

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091118\
 Data File : VX004468.D
 Acq On : 11 Sep 2018 14:20
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:23 AM

Quant Time: Sep 12 02:10:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 01:43:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	283466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354928	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	212421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	322145	88.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.28%	
35) Dibromofluoromethane	5.51	113	308031	94.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.68%	
50) Toluene-d8	8.72	98	1059137	97.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.48%	
62) 4-Bromofluorobenzene	11.14	95	394332	101.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	266656	100.37	ug/l	96
3) Chloromethane	1.32	50	335260	91.70	ug/l	97
4) Vinyl Chloride	1.40	62	355967	94.86	ug/l	99
5) Bromomethane	1.63	94	154968	86.54	ug/l	99
6) Chloroethane	1.70	64	212755	87.67	ug/l	94
7) Trichlorofluoromethane	1.92	101	458439	92.15	ug/l	95
8) Diethyl Ether	2.18	74	210330	94.31	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	290033	91.90	ug/l	99
10) Methyl Iodide	2.51	142	365023	105.17	ug/l	99
11) Tert butyl alcohol	3.09	59	397232	455.47	ug/l	99
12) 1,1-Dichloroethene	2.37	96	275496	93.01	ug/l	91
13) Acrolein	2.29	56	159391	462.98	ug/l	94
14) Allyl chloride	2.72	41	554249	91.02	ug/l	96
15) Acrylonitrile	3.15	53	1017260	484.36	ug/l	97
16) Acetone	2.45	43	757546	424.65	ug/l	94
17) Carbon Disulfide	2.56	76	830704	97.03	ug/l	100
18) Methyl Acetate	2.78	43	440586	88.03	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	953479	91.75	ug/l	94
20) Methylene Chloride	2.85	84	323617	88.43	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	312668	95.53	ug/l	92
22) Diisopropyl ether	3.87	45	1034471	94.32	ug/l	96
23) Vinyl Acetate	3.82	43	4332327	488.14	ug/l	98
24) 1,1-Dichloroethane	3.69	63	555092	89.65	ug/l	100
25) 2-Butanone	4.71	43	1266545	446.10	ug/l	91
26) 2,2-Dichloropropane	4.57	77	391908	92.15	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	343963	94.14	ug/l	98
28) Bromochloromethane	5.02	49	272475	96.20	ug/l	96
29) Tetrahydrofuran	5.17	42	828870	484.10	ug/l	96
30) Chloroform	5.21	83	550711	91.10	ug/l	94
31) Cyclohexane	5.57	56	531548	100.54	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	458314	94.13	ug/l	99
36) 1,1-Dichloropropene	5.80	75	413856	96.04	ug/l	99
37) Ethyl Acetate	4.87	43	467086	95.31	ug/l	99
38) Carbon Tetrachloride	5.78	117	414659	98.52	ug/l	94

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Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	469869	104.49	ug/l	98
40) Benzene	6.14	78	1137549	88.97	ug/l	99
41) Methacrylonitrile	5.07	41	268222	99.33	ug/l	98
42) 1,2-Dichloroethane	6.20	62	371946	87.72	ug/l	98
43) Isopropyl Acetate	6.46	43	638569	98.10	ug/l	99
44) Trichloroethene	7.21	130	321760	96.87	ug/l	96
45) 1,2-Dichloropropane	7.52	63	298892	97.16	ug/l	99
46) Dibromomethane	7.66	93	186783	96.11	ug/l	98
47) Bromodichloromethane	7.90	83	363282	98.84	ug/l	99
48) Methyl methacrylate	7.78	41	336631	104.50	ug/l	97
49) 1,4-Dioxane	7.76	88	152420	1999.09	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	2168757	472.13	ug/l	98
52) Toluene	8.79	92	723379	96.03	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	420825	98.02	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	454916	103.94	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	285871	88.14	ug/l	98
56) Ethyl methacrylate	9.18	69	453411	98.82	ug/l	98
57) 1,3-Dichloropropane	9.37	76	479713	91.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1129547	536.61	ug/l	95
59) 2-Hexanone	9.50	43	1652434	468.98	ug/l	98
60) Dibromochloromethane	9.59	129	300572	98.44	ug/l	99
61) 1,2-Dibromoethane	9.68	107	298402	96.31	ug/l	100
64) Tetrachloroethene	9.34	164	359135	84.87	ug/l	98
65) Chlorobenzene	10.14	112	799445	94.96	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	286562	98.71	ug/l	100
67) Ethyl Benzene	10.26	91	1381098	100.89	ug/l	99
68) m/p-Xylenes	10.36	106	1080021	204.83	ug/l	98
69) o-Xylene	10.70	106	520336	102.65	ug/l	99
70) Styrene	10.71	104	883590	105.21	ug/l	98
71) Bromoform	10.86	173	245824	103.13	ug/l	99
73) Isopropylbenzene	11.02	105	1394510	99.68	ug/l	100
74) N-amyl acetate	10.90	43	607377	103.15	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	423891	93.94	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	402932m	97.08	ug/l	
77) Bromobenzene	11.26	156	368806	95.38	ug/l	98
78) n-propylbenzene	11.36	91	1622683	100.88	ug/l	100
79) 2-Chlorotoluene	11.42	91	942943	96.66	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1195007	101.61	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	144201	107.55	ug/l	93
82) 4-Chlorotoluene	11.51	91	1128144	99.08	ug/l	100
83) tert-Butylbenzene	11.77	119	1137154	101.56	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1229611	102.40	ug/l	99
85) sec-Butylbenzene	11.95	105	1443574	101.18	ug/l	99
86) p-Isopropyltoluene	12.07	119	1300985	103.26	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	688603	95.45	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	697938	93.63	ug/l	99
89) n-Butylbenzene	12.39	91	1187938	103.46	ug/l	99
90) Hexachloroethane	12.60	117	206325	102.29	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	698347	95.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	100212	104.01	ug/l	99

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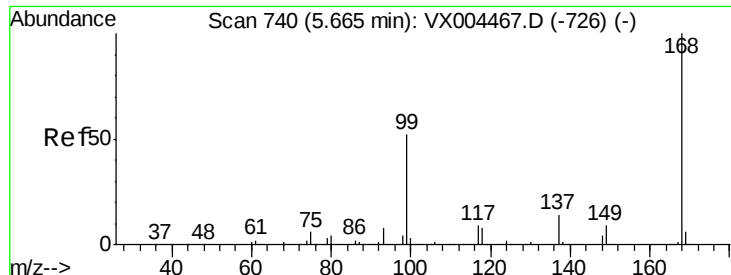
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	528339	102.18	ug/l	99
94) Hexachlorobutadiene	13.79	225	260592	96.49	ug/l	97
95) Naphthalene	13.83	128	1551464	106.98	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	529097	99.61	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 283466

Ion Ratio Lower Upper

168 100

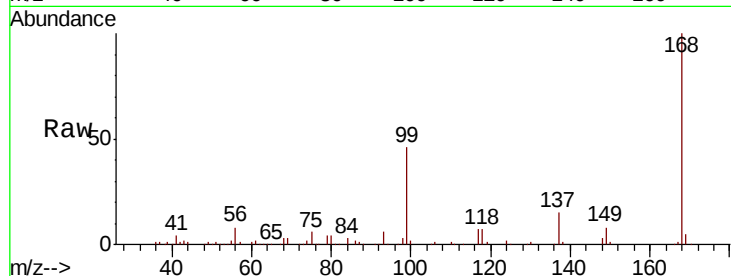
99 46.3 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

40000

20000

0

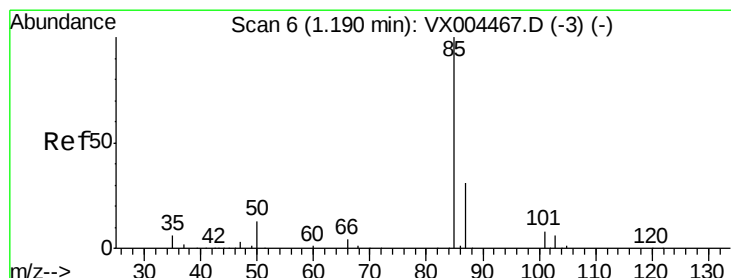
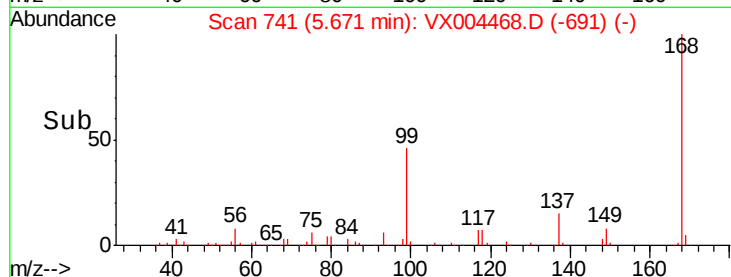
Time-->

5.50

5.60

5.70

5.80



#2

Dichlorodifluoromethane

Concen: 100.37 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX004468.D

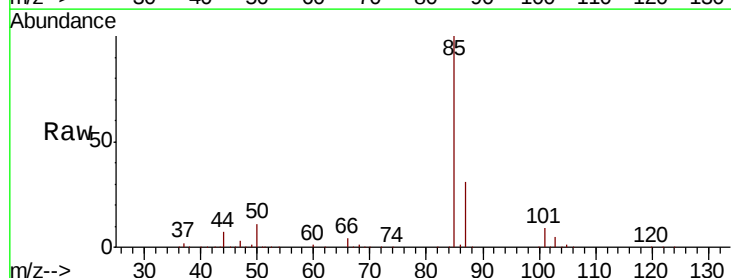
Acq: 11 Sep 2018 14:20

Tgt Ion: 85 Resp: 266656

Ion Ratio Lower Upper

85 100

87 31.5 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

300000

250000

200000

150000

100000

50000

0

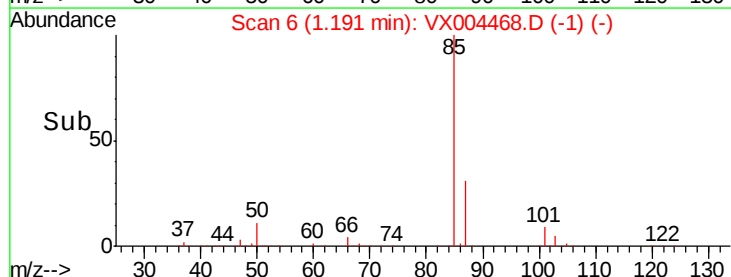
Time-->

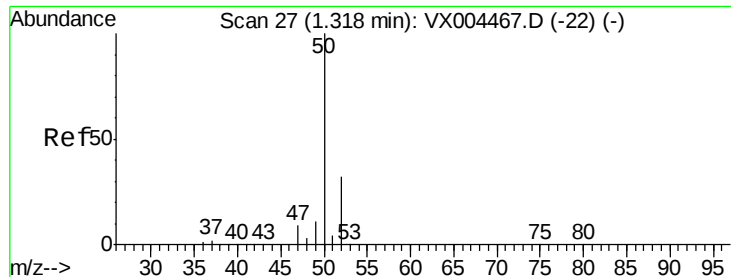
1.15

1.20

1.25

1.30





#3

Chloromethane

Concen: 91.70 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Tot Ion: 50 Resp: 335260

Ion Ratio Lower Upper

50 100

52 31.1 26.2 39.2

Instrument :

MSVOA_X

ClientSampleId :

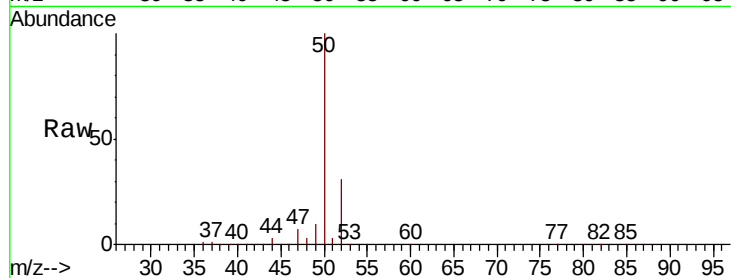
VSTDIC100

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300000

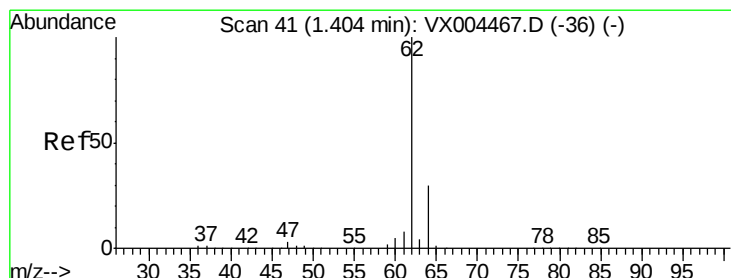
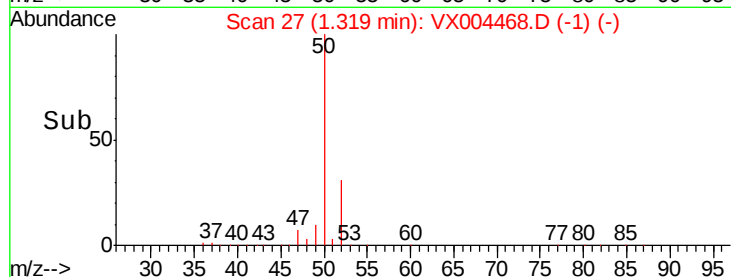
200000

100000

0

1.25 1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 94.86 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004468.D

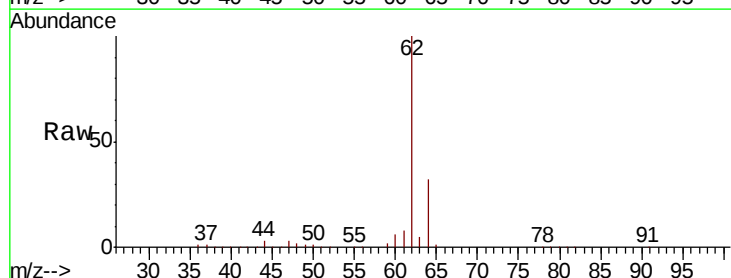
Acq: 11 Sep 2018 14:20

Tgt Ion: 62 Resp: 355967

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

300000

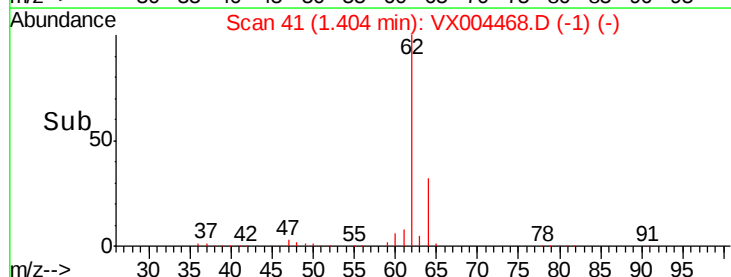
200000

100000

0

1.30 1.40 1.50 1.60

Time-->





#5

Bromomethane

Concen: 86.54 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 154968

Ion Ratio Lower Upper

94 100

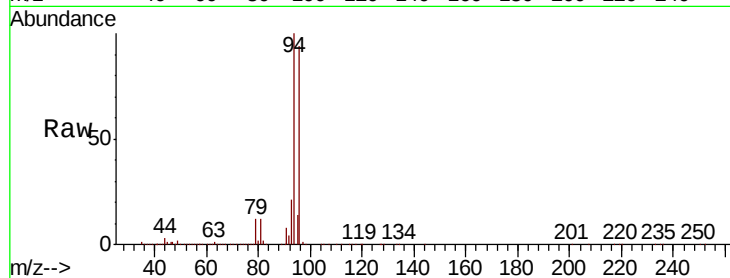
96 93.9 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

150000

100000

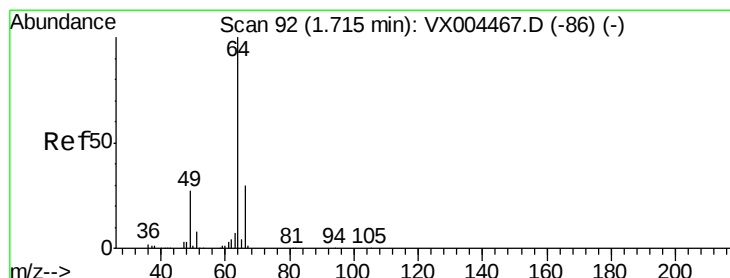
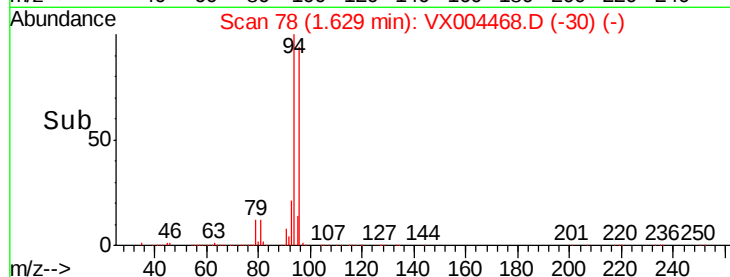
50000

0

1.63

1.50 1.60 1.70

Time-->



#6

Chloroethane

Concen: 87.67 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX004468.D

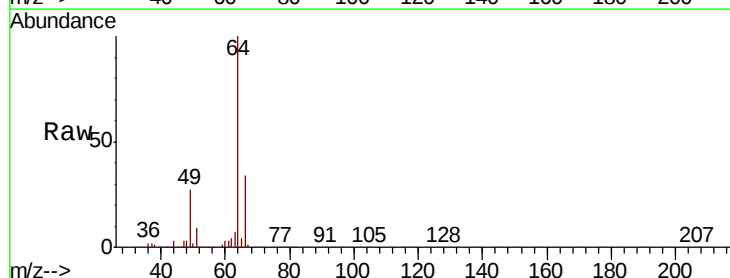
Acq: 11 Sep 2018 14:20

Tgt Ion: 64 Resp: 212755

Ion Ratio Lower Upper

64 100

66 33.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

150000

100000

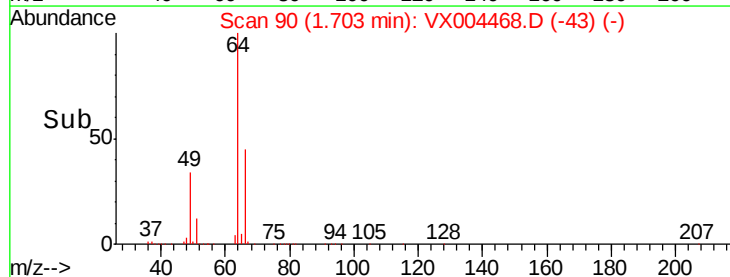
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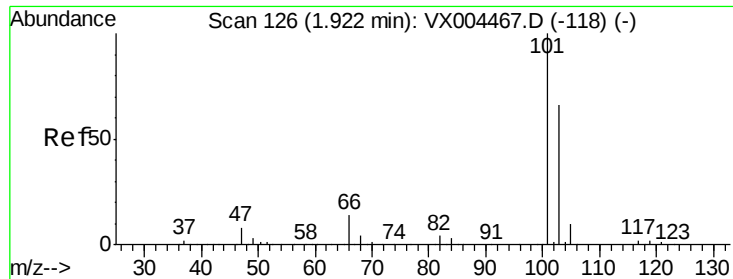
0

1.70

1.60 1.70 1.80

Time-->





#7

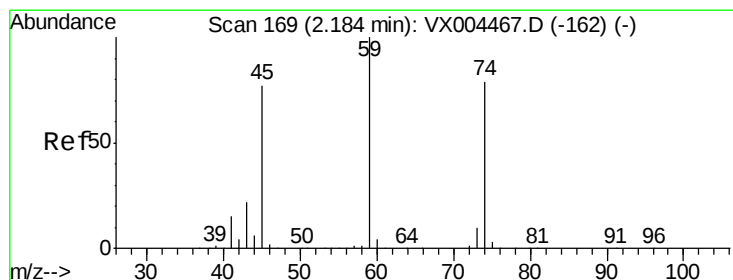
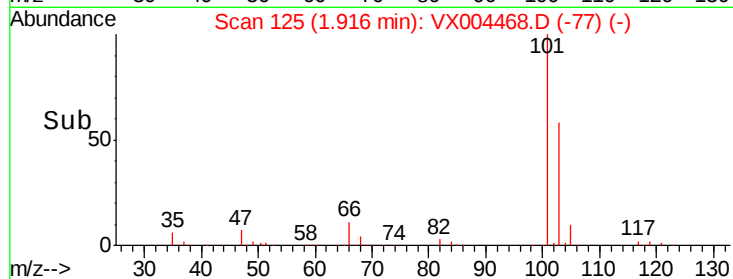
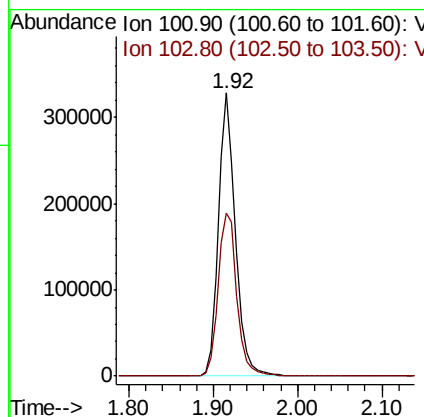
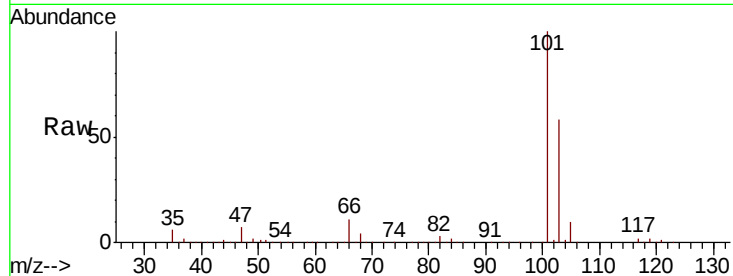
Trichlorofluoromethane
 Concen: 92.15 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 458439
 Ion Ratio Lower Upper
 101 100
 103 57.5 48.9 73.3

Manual Integrations
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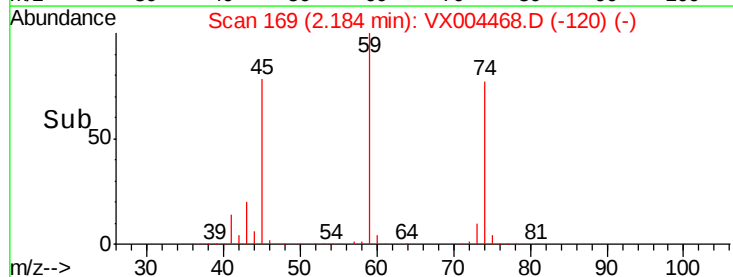
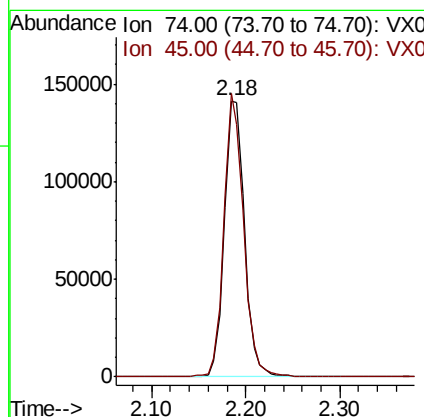
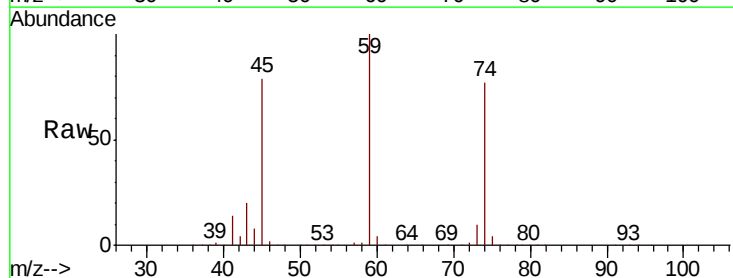
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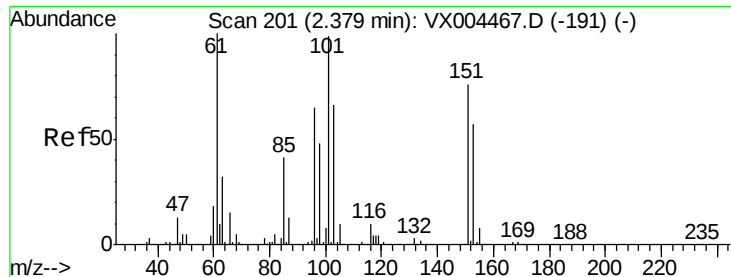


#8

Diethyl Ether
 Concen: 94.31 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Tgt Ion: 74 Resp: 210330
 Ion Ratio Lower Upper
 74 100
 45 99.4 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.90 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

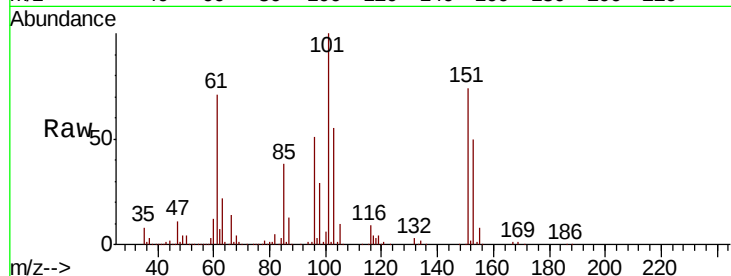
ClientSampleId :

VSTDIC100

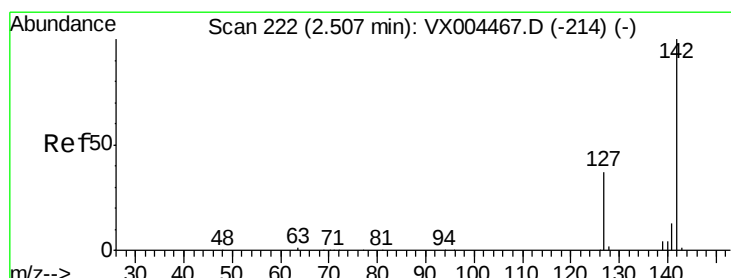
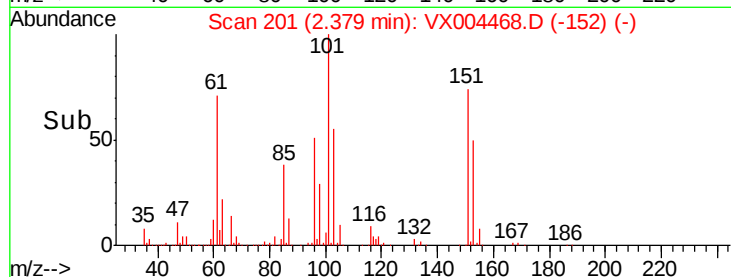
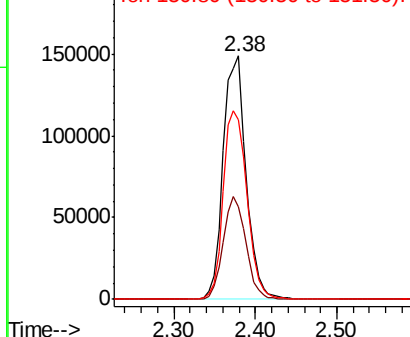
Tot Ion:	101	Resp:	290033
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.4
151	80.2	65.0	97.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 105.17 ug/l

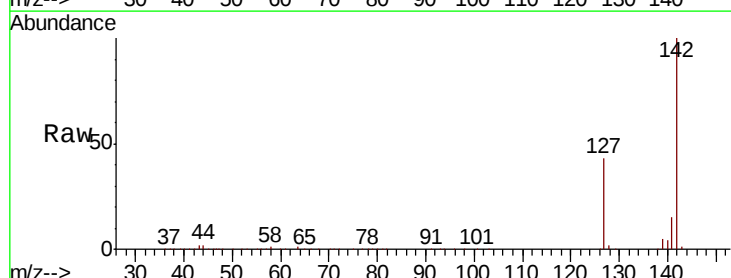
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

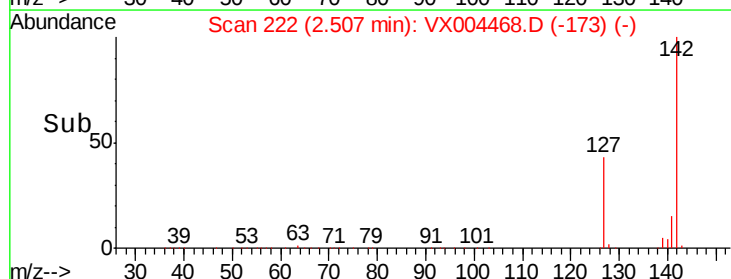
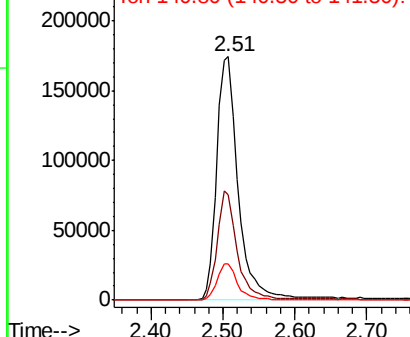
Lab File: VX004468.D

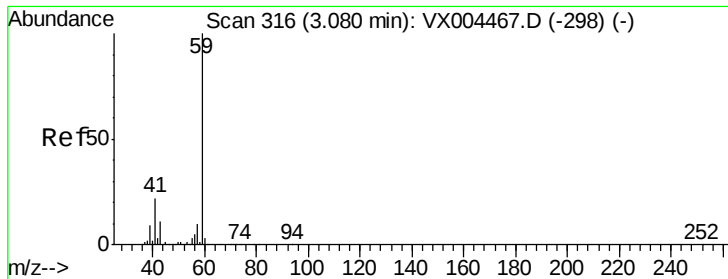
Acq: 11 Sep 2018 14:20

Tgt Ion:	142	Resp:	365023
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.8	50.6
141	14.2	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





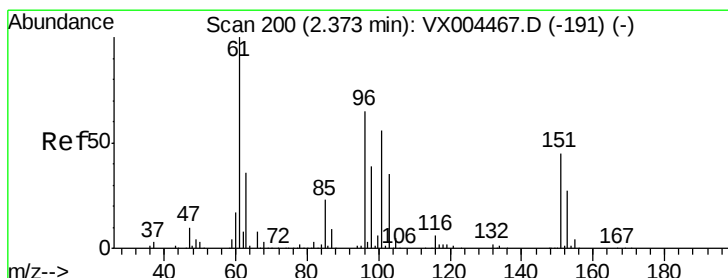
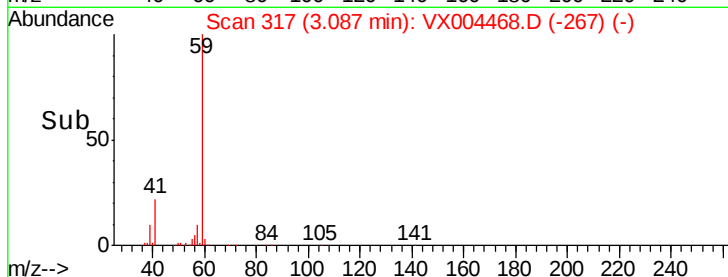
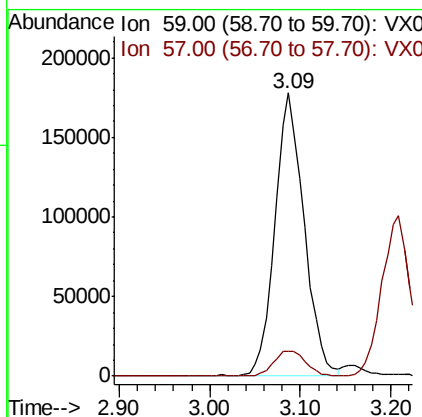
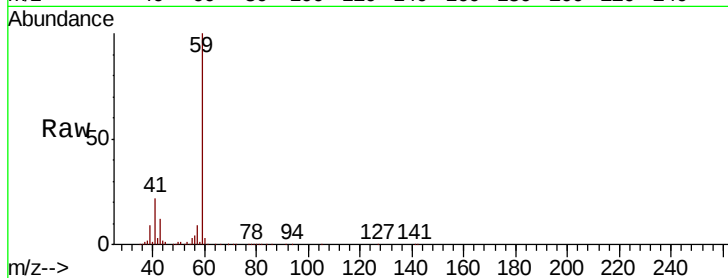
#11
Tert butyl alcohol
Concen: 455.47 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 397232
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.4

