

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
 Data File : VX004500.D
 Acq On : 12 Sep 2018 17:42
 Operator : JC/MD
 Sample : VX0912MBSD02
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0912MBSD02

Manual Integrations
 APPROVED

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

Quant Time: Sep 13 03:27:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	386553	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215915	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	176029	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	5.51	113	152487	43.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.22%	
50) Toluene-d8	8.72	98	594782	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.14	95	214513	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	52192	21.02	ug/l	97
3) Chloromethane	1.32	50	69667	20.39	ug/l	100
4) Vinyl Chloride	1.40	62	73849	21.06	ug/l	97
5) Bromomethane	1.64	94	36419	24.19	ug/l	98
6) Chloroethane	1.71	64	45402	20.02	ug/l	97
7) Trichlorofluoromethane	1.92	101	94986	20.43	ug/l	96
8) Diethyl Ether	2.19	74	44500	21.35	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	61316	20.79	ug/l	99
10) Methyl Iodide	2.51	142	61580	20.24	ug/l	99
11) Tert butyl alcohol	3.07	59	91527	112.30	ug/l	100
12) 1,1-Dichloroethene	2.37	96	58038	20.97	ug/l	99
13) Acrolein	2.29	56	33674	104.67	ug/l	97
14) Allyl chloride	2.73	41	116568	20.48	ug/l	95
15) Acrylonitrile	3.15	53	214376	109.23	ug/l	99
16) Acetone	2.45	43	167248	100.32	ug/l	97
17) Carbon Disulfide	2.57	76	159081	19.88	ug/l	99
18) Methyl Acetate	2.78	43	98165	20.99	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	207667	21.38	ug/l	98
20) Methylene Chloride	2.85	84	68749	20.10	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	63714	20.83	ug/l	98
22) Diisopropyl ether	3.87	45	215398	21.02	ug/l	98
23) Vinyl Acetate	3.82	43	943754	113.79	ug/l	97
24) 1,1-Dichloroethane	3.70	63	123806	21.40	ug/l	98
25) 2-Butanone	4.71	43	258005	97.24	ug/l	96
26) 2,2-Dichloropropane	4.58	77	76048	19.14	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	68546	20.08	ug/l	99
28) Bromochloromethane	5.02	49	56664	21.41	ug/l	96
29) Tetrahydrofuran	5.17	42	169922	106.20	ug/l	97
30) Chloroform	5.22	83	111589	19.75	ug/l	98
31) Cyclohexane	5.57	56	101666	20.58	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	92884	20.41	ug/l	99
36) 1,1-Dichloropropene	5.80	75	84005	17.90	ug/l	99
37) Ethyl Acetate	4.86	43	95513	17.89	ug/l	99
38) Carbon Tetrachloride	5.79	117	79421	17.33	ug/l	90

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 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	99333	20.28	ug/l	96
40) Benzene	6.14	78	261402	18.77	ug/l	98
41) Methacrylonitrile	5.06	41	53513	18.20	ug/l	99
42) 1,2-Dichloroethane	6.20	62	86309	18.69	ug/l	99
43) Isopropyl Acetate	6.47	43	142273	20.07	ug/l	100
44) Trichloroethene	7.21	130	73782	20.40	ug/l	98
45) 1,2-Dichloropropane	7.52	63	67501	20.15	ug/l	100
46) Dibromomethane	7.66	93	43032	20.33	ug/l	98
47) Bromodichloromethane	7.90	83	77275	19.30	ug/l	98
48) Methyl methacrylate	7.78	41	72918	20.78	ug/l	97
49) 1,4-Dioxane	7.76	88	36322	437.41	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	486484	97.24	ug/l	98
52) Toluene	8.79	92	162846	19.85	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	87362	18.68	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	98048	20.57	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	66845	18.92	ug/l	97
56) Ethyl methacrylate	9.18	69	97588	19.53	ug/l	98
57) 1,3-Dichloropropane	9.37	76	109790	19.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	253678	104.01	ug/l	96
59) 2-Hexanone	9.50	43	374046	97.47	ug/l	98
60) Dibromochloromethane	9.59	129	62050	18.66	ug/l	99
61) 1,2-Dibromoethane	9.68	107	68701	20.36	ug/l	99
64) Tetrachloroethene	9.34	164	85783	18.78	ug/l	97
65) Chlorobenzene	10.14	112	181238	19.94	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	61114	19.50	ug/l	99
67) Ethyl Benzene	10.26	91	301738	20.42	ug/l	98
68) m/p-Xylenes	10.36	106	239084	42.00	ug/l	98
69) o-Xylene	10.70	106	114207	20.87	ug/l	99
70) Styrene	10.71	104	190019	20.96	ug/l	99
71) Bromoform	10.86	173	46654	18.13	ug/l #	97
73) Isopropylbenzene	11.02	105	308438	21.69	ug/l	100
74) N-amyl acetate	10.90	43	125377	20.95	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	92727	20.22	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	89784m	20.67	ug/l	
77) Bromobenzene	11.26	156	80963	20.60	ug/l	97
78) n-propylbenzene	11.36	91	355792	21.76	ug/l	99
79) 2-Chlorotoluene	11.42	91	210469	21.22	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	258493	21.62	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	27373	20.09	ug/l	98
82) 4-Chlorotoluene	11.51	91	245241	21.19	ug/l	100
83) tert-Butylbenzene	11.77	119	239757	21.07	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	272589	22.33	ug/l	99
85) sec-Butylbenzene	11.95	105	311421	21.47	ug/l	99
86) p-Isopropyltoluene	12.07	119	277903	21.70	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	150571	20.53	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	151539	20.00	ug/l	99
89) n-Butylbenzene	12.39	91	238322	20.42	ug/l	98
90) Hexachloroethane	12.60	117	39300	19.17	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	151072	20.35	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20572	21.01	ug/l	99

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ClientSampleId :
VX0912MBSD02

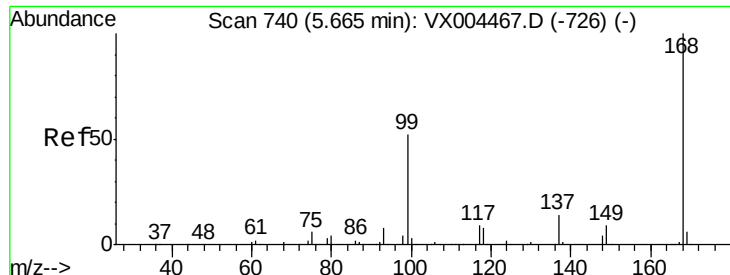
Manual Integrations
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9/13/2018 10:58:58 AM

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	107956	20.54	ug/l	98
94) Hexachlorobutadiene	13.79	225	53040	19.32	ug/l	98
95) Naphthalene	13.83	128	320949	21.77	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	110459	20.46	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampled :

VX0912MBS02

Tot Ion:168 Resp: 264902

Ion Ratio Lower Upper

168 100

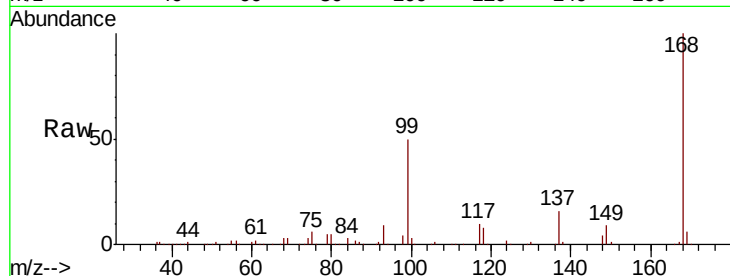
99 49.5 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

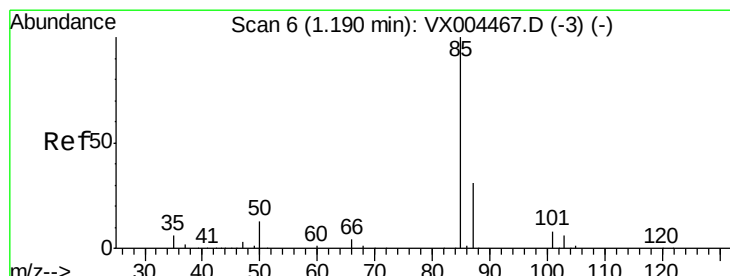
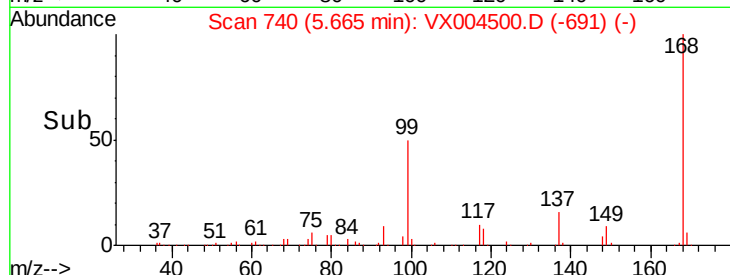
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.02 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX004500.D

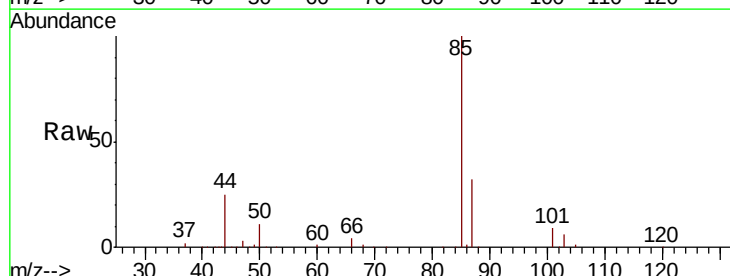
Acq: 12 Sep 2018 17:42

Tgt Ion: 85 Resp: 52192

Ion Ratio Lower Upper

85 100

87 32.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

50000

40000

30000

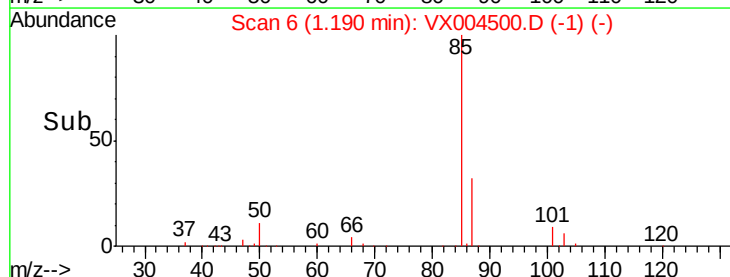
20000

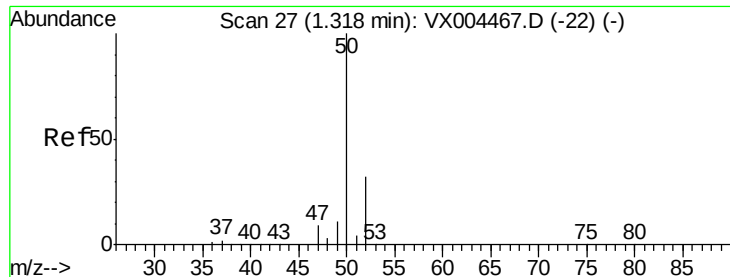
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.39 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

Tot Ion: 50 Resp: 69667

Ion Ratio Lower Upper

50 100

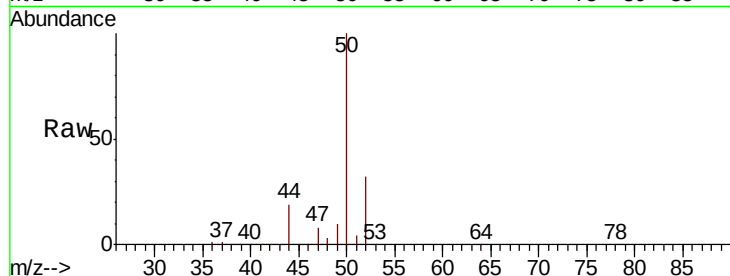
52 32.4 26.2 39.2

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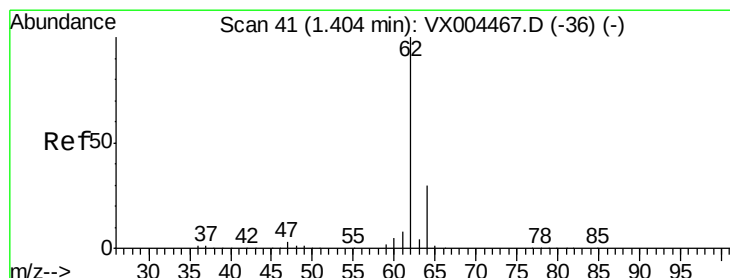
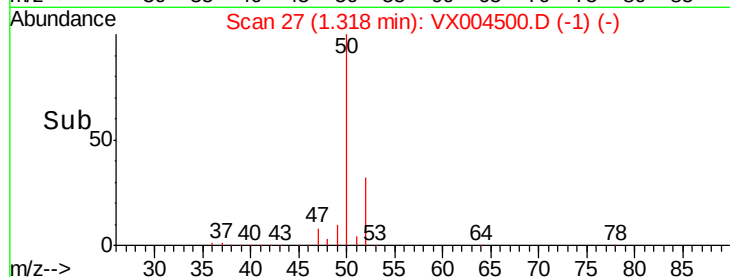
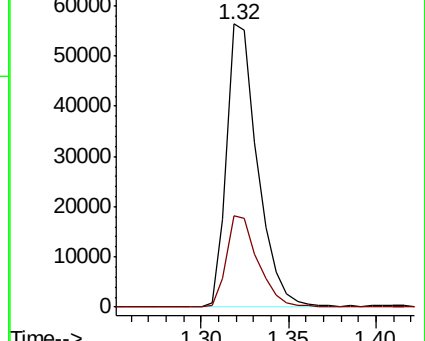
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.06 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004500.D

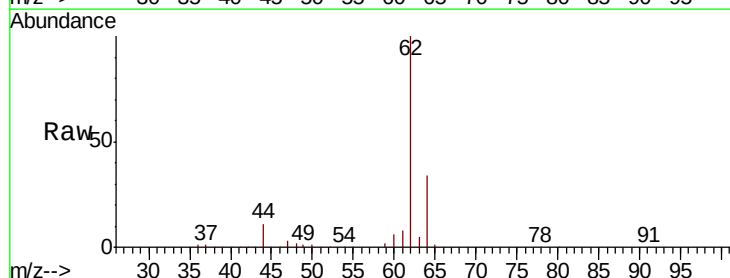
Acq: 12 Sep 2018 17:42

Tgt Ion: 62 Resp: 73849

Ion Ratio Lower Upper

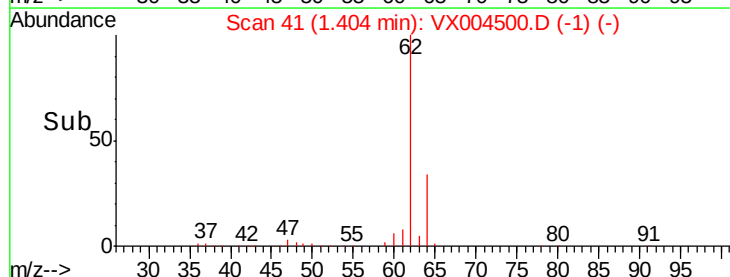
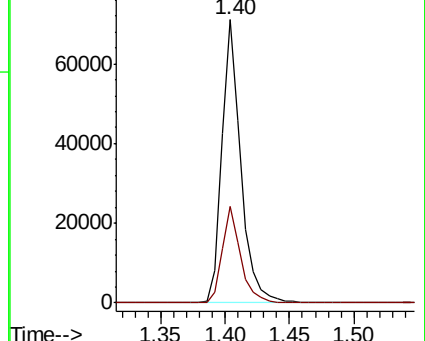
62 100

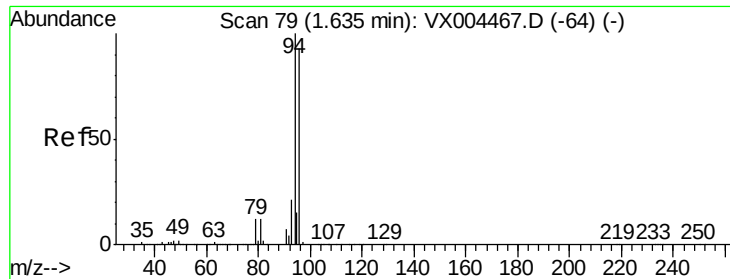
64 34.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 24.19 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Tot Ion: 94 Resp: 36419

Ion Ratio Lower Upper

94 100

96 94.9 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

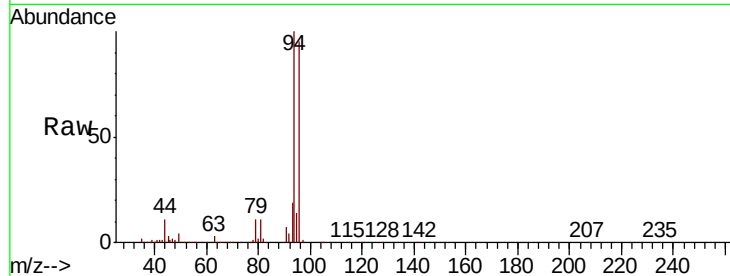
VX0912MBSD02

Manual Integrations

APPROVED

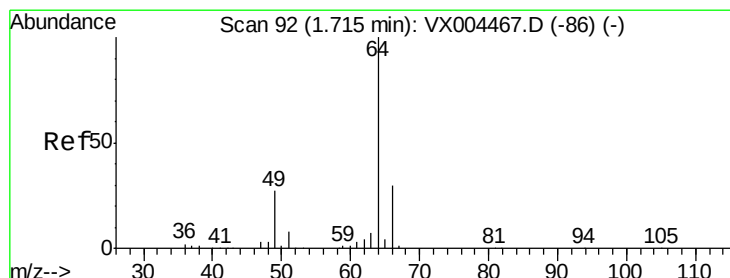
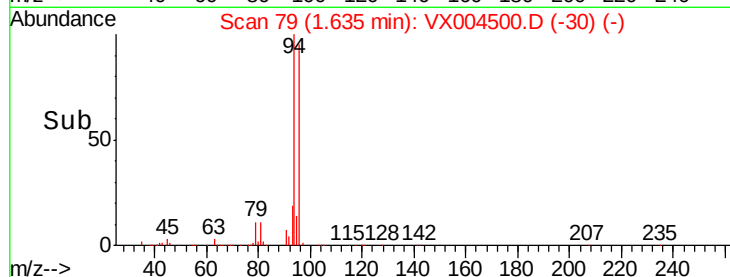
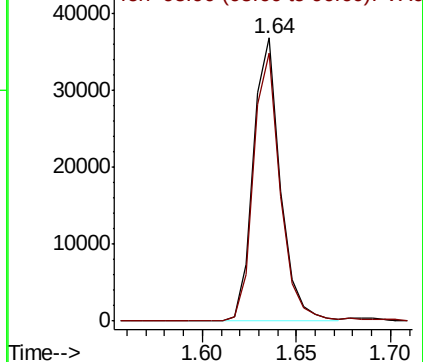
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.02 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004500.D

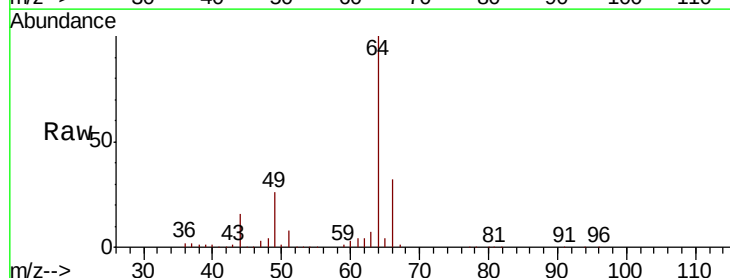
Acq: 12 Sep 2018 17:42

Tgt Ion: 64 Resp: 45402

Ion Ratio Lower Upper

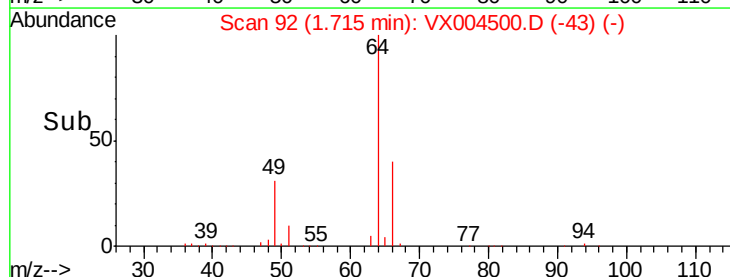
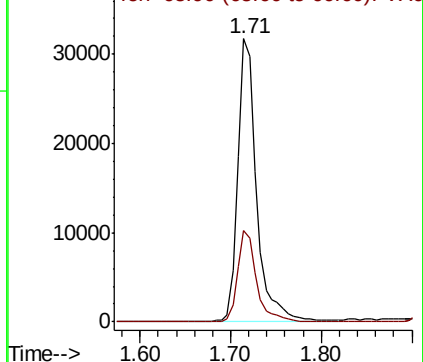
64 100

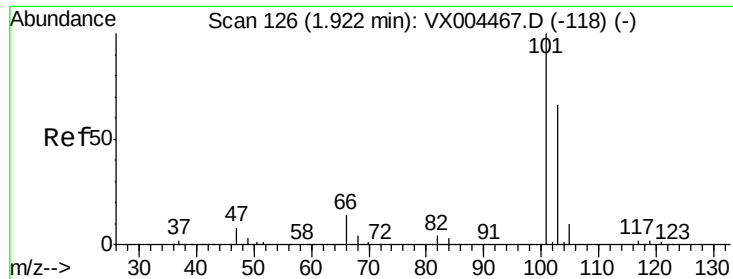
66 32.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

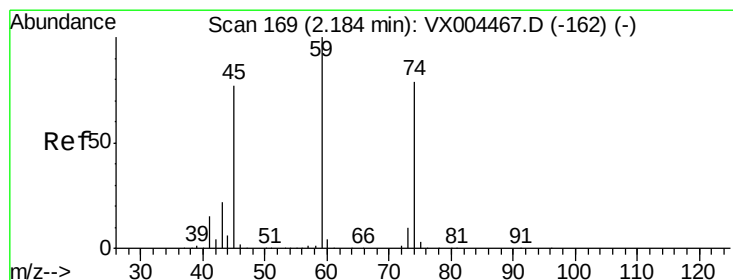
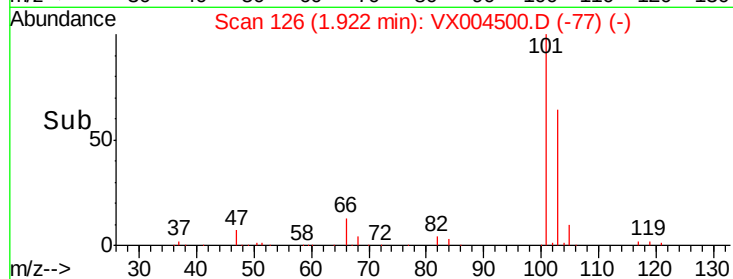
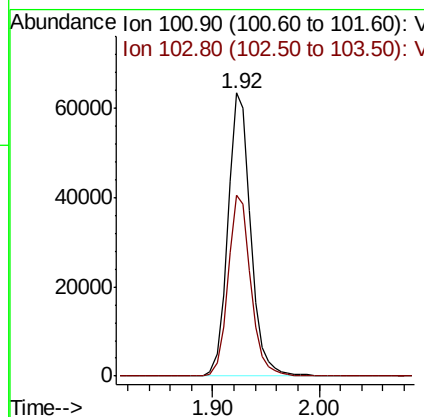
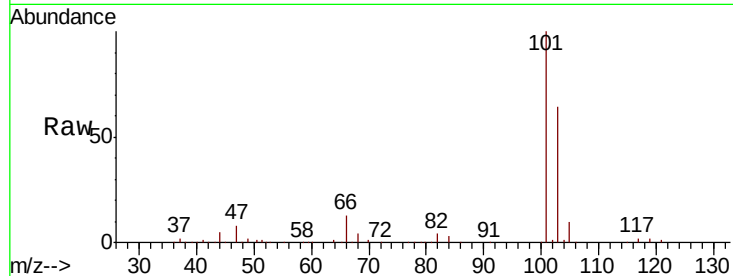
Trichlorofluoromethane
 Concen: 20.43 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
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 ClientSampleId :
 VX0912MBSD02

Tot Ion:101 Resp: 94986
 Ion Ratio Lower Upper
 101 100
 103 63.8 48.9 73.3

Manual Integrations
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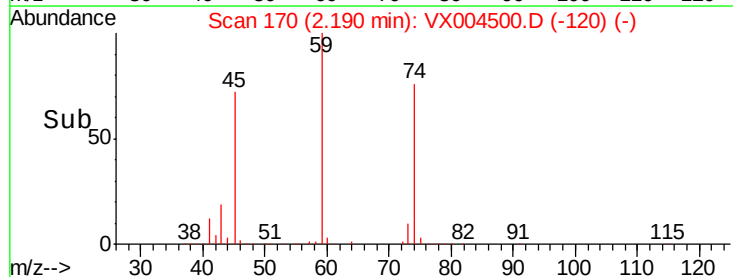
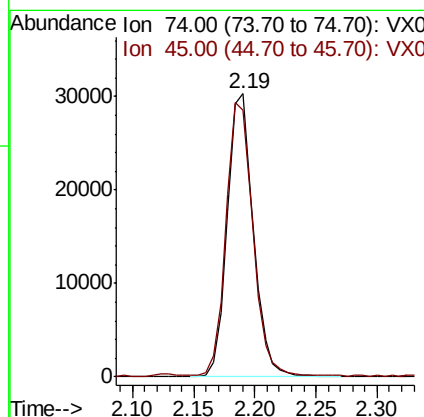
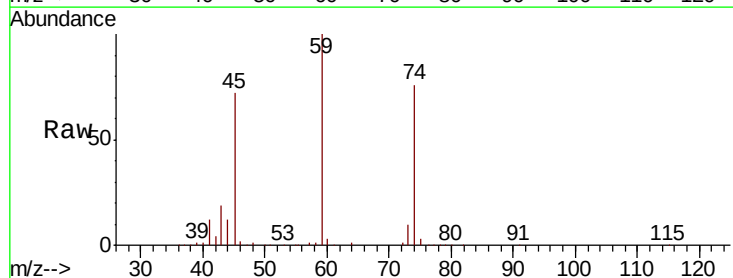
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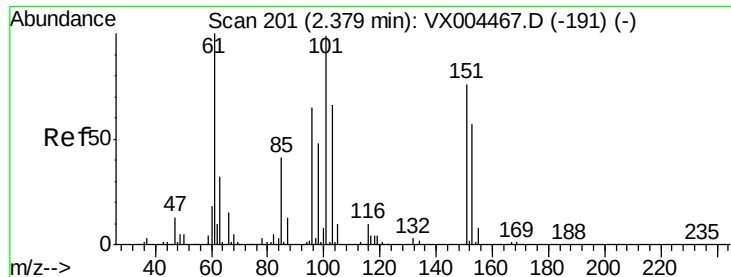


#8

Diethyl Ether
 Concen: 21.35 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion: 74 Resp: 44500
 Ion Ratio Lower Upper
 74 100
 45 99.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.79 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

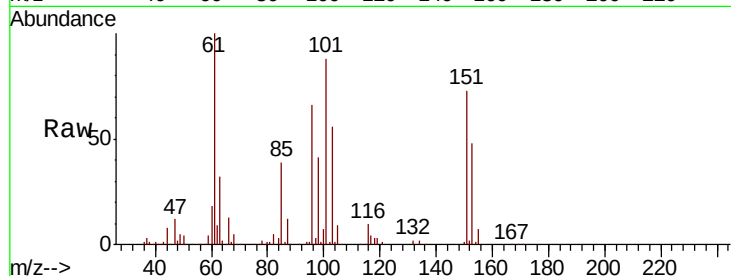
ClientSampleId :

VX0912MBSD02

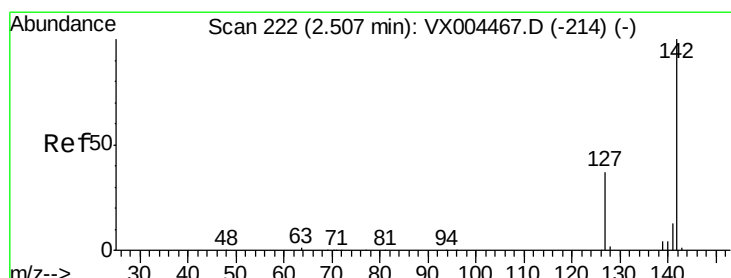
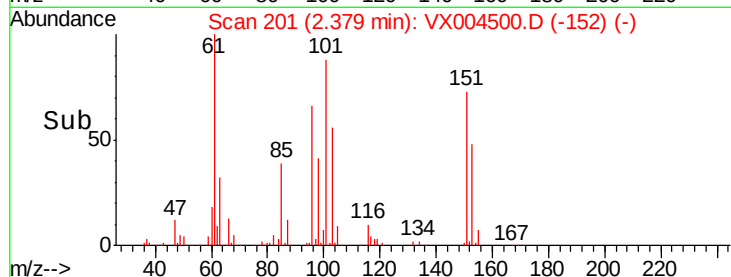
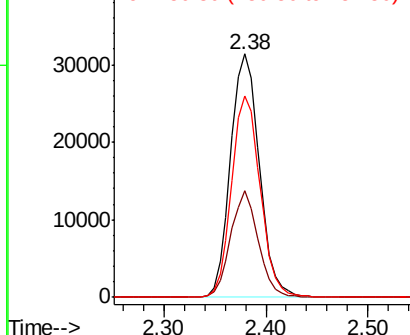
Tot Ion:	101	Resp:	61316
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.4
151	82.0	65.0	97.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.24 ug/l

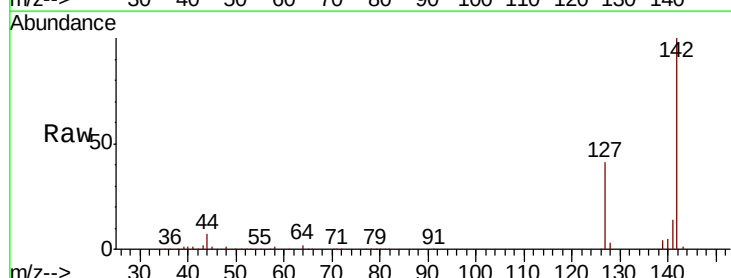
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

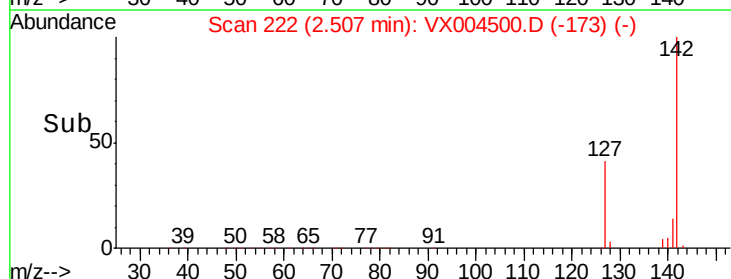
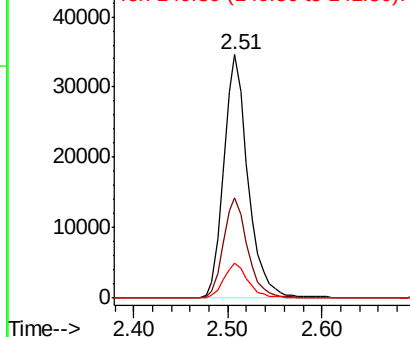
Lab File: VX004500.D

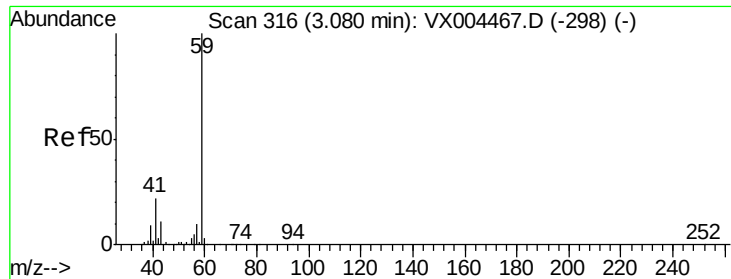
Acq: 12 Sep 2018 17:42

Tgt Ion:	142	Resp:	61580
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.8	50.6
141	14.3	11.4	17.0



