

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
 Data File : VX004484.D
 Acq On : 12 Sep 2018 10:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 10:58:07 AM

Quant Time: Sep 13 01:12:08 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	260801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	353368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	210833	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	164420	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	5.50	113	145491	44.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.98%	
50) Toluene-d8	8.71	98	548629	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.14	95	199798	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	133028	54.43	ug/l	91
3) Chloromethane	1.32	50	167212	49.71	ug/l	100
4) Vinyl Chloride	1.40	62	175652	50.88	ug/l	98
5) Bromomethane	1.64	94	87558	60.83	ug/l	100
6) Chloroethane	1.71	64	113372	50.78	ug/l	92
7) Trichlorofluoromethane	1.92	101	232586	50.82	ug/l	99
8) Diethyl Ether	2.18	74	99859	48.67	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	147919	50.95	ug/l	99
10) Methyl Iodide	2.51	142	165658	47.92	ug/l	98
11) Tert butyl alcohol	3.07	59	189915	236.68	ug/l	100
12) 1,1-Dichloroethene	2.37	96	135290	49.65	ug/l	97
13) Acrolein	2.29	56	77514	244.72	ug/l	96
14) Allyl chloride	2.73	41	288471	51.49	ug/l	95
15) Acrylonitrile	3.15	53	475393	246.02	ug/l	100
16) Acetone	2.45	43	392646	239.23	ug/l	99
17) Carbon Disulfide	2.56	76	407273	51.71	ug/l	99
18) Methyl Acetate	2.78	43	220784	47.95	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	484579	50.68	ug/l	98
20) Methylene Chloride	2.85	84	158295	47.01	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	148990	49.48	ug/l	99
22) Diisopropyl ether	3.87	45	499274	49.48	ug/l	94
23) Vinyl Acetate	3.82	43	2230141	273.12	ug/l	96
24) 1,1-Dichloroethane	3.69	63	289040	50.74	ug/l	98
25) 2-Butanone	4.70	43	583560	223.40	ug/l	97
26) 2,2-Dichloropropane	4.57	77	210483	53.79	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	161195	47.95	ug/l	95
28) Bromochloromethane	5.01	49	133992	51.42	ug/l	93
29) Tetrahydrofuran	5.17	42	387714	246.12	ug/l	96
30) Chloroform	5.21	83	275594	49.55	ug/l	94
31) Cyclohexane	5.56	56	252813	51.97	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	232028	51.80	ug/l	97
36) 1,1-Dichloropropene	5.80	75	213816	49.84	ug/l	99
37) Ethyl Acetate	4.86	43	223697	45.85	ug/l	99
38) Carbon Tetrachloride	5.77	117	203218	48.50	ug/l	91

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	255599	57.09	ug/l	97
40) Benzene	6.14	78	617254	48.49	ug/l	99
41) Methacrylonitrile	5.06	41	124537	46.32	ug/l	98
42) 1,2-Dichloroethane	6.20	62	201180	47.65	ug/l	98
43) Isopropyl Acetate	6.46	43	329799	50.89	ug/l	99
44) Trichloroethene	7.21	130	167308	50.59	ug/l	95
45) 1,2-Dichloropropane	7.52	63	161301	52.66	ug/l	100
46) Dibromomethane	7.66	93	100259	51.81	ug/l	98
47) Bromodichloromethane	7.90	83	193086	52.77	ug/l	100
48) Methyl methacrylate	7.78	41	174897	54.53	ug/l	97
49) 1,4-Dioxane	7.76	88	79155	1042.75	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1119371	244.76	ug/l	98
52) Toluene	8.79	92	382103	50.95	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	222259	52.00	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	242600	55.68	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	153780	47.62	ug/l	99
56) Ethyl methacrylate	9.18	69	233801	51.18	ug/l	98
57) 1,3-Dichloropropane	9.37	76	256130	48.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	594521	255.28	ug/l	96
59) 2-Hexanone	9.50	43	875059	249.45	ug/l	97
60) Dibromochloromethane	9.59	129	156034	51.33	ug/l	100
61) 1,2-Dibromoethane	9.67	107	158467	51.37	ug/l	100
64) Tetrachloroethene	9.34	164	190605	45.07	ug/l	98
65) Chlorobenzene	10.14	112	426946	50.74	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	150049	51.71	ug/l	99
67) Ethyl Benzene	10.25	91	732578	53.55	ug/l	97
68) m/p-Xylenes	10.36	106	577080	109.50	ug/l	97
69) o-Xylene	10.70	106	274580	54.19	ug/l	99
70) Styrene	10.71	104	469324	55.91	ug/l	99
71) Bromoform	10.86	173	123871	51.99	ug/l	98
73) Isopropylbenzene	11.02	105	744453	53.61	ug/l	100
74) N-amyl acetate	10.90	43	311847	53.36	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	224392	50.10	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	213041m	50.22	ug/l	
77) Bromobenzene	11.26	156	196486	51.20	ug/l	98
78) n-propylbenzene	11.36	91	878103	55.00	ug/l	99
79) 2-Chlorotoluene	11.42	91	505280	52.18	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	639330	54.77	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	73963	55.58	ug/l	94
82) 4-Chlorotoluene	11.51	91	603503	53.40	ug/l	100
83) tert-Butylbenzene	11.77	119	606816	54.60	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	657051	55.13	ug/l	99
85) sec-Butylbenzene	11.95	105	779142	55.02	ug/l	99
86) p-Isopropyltoluene	12.07	119	704636	56.35	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	369960	51.67	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	374466	50.61	ug/l	99
89) n-Butylbenzene	12.39	91	643701	56.49	ug/l	98
90) Hexachloroethane	12.60	117	107933	53.91	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	367422	50.70	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50983	53.31	ug/l	99

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ClientSampleId :
VSTDCCC050

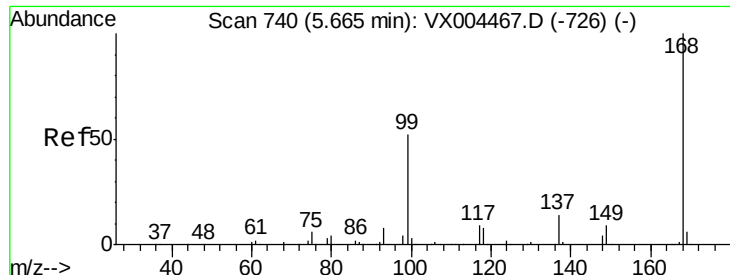
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	281091	54.77	ug/l	99
94) Hexachlorobutadiene	13.79	225	142085	53.00	ug/l	97
95) Naphthalene	13.83	128	798389	55.47	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	280021	53.11	ug/l	99

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



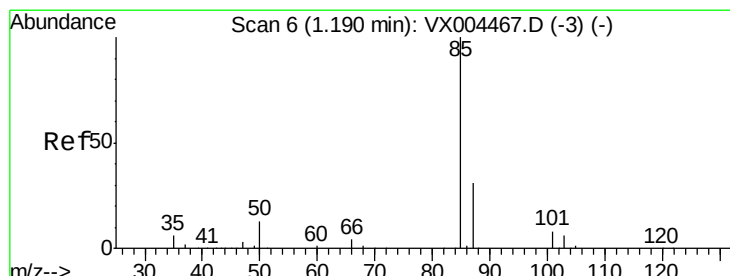
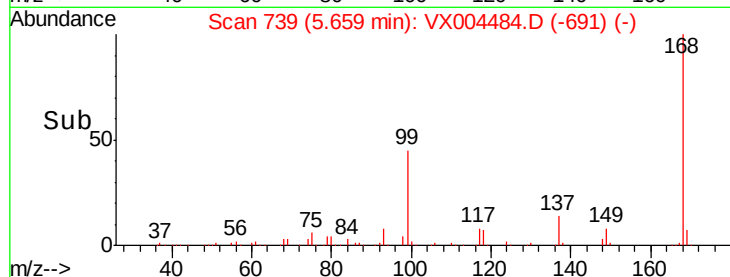
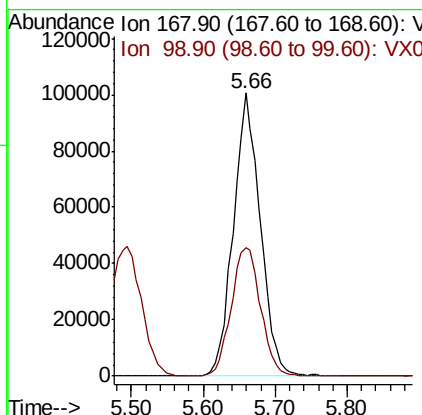
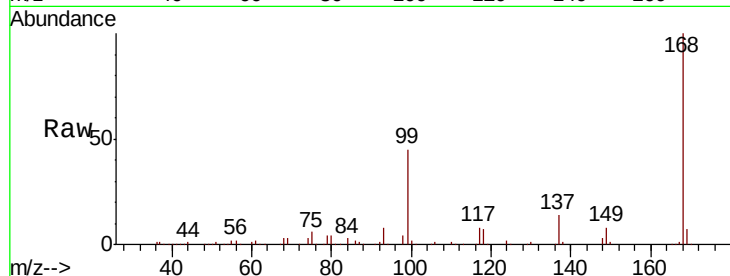
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
168	100	260801		
99	45.2	39.9	59.9	

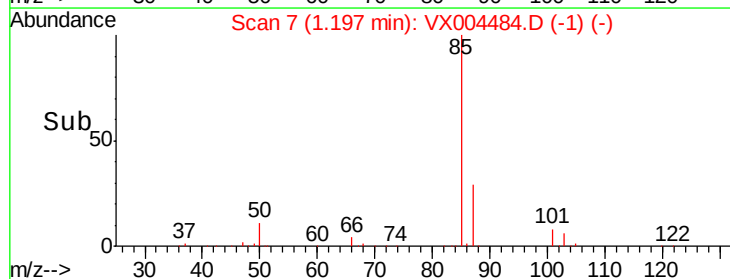
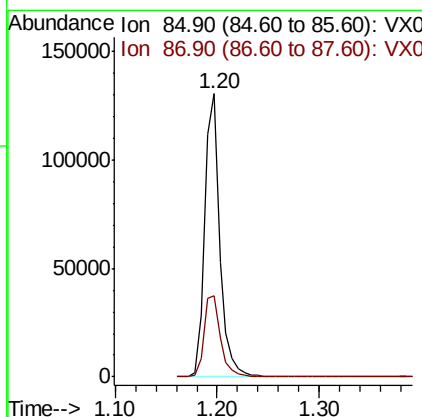
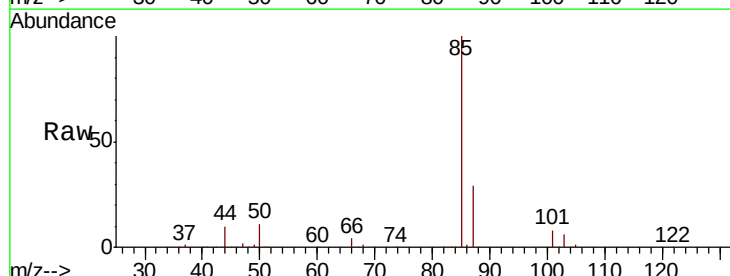
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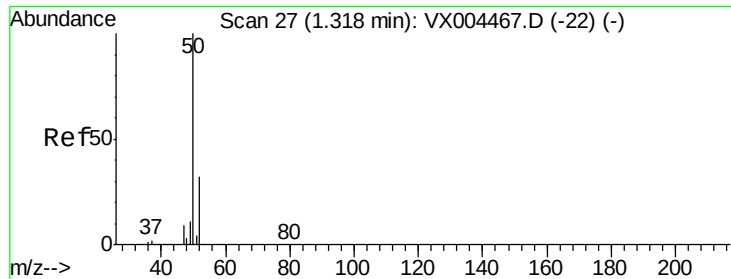
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#2
Dichlorodifluoromethane
Concen: 54.43 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.01 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	133028		
87	28.9	17.0	50.9	





#3

Chloromethane

Concen: 49.71 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 167212

Ion Ratio Lower Upper

50 100

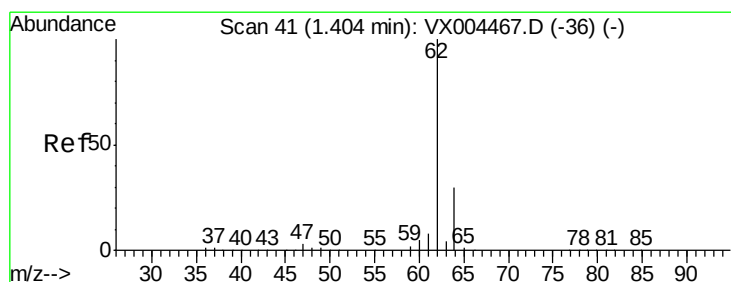
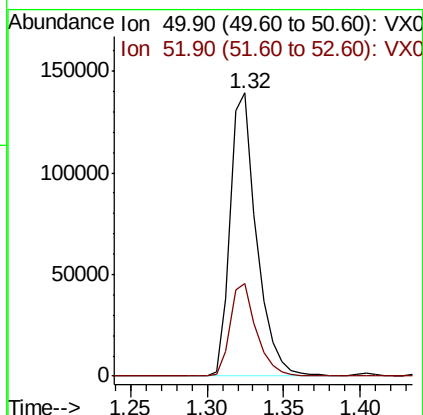
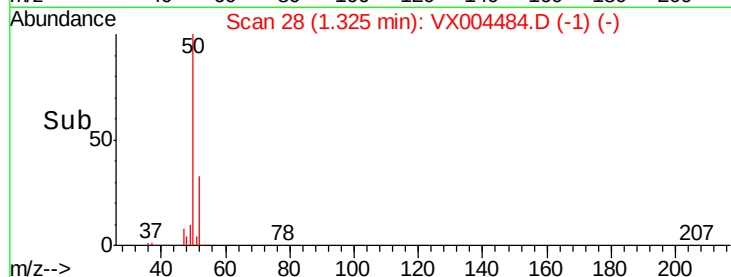
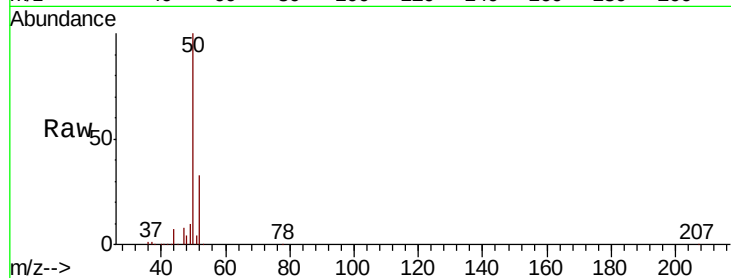
52 32.7 26.2 39.2

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#4

Vinyl Chloride

Concen: 50.88 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004484.D

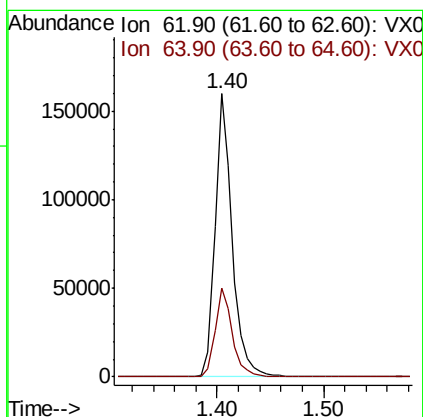
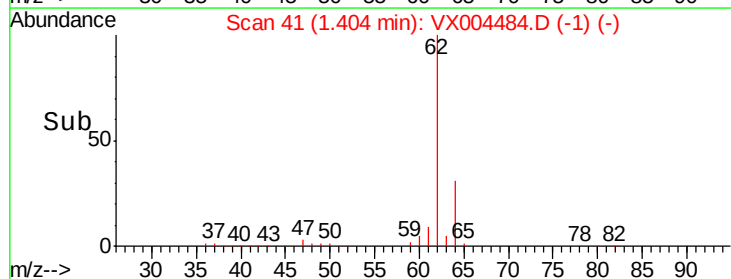
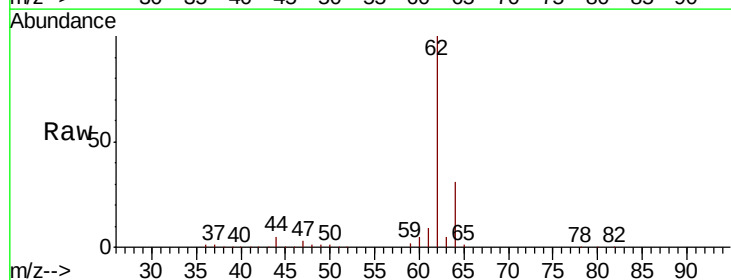
Acq: 12 Sep 2018 10:14

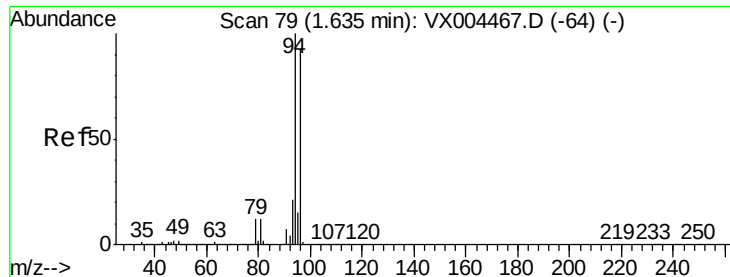
Tgt Ion: 62 Resp: 175652

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#5

Bromomethane

Concen: 60.83 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 87558

Ion Ratio Lower Upper

94 100

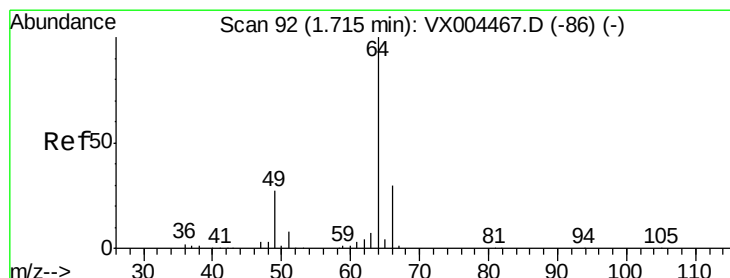
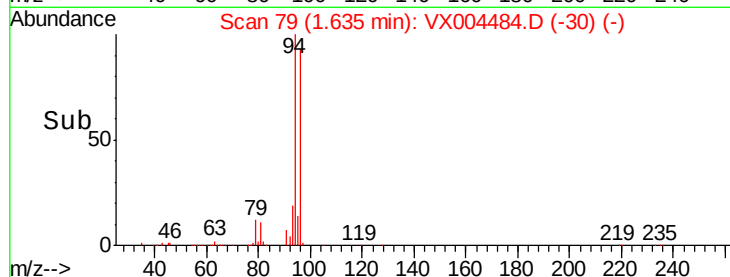
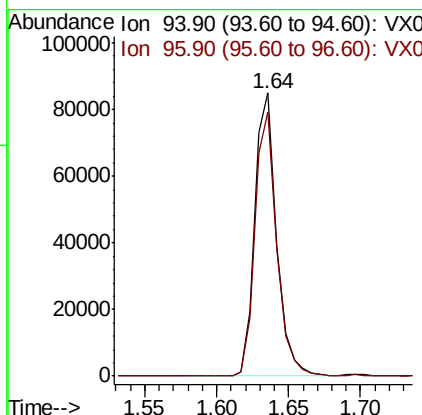
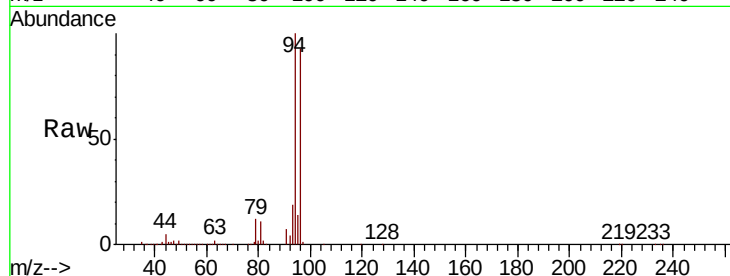
96 93.4 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 50.78 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004484.D

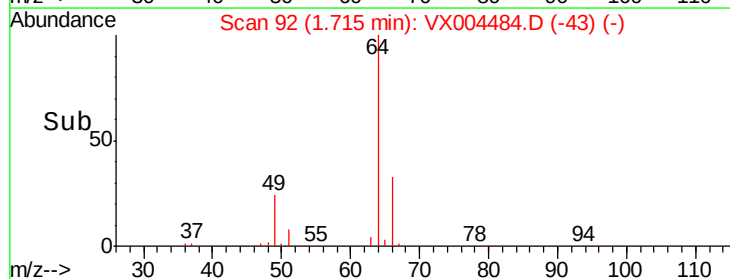
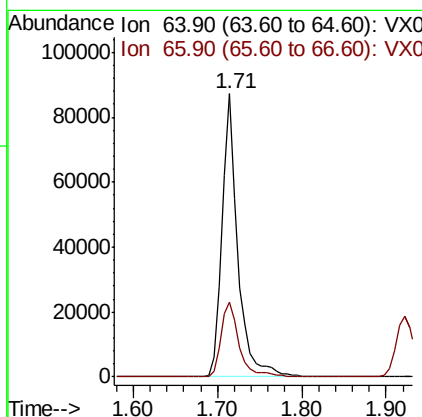
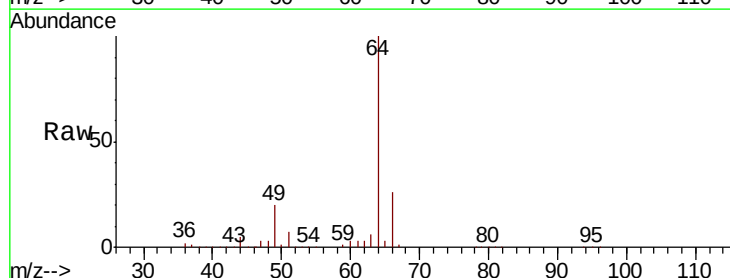
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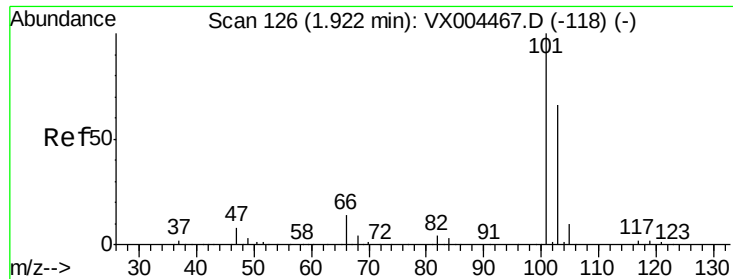
Tgt Ion: 64 Resp: 113372

Ion Ratio Lower Upper

64 100

66 26.3 24.6 36.8





#7

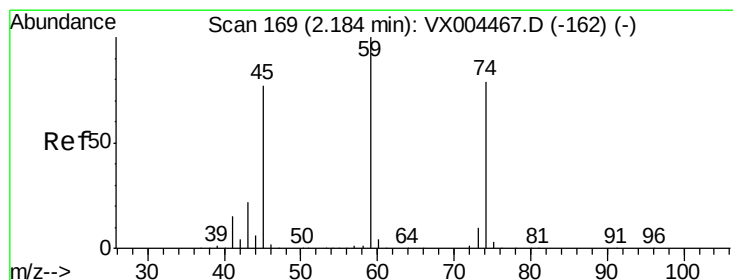
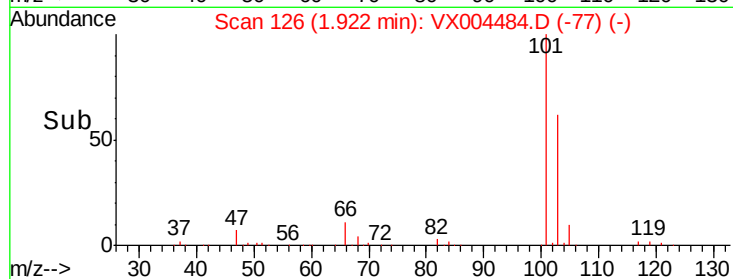
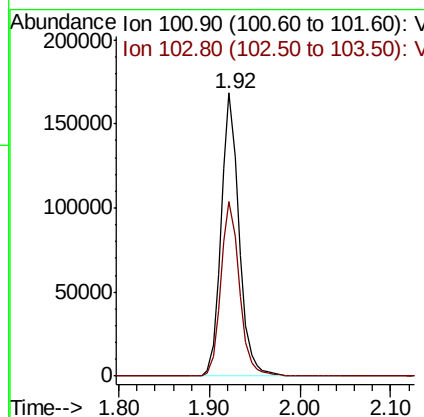
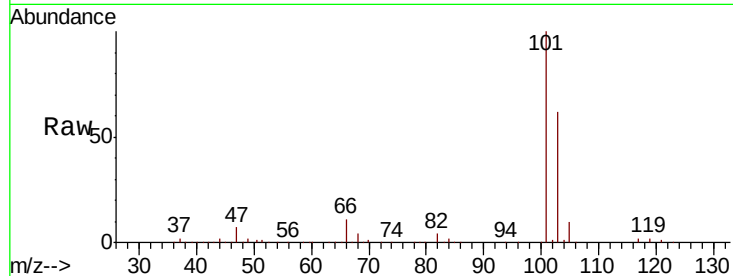
Trichlorofluoromethane
 Concen: 50.82 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	232586		
103	61.5	48.9	73.3	

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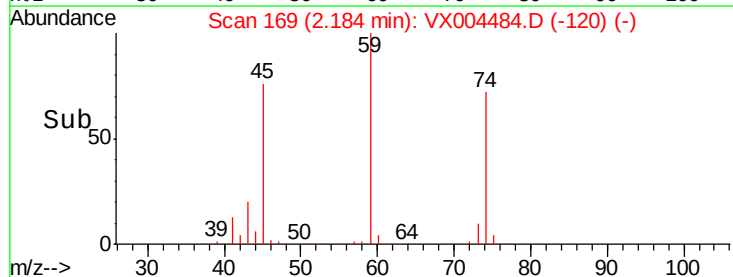
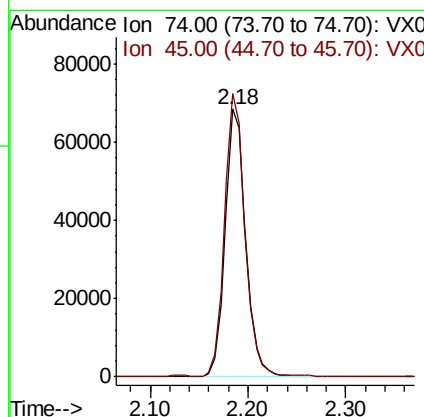
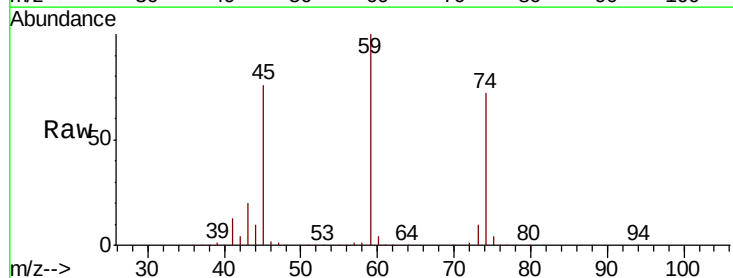
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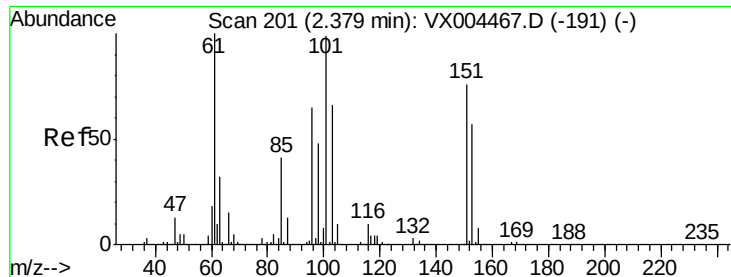


#8

Diethyl Ether
 Concen: 48.67 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	99859		
45	104.0	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.95 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

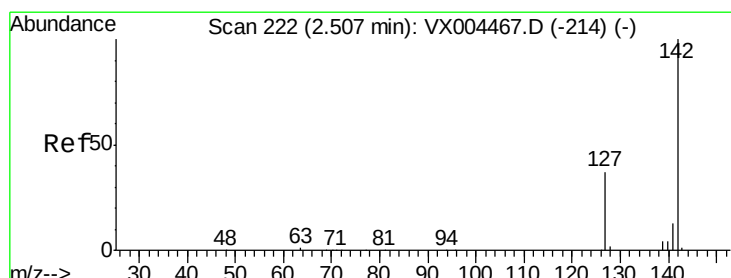
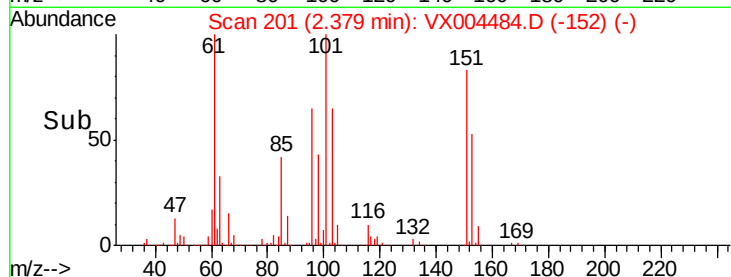
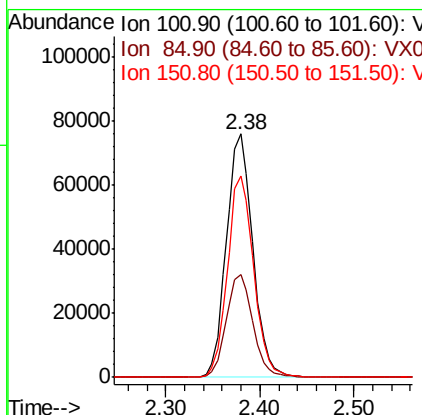
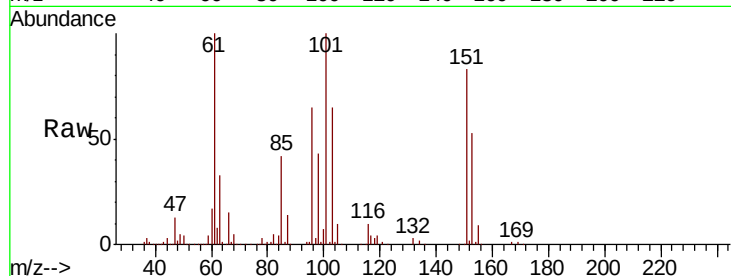
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	147919
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	82.2	65.0	97.6

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#10

Methyl Iodide

Concen: 47.92 ug/l

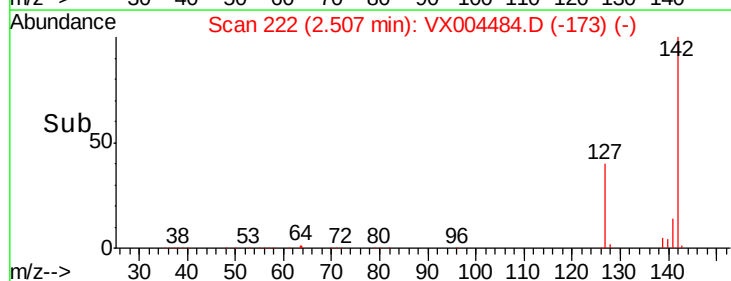
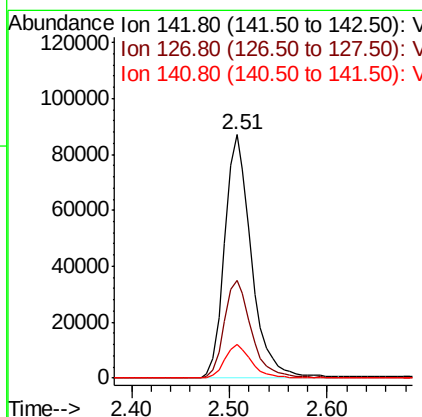
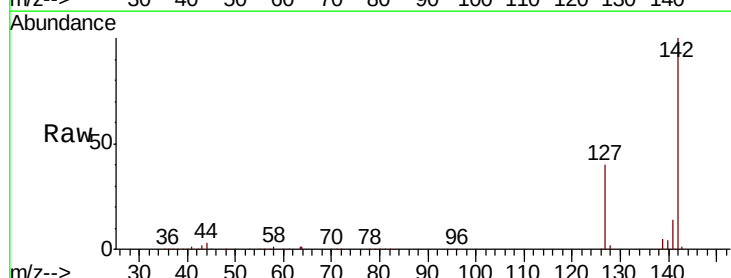
RT: 2.51 min Scan# 222

