38) Carbon Tetrachloride	5.78	117	197800	47.81	ug/l	95

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Quant Time: Sep 17 01:29:09 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)
39) Methylcyclohexane	7.46	83	205022	46.39	ug/l	98
40) Benzene	6.15	78	618712	49.23	ug/l	98
41) Methacrylonitrile	5.06	41	124165	46.78	ug/l	99
42) 1,2-Dichloroethane	6.20	62	197040	47.27	ug/l	99
43) Isopropyl Acetate	6.46	43	289557	45.26	ug/l	100
44) Trichloroethene	7.22	130	159064	48.72	ug/l	92
45) 1,2-Dichloropropane	7.52	63	145123	47.99	ug/l	100
46) Dibromomethane	7.66	93	90297	47.27	ug/l	99
47) Bromodichloromethane	7.90	83	172895	47.86	ug/l	99
48) Methyl methacrylate	7.77	41	151046	47.70	ug/l	98
49) 1,4-Dioxane	7.76	88	60671	809.55	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	953202	211.11	ug/l	99
52) Toluene	8.79	92	342982	46.32	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	199758	47.33	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	195053	45.34	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	161492	50.66	ug/l #	88
56) Ethyl methacrylate	9.18	69	241575	53.56	ug/l	95
57) 1,3-Dichloropropane	9.37	76	257435	49.70	ug/l	99
59) 2-Hexanone	9.50	43	795710	229.75	ug/l	96
60) Dibromochloromethane	9.59	129	141615	47.18	ug/l	100
61) 1,2-Dibromoethane	9.68	107	142321	46.73	ug/l	100
64) Tetrachloroethene	9.34	164	190953	48.62	ug/l	91
65) Chlorobenzene	10.14	112	380890	48.75	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	136290	50.58	ug/l	100
67) Ethyl Benzene	10.25	91	646205	50.86	ug/l	97
68) m/p-Xylenes	10.36	106	503877	102.95	ug/l	98
69) o-Xylene	10.70	106	245687	52.22	ug/l	99
70) Styrene	10.71	104	407644	52.29	ug/l	98
71) Bromoform	10.86	173	111352	50.33	ug/l	99
73) Isopropylbenzene	11.02	105	654792	48.66	ug/l	100
74) N-amyl acetate	10.90	43	232926	41.12	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	197409	45.48	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	180614m	43.93	ug/l	
77) Bromobenzene	11.26	156	175227	47.11	ug/l	99
78) n-propylbenzene	11.36	91	738942	47.75	ug/l	100
79) 2-Chlorotoluene	11.42	91	485847	51.77	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	604029	53.39	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	49410	38.31	ug/l	96
82) 4-Chlorotoluene	11.51	91	558753	51.01	ug/l	100
83) tert-Butylbenzene	11.77	119	653411	60.67	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	686871	59.46	ug/l	100
85) sec-Butylbenzene	11.94	105	765941	55.80	ug/l	99
86) p-Isopropyltoluene	12.07	119	624997	51.57	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	350392	50.49	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	346336	48.30	ug/l	99
89) n-Butylbenzene	12.39	91	589612	53.38	ug/l	97
90) Hexachloroethane	12.60	117	98431	50.73	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	373893	53.23	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50582	54.57	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	285443	57.39	ug/l	97

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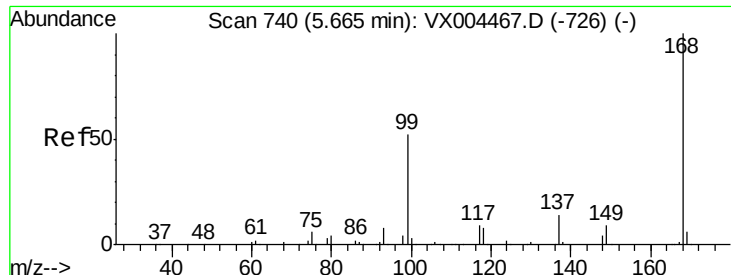
Manual Integrations
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Quant Time: Sep 17 01:29:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	131962	50.79	ug/l	96
95) Naphthalene	13.83	128	867906	62.21	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	290627	56.87	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MS

Tot Ion:168 Resp: 263567

Ion Ratio Lower Upper

168 100

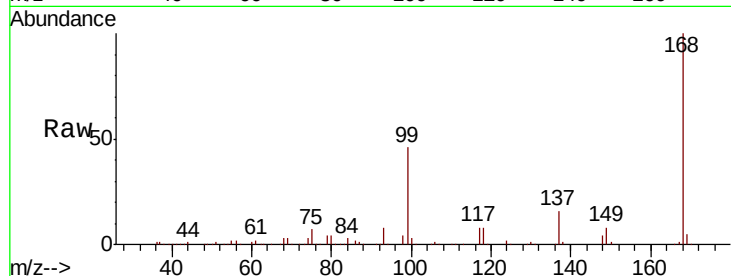
99 45.5 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

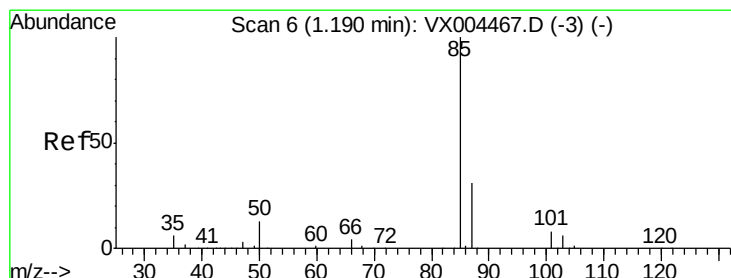
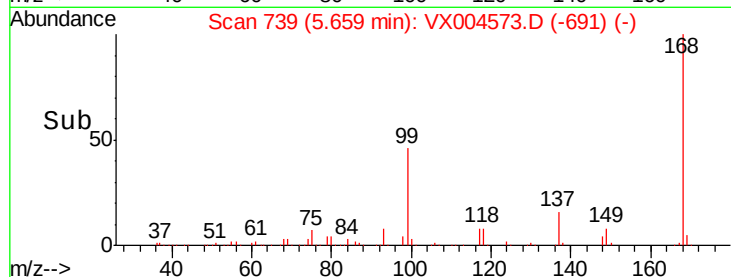
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.62 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004573.D

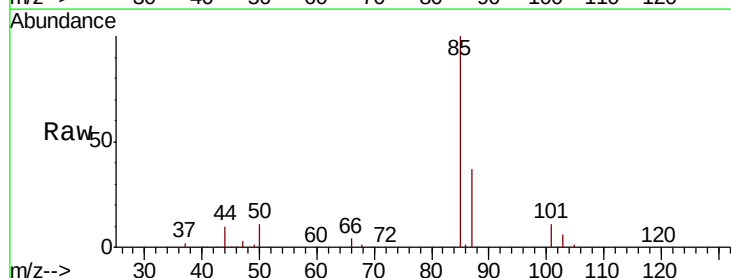
Acq: 15 Sep 2018 09:22

Tgt Ion: 85 Resp: 120111

Ion Ratio Lower Upper

85 100

87 36.9 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

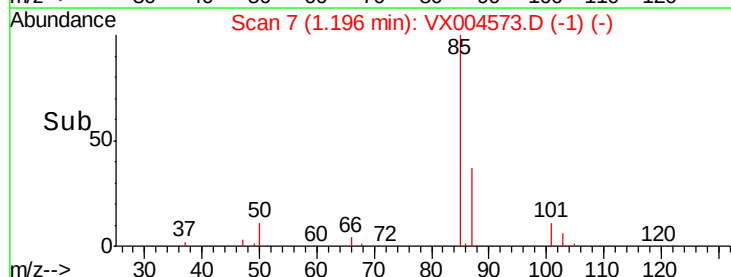
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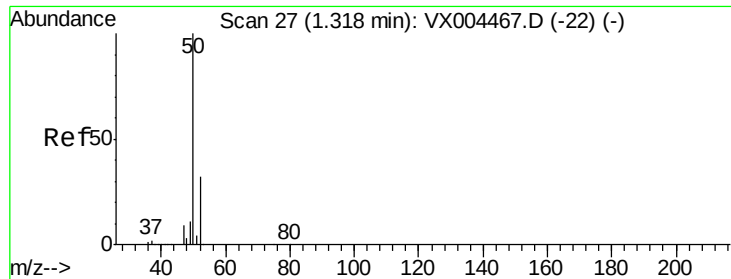
50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 45.72 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MS

Tot Ion: 50 Resp: 155431

Ion Ratio Lower Upper

50 100

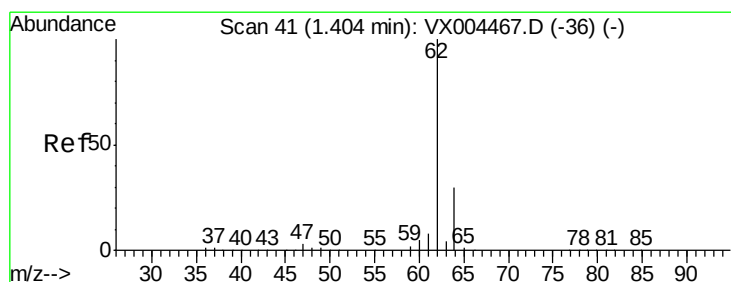
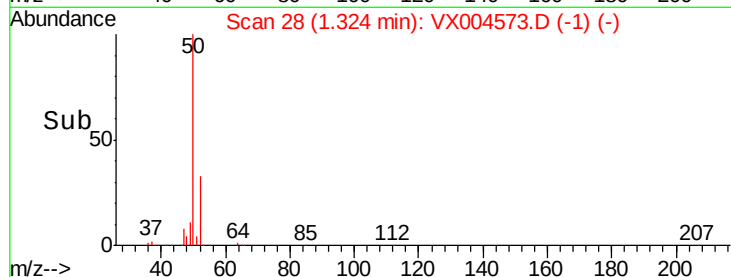
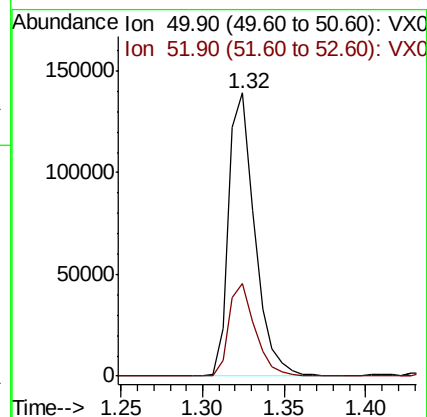
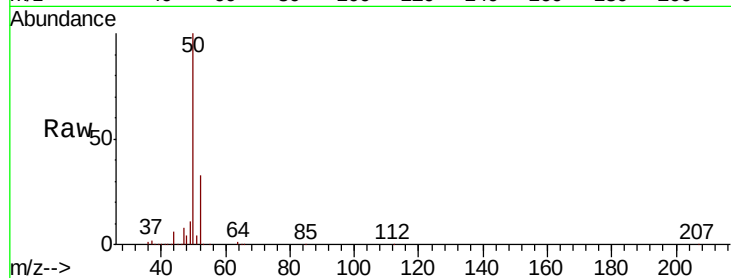
52 32.9 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.47 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004573.D

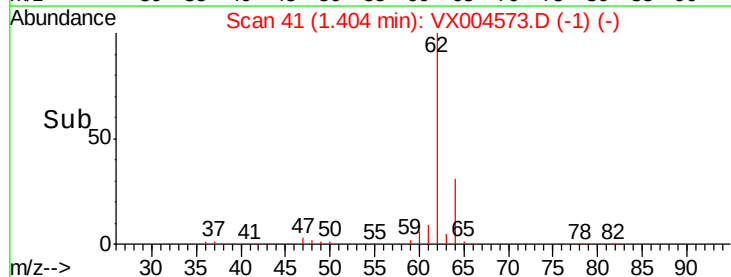
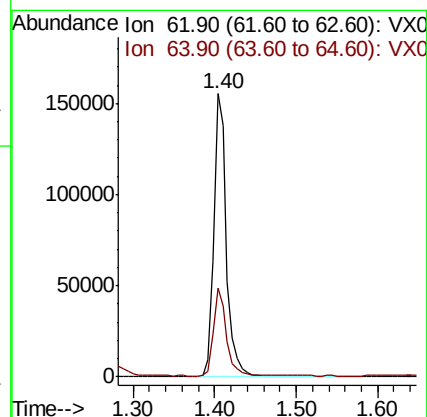
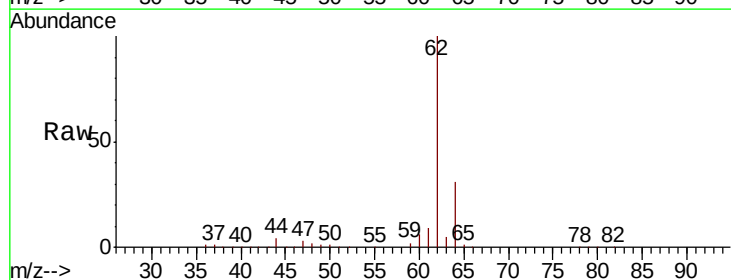
Acq: 15 Sep 2018 09:22

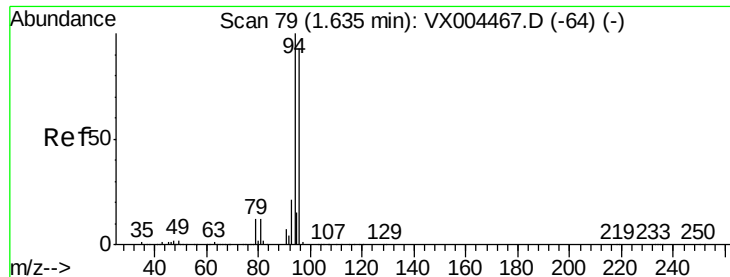
Tgt Ion: 62 Resp: 169133

Ion Ratio Lower Upper

62 100

64 31.1 25.8 38.8





#5

Bromomethane

Concen: 40.38 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MS

Tot Ion: 94 Resp: 59329

Ion Ratio Lower Upper

94 100

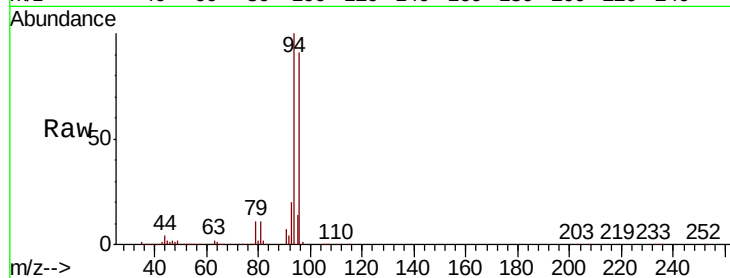
96 91.4 74.5 111.7

Manual Integrations

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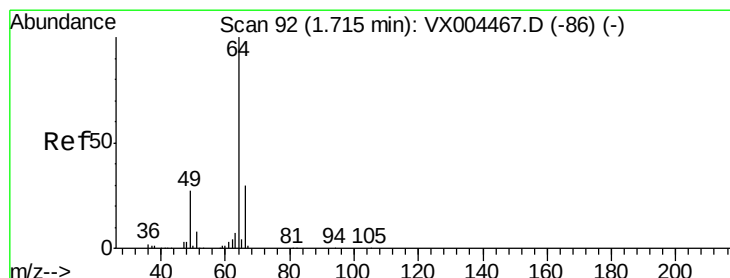
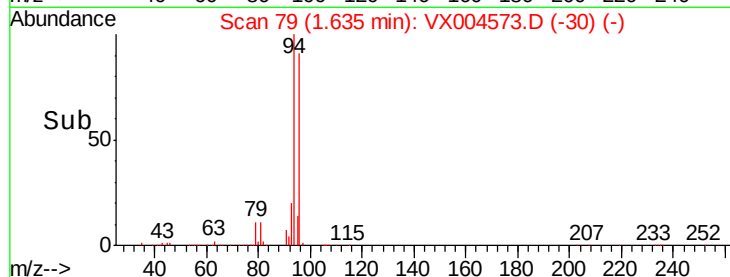
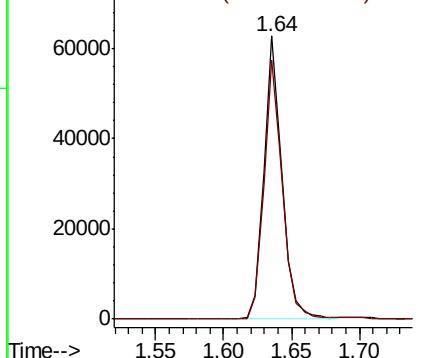
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 47.99 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004573.D

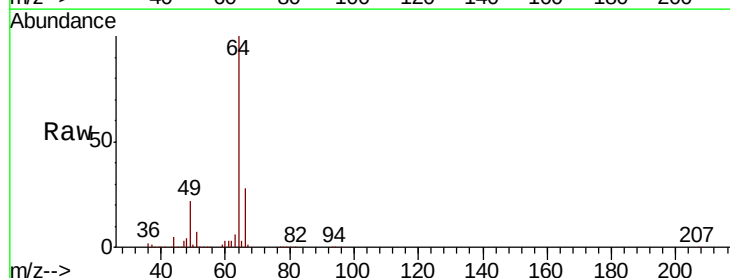
Acq: 15 Sep 2018 09:22

Tgt Ion: 64 Resp: 108287

Ion Ratio Lower Upper

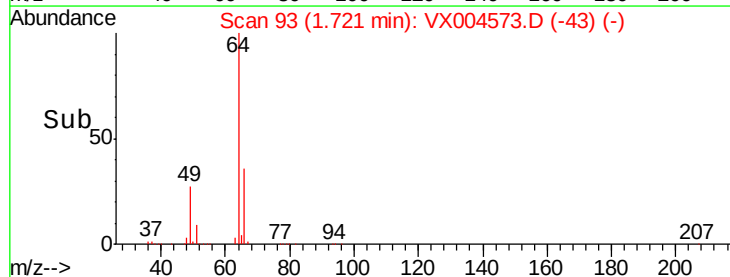
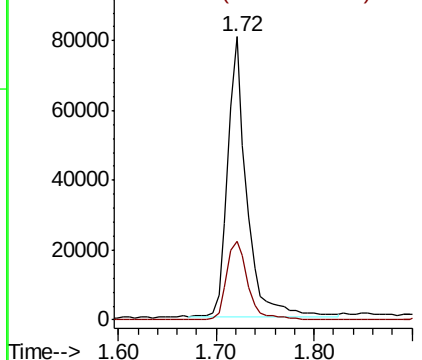
64 100

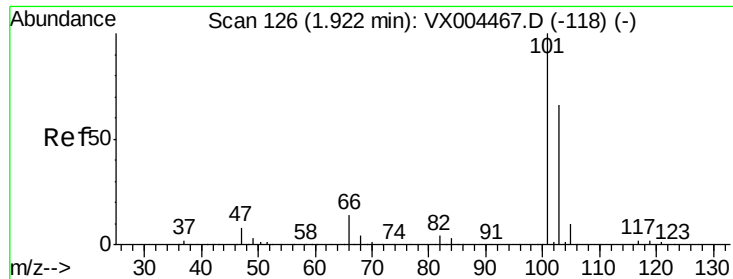
66 28.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

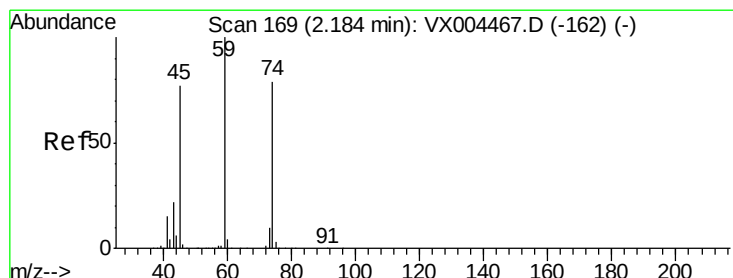
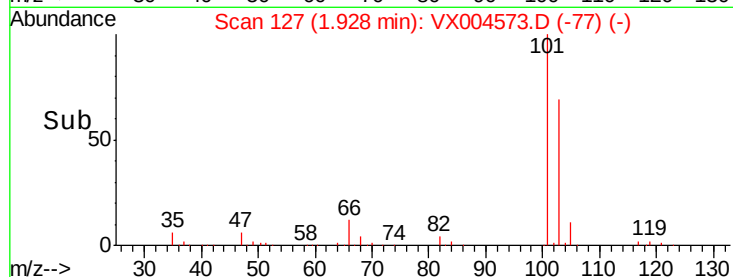
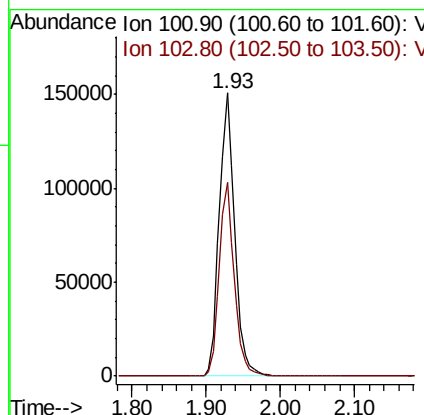
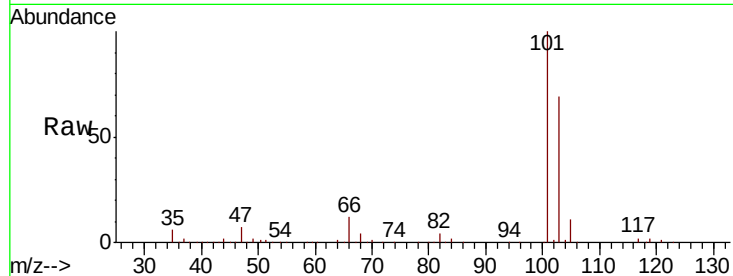
Trichlorofluoromethane
 Concen: 46.49 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

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 S13-0242MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	215041		
103	68.7	48.9	73.3	

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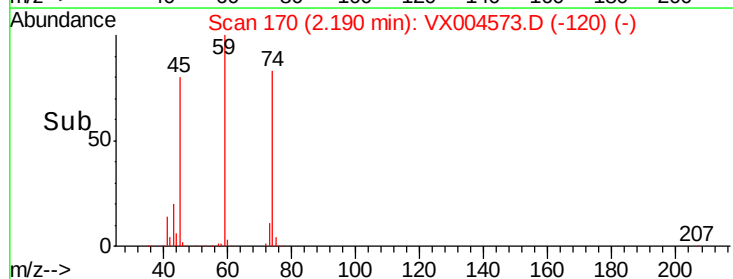
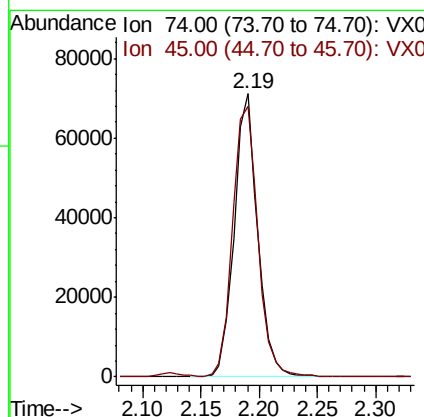
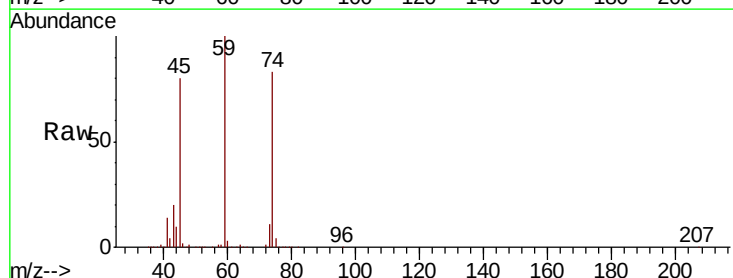
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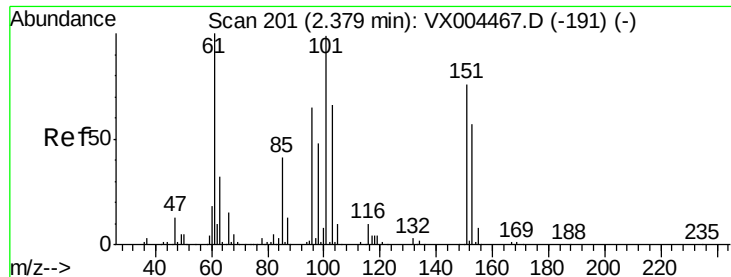


#8

Diethyl Ether
 Concen: 48.23 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	100010		
45	102.5	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.70 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

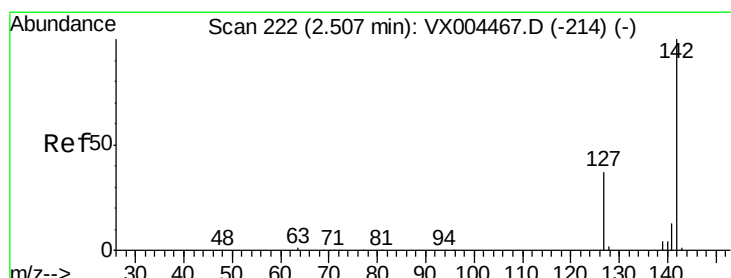
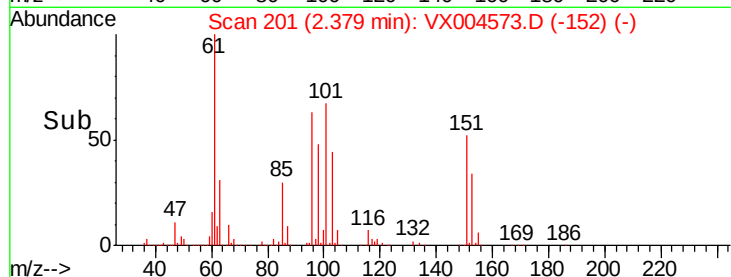
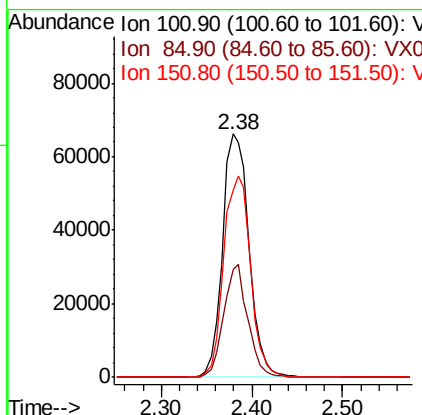
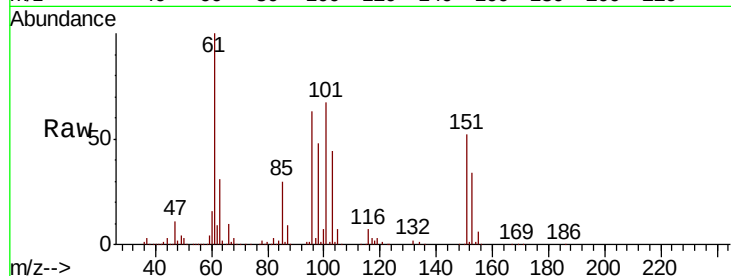
ClientSampleId :

S13-0242MS

Tot Ion:	101	Resp:	134084
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	84.2	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 33.57 ug/l

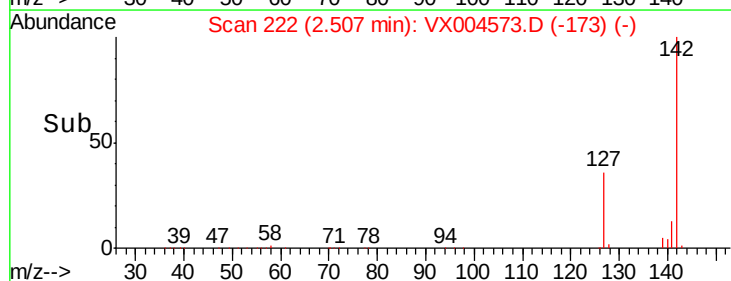
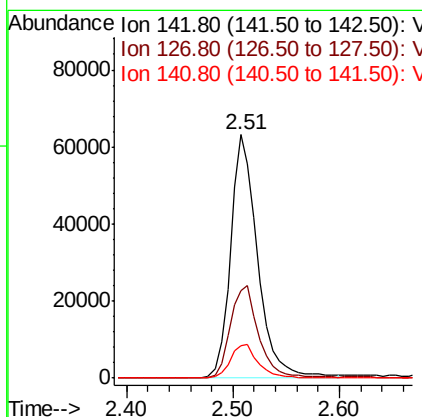
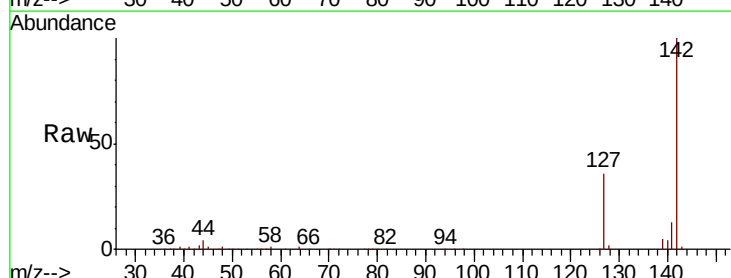
RT: 2.51 min Scan# 222

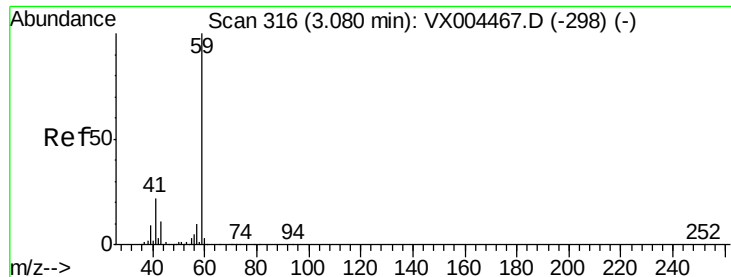
Delta R.T. 0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tgt Ion:	142	Resp:	112370
Ion Ratio	Lower	Upper	
142	100		
127	39.7	33.8	50.6
141	14.3	11.4	17.0





#11

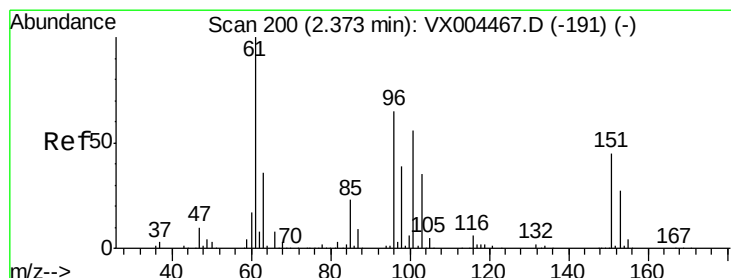
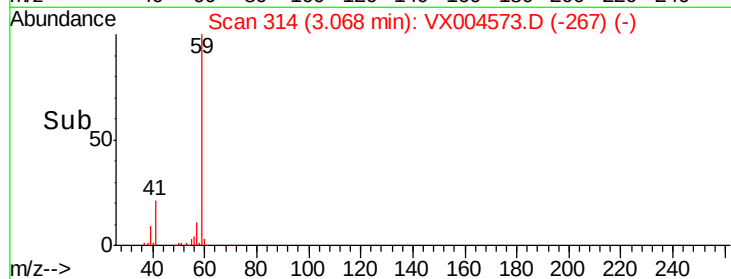
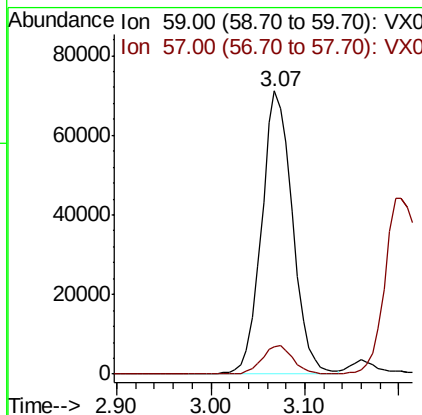
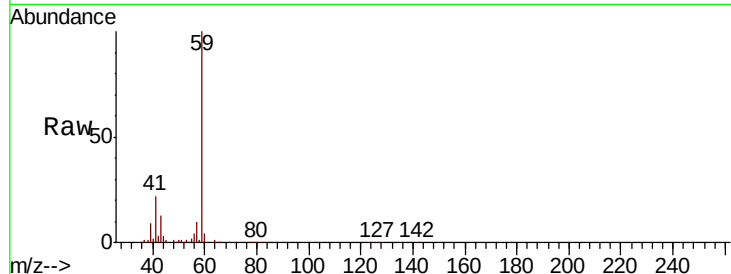
Tert butyl alcohol
Concen: 201.84 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampled :
S13-0242MS