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





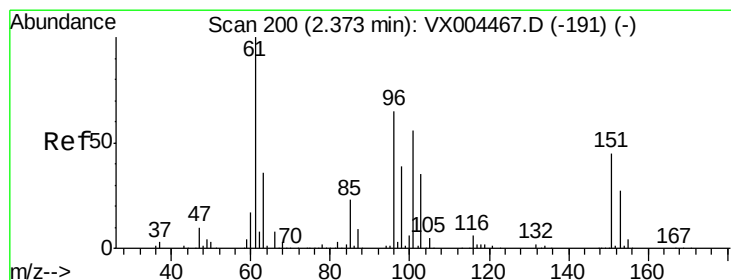
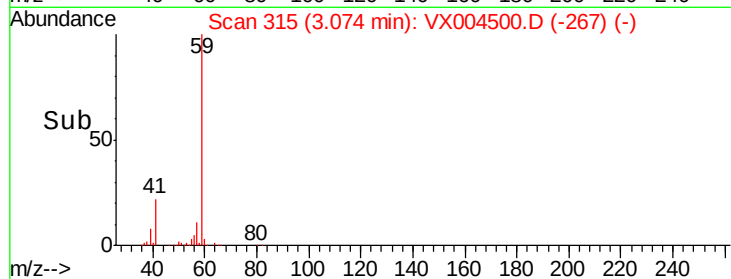
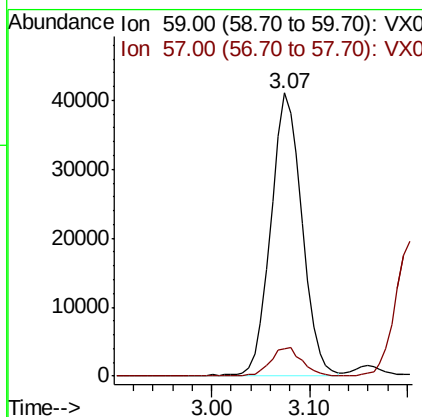
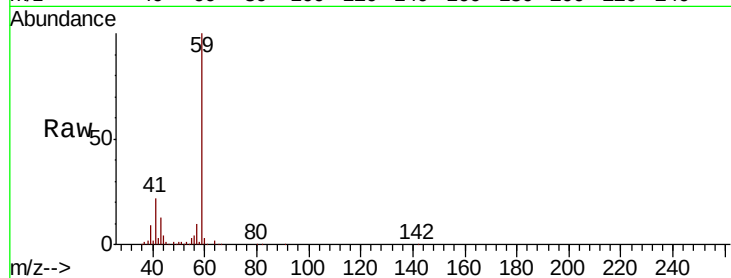
#11
Tert butyl alcohol
Concen: 112.30 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

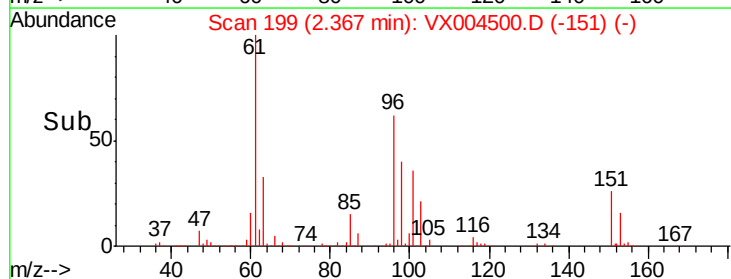
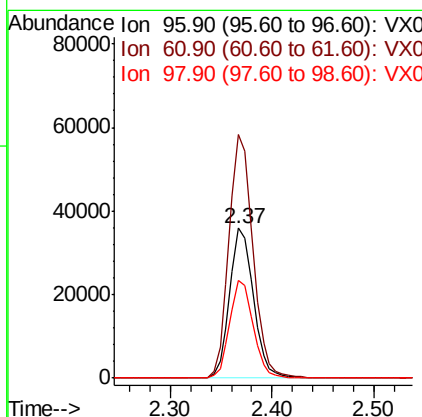
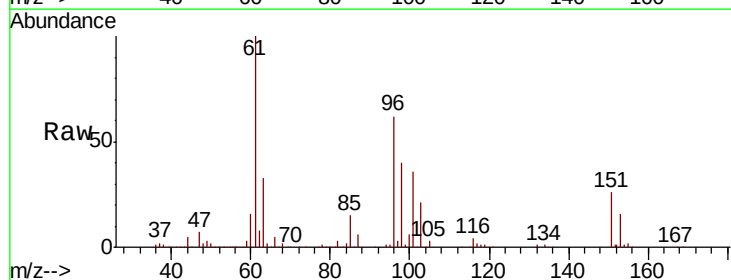
Manual Integrations
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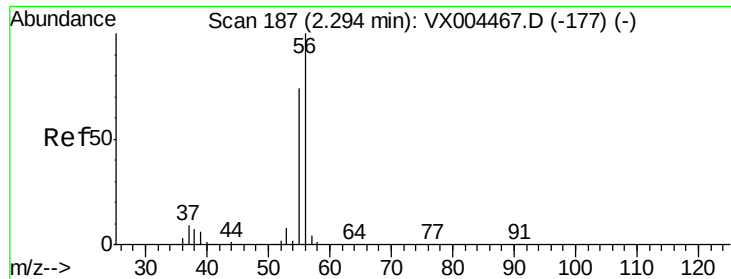
MMDadoda
9/13/2018 10:58:58 AM



#12
1,1-Dichloroethene
Concen: 20.97 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.5	128.8	193.2
98	65.3	52.2	78.2





#13

Acrolein

Concen: 104.67 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

Tot Ion: 56 Resp: 33674

Ion Ratio Lower Upper

56 100

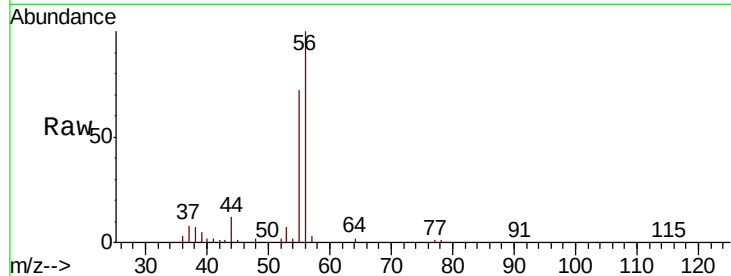
55 70.6 54.7 82.1

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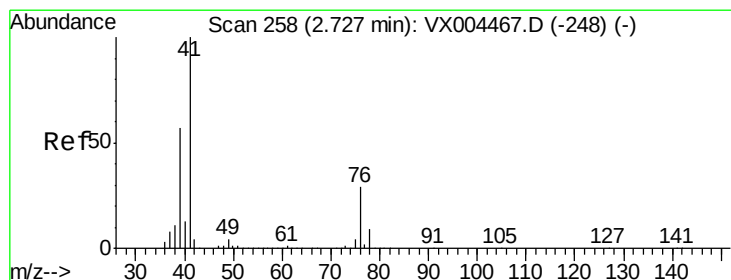
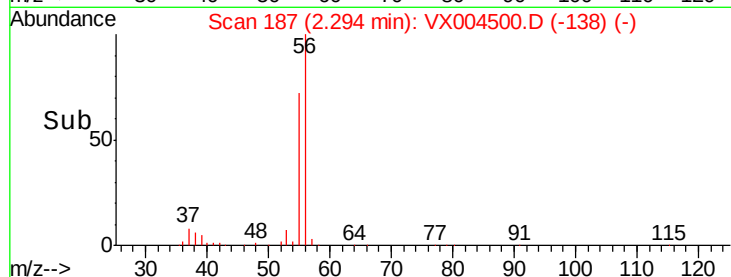
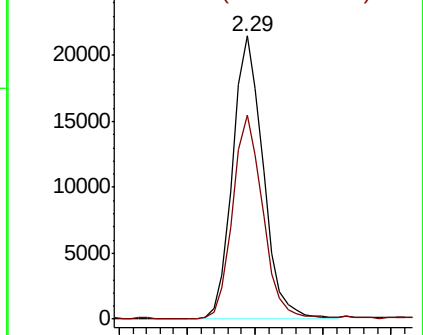
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.48 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

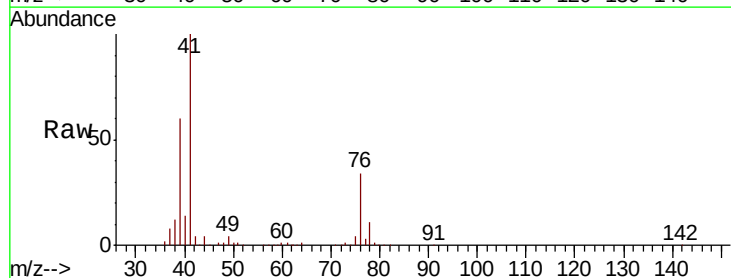
Tgt Ion: 41 Resp: 116568

Ion Ratio Lower Upper

41 100

39 57.2 48.9 73.3

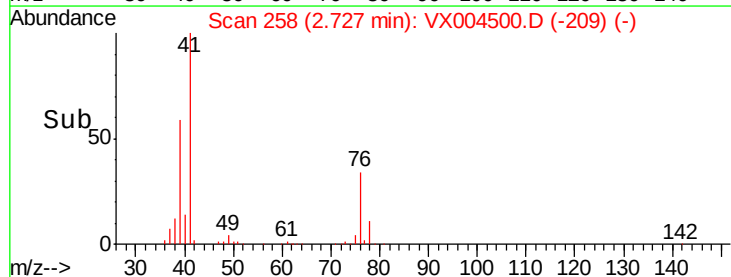
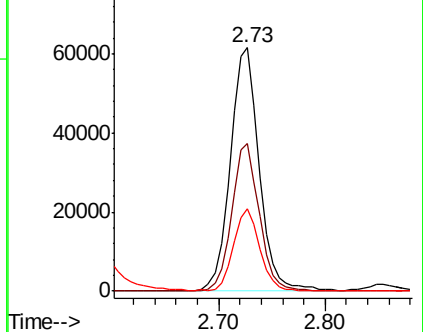
76 31.3 26.7 40.1

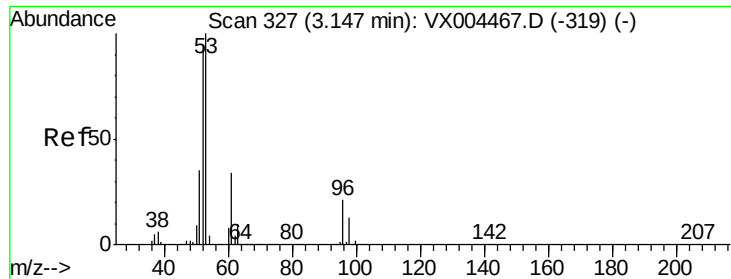


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 109.23 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

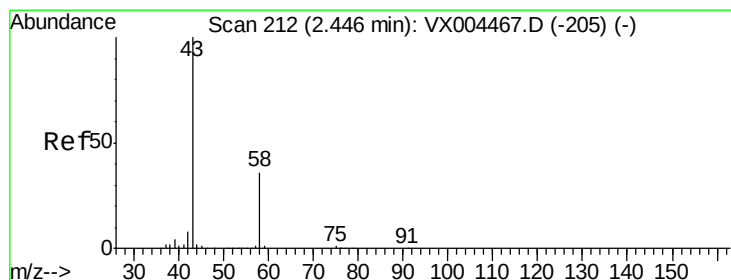
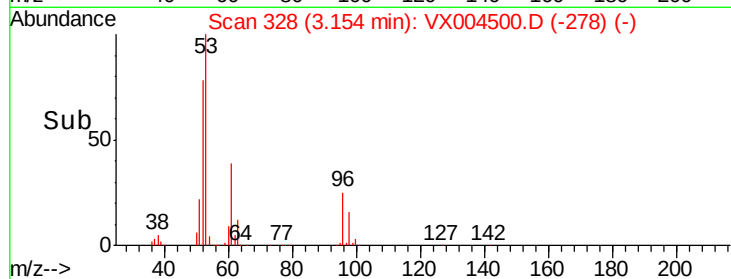
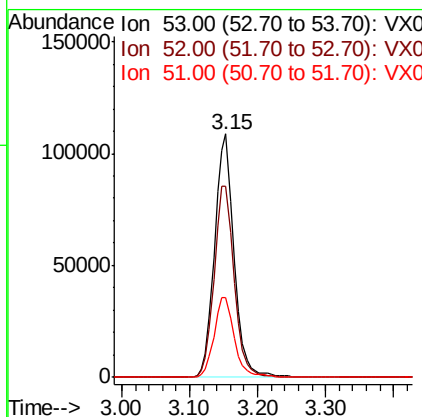
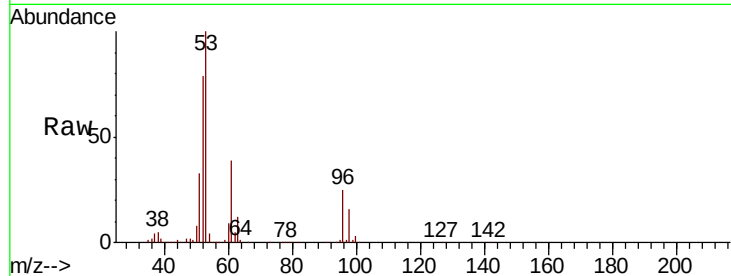
ClientSampleId :

VX0912MBSD02

Tot Ion:	53	Resp:	214376
Ion	Ratio	Lower	Upper
53	100		
52	81.0	65.2	97.8
51	34.3	28.2	42.2

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#16

Acetone

Concen: 100.32 ug/l

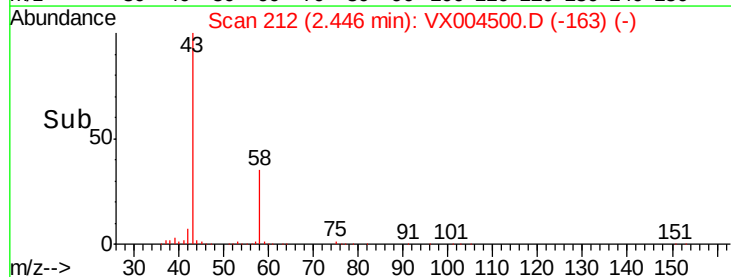
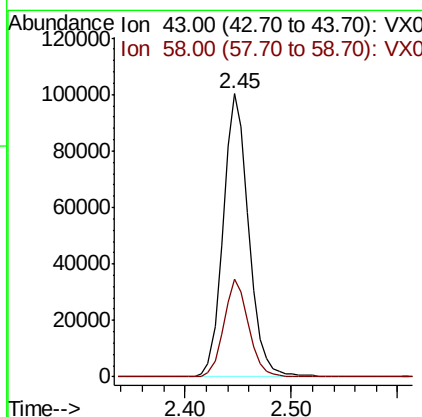
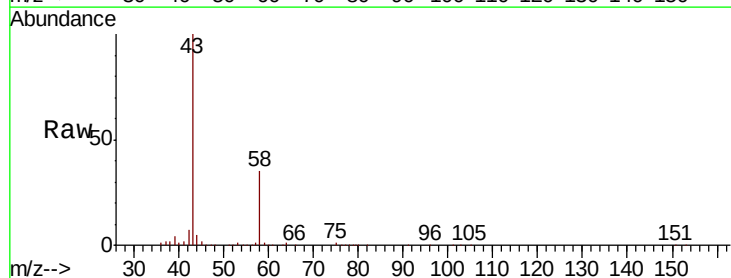
RT: 2.45 min Scan# 212

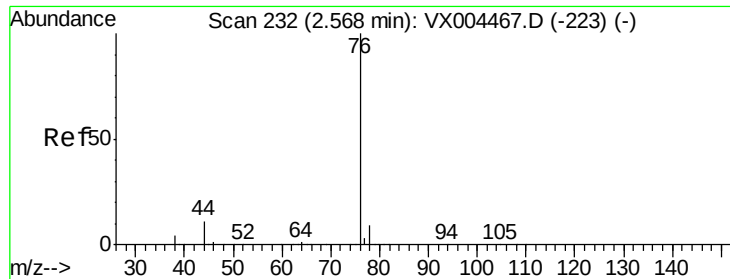
Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Tgt Ion:	43	Resp:	167248
Ion	Ratio	Lower	Upper
43	100		
58	34.6	26.2	39.4





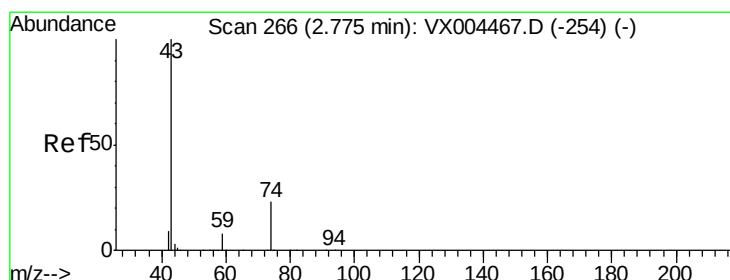
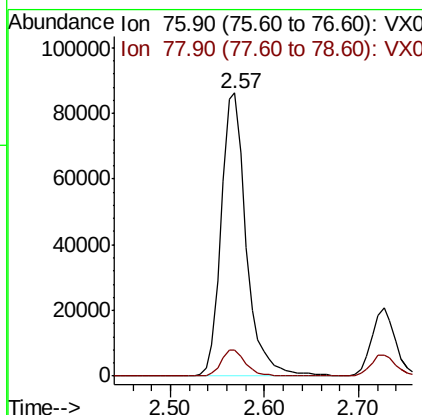
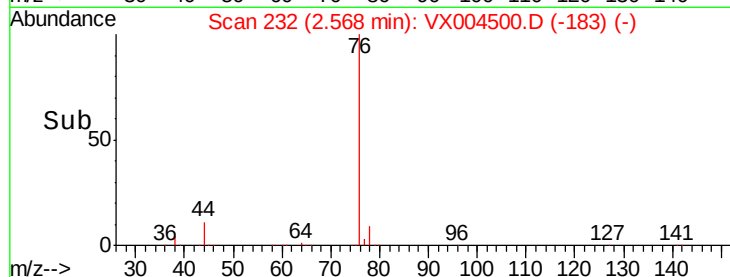
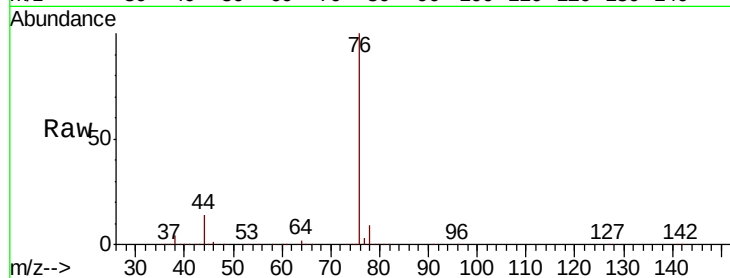
#17
Carbon Disulfide
Concen: 19.88 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

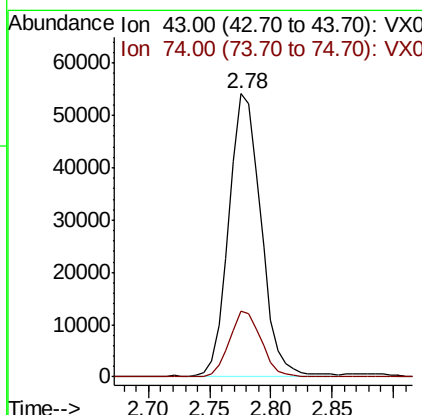
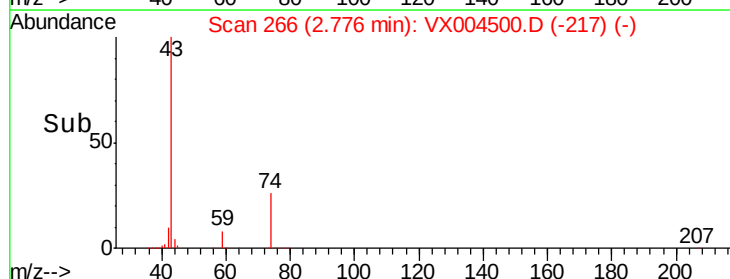
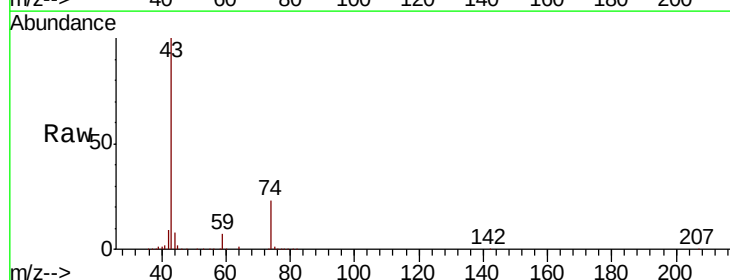
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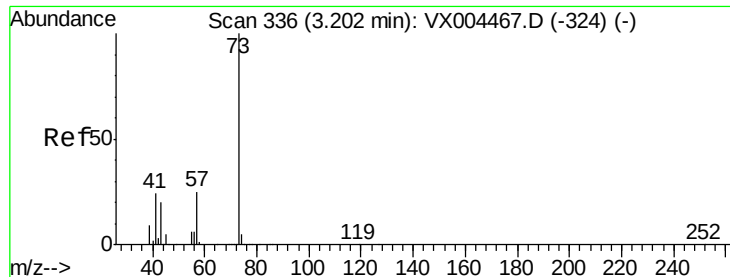
MMDadoda
9/13/2018 10:58:58 AM



#18
Methyl Acetate
Concen: 20.99 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.4	29.2





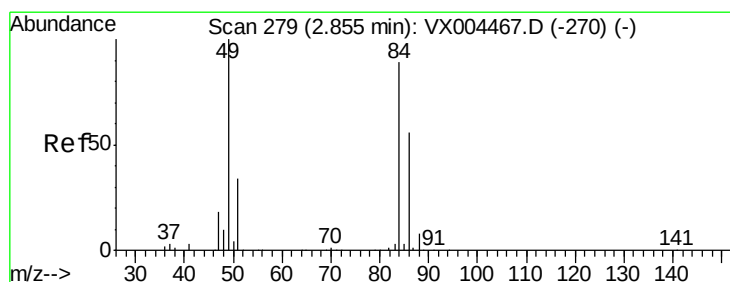
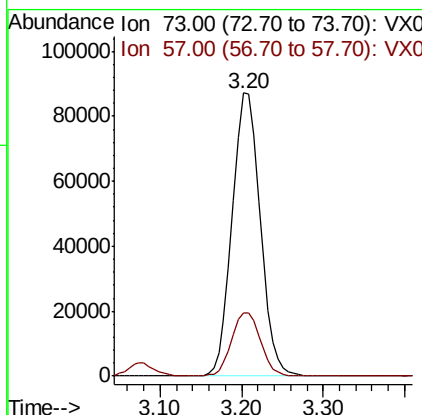
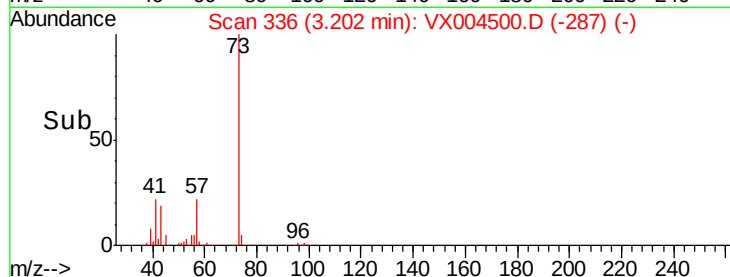
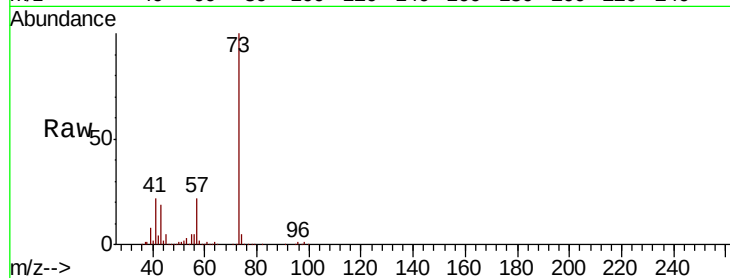
#19
Methyl tert-butyl Ether
Concen: 21.38 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleID :
VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.1	25.7

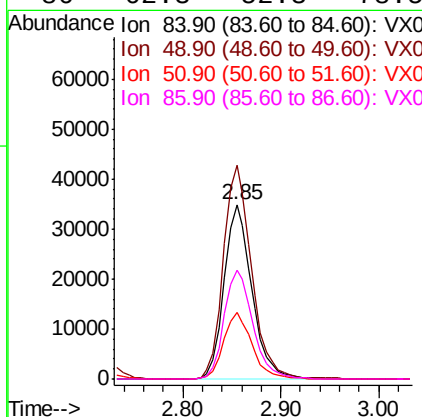
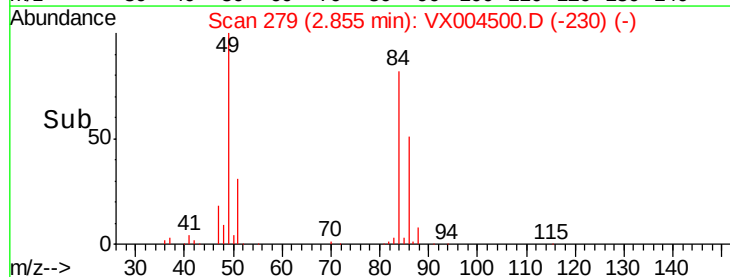
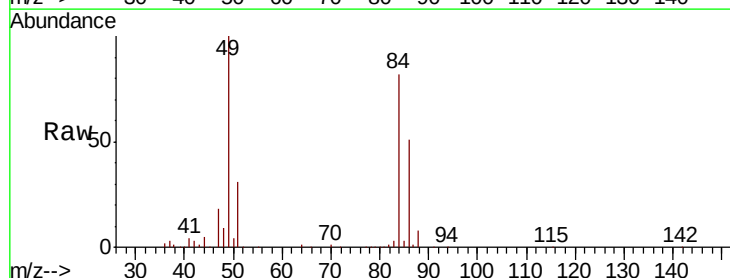
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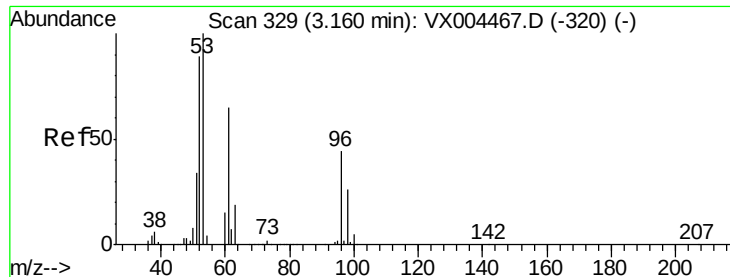
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#20
Methylene Chloride
Concen: 20.10 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.6	101.2	151.8
51	38.0	29.5	44.3
86	62.3	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 20.83 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

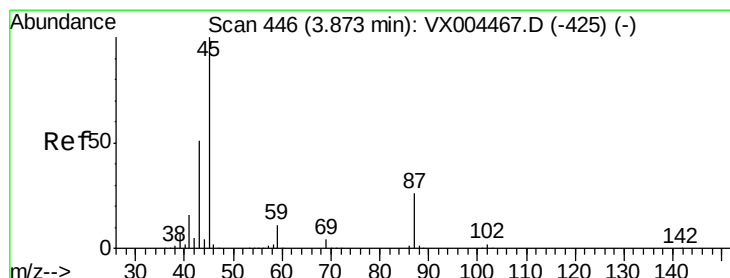
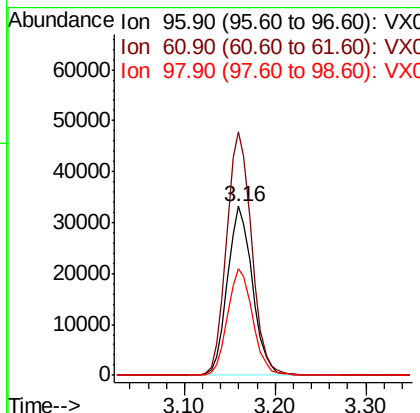
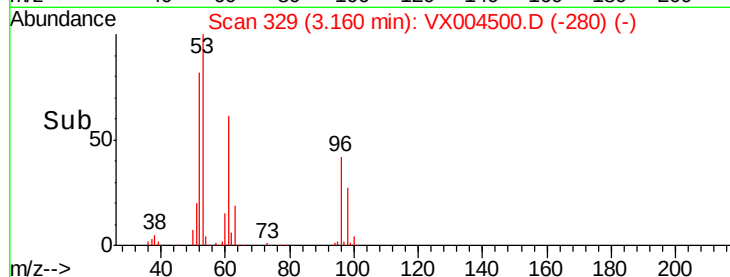
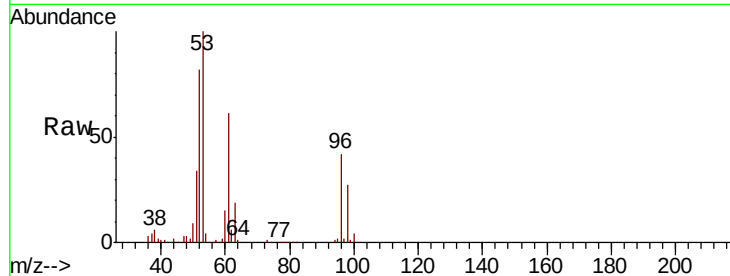
ClientSampleId :

VX0912MBSD02

Tot Ion:	96	Resp:	63714
Ion	Ratio	Lower	Upper
96	100		
61	144.1	113.8	170.6
98	63.0	51.8	77.8

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#22

Diisopropyl ether

Concen: 21.02 ug/l

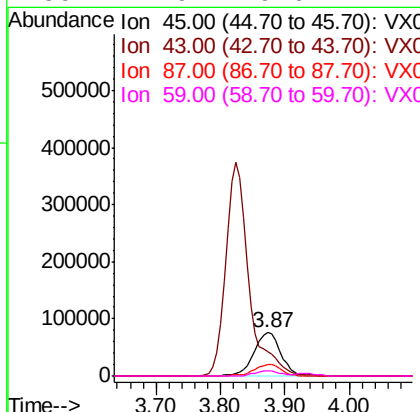
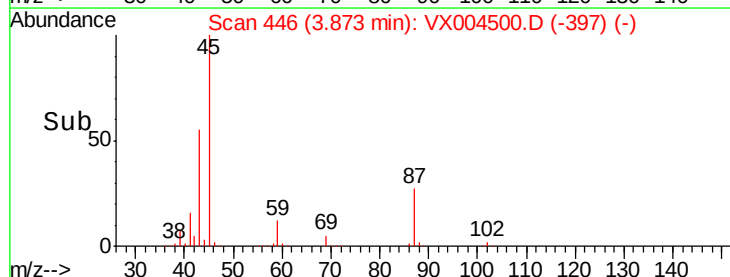
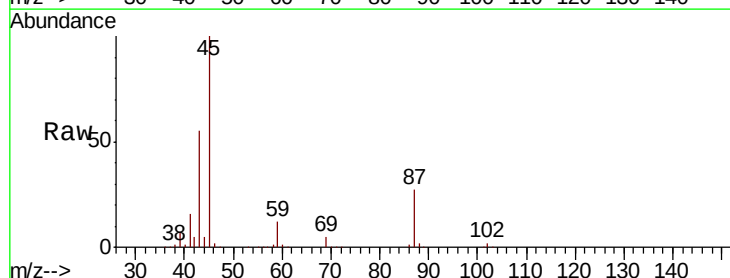
RT: 3.87 min Scan# 446

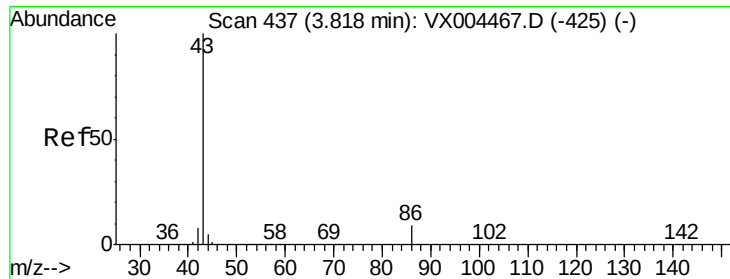
Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Tgt Ion:	45	Resp:	215398
Ion	Ratio	Lower	Upper
45	100		
43	55.2	42.8	64.2
87	27.3	22.6	34.0
59	11.9	9.6	14.4





