

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122418\
 Data File : VX006798.D
 Acq On : 24 Dec 2018 16:38
 Operator : JC/MD
 Sample : VX1224MBSD01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 9:57:46 AM

Quant Time: Dec 25 03:49:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	668847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	982761	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	891871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	466234	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	345947	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	5.51	113	300827	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	8.71	98	1164388	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	421725	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	112085	18.318	ug/l	99
3) Chloromethane	1.33	50	132743	20.137	ug/l	95
4) Vinyl Chloride	1.41	62	150720	21.892	ug/l	100
5) Bromomethane	1.64	94	121188	17.621	ug/l	95
6) Chloroethane	1.72	64	103085	21.624	ug/l	98
7) Trichlorofluoromethane	1.93	101	241507	22.499	ug/l	97
8) Diethyl Ether	2.19	74	93739	21.987	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	131387	20.847	ug/l	100
10) Methyl Iodide	2.51	142	189013	20.951	ug/l	98
11) Tert butyl alcohol	3.07	59	171783	106.780	ug/l	99
12) 1,1-Dichloroethene	2.38	96	121335	20.304	ug/l	99
13) Acrolein	2.30	56	112634	103.784	ug/l	100
14) Allyl chloride	2.73	41	211285	21.005	ug/l	97
15) Acrylonitrile	3.15	53	389067	108.924	ug/l	99
16) Acetone	2.45	43	347955	105.064	ug/l	95
17) Carbon Disulfide	2.57	76	240667	15.218	ug/l	99
18) Methyl Acetate	2.78	43	233739	24.002	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	439605	22.164	ug/l	99
20) Methylene Chloride	2.86	84	140680	20.542	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	124867	18.858	ug/l	94
22) Diisopropyl ether	3.87	45	383487	20.839	ug/l	94
23) Vinyl Acetate	3.82	43	1487892	98.847	ug/l	98
24) 1,1-Dichloroethane	3.70	63	205043	18.665	ug/l	99
25) 2-Butanone	4.70	43	456910	98.081	ug/l	99
26) 2,2-Dichloropropane	4.58	77	137111	16.158	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	138974	19.023	ug/l	99
28) Bromochloromethane	5.02	49	100579	20.631	ug/l	96
29) Tetrahydrofuran	5.15	42	311159	101.413	ug/l	97
30) Chloroform	5.21	83	213637	18.780	ug/l	99
31) Cyclohexane	5.58	56	184700	18.507	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	172598	17.968	ug/l	98
36) 1,1-Dichloropropene	5.80	75	155486	19.103	ug/l	100
37) Ethyl Acetate	4.85	43	177241	20.921	ug/l	99
38) Carbon Tetrachloride	5.78	117	144186	18.228	ug/l	95

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Quant Time: Dec 25 03:49:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	199554	18.622	ug/l	97
40) Benzene	6.14	78	488501	19.744	ug/l	97
41) Methacrylonitrile	5.06	41	101497	22.566	ug/l	97
42) 1,2-Dichloroethane	6.20	62	166186	19.712	ug/l	99
43) Isopropyl Acetate	6.46	43	277426	21.522	ug/l	96
44) Trichloroethene	7.21	130	145095	19.376	ug/l	88
45) 1,2-Dichloropropane	7.51	63	119842	19.905	ug/l	97
46) Dibromomethane	7.66	93	84667	19.118	ug/l	97
47) Bromodichloromethane	7.90	83	130656	17.770	ug/l	97
48) Methyl methacrylate	7.77	41	143177	21.842	ug/l	96
49) 1,4-Dioxane	7.75	88	57038	319.029	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	912036	111.202	ug/l	98
52) Toluene	8.78	92	412024	25.777	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	143992	18.260	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	163664	18.915	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	132100	20.191	ug/l	98
56) Ethyl methacrylate	9.18	69	195423	21.134	ug/l	94
57) 1,3-Dichloropropane	9.37	76	210391	19.987	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	515251	104.823	ug/l	99
59) 2-Hexanone	9.49	43	683074	108.853	ug/l	98
60) Dibromochloromethane	9.59	129	107653	17.325	ug/l	99
61) 1,2-Dibromoethane	9.67	107	139233	20.019	ug/l	99
64) Tetrachloroethene	9.34	164	142600	20.192	ug/l	93
65) Chlorobenzene	10.14	112	368700	19.541	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	116876	19.854	ug/l	100
67) Ethyl Benzene	10.25	91	644250	20.895	ug/l	98
68) m/p-Xylenes	10.36	106	572243	47.035	ug/l	100
69) o-Xylene	10.70	106	252665	21.031	ug/l	96
70) Styrene	10.71	104	388523	20.441	ug/l	99
71) Bromoform	10.86	173	77002	17.668	ug/l #	99
73) Isopropylbenzene	11.02	105	636783	19.964	ug/l	99
74) N-amyl acetate	10.90	43	256921	22.504	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	198685	20.945	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	179486m	20.715	ug/l	
77) Bromobenzene	11.26	156	171812	19.924	ug/l	99
78) n-propylbenzene	11.36	91	709166	20.190	ug/l	99
79) 2-Chlorotoluene	11.42	91	417334	19.607	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	532411	20.266	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	36736	16.043	ug/l #	73
82) 4-Chlorotoluene	11.51	91	481681	19.728	ug/l	100
83) tert-Butylbenzene	11.77	119	529197	20.126	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	553423	20.027	ug/l	99
85) sec-Butylbenzene	11.94	105	640855	19.879	ug/l	99
86) p-Isopropyltoluene	12.06	119	574194	20.262	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	307558	19.790	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	310524	19.491	ug/l	99
89) n-Butylbenzene	12.38	91	482581	20.010	ug/l	99
90) Hexachloroethane	12.60	117	67712	17.555	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	311464	20.034	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34635	17.646	ug/l #	73