Tot Ion	59	Resp	163674
Ion Ratio	100	Lower	Upper
57	10.0	8.2	12.4

Manual Integrations
APPROVED

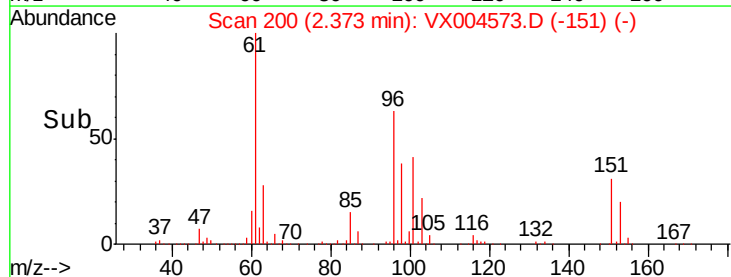
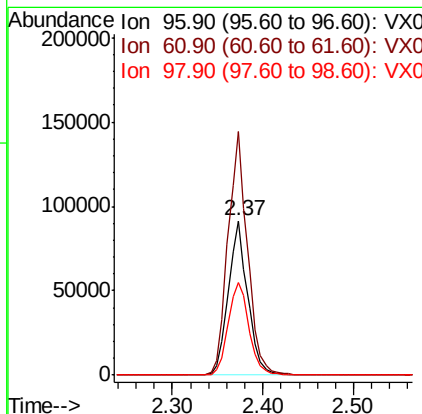
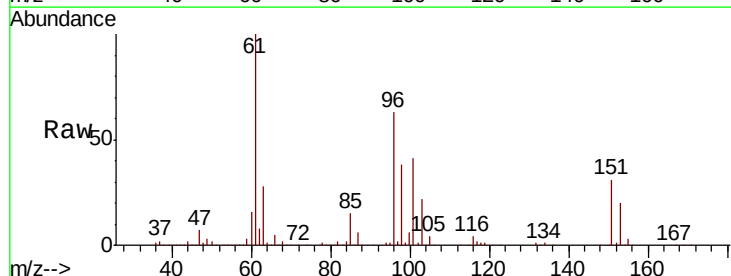
MMDadoda
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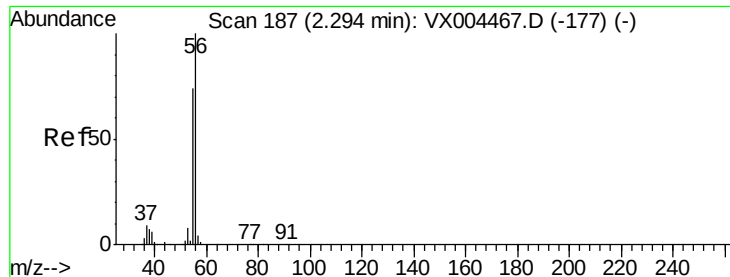


#12

1,1-Dichloroethene
Concen: 49.28 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion	96	Resp	135727
Ion Ratio	100	Lower	Upper
61	157.5	128.8	193.2
98	59.8	52.2	78.2





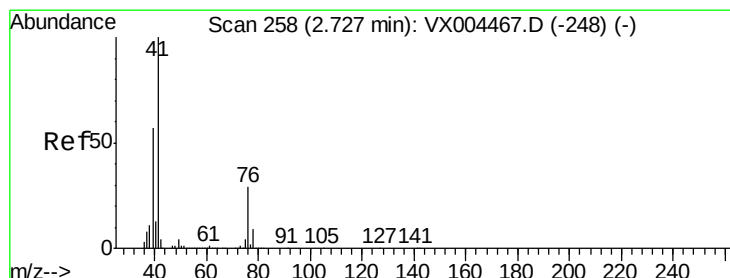
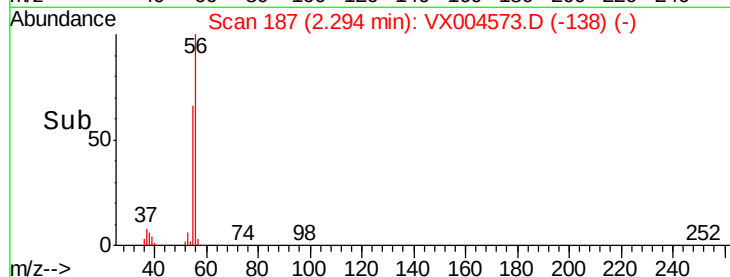
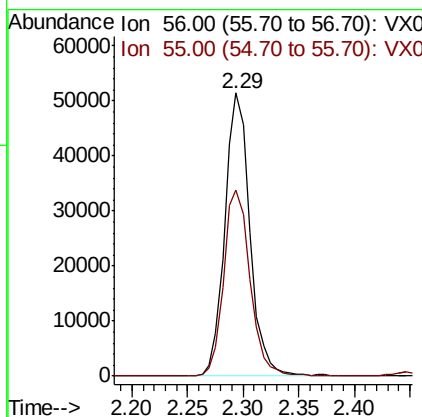
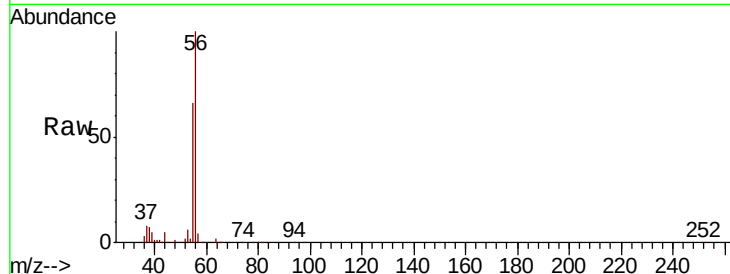
#13
Acrolein
Concen: 251.23 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.4	54.7	82.1

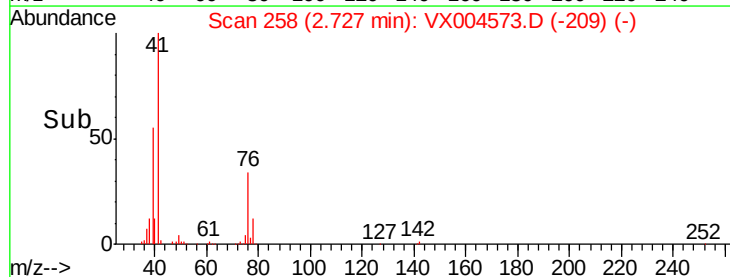
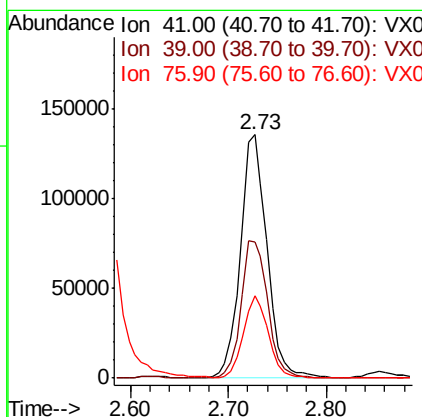
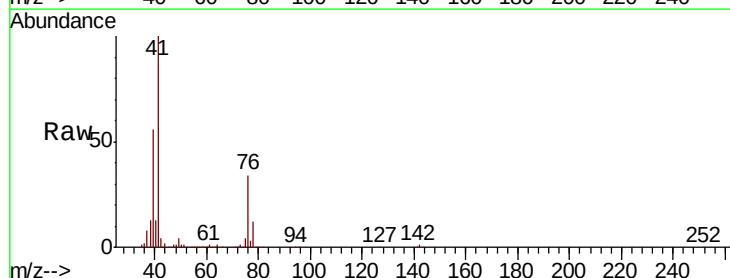
Manual Integrations
APPROVED

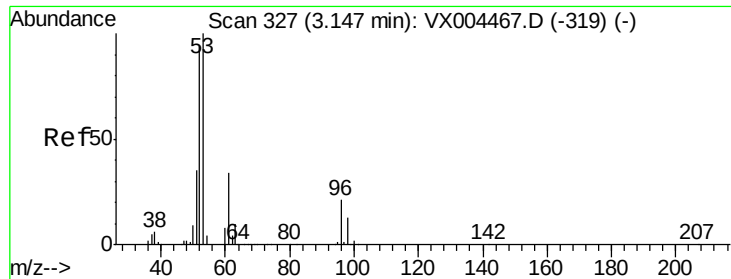
MMDadoda
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#14
Allyl chloride
Concen: 45.13 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.3	48.9	73.3
76	31.6	26.7	40.1





#15

Acrylonitrile

Concen: 226.26 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

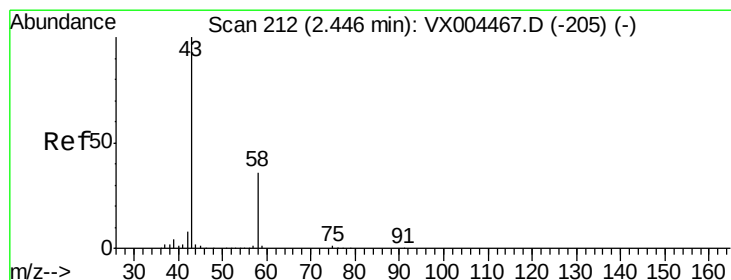
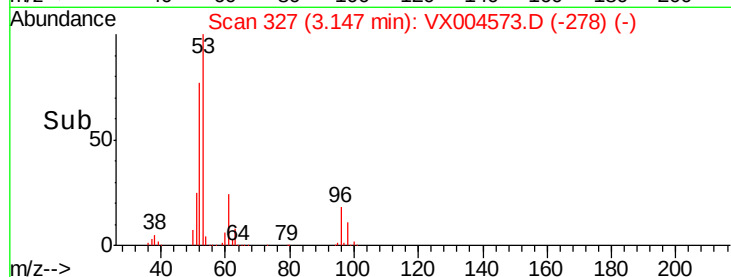
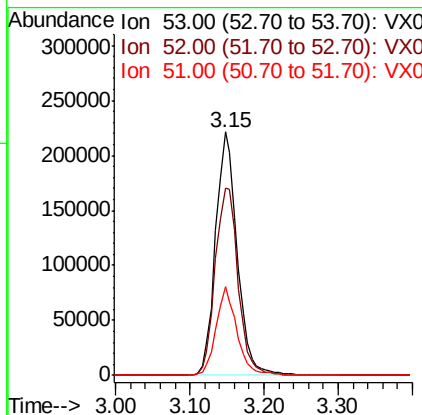
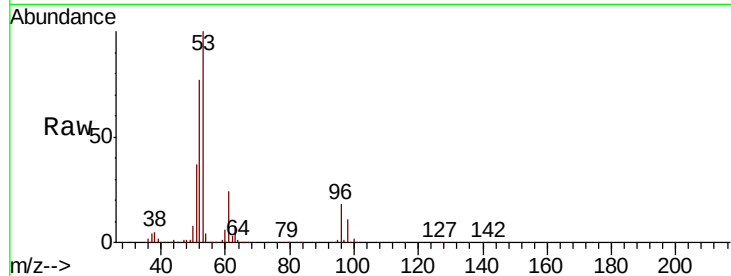
ClientSampleId :

S13-0242MS

Tot Ion:	53	Resp:	441838
Ion Ratio		Lower	Upper
53	100		
52	81.8	65.2	97.8
51	35.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 207.00 ug/l

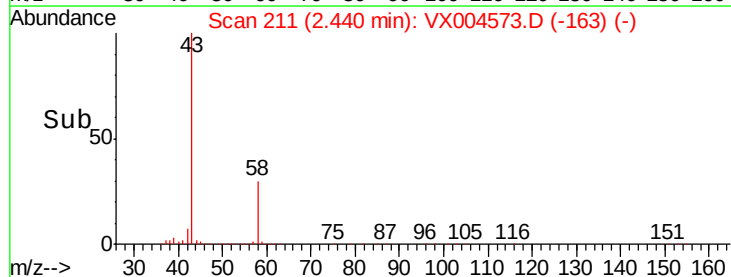
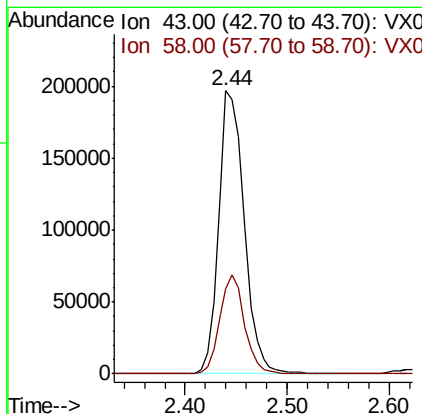
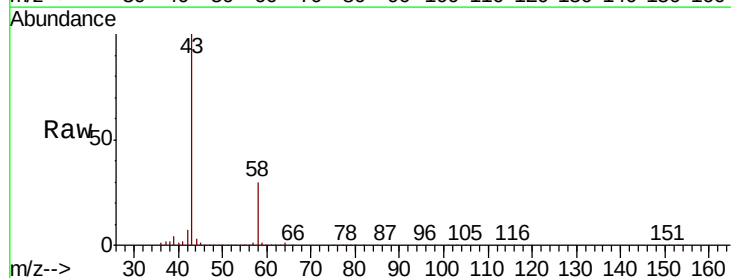
RT: 2.44 min Scan# 211

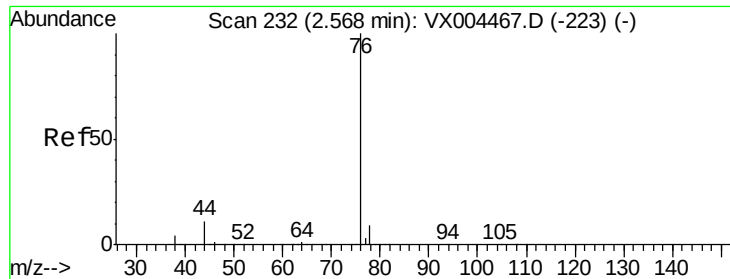
Delta R.T. -0.01 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tgt Ion:	43	Resp:	343356
Ion Ratio		Lower	Upper
43	100		
58	29.9	26.2	39.4





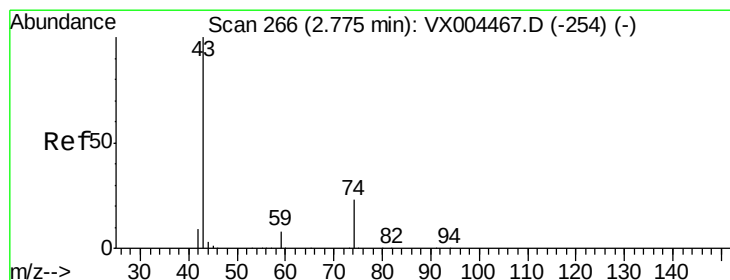
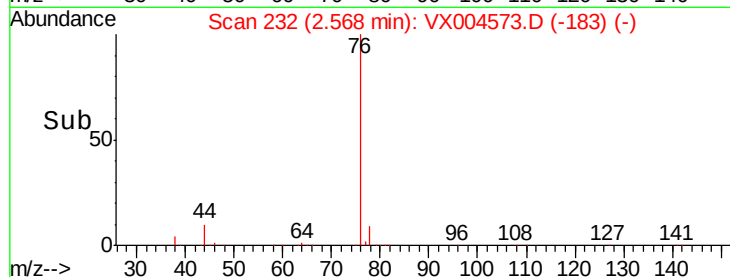
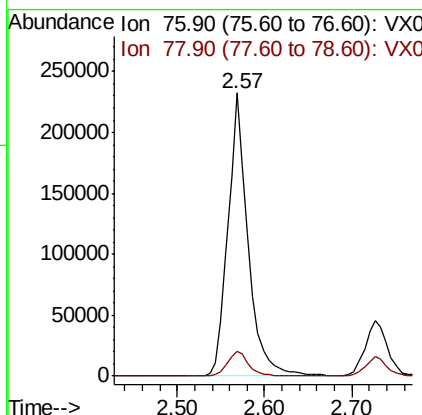
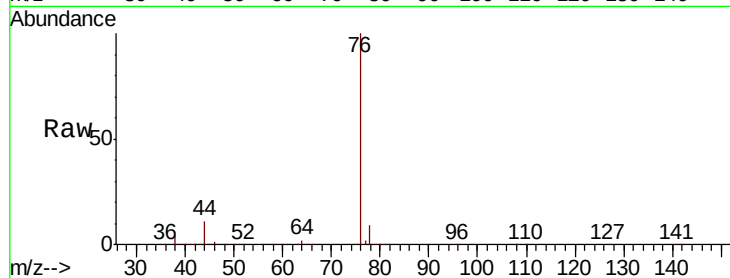
#17
Carbon Disulfide
Concen: 46.61 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampled :
S13-0242MS

Tot Ion: 76 Resp: 371047
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6

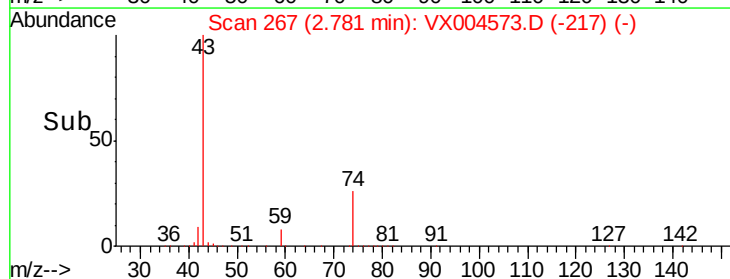
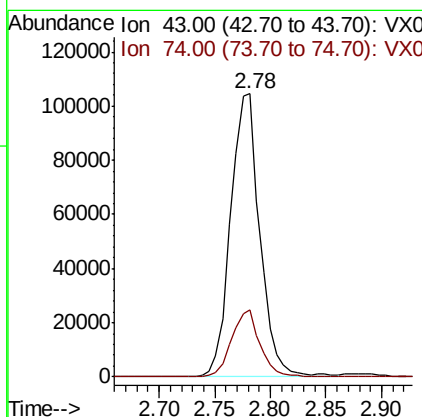
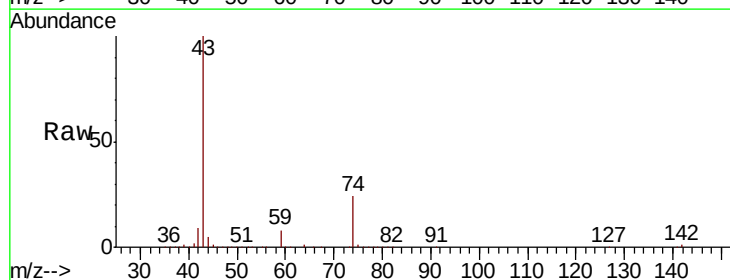
Manual Integrations
APPROVED

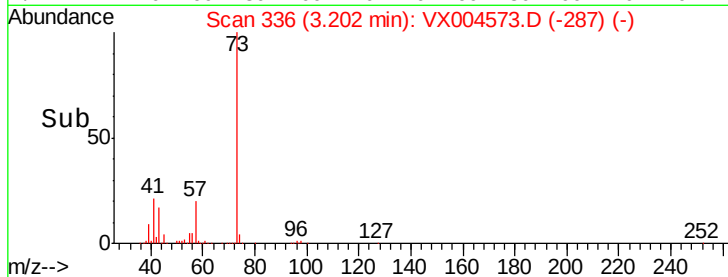
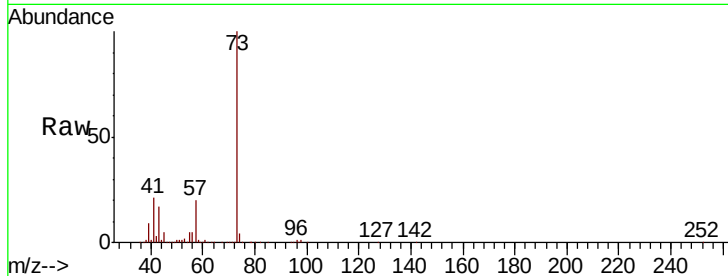
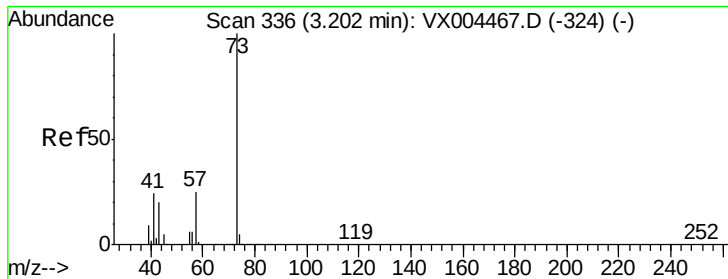
MMDadoda
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#18
Methyl Acetate
Concen: 40.69 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion: 43 Resp: 189379
Ion Ratio Lower Upper
43 100
74 23.0 19.4 29.2





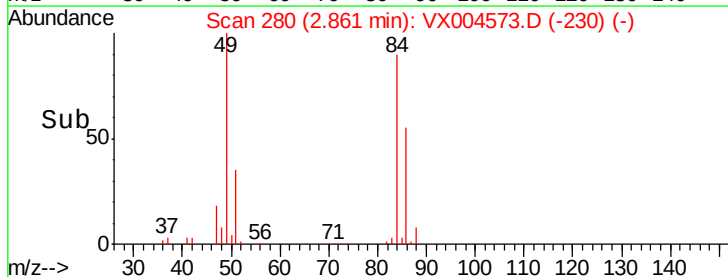
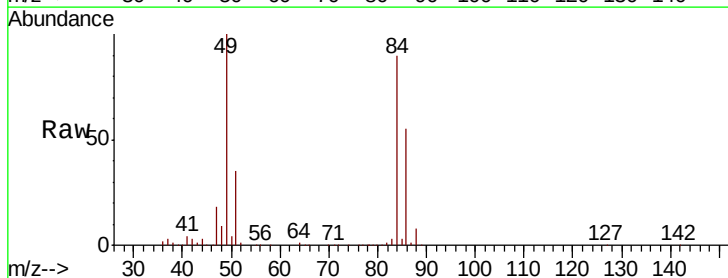
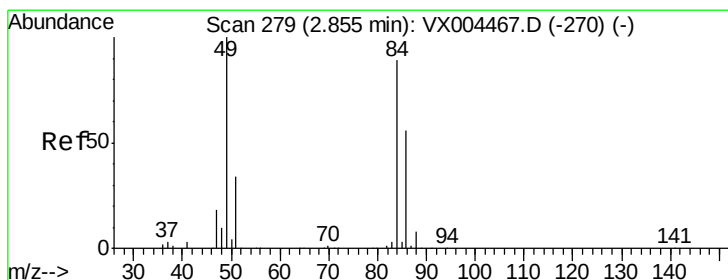
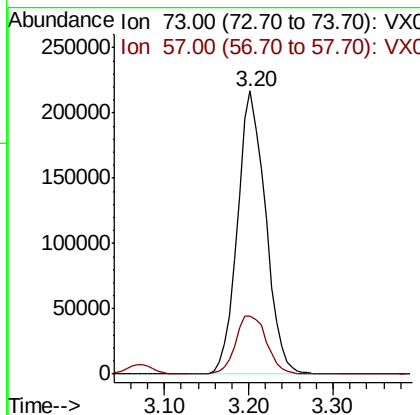
#19
Methyl tert-butyl Ether
Concen: 50.28 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.1	25.7

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MS

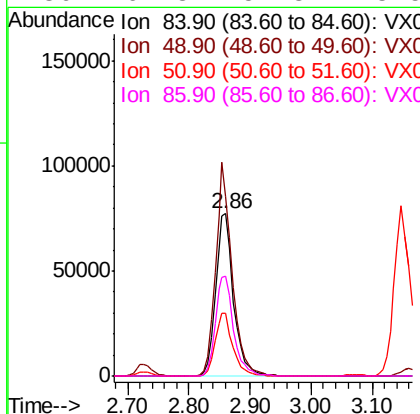
Manual Integrations
APPROVED

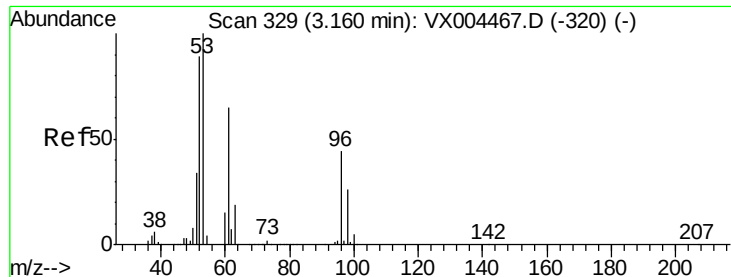
MMDadoda
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#20
Methylene Chloride
Concen: 46.87 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.8	101.2	151.8
51	38.6	29.5	44.3
86	61.3	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 47.86 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

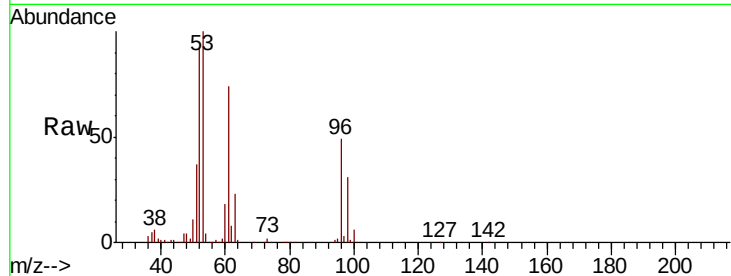
ClientSampled :

S13-0242MS

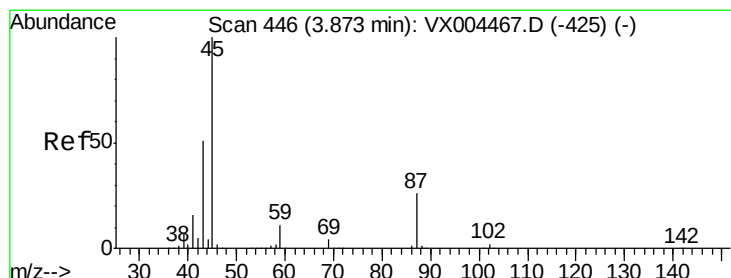
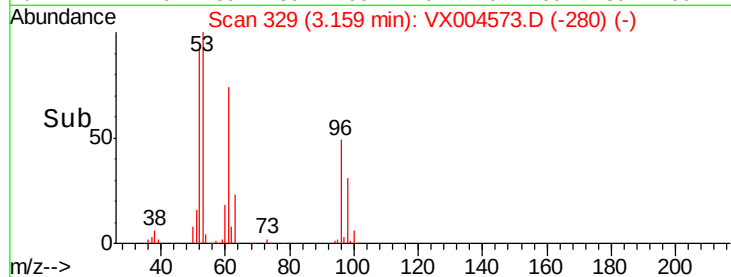
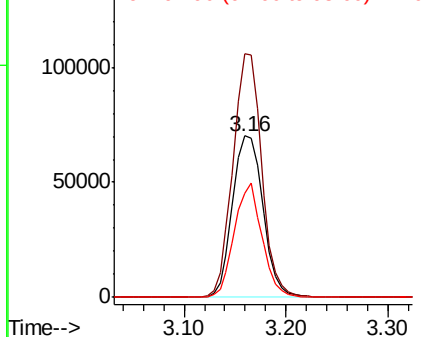
Tot Ion:	96	Resp:	145660
Ion	Ratio	Lower	Upper
96	100		
61	151.0	113.8	170.6
98	64.2	51.8	77.8

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: 49.84 ug/l

RT: 3.87 min Scan# 445

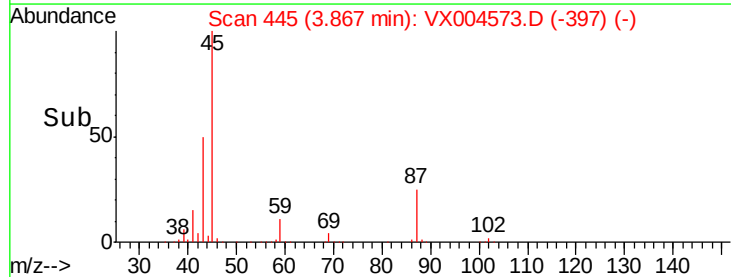
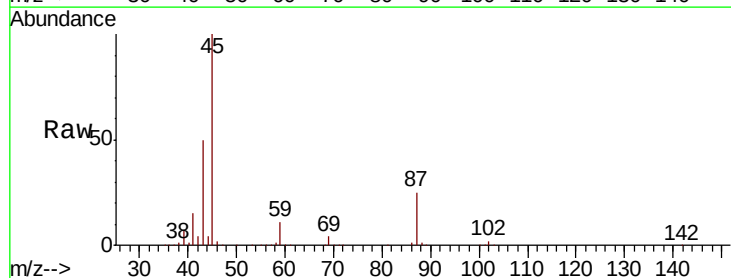
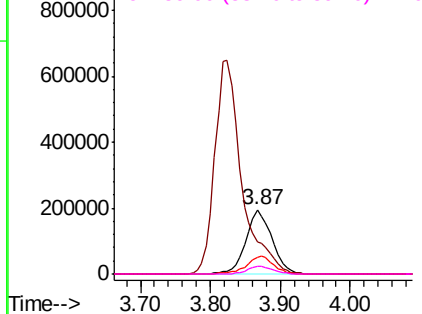
Delta R.T. -0.01 min

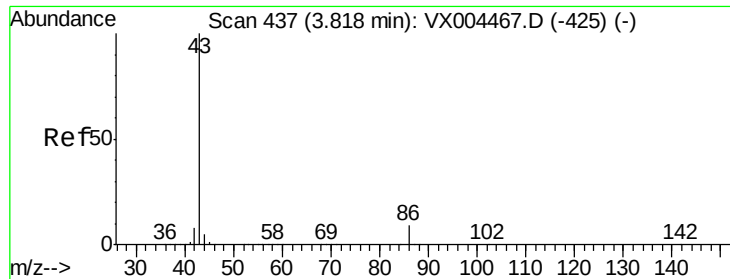
Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tgt Ion:	45	Resp:	508222
Ion	Ratio	Lower	Upper
45	100		
43	50.2	42.8	64.2
87	25.3	22.6	34.0
59	11.4	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: 210.15 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MS

Tot Ion: 43 Resp: 1734204

Ion Ratio Lower Upper

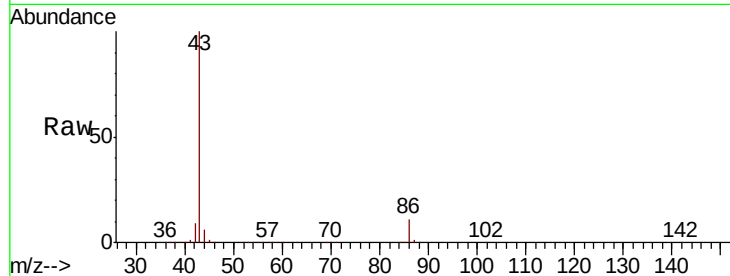
43 100

86 11.0 8.9 13.3

Manual Integrations
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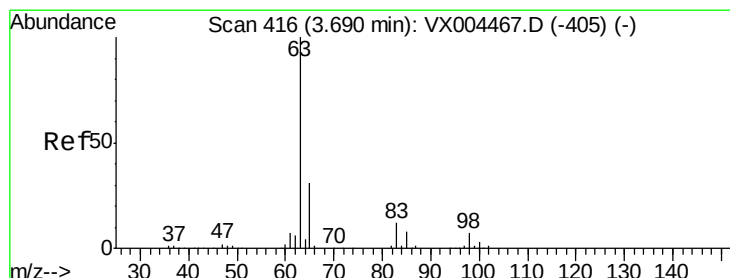
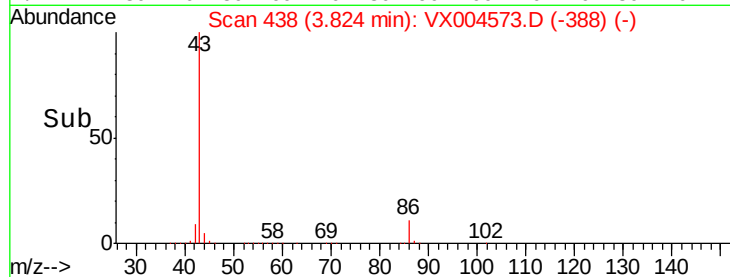
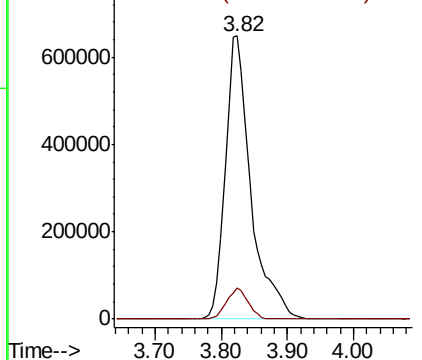
MMDadoda

