

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004552.D
 Acq On : 14 Sep 2018 20:40
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:27 PM

Quant Time: Sep 15 06:01:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	284507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197384	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	181700	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	5.50	113	157537	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	
50) Toluene-d8	8.72	98	551375	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.14	95	188635	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	130394	48.90	ug/l	96
3) Chloromethane	1.32	50	160481	43.73	ug/l	100
4) Vinyl Chloride	1.40	62	177605	47.16	ug/l	96
5) Bromomethane	1.64	94	66329	41.87	ug/l	99
6) Chloroethane	1.71	64	119790	49.18	ug/l	98
7) Trichlorofluoromethane	1.92	101	239419	47.95	ug/l	93
8) Diethyl Ether	2.18	74	111924	50.00	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	153321	48.41	ug/l	98
10) Methyl Iodide	2.51	142	144466	39.16	ug/l	97
11) Tert butyl alcohol	3.07	59	208051	237.68	ug/l	99
12) 1,1-Dichloroethene	2.37	96	144653	48.66	ug/l	98
13) Acrolein	2.29	56	79774	230.87	ug/l	97
14) Allyl chloride	2.73	41	288862	47.26	ug/l	96
15) Acrylonitrile	3.15	53	496732	235.65	ug/l	99
16) Acetone	2.45	43	388349	216.90	ug/l	95
17) Carbon Disulfide	2.57	76	415164	48.32	ug/l	99
18) Methyl Acetate	2.78	43	239790	47.74	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	522789	50.12	ug/l	97
20) Methylene Chloride	2.85	84	172555	46.98	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	162386	49.43	ug/l	93
22) Diisopropyl ether	3.87	45	539288	48.99	ug/l	98
23) Vinyl Acetate	3.82	43	2233038	250.69	ug/l	99
24) 1,1-Dichloroethane	3.70	63	300060	48.28	ug/l	99
25) 2-Butanone	4.70	43	637720	223.79	ug/l	97
26) 2,2-Dichloropropane	4.58	77	200336	46.93	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	187749	51.20	ug/l	98
28) Bromochloromethane	5.02	49	144105	50.69	ug/l	99
29) Tetrahydrofuran	5.15	42	415845	241.99	ug/l	99
30) Chloroform	5.21	83	294636	48.56	ug/l	97
31) Cyclohexane	5.57	56	275245	51.87	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	247233	50.59	ug/l	99
36) 1,1-Dichloropropene	5.80	75	224298	49.19	ug/l	99
37) Ethyl Acetate	4.85	43	240626	46.40	ug/l	99
38) Carbon Tetrachloride	5.79	117	211742	47.54	ug/l	99

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Quant Time: Sep 15 06:01:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	249145	52.36	ug/l	91
40) Benzene	6.14	78	684942	50.62	ug/l	95
41) Methacrylonitrile	5.06	41	135718	47.49	ug/l	98
42) 1,2-Dichloroethane	6.20	62	219132	48.83	ug/l	100
43) Isopropyl Acetate	6.46	43	358708	52.07	ug/l	100
44) Trichloroethene	7.21	130	175714	49.99	ug/l	92
45) 1,2-Dichloropropane	7.52	63	154933	47.59	ug/l	99
46) Dibromomethane	7.66	93	99377	48.32	ug/l	99
47) Bromodichloromethane	7.90	83	182025	46.80	ug/l	99
48) Methyl methacrylate	7.77	41	164499	48.25	ug/l	98
49) 1,4-Dioxane	7.76	88	77703	963.01	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1056817	217.40	ug/l	99
52) Toluene	8.79	92	383106	48.06	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	234290	51.57	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	226397	48.88	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	176509	51.43	ug/l	95
56) Ethyl methacrylate	9.18	69	270298	55.67	ug/l	97
57) 1,3-Dichloropropane	9.37	76	288457	51.72	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	563556	228.44	ug/l	97
59) 2-Hexanone	9.50	43	912397	244.69	ug/l	99
60) Dibromochloromethane	9.58	129	167554	51.85	ug/l	95
61) 1,2-Dibromoethane	9.68	107	174419	53.19	ug/l	95
64) Tetrachloroethene	9.33	164	220444	53.40	ug/l	94
65) Chlorobenzene	10.14	112	413808	50.39	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	145335	51.32	ug/l	100
67) Ethyl Benzene	10.26	91	696781	52.18	ug/l	99
68) m/p-Xylenes	10.36	106	543755	105.71	ug/l	98
69) o-Xylene	10.70	106	265403	53.67	ug/l	100
70) Styrene	10.71	104	446363	54.48	ug/l	98
71) Bromoform	10.86	173	119430	51.36	ug/l #	99
73) Isopropylbenzene	11.02	105	706742	54.37	ug/l	100
74) N-amyl acetate	10.90	43	289551	52.92	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	210314	50.16	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	200818m	50.57	ug/l	
77) Bromobenzene	11.26	156	187138	52.08	ug/l	100
78) n-propylbenzene	11.36	91	802312	53.68	ug/l	100
79) 2-Chlorotoluene	11.42	91	475100	52.41	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	591573	54.13	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	64960	52.14	ug/l	93
82) 4-Chlorotoluene	11.51	91	550392	52.02	ug/l	99
83) tert-Butylbenzene	11.77	119	576919	55.45	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	610345	54.70	ug/l	99
85) sec-Butylbenzene	11.94	105	747433	56.38	ug/l	98
86) p-Isopropyltoluene	12.07	119	657205	56.13	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	342745	51.13	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	346286	49.99	ug/l	99
89) n-Butylbenzene	12.39	91	555993	52.11	ug/l	98
90) Hexachloroethane	12.60	117	97465	52.00	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	349640	51.53	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	48874	54.59	ug/l	99

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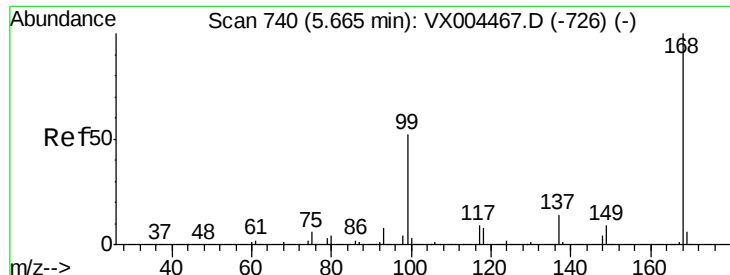
Manual Integrations
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Quant Time: Sep 15 06:01:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	293533	61.10	ug/l	95
94) Hexachlorobutadiene	13.79	225	140374	55.93	ug/l	96
95) Naphthalene	13.83	128	797682	59.20	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	271959	55.10	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 284507

Ion Ratio Lower Upper

168 100

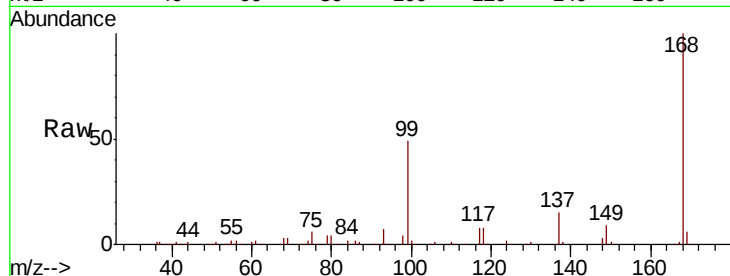
99 48.9 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

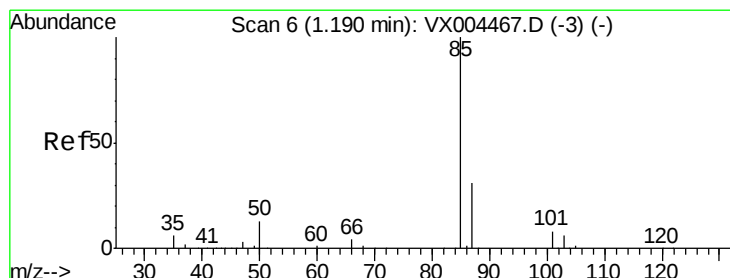
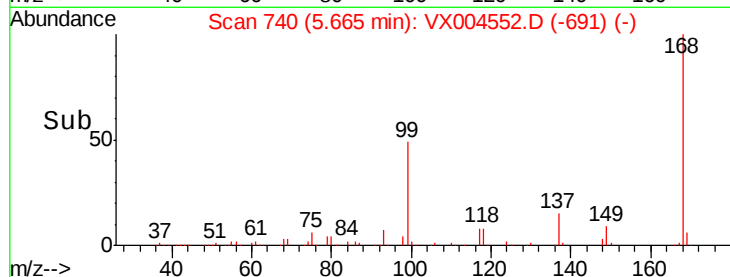
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.90 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004552.D

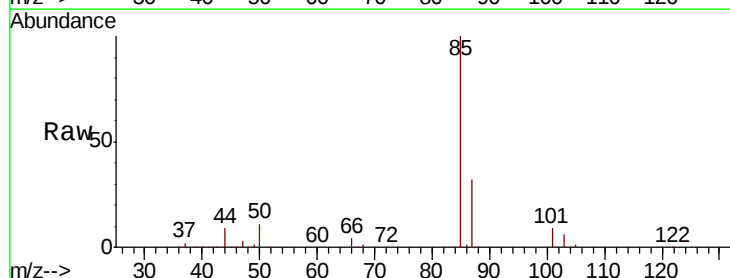
Acq: 14 Sep 2018 20:40

Tgt Ion: 85 Resp: 130394

Ion Ratio Lower Upper

85 100

87 31.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

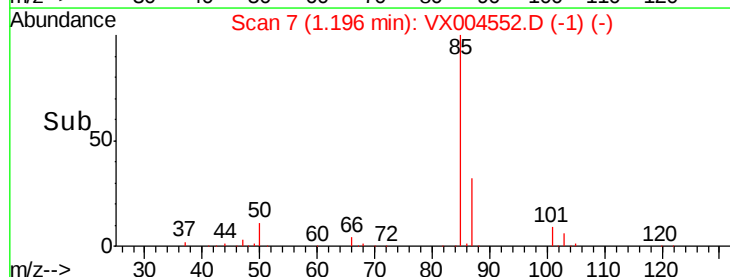
100000

50000

0

Time-->

1.15 1.20 1.25 1.30 1.35





#3

Chloromethane

Concen: 43.73 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 160481

Ion Ratio Lower Upper

50 100

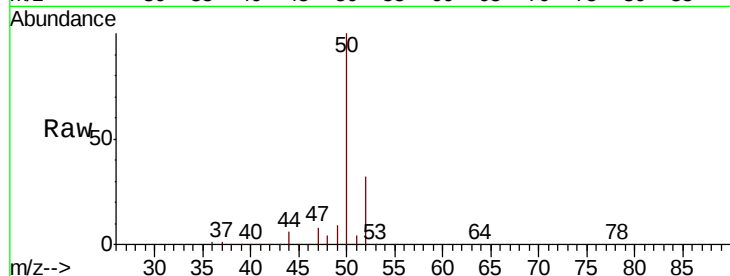
52 32.5 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

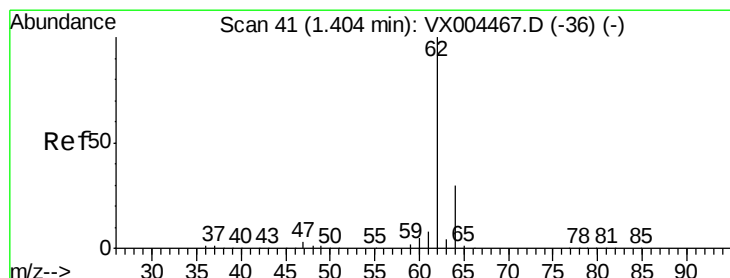
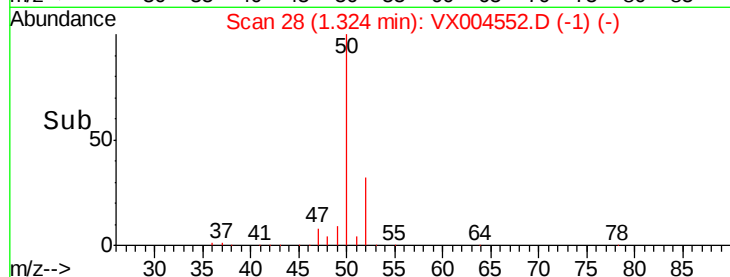
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 47.16 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004552.D

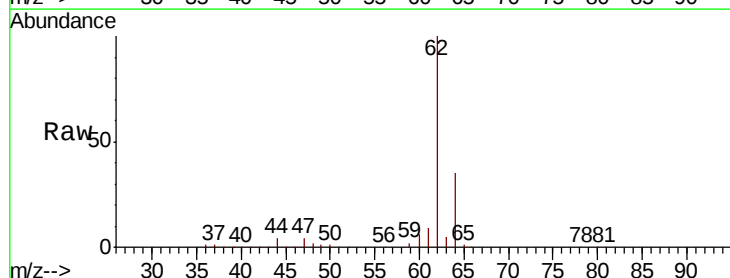
Acq: 14 Sep 2018 20:40

Tgt Ion: 62 Resp: 177605

Ion Ratio Lower Upper

62 100

64 34.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

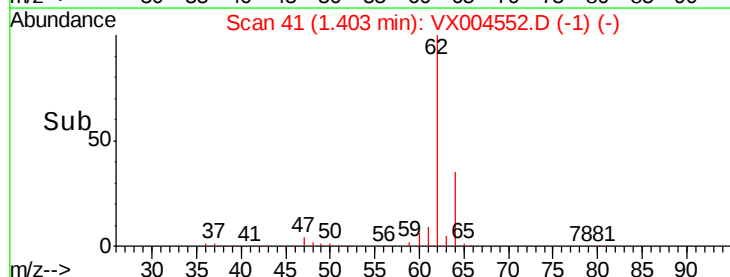
150000

100000

50000

0

Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 41.87 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 66329

Ion Ratio Lower Upper

94 100

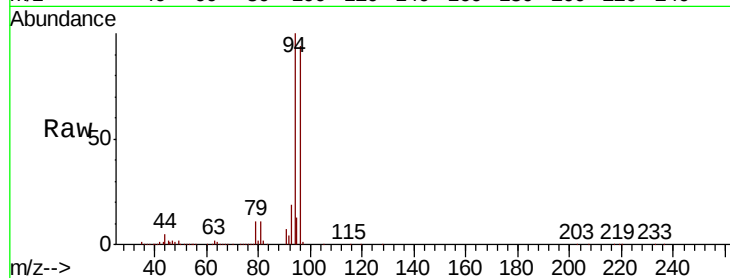
96 94.0 74.5 111.7

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

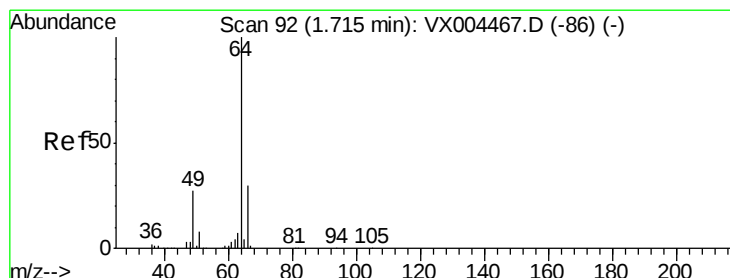
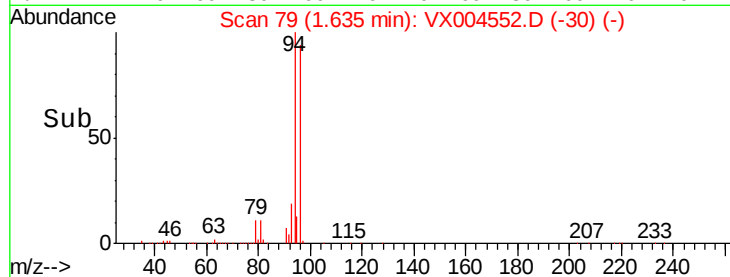
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 49.18 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004552.D

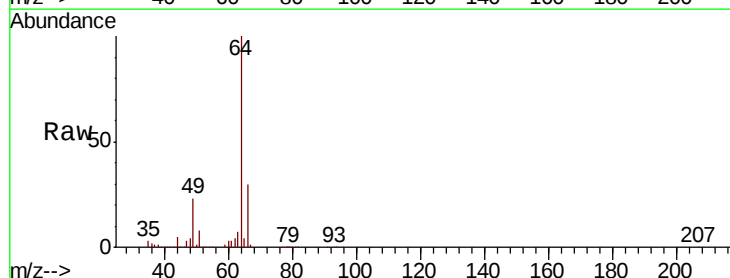
Acq: 14 Sep 2018 20:40

Tgt Ion: 64 Resp: 119790

Ion Ratio Lower Upper

64 100

66 29.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

80000

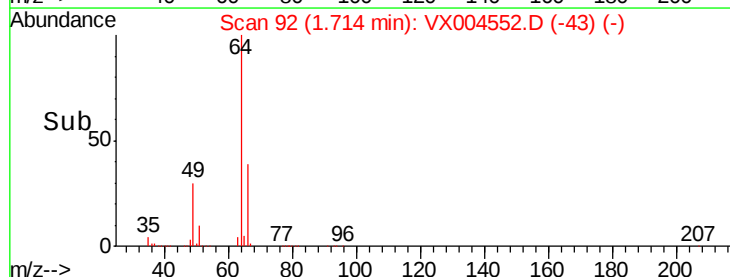
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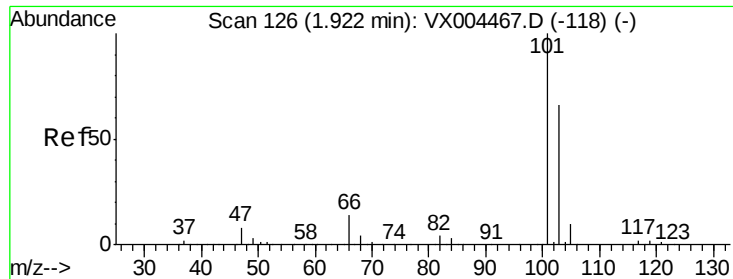
40000

20000

0

Time-->





#7

Trichlorofluoromethane

Concen: 47.95 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 239419

Ion Ratio Lower Upper

101 100

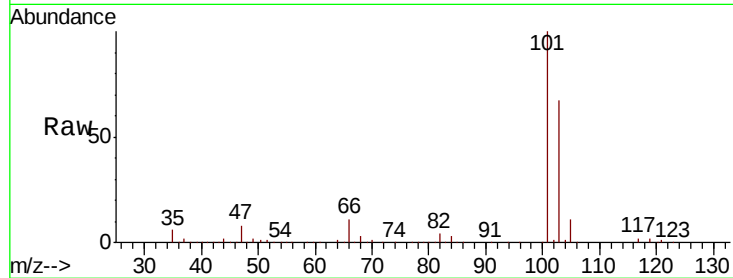
103 66.5 48.9 73.3

Manual Integrations

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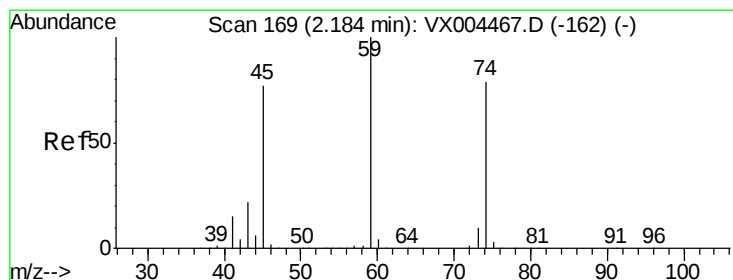
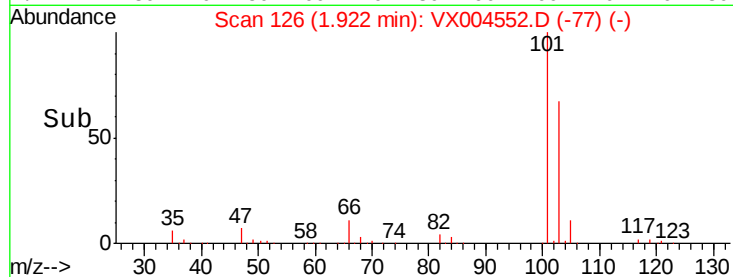
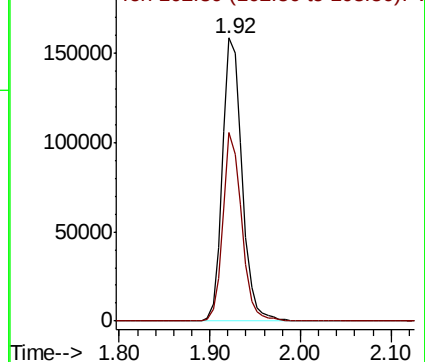
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 50.00 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.00 min

Lab File: VX004552.D

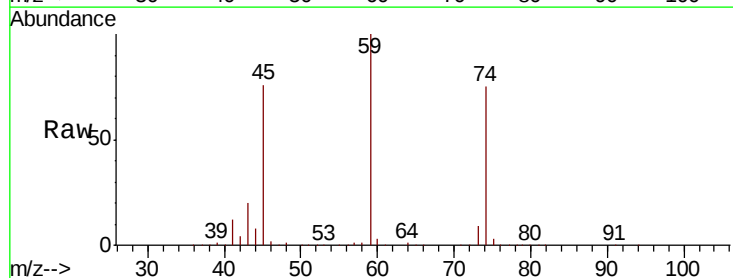
Acq: 14 Sep 2018 20:40

Tgt Ion: 74 Resp: 111924

Ion Ratio Lower Upper

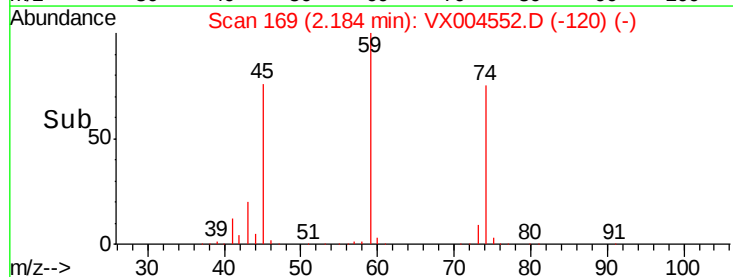
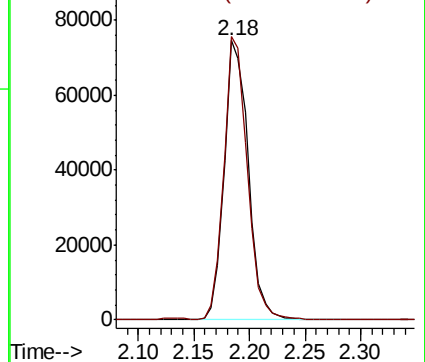
74 100

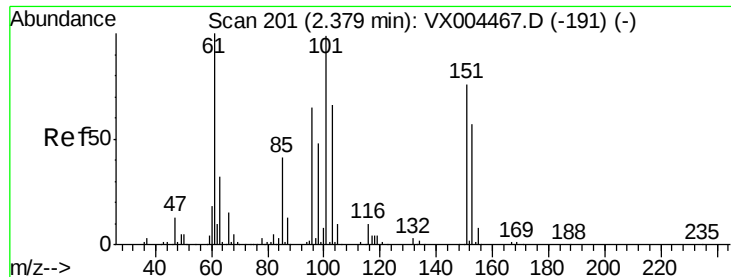
45 98.1 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.41 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

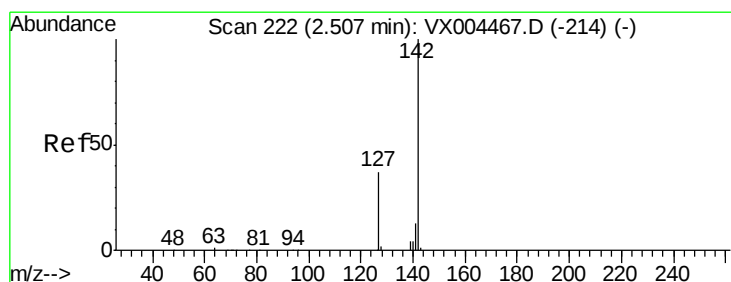
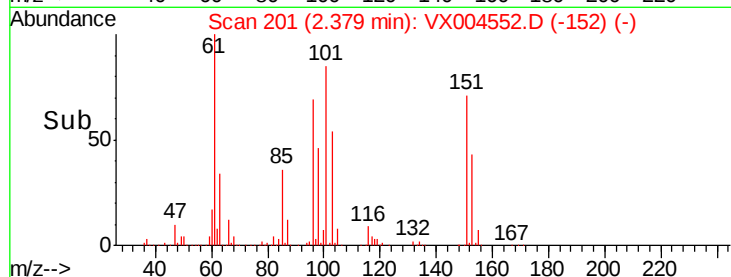
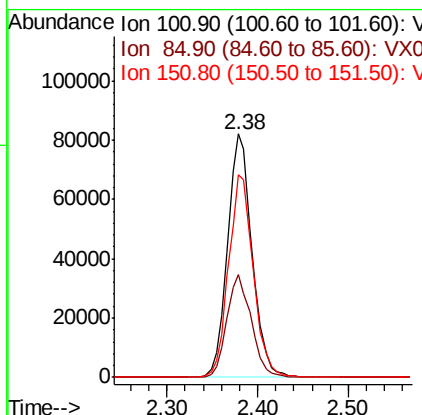
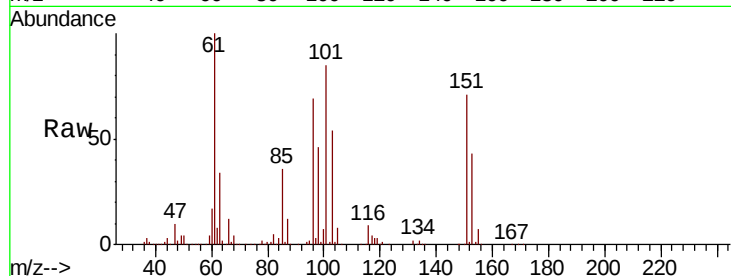
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	153321
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	83.9	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 39.16 ug/l

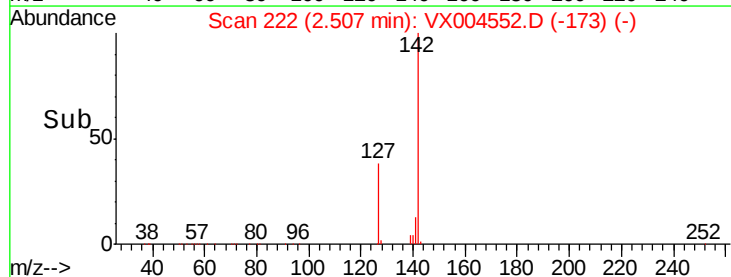
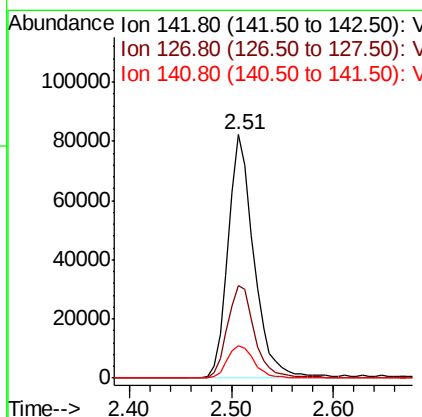
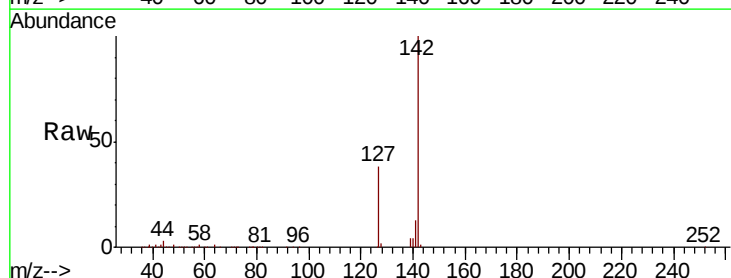
RT: 2.51 min Scan# 222

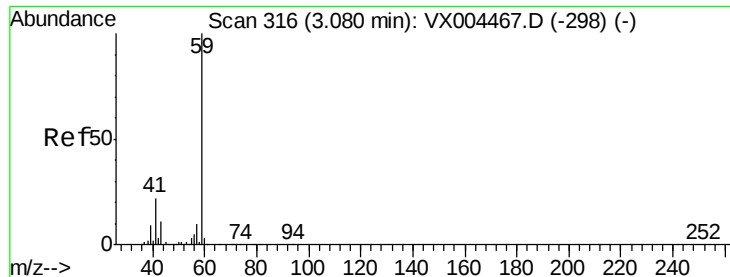
Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Tgt Ion:	142	Resp:	144466
Ion Ratio	Lower	Upper	
142	100		
127	40.0	33.8	50.6
141	14.0	11.4	17.0





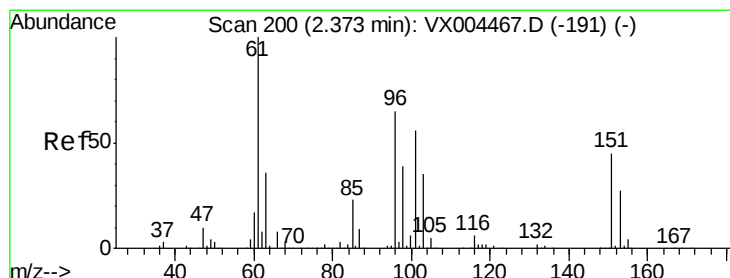
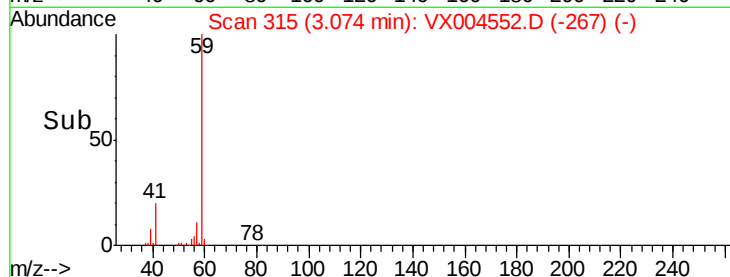
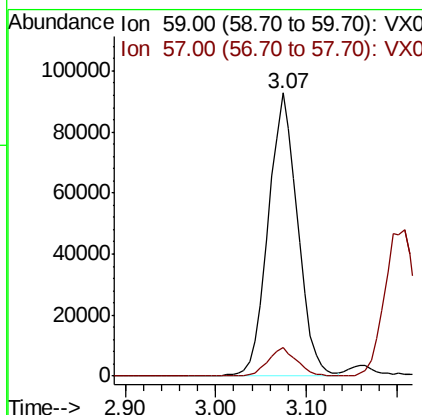
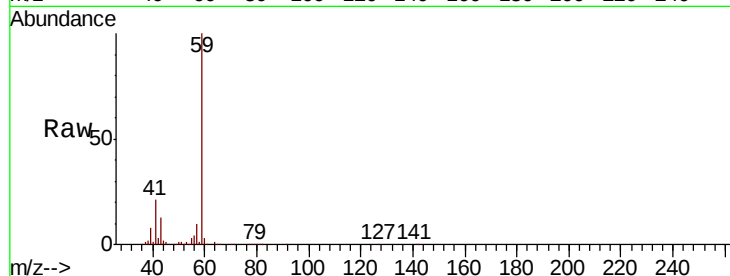
#11
Tert butyl alcohol
Concen: 237.68 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