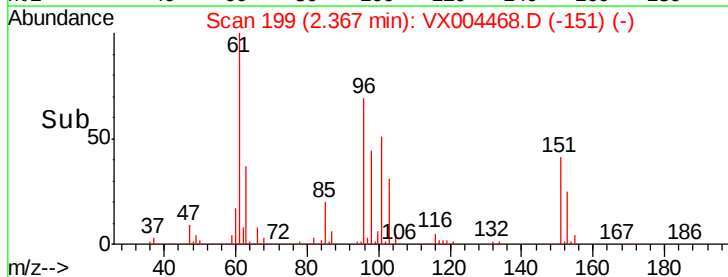
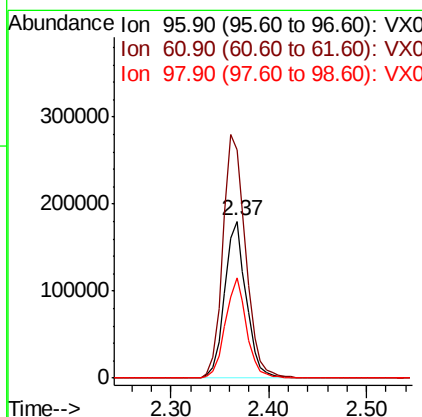
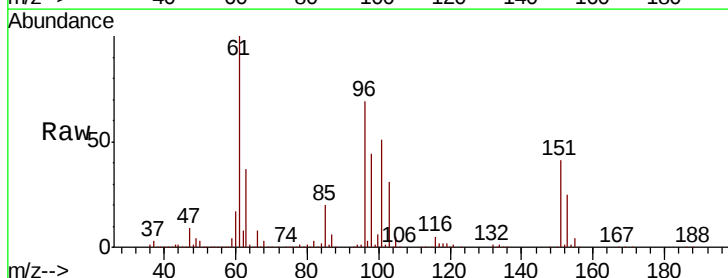
Manual Integrations
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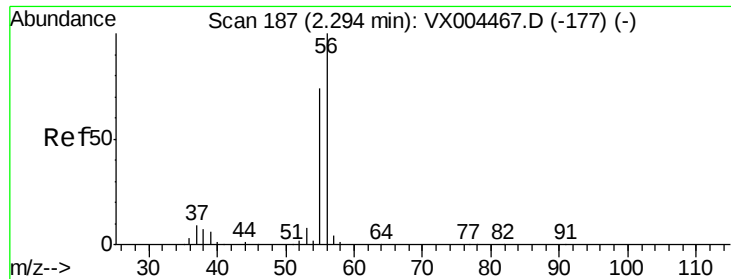
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#12
1,1-Dichloroethene
Concen: 93.01 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion: 96 Resp: 275496
Ion Ratio Lower Upper
96 100
61 145.6 128.8 193.2
98 64.1 52.2 78.2





#13

Acrolein

Concen: 462.98 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 159391

Ion Ratio Lower Upper

56 100

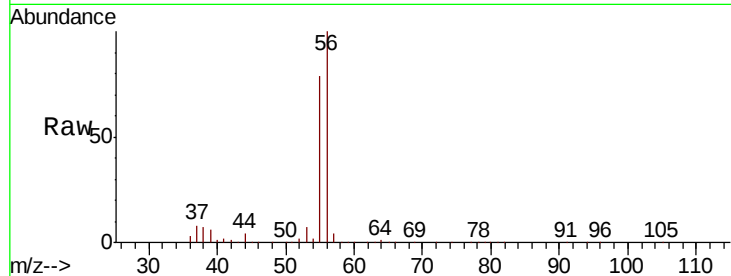
55 73.5 54.7 82.1

Manual Integrations

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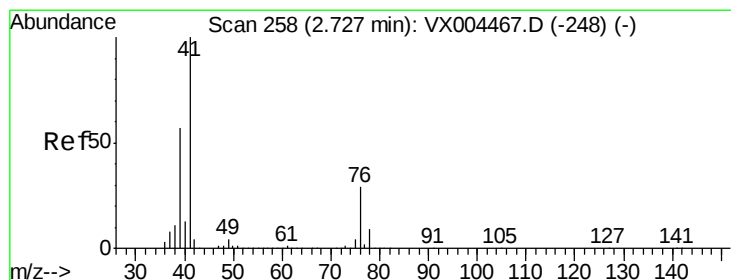
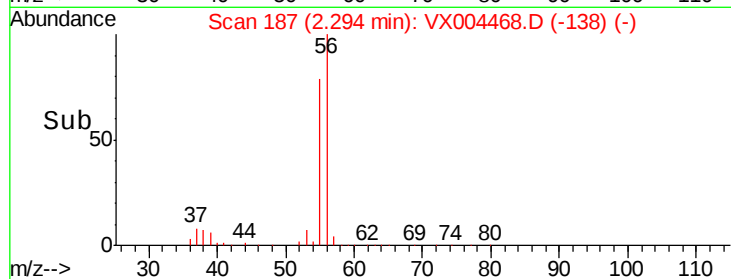
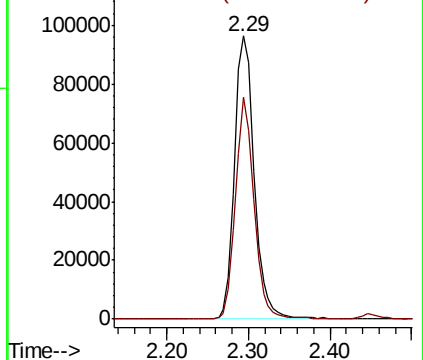
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 91.02 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

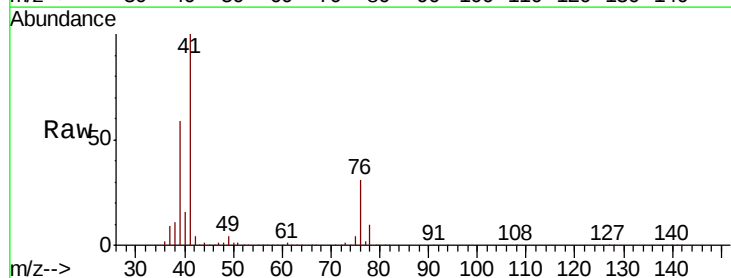
Tgt Ion: 41 Resp: 554249

Ion Ratio Lower Upper

41 100

39 58.0 48.9 73.3

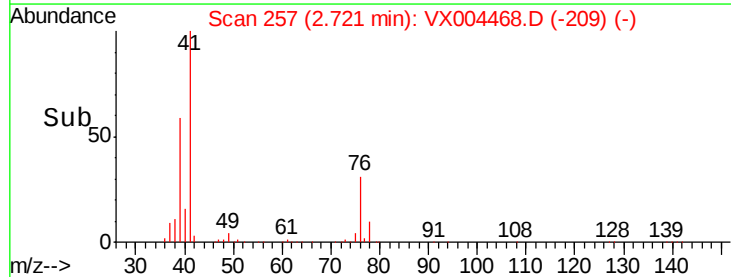
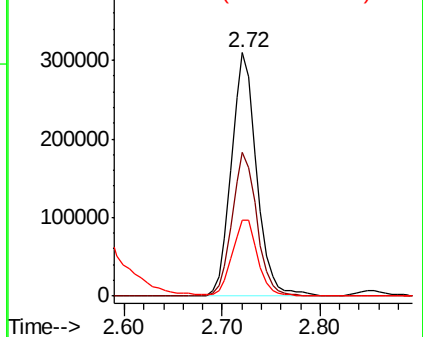
76 31.7 26.7 40.1

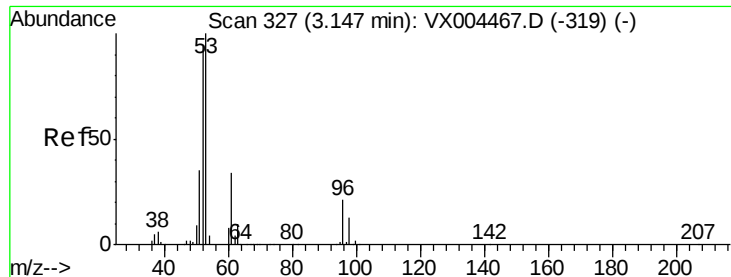


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 484.36 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1017260

Ion Ratio Lower Upper

53 100

52 78.3 65.2 97.8

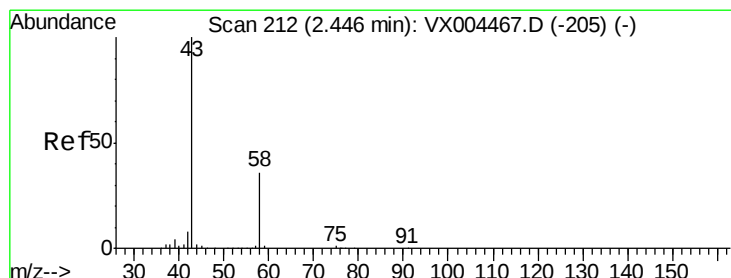
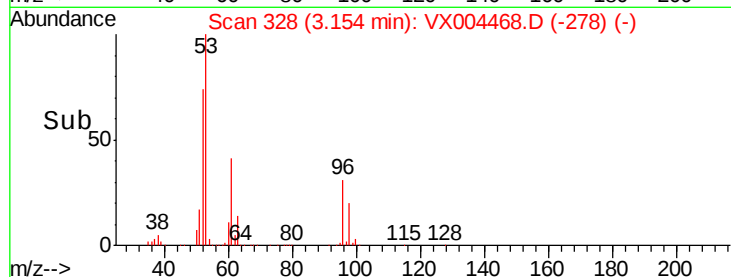
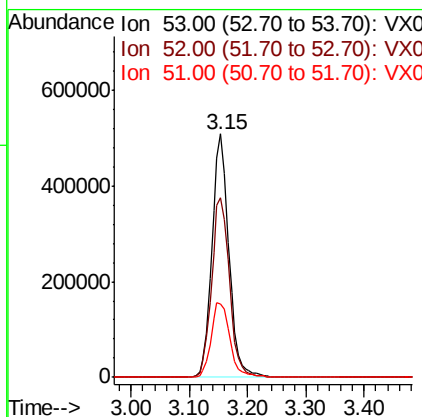
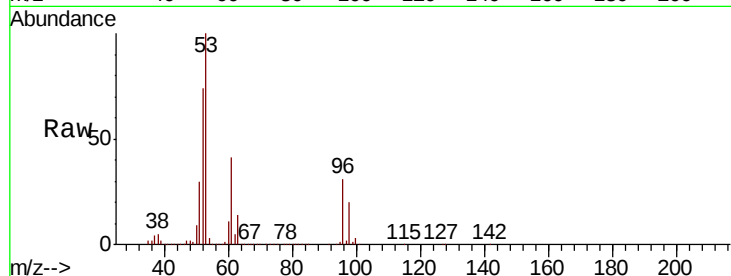
51 34.1 28.2 42.2

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#16

Acetone

Concen: 424.65 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004468.D

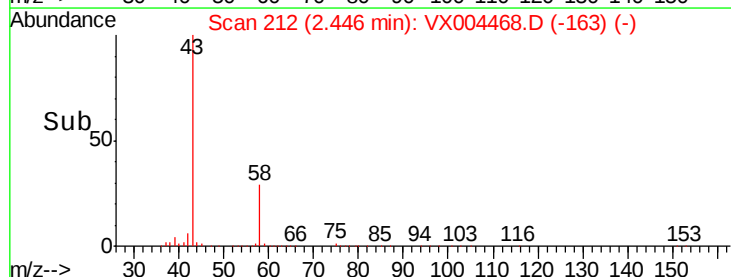
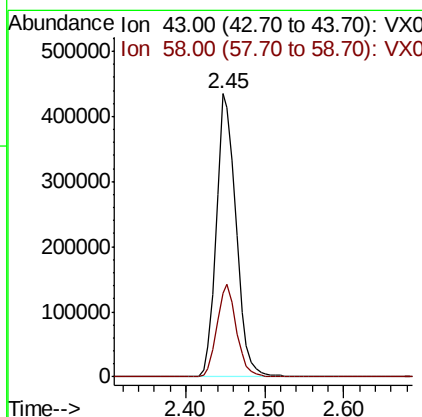
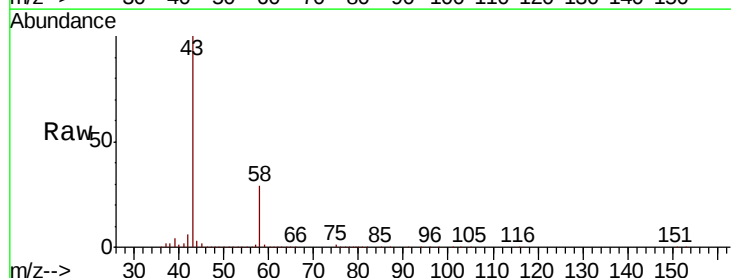
Acq: 11 Sep 2018 14:20

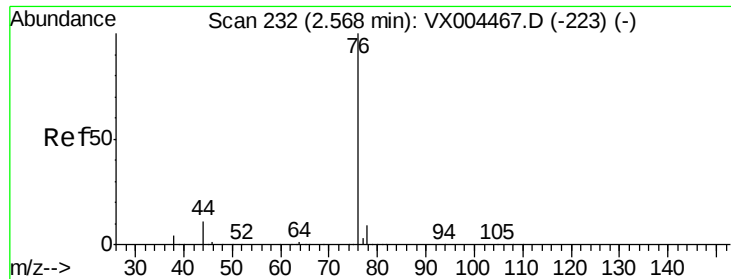
Tgt Ion: 43 Resp: 757546

Ion Ratio Lower Upper

43 100

58 29.5 26.2 39.4





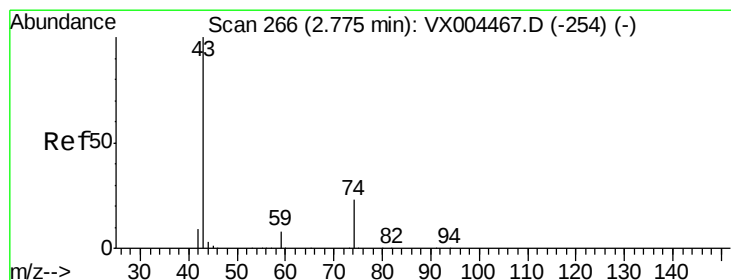
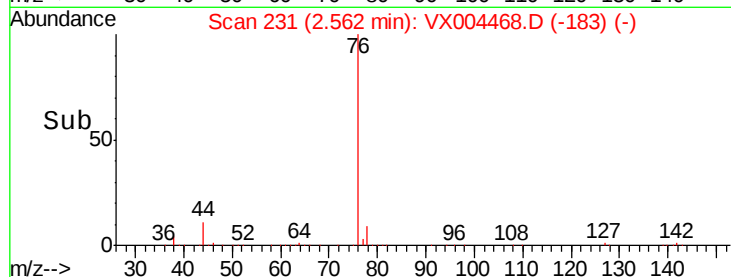
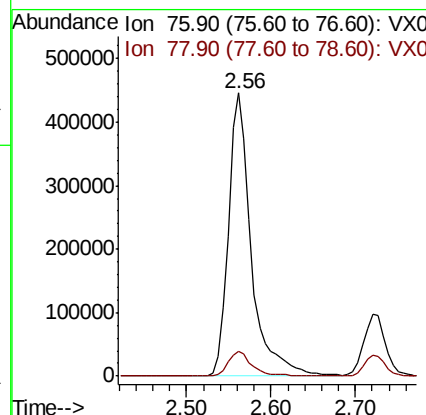
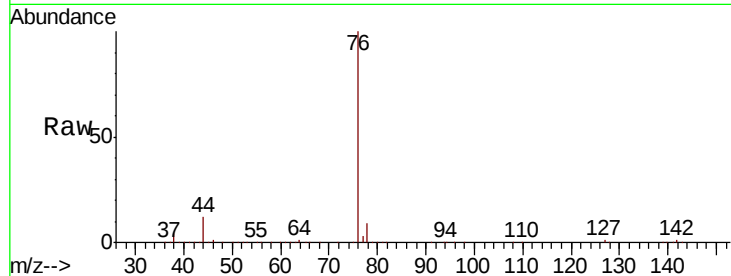
#17
Carbon Disulfide
Concen: 97.03 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

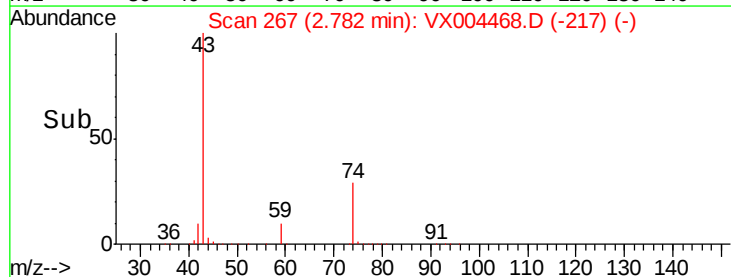
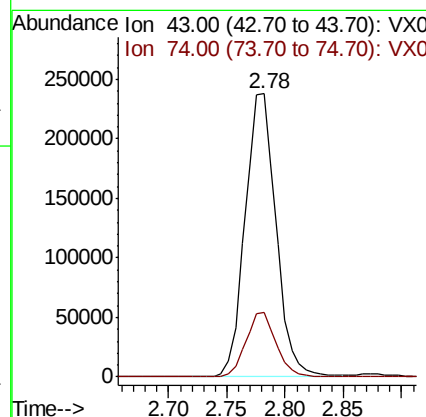
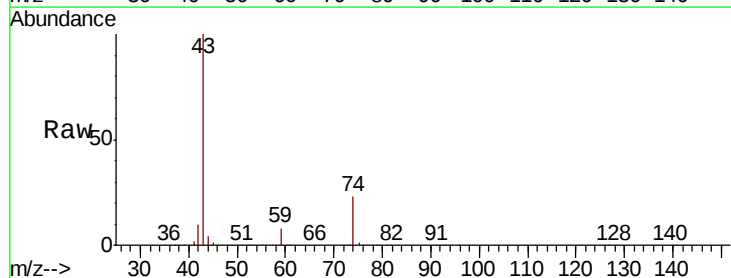
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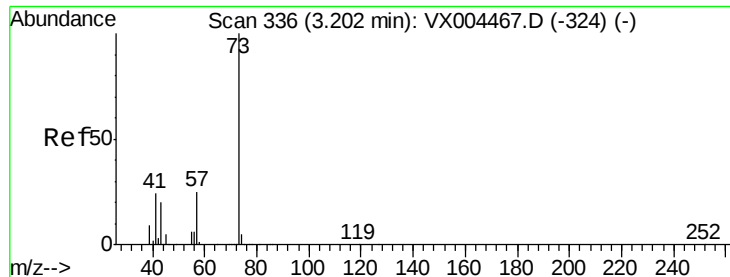
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#18
Methyl Acetate
Concen: 88.03 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	19.4	29.2





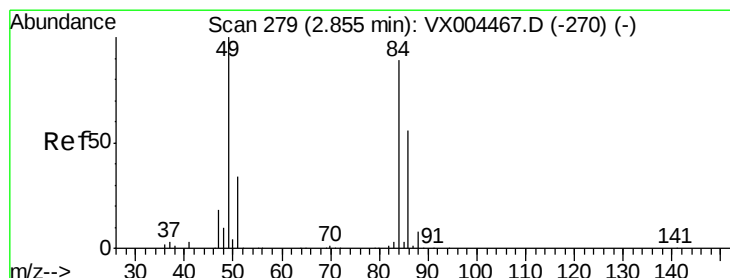
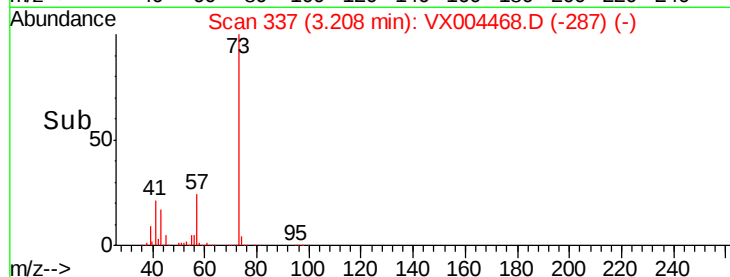
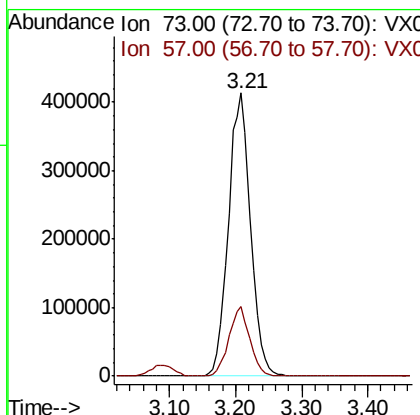
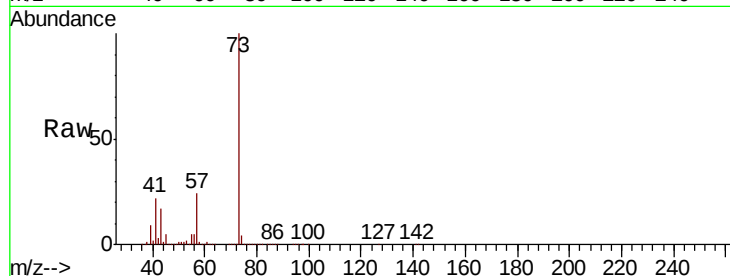
#19
Methyl tert-butyl Ether
Concen: 91.75 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.4	17.1	25.7

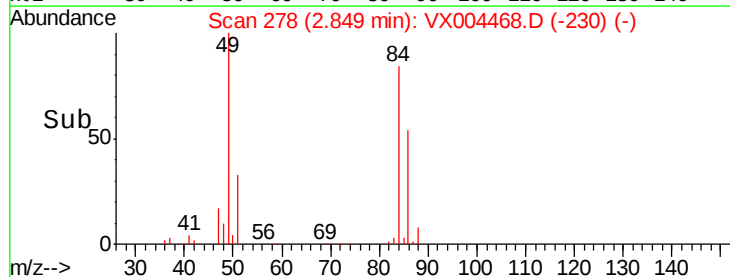
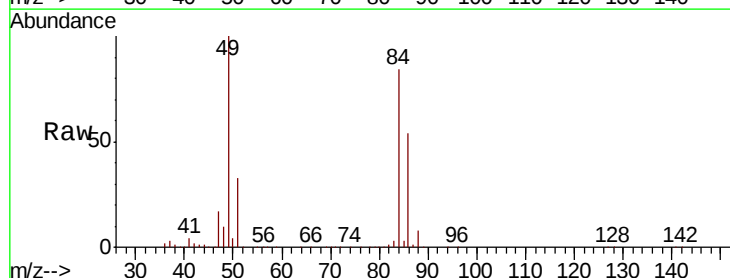
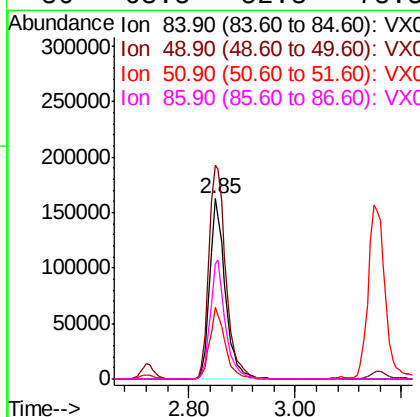
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#20
Methylene Chloride
Concen: 88.43 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.3	101.2	151.8
51	39.4	29.5	44.3
86	63.5	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 95.53 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

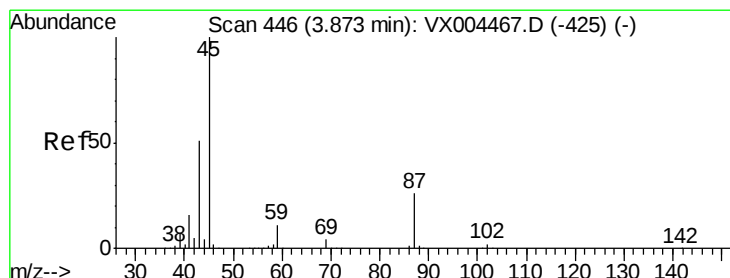
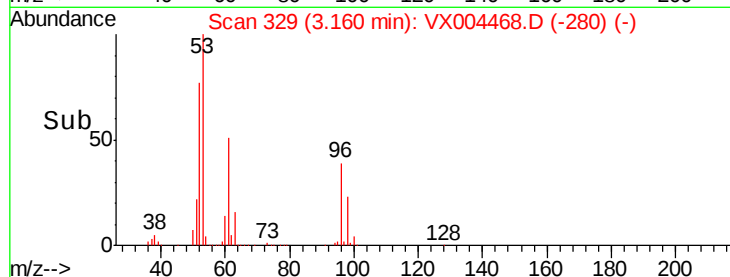
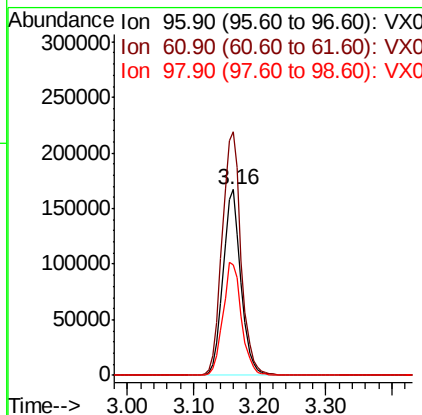
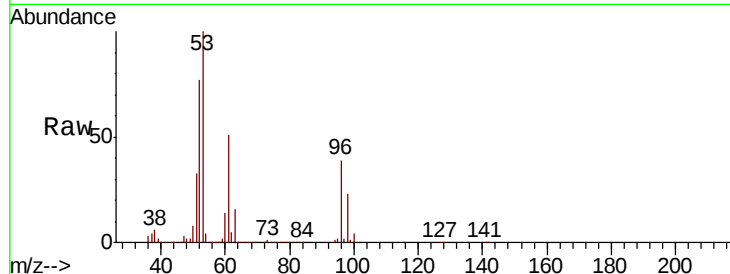
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	312668
Ion	Ratio	Lower	Upper
96	100		
61	131.2	113.8	170.6
98	59.6	51.8	77.8

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#22

Diisopropyl ether

Concen: 94.32 ug/l

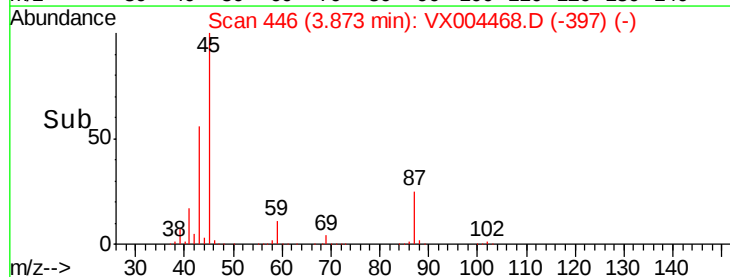
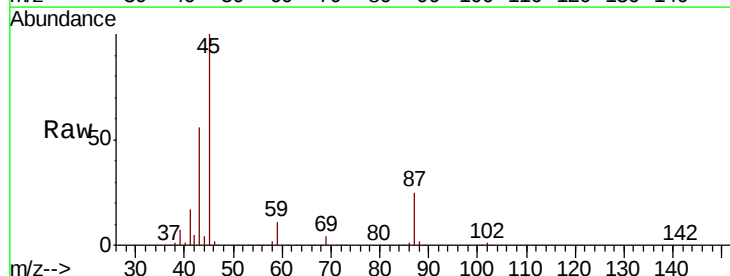
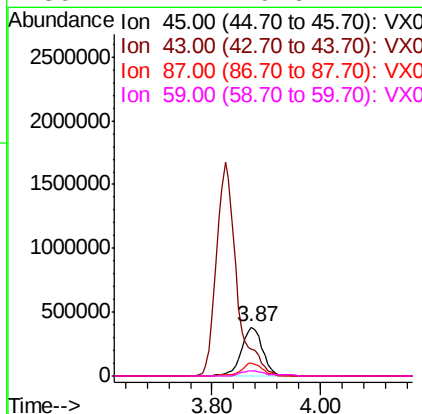
RT: 3.87 min Scan# 446

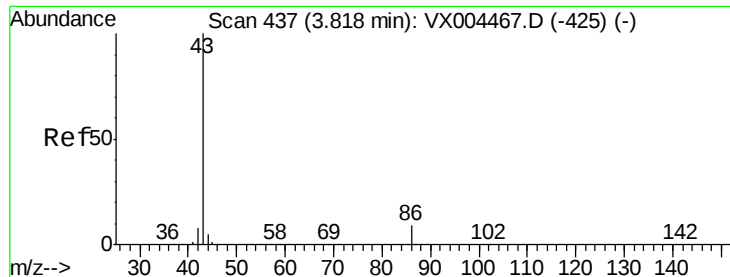
Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Tgt Ion:	45	Resp:	1034471
Ion	Ratio	Lower	Upper
45	100		
43	56.3	42.8	64.2
87	25.5	22.6	34.0
59	11.1	9.6	14.4





#23

Vinyl Acetate

Concen: 488.14 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4332327

Ion Ratio Lower Upper

43 100

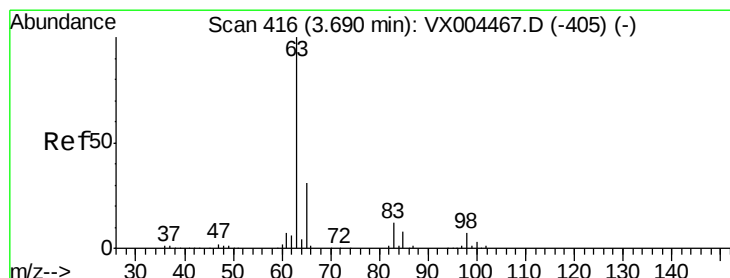
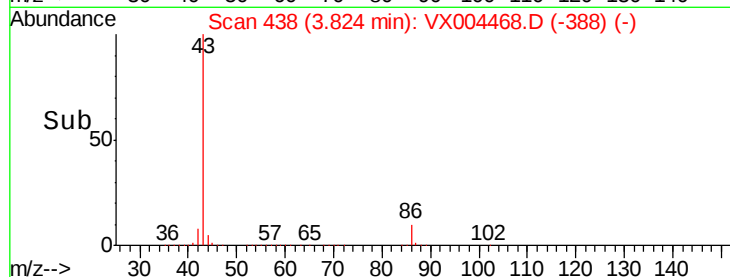
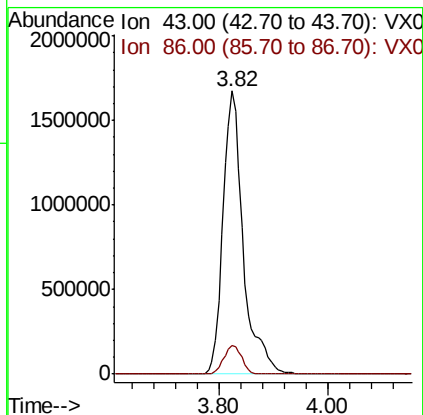
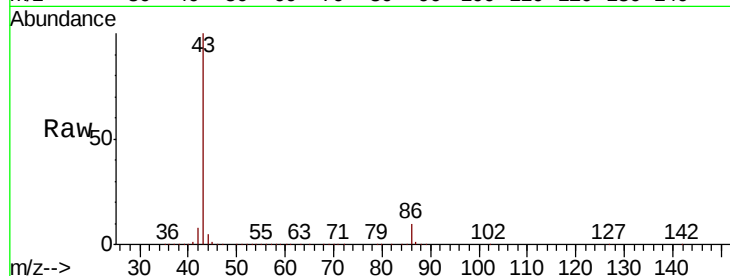
86 10.2 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 89.65 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