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Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

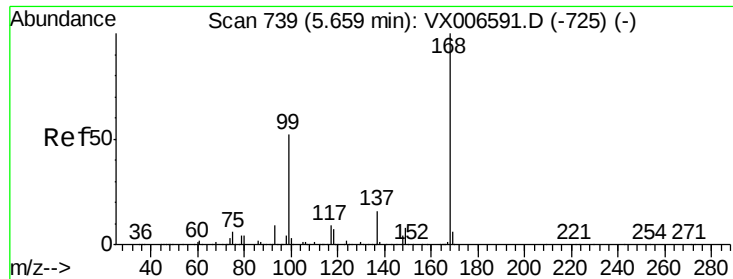
Manual Integrations
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12/26/2018 9:57:46 AM

Quant Time: Dec 25 03:49:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	222829	20.779	ug/l	98
94) Hexachlorobutadiene	13.78	225	96731	19.137	ug/l	99
95) Naphthalene	13.83	128	696097	20.338	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	223515	20.187	ug/l	97

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



#1

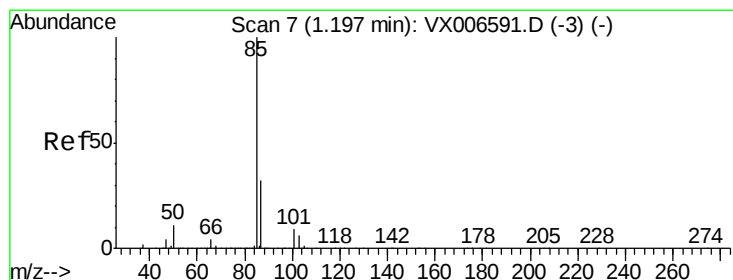
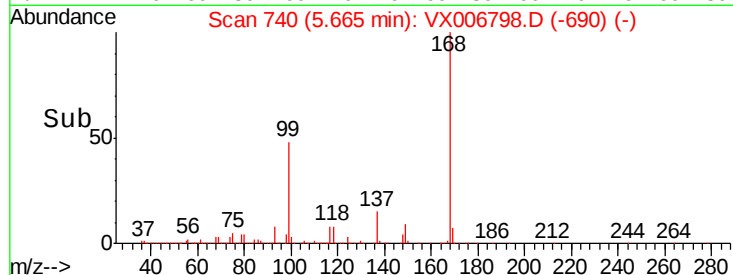
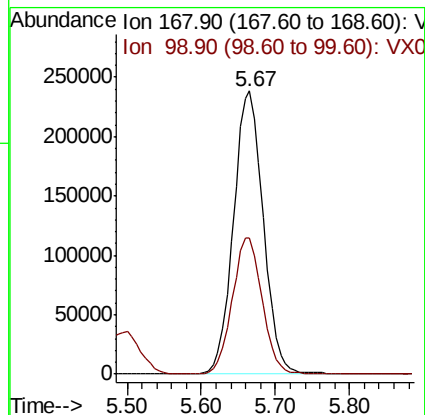
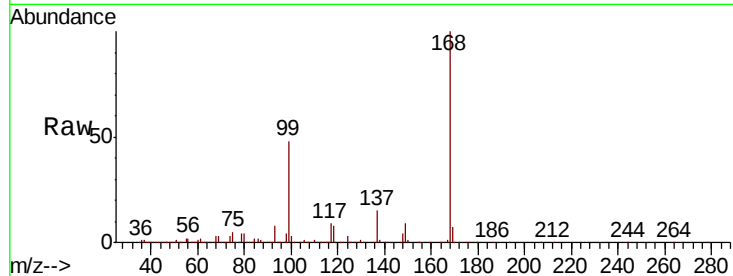
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion:168 Resp: 668847
Ion Ratio Lower Upper
168 100
99 48.0 41.8 62.8