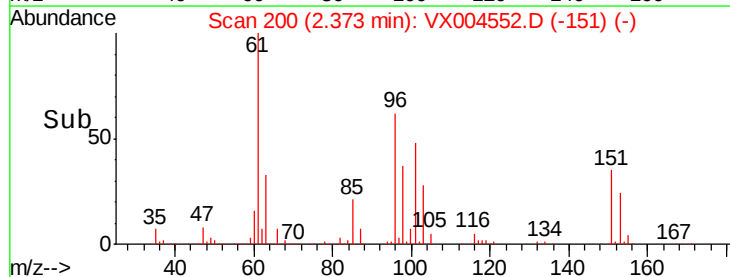
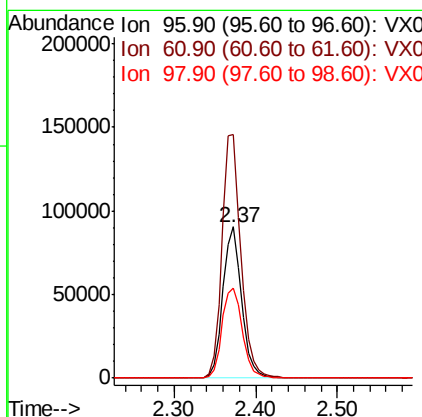
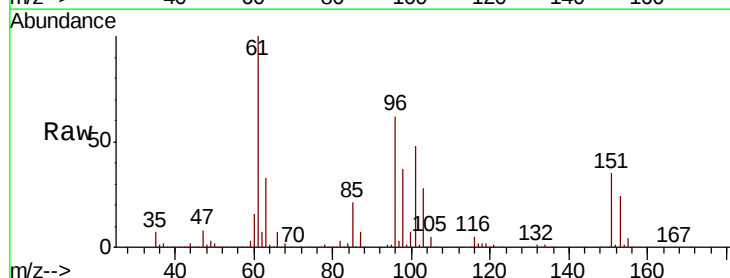
Manual Integrations
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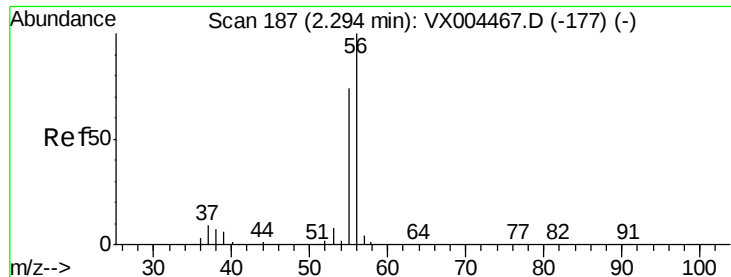
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.66 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.1	128.8	193.2
98	59.6	52.2	78.2





#13

Acrolein

Concen: 230.87 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 79774

Ion Ratio Lower Upper

56 100

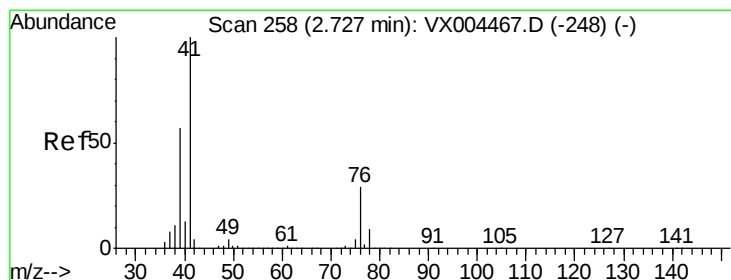
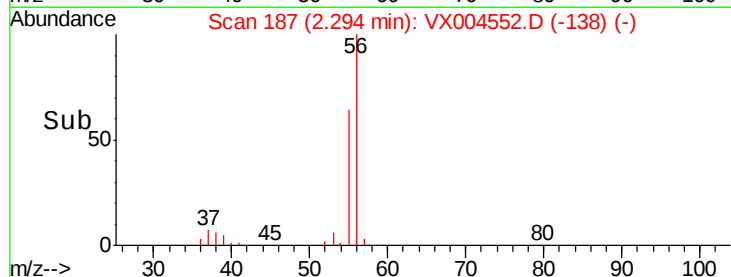
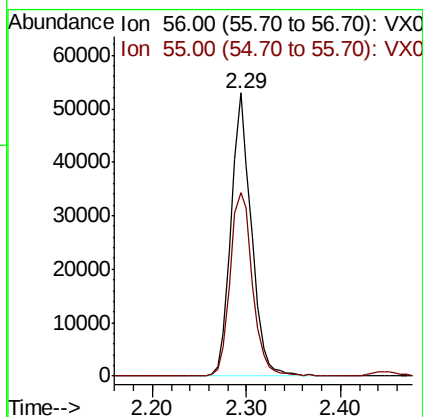
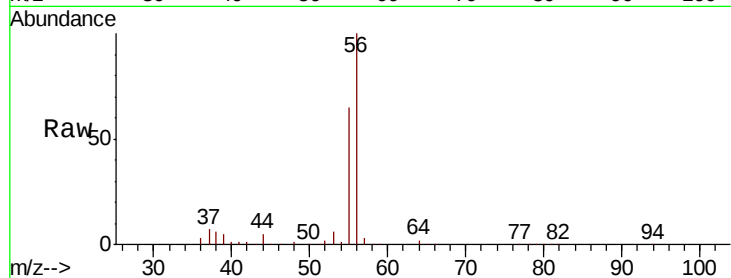
55 71.2 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 47.26 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

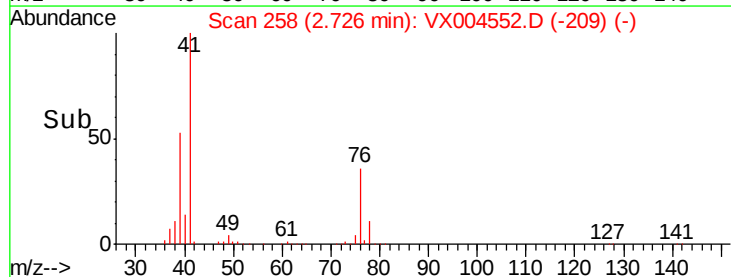
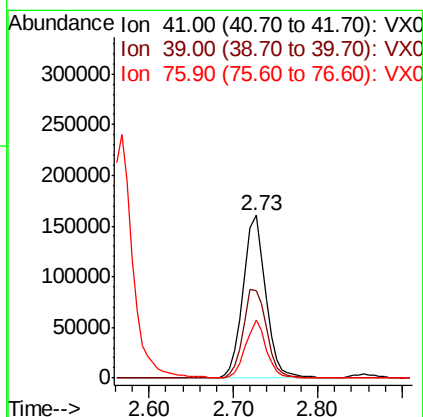
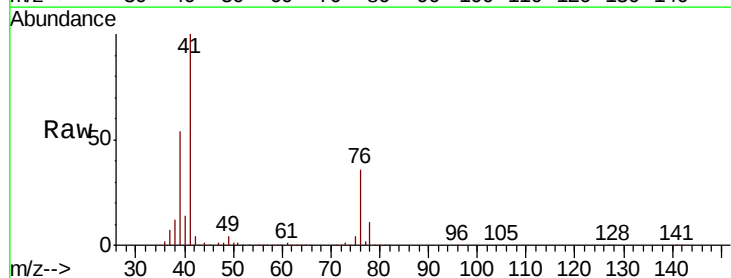
Tgt Ion: 41 Resp: 288862

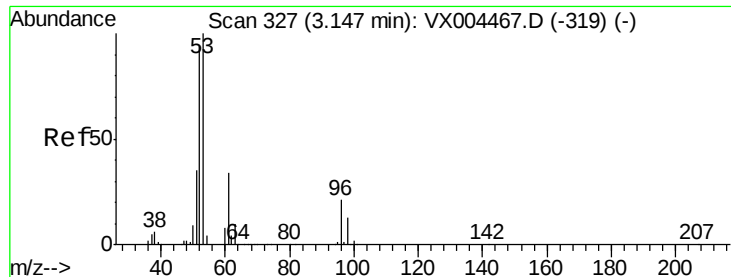
Ion Ratio Lower Upper

41 100

39 56.3 48.9 73.3

76 32.8 26.7 40.1





#15

Acrylonitrile

Concen: 235.65 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

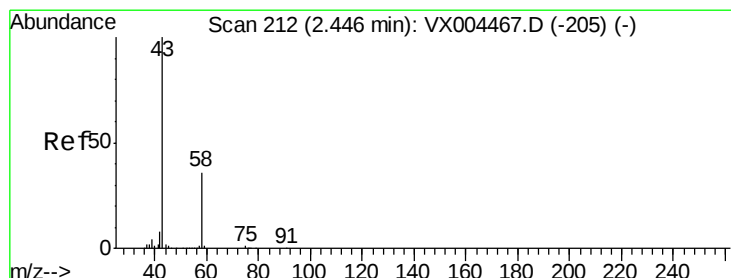
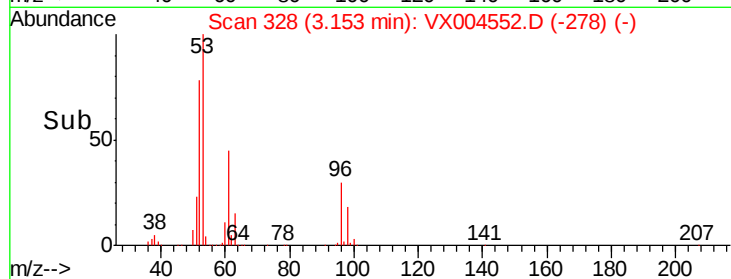
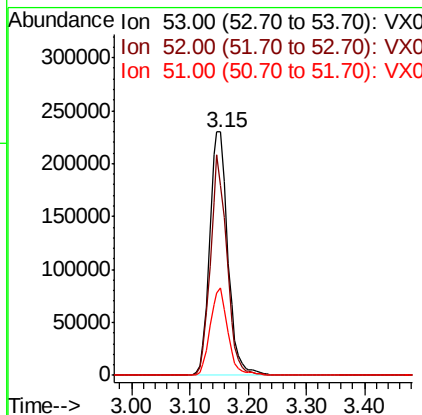
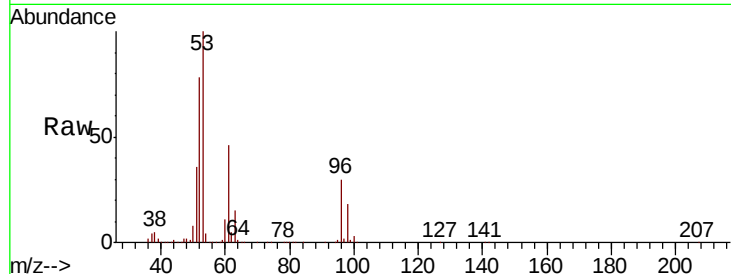
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	496732
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.2	97.8
51	34.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 216.90 ug/l

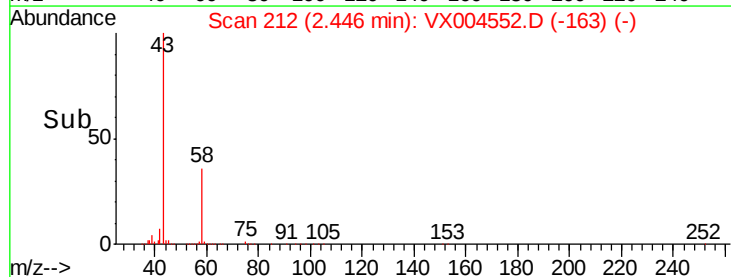
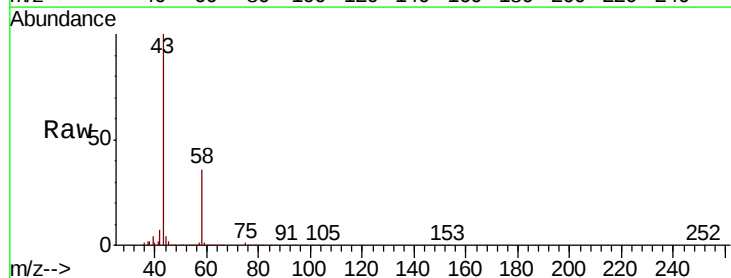
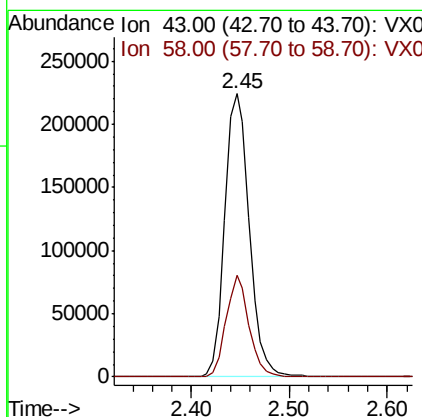
RT: 2.45 min Scan# 212

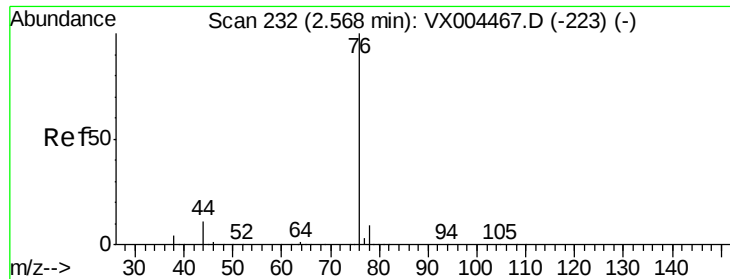
Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Tgt Ion:	43	Resp:	388349
Ion Ratio	Lower	Upper	
43	100		
58	35.8	26.2	39.4





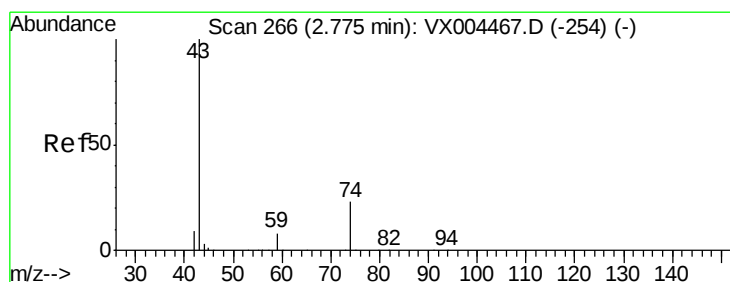
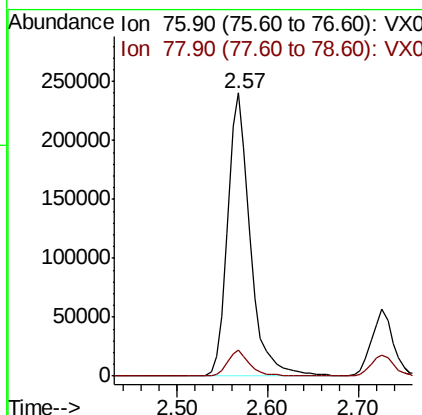
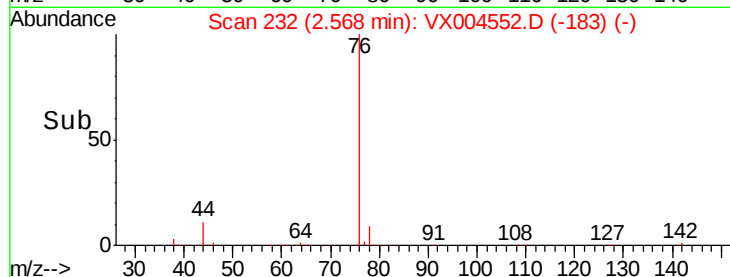
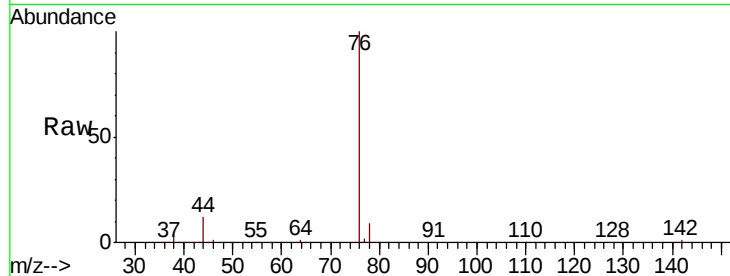
#17
Carbon Disulfide
Concen: 48.32 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 415164
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

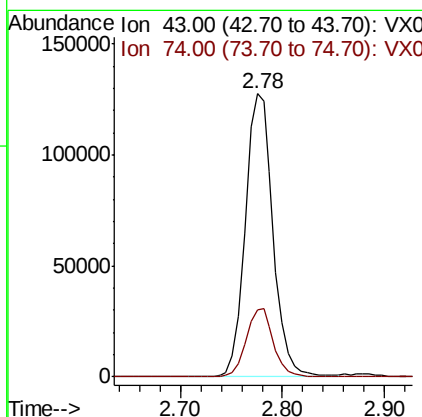
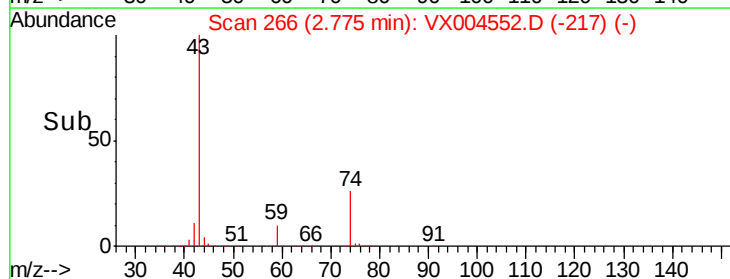
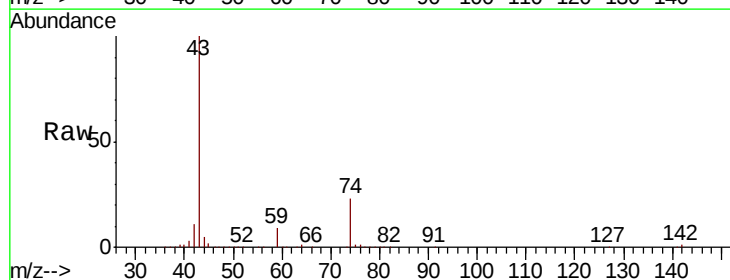
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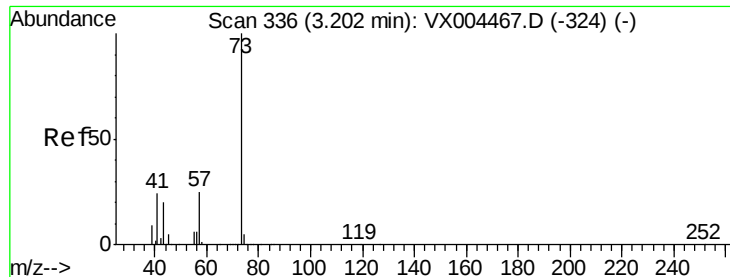
MMDadoda
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#18
Methyl Acetate
Concen: 47.74 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion: 43 Resp: 239790
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.2





#19

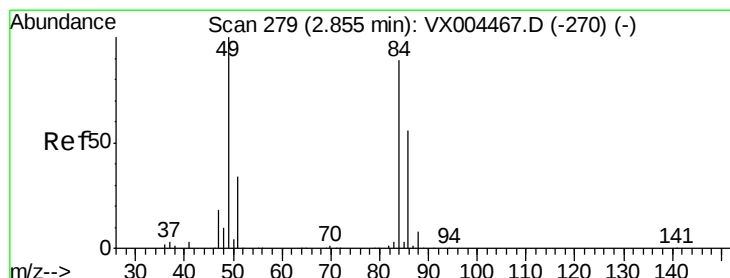
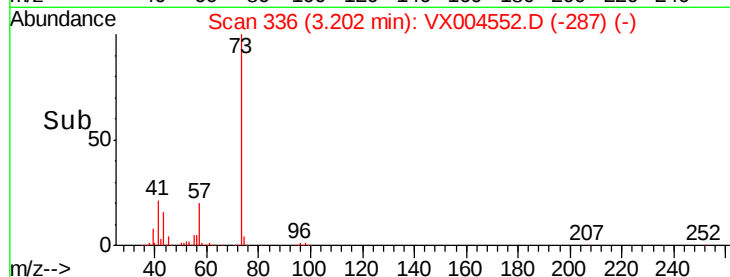
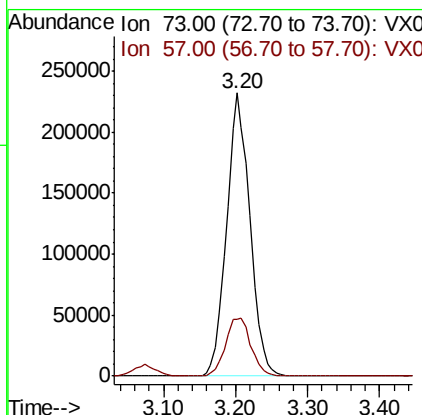
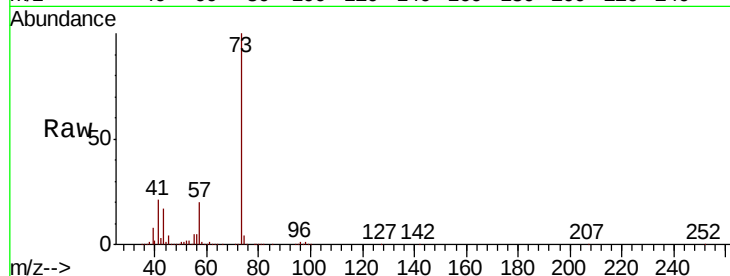
Methyl tert-butyl Ether
 Concen: 50.12 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	17.1	25.7

Manual Integrations
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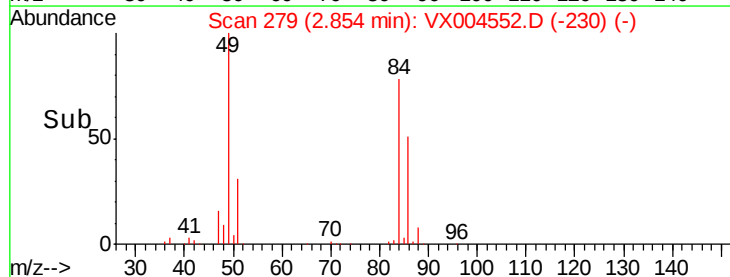
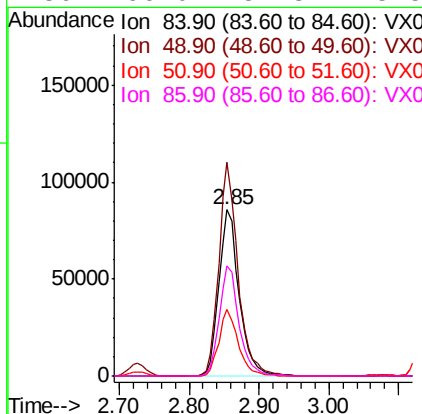
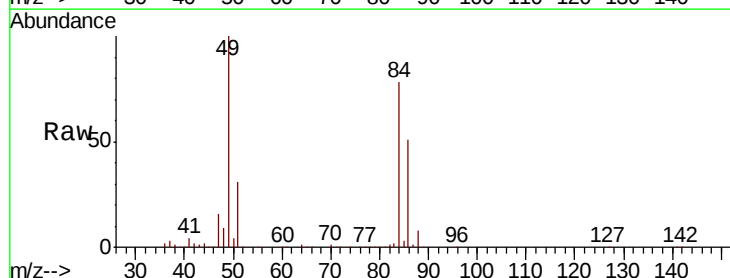
MMDadoda
 9/17/2018 5:09:27 PM

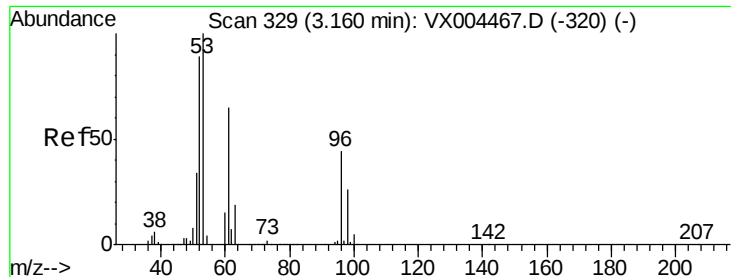


#20

Methylene Chloride
 Concen: 46.98 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.4	101.2	151.8
51	39.7	29.5	44.3
86	66.0	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 49.43 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

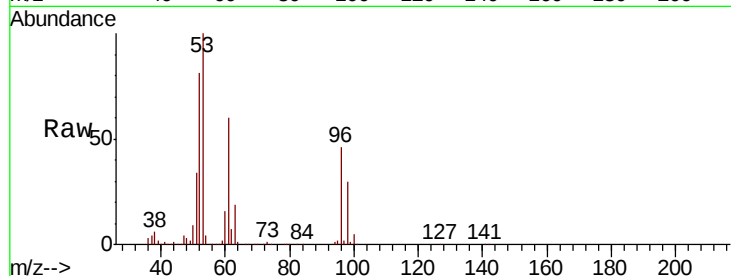
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	162386
Ion	Ratio	Lower	Upper
96	100		
61	129.5	113.8	170.6
98	64.5	51.8	77.8

Manual Integrations
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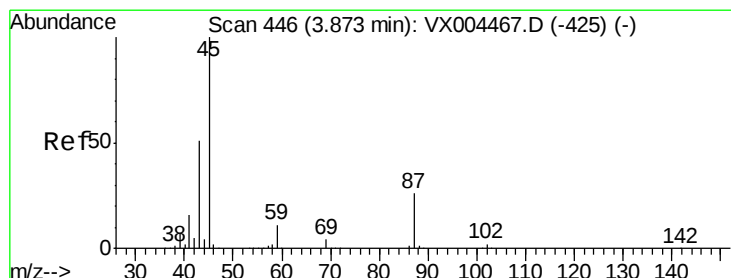
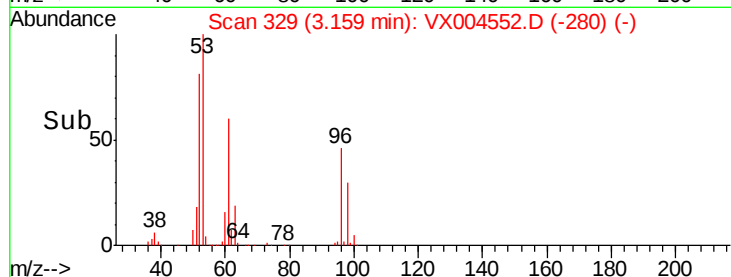
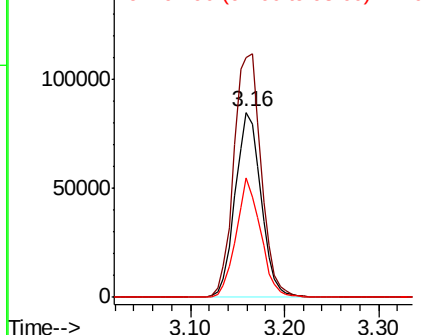


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 48.99 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Tgt Ion:	45	Resp:	539288
Ion	Ratio	Lower	Upper
45	100		
43	54.9	42.8	64.2
87	26.9	22.6	34.0
59	12.0	9.6	14.4

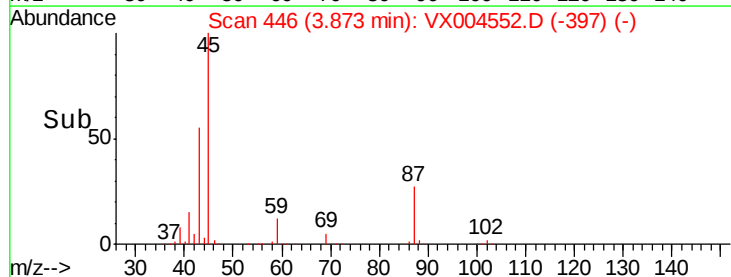
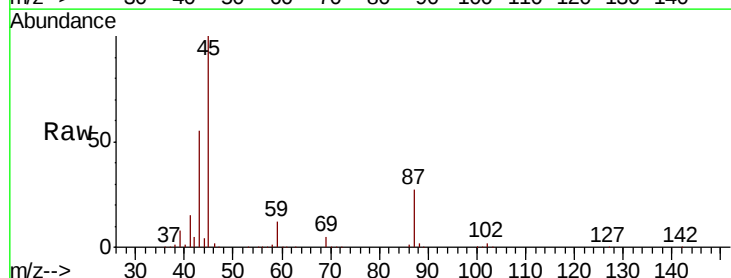
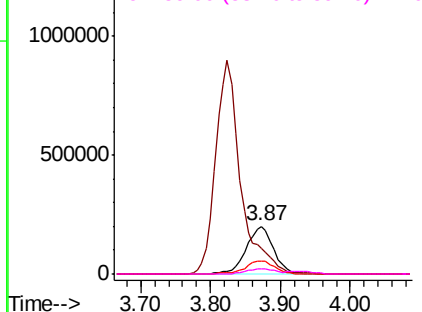
Abundance

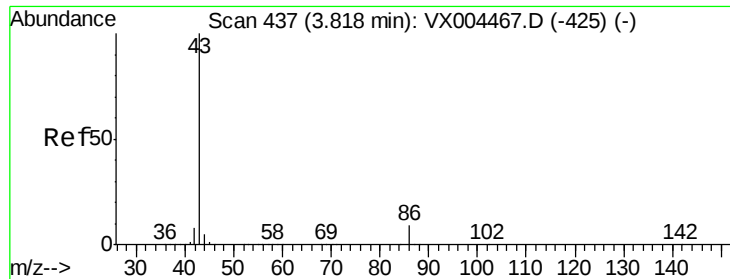
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 250.69 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2233038