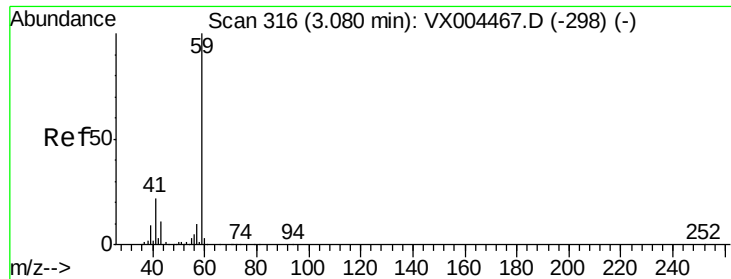
Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Tgt Ion:	142	Resp:	165658
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.8	50.6
141	13.8	11.4	17.0





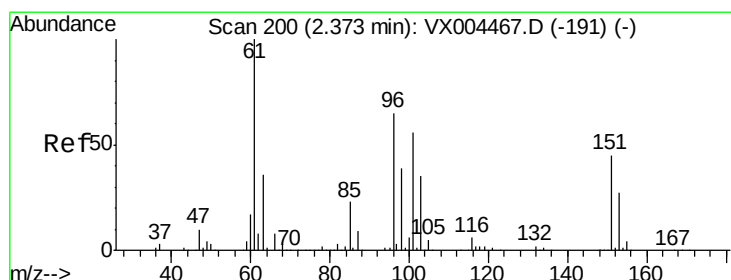
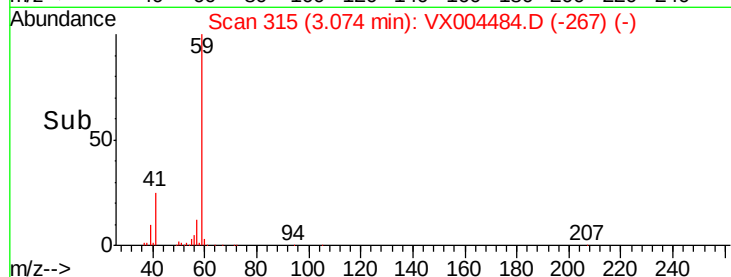
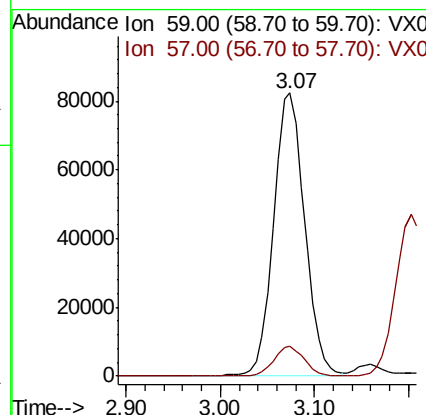
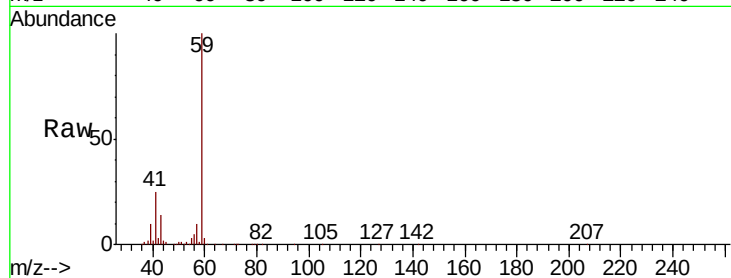
#11
Tert butyl alcohol
Concen: 236.68 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

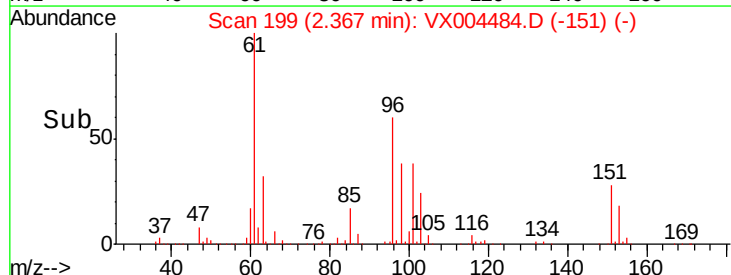
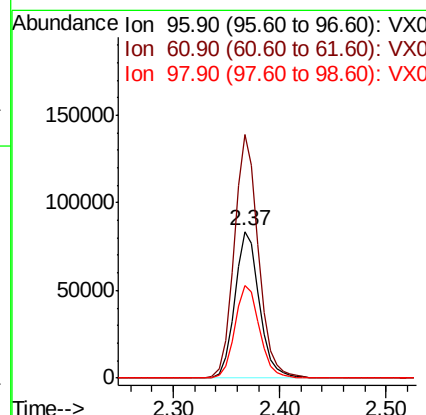
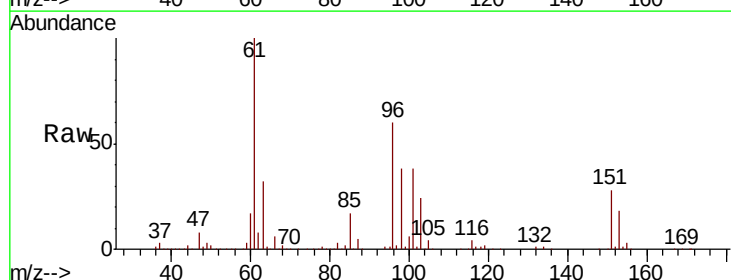
Manual Integrations
APPROVED

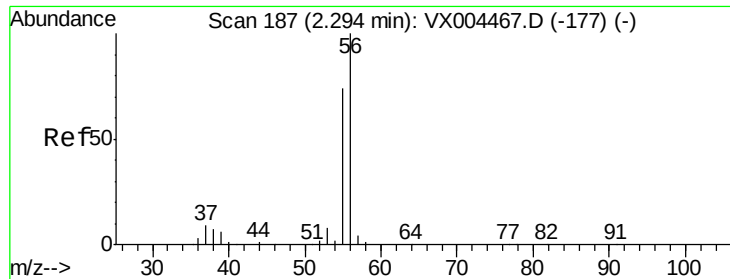
MMDadoda
9/13/2018 10:58:07 AM



#12
1,1-Dichloroethene
Concen: 49.65 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.9	128.8	193.2
98	63.1	52.2	78.2





#13

Acrolein

Concen: 244.72 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 77514

Ion Ratio Lower Upper

56 100

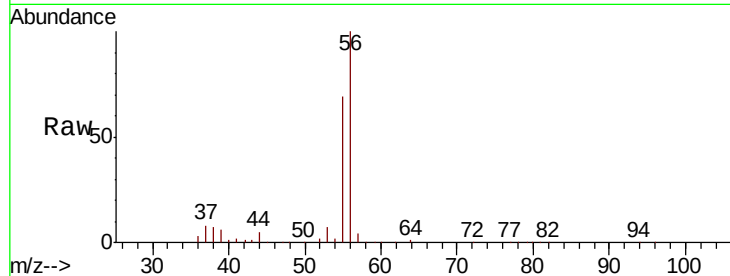
55 71.6 54.7 82.1

Manual Integrations

APPROVED

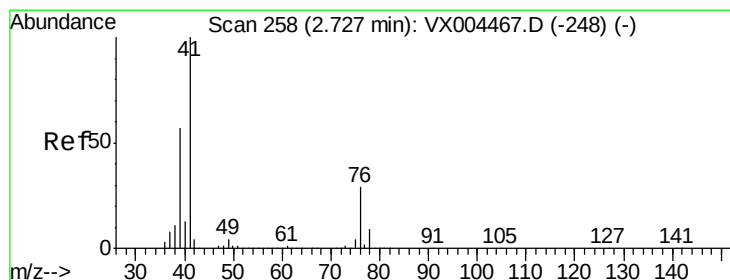
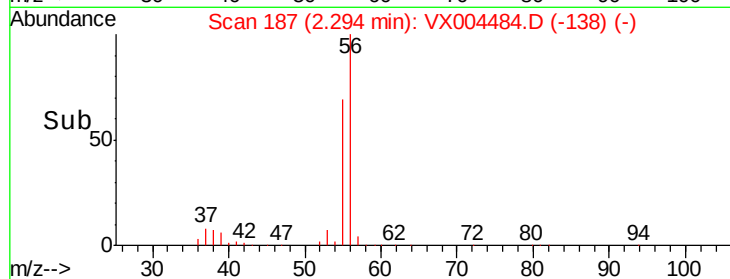
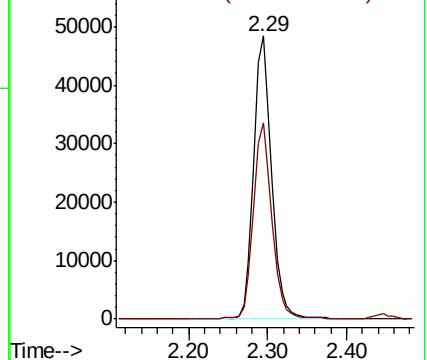
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 51.49 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

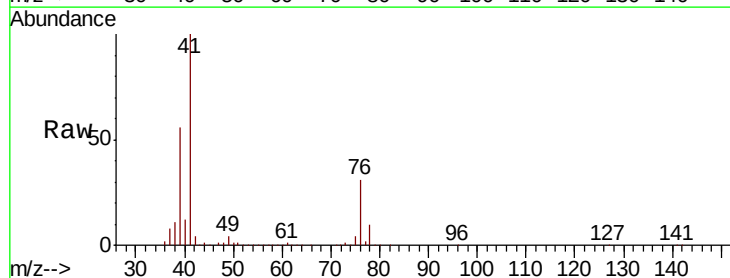
Tgt Ion: 41 Resp: 288471

Ion Ratio Lower Upper

41 100

39 56.6 48.9 73.3

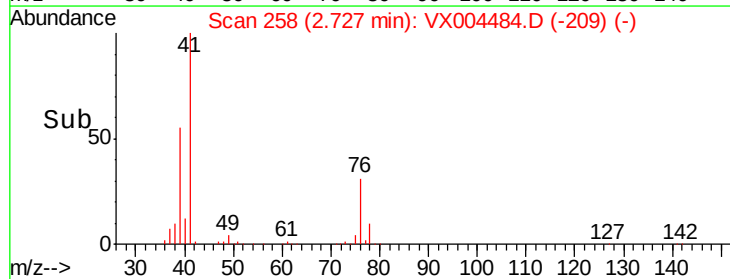
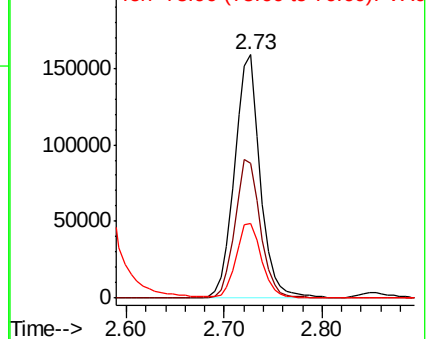
76 30.8 26.7 40.1

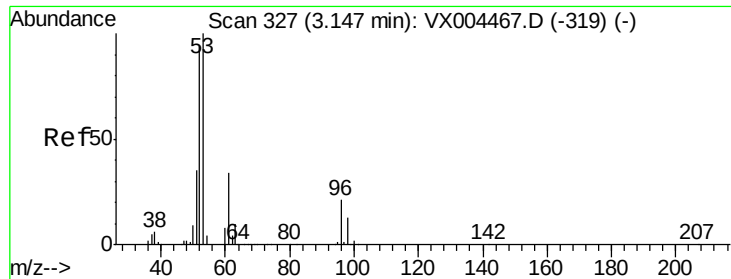


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 246.02 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

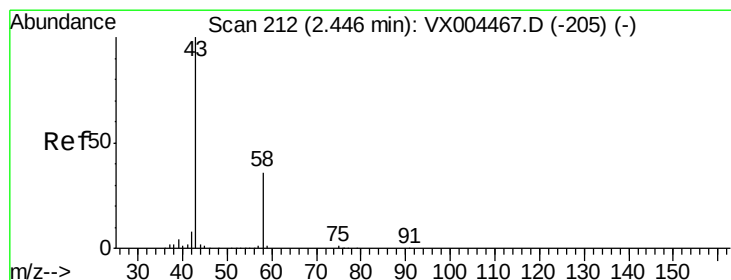
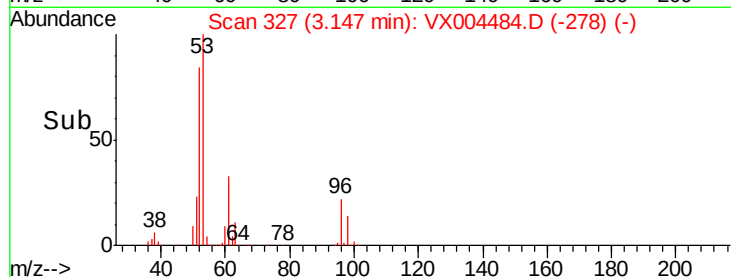
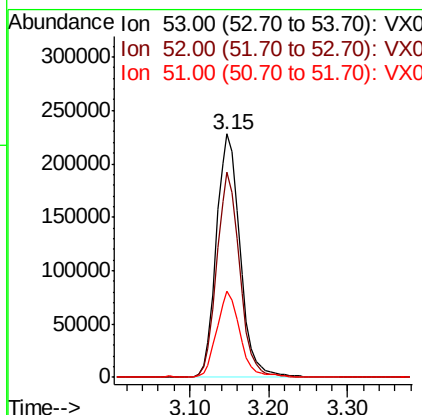
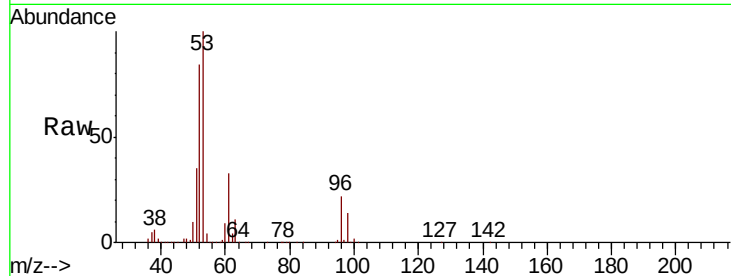
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	475393
Ion Ratio		Lower	Upper
53	100		
52	81.8	65.2	97.8
51	34.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 239.23 ug/l

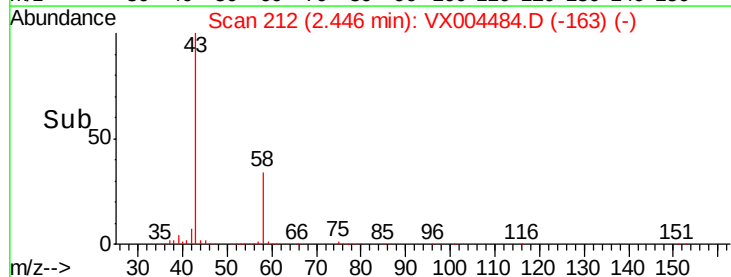
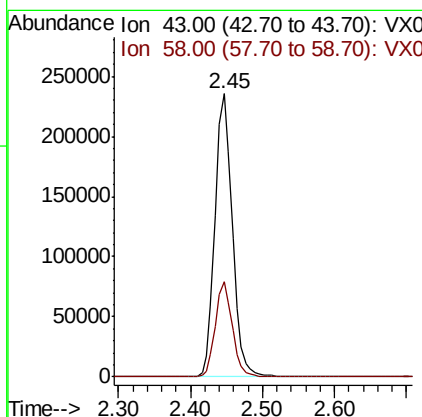
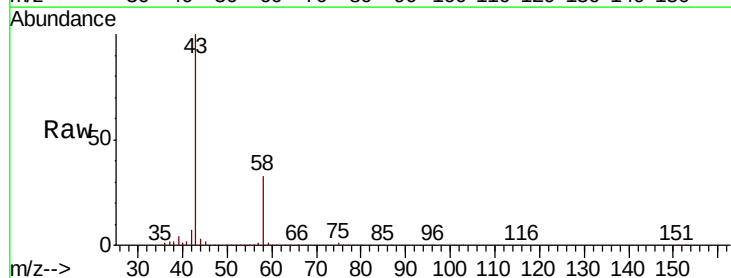
RT: 2.45 min Scan# 212

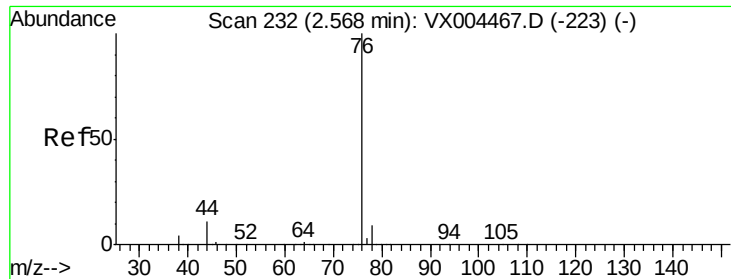
Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Tgt Ion:	43	Resp:	392646
Ion Ratio		Lower	Upper
43	100		
58	33.5	26.2	39.4





#17

Carbon Disulfide

Concen: 51.71 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 407273

Ion Ratio Lower Upper

76 100

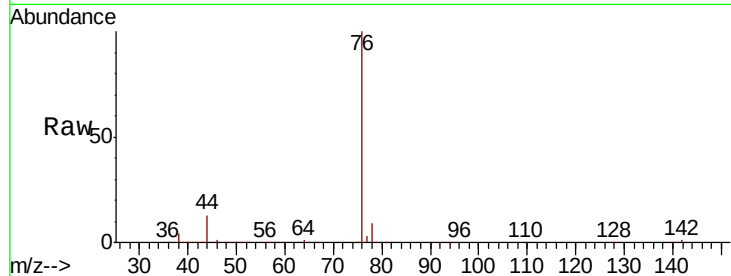
78 9.3 7.0 10.6

Manual Integrations

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MMDadoda

9/13/2018 10:58:07 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

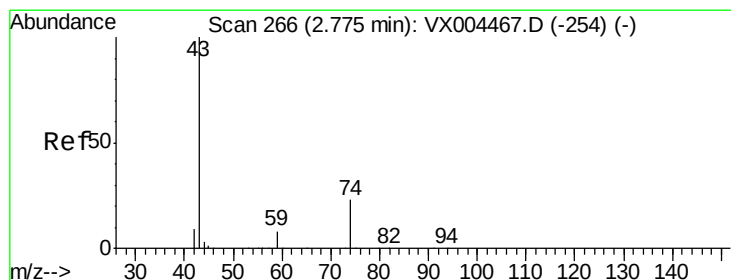
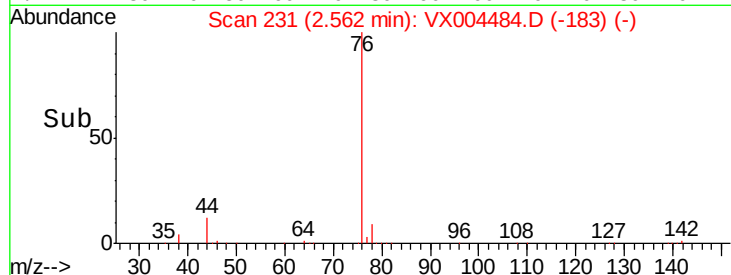
100000

50000

0

2.50 2.60 2.70

Time-->



#18

Methyl Acetate

Concen: 47.95 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004484.D

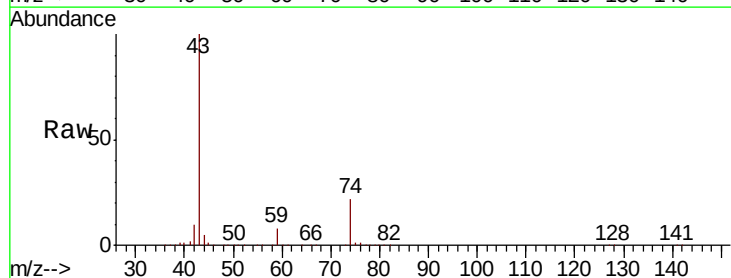
Acq: 12 Sep 2018 10:14

Tgt Ion: 43 Resp: 220784

Ion Ratio Lower Upper

43 100

74 22.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

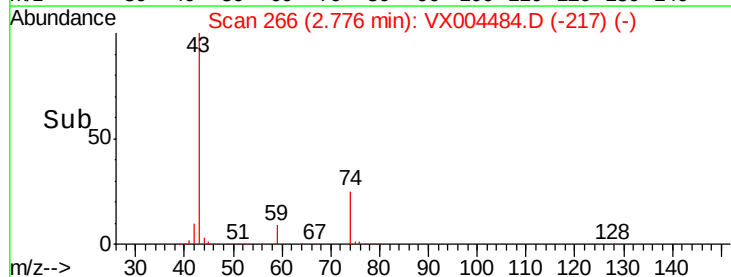
100000

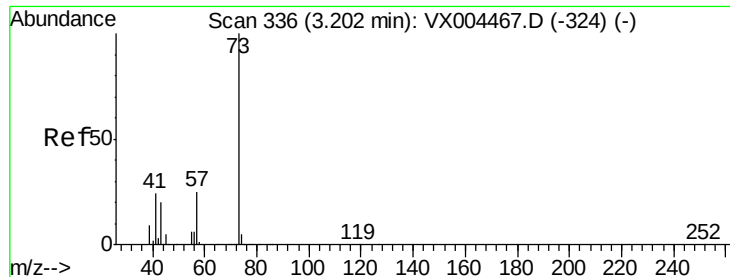
50000

0

2.70 2.80 2.90

Time-->





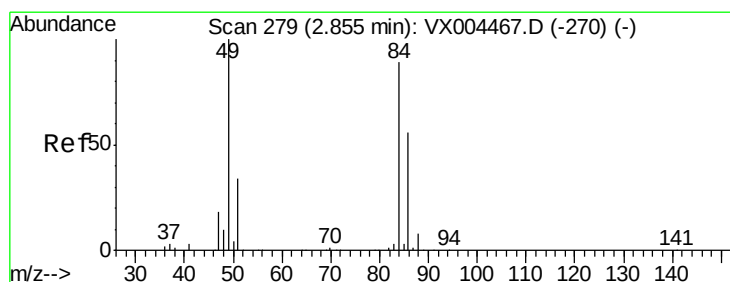
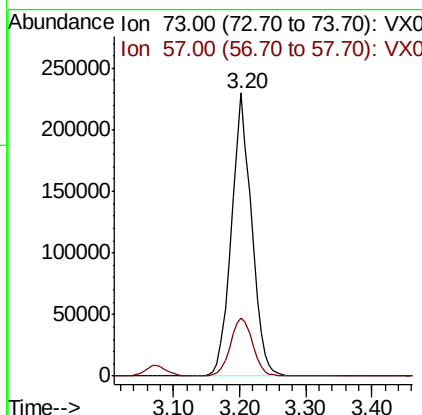
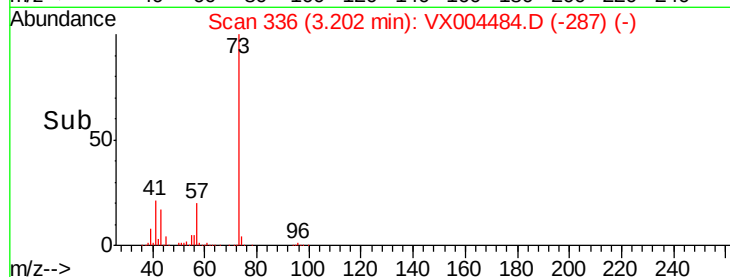
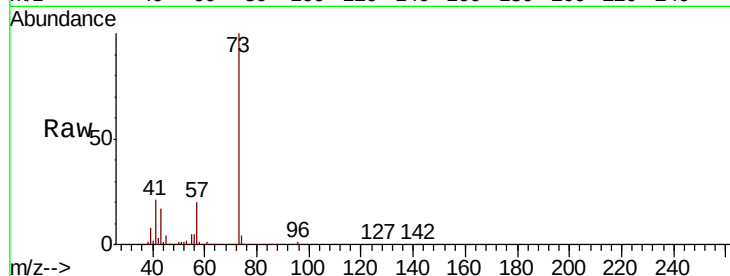
#19
Methyl tert-butyl Ether
Concen: 50.68 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.1	25.7

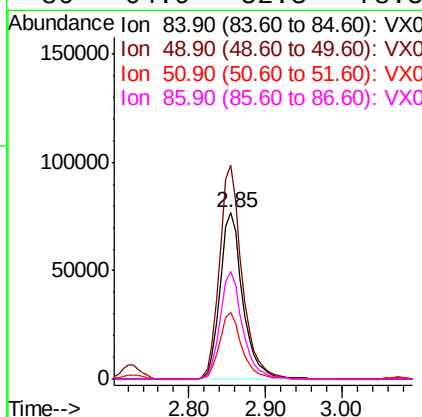
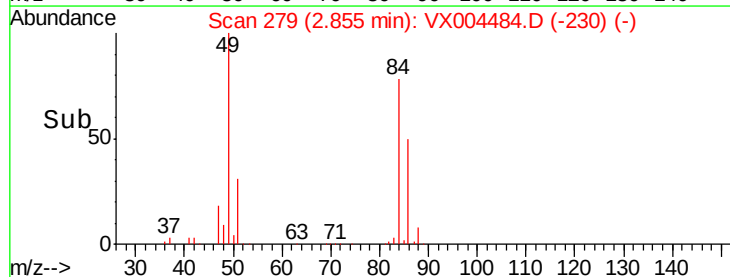
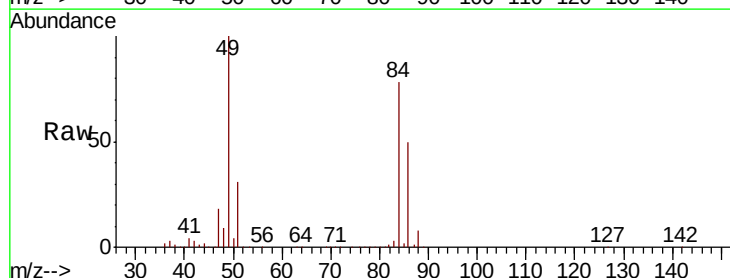
Manual Integrations
APPROVED

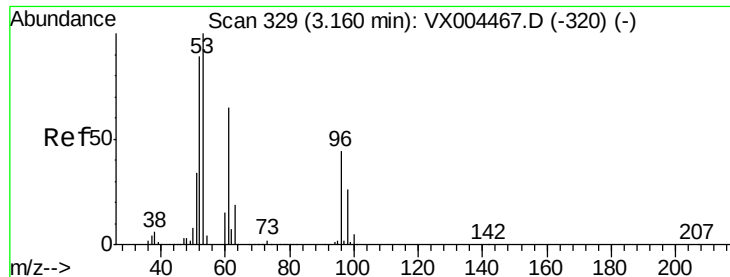
MMDadoda
9/13/2018 10:58:07 AM



#20
Methylene Chloride
Concen: 47.01 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.8	101.2	151.8
51	40.2	29.5	44.3
86	64.9	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 49.48 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

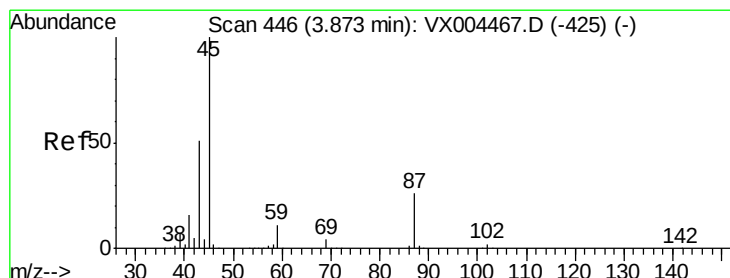
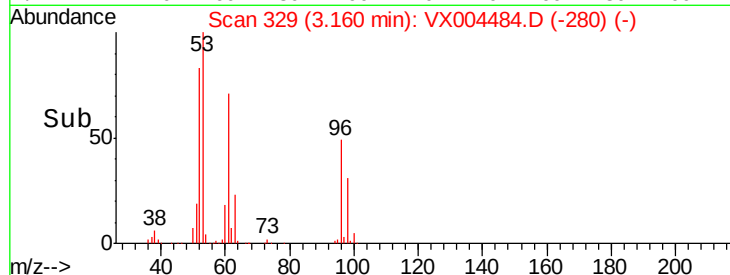
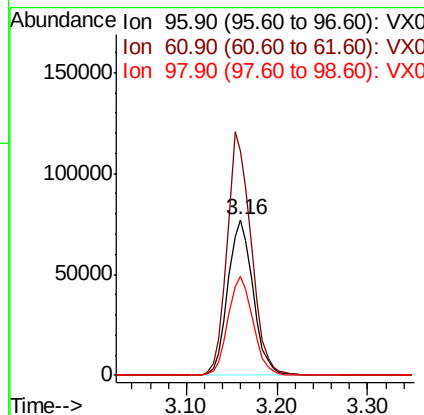
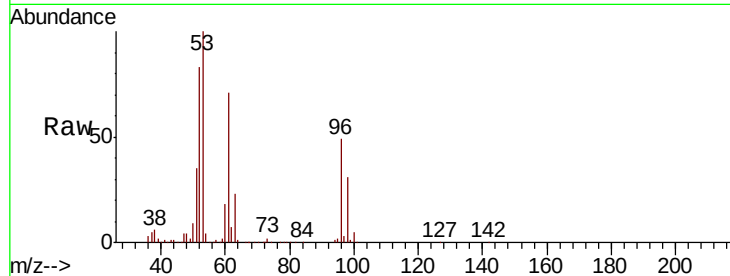
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	148990
Ion	Ratio	Lower	Upper
96	100		
61	144.0	113.8	170.6
98	63.7	51.8	77.8

Manual Integrations
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9/13/2018 10:58:07 AM



#22

Diisopropyl ether

Concen: 49.48 ug/l

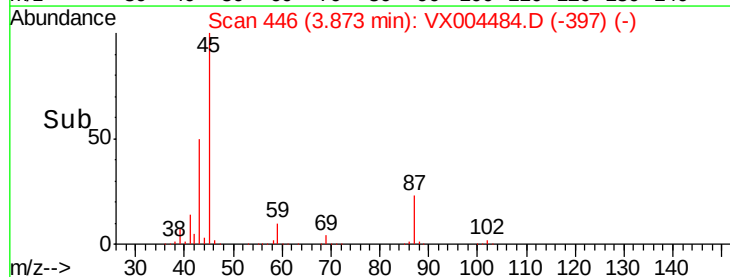
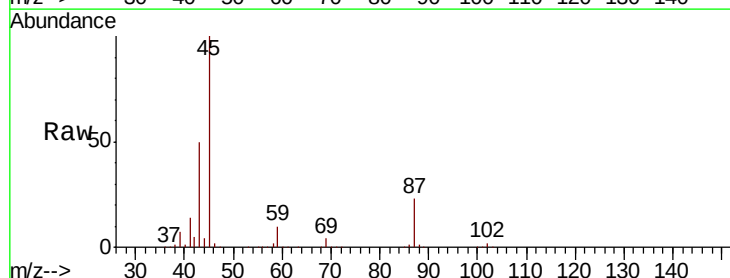
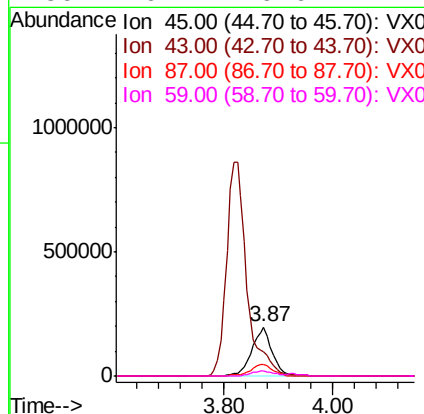
RT: 3.87 min Scan# 446

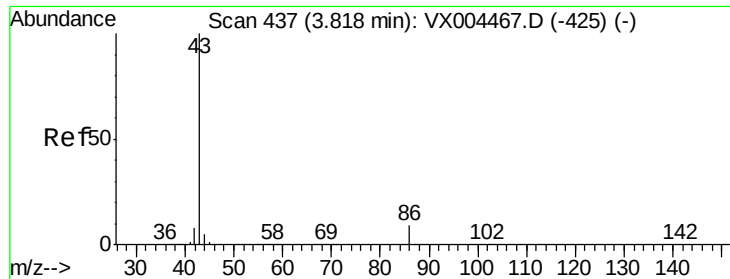
Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Tgt Ion:	45	Resp:	499274
Ion	Ratio	Lower	Upper
45	100		
43	50.4	42.8	64.2
87	23.2	22.6	34.0
59	10.2	9.6	14.4