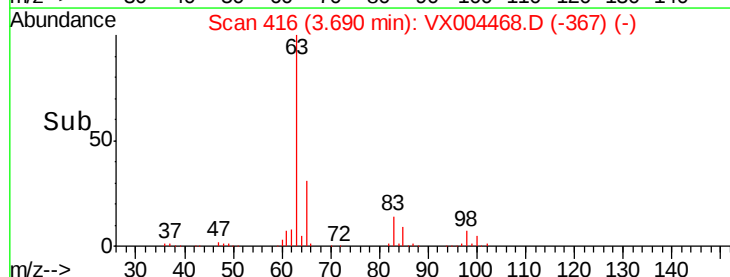
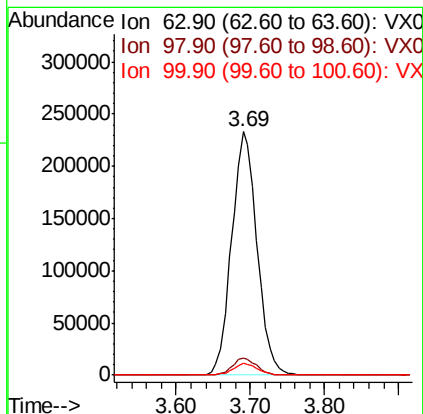
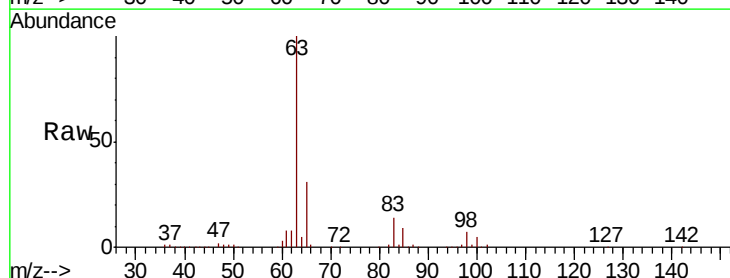
Tgt Ion: 63 Resp: 555092

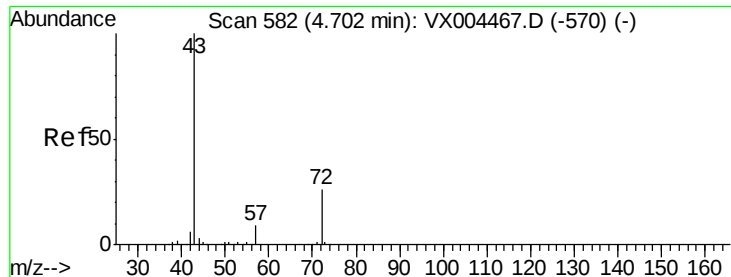
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 446.10 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1266545

Ion Ratio Lower Upper

43 100

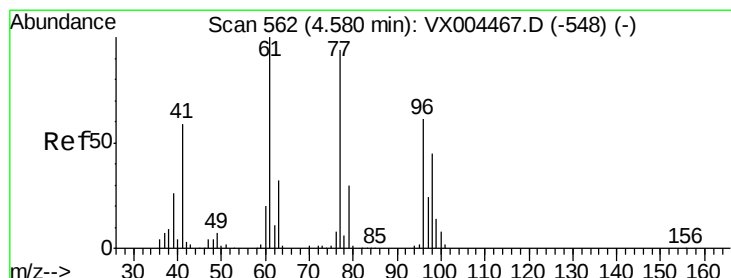
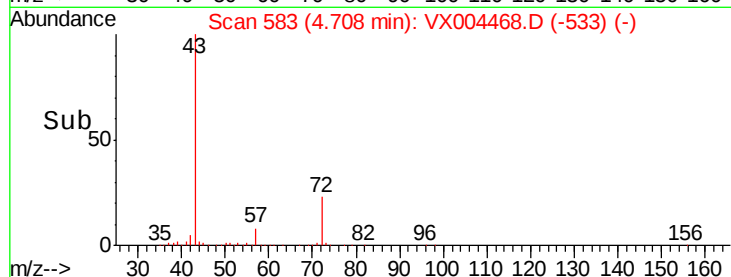
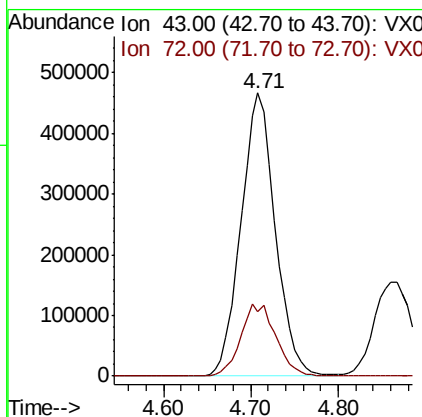
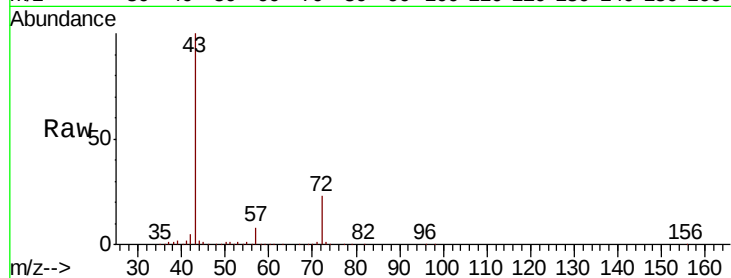
72 22.6 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 92.15 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX004468.D

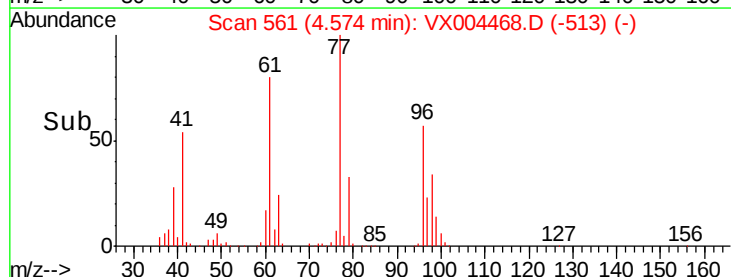
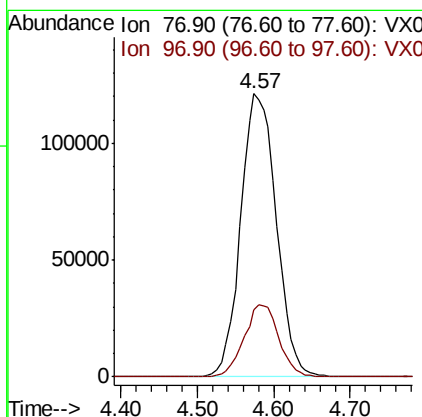
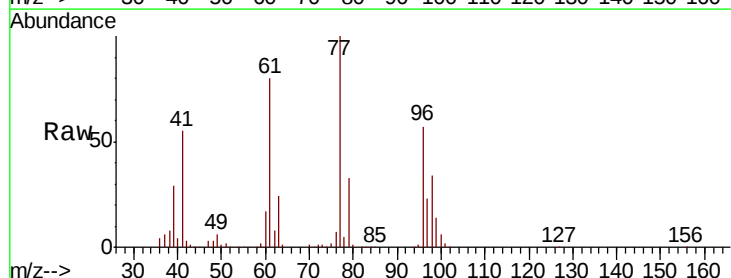
Acq: 11 Sep 2018 14:20

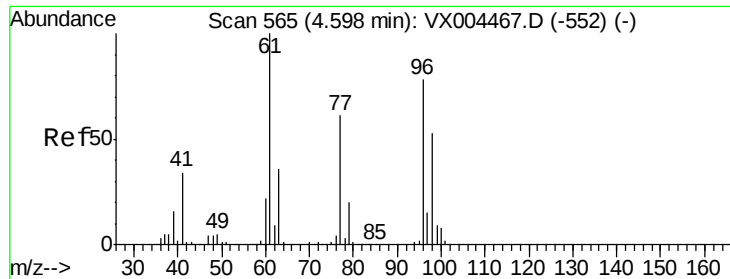
Tgt Ion: 77 Resp: 391908

Ion Ratio Lower Upper

77 100

97 24.9 11.7 35.0





#27

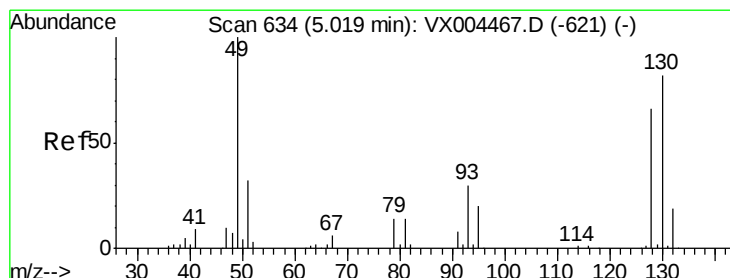
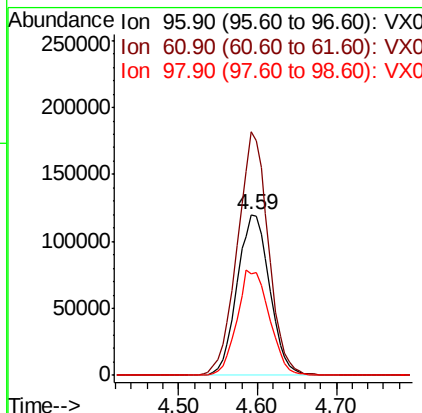
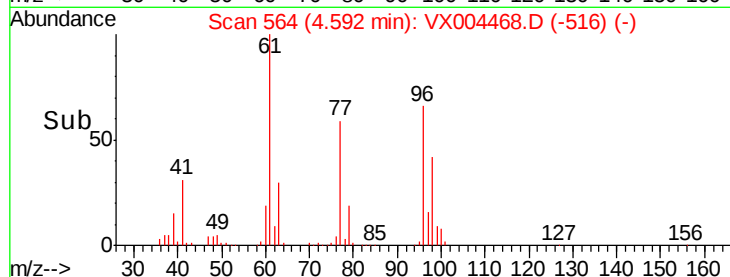
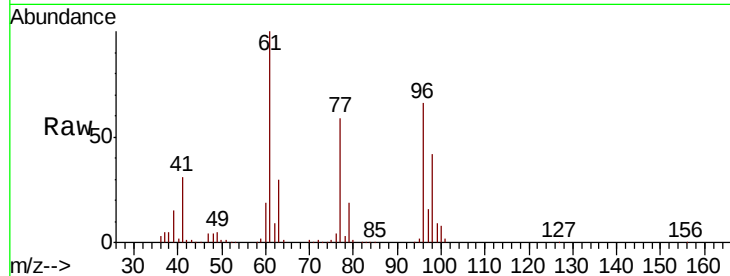
cis-1,2-Dichloroethene
 Concen: 94.14 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	343963		
61	145.1		0.0	282.6
98	65.4		0.0	130.2

Manual Integrations
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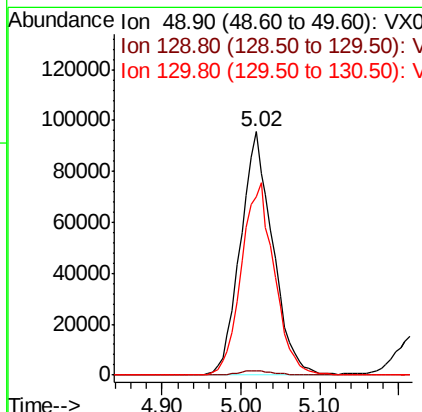
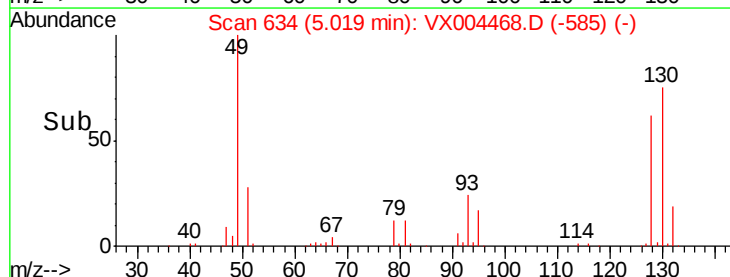
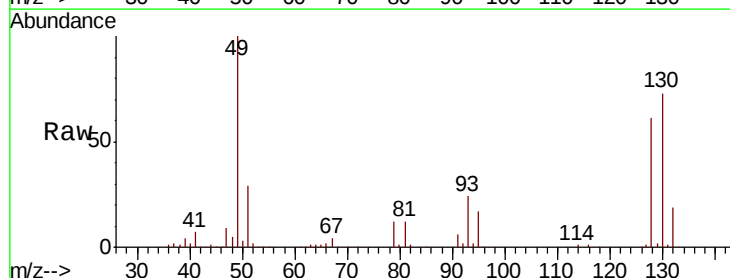
MMDadoda
 9/12/2018 11:26:23 AM

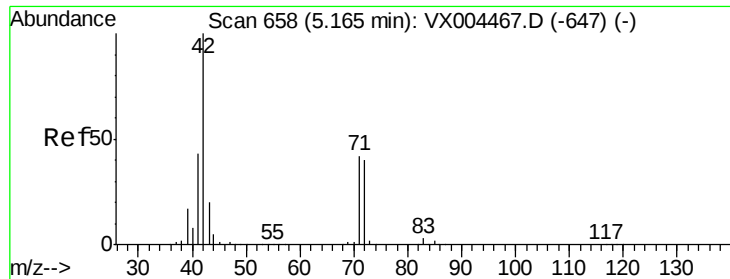


#28

Bromochloromethane
 Concen: 96.20 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	272475		
129	1.9		0.0	4.2
130	80.7		67.5	101.3





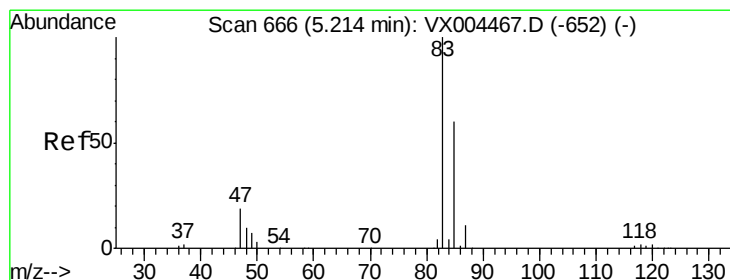
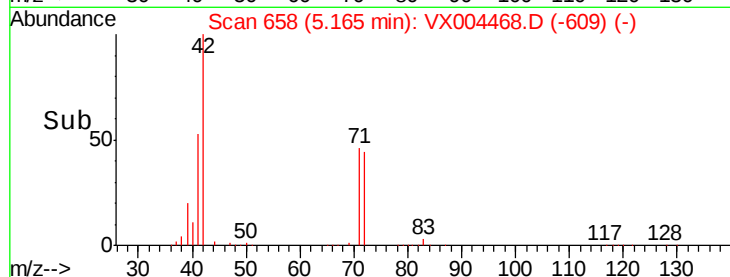
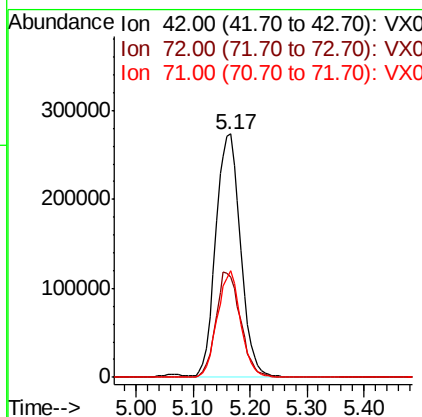
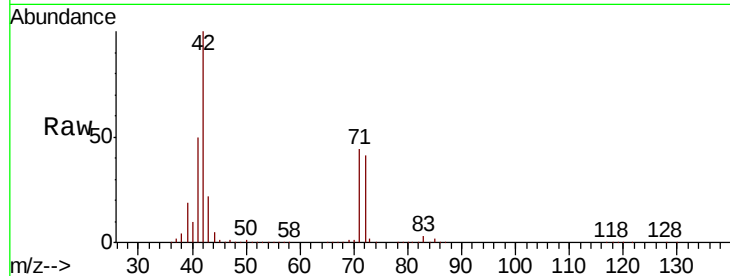
#29
Tetrahydrofuran
Concen: 484.10 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	37.4	56.0
71	41.2	34.5	51.7

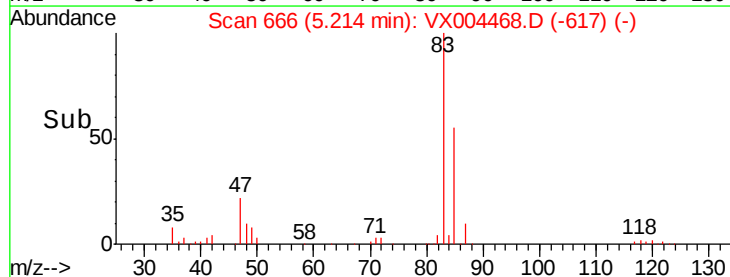
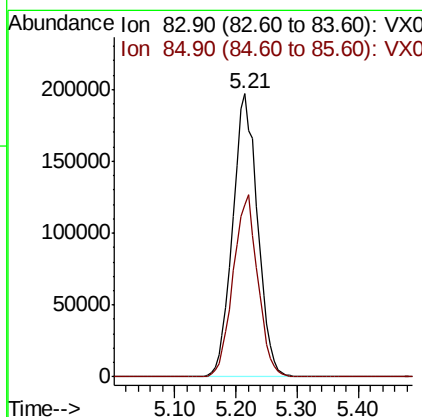
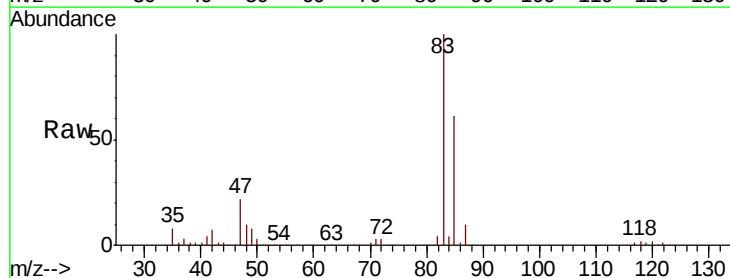
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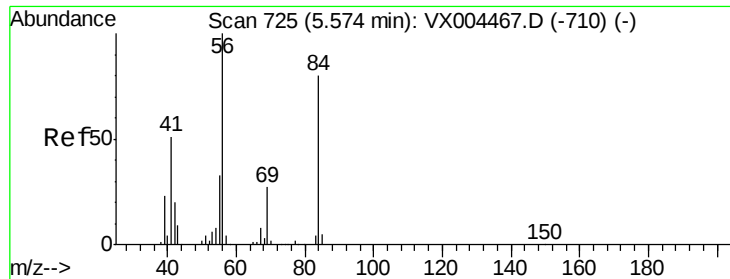
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#30
Chloroform
Concen: 91.10 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	52.6	79.0





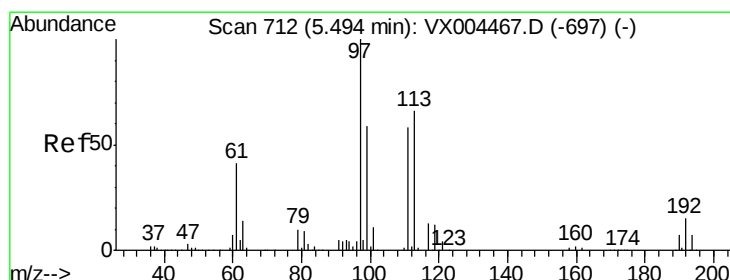
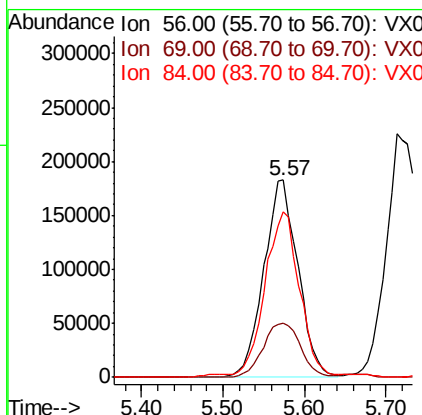
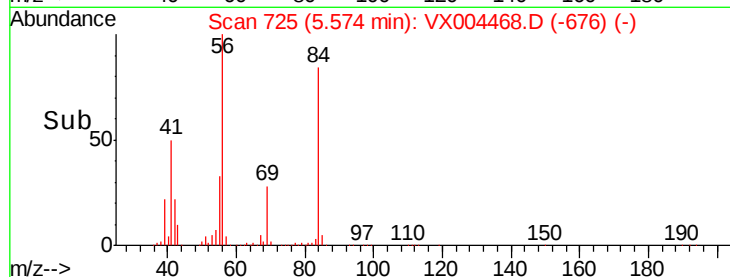
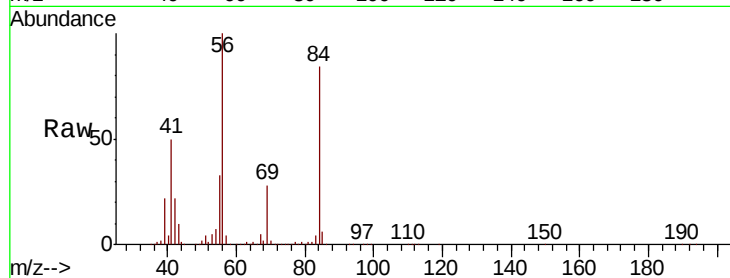
#31
Cyclohexane
Concen: 100.54 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.8	25.4	38.2
84	83.6	71.4	107.2

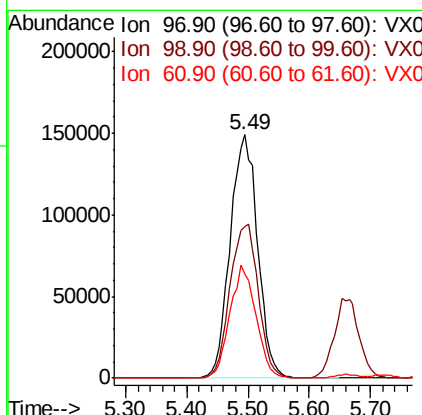
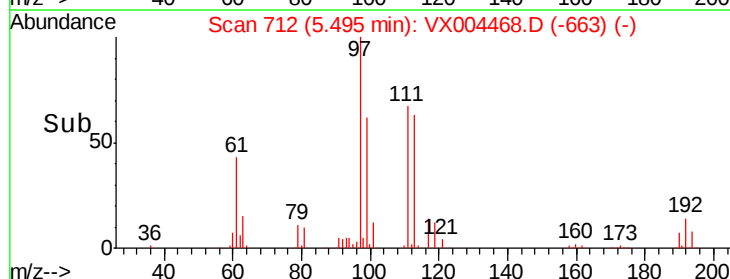
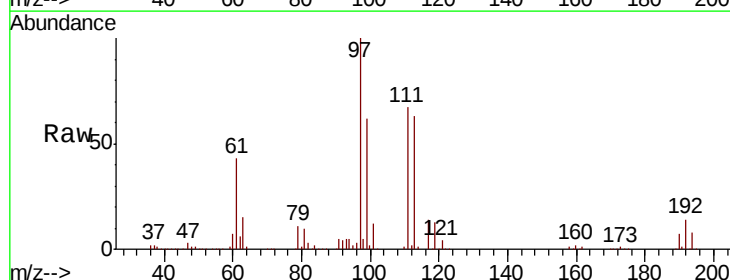
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 94.13 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	44.2	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 88.14 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 65 Resp: 322145

Ion Ratio Lower Upper

65 100

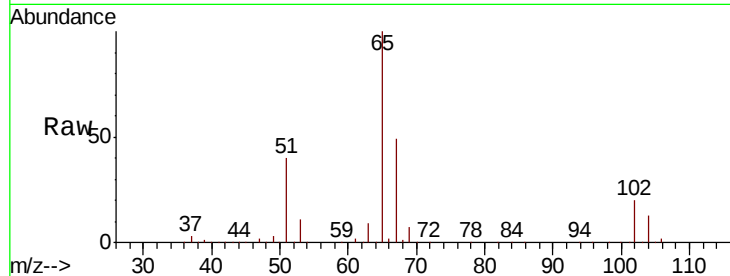
67 53.8 0.0 106.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

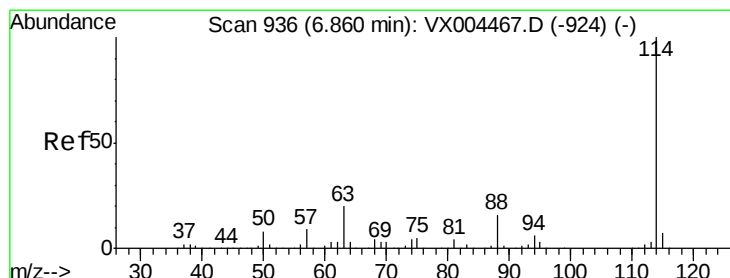
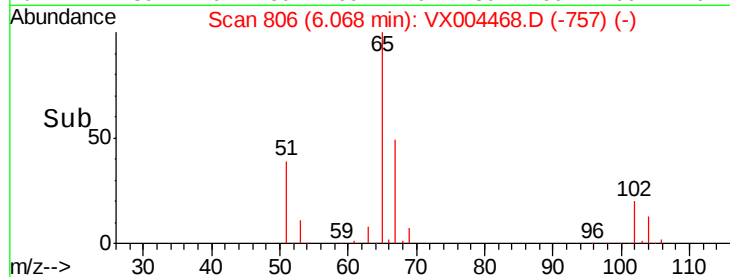
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

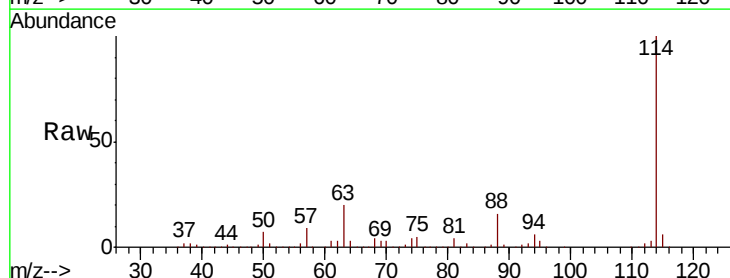
Tgt Ion: 114 Resp: 354928

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

88 15.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

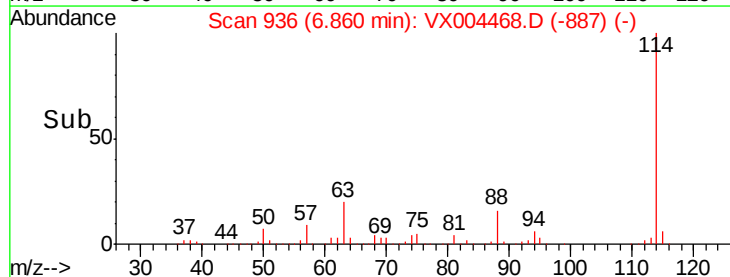
150000

100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 94.84 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

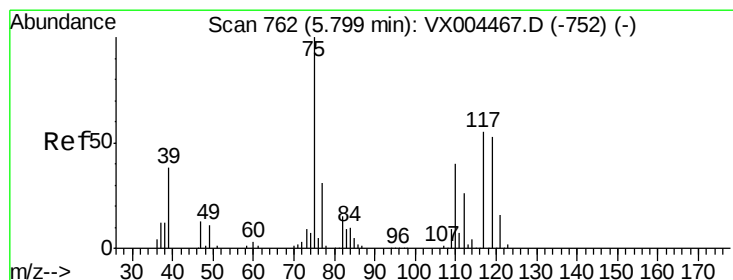
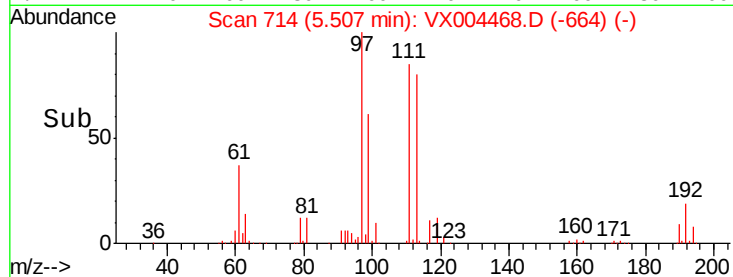
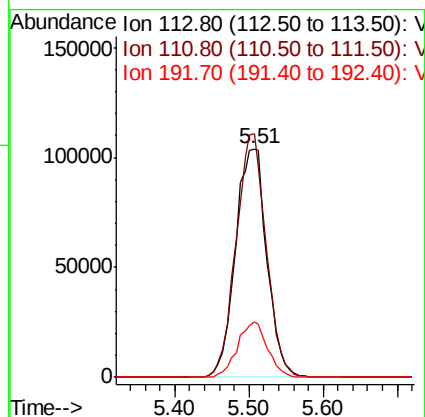
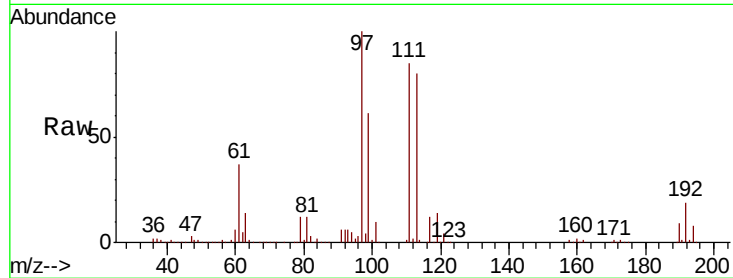
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	308031
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.4	123.6
192	23.2	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 96.04 ug/l

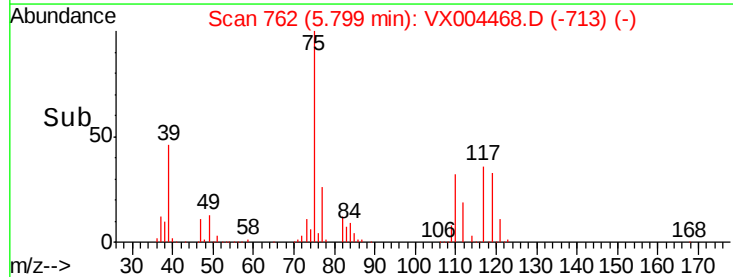
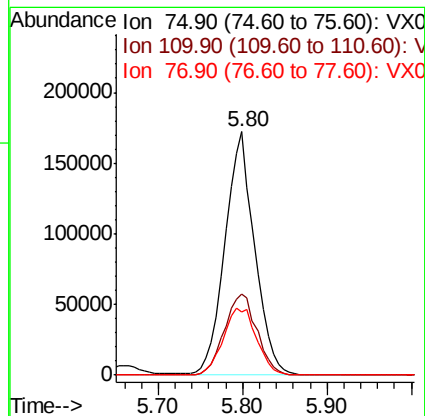
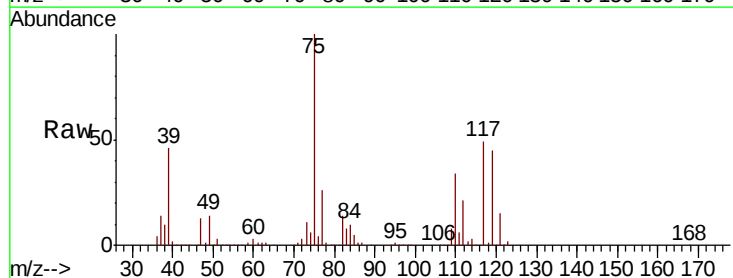
RT: 5.80 min Scan# 762