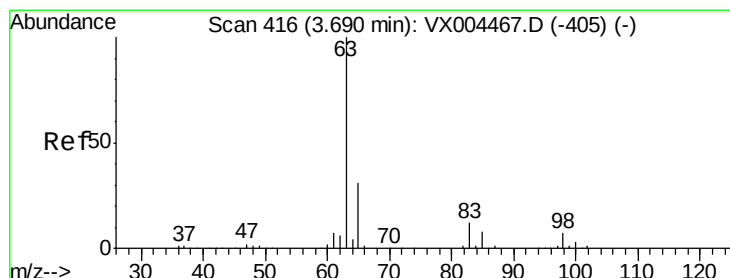
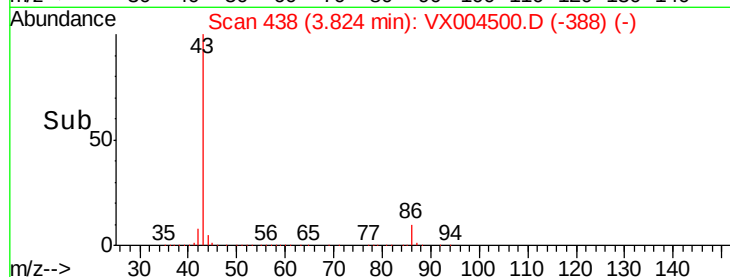
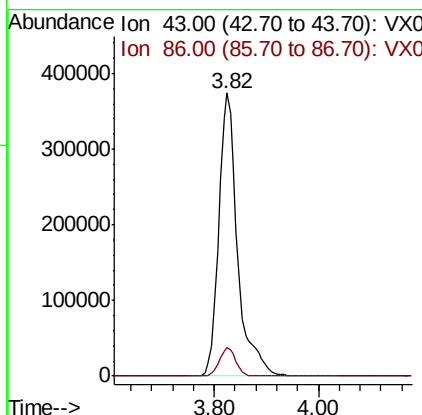
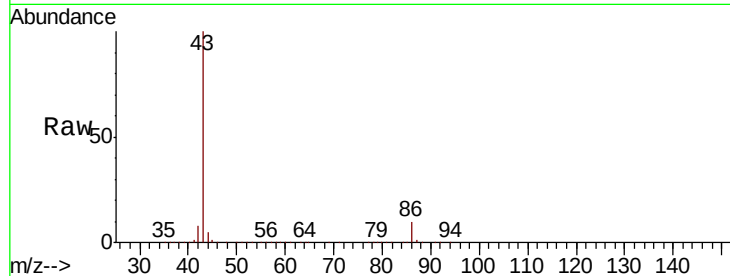
#23
 Vinyl Acetate
 Concen: 113.79 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.01 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.9	13.3

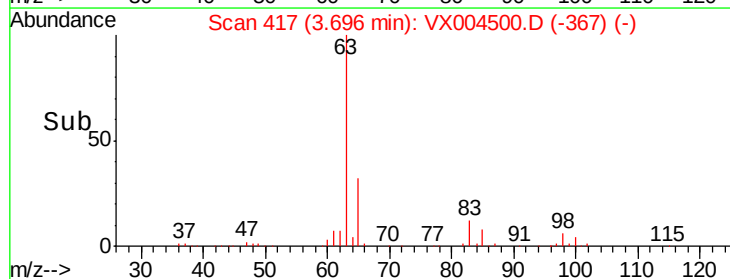
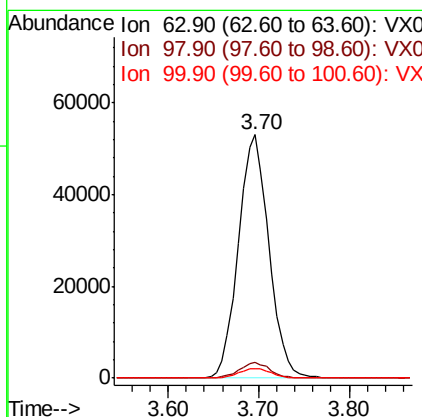
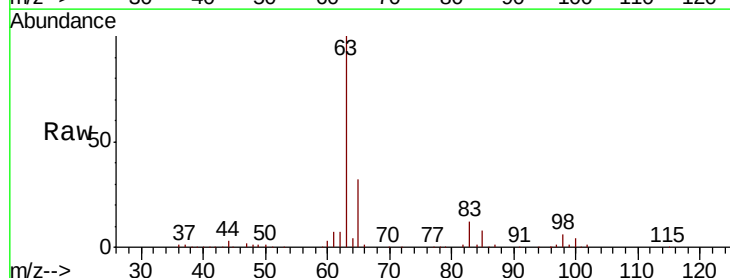
Manual Integrations
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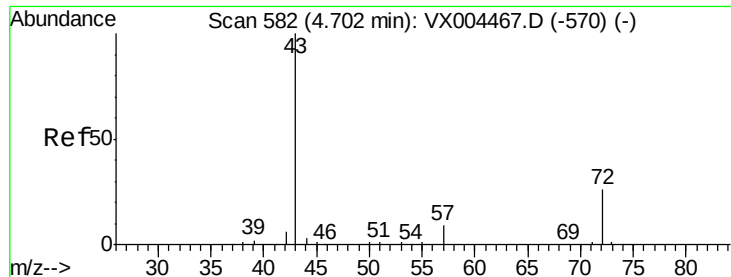
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 21.40 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.5	10.4
100	4.1	2.4	7.1





#25

2-Butanone

Concen: 97.24 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleID :

VX0912MBSD02

Tot Ion: 43 Resp: 258005

Ion Ratio Lower Upper

43 100

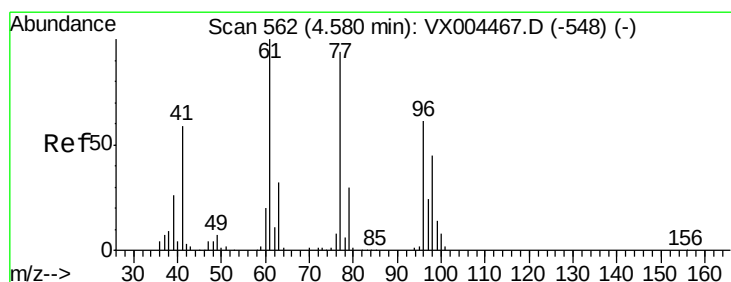
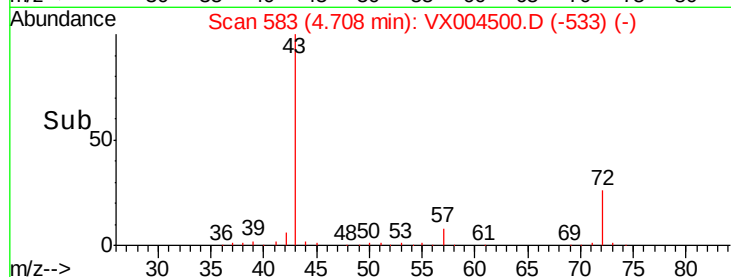
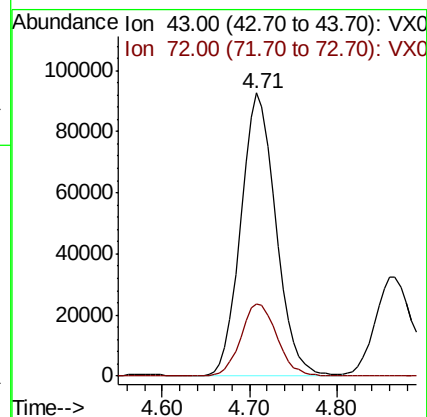
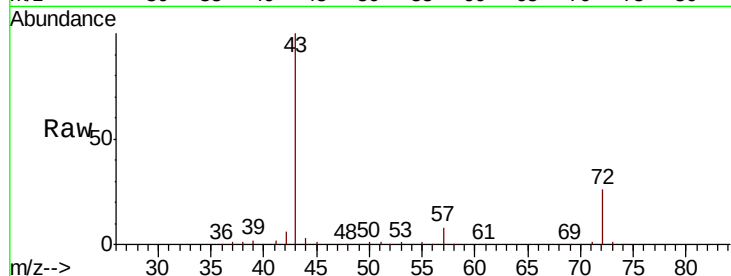
72 25.6 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.14 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004500.D

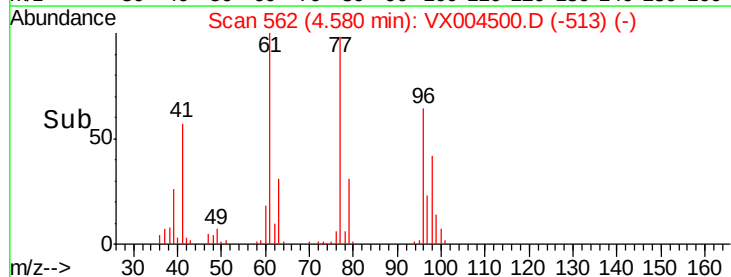
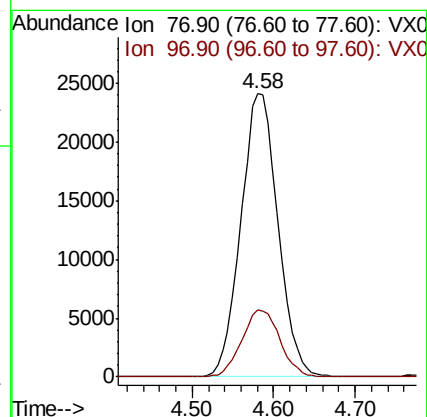
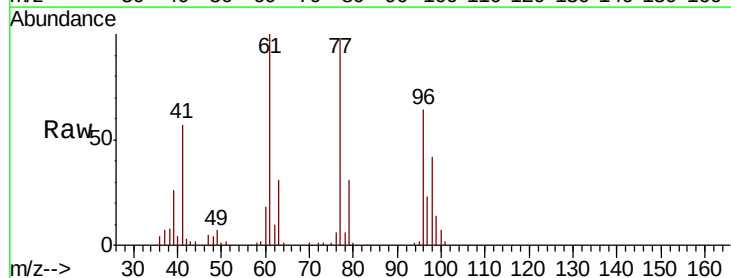
Acq: 12 Sep 2018 17:42

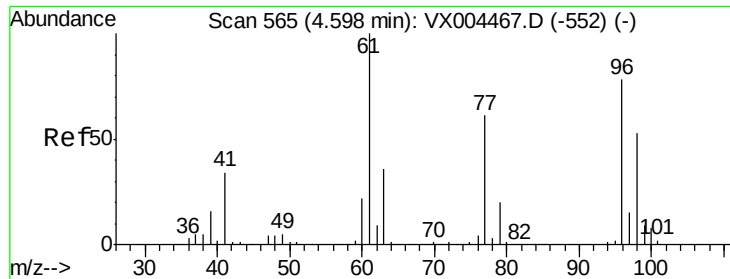
Tgt Ion: 77 Resp: 76048

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.0





#27

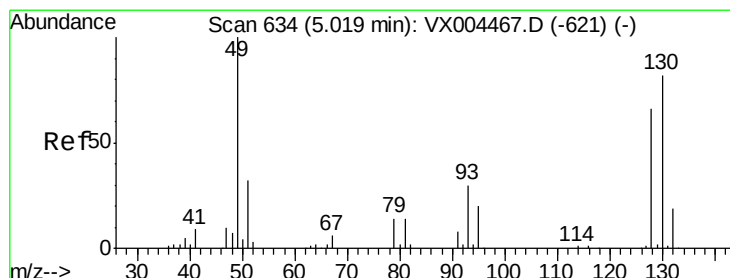
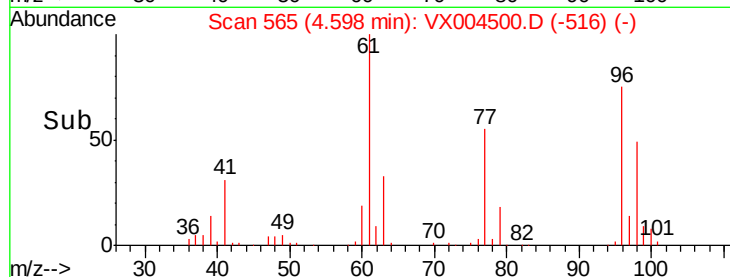
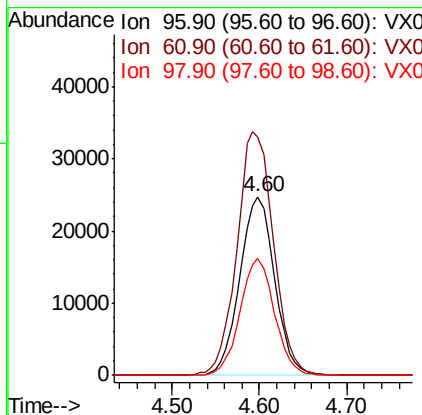
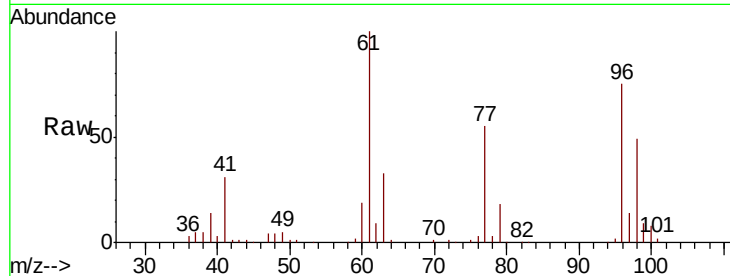
cis-1,2-Dichloroethene
Concen: 20.08 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	282.6
98	64.8	0.0	130.2

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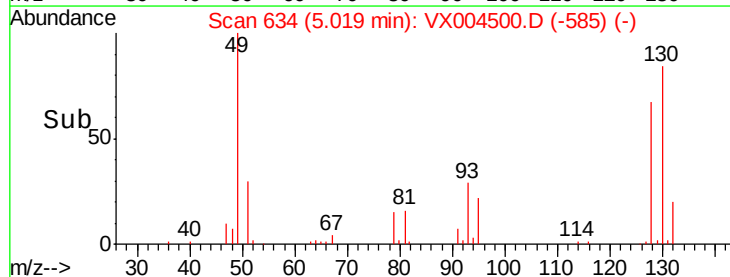
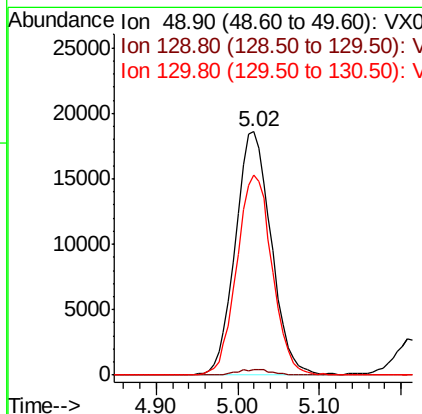
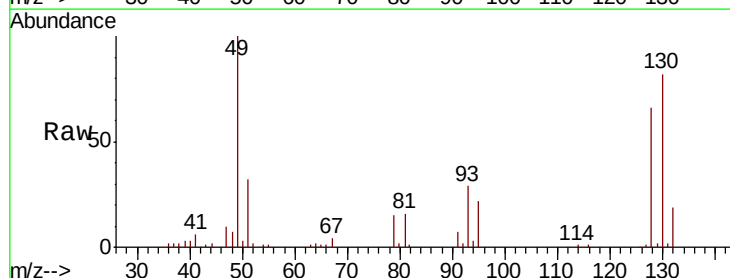
MMDadoda
9/13/2018 10:58:58 AM

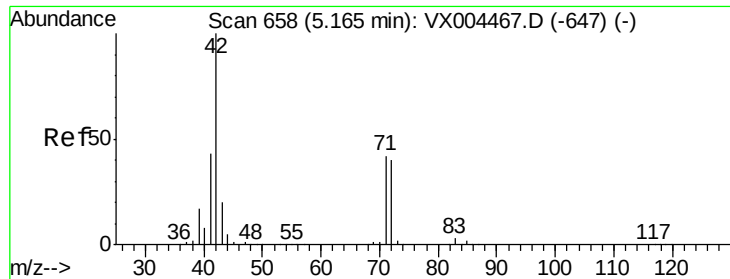


#28

Bromochloromethane
Concen: 21.41 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	81.0	67.5	101.3





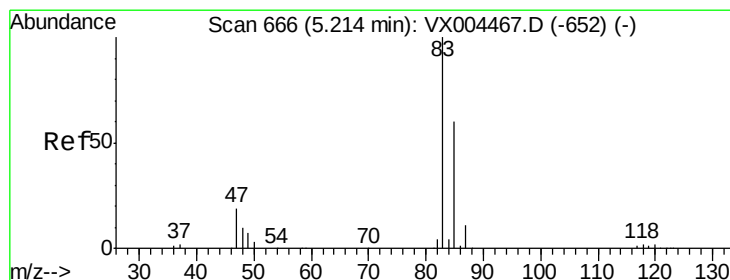
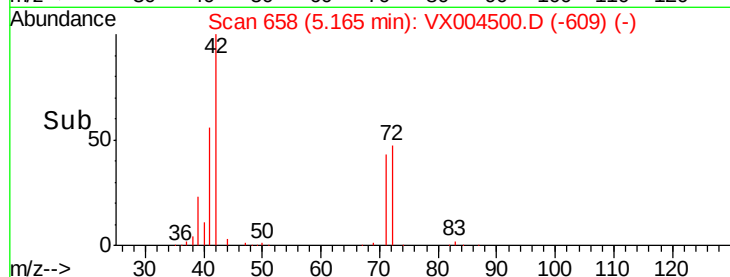
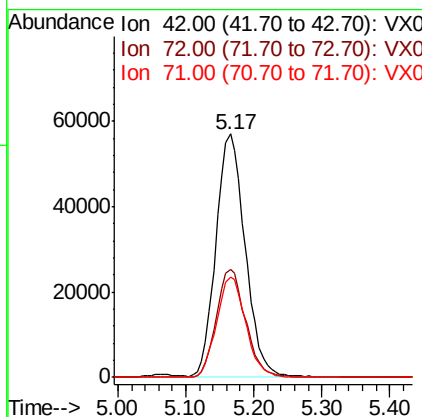
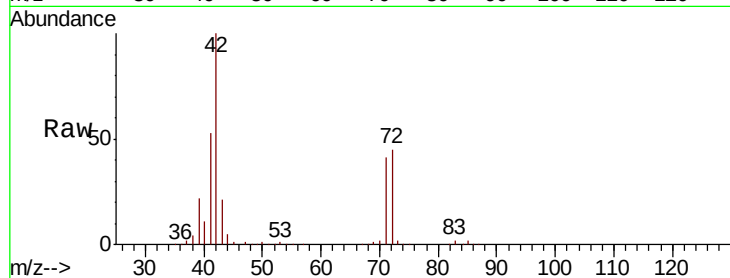
#29
Tetrahydrofuran
Concen: 106.20 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion:	42	Resp:	169922
Ion	Ratio	Lower	Upper
42	100		
72	44.6	37.4	56.0
71	41.2	34.5	51.7

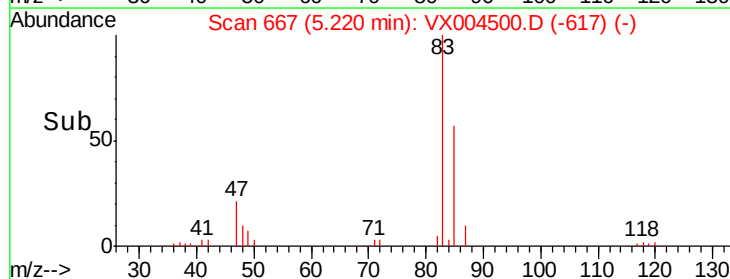
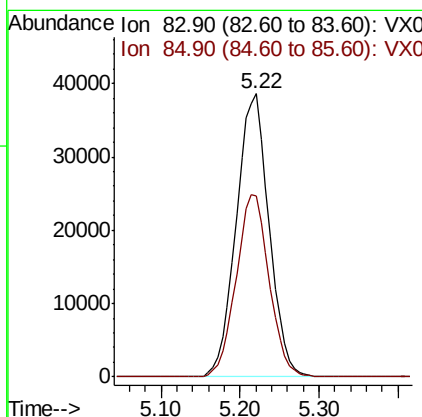
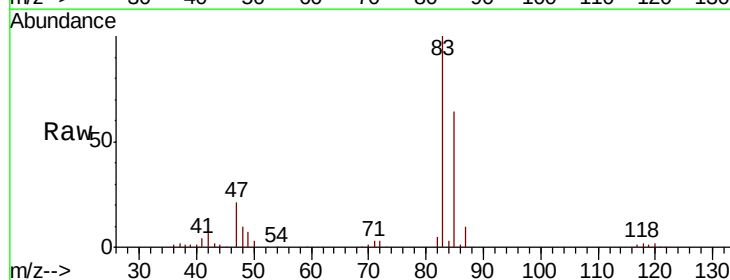
Manual Integrations
APPROVED

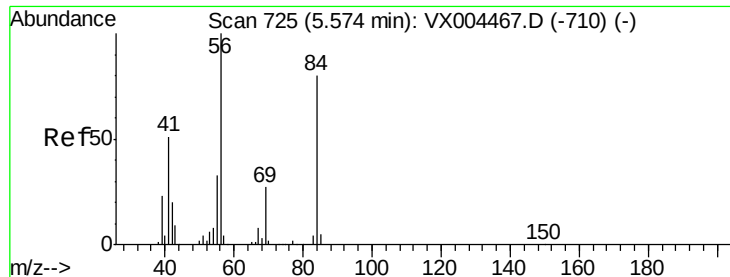
MMDadoda
9/13/2018 10:58:58 AM



#30
Chloroform
Concen: 19.75 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion:	83	Resp:	111589
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.6	79.0





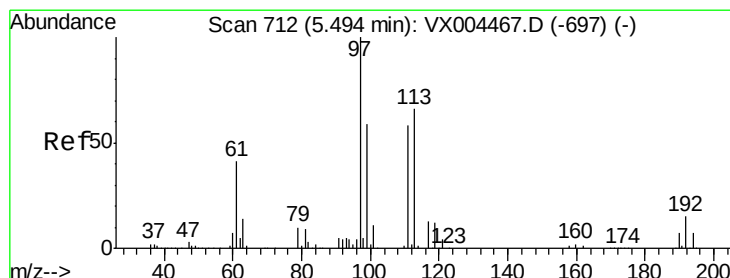
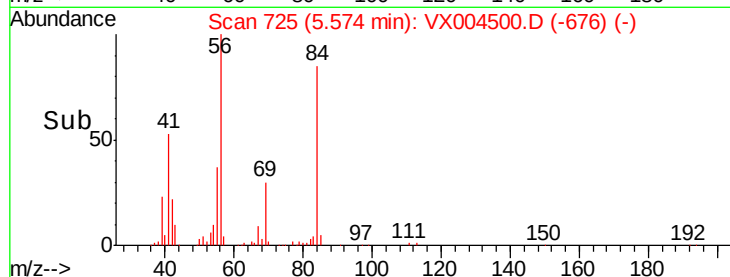
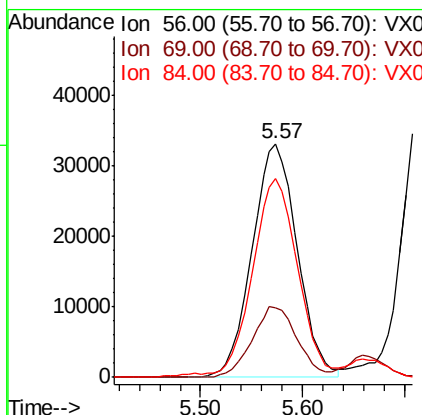
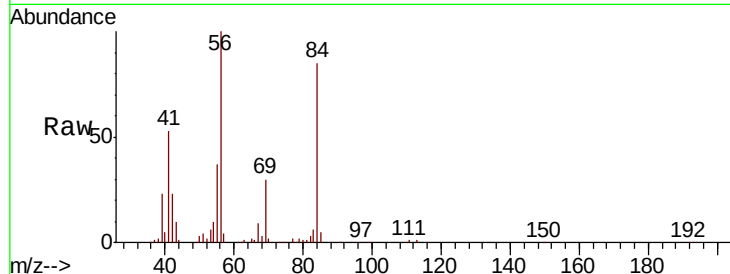
#31
Cyclohexane
Concen: 20.58 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.4	38.2
84	83.3	71.4	107.2

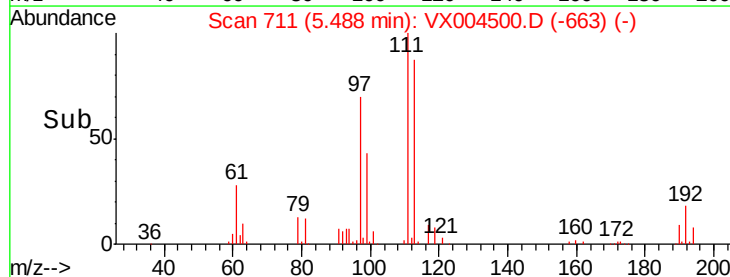
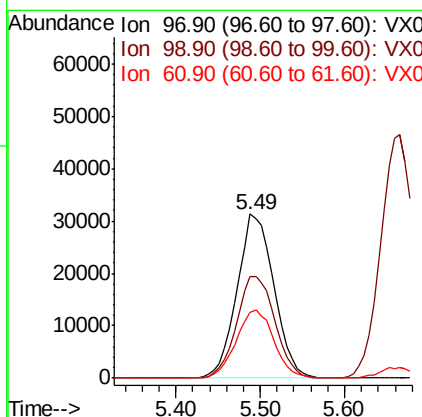
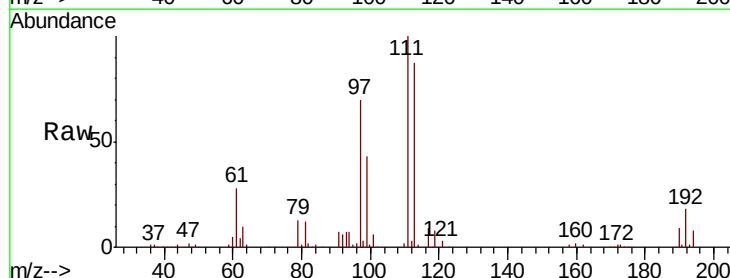
Manual Integrations
APPROVED

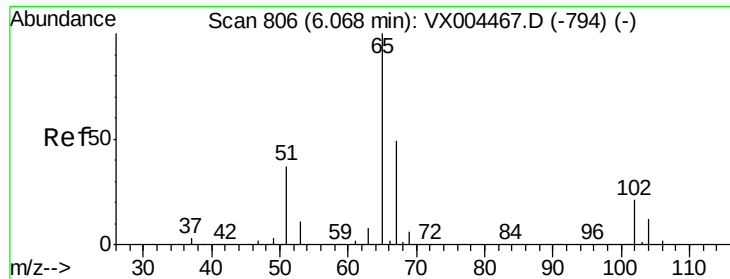
MMDadoda
9/13/2018 10:58:58 AM



#32
1,1,1-Trichloroethane
Concen: 20.41 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	42.5	34.9	52.3





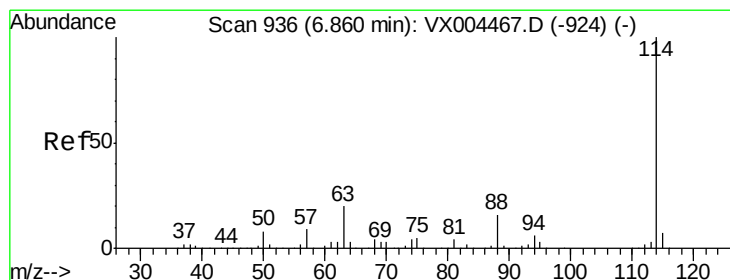
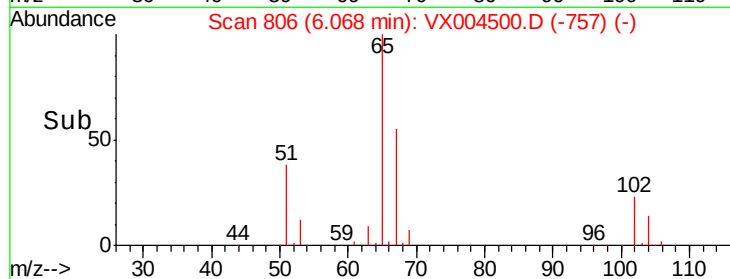
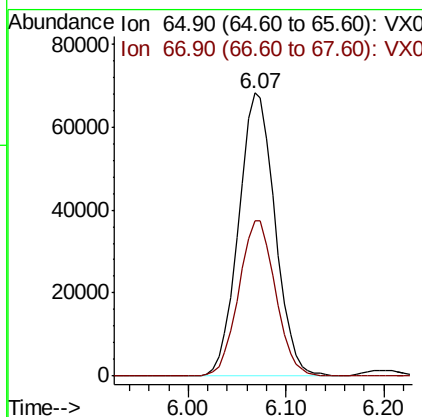
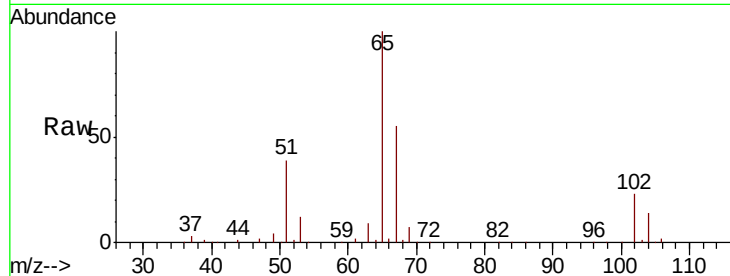
#33
 1,2-Dichloroethane-d4
 Concen: 51.54 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176029		
67	55.6	0.0	106.8	

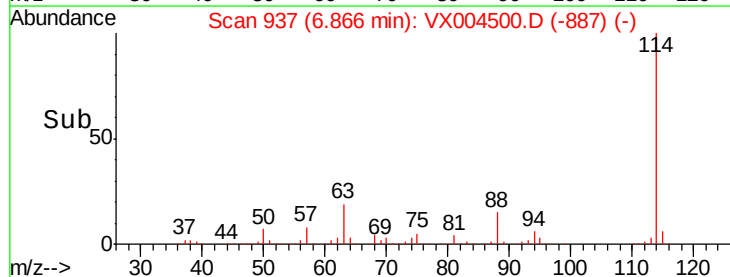
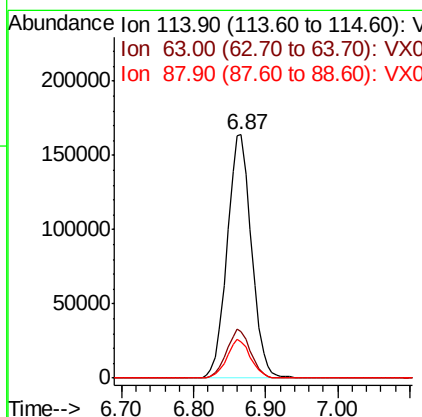
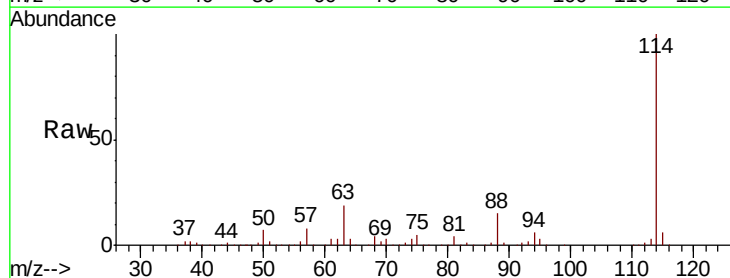
Manual Integrations
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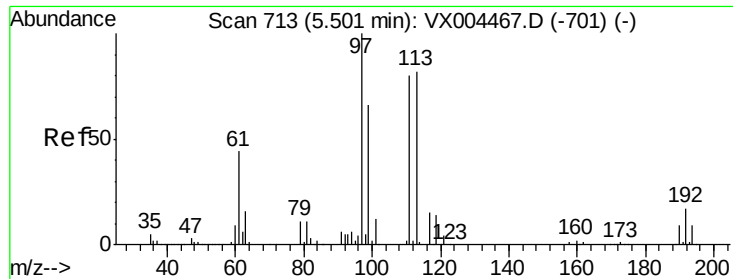
MMDadoda
 9/13/2018 10:58:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	386553		
63	19.0	0.0	39.0	
88	15.0	0.0	30.4	