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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: 47.65 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

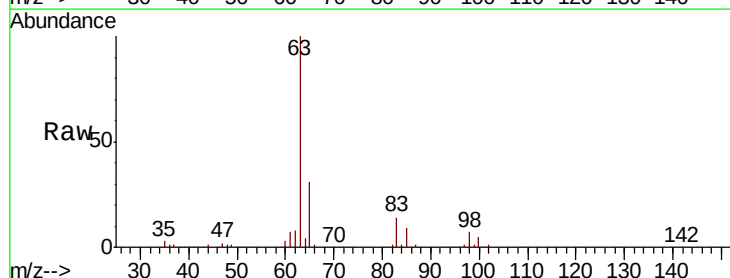
Tgt Ion: 63 Resp: 274328

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

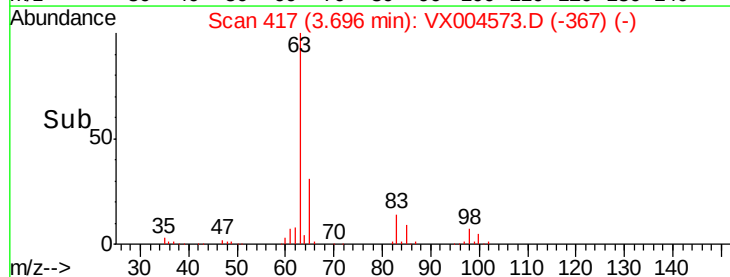
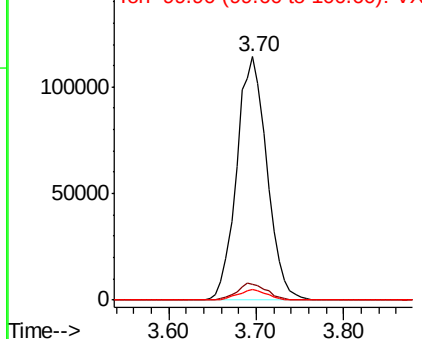
100 4.6 2.4 7.1

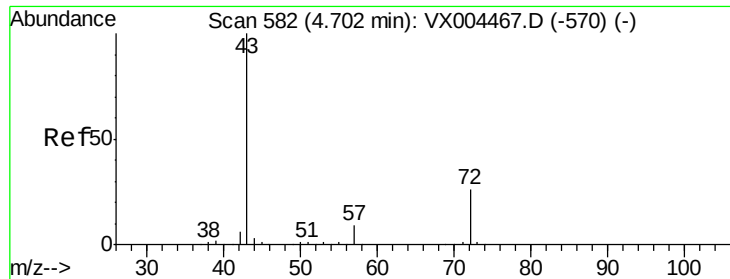


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 212.05 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MS

Tot Ion: 43 Resp: 559780

Ion Ratio Lower Upper

43 100

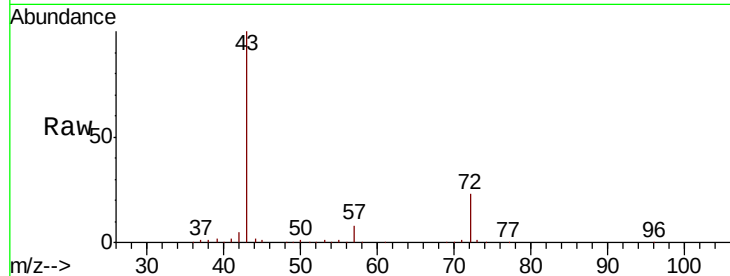
72 23.3 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

200000

150000

100000

50000

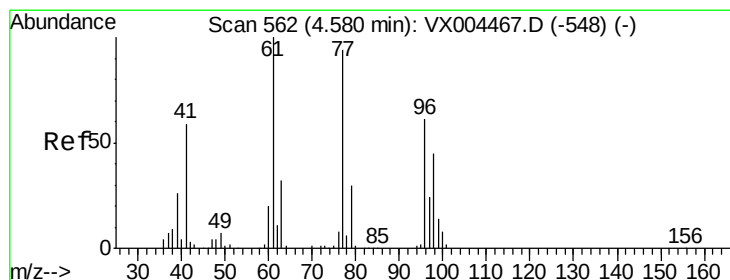
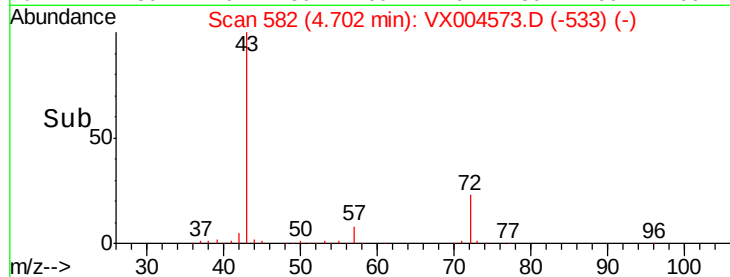
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 31.21 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004573.D

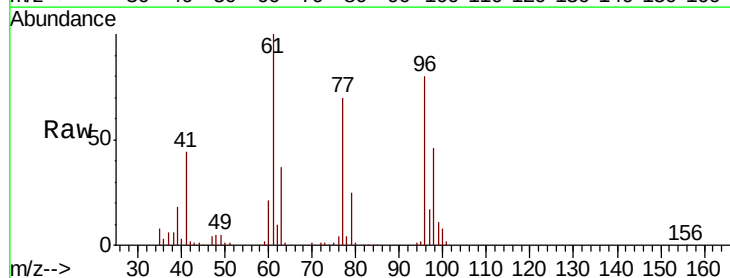
Acq: 15 Sep 2018 09:22

Tgt Ion: 77 Resp: 123410

Ion Ratio Lower Upper

77 100

97 26.5 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

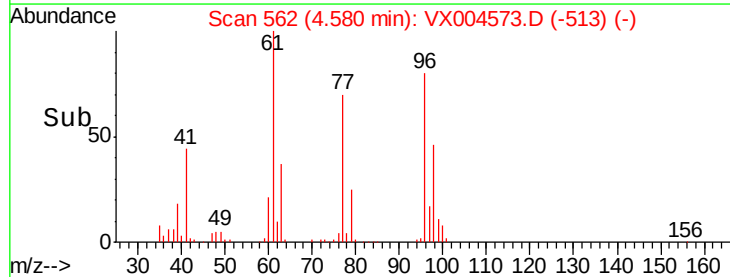
4.40

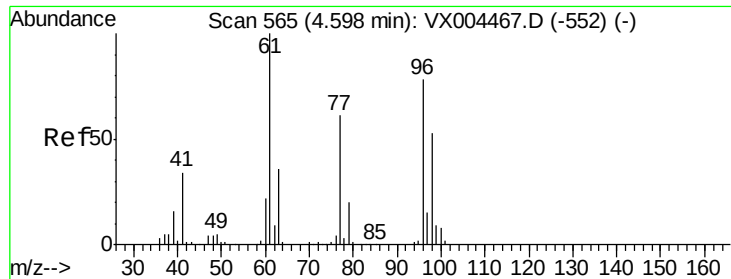
4.50

4.60

4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.81 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tot Ion:	96	Resp:	172611
Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	282.6
98	62.3	0.0	130.2

Instrument :

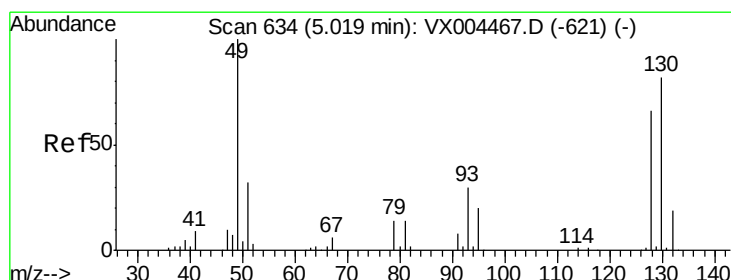
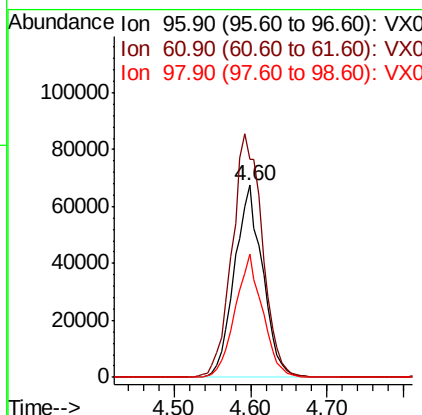
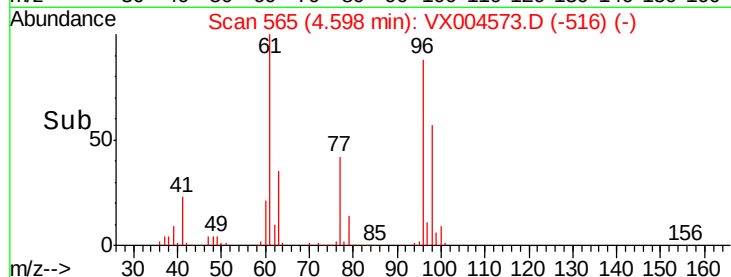
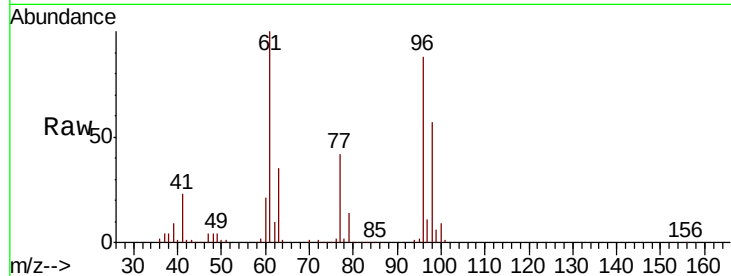
MSVOA_X

ClientSampleId :

S13-0242MS

Manual Integrations
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#28

Bromochloromethane

Concen: 51.92 ug/l

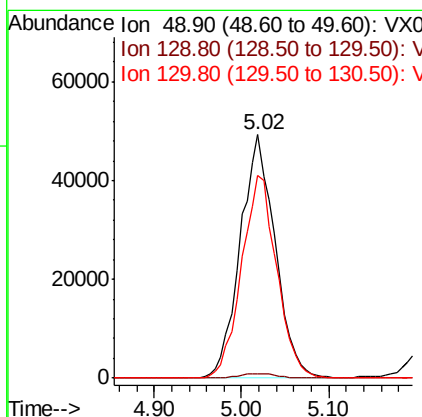
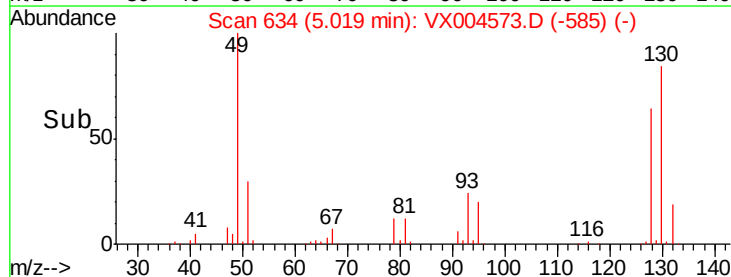
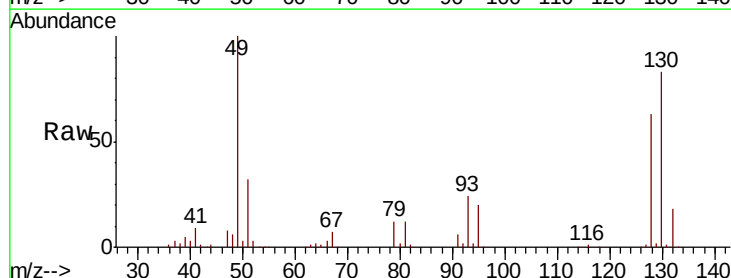
RT: 5.02 min Scan# 634

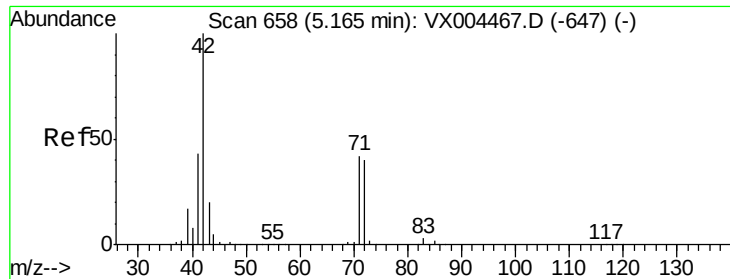
Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tgt Ion:	49	Resp:	136734
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	83.9	67.5	101.3





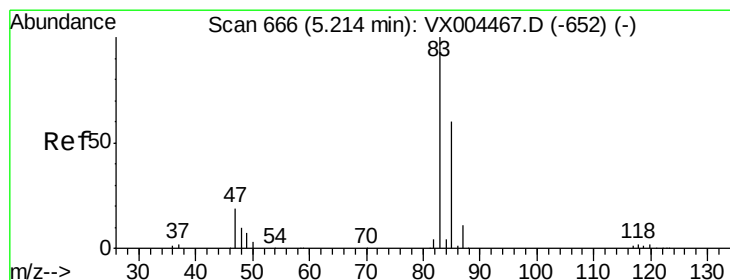
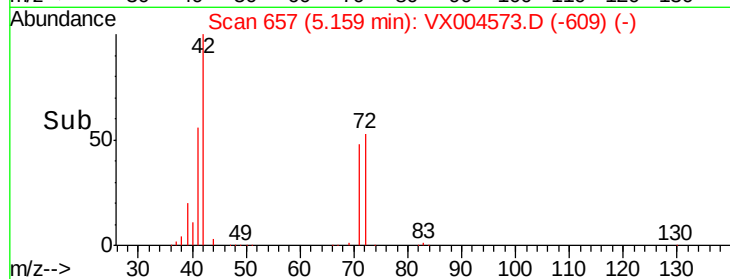
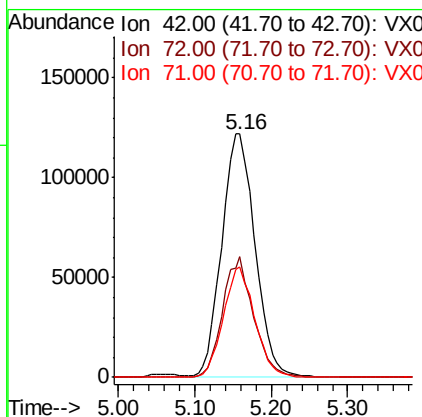
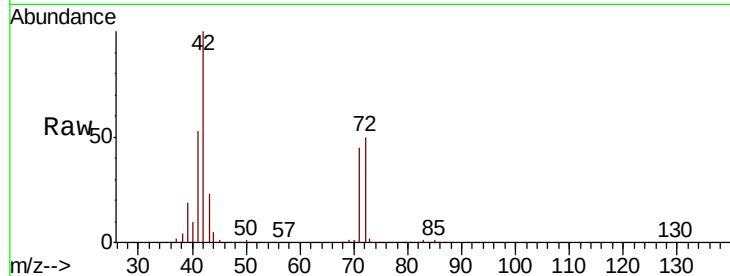
#29
Tetrahydrofuran
Concen: 230.20 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	37.4	56.0
71	43.0	34.5	51.7

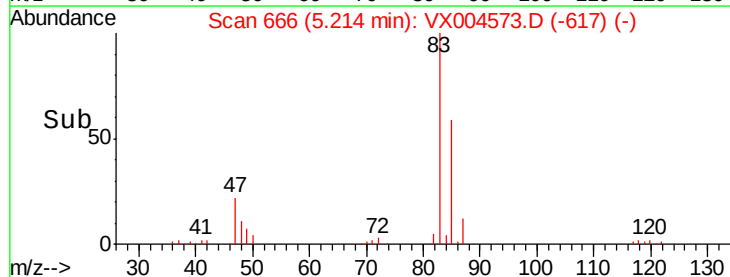
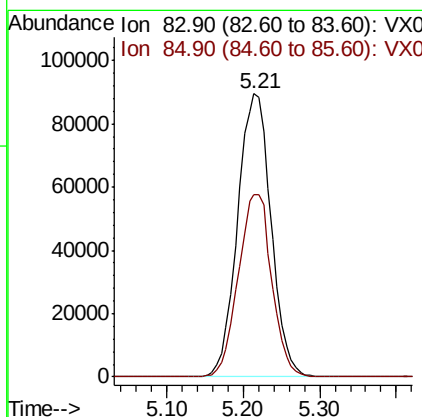
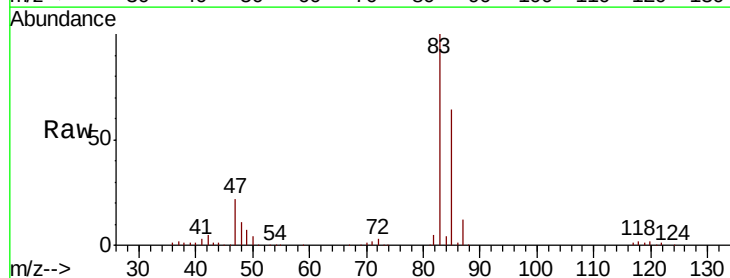
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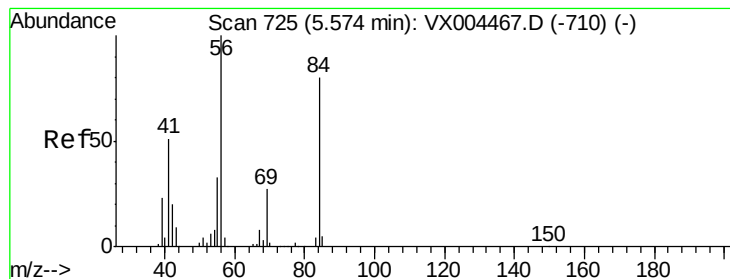
MMDadoda
9/17/2018 5:09:32 PM



#30
Chloroform
Concen: 48.32 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	79.0





#31

Cyclohexane

Concen: 49.64 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

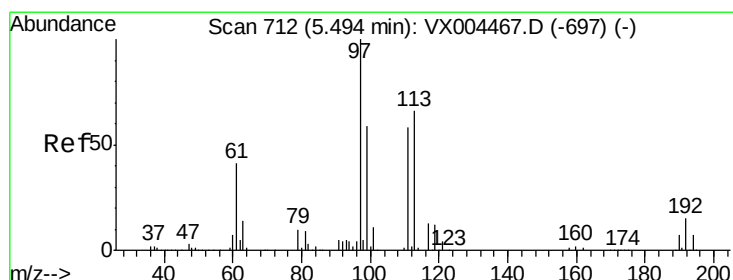
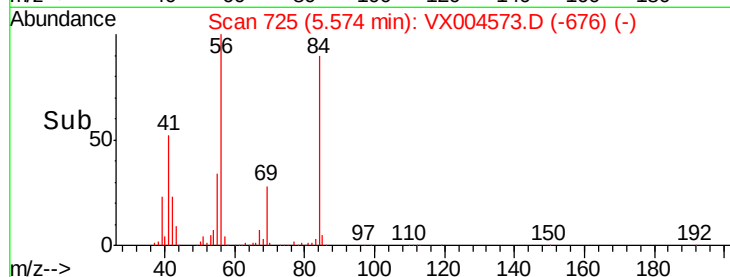
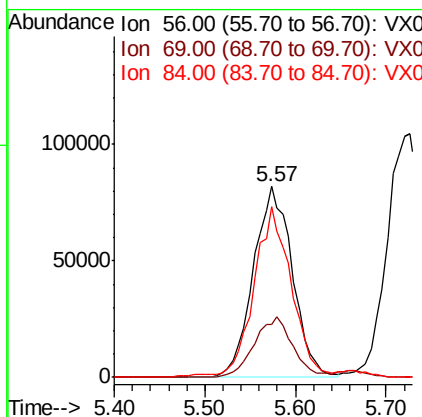
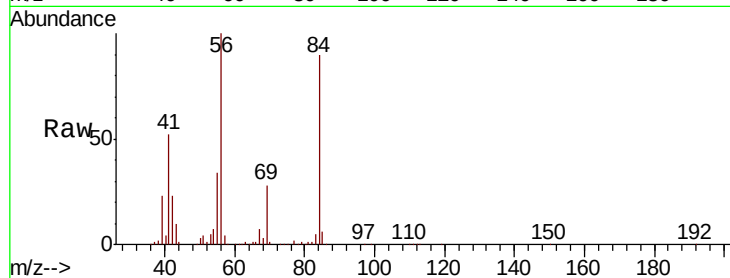
ClientSampleId :

S13-0242MS

Tot Ion:	56	Resp:	244040
Ion	Ratio	Lower	Upper
56	100		
69	27.6	25.4	38.2
84	88.6	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.79 ug/l

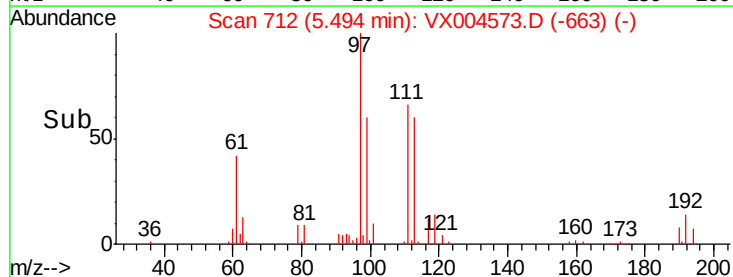
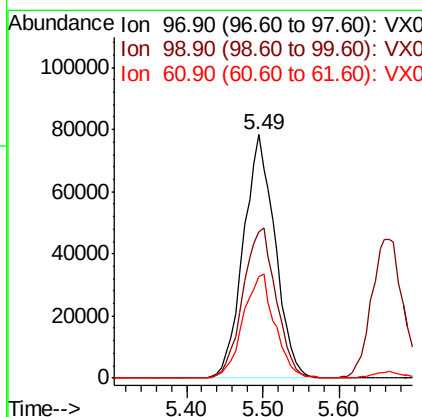
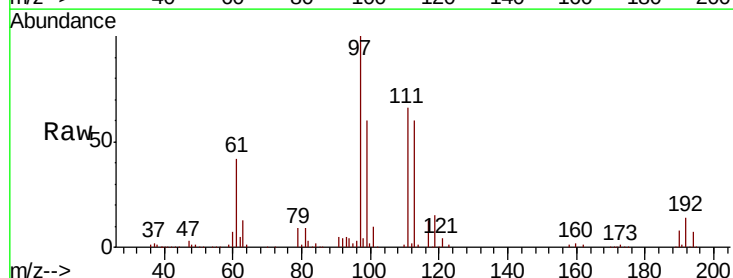
RT: 5.49 min Scan# 712

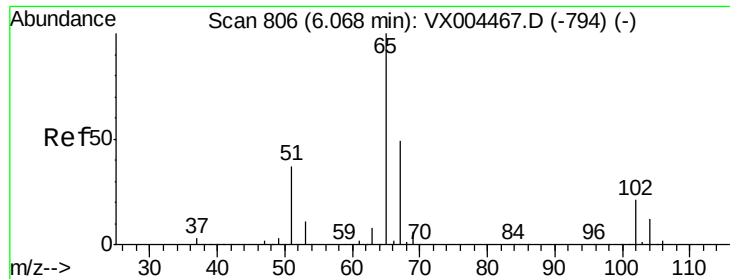
Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tgt Ion:	97	Resp:	225405
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	43.0	34.9	52.3





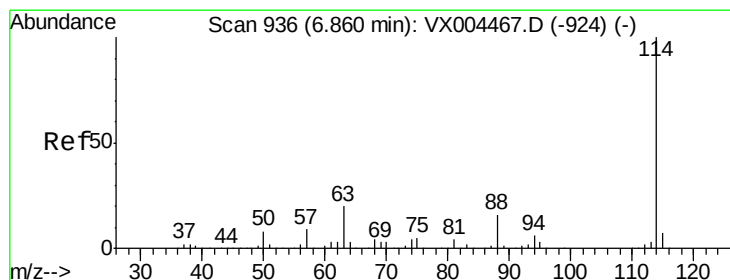
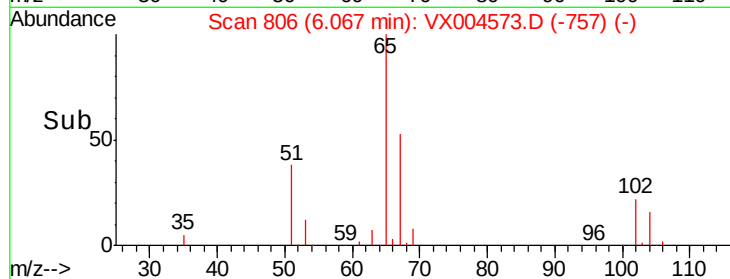
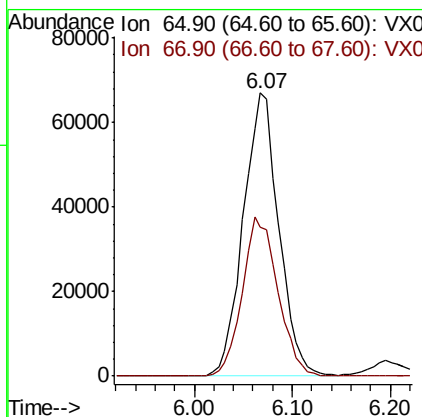
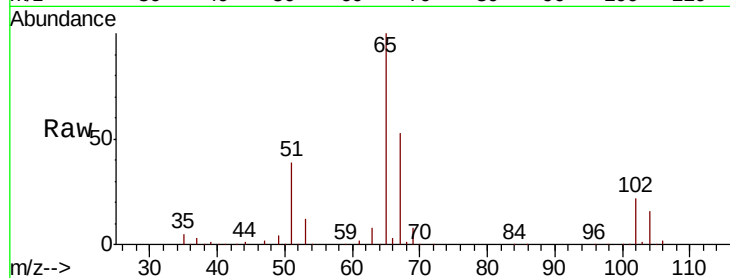
#33
 1,2-Dichloroethane-d4
 Concen: 49.58 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	168495		
67	56.4	0.0	106.8	

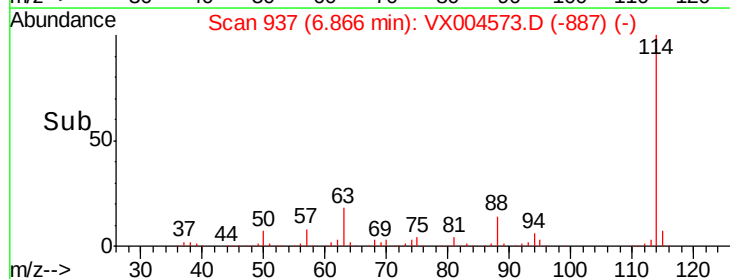
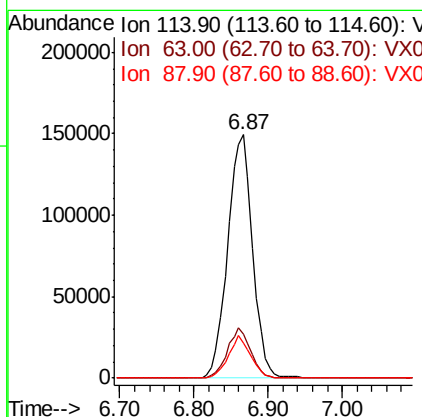
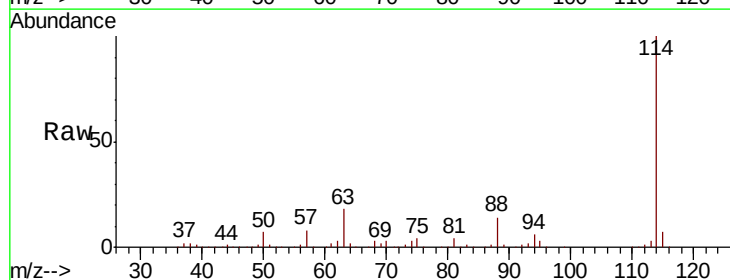
Manual Integrations
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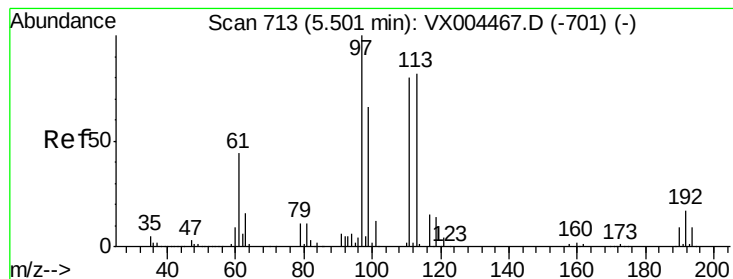
MMDadoda
 9/17/2018 5:09:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	348873		
63	17.8	0.0	39.0	
88	14.2	0.0	30.4	





#35

Dibromofluoromethane

Concen: 47.58 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

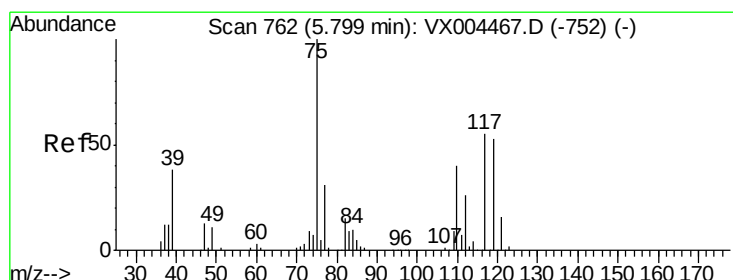
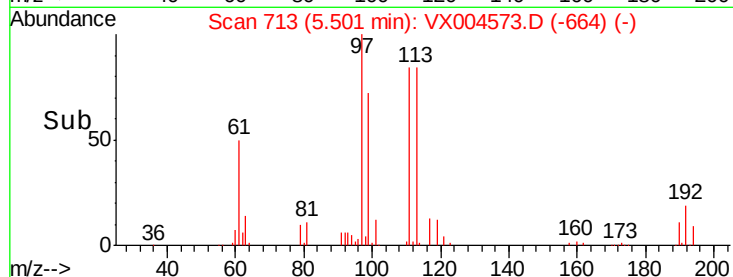
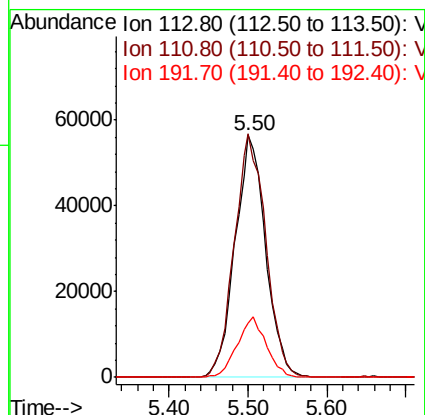
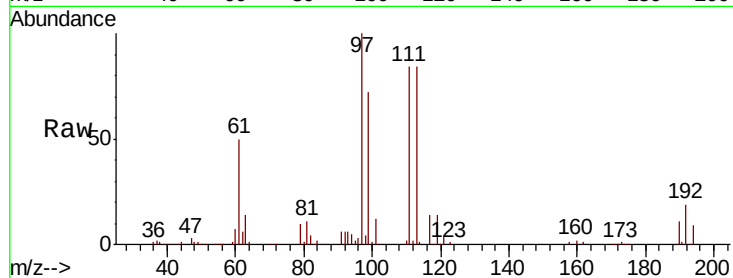
ClientSampleId :