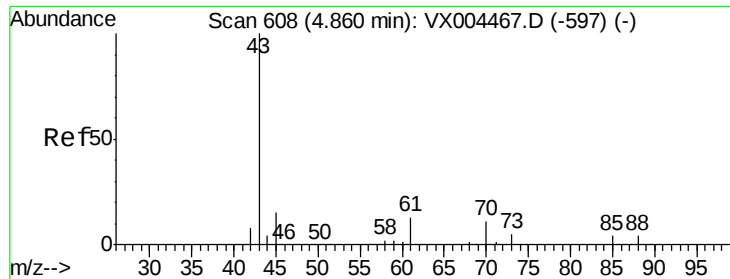
Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Tgt Ion:	75	Resp:	413856
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.0	54.0
77	30.9	24.6	36.8





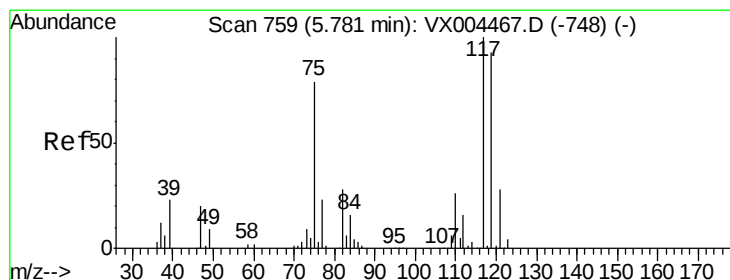
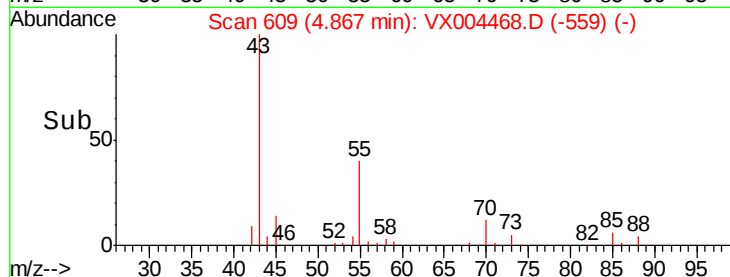
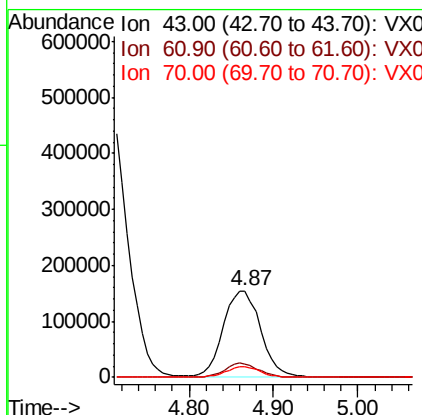
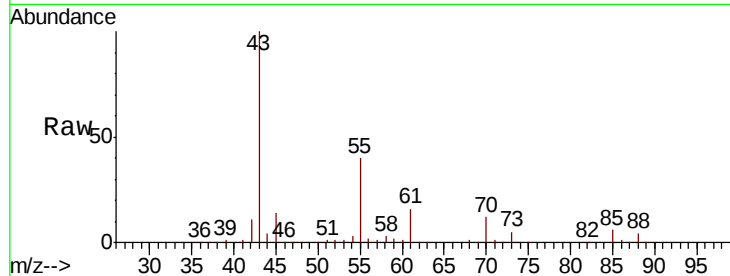
#37
Ethyl Acetate
Concen: 95.31 ug/l
RT: 4.87 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	11.2	9.0	13.6

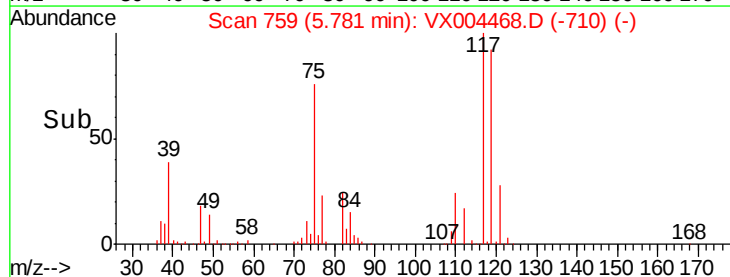
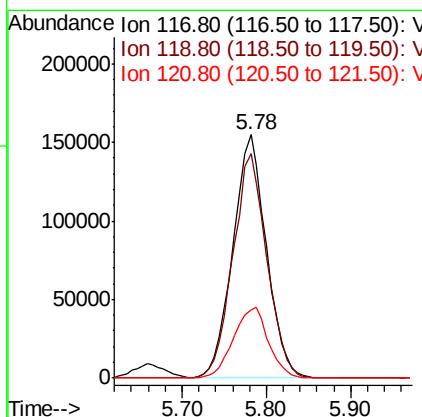
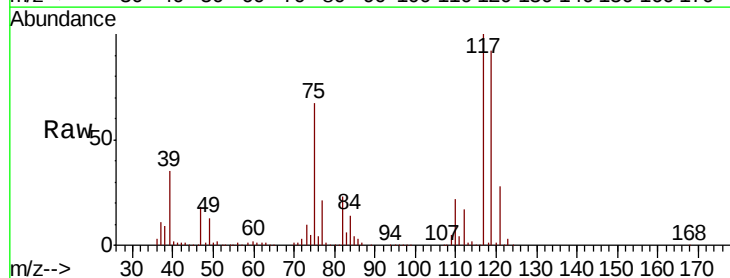
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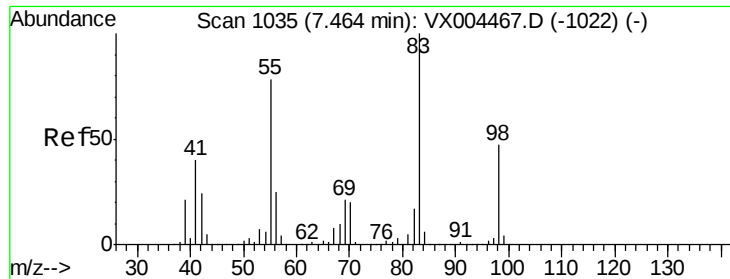
MMDadoda
9/12/2018 11:26:23 AM



#38
Carbon Tetrachloride
Concen: 98.52 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	78.8	118.2
121	28.0	24.9	37.3





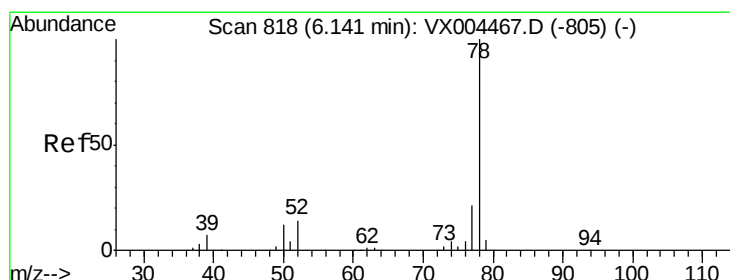
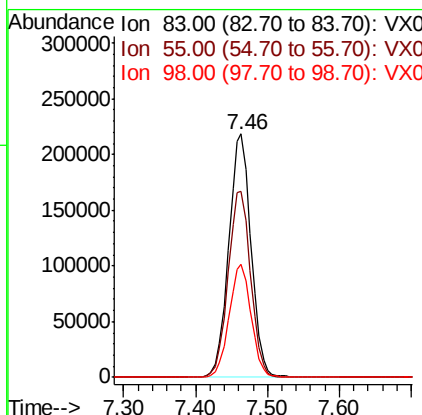
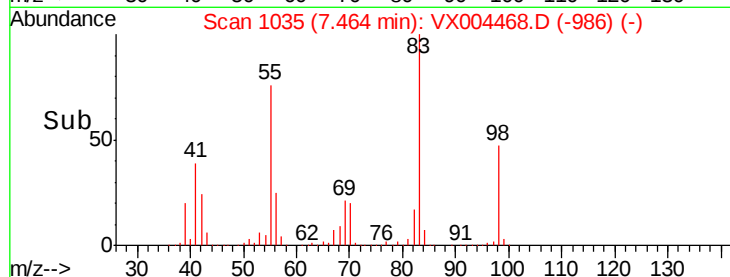
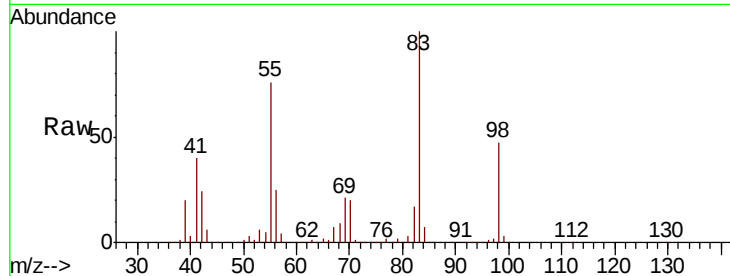
#39
Methvlcvclohexane
Concen: 104.49 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	469869		
55	76.3		61.0	91.4
98	46.6		39.6	59.4

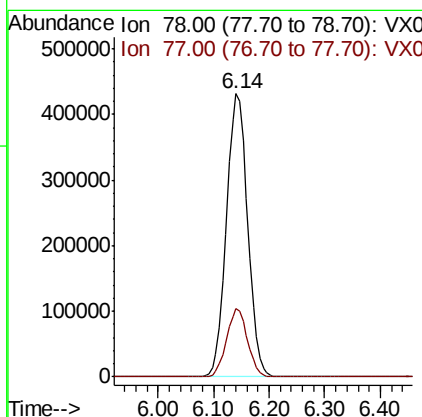
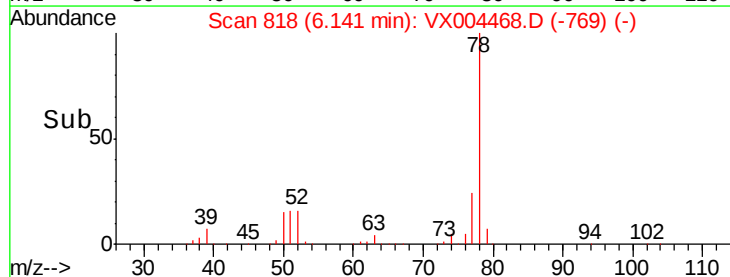
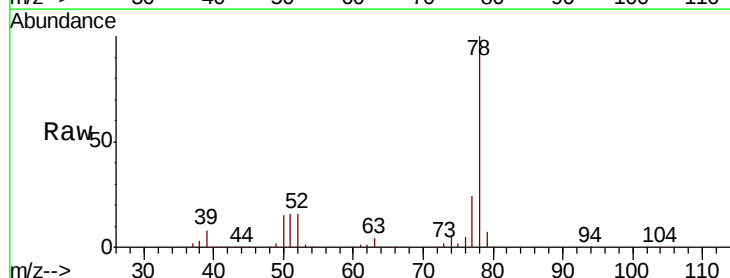
Manual Integrations
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#40
Benzene
Concen: 88.97 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1137549		
77	24.1		19.0	28.4





#41

Methacrylonitrile

Concen: 99.33 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

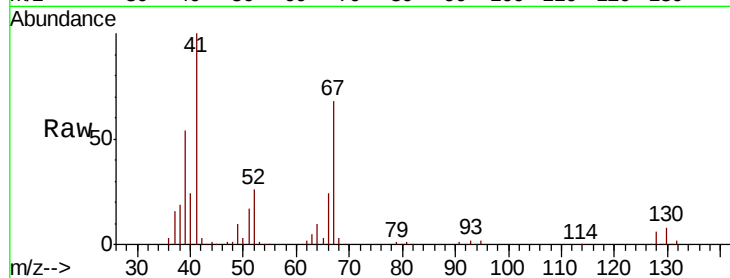
VSTDIC100

Tot Ion: 41 Resp: 268222

Ion	Ratio	Lower	Upper
41	100		
39	51.7	42.4	63.6
67	72.7	59.2	88.8
52	28.0	23.0	34.4

Manual Integrations
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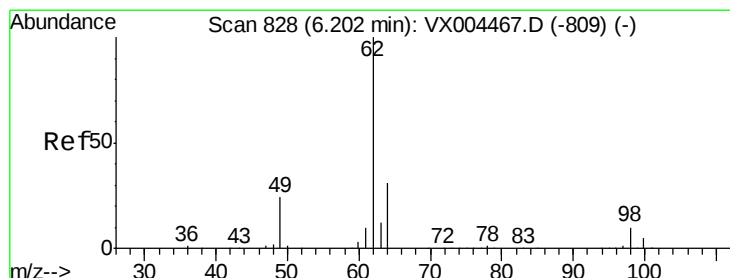
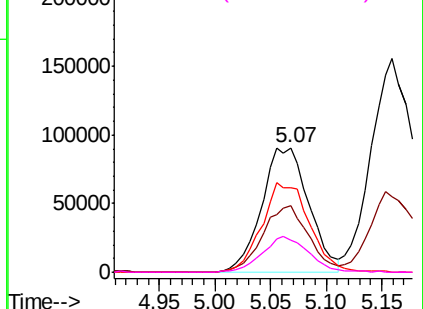
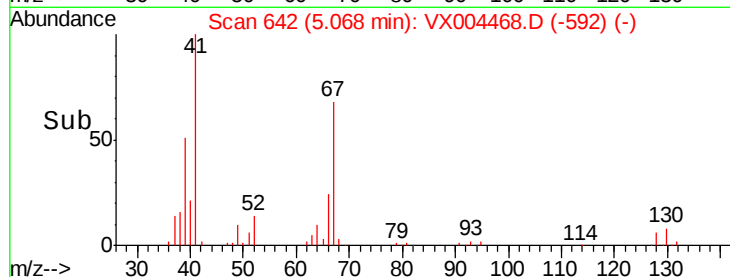


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 87.72 ug/l

RT: 6.20 min Scan# 827

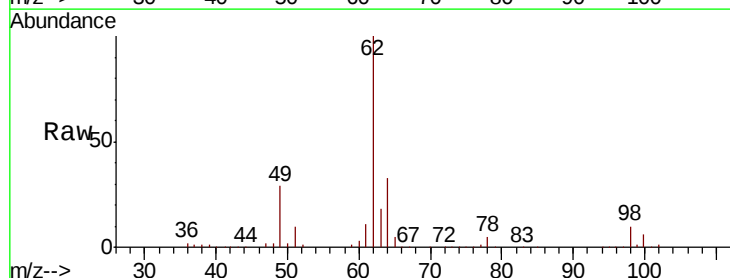
Delta R.T. -0.01 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

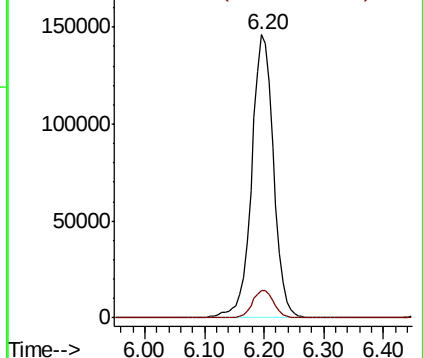
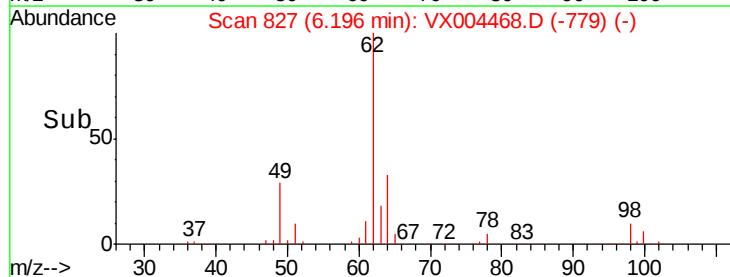
Tgt Ion: 62 Resp: 371946

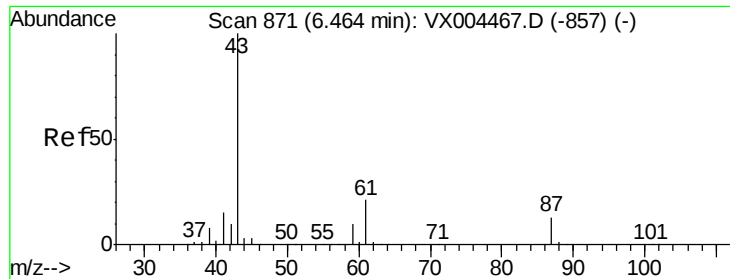
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

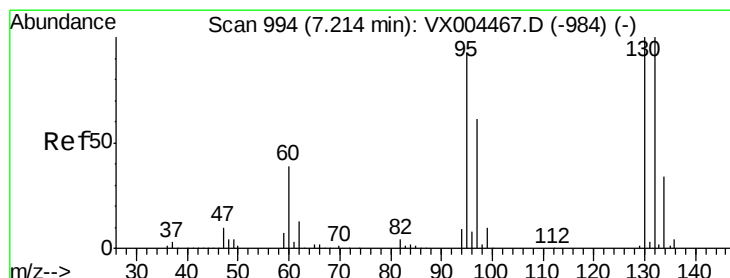
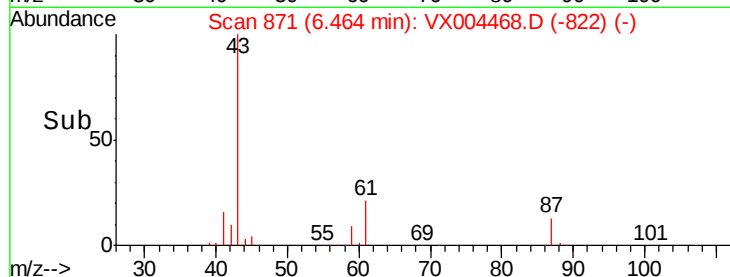
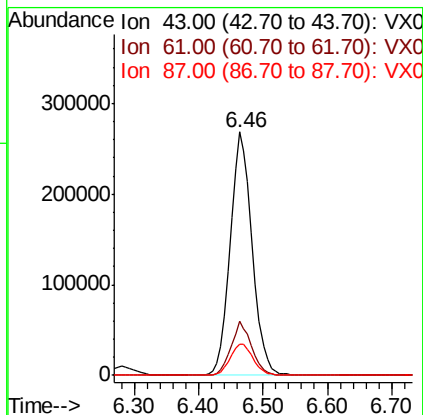
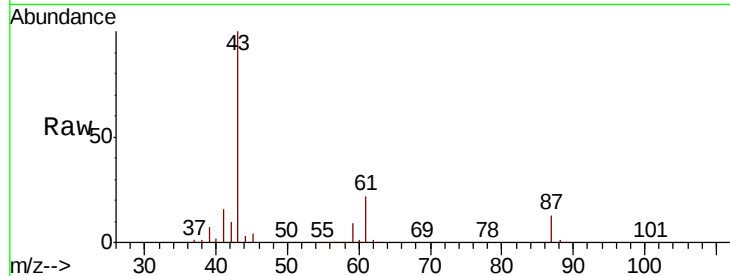
Isopropyl Acetate
 Concen: 98.10 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.0	25.4
87	13.5	11.4	17.2

Manual Integrations
 APPROVED

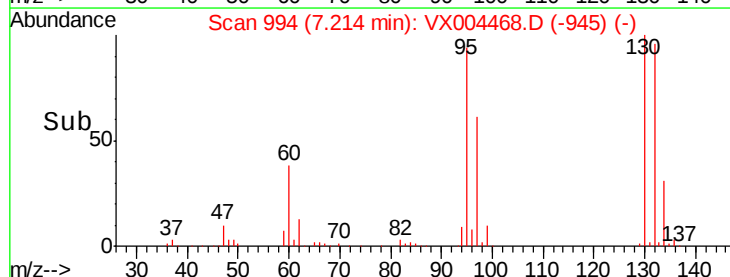
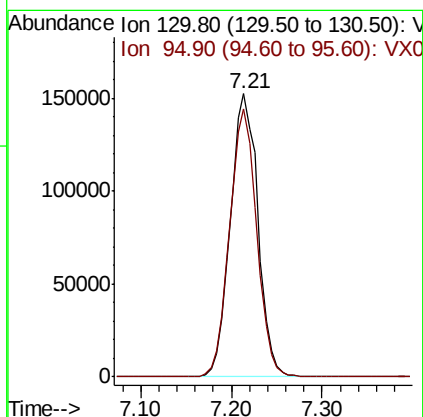
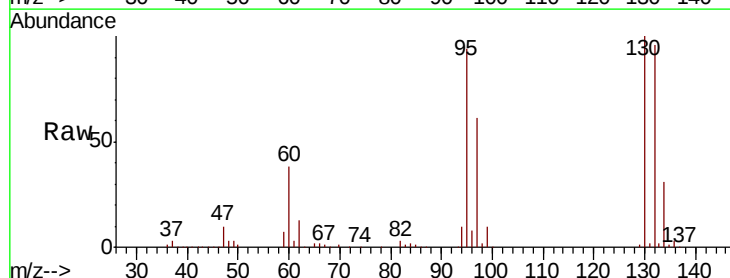
MMDadoda
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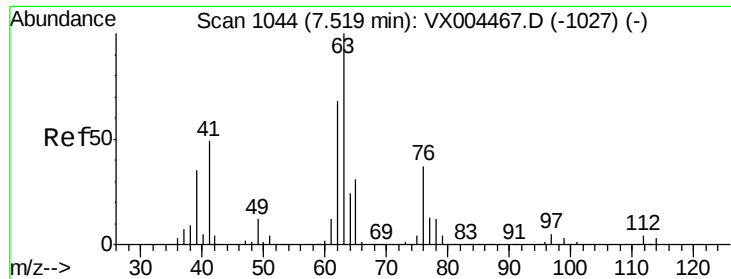


#44

Trichloroethene
 Concen: 96.87 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	181.6





#45

1,2-Dichloropropane

Concen: 97.16 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 298892

Ion Ratio Lower Upper

63 100

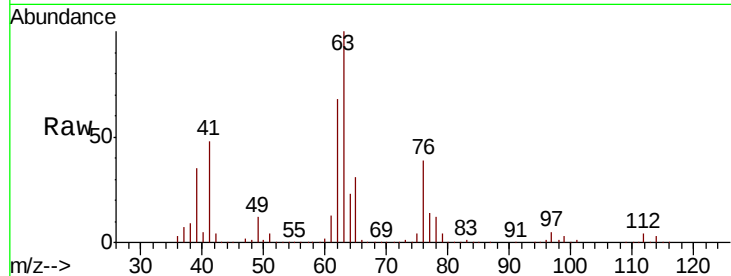
65 31.1 24.3 36.5

Manual Integrations

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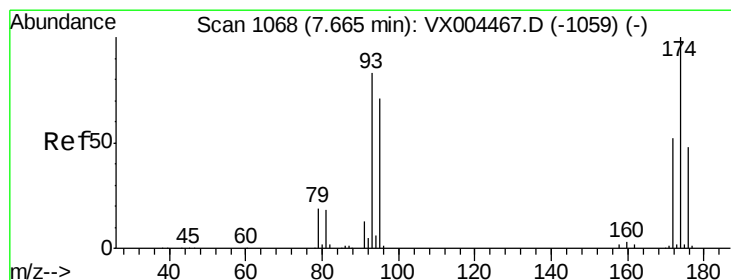
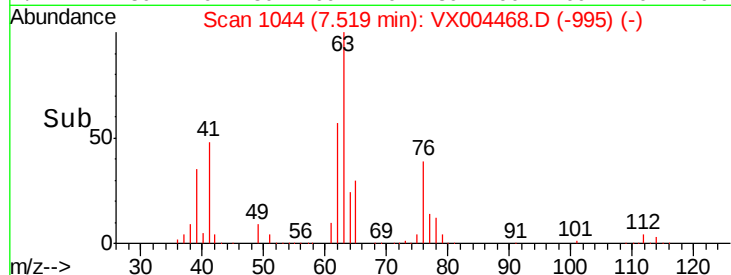
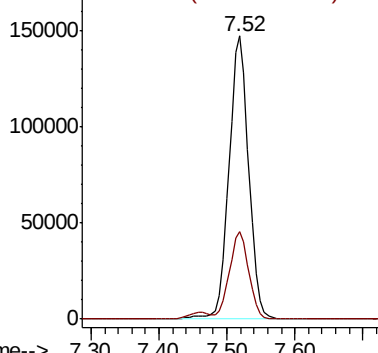
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 96.11 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

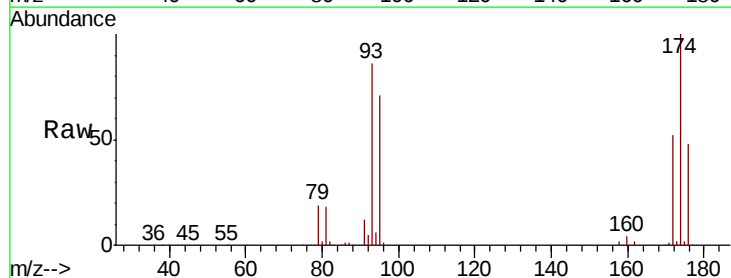
Tgt Ion: 93 Resp: 186783

Ion Ratio Lower Upper

93 100

95 83.5 65.5 98.3

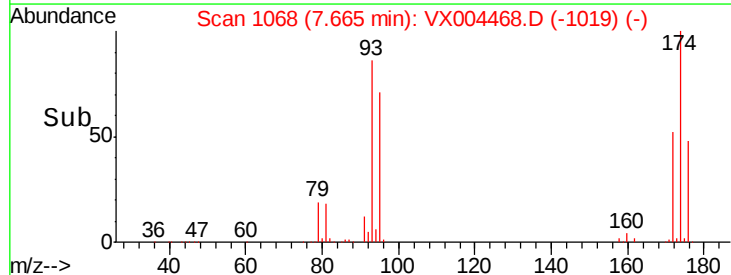
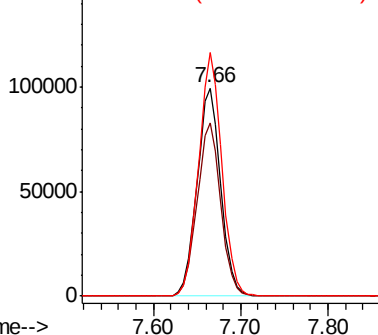
174 115.6 94.2 141.4

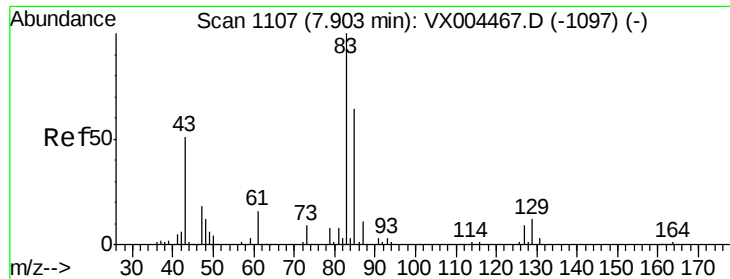


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





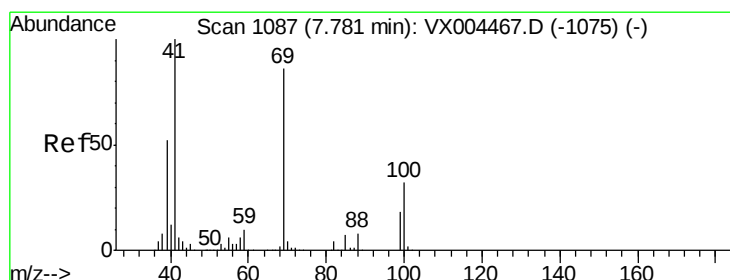
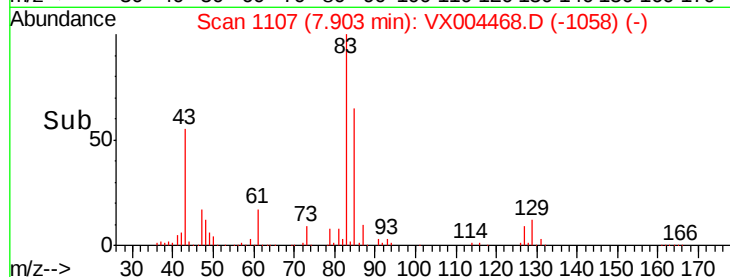
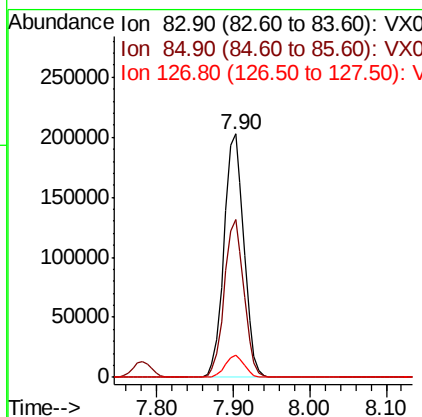
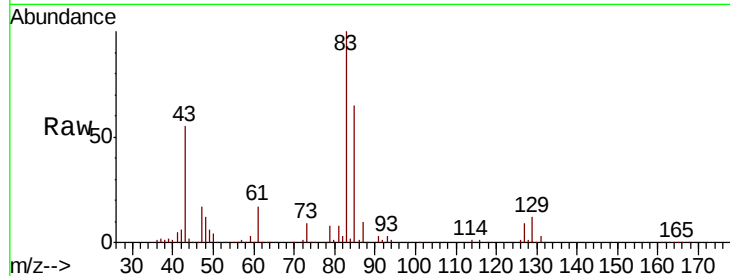
#47
Bromodichloromethane
Concen: 98.84 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	363282		
85	64.8	50.9	76.3	
127	9.3	7.3	10.9	

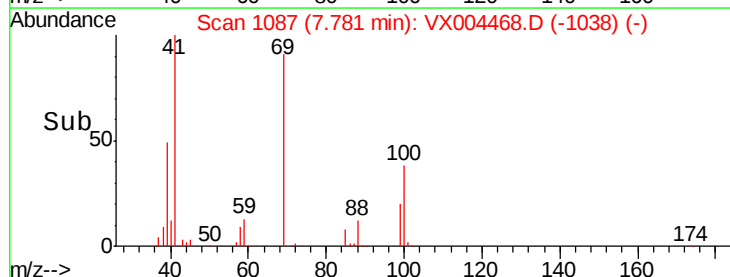
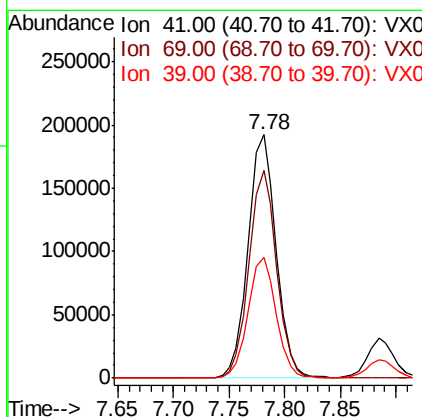
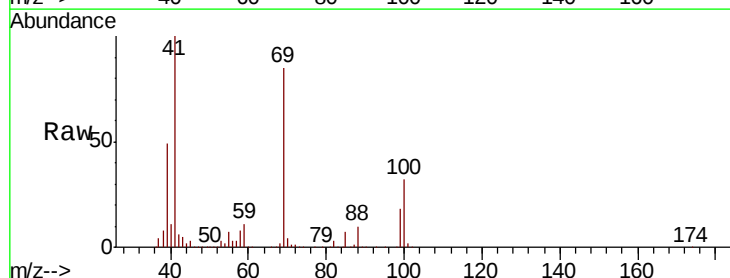
Manual Integrations
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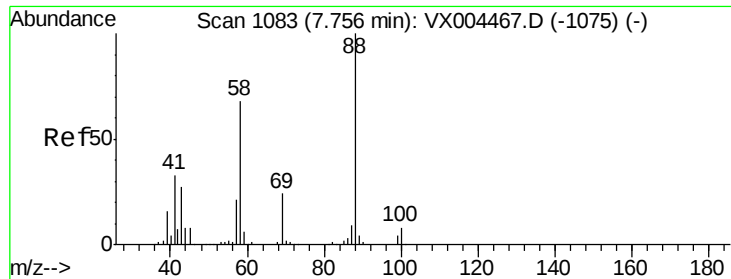
MMDadoda
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#48
Methyl methacrylate
Concen: 104.50 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	336631		
69	85.3	70.2	105.4	
39	50.0	42.7	64.1	