Ion Ratio Lower Upper

43 100

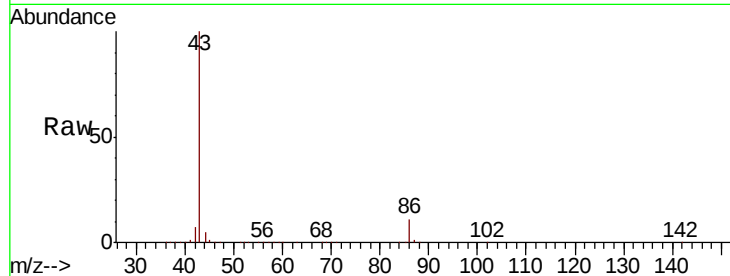
86 10.8 8.9 13.3

Manual Integrations

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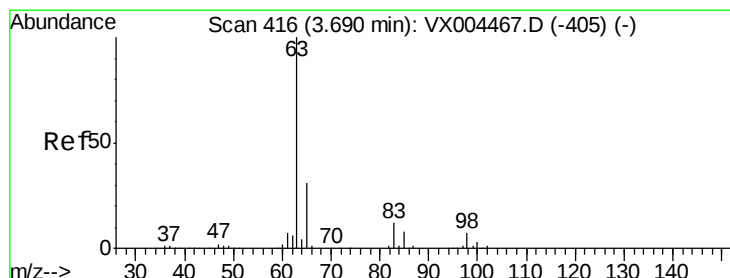
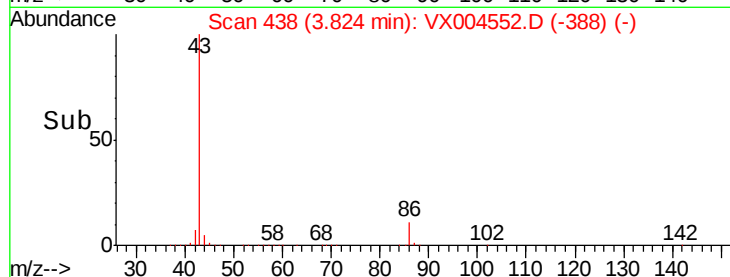
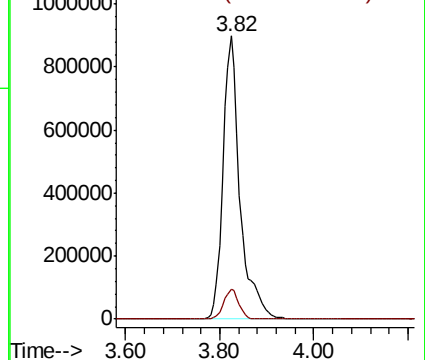
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.28 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

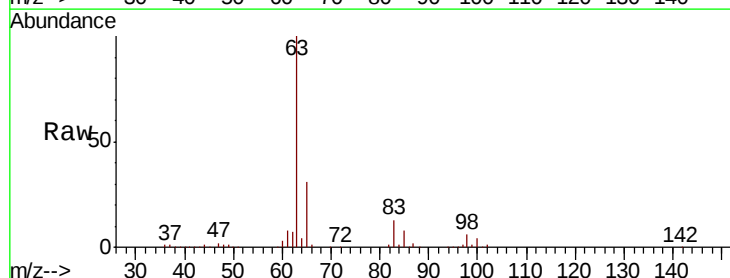
Tgt Ion: 63 Resp: 300060

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

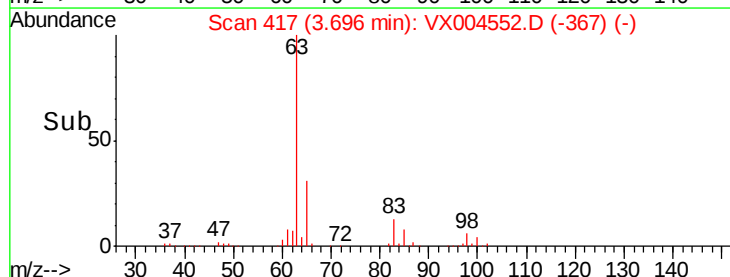
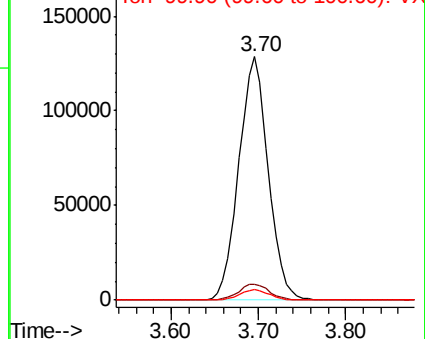
100 4.3 2.4 7.1

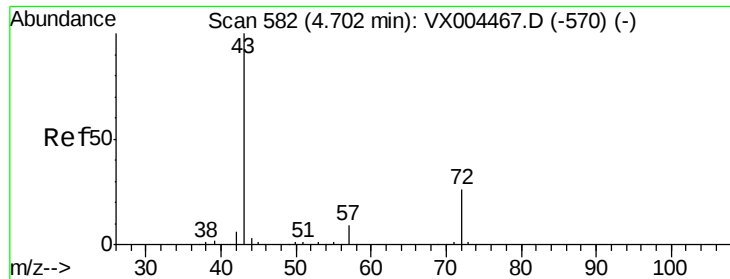


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 223.79 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 637720

Ion Ratio Lower Upper

43 100

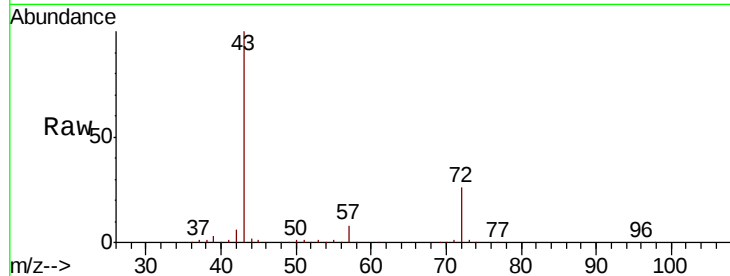
72 25.7 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

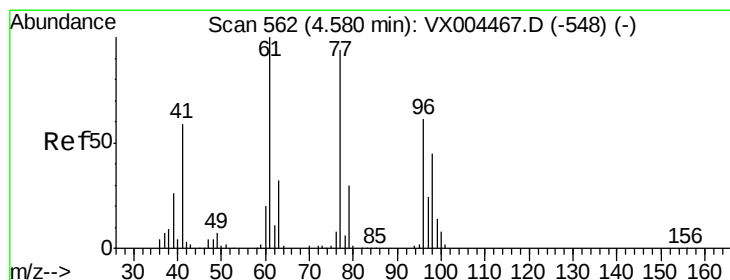
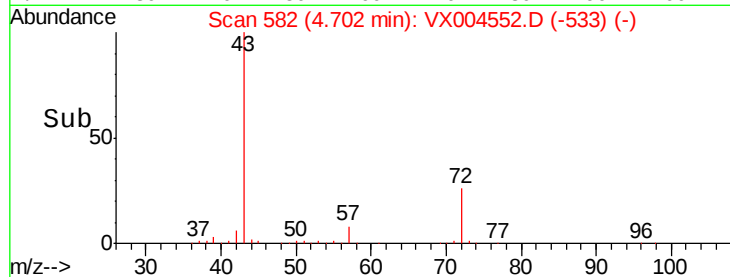
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 46.93 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004552.D

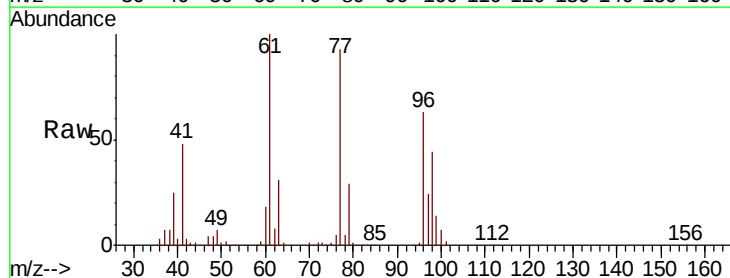
Acq: 14 Sep 2018 20:40

Tgt Ion: 77 Resp: 200336

Ion Ratio Lower Upper

77 100

97 24.9 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

40000

20000

0

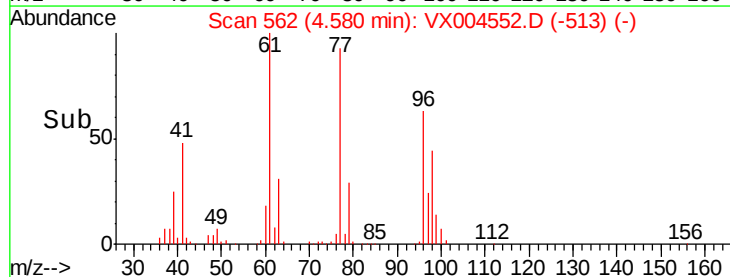
4.40

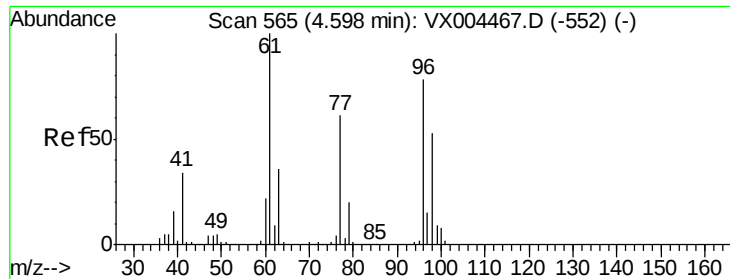
4.50

4.60

4.70

Time-->





#27

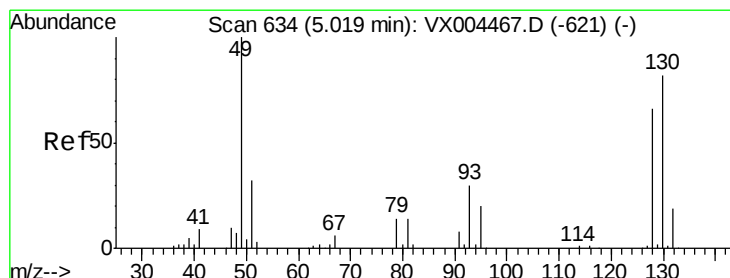
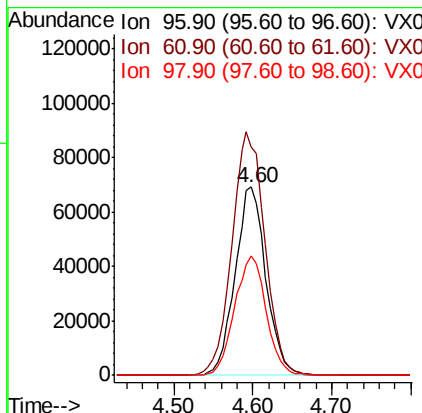
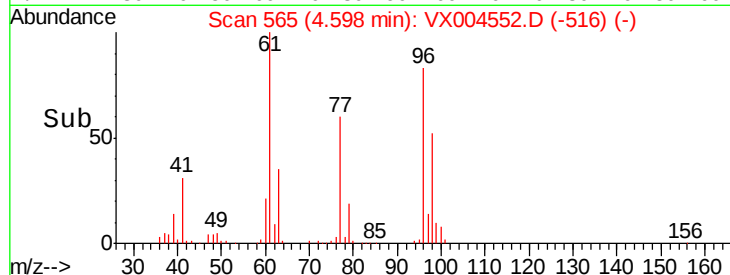
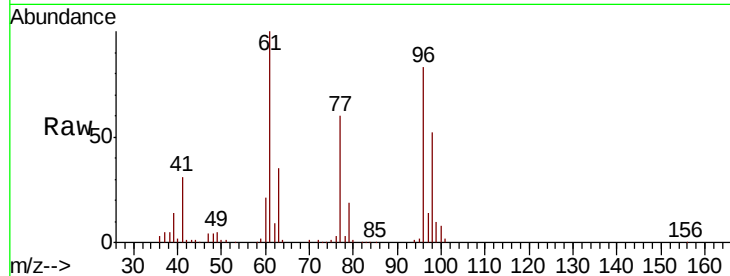
cis-1,2-Dichloroethene
 Concen: 51.20 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	282.6
98	65.0	0.0	130.2

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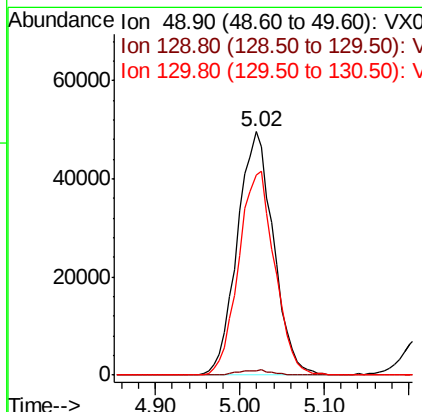
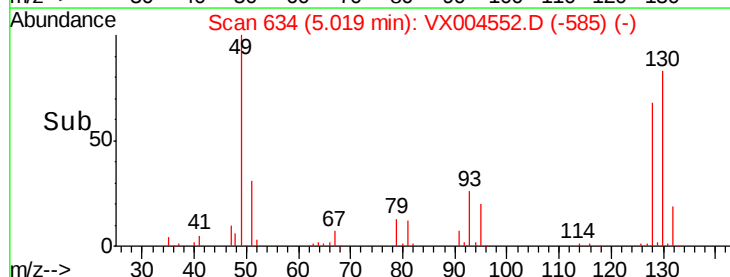
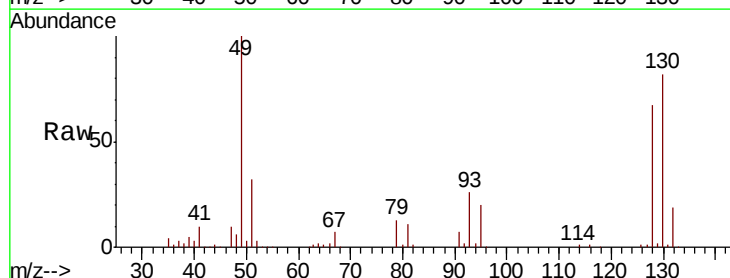
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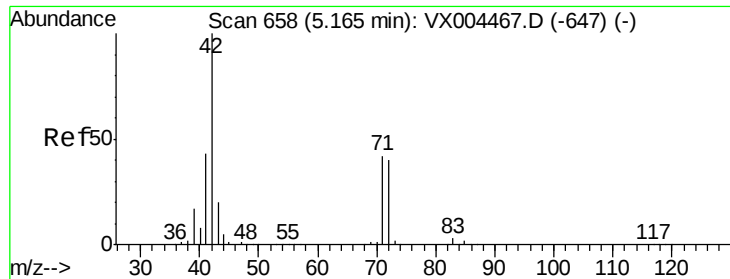


#28

Bromochloromethane
 Concen: 50.69 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.4	67.5	101.3





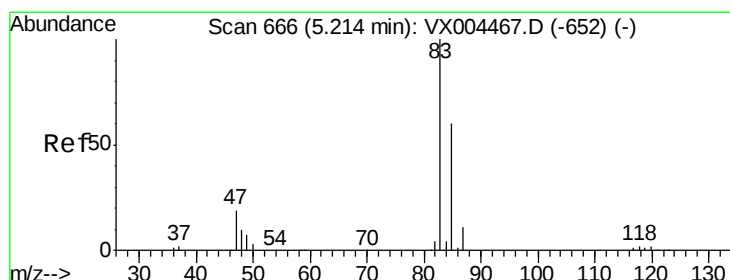
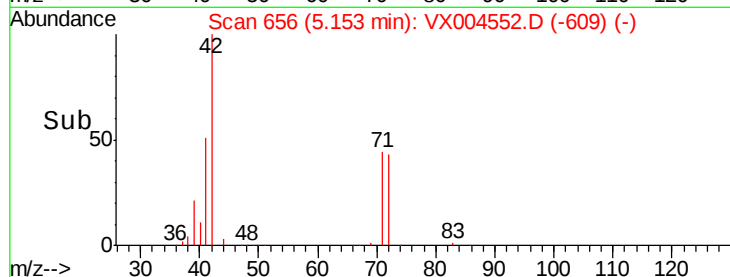
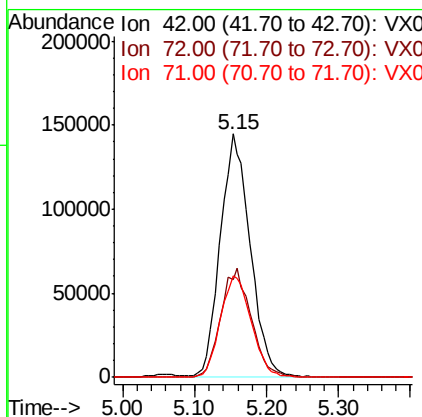
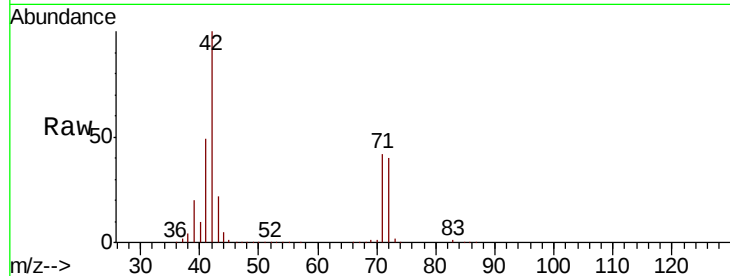
#29
Tetrahydrofuran
Concen: 241.99 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	37.4	56.0
71	43.2	34.5	51.7

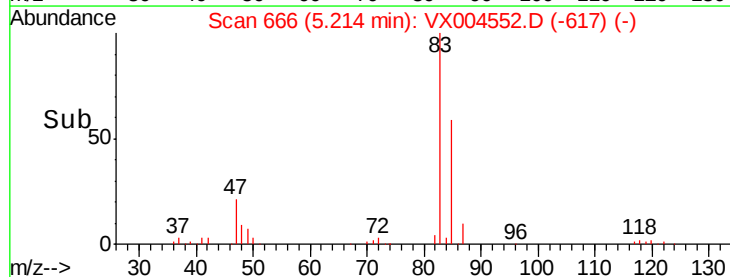
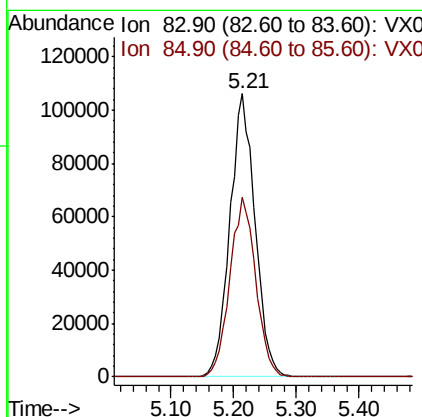
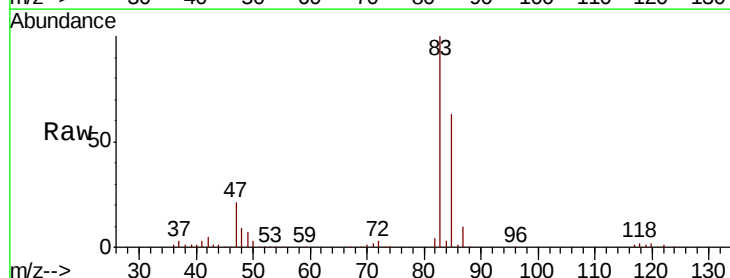
Manual Integrations
APPROVED

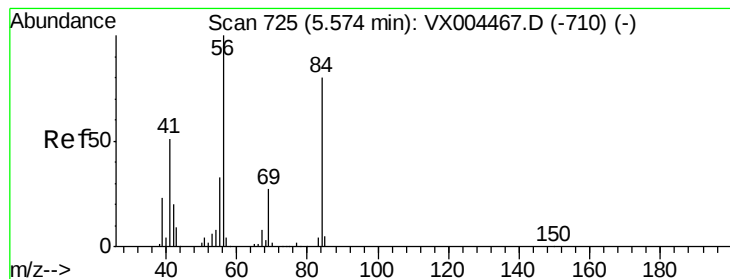
MMDadoda
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#30
Chloroform
Concen: 48.56 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.6	79.0





#31

Cyclohexane

Concen: 51.87 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

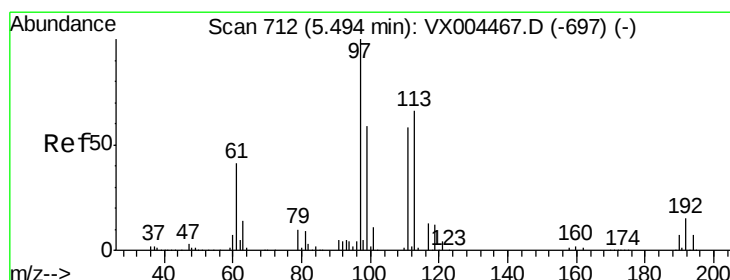
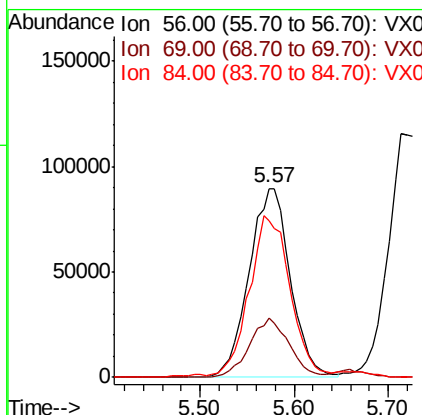
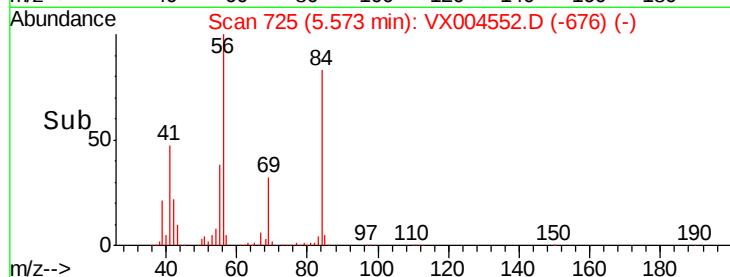
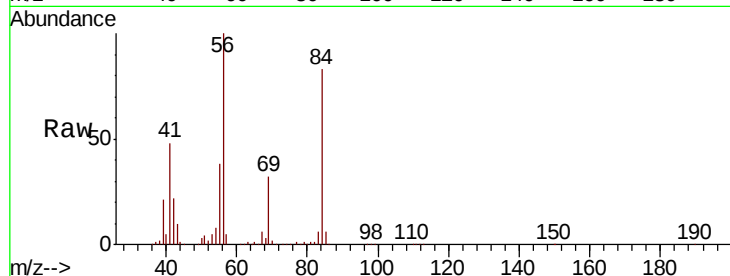
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	275245
Ion	Ratio	Lower	Upper
56	100		
69	31.5	25.4	38.2
84	81.5	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.59 ug/l

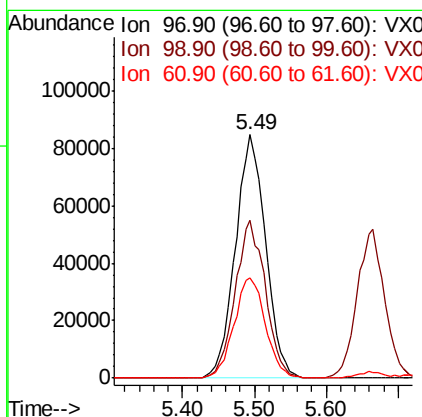
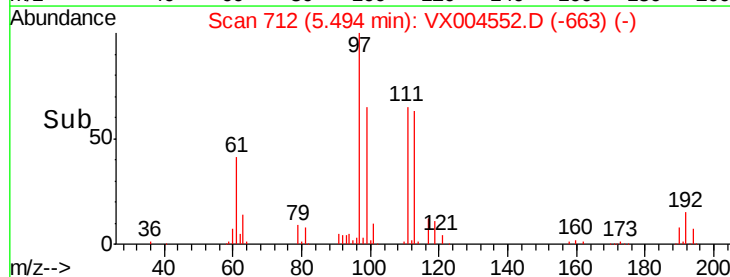
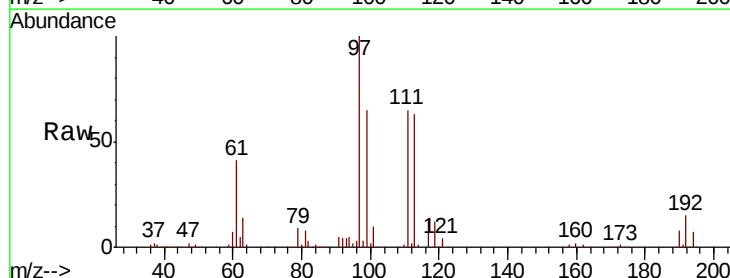
RT: 5.49 min Scan# 712

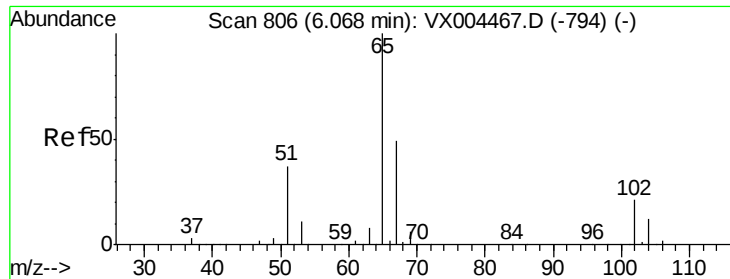
Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Tgt Ion:	97	Resp:	247233
Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	42.5	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 49.53 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Tot Ion: 65 Resp: 181700

Ion Ratio Lower Upper

65 100

67 54.6 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

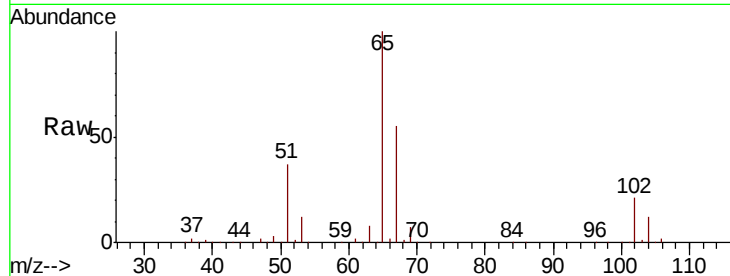
VSTDCCC050EC

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX004467.D (-794) (-)

Ion 66.90 (66.60 to 67.60): VX004467.D (-794) (-)

6.06

80000

60000

40000

20000

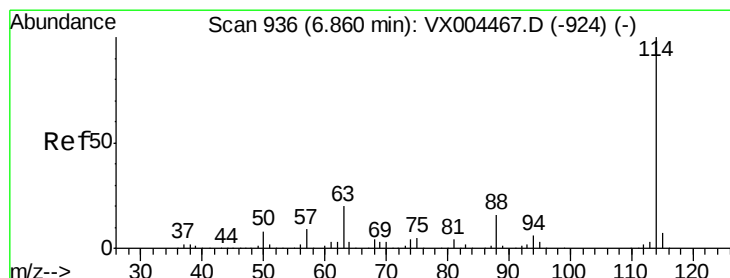
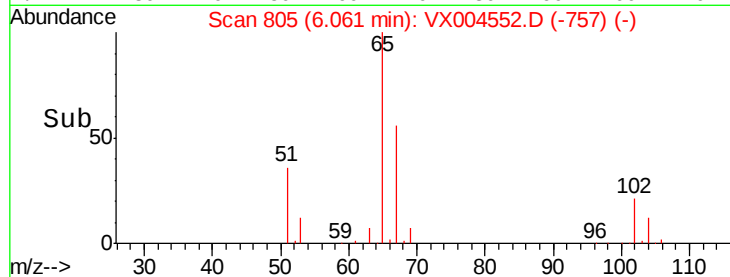
0

Time-->

6.00

6.10

6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

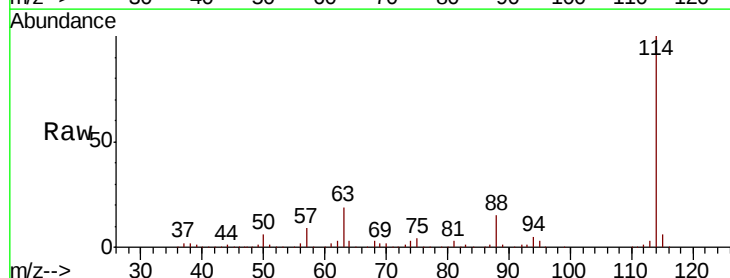
Tgt Ion: 114 Resp: 375609

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.0

88 14.9 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VX004467.D (-924) (-)

Ion 63.00 (62.70 to 63.70): VX004467.D (-924) (-)

Ion 87.90 (87.60 to 88.60): VX004467.D (-924) (-)

6.86

200000

150000

100000

50000

0

Time-->

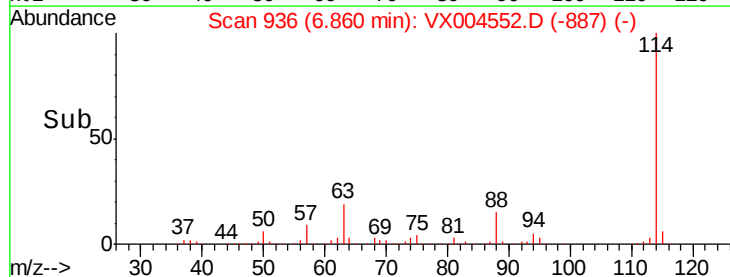
6.70

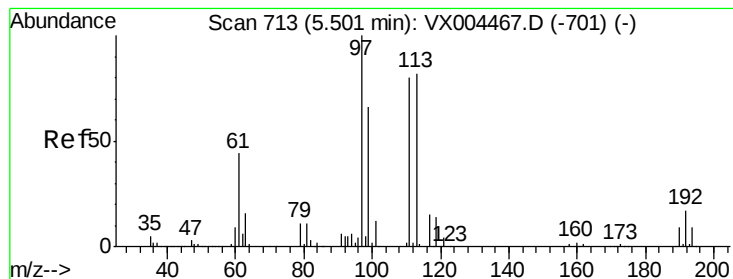
6.80

6.90

7.00

7.10





#35

Dibromofluoromethane

Concen: 45.83 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

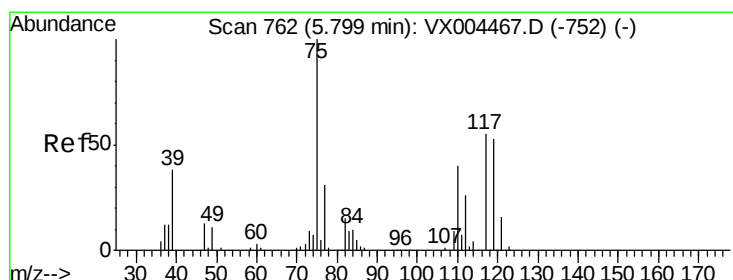
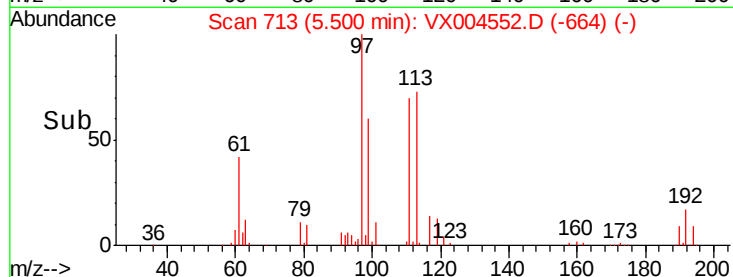
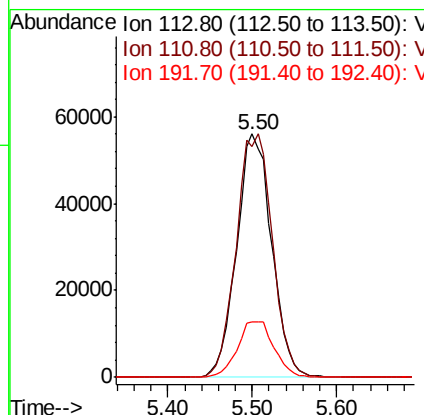
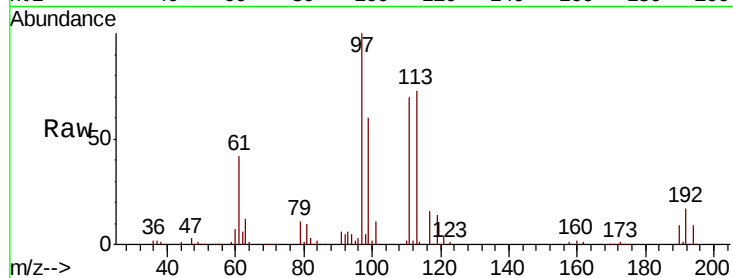
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	157537
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.4	123.6
192	23.9	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 49.19 ug/l