S13-0242MS

Tot Ion:	113	Resp:	151900
Ion Ratio	Lower	Upper	
113	100		
111	104.0	82.4	123.6
192	23.9	19.4	29.2

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



#36

1,1-Dichloropropene

Concen: 47.66 ug/l

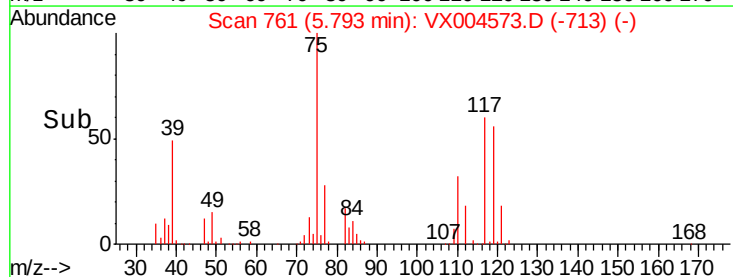
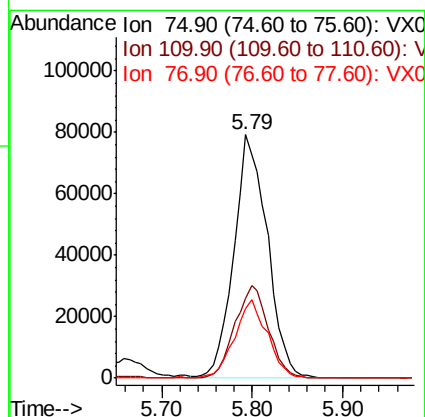
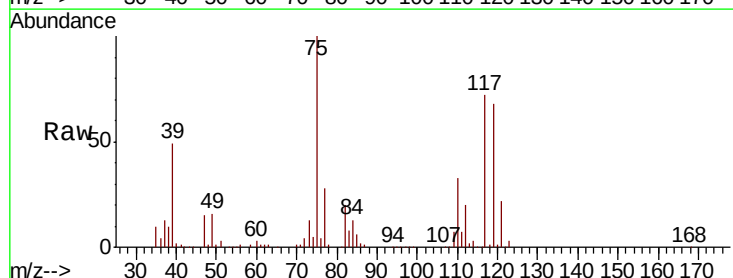
RT: 5.79 min Scan# 761

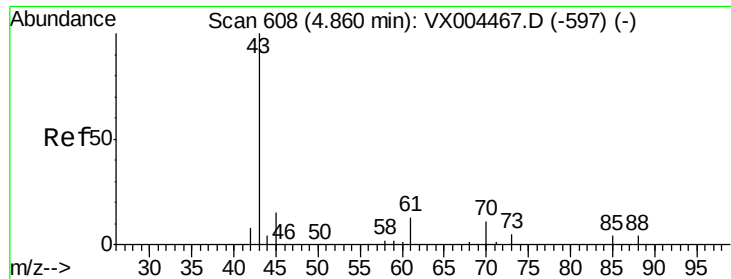
Delta R.T. -0.01 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tgt Ion:	75	Resp:	201878
Ion Ratio	Lower	Upper	
75	100		
110	38.2	18.0	54.0
77	31.6	24.6	36.8





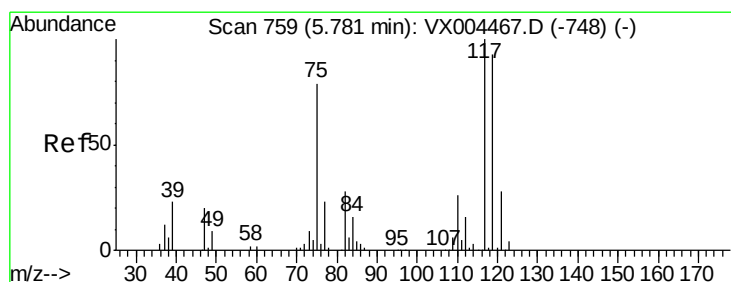
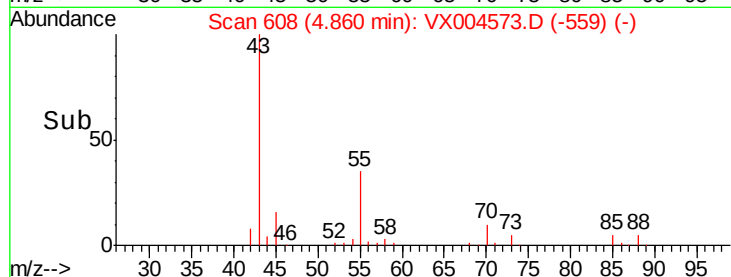
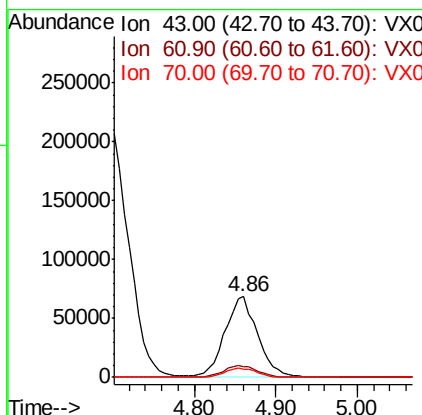
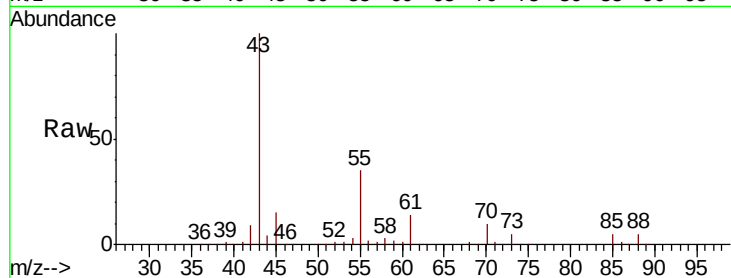
#37
Ethyl Acetate
Concen: 39.04 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.5	17.3
70	11.2	9.0	13.6

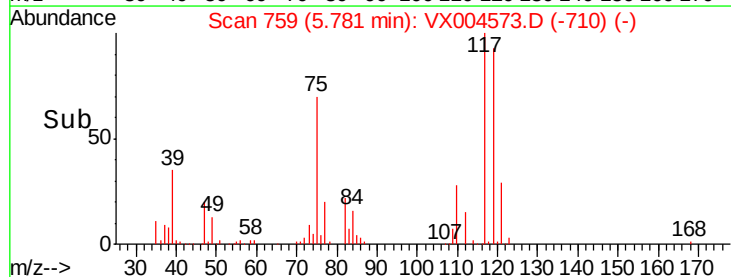
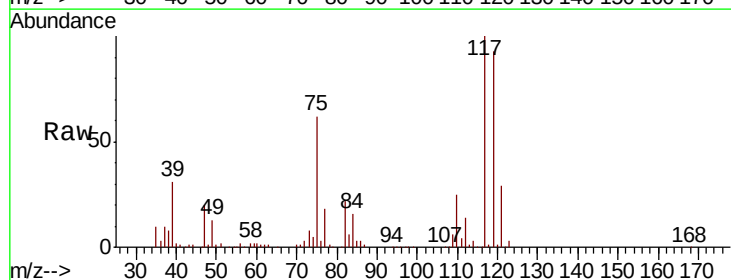
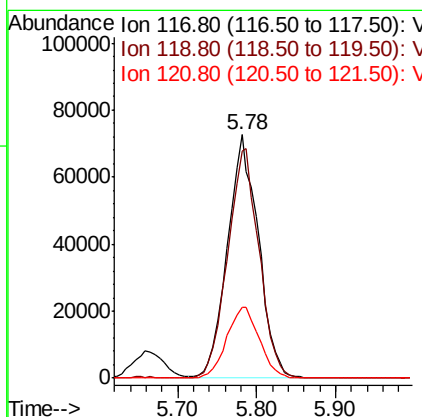
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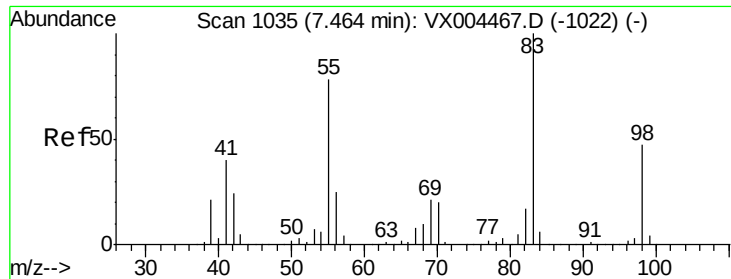
MMDadoda
9/17/2018 5:09:32 PM



#38
Carbon Tetrachloride
Concen: 47.81 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	78.8	118.2
121	29.3	24.9	37.3





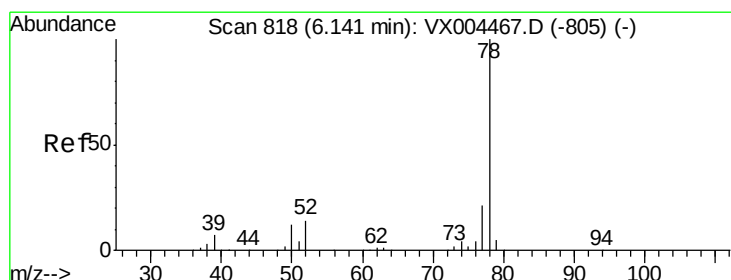
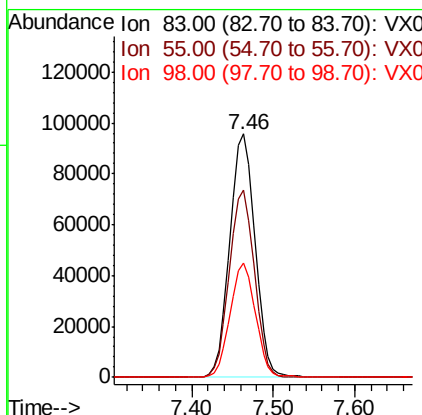
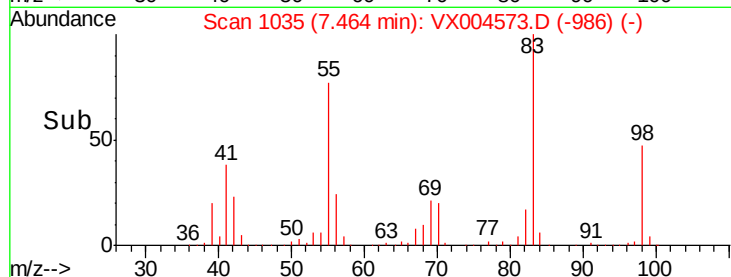
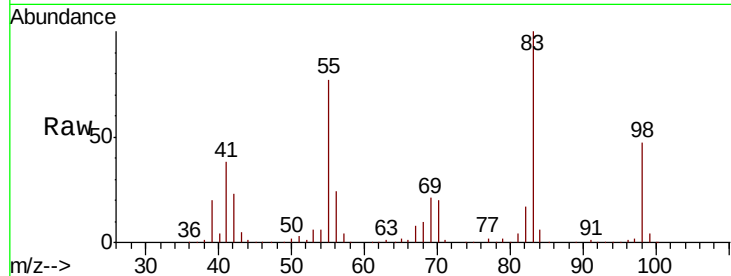
#39
Methylvlcyclohexane
Concen: 46.39 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.1	61.0	91.4	
98	46.8	39.6	59.4	

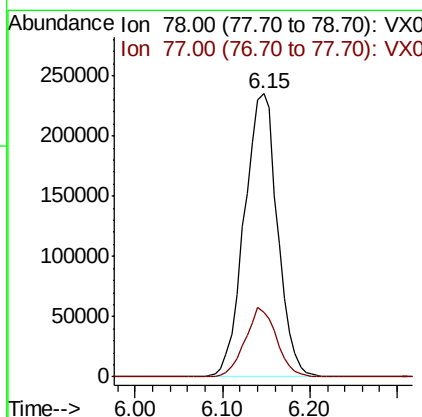
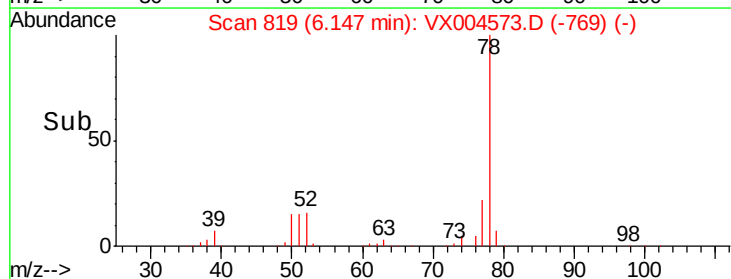
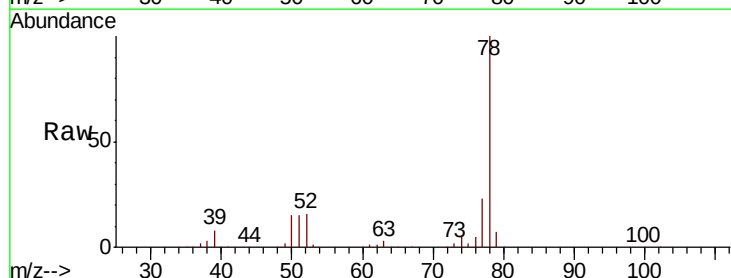
Manual Integrations
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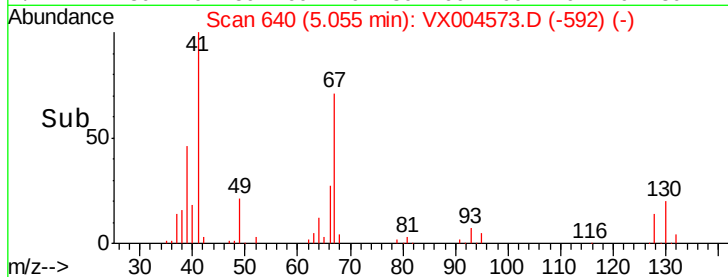
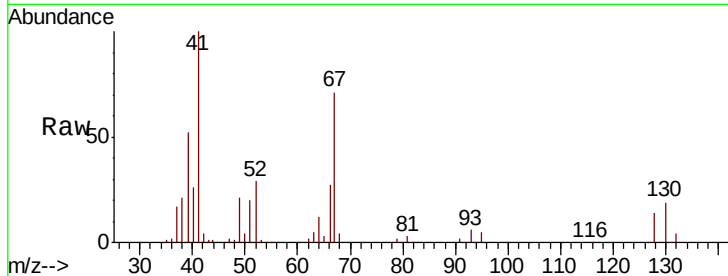
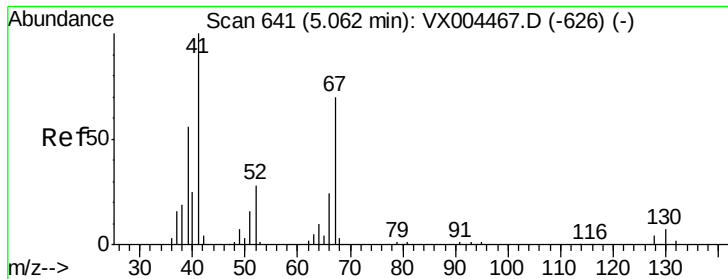
MMDadoda
9/17/2018 5:09:32 PM



#40
Benzene
Concen: 49.23 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.6	19.0	28.4	





#41

Methacrylonitrile

Concen: 46.78 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	42.4	63.6
67	73.6	59.2	88.8
52	28.8	23.0	34.4

Instrument :

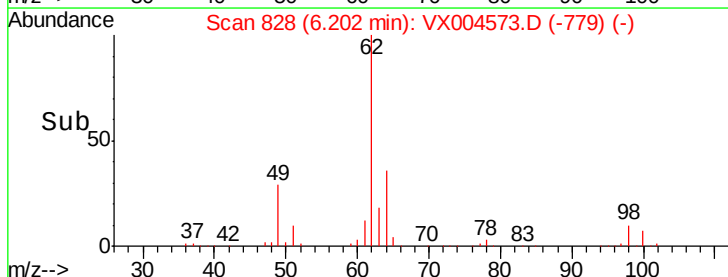
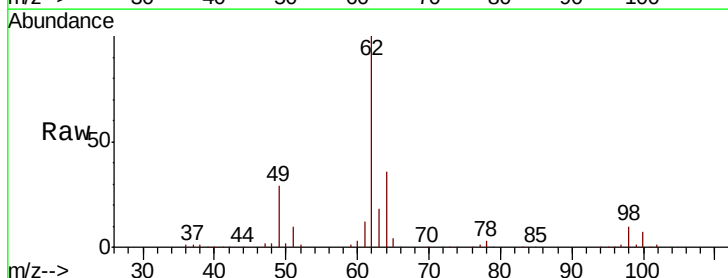
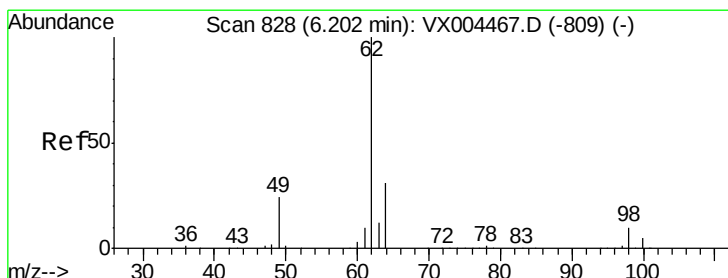
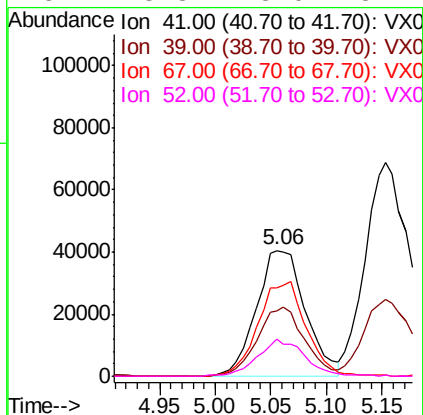
MSVOA_X

ClientSampleId :

S13-0242MS

Manual Integrations
APPROVED

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



#42

1,2-Dichloroethane

Concen: 47.27 ug/l

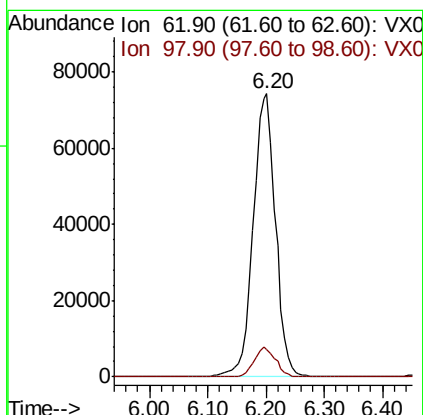
RT: 6.20 min Scan# 828

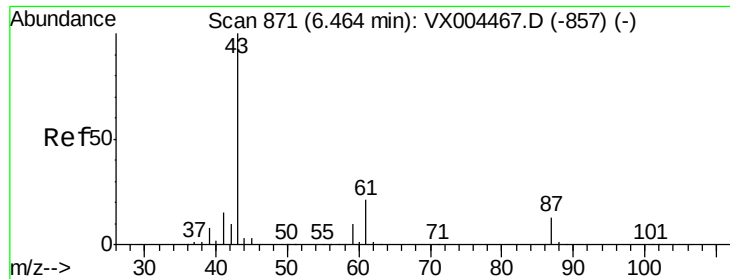
Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 45.26 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

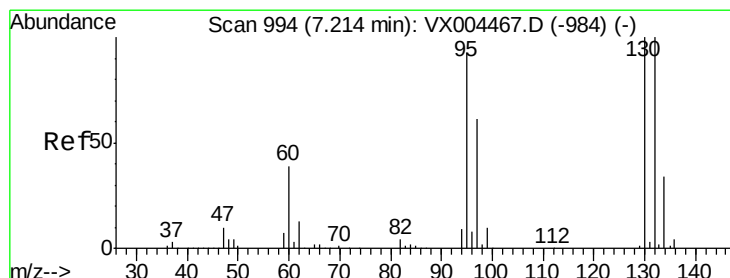
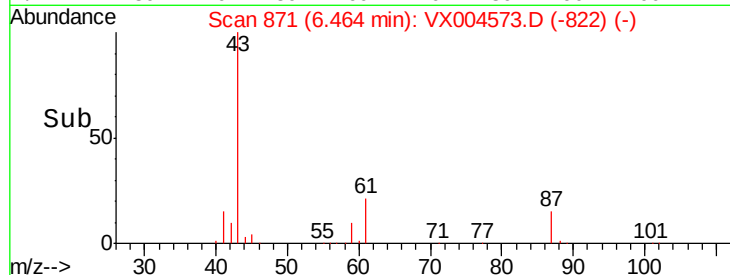
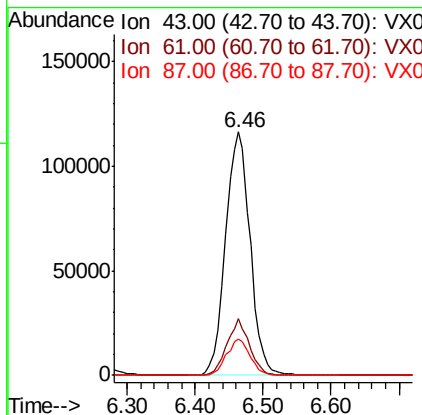
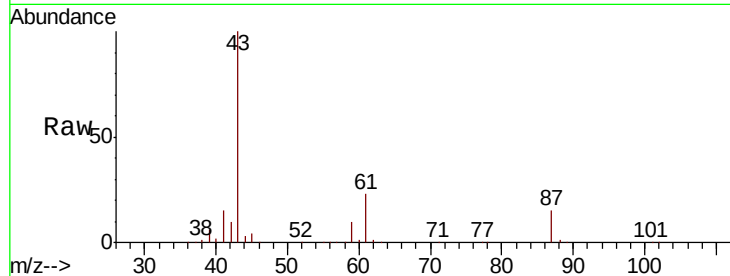
ClientSampleId :

S13-0242MS

Tot Ion:	43	Resp:	289557
Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.0	25.4
87	14.3	11.4	17.2

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



#44

Trichloroethene

Concen: 48.72 ug/l

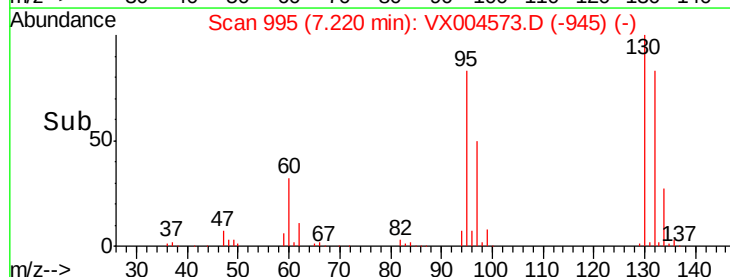
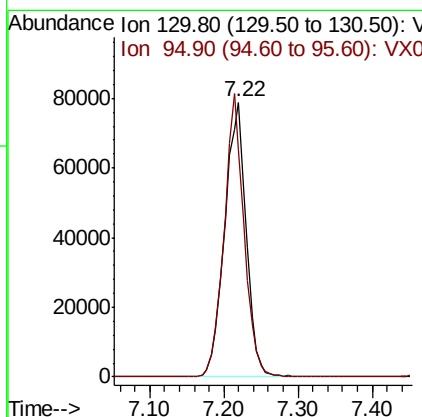
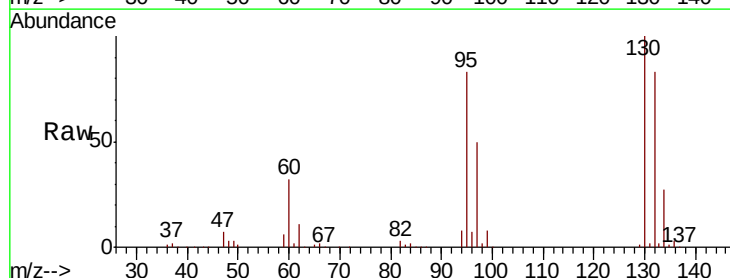
RT: 7.22 min Scan# 995

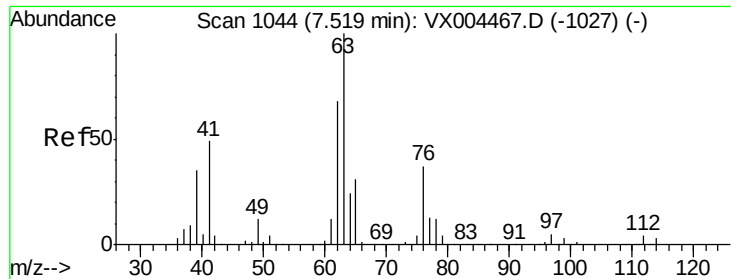
Delta R.T. 0.01 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tgt Ion:	130	Resp:	159064
Ion	Ratio	Lower	Upper
130	100		
95	82.9	0.0	181.6





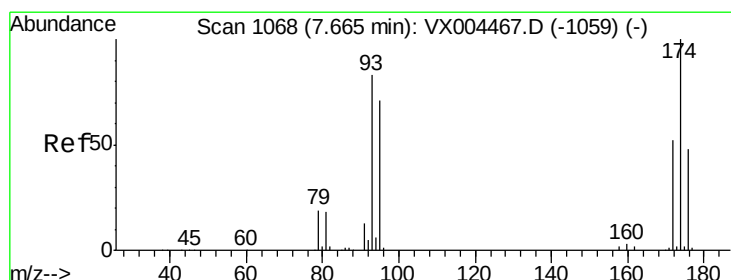
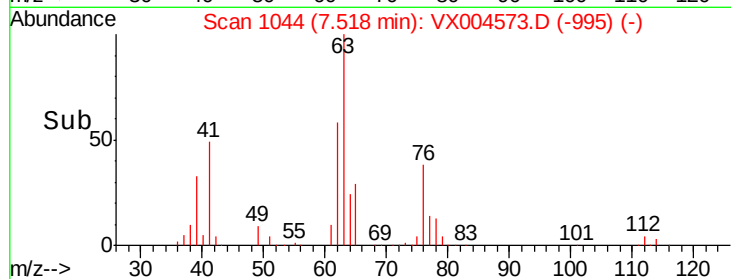
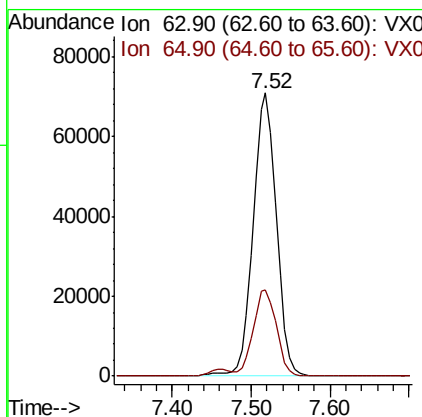
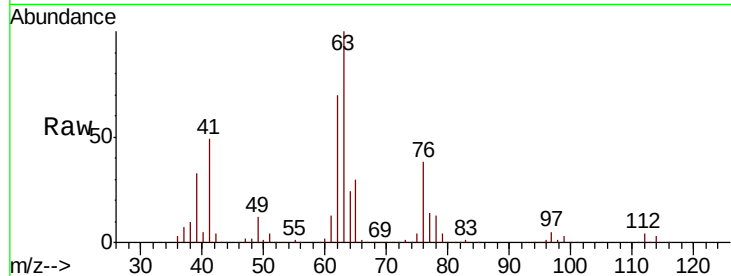
#45
 1,2-Dichloropropane
 Concen: 47.99 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0242MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.3	36.5

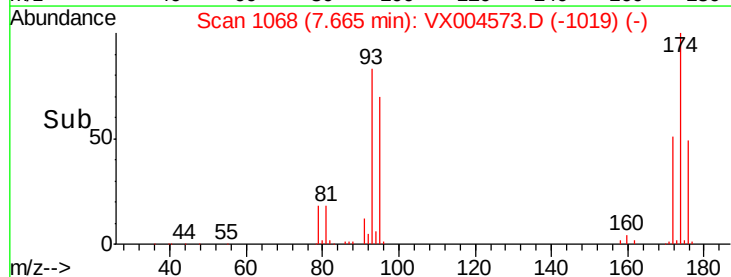
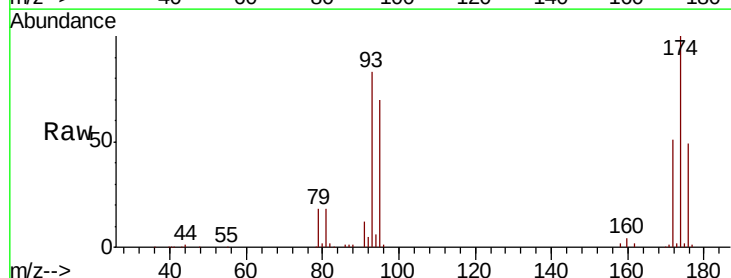
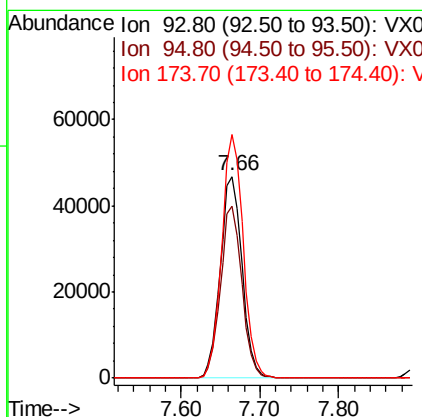
Manual Integrations
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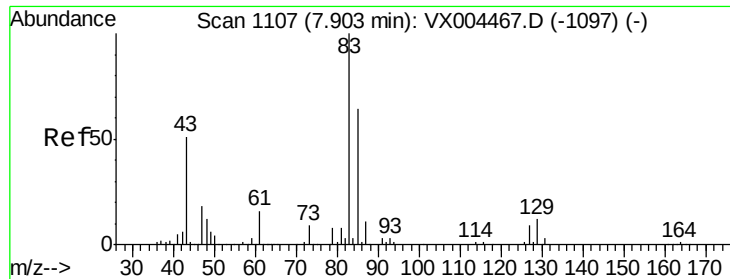
MMDadoda
 9/17/2018 5:09:32 PM



#46
 Dibromomethane
 Concen: 47.27 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.5	98.3
174	118.8	94.2	141.4





#47

Bromodichloromethane

Concen: 47.86 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

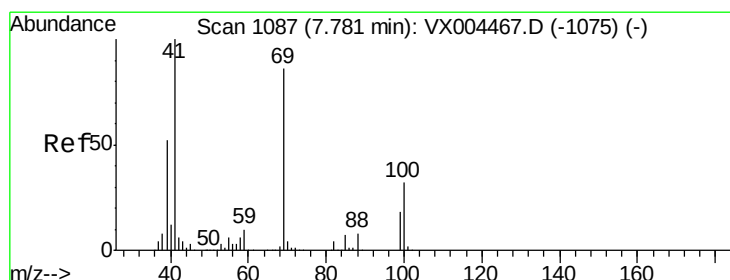
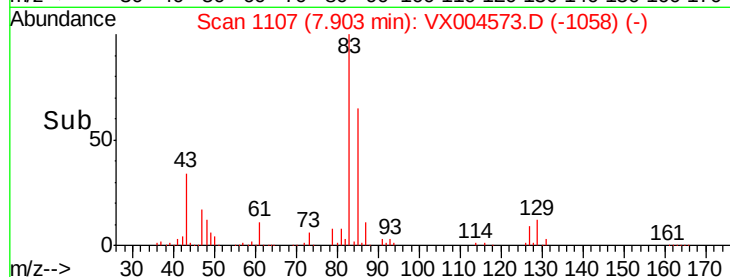
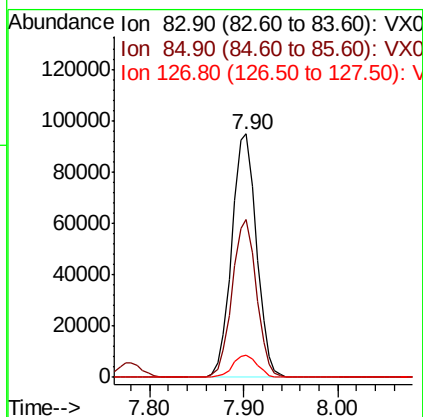
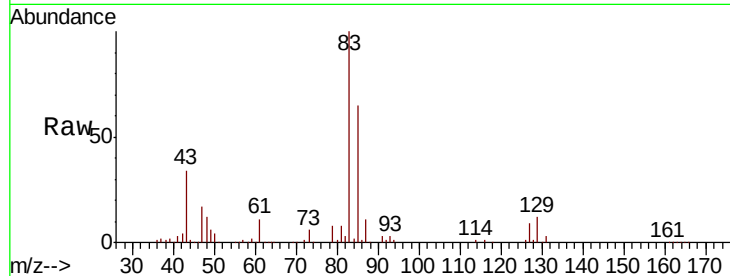
ClientSampleId :