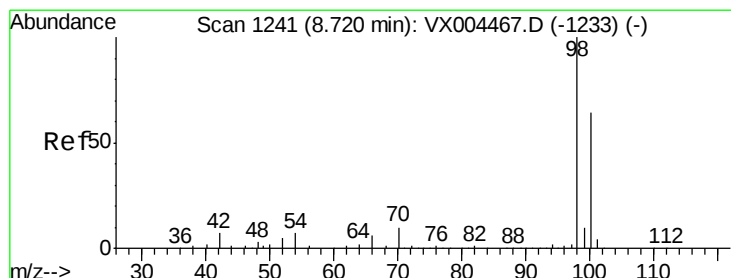
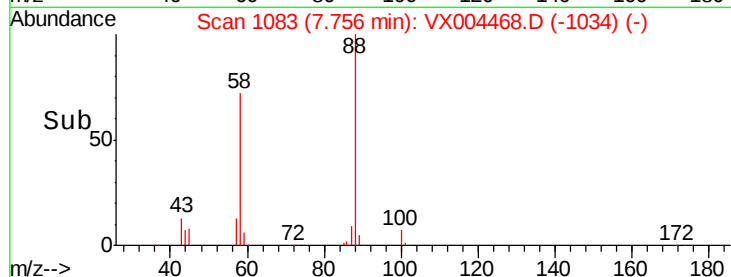
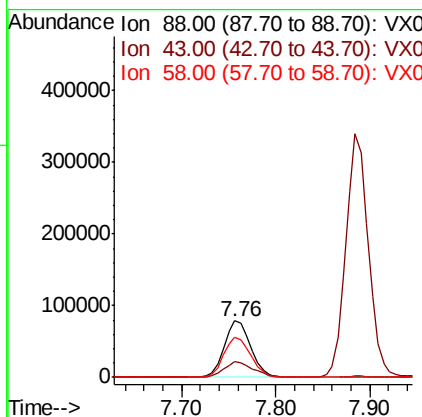
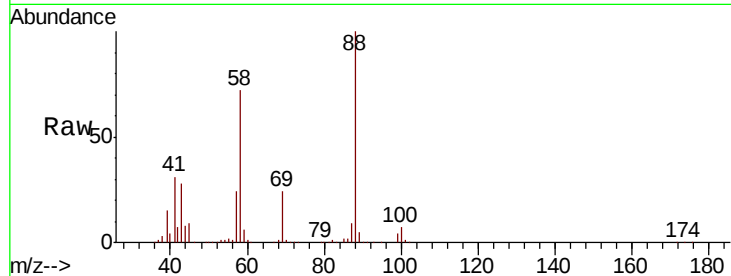
#49
1,4-Dioxane
Concen: 1999.09 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	88	Resp	152420
Ion	Ratio	Lower	Upper
88	100		
43	30.5	24.7	37.1
58	72.4	55.3	82.9

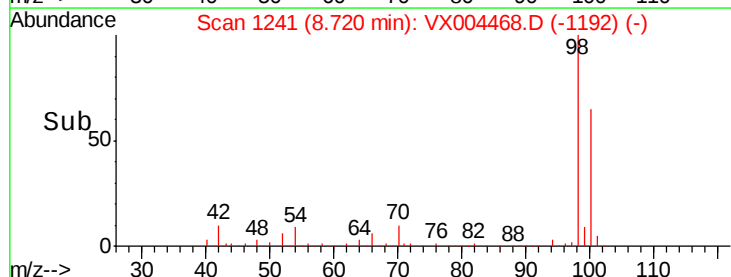
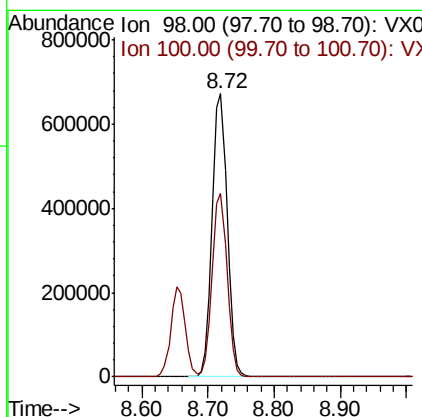
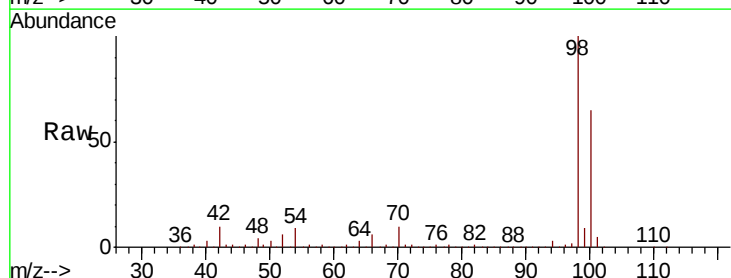
Manual Integrations
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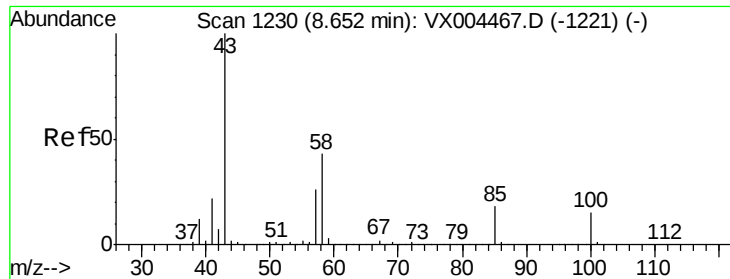
MMDadoda
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#50
Toluene-d8
Concen: 97.24 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion	98	Resp	1059137
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 472.13 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2168757

Ion Ratio Lower Upper

43 100

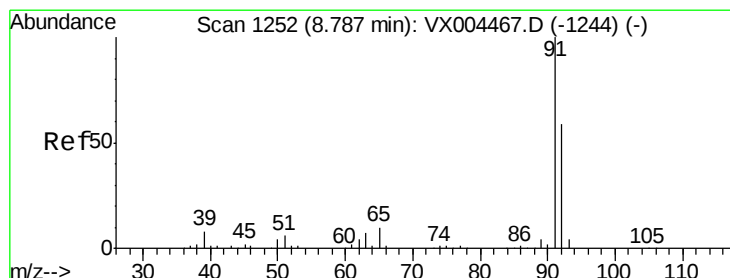
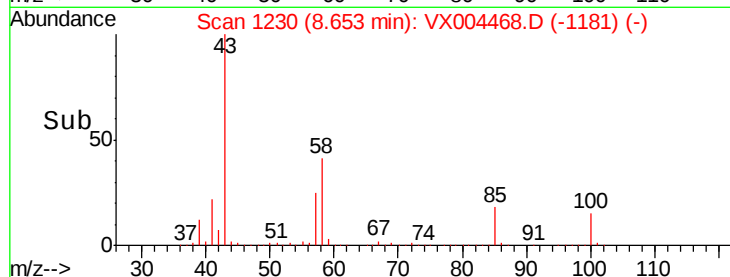
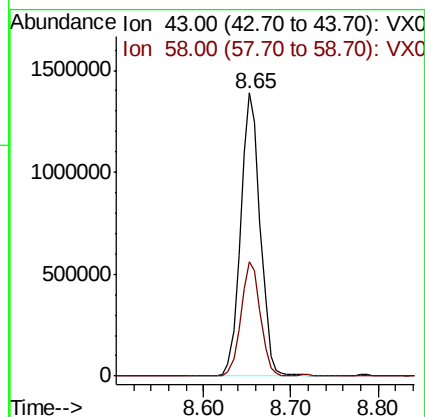
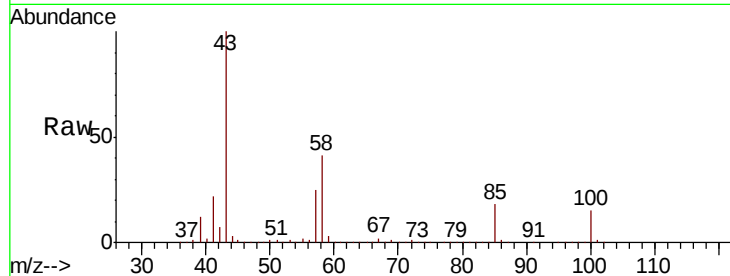
58 40.0 33.1 49.7

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MMDadoda

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#52

Toluene

Concen: 96.03 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004468.D

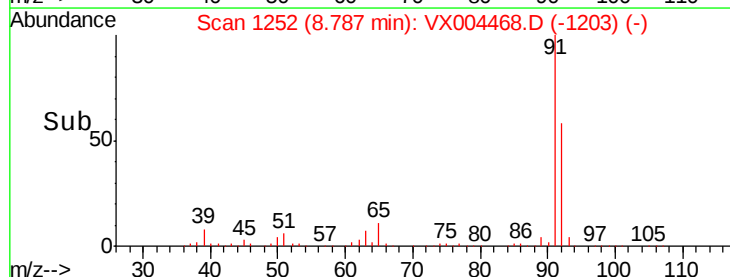
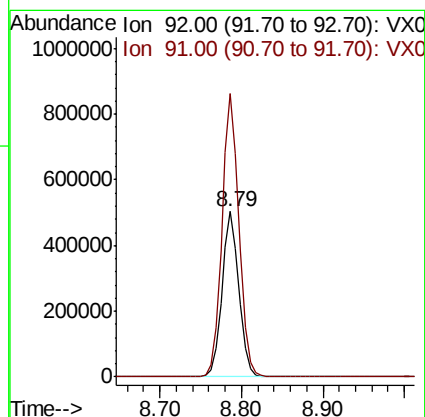
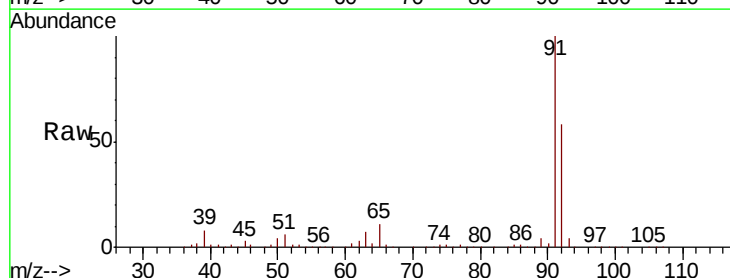
Acq: 11 Sep 2018 14:20

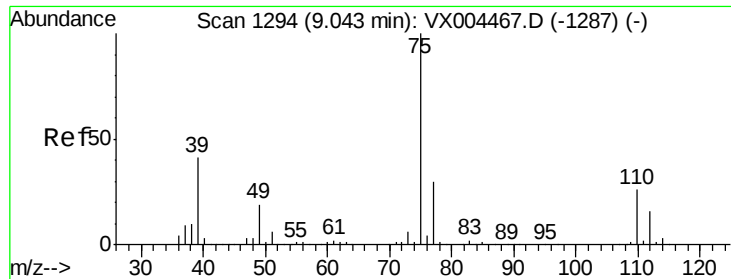
Tgt Ion: 92 Resp: 723379

Ion Ratio Lower Upper

92 100

91 172.7 136.4 204.6





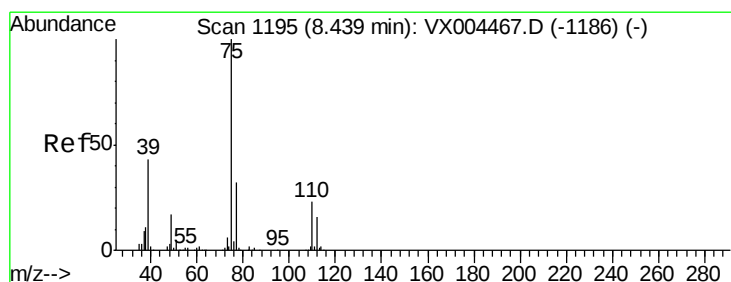
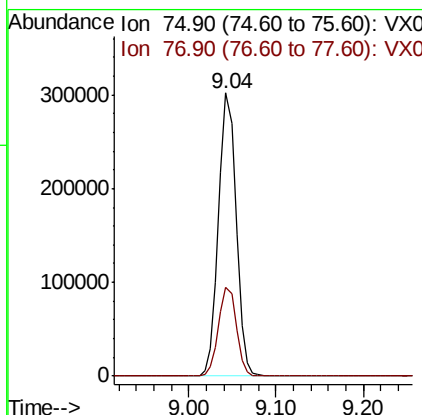
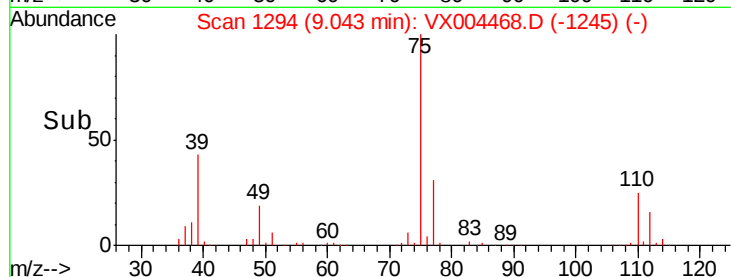
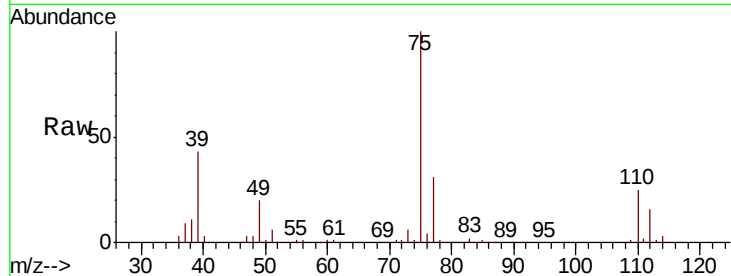
#53
t-1,3-Dichloropropene
Concen: 98.02 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 420825
Ion Ratio Lower Upper
75 100
77 31.5 24.6 37.0

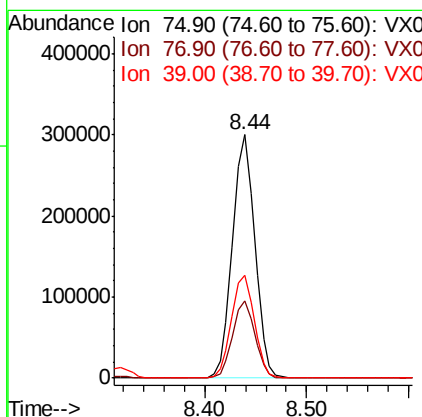
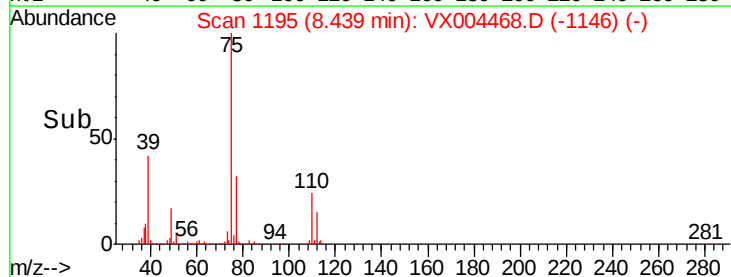
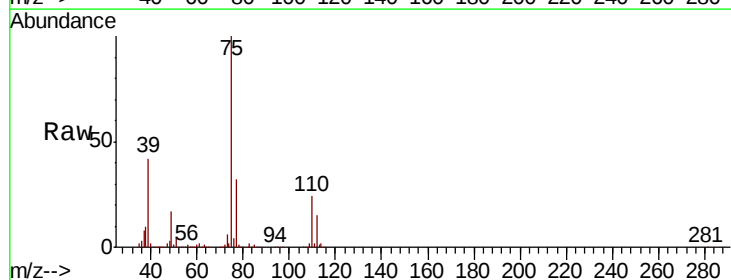
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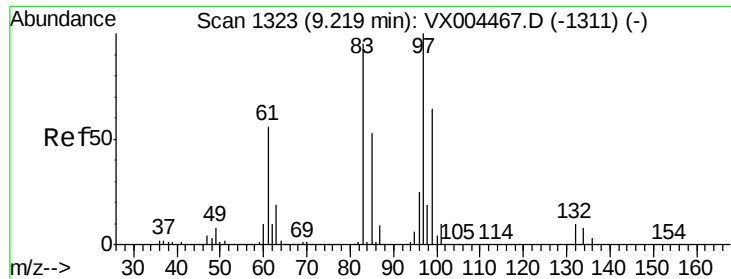
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 103.94 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion: 75 Resp: 454916
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2
39 42.3 36.4 54.6





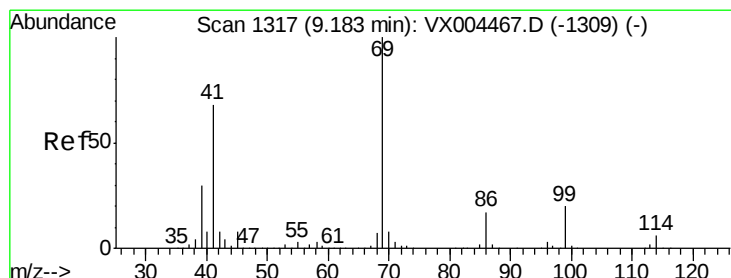
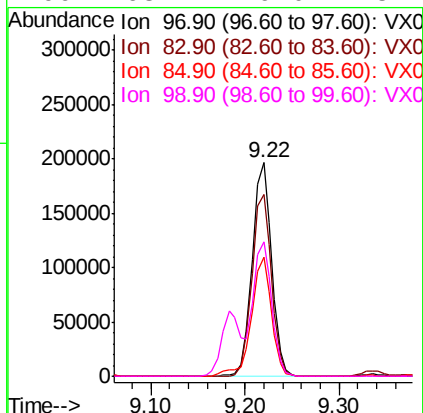
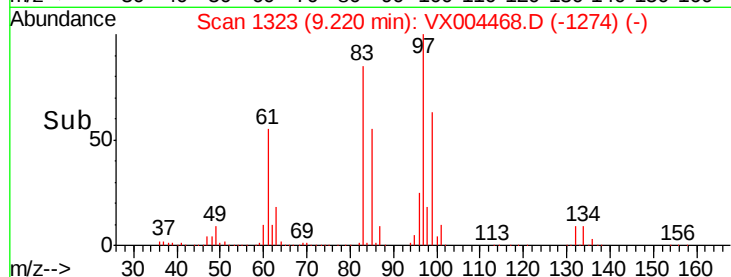
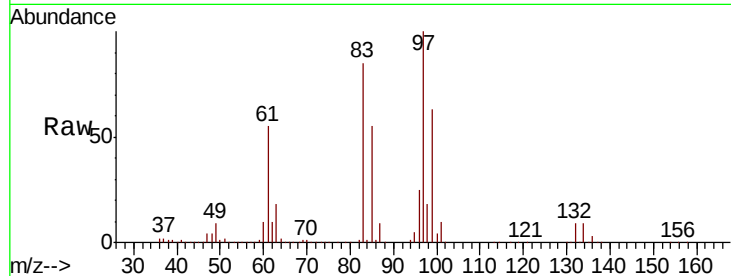
#55
1,1,2-Trichloroethane
Concen: 88.14 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	97	Resp:	285871
Ion Ratio	Lower	Upper	
97	100		
83	85.2	66.4	99.6
85	55.5	43.3	64.9
99	63.1	49.0	73.4

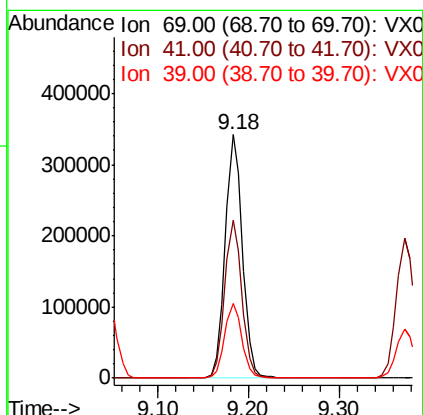
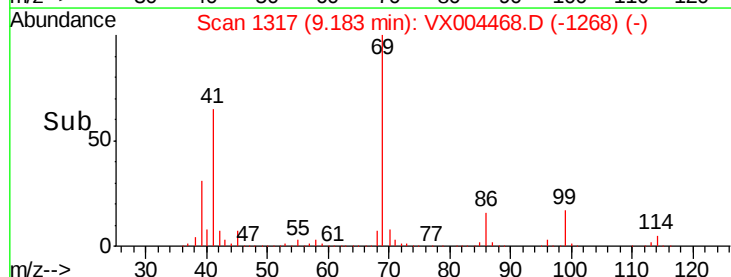
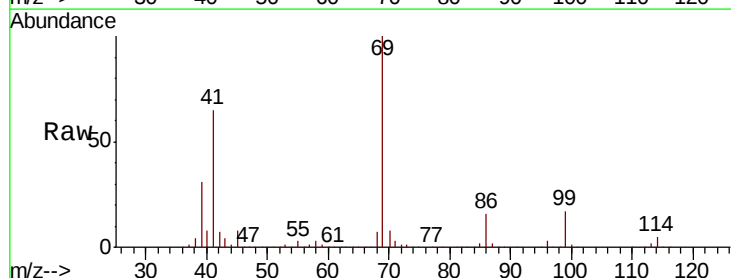
Manual Integrations
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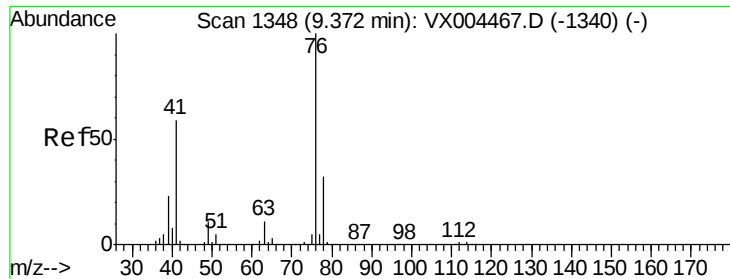
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#56
Ethyl methacrylate
Concen: 98.82 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion:	69	Resp:	453411
Ion Ratio	Lower	Upper	
69	100		
41	64.6	51.0	76.4
39	30.8	26.1	39.1





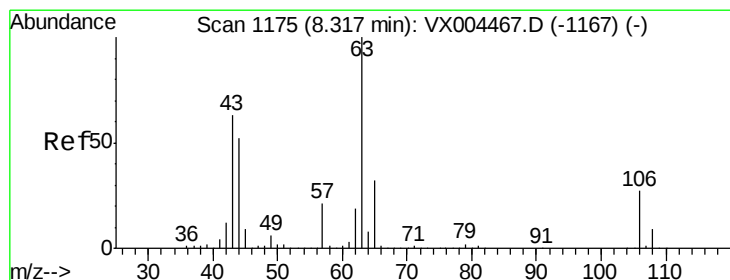
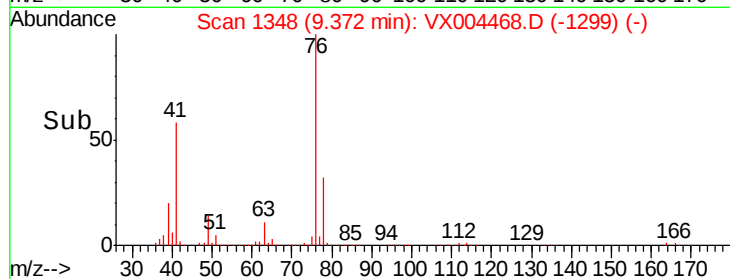
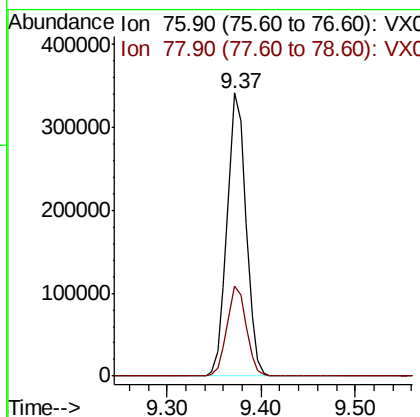
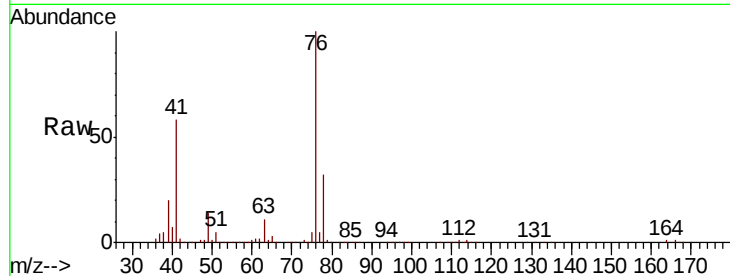
#57
 1,3-Dichloropropane
 Concen: 91.03 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Tot Ion: 76 Resp: 479713
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

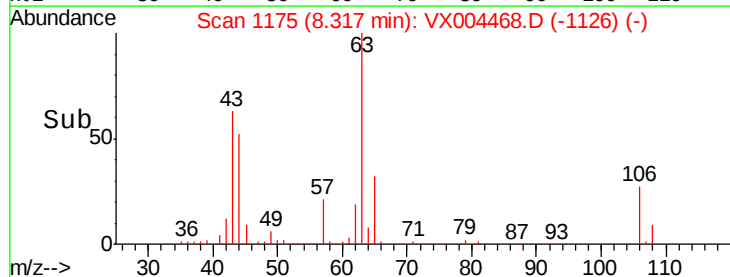
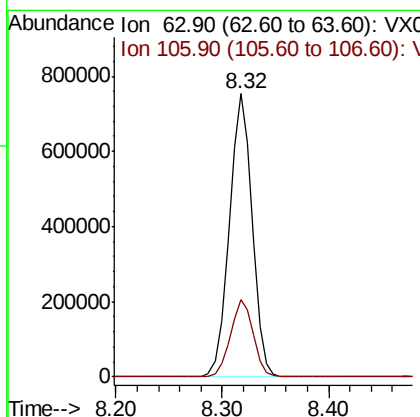
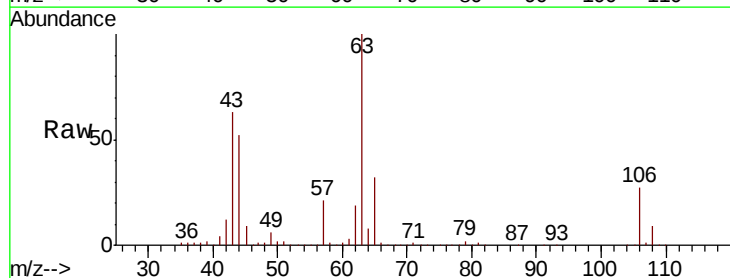
Manual Integrations
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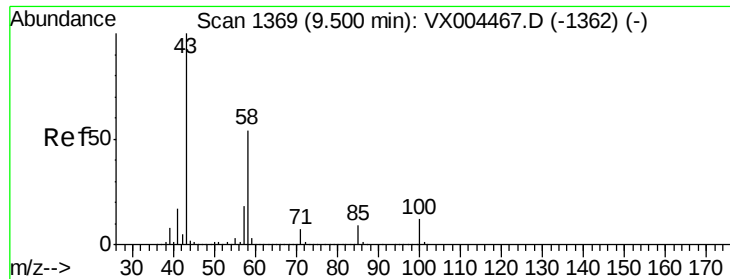
MMDadoda
 9/12/2018 11:26:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 536.61 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Tgt Ion: 63 Resp: 1129547
 Ion Ratio Lower Upper
 63 100
 106 27.3 23.9 35.9





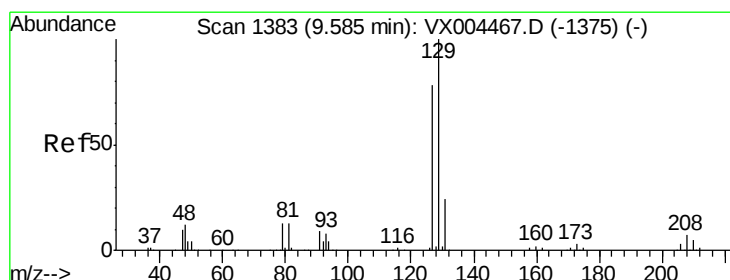
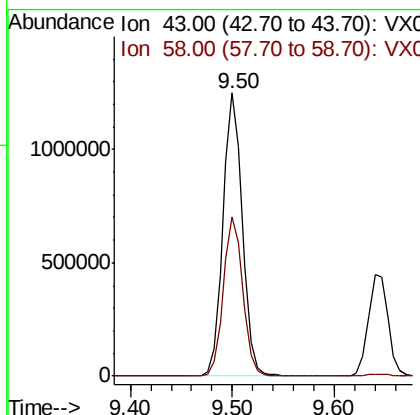
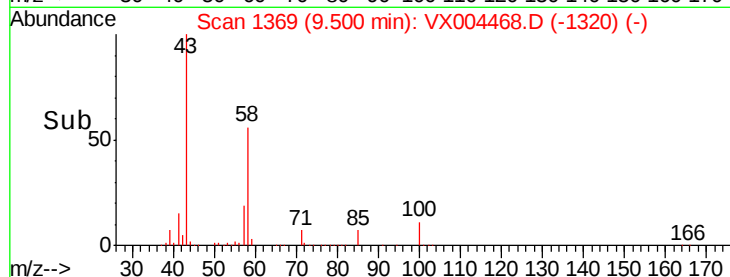
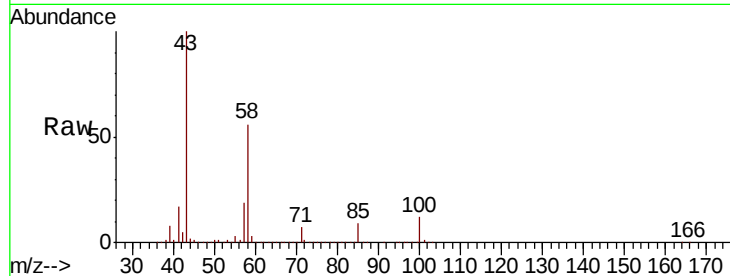
#59
2-Hexanone
Concen: 468.98 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1652434
Ion Ratio Lower Upper
43 100
58 56.5 29.0 87.0