Manual Integrations
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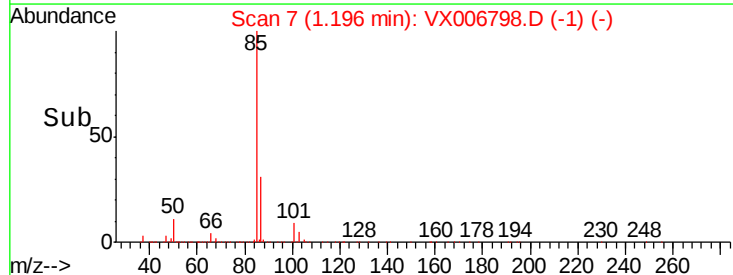
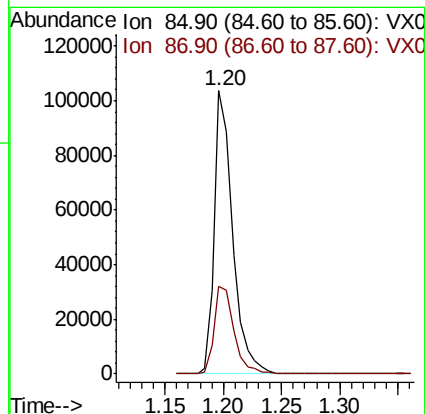
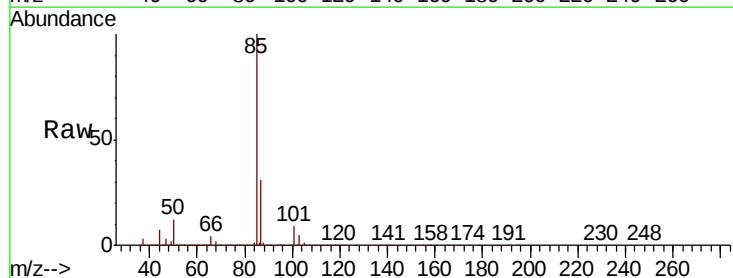
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#2

Dichlorodifluoromethane
Concen: 18.318 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion: 85 Resp: 112085
Ion Ratio Lower Upper
85 100
87 30.9 15.9 47.6





#3

Chloromethane

Concen: 20.137 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion: 50 Resp: 132743

Ion Ratio Lower Upper

50 100

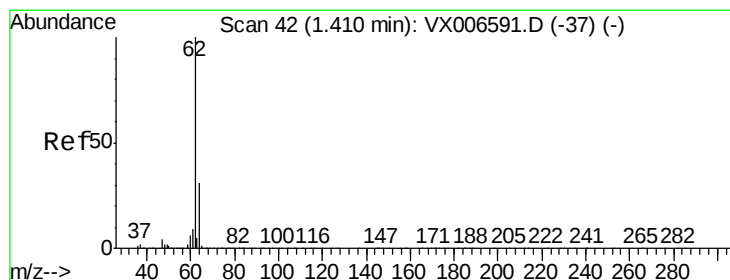
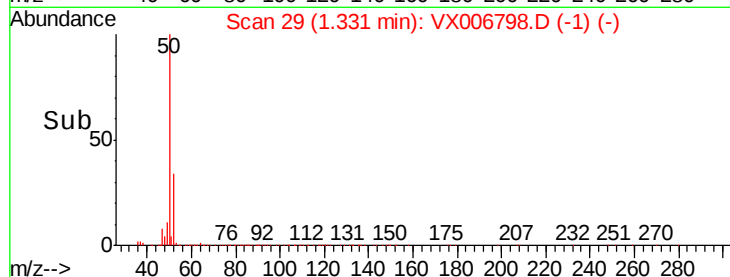
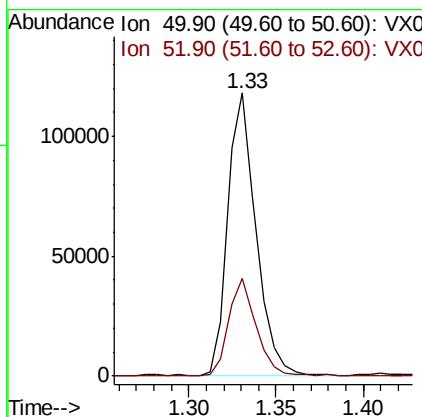
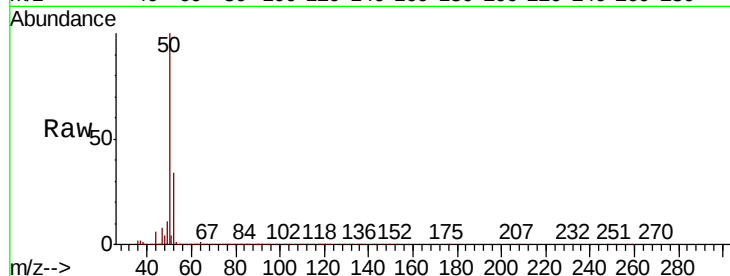
52 34.3 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.892 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006798.D