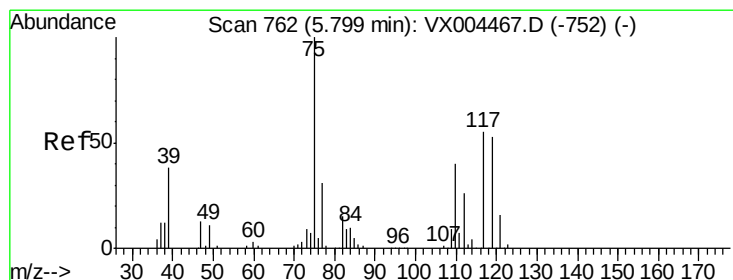
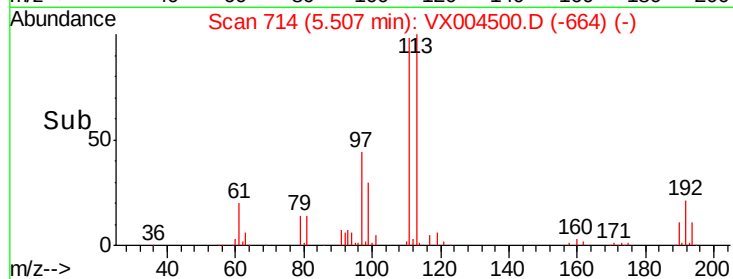
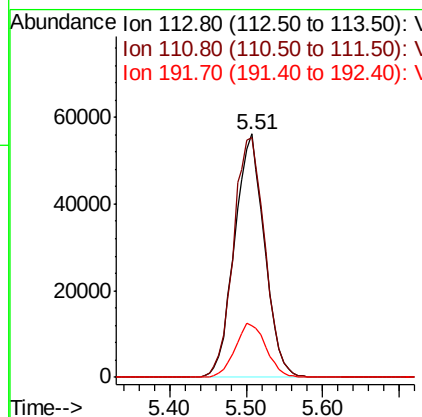
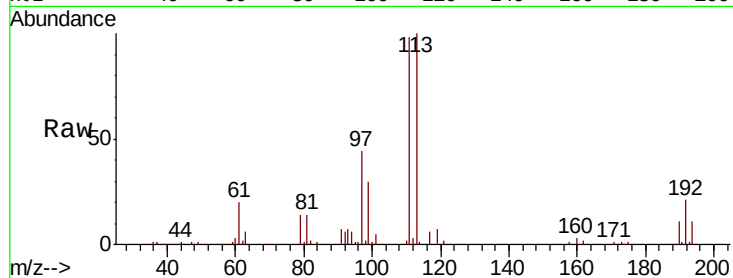
#35
 Dibromofluoromethane
 Concen: 43.11 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152487		
111	103.2	82.4	123.6	
192	22.9	19.4	29.2	

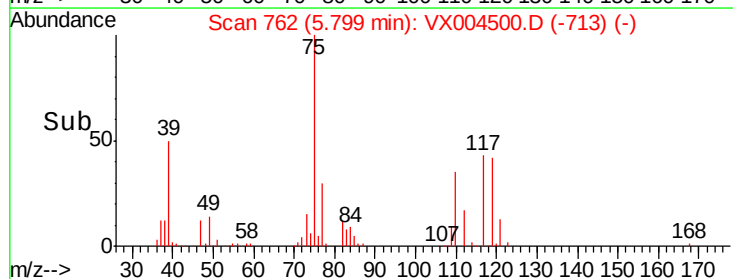
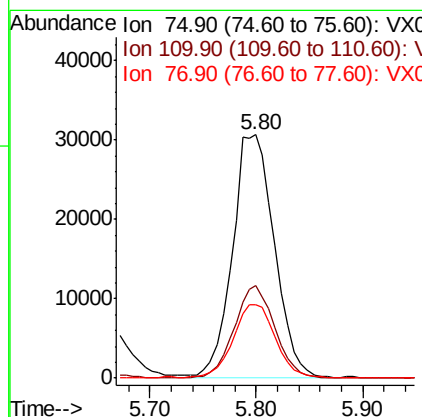
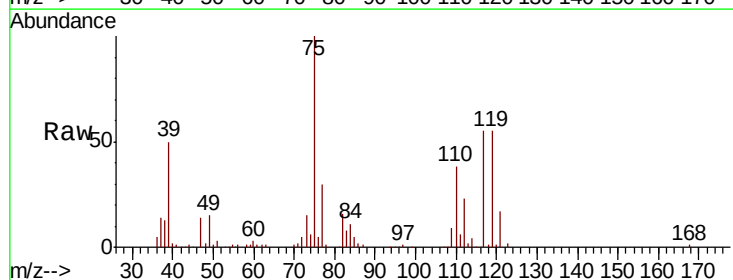
Manual Integrations
 APPROVED

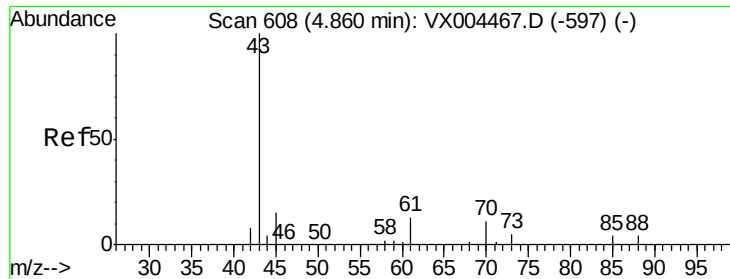
MMDadoda
 9/13/2018 10:58:58 AM



#36
 1,1-Dichloropropene
 Concen: 17.90 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84005		
110	37.0	18.0	54.0	
77	30.9	24.6	36.8	





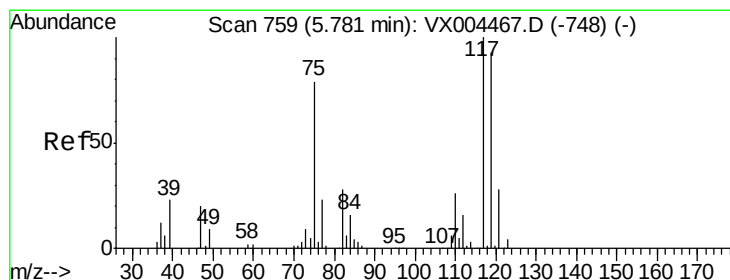
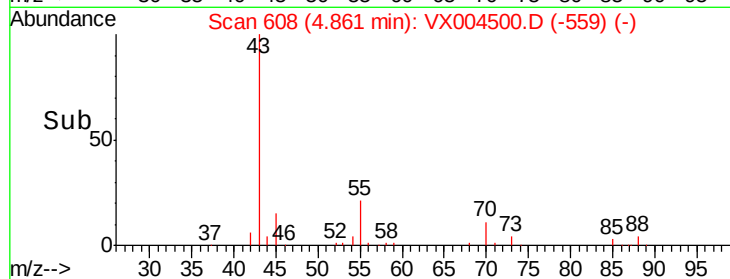
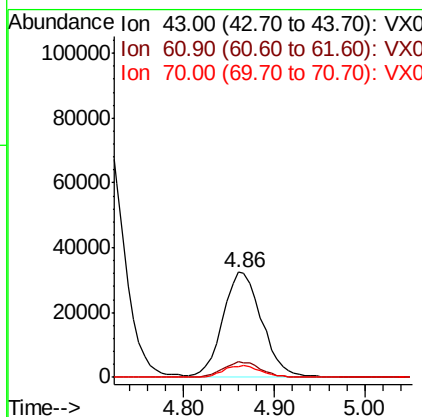
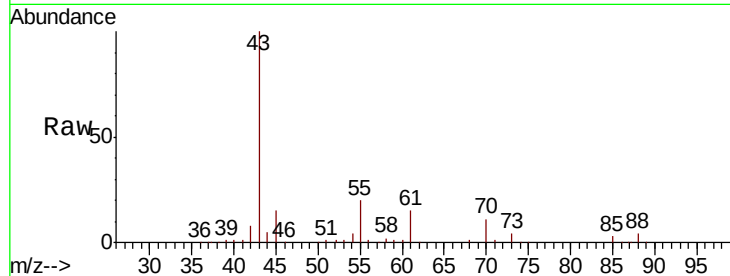
#37
Ethyl Acetate
Concen: 17.89 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	11.1	9.0	13.6

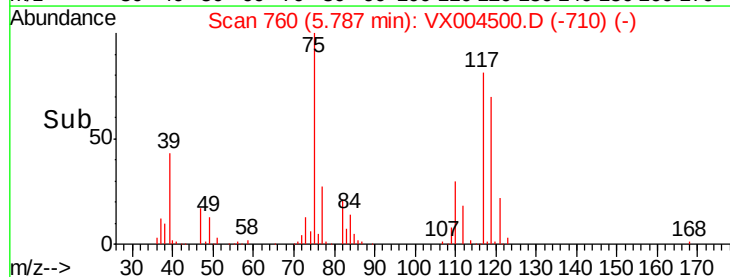
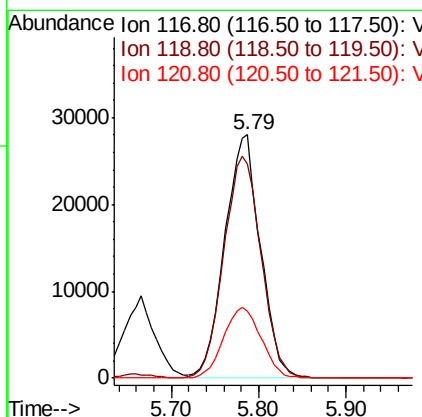
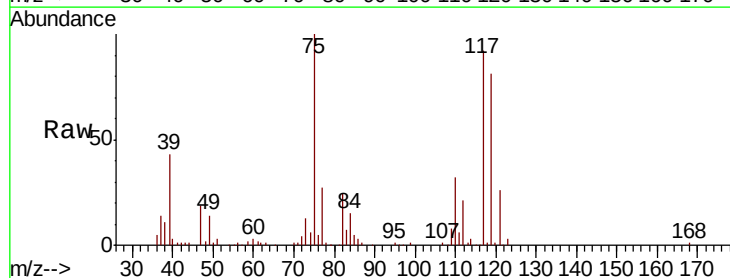
Manual Integrations
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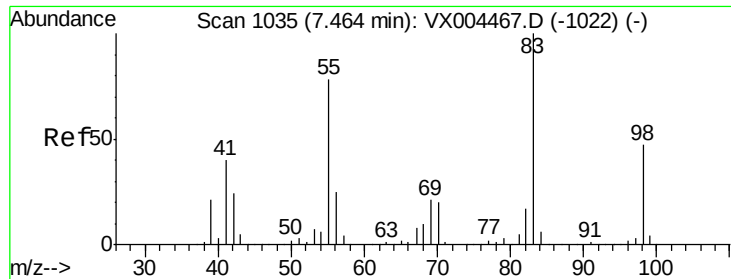
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#38
Carbon Tetrachloride
Concen: 17.33 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.9	78.8	118.2
121	27.6	24.9	37.3





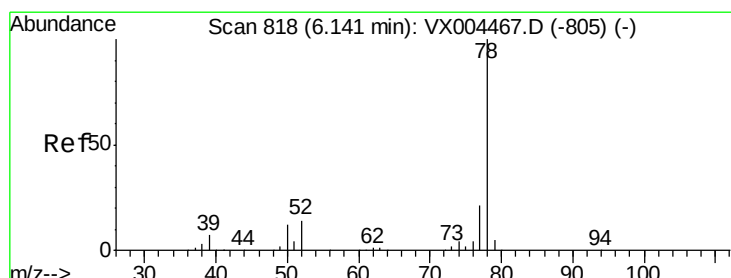
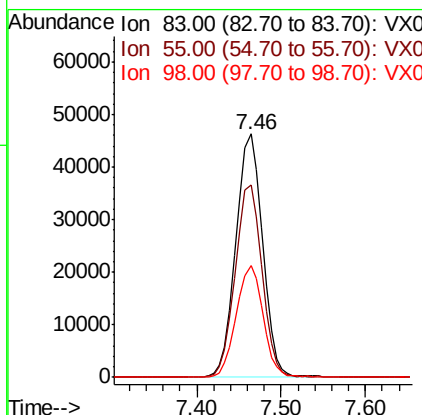
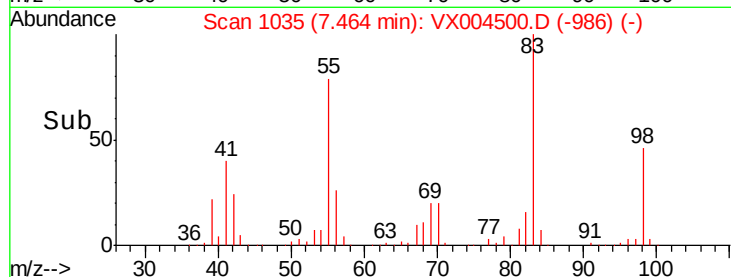
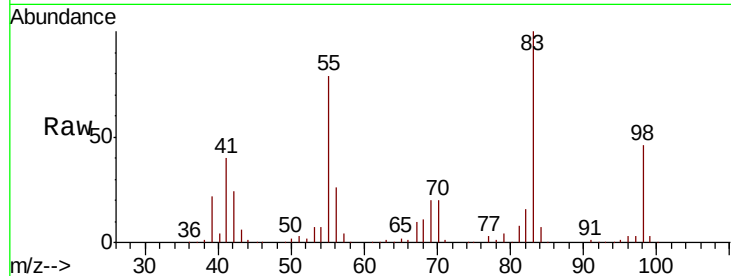
#39
Methylvlcyclohexane
Concen: 20.28 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.8	61.0	91.4	
98	45.7	39.6	59.4	

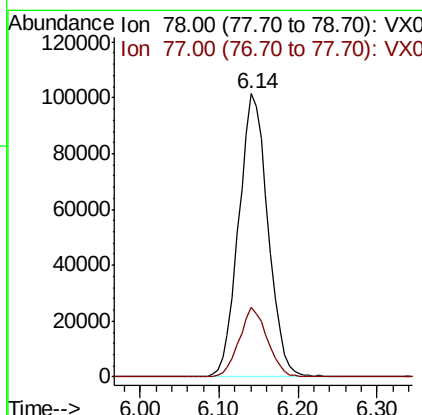
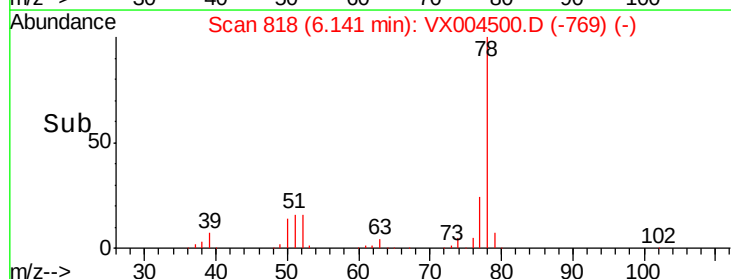
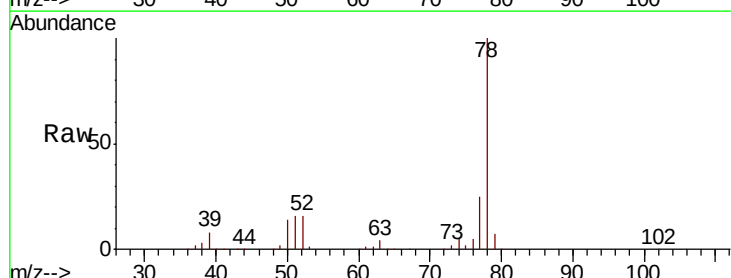
Manual Integrations
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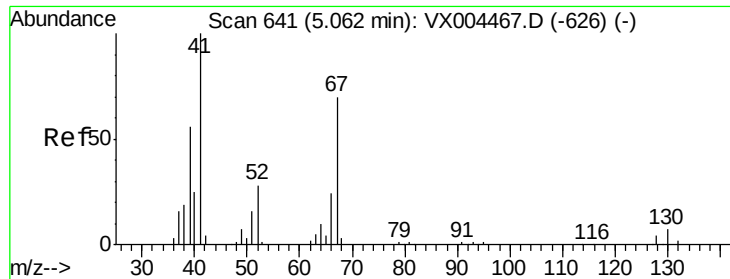
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#40
Benzene
Concen: 18.77 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.8	19.0	28.4	





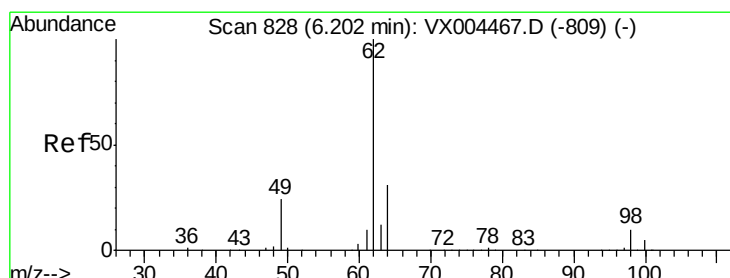
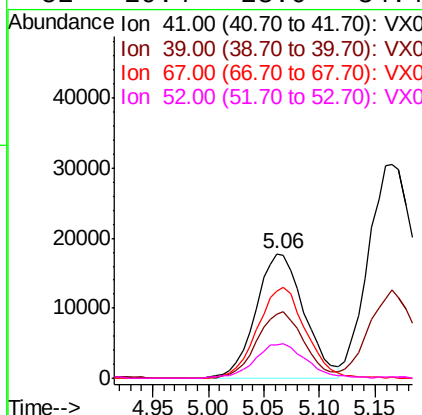
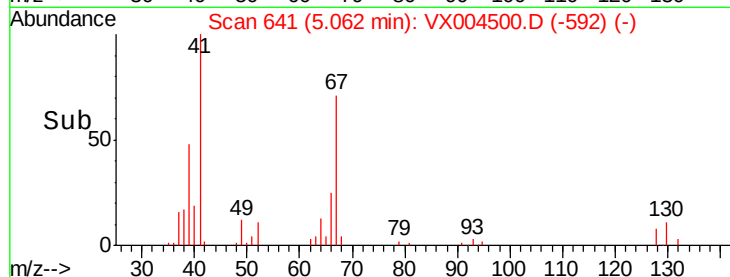
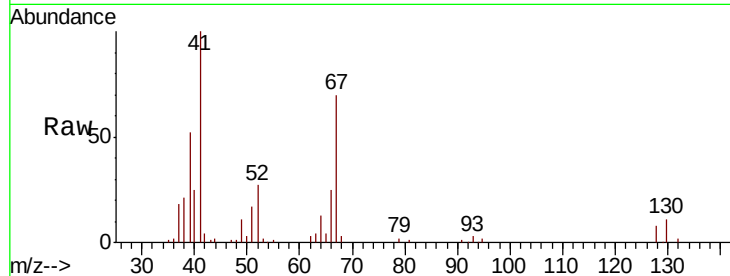
#41
Methacrylonitrile
Concen: 18.20 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.4	63.6	
67	73.2	59.2	88.8	
52	29.4	23.0	34.4	

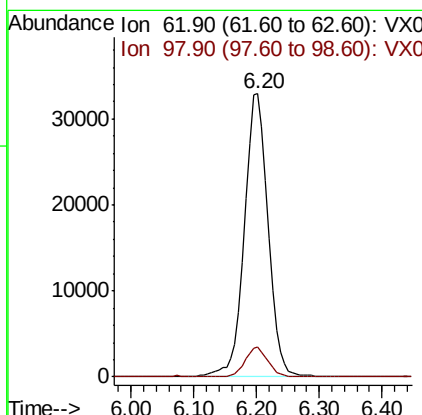
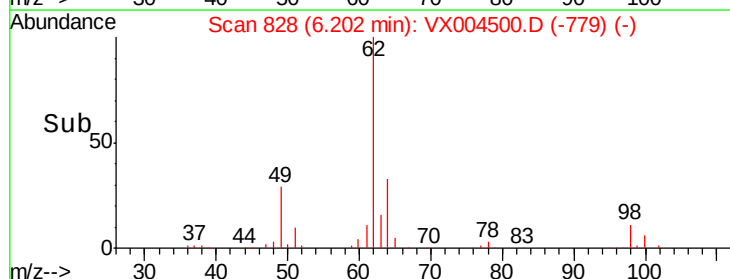
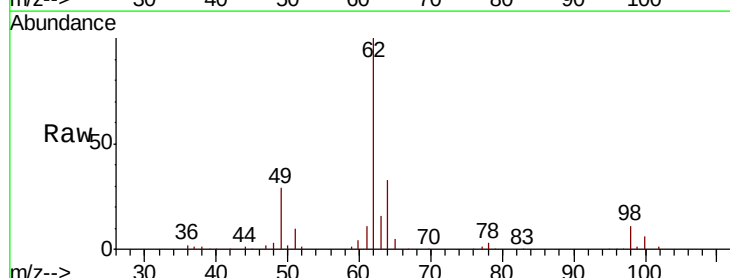
Manual Integrations
APPROVED

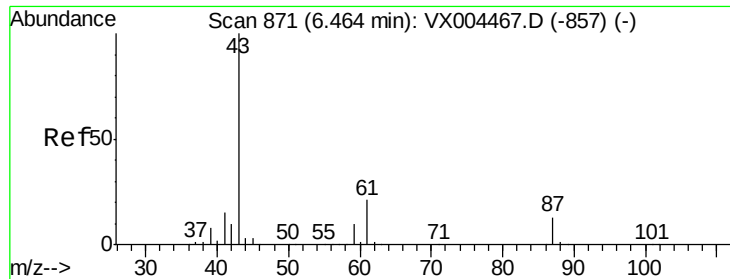
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.69 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

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





#43

Isopropyl Acetate

Concen: 20.07 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

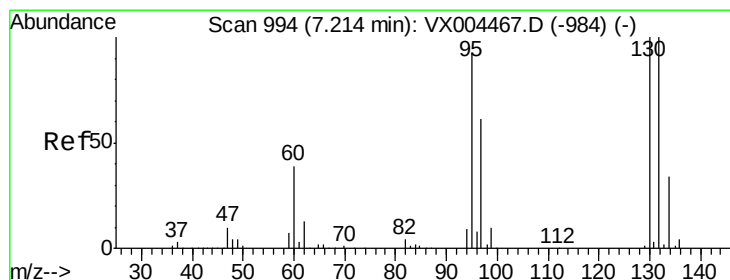
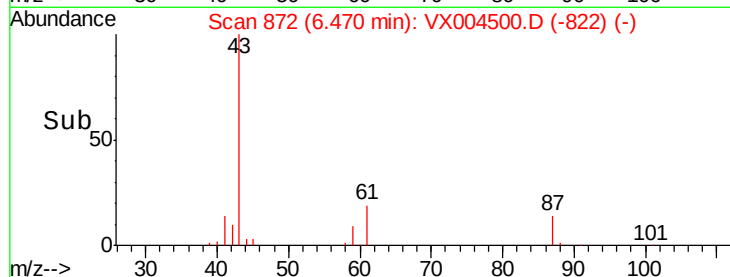
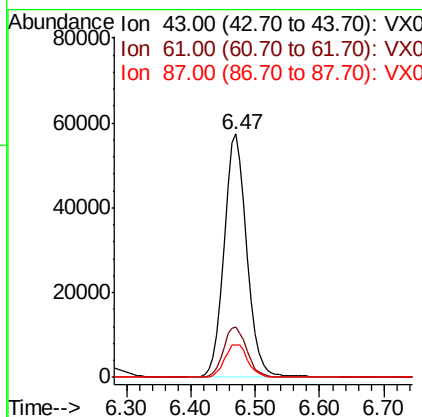
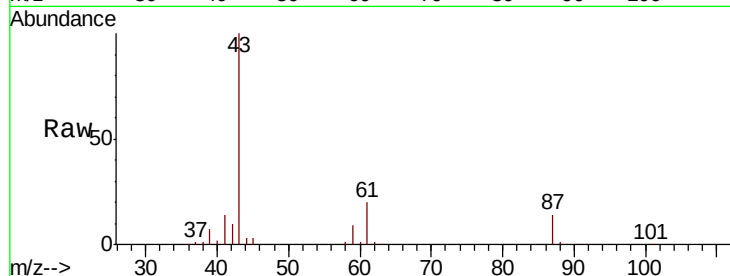
ClientSampleId :

VX0912MBSD02

Tot Ion:	43	Resp:	142273
Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.0	25.4
87	13.9	11.4	17.2

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



#44

Trichloroethene

Concen: 20.40 ug/l

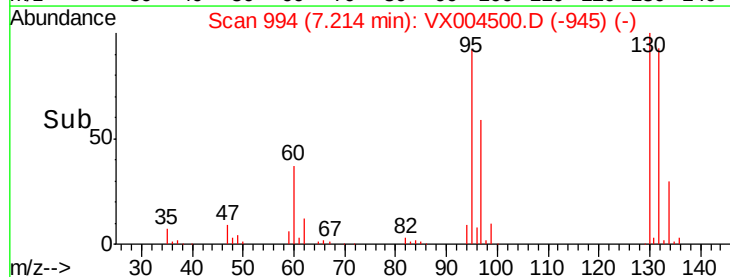
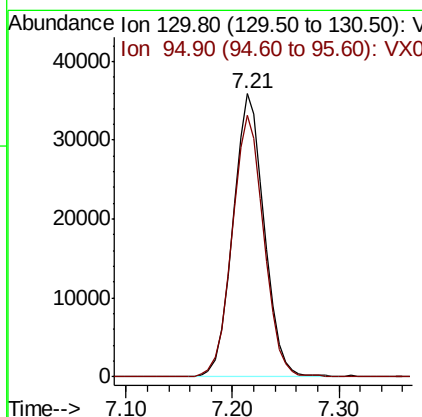
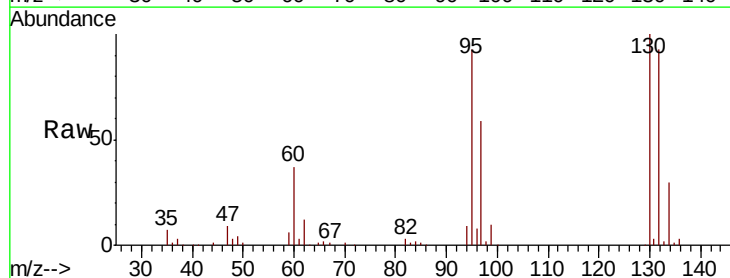
RT: 7.21 min Scan# 994

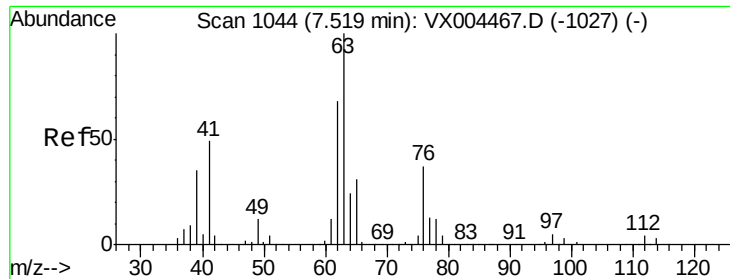
Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Tgt Ion:	130	Resp:	73782
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	181.6





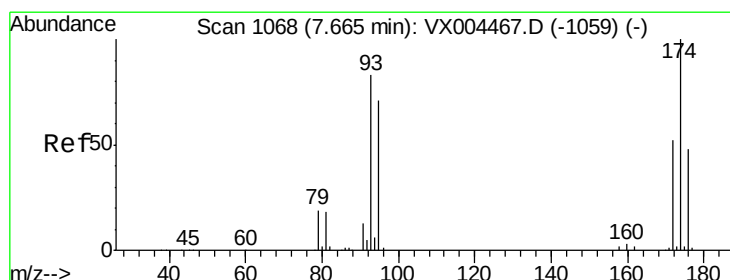
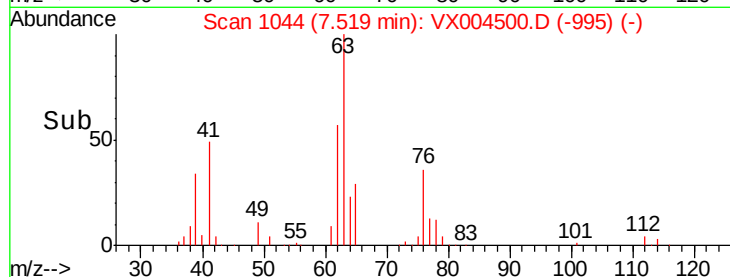
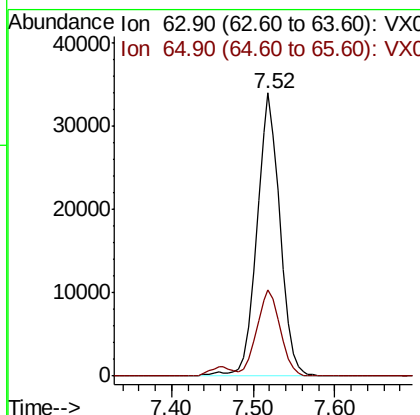
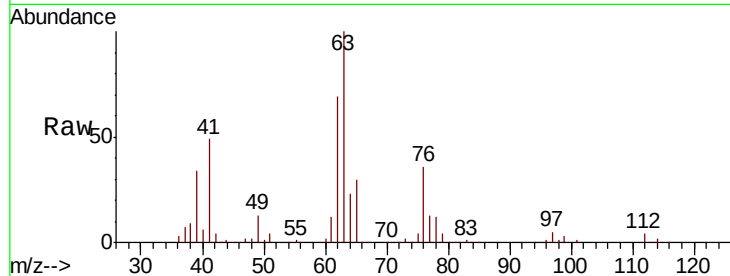
#45
 1,2-Dichloropropane
 Concen: 20.15 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampled :
 VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.3	36.5

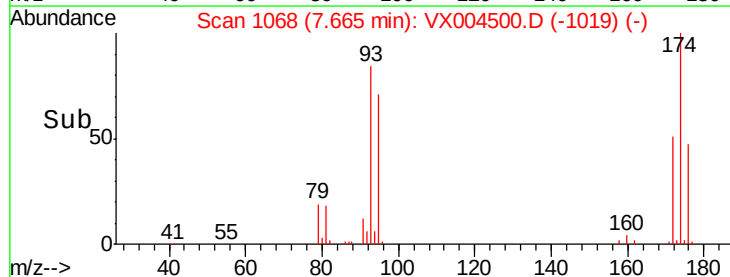
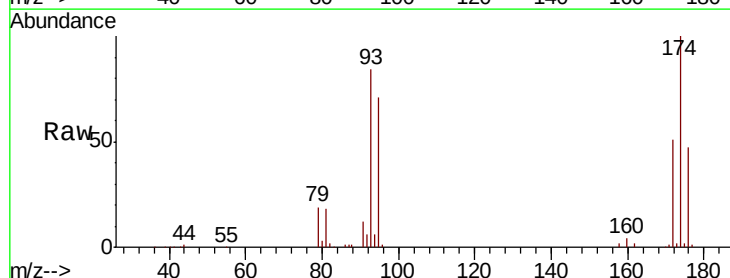
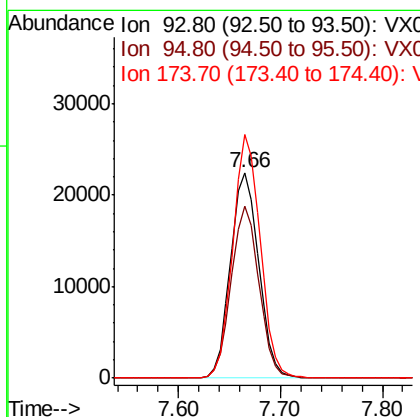
Manual Integrations
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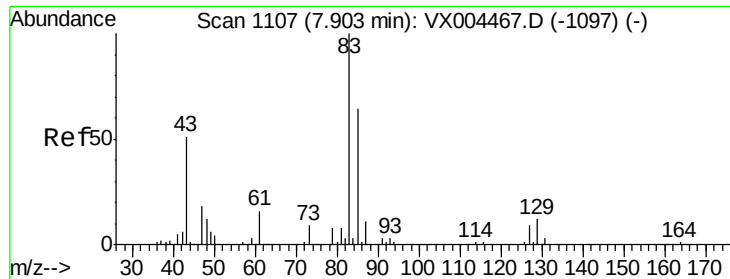
MMDadoda
 9/13/2018 10:58:58 AM



#46
 Dibromomethane
 Concen: 20.33 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.5	98.3
174	115.0	94.2	141.4





