

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
 Data File : VX004488.D
 Acq On : 12 Sep 2018 12:19
 Operator : JC/MD
 Sample : VX0912MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 10:58:15 AM

Quant Time: Sep 13 01:39:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	156865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	255070	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	254773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	132998	65.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.52%	
35) Dibromofluoromethane	5.50	113	109074	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
50) Toluene-d8	8.72	98	406452	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.14	95	151160	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	24690	16.79	ug/l	97
3) Chloromethane	1.32	50	48913	24.18	ug/l	100
4) Vinyl Chloride	1.40	62	44257	21.31	ug/l	99
5) Bromomethane	1.64	94	27765	31.50	ug/l	97
6) Chloroethane	1.71	64	30696	22.86	ug/l	98
7) Trichlorofluoromethane	1.92	101	49269	17.90	ug/l	97
8) Diethyl Ether	2.19	74	32450	26.29	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	28872	16.53	ug/l	98
10) Methyl Iodide	2.51	142	42374	22.83	ug/l	98
11) Tert butyl alcohol	3.08	59	71478	148.10	ug/l	99
12) 1,1-Dichloroethene	2.37	96	34668	21.15	ug/l	96
13) Acrolein	2.29	56	30389	159.51	ug/l	95
14) Allyl chloride	2.72	41	85100	25.25	ug/l	94
15) Acrylonitrile	3.15	53	165848	142.70	ug/l	99
16) Acetone	2.45	43	134133	135.87	ug/l	99
17) Carbon Disulfide	2.56	76	100579	21.23	ug/l	100
18) Methyl Acetate	2.78	43	77956	28.15	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	152621	26.54	ug/l	98
20) Methylene Chloride	2.85	84	50442	24.91	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	41874	23.12	ug/l	98
22) Diisopropyl ether	3.87	45	149332	24.61	ug/l	97
23) Vinyl Acetate	3.82	43	698126	142.15	ug/l	96
24) 1,1-Dichloroethane	3.70	63	87307	25.48	ug/l	98
25) 2-Butanone	4.71	43	201713	128.39	ug/l	98
26) 2,2-Dichloropropane	4.58	77	53525	22.74	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	47578	23.53	ug/l	98
28) Bromochloromethane	5.02	49	40349	25.74	ug/l	95
29) Tetrahydrofuran	5.17	42	130686	137.93	ug/l	96
30) Chloroform	5.21	83	79556	23.78	ug/l	99
31) Cyclohexane	5.57	56	47527	16.24	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	57742	21.43	ug/l	99
36) 1,1-Dichloropropene	5.80	75	49508	15.99	ug/l	99
37) Ethyl Acetate	4.87	43	74277	21.09	ug/l	99
38) Carbon Tetrachloride	5.78	117	46662	15.43	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	44561	13.79	ug/l	95
40) Benzene	6.15	78	179659	19.55	ug/l	99
41) Methacrylonitrile	5.07	41	41229	21.25	ug/l	99
42) 1,2-Dichloroethane	6.20	62	65217	21.40	ug/l	98
43) Isopropyl Acetate	6.47	43	106605	22.79	ug/l	98
44) Trichloroethene	7.21	130	46796	19.60	ug/l	94
45) 1,2-Dichloropropane	7.52	63	48691	22.02	ug/l	99
46) Dibromomethane	7.66	93	31513	22.56	ug/l	98
47) Bromodichloromethane	7.90	83	58363	22.10	ug/l	100
48) Methyl methacrylate	7.78	41	55654	24.04	ug/l	95
49) 1,4-Dioxane	7.76	88	28216	514.95	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	377754	114.43	ug/l	97
52) Toluene	8.79	92	110427	20.40	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	64299	20.84	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	71964	22.88	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	49003	21.02	ug/l	97
56) Ethyl methacrylate	9.18	69	69186	20.98	ug/l	97
57) 1,3-Dichloropropane	9.37	76	81059	21.40	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	189365	116.71	ug/l	94
59) 2-Hexanone	9.50	43	294012	116.11	ug/l	95
60) Dibromochloromethane	9.59	129	46855	21.35	ug/l	99
61) 1,2-Dibromoethane	9.68	107	50650	22.75	ug/l	100
64) Tetrachloroethene	9.34	164	52853	16.62	ug/l	99
65) Chlorobenzene	10.14	112	127565	20.16	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	45140	20.68	ug/l	99
67) Ethyl Benzene	10.26	91	196550	19.10	ug/l	98
68) m/p-Xylenes	10.36	106	156877	39.58	ug/l	98
69) o-Xylene	10.70	106	76027	19.95	ug/l	97
70) Styrene	10.71	104	131118	20.77	ug/l	98
71) Bromoform	10.86	173	36844	20.56	ug/l	# 98
73) Isopropylbenzene	11.02	105	191649	19.31	ug/l	100
74) N-amyl acetate	10.90	43	94114	22.53	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	71882	22.46	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	69545m	22.94	ug/l	
77) Bromobenzene	11.26	156	58549	21.35	ug/l	98
78) n-propylbenzene	11.36	91	220845	19.36	ug/l	99
79) 2-Chlorotoluene	11.42	91	143948	20.80	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	168010	20.14	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	21868	22.99	ug/l	99
82) 4-Chlorotoluene	11.51	91	167275	20.71	ug/l	100
83) tert-Butylbenzene	11.77	119	150326	18.93	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	176172	20.68	ug/l	99
85) sec-Butylbenzene	11.95	105	182559	18.04	ug/l	98
86) p-Isopropyltoluene	12.07	119	166263	18.60	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	106031	20.72	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	106672	20.17	ug/l	97
89) n-Butylbenzene	12.39	91	136363	16.74	ug/l	97
90) Hexachloroethane	12.60	117	25982	18.16	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	107852	20.82	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16108	23.57	ug/l	98

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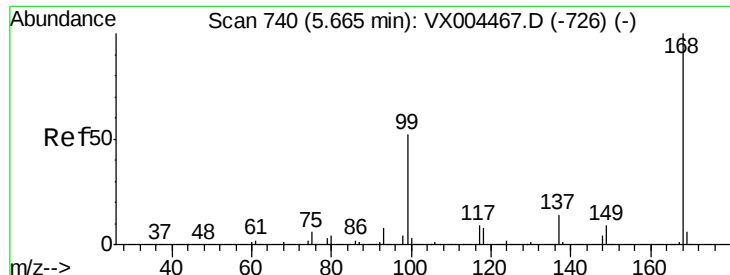
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	72526	19.77	ug/l	99
94) Hexachlorobutadiene	13.79	225	28582	14.92	ug/l	96
95) Naphthalene	13.83	128	228594	22.22	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	77204	20.49	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion:168 Resp: 156865

Ion Ratio Lower Upper

168 100

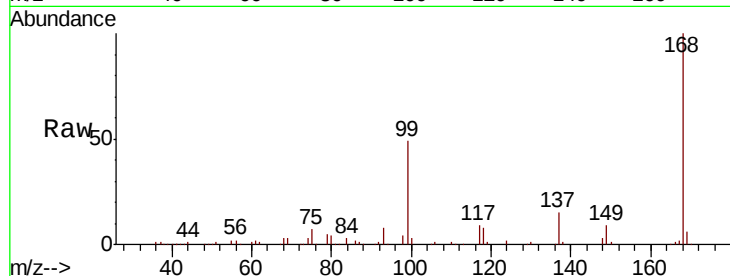
99 49.0 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

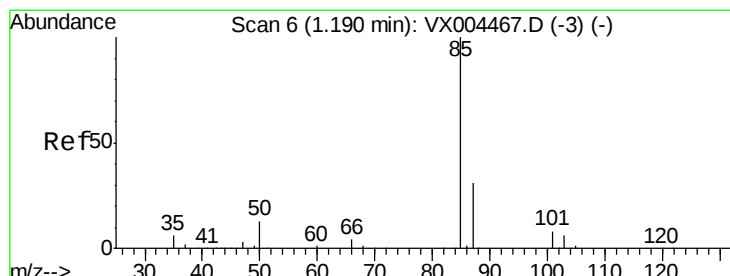
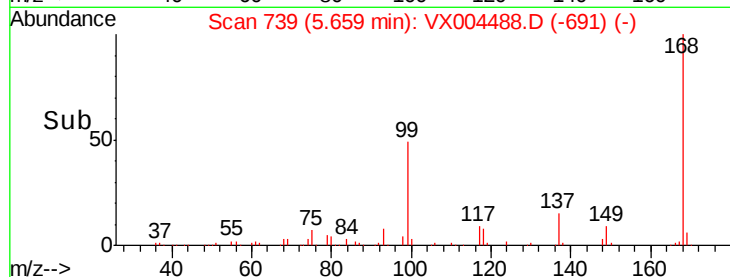
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.79 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004488.D

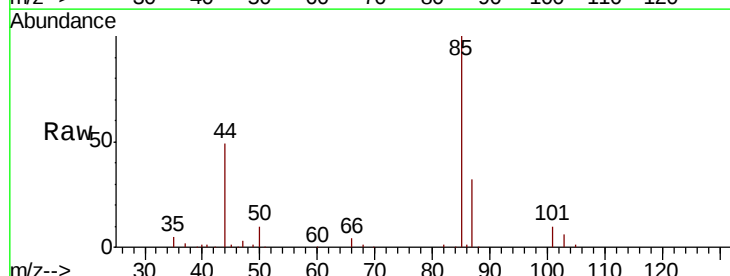
Acq: 12 Sep 2018 12:19

Tgt Ion: 85 Resp: 24690

Ion Ratio Lower Upper

85 100

87 32.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

25000

20000

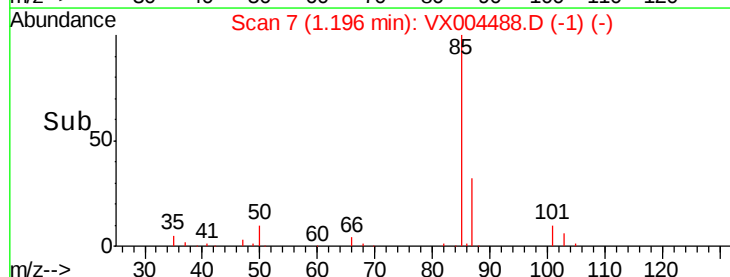
15000

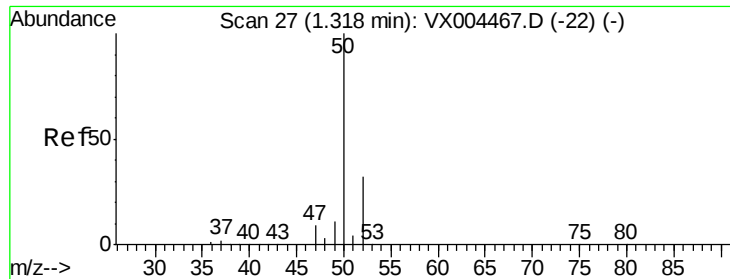
10000

5000

0

Time-->





#3

Chloromethane

Concen: 24.18 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion: 50 Resp: 48913

Ion Ratio Lower Upper

50 100

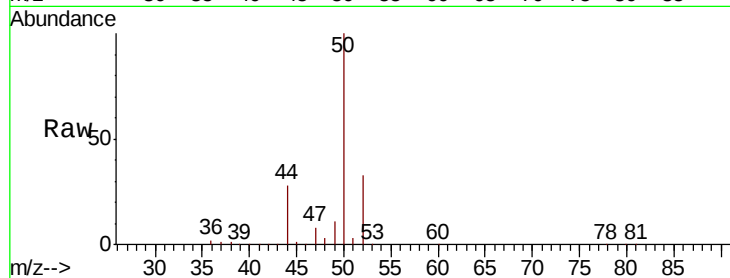
52 32.9 26.2 39.2

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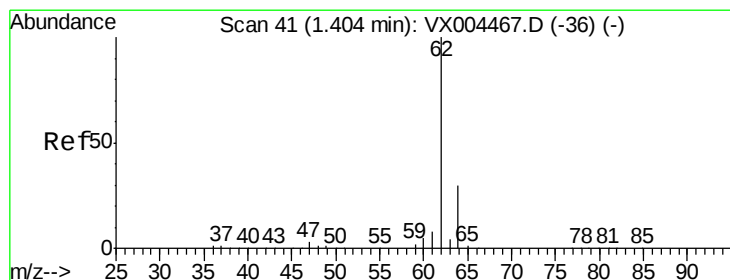
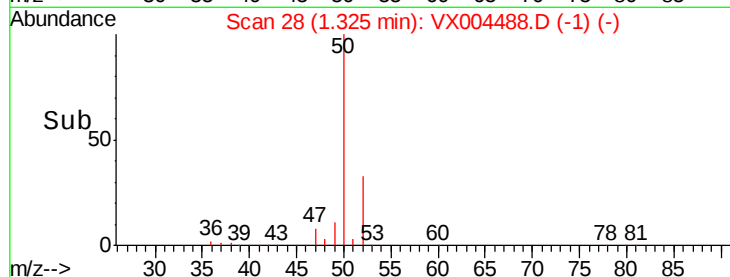
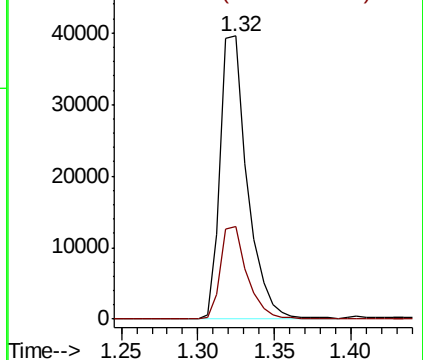
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.31 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004488.D

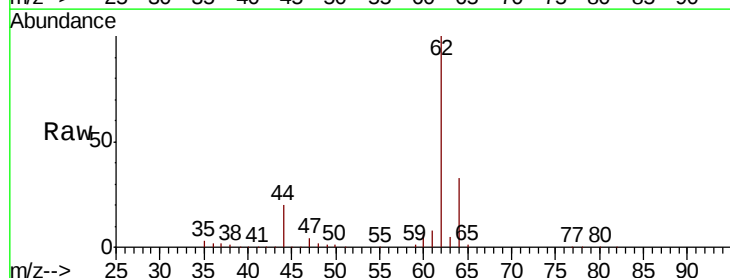
Acq: 12 Sep 2018 12:19

Tgt Ion: 62 Resp: 44257

Ion Ratio Lower Upper

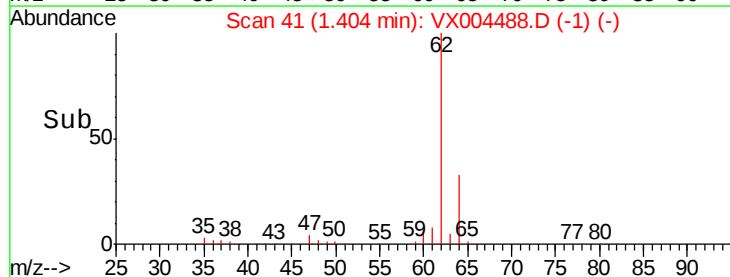
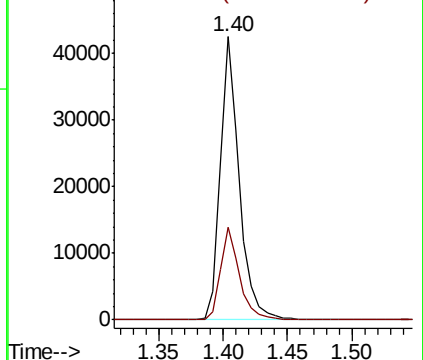
62 100

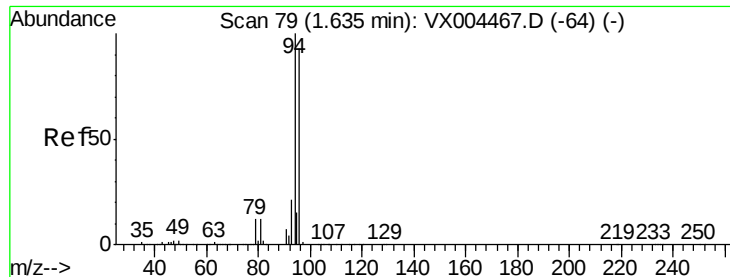
64 32.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 31.50 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion: 94 Resp: 27765

Ion Ratio Lower Upper

94 100

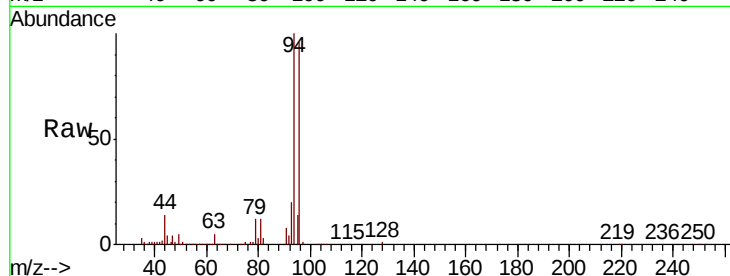
96 96.1 74.5 111.7

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

30000

25000

20000

15000

10000

5000

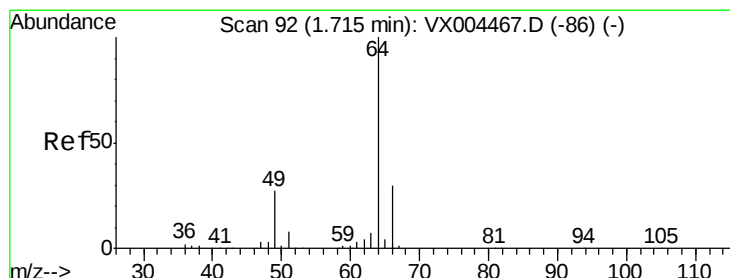
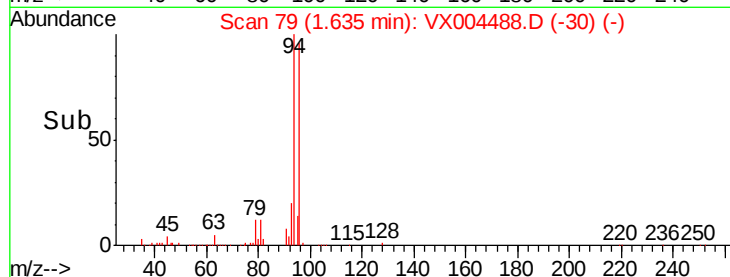
0

1.60

1.64

1.70

Time-->



#6

Chloroethane

Concen: 22.86 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004488.D

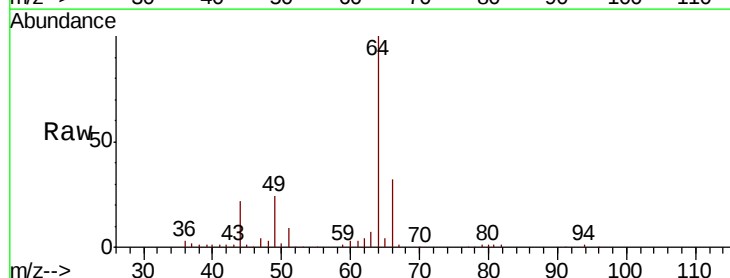
Acq: 12 Sep 2018 12:19

Tgt Ion: 64 Resp: 30696

Ion Ratio Lower Upper

64 100

66 31.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

25000

20000

15000

10000

5000

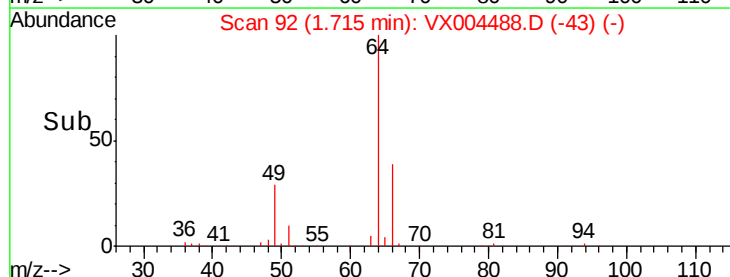
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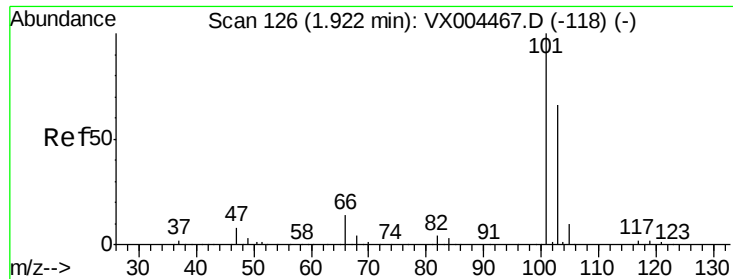
1.70

1.71

1.80

Time-->





#7

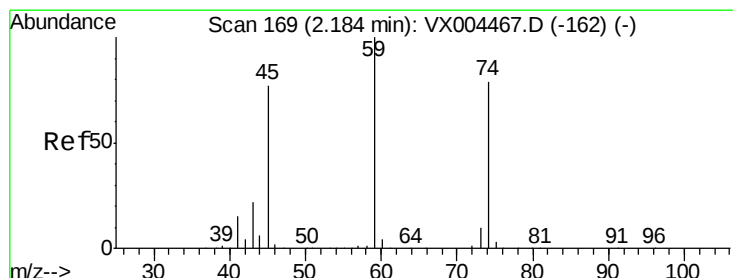
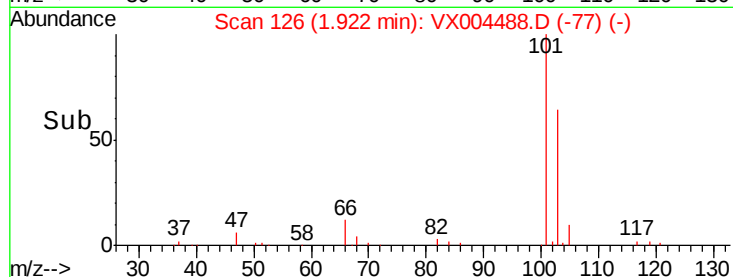
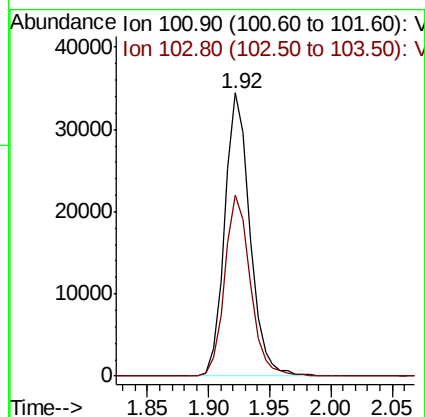
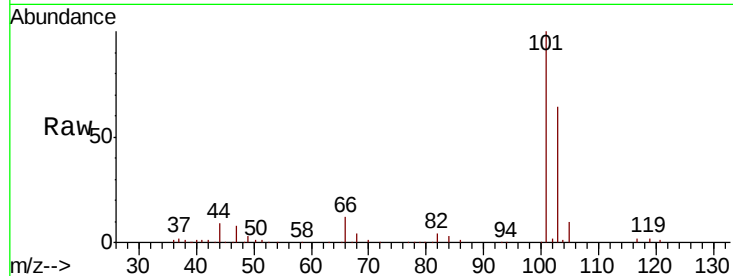
Trichlorofluoromethane
Concen: 17.90 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
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ClientSampleId :
VX0912MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	48.9	73.3

Manual Integrations
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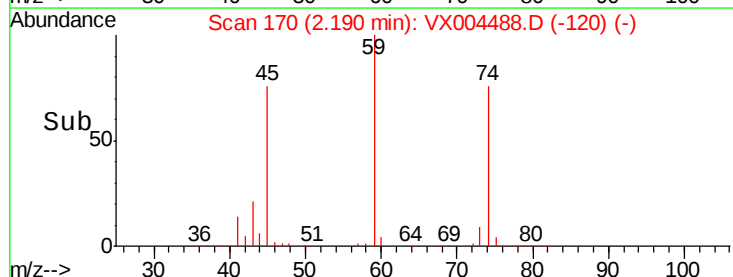
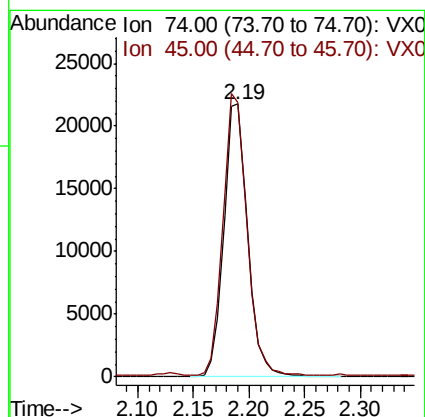
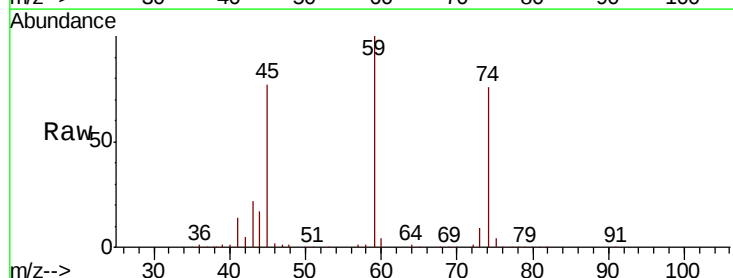
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9/13/2018 10:58:15 AM



#8

Diethyl Ether
Concen: 26.29 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.53 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

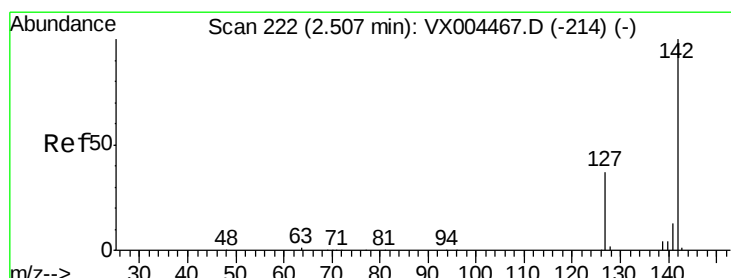
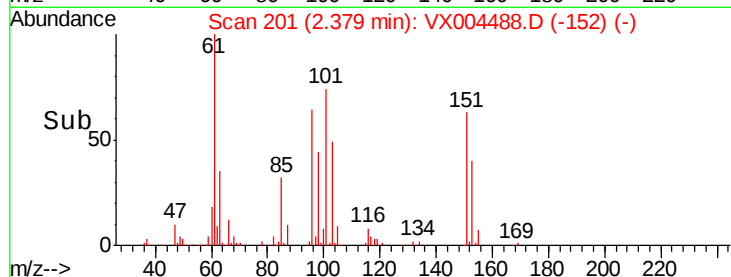
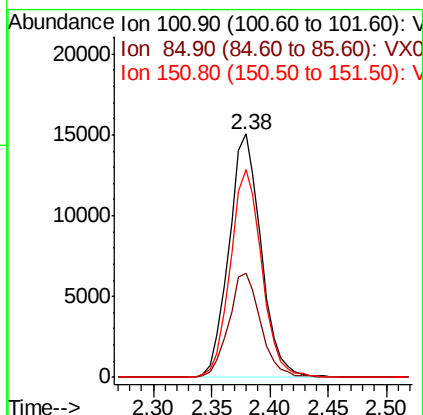
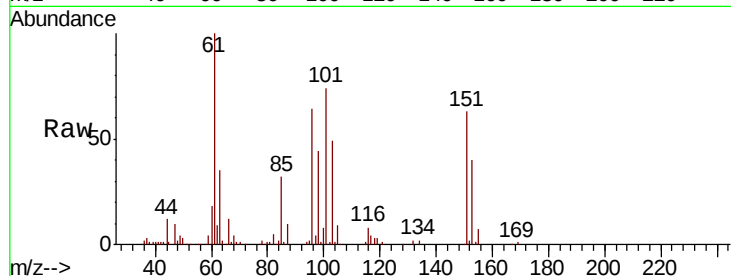
ClientSampleId :

VX0912MBS01

Tot Ion:	101	Resp:	28872
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	84.1	65.0	97.6

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#10

Methyl Iodide

Concen: 22.83 ug/l

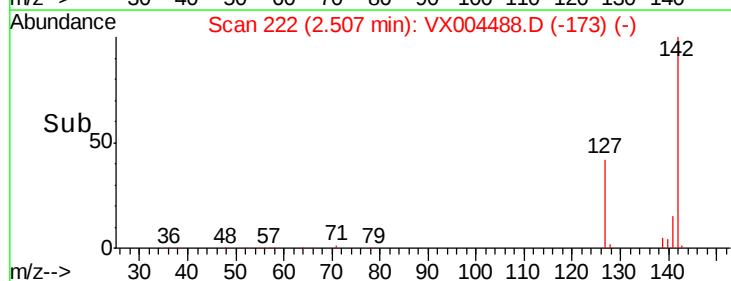
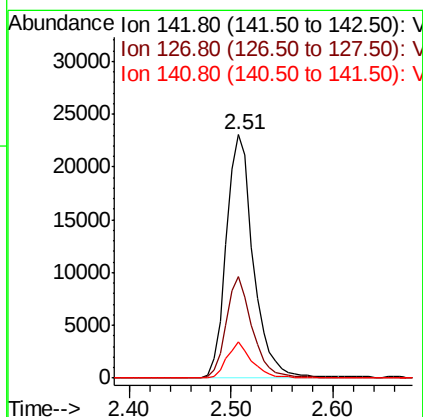
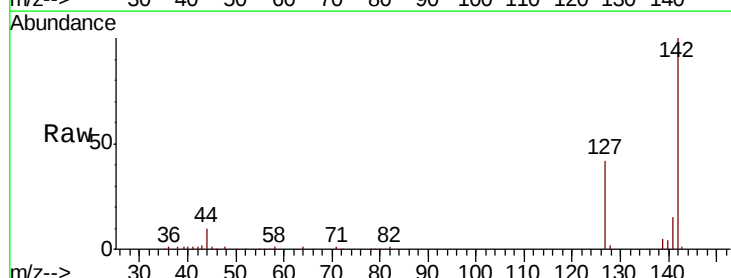
RT: 2.51 min Scan# 222

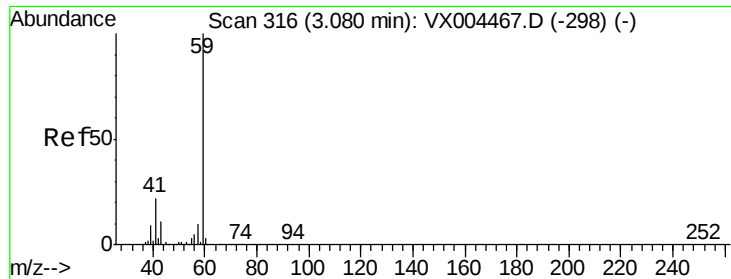
Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Tgt Ion:	142	Resp:	42374
Ion Ratio	Lower	Upper	
142	100		
127	40.6	33.8	50.6
141	13.6	11.4	17.0