#23

Vinyl Acetate

Concen: 273.12 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2230141

Ion Ratio Lower Upper

43 100

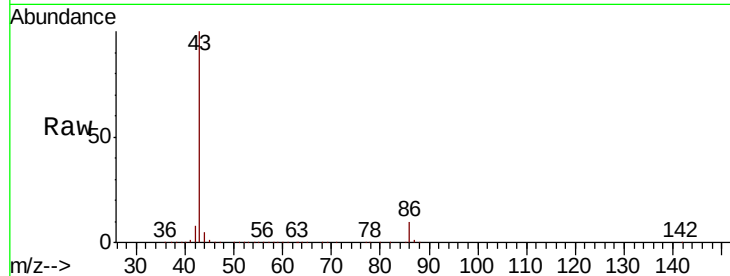
86 9.7 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1000000

800000

600000

400000

200000

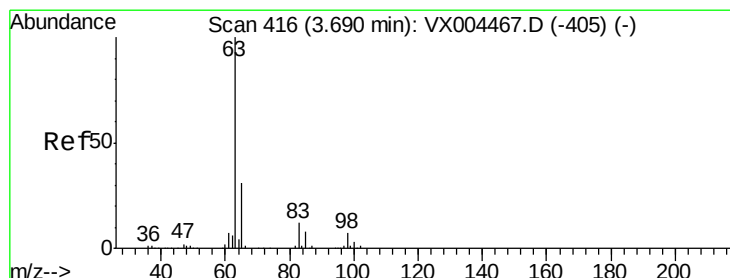
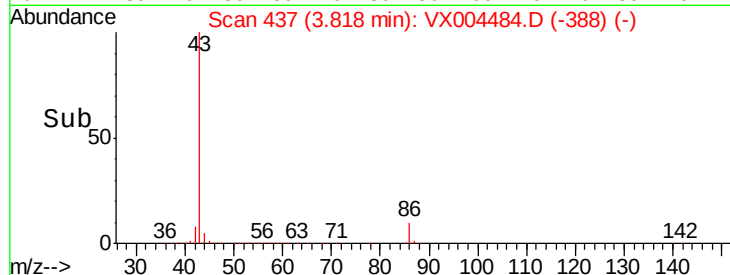
0

3.60

3.80

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.74 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

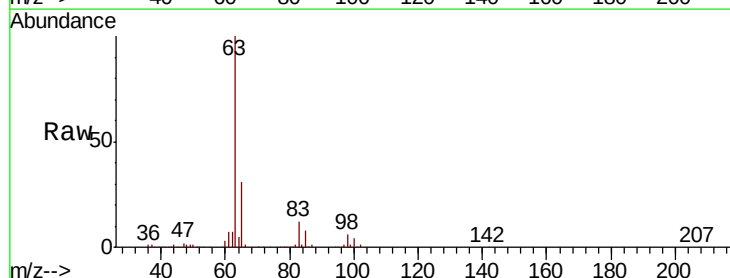
Tgt Ion: 63 Resp: 289040

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 3.7 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

150000

100000

50000

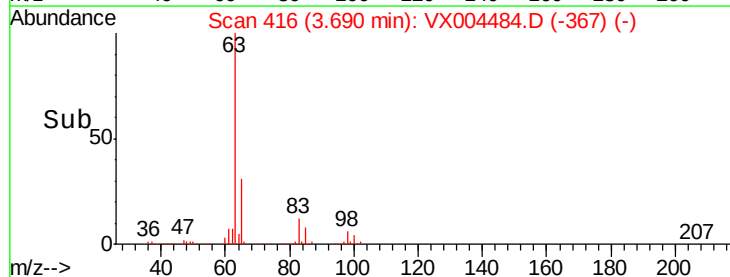
0

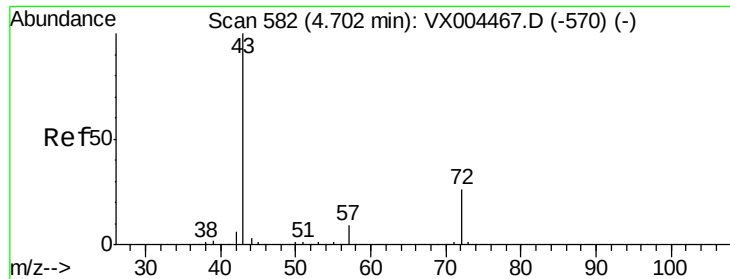
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 223.40 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 583560

Ion Ratio Lower Upper

43 100

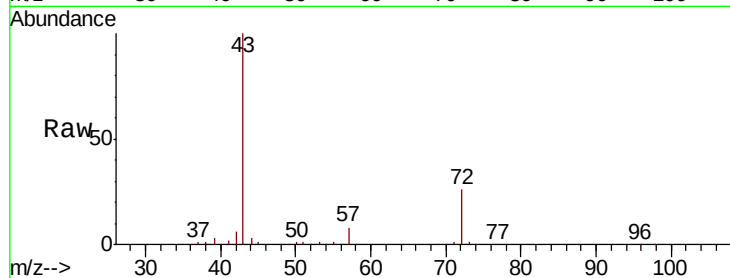
72 25.9 22.0 33.0

Manual Integrations

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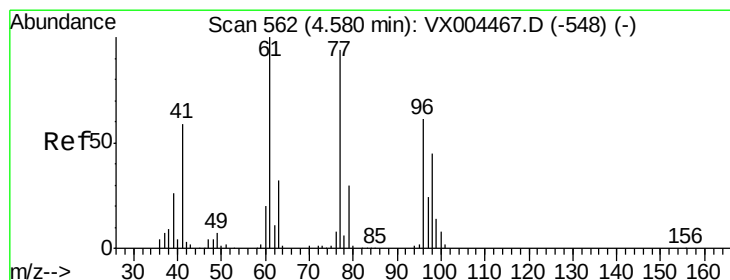
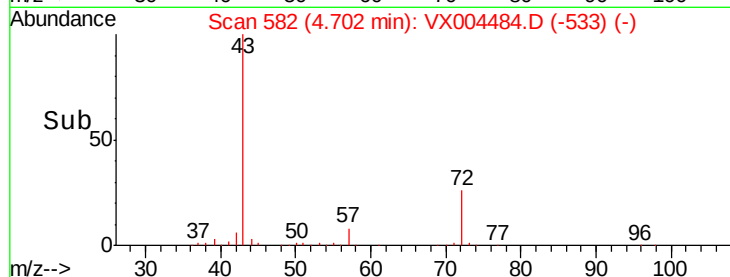
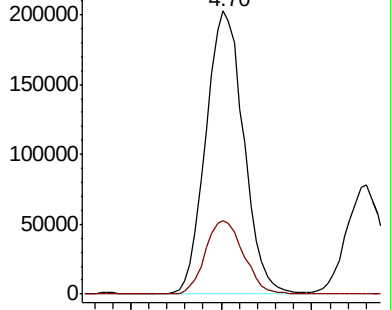
MMDadoda

9/13/2018 10:58:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 53.79 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX004484.D

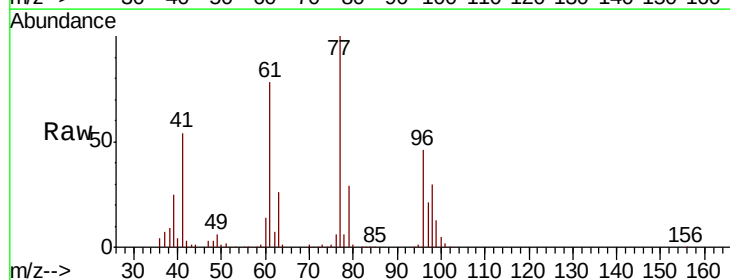
Acq: 12 Sep 2018 10:14

Tgt Ion: 77 Resp: 210483

Ion Ratio Lower Upper

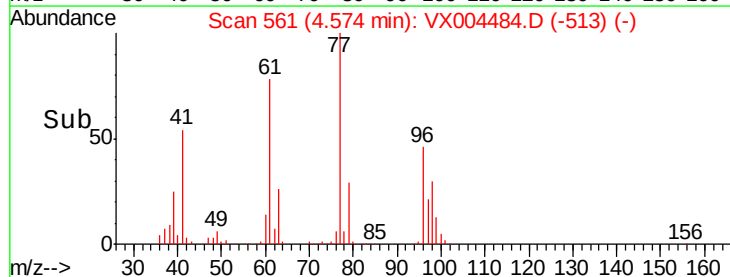
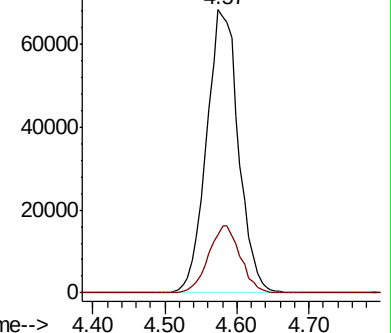
77 100

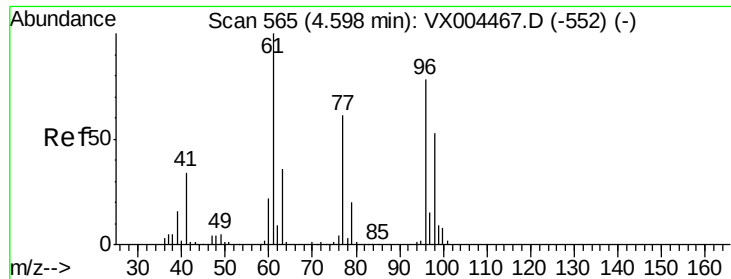
97 23.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

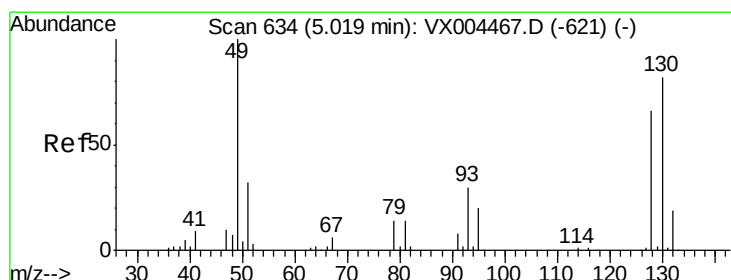
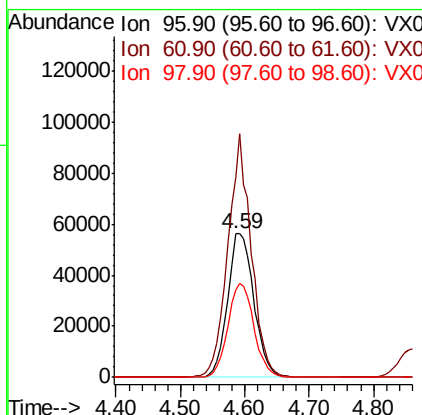
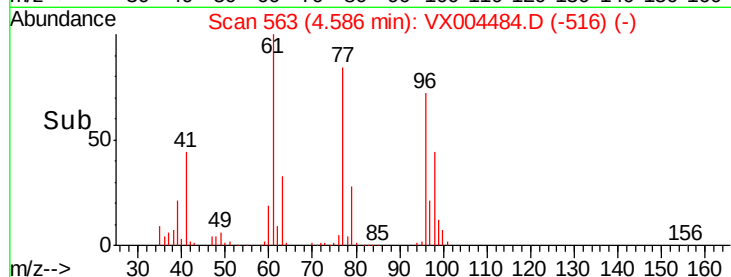
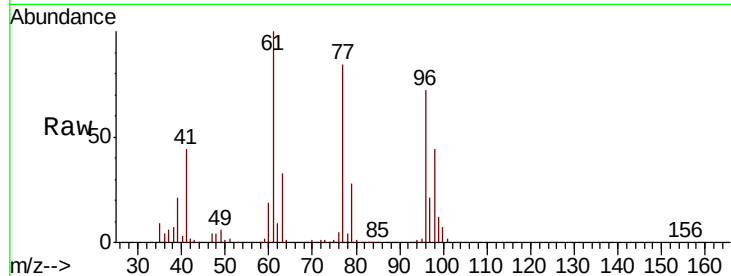
cis-1,2-Dichloroethene
 Concen: 47.95 ug/l
 RT: 4.59 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	161195		
61	150.6	0.0	282.6	
98	64.8	0.0	130.2	

Manual Integrations
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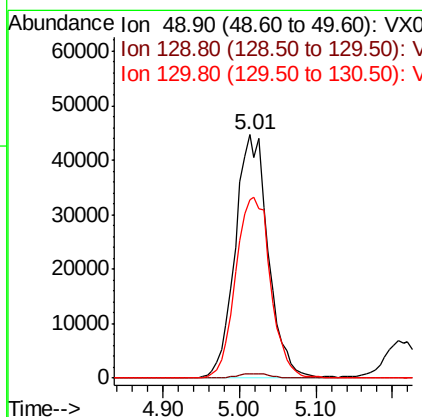
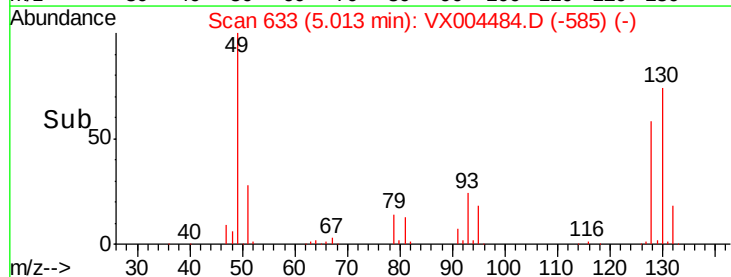
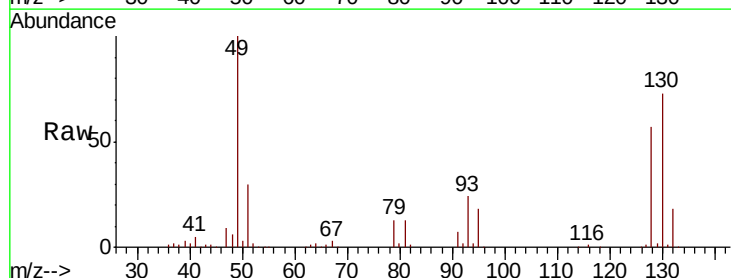
MMDadoda
 9/13/2018 10:58:07 AM

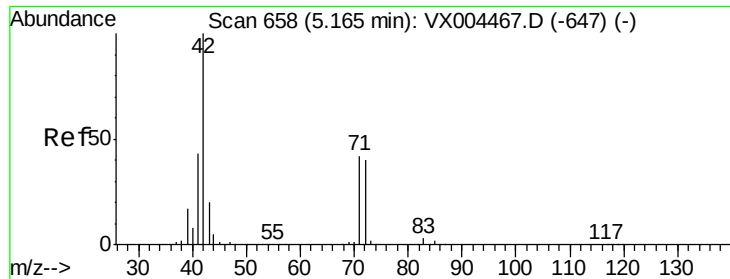


#28

Bromochloromethane
 Concen: 51.42 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133992		
129	1.9	0.0	4.2	
130	78.3	67.5	101.3	





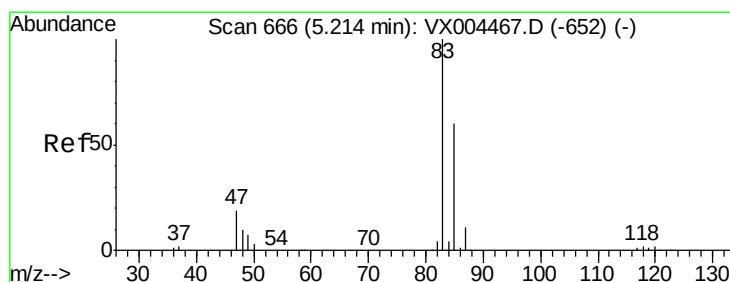
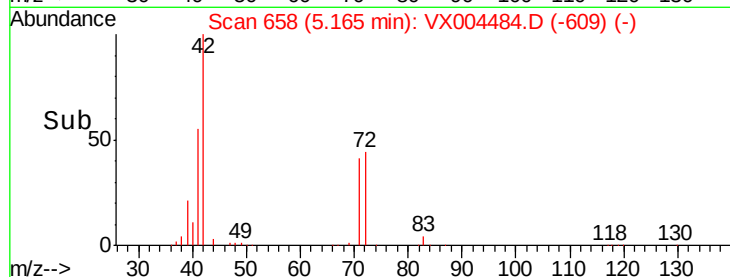
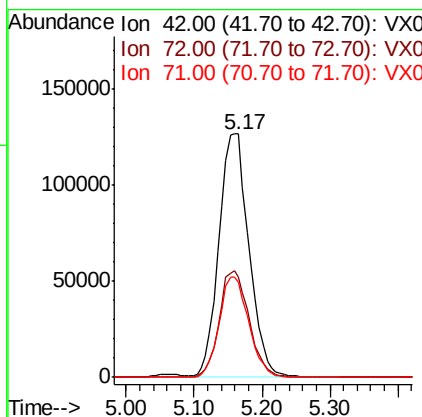
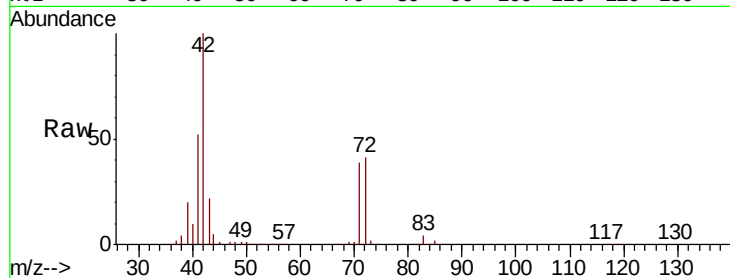
#29
Tetrahydrofuran
Concen: 246.12 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	37.4	56.0
71	40.6	34.5	51.7

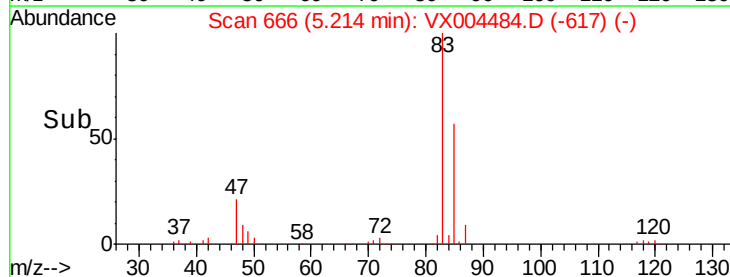
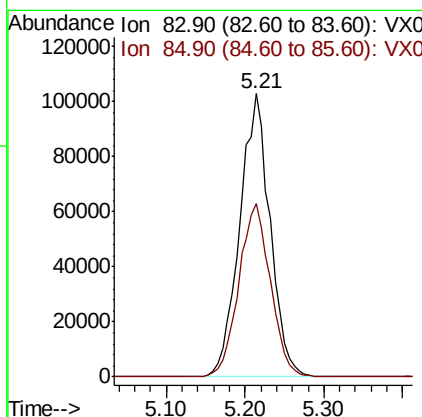
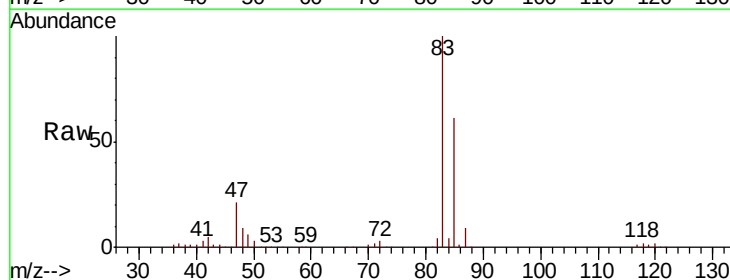
Manual Integrations
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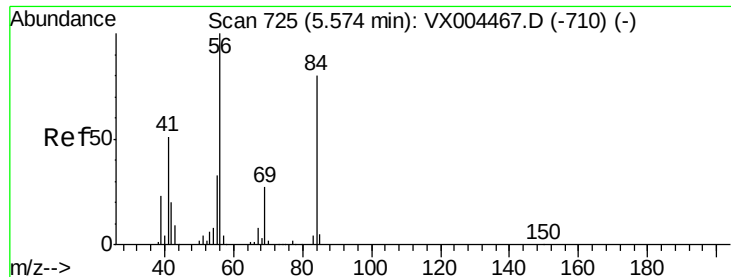
MMDadoda
9/13/2018 10:58:07 AM



#30
Chloroform
Concen: 49.55 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.6	79.0





#31

Cyclohexane

Concen: 51.97 ug/l

RT: 5.56 min Scan# 723

Delta R.T. -0.01 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

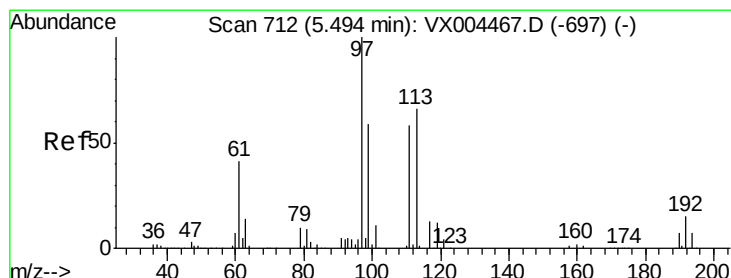
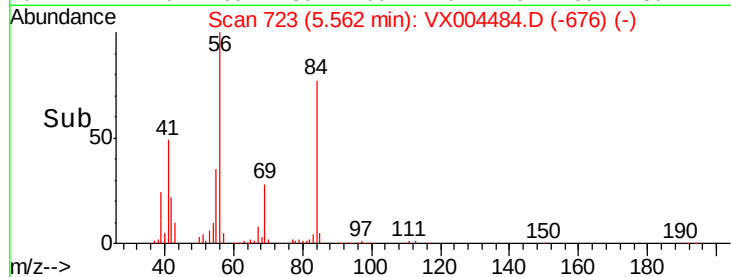
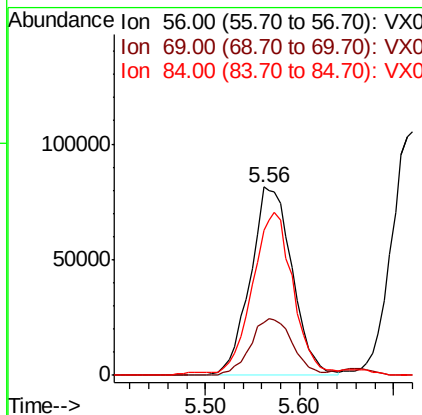
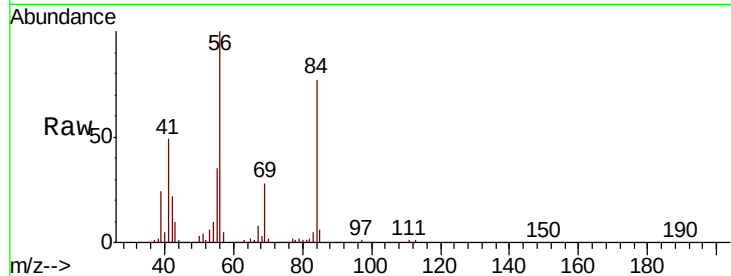
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	252813
Ion	Ratio	Lower	Upper
56	100		
69	28.0	25.4	38.2
84	75.6	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.80 ug/l

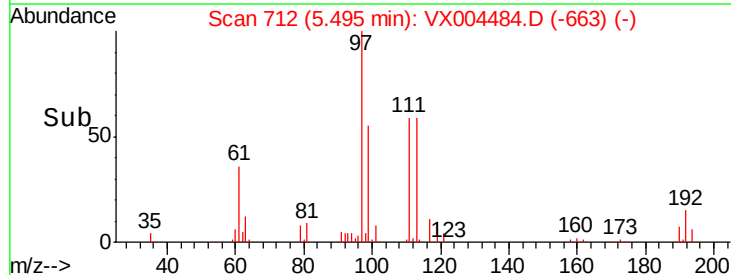
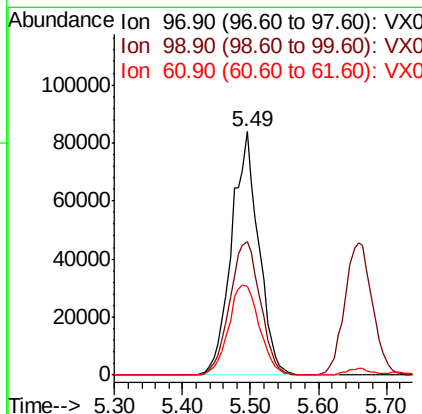
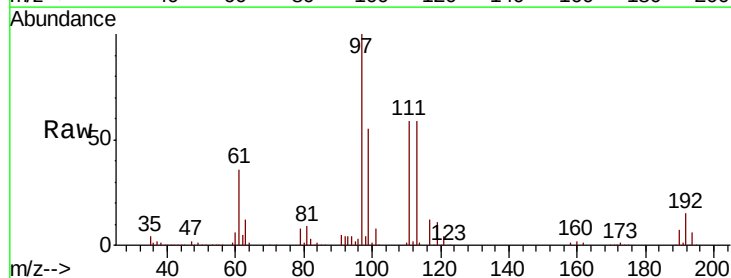
RT: 5.49 min Scan# 712

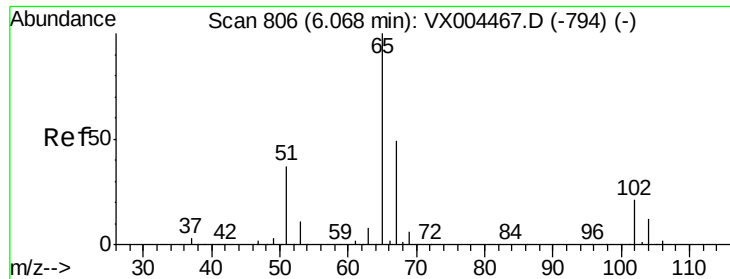
Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Tgt Ion:	97	Resp:	232028
Ion	Ratio	Lower	Upper
97	100		
99	61.7	52.0	78.0
61	42.2	34.9	52.3





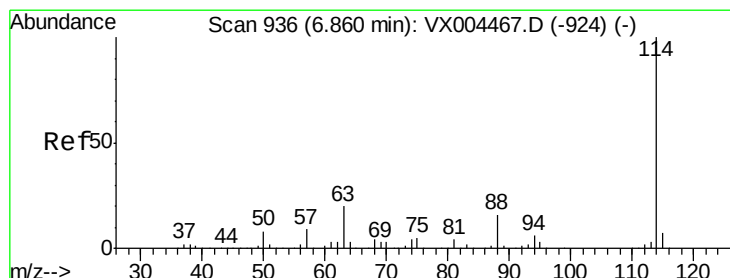
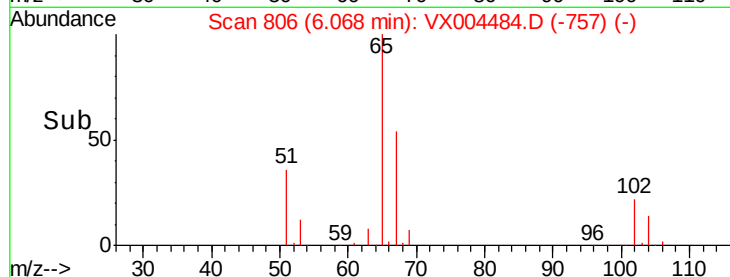
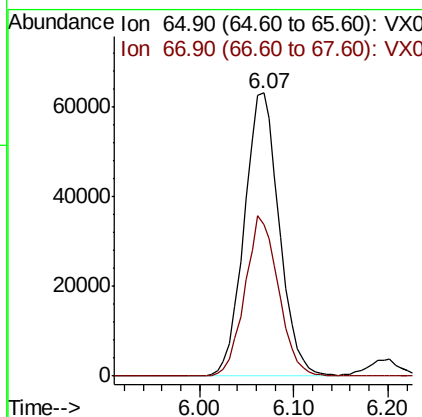
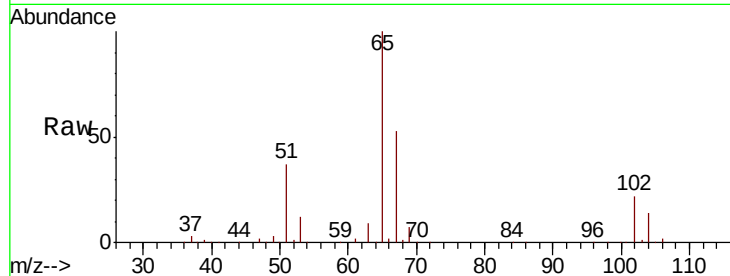
#33
 1,2-Dichloroethane-d4
 Concen: 48.89 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164420		
67	54.5	0.0	106.8	

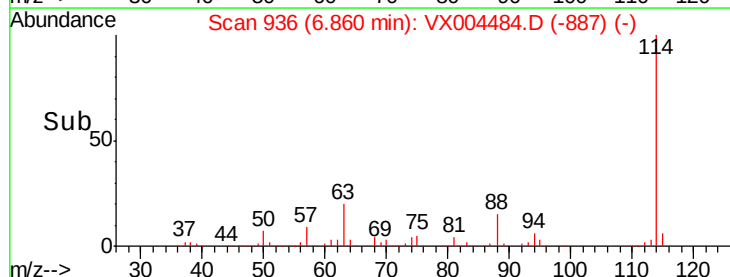
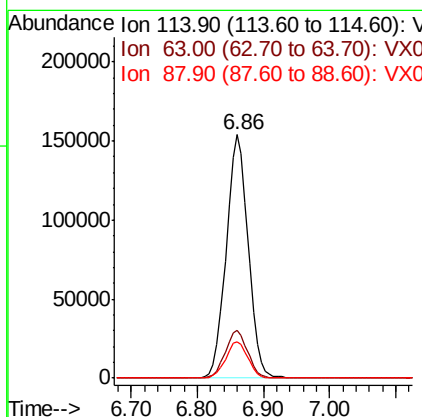
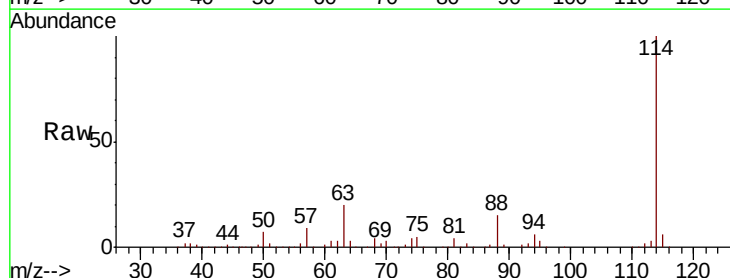
Manual Integrations
 APPROVED

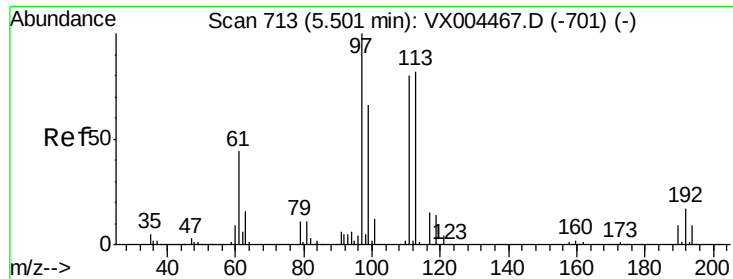
MMDadoda
 9/13/2018 10:58:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353368		
63	19.7	0.0	39.0	
88	15.1	0.0	30.4	