S13-0242MS

Tot Ion:	83	Resp:	172895
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.9	76.3
127	9.4	7.3	10.9

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



#48

Methyl methacrylate

Concen: 47.70 ug/l

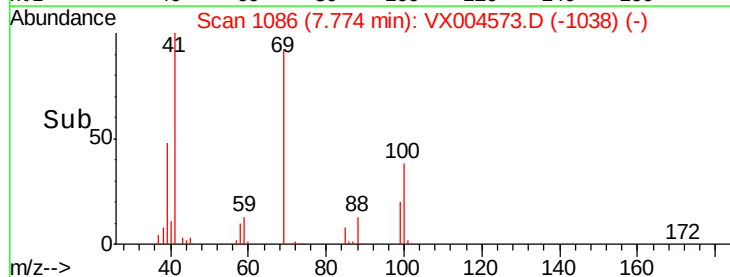
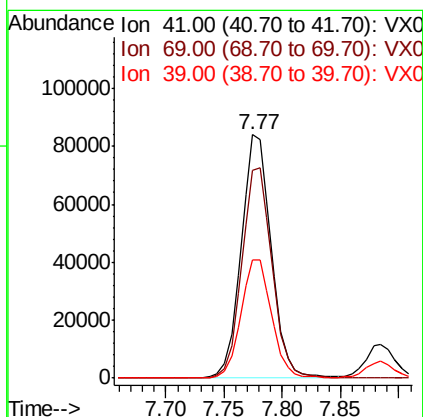
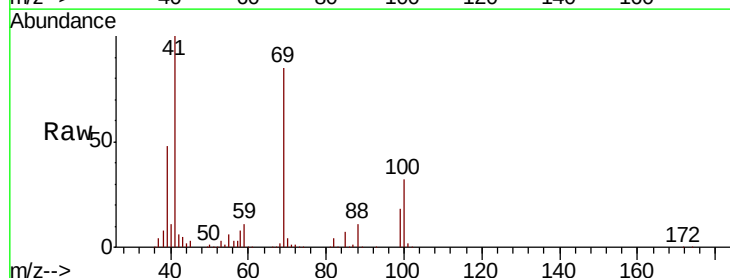
RT: 7.77 min Scan# 1086

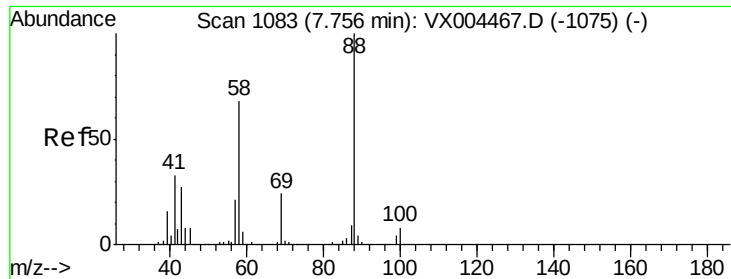
Delta R.T. -0.01 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tgt Ion:	41	Resp:	151046
Ion	Ratio	Lower	Upper
41	100		
69	87.6	70.2	105.4
39	49.9	42.7	64.1





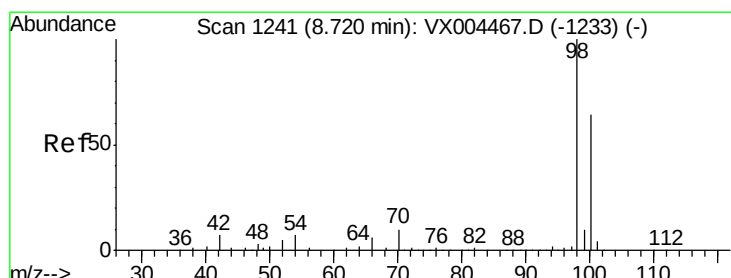
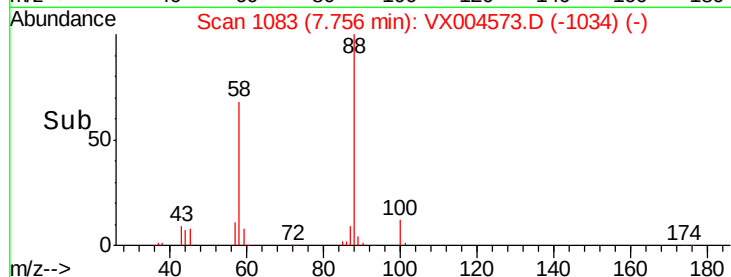
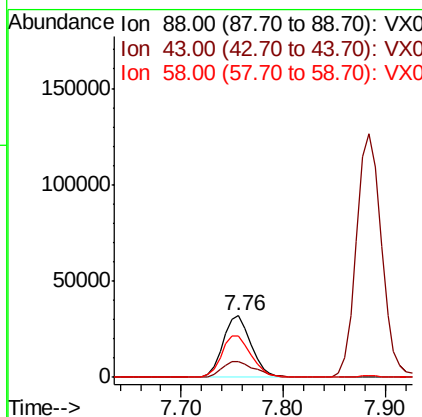
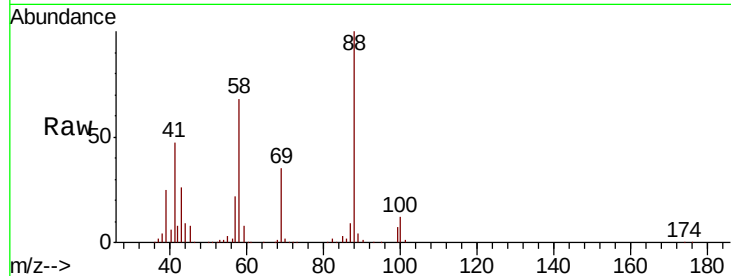
#49
1,4-Dioxane
Concen: 809.55 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MS

Tot Ion	88	Resp	60671
Ion	Ratio	Lower	Upper
88	100		
43	31.3	24.7	37.1
58	72.3	55.3	82.9

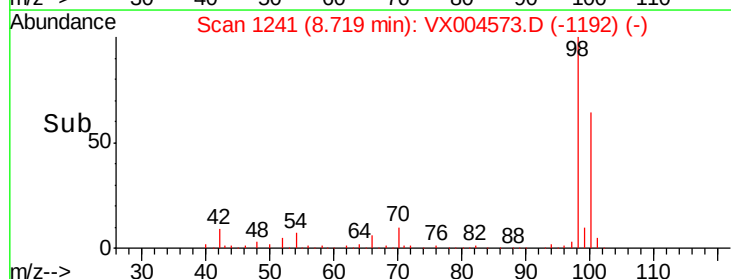
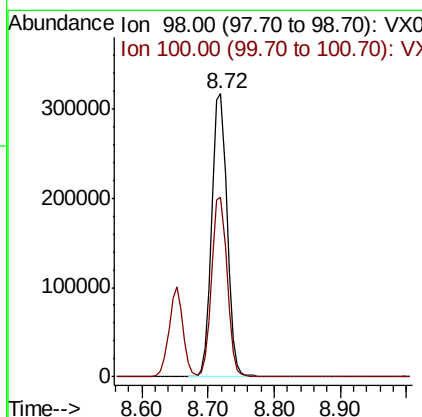
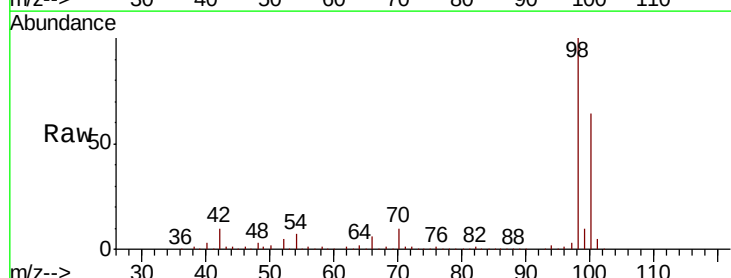
Manual Integrations
APPROVED

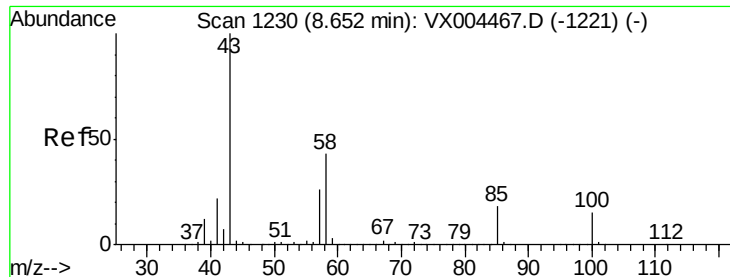
MMDadoda
9/17/2018 5:09:32 PM



#50
Toluene-d8
Concen: 47.42 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion	98	Resp	507633
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.9	79.3





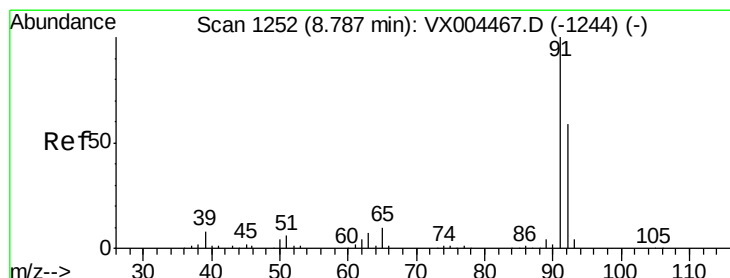
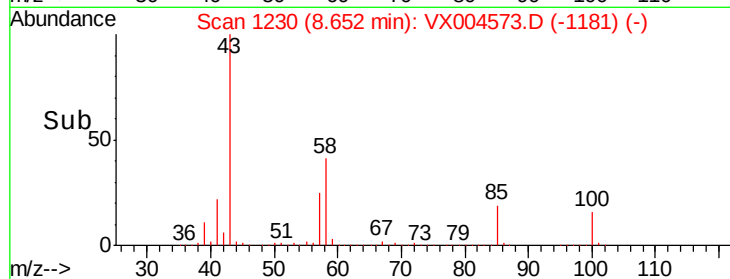
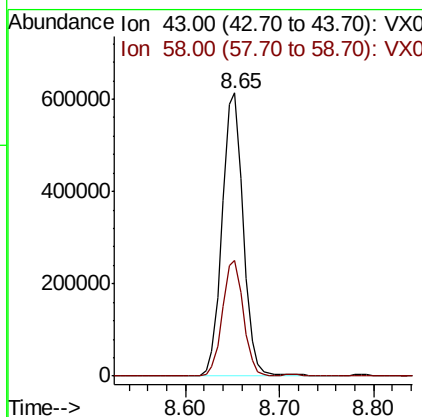
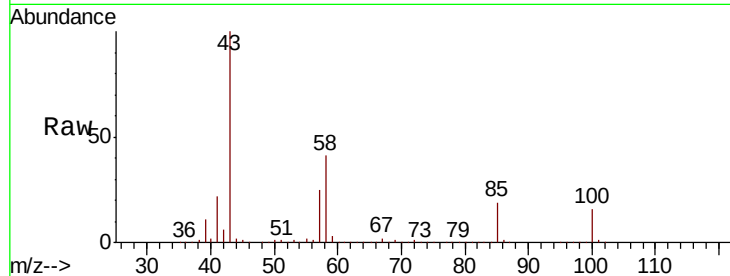
#51
4-Methyl-2-Pentanone
Concen: 211.11 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MS

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	40.5		33.1	49.7	

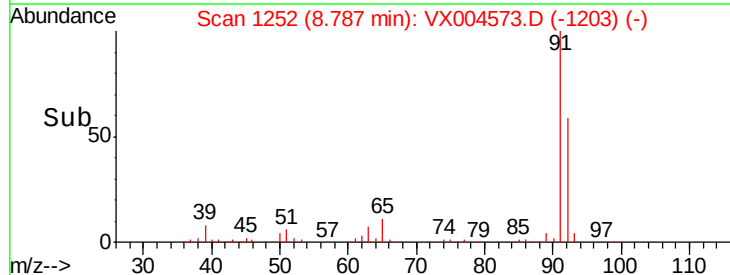
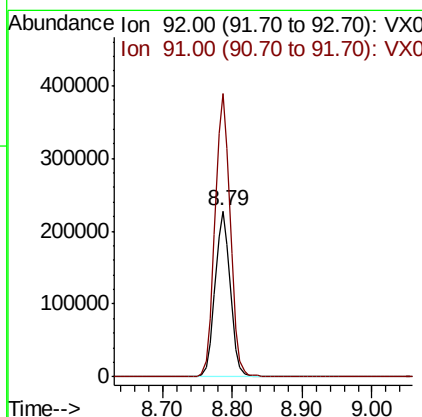
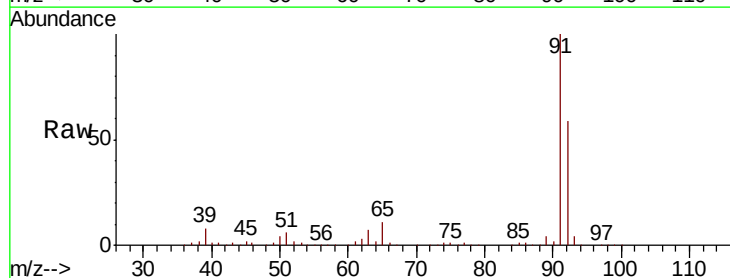
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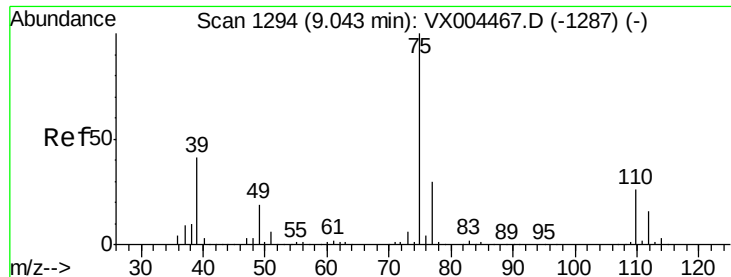
MMDadoda
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#52
Toluene
Concen: 46.32 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	172.6		136.4	204.6	





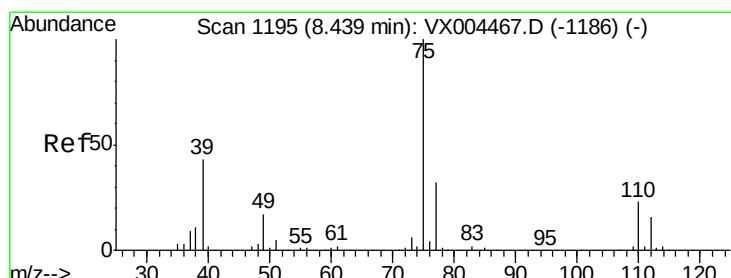
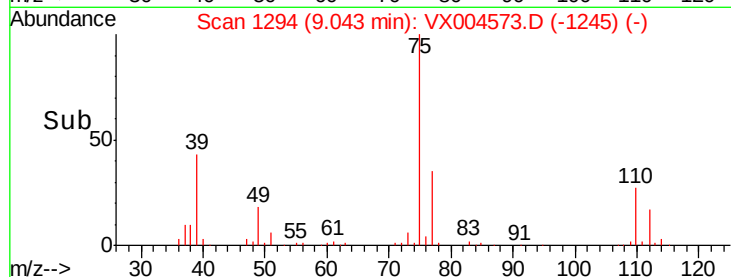
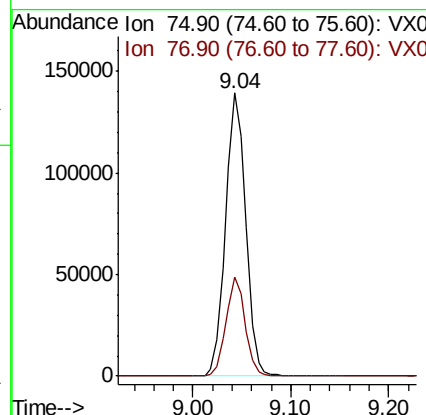
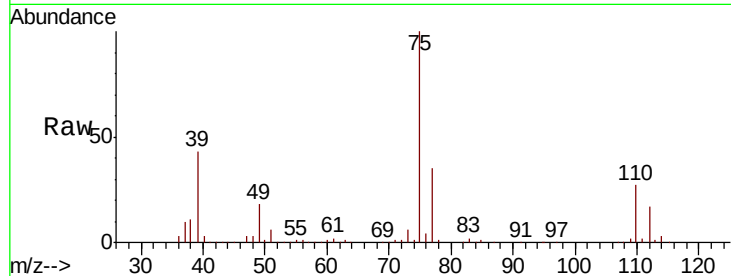
#53
 t-1,3-Dichloropropene
 Concen: 47.33 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.8	24.6	37.0

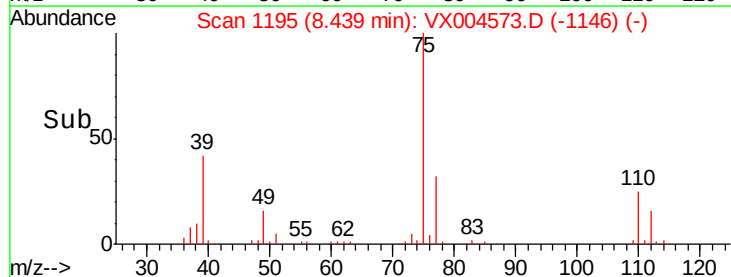
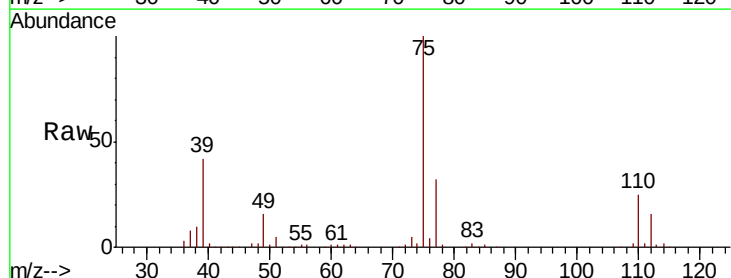
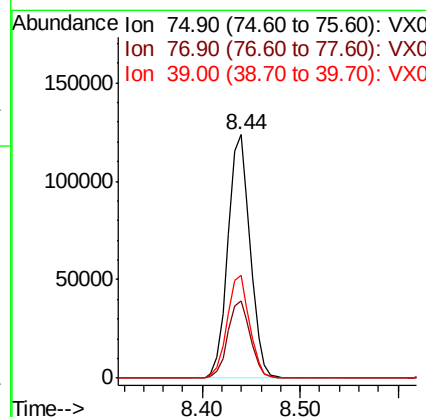
Manual Integrations
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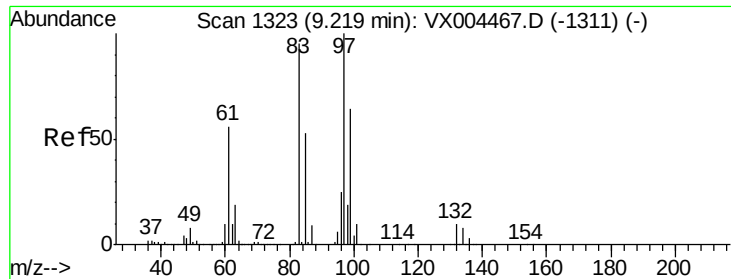
MMDadoda
 9/17/2018 5:09:32 PM



#54
 cis-1,3-Dichloropropene
 Concen: 45.34 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.2	39.2
39	42.4	36.4	54.6





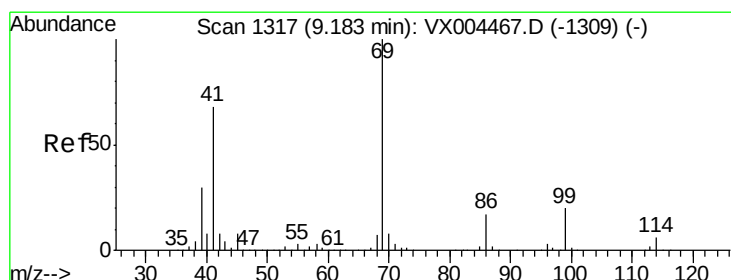
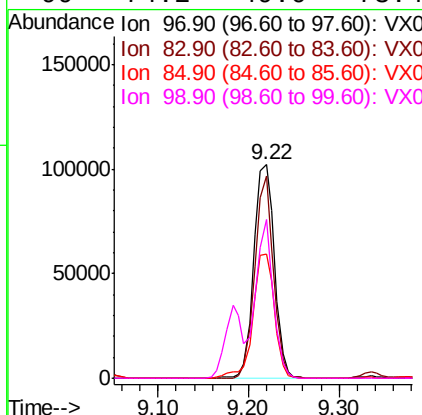
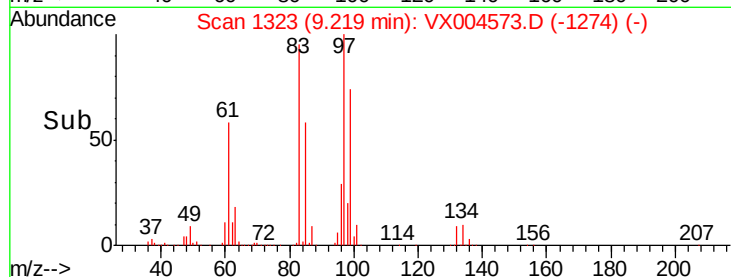
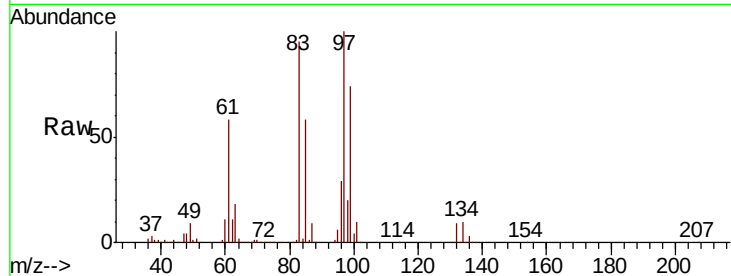
#55
 1,1,2-Trichloroethane
 Concen: 50.66 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MS

Tot Ion:	97	Resp:	161492
Ion Ratio	Lower	Upper	
97	100		
83	94.9	66.4	99.6
85	58.1	43.3	64.9
99	74.2	49.0	73.4#

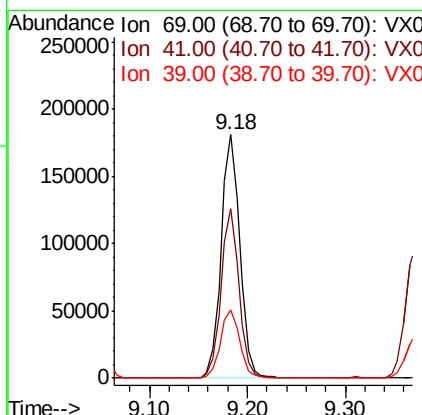
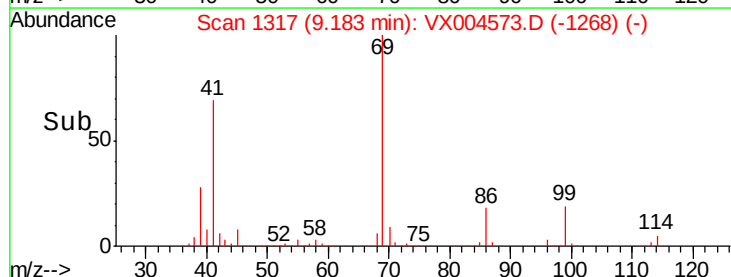
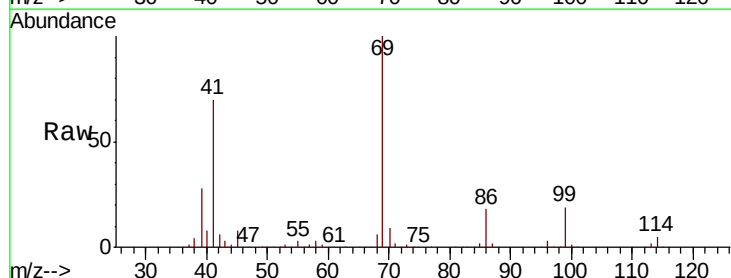
Manual Integrations
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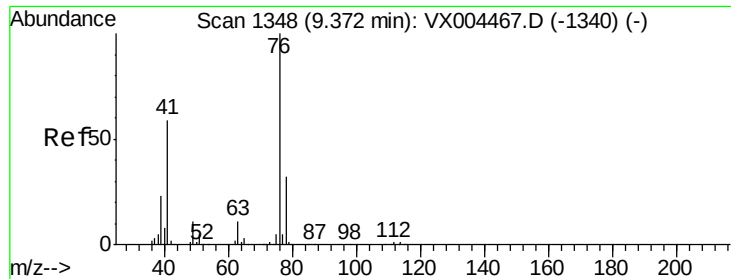
MMDadoda
 9/17/2018 5:09:32 PM



#56
 Ethyl methacrylate
 Concen: 53.56 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Tgt Ion:	69	Resp:	241575
Ion Ratio	Lower	Upper	
69	100		
41	66.4	51.0	76.4
39	28.7	26.1	39.1





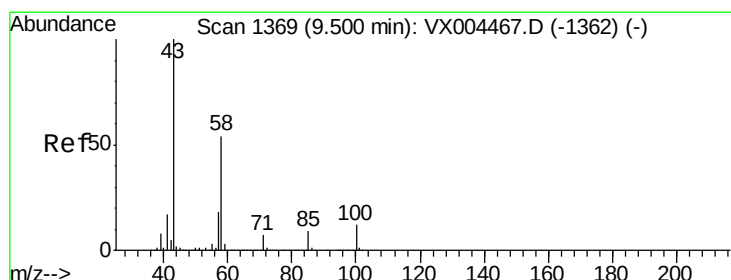
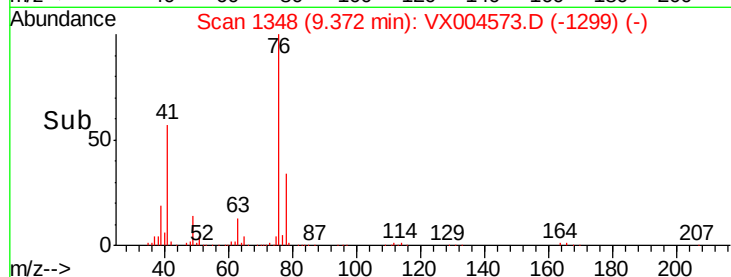
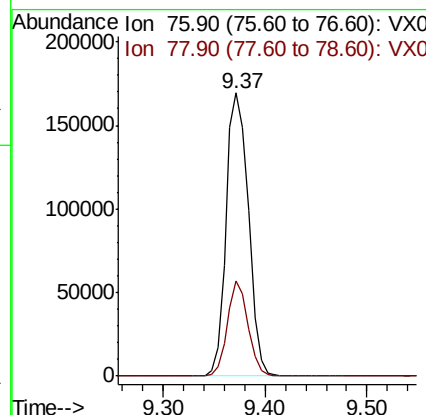
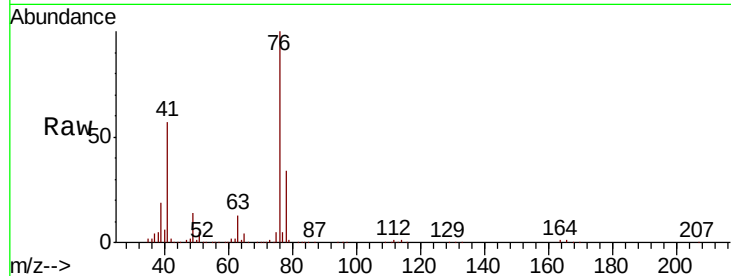
#57
 1,3-Dichloropropane
 Concen: 49.70 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.5	38.3

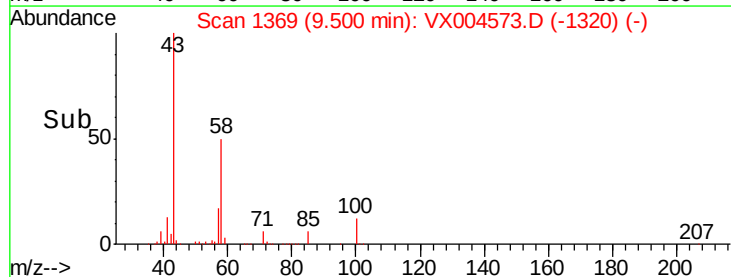
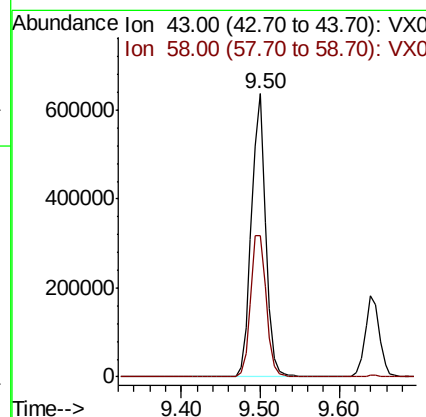
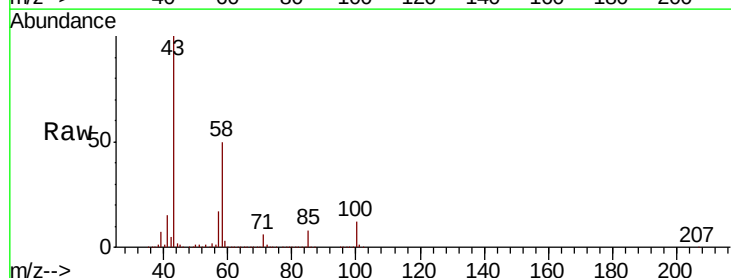
Manual Integrations
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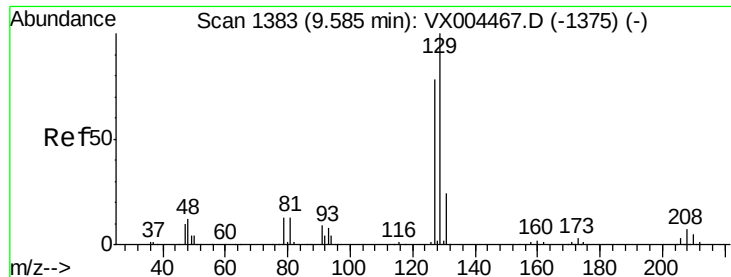
MMDadoda
 9/17/2018 5:09:32 PM



#59
 2-Hexanone
 Concen: 229.75 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.0	29.0	87.0





#60

Dibromochloromethane

Concen: 47.18 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

ClientSampled :

S13-0242MS

Tot Ion:129 Resp: 141615

Ion Ratio Lower Upper

129 100

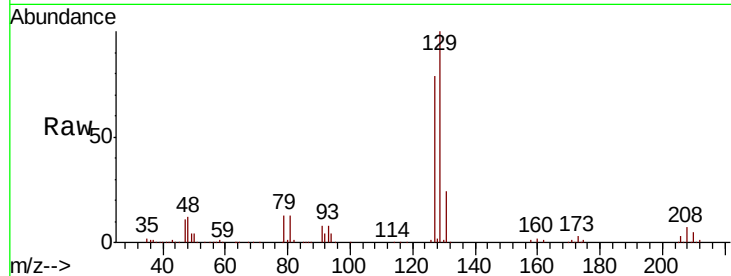
127 77.4 38.5 115.5

Manual Integrations

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9/17/2018 5:09:32 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