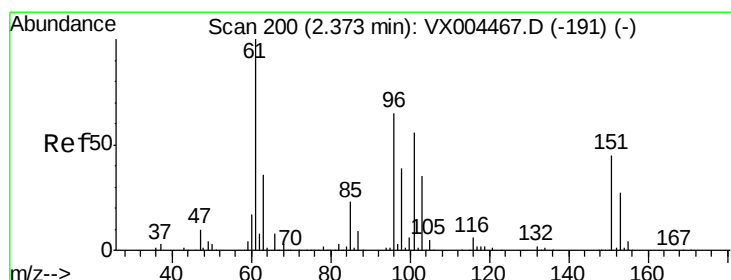
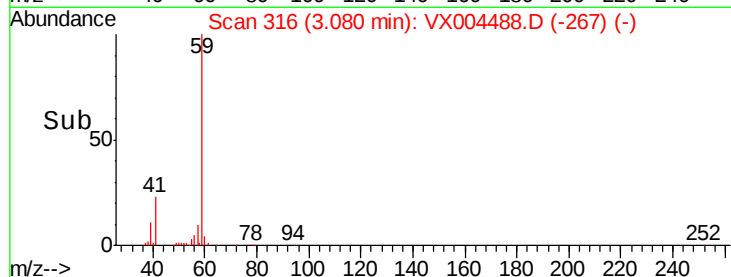
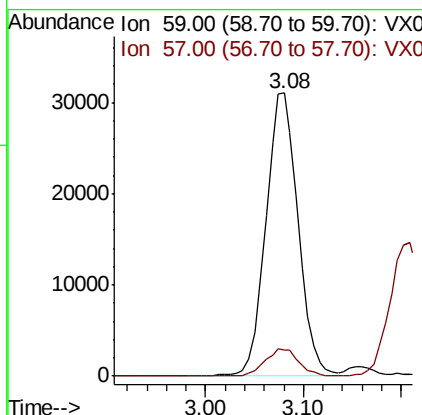
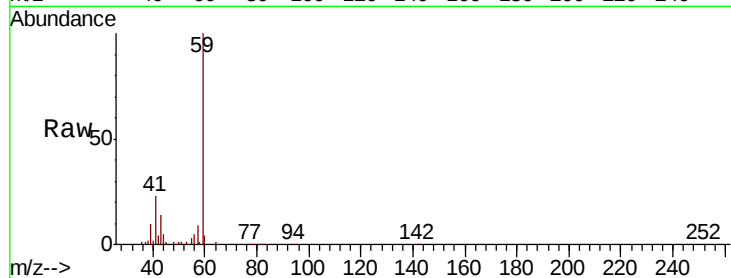
#11
Tert butyl alcohol
Concen: 148.10 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS01

Tot Ion: 59 Resp: 71478
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.4

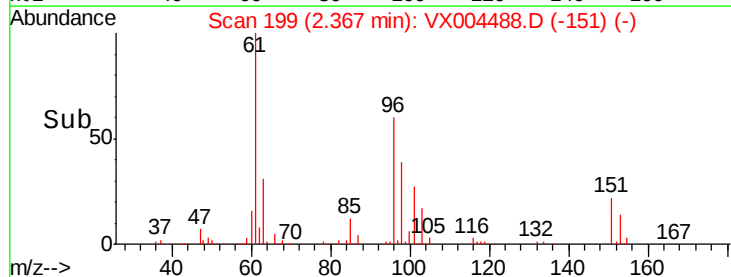
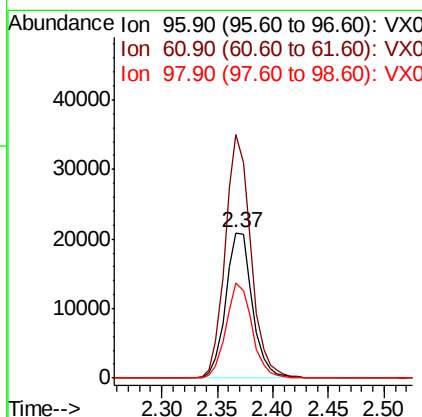
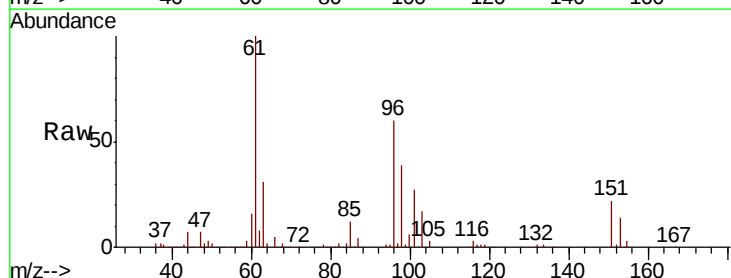
Manual Integrations
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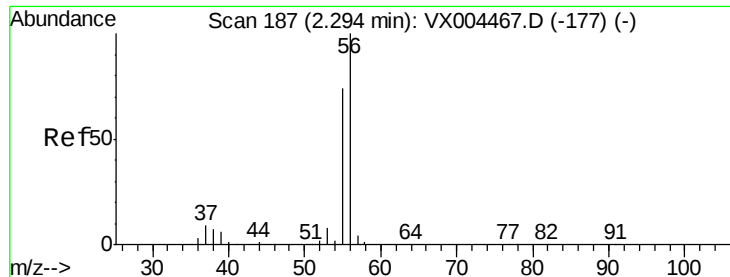
MMDadoda
9/13/2018 10:58:15 AM



#12
1,1-Dichloroethene
Concen: 21.15 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion: 96 Resp: 34668
Ion Ratio Lower Upper
96 100
61 167.8 128.8 193.2
98 65.2 52.2 78.2





#13

Acrolein

Concen: 159.51 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion: 56 Resp: 30389

Ion Ratio Lower Upper

56 100

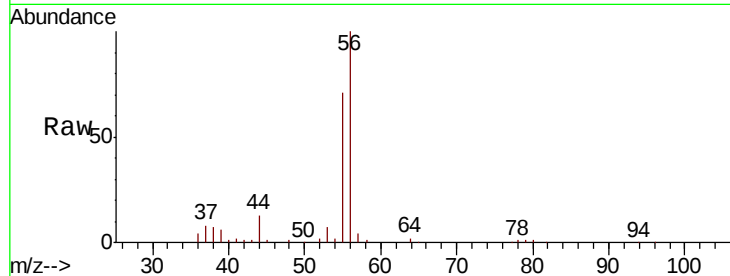
55 72.8 54.7 82.1

Manual Integrations

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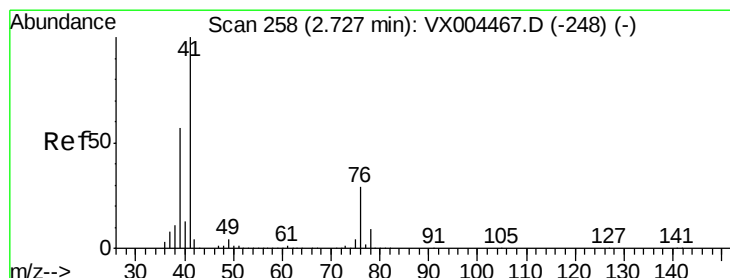
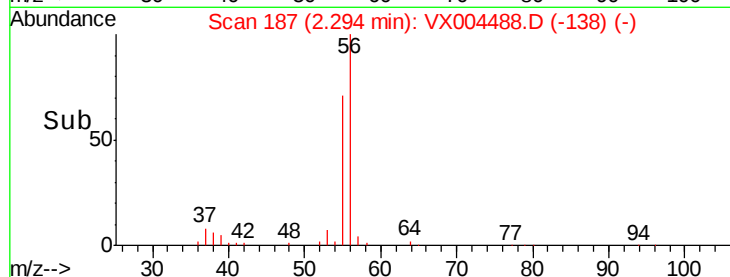
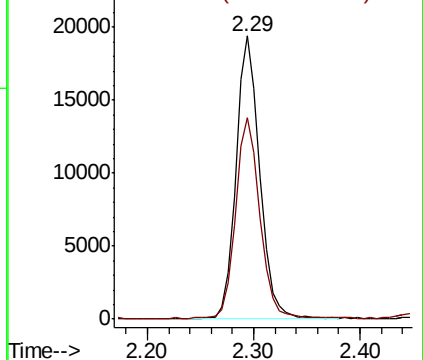
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 25.25 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

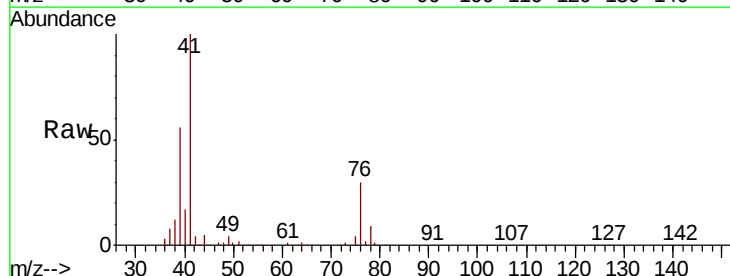
Tgt Ion: 41 Resp: 85100

Ion Ratio Lower Upper

41 100

39 55.7 48.9 73.3

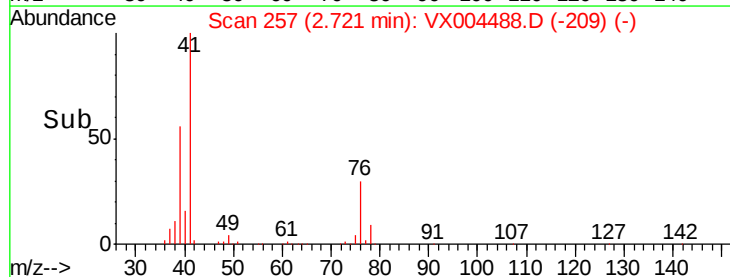
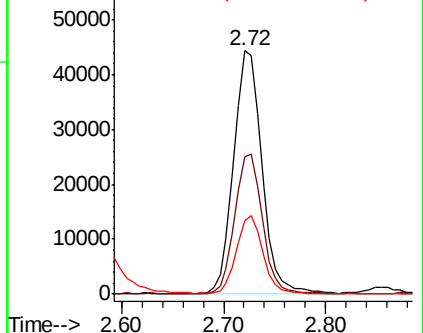
76 30.3 26.7 40.1

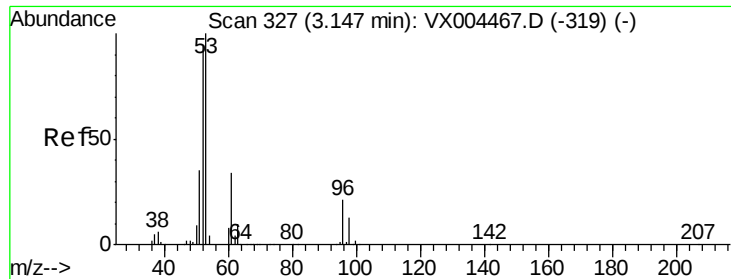


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 142.70 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

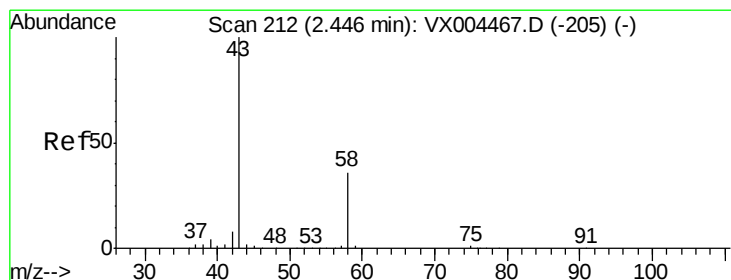
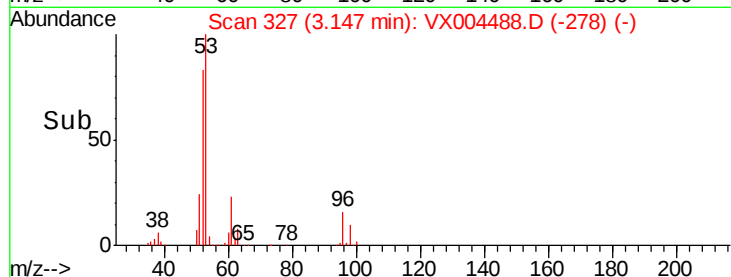
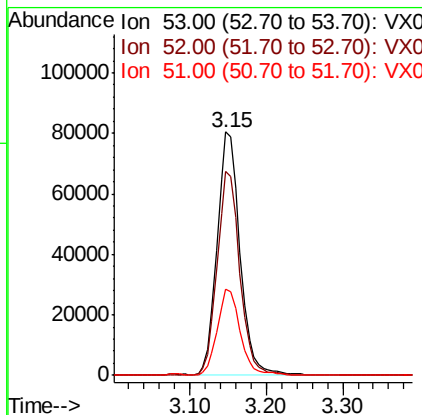
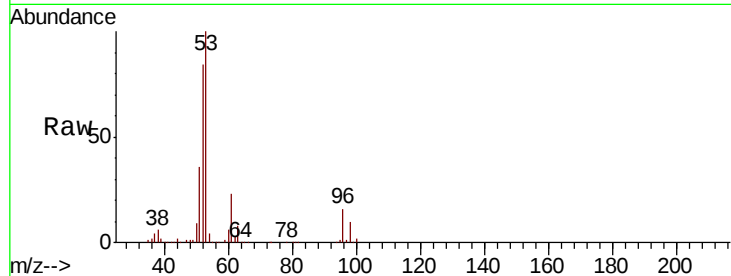
ClientSampleId :

VX0912MBS01

Tot Ion:	53	Resp:	165848
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.2	97.8
51	35.6	28.2	42.2

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#16

Acetone

Concen: 135.87 ug/l

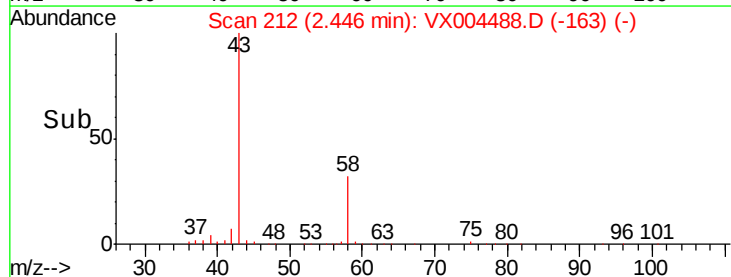
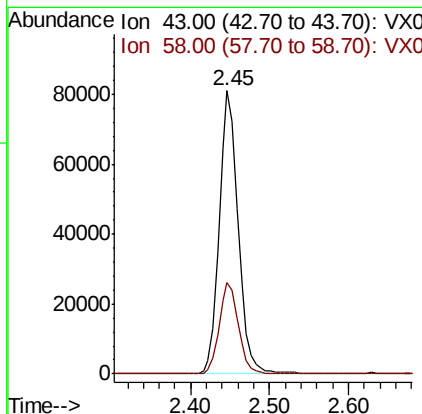
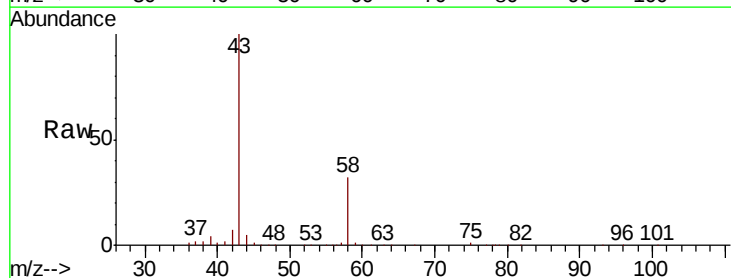
RT: 2.45 min Scan# 212

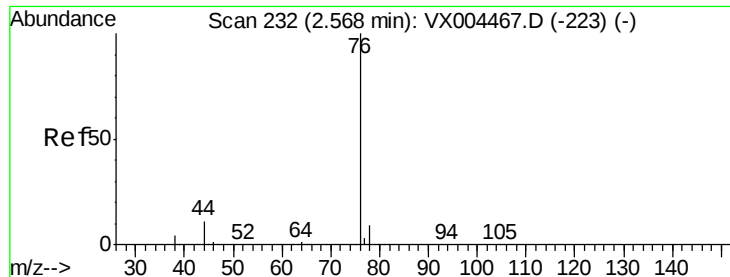
Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Tgt Ion:	43	Resp:	134133
Ion Ratio	Lower	Upper	
43	100		
58	32.5	26.2	39.4





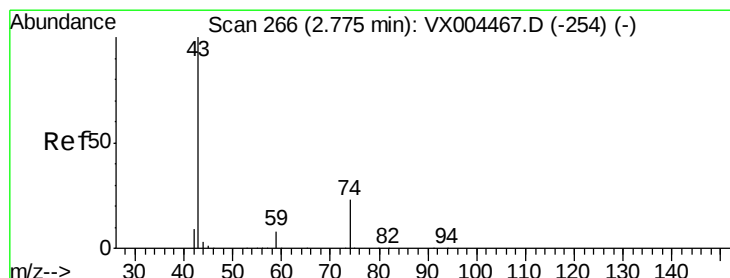
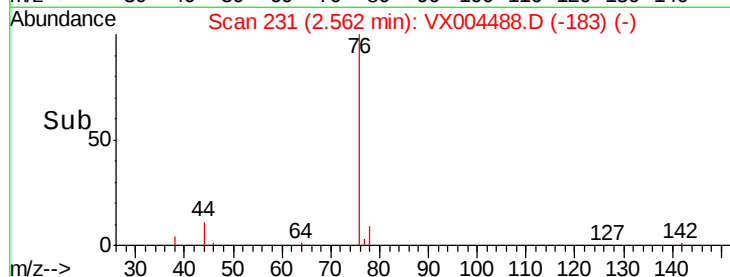
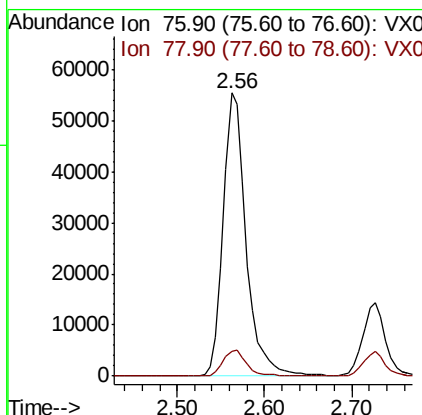
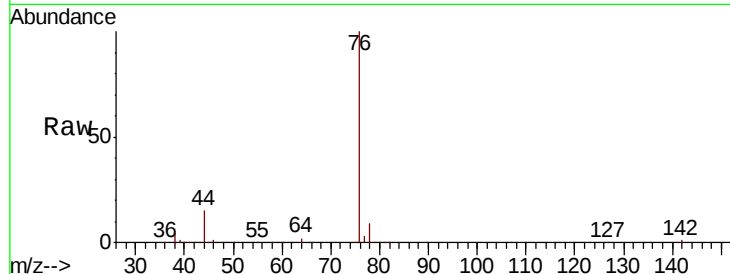
#17
Carbon Disulfide
Concen: 21.23 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

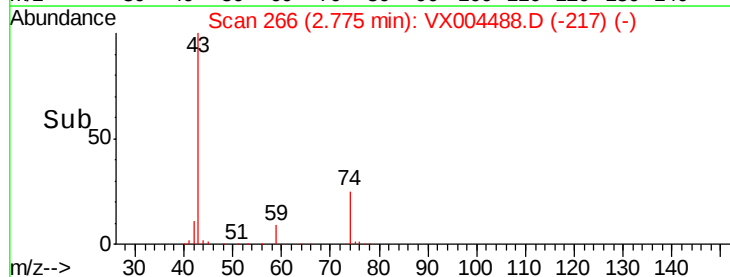
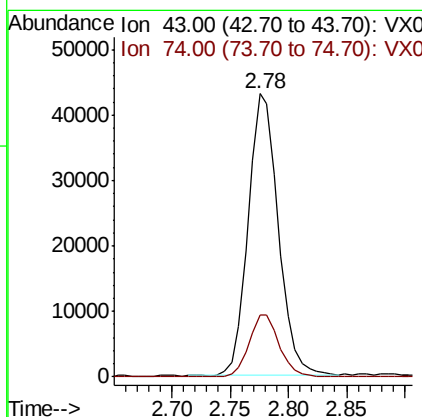
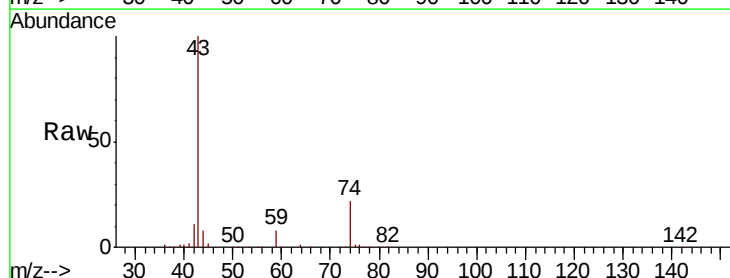
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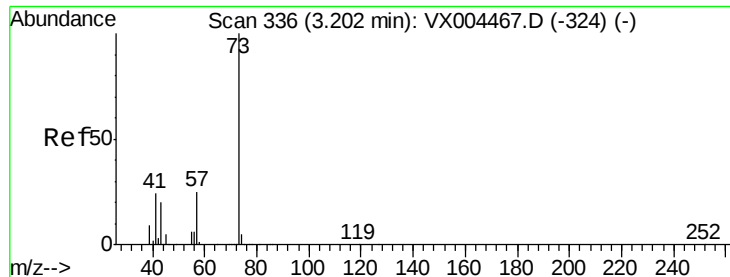
MMDadoda
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#18
Methyl Acetate
Concen: 28.15 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	19.4	29.2





#19

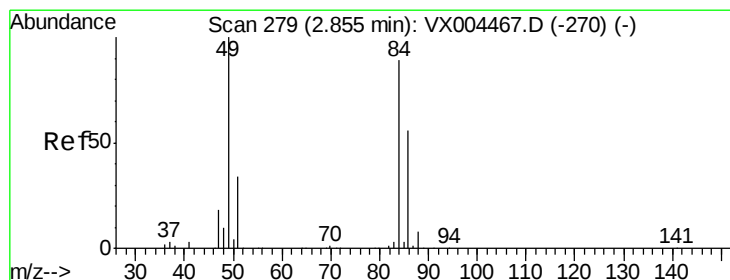
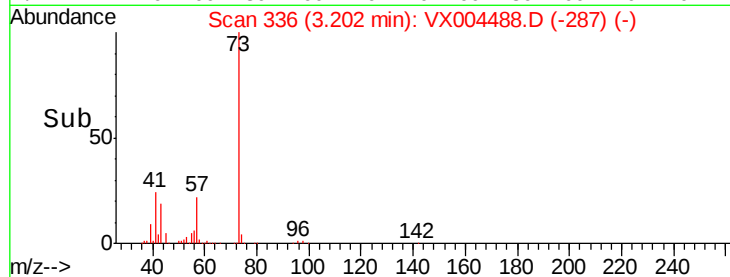
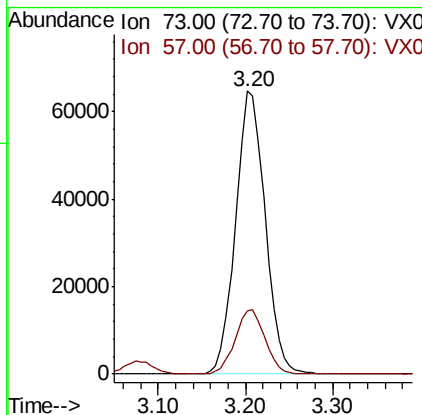
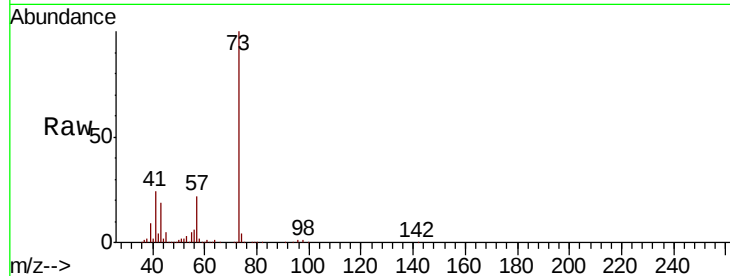
Methyl tert-butyl Ether
 Concen: 26.54 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.1	25.7

Manual Integrations
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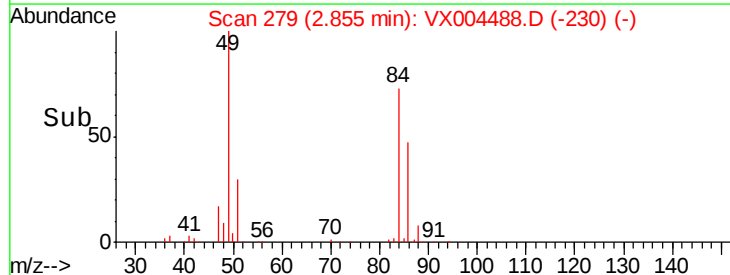
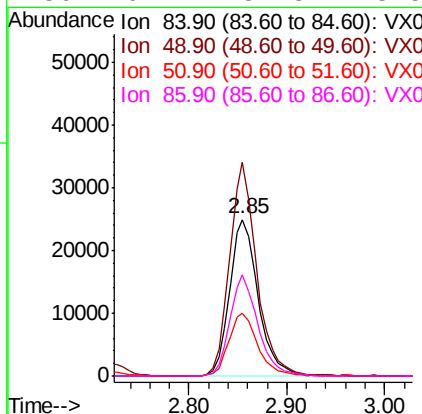
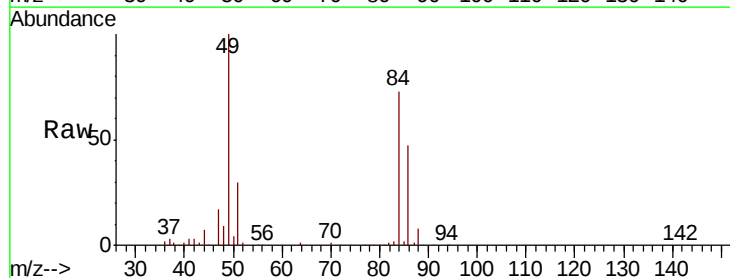
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#20

Methylene Chloride
 Concen: 24.91 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.3	101.2	151.8
51	40.1	29.5	44.3
86	64.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 23.12 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

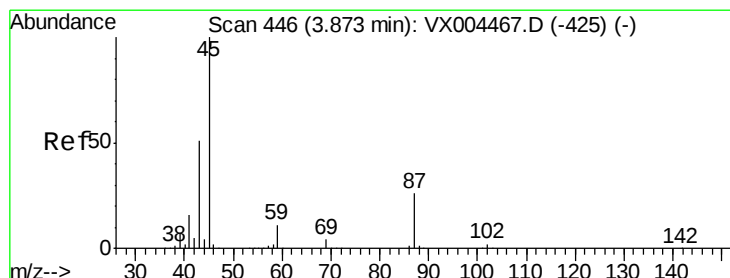
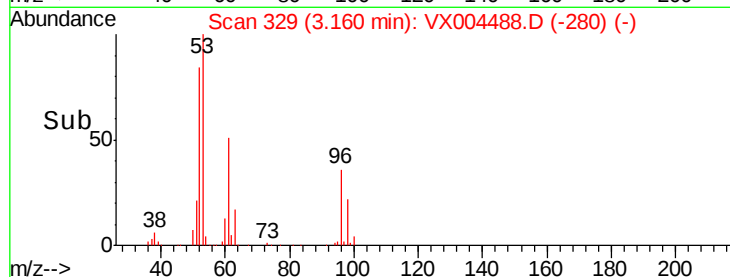
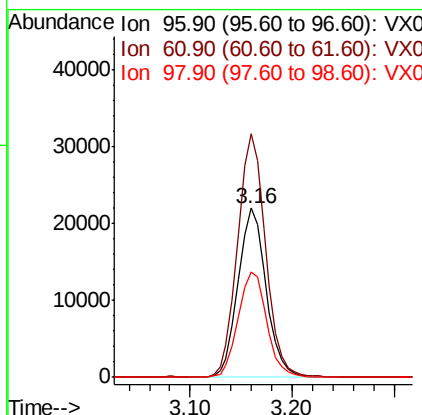
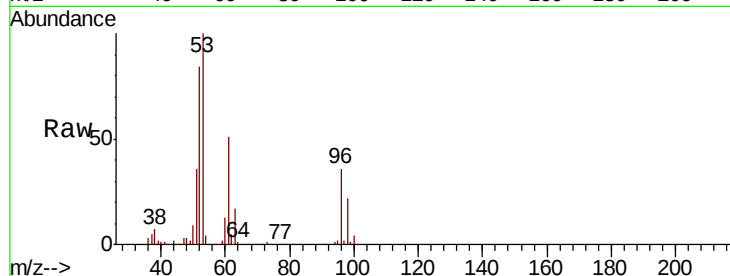
ClientSampleId :

VX0912MBS01

Tot Ion:	96	Resp:	41874
Ion	Ratio	Lower	Upper
96	100		
61	144.2	113.8	170.6
98	62.5	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 24.61 ug/l

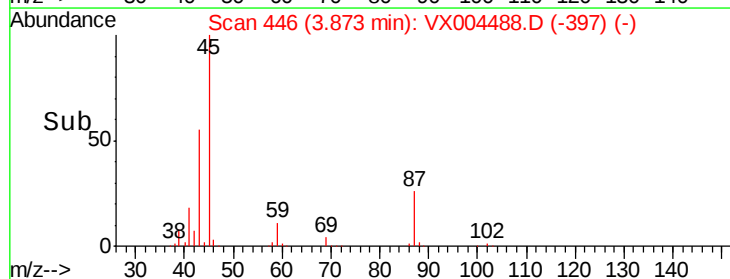
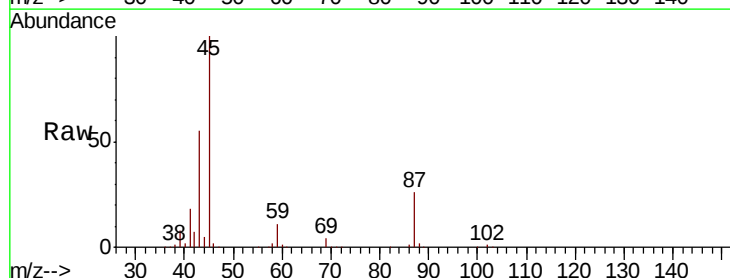
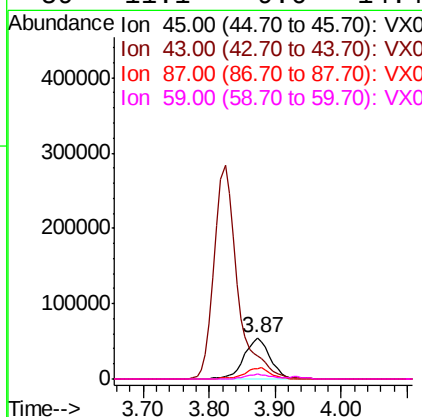
RT: 3.87 min Scan# 446

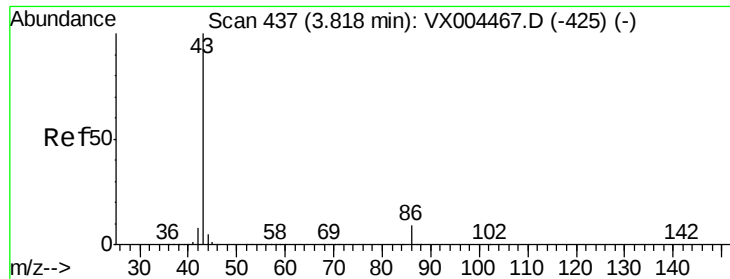
Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Tgt Ion:	45	Resp:	149332
Ion	Ratio	Lower	Upper
45	100		
43	55.1	42.8	64.2
87	25.8	22.6	34.0
59	11.1	9.6	14.4





#23

Vinyl Acetate

Concen: 142.15 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion: 43 Resp: 698126