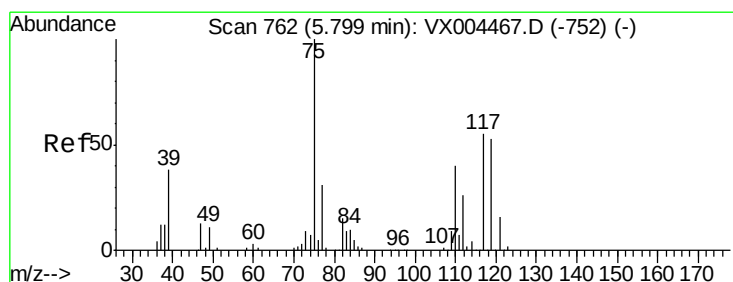
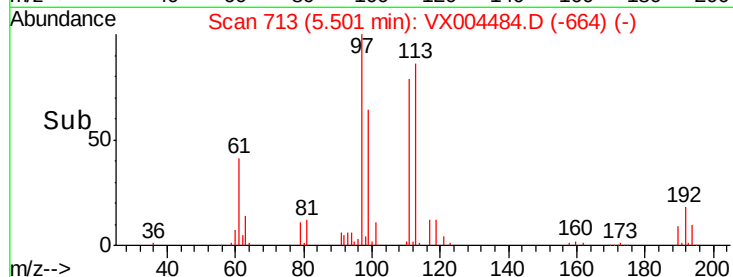
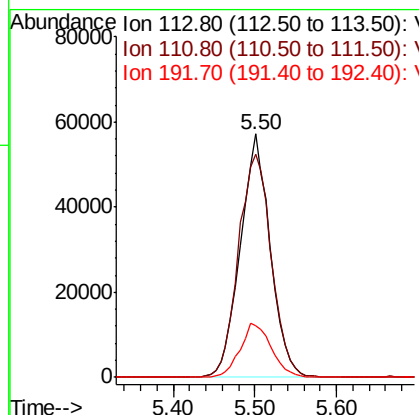
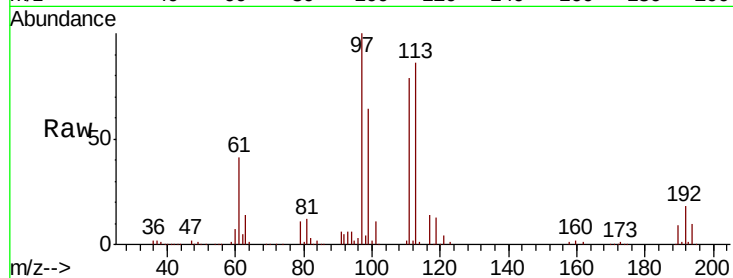
#35
 Dibromofluoromethane
 Concen: 44.99 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	145491		
111	100.4	82.4	123.6	
192	23.1	19.4	29.2	

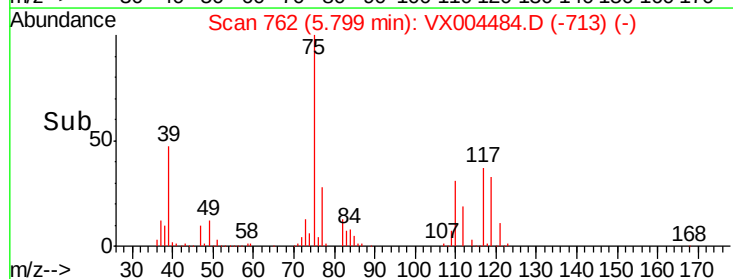
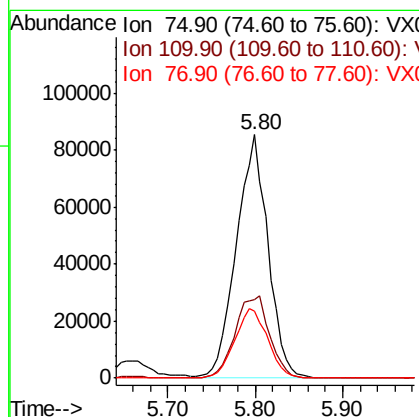
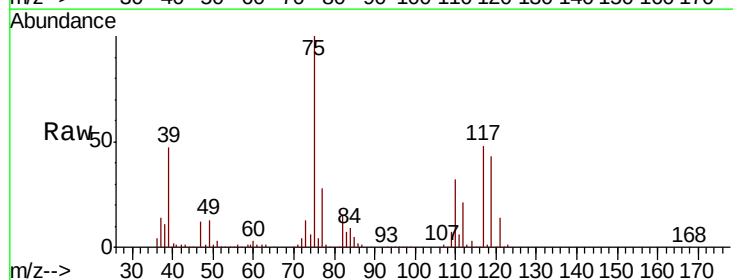
Manual Integrations
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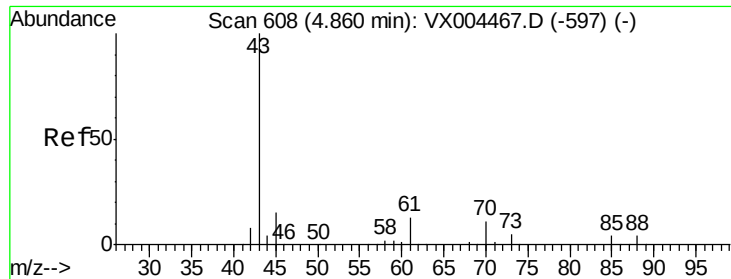
MMDadoda
 9/13/2018 10:58:07 AM



#36
 1,1-Dichloropropene
 Concen: 49.84 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213816		
110	36.8	18.0	54.0	
77	29.9	24.6	36.8	





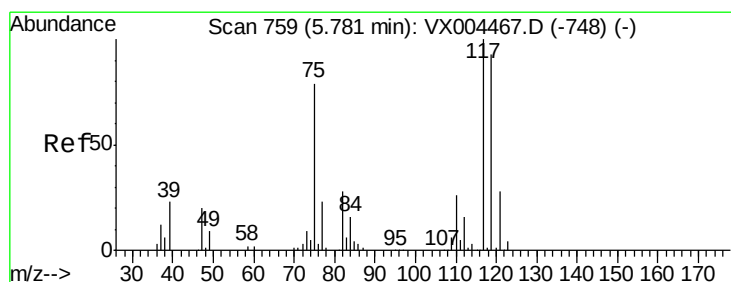
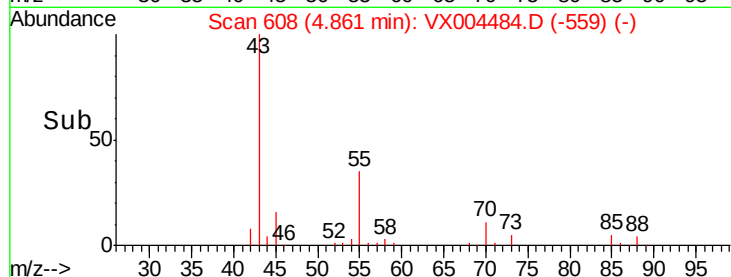
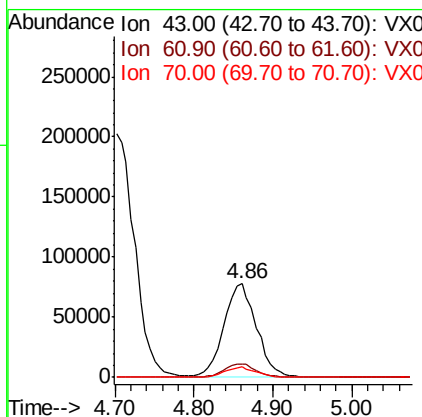
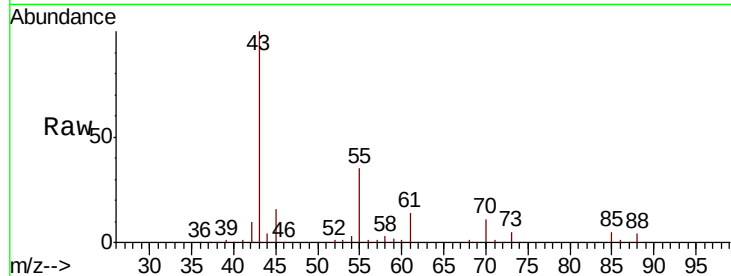
#37
Ethyl Acetate
Concen: 45.85 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	223697
Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.5	17.3
70	10.7	9.0	13.6

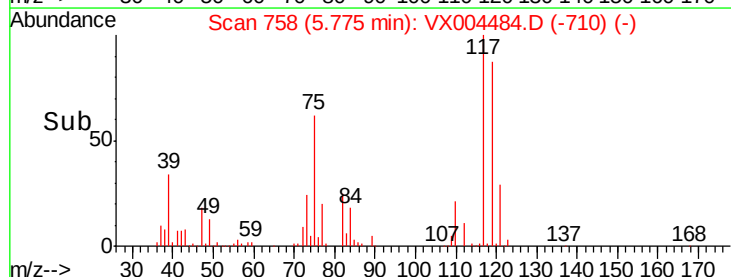
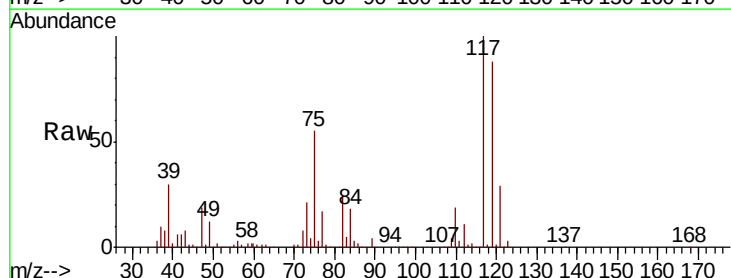
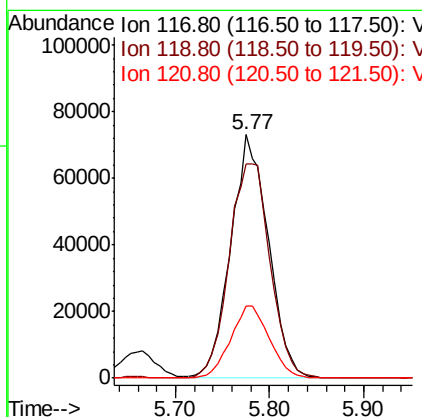
Manual Integrations
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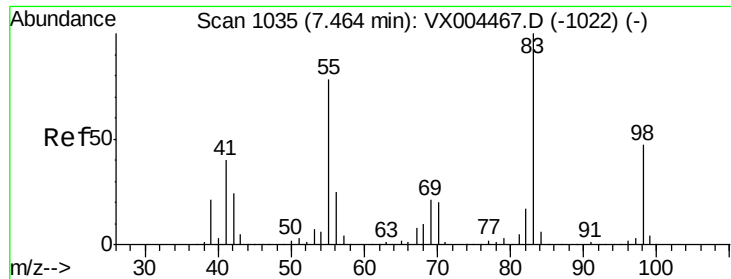
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#38
Carbon Tetrachloride
Concen: 48.50 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion:	117	Resp:	203218
Ion	Ratio	Lower	Upper
117	100		
119	87.9	78.8	118.2
121	29.4	24.9	37.3





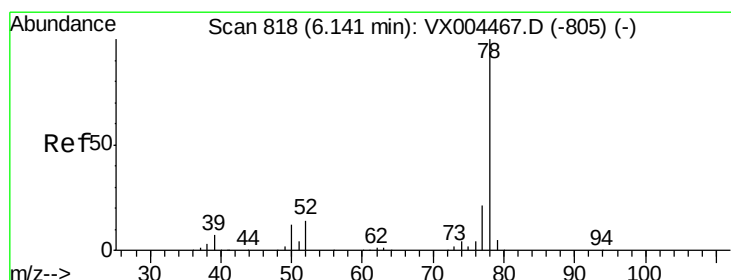
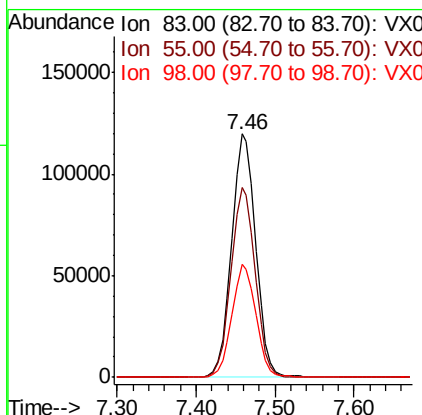
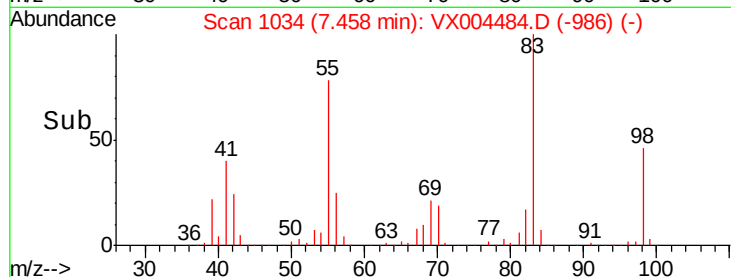
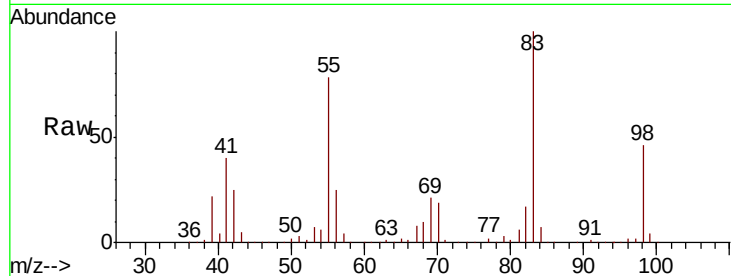
#39
Methylvlcyclohexane
Concen: 57.09 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	255599		
55	78.2		61.0	91.4
98	46.3		39.6	59.4

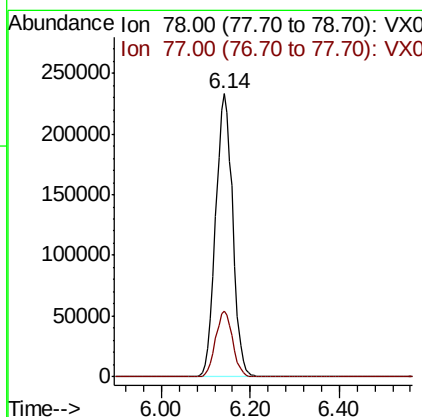
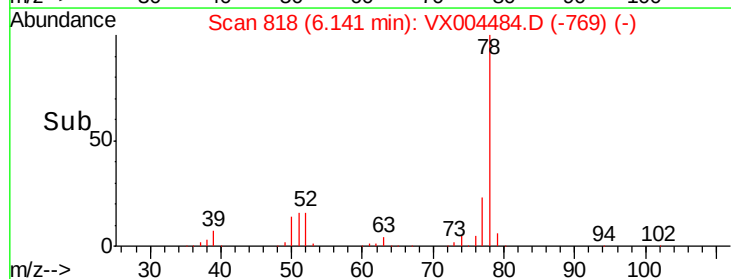
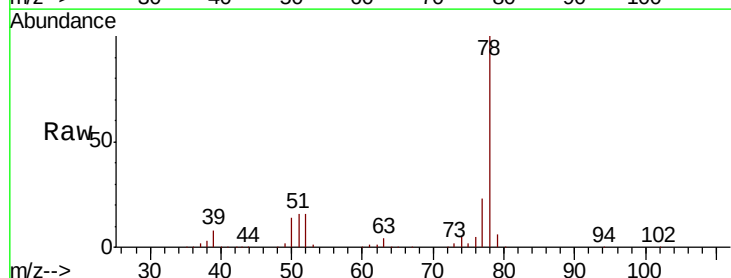
Manual Integrations
APPROVED

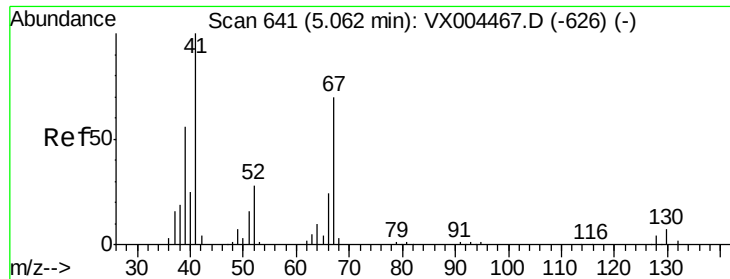
MMDadoda
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#40
Benzene
Concen: 48.49 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	617254		
77	23.3		19.0	28.4





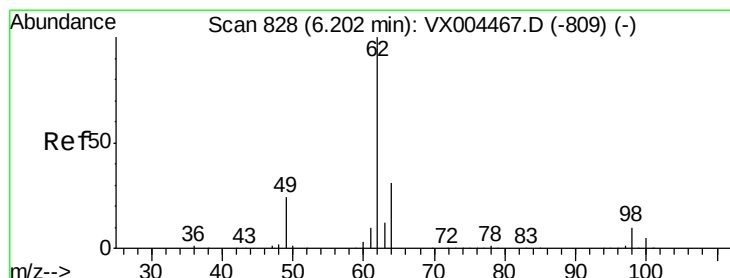
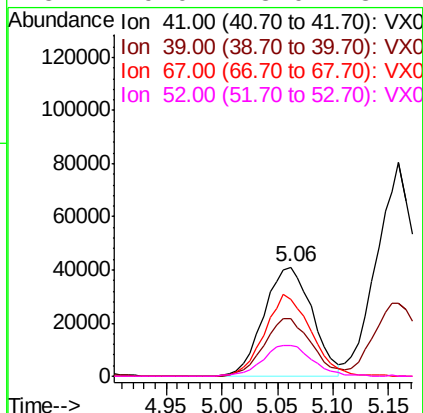
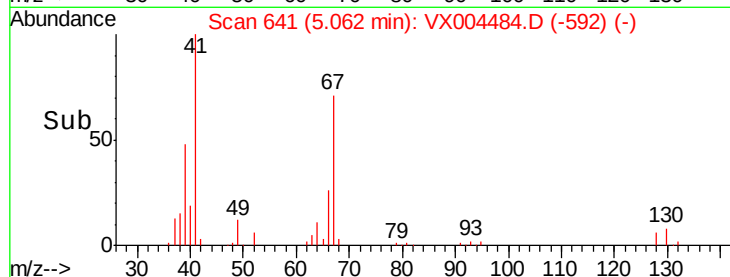
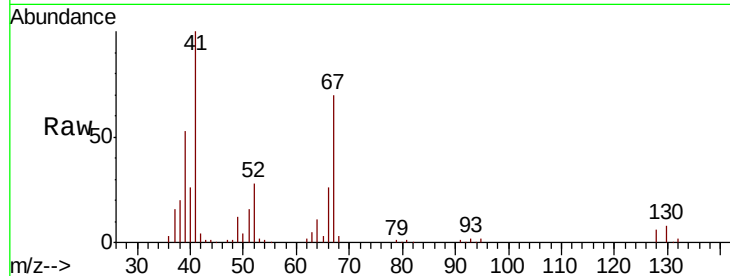
#41
Methacrylonitrile
Concen: 46.32 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.4	63.6
67	71.3	59.2	88.8
52	29.0	23.0	34.4

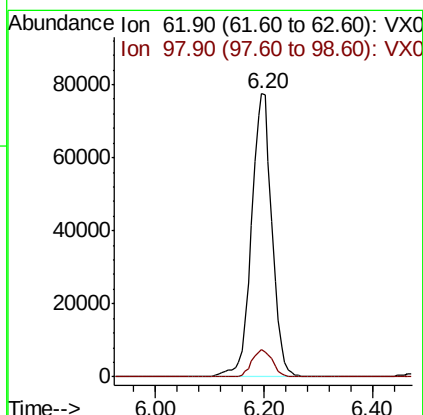
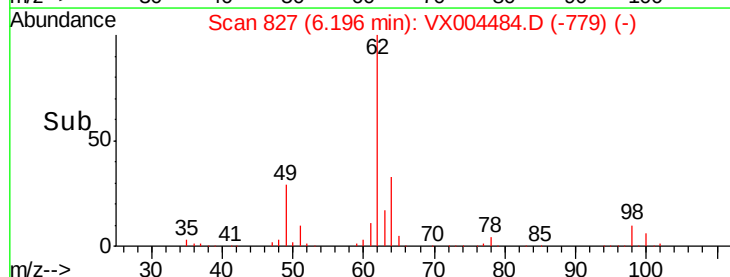
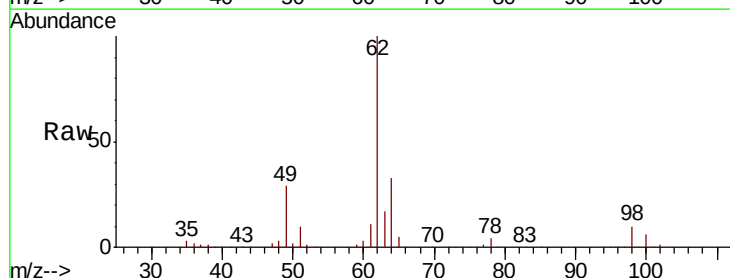
Manual Integrations
APPROVED

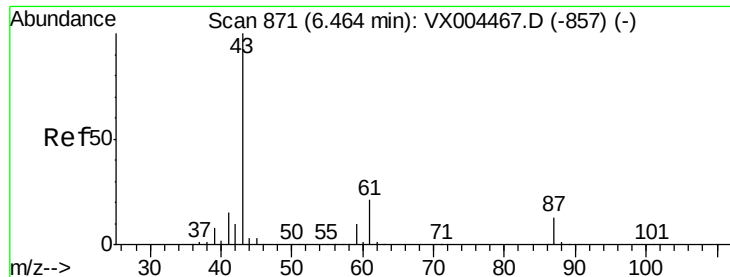
MMDadoda
9/13/2018 10:58:07 AM



#42
1,2-Dichloroethane
Concen: 47.65 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6





#43

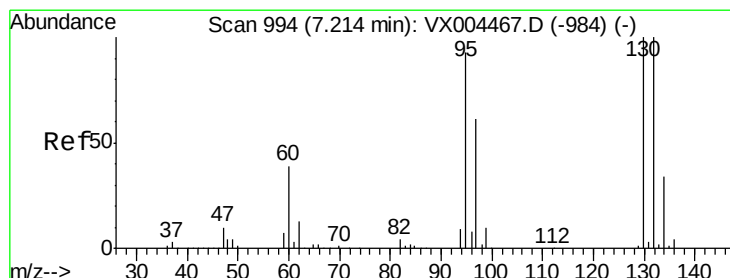
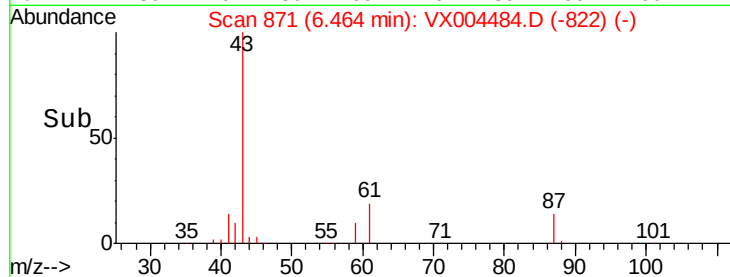
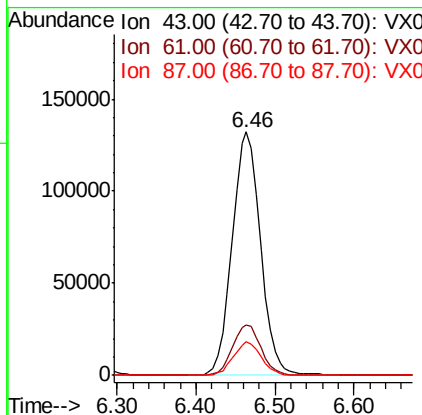
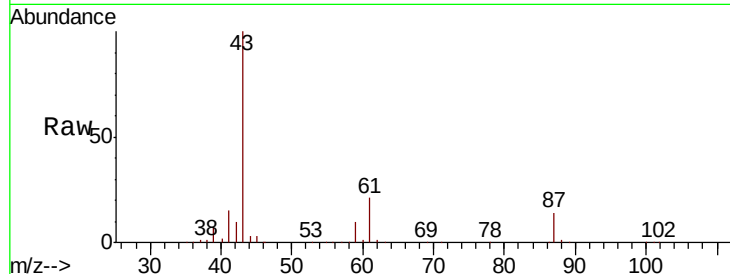
Isopropyl Acetate
 Concen: 50.89 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.0	25.4
87	13.5	11.4	17.2

Manual Integrations
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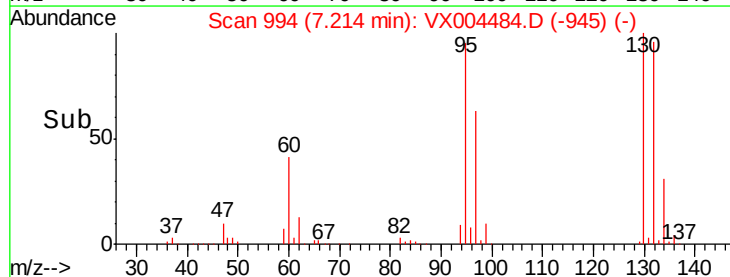
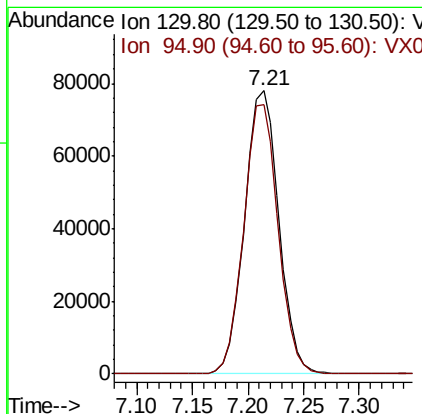
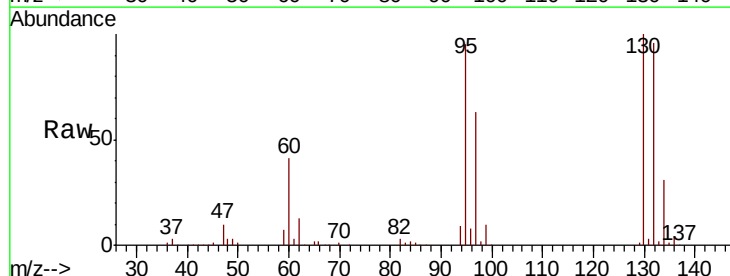
MMDadoda
 9/13/2018 10:58:07 AM

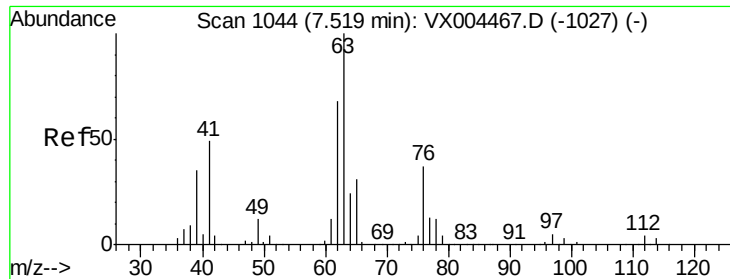


#44

Trichloroethene
 Concen: 50.59 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	181.6





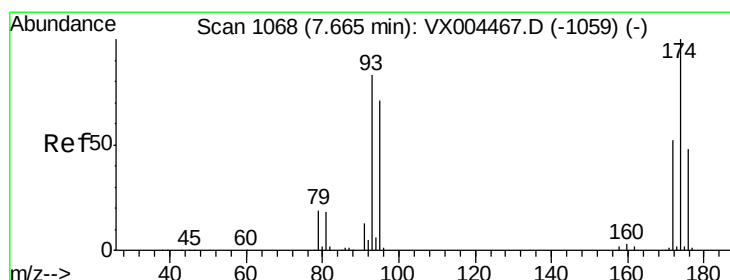
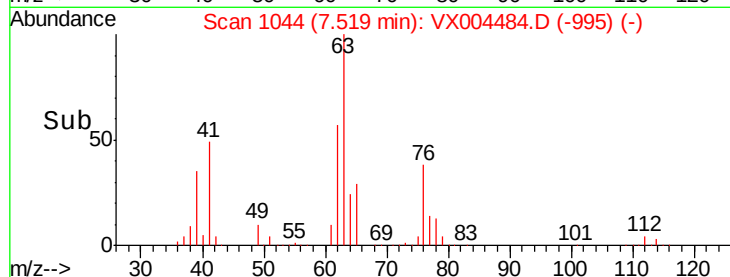
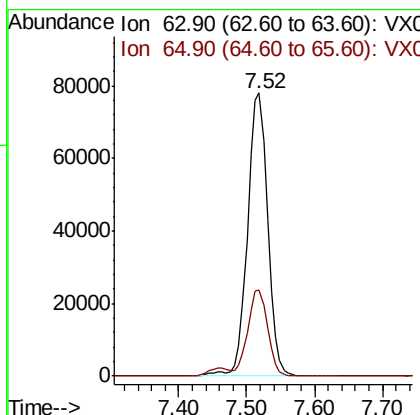
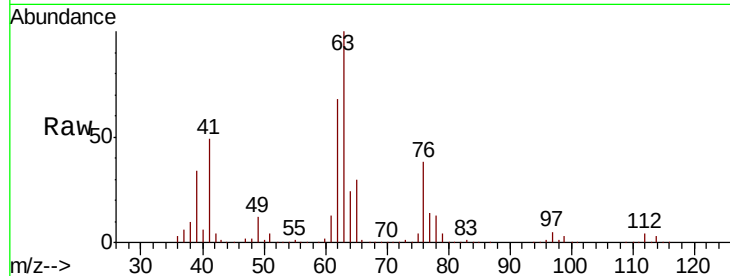
#45
 1,2-Dichloropropane
 Concen: 52.66 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.3	36.5

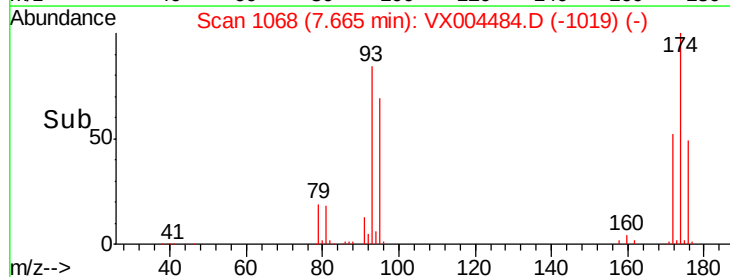
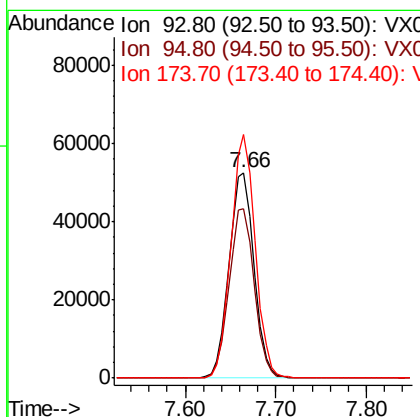
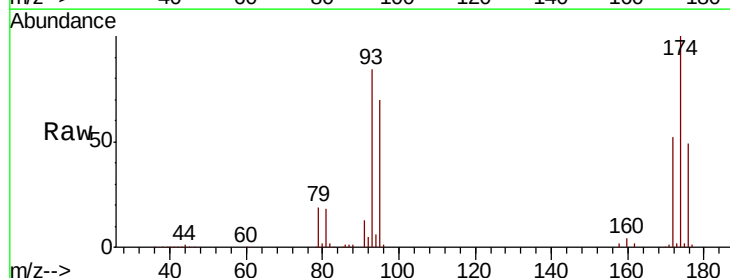
Manual Integrations
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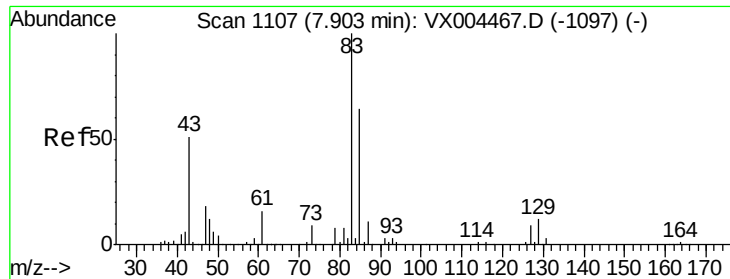
MMDadoda
 9/13/2018 10:58:07 AM



#46
 Dibromomethane
 Concen: 51.81 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.5	98.3
174	115.3	94.2	141.4





#47

Bromodichloromethane

Concen: 52.77 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

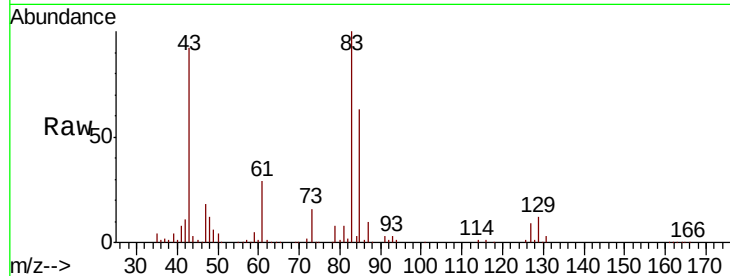
ClientSampleId :