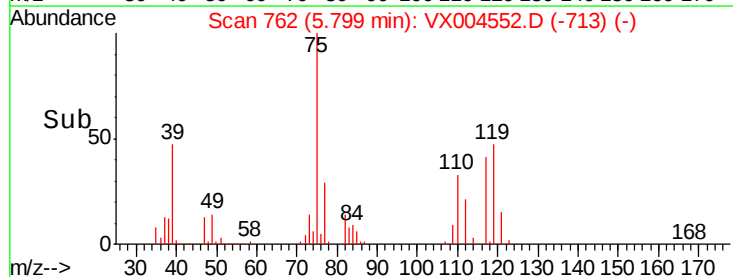
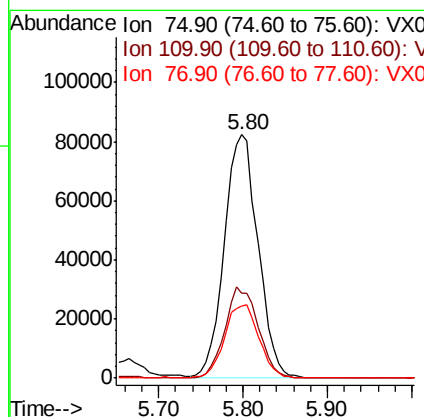
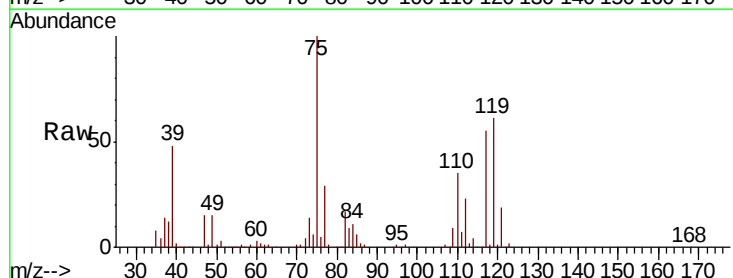
RT: 5.80 min Scan# 762

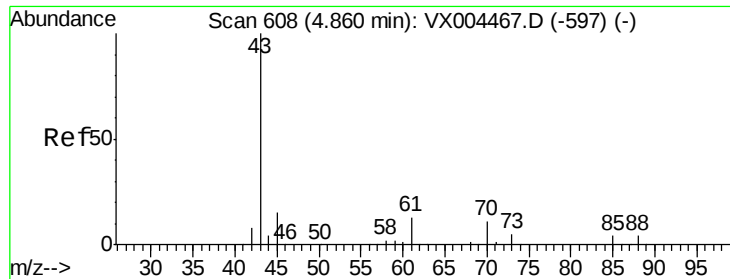
Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Tgt Ion:	75	Resp:	224298
Ion Ratio	Lower	Upper	
75	100		
110	37.1	18.0	54.0
77	30.8	24.6	36.8





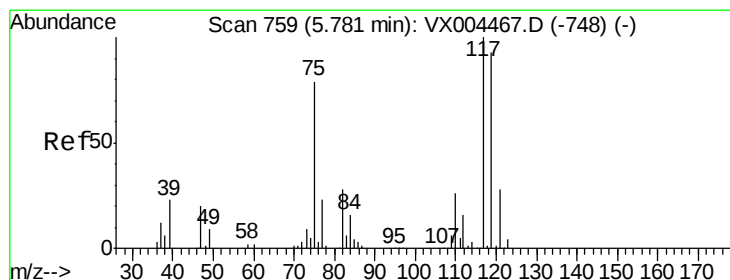
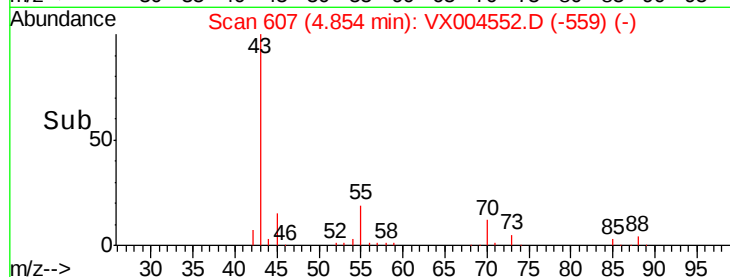
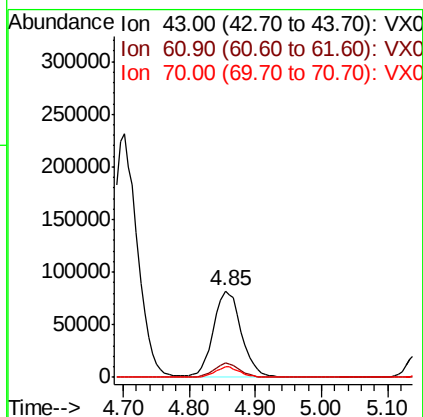
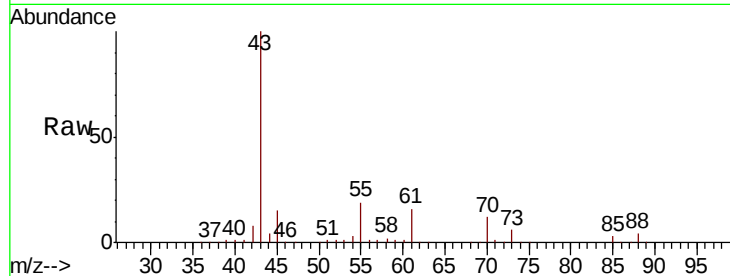
#37
Ethyl Acetate
Concen: 46.40 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	240626
Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.5	17.3
70	11.2	9.0	13.6

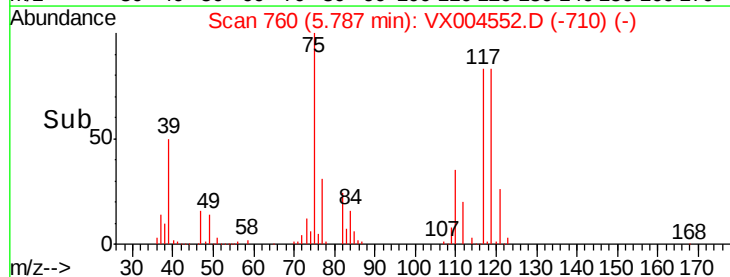
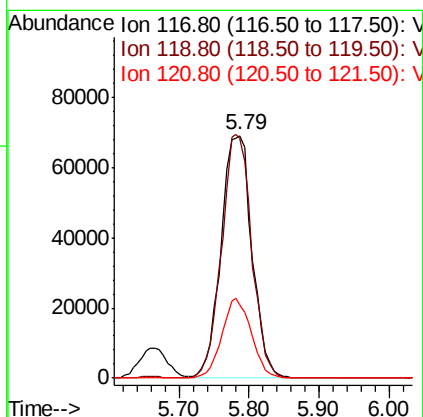
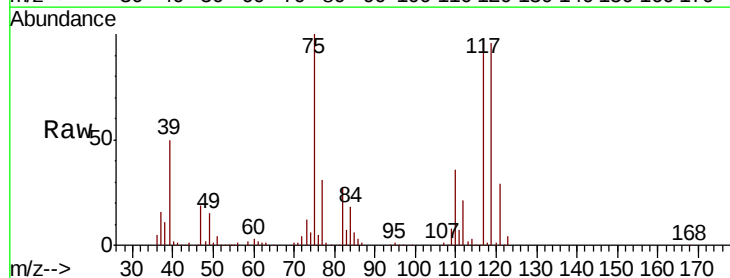
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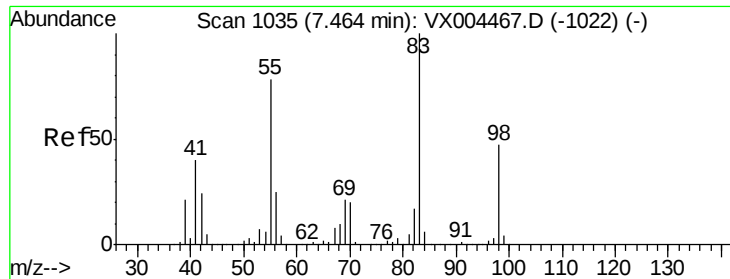
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#38
Carbon Tetrachloride
Concen: 47.54 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion:	117	Resp:	211742
Ion	Ratio	Lower	Upper
117	100		
119	99.0	78.8	118.2
121	30.4	24.9	37.3





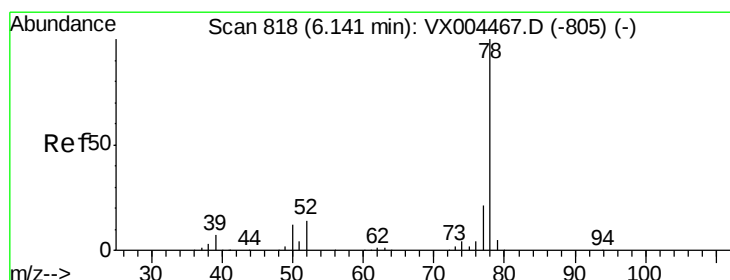
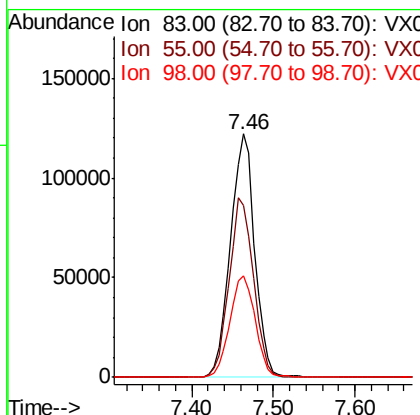
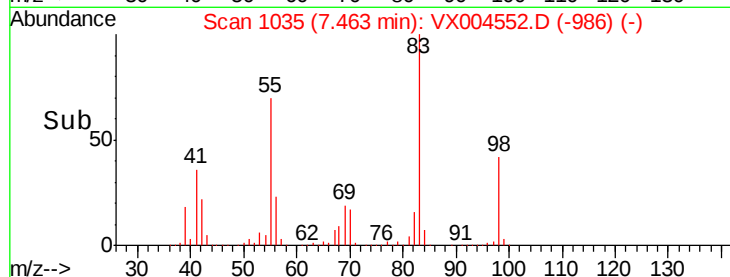
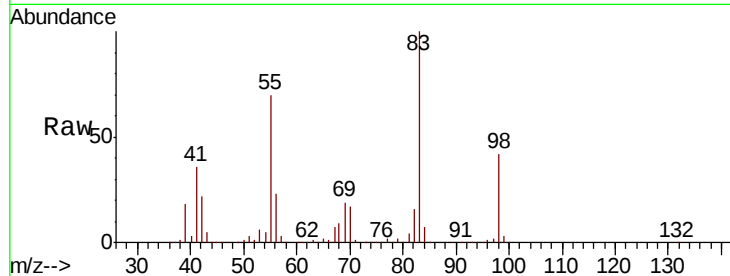
#39
Methvlcvclohexane
Concen: 52.36 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.4	61.0	91.4
98	41.8	39.6	59.4

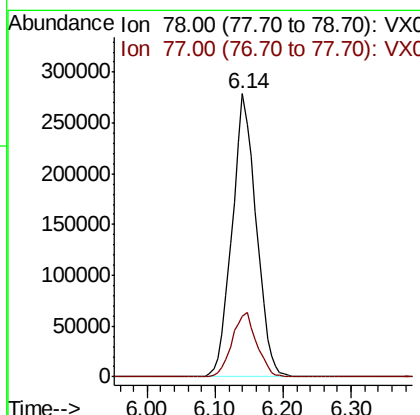
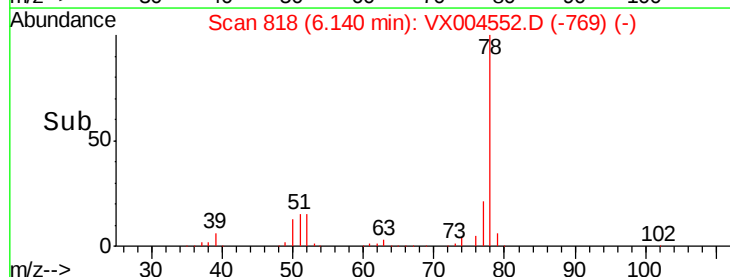
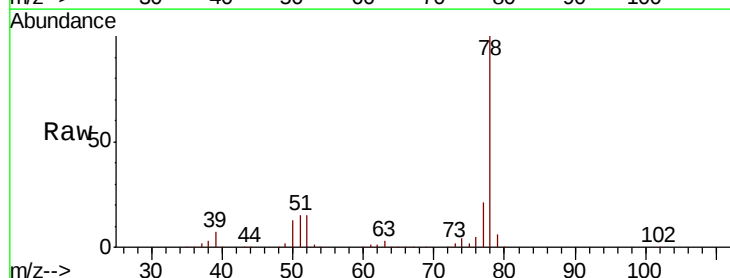
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#40
Benzene
Concen: 50.62 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	19.0	28.4





#41

Methacrylonitrile

Concen: 47.49 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 135718

Ion Ratio Lower Upper

41 100

39 51.9 42.4 63.6

67 75.0 59.2 88.8

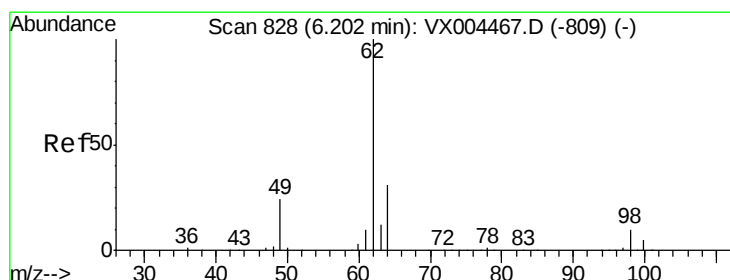
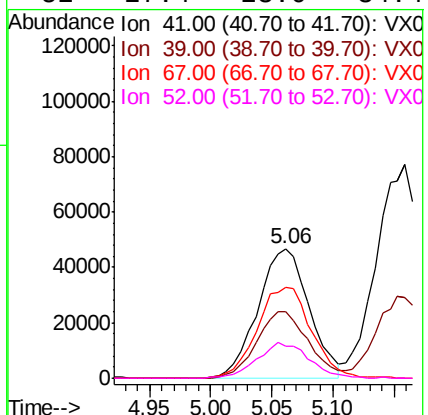
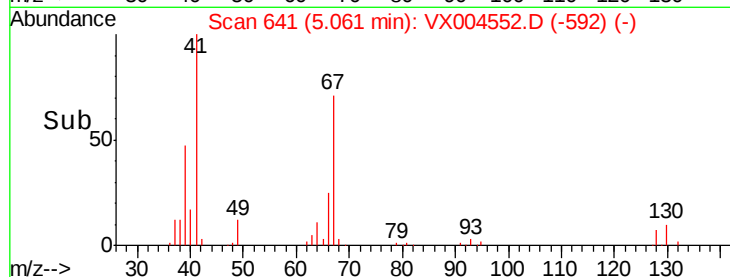
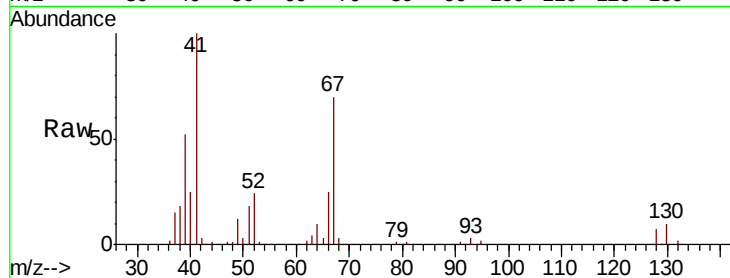
52 27.4 23.0 34.4

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 48.83 ug/l

RT: 6.20 min Scan# 828

Delta R.T. -0.00 min

Lab File: VX004552.D

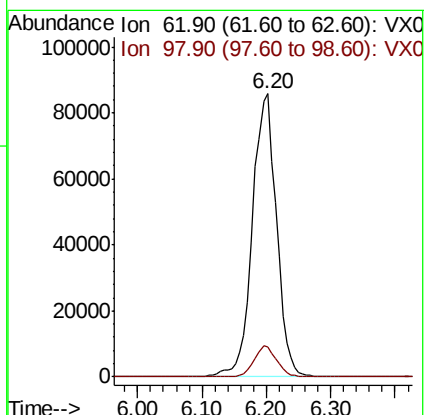
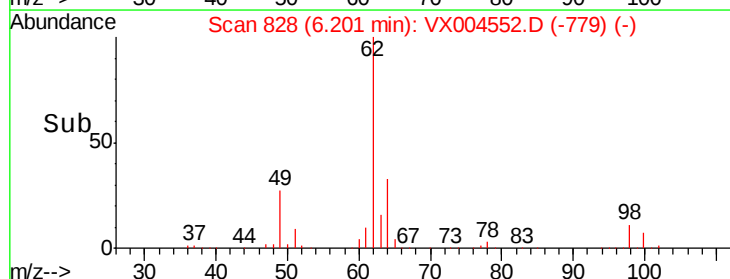
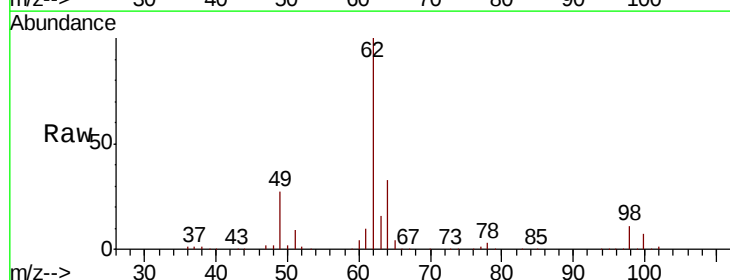
Acq: 14 Sep 2018 20:40

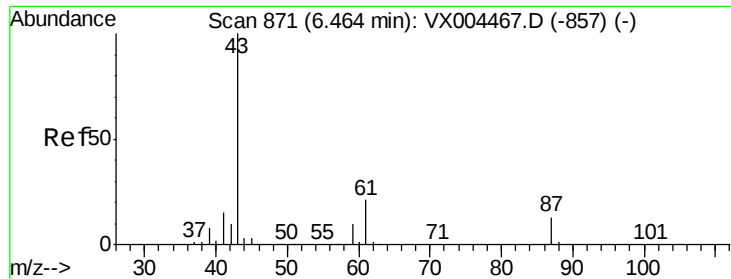
Tgt Ion: 62 Resp: 219132

Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.6





#43

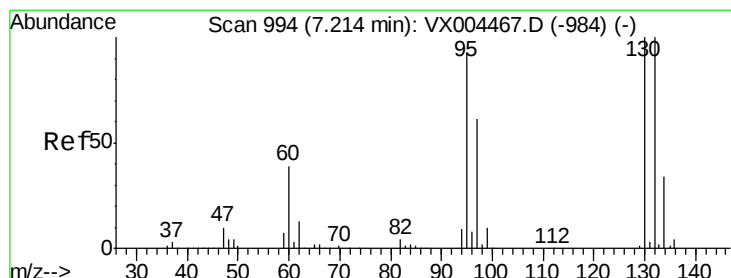
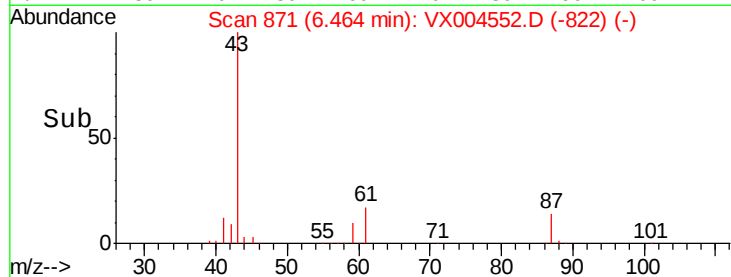
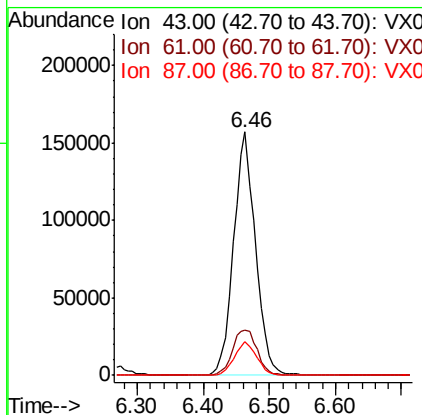
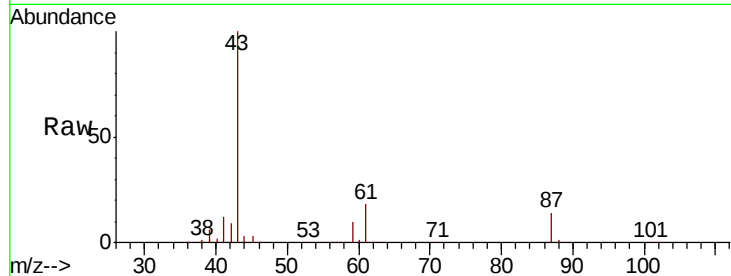
Isopropyl Acetate
 Concen: 52.07 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.0	25.4
87	14.2	11.4	17.2

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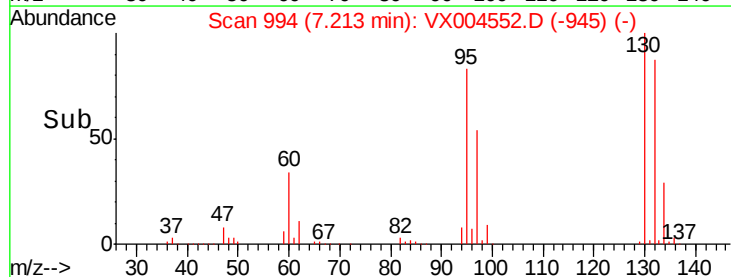
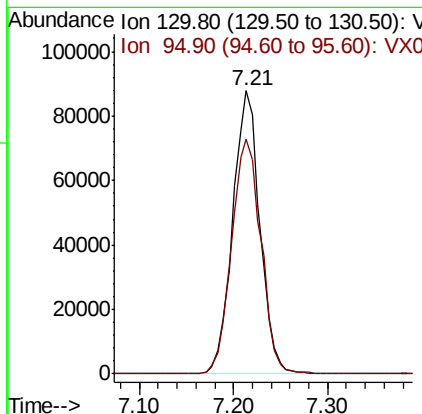
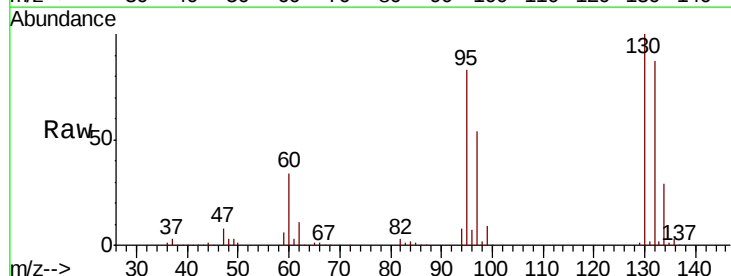
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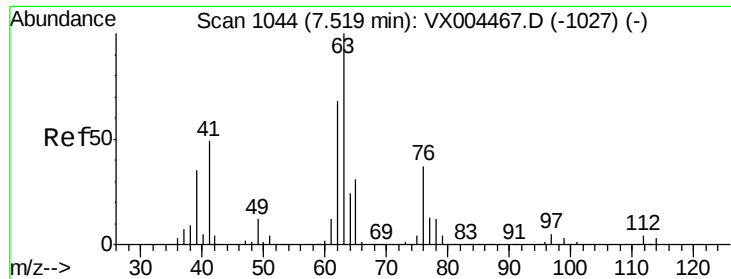


#44

Trichloroethene
 Concen: 49.99 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.0	0.0	181.6





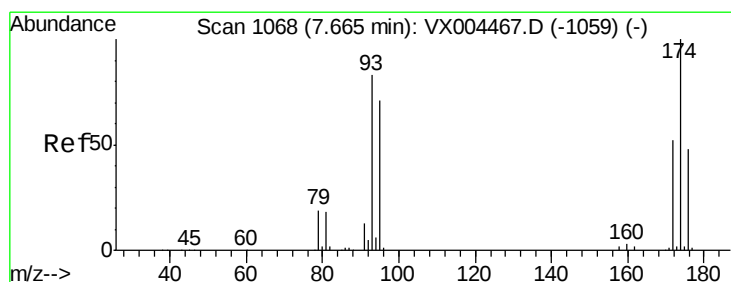
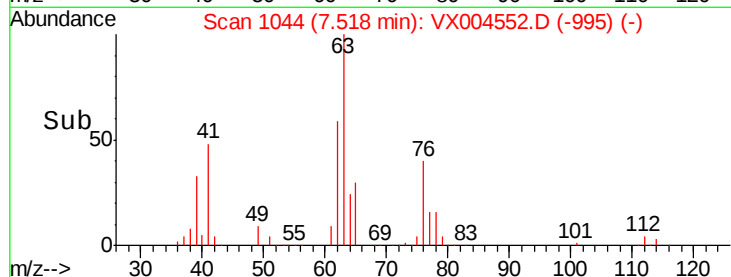
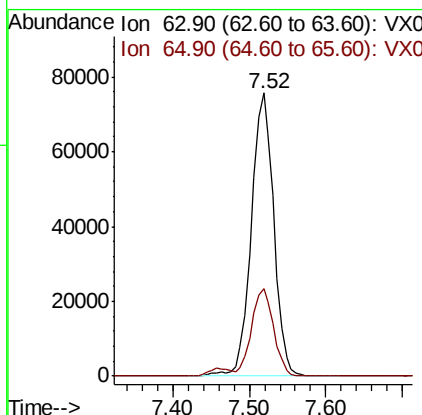
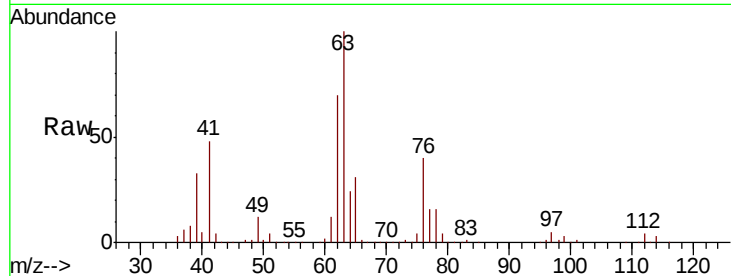
#45
 1,2-Dichloropropane
 Concen: 47.59 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.3	36.5

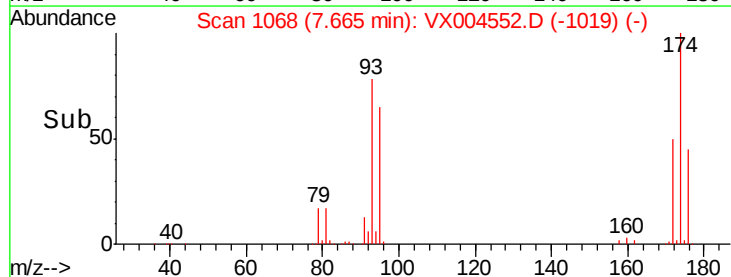
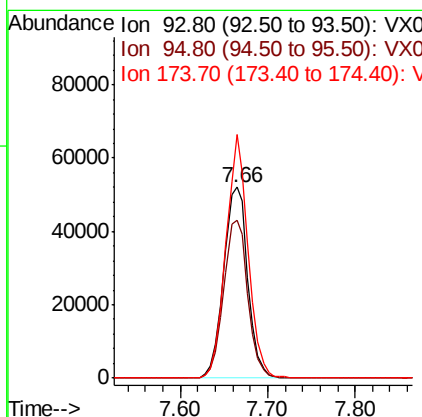
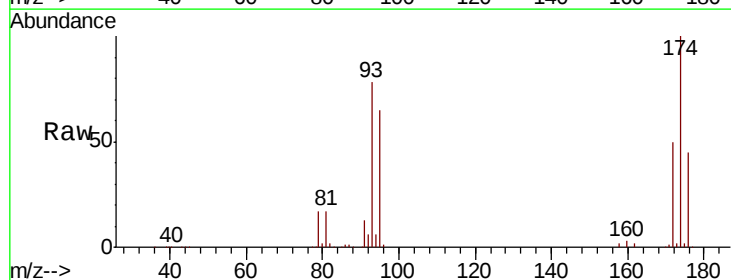
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#46
 Dibromomethane
 Concen: 48.32 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.5	98.3
174	117.2	94.2	141.4





#47

Bromodichloromethane

Concen: 46.80 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

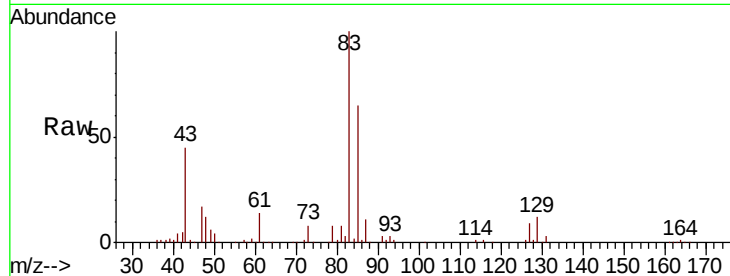
ClientSampleId :

VSTDCCC050EC

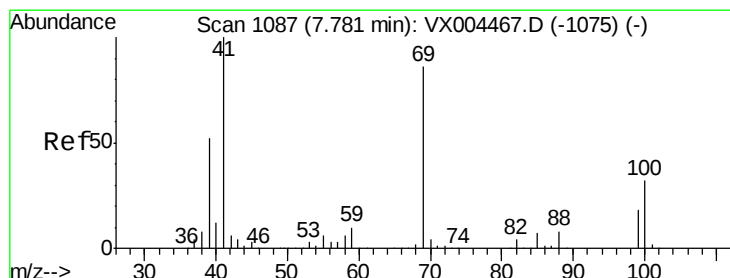
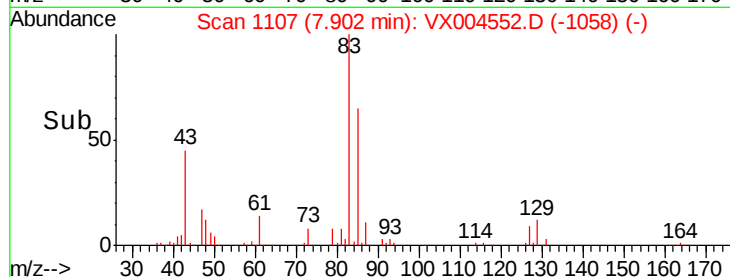
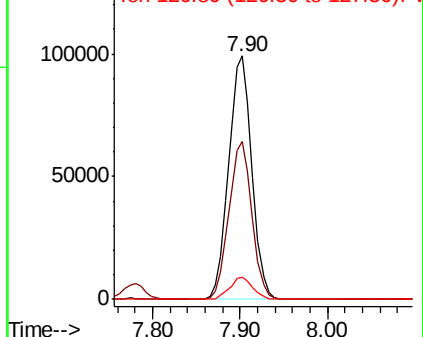
Tot Ion:	83	Resp:	182025
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.9	76.3
127	9.2	7.3	10.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 48.25 ug/l