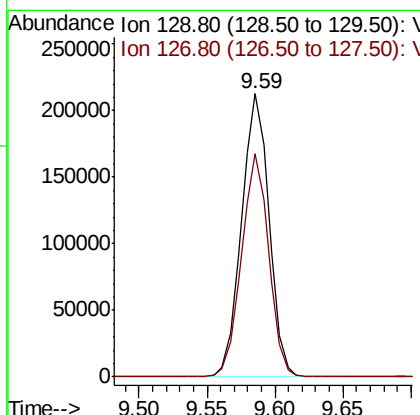
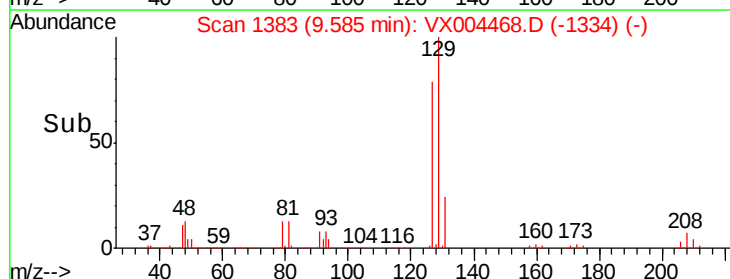
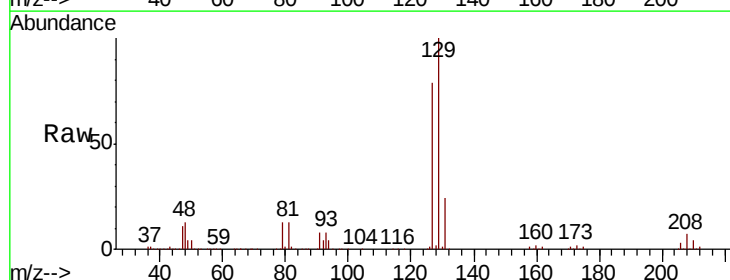
Manual Integrations
APPROVED

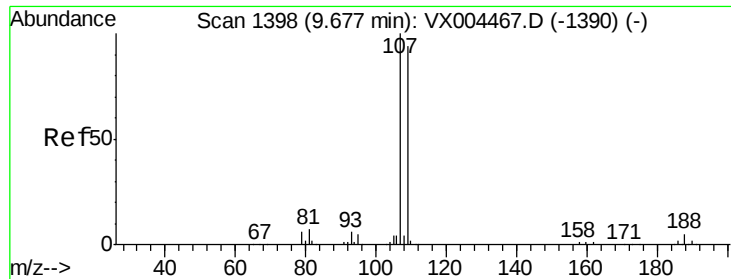
MMDadoda
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#60
Dibromochloromethane
Concen: 98.44 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion: 129 Resp: 300572
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 96.31 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 298402

Ion Ratio Lower Upper

107 100

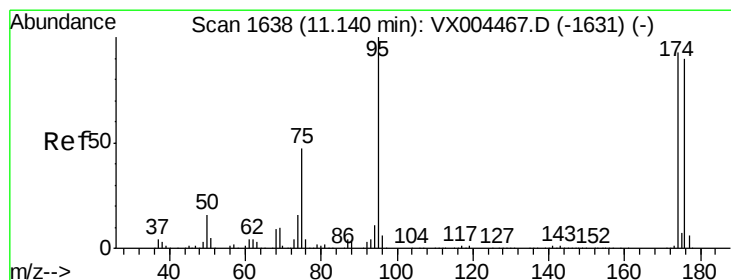
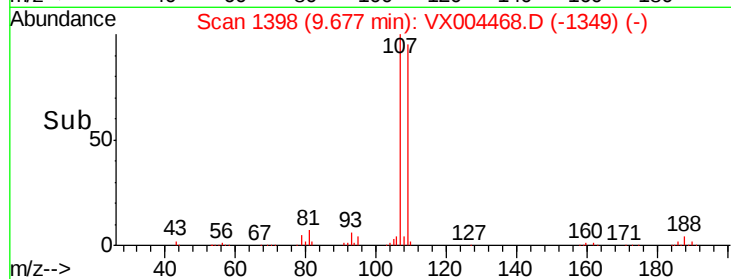
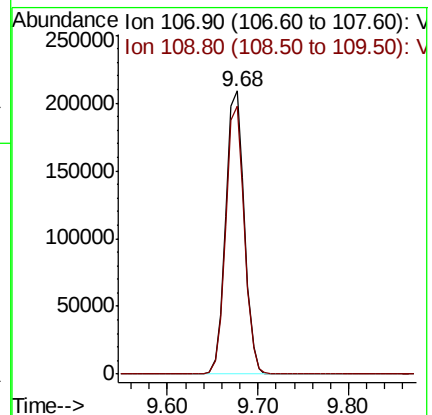
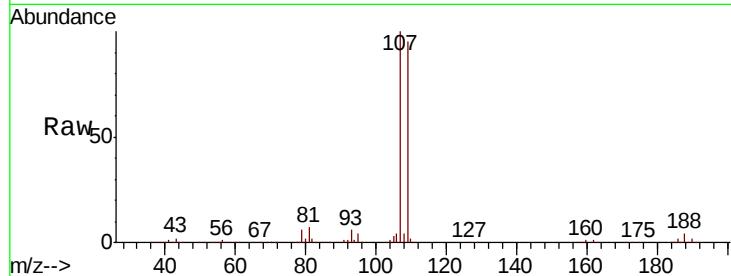
109 94.7 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 101.42 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

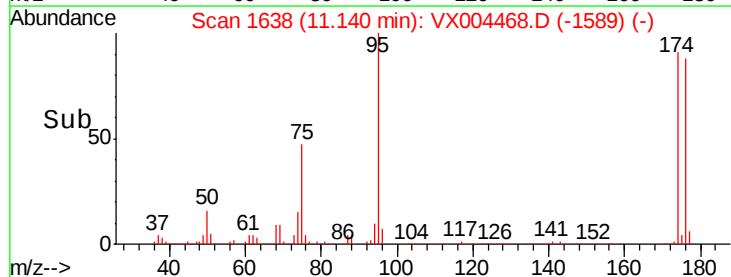
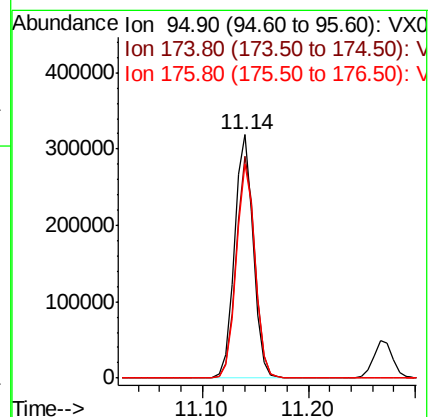
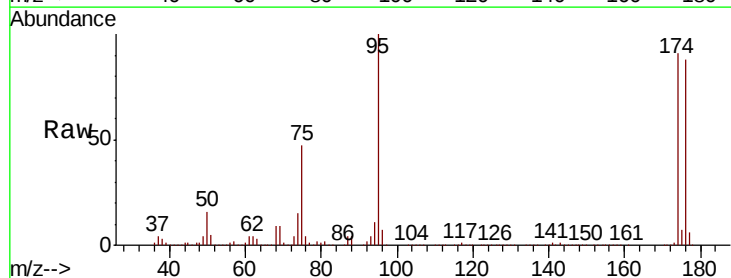
Tgt Ion: 95 Resp: 394332

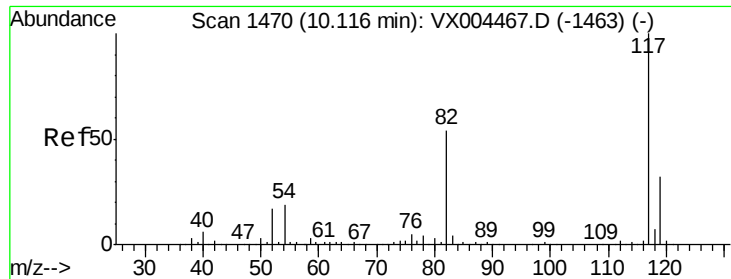
Ion Ratio Lower Upper

95 100

174 90.9 0.0 185.2

176 88.1 0.0 178.6





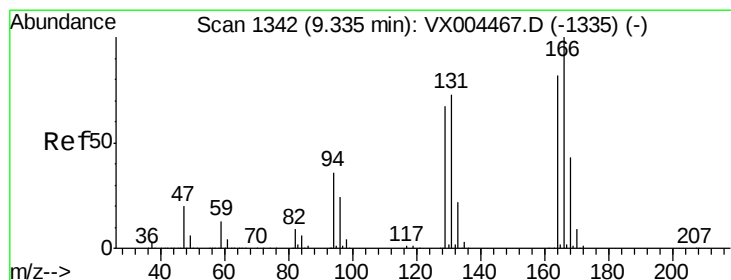
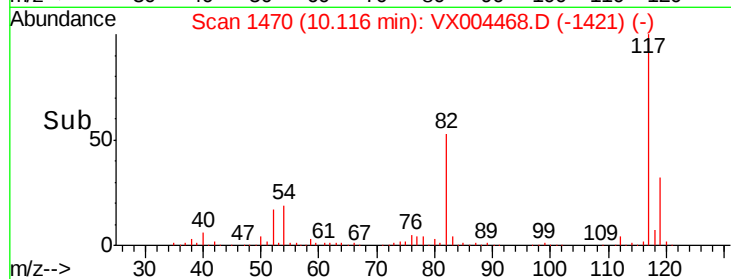
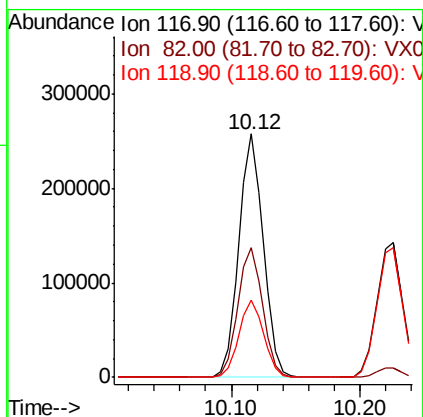
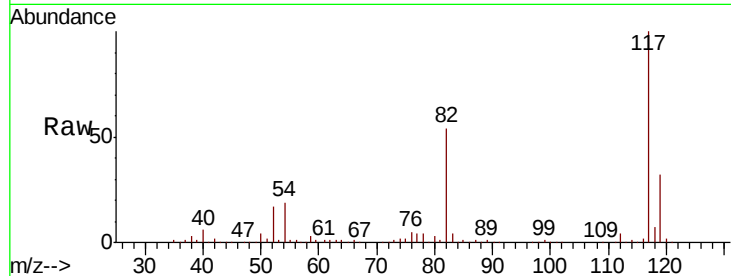
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	47.8	71.6
119	31.8	29.3	43.9

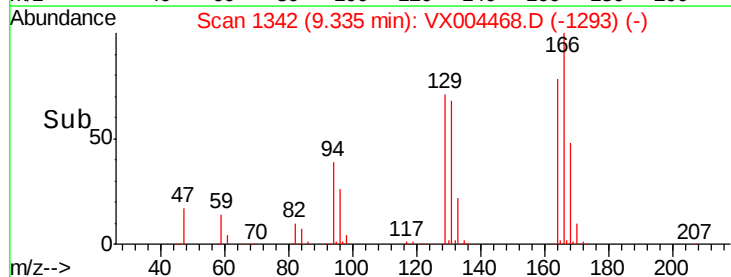
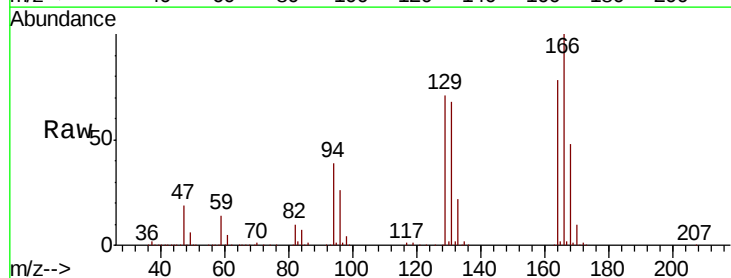
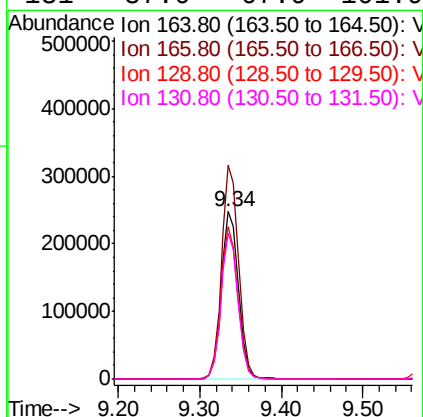
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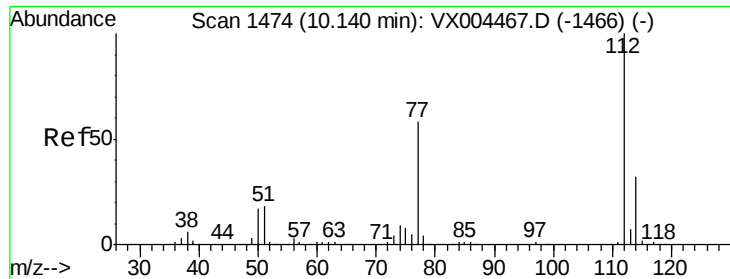
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#64
Tetrachloroethene
Concen: 84.87 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.8	154.2
129	90.9	69.4	104.0
131	87.0	67.9	101.9





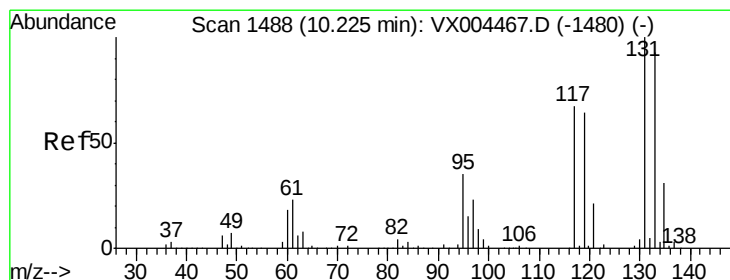
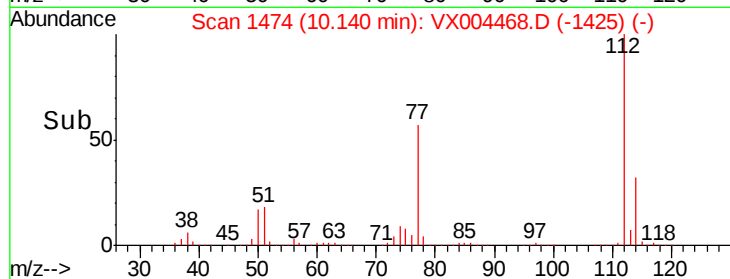
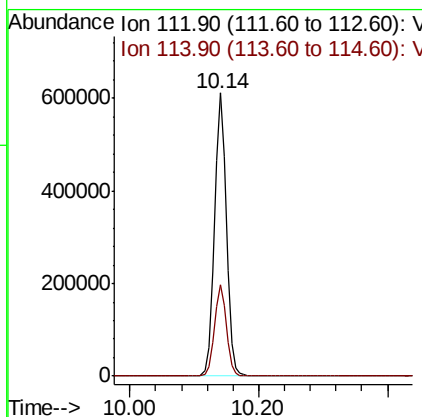
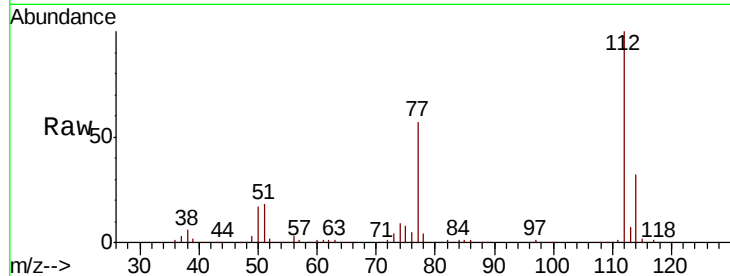
#65
Chlorobenzene
Concen: 94.96 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 799445
Ion Ratio Lower Upper
112 100
114 32.2 27.8 41.8

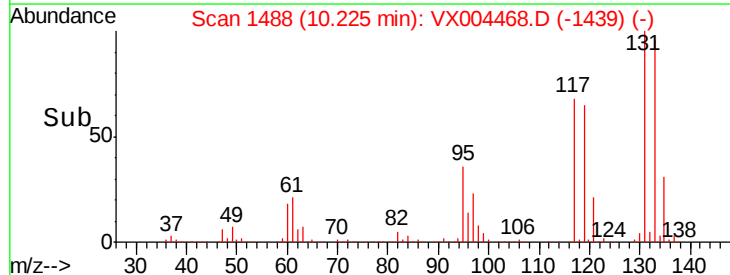
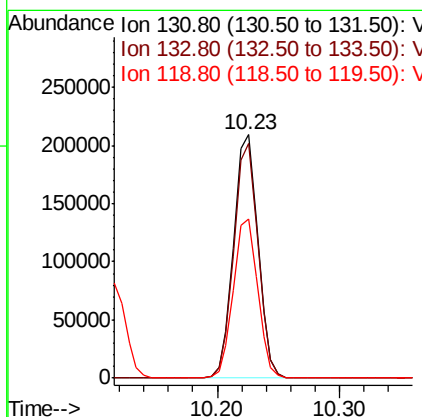
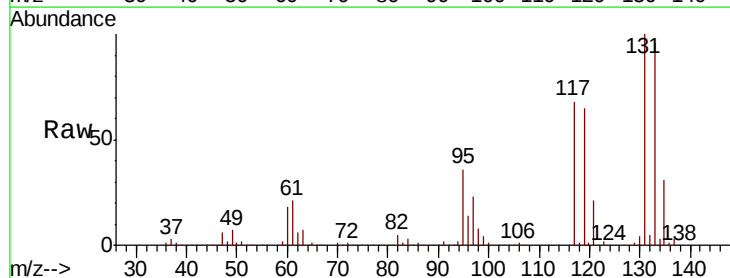
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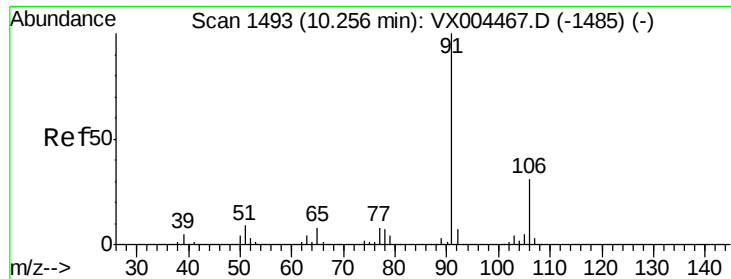
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#66
1,1,1,2-Tetrachloroethane
Concen: 98.71 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion:131 Resp: 286562
Ion Ratio Lower Upper
131 100
133 95.9 48.1 144.4
119 65.7 32.9 98.6





#67

Ethyl Benzene

Concen: 100.89 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1381098

Ion Ratio Lower Upper

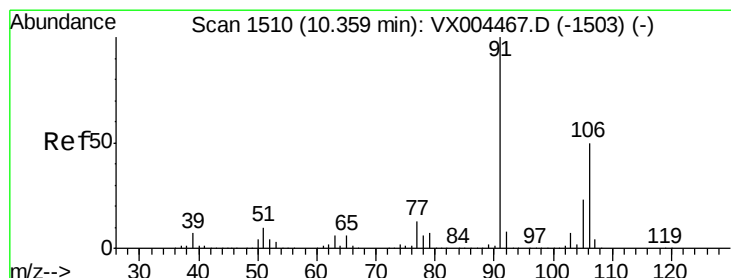
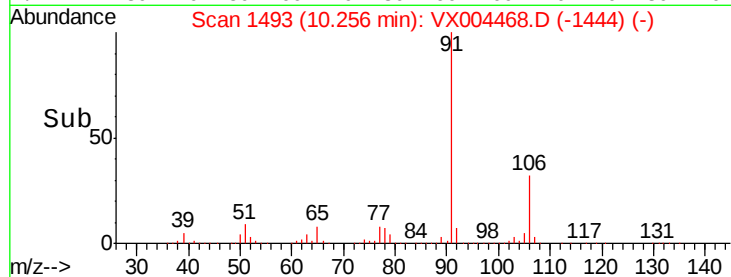
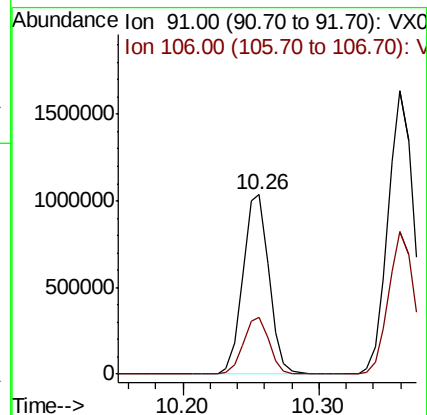
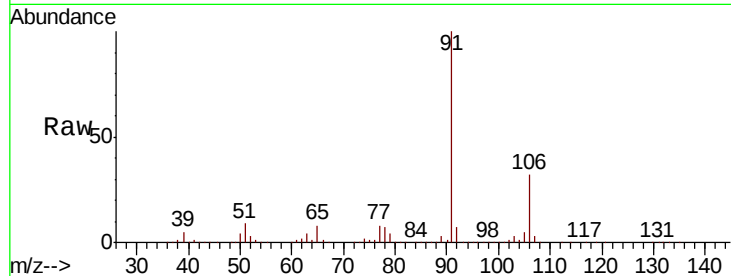
91 100

106 32.0 25.9 38.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 204.83 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004468.D

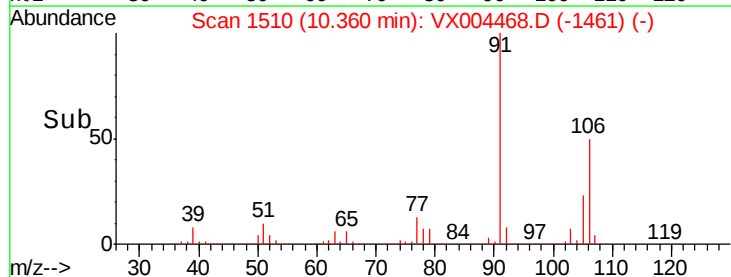
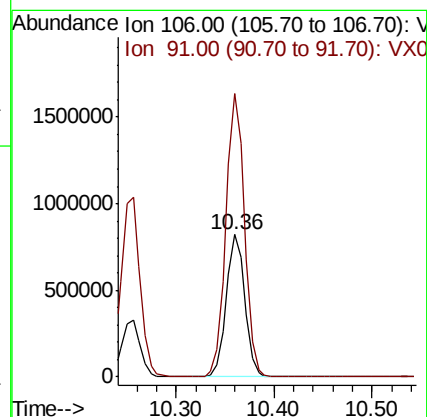
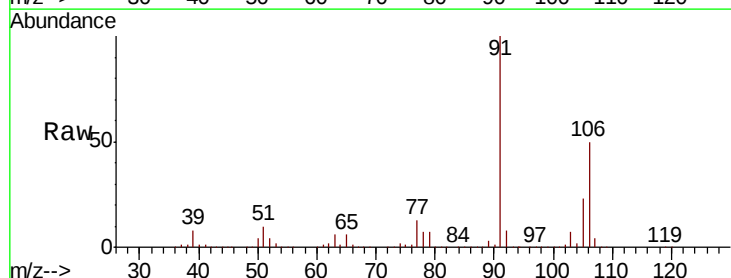
Acq: 11 Sep 2018 14:20

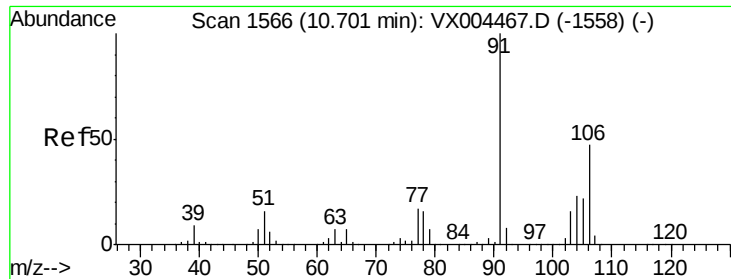
Tgt Ion: 106 Resp: 1080021

Ion Ratio Lower Upper

106 100

91 199.8 157.1 235.7





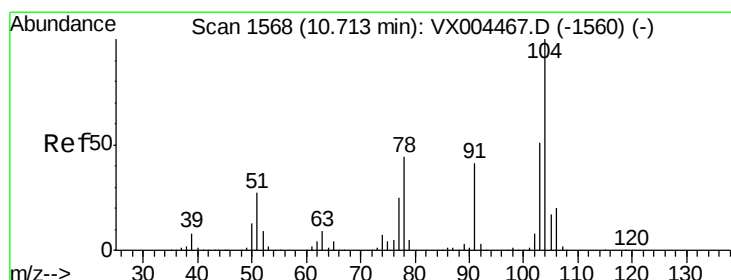
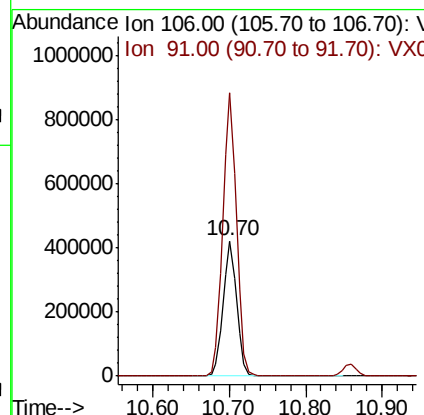
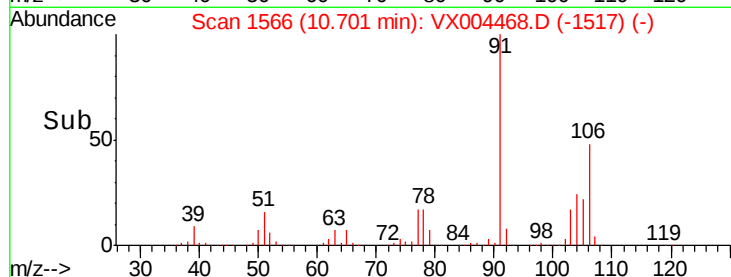
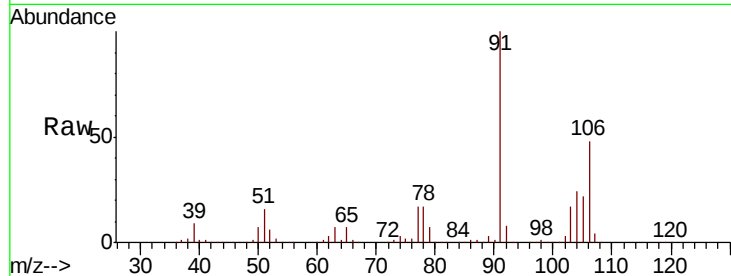
#69
o-Xylene
Concen: 102.65 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 520336
Ion Ratio Lower Upper
106 100
91 211.6 105.1 315.1

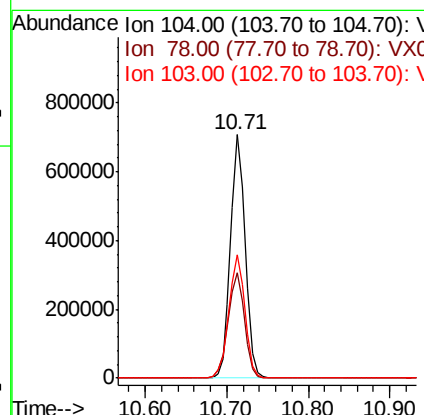
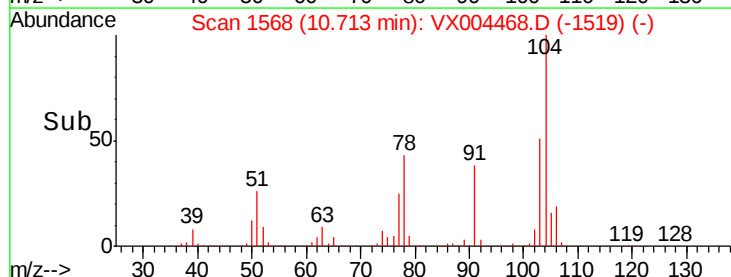
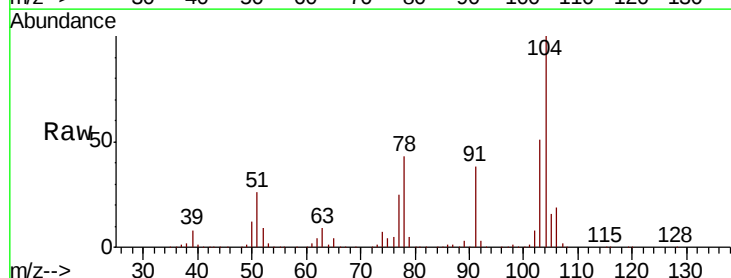
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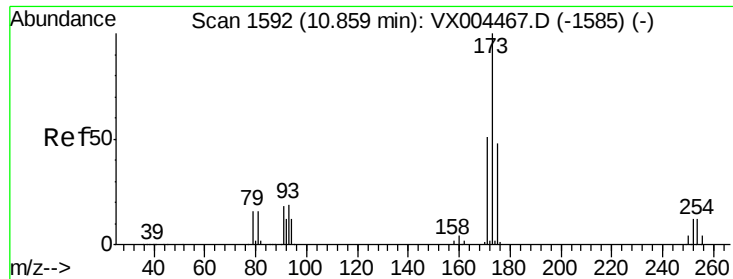
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#70
Styrene
Concen: 105.21 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion:104 Resp: 883590
Ion Ratio Lower Upper
104 100
78 48.4 37.4 56.0
103 55.3 43.8 65.6





#71

Bromoform

Concen: 103.13 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

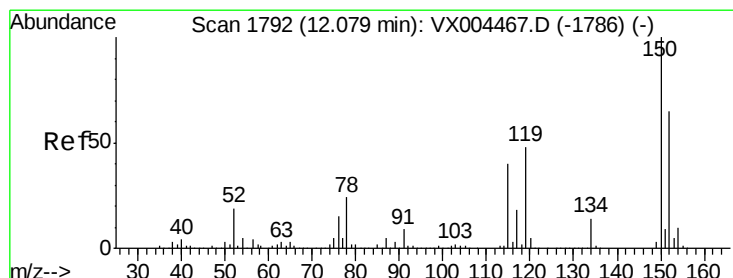
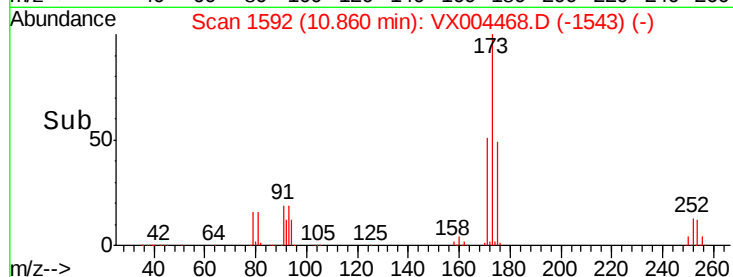
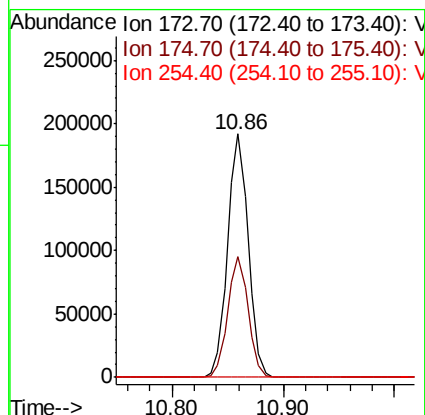
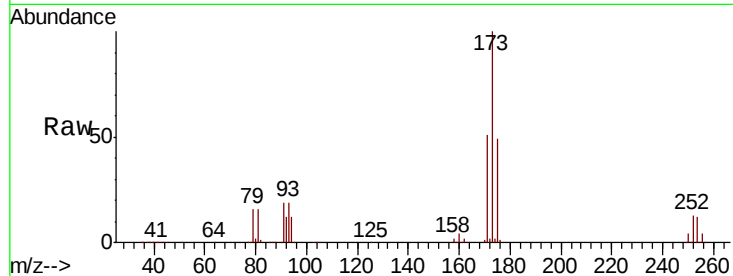
ClientSampleId :