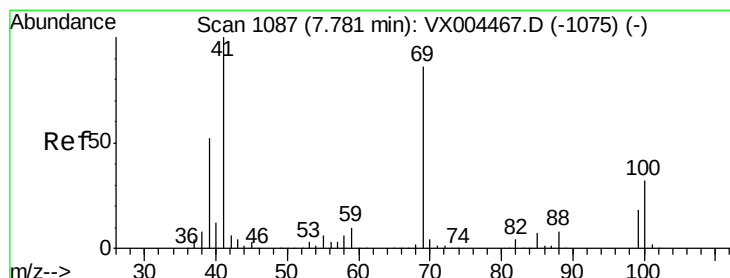
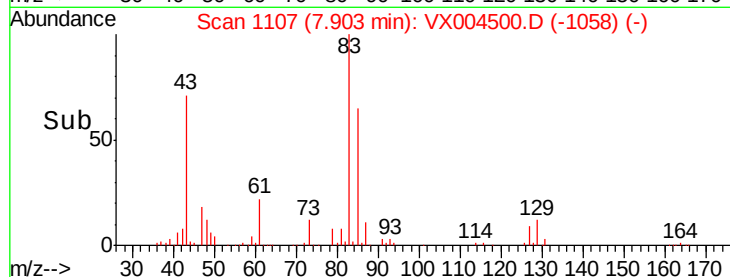
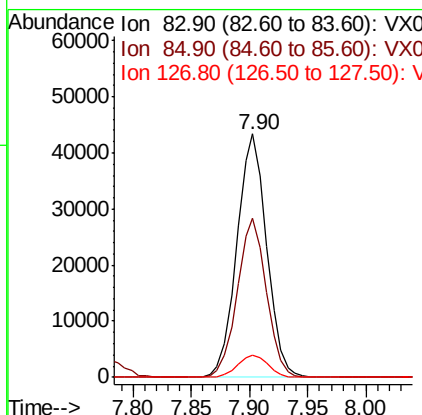
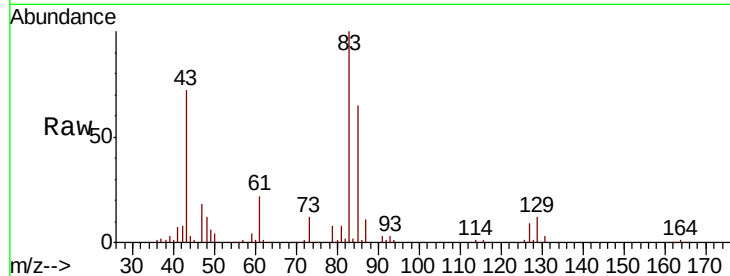
#47
Bromodichloromethane
Concen: 19.30 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion	83	Resp	77275
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	50.9	76.3
127	9.2	7.3	10.9

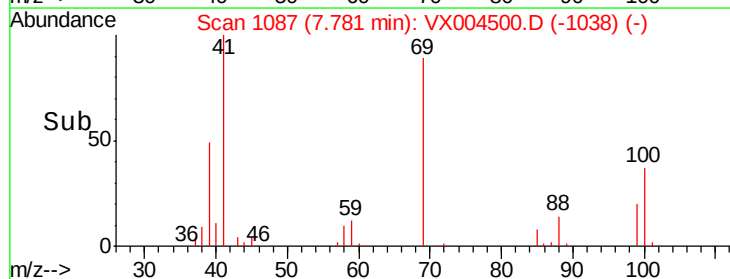
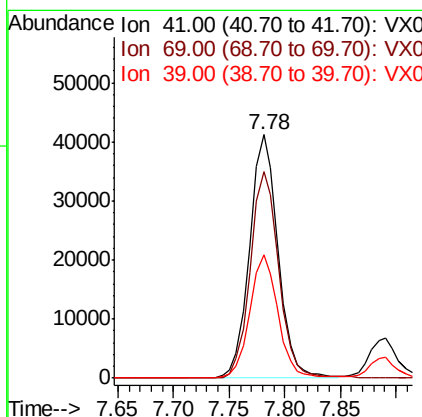
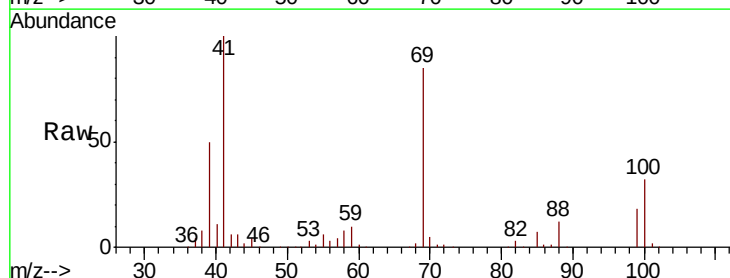
Manual Integrations
APPROVED

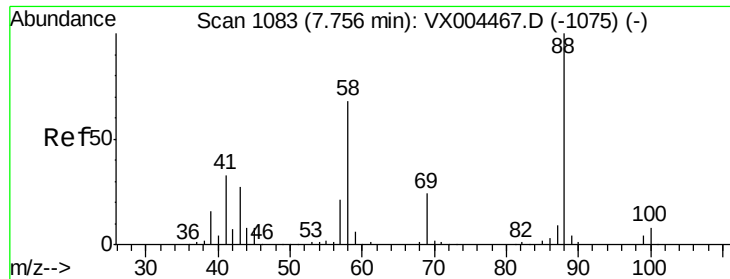
MMDadoda
9/13/2018 10:58:58 AM



#48
Methyl methacrylate
Concen: 20.78 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	41	Resp	72918
Ion Ratio	100	Lower	Upper
41	100		
69	86.1	70.2	105.4
39	50.8	42.7	64.1





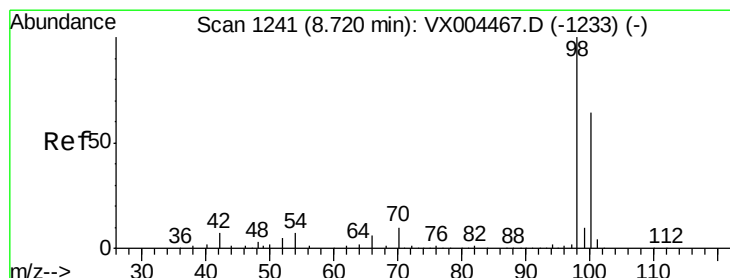
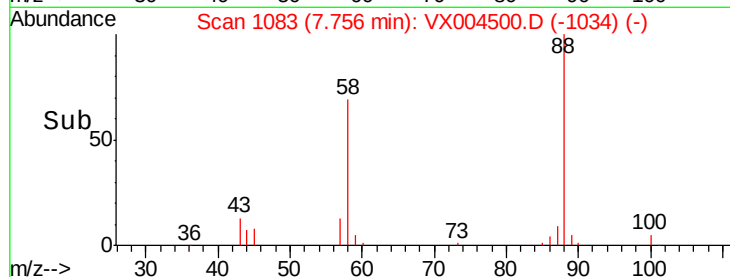
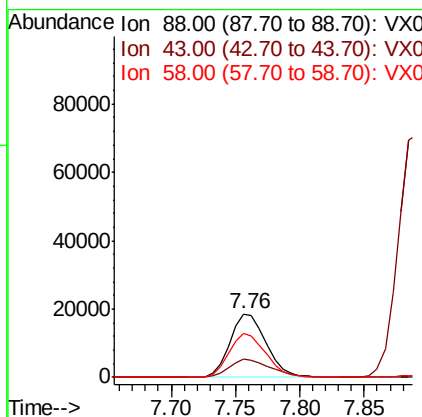
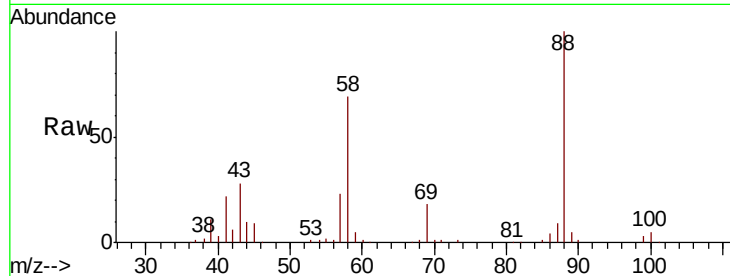
#49
1,4-Dioxane
Concen: 437.41 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	24.7	37.1
58	71.0	55.3	82.9

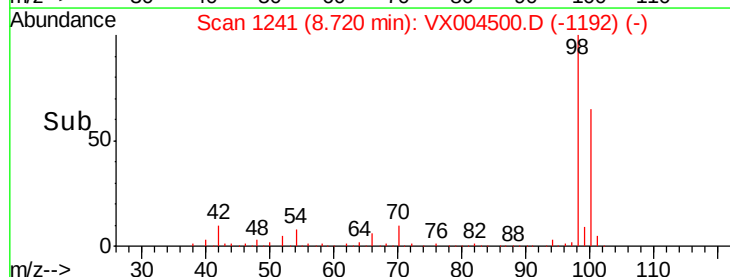
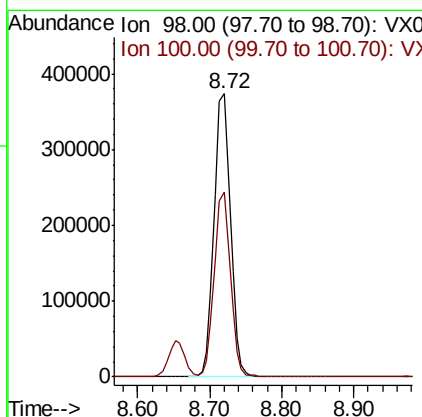
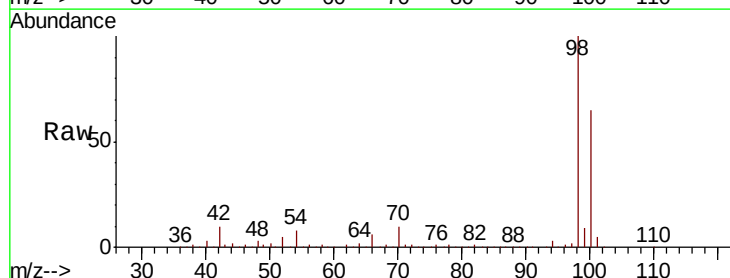
Manual Integrations
APPROVED

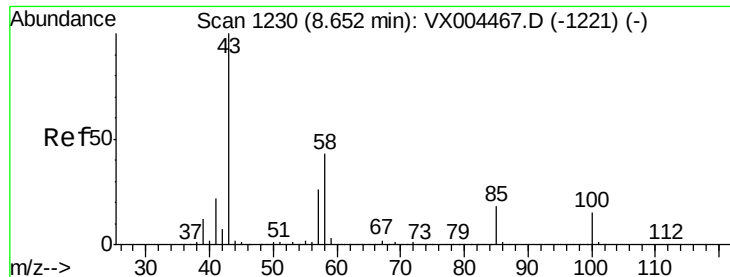
MMDadoda
9/13/2018 10:58:58 AM



#50
Toluene-d8
Concen: 50.14 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.9	79.3





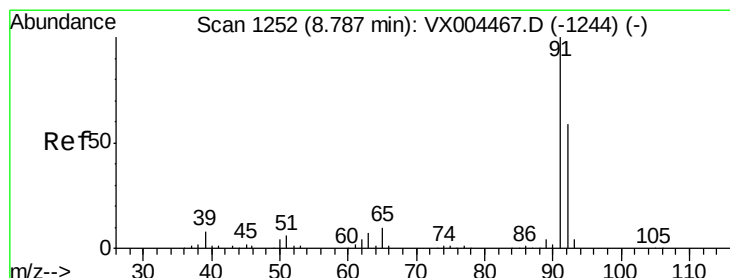
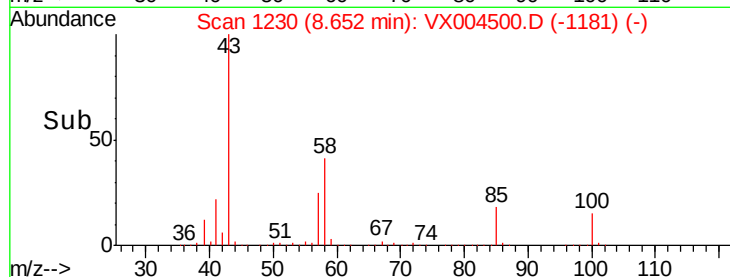
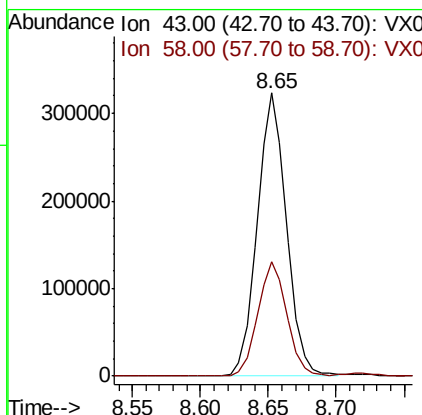
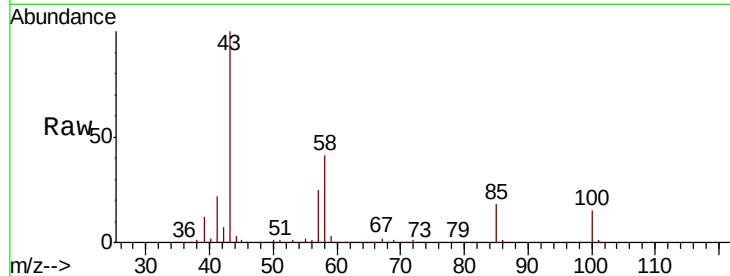
#51
4-Methyl-2-Pentanone
Concen: 97.24 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	40.4		33.1	49.7	

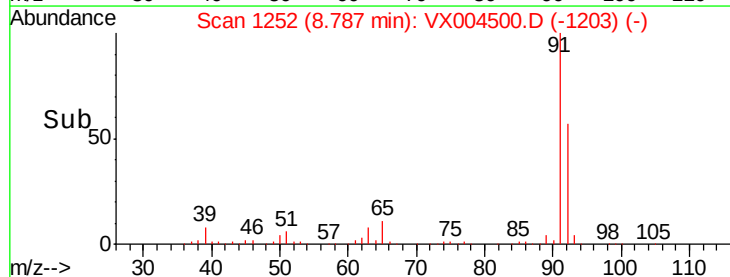
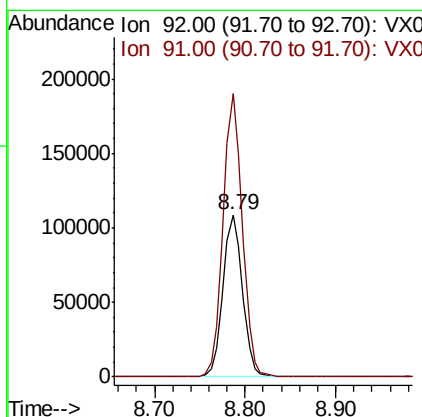
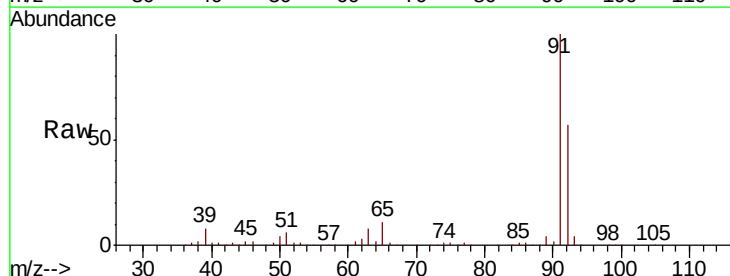
Manual Integrations
APPROVED

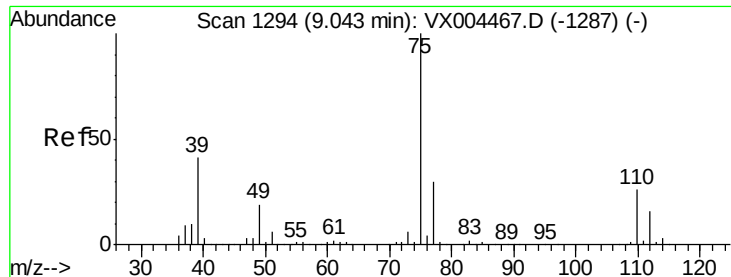
MMDadoda
9/13/2018 10:58:58 AM



#52
Toluene
Concen: 19.85 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	173.5		136.4	204.6	





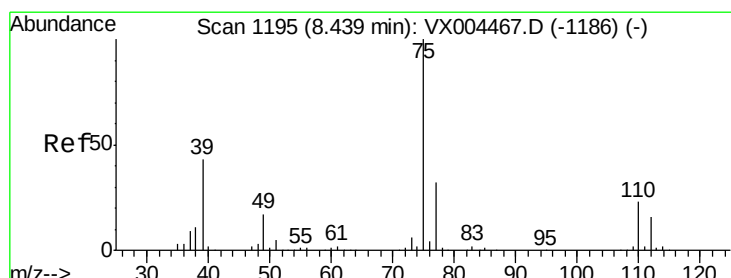
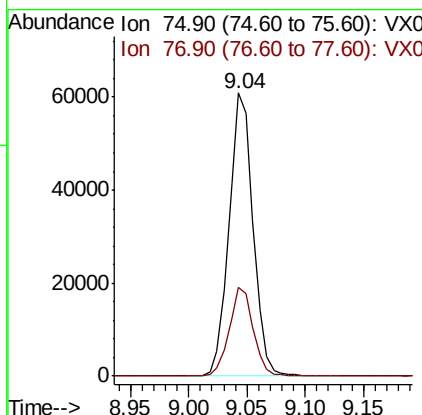
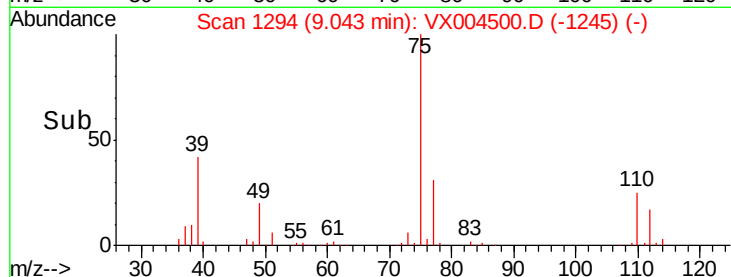
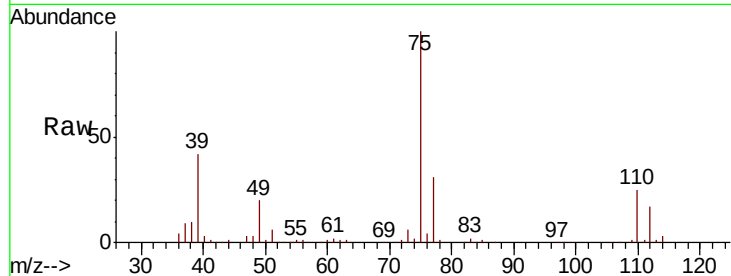
#53
t-1,3-Dichloropropene
Concen: 18.68 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion: 75 Resp: 87362
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0

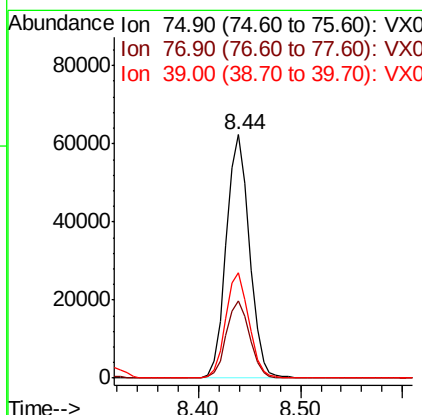
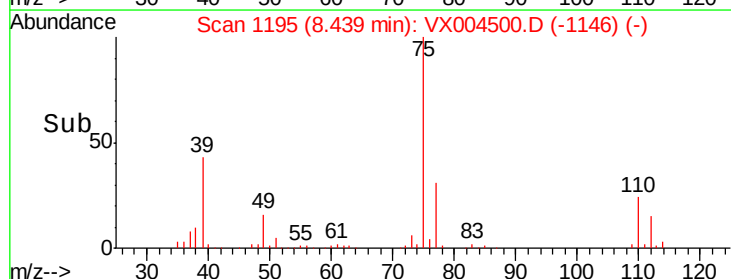
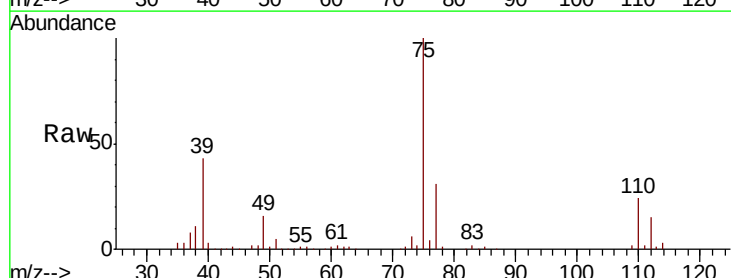
Manual Integrations
APPROVED

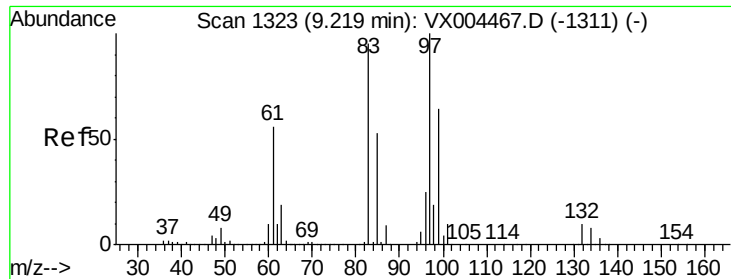
MMDadoda
9/13/2018 10:58:58 AM



#54
cis-1,3-Dichloropropene
Concen: 20.57 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion: 75 Resp: 98048
Ion Ratio Lower Upper
75 100
77 31.5 26.2 39.2
39 43.1 36.4 54.6





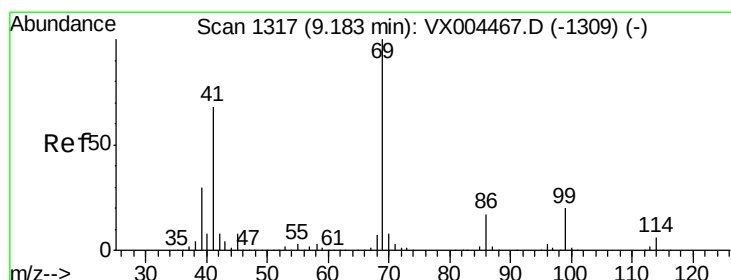
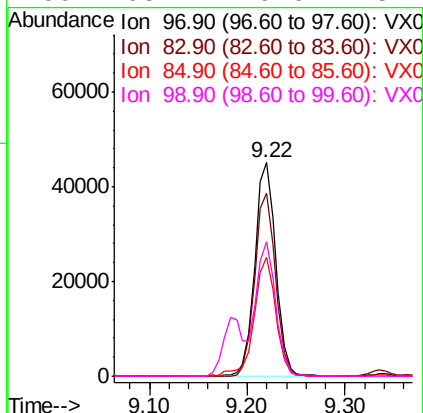
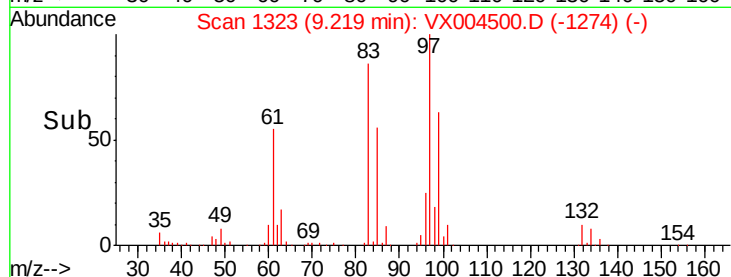
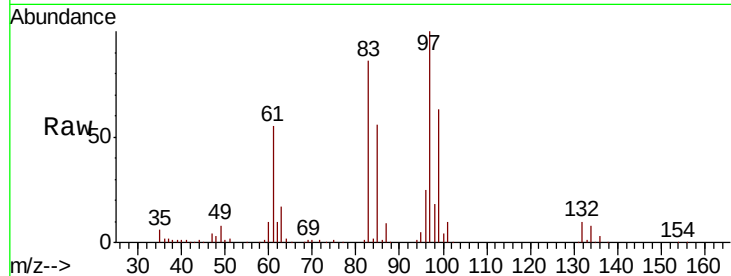
#55
1,1,2-Trichloroethane
Concen: 18.92 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion:	97	Resp:	66845
Ion	Ratio	Lower	Upper
97	100		
83	85.8	66.4	99.6
85	55.7	43.3	64.9
99	63.2	49.0	73.4

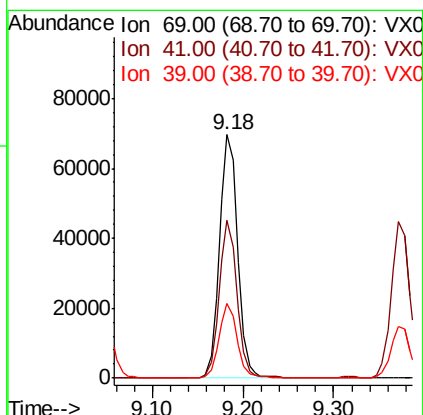
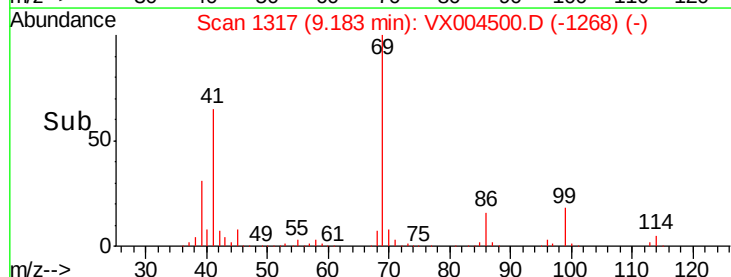
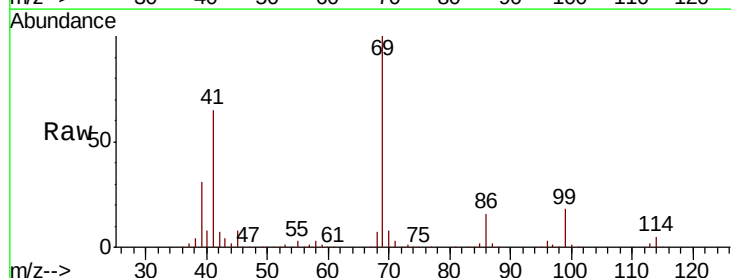
Manual Integrations
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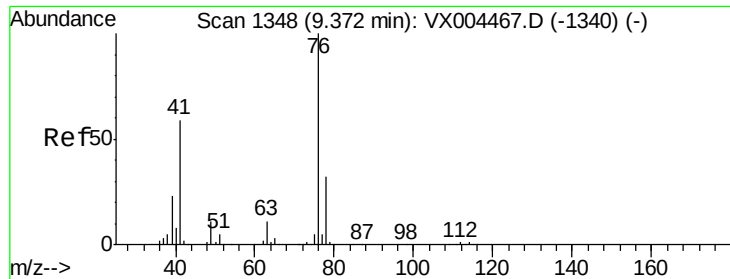
MMDadoda
9/13/2018 10:58:58 AM



#56
Ethyl methacrylate
Concen: 19.53 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion:	69	Resp:	97588
Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.0	76.4
39	30.4	26.1	39.1





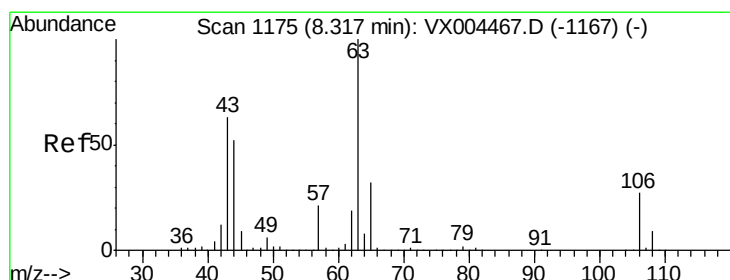
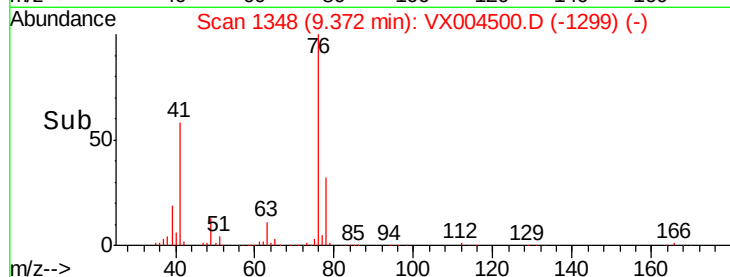
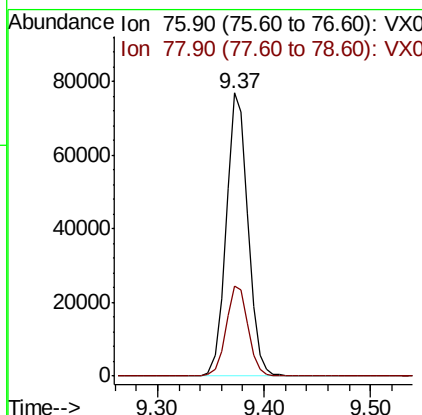
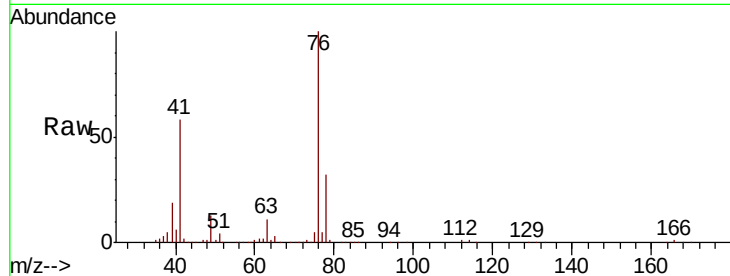
#57
 1,3-Dichloropropane
 Concen: 19.13 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

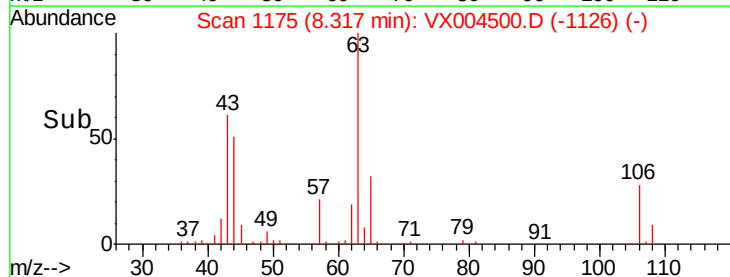
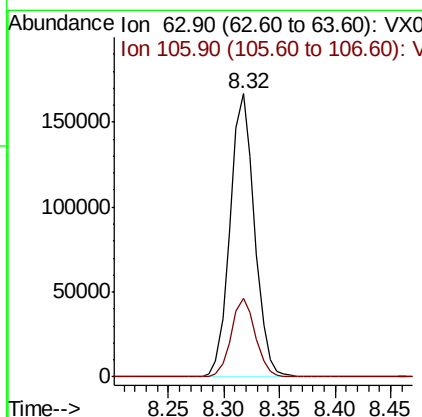
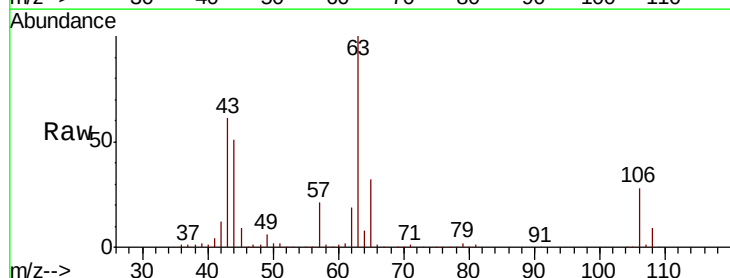
Manual Integrations
 APPROVED

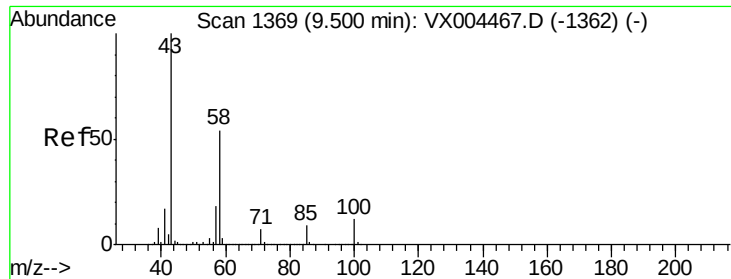
MMDadoda
 9/13/2018 10:58:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.01 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.6	23.9	35.9