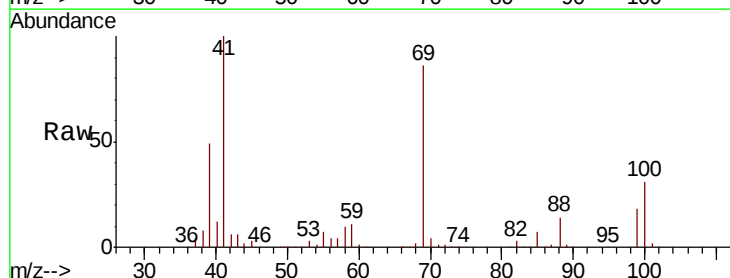
RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

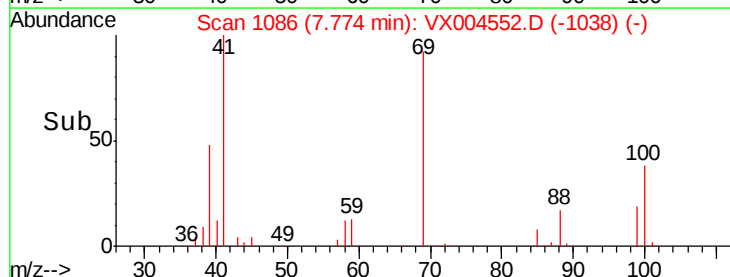
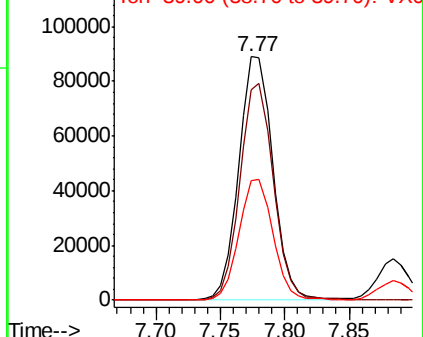
Lab File: VX004552.D

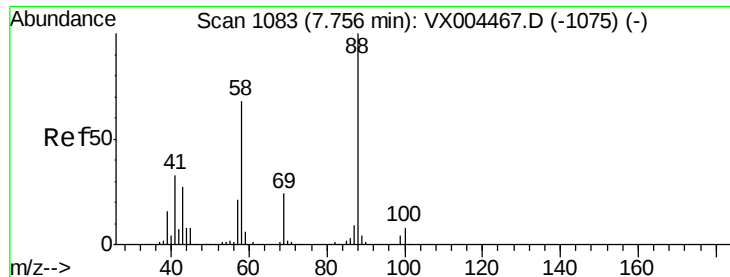
Acq: 14 Sep 2018 20:40

Tgt Ion:	41	Resp:	164499
Ion Ratio	Lower	Upper	
41	100		
69	87.2	70.2	105.4
39	49.4	42.7	64.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 963.01 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 77703

Ion Ratio Lower Upper

88 100

43 29.4 24.7 37.1

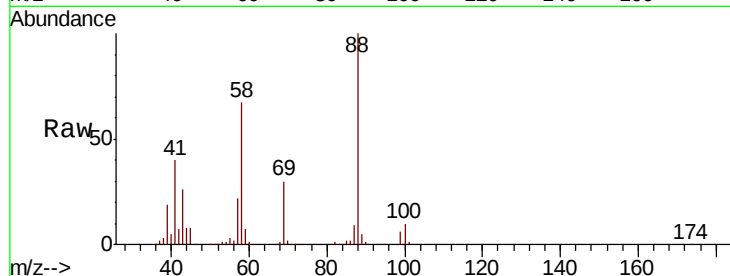
58 70.0 55.3 82.9

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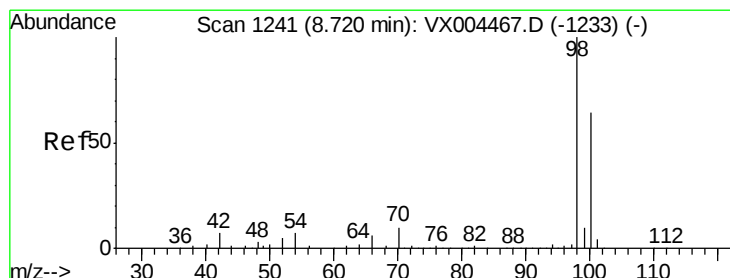
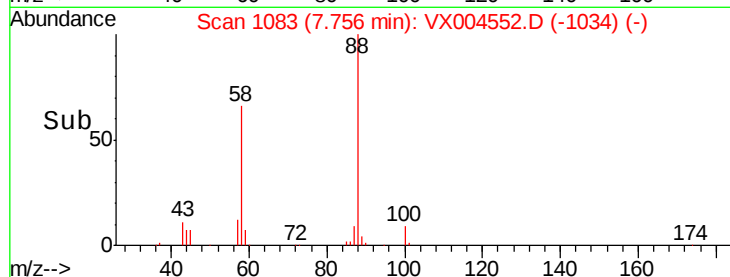
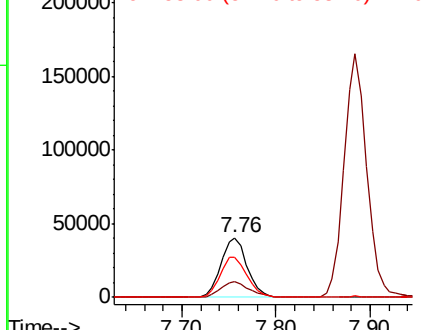
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Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.83 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004552.D

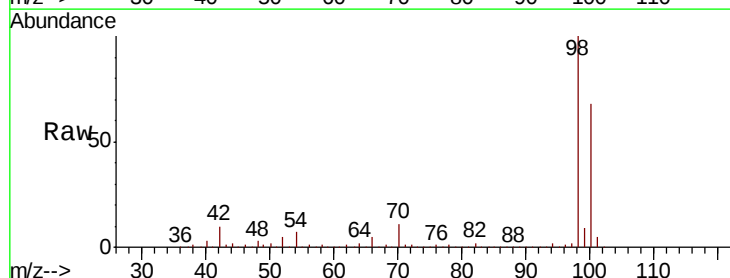
Acq: 14 Sep 2018 20:40

Tgt Ion: 98 Resp: 551375

Ion Ratio Lower Upper

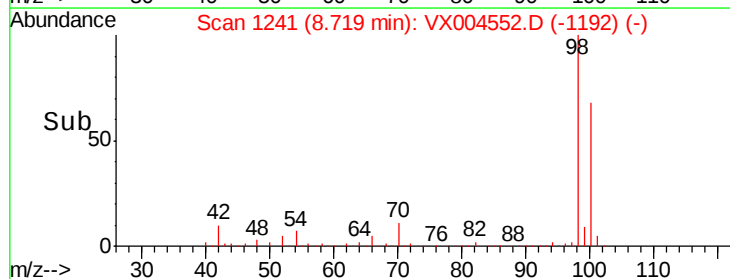
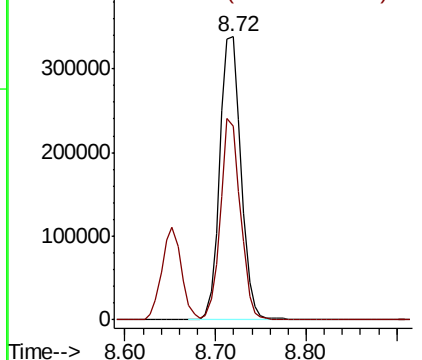
98 100

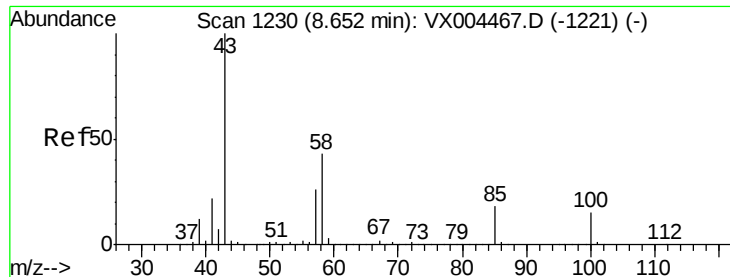
100 67.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





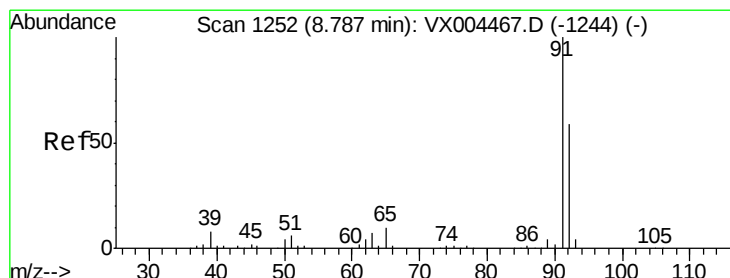
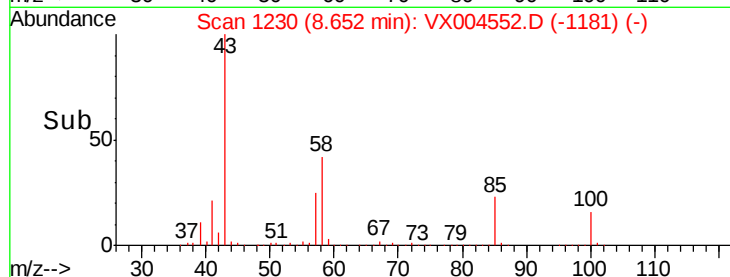
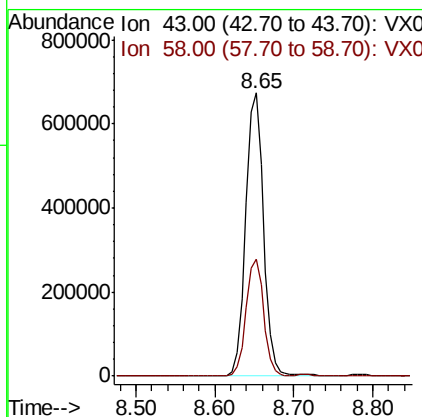
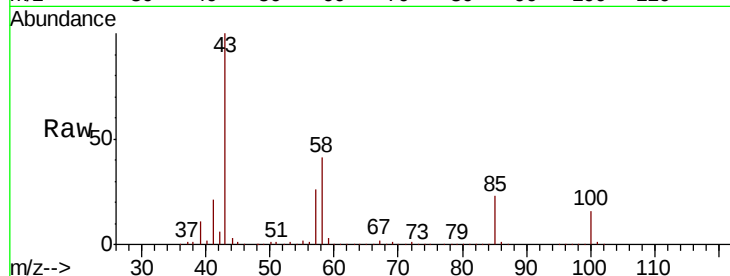
#51
4-Methyl-2-Pentanone
Concen: 217.40 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1056817
Ion Ratio Lower Upper
43 100
58 41.0 33.1 49.7

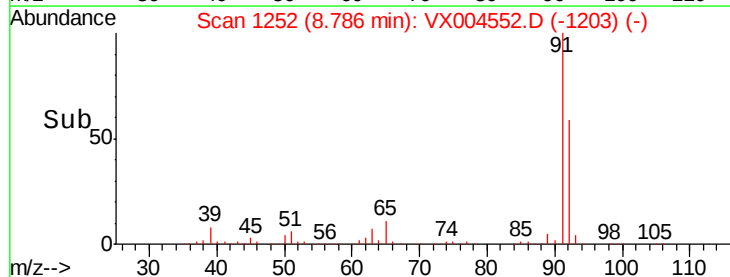
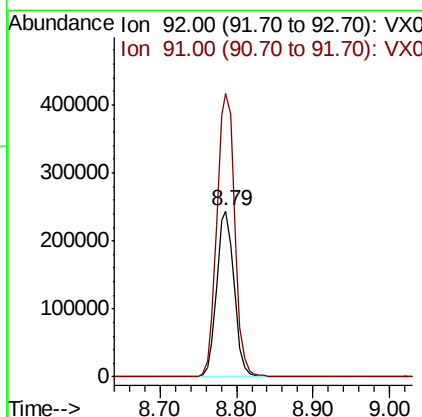
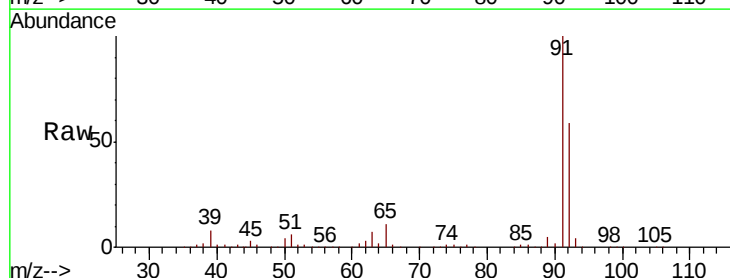
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#52
Toluene
Concen: 48.06 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion: 92 Resp: 383106
Ion Ratio Lower Upper
92 100
91 175.6 136.4 204.6





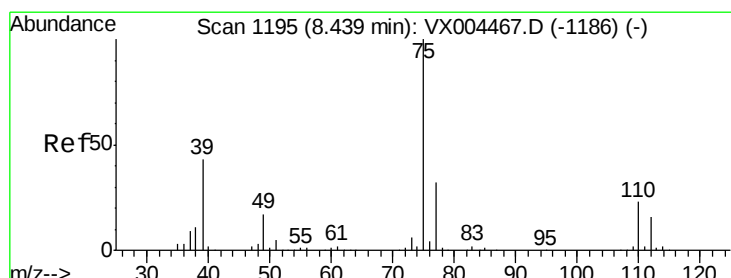
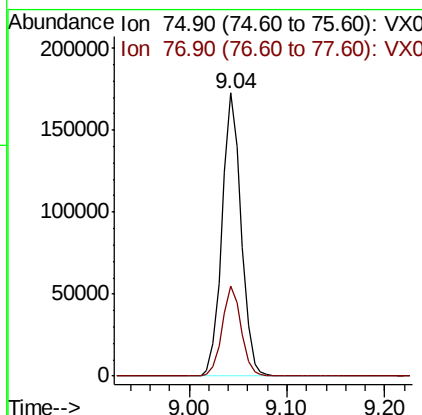
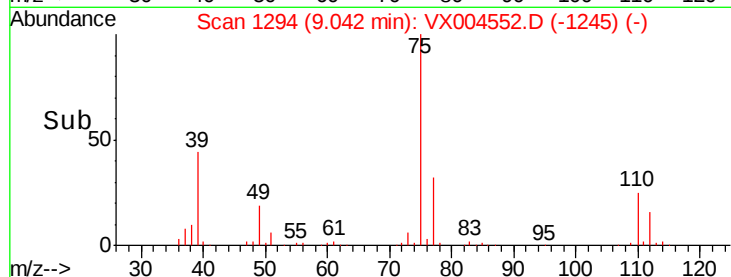
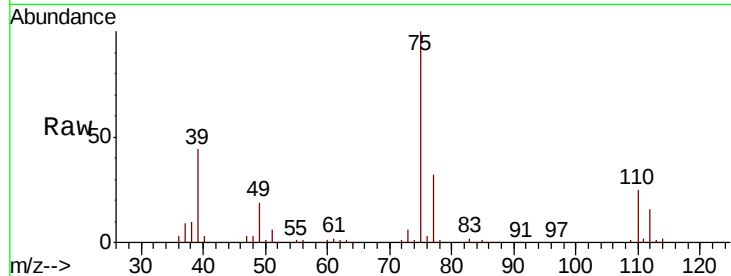
#53
t-1,3-Dichloropropene
Concen: 51.57 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 234290
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0

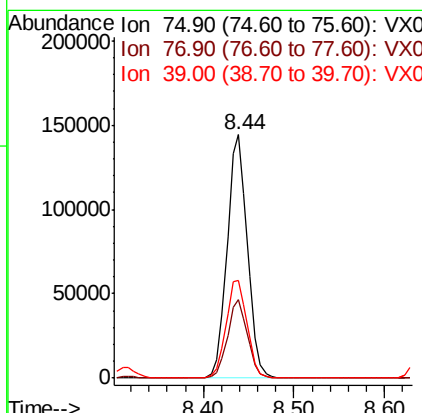
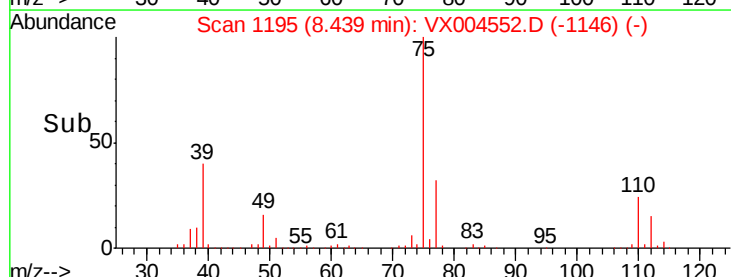
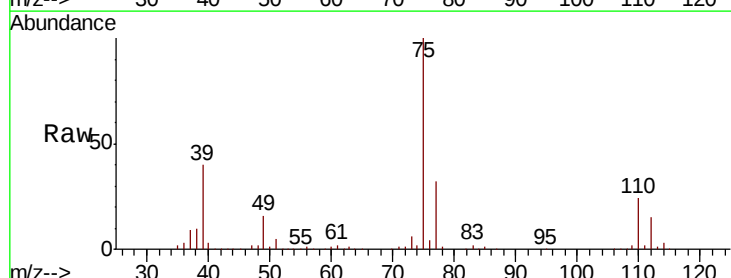
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#54
cis-1,3-Dichloropropene
Concen: 48.88 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion: 75 Resp: 226397
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2
39 40.0 36.4 54.6





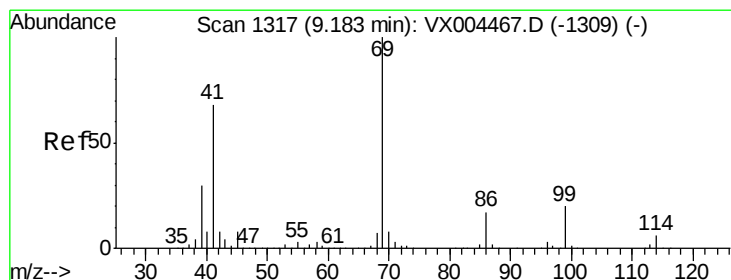
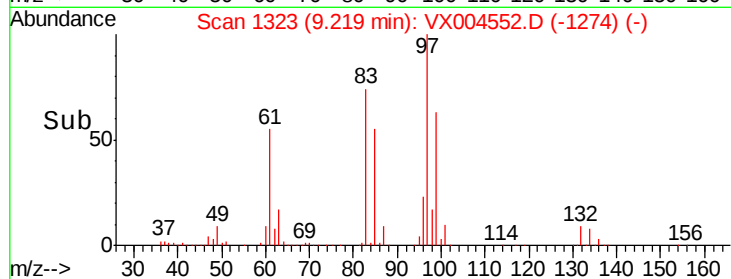
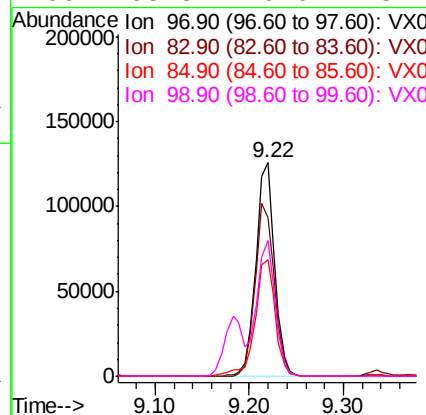
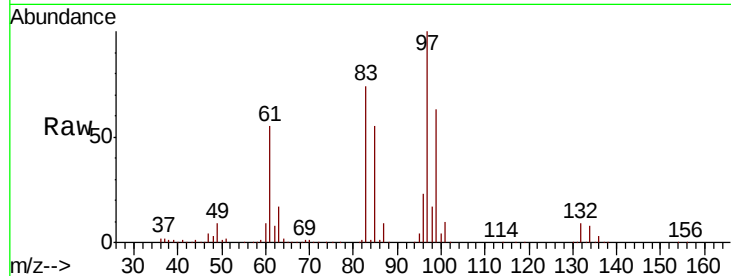
#55
 1,1,2-Trichloroethane
 Concen: 51.43 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	176509
Ion	Ratio	Lower	Upper
97	100		
83	74.4	66.4	99.6
85	54.8	43.3	64.9
99	63.3	49.0	73.4

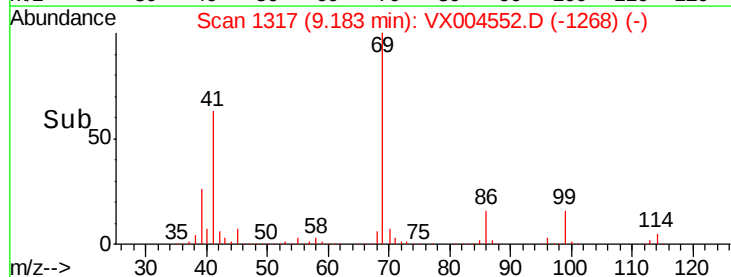
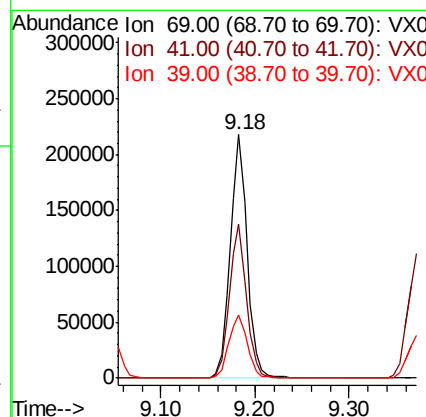
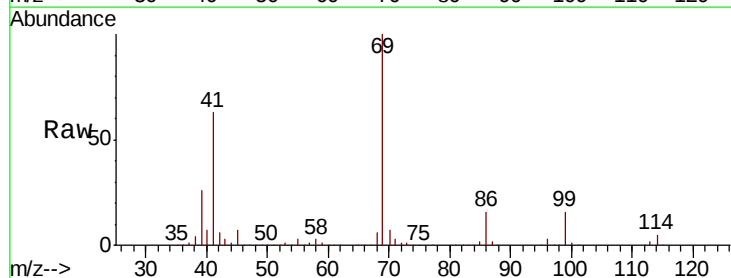
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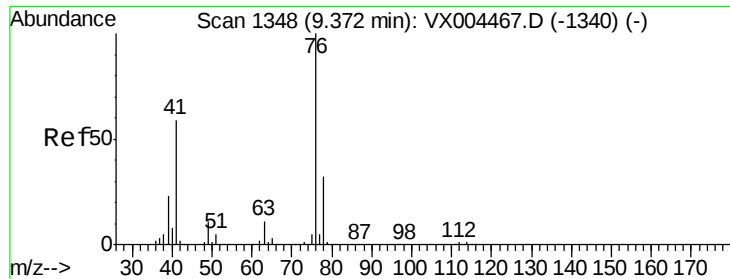
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#56
 Ethyl methacrylate
 Concen: 55.67 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Tgt Ion:	69	Resp:	270298
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.0	76.4
39	28.3	26.1	39.1





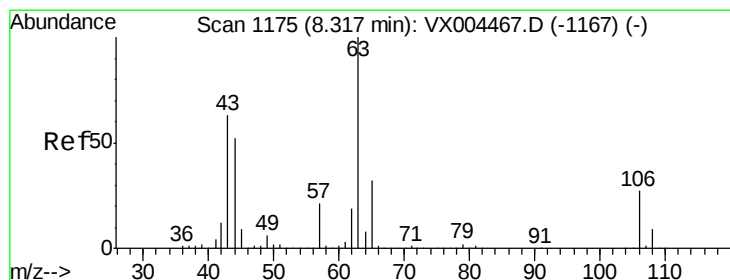
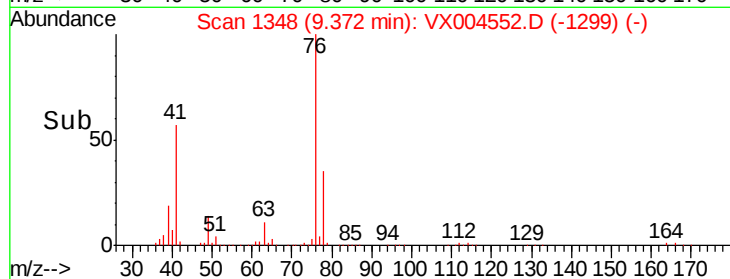
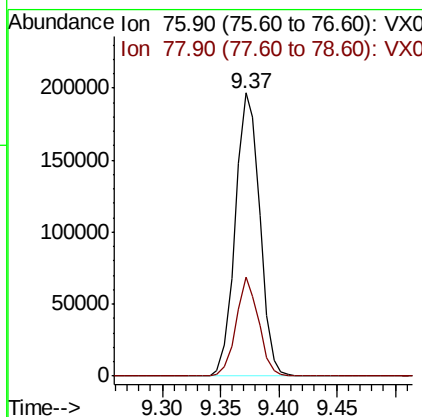
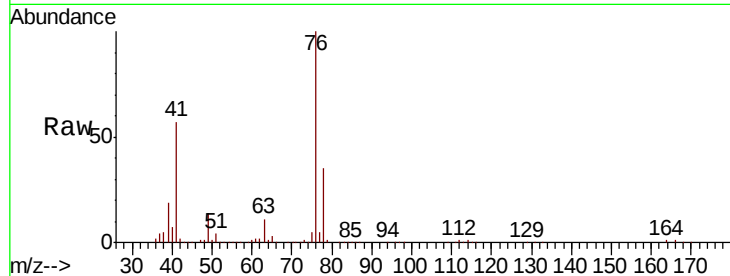
#57
 1,3-Dichloropropane
 Concen: 51.72 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.5	38.3

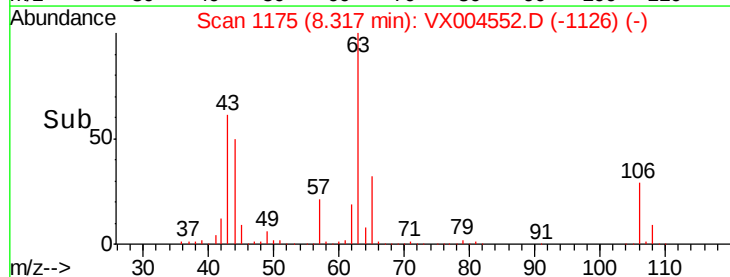
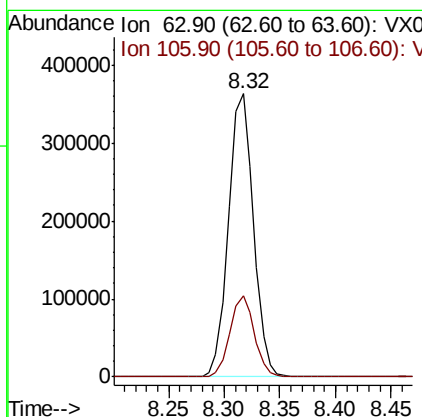
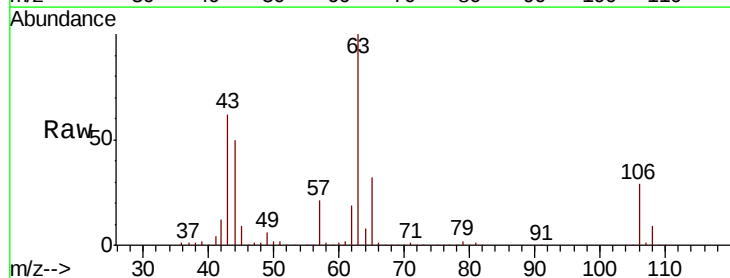
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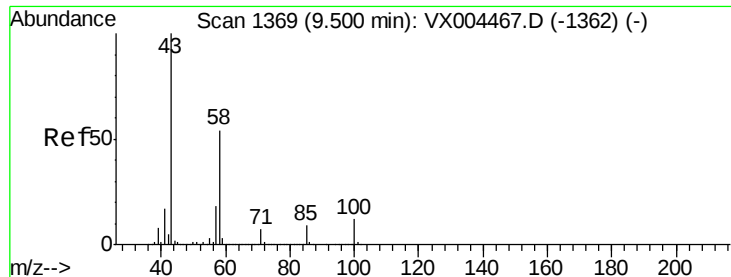
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#58
 2-Chloroethyl Vinyl ether
 Concen: 228.44 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	23.9	35.9





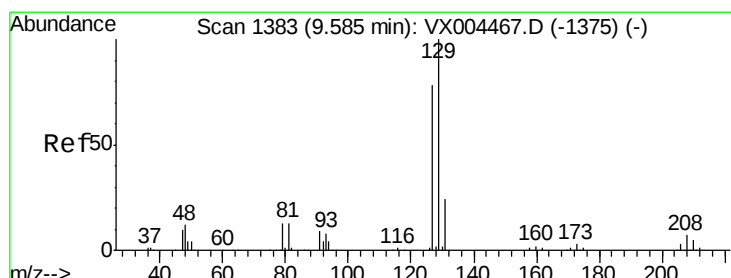
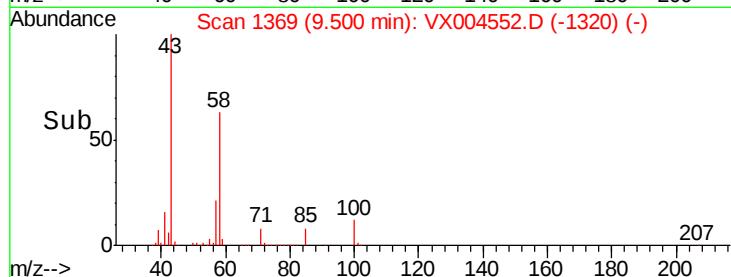
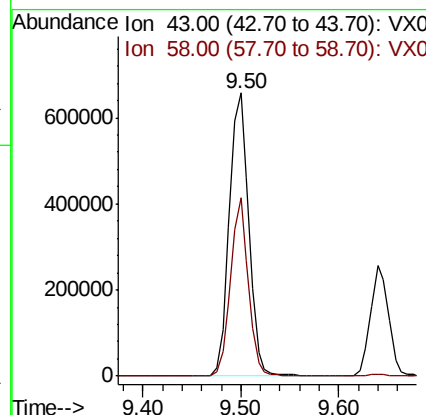
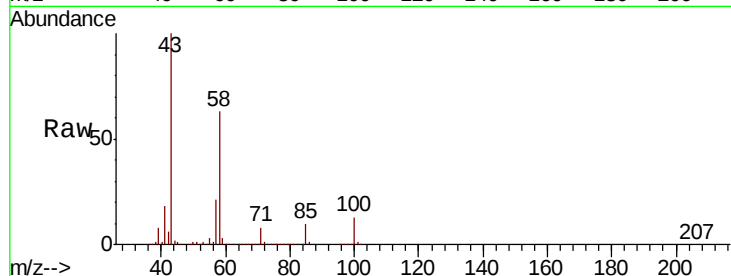
#59
2-Hexanone
Concen: 244.69 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.4	29.0	87.0