VSTDIC100

Tot Ion:	173	Resp:	245824
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

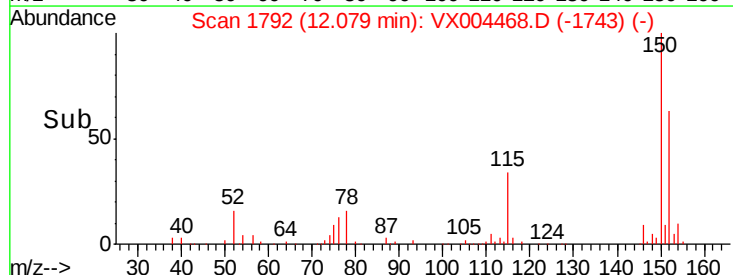
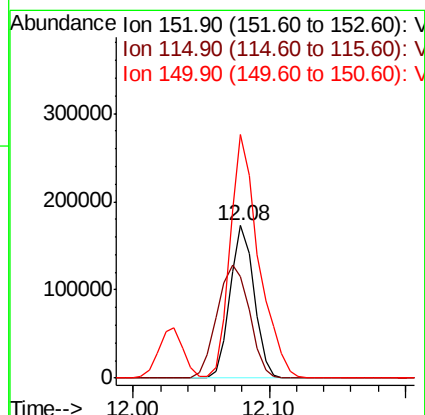
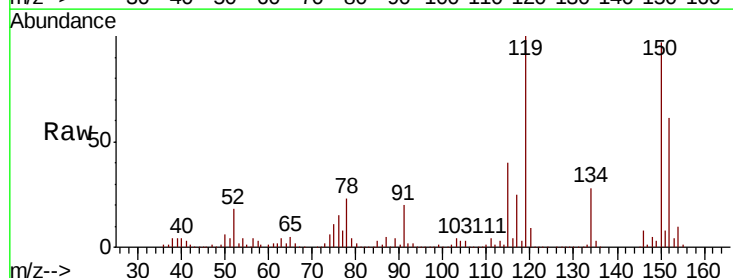
RT: 12.08 min Scan# 1792

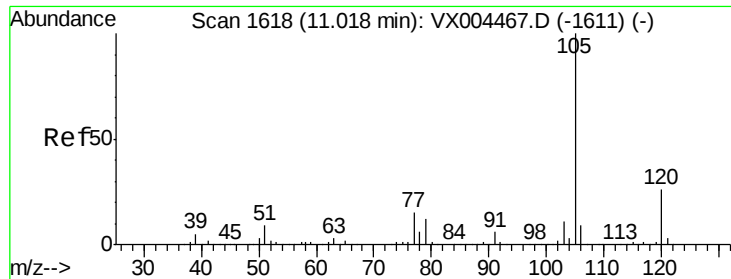
Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Tgt Ion:	152	Resp:	212421
Ion Ratio	Lower	Upper	
152	100		
115	99.6	39.0	117.0
150	189.7	0.0	351.0





#73

Isopropylbenzene

Concen: 99.68 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1394510

Ion Ratio Lower Upper

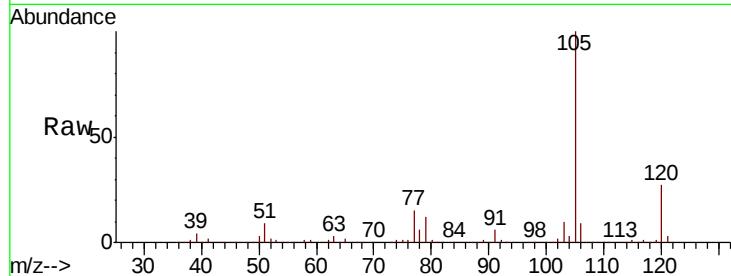
105 100

120 26.8 13.5 40.4

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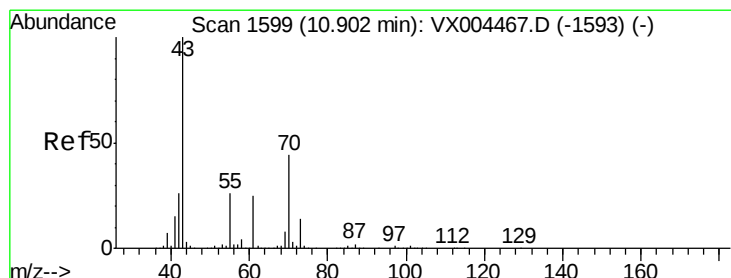
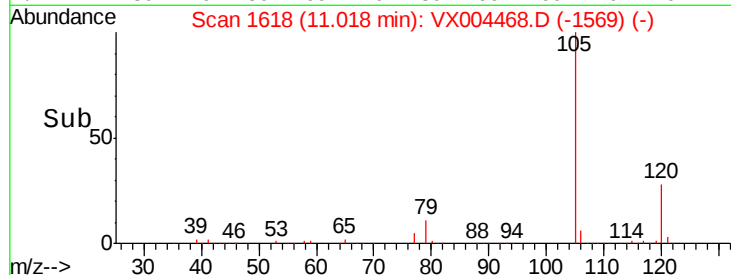
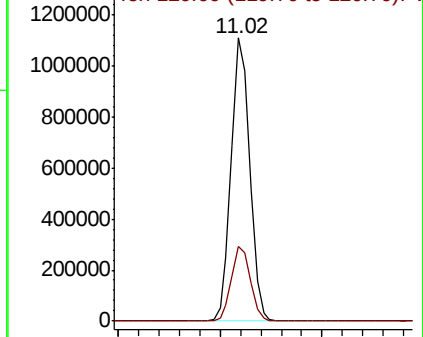
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 103.15 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Tgt Ion: 43 Resp: 607377

Ion Ratio Lower Upper

43 100

70 43.4 37.4 56.0

55 25.6 21.8 32.8

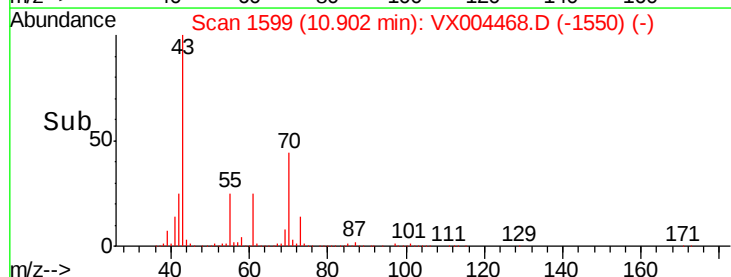
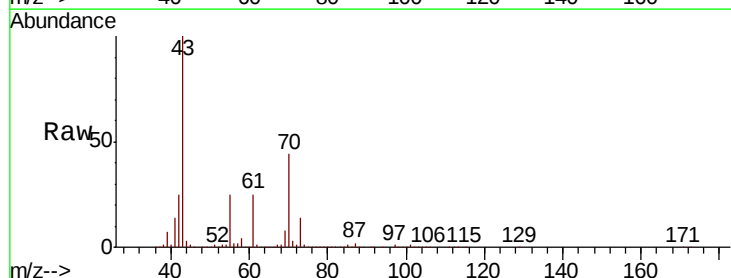
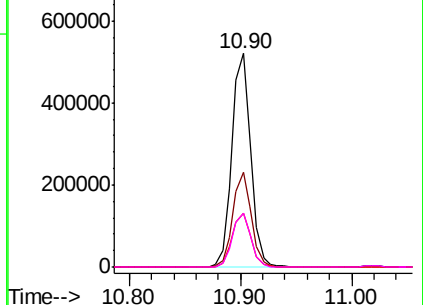
61 25.0 20.6 30.8

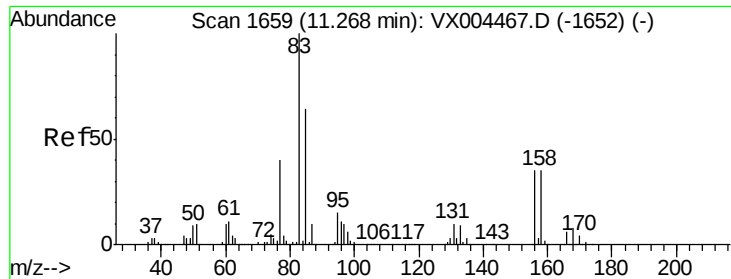
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 93.94 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

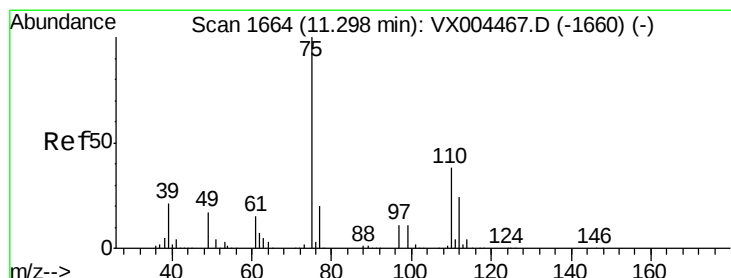
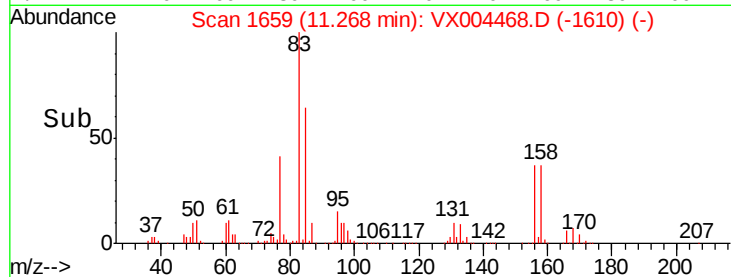
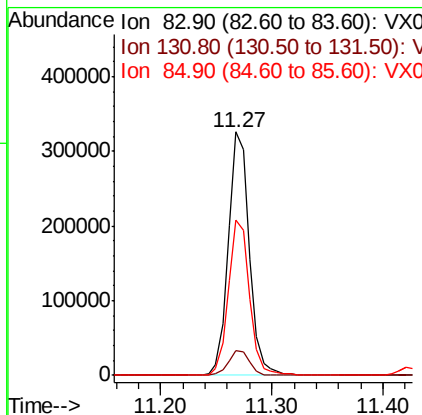
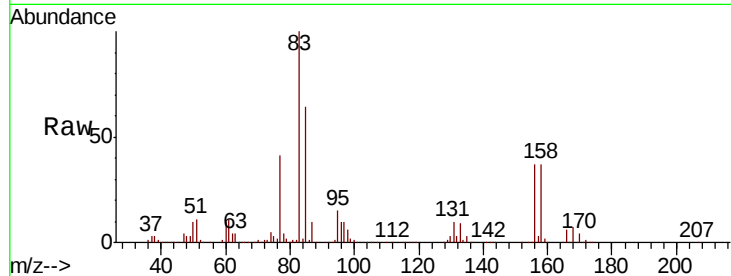
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	423891
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.4	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 97.08 ug/l m

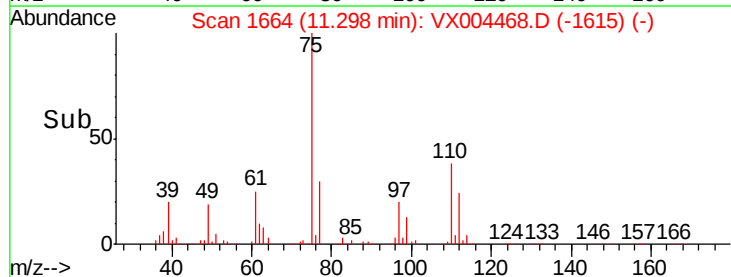
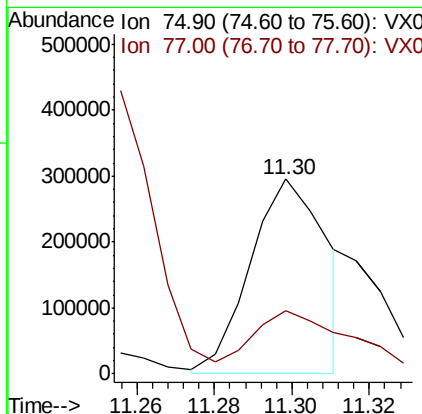
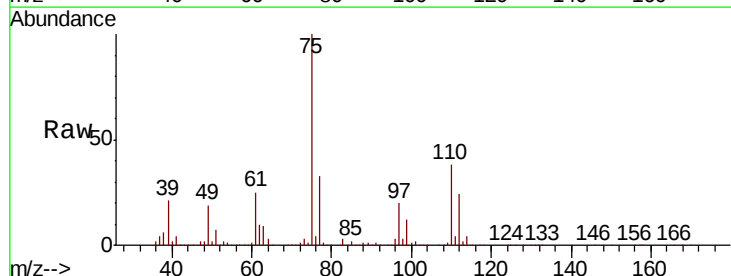
RT: 11.30 min Scan# 1664

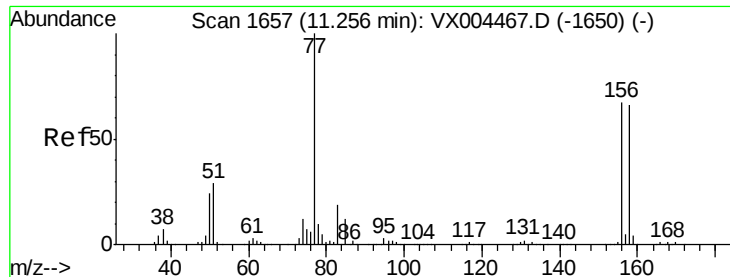
Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Tgt Ion:	75	Resp:	402932
Ion Ratio	Lower	Upper	
75	100		
77	42.5	20.2	60.6





#77

Bromobenzene

Concen: 95.38 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:156 Resp: 368806

Ion Ratio Lower Upper

156 100

77 146.3 71.5 214.3

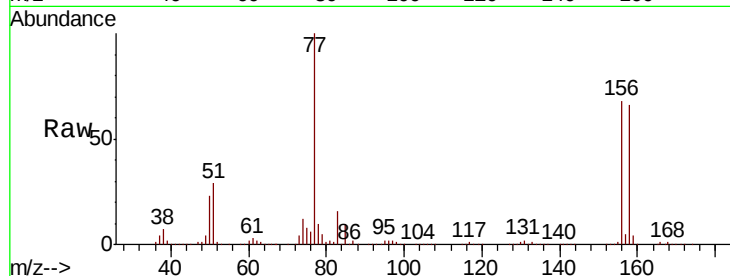
158 97.8 48.9 146.8

Manual Integrations

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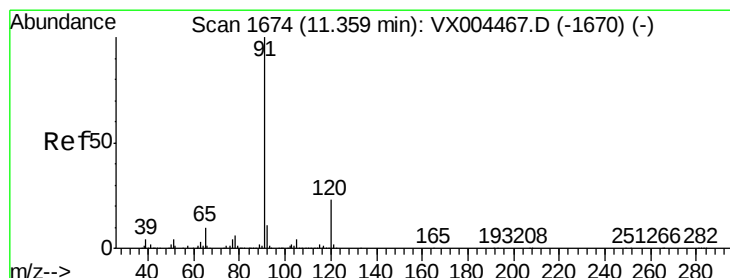
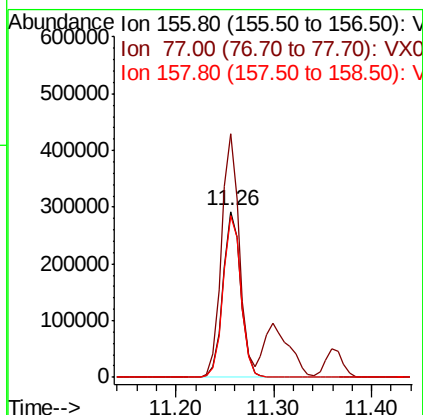
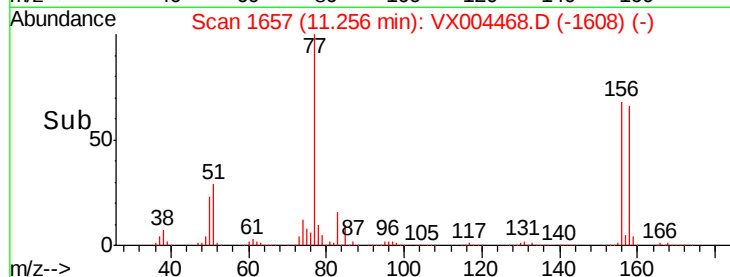
9/12/2018 11:26:23 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 100.88 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004468.D

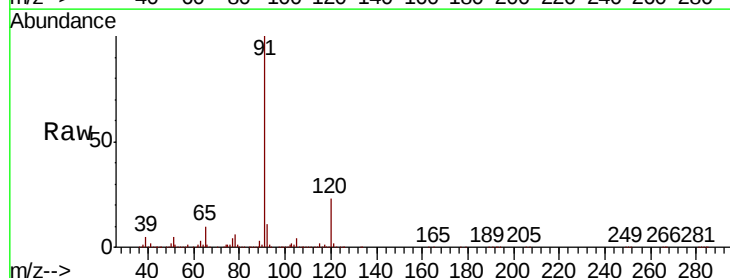
Acq: 11 Sep 2018 14:20

Tgt Ion: 91 Resp: 1622683

Ion Ratio Lower Upper

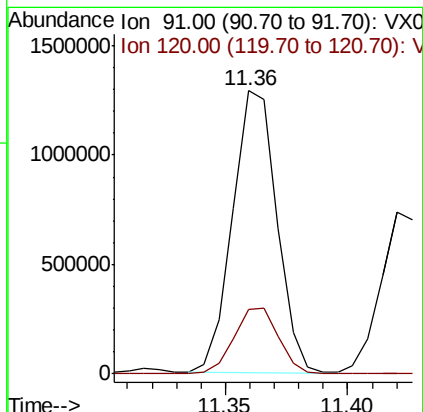
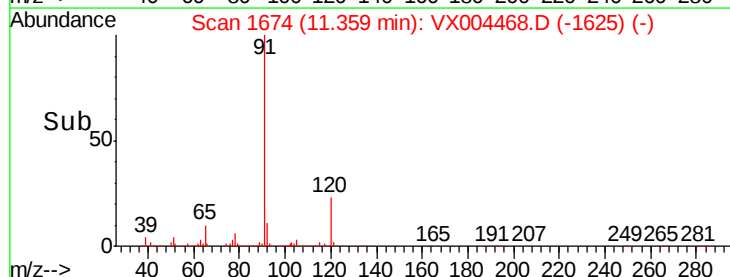
91 100

120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 96.66 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampled :

VSTDICC100

Tot Ion: 91 Resp: 942943

Ion Ratio Lower Upper

91 100

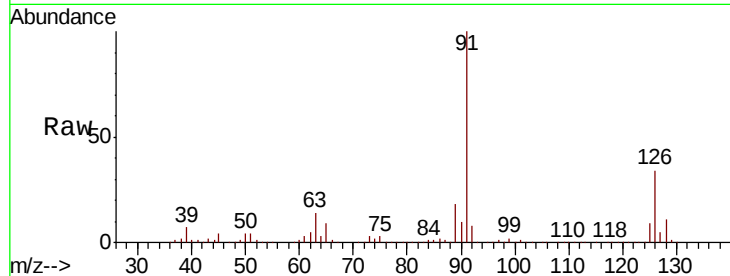
126 35.5 17.9 53.7

Manual Integrations

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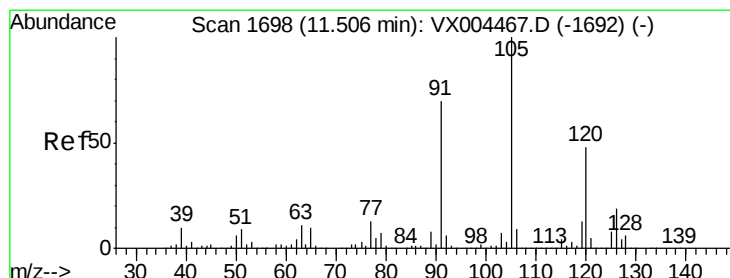
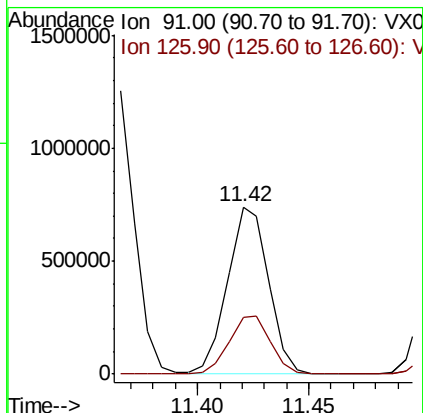
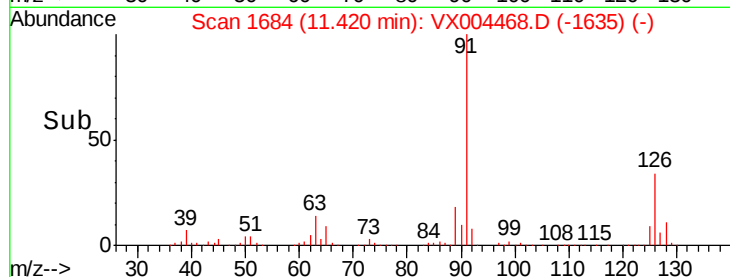
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9/12/2018 11:26:23 AM



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 101.61 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004468.D

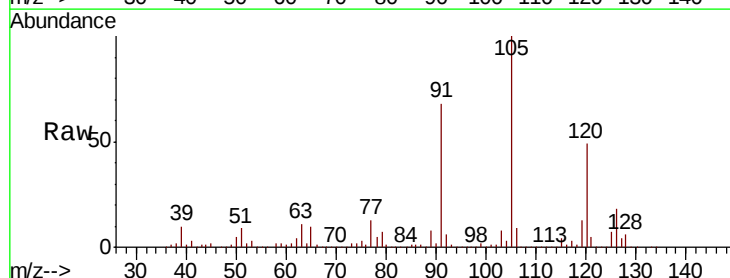
Acq: 11 Sep 2018 14:20

Tgt Ion:105 Resp: 1195007

Ion Ratio Lower Upper

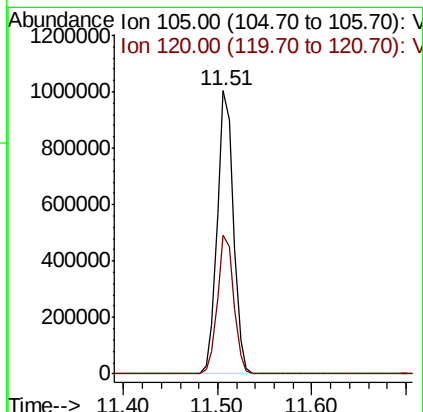
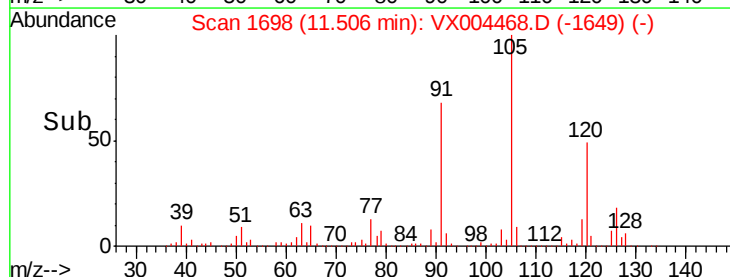
105 100

120 49.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 107.55 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

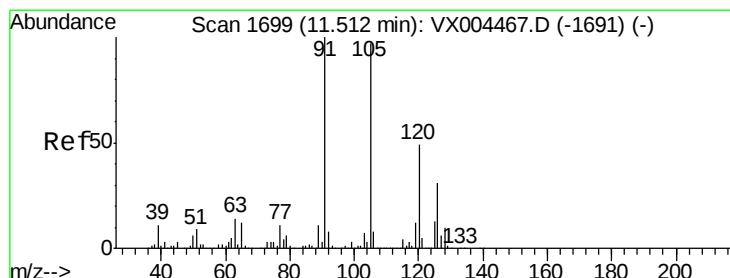
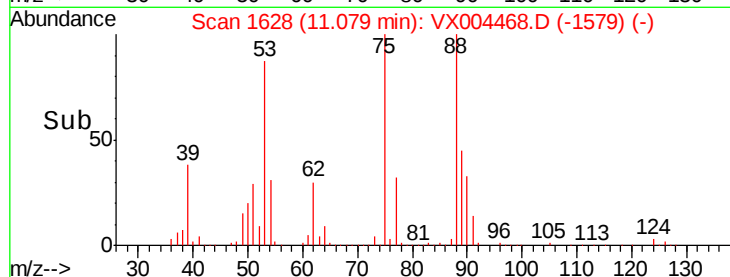
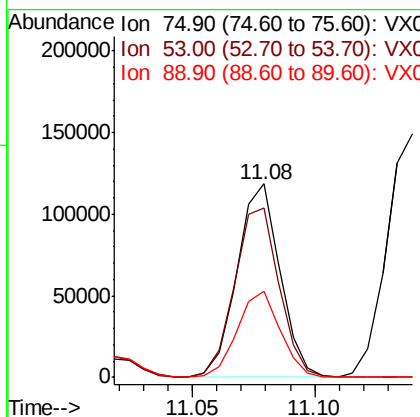
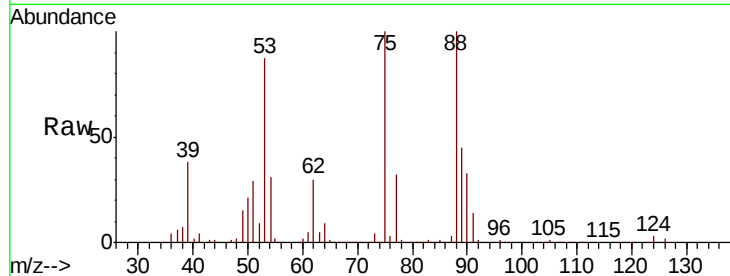
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	144201
Ion Ratio	Lower	Upper	
75	100		
53	91.4	80.1	120.1
89	45.2	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 99.08 ug/l

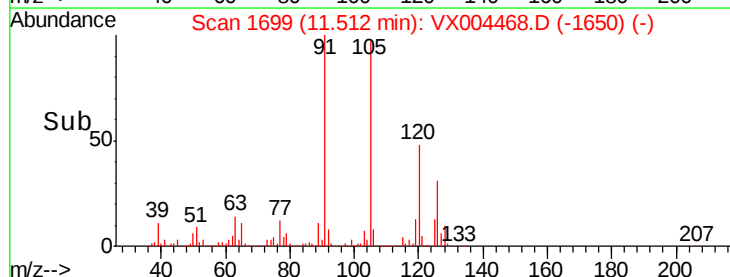
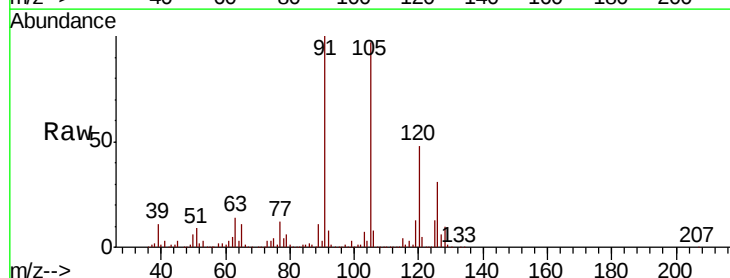
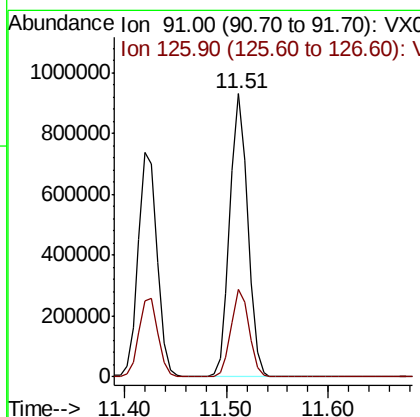
RT: 11.51 min Scan# 1699

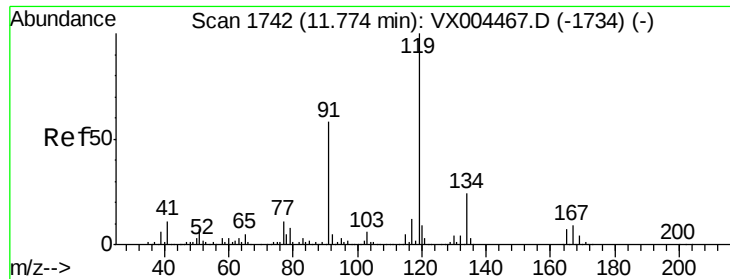
Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Tgt Ion:	91	Resp:	1128144
Ion Ratio	Lower	Upper	
91	100		
126	30.9	15.5	46.5





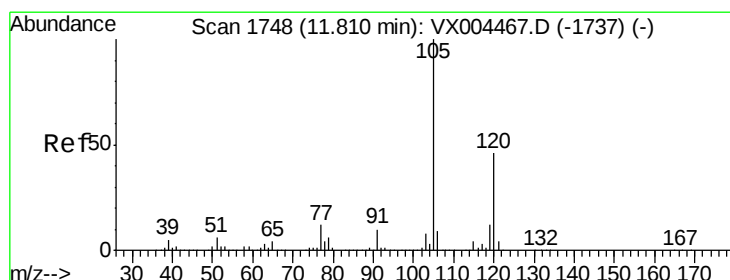
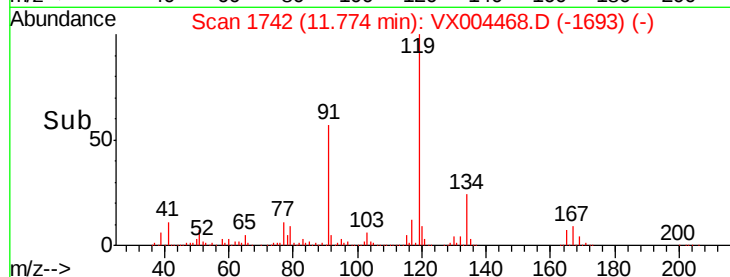
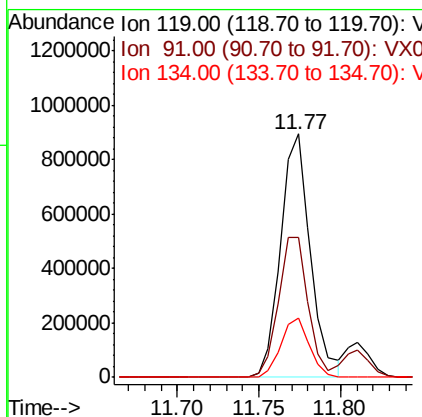
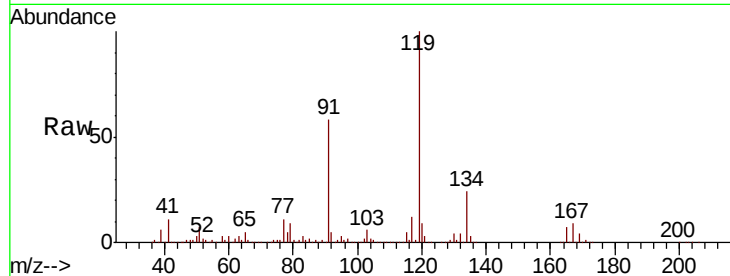
#83
tert-Butylbenzene
Concen: 101.56 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.2	27.0	81.0
134	23.4	11.7	35.1