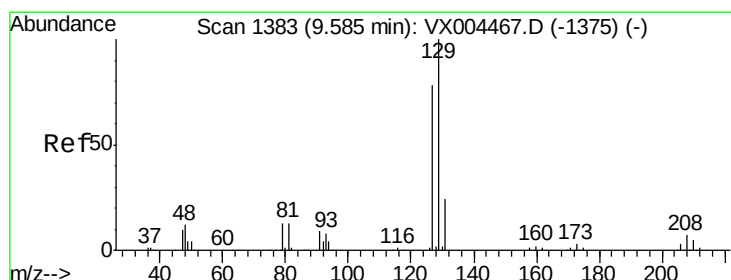
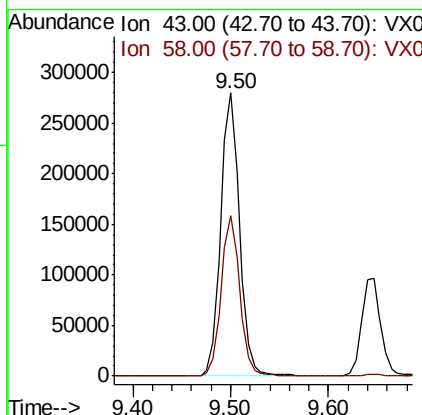
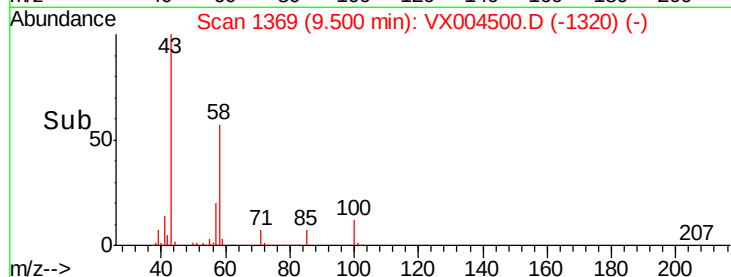
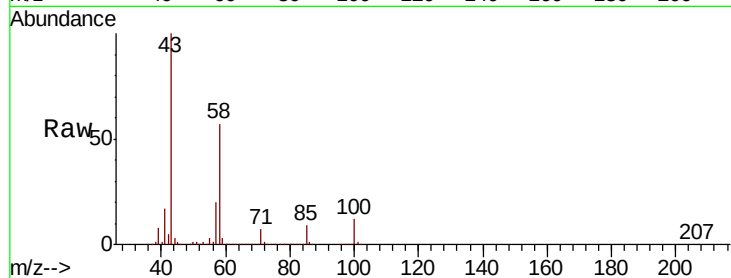
#59
2-Hexanone
Concen: 97.47 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	29.0	87.0

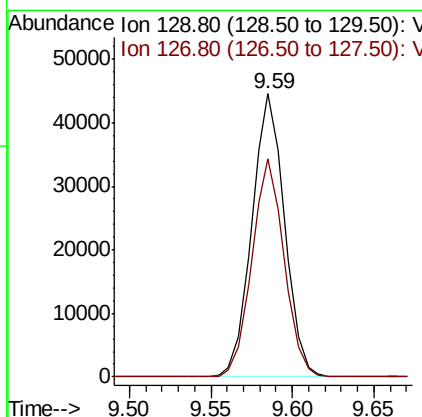
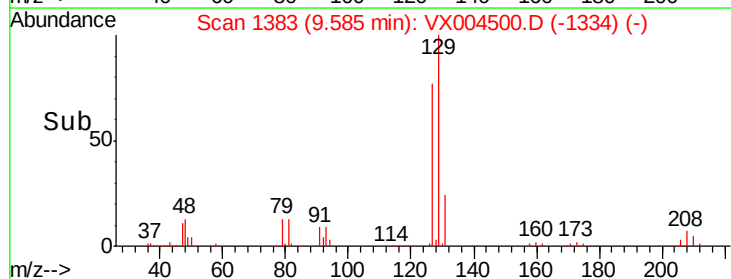
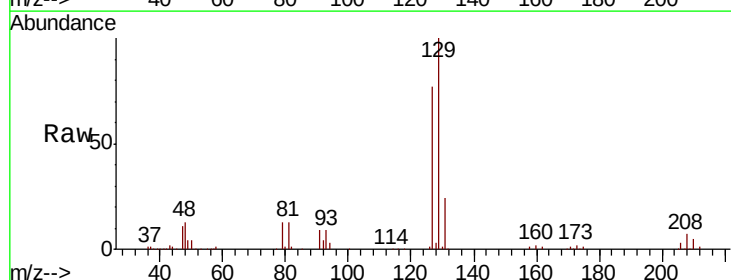
Manual Integrations
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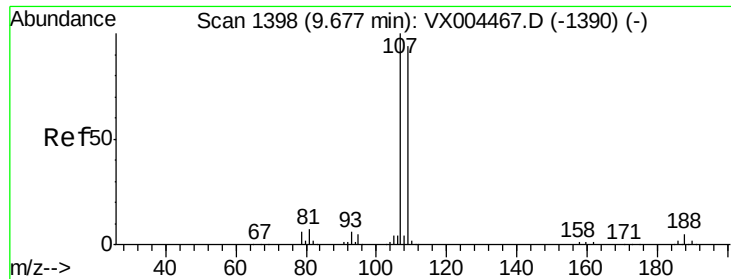
MMDadoda
9/13/2018 10:58:58 AM



#60
Dibromochloromethane
Concen: 18.66 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.5	115.5





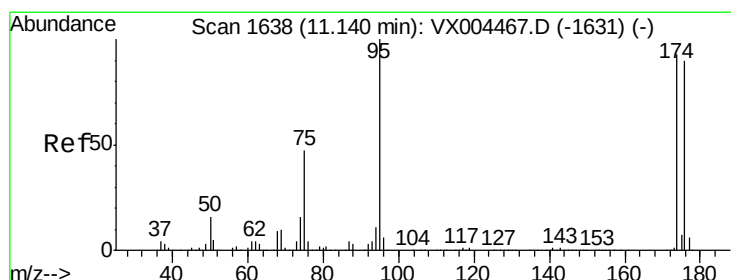
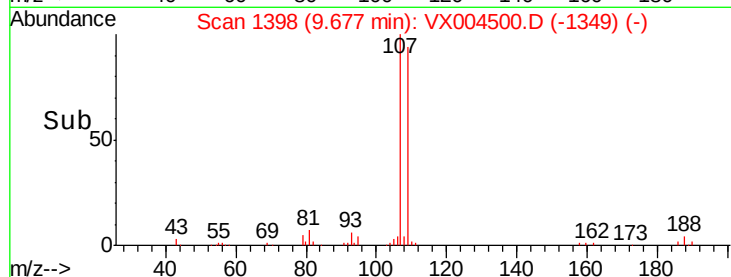
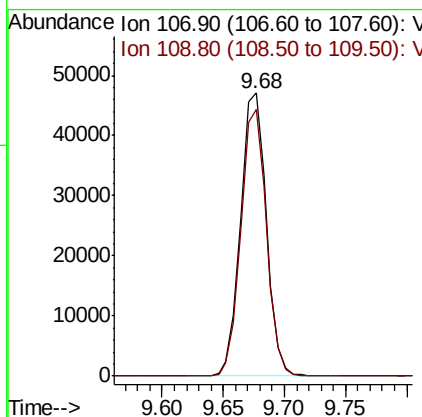
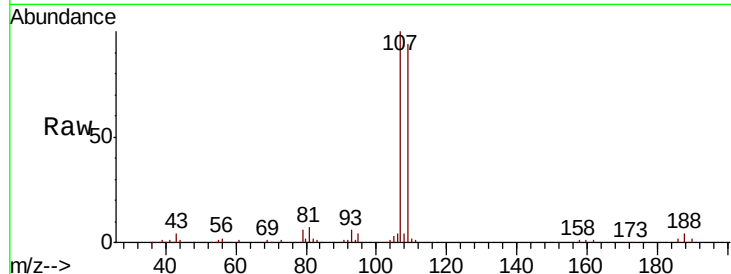
#61
 1,2-Dibromoethane
 Concen: 20.36 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.0	114.0

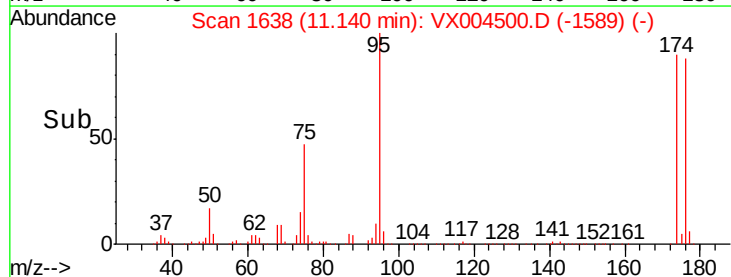
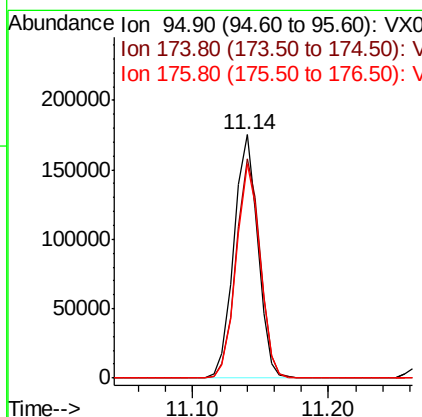
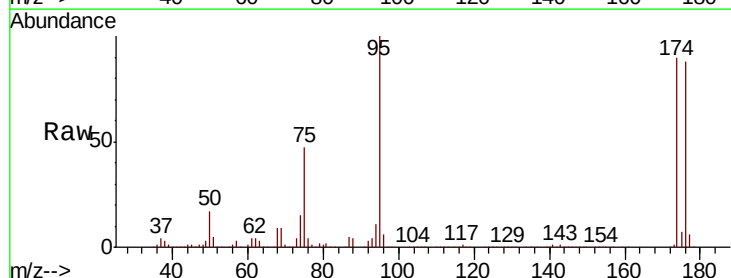
Manual Integrations
 APPROVED

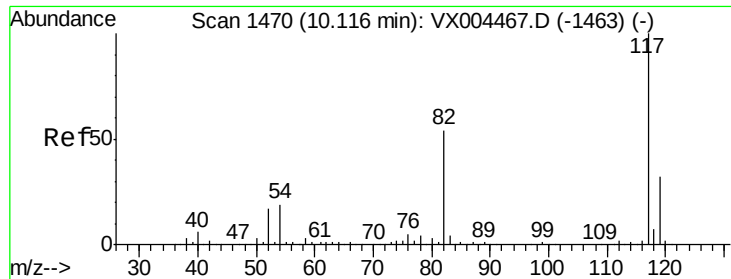
MMDadoda
 9/13/2018 10:58:58 AM



#62
 4-Bromofluorobenzene
 Concen: 50.66 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	185.2
176	88.1	0.0	178.6





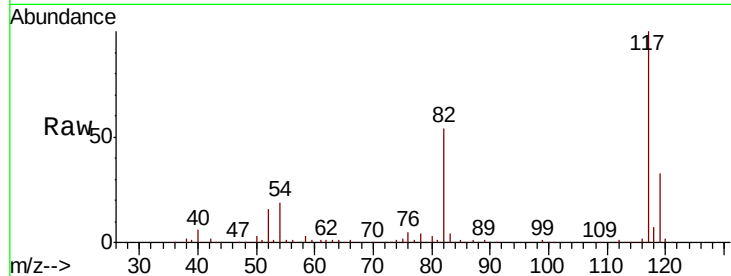
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	47.8	71.6
119	32.6	29.3	43.9

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

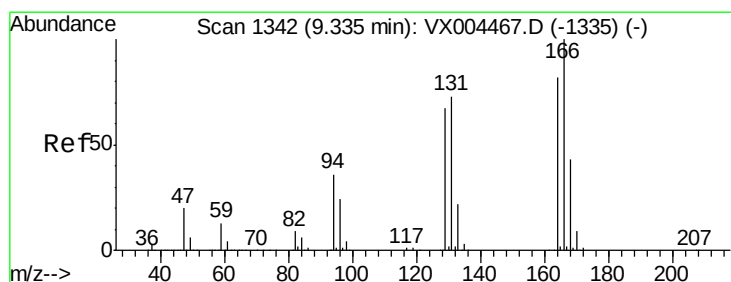
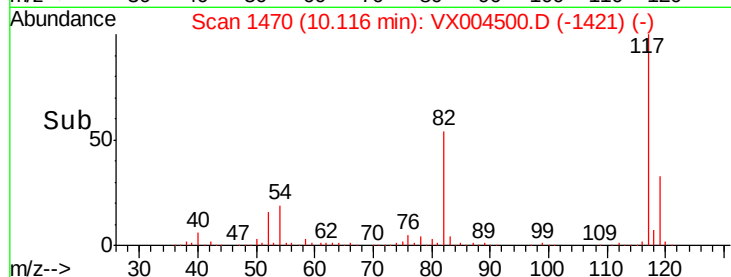
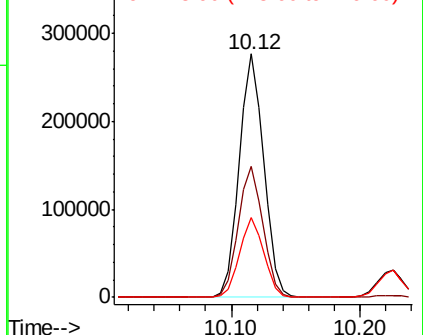


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.78 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	102.8	154.2
129	91.9	69.4	104.0
131	89.5	67.9	101.9

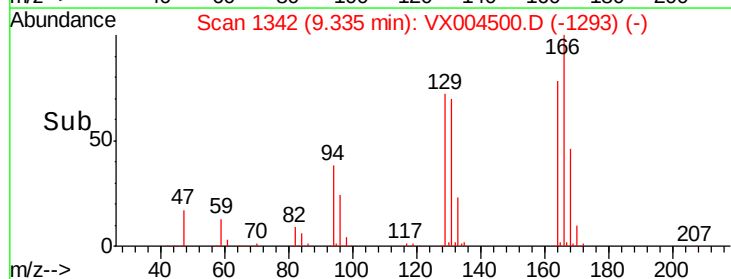
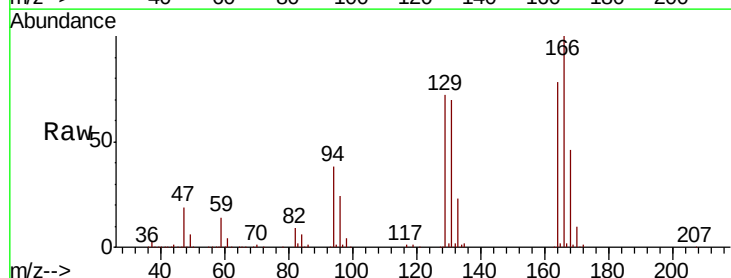
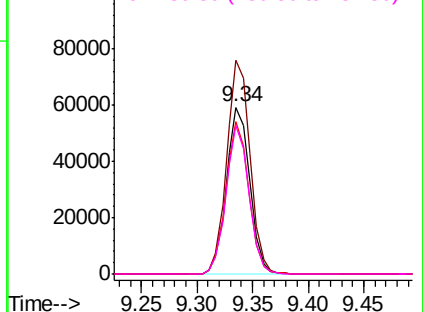
Abundance

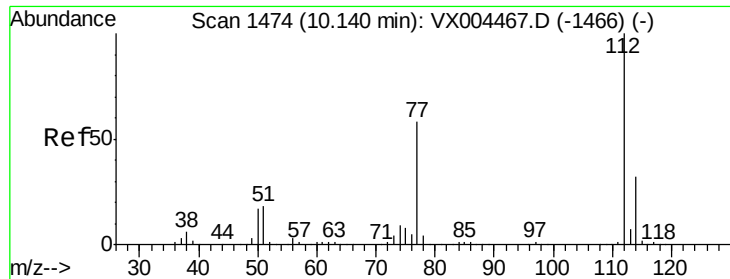
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.94 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

Tot Ion:112 Resp: 181238

Ion Ratio Lower Upper

112 100

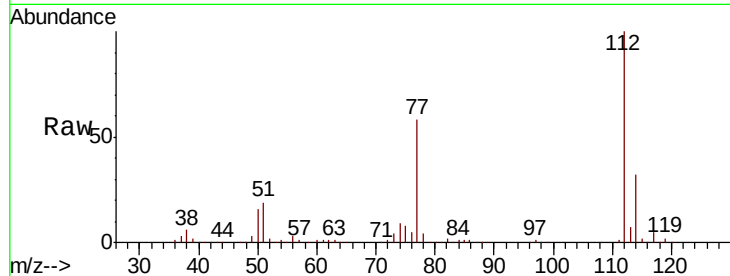
114 32.3 27.8 41.8

Manual Integrations

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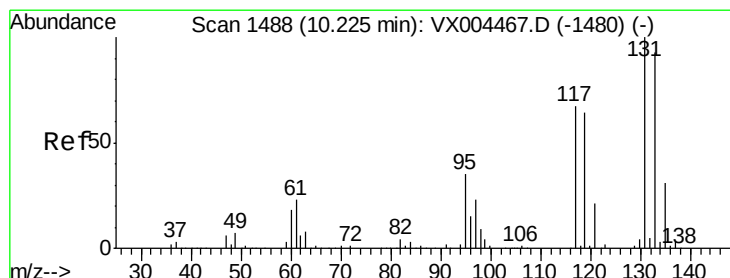
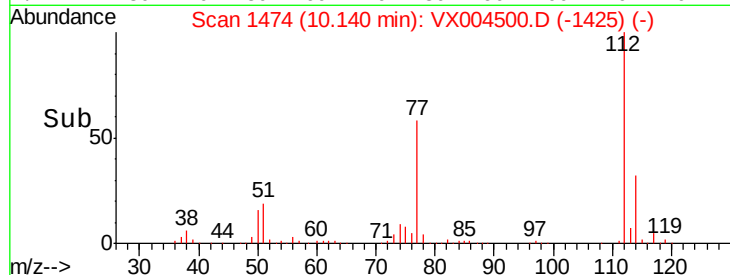
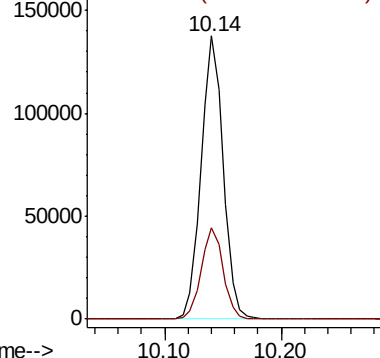
MMDadoda

9/13/2018 10:58:58 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.50 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

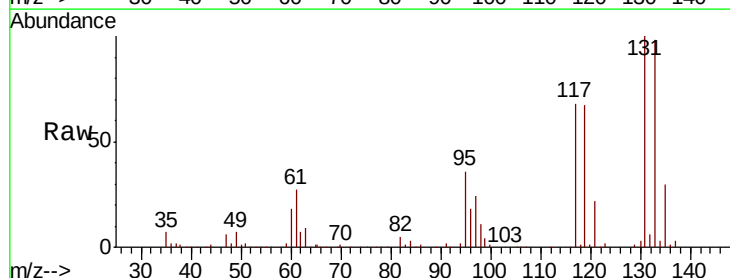
Tgt Ion:131 Resp: 61114

Ion Ratio Lower Upper

131 100

133 97.2 48.1 144.4

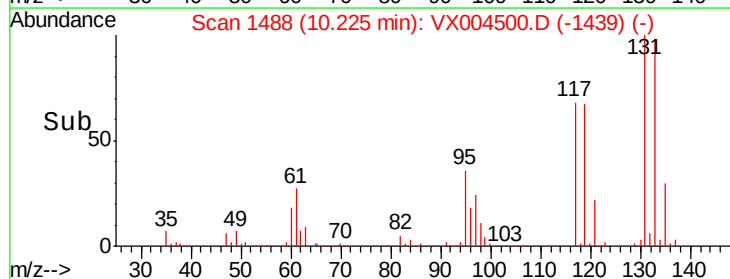
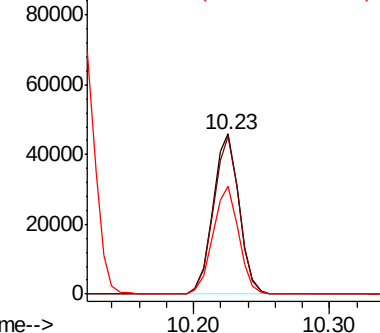
119 66.7 32.9 98.6

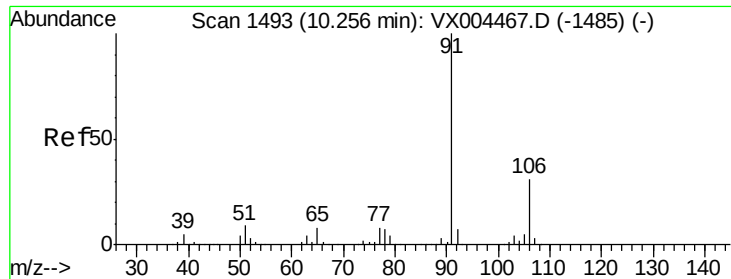


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.42 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

Tot Ion: 91 Resp: 301738

Ion Ratio Lower Upper

91 100

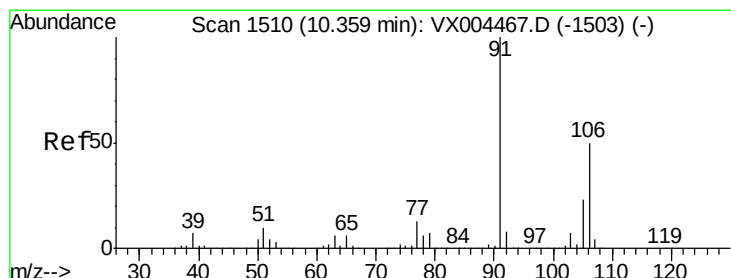
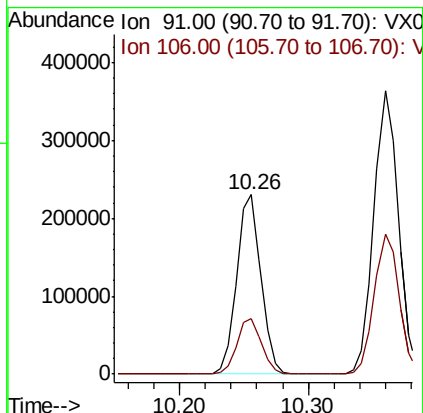
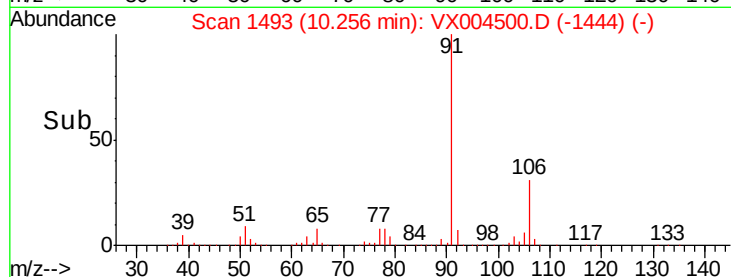
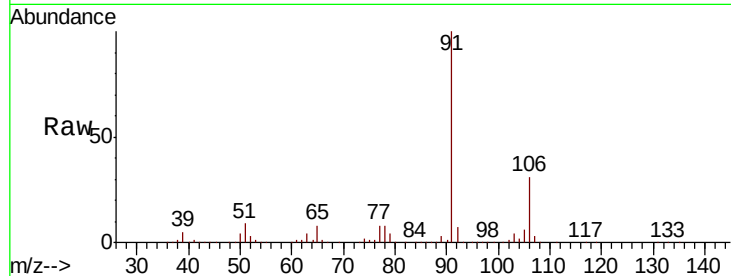
106 31.0 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.00 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004500.D

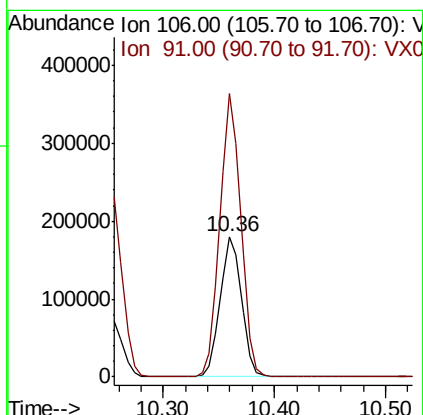
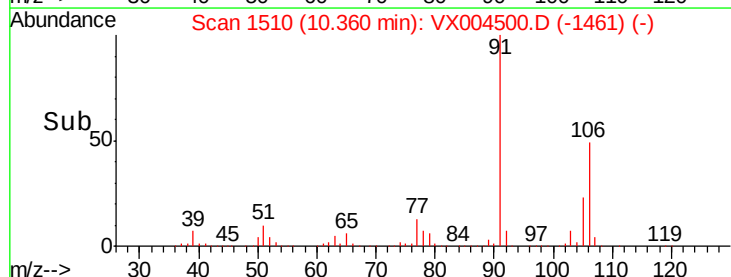
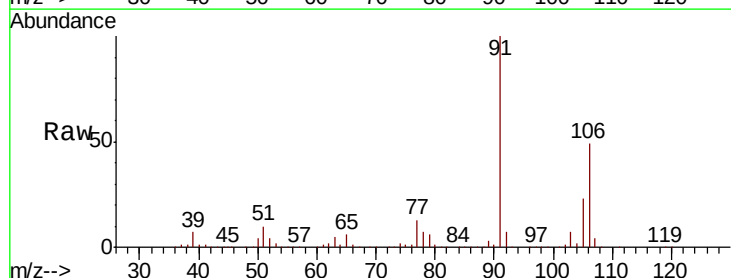
Acq: 12 Sep 2018 17:42

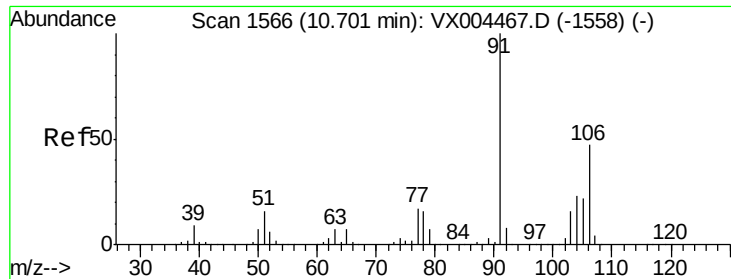
Tgt Ion: 106 Resp: 239084

Ion Ratio Lower Upper

106 100

91 199.3 157.1 235.7





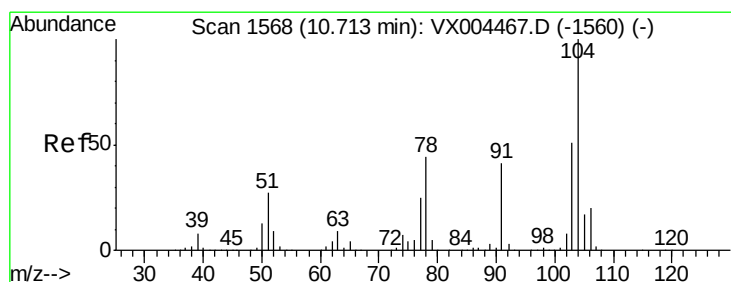
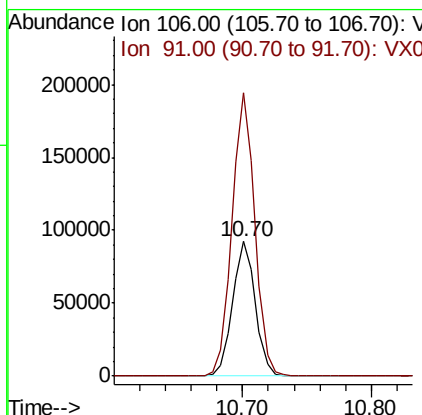
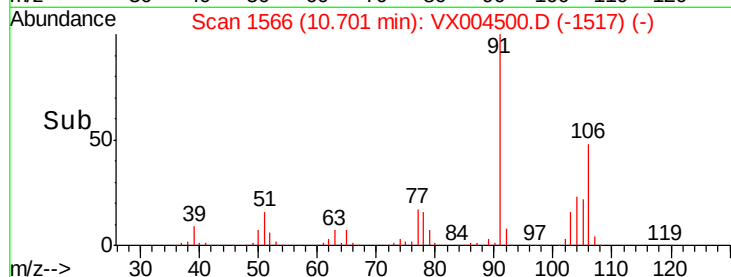
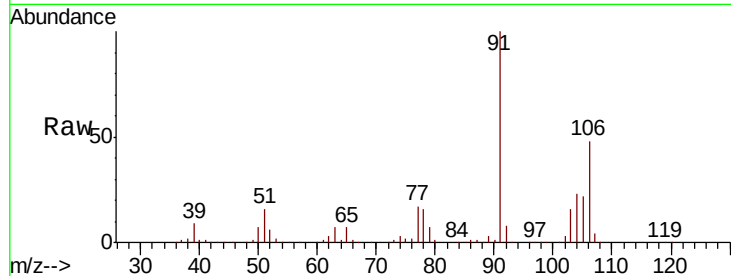
#69
o-Xylene
Concen: 20.87 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion:106 Resp: 114207
Ion Ratio Lower Upper
106 100
91 210.9 105.1 315.1

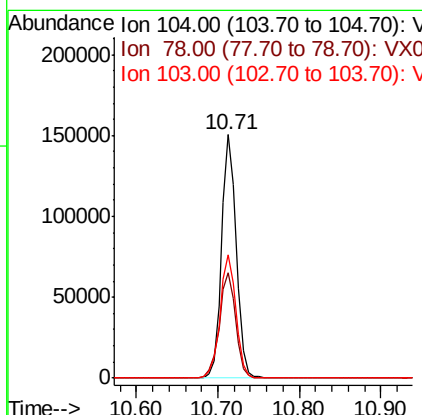
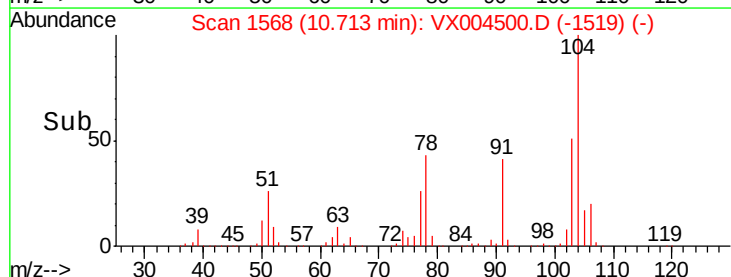
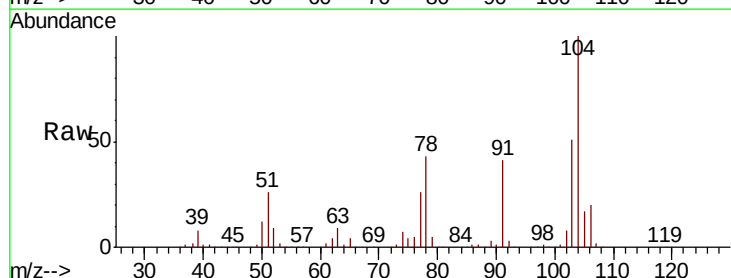
Manual Integrations
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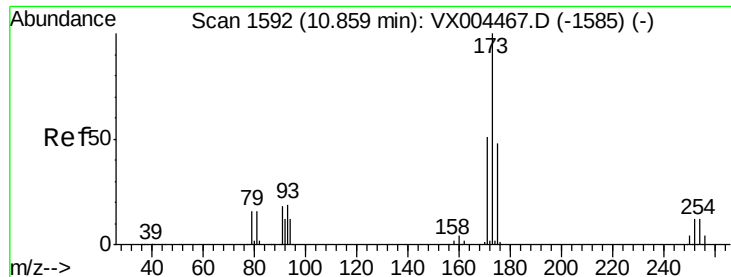
MMDadoda
9/13/2018 10:58:58 AM



#70
Styrene
Concen: 20.96 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion:104 Resp: 190019
Ion Ratio Lower Upper
104 100
78 48.2 37.4 56.0
103 55.2 43.8 65.6





#71

Bromoform

Concen: 18.13 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

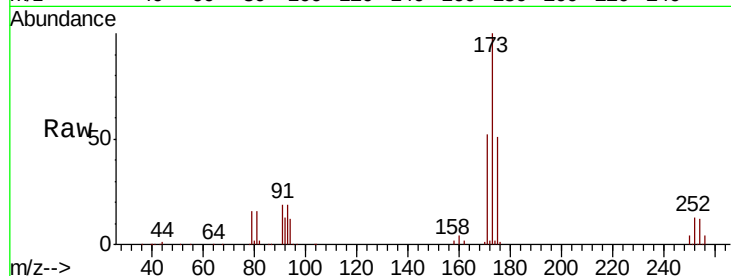
ClientSampleId :

VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.1	72.3
254	0.2	0.2	0.2

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

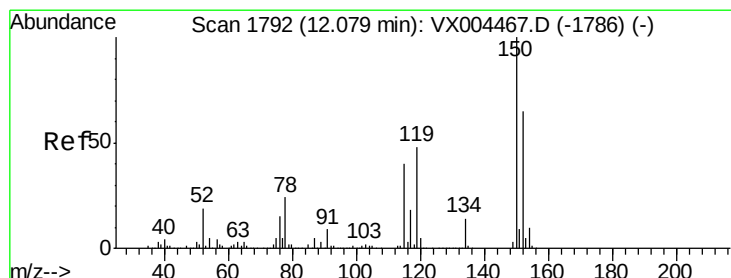
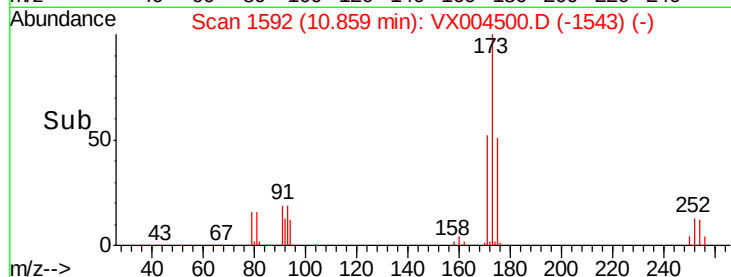
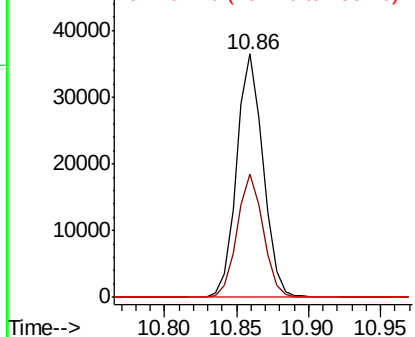


Abundance

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

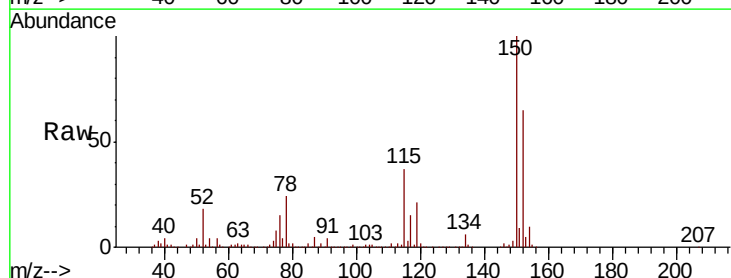
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	39.0	117.0
150	161.6	0.0	351.0

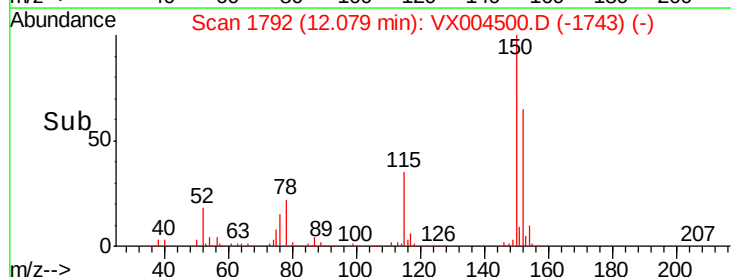
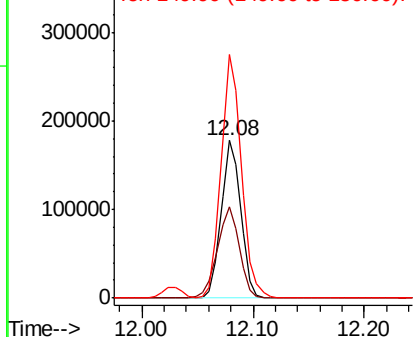


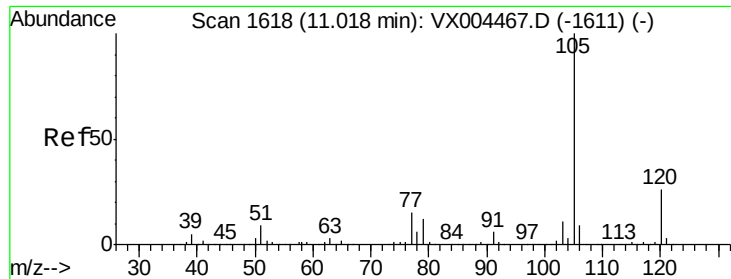
Abundance

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





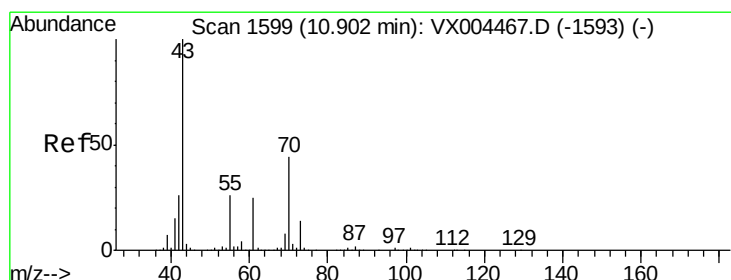
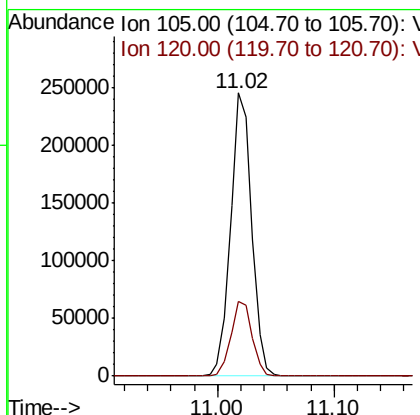
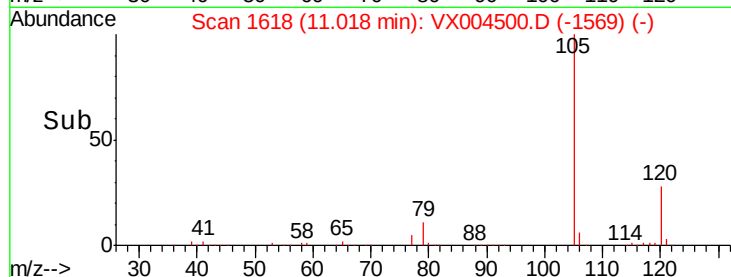
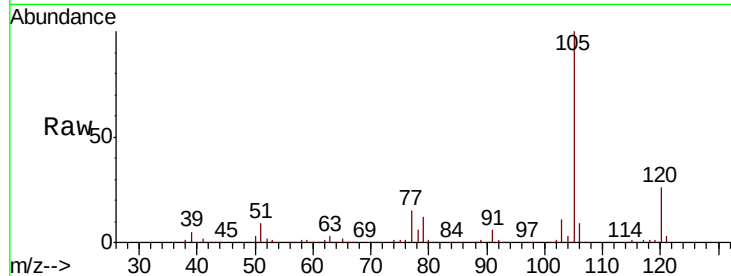
#73
Isopropylbenzene
Concen: 21.69 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4

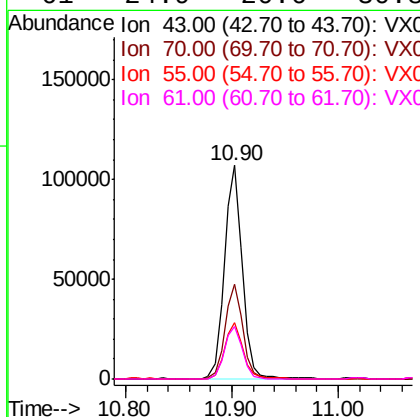
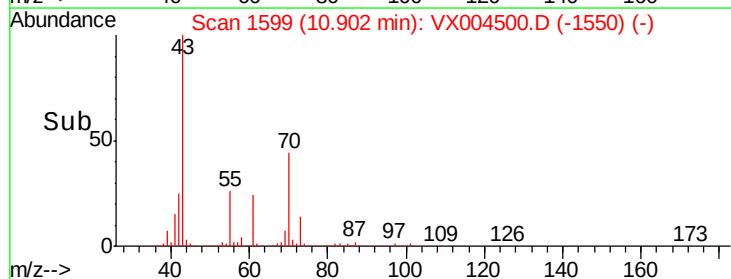
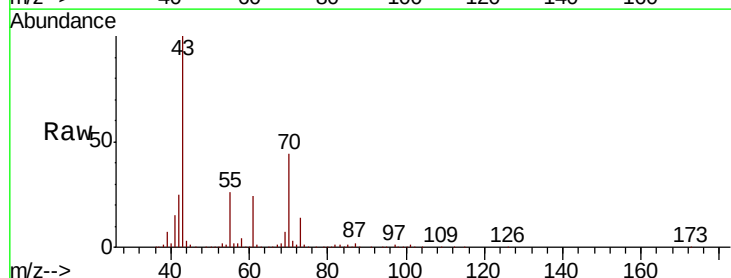
Manual Integrations
APPROVED

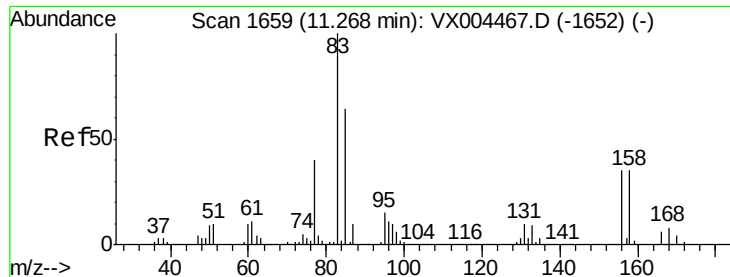
MMDadoda
9/13/2018 10:58:58 AM



#74
N-ethyl acetate
Concen: 20.95 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.1	37.4	56.0
55	27.1	21.8	32.8
61	24.9	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.22 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

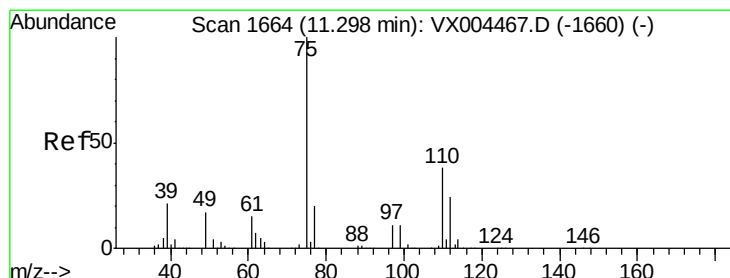
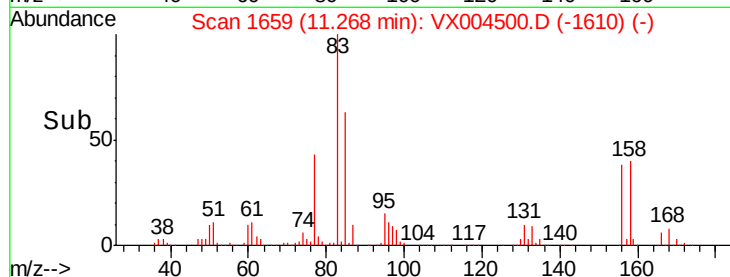
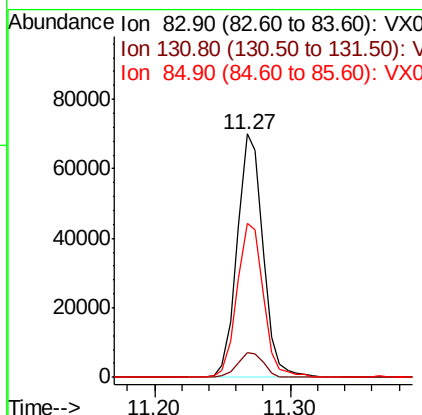
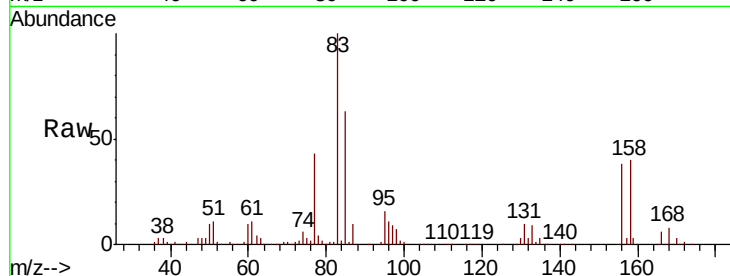
ClientSampleId :

VX0912MBSD02

Tot Ion:	83	Resp:	92727
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.6	32.3	96.8

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



#76

1,2,3-Trichloropropane

Concen: 20.67 ug/l m

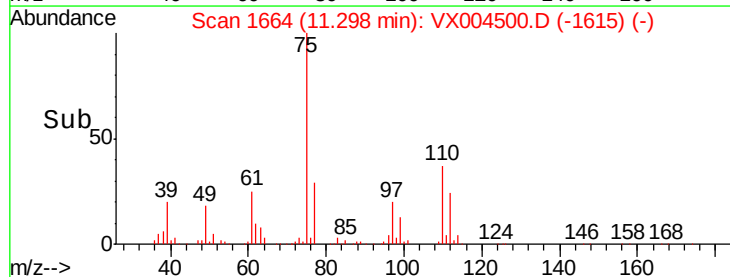
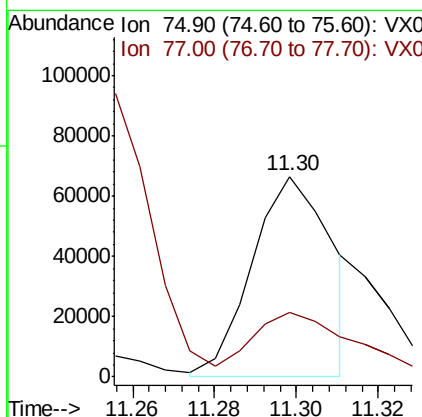
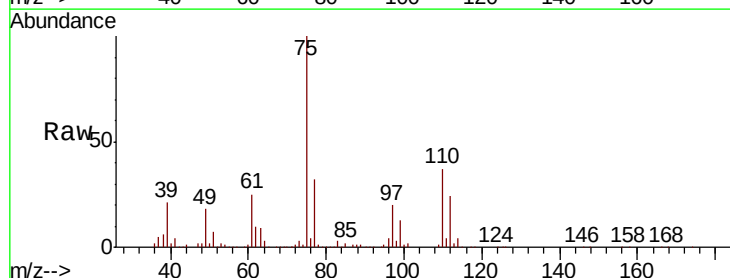
RT: 11.30 min Scan# 1664

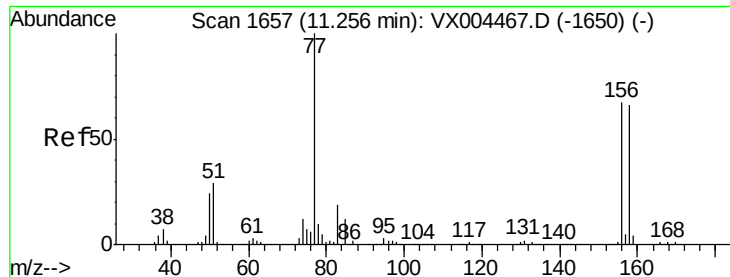
Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Tgt Ion:	75	Resp:	89784
Ion Ratio	Lower	Upper	
75	100		
77	41.5	20.2	60.6





#77

Bromobenzene

Concen: 20.60 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBSD02

Tot Ion:156 Resp: 80963

Ion Ratio Lower Upper

156 100

77 147.5 71.5 214.3

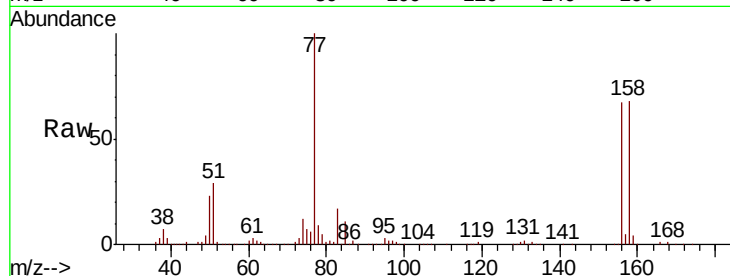
158 99.5 48.9 146.8

Manual Integrations

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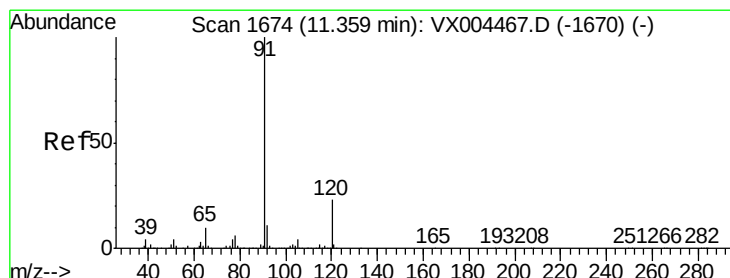
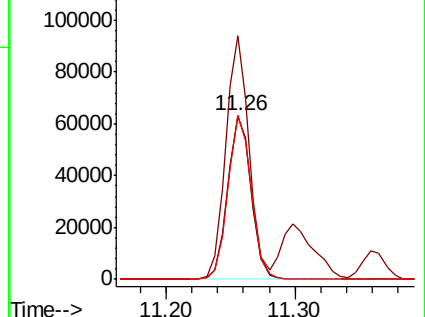
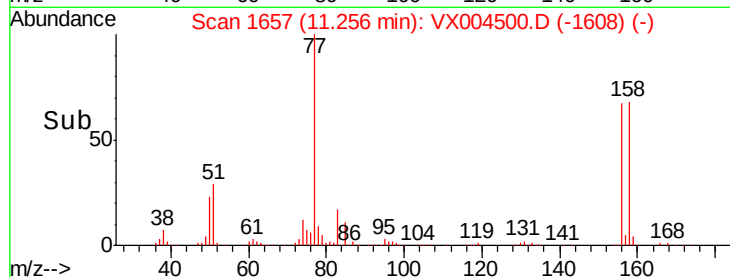
9/13/2018 10:58:58 AM



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: 21.76 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004500.D

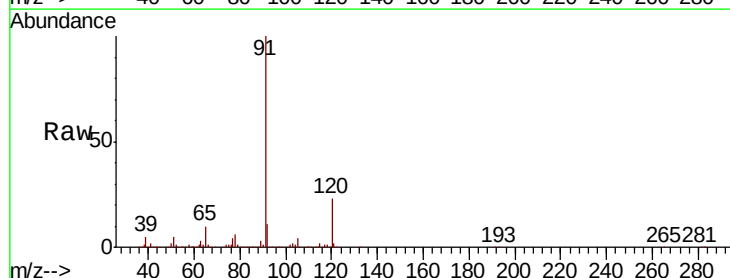
Acq: 12 Sep 2018 17:42

Tgt Ion: 91 Resp: 355792

Ion Ratio Lower Upper

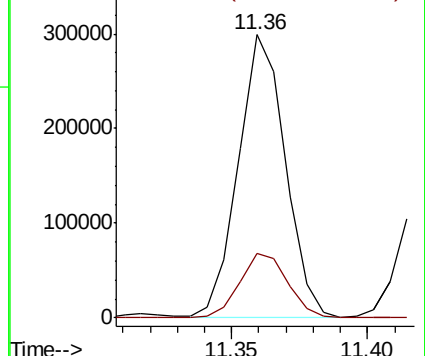
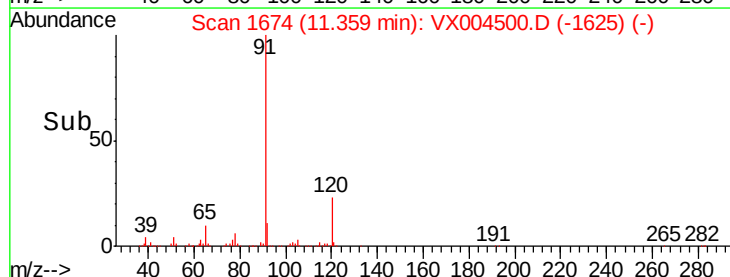
91 100

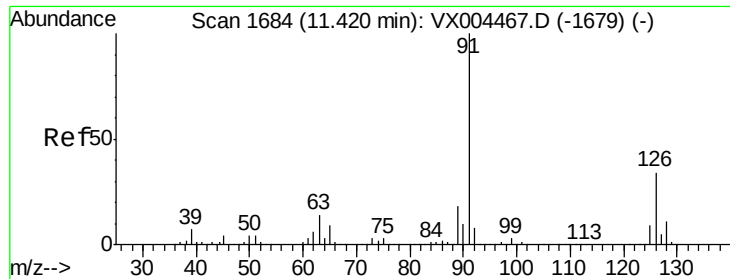
120 23.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





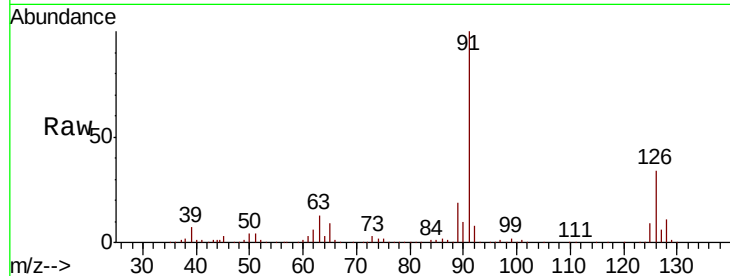
#79
 2-Chlorotoluene
 Concen: 21.22 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

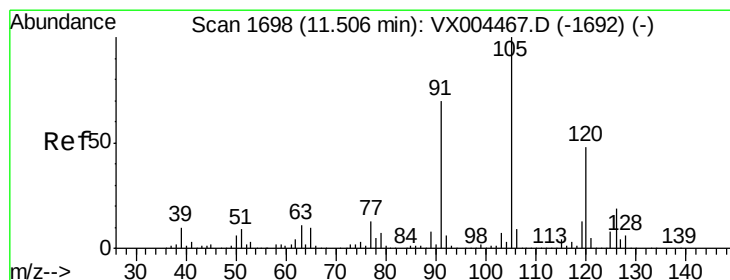
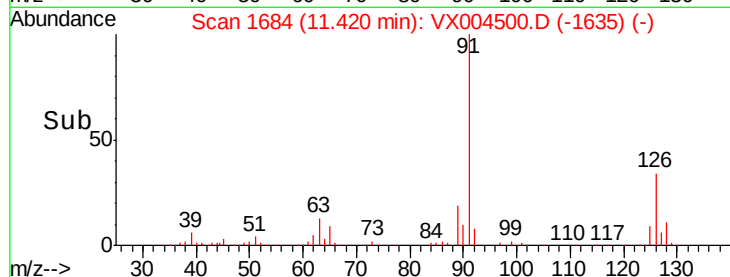
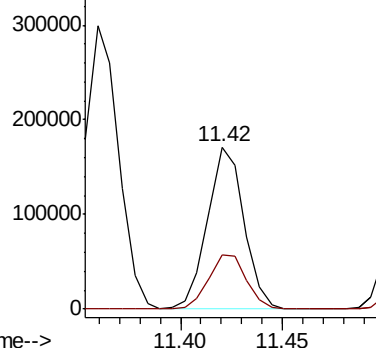
Tot Ion: 91 Resp: 210469
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.9 53.7

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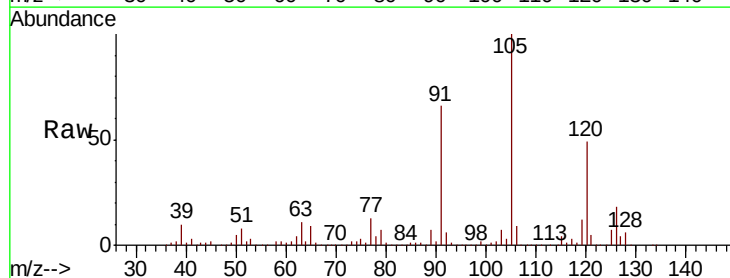


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

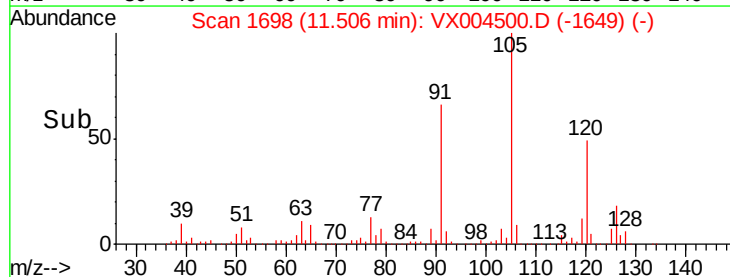
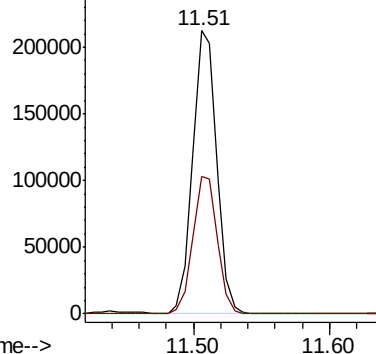


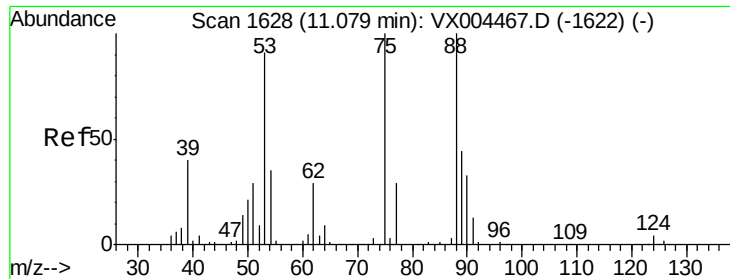
#80
 1,3,5-Trimethylbenzene
 Concen: 21.62 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion:105 Resp: 258493
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





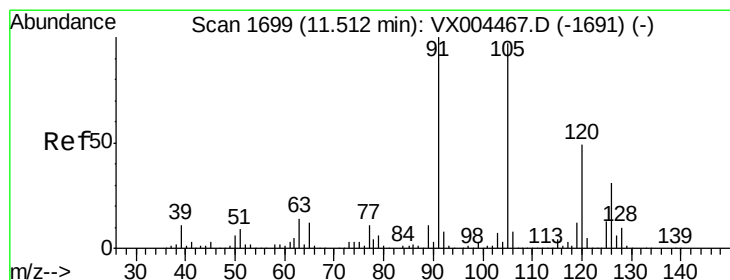
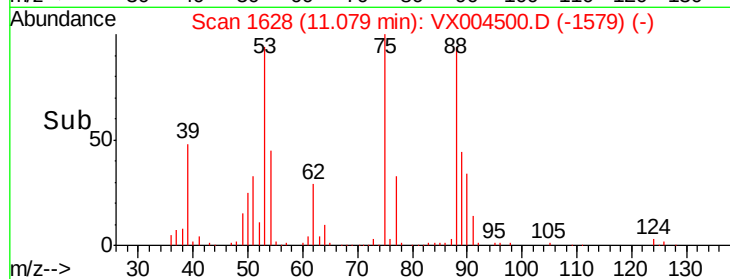
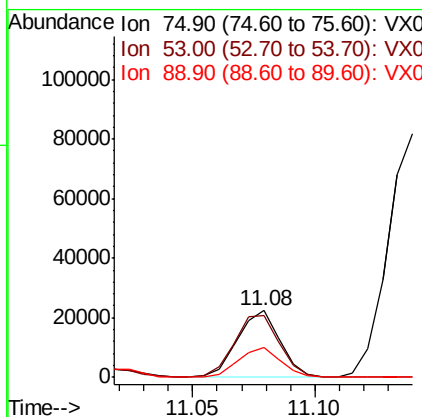
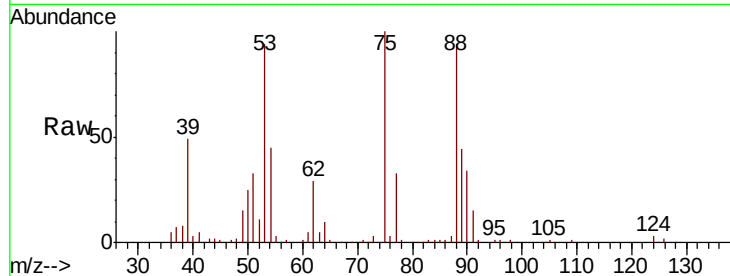
#81
trans-1,4-Dichloro-2-butene
Concen: 20.09 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.0	80.1	120.1
89	44.5	37.2	55.8

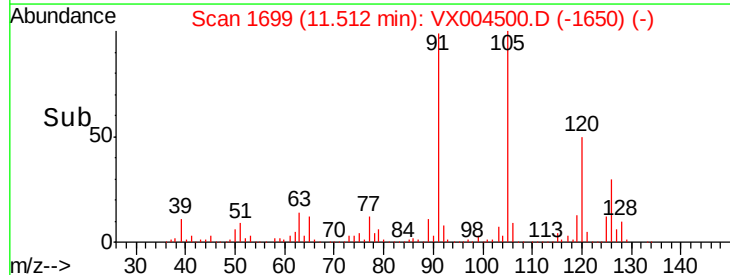
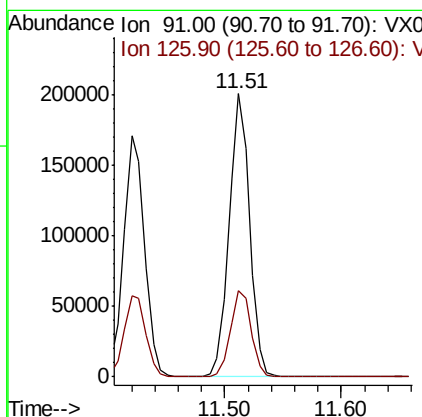
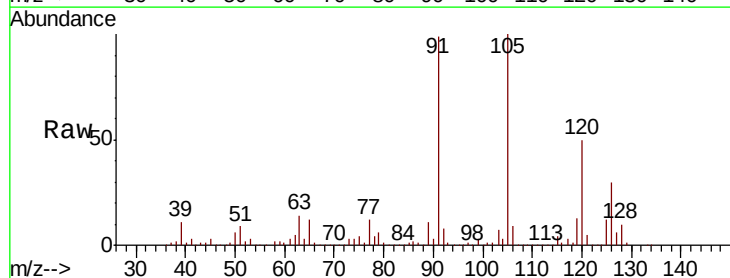
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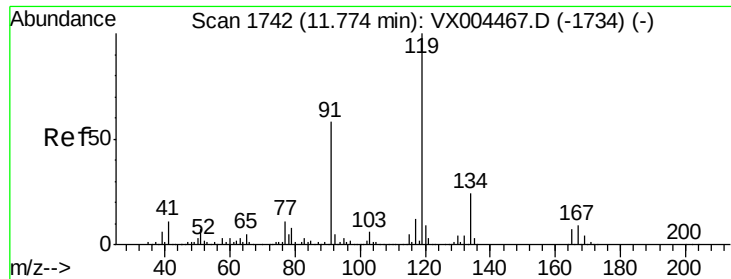
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.19 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.5	46.5





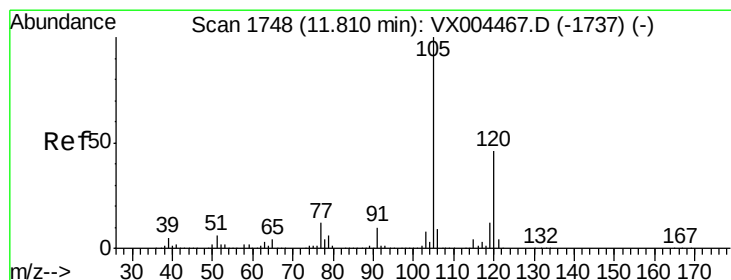
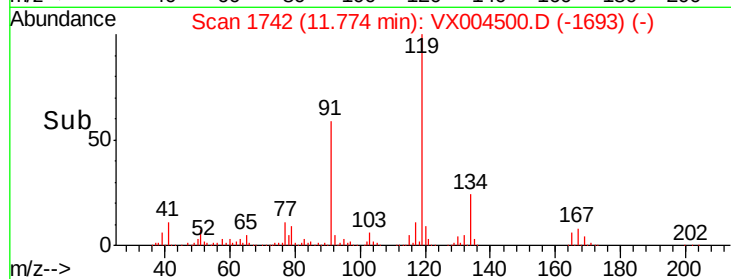
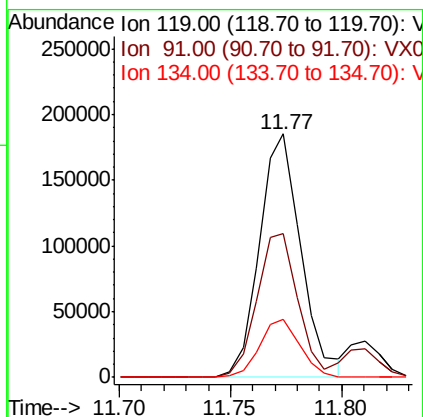
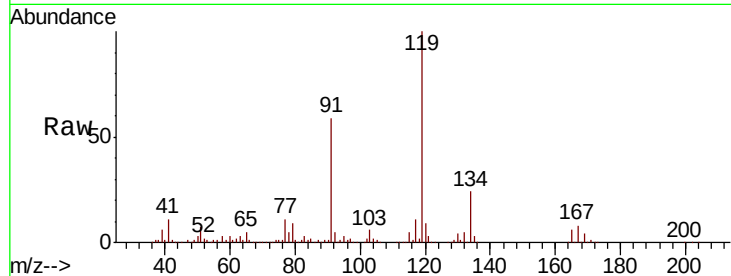
#83
 tert-Butylbenzene
 Concen: 21.07 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239757		
91	58.3		27.0	81.0
134	23.4		11.7	35.1