Ion Ratio Lower Upper

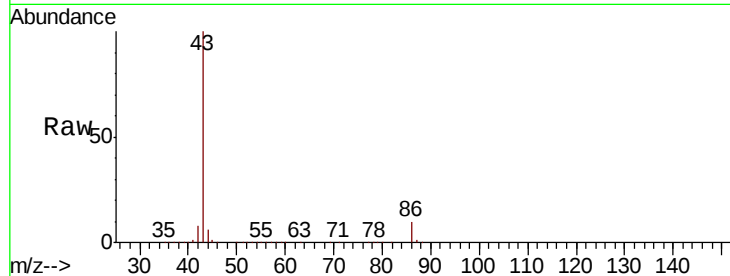
43 100

86 9.6 8.9 13.3

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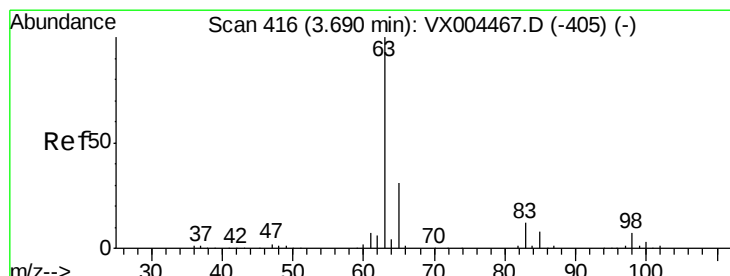
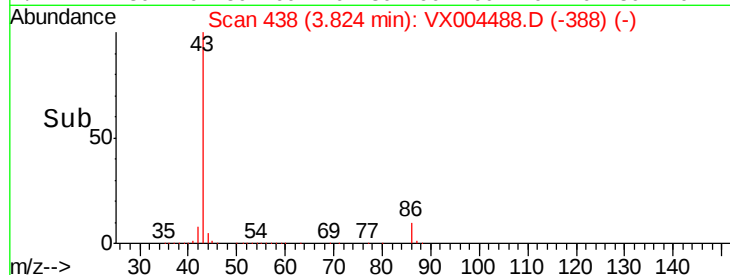
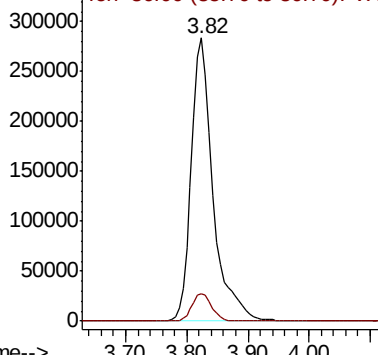
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 25.48 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

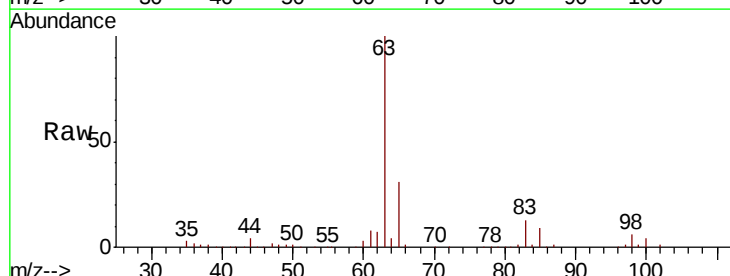
Tgt Ion: 63 Resp: 87307

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

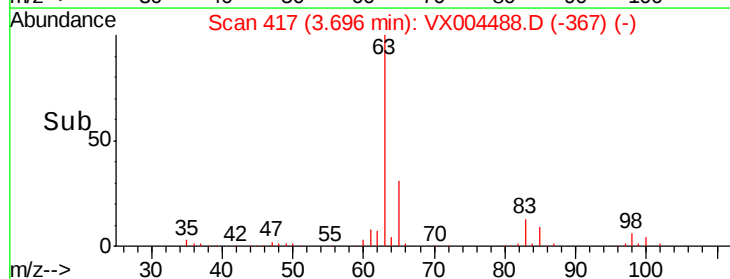
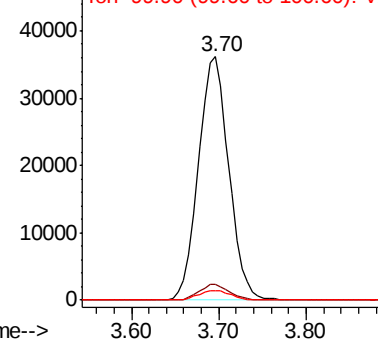
100 3.9 2.4 7.1

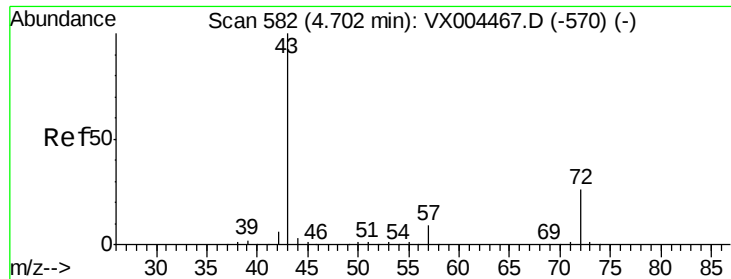


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 128.39 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion: 43 Resp: 201713

Ion Ratio Lower Upper

43 100

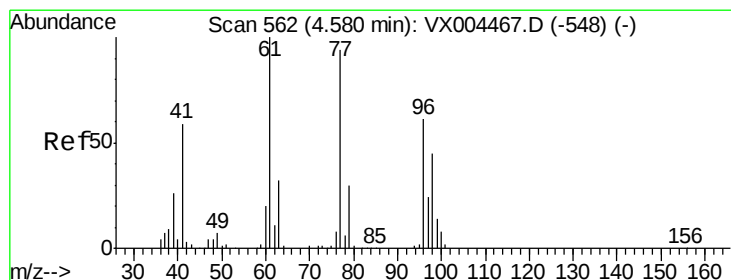
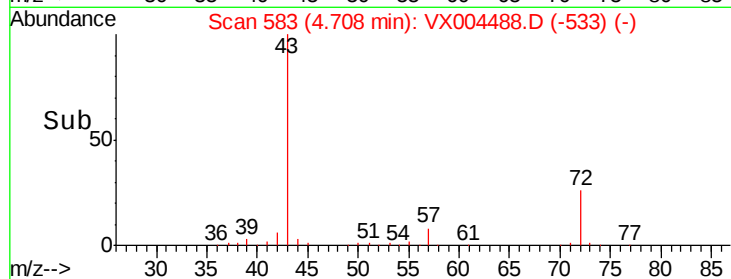
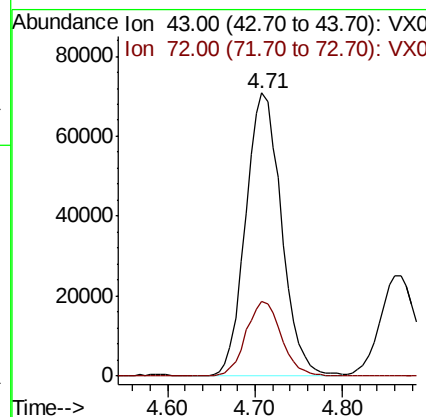
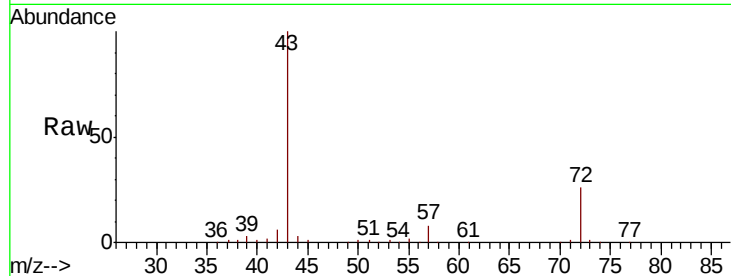
72 26.3 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.74 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004488.D

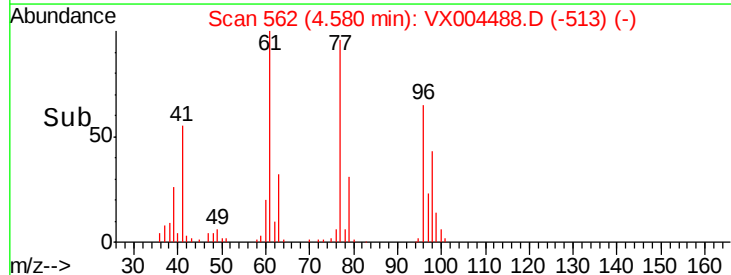
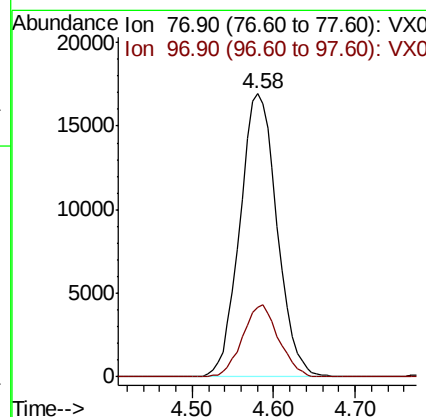
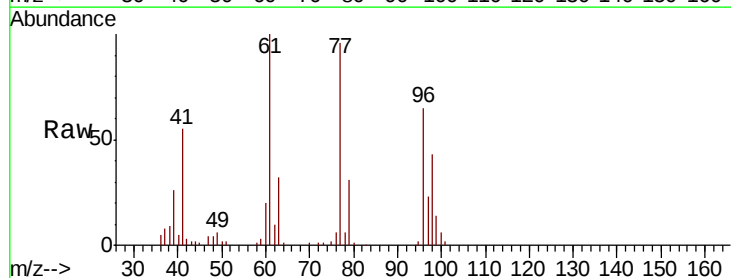
Acq: 12 Sep 2018 12:19

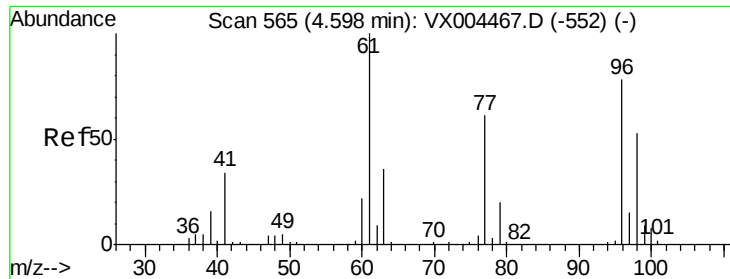
Tgt Ion: 77 Resp: 53525

Ion Ratio Lower Upper

77 100

97 24.7 11.7 35.0





#27

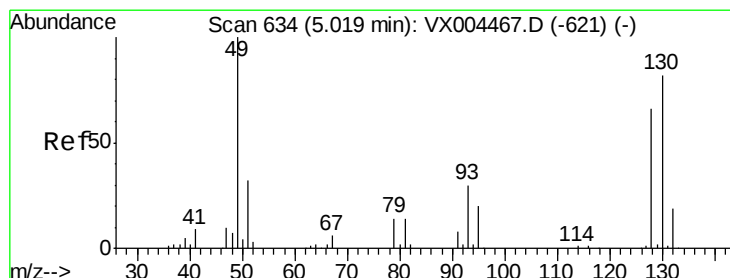
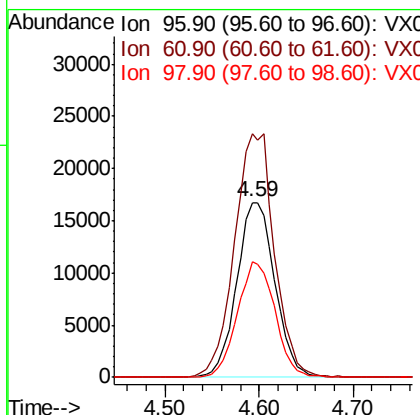
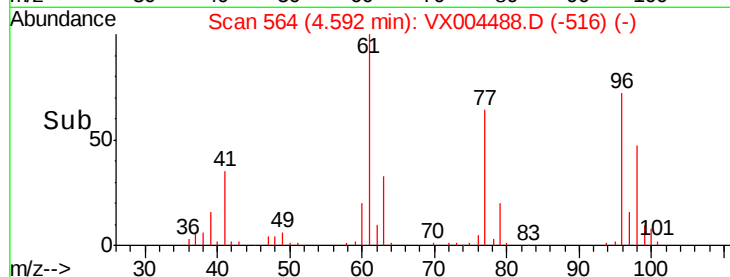
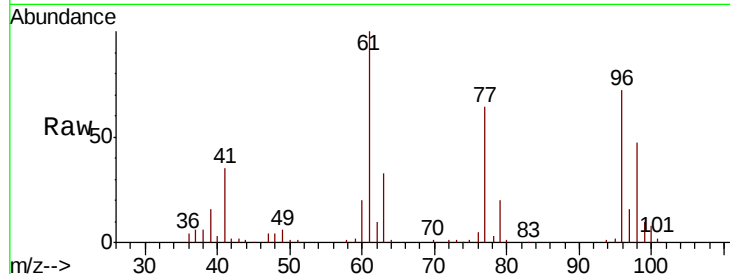
cis-1,2-Dichloroethene
Concen: 23.53 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	282.6
98	64.9	0.0	130.2

Manual Integrations
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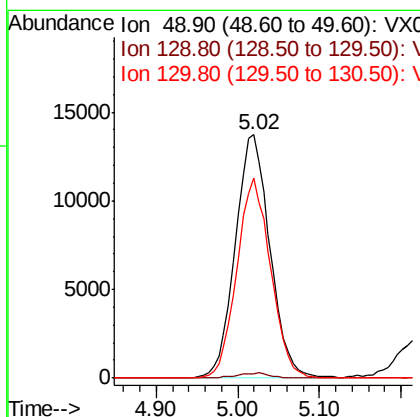
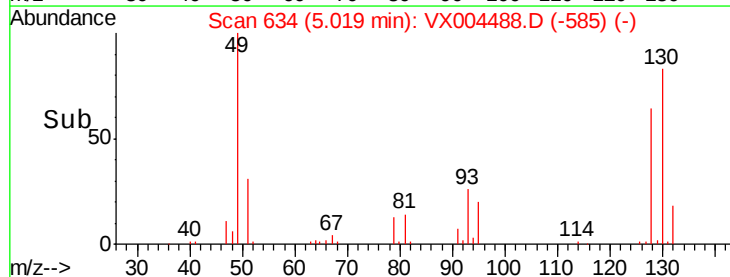
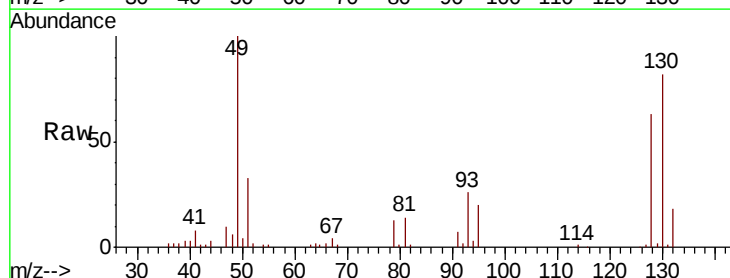
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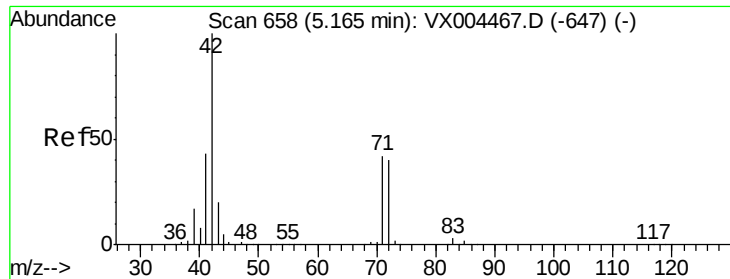


#28

Bromochloromethane
Concen: 25.74 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	80.1	67.5	101.3





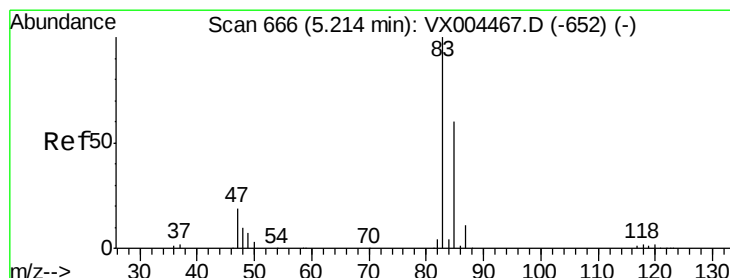
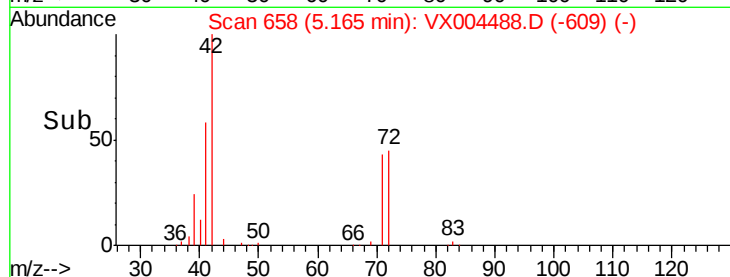
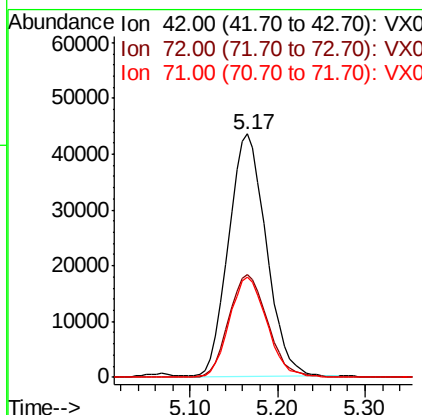
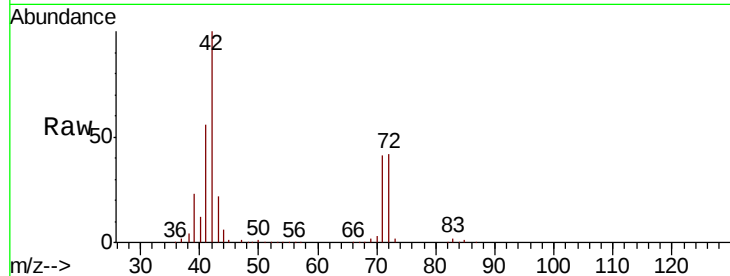
#29
Tetrahydrofuran
Concen: 137.93 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	37.4	56.0
71	40.9	34.5	51.7

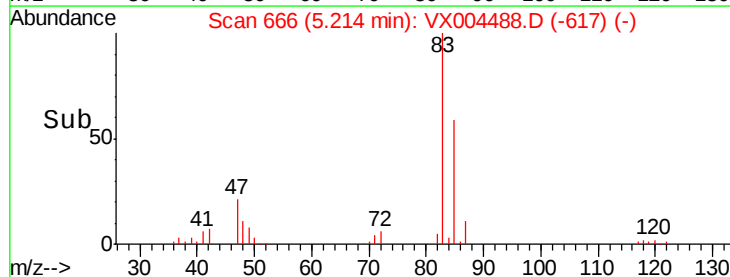
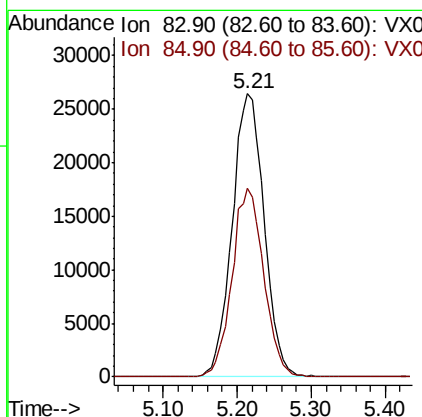
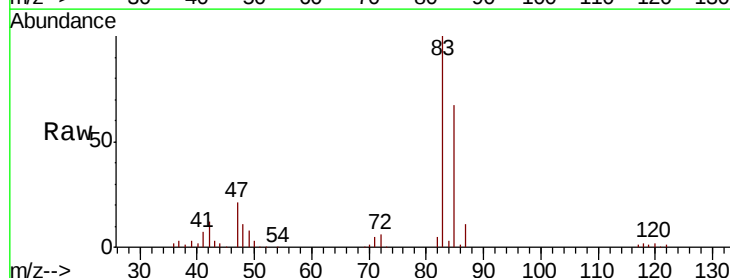
Manual Integrations
APPROVED

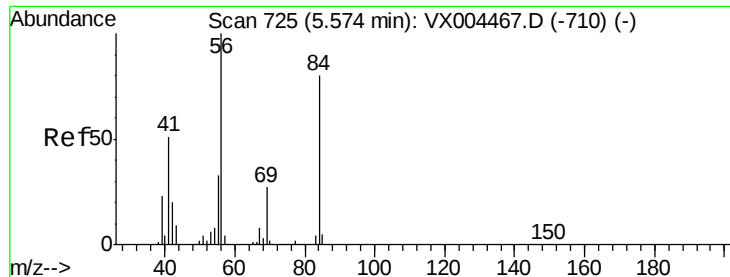
MMDadoda
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#30
Chloroform
Concen: 23.78 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.6	79.0





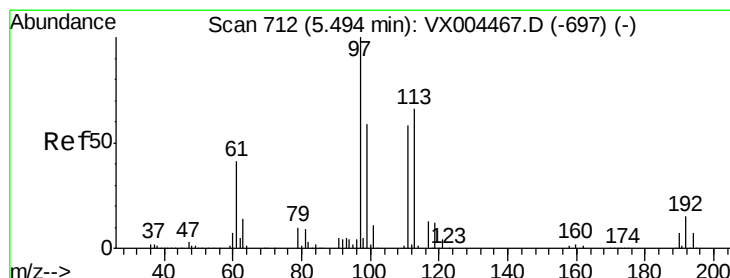
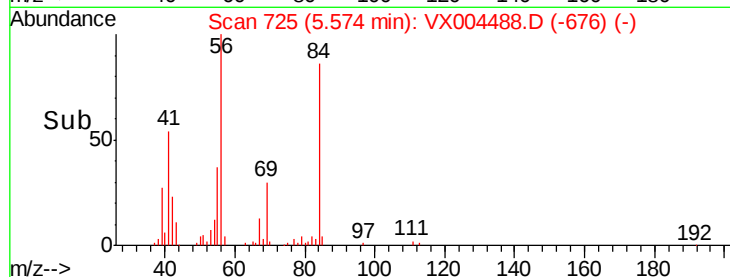
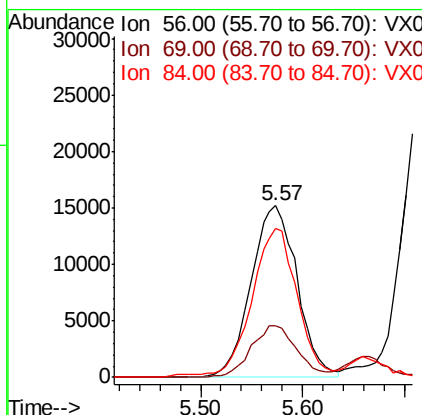
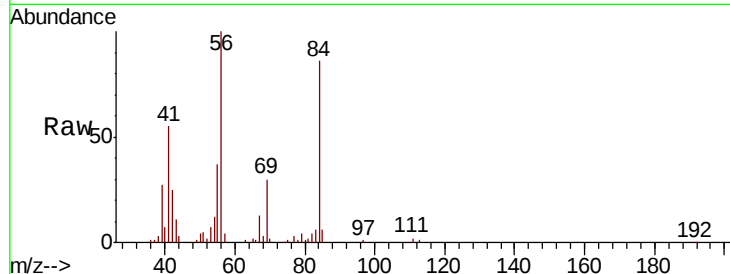
#31
Cvclohexane
Concen: 16.24 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.4	38.2
84	84.5	71.4	107.2

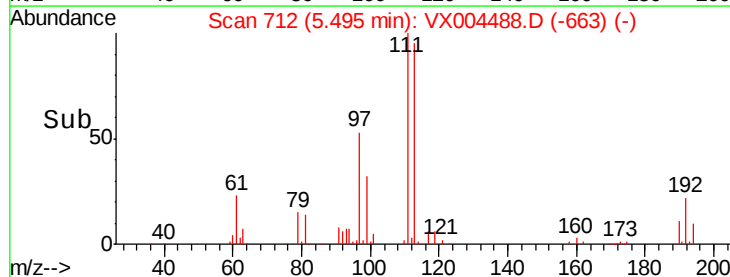
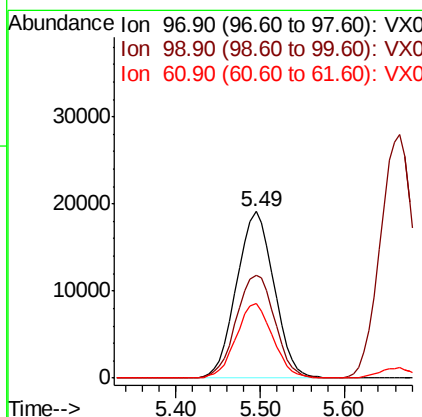
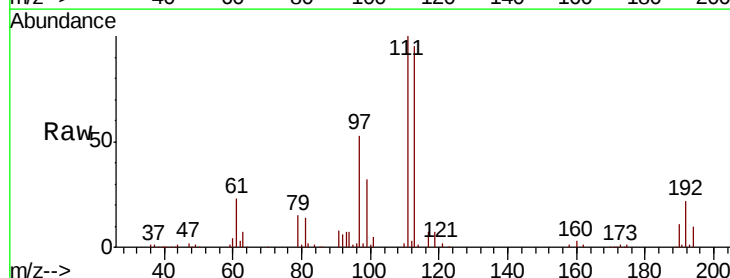
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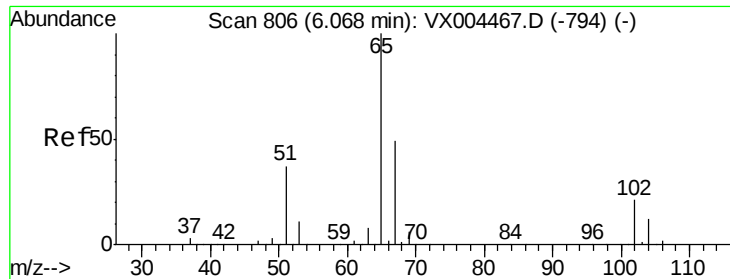
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#32
1,1,1-Trichloroethane
Concen: 21.43 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.0	78.0
61	43.8	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 65.76 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion: 65 Resp: 132998

Ion Ratio Lower Upper

65 100

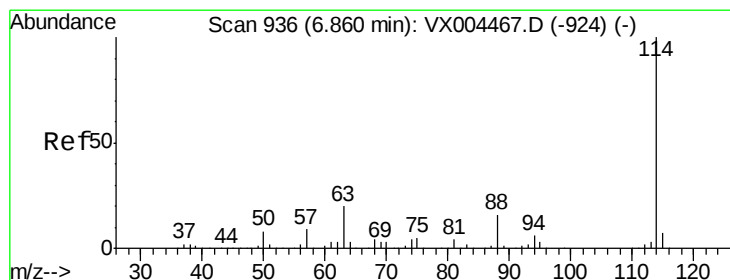
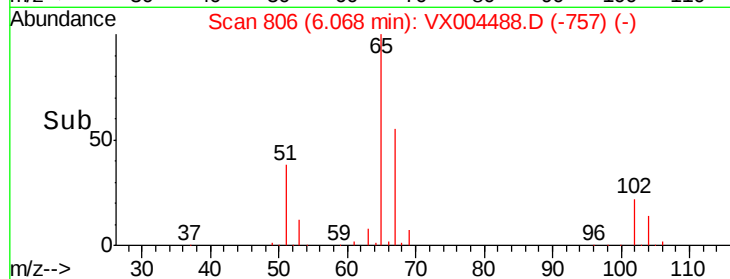
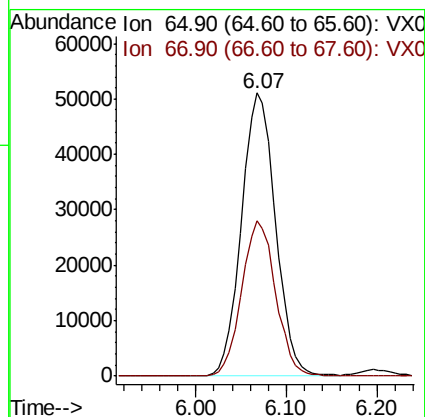
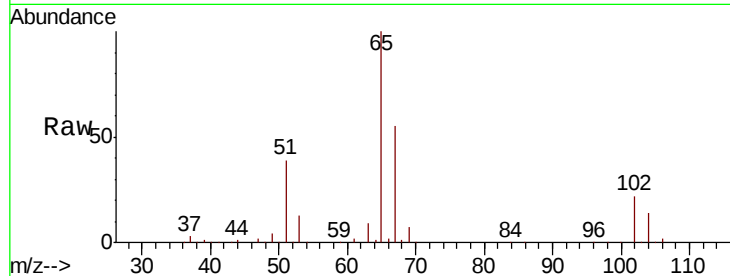
67 54.6 0.0 106.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

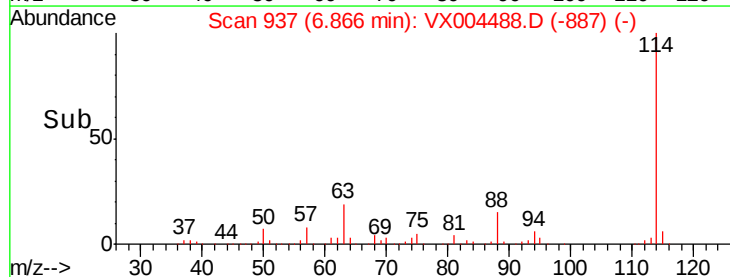
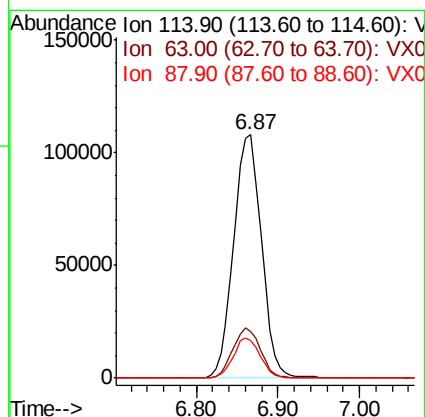
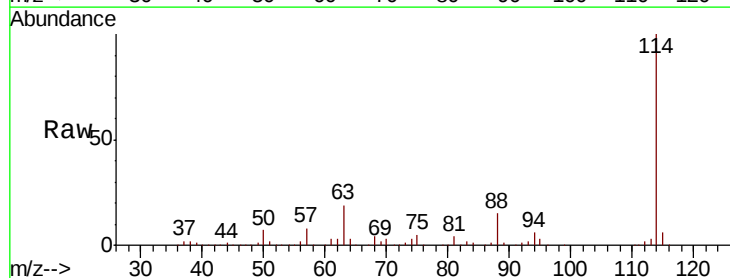
Tgt Ion: 114 Resp: 255070

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.0

88 15.5 0.0 30.4





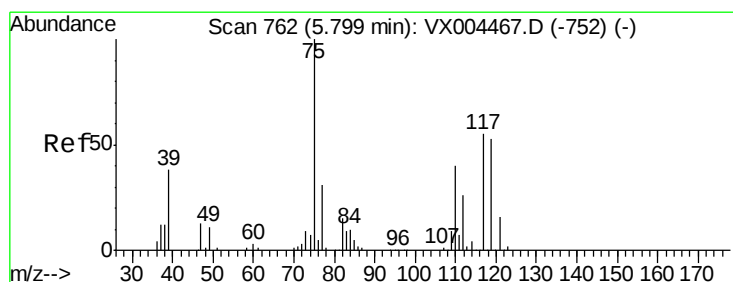
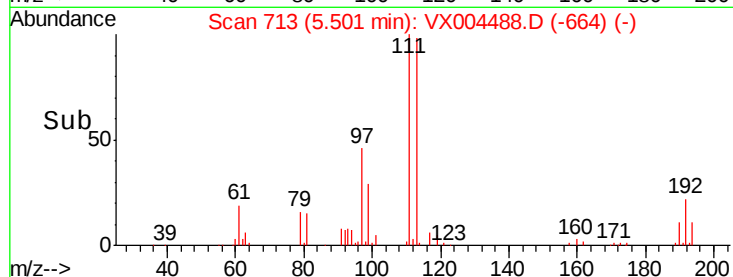
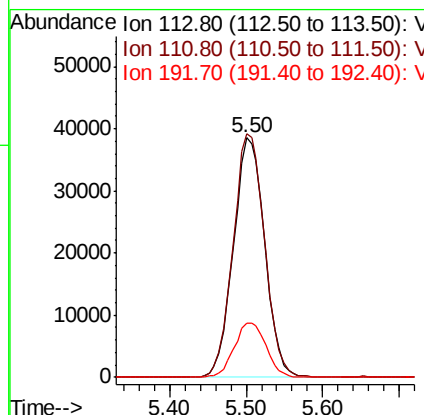
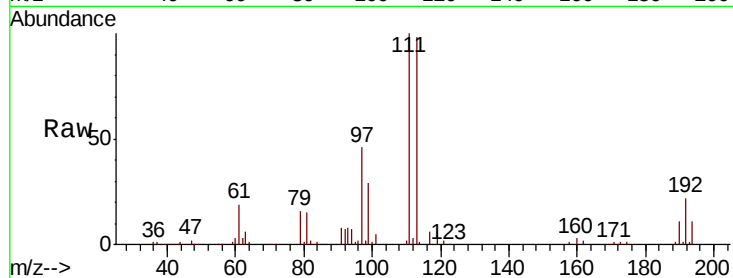
#35
 Dibromofluoromethane
 Concen: 46.73 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109074		
111	102.3	82.4	123.6	
192	23.4	19.4	29.2	