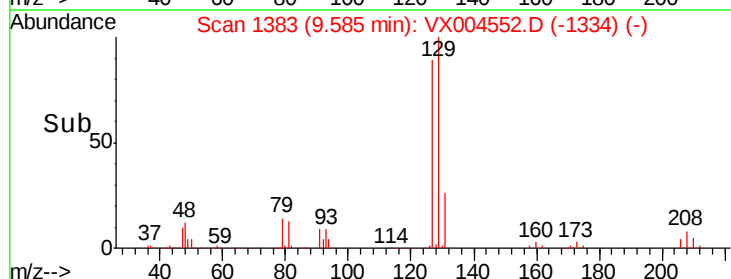
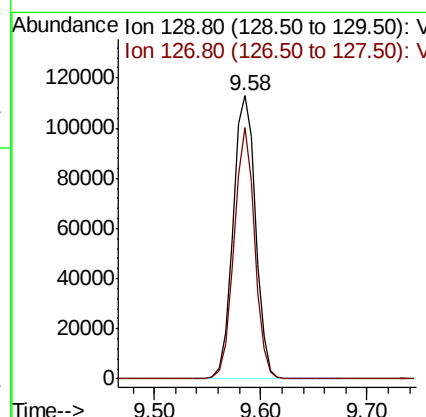
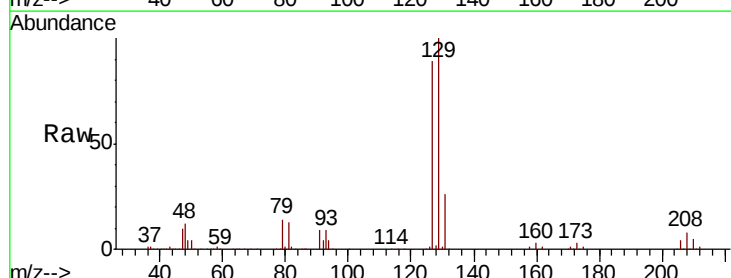
Manual Integrations
APPROVED

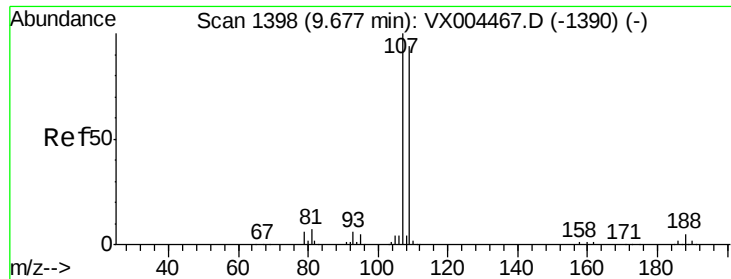
MMDadoda
9/17/2018 5:09:27 PM



#60
Dibromochloromethane
Concen: 51.85 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.5	38.5	115.5





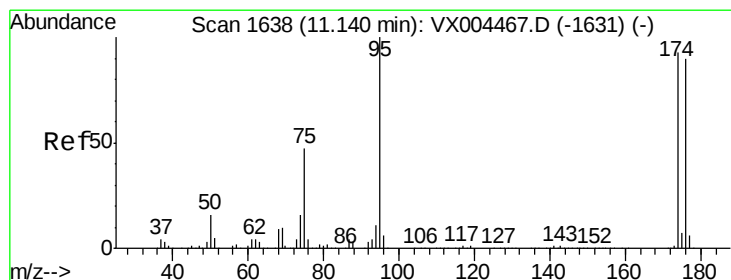
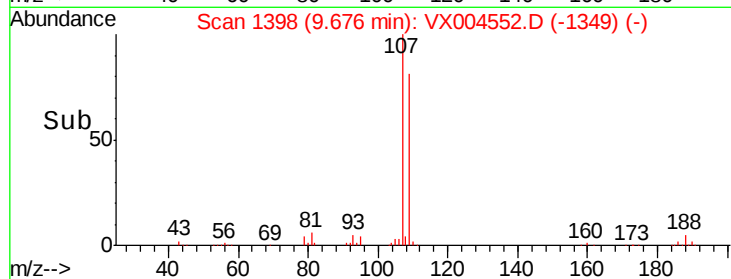
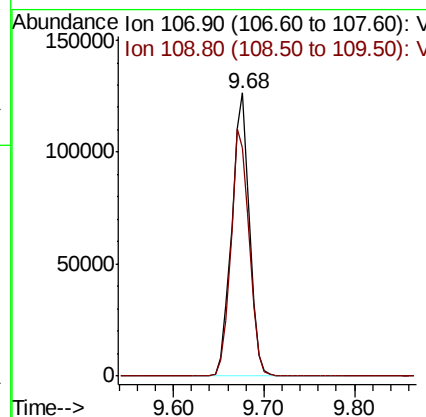
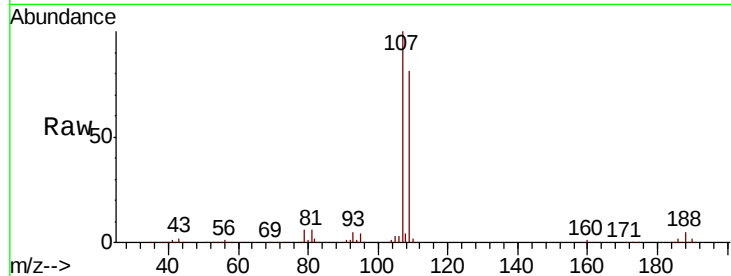
#61
 1,2-Dibromoethane
 Concen: 53.19 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.7	76.0	114.0

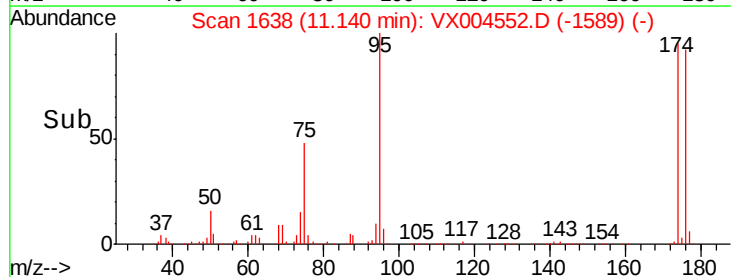
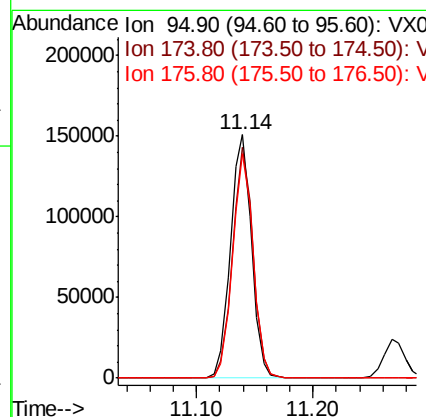
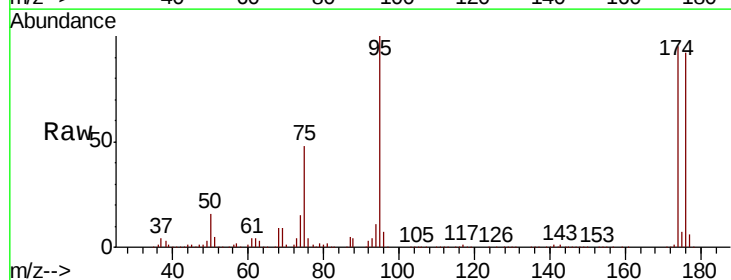
Manual Integrations
 APPROVED

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 9/17/2018 5:09:27 PM



#62
 4-Bromofluorobenzene
 Concen: 45.85 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	185.2
176	90.5	0.0	178.6





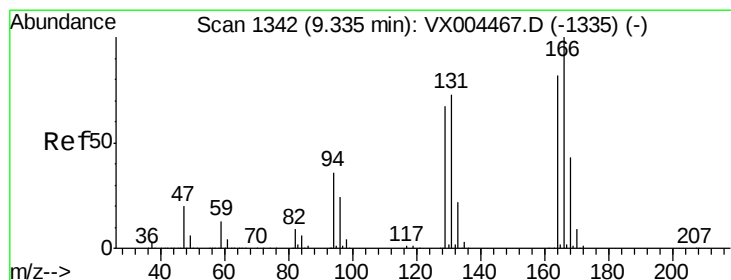
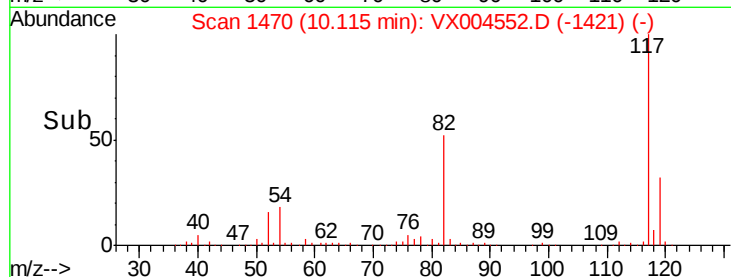
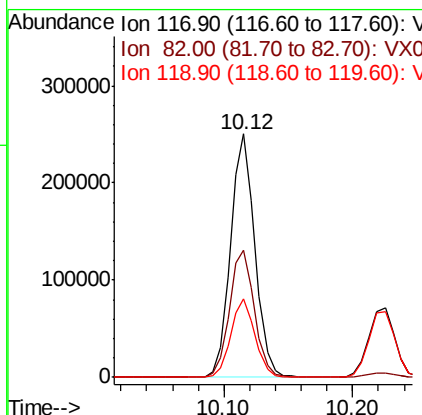
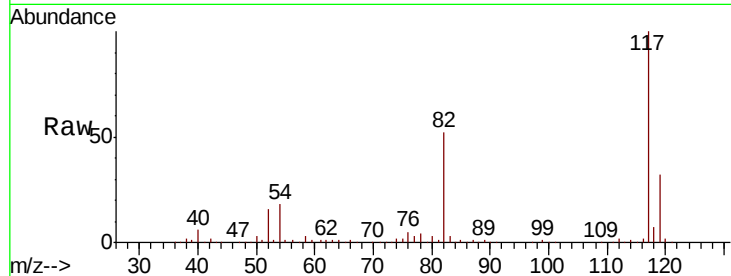
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	47.8	71.6
119	32.4	29.3	43.9

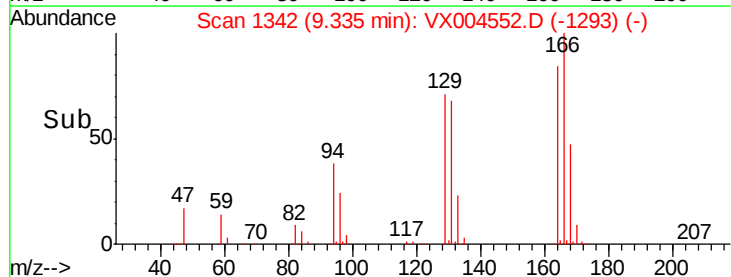
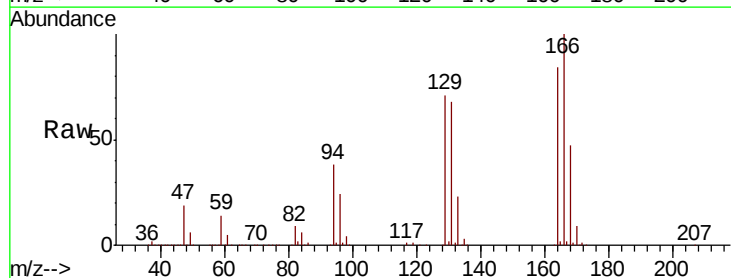
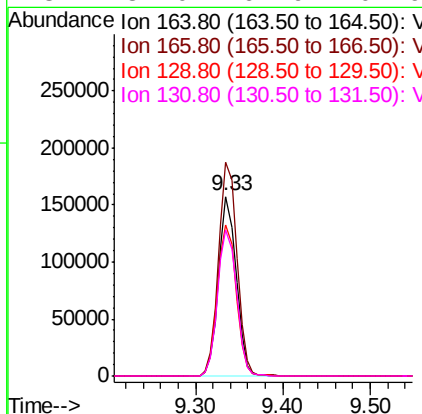
Manual Integrations
APPROVED

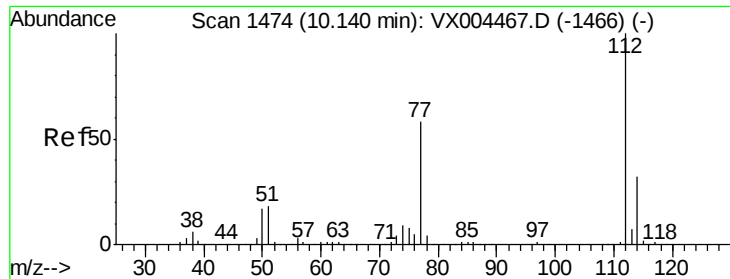
MMDadoda
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#64
Tetrachloroethene
Concen: 53.40 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.0	102.8	154.2
129	84.1	69.4	104.0
131	81.0	67.9	101.9





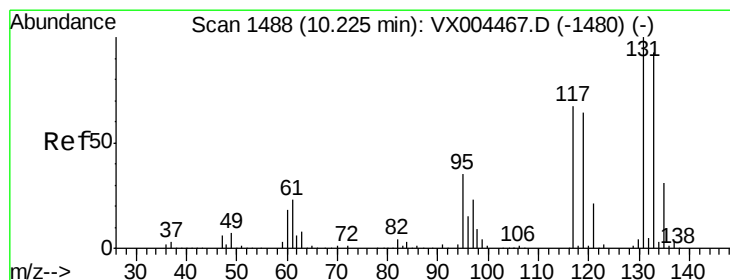
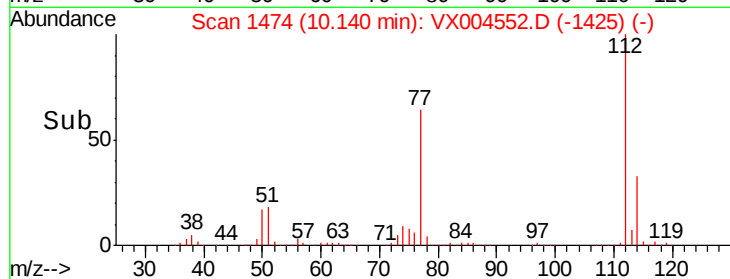
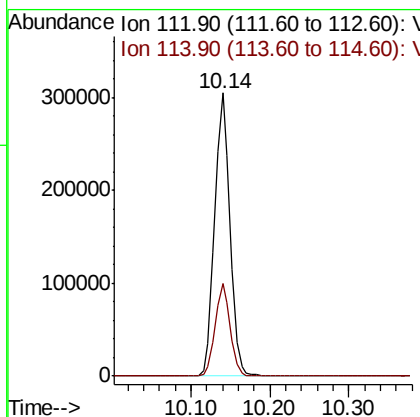
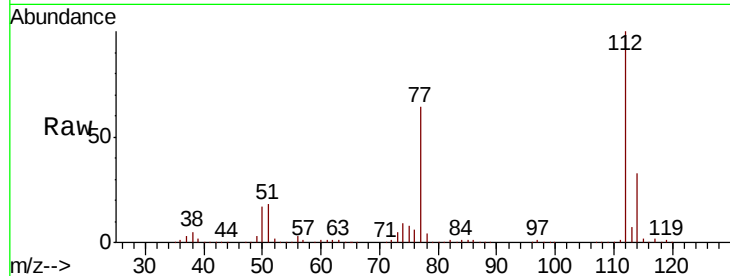
#65
Chlorobenzene
Concen: 50.39 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 413808
Ion Ratio Lower Upper
112 100
114 32.8 27.8 41.8

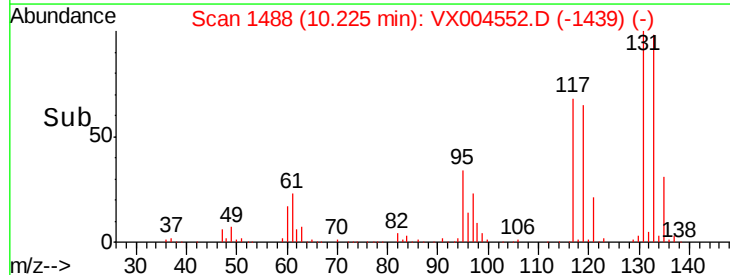
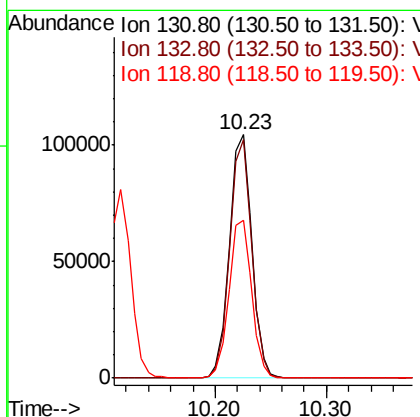
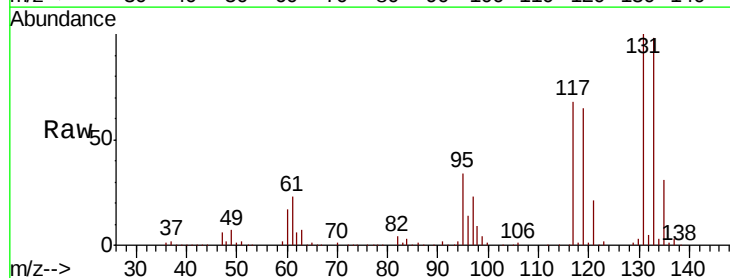
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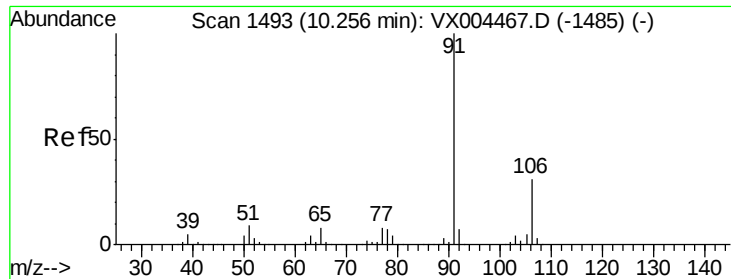
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.32 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion:131 Resp: 145335
Ion Ratio Lower Upper
131 100
133 96.1 48.1 144.4
119 65.8 32.9 98.6





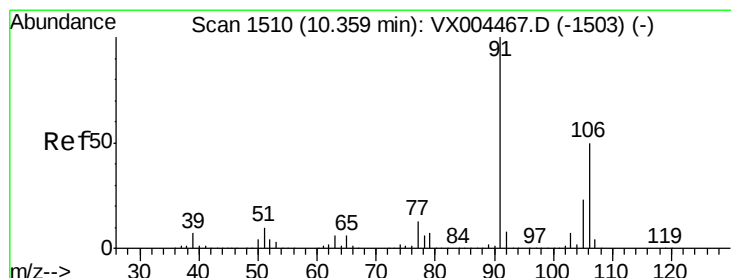
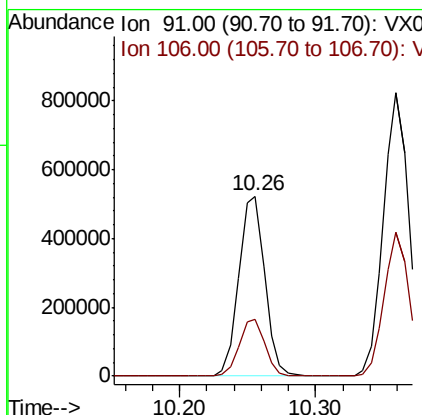
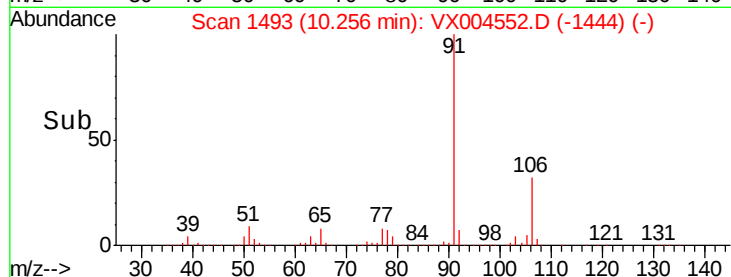
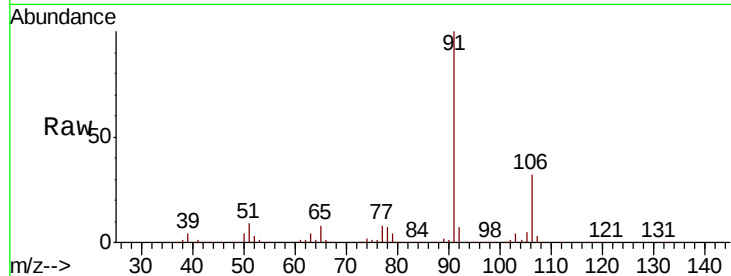
#67
Ethyl Benzene
Concen: 52.18 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 696781
Ion Ratio Lower Upper
91 100
106 31.6 25.9 38.9

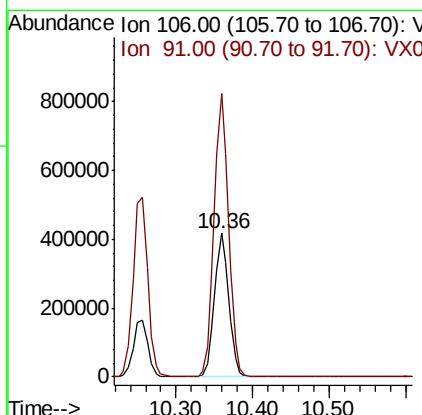
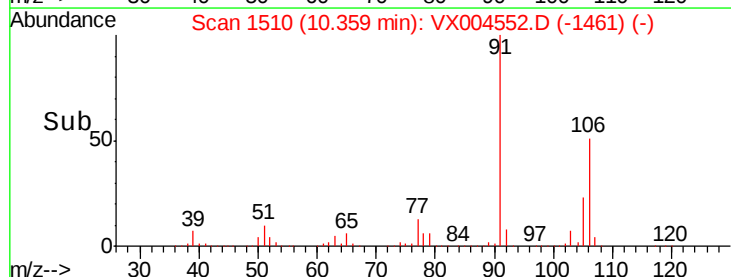
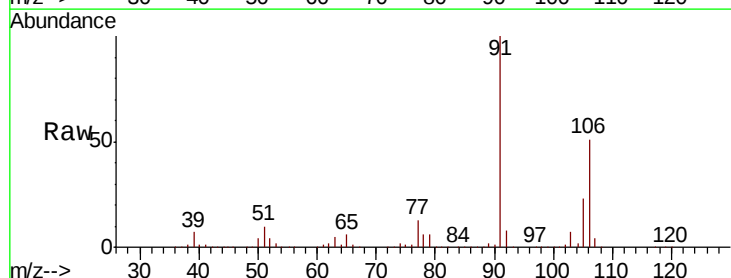
Manual Integrations
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#68
m/p-Xylenes
Concen: 105.71 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion: 106 Resp: 543755
Ion Ratio Lower Upper
106 100
91 199.7 157.1 235.7





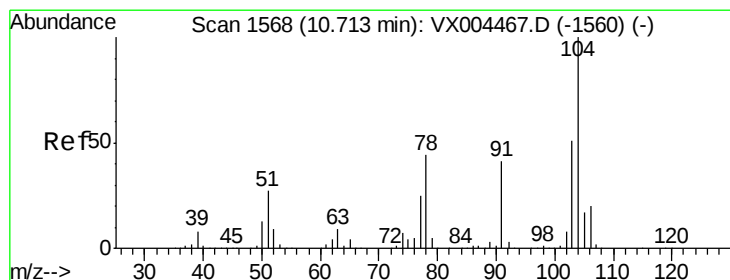
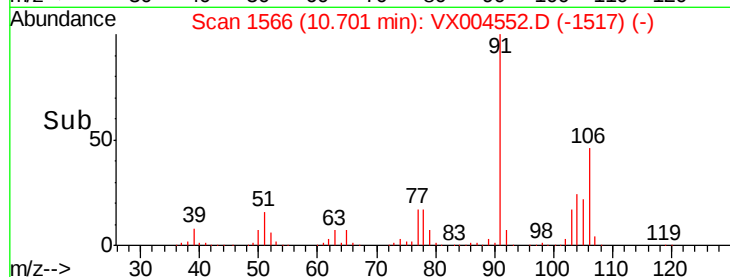
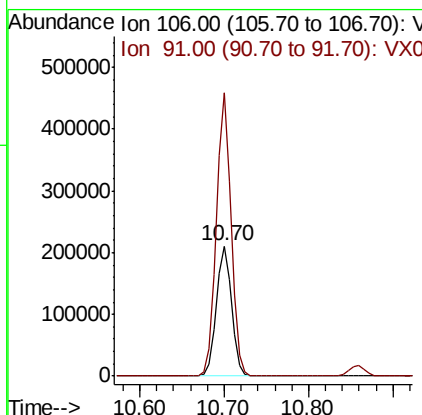
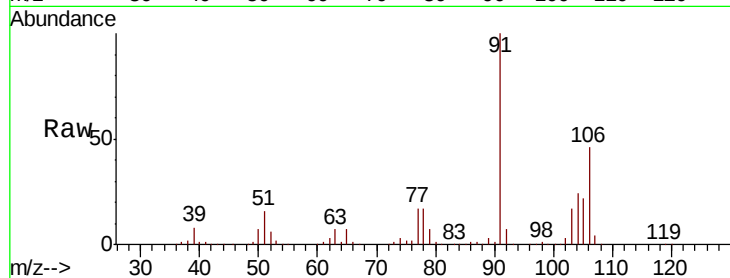
#69
o-Xylene
Concen: 53.67 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.6	105.1	315.1

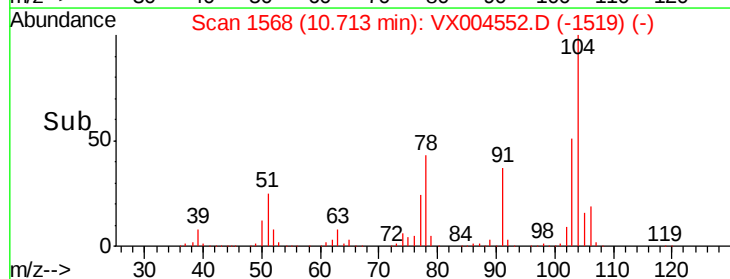
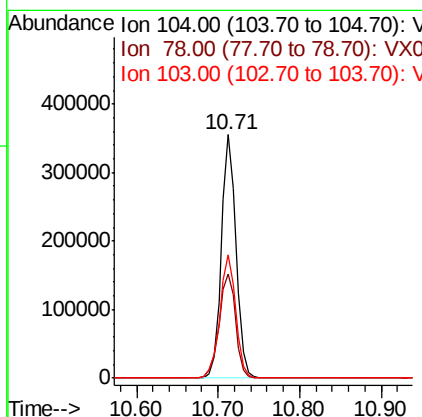
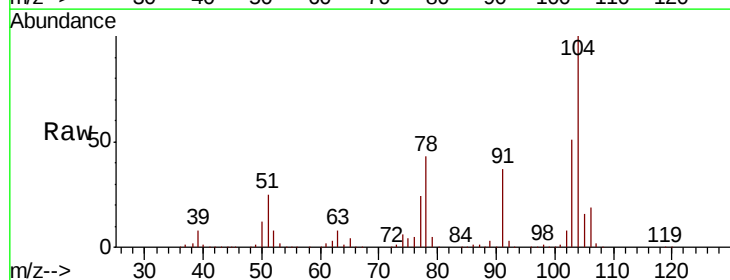
Manual Integrations
APPROVED

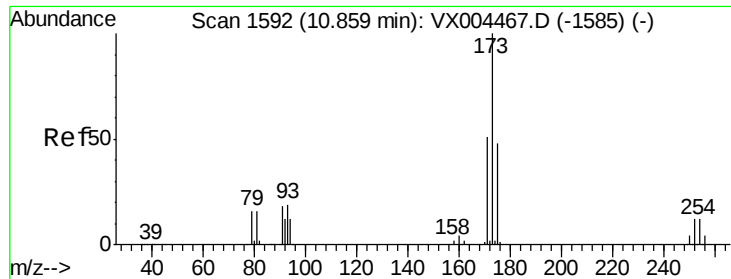
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#70
Styrene
Concen: 54.48 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	37.4	56.0
103	55.1	43.8	65.6





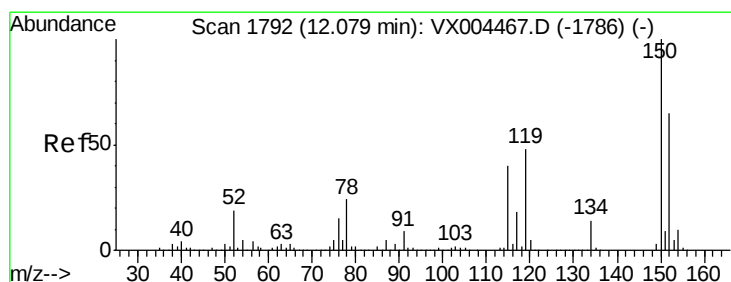
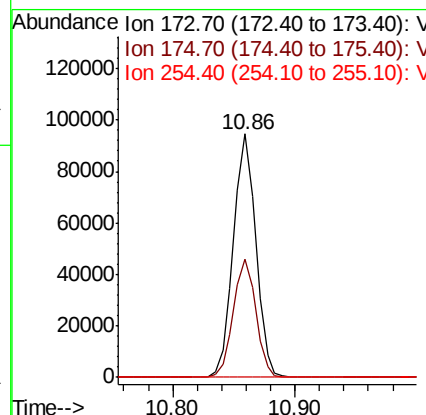
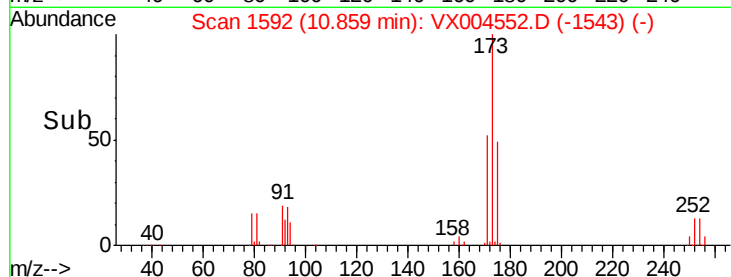
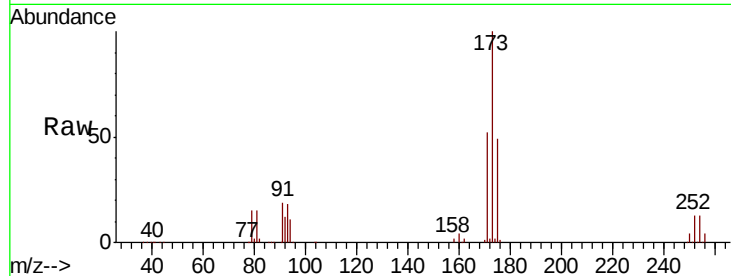
#71
Bromoform
Concen: 51.36 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.1	0.2	0.2