100000

80000

60000

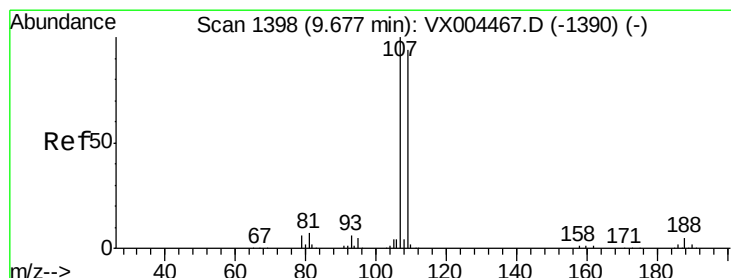
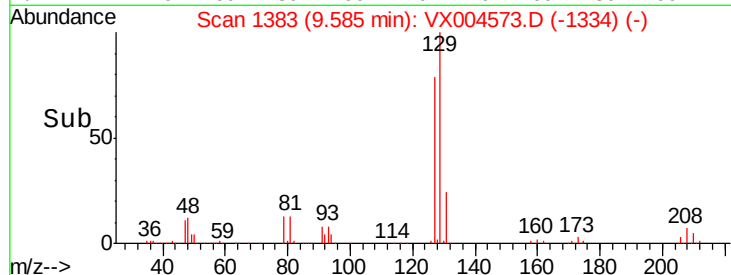
40000

20000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#61

1,2-Dibromoethane

Concen: 46.73 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004573.D

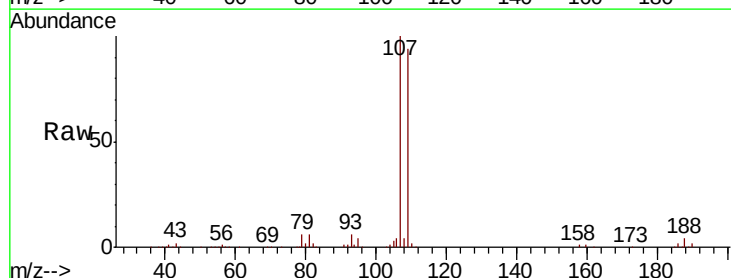
Acq: 15 Sep 2018 09:22

Tgt Ion:107 Resp: 142321

Ion Ratio Lower Upper

107 100

109 95.2 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

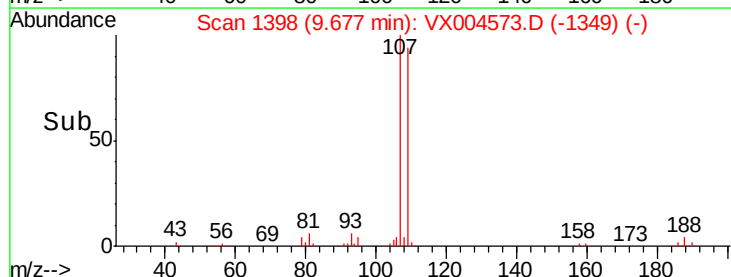
40000

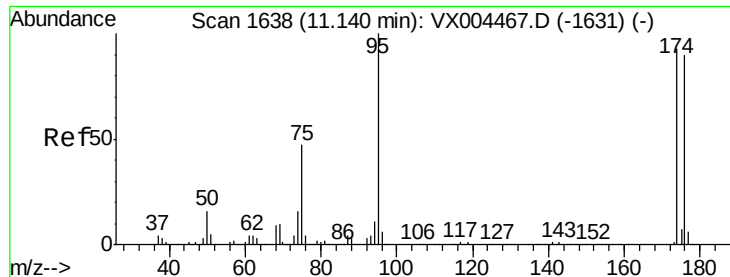
20000

0

9.60 9.70 9.80

Time-->





#62

4-Bromofluorobenzene

Concen: 48.17 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

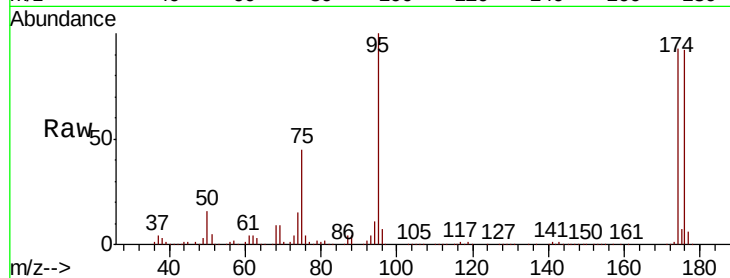
ClientSampleId :

S13-0242MS

Tot Ion:	95	Resp:	184076
Ion Ratio	Lower	Upper	
95	100		
174	91.7	0.0	185.2
176	89.5	0.0	178.6

Manual Integrations
APPROVED

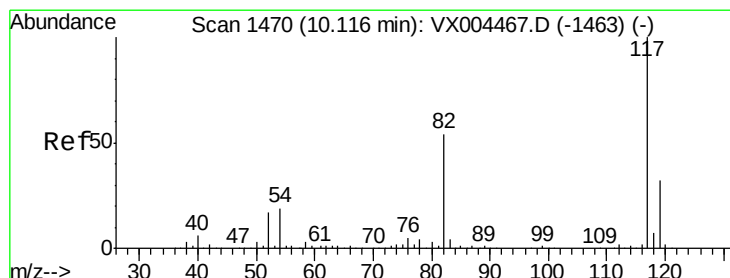
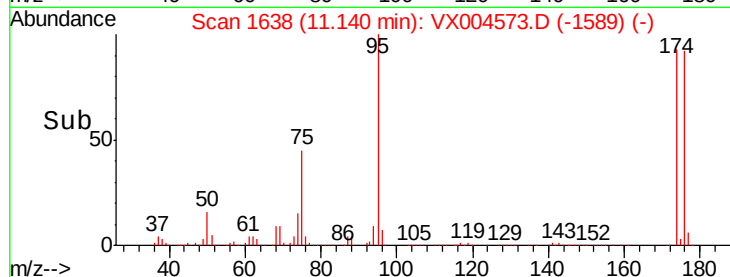
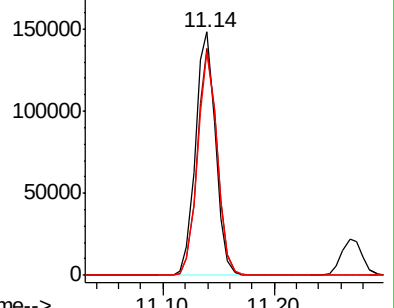
MMDadoda
9/17/2018 5:09:32 PM



Abundance Ion 94.90 (94.60 to 95.60): VX004467.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004467.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004467.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

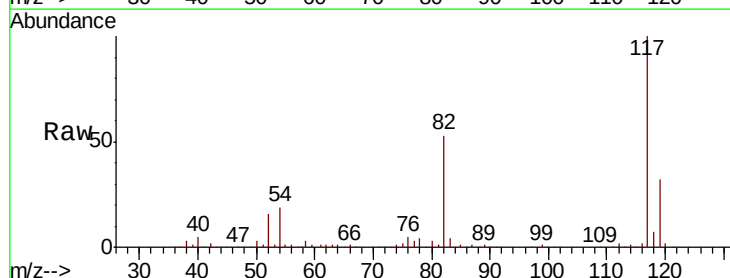
RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

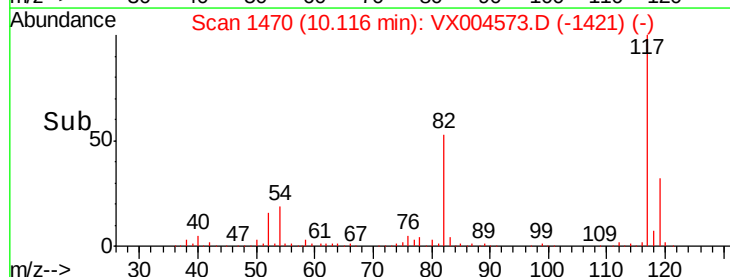
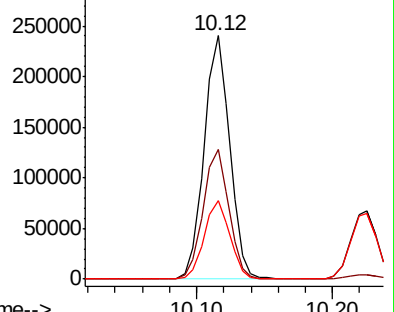
Tgt Ion:	117	Resp:	314575
Ion Ratio	Lower	Upper	
117	100		
82	53.2	47.8	71.6
119	32.4	29.3	43.9

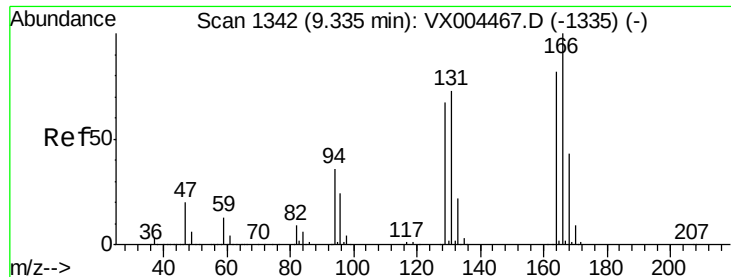


Abundance Ion 116.90 (116.60 to 117.60): VX004467.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004467.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004467.D (-1463) (-)





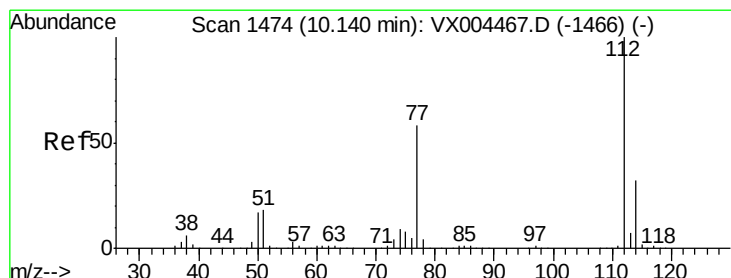
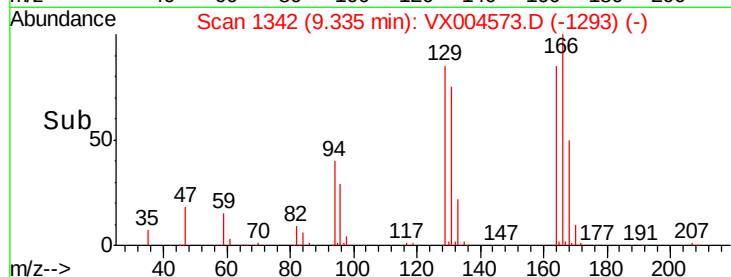
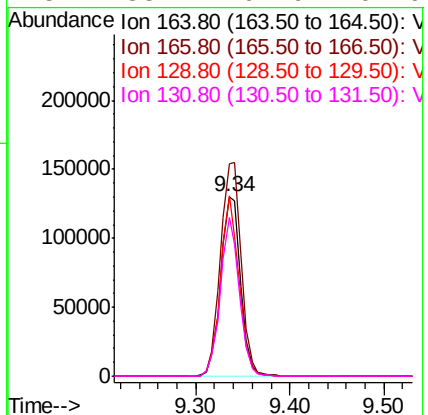
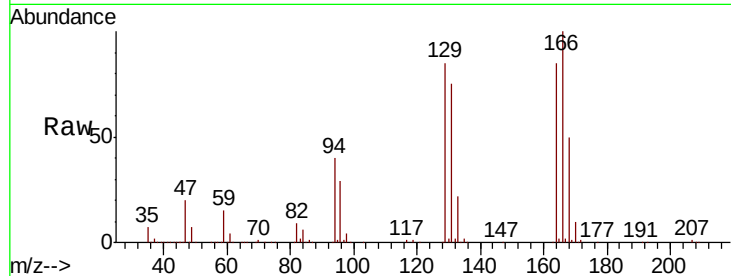
#64
Tetrachloroethene
Concen: 48.62 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	118.0	102.8	154.2
129	100.2	69.4	104.0
131	88.2	67.9	101.9

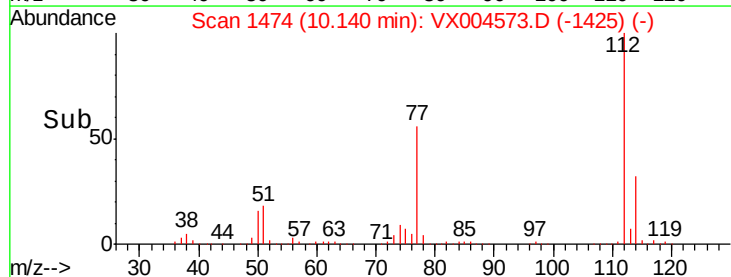
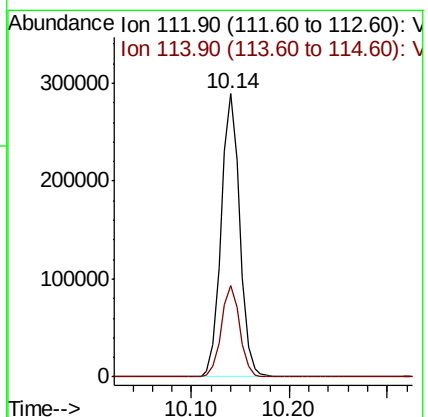
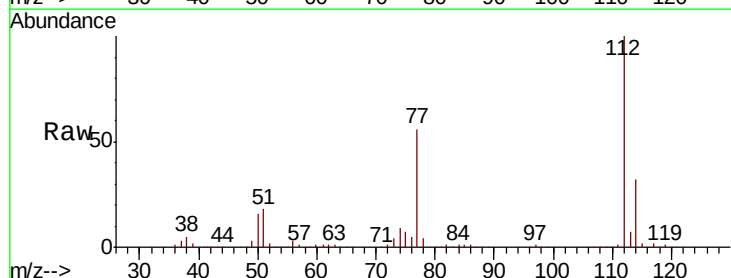
Manual Integrations
APPROVED

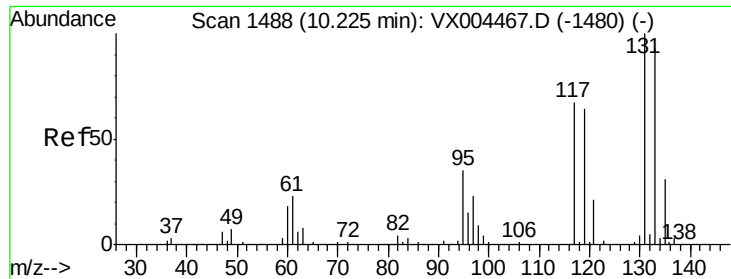
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#65
Chlorobenzene
Concen: 48.75 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	27.8	41.8





#66

1,1,1,2-Tetrachloroethane

Concen: 50.58 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

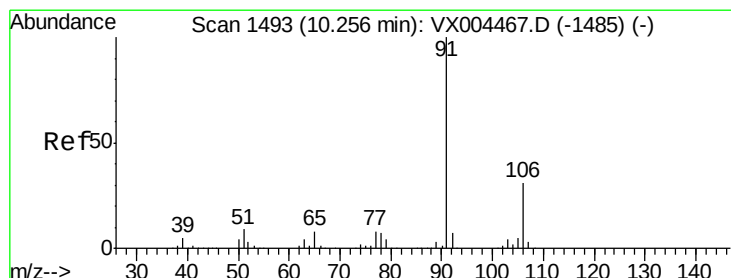
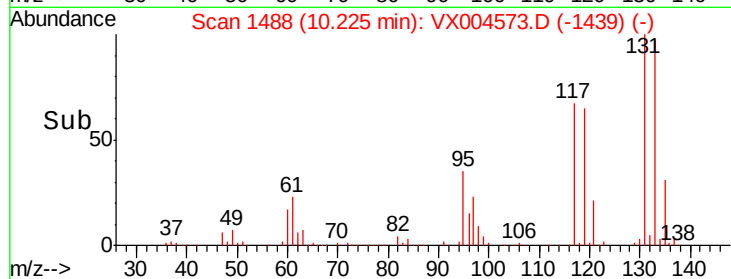
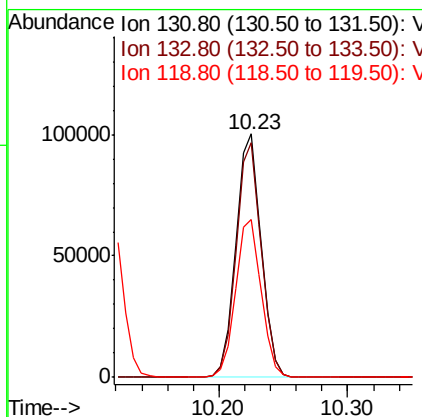
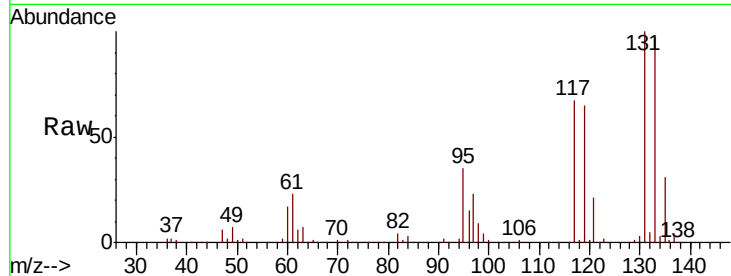
ClientSampled :

S13-0242MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.1	144.4
119	65.7	32.9	98.6

Manual Integrations
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#67

Ethyl Benzene

Concen: 50.86 ug/l

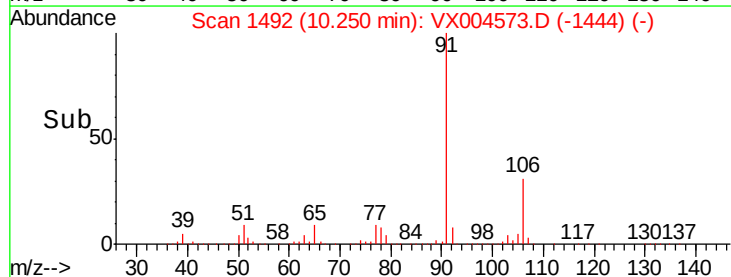
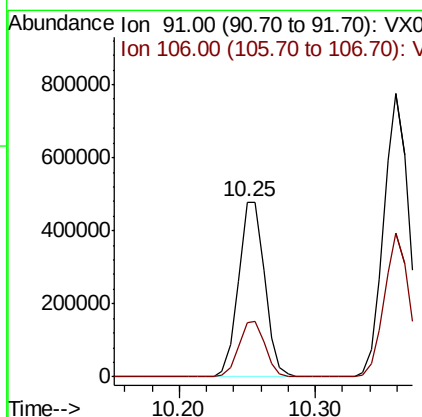
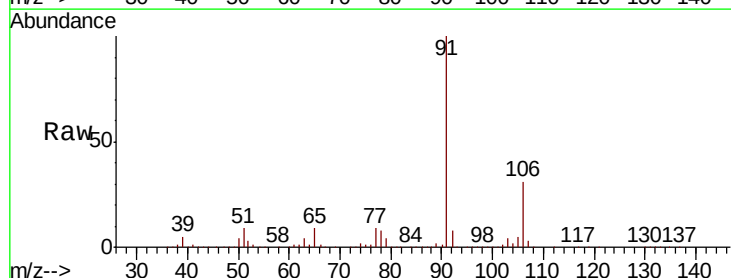
RT: 10.25 min Scan# 1492

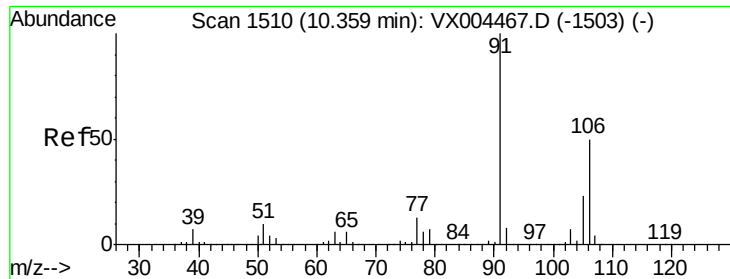
Delta R.T. -0.01 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.9	38.9





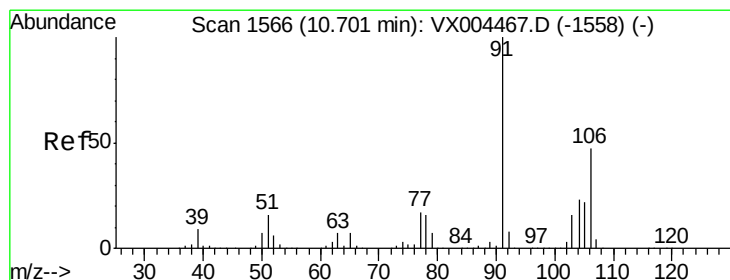
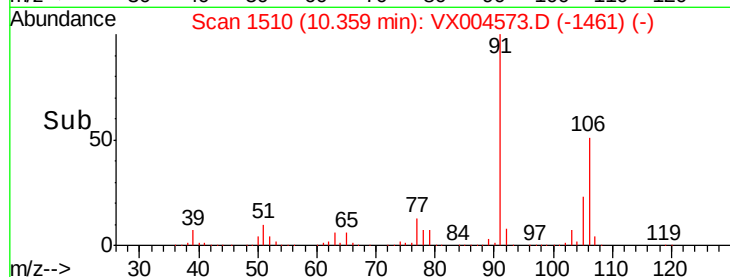
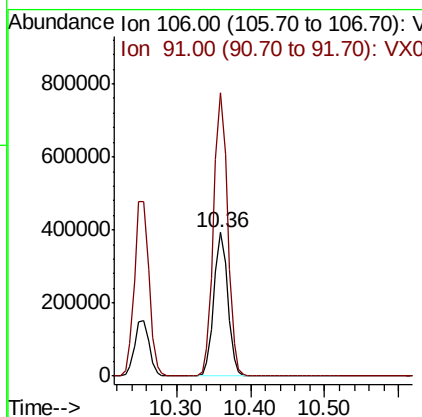
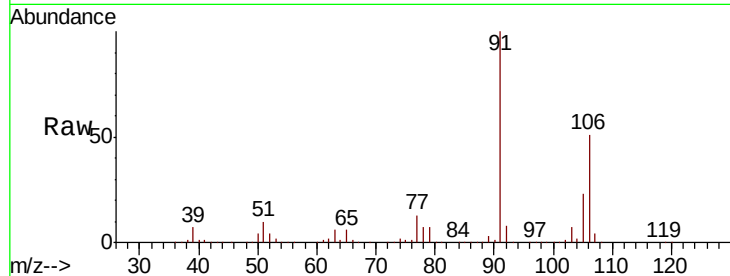
#68
m/p-Xylenes
Concen: 102.95 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampled :
S13-0242MS

Tot Ion:106 Resp: 503877
Ion Ratio Lower Upper
106 100
91 199.7 157.1 235.7

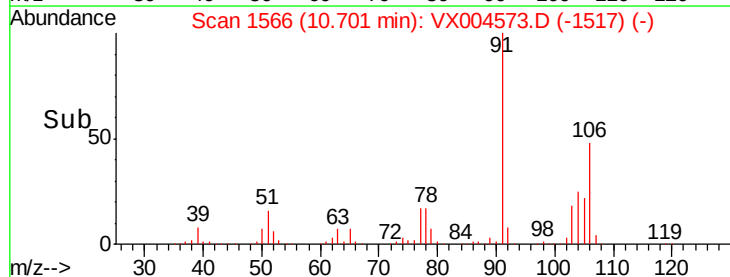
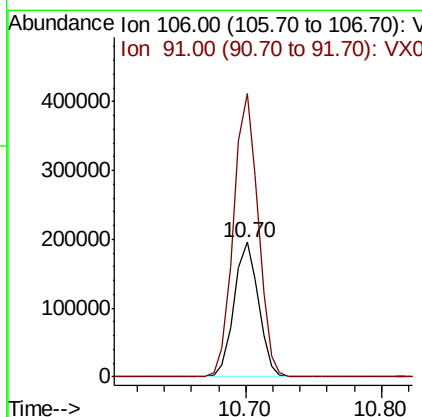
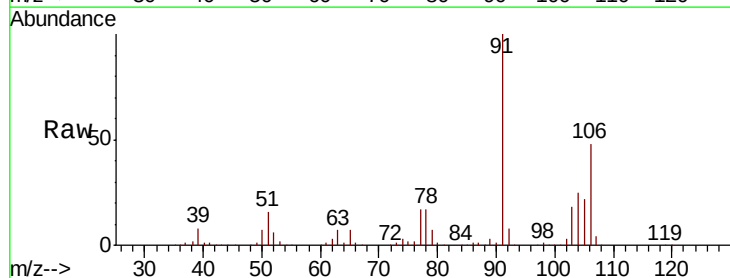
Manual Integrations
APPROVED

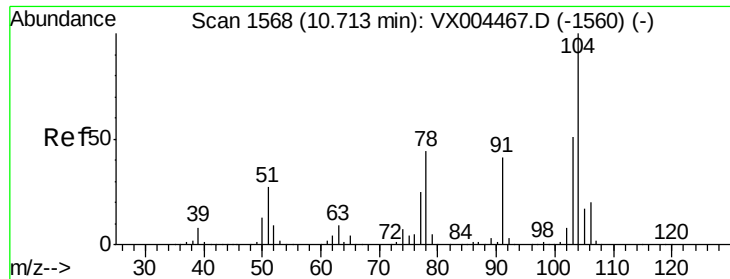
MMDadoda
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#69
o-Xylene
Concen: 52.22 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion:106 Resp: 245687
Ion Ratio Lower Upper
106 100
91 211.6 105.1 315.1





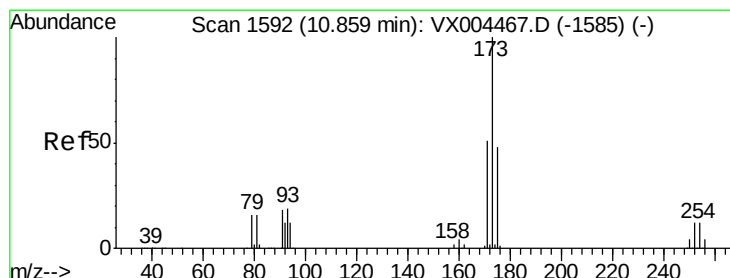
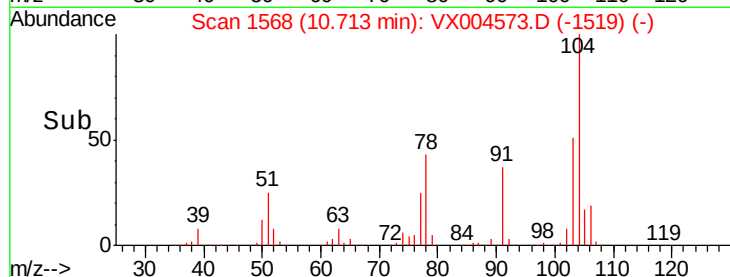
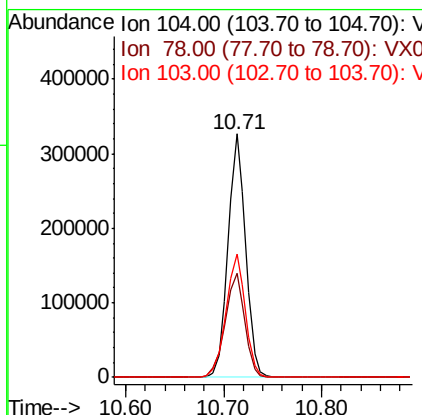
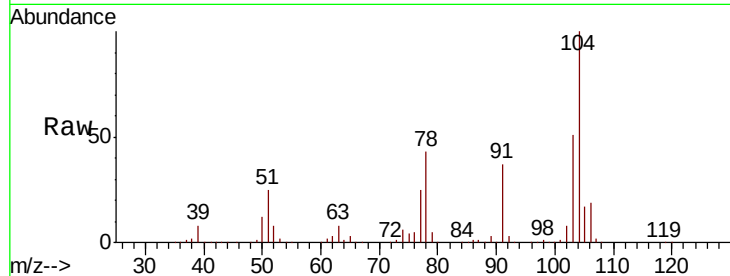
#70
Stvrene
Concen: 52.29 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampled :
S13-0242MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	37.4	56.0
103	55.7	43.8	65.6

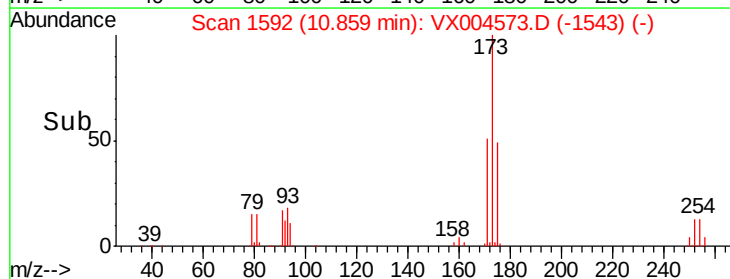
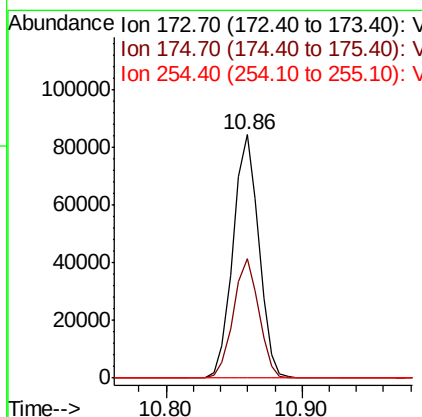
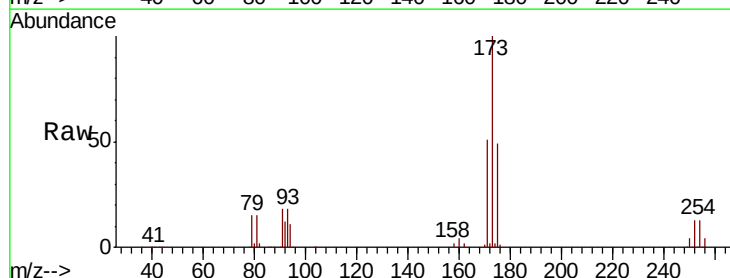
Manual Integrations
APPROVED

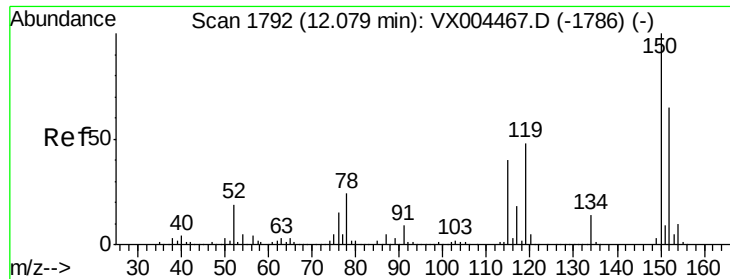
MMDadoda
9/17/2018 5:09:32 PM



#71
Bromoform
Concen: 50.33 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.2	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: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MS