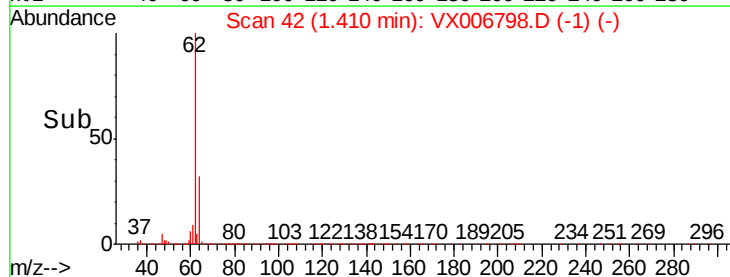
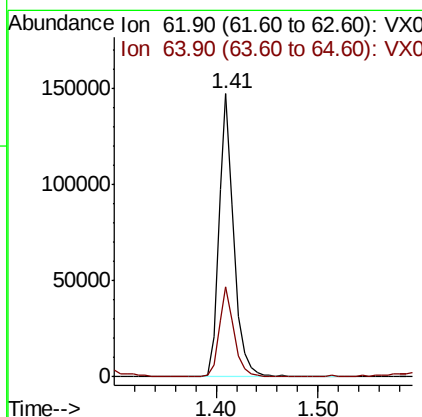
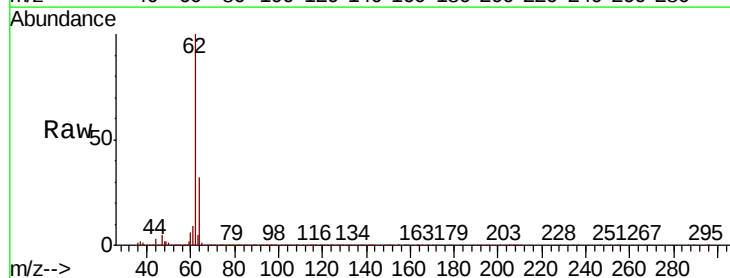
Acq: 24 Dec 2018 16:38

Tgt Ion: 62 Resp: 150720

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





#5

Bromomethane

Concen: 17.621 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion: 94 Resp: 121188

Ion Ratio Lower Upper

94 100

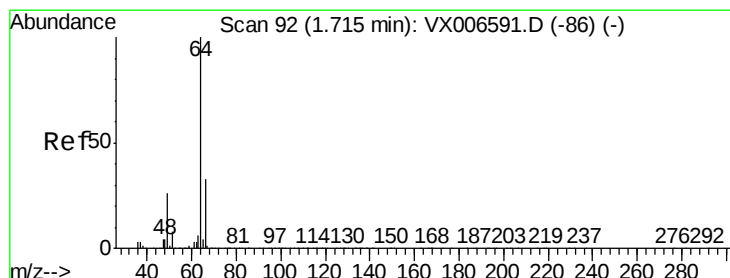
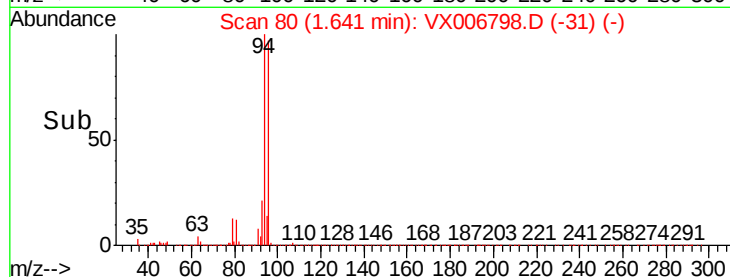
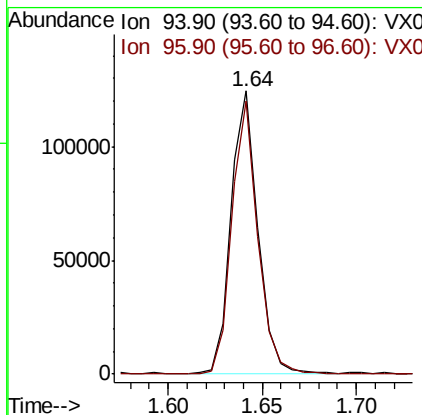
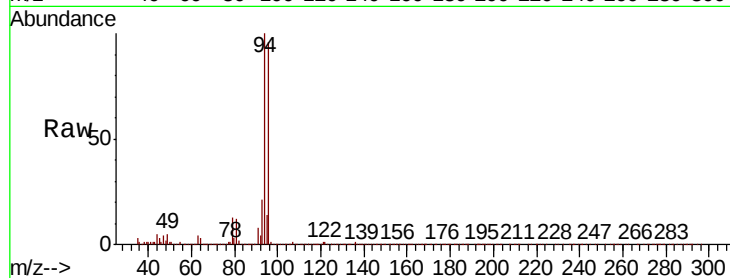
96 96.6 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 21.624 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006798.D