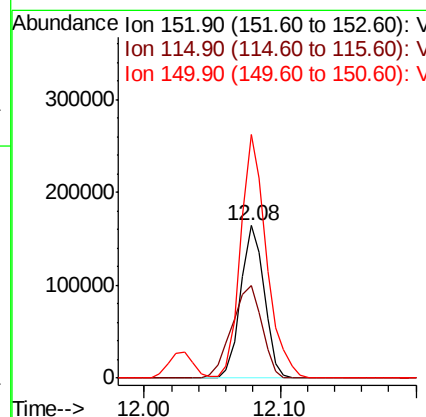
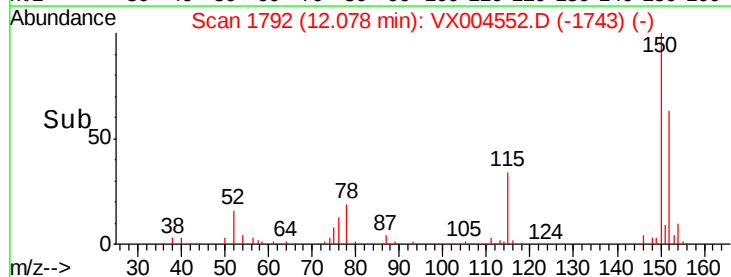
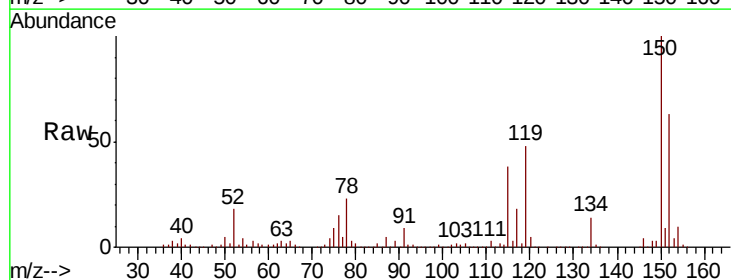
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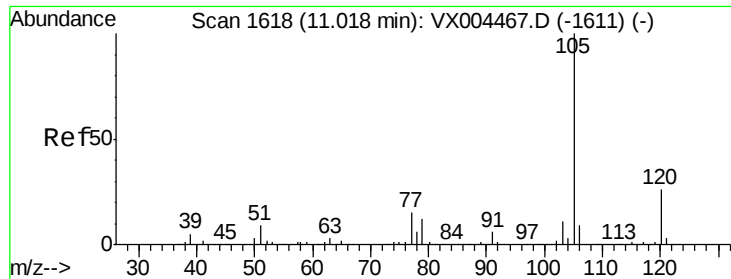
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.3	39.0	117.0
150	175.4	0.0	351.0





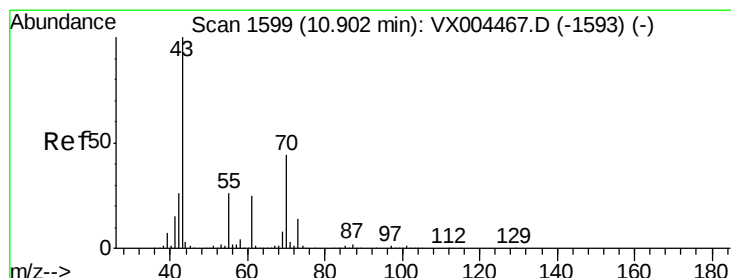
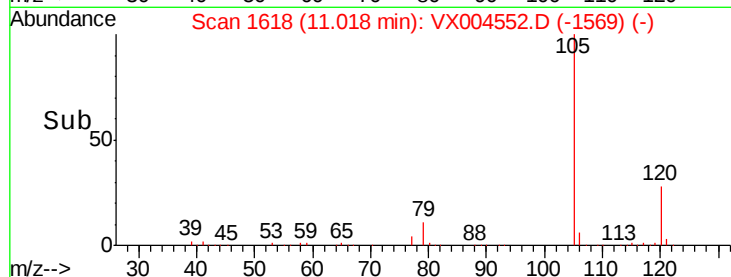
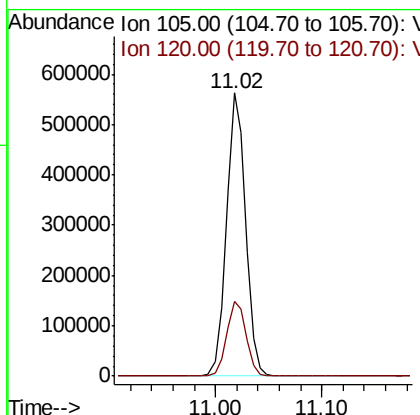
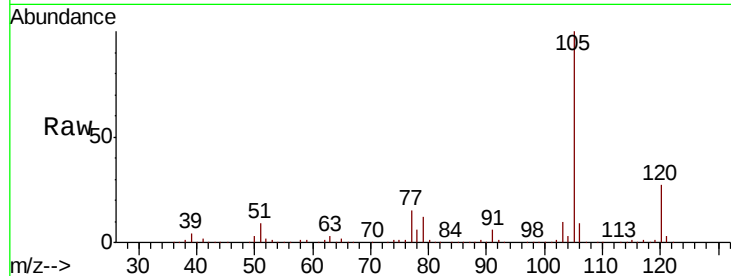
#73
Isopropylbenzene
Concen: 54.37 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 706742
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4

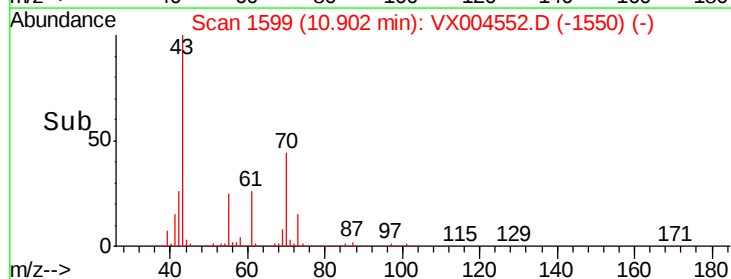
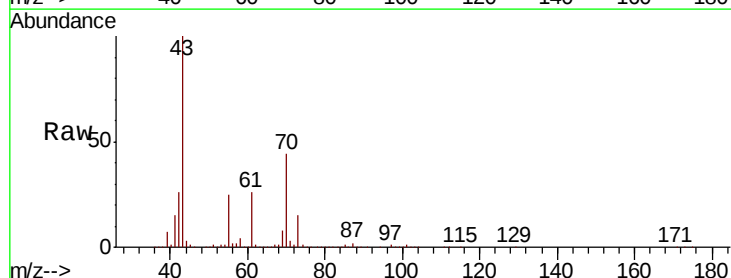
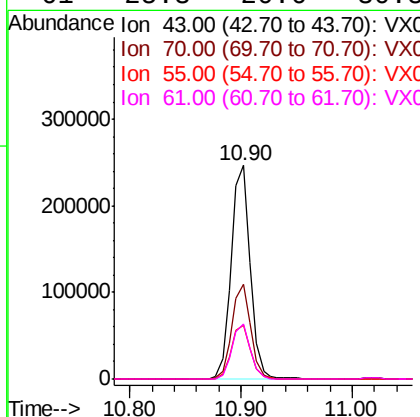
Manual Integrations
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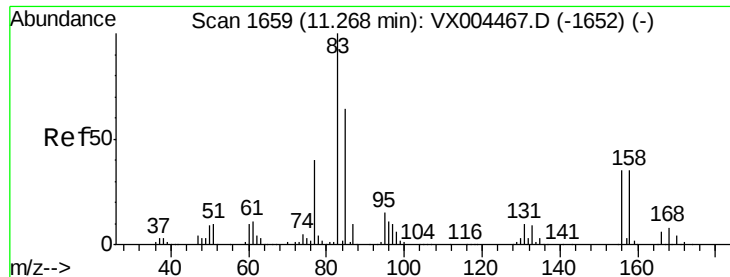
MMDadoda
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#74
N-ethyl acetate
Concen: 52.92 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion: 43 Resp: 289551
Ion Ratio Lower Upper
43 100
70 44.2 37.4 56.0
55 25.8 21.8 32.8
61 25.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.16 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 210314

Ion Ratio Lower Upper

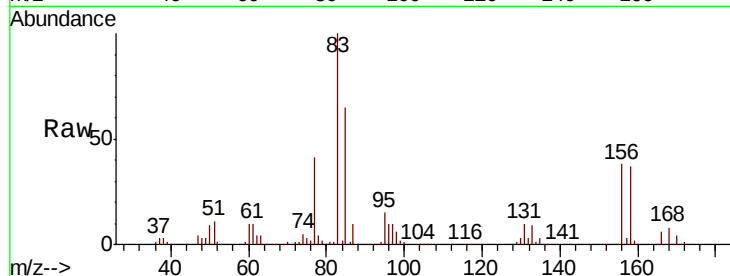
83 100

131 10.3 5.2 15.6

85 64.5 32.3 96.8

Manual Integrations
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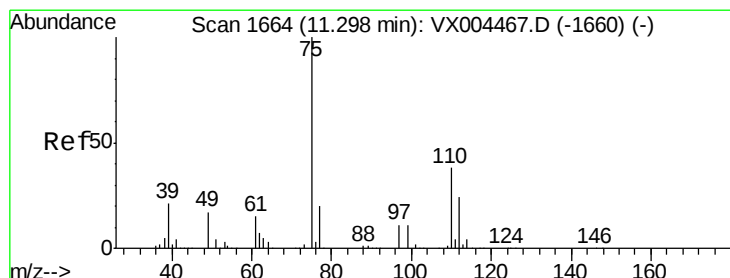
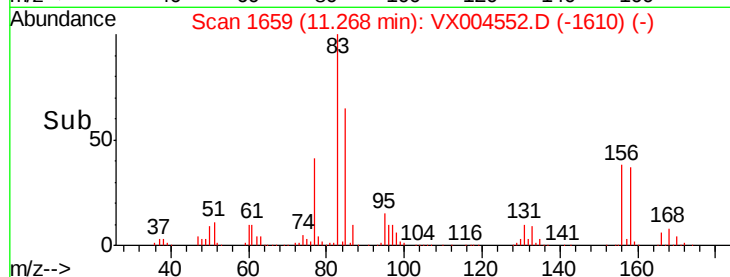
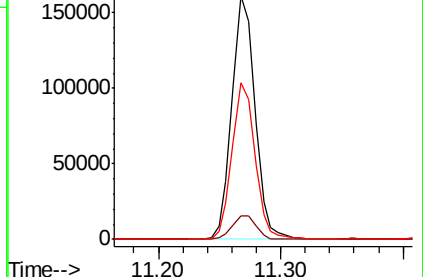
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.57 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004552.D

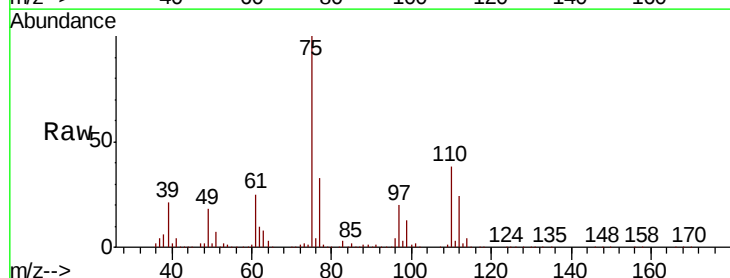
Acq: 14 Sep 2018 20:40

Tgt Ion: 75 Resp: 200818

Ion Ratio Lower Upper

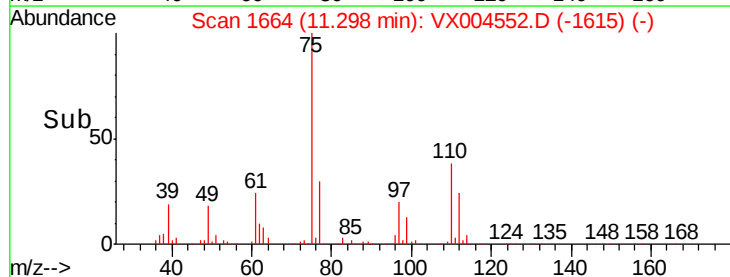
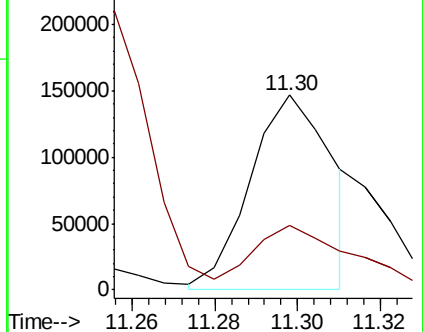
75 100

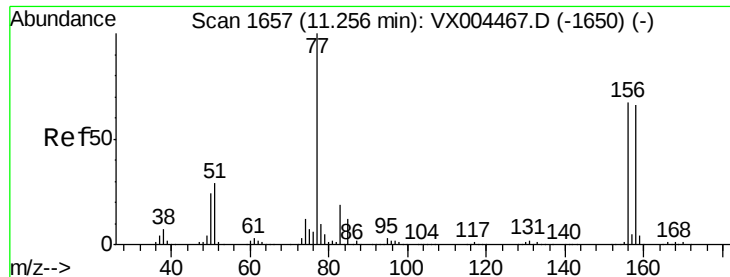
77 40.6 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.08 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 187138

Ion Ratio Lower Upper

156 100

77 142.6 71.5 214.3

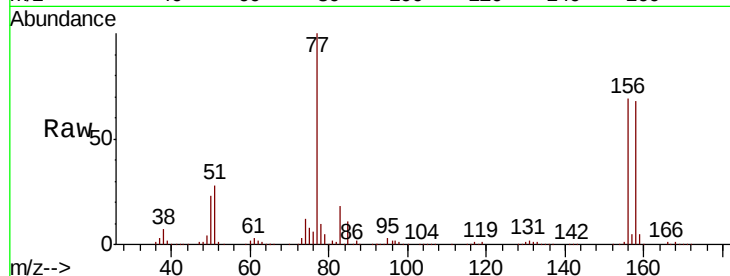
158 97.2 48.9 146.8

Manual Integrations

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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

250000

200000

150000

100000

50000

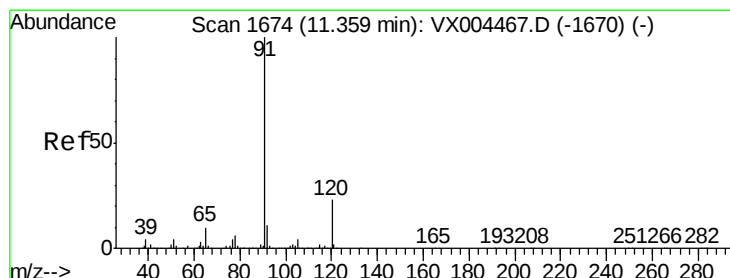
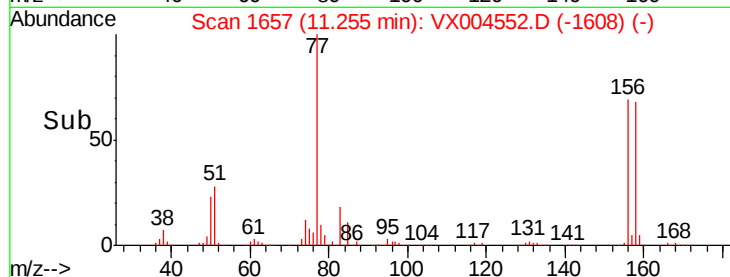
0

11.20

11.30

11.40

Time-->



#78

n-propylbenzene

Concen: 53.68 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004552.D

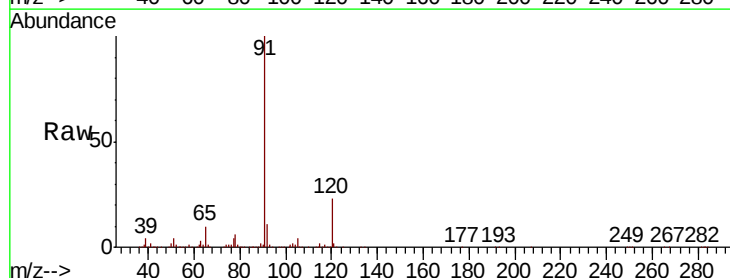
Acq: 14 Sep 2018 20:40

Tgt Ion: 91 Resp: 802312

Ion Ratio Lower Upper

91 100

120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

600000

400000

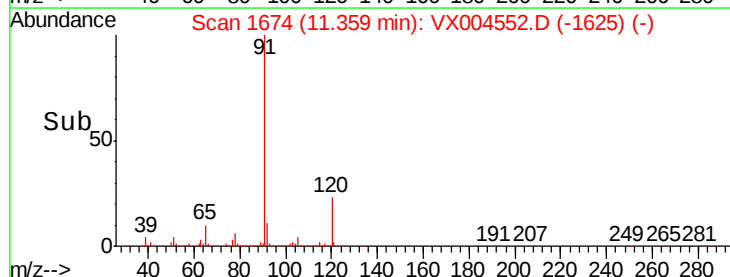
200000

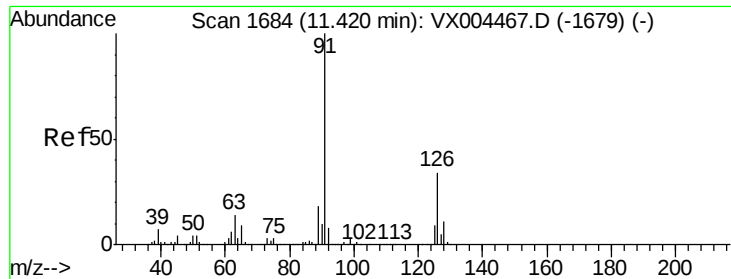
0

11.35

11.40

Time-->





#79

2-Chlorotoluene

Concen: 52.41 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 475100

Ion Ratio Lower Upper

91 100

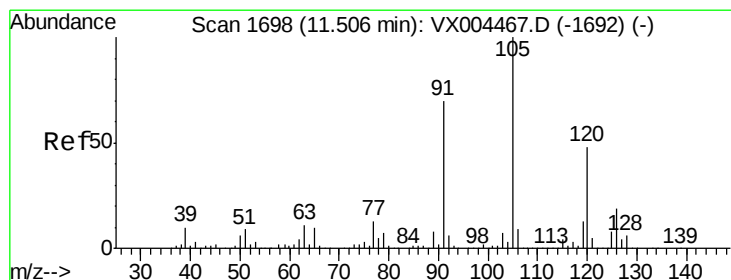
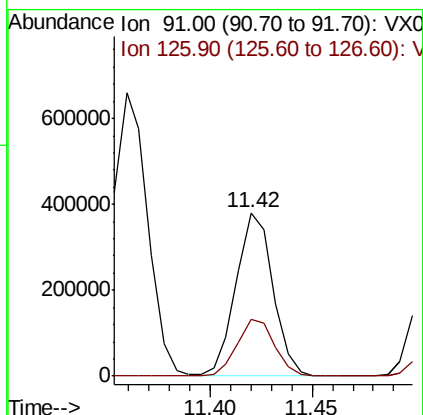
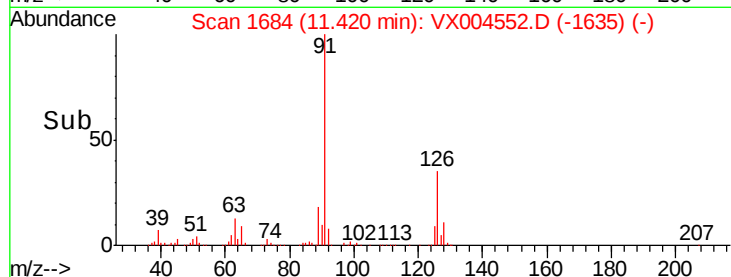
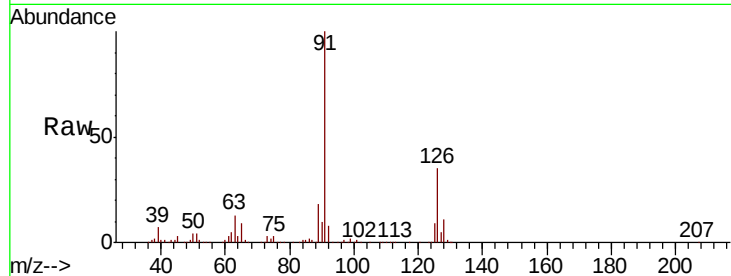
126 35.6 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.13 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004552.D

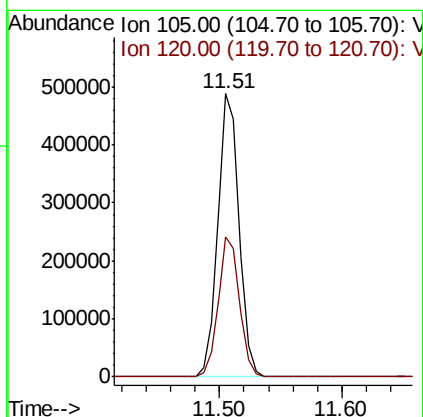
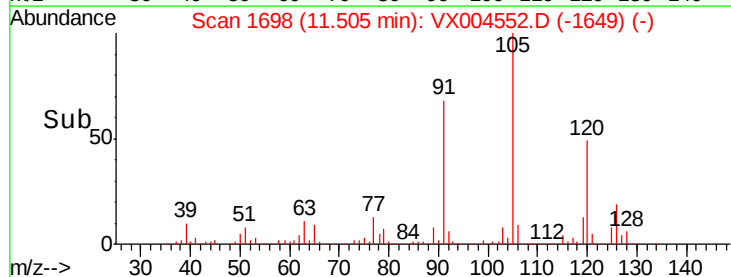
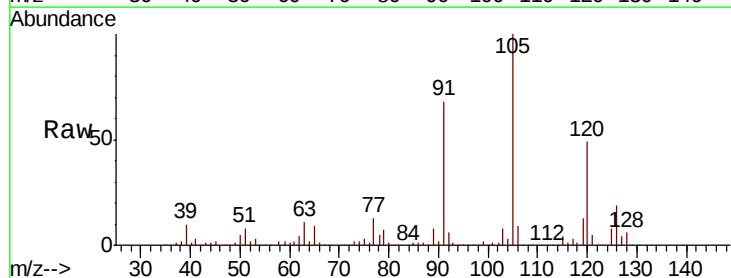
Acq: 14 Sep 2018 20:40

Tgt Ion: 105 Resp: 591573

Ion Ratio Lower Upper

105 100

120 49.6 25.6 76.8





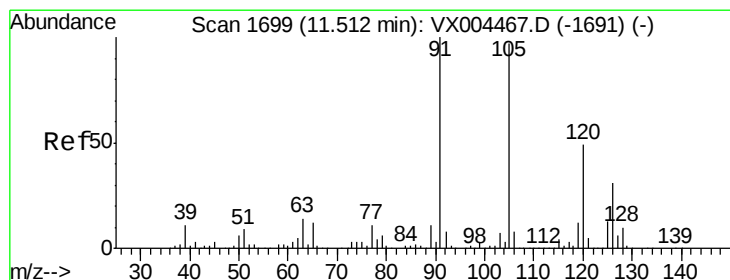
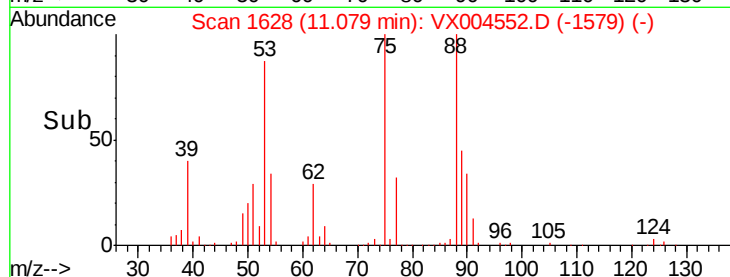
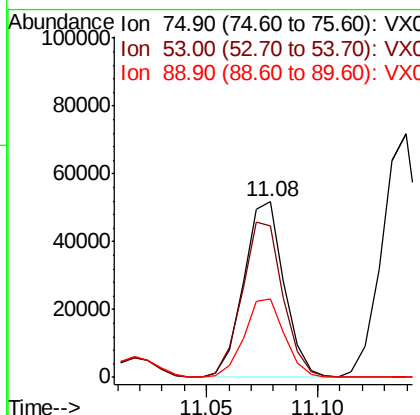
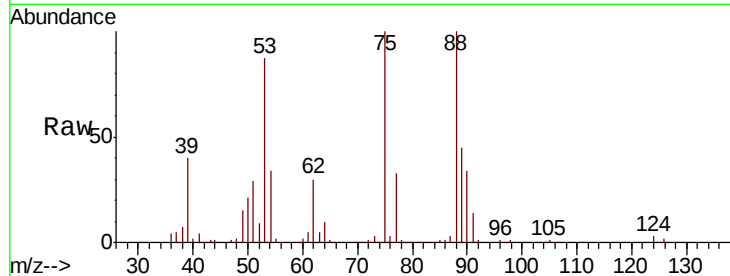
#81
trans-1,4-Dichloro-2-butene
Concen: 52.14 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.2	80.1	120.1
89	45.1	37.2	55.8

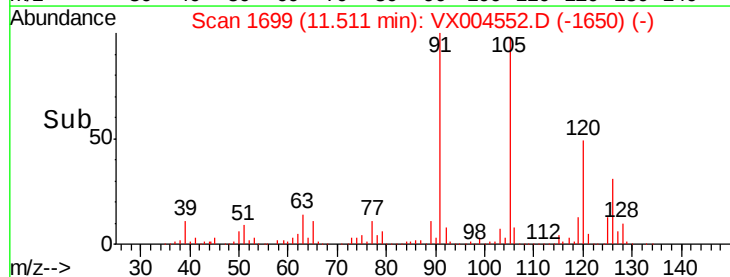
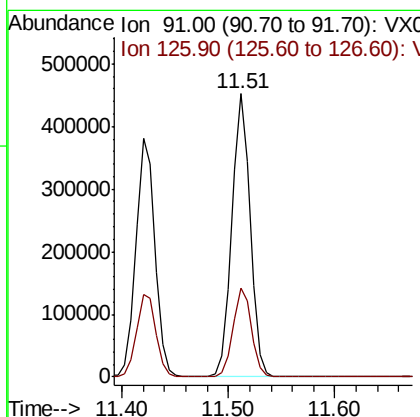
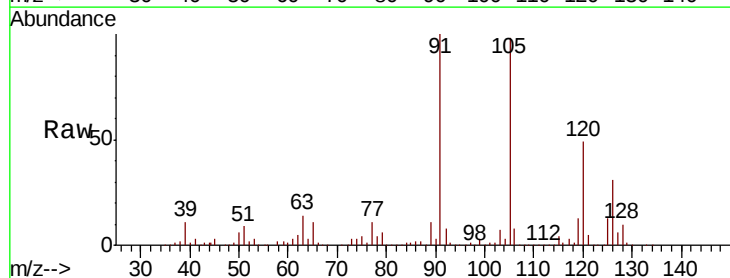
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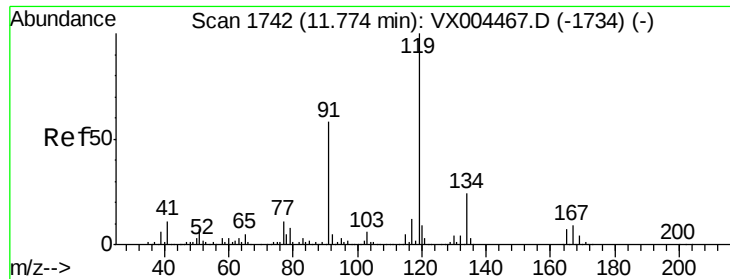
MMDadoda
9/17/2018 5:09:27 PM



#82
4-Chlorotoluene
Concen: 52.02 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.5	46.5





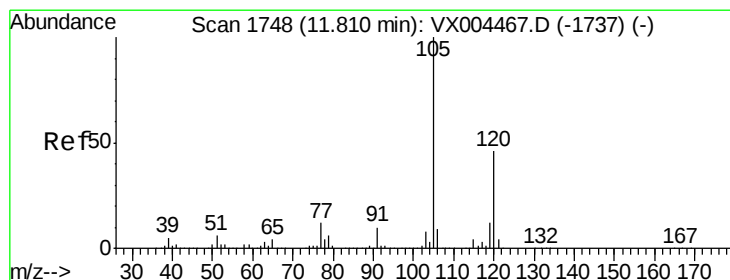
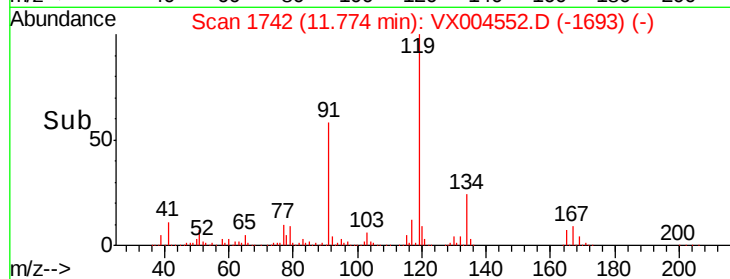
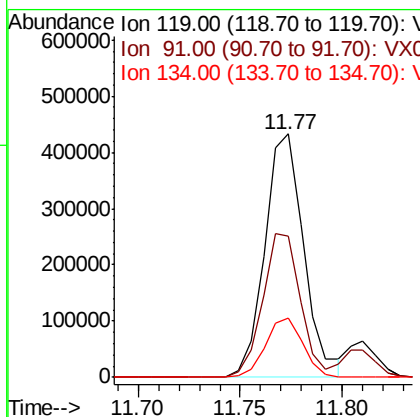
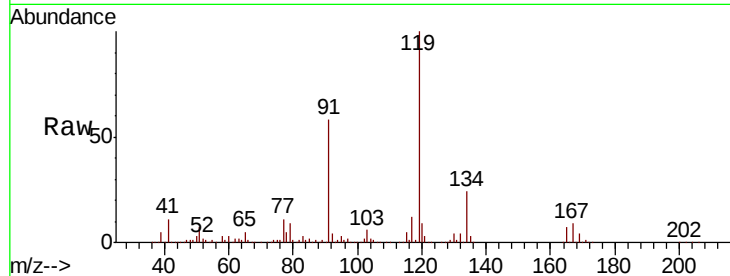
#83
 tert-Butylbenzene
 Concen: 55.45 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	576919		
91	57.0		27.0	81.0
134	23.4		11.7	35.1