Tot Ion:152 Resp: 204343

Ion Ratio Lower Upper

152 100

115 77.5 39.0 117.0

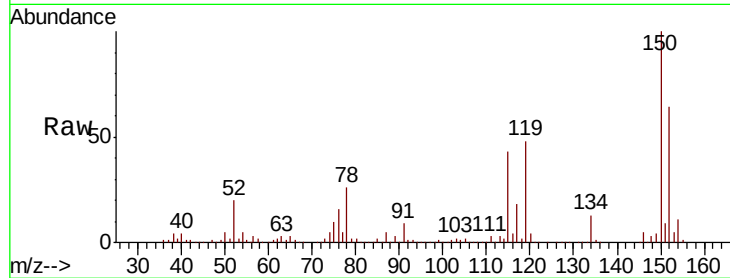
150 166.8 0.0 351.0

Manual Integrations

APPROVED

MMDadoda

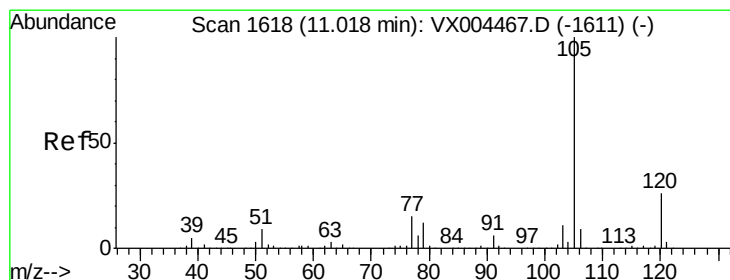
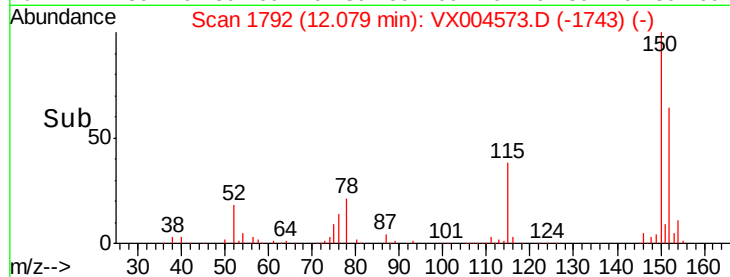
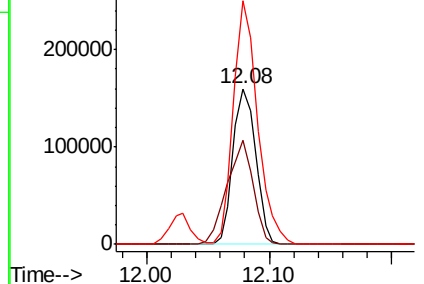
9/17/2018 5:09:32 PM



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: 48.66 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004573.D

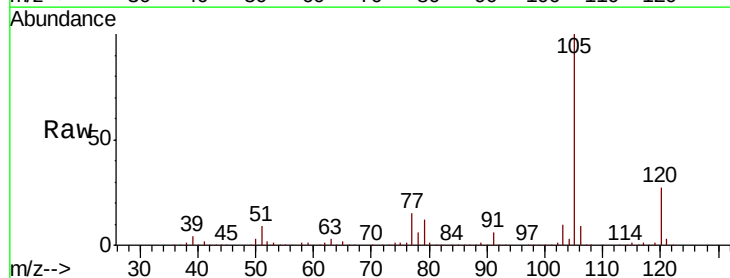
Acq: 15 Sep 2018 09:22

Tgt Ion:105 Resp: 654792

Ion Ratio Lower Upper

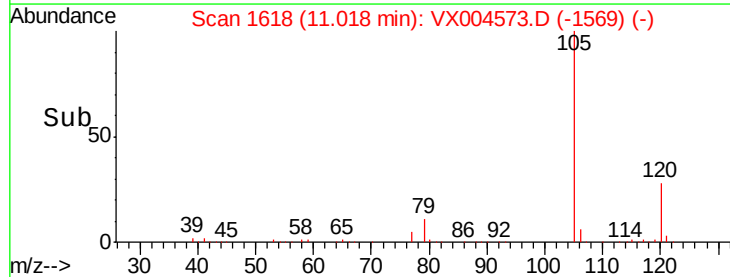
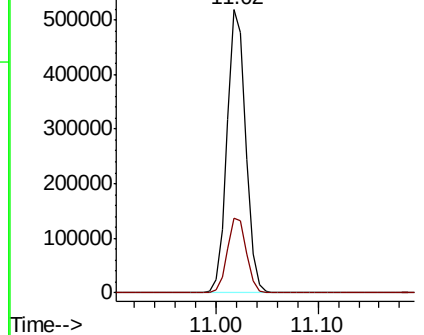
105 100

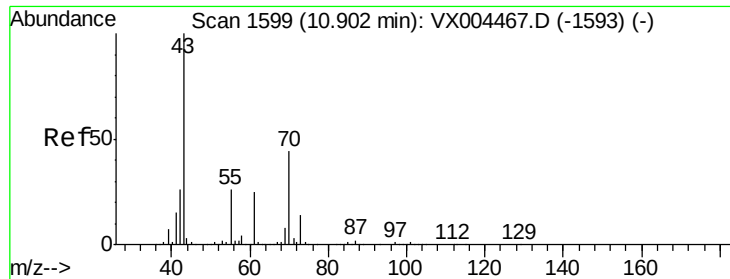
120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 41.12 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

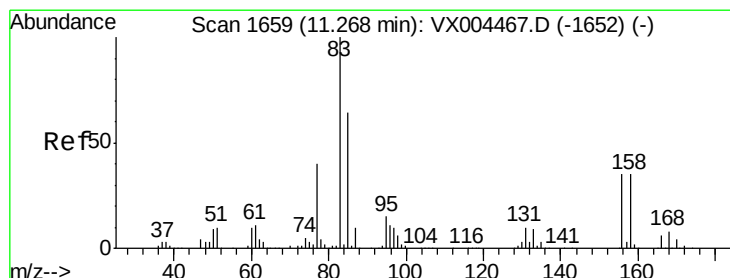
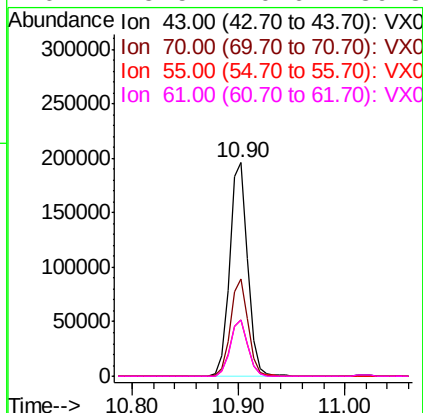
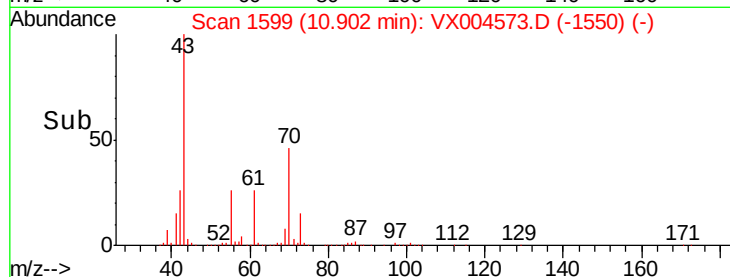
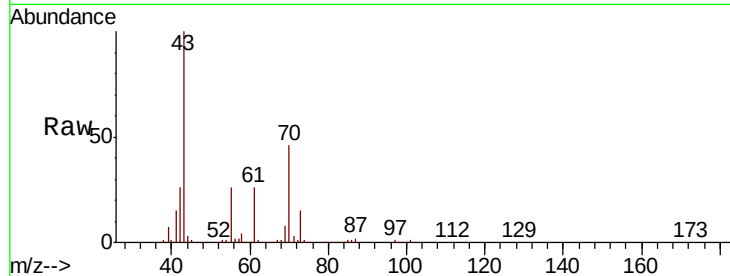
ClientSampleId :

S13-0242MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		232926		
70	44.6	37.4	56.0		
55	26.1	21.8	32.8		
61	25.5	20.6	30.8		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 45.48 ug/l

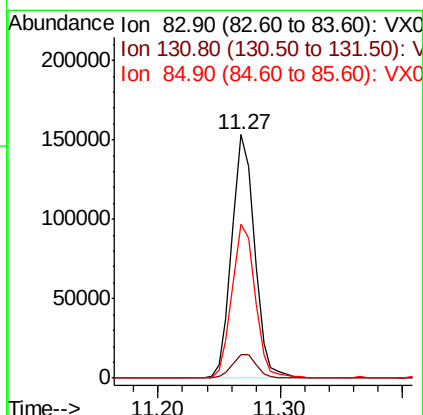
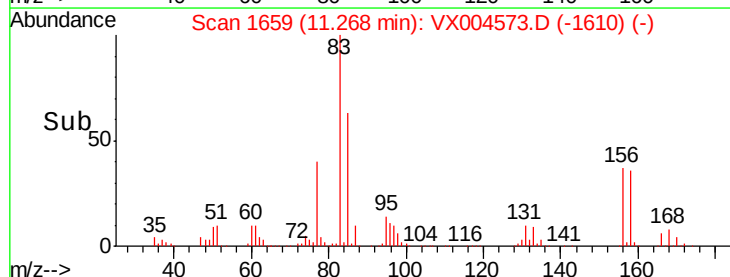
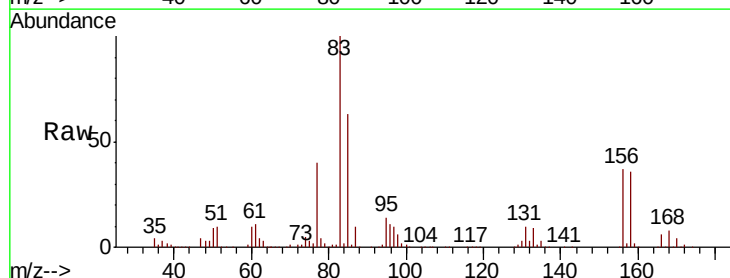
RT: 11.27 min Scan# 1659

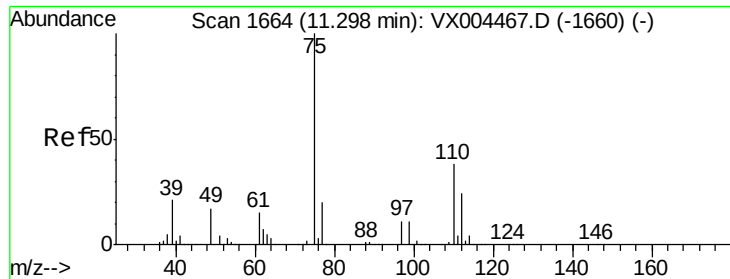
Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		197409		
131	10.3	5.2	15.6		
85	64.3	32.3	96.8		





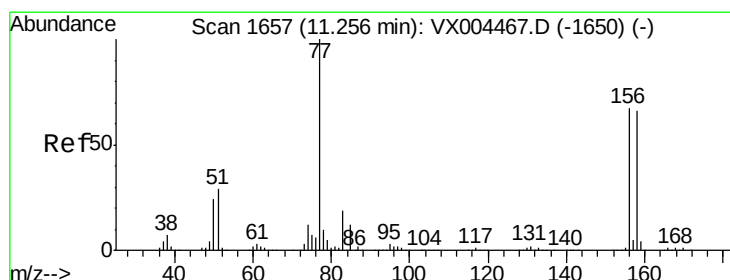
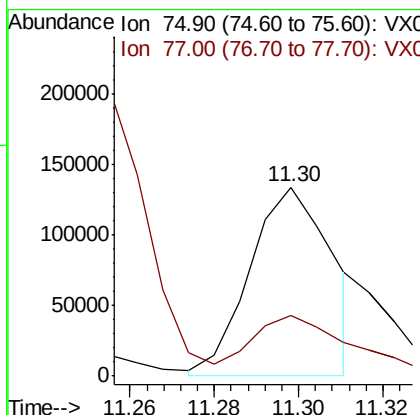
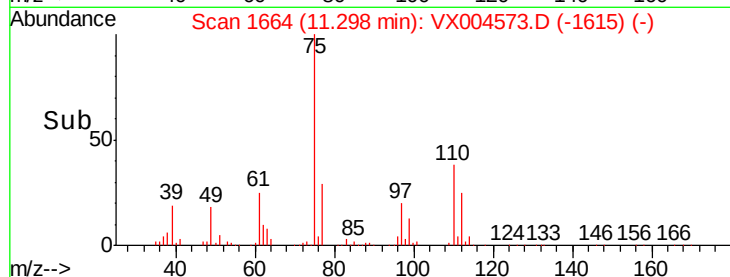
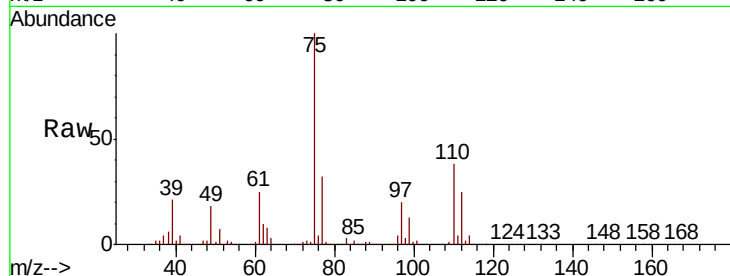
#76
 1,2,3-Trichloropropane
 Concen: 43.93 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MS

Tot Ion: 75 Resp: 180614
 Ion Ratio Lower Upper
 75 100
 77 39.5 20.2 60.6

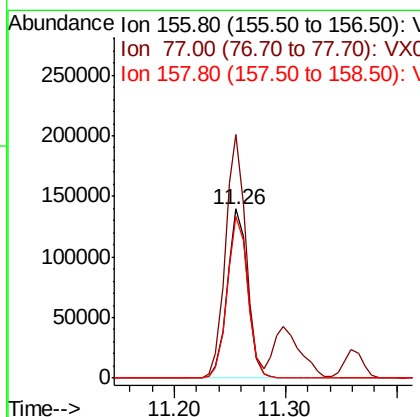
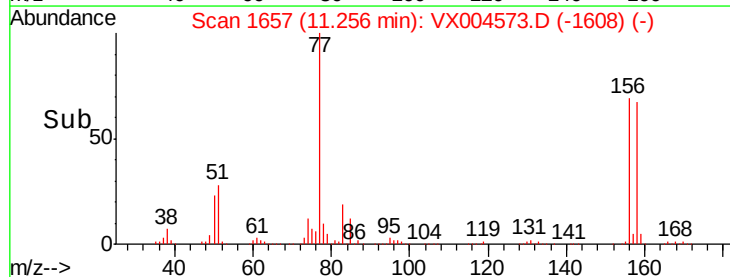
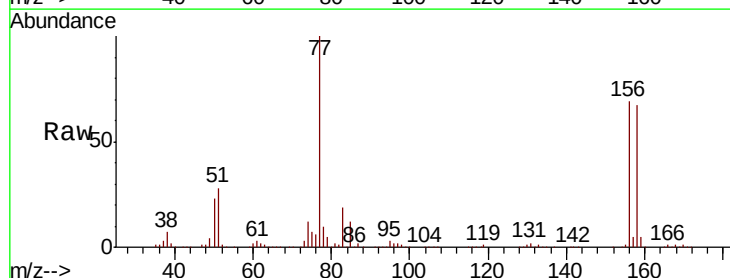
Manual Integrations
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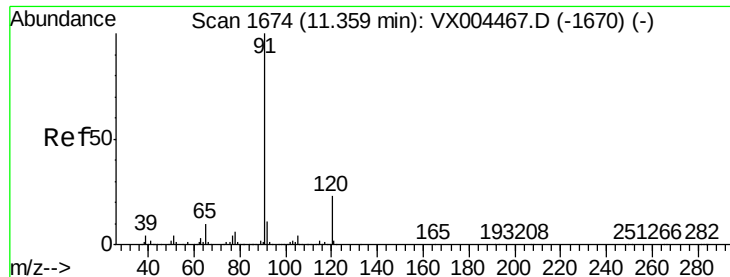
MMDadoda
 9/17/2018 5:09:32 PM



#77
 Bromobenzene
 Concen: 47.11 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Tgt Ion: 156 Resp: 175227
 Ion Ratio Lower Upper
 156 100
 77 144.1 71.5 214.3
 158 96.9 48.9 146.8





#78

n-propylbenzene

Concen: 47.75 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

ClientSampleId :

S13-0242MS

Tot Ion: 91 Resp: 738942

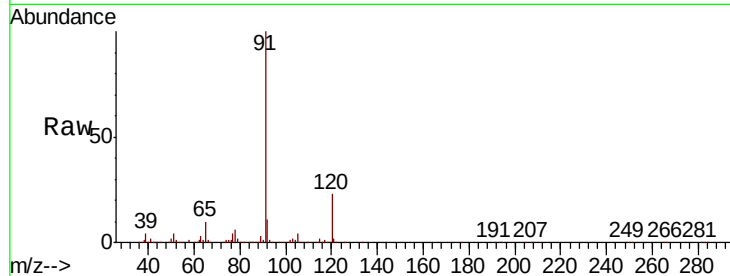
Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.9

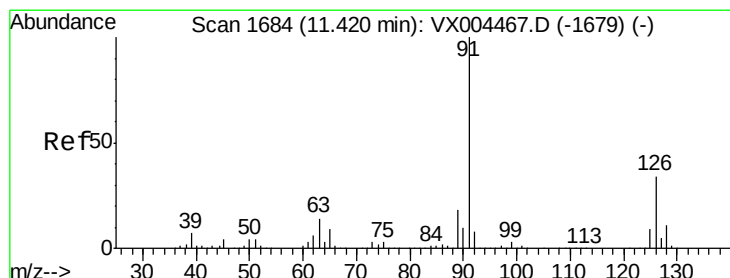
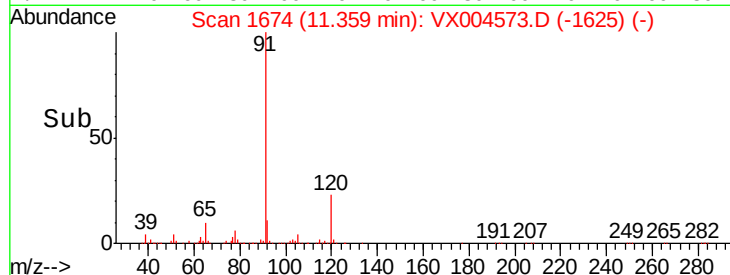
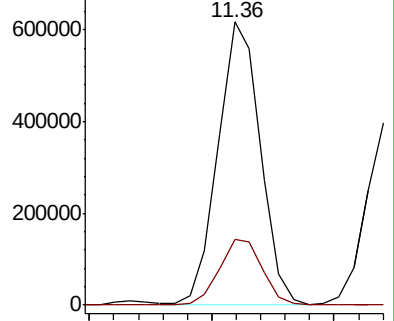
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 51.77 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004573.D

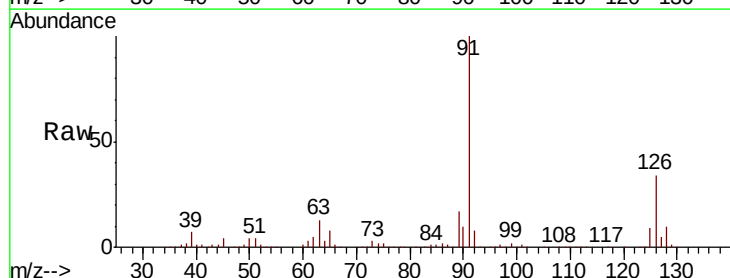
Acq: 15 Sep 2018 09:22

Tgt Ion: 91 Resp: 485847

Ion Ratio Lower Upper

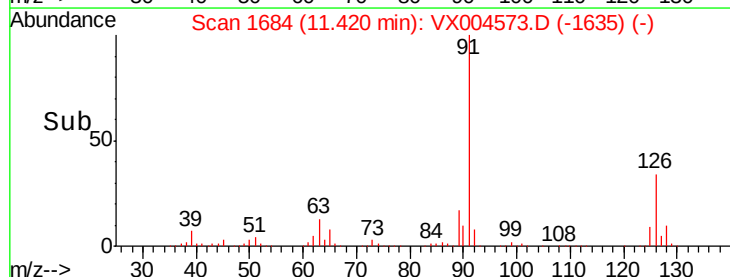
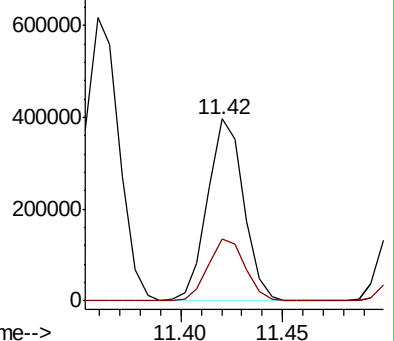
91 100

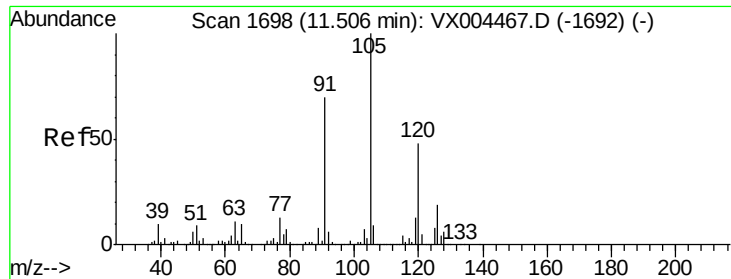
126 35.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





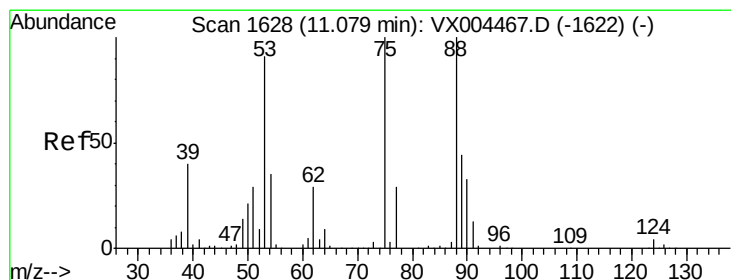
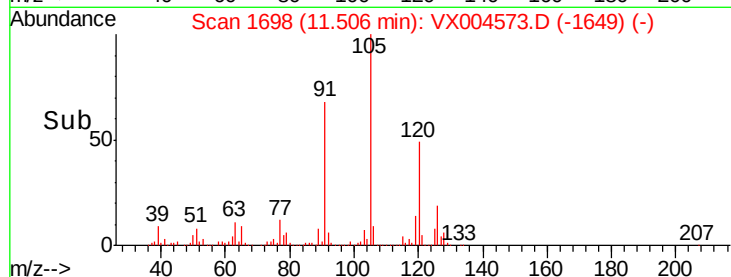
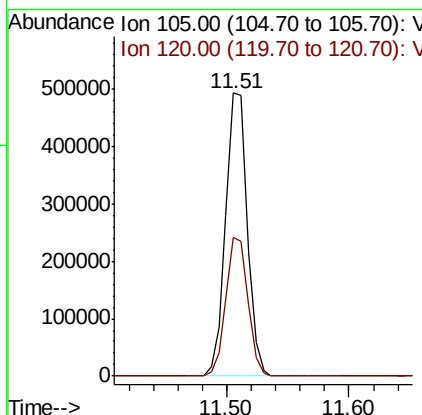
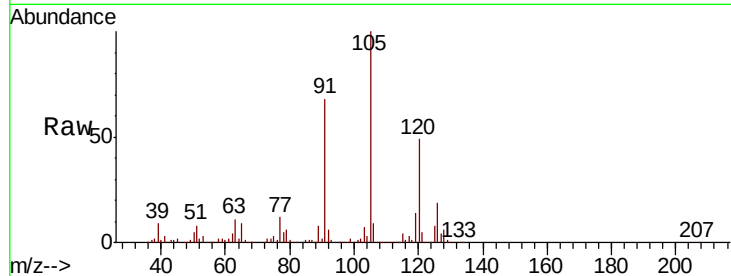
#80
 1,3,5-Trimethylbenzene
 Concen: 53.39 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0242MS

Tot Ion:105 Resp: 604029
 Ion Ratio Lower Upper
 105 100
 120 49.6 25.6 76.8

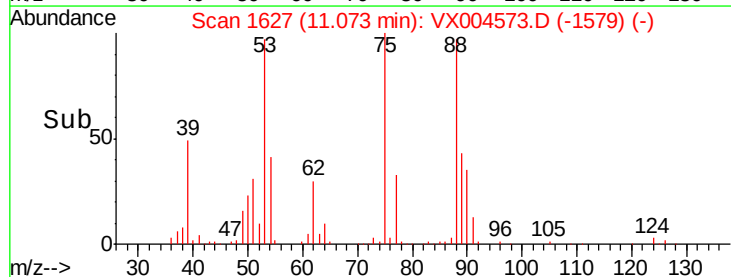
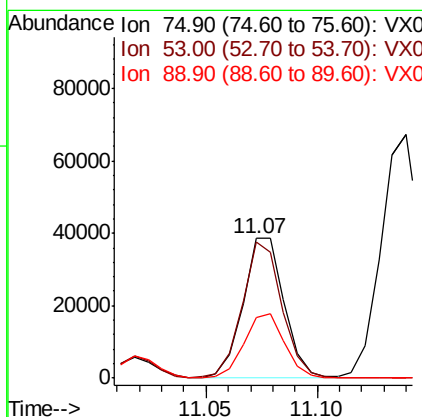
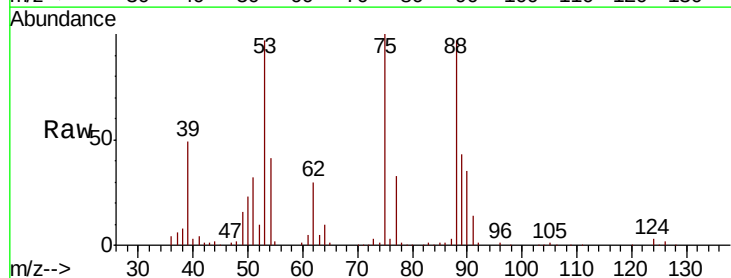
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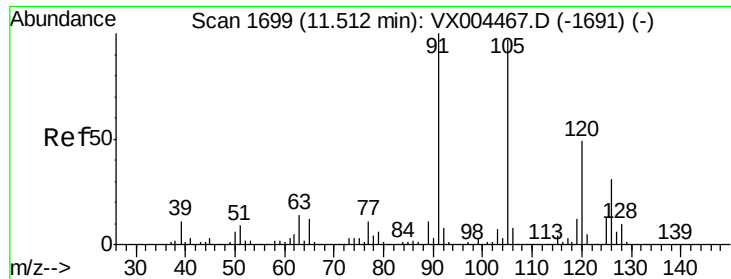
MMDadoda
 9/17/2018 5:09:32 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 38.31 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Tgt Ion: 75 Resp: 49410
 Ion Ratio Lower Upper
 75 100
 53 94.3 80.1 120.1
 89 45.6 37.2 55.8





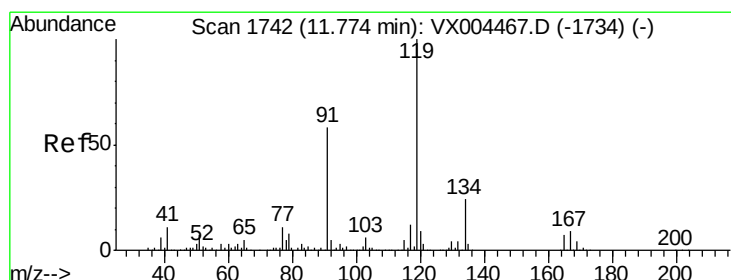
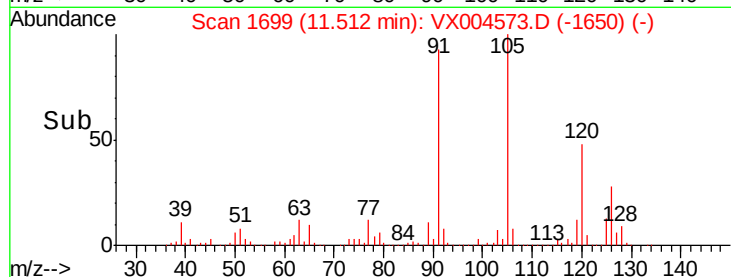
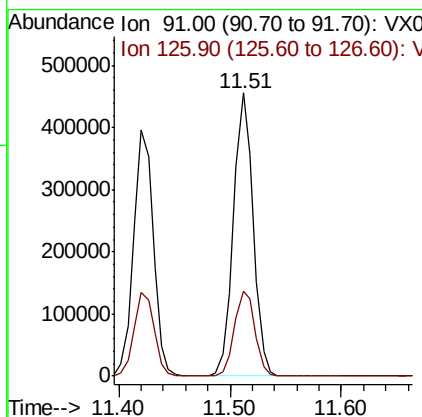
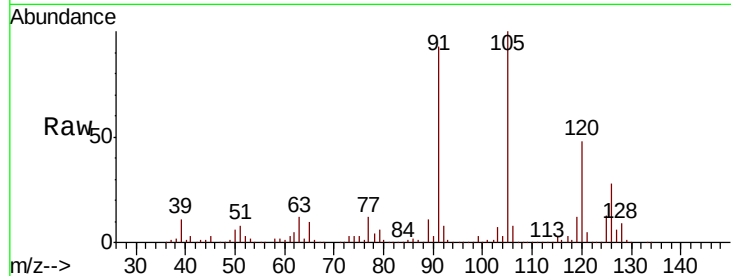
#82
4-Chlorotoluene
Concen: 51.01 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampled :
S13-0242MS

Tot Ion: 91 Resp: 558753
Ion Ratio Lower Upper
91 100
126 31.3 15.5 46.5

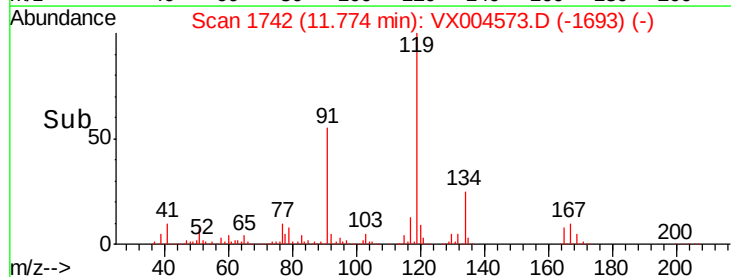
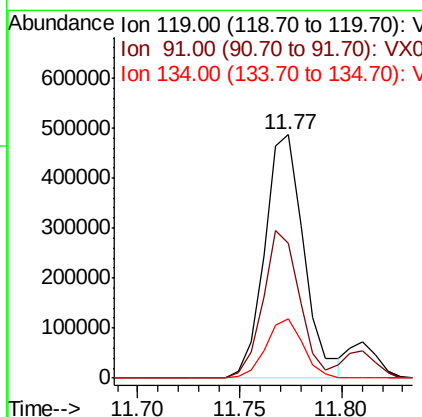
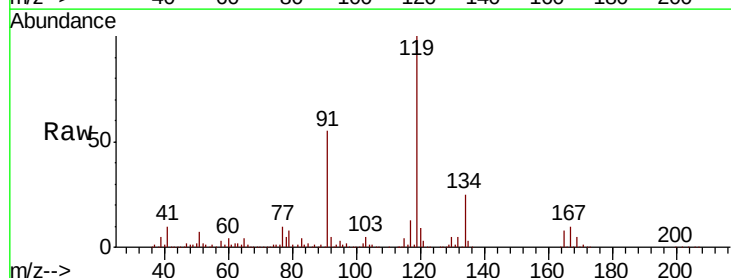
Manual Integrations
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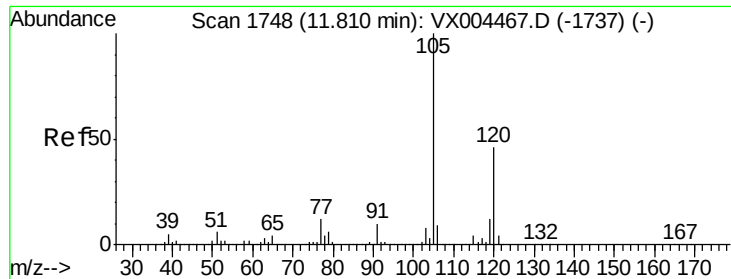
MMDadoda
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#83
tert-Butylbenzene
Concen: 60.67 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion: 119 Resp: 653411
Ion Ratio Lower Upper
119 100
91 56.0 27.0 81.0
134 22.9 11.7 35.1