VSTDCCC050

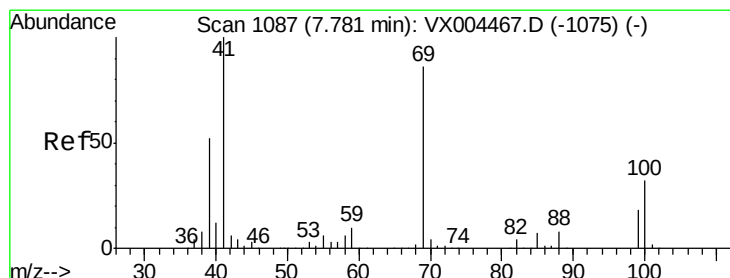
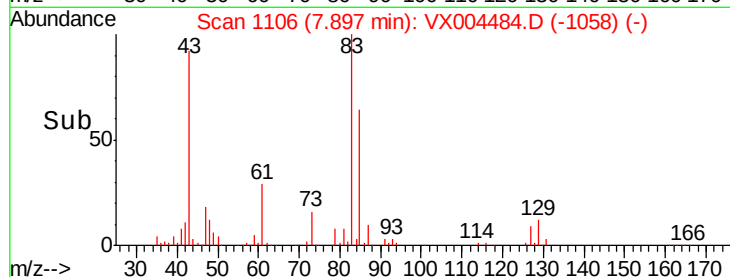
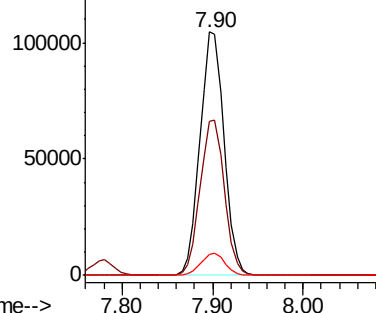
Tot Ion:	83	Resp:	193086
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.9	76.3
127	8.8	7.3	10.9

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: 54.53 ug/l

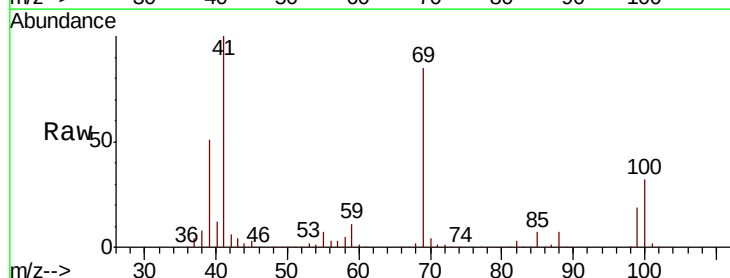
RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

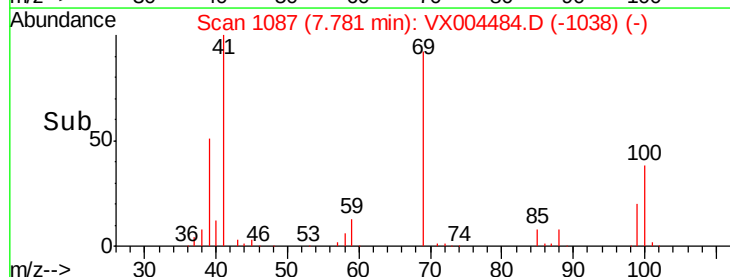
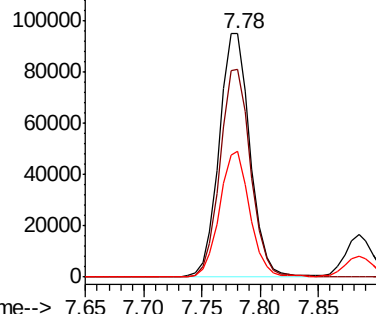
Lab File: VX004484.D

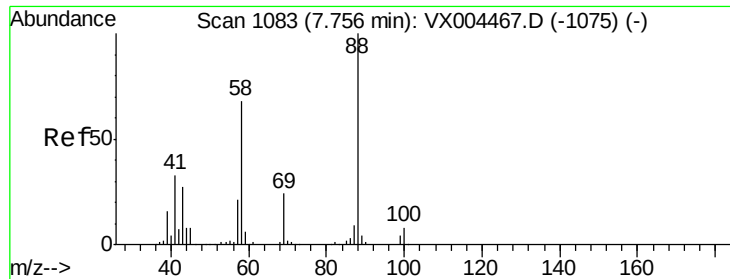
Acq: 12 Sep 2018 10:14

Tgt Ion:	41	Resp:	174897
Ion Ratio	Lower	Upper	
41	100		
69	85.2	70.2	105.4
39	50.5	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





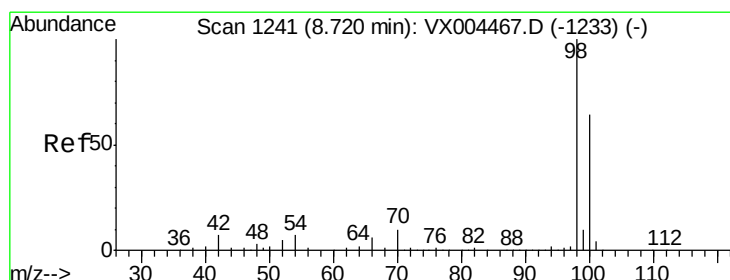
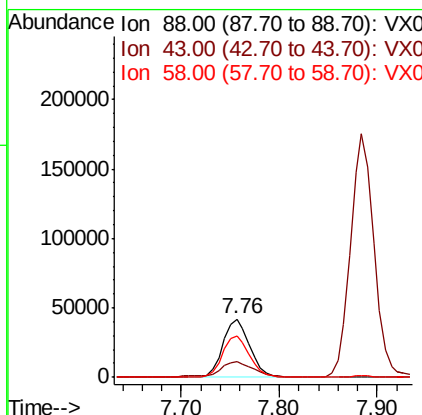
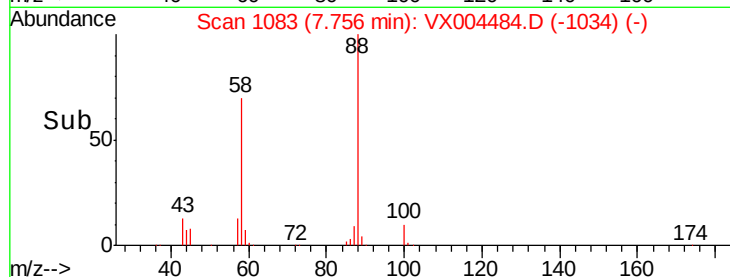
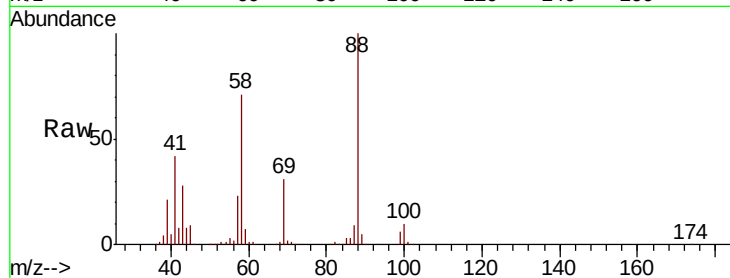
#49
1,4-Dioxane
Concen: 1042.75 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	24.7	37.1
58	72.2	55.3	82.9

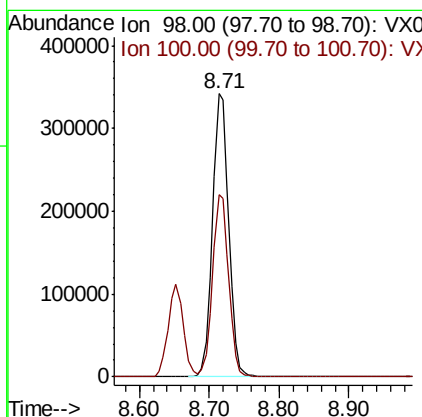
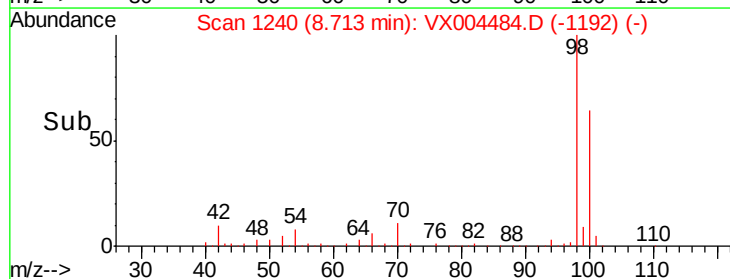
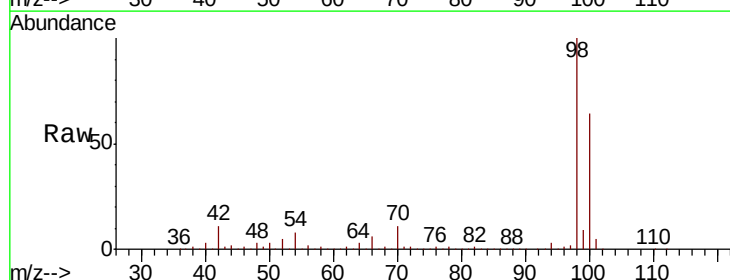
Manual Integrations
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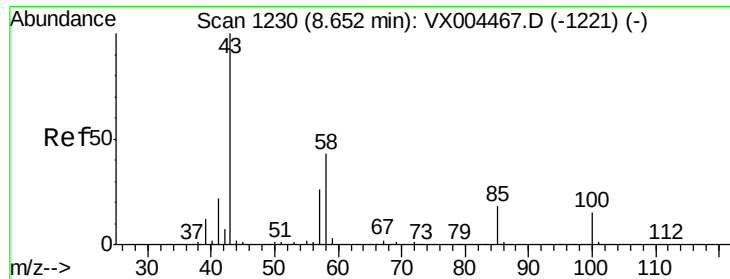
MMDadoda
9/13/2018 10:58:07 AM



#50
Toluene-d8
Concen: 50.59 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.9	79.3





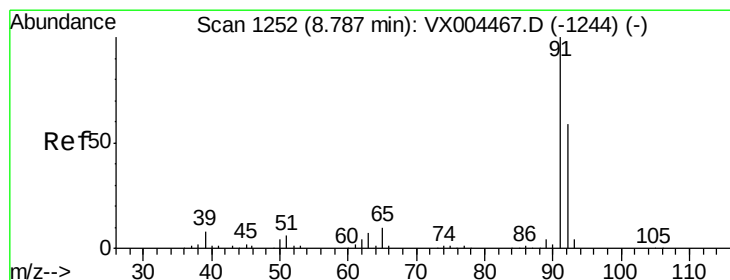
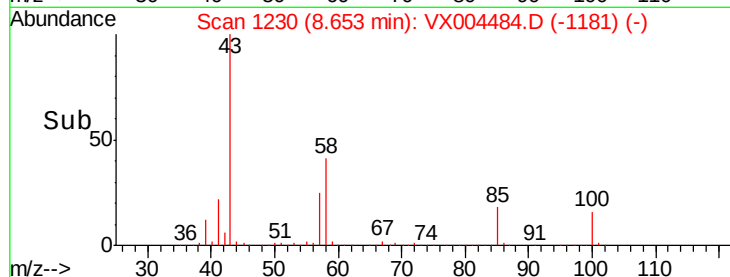
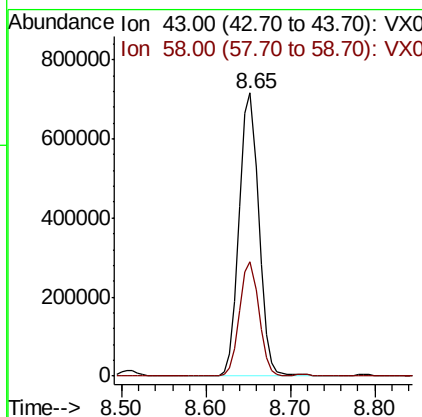
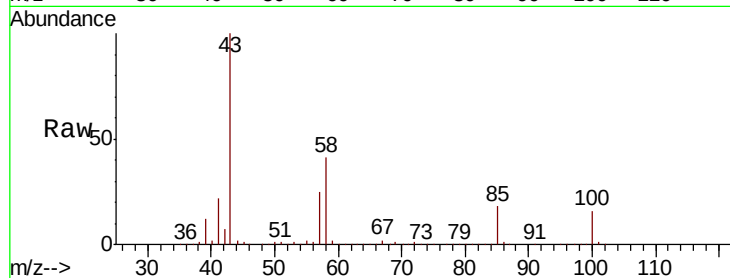
#51
 4-Methyl-2-Pentanone
 Concen: 244.76 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1119371
 Ion Ratio Lower Upper
 43 100
 58 39.9 33.1 49.7

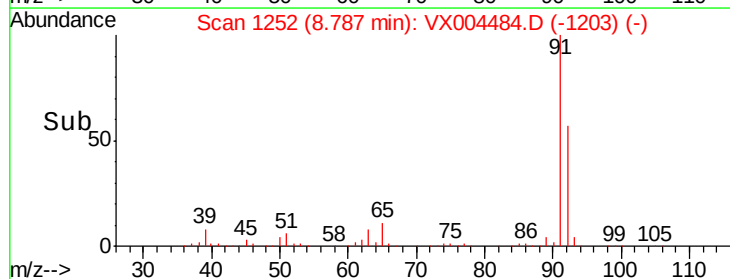
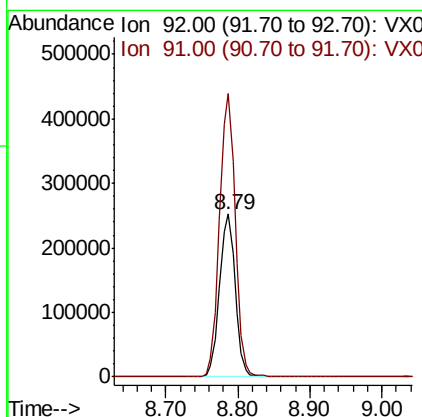
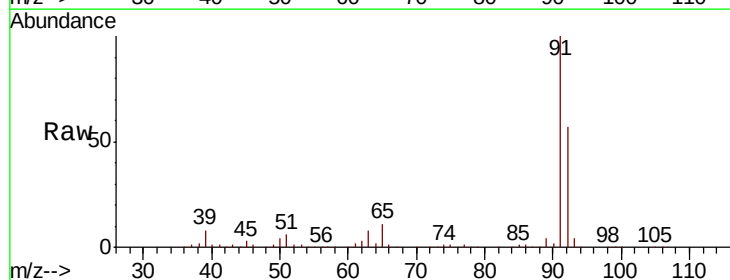
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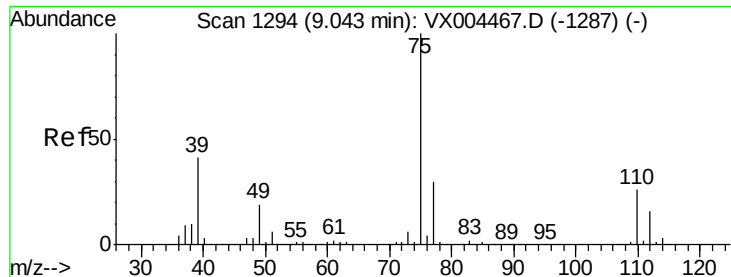
MMDadoda
 9/13/2018 10:58:07 AM



#52
 Toluene
 Concen: 50.95 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Tgt Ion: 92 Resp: 382103
 Ion Ratio Lower Upper
 92 100
 91 174.5 136.4 204.6





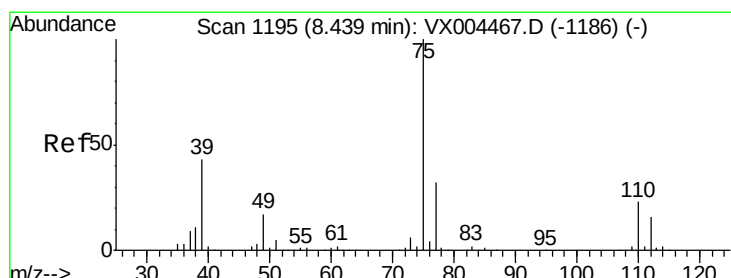
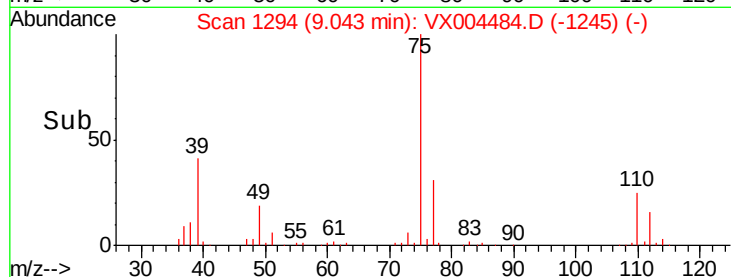
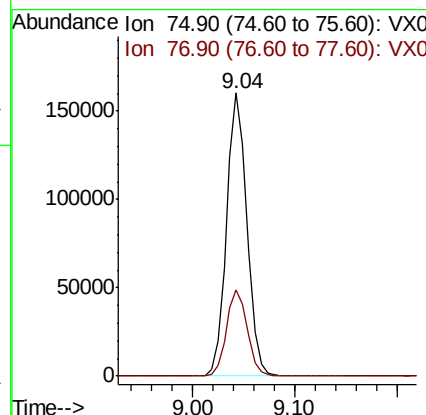
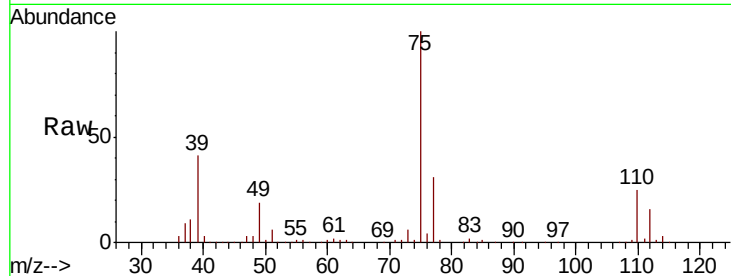
#53
t-1,3-Dichloropropene
Concen: 52.00 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 222259
Ion Ratio Lower Upper
75 100
77 30.7 24.6 37.0

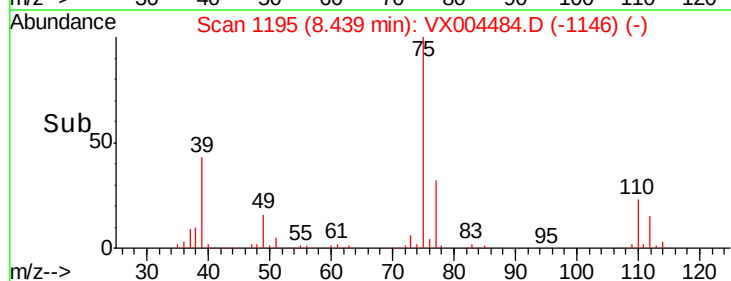
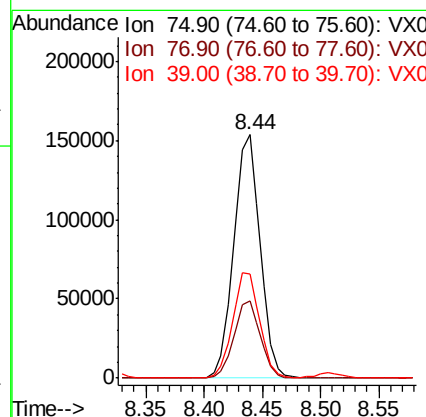
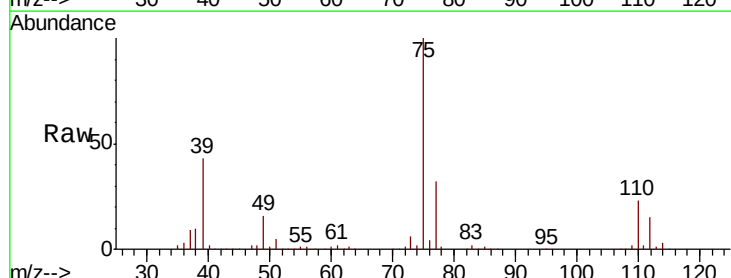
Manual Integrations
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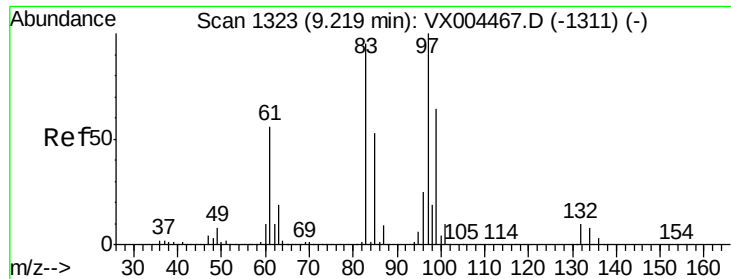
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.68 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion: 75 Resp: 242600
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.2
39 42.8 36.4 54.6





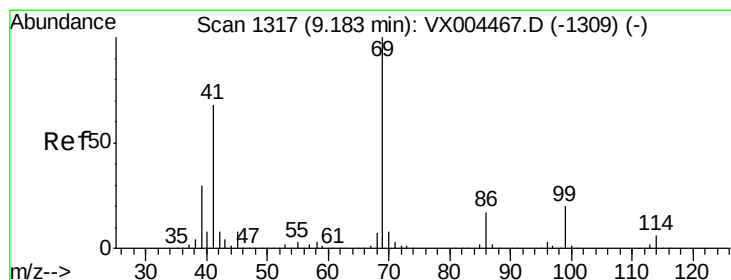
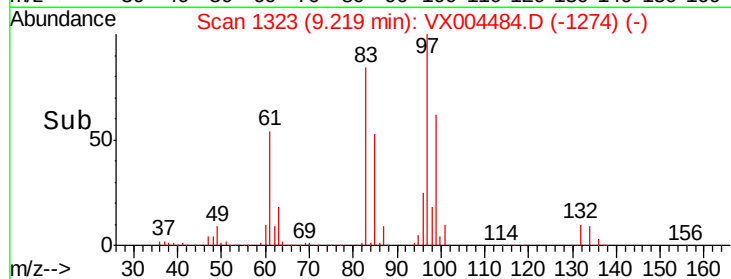
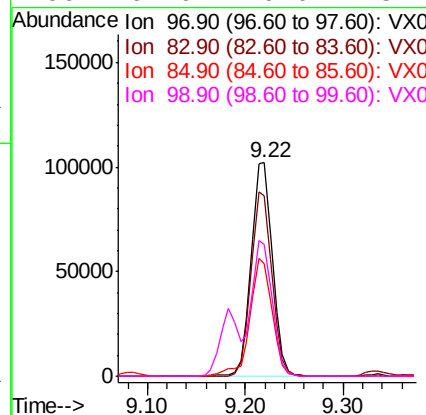
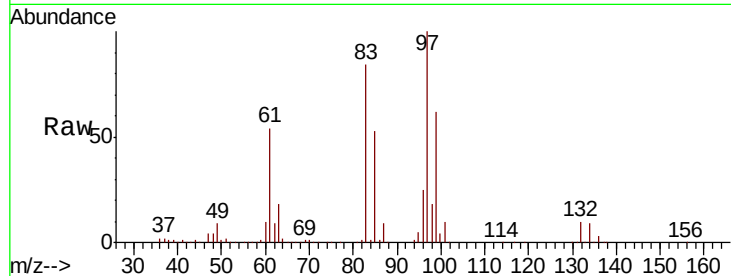
#55
 1,1,2-Trichloroethane
 Concen: 47.62 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	153780
Ion	Ratio	Lower	Upper
97	100		
83	84.3	66.4	99.6
85	53.0	43.3	64.9
99	61.9	49.0	73.4

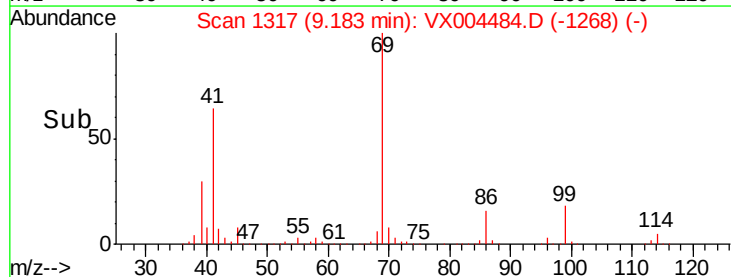
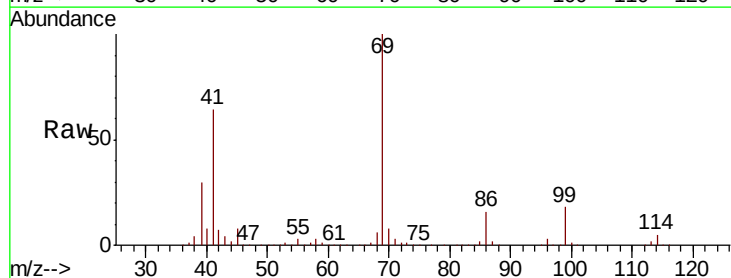
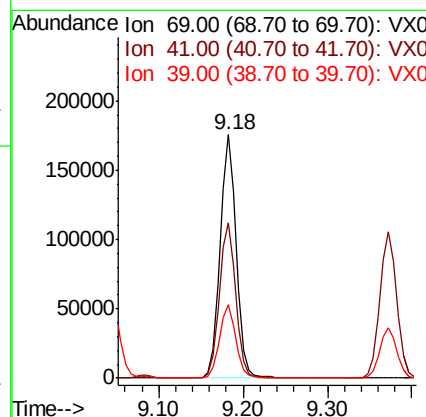
Manual Integrations
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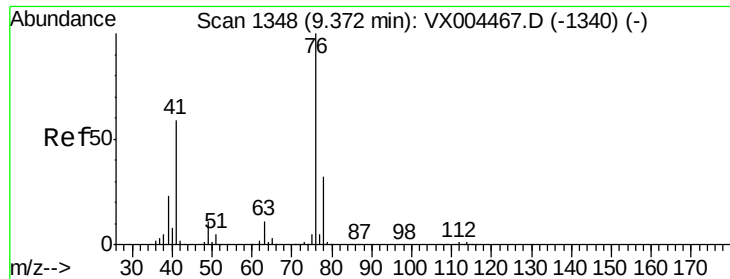
MMDadoda
 9/13/2018 10:58:07 AM



#56
 Ethyl methacrylate
 Concen: 51.18 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Tgt Ion:	69	Resp:	233801
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.0	76.4
39	30.4	26.1	39.1





#57

1,3-Dichloropropane

Concen: 48.82 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 256130

Ion Ratio Lower Upper

76 100

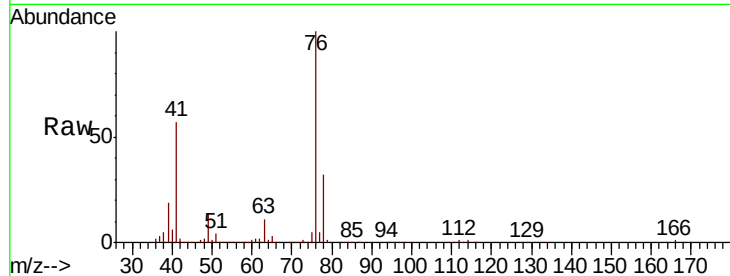
78 32.3 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

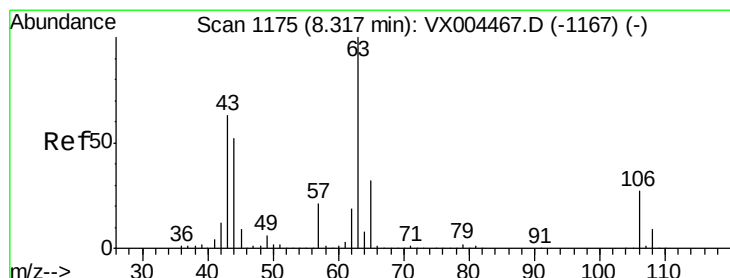
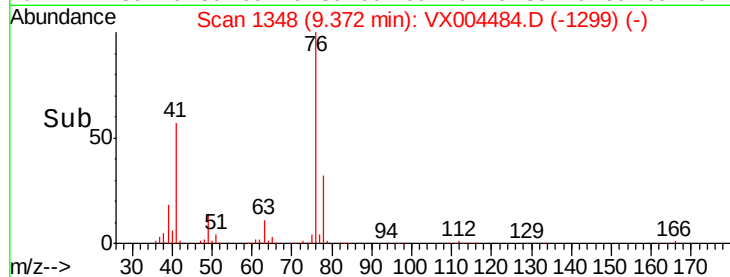
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 255.28 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004484.D

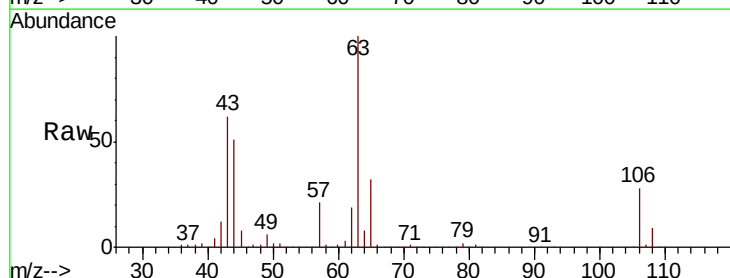
Acq: 12 Sep 2018 10:14

Tgt Ion: 63 Resp: 594521

Ion Ratio Lower Upper

63 100

106 27.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

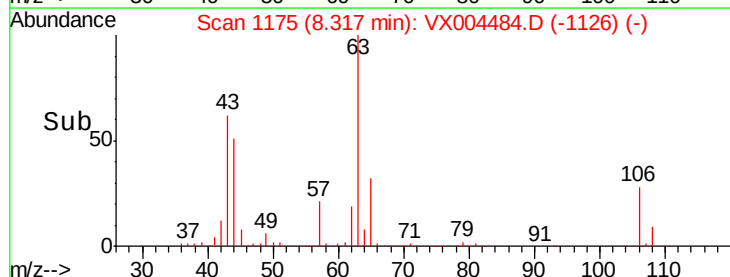
300000

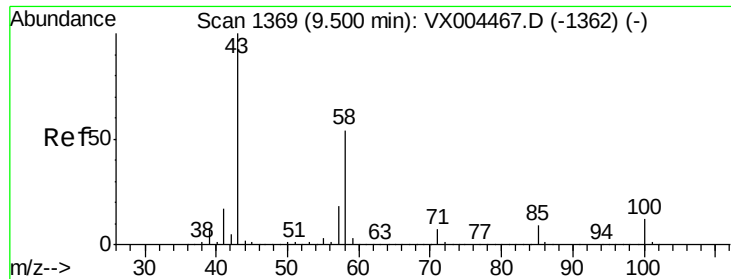
200000

100000

0

Time-->





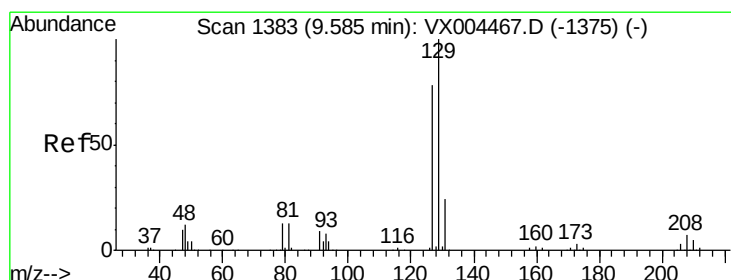
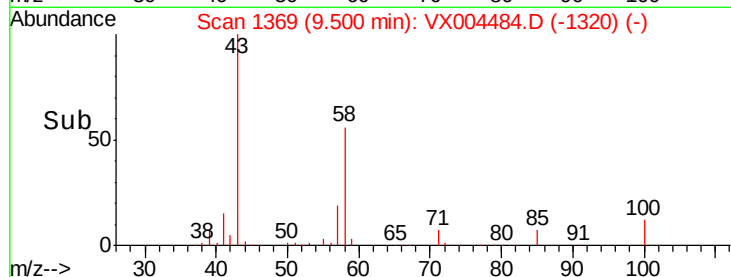
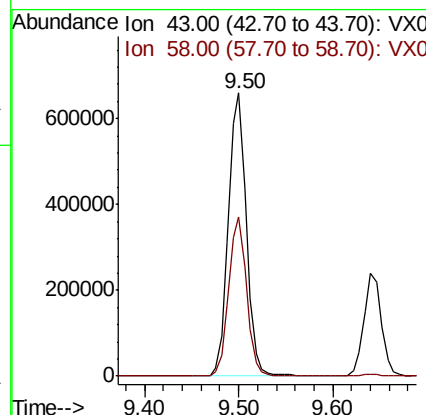
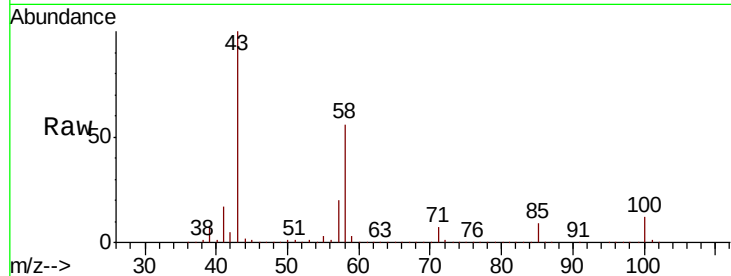
#59
2-Hexanone
Concen: 249.45 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 875059
Ion Ratio Lower Upper
43 100
58 56.0 29.0 87.0