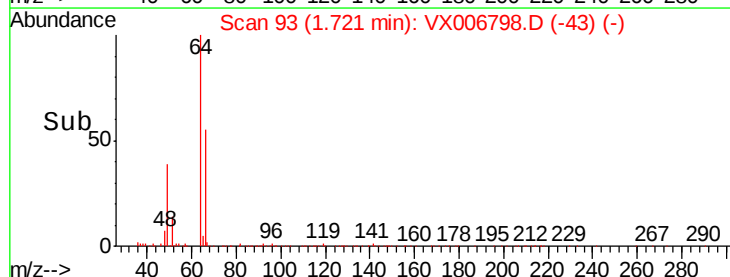
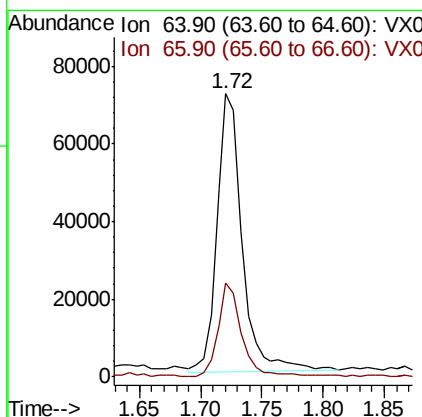
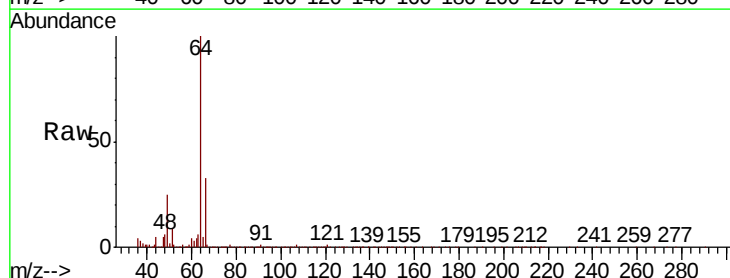
Acq: 24 Dec 2018 16:38

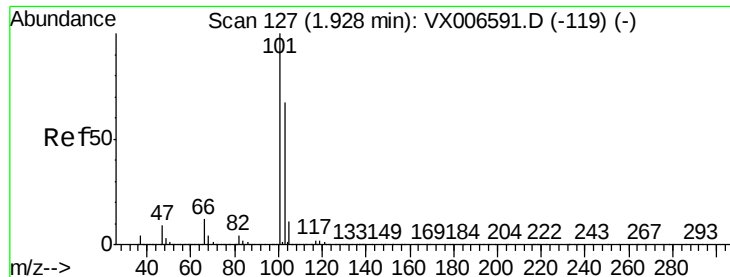
Tgt Ion: 64 Resp: 103085

Ion Ratio Lower Upper

64 100

66 33.9 26.4 39.6





#7

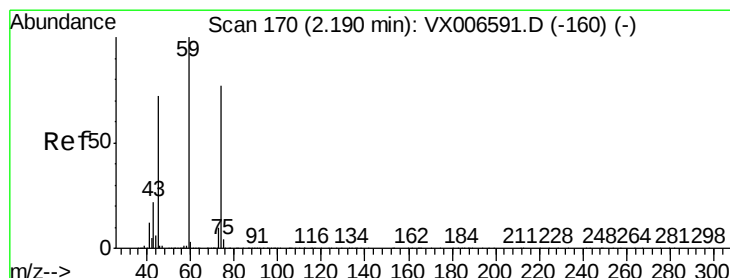
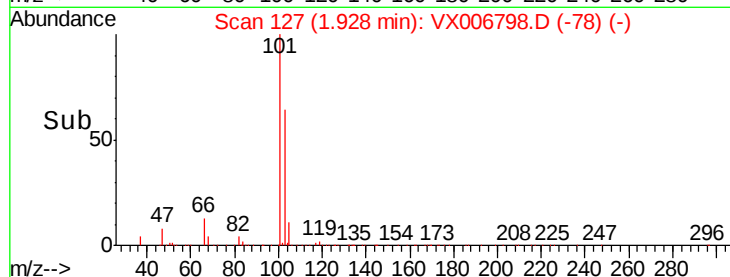
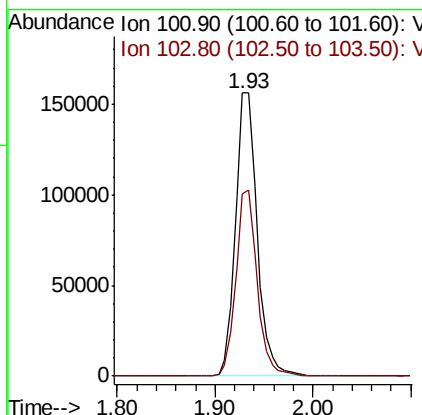
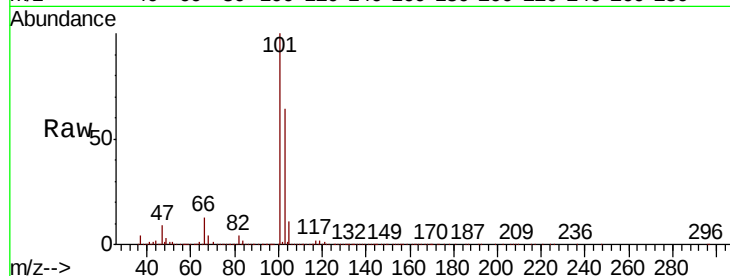
Trichlorofluoromethane
Concen: 22.499 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
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ClientSampleId :
VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.2	79.8