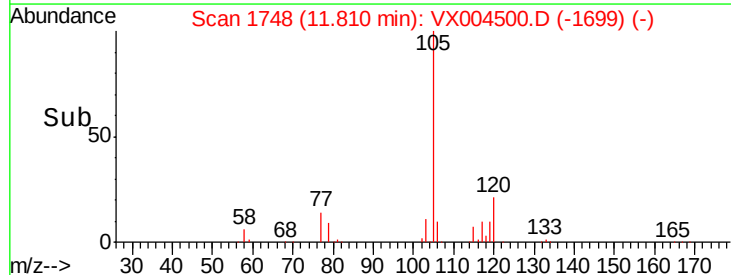
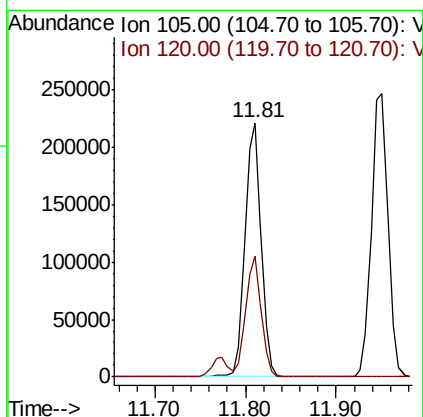
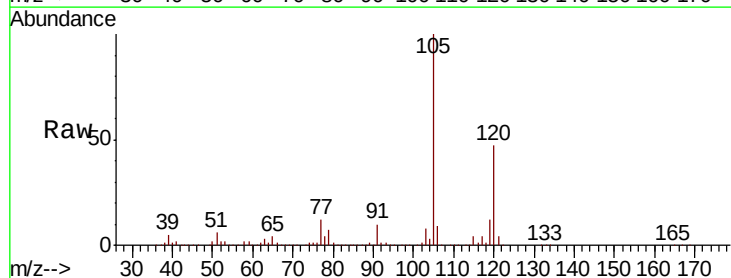
Manual Integrations
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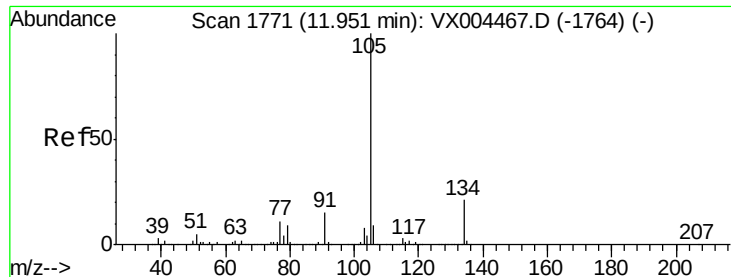
MMDadoda
 9/13/2018 10:58:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.33 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	272589		
120	45.6		23.2	69.6





#85

sec-Butylbenzene

Concen: 21.47 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

Tot Ion:105 Resp: 311421

Ion Ratio Lower Upper

105 100

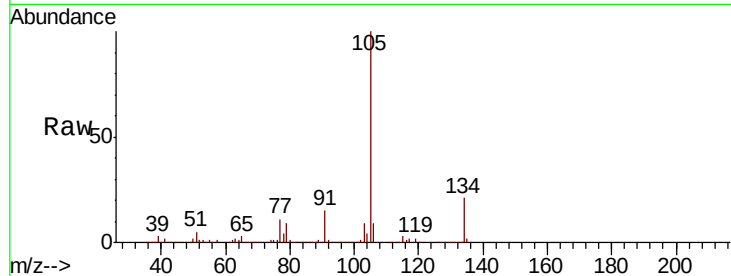
134 20.6 10.5 31.5

Manual Integrations

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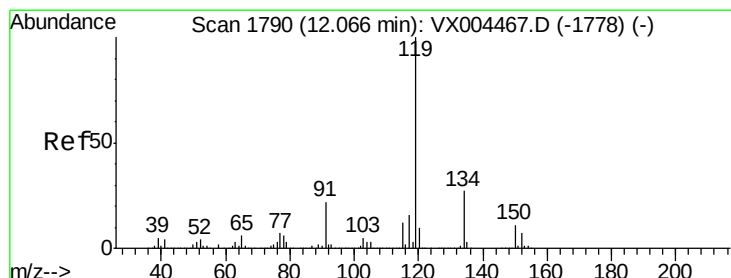
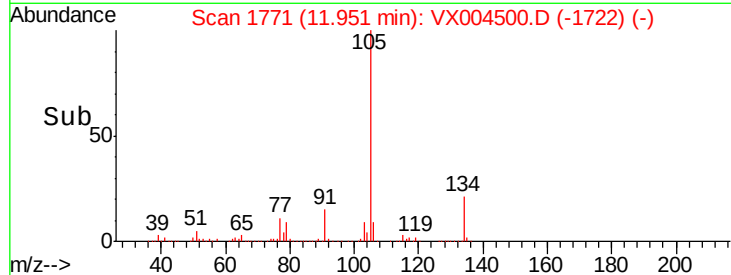
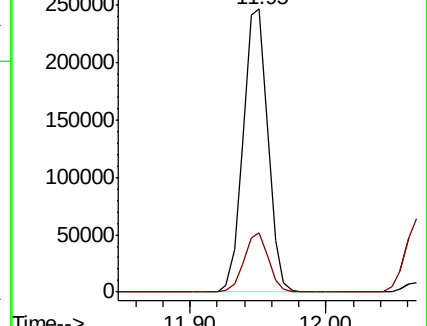
MMDadoda

9/13/2018 10:58:58 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.70 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

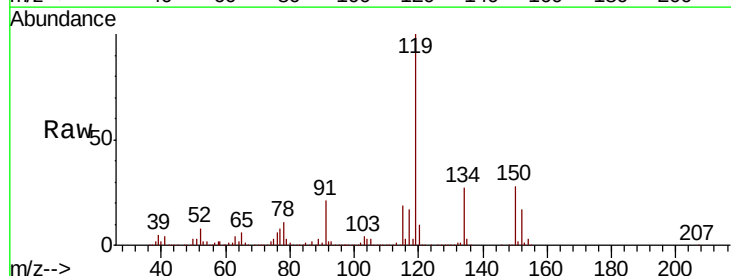
Tgt Ion:119 Resp: 277903

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

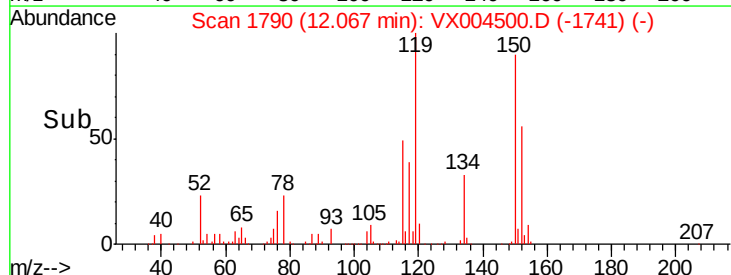
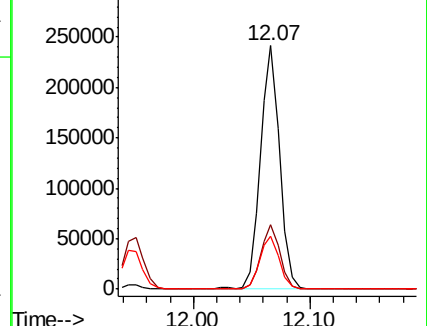
91 22.2 10.9 32.7

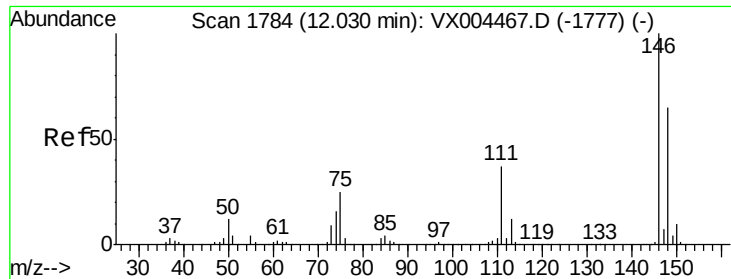


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





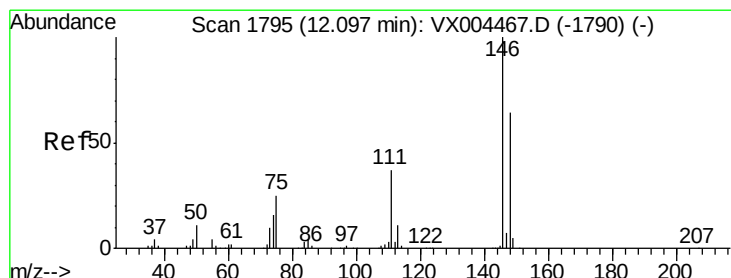
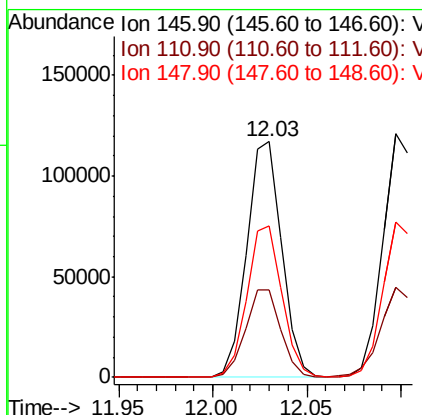
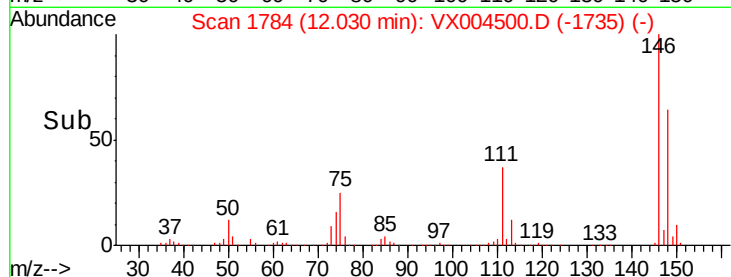
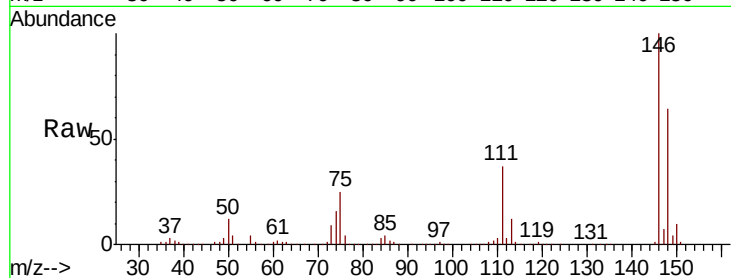
#87
 1,3-Dichlorobenzene
 Concen: 20.53 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	64.1	32.1	96.5

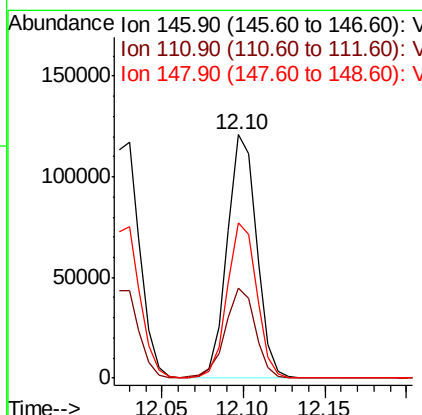
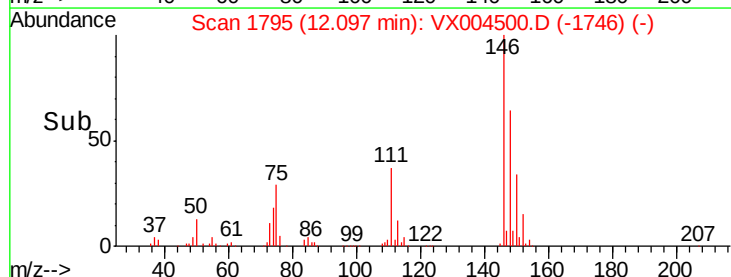
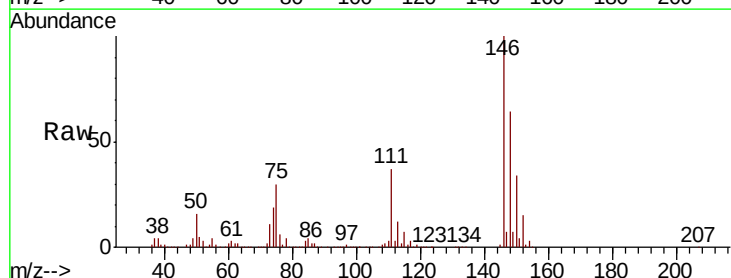
Manual Integrations
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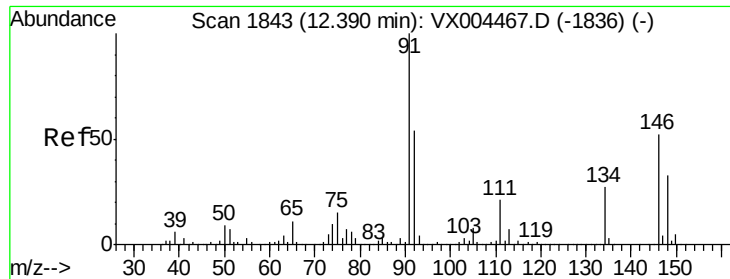
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 9/13/2018 10:58:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.00 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.1
148	63.9	32.0	96.0





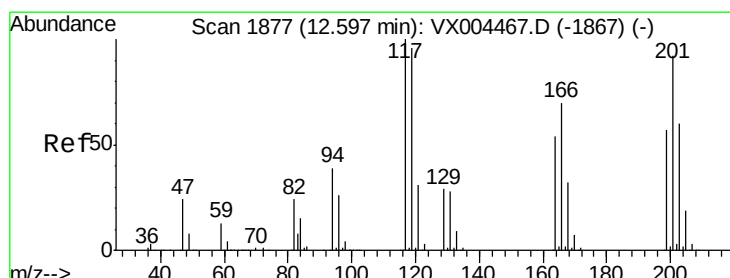
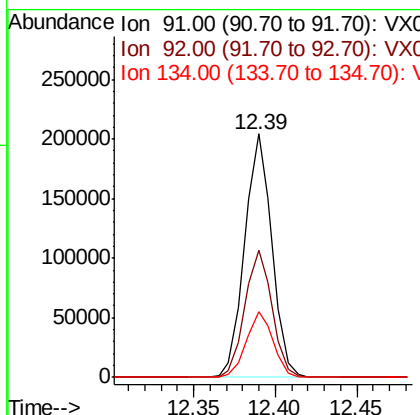
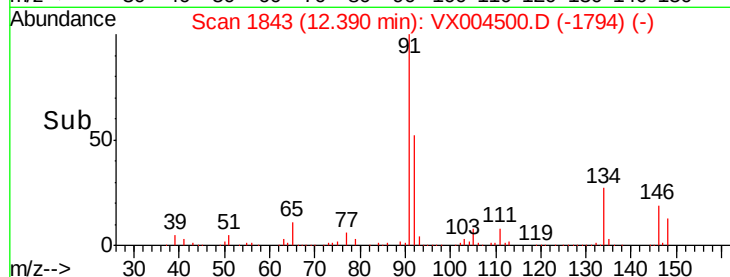
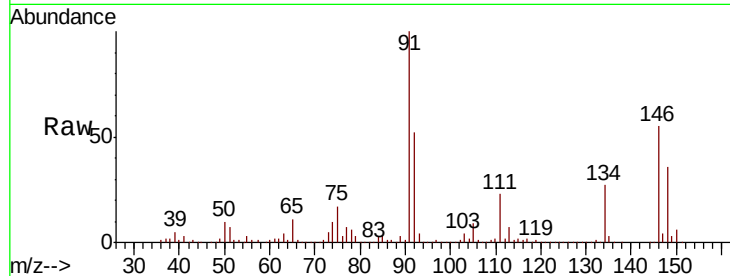
#89
n-Butylbenzene
Concen: 20.42 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	238322		
92	52.3		27.3	81.9
134	26.6		13.6	40.7

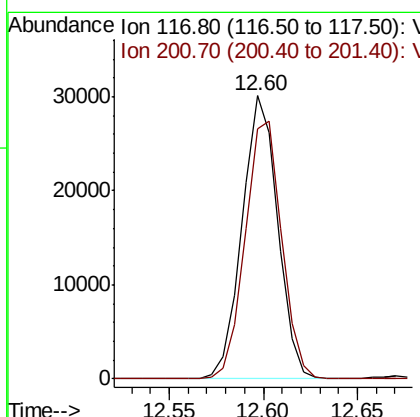
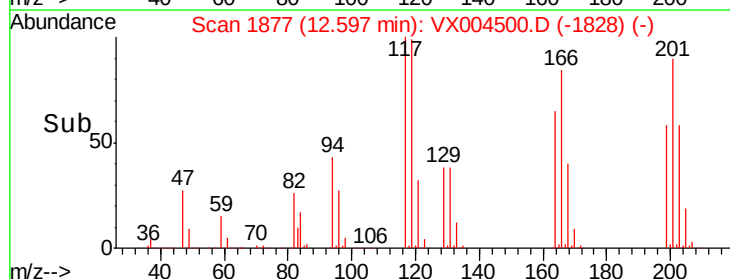
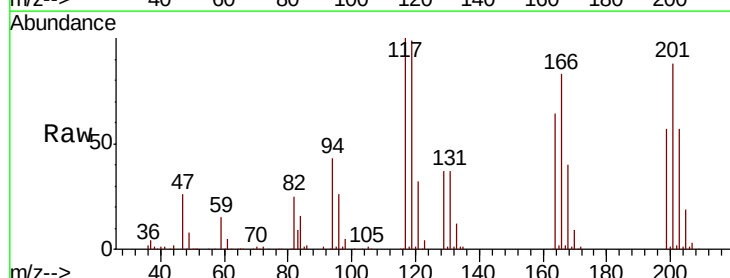
Manual Integrations
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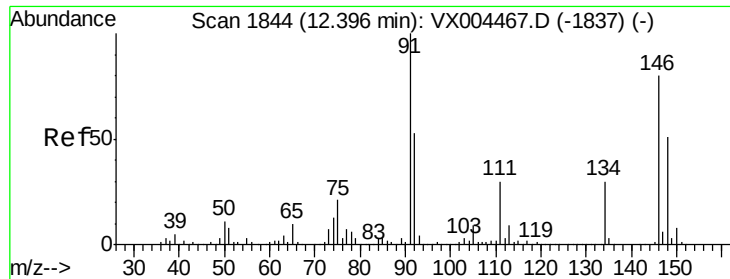
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#90
Hexachloroethane
Concen: 19.17 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004500.D
Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39300		
201	93.6		46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 20.35 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

Tot Ion:146 Resp: 151072

Ion Ratio Lower Upper

146 100

111 39.4 19.4 58.1

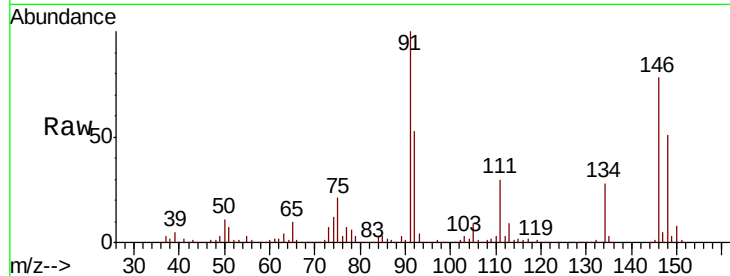
148 64.9 32.8 98.3

Manual Integrations

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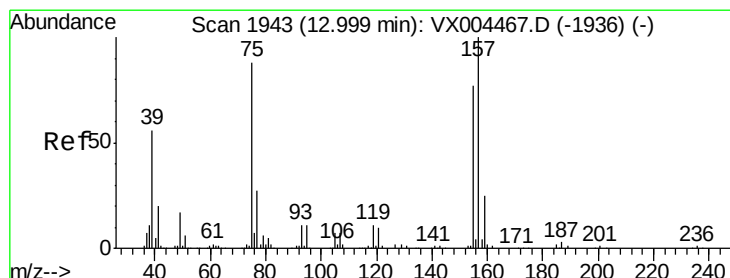
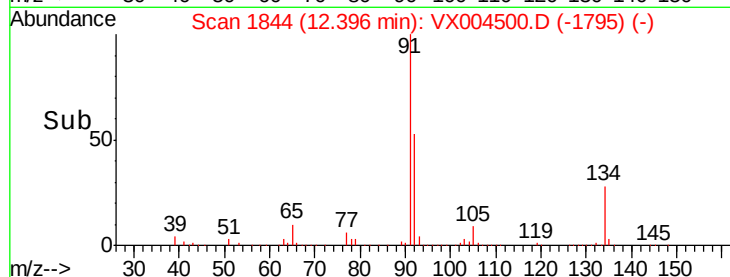
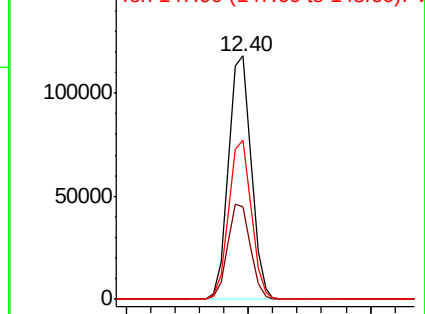


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.01 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

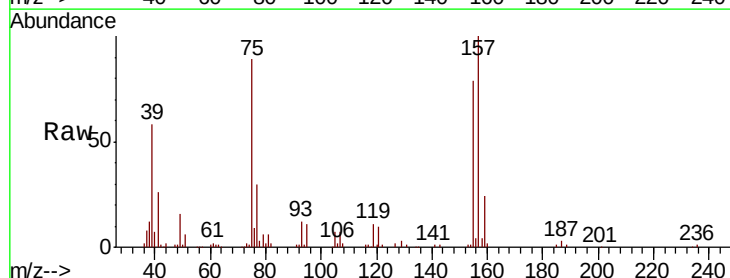
Tgt Ion: 75 Resp: 20572

Ion Ratio Lower Upper

75 100

155 95.4 48.0 144.2

157 121.8 61.4 184.1

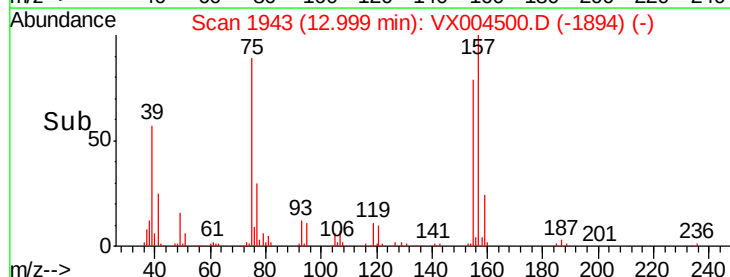
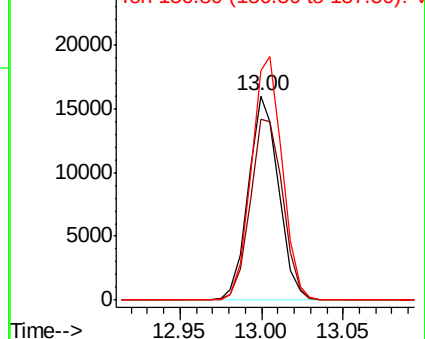


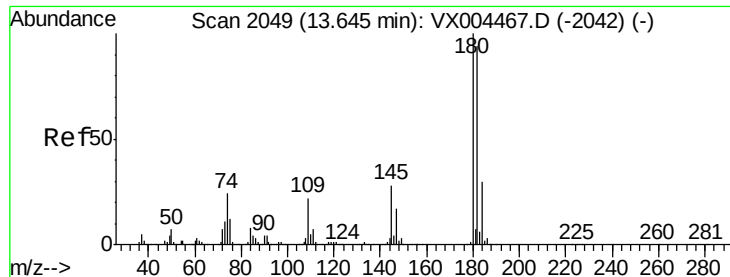
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





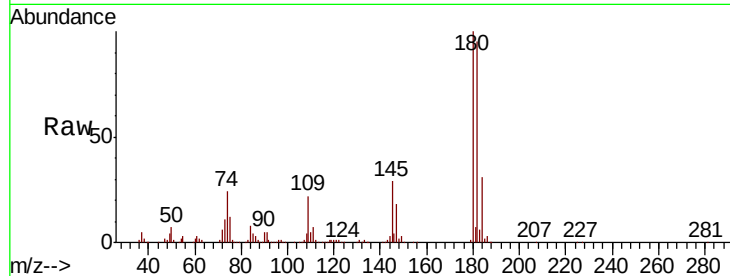
#93
 1,2,4-Trichlorobenzene
 Concen: 20.54 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107956		
182	94.9	48.4	145.0	
145	28.2	14.3	42.9	

Manual Integrations
 APPROVED

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

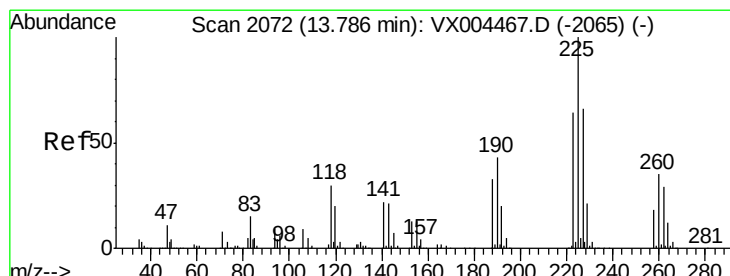
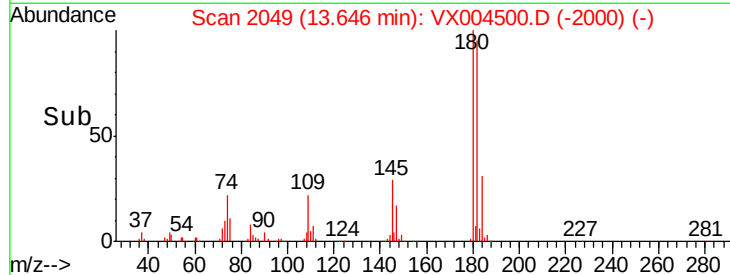
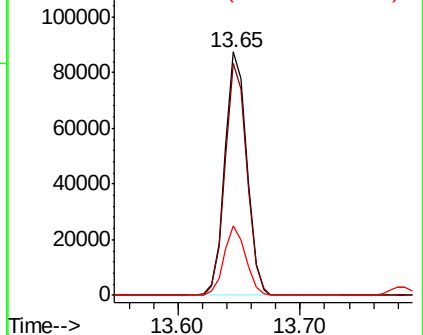


Abundance

Ion 179.80 (179.50 to 180.50): V

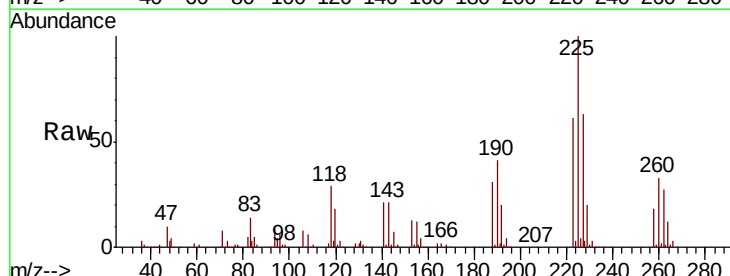
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.32 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004500.D
 Acq: 12 Sep 2018 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53040		
223	62.2	30.1	90.5	
227	63.2	30.8	92.4	

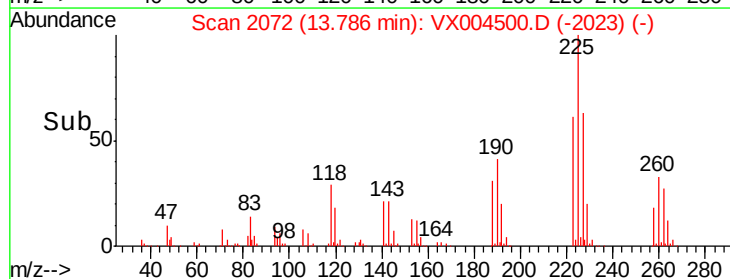
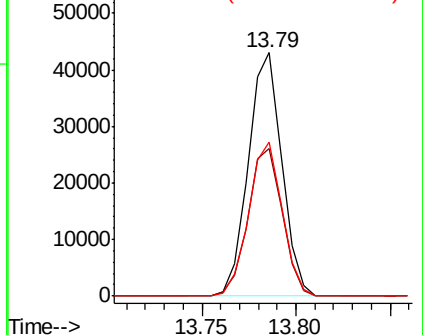


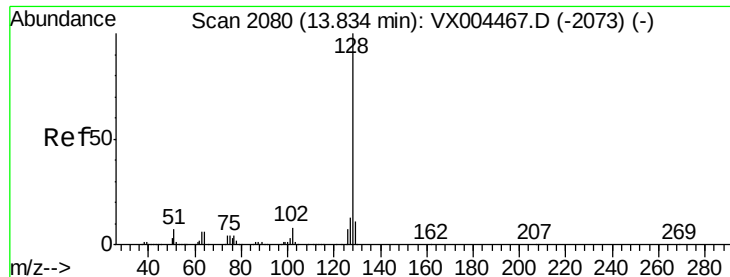
Abundance

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: 21.77 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Instrument :

MSVOA_X

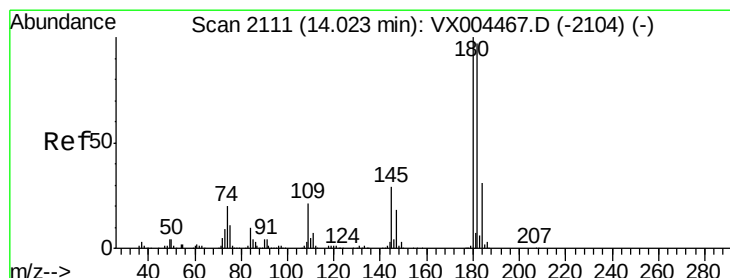
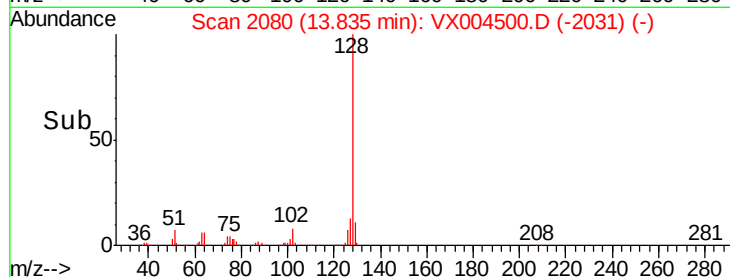
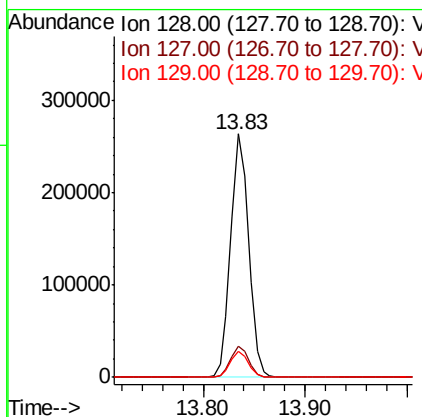
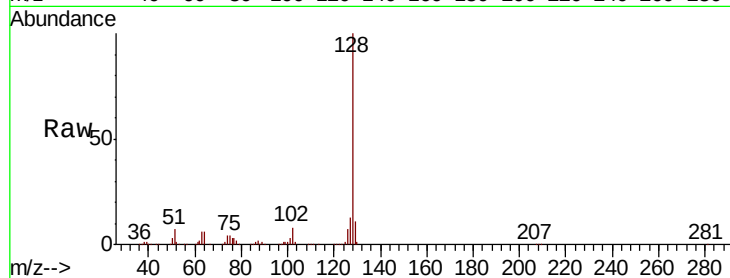
ClientSampleId :

VX0912MBSD02

Tot Ion:	128	Resp:	320949
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 20.46 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004500.D

Acq: 12 Sep 2018 17:42

Tgt Ion:	180	Resp:	110459
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.5	145.6
145	29.8	14.9	44.9