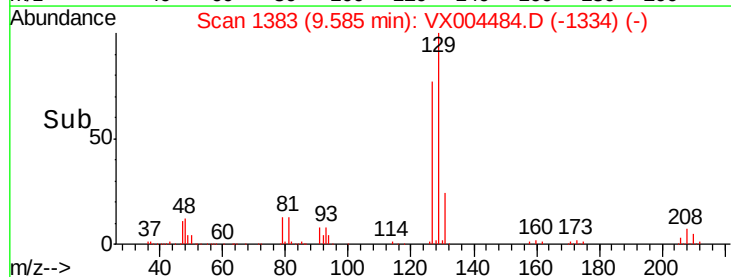
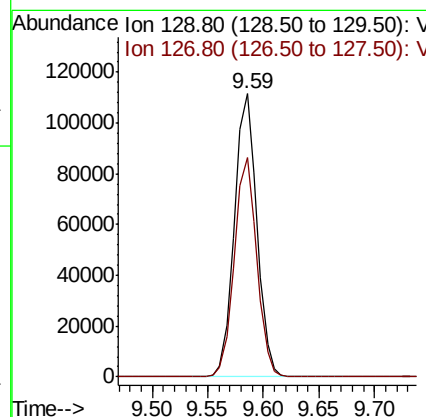
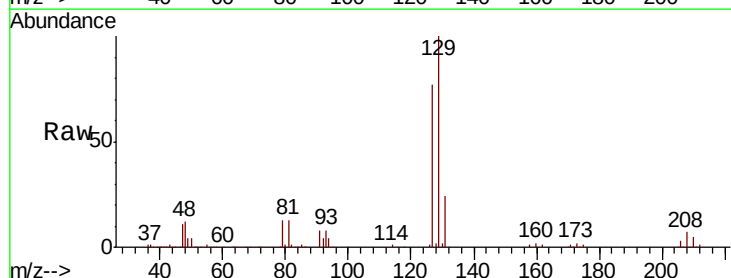
Manual Integrations
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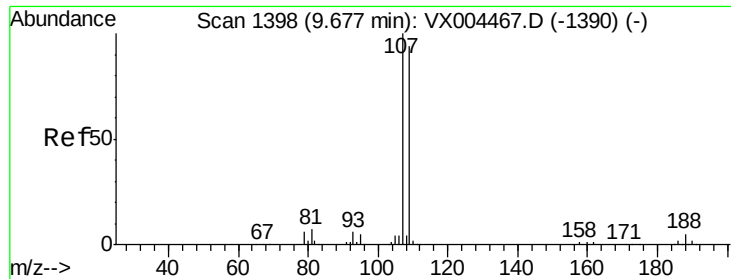
MMDadoda
9/13/2018 10:58:07 AM



#60
Dibromochloromethane
Concen: 51.33 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion: 129 Resp: 156034
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.37 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 158467

Ion Ratio Lower Upper

107 100

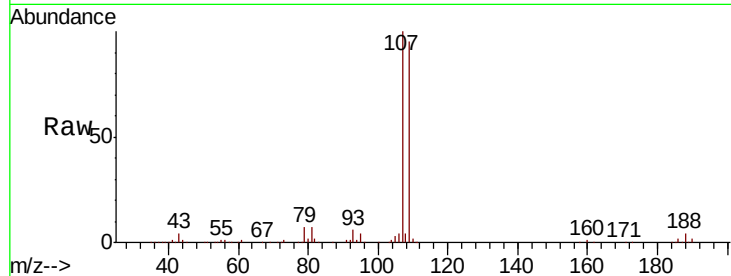
109 95.4 76.0 114.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

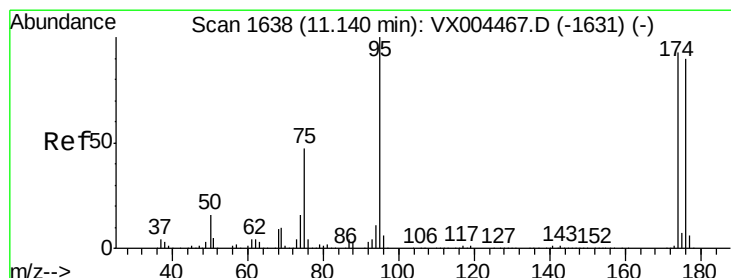
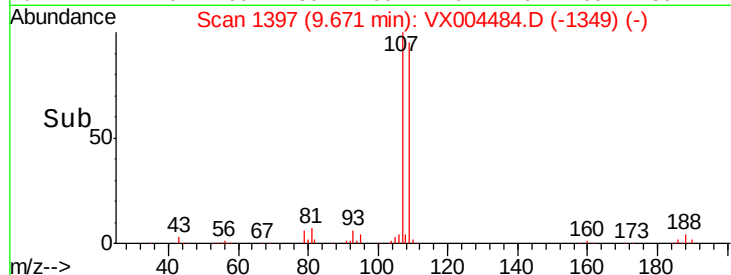
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.62 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

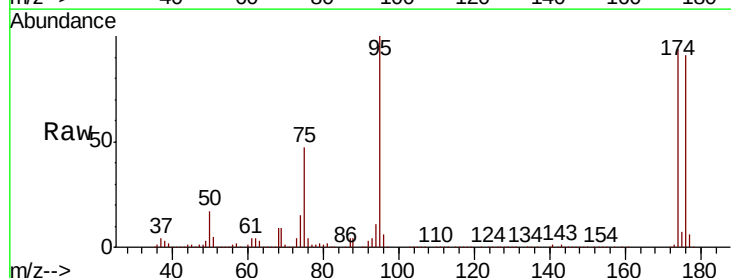
Tgt Ion: 95 Resp: 199798

Ion Ratio Lower Upper

95 100

174 92.3 0.0 185.2

176 89.9 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

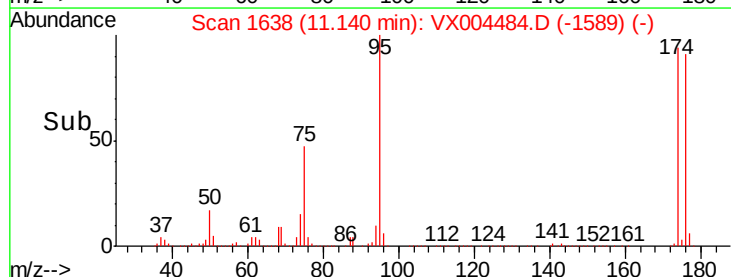
150000

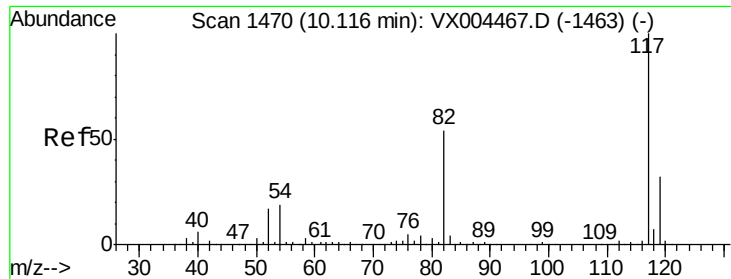
100000

50000

0

Time-->





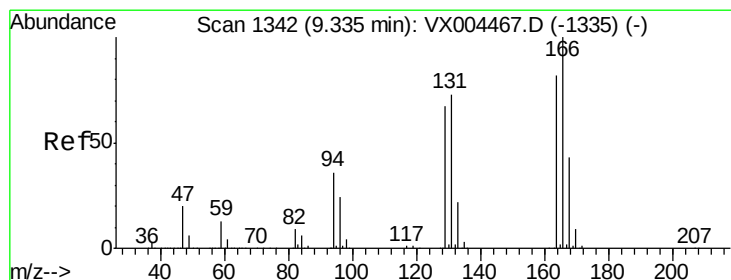
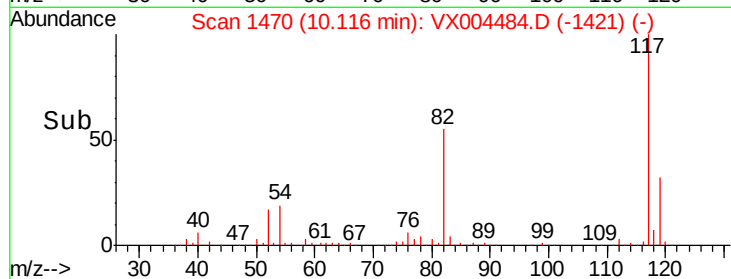
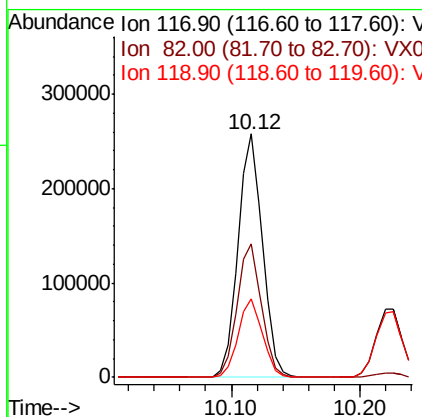
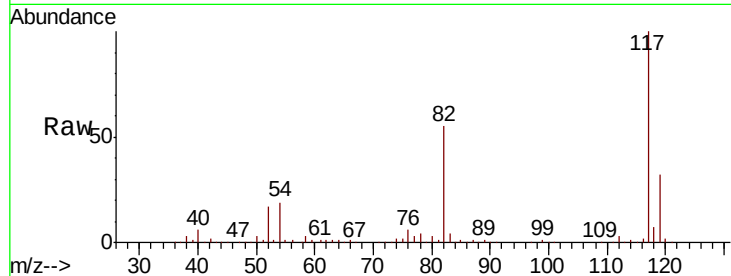
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	47.8	71.6
119	32.4	29.3	43.9

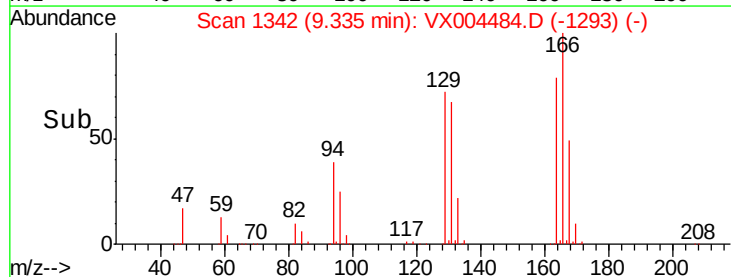
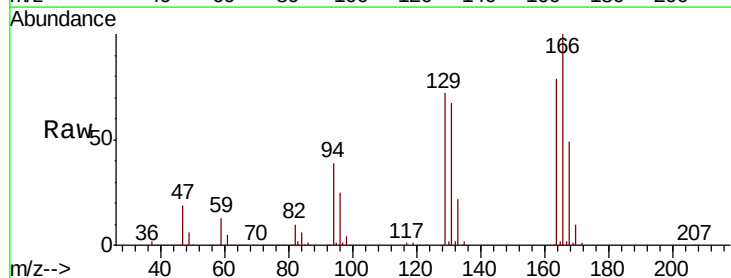
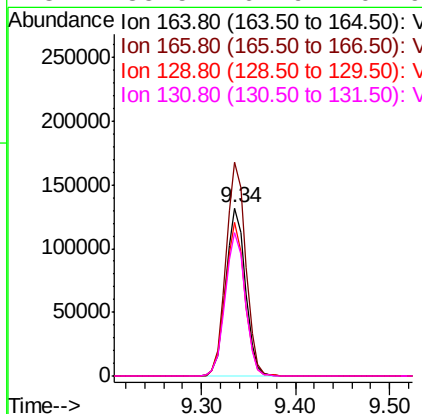
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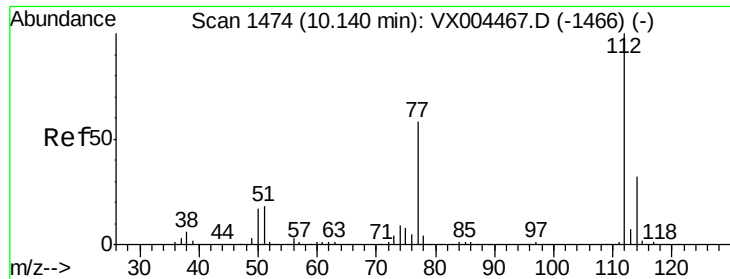
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#64
Tetrachloroethene
Concen: 45.07 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.8	154.2
129	91.0	69.4	104.0
131	85.5	67.9	101.9





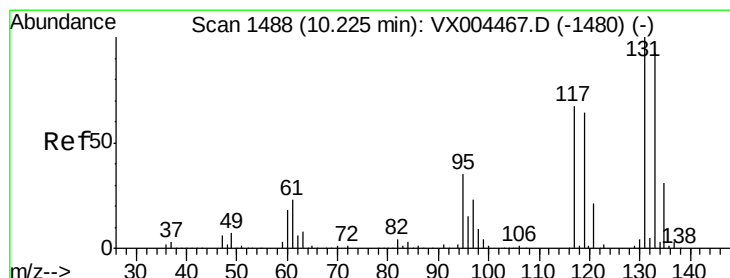
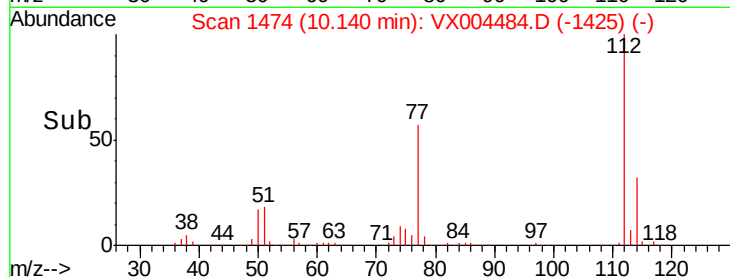
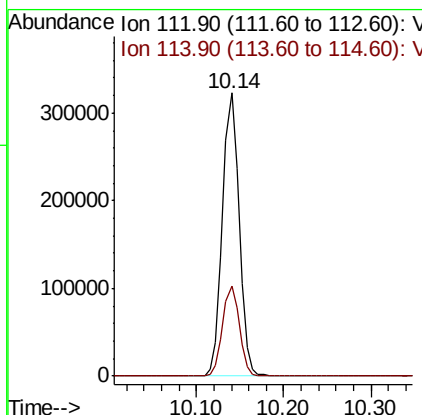
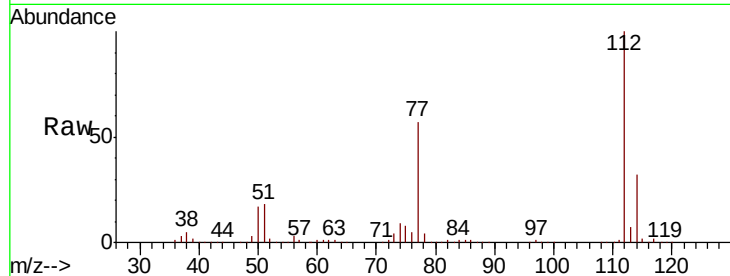
#65
Chlorobenzene
Concen: 50.74 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 426946
Ion Ratio Lower Upper
112 100
114 32.0 27.8 41.8

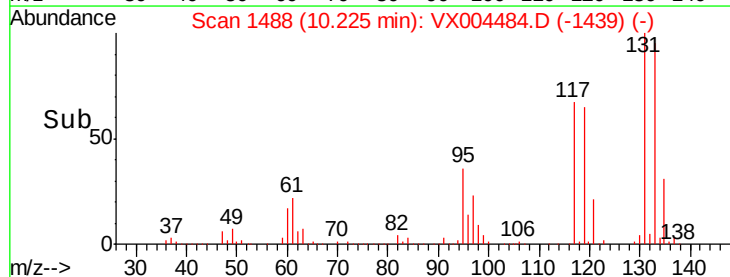
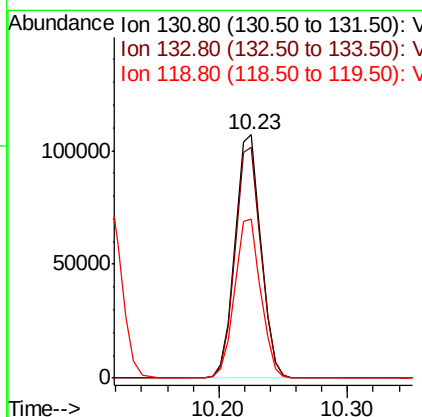
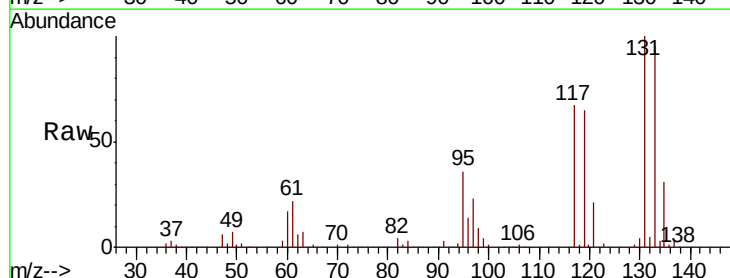
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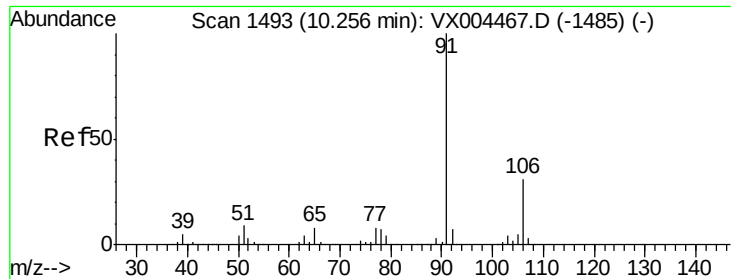
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.71 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion:131 Resp: 150049
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.4
119 65.8 32.9 98.6





#67

Ethyl Benzene

Concen: 53.55 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 732578

Ion Ratio Lower Upper

91 100

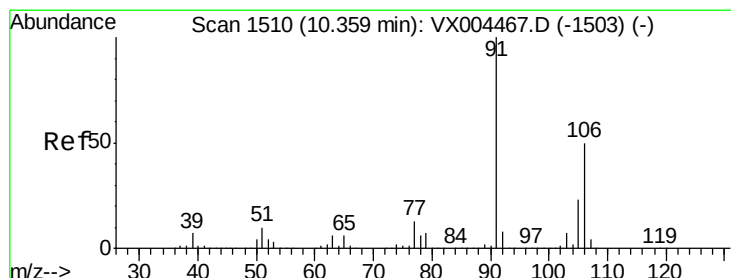
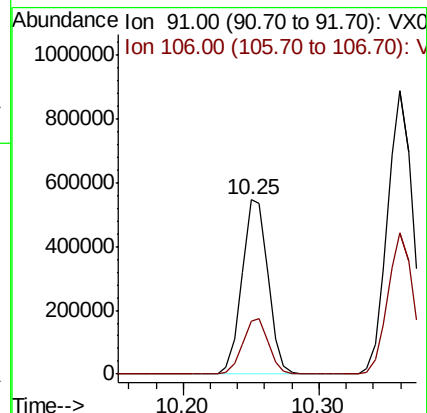
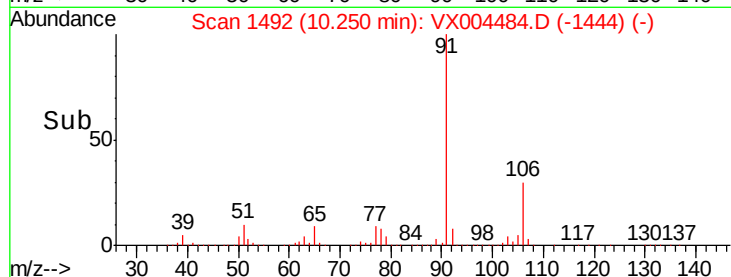
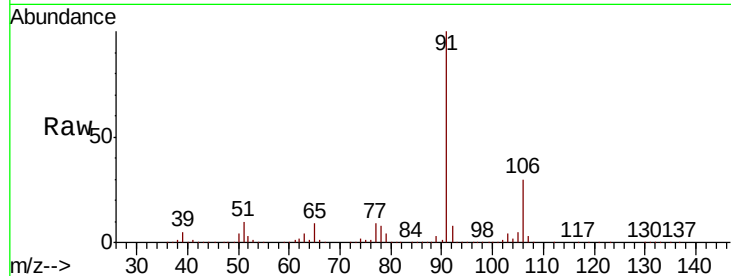
106 30.4 25.9 38.9

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#68

m/p-Xylenes

Concen: 109.50 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004484.D

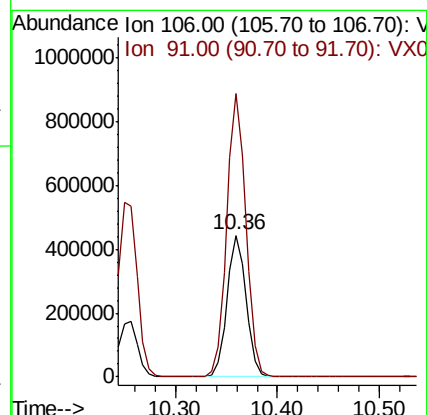
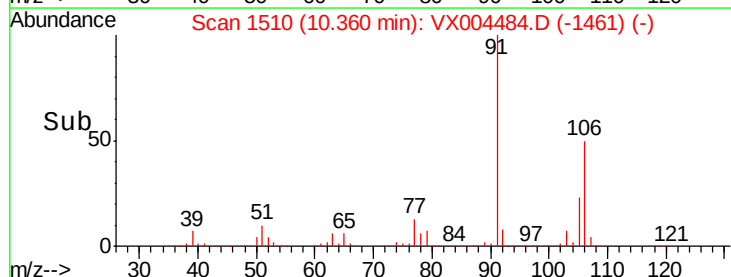
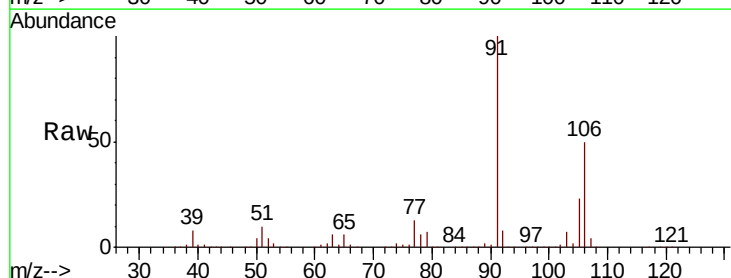
Acq: 12 Sep 2018 10:14

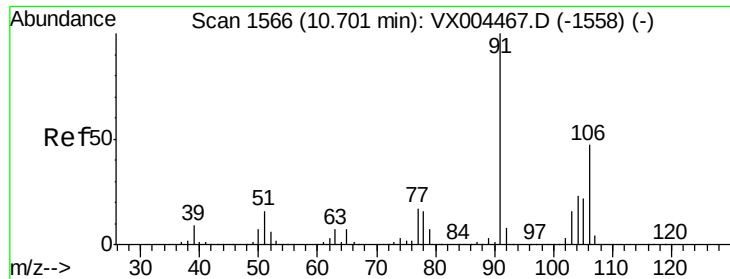
Tgt Ion: 106 Resp: 577080

Ion Ratio Lower Upper

106 100

91 200.5 157.1 235.7





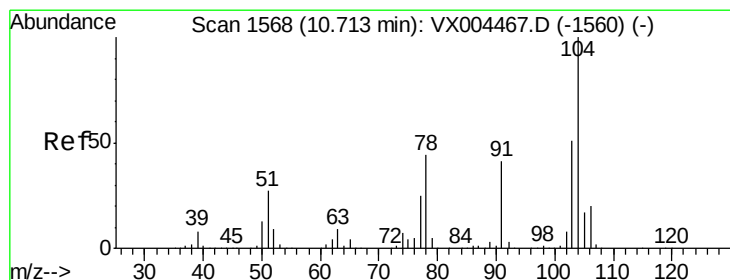
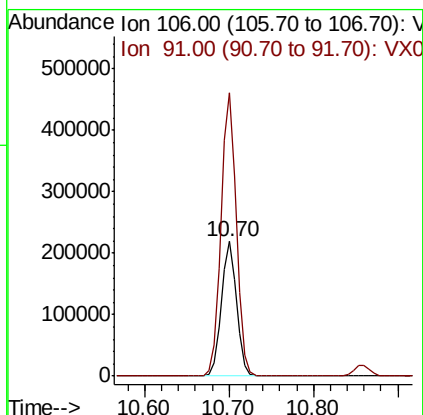
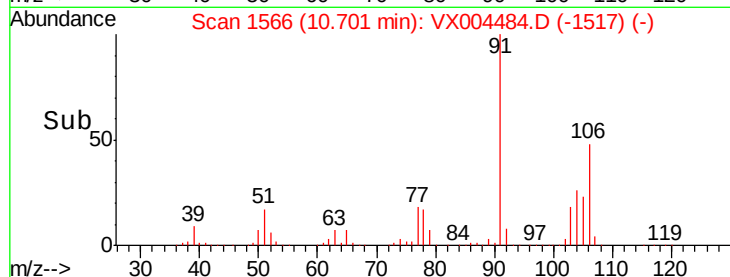
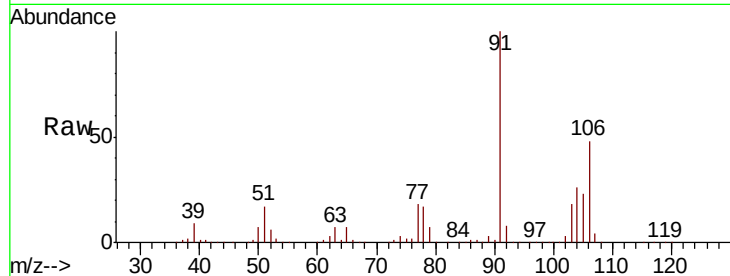
#69
o-Xylene
Concen: 54.19 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 274580
Ion Ratio Lower Upper
106 100
91 211.7 105.1 315.1

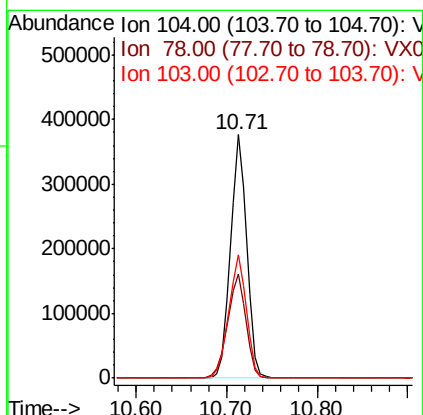
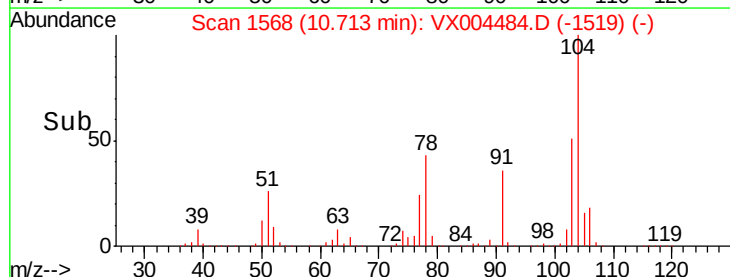
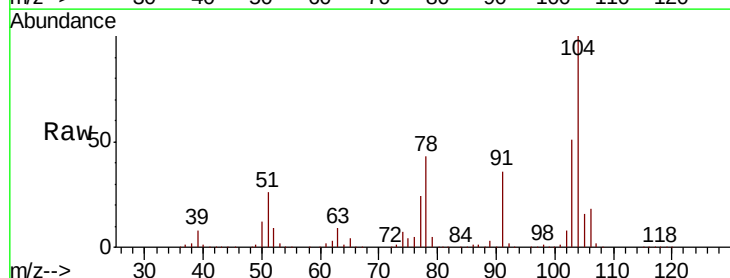
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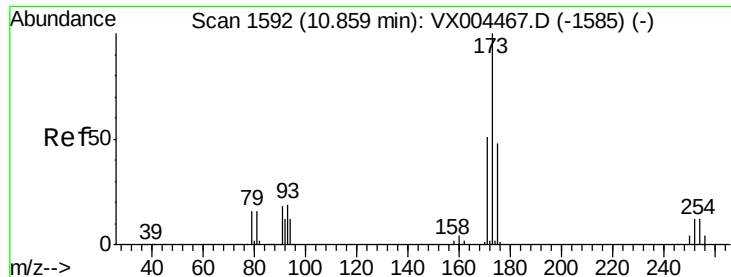
MMDadoda
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#70
Styrene
Concen: 55.91 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion:104 Resp: 469324
Ion Ratio Lower Upper
104 100
78 47.8 37.4 56.0
103 55.1 43.8 65.6





#71

Bromoform

Concen: 51.99 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

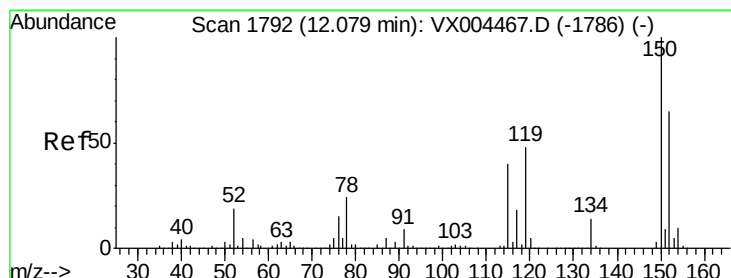
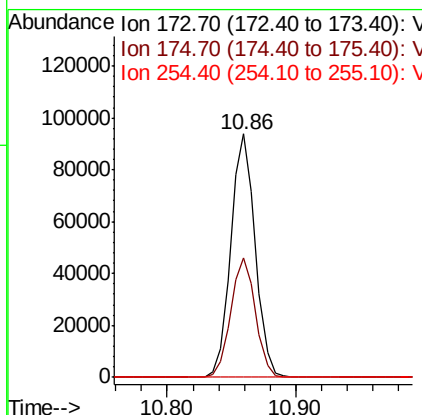
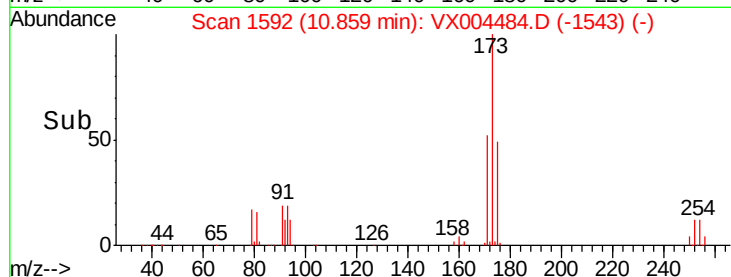
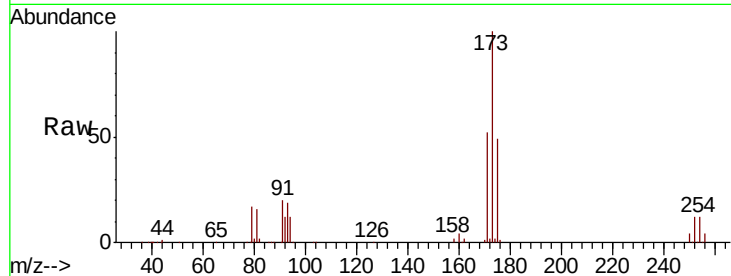
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	123871
Ion Ratio	Lower	Upper	
173	100		
175	49.5	24.1	72.3
254	0.2	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