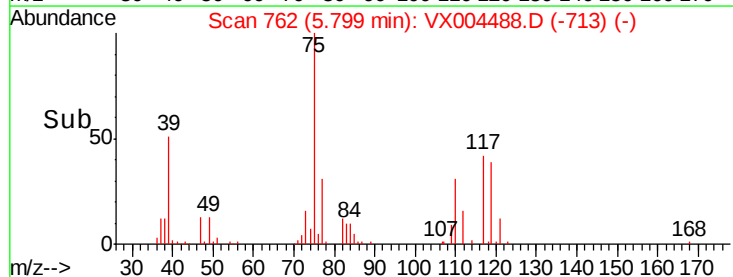
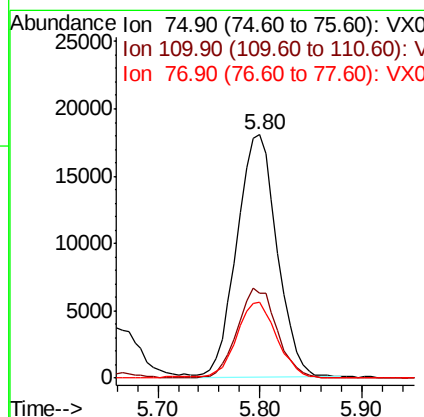
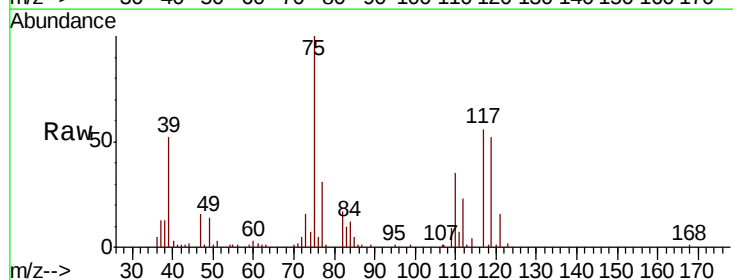
Manual Integrations
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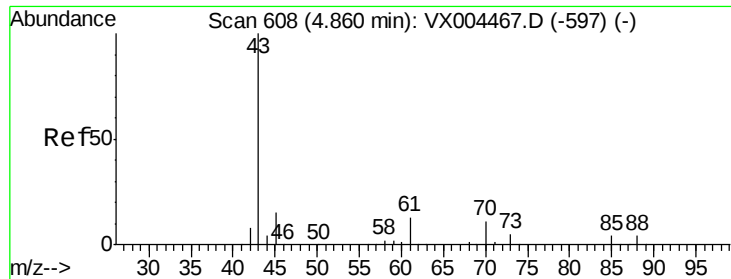
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#36
 1,1-Dichloropropene
 Concen: 15.99 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49508		
110	36.2	18.0	54.0	
77	31.2	24.6	36.8	





#37

Ethyl Acetate

Concen: 21.09 ug/l

RT: 4.87 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

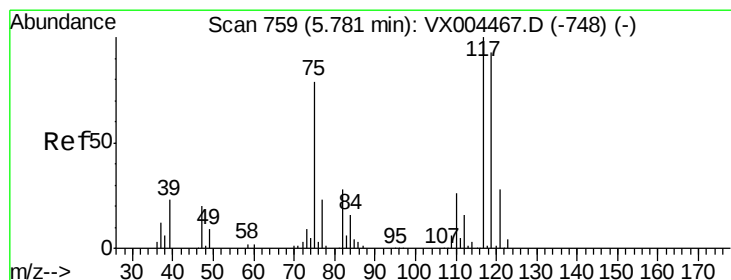
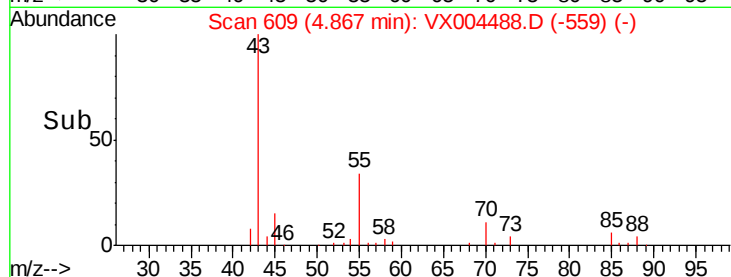
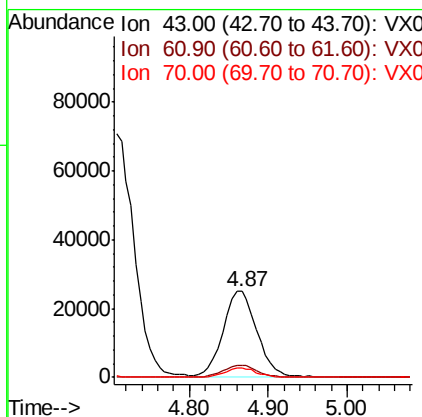
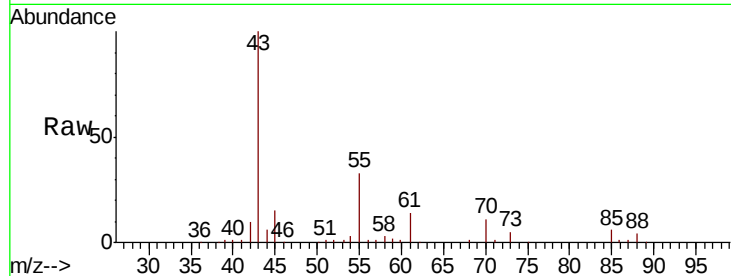
ClientSampleId :

VX0912MBS01

Tot Ion:	43	Resp:	74277
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.5	17.3
70	10.8	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 15.43 ug/l

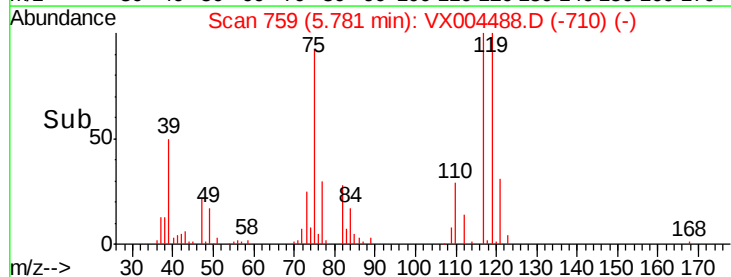
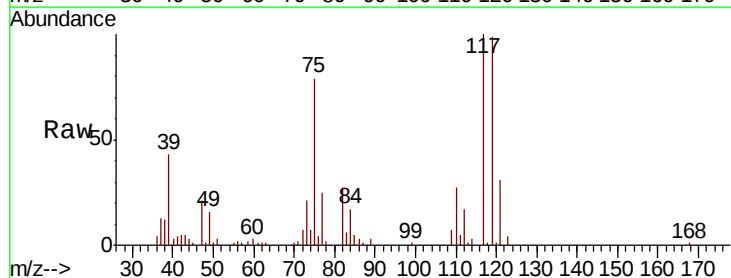
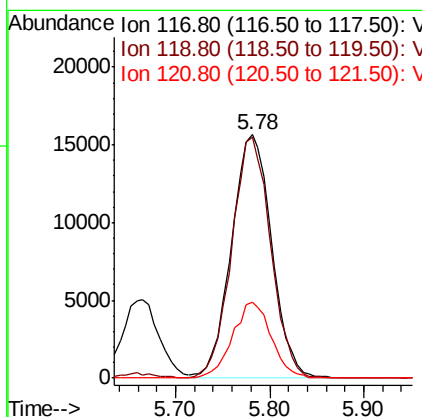
RT: 5.78 min Scan# 759

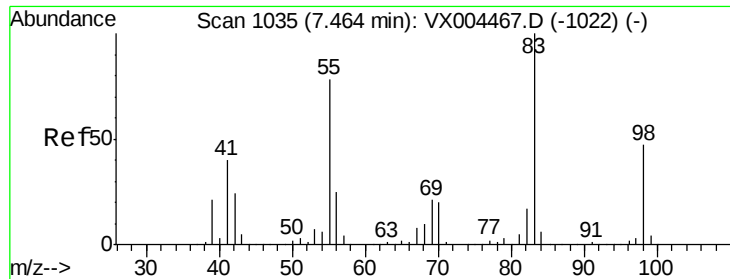
Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Tgt Ion:	117	Resp:	46662
Ion	Ratio	Lower	Upper
117	100		
119	98.9	78.8	118.2
121	31.0	24.9	37.3





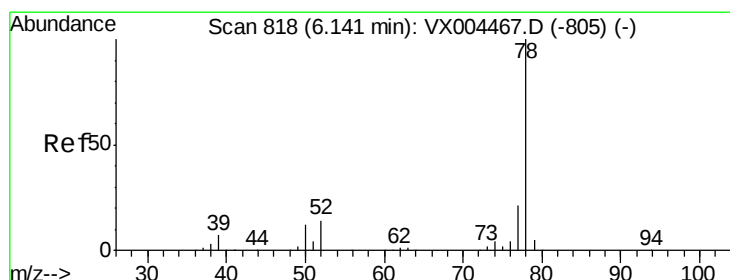
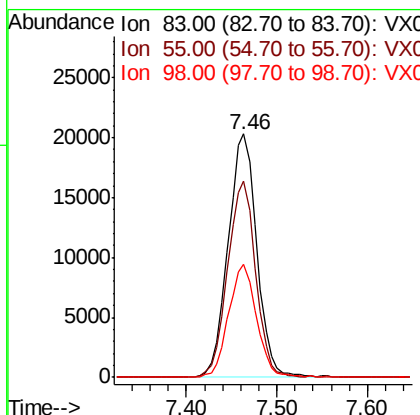
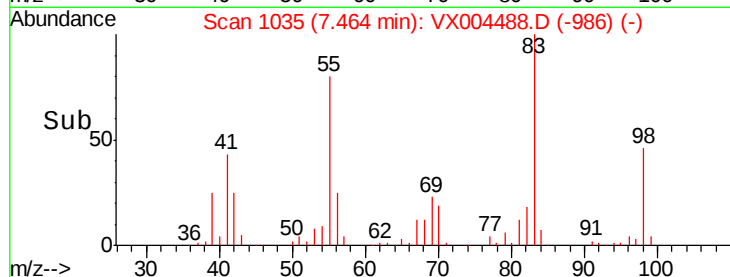
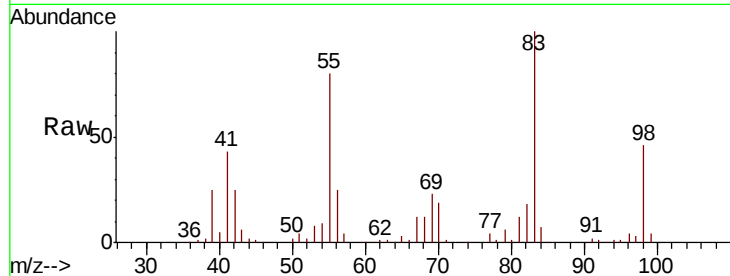
#39
Methvlcvclohexane
Concen: 13.79 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	61.0	91.4
98	46.5	39.6	59.4

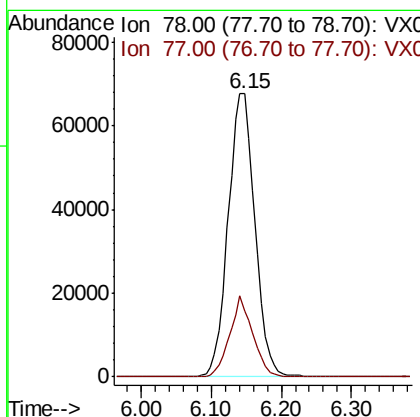
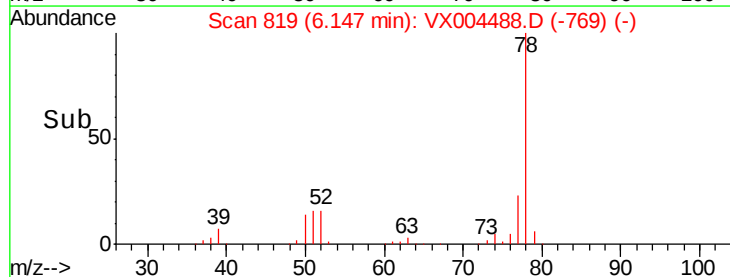
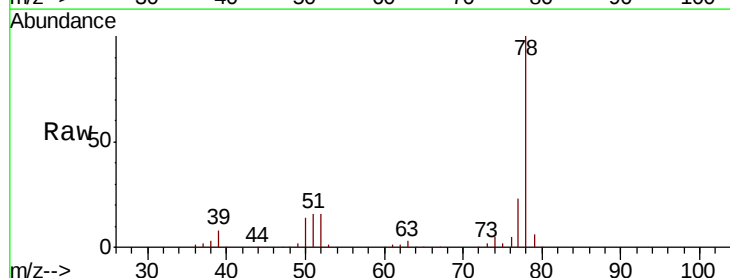
Manual Integrations
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#40
Benzene
Concen: 19.55 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





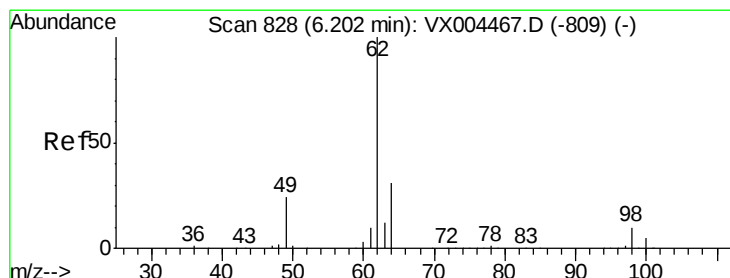
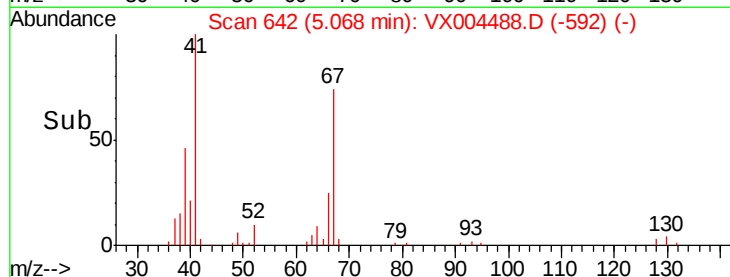
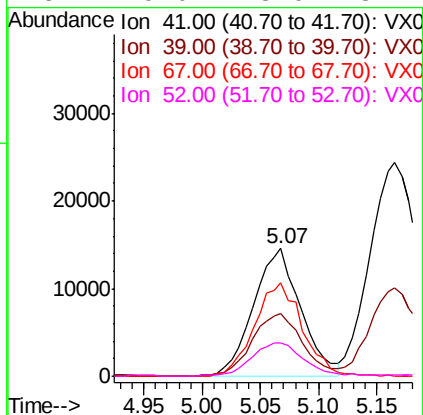
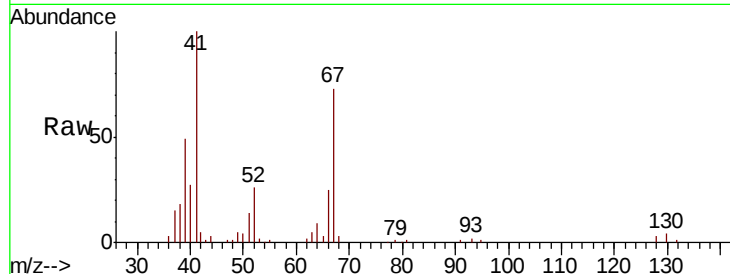
#41
Methacrylonitrile
Concen: 21.25 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS01

Tot Ion:	41	Resp:	41229
Ion	Ratio	Lower	Upper
41	100		
39	52.2	42.4	63.6
67	74.2	59.2	88.8
52	29.0	23.0	34.4

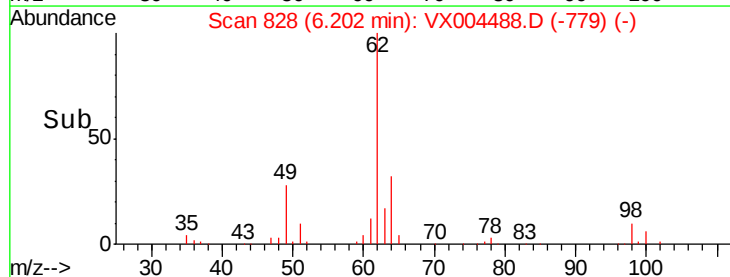
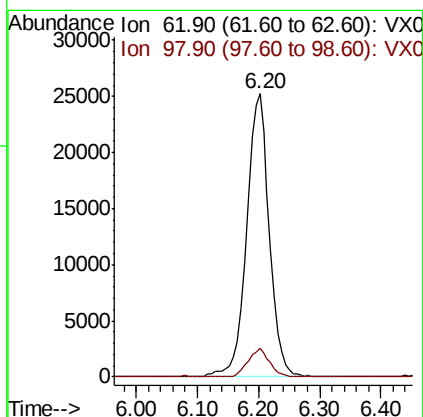
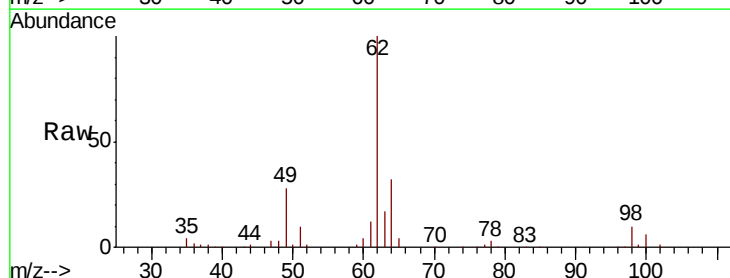
Manual Integrations
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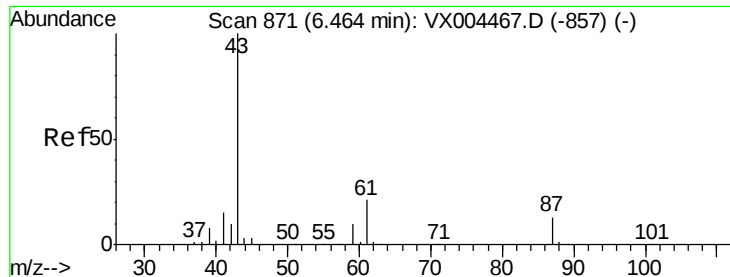
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#42
1,2-Dichloroethane
Concen: 21.40 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion:	62	Resp:	65217
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.6





#43

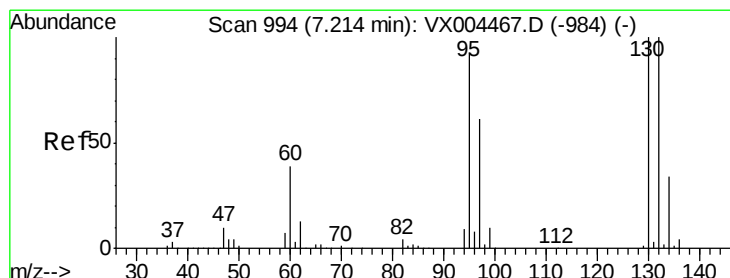
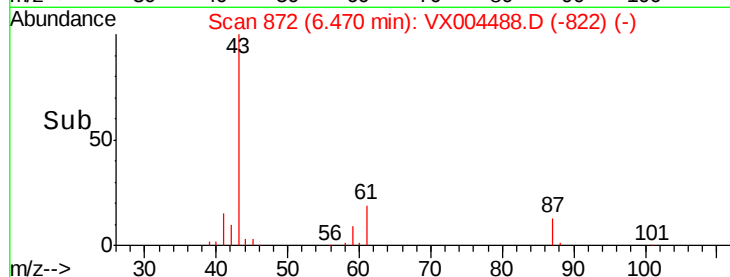
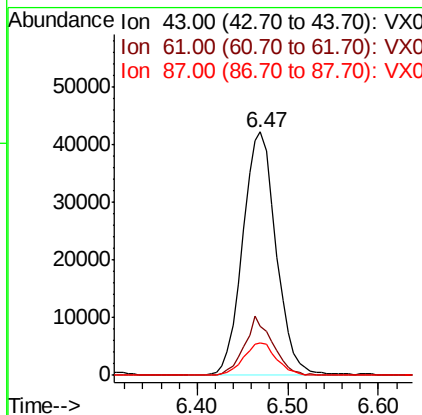
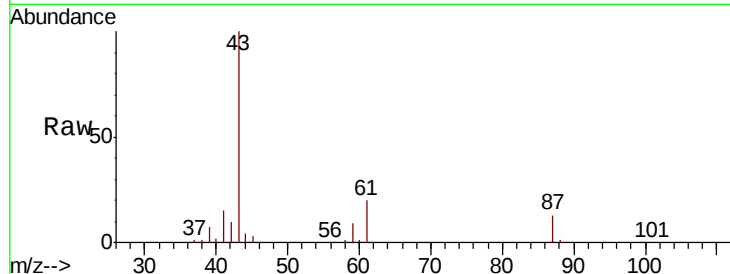
Isopropyl Acetate
 Concen: 22.79 ug/l
 RT: 6.47 min Scan# 872
 Delta R.T. 0.01 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.0	25.4
87	13.2	11.4	17.2

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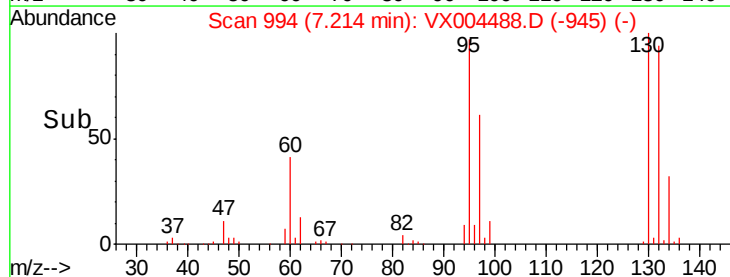
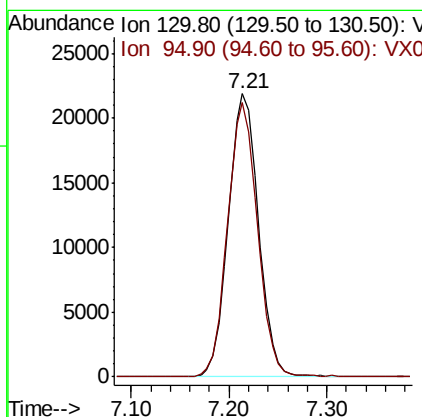
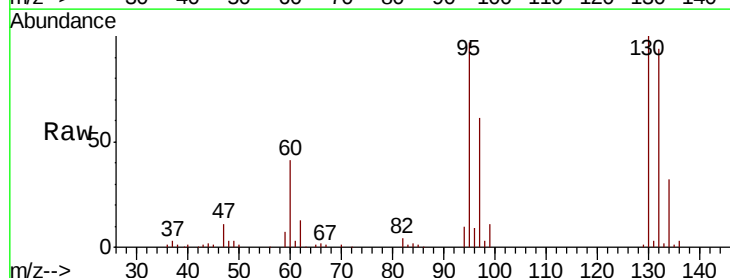
MMDadoda
 9/13/2018 10:58:15 AM

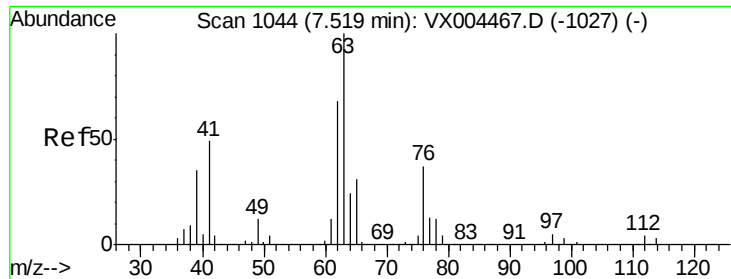


#44

Trichloroethene
 Concen: 19.60 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	181.6





#45

1,2-Dichloropropane

Concen: 22.02 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion: 63 Resp: 48691

Ion Ratio Lower Upper

63 100

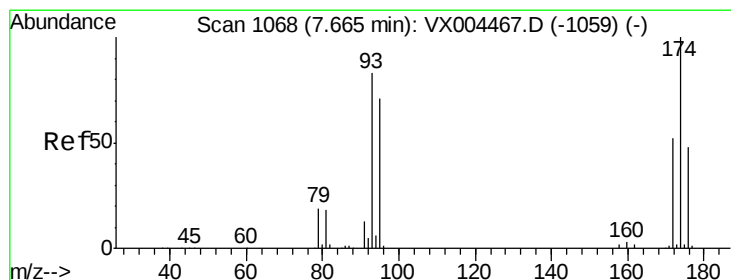
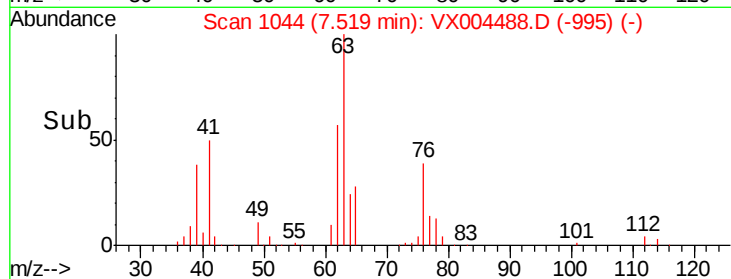
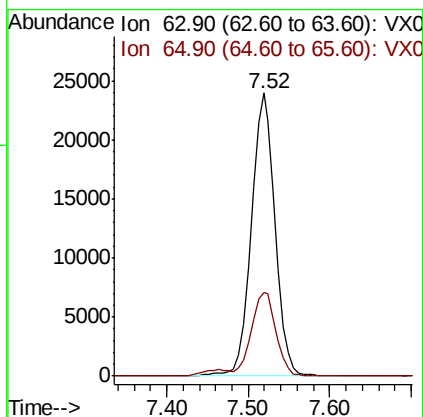
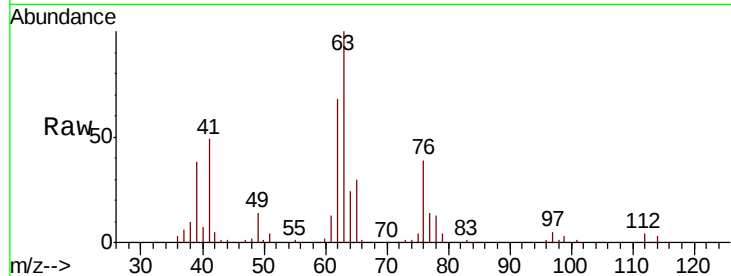
65 29.6 24.3 36.5

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#46

Dibromomethane

Concen: 22.56 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

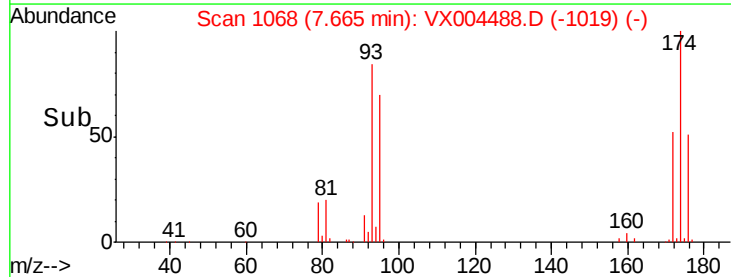
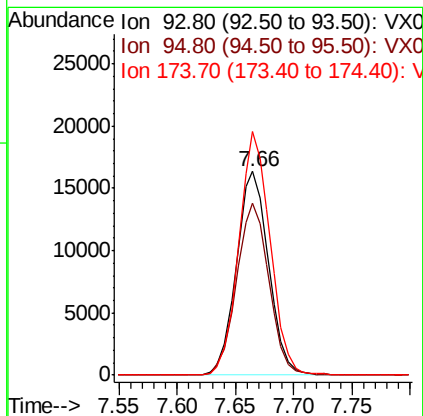
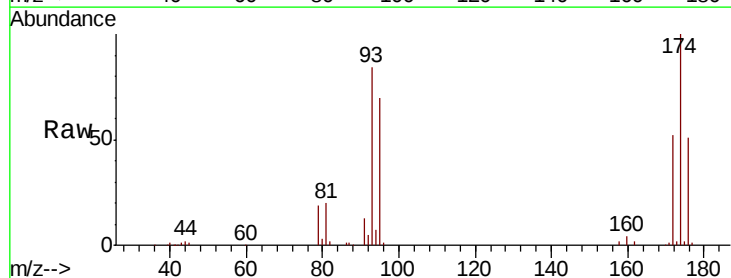
Tgt Ion: 93 Resp: 31513

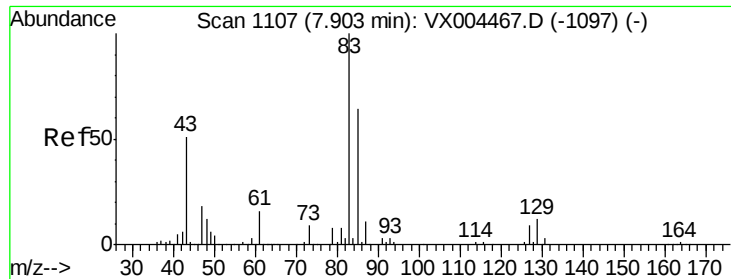
Ion Ratio Lower Upper

93 100

95 84.5 65.5 98.3

174 116.0 94.2 141.4





#47

Bromodichloromethane

Concen: 22.10 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

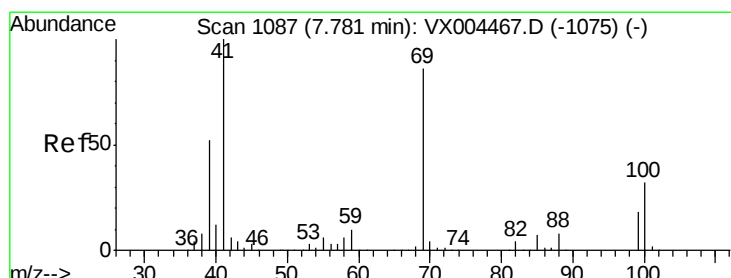
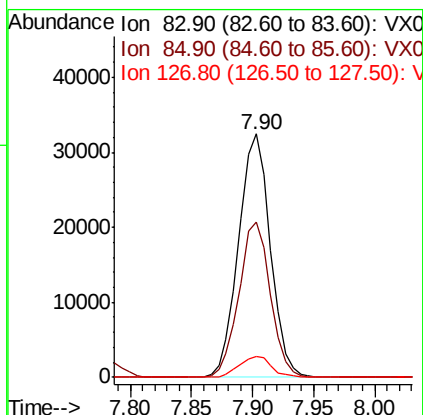
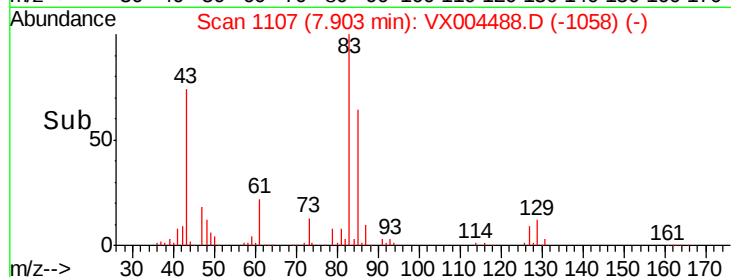
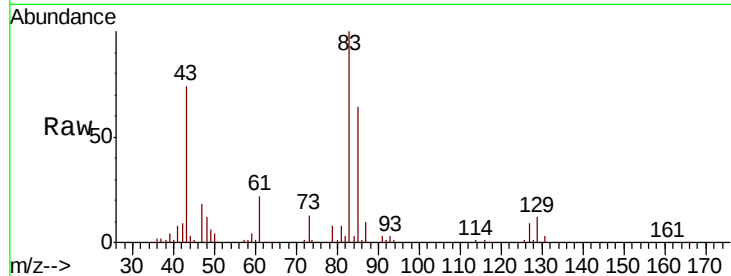
ClientSampleId :