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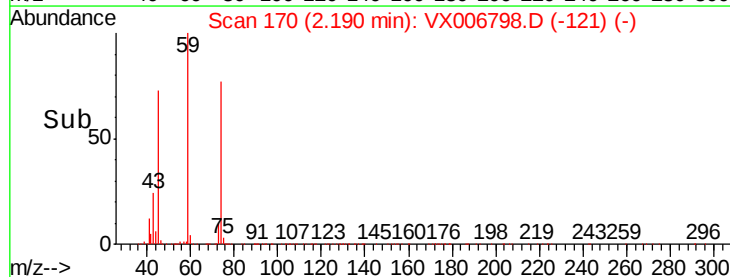
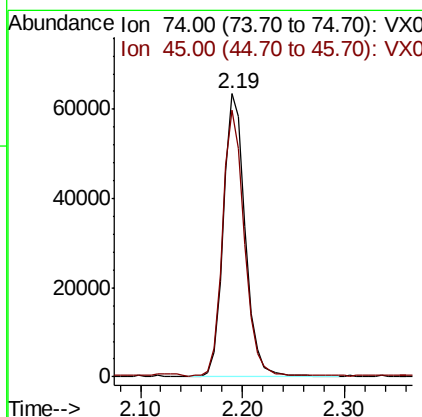
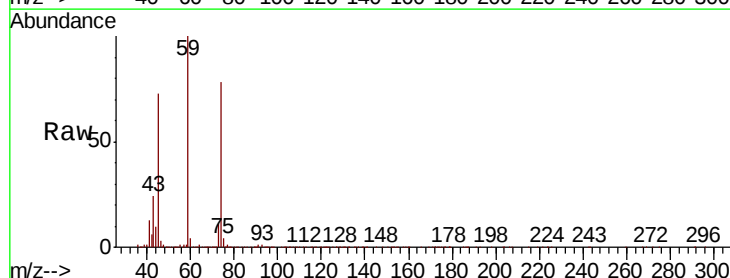
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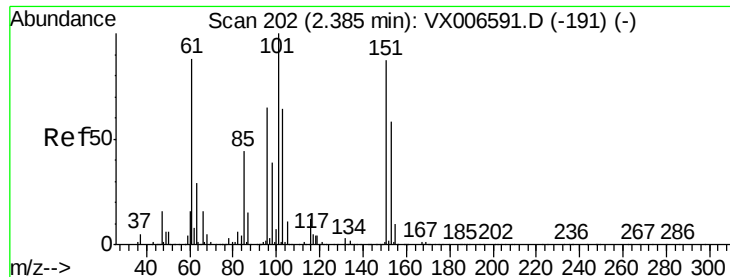


#8

Diethyl Ether
Concen: 21.987 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.9	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.847 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

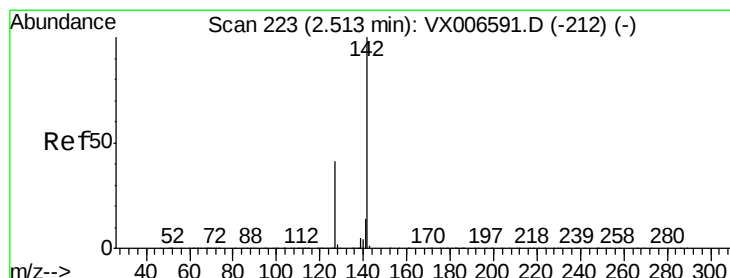
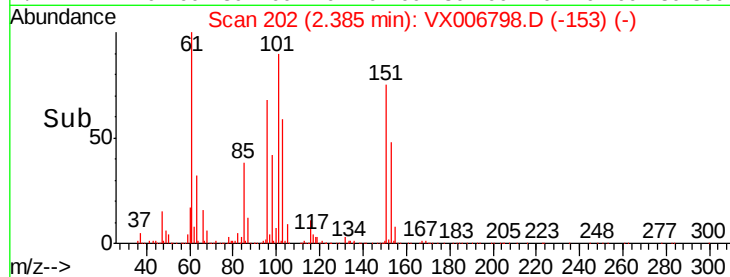
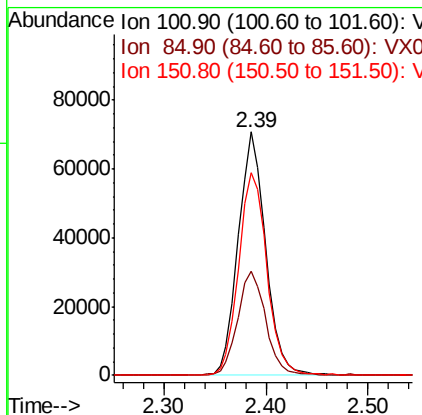
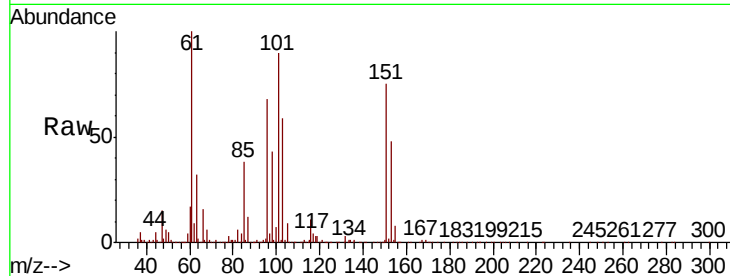
ClientSampleId :