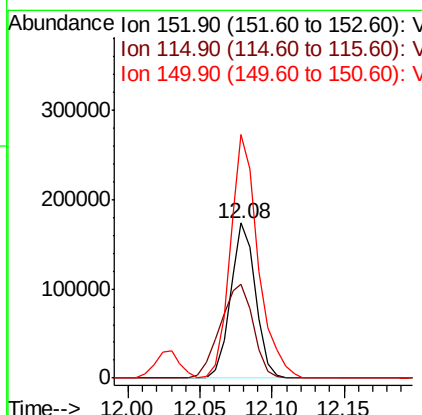
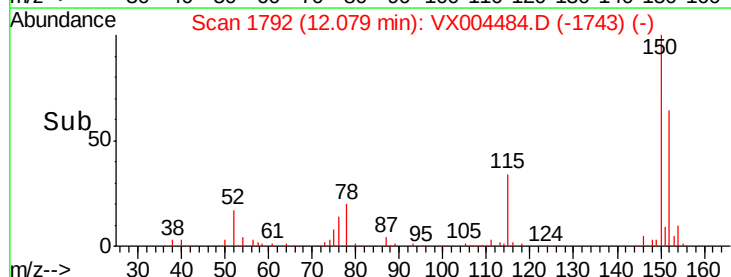
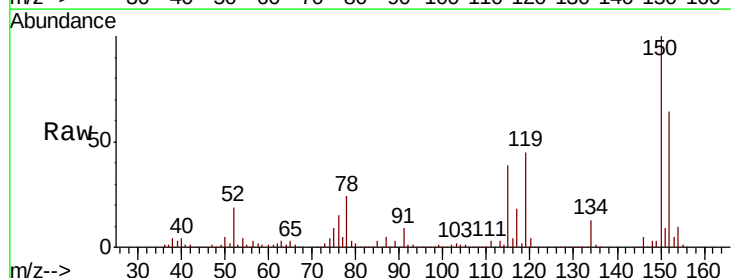
RT: 12.08 min Scan# 1792

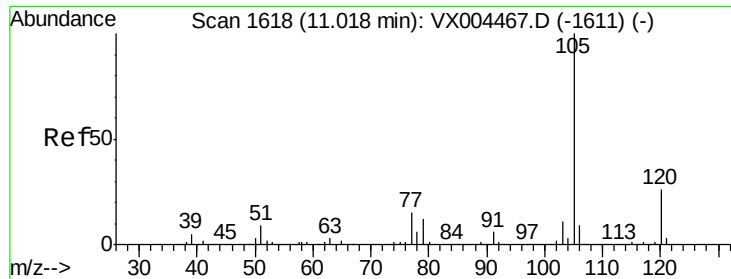
Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Tgt Ion:	152	Resp:	210833
Ion Ratio	Lower	Upper	
152	100		
115	79.9	39.0	117.0
150	174.6	0.0	351.0





#73

Isopropylbenzene

Concen: 53.61 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 744453

Ion Ratio Lower Upper

105 100

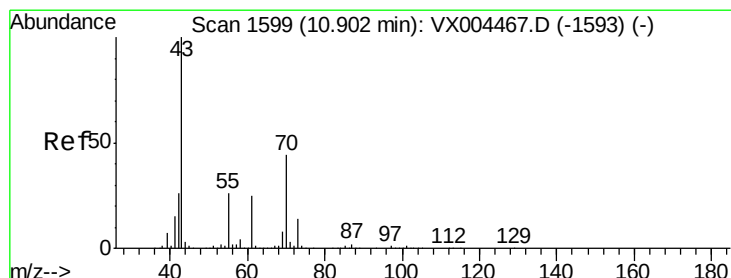
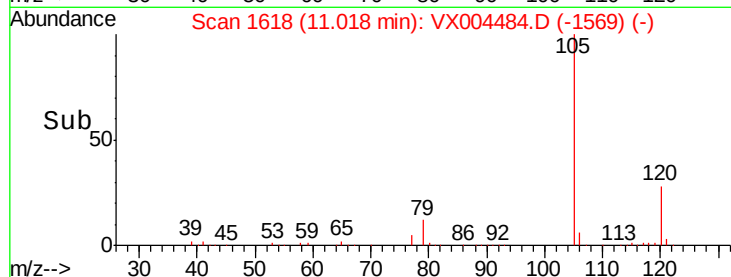
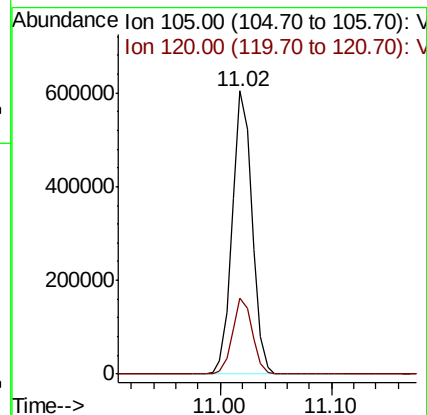
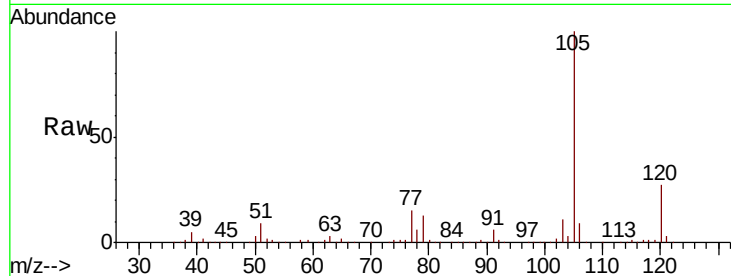
120 26.7 13.5 40.4

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#74

N-ethyl acetate

Concen: 53.36 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Tgt Ion: 43 Resp: 311847

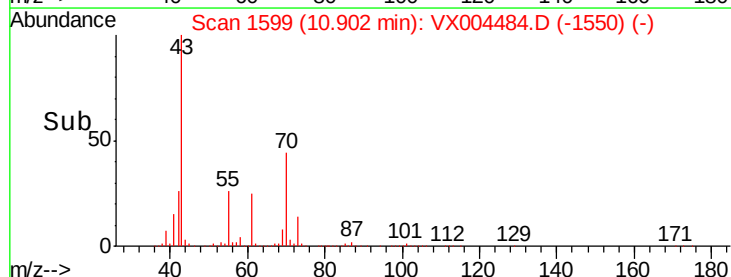
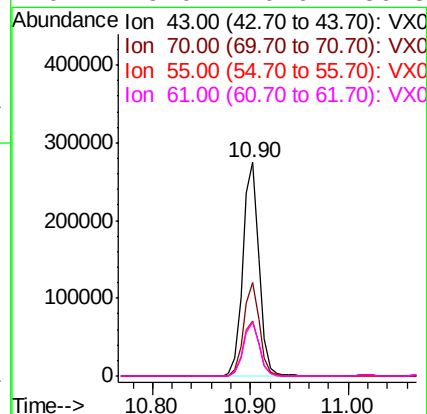
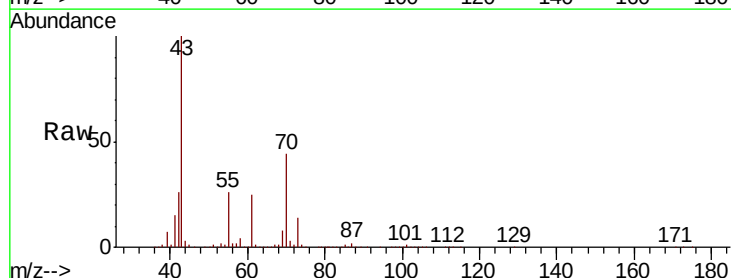
Ion Ratio Lower Upper

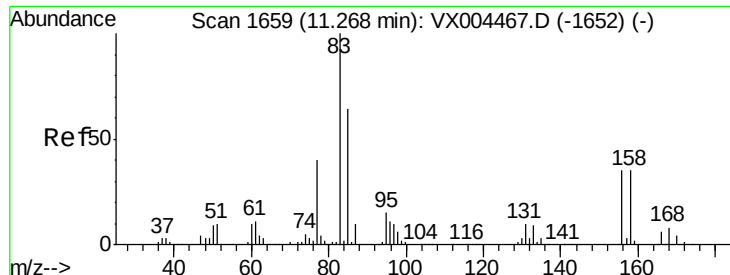
43 100

70 43.0 37.4 56.0

55 26.2 21.8 32.8

61 25.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.10 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 224392

Ion Ratio Lower Upper

83 100

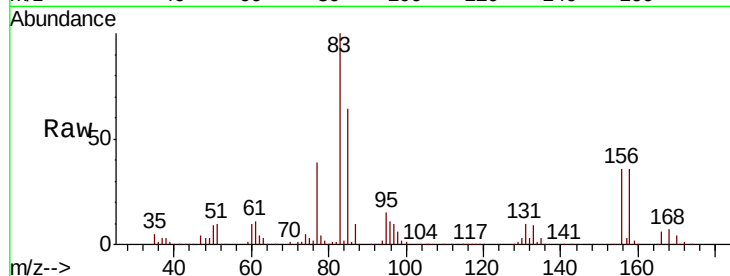
131 10.2 5.2 15.6

85 64.7 32.3 96.8

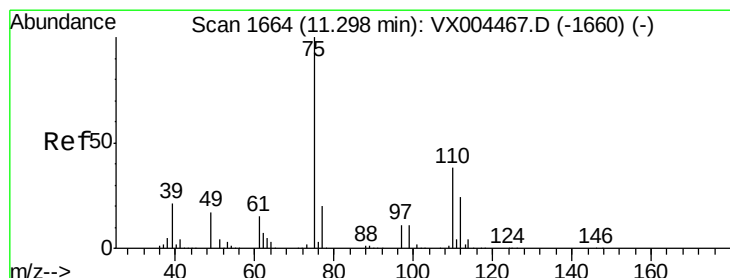
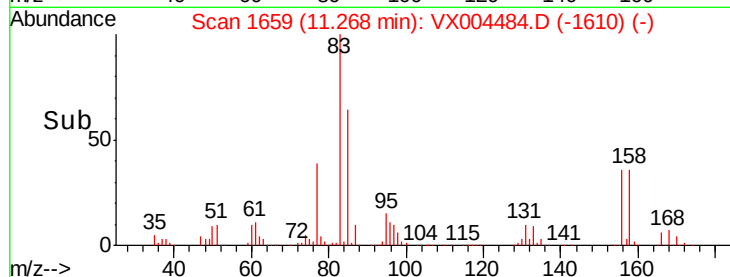
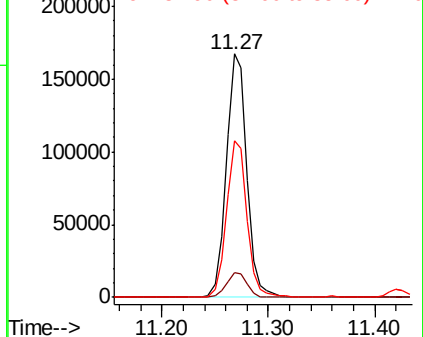
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 50.22 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004484.D

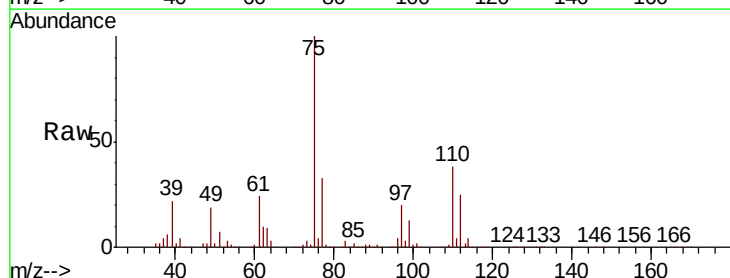
Acq: 12 Sep 2018 10:14

Tgt Ion: 75 Resp: 213041

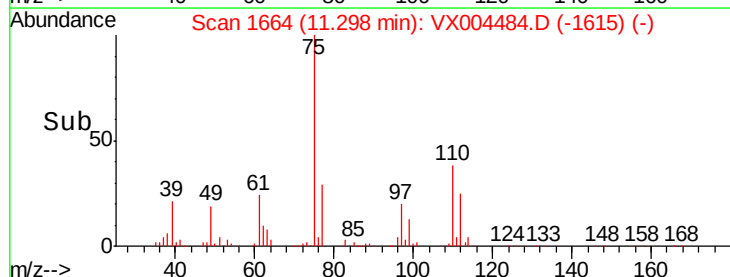
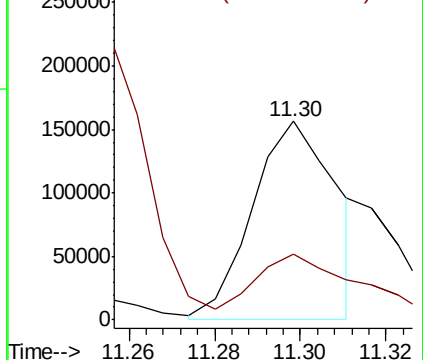
Ion Ratio Lower Upper

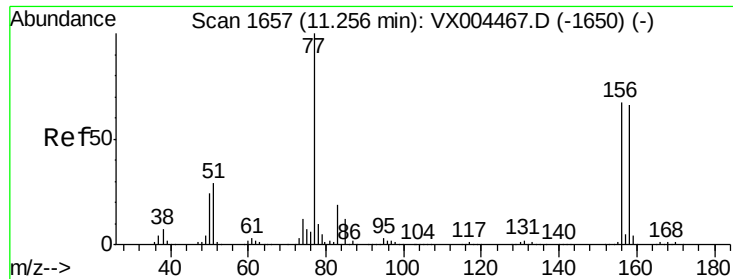
75 100

77 41.9 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: 51.20 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

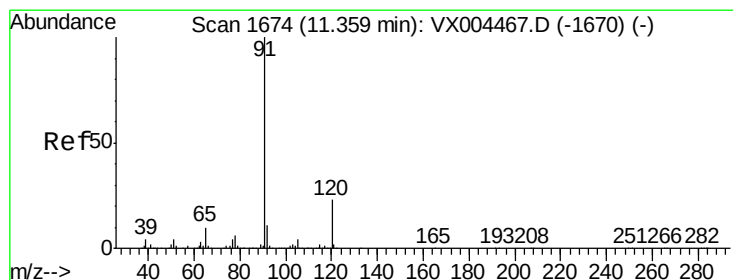
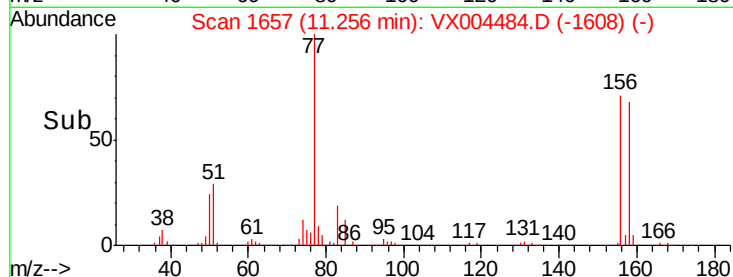
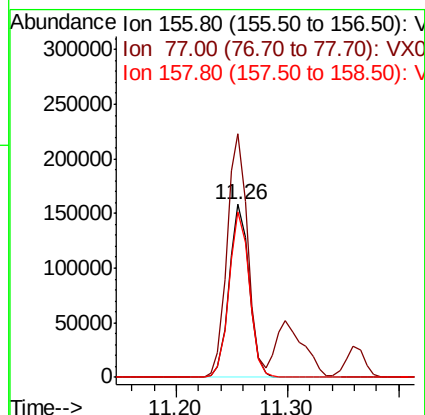
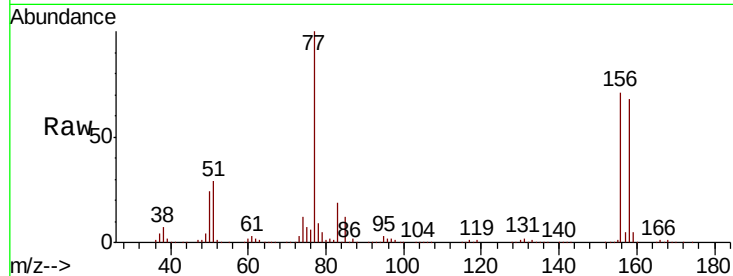
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	196486
Ion Ratio	Lower	Upper	
156	100		
77	145.5	71.5	214.3
158	96.9	48.9	146.8

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#78

n-propylbenzene

Concen: 55.00 ug/l

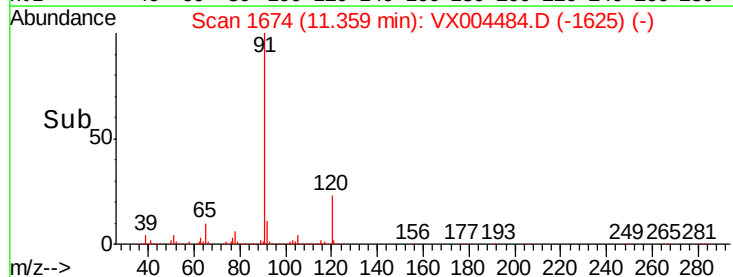
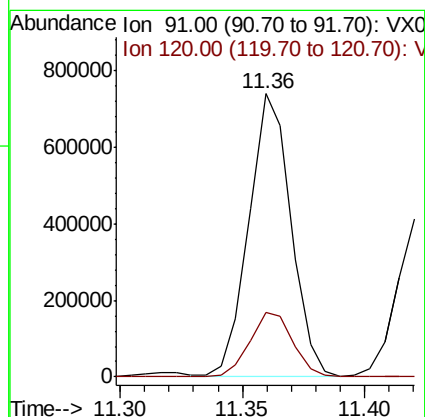
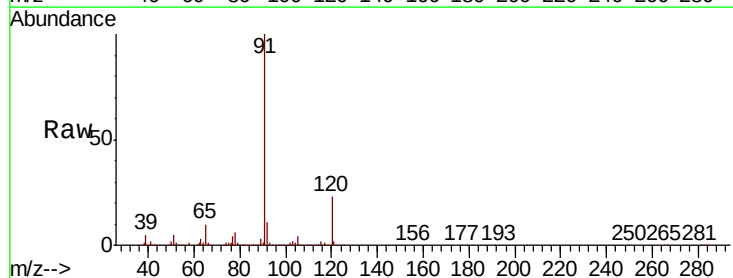
RT: 11.36 min Scan# 1674

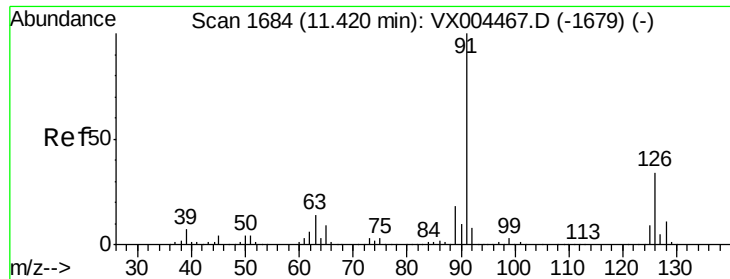
Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Tgt Ion:	91	Resp:	878103
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.9





#79

2-Chlorotoluene

Concen: 52.18 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 505280

Ion Ratio Lower Upper

91 100

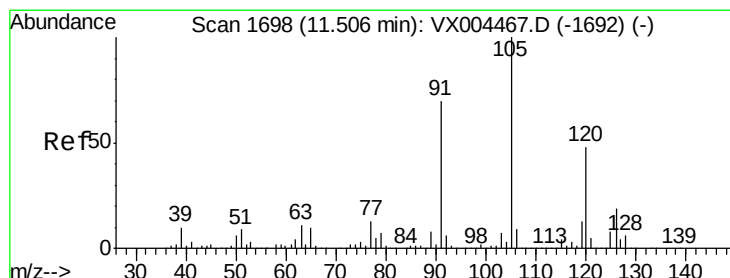
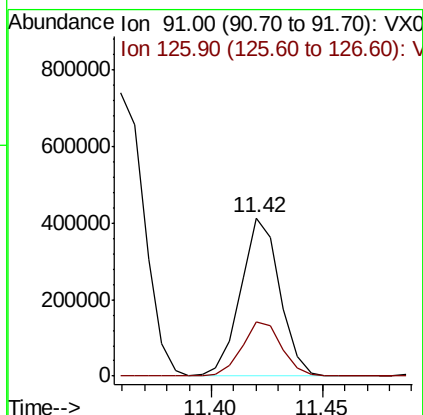
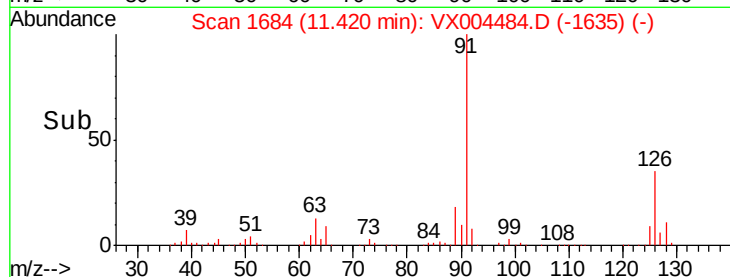
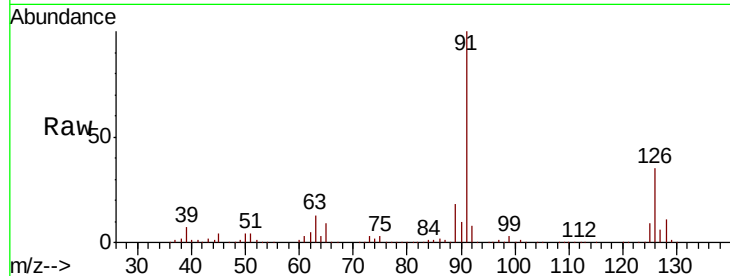
126 35.3 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.77 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004484.D

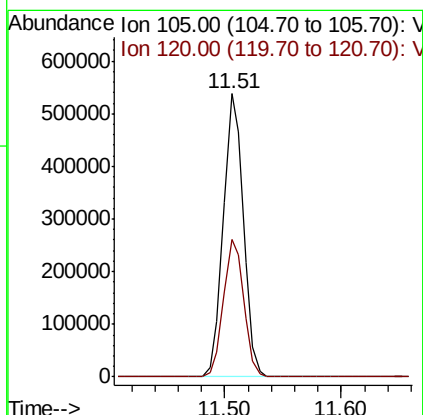
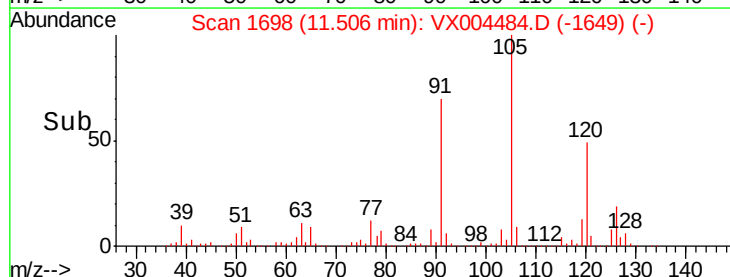
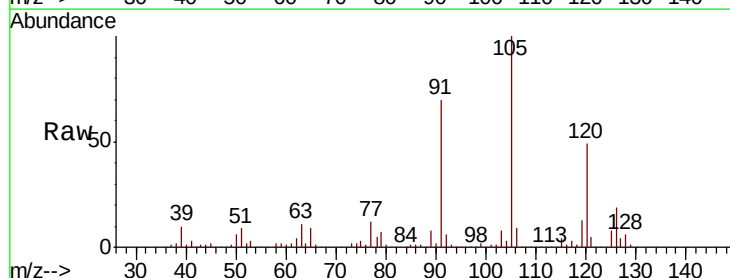
Acq: 12 Sep 2018 10:14

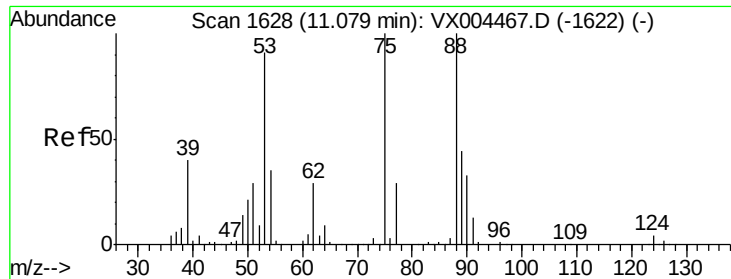
Tgt Ion: 105 Resp: 639330

Ion Ratio Lower Upper

105 100

120 49.1 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 55.58 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 73963

Ion Ratio Lower Upper

75 100

53 94.4 80.1 120.1

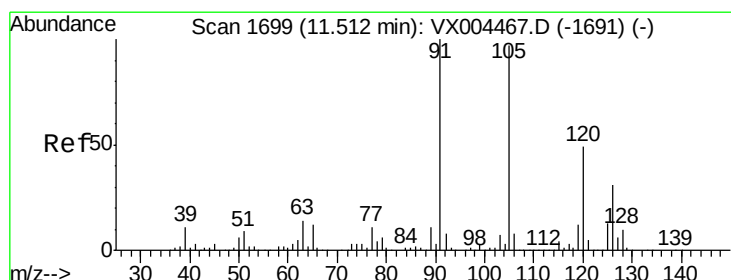
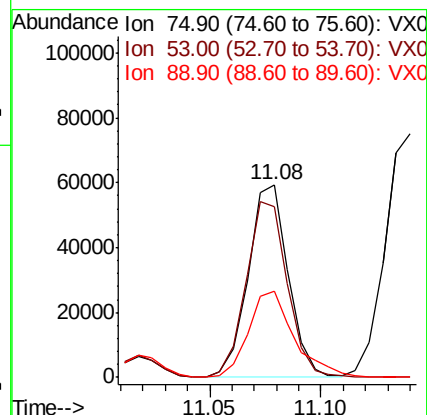
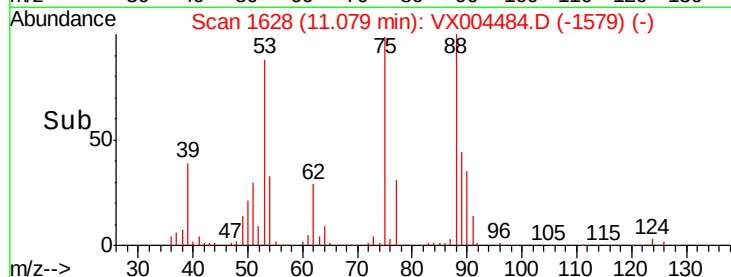
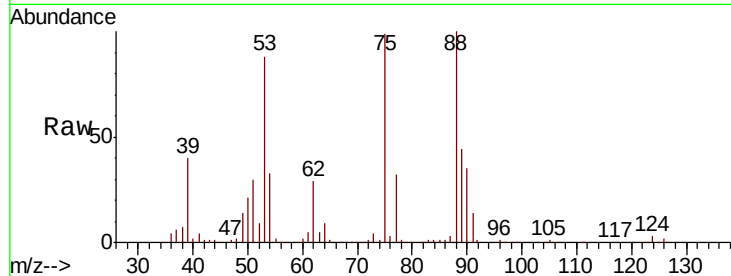
89 51.3 37.2 55.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 53.40 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004484.D

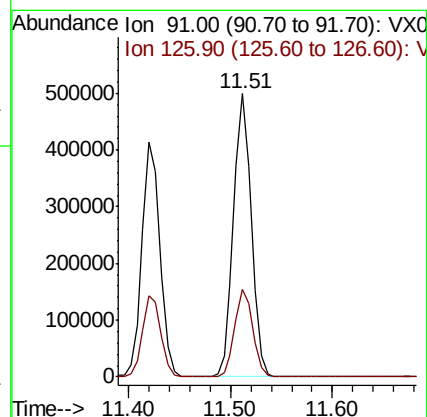
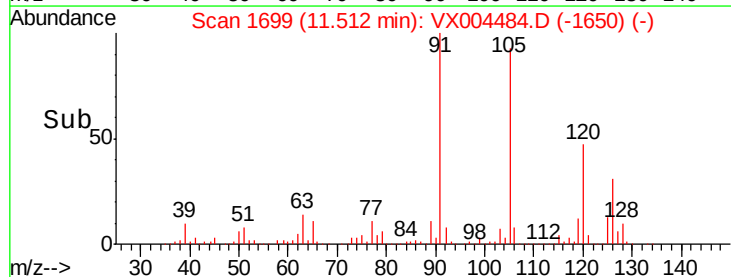
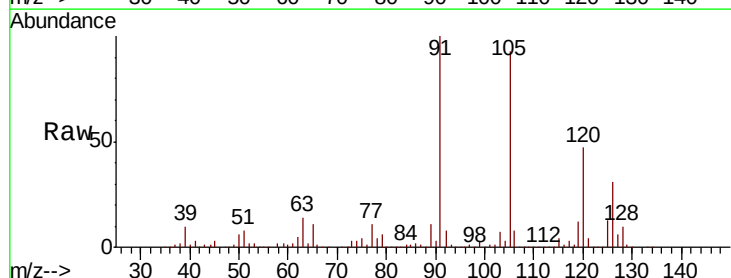
Acq: 12 Sep 2018 10:14

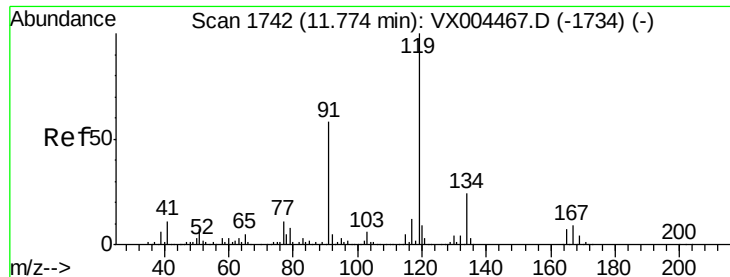
Tgt Ion: 91 Resp: 603503

Ion Ratio Lower Upper

91 100

126 31.1 15.5 46.5





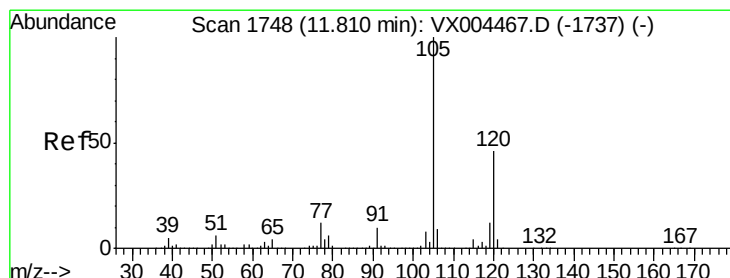
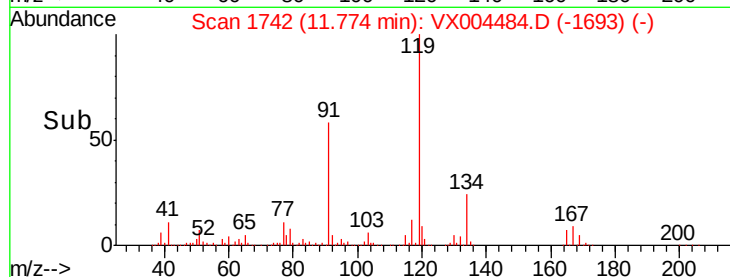
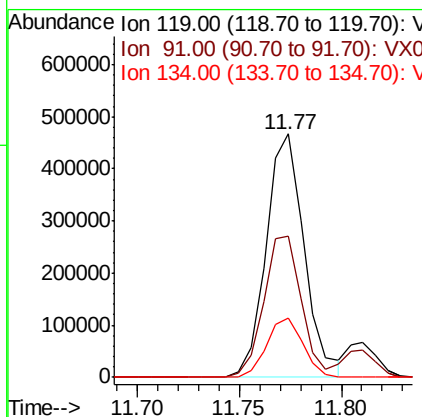
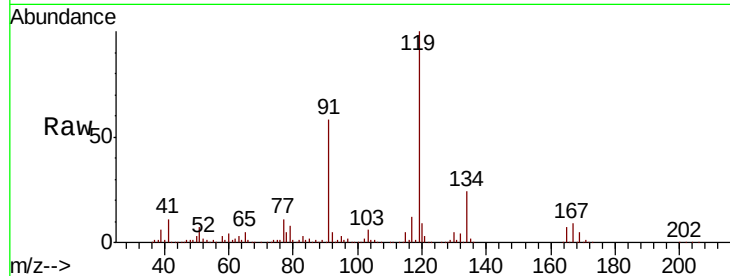
#83
 tert-Butylbenzene
 Concen: 54.60 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.1	27.0	81.0
134	23.4	11.7	35.1