VX0912MBS01

Tot Ion:	83	Resp:	58363
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.9	76.3
127	8.5	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 24.04 ug/l

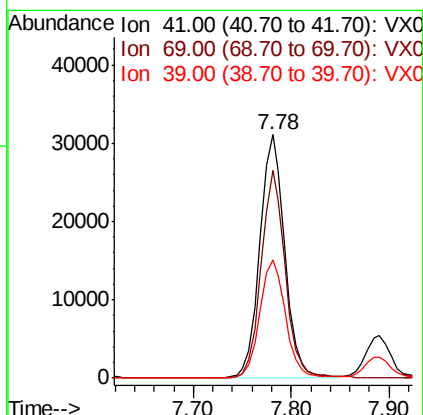
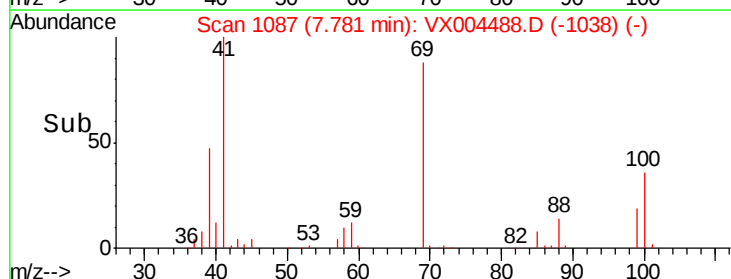
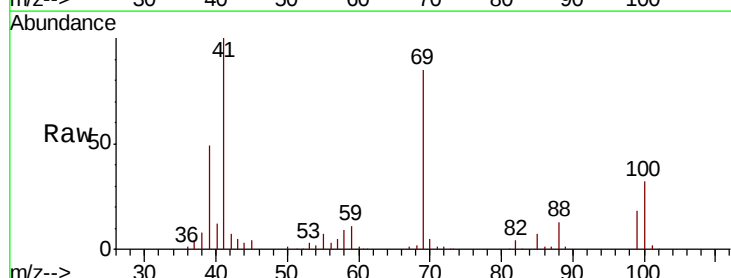
RT: 7.78 min Scan# 1087

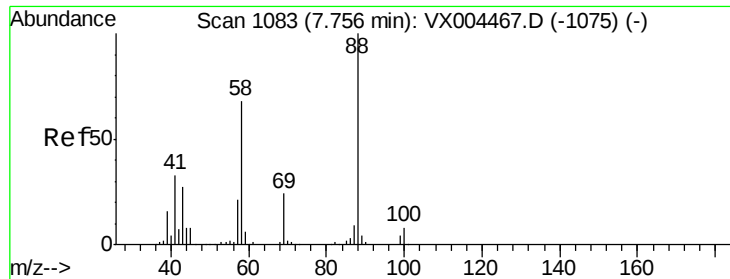
Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Tgt Ion:	41	Resp:	55654
Ion Ratio	Lower	Upper	
41	100		
69	82.4	70.2	105.4
39	50.1	42.7	64.1





#49

1,4-Dioxane

Concen: 514.95 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

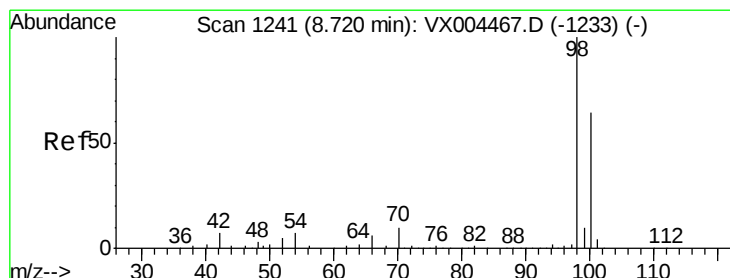
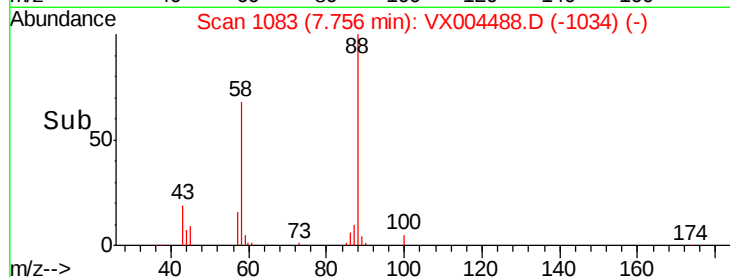
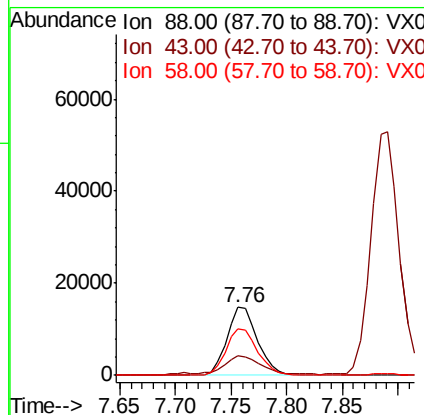
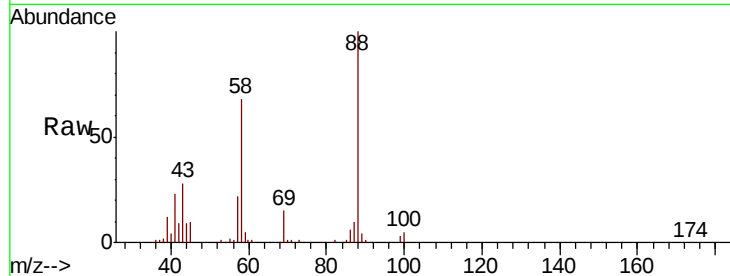
ClientSampleId :

VX0912MBS01

Tot Ion:	88	Resp:	28216
Ion	Ratio	Lower	Upper
88	100		
43	33.9	24.7	37.1
58	71.7	55.3	82.9

Manual Integrations
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#50

Toluene-d8

Concen: 51.93 ug/l

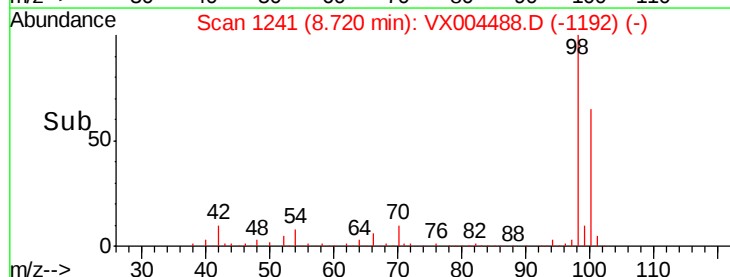
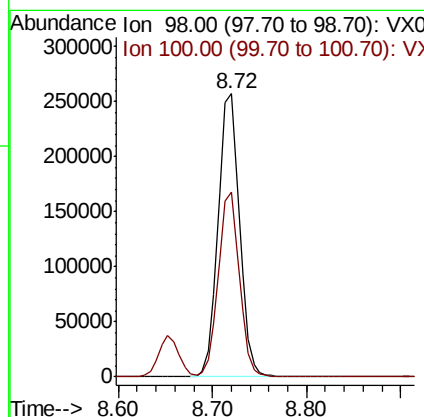
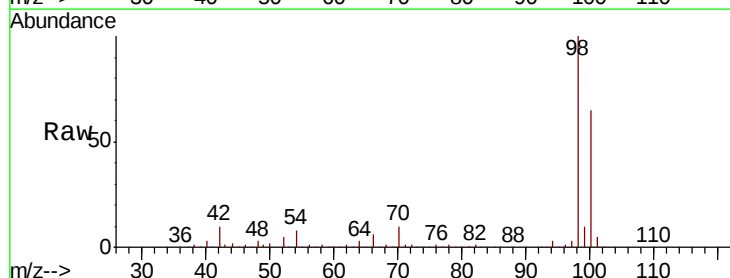
RT: 8.72 min Scan# 1241

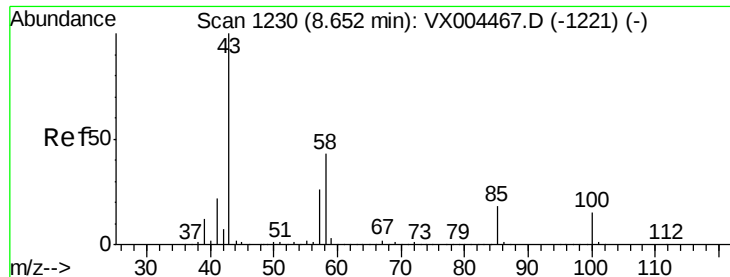
Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Tgt Ion:	98	Resp:	406452
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.9	79.3





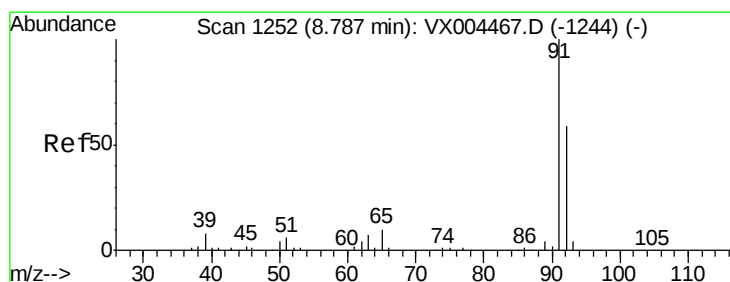
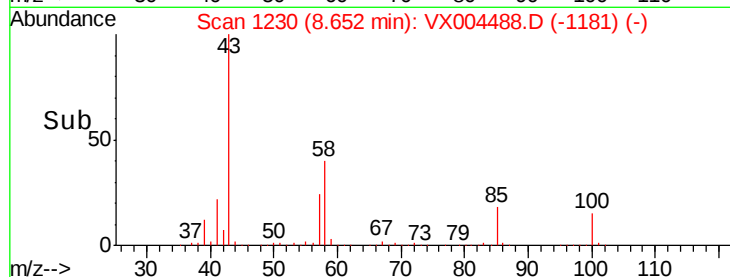
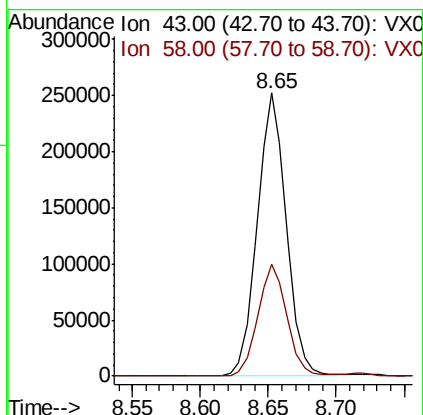
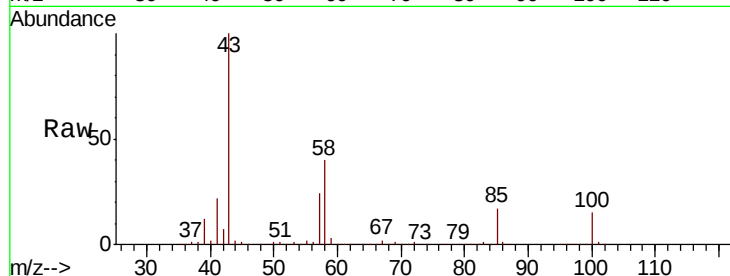
#51
4-Methyl-2-Pentanone
Concen: 114.43 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	33.1	49.7

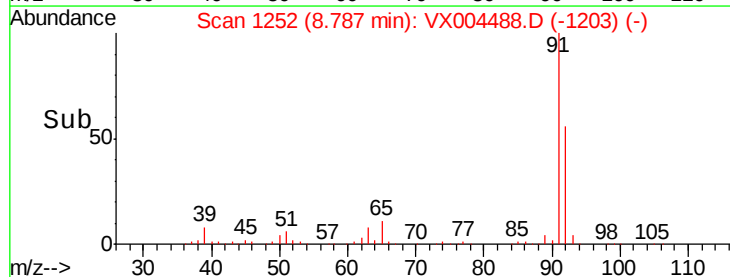
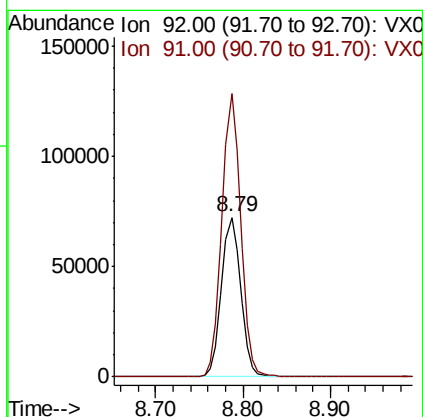
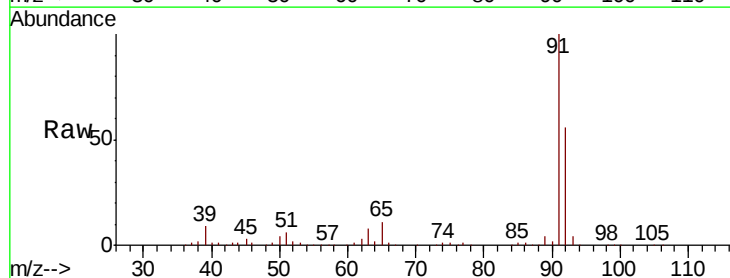
Manual Integrations
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#52
Toluene
Concen: 20.40 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.2	136.4	204.6





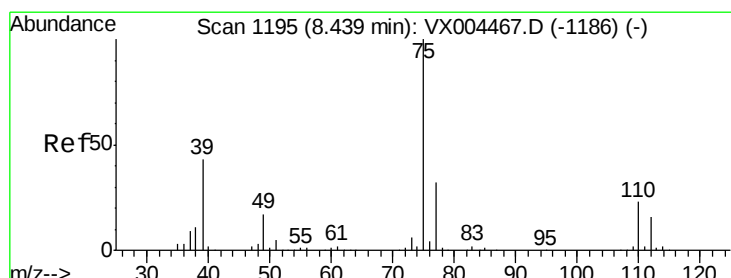
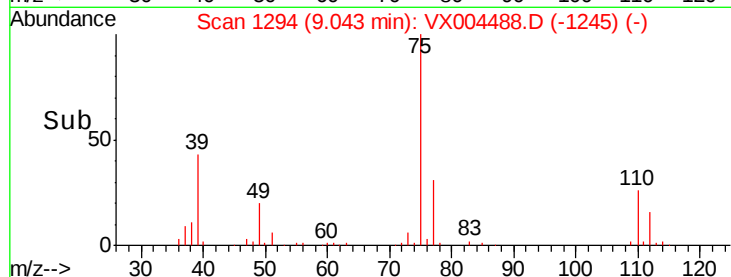
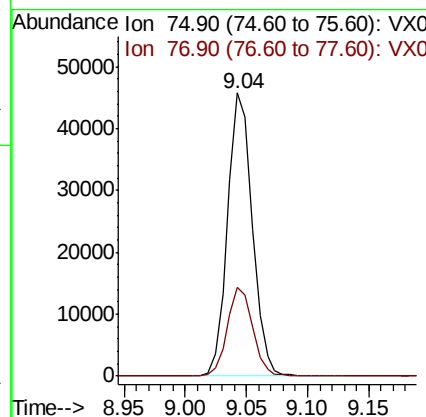
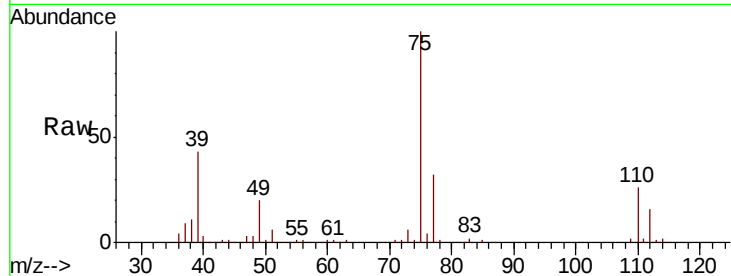
#53
t-1,3-Dichloropropene
Concen: 20.84 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS01

Tot Ion: 75 Resp: 64299
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0

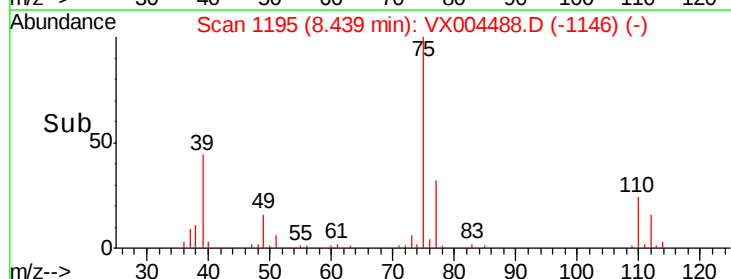
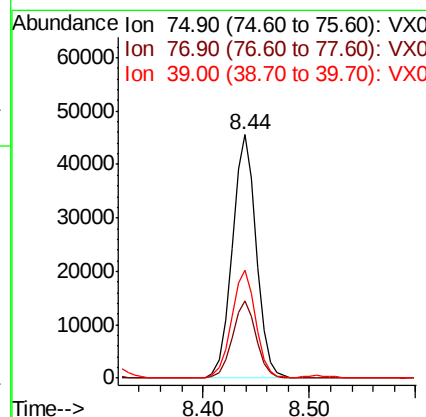
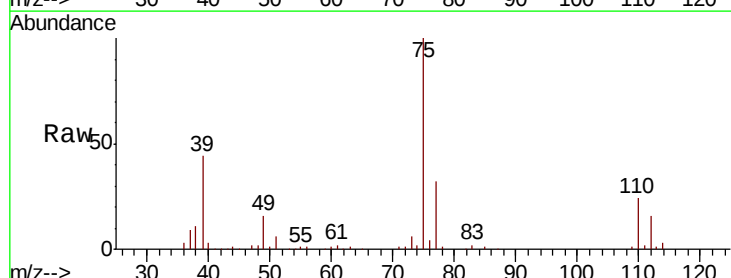
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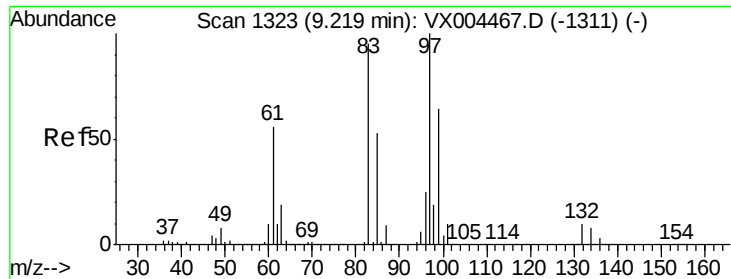
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#54
cis-1,3-Dichloropropene
Concen: 22.88 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion: 75 Resp: 71964
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2
39 43.8 36.4 54.6





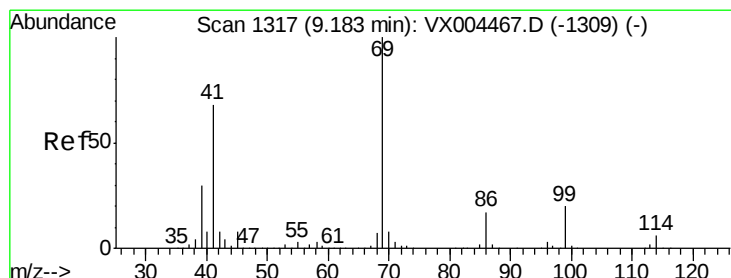
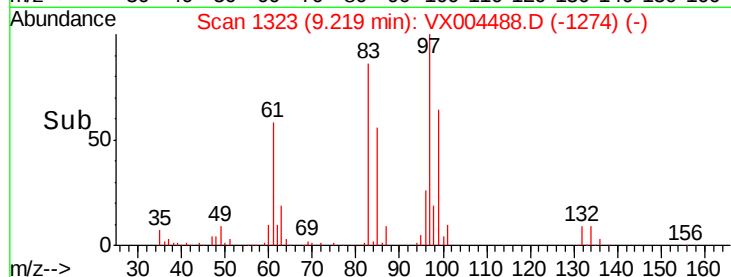
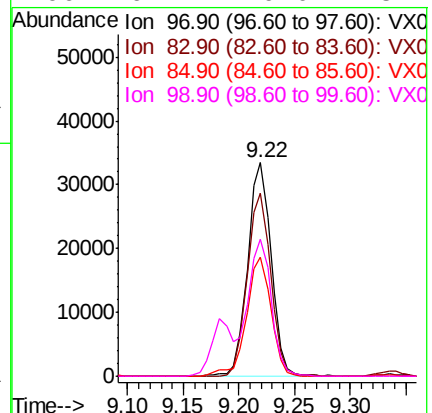
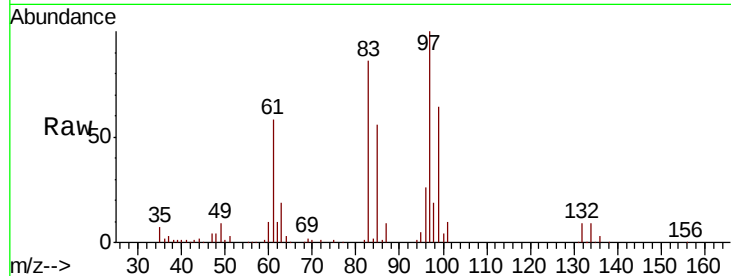
#55
 1,1,2-Trichloroethane
 Concen: 21.02 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS01

Tot Ion:	97	Resp:	49003
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.4	99.6
85	56.0	43.3	64.9
99	64.2	49.0	73.4

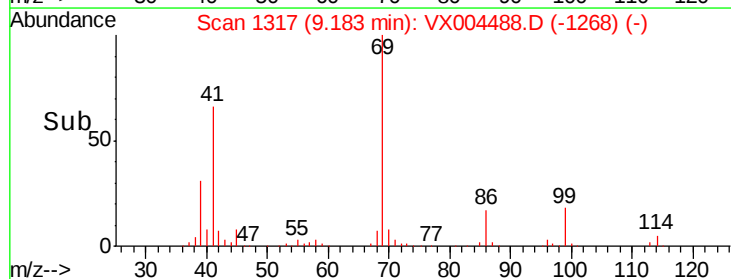
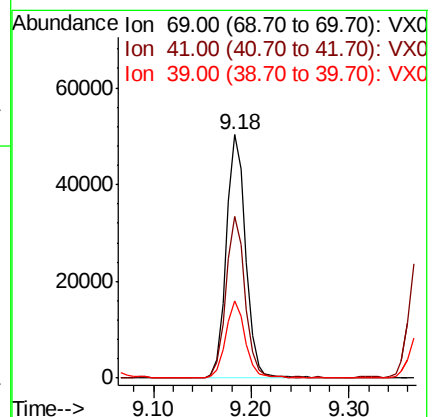
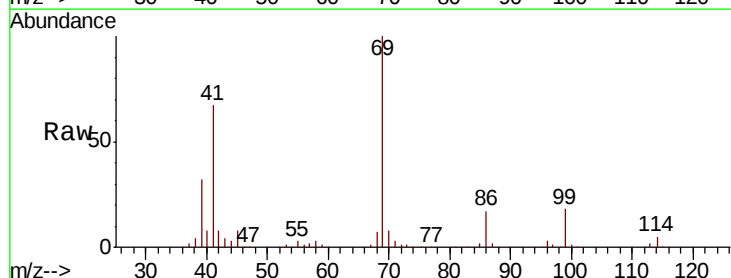
Manual Integrations
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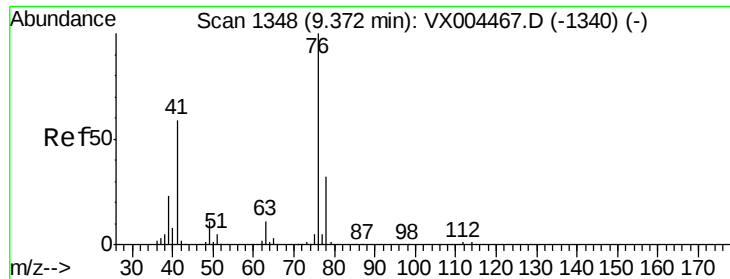
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#56
 Ethyl methacrylate
 Concen: 20.98 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Tgt Ion:	69	Resp:	69186
Ion	Ratio	Lower	Upper
69	100		
41	66.3	51.0	76.4
39	31.6	26.1	39.1





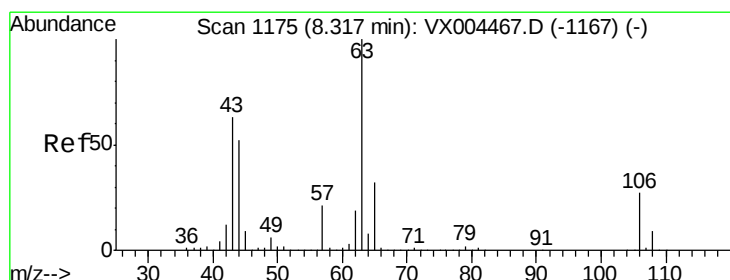
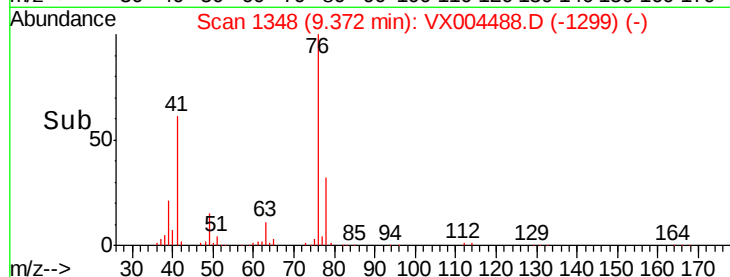
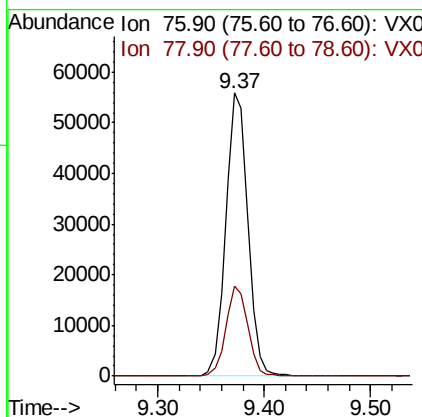
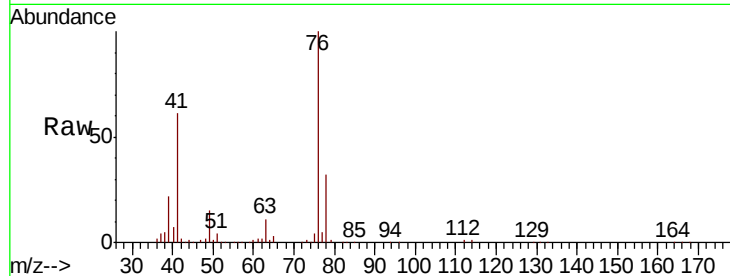
#57
 1,3-Dichloropropane
 Concen: 21.40 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS01

Tot Ion: 76 Resp: 81059
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3

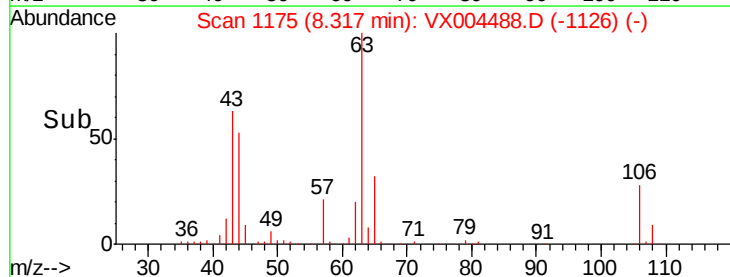
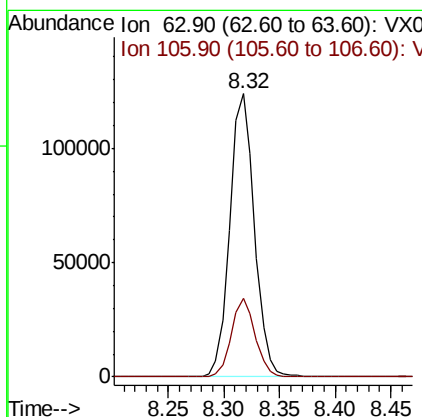
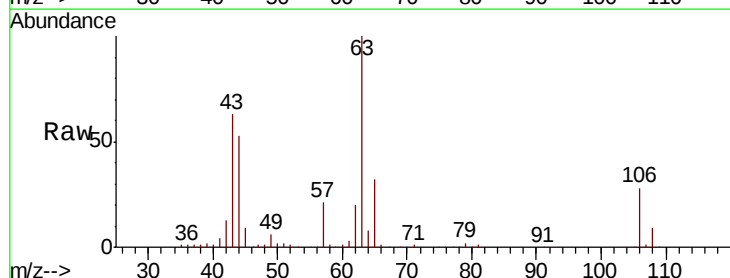
Manual Integrations
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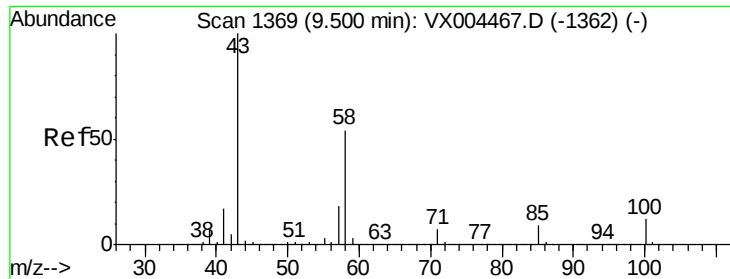
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.71 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Tgt Ion: 63 Resp: 189365
 Ion Ratio Lower Upper
 63 100
 106 26.9 23.9 35.9