VX1224MBSD01

Tot Ion:	101	Resp:	131387
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.1	52.7
151	86.3	68.9	103.3

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#10

Methyl Iodide

Concen: 20.951 ug/l

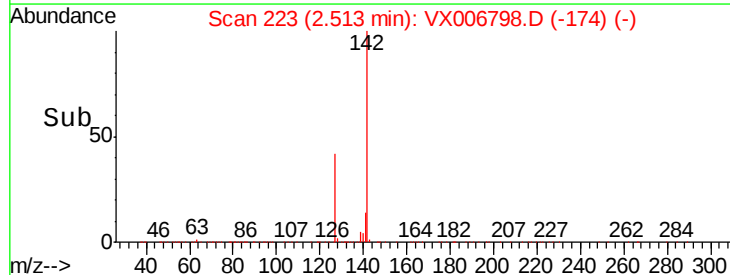
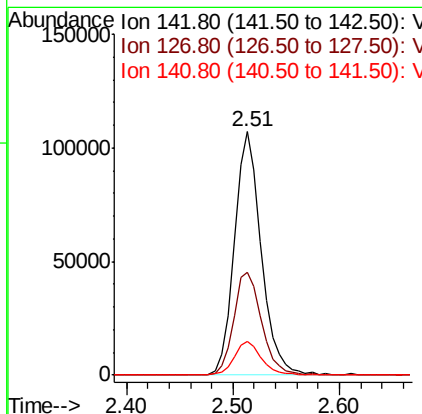
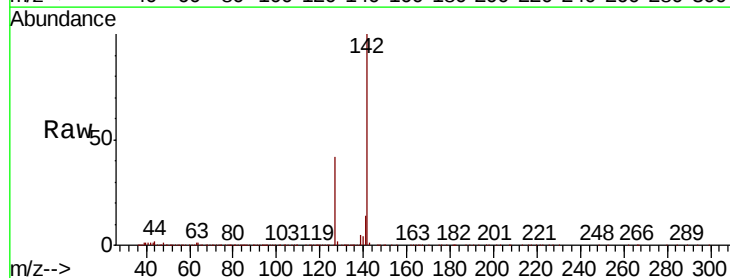
RT: 2.51 min Scan# 223

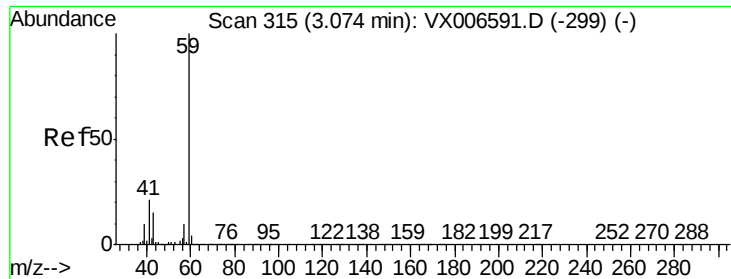
Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Tgt Ion:	142	Resp:	189013
Ion Ratio	Lower	Upper	
142	100		
127	44.2	33.9	50.9
141	14.1	11.4	17.0





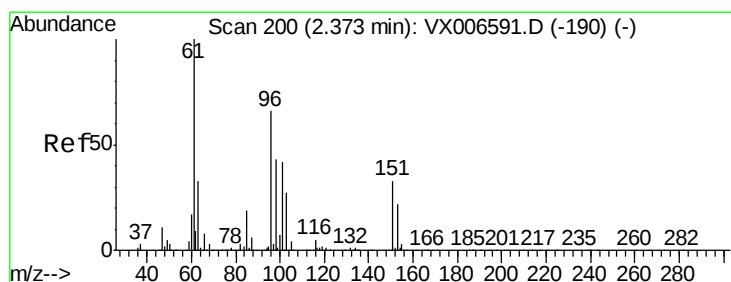
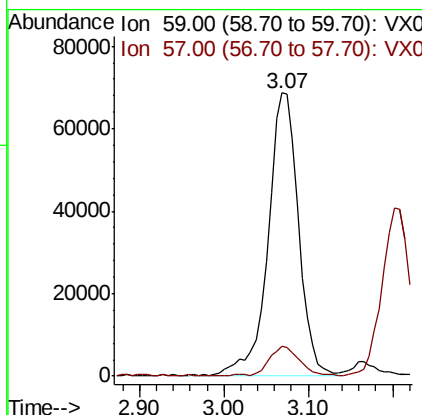
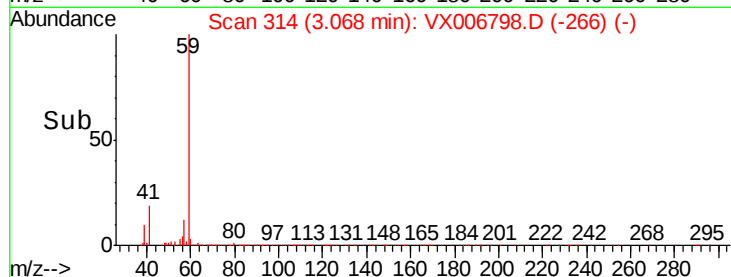
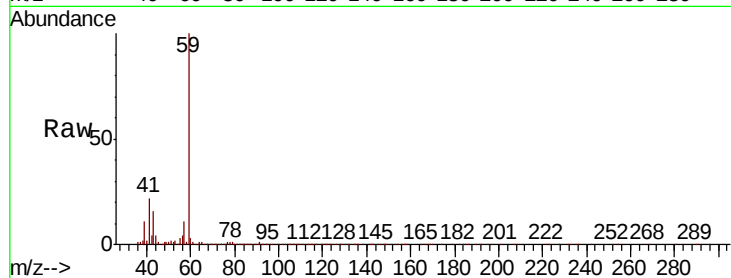
#11
Tert butyl alcohol
Concen: 106.780 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion: 59 Resp: 171783
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