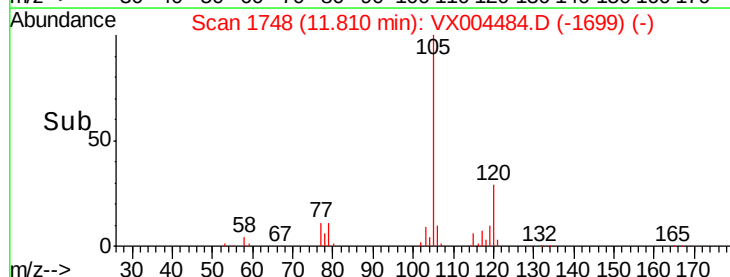
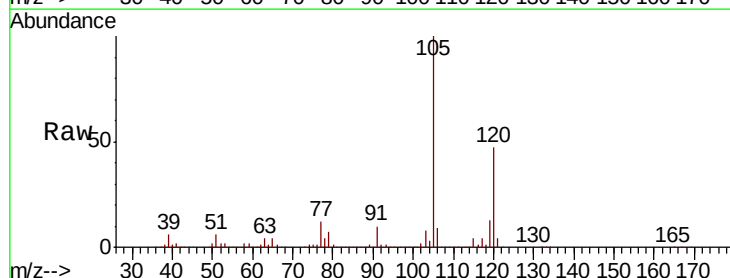
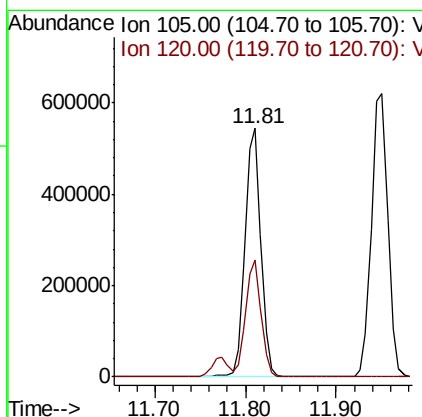
Manual Integrations
 APPROVED

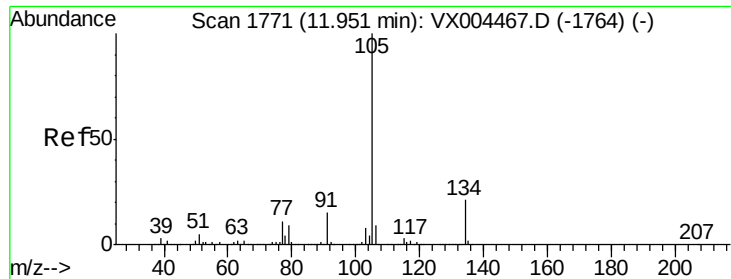
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.13 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.2	69.6





#85

sec-Butylbenzene

Concen: 55.02 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 779142

Ion Ratio Lower Upper

105 100

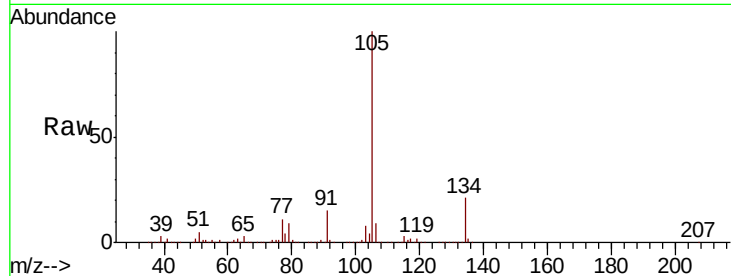
134 20.5 10.5 31.5

Manual Integrations

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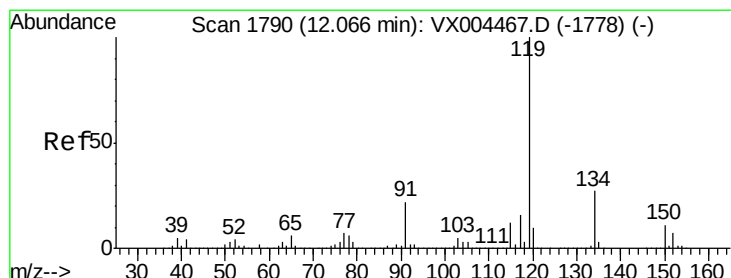
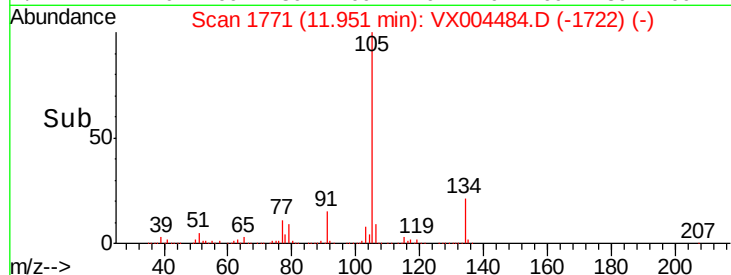
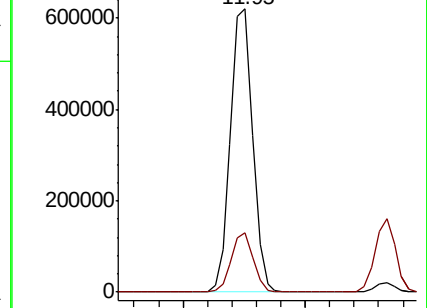
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.35 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004484.D

Acq: 12 Sep 2018 10:14

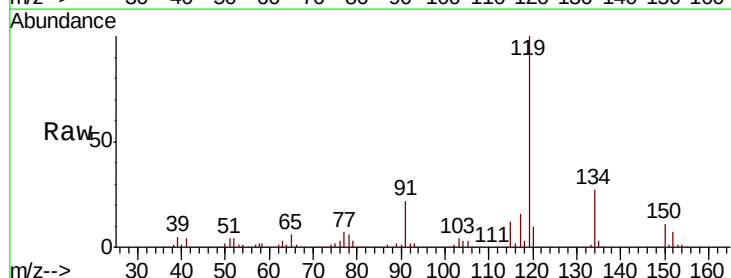
Tgt Ion:119 Resp: 704636

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

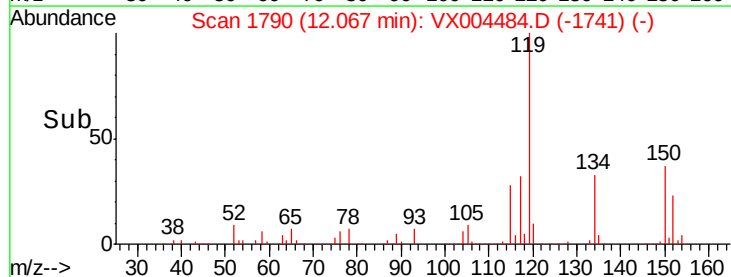
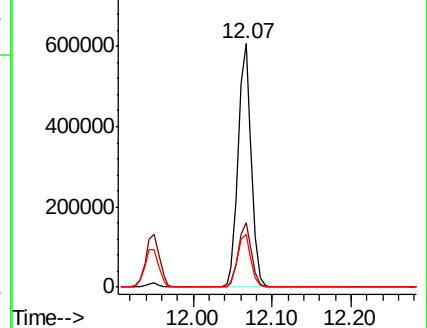
91 22.4 10.9 32.7

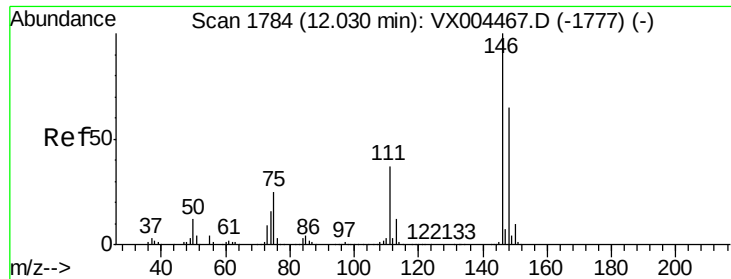


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





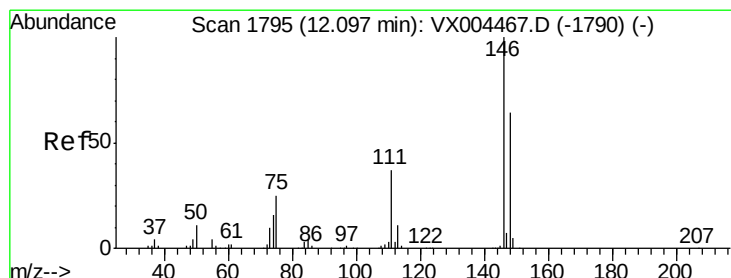
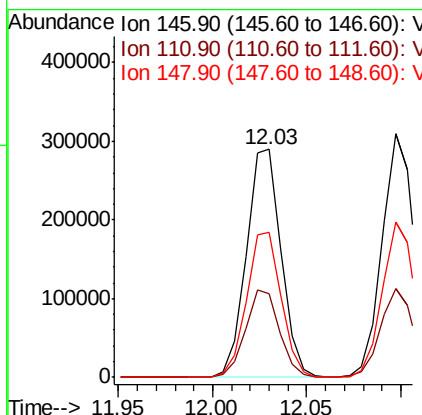
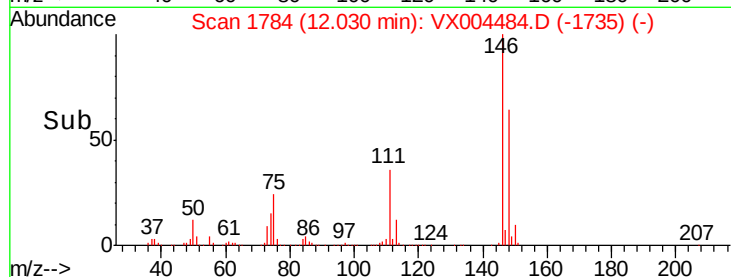
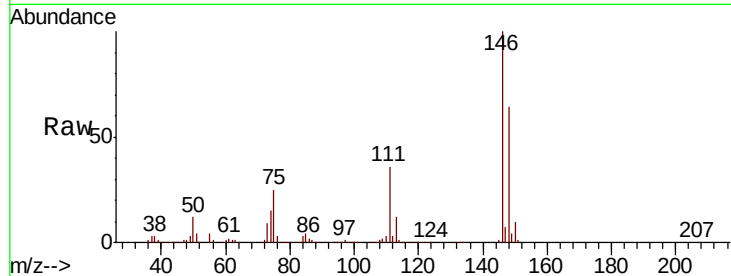
#87
 1,3-Dichlorobenzene
 Concen: 51.67 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	63.5	32.1	96.5

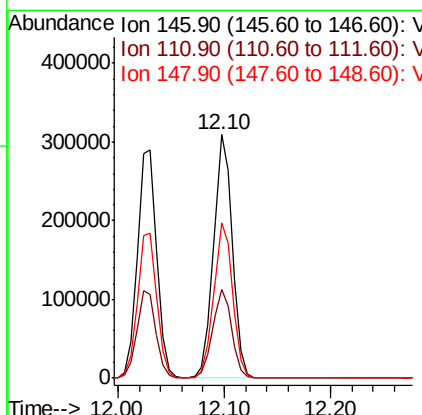
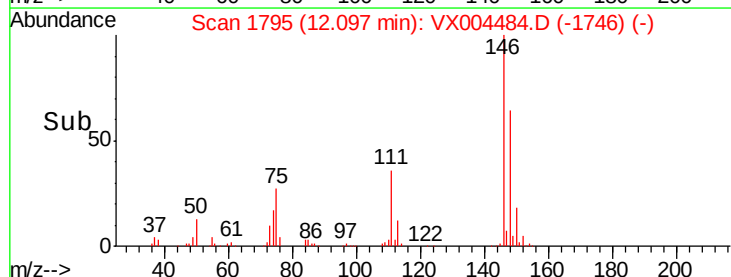
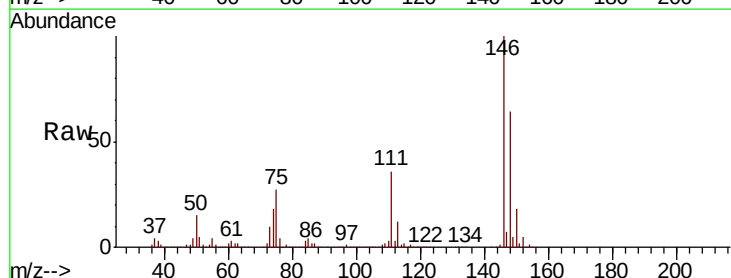
Manual Integrations
 APPROVED

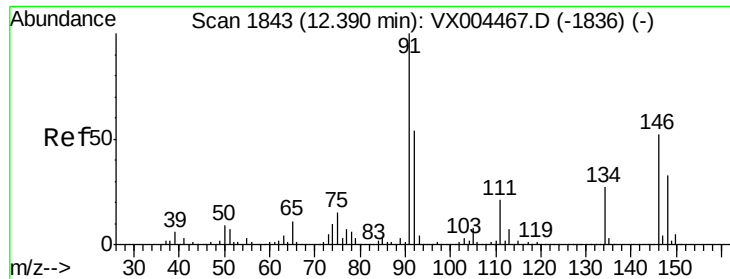
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 9/13/2018 10:58:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.61 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	64.0	32.0	96.0





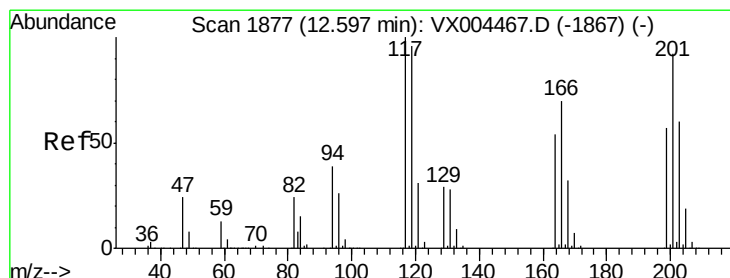
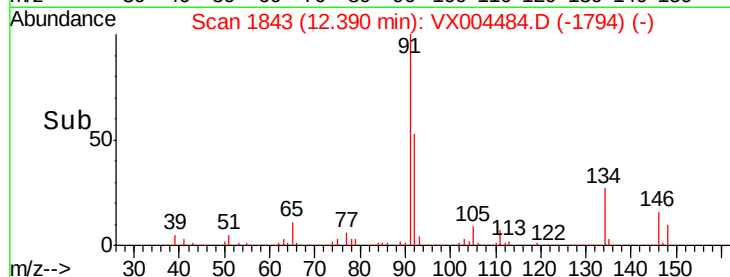
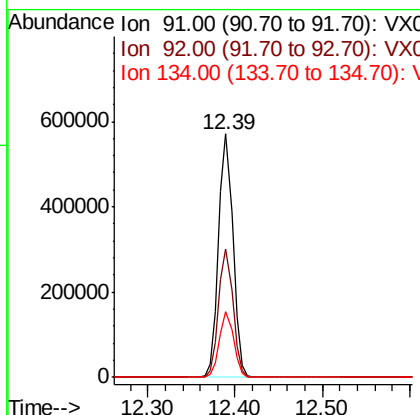
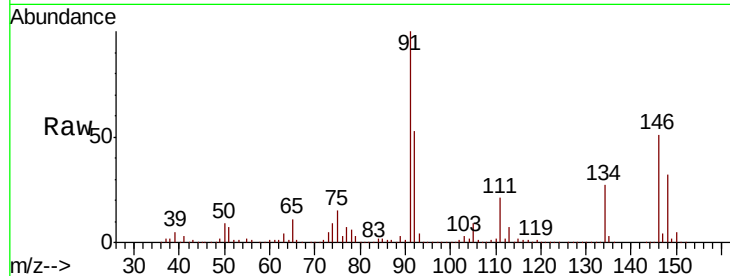
#89
n-Butylbenzene
Concen: 56.49 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	27.3	81.9
134	26.5	13.6	40.7

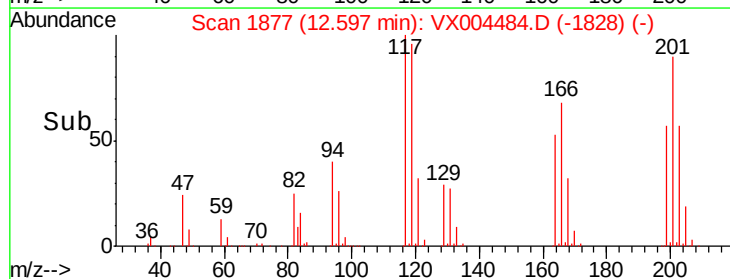
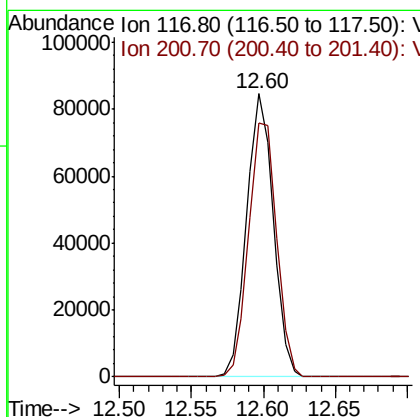
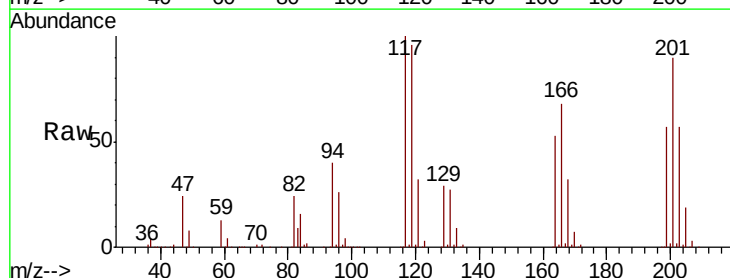
Manual Integrations
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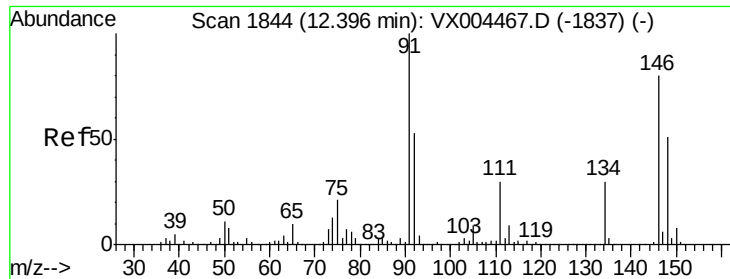
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#90
Hexachloroethane
Concen: 53.91 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.4	46.9	140.6





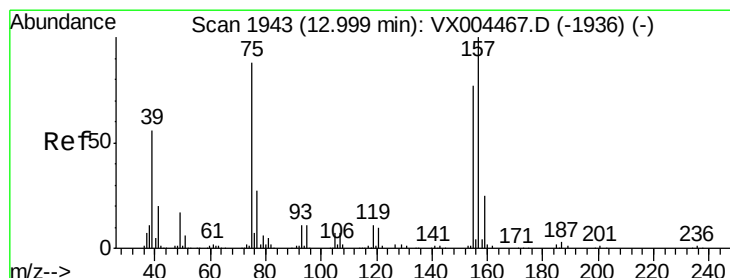
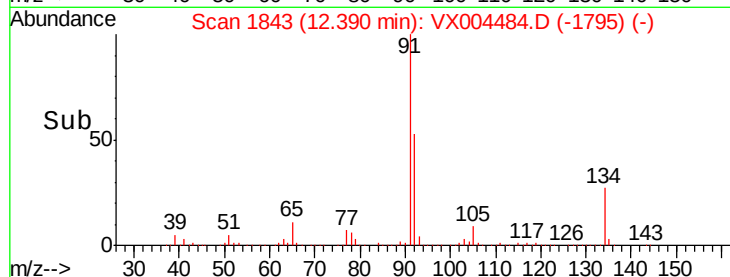
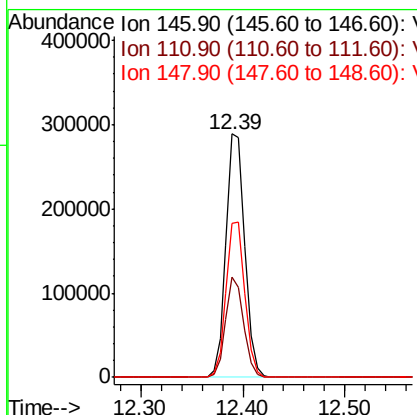
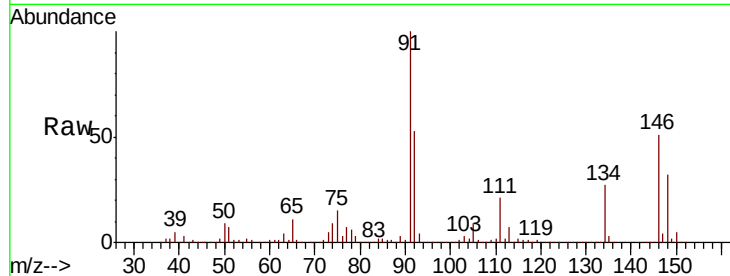
#91
 1,2-Dichlorobenzene
 Concen: 50.70 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.4	58.1
148	63.9	32.8	98.3

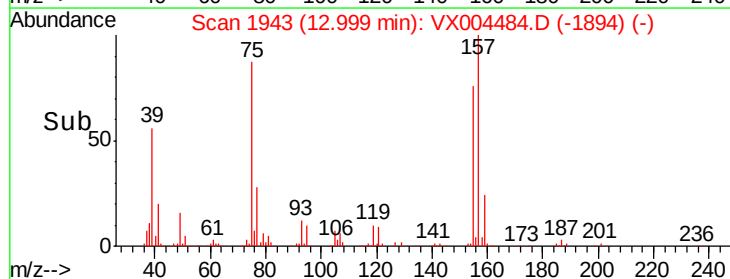
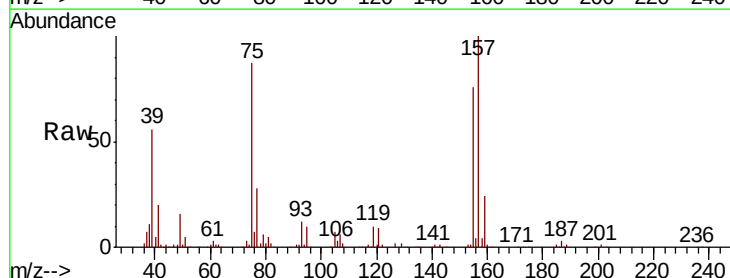
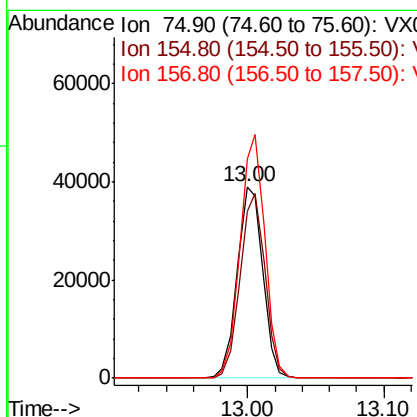
Manual Integrations
 APPROVED

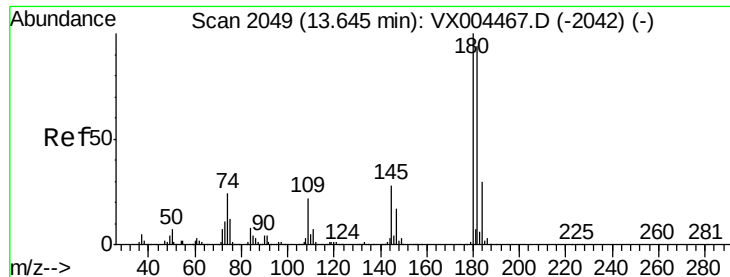
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 9/13/2018 10:58:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.31 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	48.0	144.2
157	123.0	61.4	184.1





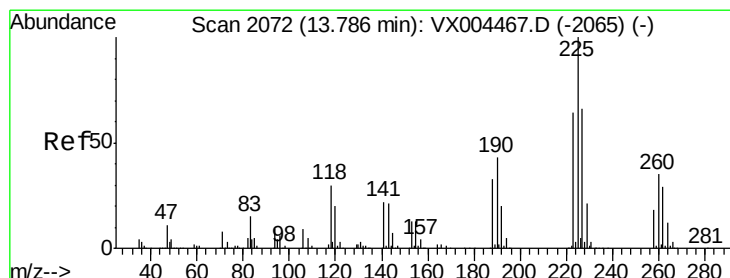
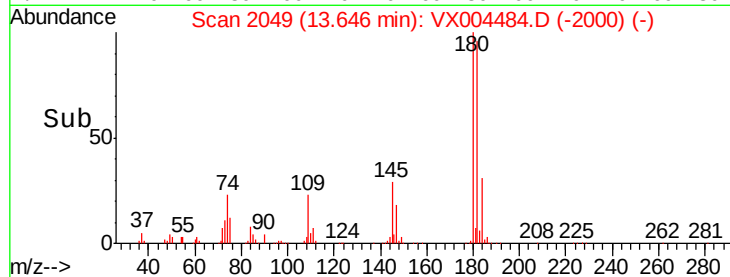
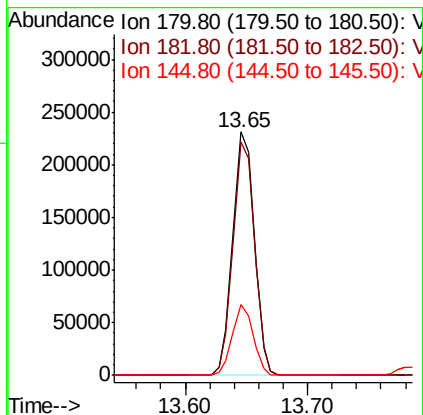
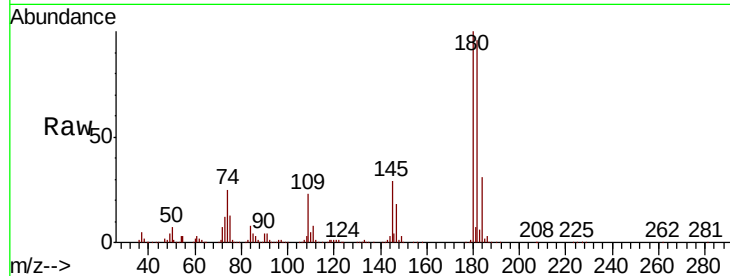
#93
 1,2,4-Trichlorobenzene
 Concen: 54.77 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	281091		
182	96.0	48.4	145.0	
145	28.2	14.3	42.9	

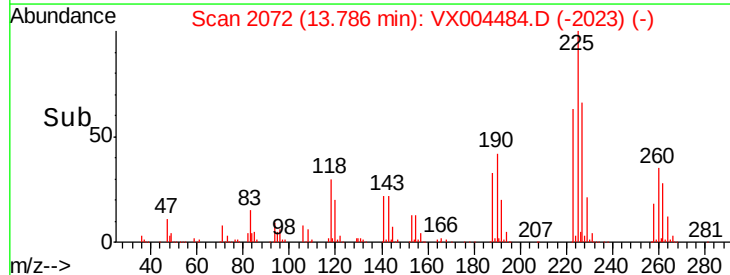
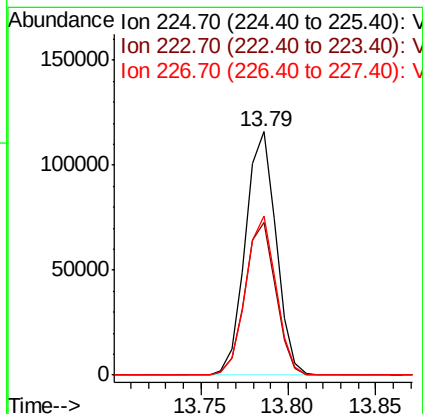
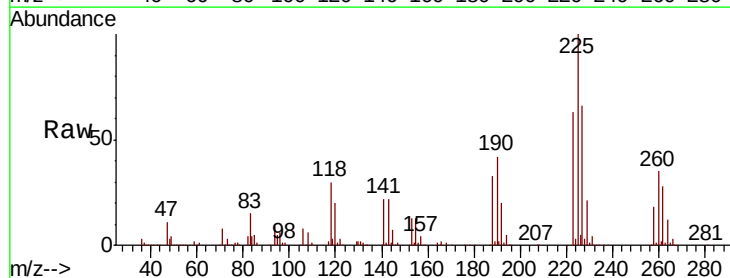
Manual Integrations
 APPROVED

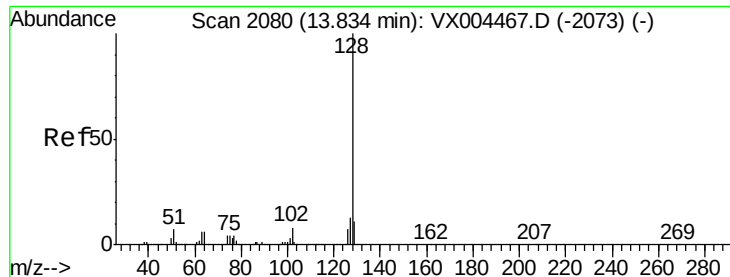
MMDadoda
 9/13/2018 10:58:07 AM



#94
 Hexachlorobutadiene
 Concen: 53.00 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004484.D
 Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	142085		
223	62.5	30.1	90.5	
227	64.3	30.8	92.4	





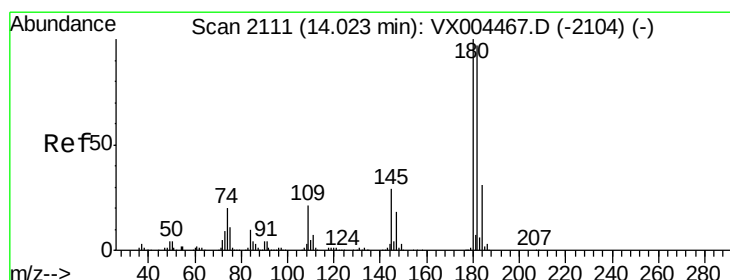
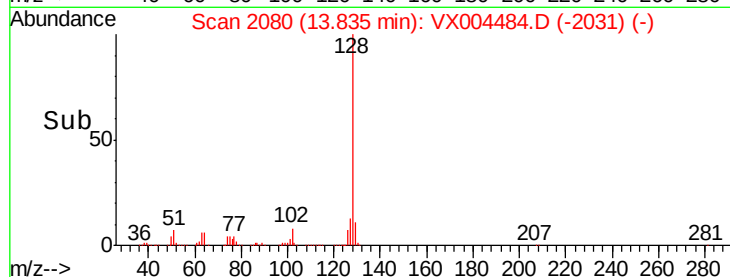
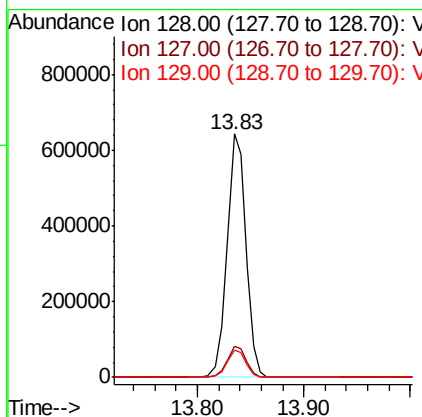
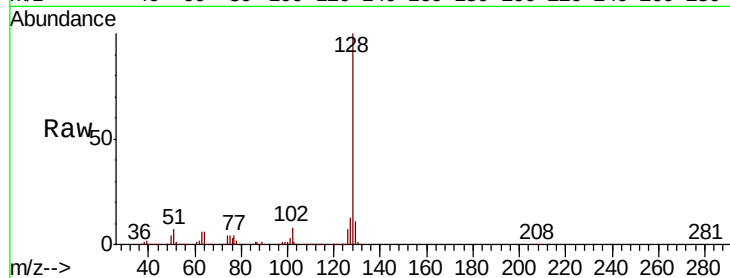
#95
Naphthalene
Concen: 55.47 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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

Manual Integrations
APPROVED

MMDadoda
9/13/2018 10:58:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.11 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX004484.D
Acq: 12 Sep 2018 10:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.5	145.6
145	29.7	14.9	44.9