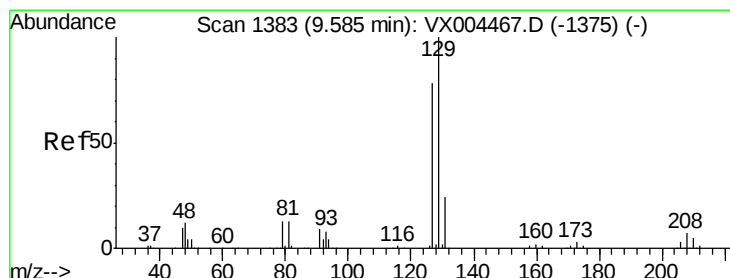
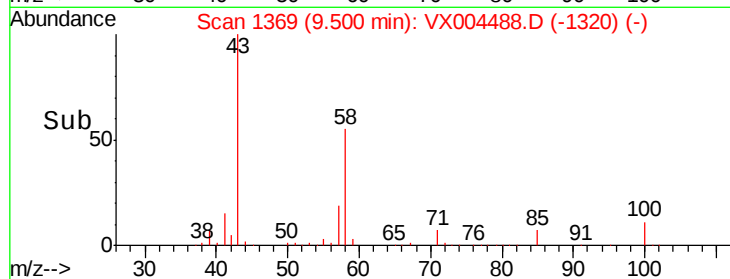
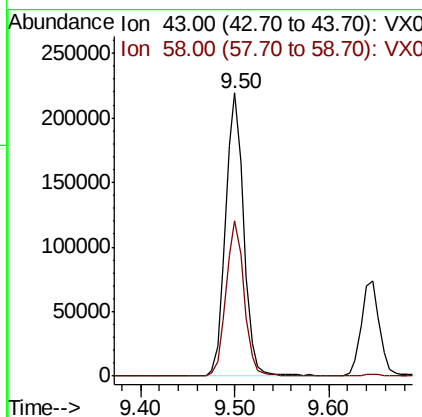
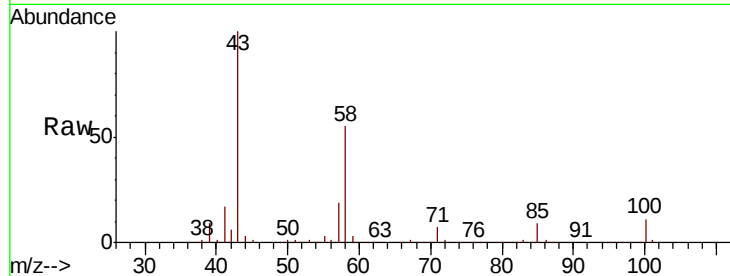
#59
 2-Hexanone
 Concen: 116.11 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	29.0	87.0

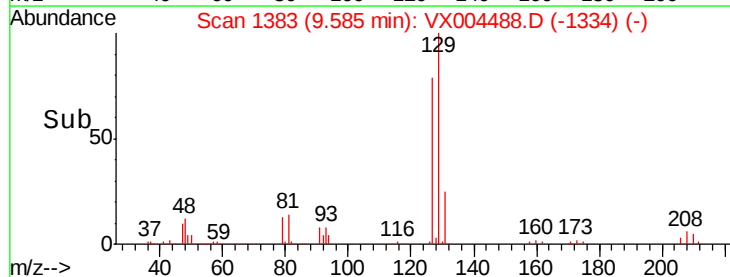
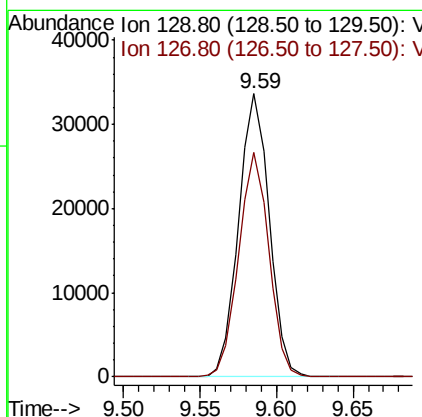
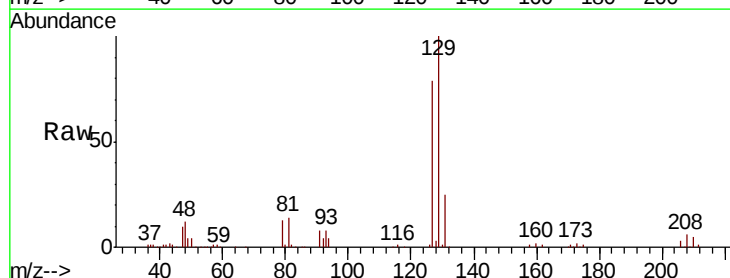
Manual Integrations
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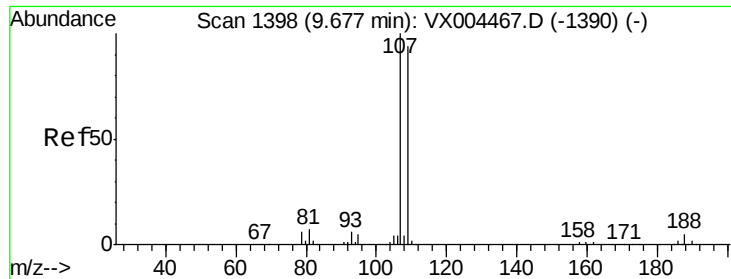
MMDadoda
 9/13/2018 10:58:15 AM



#60
 Dibromochloromethane
 Concen: 21.35 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5





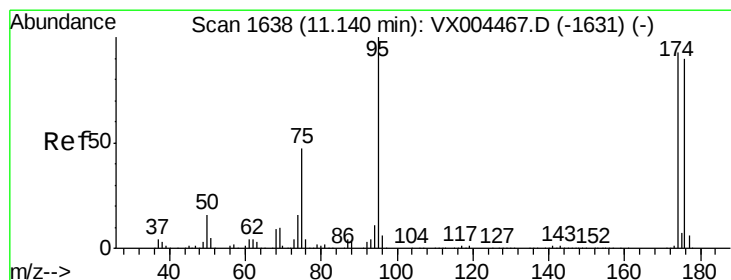
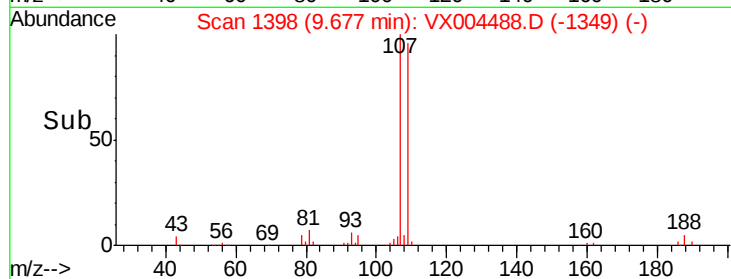
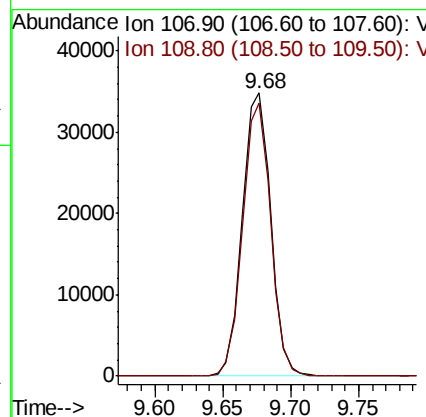
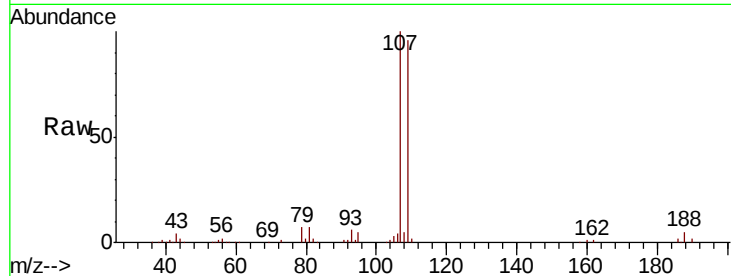
#61
 1,2-Dibromoethane
 Concen: 22.75 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.0	114.0

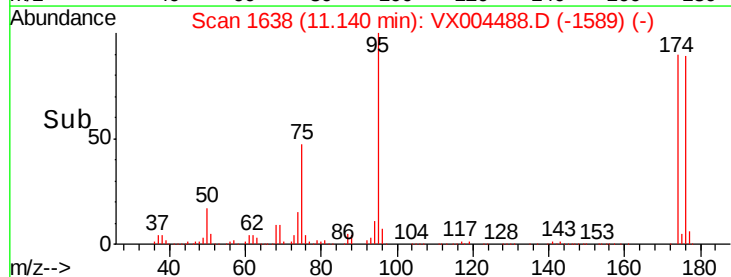
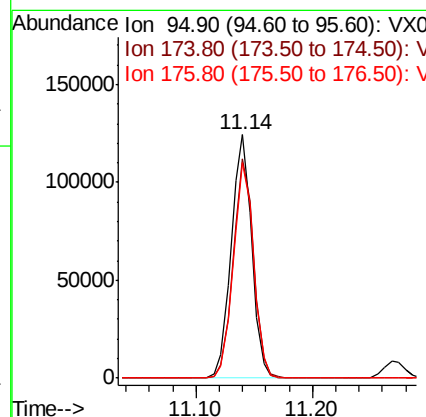
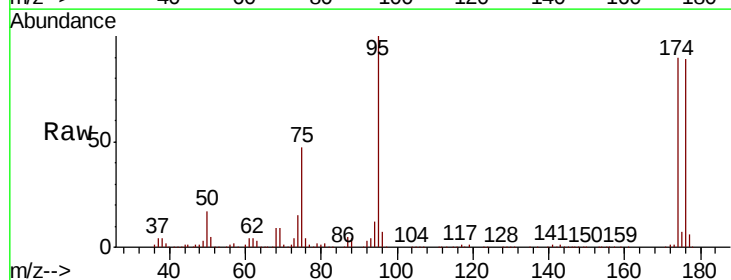
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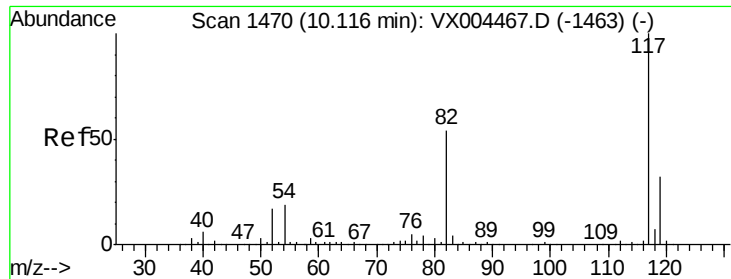
MMDadoda
 9/13/2018 10:58:15 AM



#62
 4-Bromofluorobenzene
 Concen: 54.10 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	185.2
176	88.1	0.0	178.6





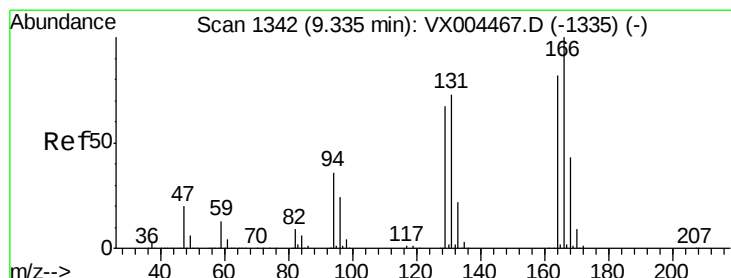
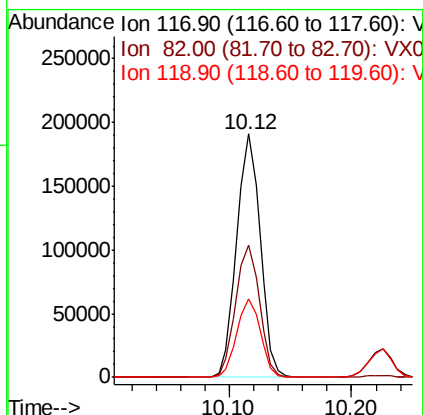
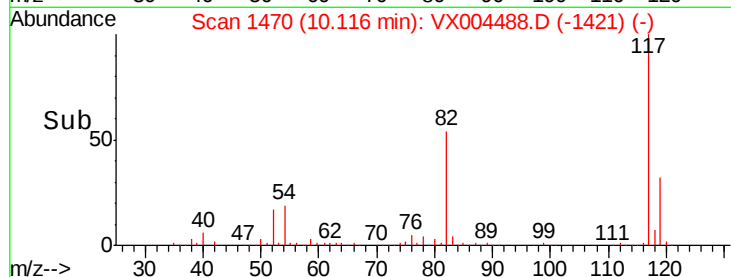
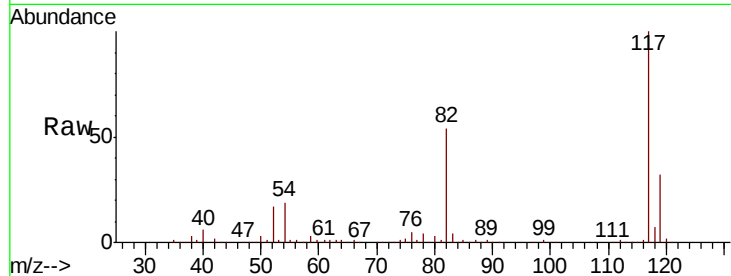
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	47.8	71.6
119	32.5	29.3	43.9

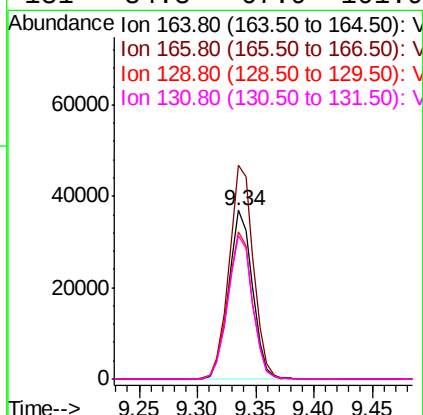
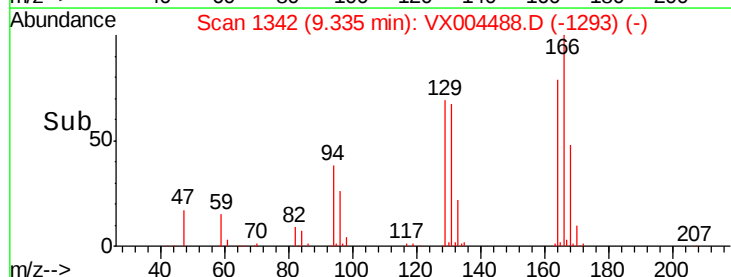
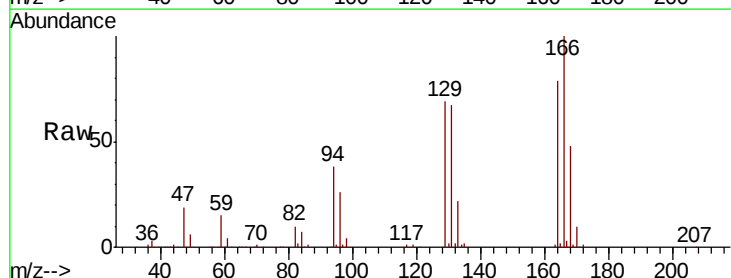
Manual Integrations
APPROVED

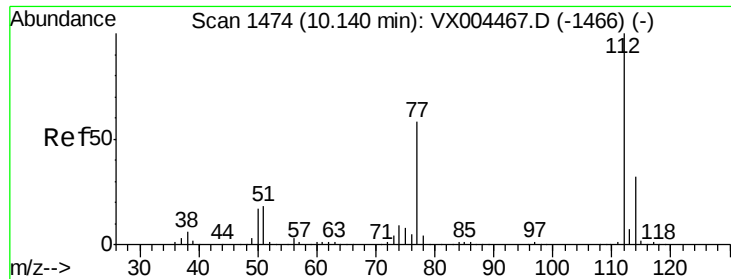
MMDadoda
9/13/2018 10:58:15 AM



#64
Tetrachloroethene
Concen: 16.62 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.8	154.2
129	87.4	69.4	104.0
131	84.8	67.9	101.9





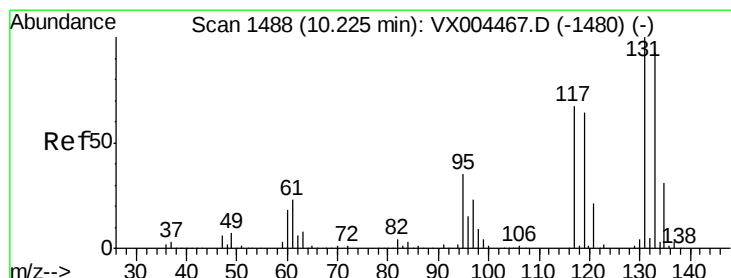
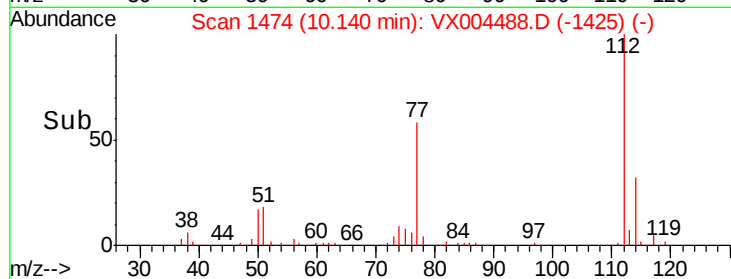
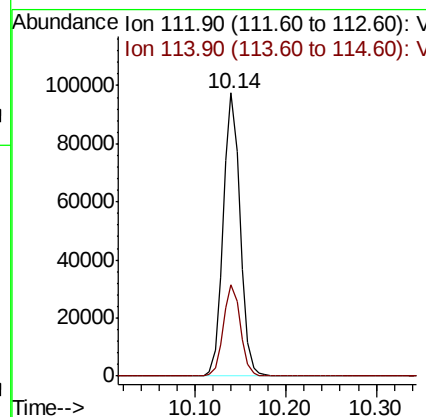
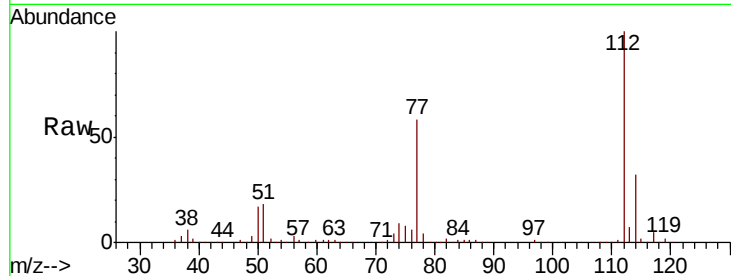
#65
Chlorobenzene
Concen: 20.16 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampled :
VX0912MBS01

Tot Ion:112 Resp: 127565
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8

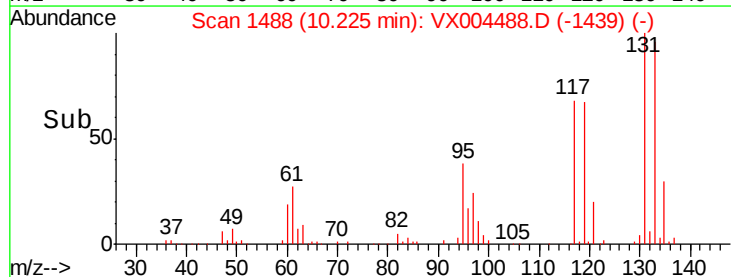
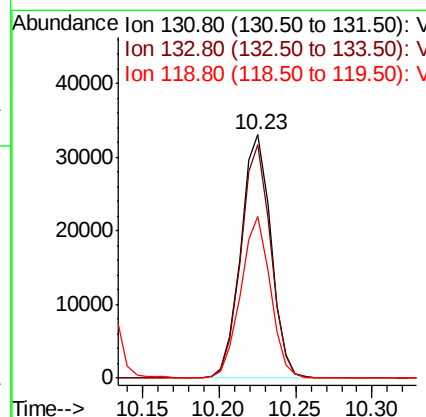
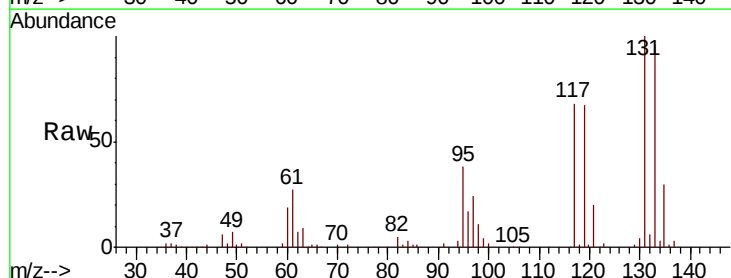
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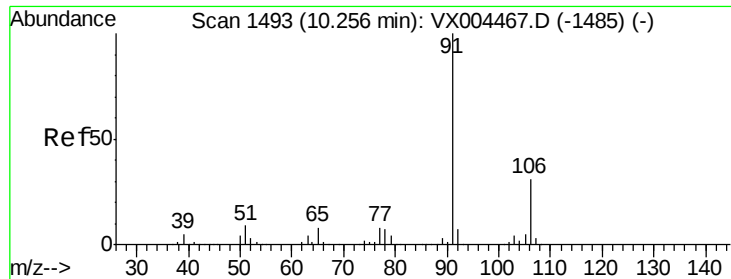
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.68 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion:131 Resp: 45140
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.4
119 65.6 32.9 98.6





#67

Ethyl Benzene

Concen: 19.10 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion: 91 Resp: 196550

Ion Ratio Lower Upper

91 100

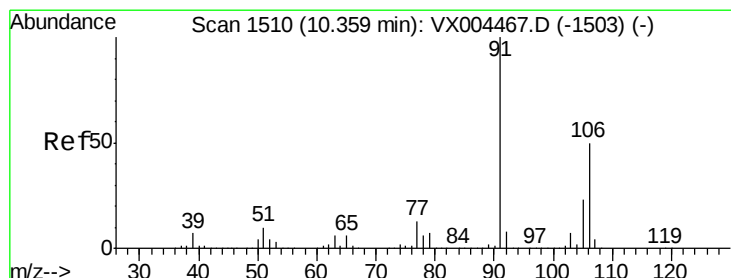
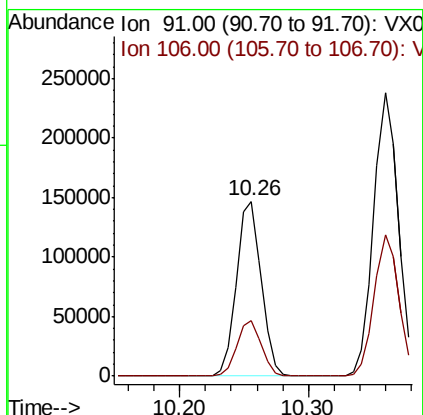
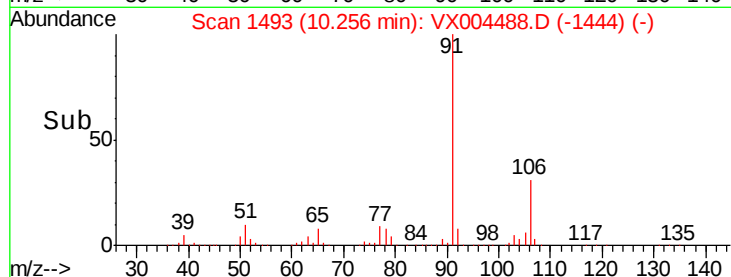
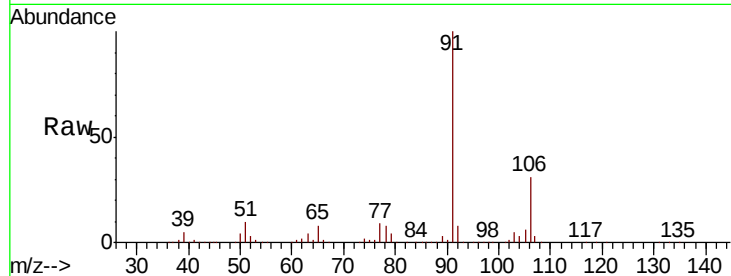
106 31.4 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.58 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004488.D

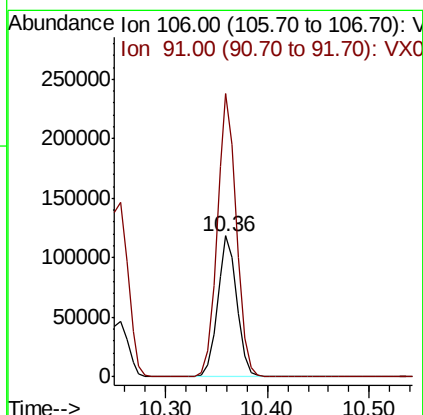
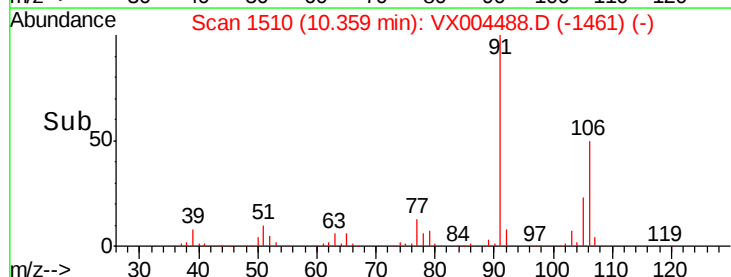
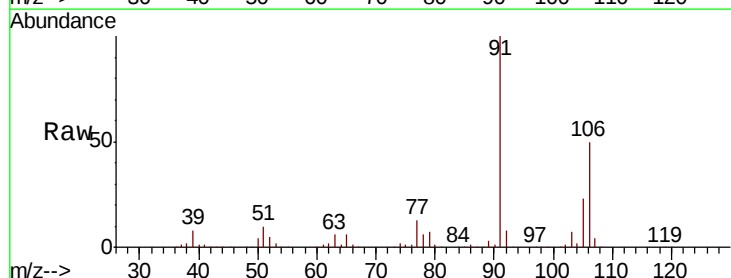
Acq: 12 Sep 2018 12:19

Tgt Ion: 106 Resp: 156877

Ion Ratio Lower Upper

106 100

91 199.6 157.1 235.7





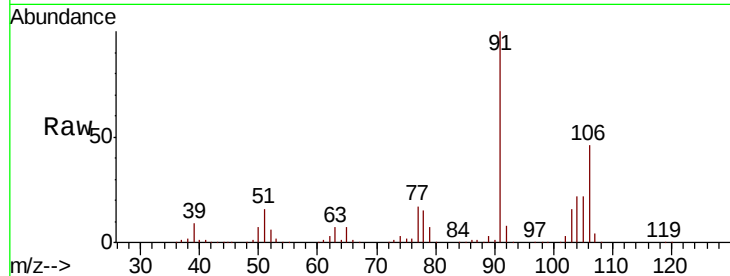
#69
o-Xylene
Concen: 19.95 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampled :
VX0912MBS01

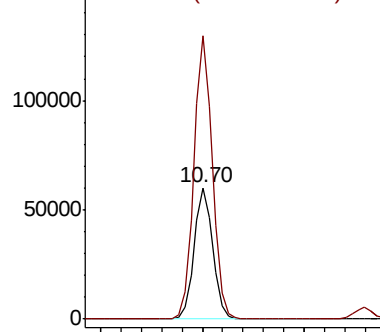
Tot Ion:106 Resp: 76027
Ion Ratio Lower Upper
106 100
91 214.6 105.1 315.1

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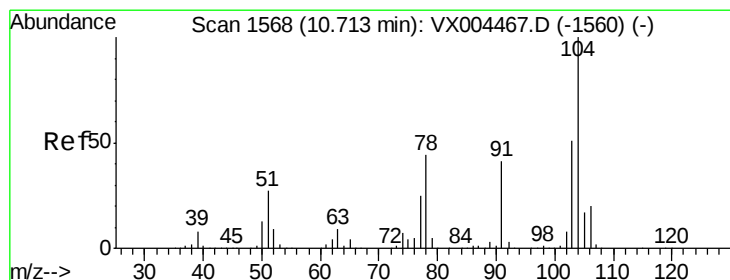
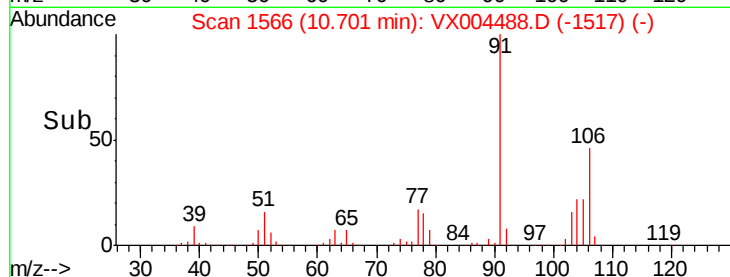
MMDadoda
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

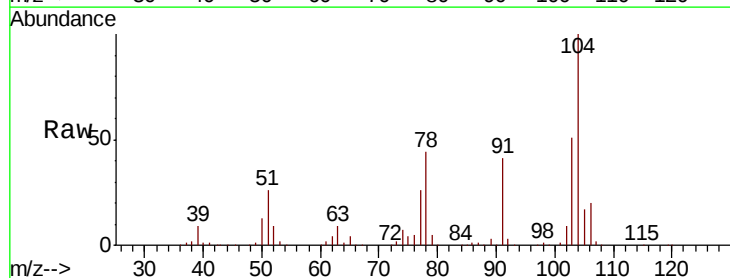


Time-->

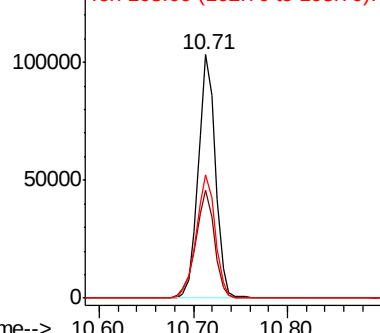


#70
Styrene
Concen: 20.77 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

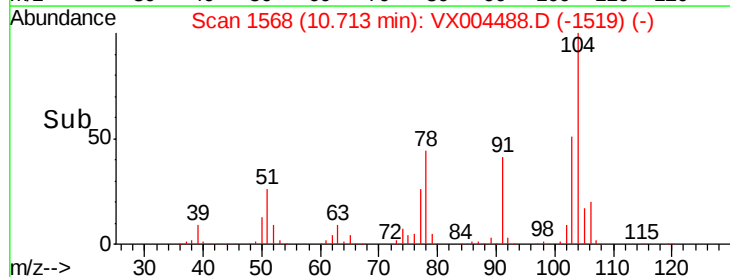
Tgt Ion:104 Resp: 131118
Ion Ratio Lower Upper
104 100
78 48.6 37.4 56.0
103 55.8 43.8 65.6

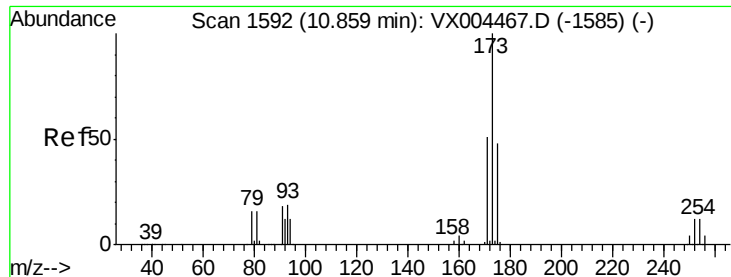


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 20.56 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion:173 Resp: 36844