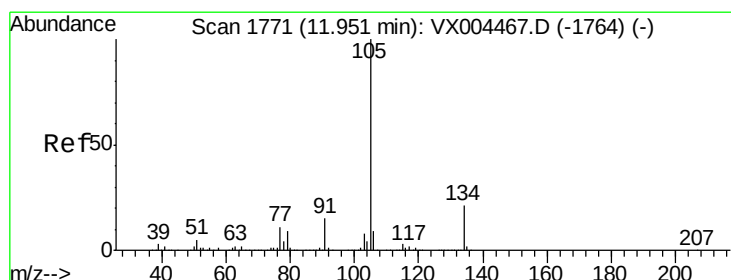
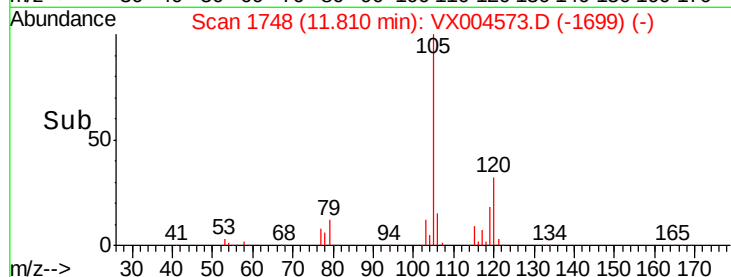
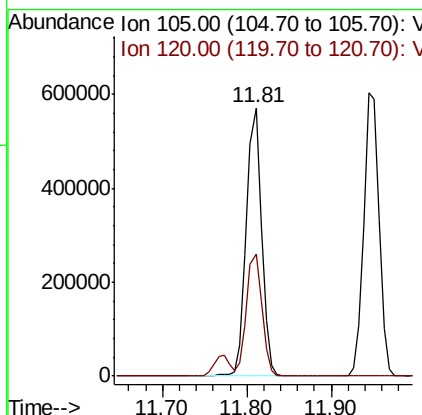
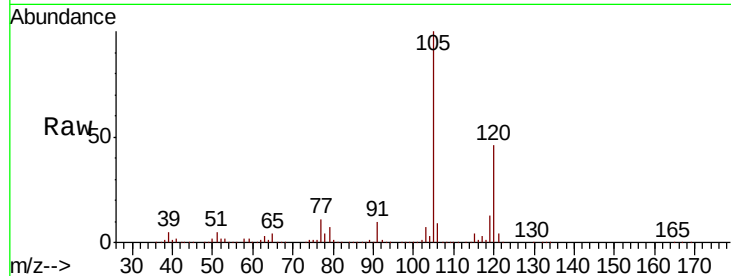
#84
 1,2,4-Trimethylbenzene
 Concen: 59.46 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.2	69.6

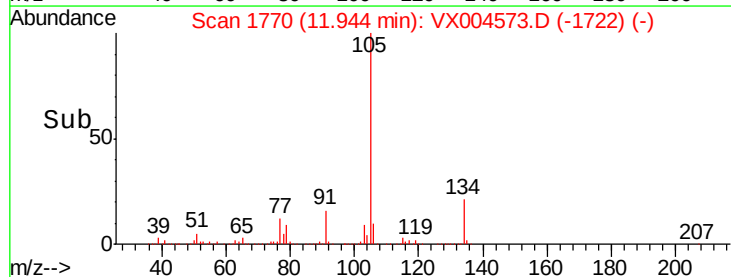
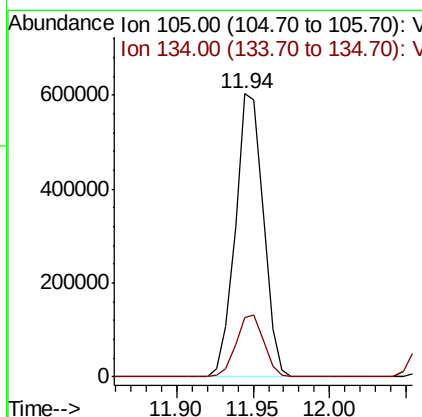
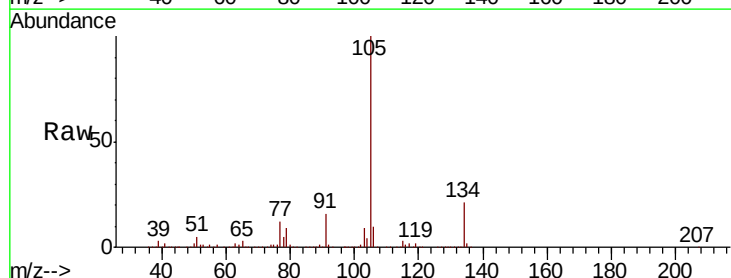
Manual Integrations
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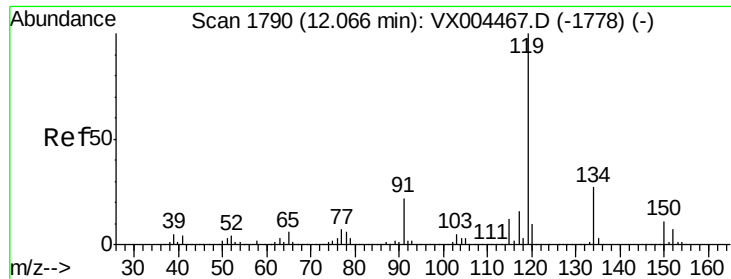
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#85
 sec-Butylbenzene
 Concen: 55.80 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.5	31.5





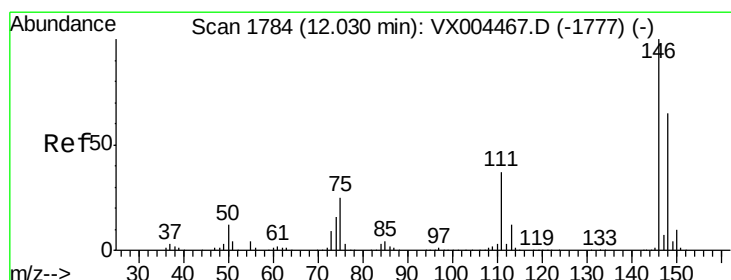
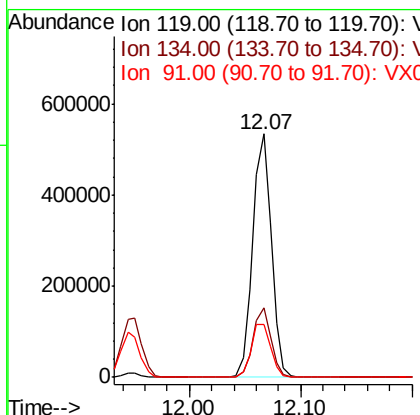
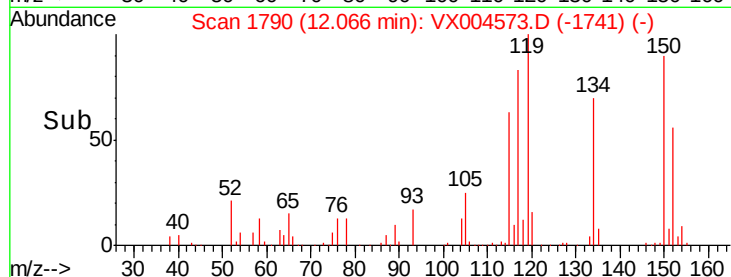
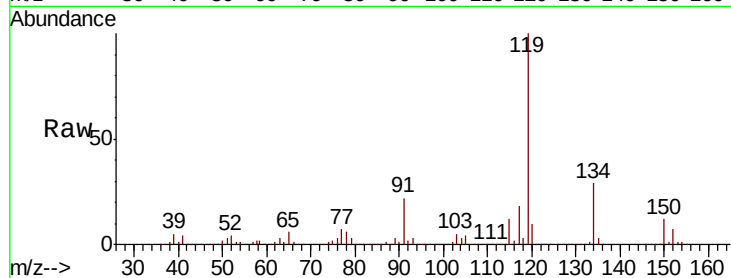
#86
 p-Isopropyltoluene
 Concen: 51.57 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	624997		
134	27.5	13.4	40.2	
91	22.7	10.9	32.7	

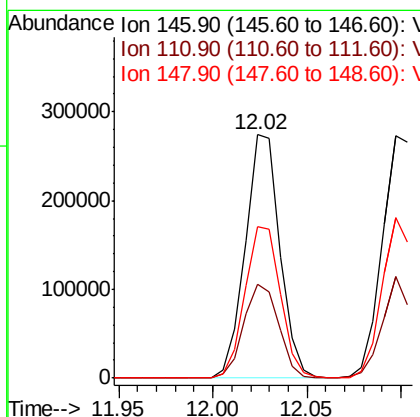
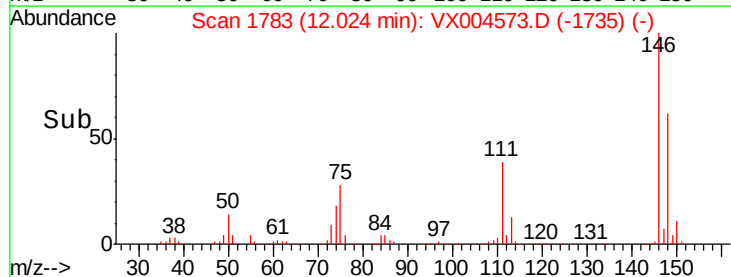
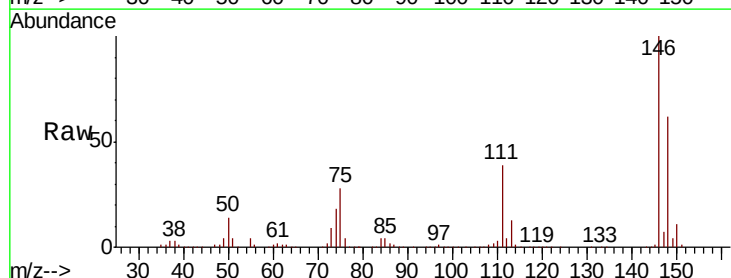
Manual Integrations
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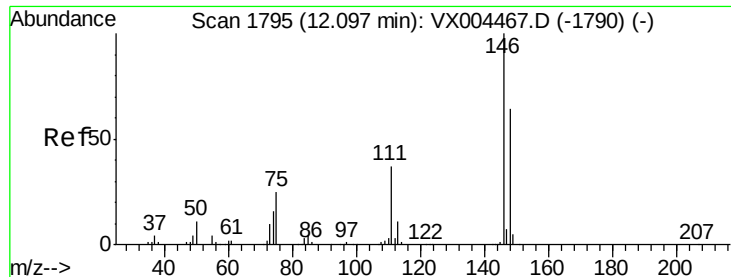
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 50.49 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	350392		
111	39.2	18.7	56.1	
148	64.0	32.1	96.5	





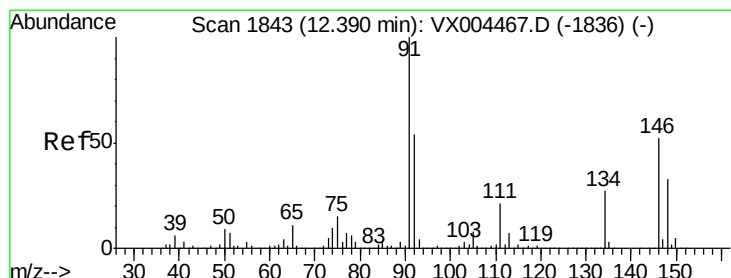
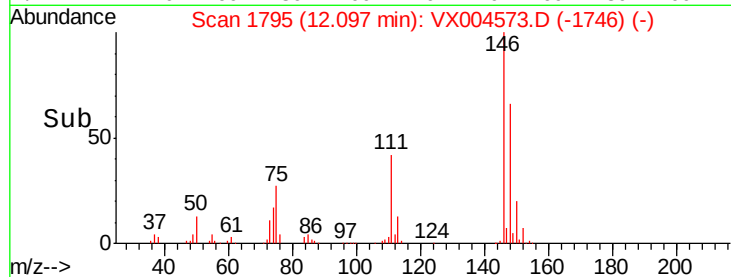
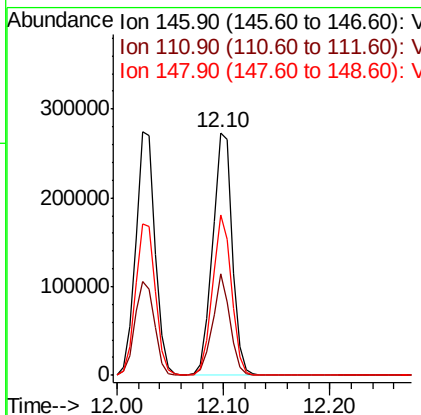
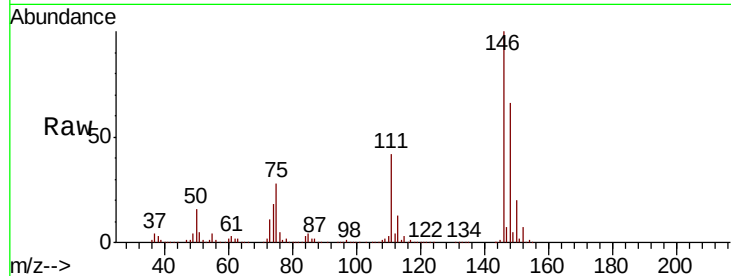
#88
 1,4-Dichlorobenzene
 Concen: 48.30 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.1
148	63.6	32.0	96.0

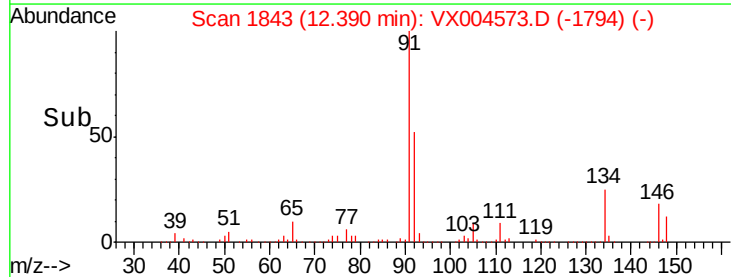
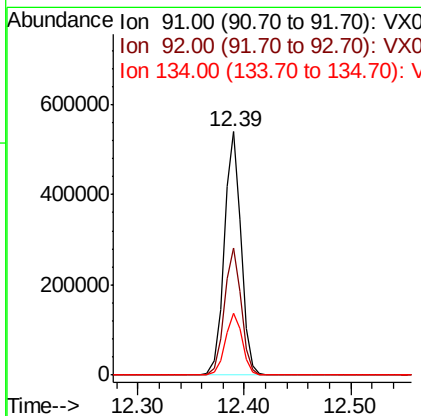
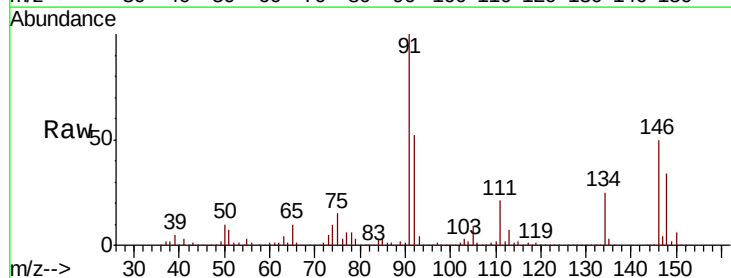
Manual Integrations
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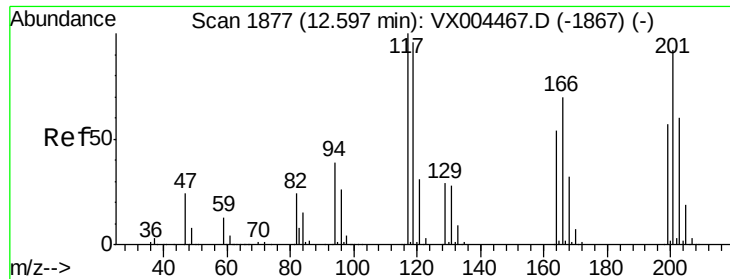
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#89
 n-Butylbenzene
 Concen: 53.38 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.3	81.9
134	25.7	13.6	40.7





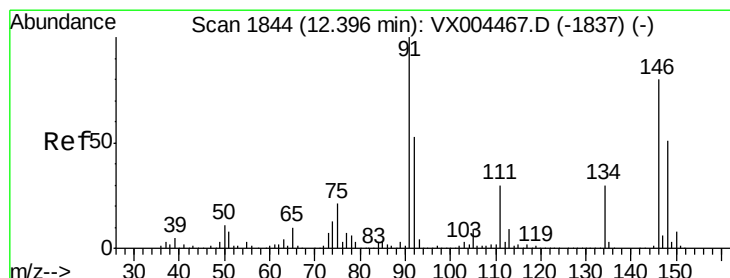
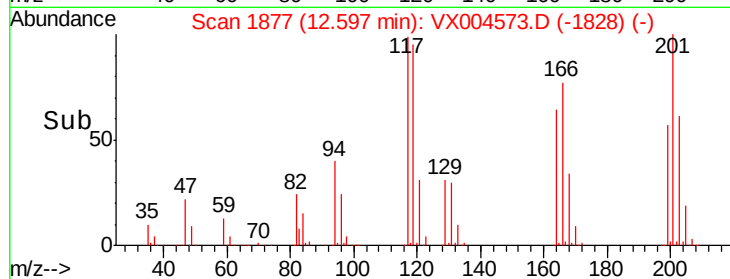
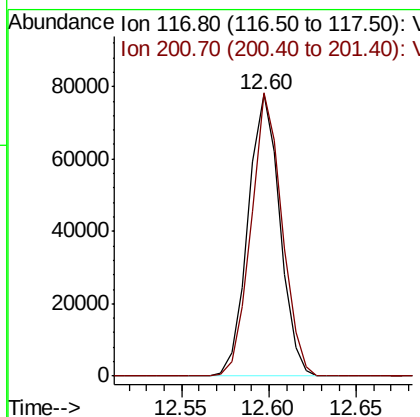
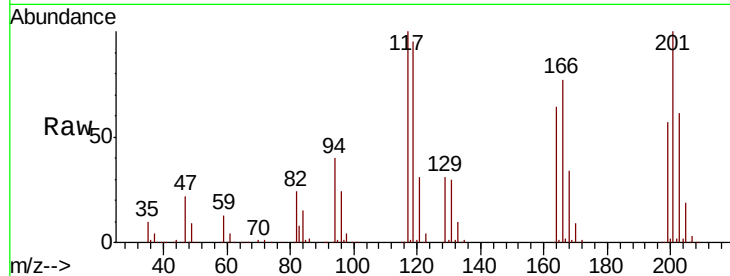
#90
Hexachloroethane
Concen: 50.73 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampled :
S13-0242MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	98431		
166	97.6	46.9	140.6	

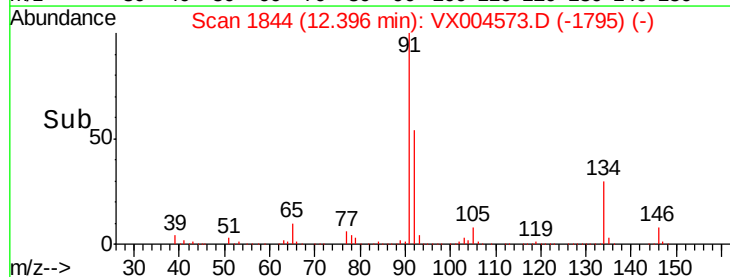
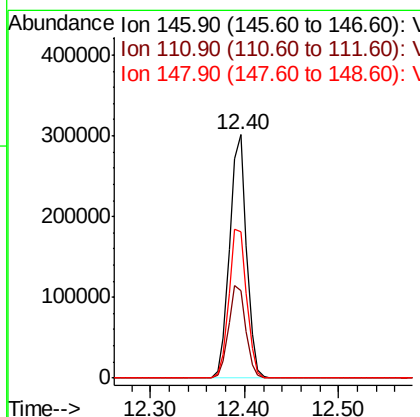
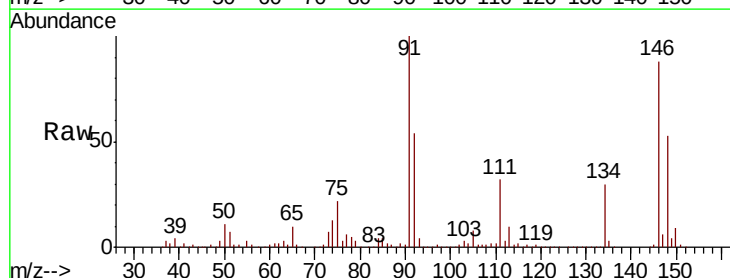
Manual Integrations
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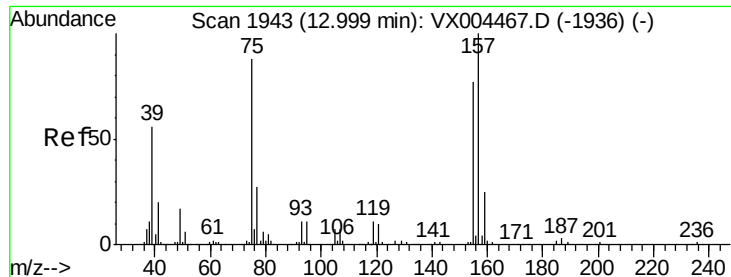
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#91
1,2-Dichlorobenzene
Concen: 53.23 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	373893		
111	38.9	19.4	58.1	
148	64.3	32.8	98.3	





#92

1,2-Dibromo-3-Chloropropane

Concen: 54.57 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Instrument :

MSVOA_X

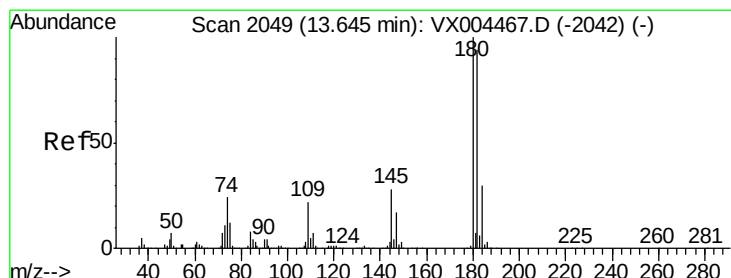
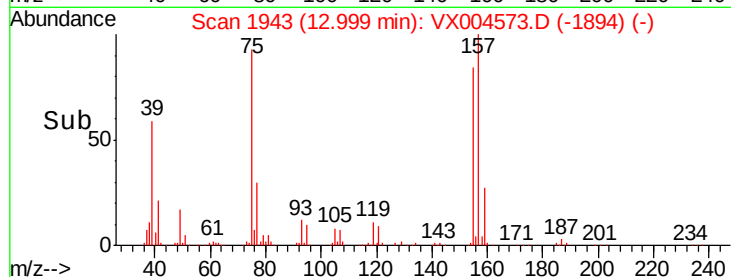
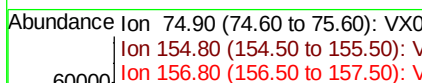
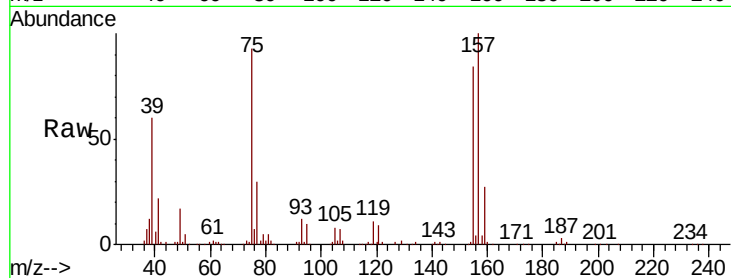
ClientSampleId :

S13-0242MS

Tot Ion:	75	Resp:	50582
Ion Ratio	Lower	Upper	
75	100		
155	100.0	48.0	144.2
157	126.4	61.4	184.1

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 57.39 ug/l

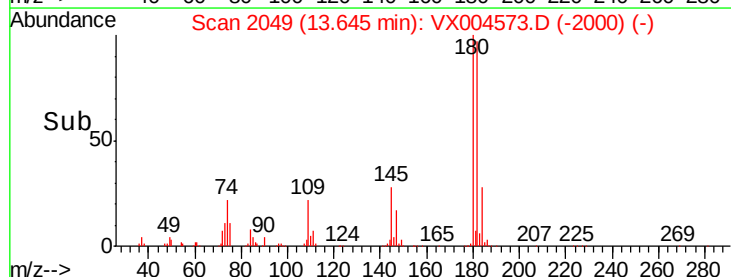
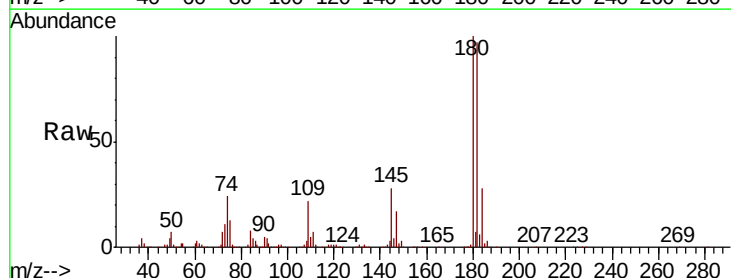
RT: 13.65 min Scan# 2049

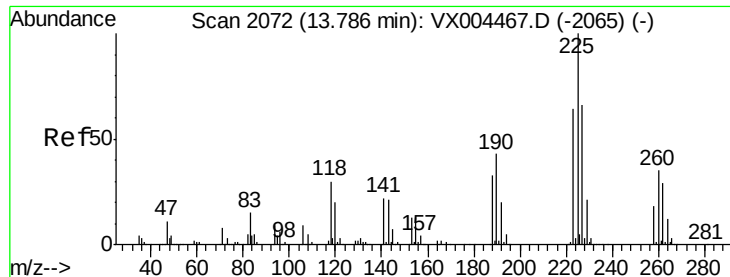
Delta R.T. -0.00 min

Lab File: VX004573.D

Acq: 15 Sep 2018 09:22

Tgt Ion:	180	Resp:	285443
Ion Ratio	Lower	Upper	
180	100		
182	92.9	48.4	145.0
145	28.2	14.3	42.9





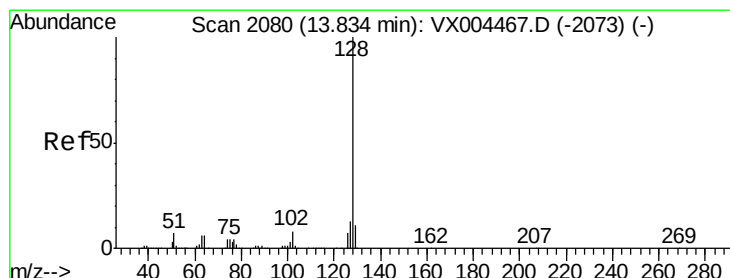
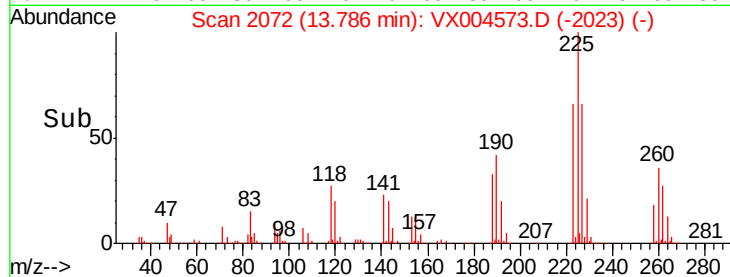
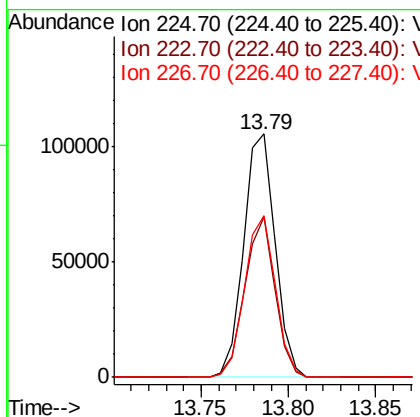
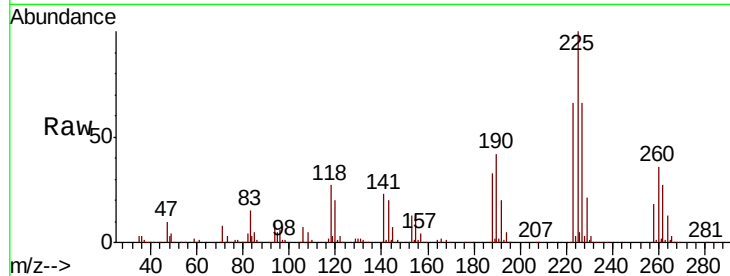
#94
Hexachlorobutadiene
Concen: 50.79 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Instrument :
MSVOA_X
ClientSampleId :
S13-0242MS

Tot Ion	Ratio	Resp	Lower	Upper
225	100	131962		
223	62.8		30.1	90.5
227	65.3		30.8	92.4

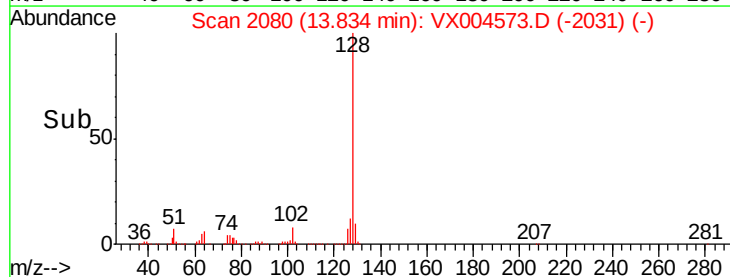
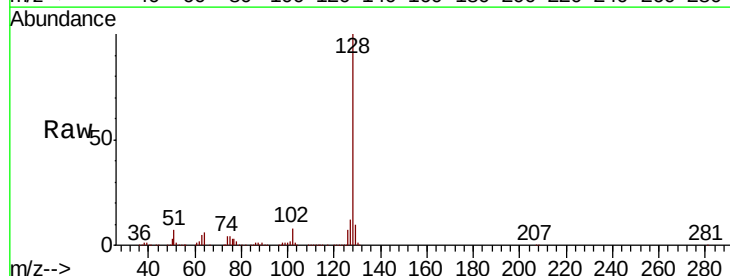
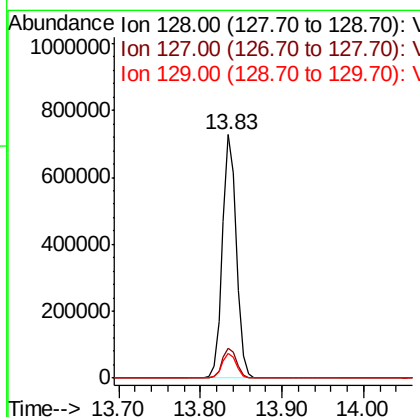
Manual Integrations
APPROVED

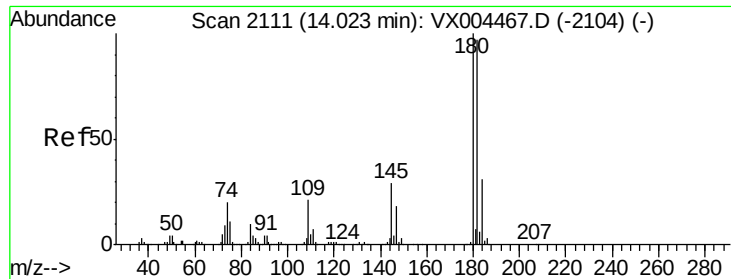
MMDadoda
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#95
Naphthalene
Concen: 62.21 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004573.D
Acq: 15 Sep 2018 09:22

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	867906		
127	12.7		10.2	15.2
129	10.5		8.6	12.8





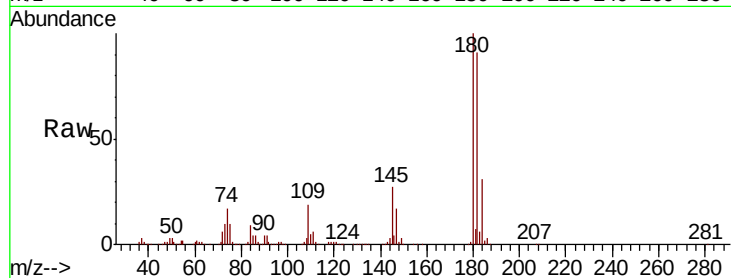
#96
 1,2,3-Trichlorobenzene
 Concen: 56.87 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX004573.D
 Acq: 15 Sep 2018 09:22

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0242MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	290627		
182	92.8		48.5	145.6
145	29.3		14.9	44.9

Manual Integrations
 APPROVED

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 9/17/2018 5:09:32 PM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