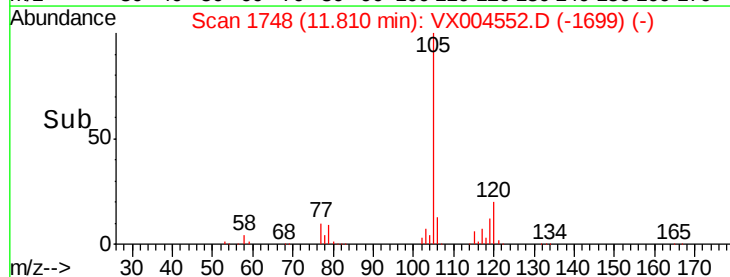
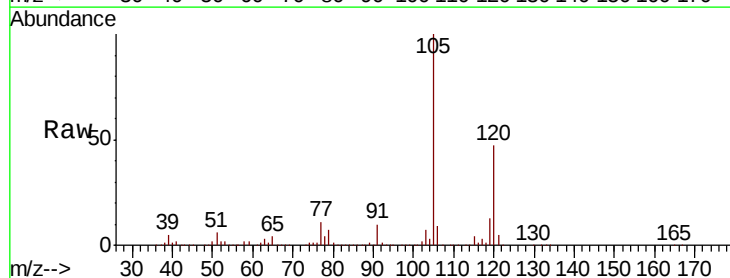
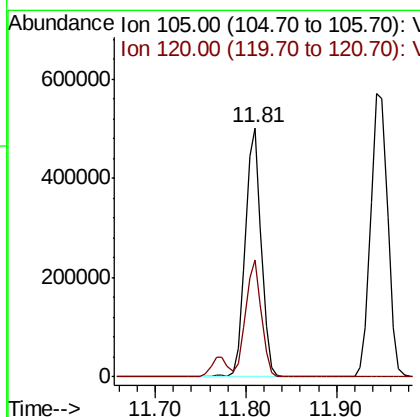
Manual Integrations
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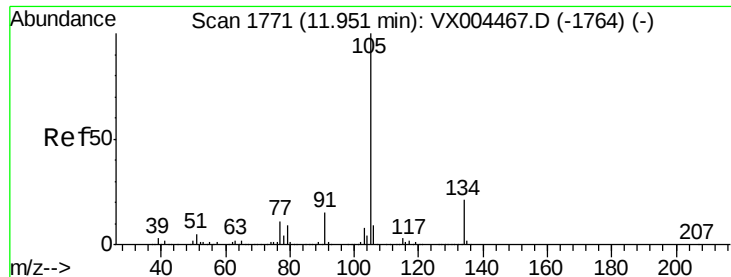
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.70 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	610345		
120	45.9		23.2	69.6





#85

sec-Butylbenzene

Concen: 56.38 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 747433

Ion Ratio Lower Upper

105 100

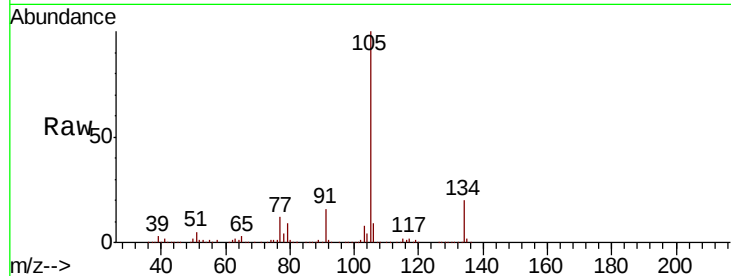
134 20.2 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

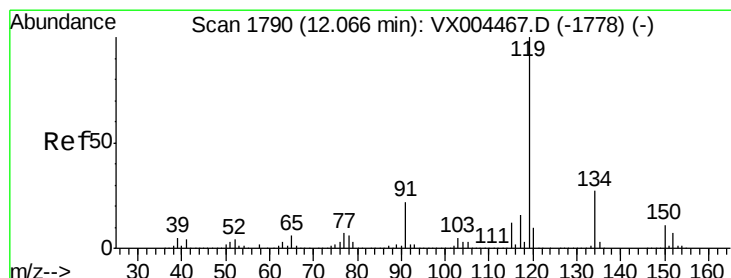
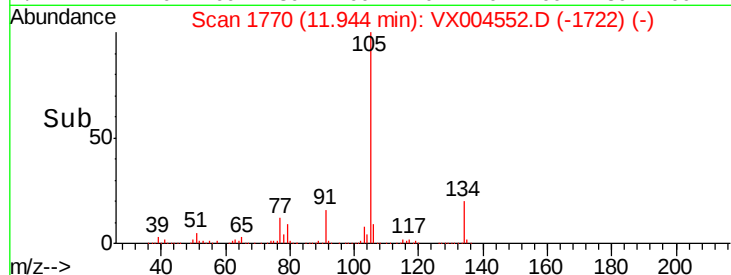
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 56.13 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

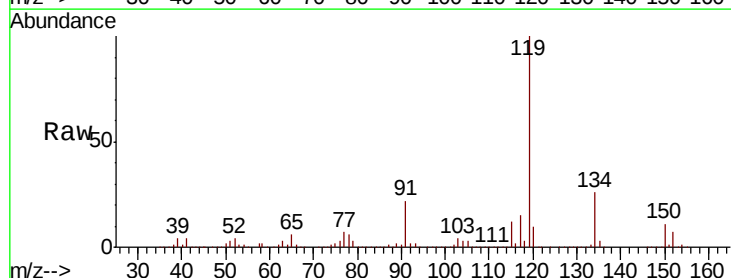
Tgt Ion:119 Resp: 657205

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.3 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

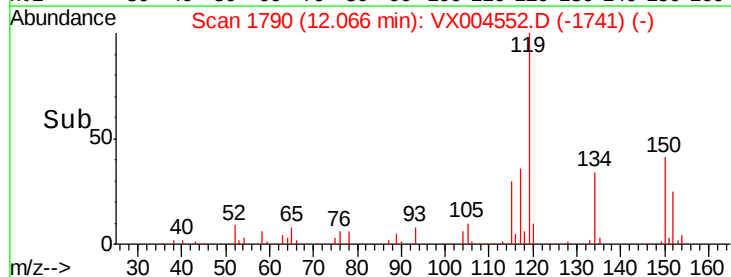
600000

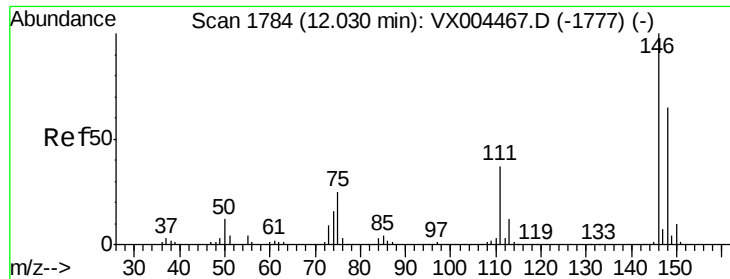
400000

200000

0

Time-->





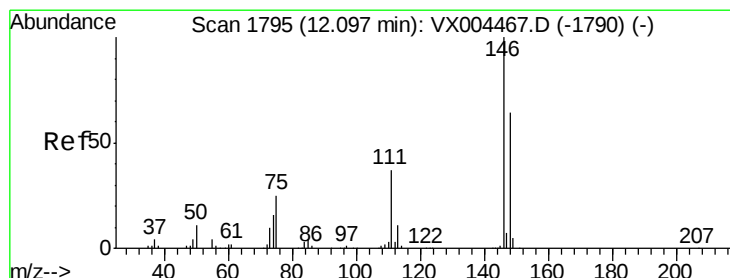
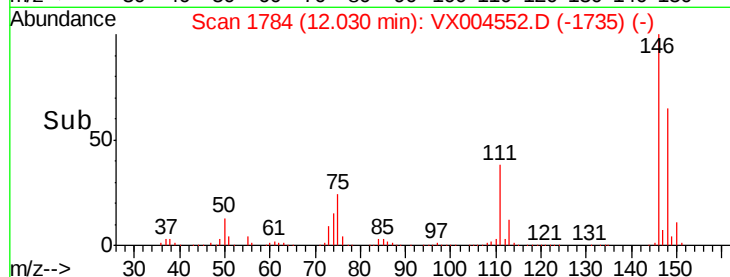
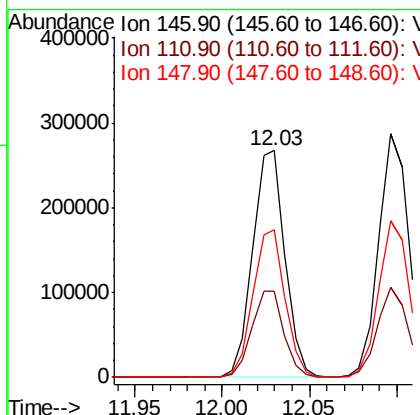
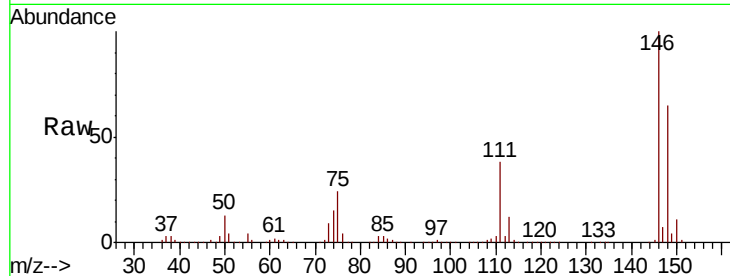
#87
 1,3-Dichlorobenzene
 Concen: 51.13 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.7	56.1
148	64.6	32.1	96.5

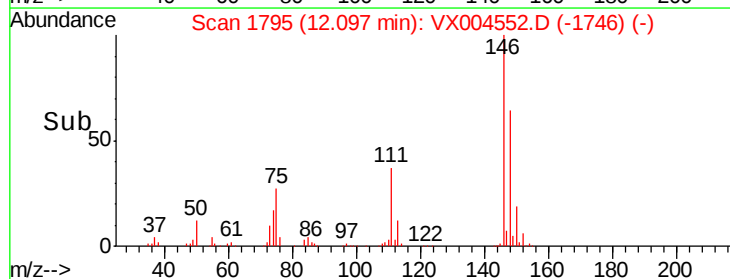
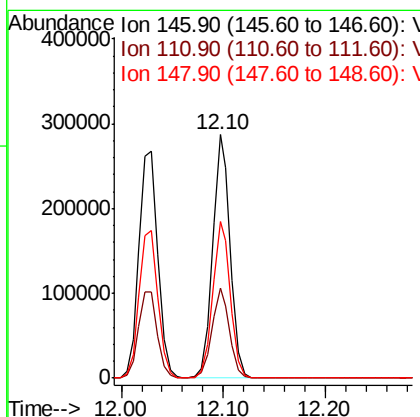
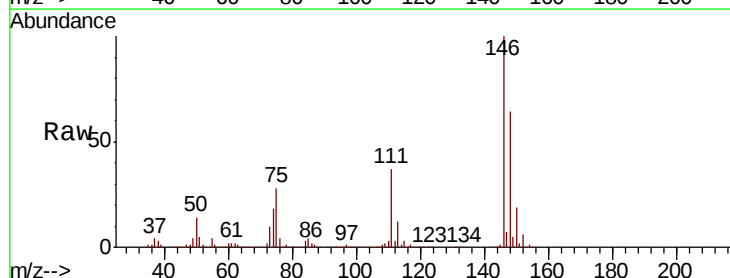
Manual Integrations
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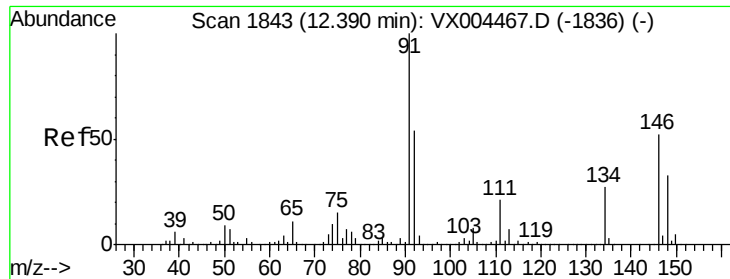
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 49.99 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	64.8	32.0	96.0





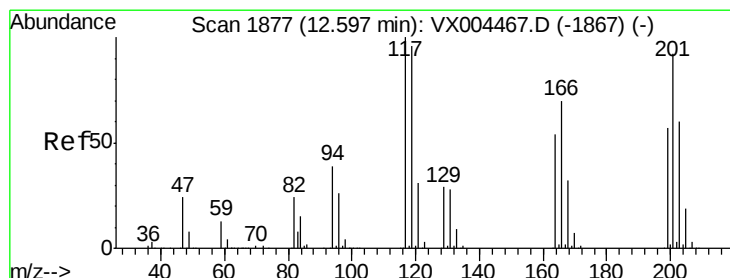
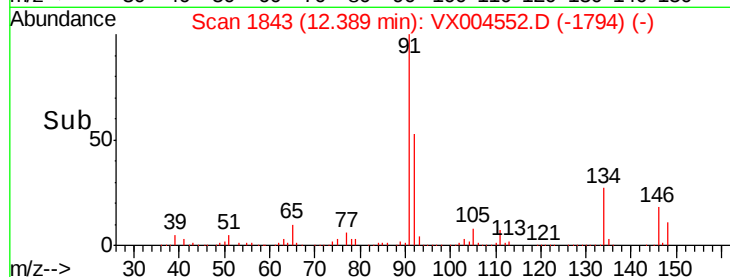
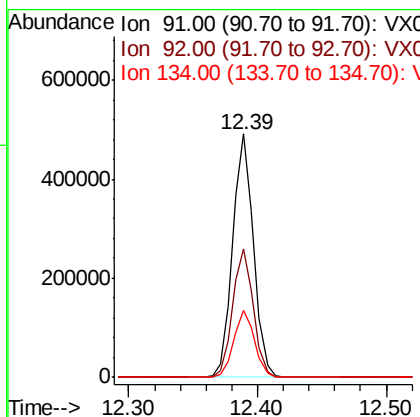
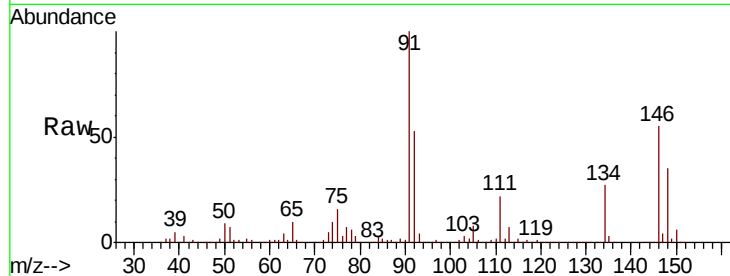
#89
n-Butylbenzene
Concen: 52.11 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.3	81.9
134	27.1	13.6	40.7

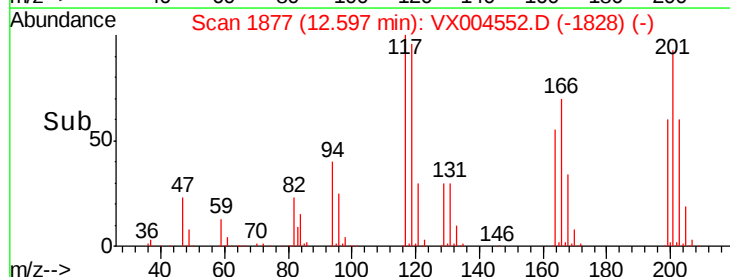
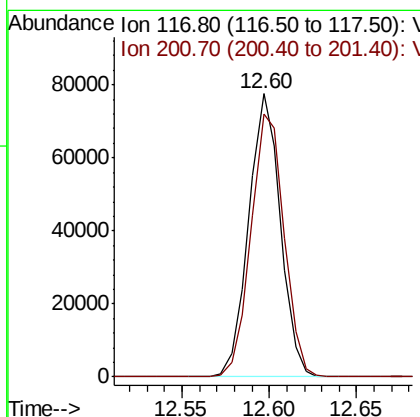
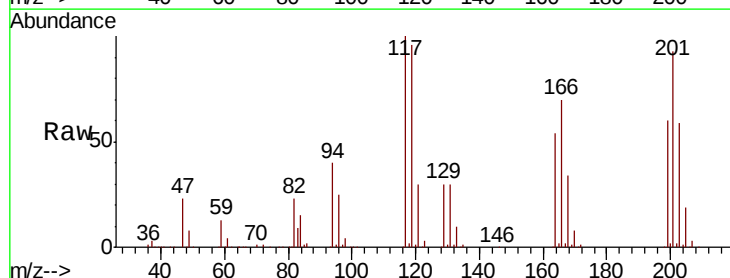
Manual Integrations
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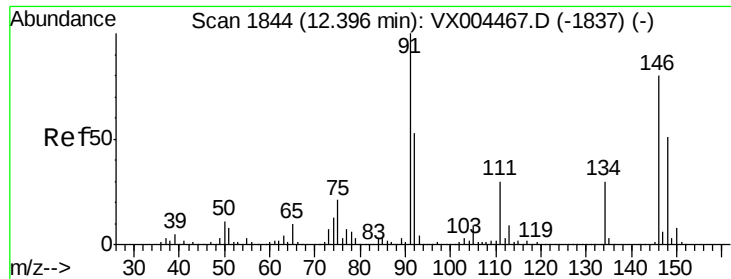
MMDadoda
9/17/2018 5:09:27 PM



#90
Hexachloroethane
Concen: 52.00 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004552.D
Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.4	46.9	140.6





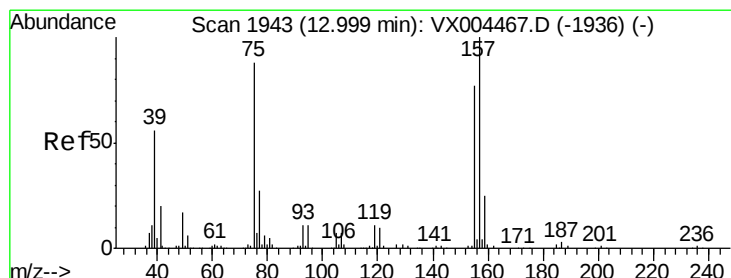
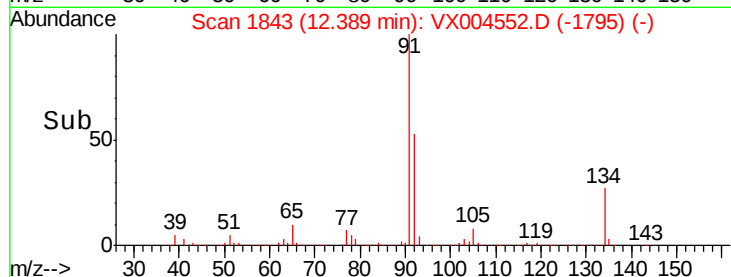
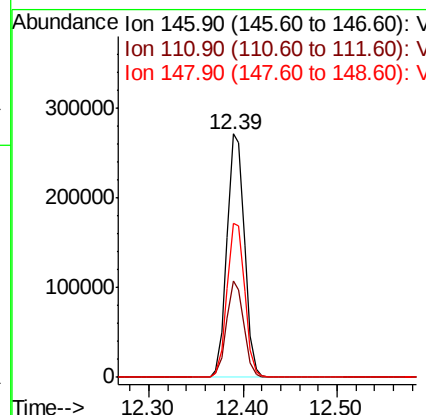
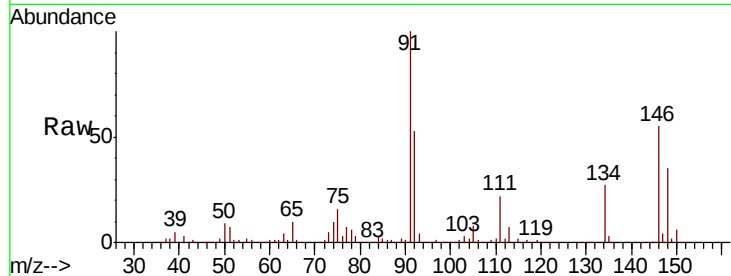
#91
 1,2-Dichlorobenzene
 Concen: 51.53 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	64.1	32.8	98.3

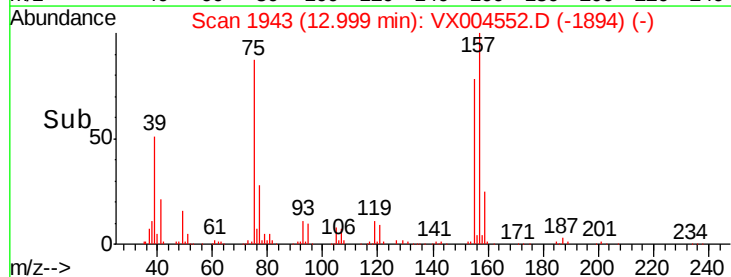
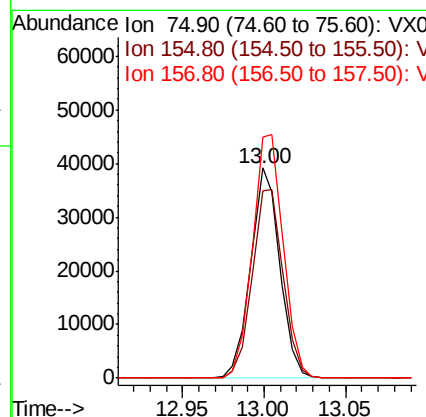
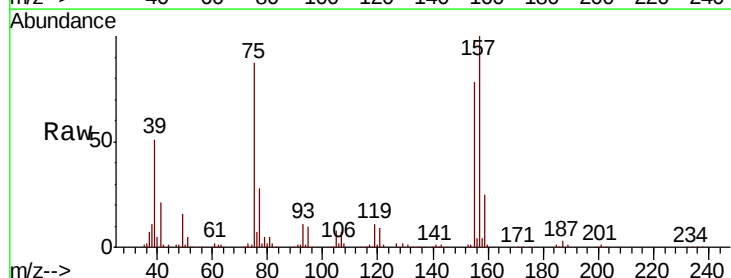
Manual Integrations
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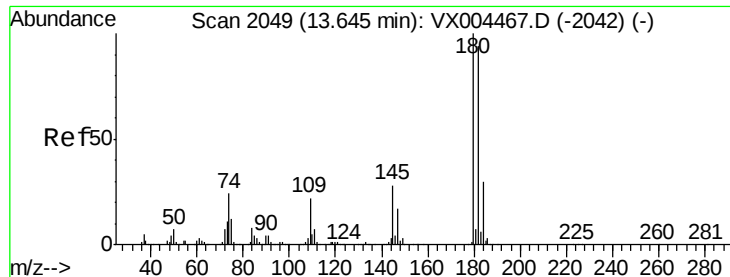
MMDadoda
 9/17/2018 5:09:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.59 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	48.0	144.2
157	122.3	61.4	184.1





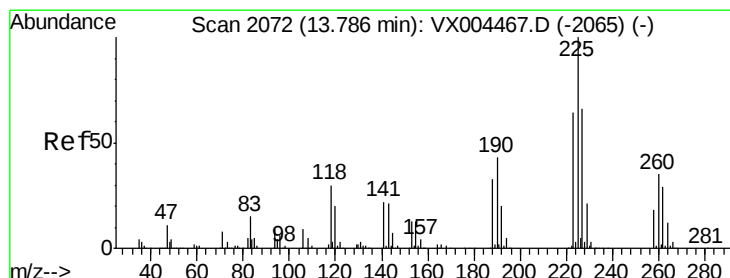
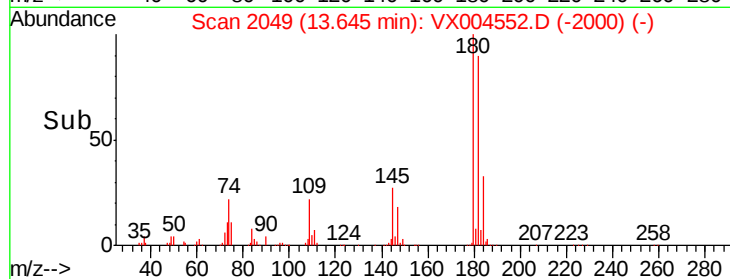
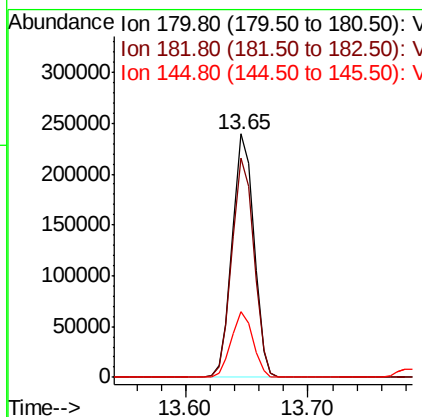
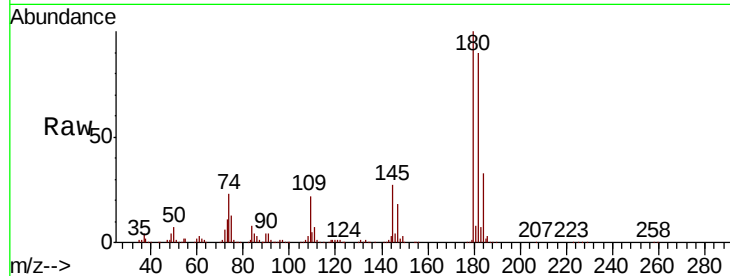
#93
 1,2,4-Trichlorobenzene
 Concen: 61.10 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	293533
Ion Ratio	Lower	Upper	
180	100		
182	91.6	48.4	145.0
145	26.8	14.3	42.9

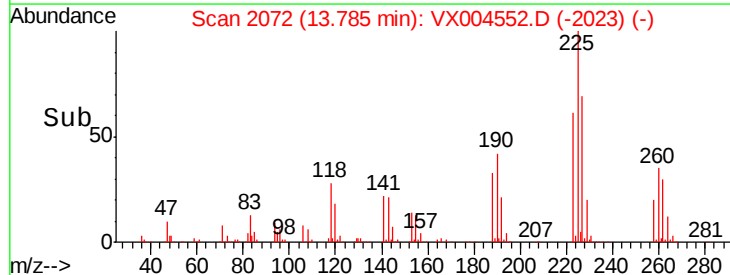
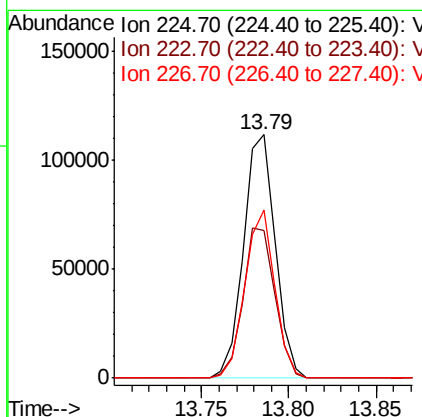
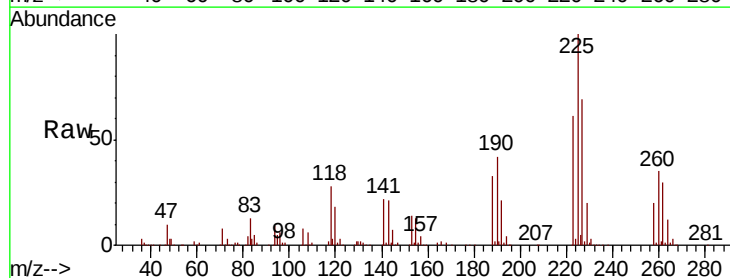
Manual Integrations
 APPROVED

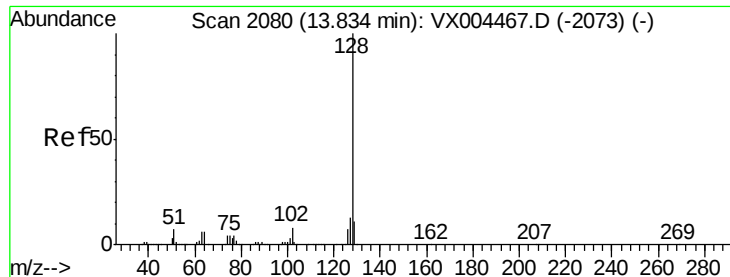
MMDadoda
 9/17/2018 5:09:27 PM



#94
 Hexachlorobutadiene
 Concen: 55.93 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004552.D
 Acq: 14 Sep 2018 20:40

Tgt Ion:	225	Resp:	140374
Ion Ratio	Lower	Upper	
225	100		
223	62.5	30.1	90.5
227	65.2	30.8	92.4





#95

Naphthalene

Concen: 59.20 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Instrument :

MSVOA_X

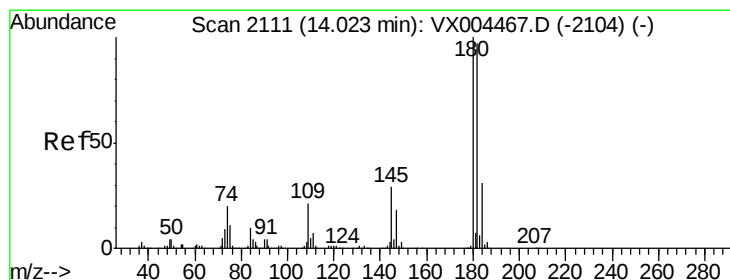
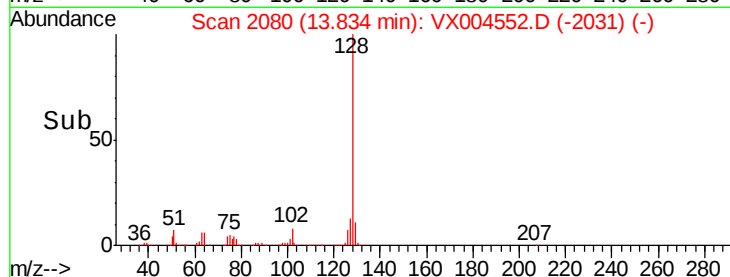
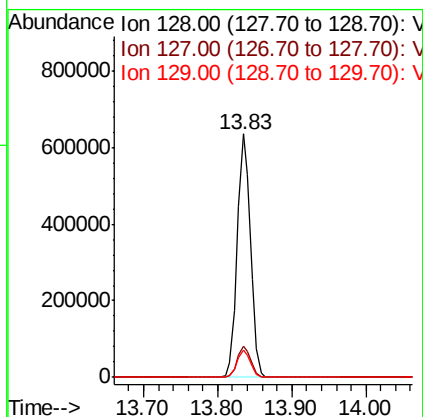
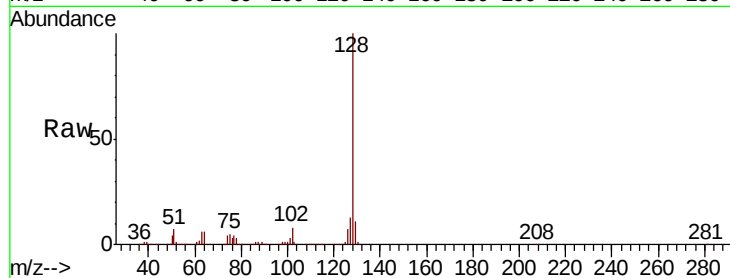
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	797682
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 5:09:27 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.10 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004552.D

Acq: 14 Sep 2018 20:40

Tgt Ion:	180	Resp:	271959
Ion Ratio	Lower	Upper	
180	100		
182	97.7	48.5	145.6
145	30.1	14.9	44.9