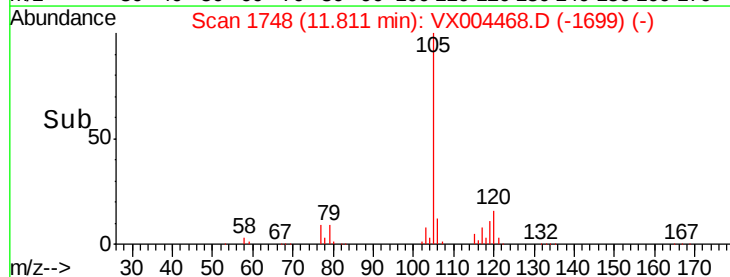
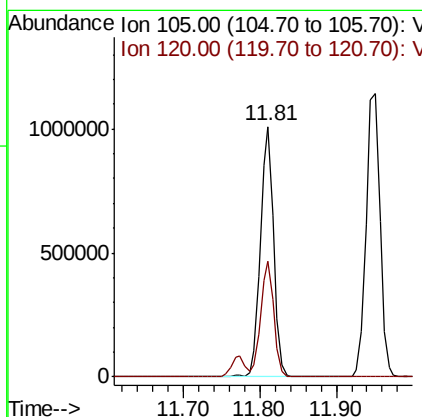
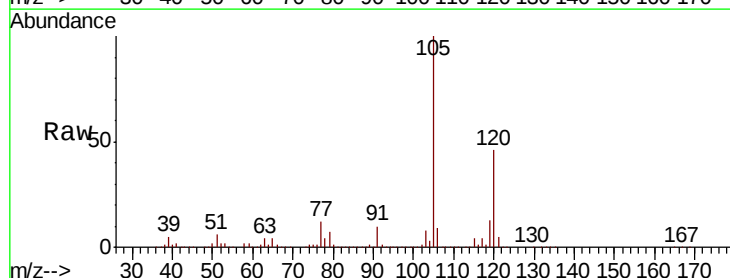
Manual Integrations
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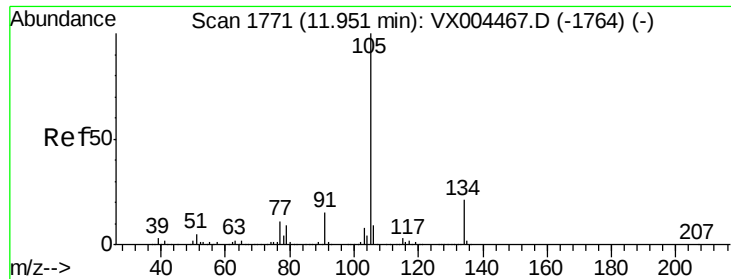
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9/12/2018 11:26:23 AM



#84
1,2,4-Trimethylbenzene
Concen: 102.40 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 101.18 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1443574

Ion Ratio Lower Upper

105 100

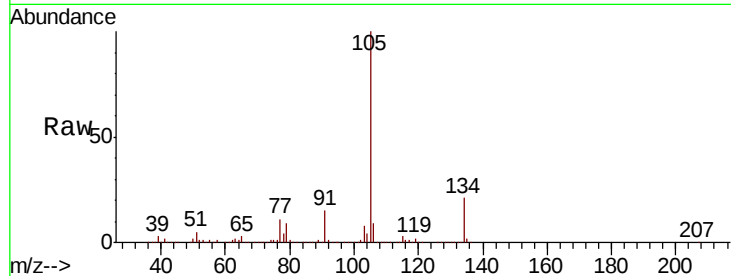
134 20.5 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

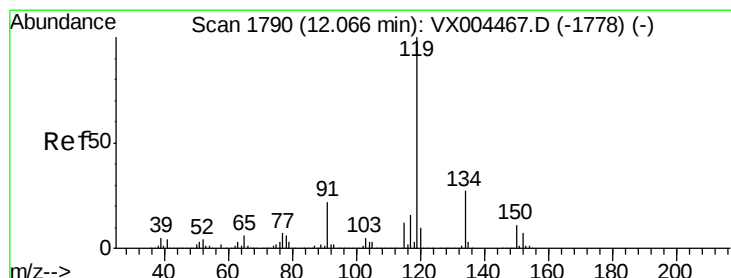
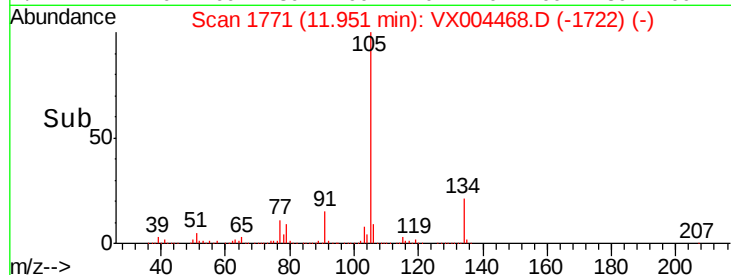
1000000

500000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 103.26 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

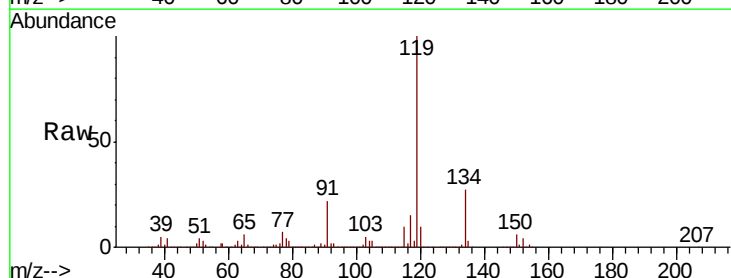
Tgt Ion:119 Resp: 1300985

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.3 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

1500000

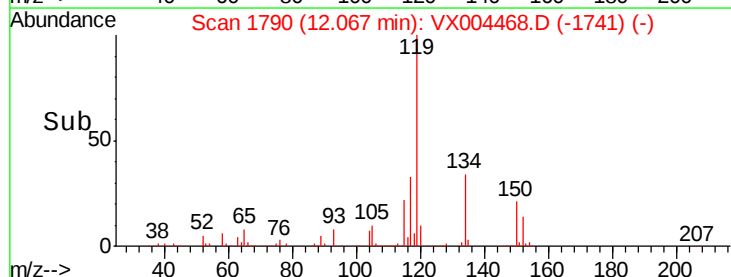
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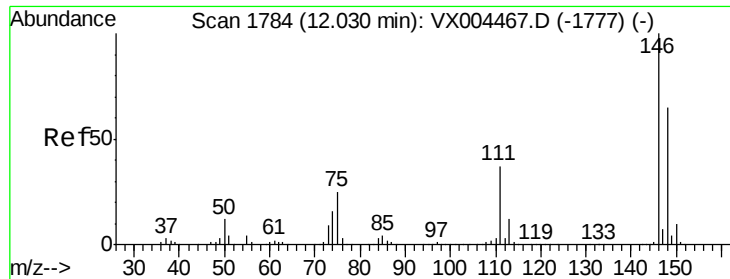
500000

0

Time-->

11.90 12.00 12.10 12.20





#87

1,3-Dichlorobenzene

Concen: 95.45 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:146 Resp: 688603

Ion Ratio Lower Upper

146 100

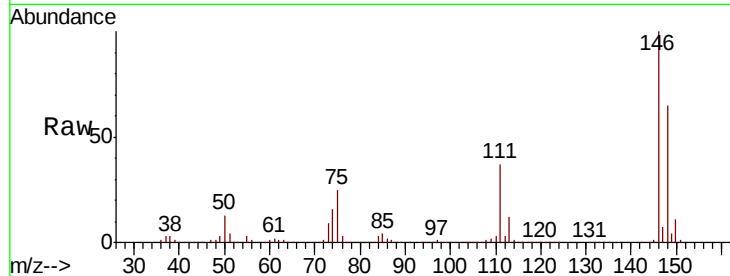
111 38.2 18.7 56.1

148 64.5 32.1 96.5

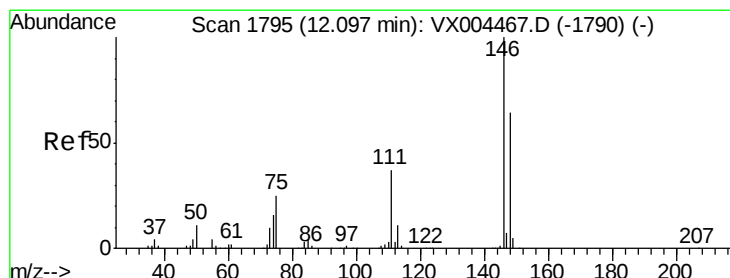
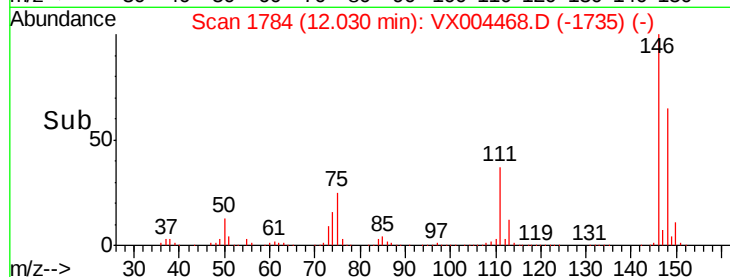
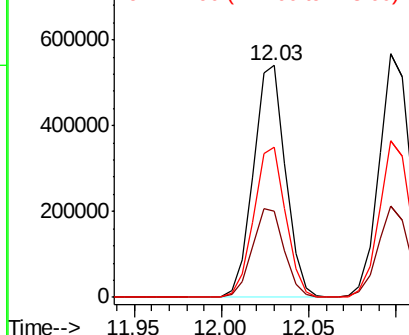
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 93.63 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

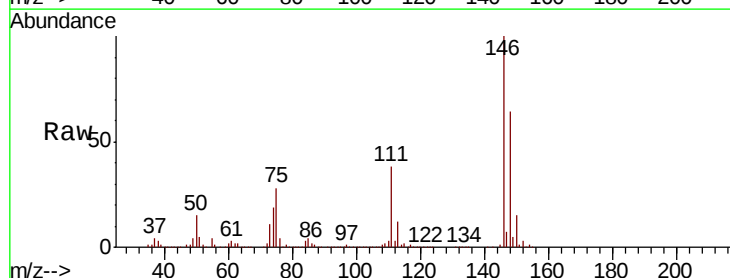
Tgt Ion:146 Resp: 697938

Ion Ratio Lower Upper

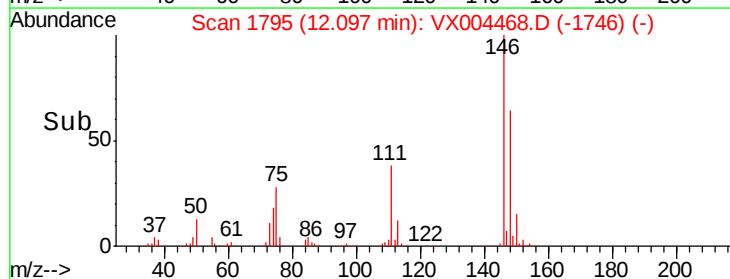
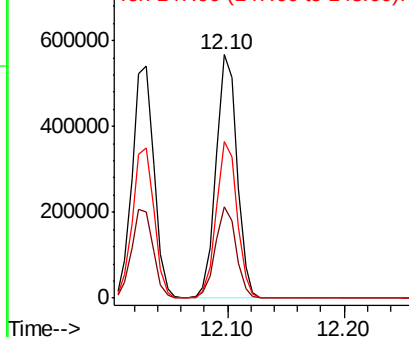
146 100

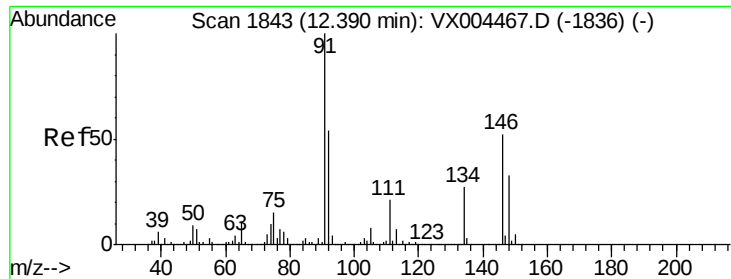
111 36.9 18.1 54.1

148 64.2 32.0 96.0



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





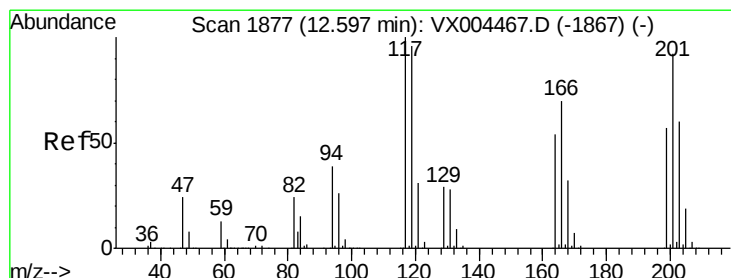
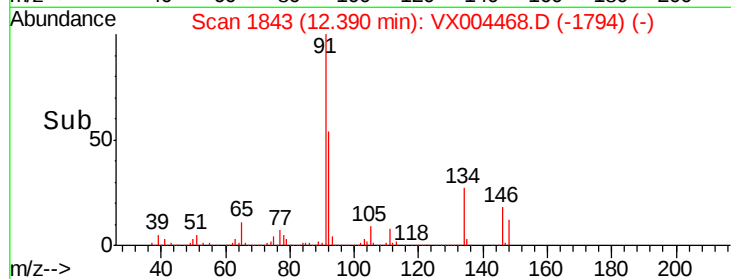
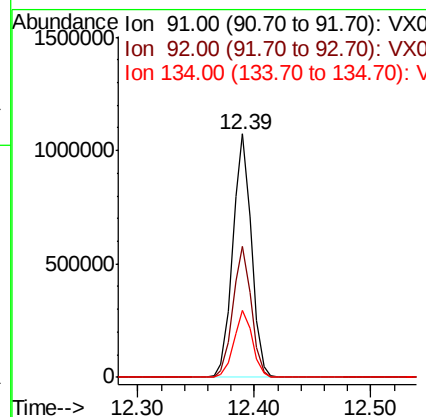
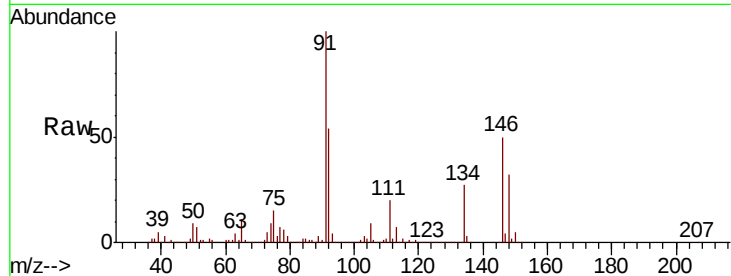
#89
n-Butylbenzene
Concen: 103.46 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1187938
Ion Ratio Lower Upper
91 100
92 53.3 27.3 81.9
134 27.2 13.6 40.7

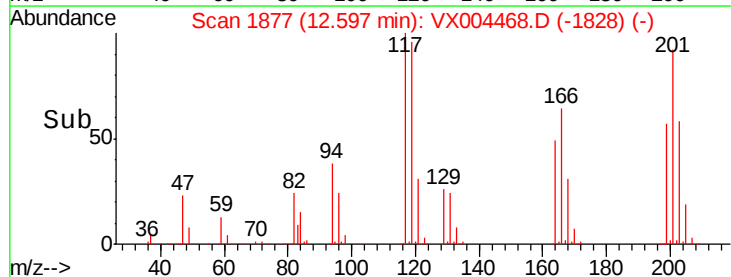
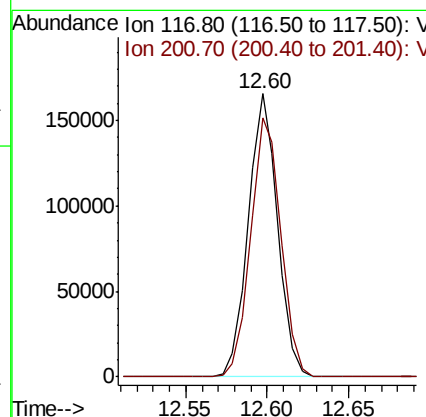
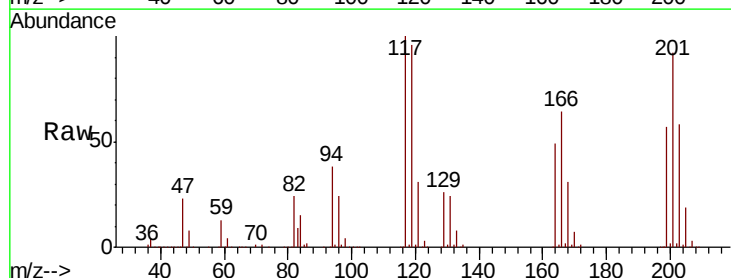
Manual Integrations
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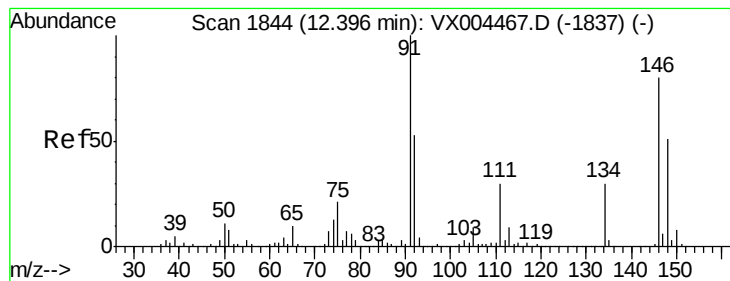
MMDadoda
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#90
Hexachloroethane
Concen: 102.29 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004468.D
Acq: 11 Sep 2018 14:20

Tgt Ion: 117 Resp: 206325
Ion Ratio Lower Upper
117 100
201 94.6 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 95.63 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

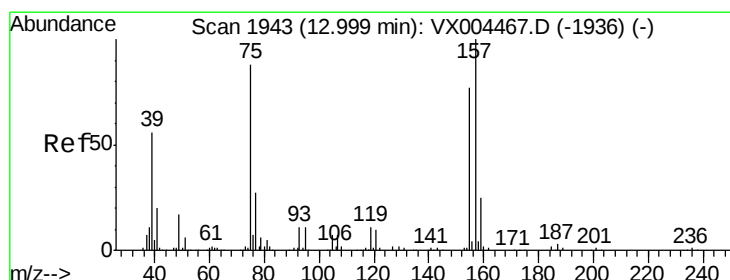
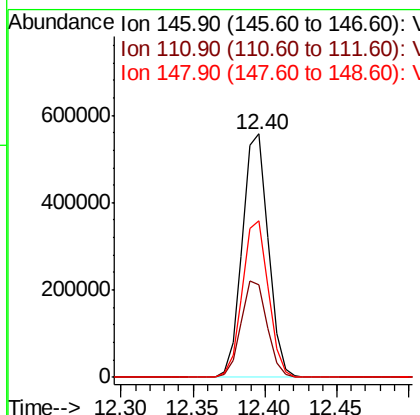
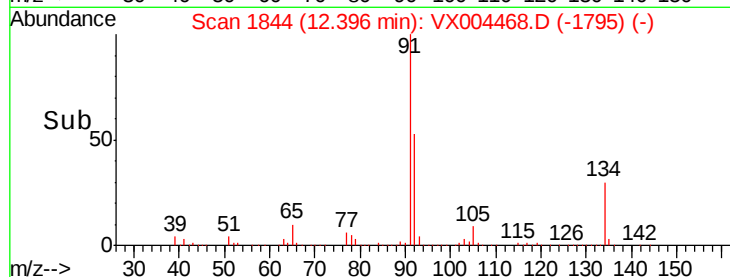
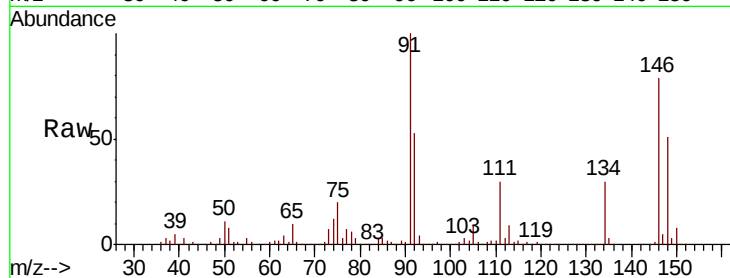
ClientSampleId :

VSTDICC100

Tot Ion:	146	Resp:	698347
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.4	58.1
148	64.4	32.8	98.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 104.01 ug/l

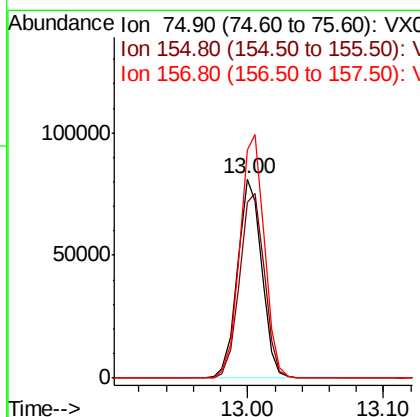
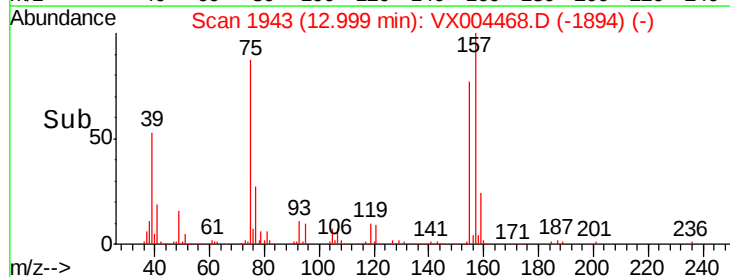
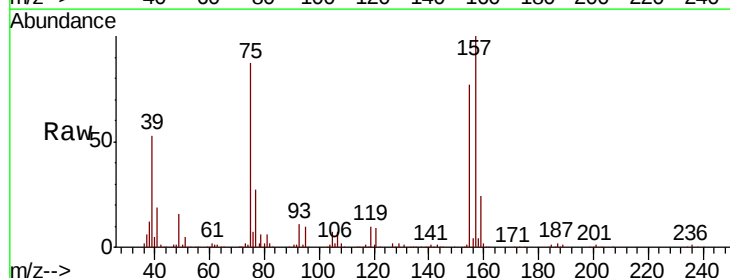
RT: 13.00 min Scan# 1943

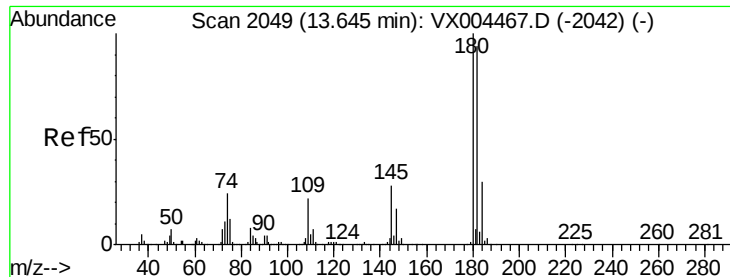
Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Tgt Ion:	75	Resp:	100212
Ion Ratio	Lower	Upper	
75	100		
155	95.1	48.0	144.2
157	123.8	61.4	184.1





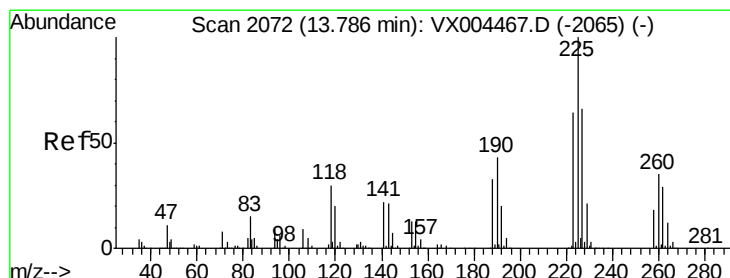
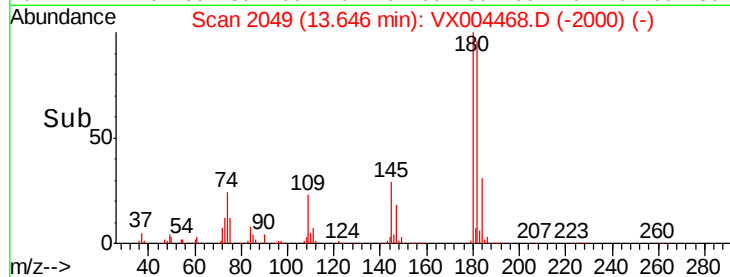
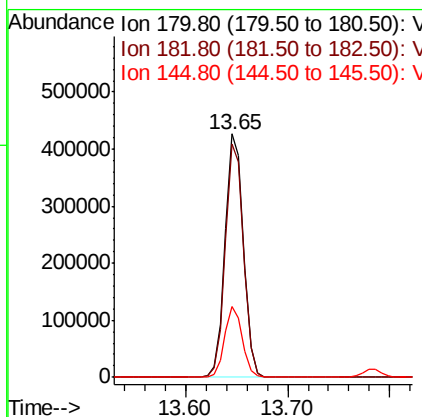
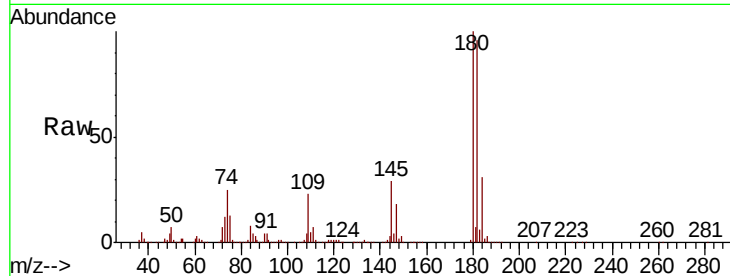
#93
 1,2,4-Trichlorobenzene
 Concen: 102.18 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	180	Resp:	528339
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.4	145.0
145	28.2	14.3	42.9

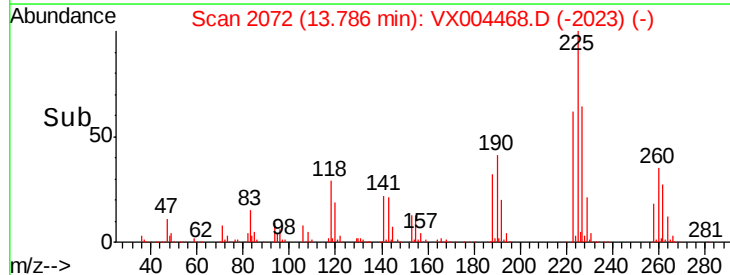
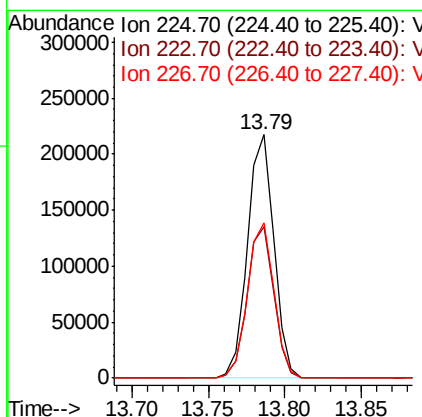
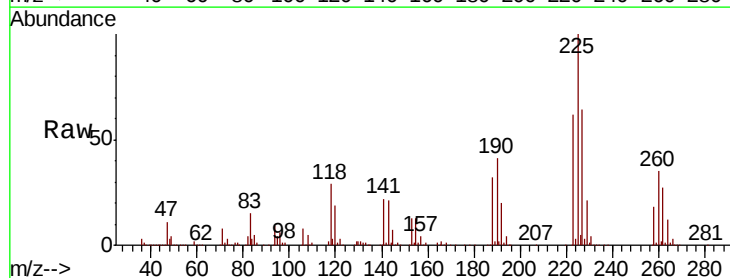
Manual Integrations
 APPROVED

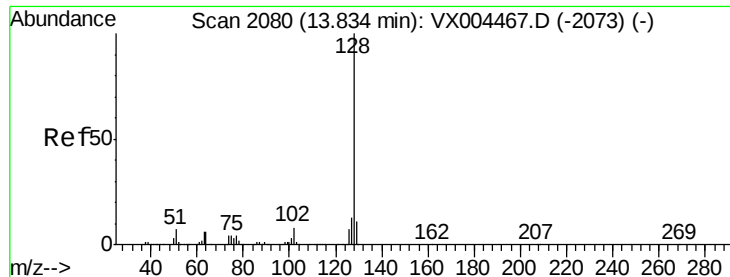
MMDadoda
 9/12/2018 11:26:23 AM



#94
 Hexachlorobutadiene
 Concen: 96.49 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004468.D
 Acq: 11 Sep 2018 14:20

Tgt Ion:	225	Resp:	260592
Ion Ratio	Lower	Upper	
225	100		
223	62.5	30.1	90.5
227	64.1	30.8	92.4





#95

Naphthalene

Concen: 106.98 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1551464

Ion Ratio Lower Upper

128 100

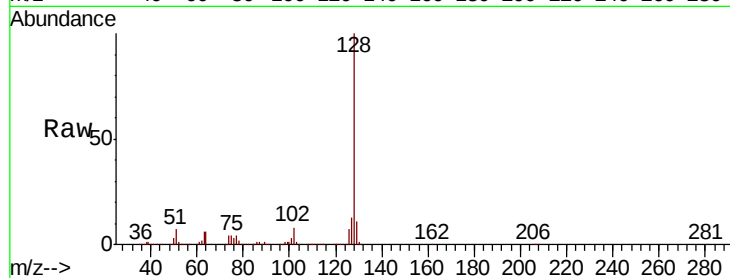
127 12.9 10.2 15.2

129 10.9 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

9/12/2018 11:26:23 AM

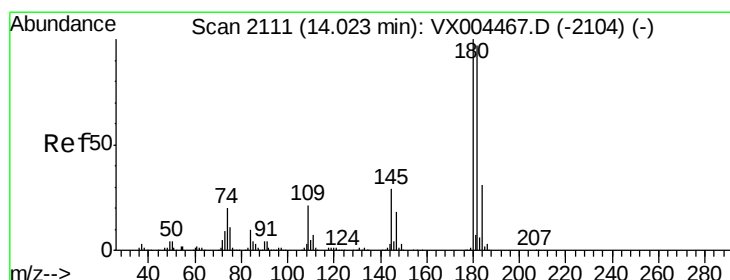
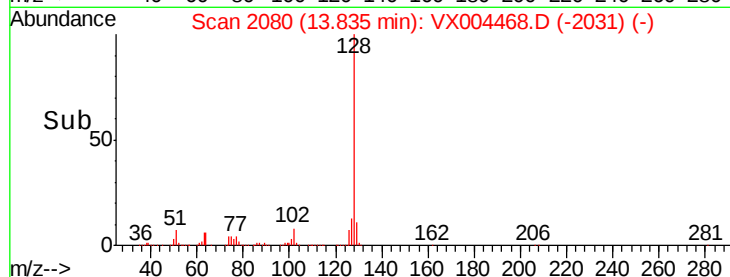
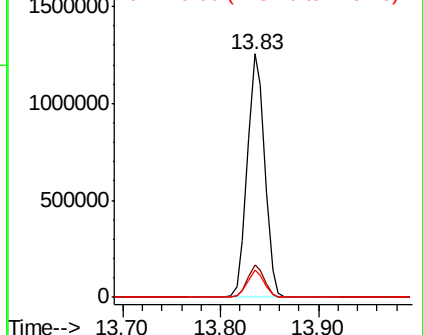


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 99.61 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004468.D

Acq: 11 Sep 2018 14:20

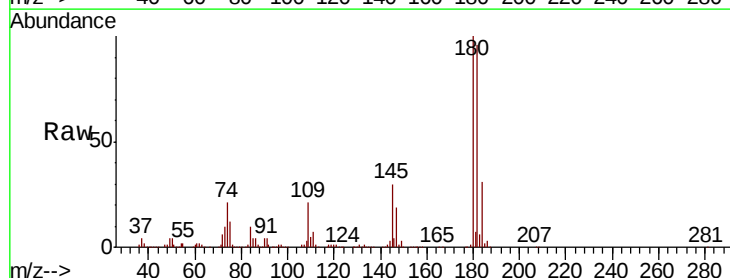
Tgt Ion:180 Resp: 529097

Ion Ratio Lower Upper

180 100

182 95.7 48.5 145.6

145 29.9 14.9 44.9



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