Ion Ratio Lower Upper

173 100

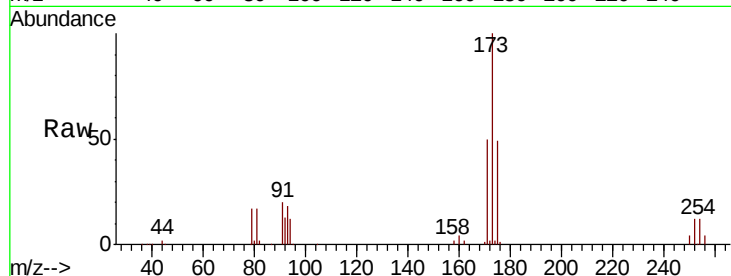
175 49.4 24.1 72.3

254 0.0 0.2 0.2#

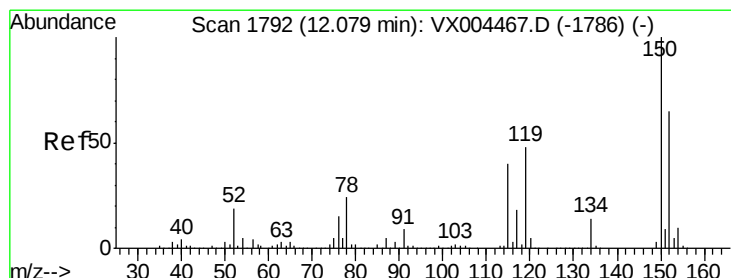
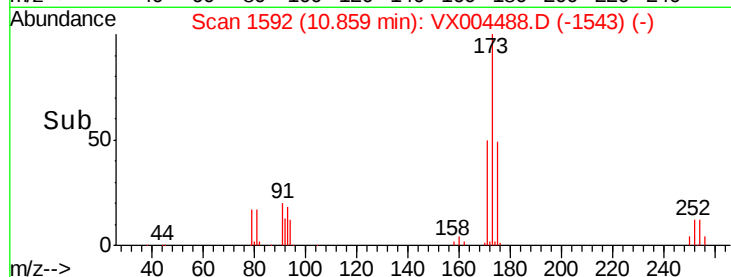
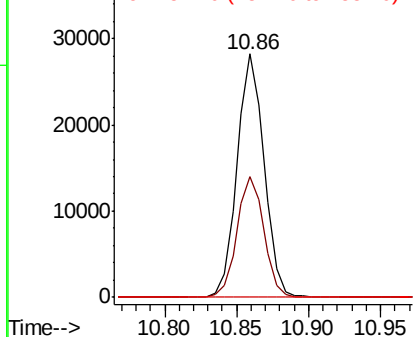
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

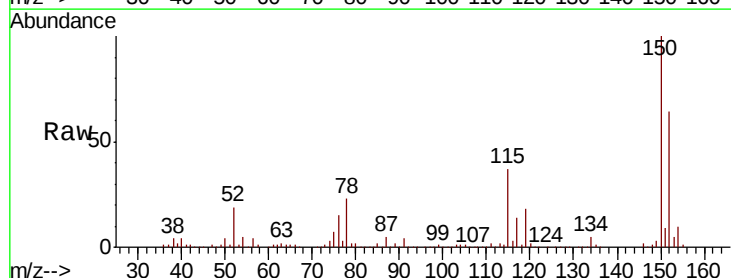
Tgt Ion:152 Resp: 150680

Ion Ratio Lower Upper

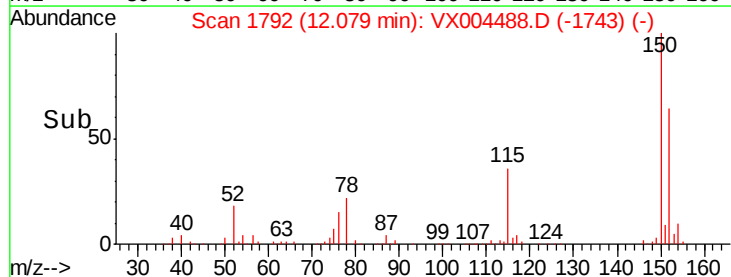
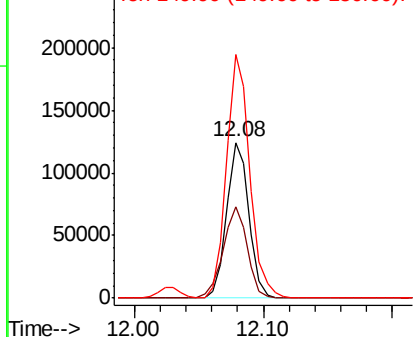
152 100

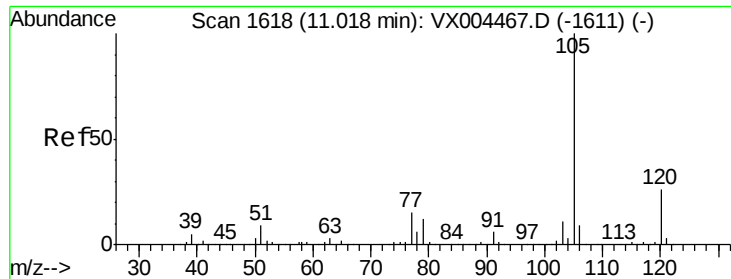
115 64.2 39.0 117.0

150 164.6 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





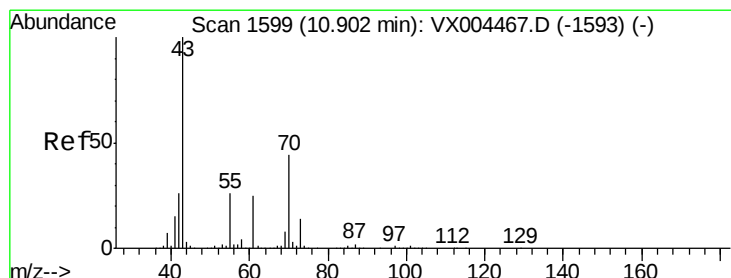
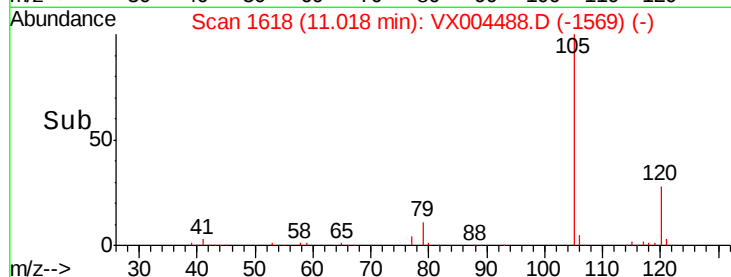
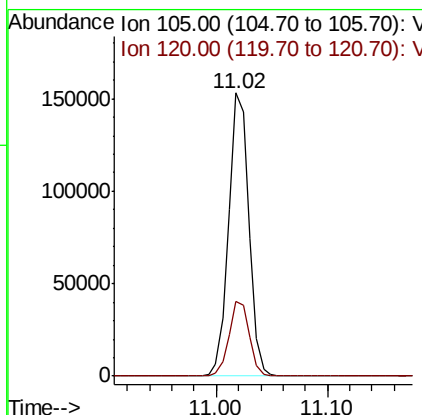
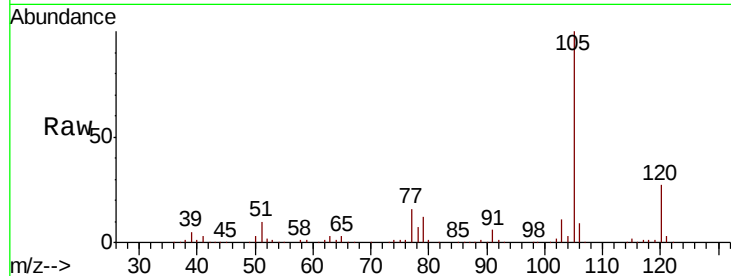
#73
Isopropylbenzene
Concen: 19.31 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.5	40.4

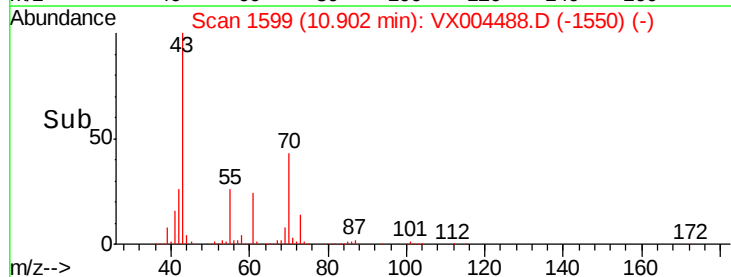
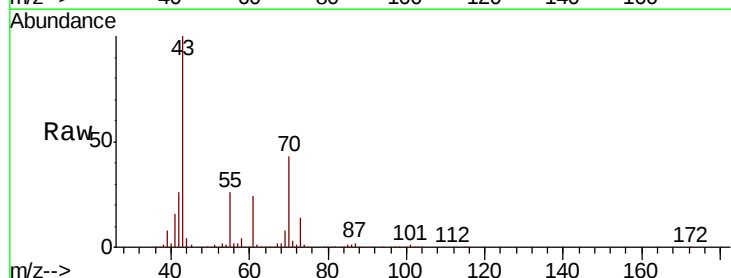
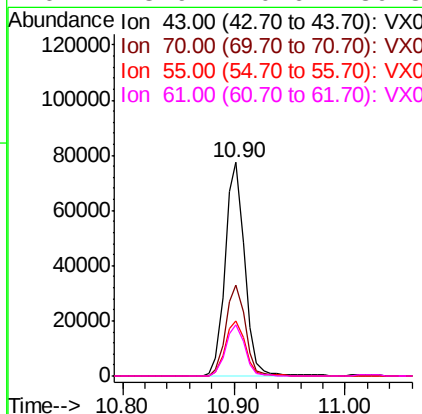
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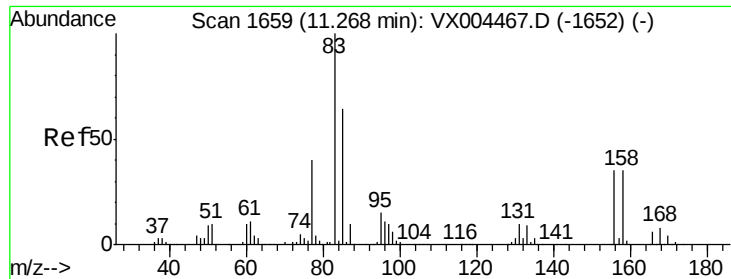
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#74
N-ethyl acetate
Concen: 22.53 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.7	37.4	56.0
55	26.7	21.8	32.8
61	23.9	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.46 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion: 83 Resp: 71882

Ion Ratio Lower Upper

83 100

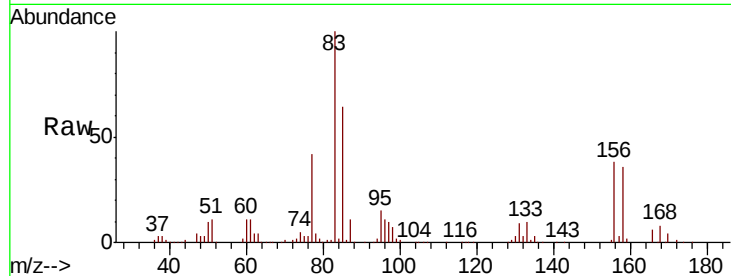
131 10.1 5.2 15.6

85 64.8 32.3 96.8

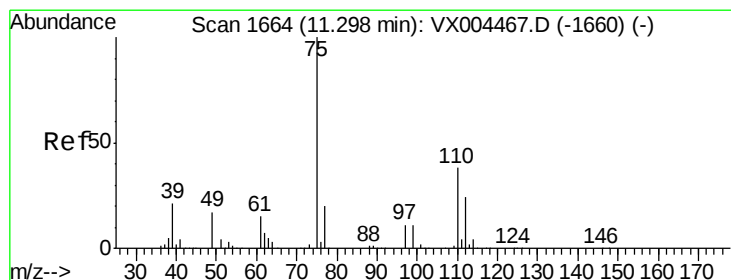
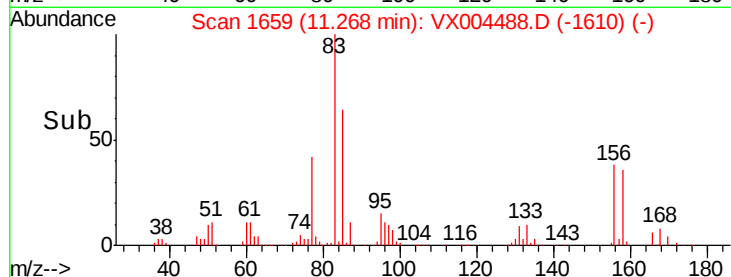
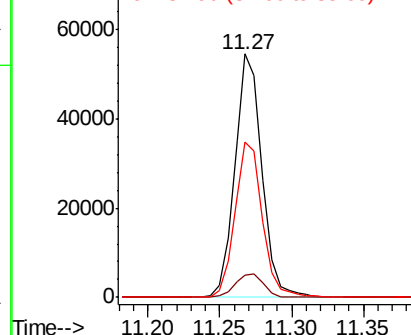
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.94 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004488.D

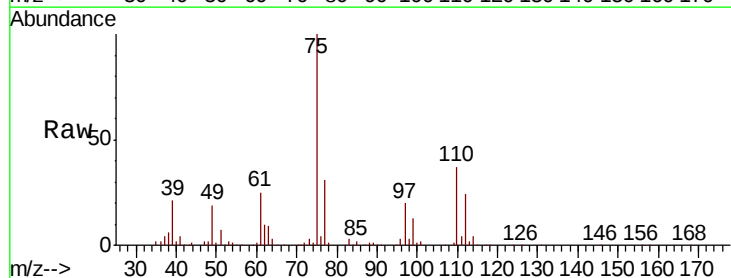
Acq: 12 Sep 2018 12:19

Tgt Ion: 75 Resp: 69545

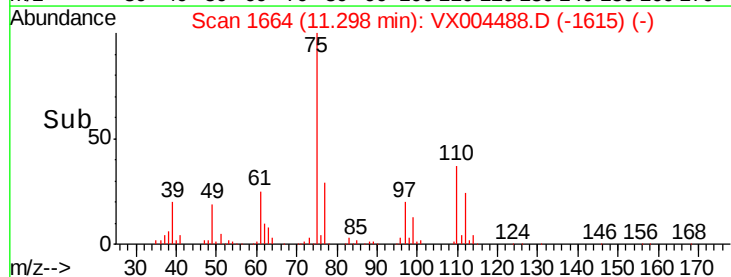
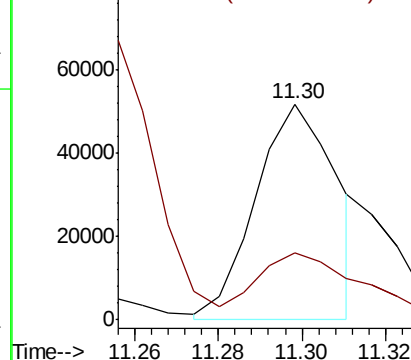
Ion Ratio Lower Upper

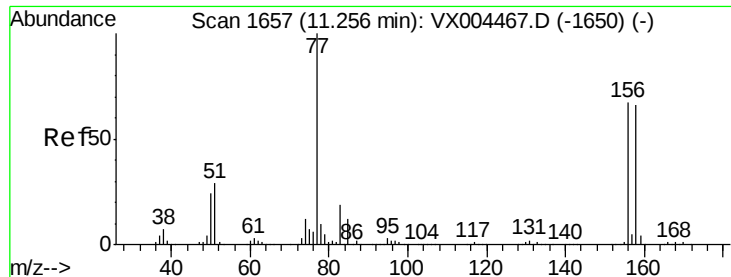
75 100

77 40.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 21.35 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion:156 Resp: 58549

Ion Ratio Lower Upper

156 100

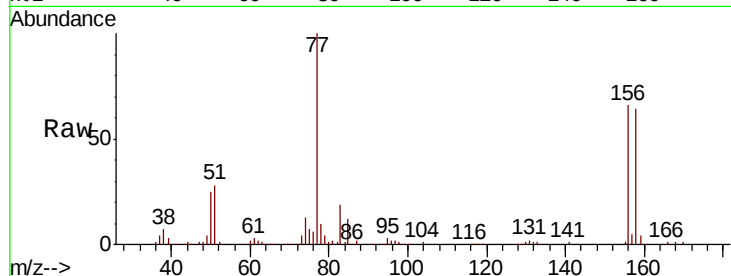
77 147.5 71.5 214.3

158 97.2 48.9 146.8

Manual Integrations
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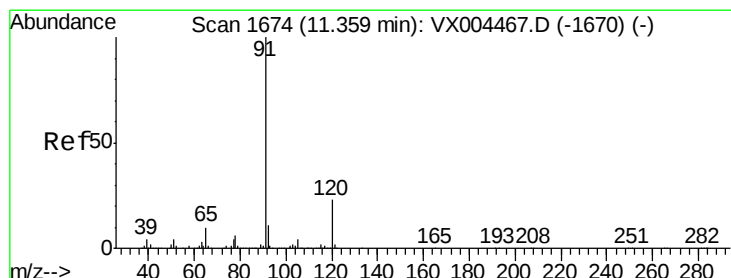
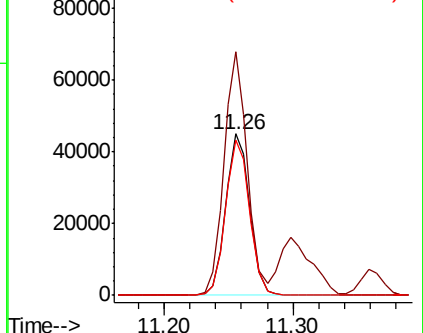
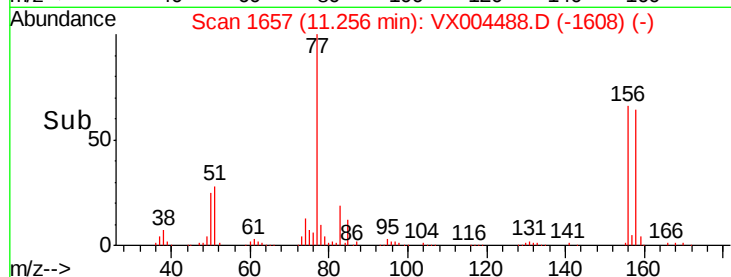
9/13/2018 10:58:15 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.36 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004488.D

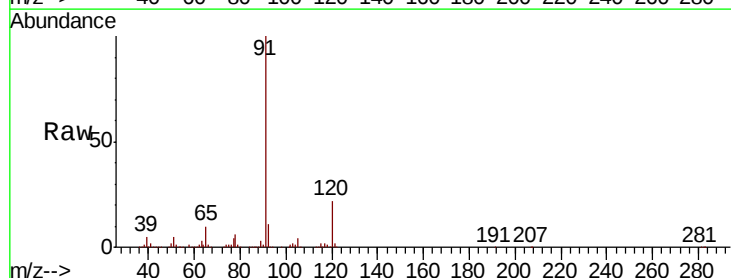
Acq: 12 Sep 2018 12:19

Tgt Ion: 91 Resp: 220845

Ion Ratio Lower Upper

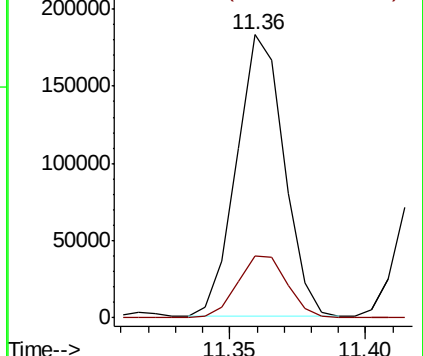
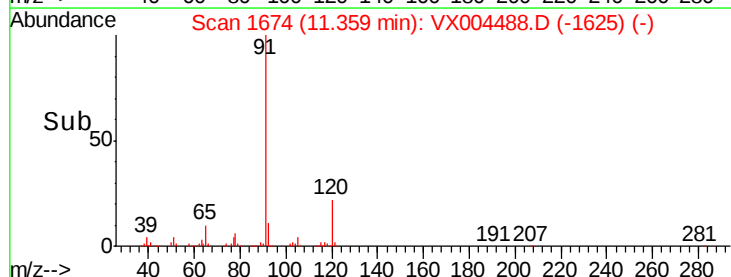
91 100

120 23.4 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: 20.80 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampled :

VX0912MBS01

Tot Ion: 91 Resp: 143948

Ion Ratio Lower Upper

91 100

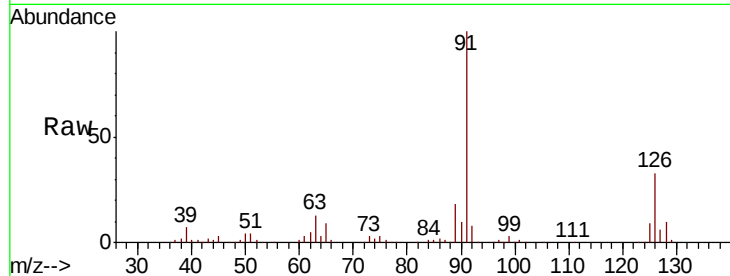
126 34.8 17.9 53.7

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

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

200000

150000

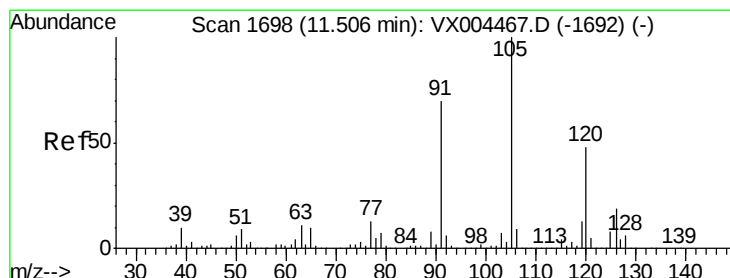
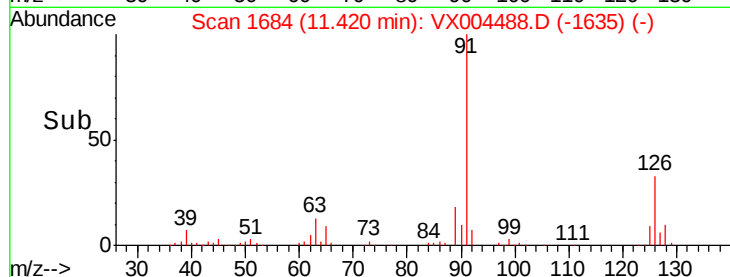
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.14 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004488.D

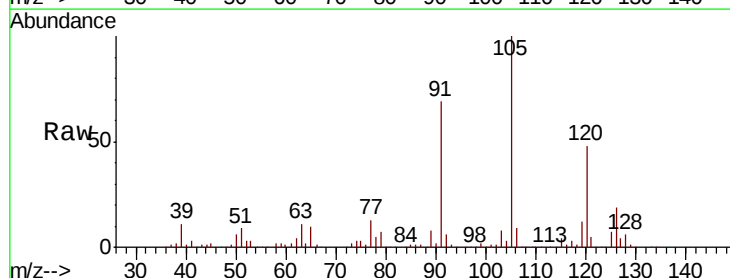
Acq: 12 Sep 2018 12:19

Tgt Ion:105 Resp: 168010

Ion Ratio Lower Upper

105 100

120 48.9 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) (-)

150000

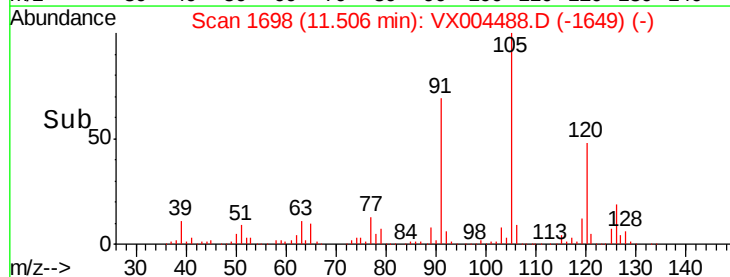
100000

50000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 22.99 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

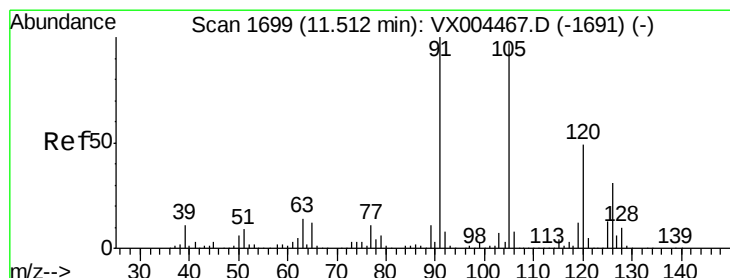
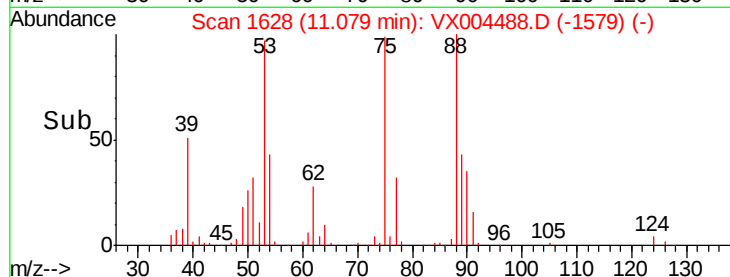
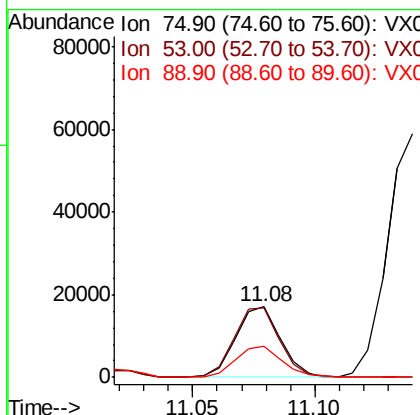
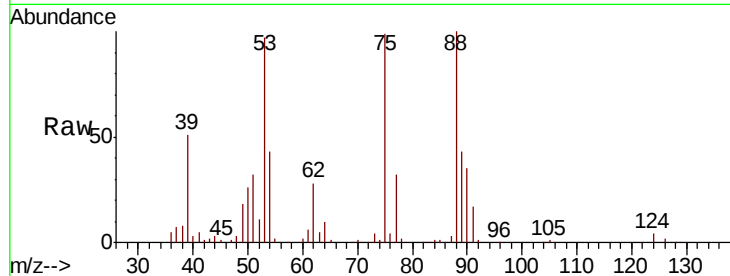
ClientSampleId :

VX0912MBS01

Tot Ion:	75	Resp:	21868
Ion	Ratio	Lower	Upper
75	100		
53	98.8	80.1	120.1
89	45.6	37.2	55.8

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#82

4-Chlorotoluene

Concen: 20.71 ug/l

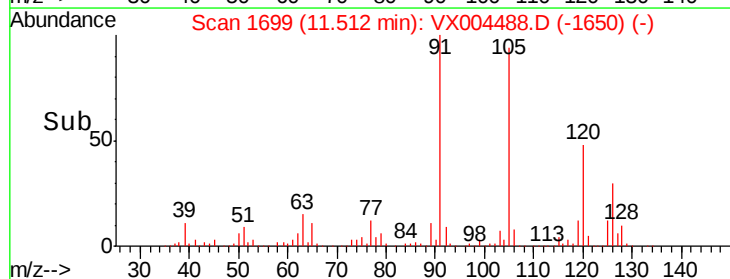
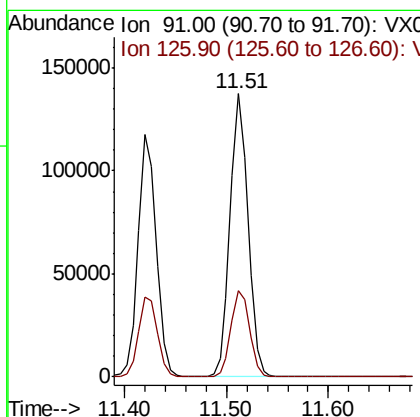
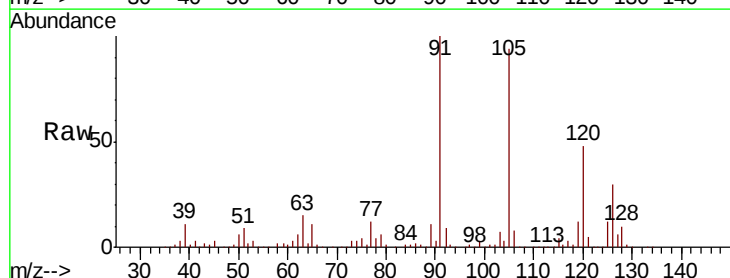
RT: 11.51 min Scan# 1699

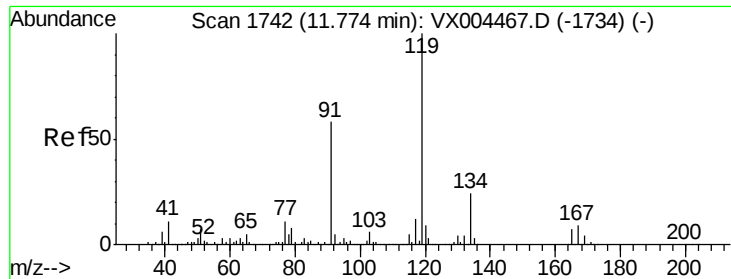
Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Tgt Ion:	91	Resp:	167275
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.5	46.5





#83

tert-Butylbenzene

Concen: 18.93 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

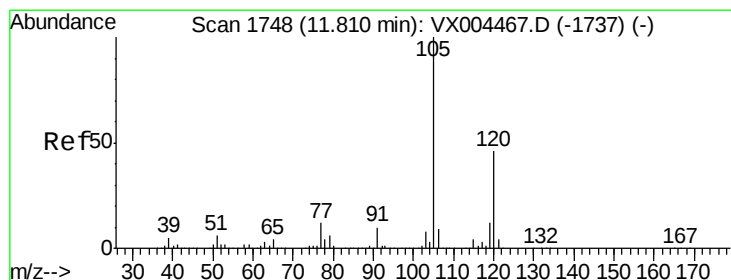
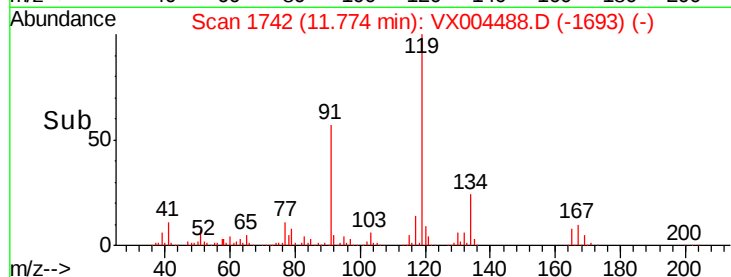
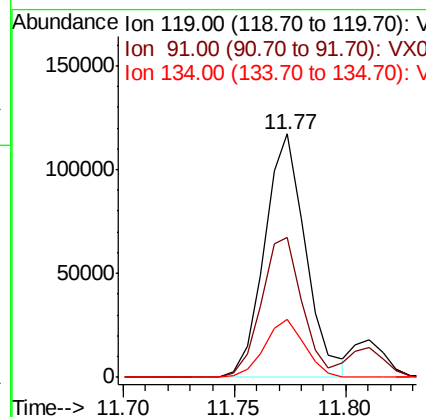
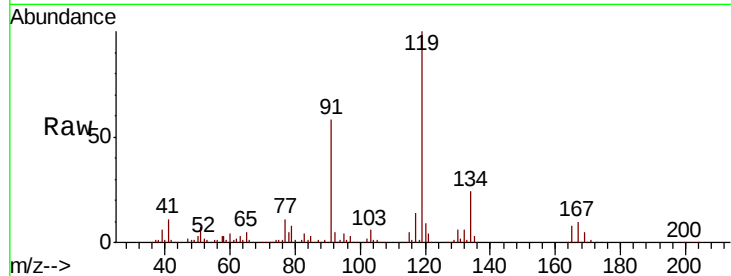
ClientSampleId :

VX0912MBS01

Tot Ion:	119	Resp:	150326
Ion Ratio	Lower	Upper	
119	100		
91	56.9	27.0	81.0
134	23.5	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 20.68 ug/l

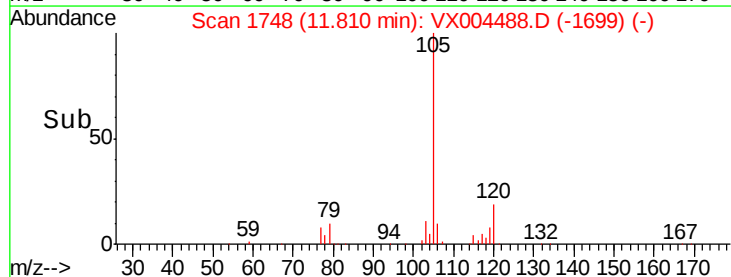
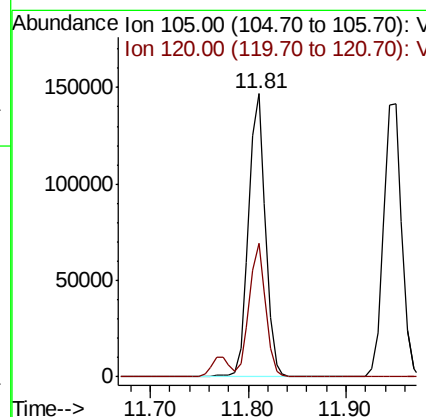
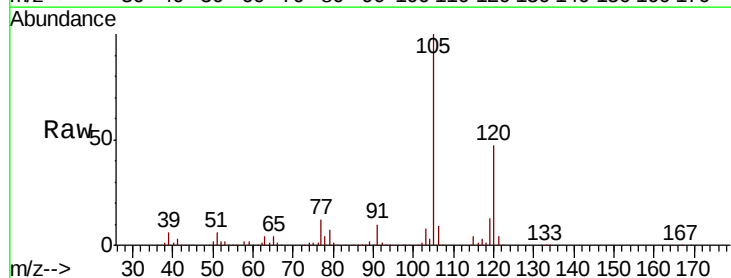
RT: 11.81 min Scan# 1748

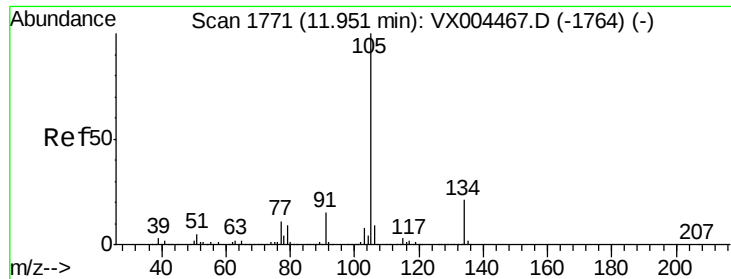
Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Tgt Ion:	105	Resp:	176172
Ion Ratio	Lower	Upper	
105	100		
120	45.6	23.2	69.6





#85

sec-Butylbenzene

Concen: 18.04 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS01

Tot Ion:105 Resp: 182559

Ion Ratio Lower Upper

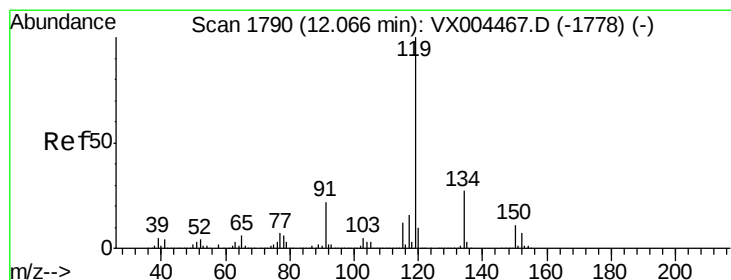
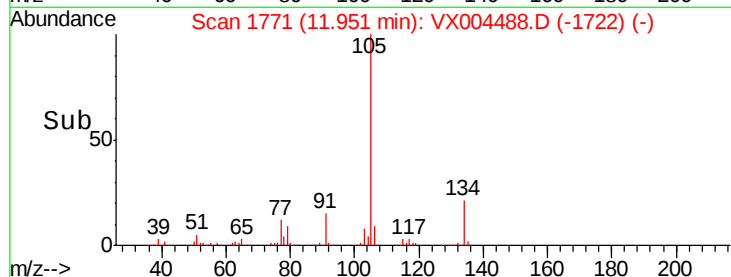
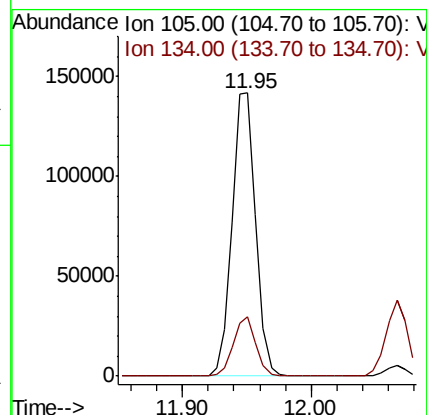
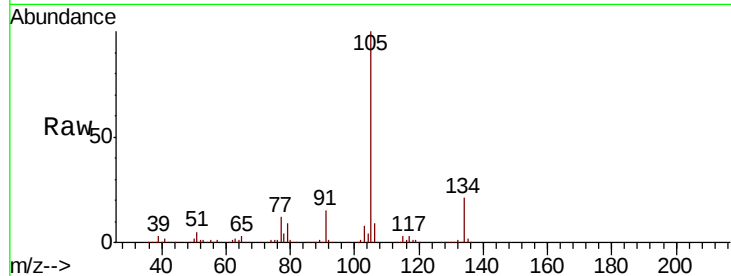
105 100

134 19.8 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 18.60 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

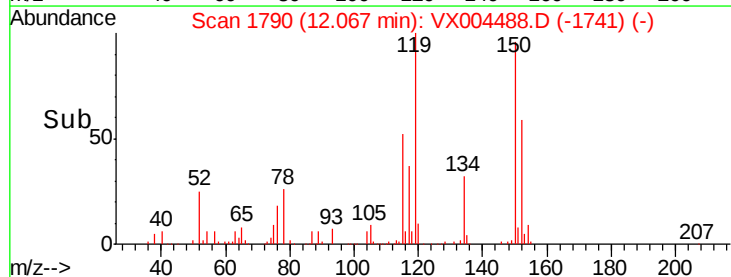
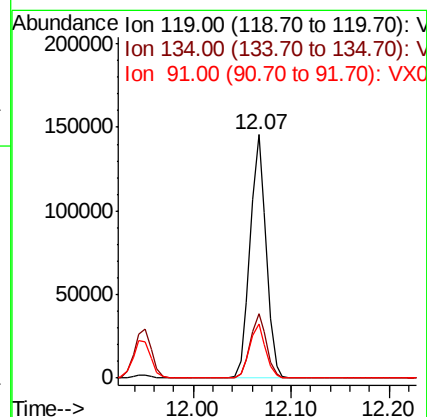
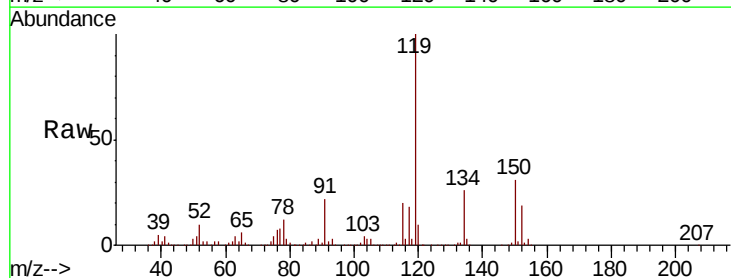
Tgt Ion:119 Resp: 166263

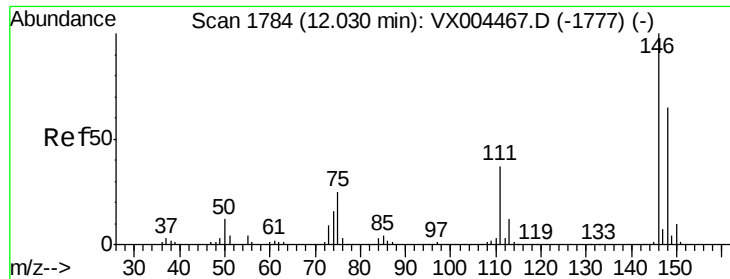
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 22.5 10.9 32.7





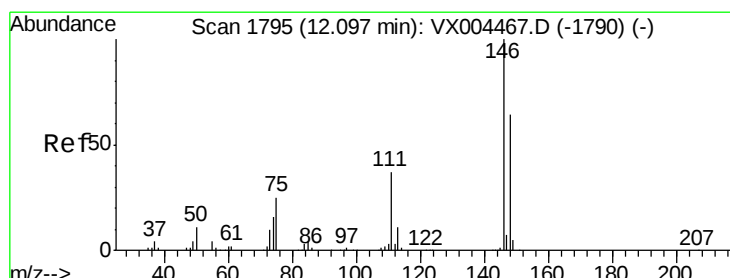
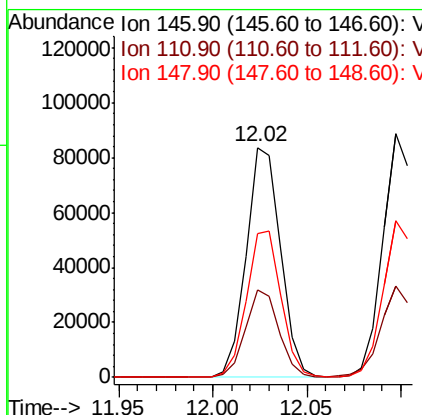
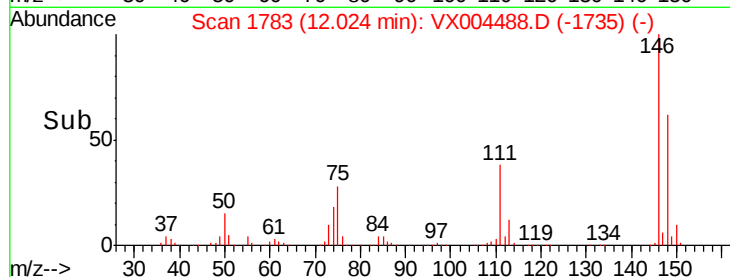
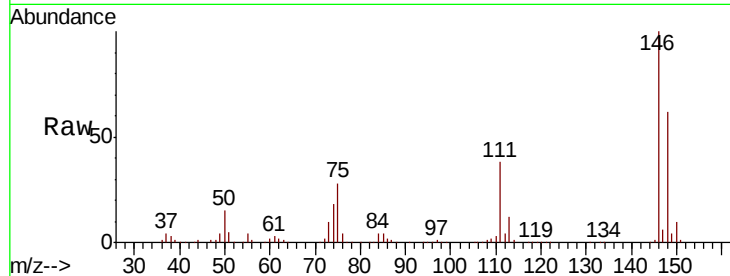
#87
 1,3-Dichlorobenzene
 Concen: 20.72 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	64.0	32.1	96.5

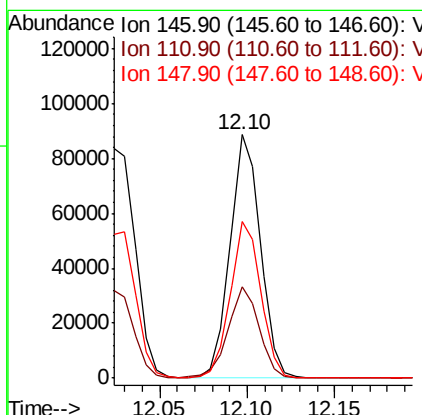
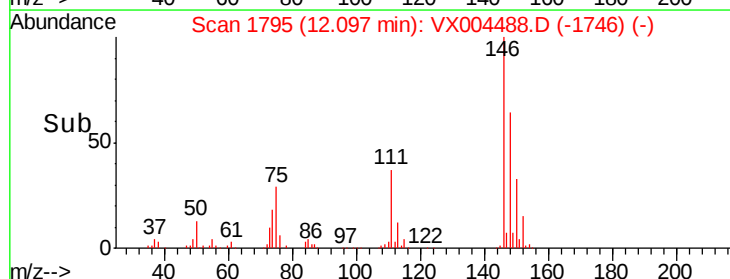
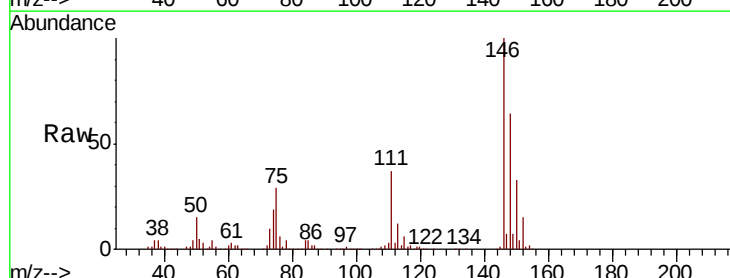
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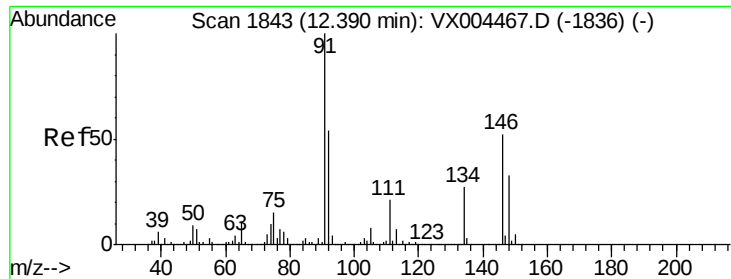
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#88
 1,4-Dichlorobenzene
 Concen: 20.17 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.1	54.1
148	65.3	32.0	96.0





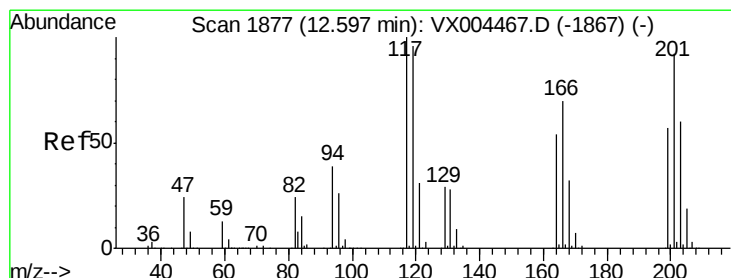
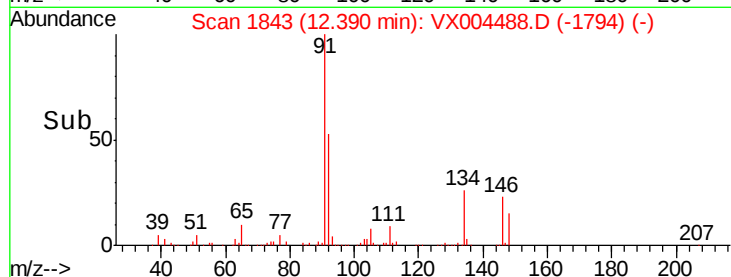
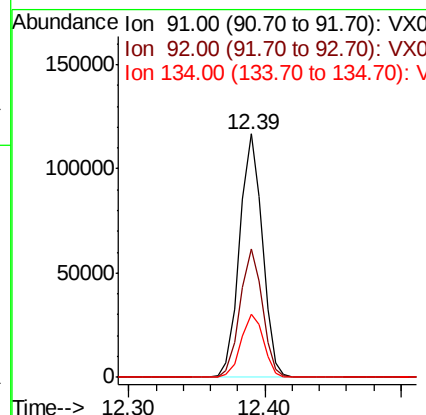
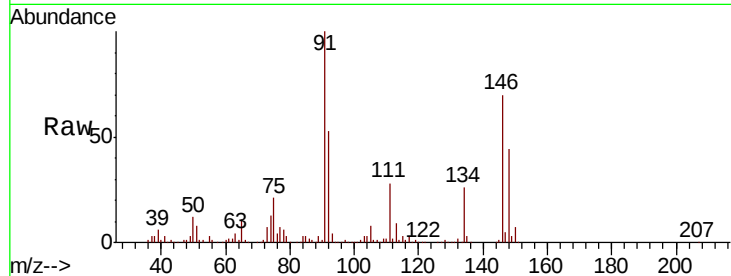
#89
n-Butylbenzene
Concen: 16.74 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.0	27.3	81.9	
134	26.2	13.6	40.7	

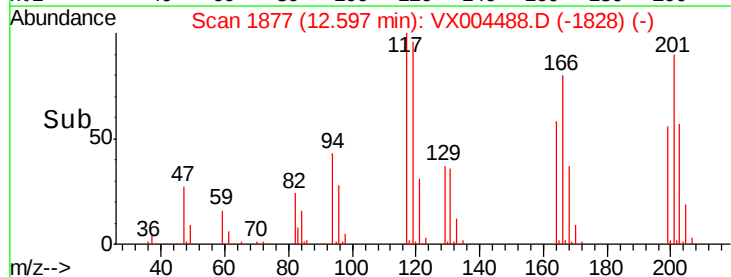
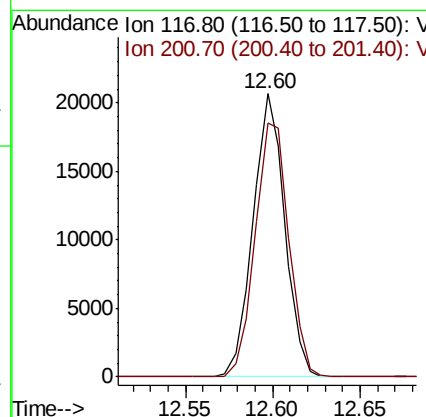
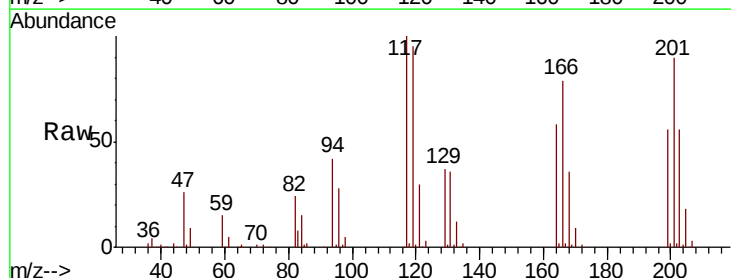
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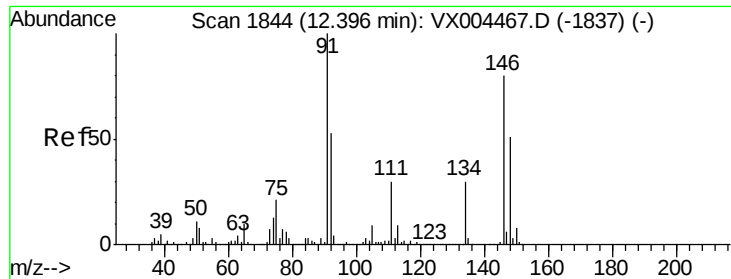
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#90
Hexachloroethane
Concen: 18.16 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004488.D
Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	95.7	46.9	140.6	





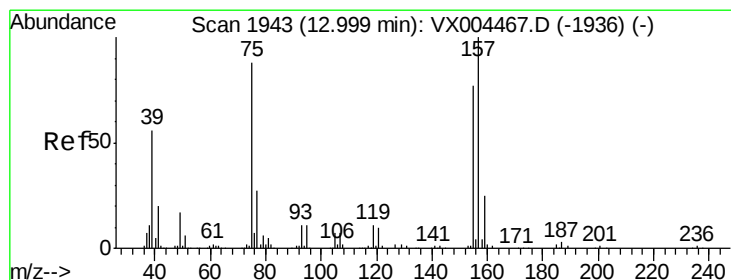
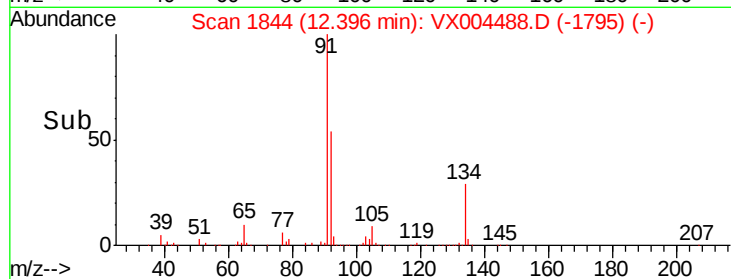
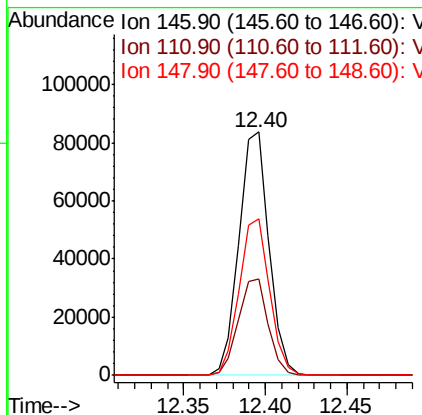
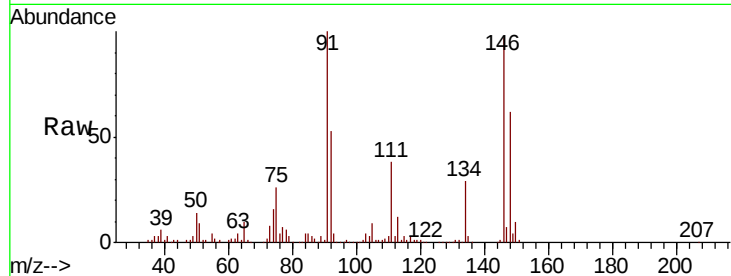
#91
 1,2-Dichlorobenzene
 Concen: 20.82 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.1
148	65.0	32.8	98.3

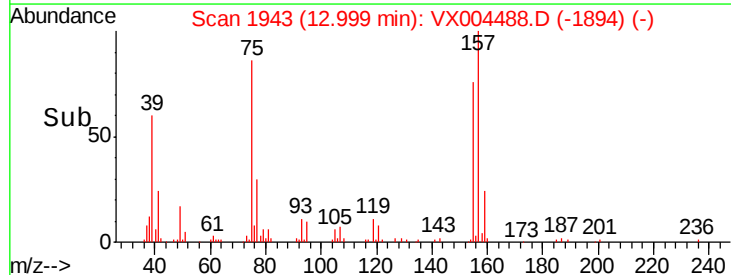
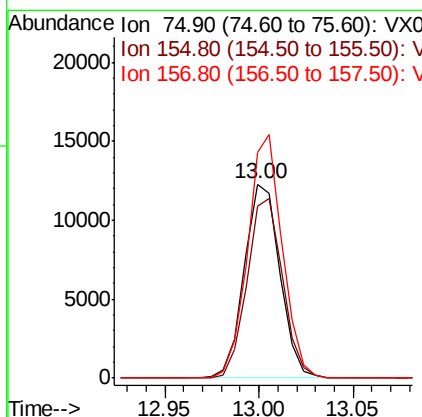
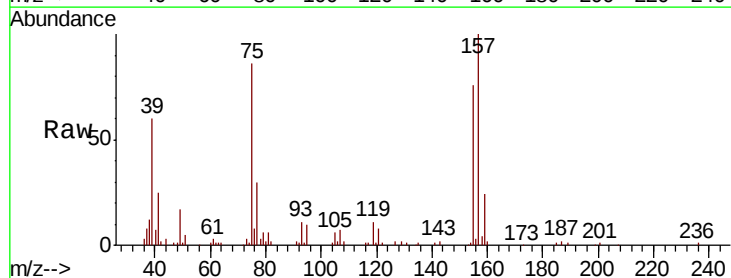
Manual Integrations
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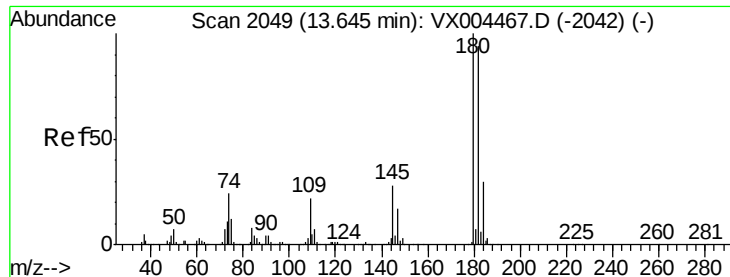
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.57 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	48.0	144.2
157	121.6	61.4	184.1





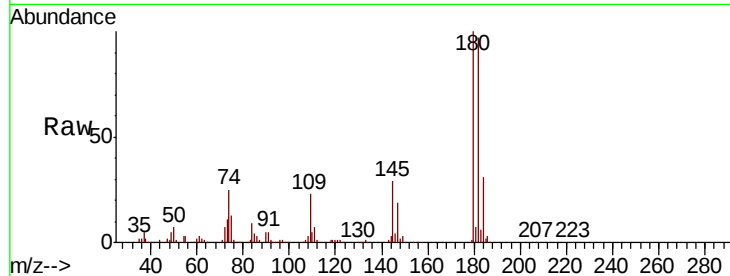
#93
 1,2,4-Trichlorobenzene
 Concen: 19.77 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	72526		
182	96.0		48.4	145.0
145	28.1		14.3	42.9

Manual Integrations
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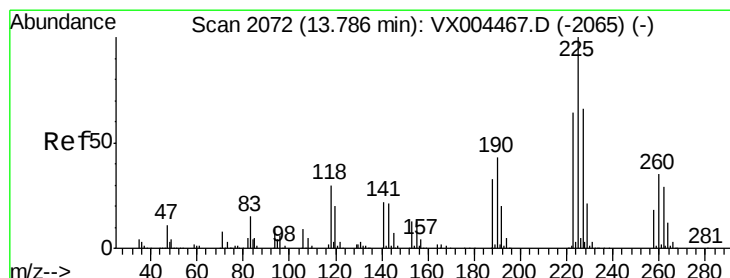
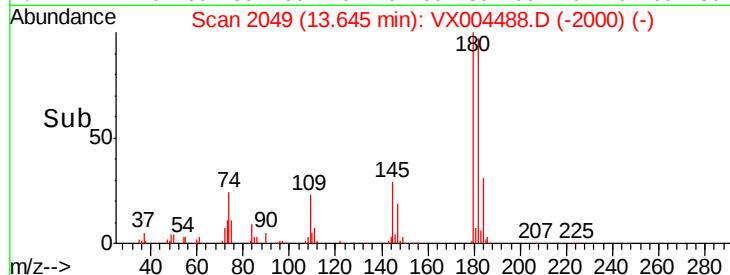
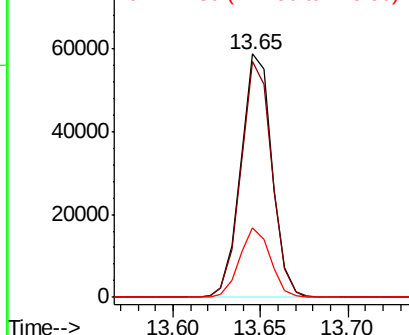


Abundance

Ion 179.80 (179.50 to 180.50): V

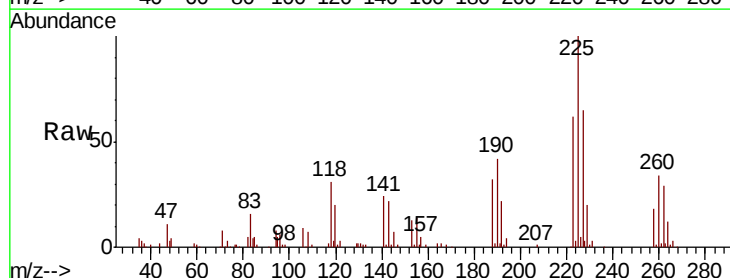
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 14.92 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004488.D
 Acq: 12 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28582		
223	63.1		30.1	90.5
227	64.5		30.8	92.4

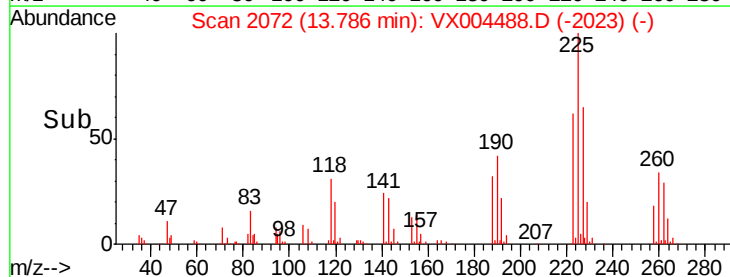
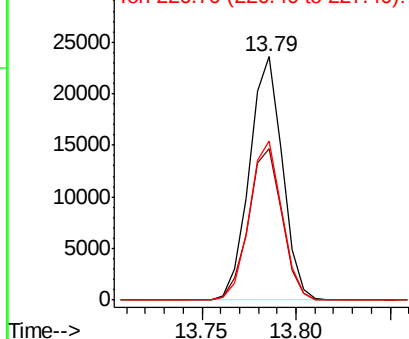


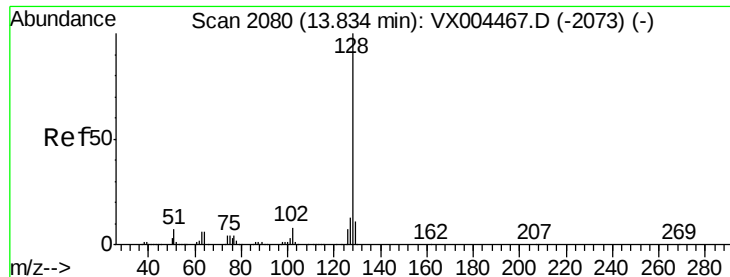
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.22 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Instrument :

MSVOA_X

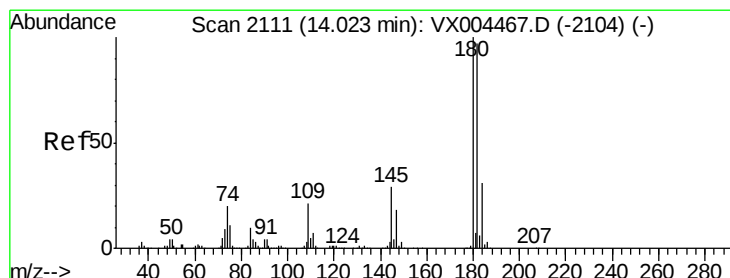
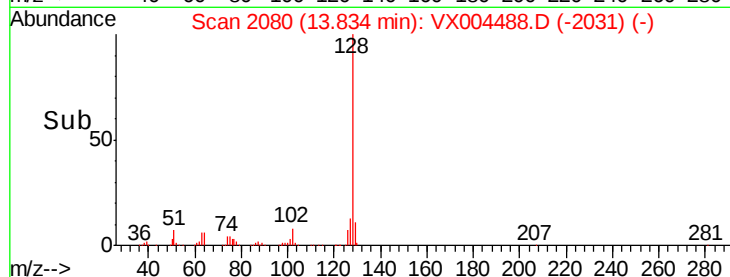
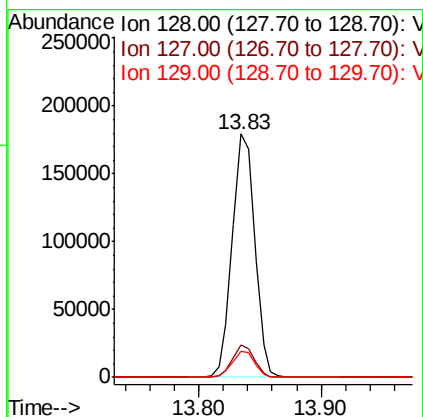
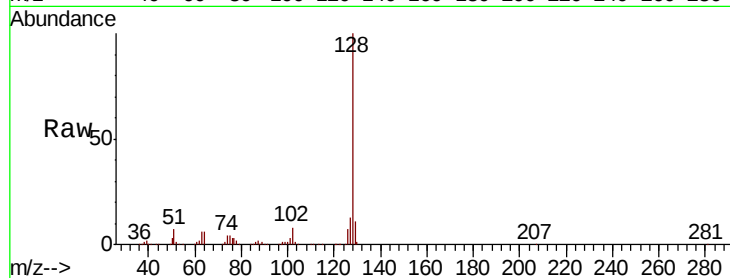
ClientSampleId :

VX0912MBS01

Tot Ion:	128	Resp:	228594
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:15 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.49 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004488.D

Acq: 12 Sep 2018 12:19

Tgt Ion:	180	Resp:	77204
Ion Ratio	Lower	Upper	
180	100		
182	97.5	48.5	145.6
145	29.9	14.9	44.9