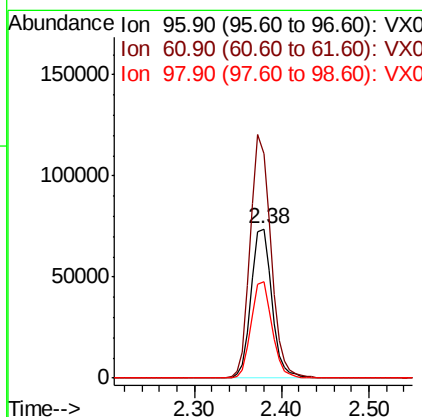
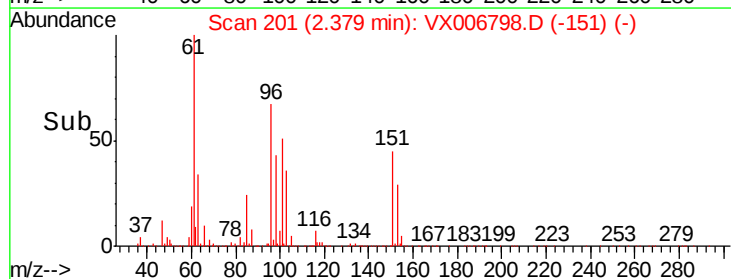
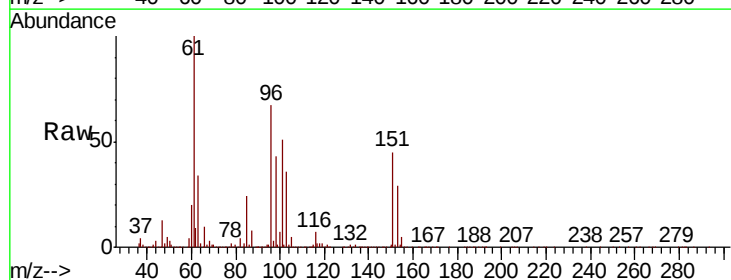
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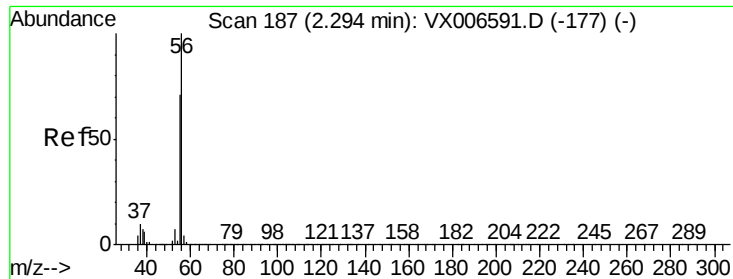
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.304 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion: 96 Resp: 121335
Ion Ratio Lower Upper
96 100
61 149.9 121.4 182.2
98 64.2 51.9 77.9





#13

Acrolein

Concen: 103.784 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion: 56 Resp: 112634

Ion Ratio Lower Upper

56 100

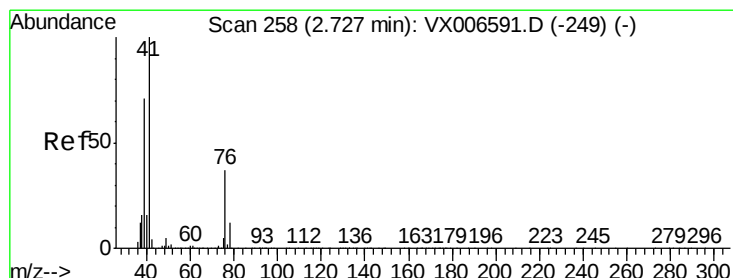
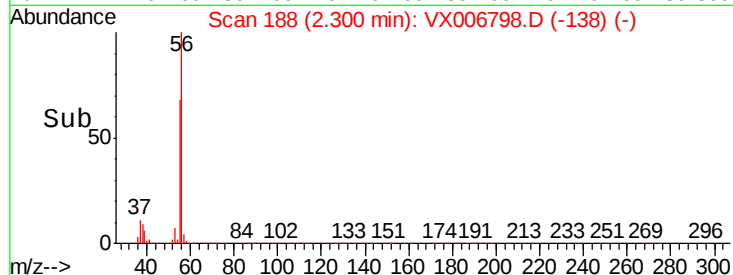
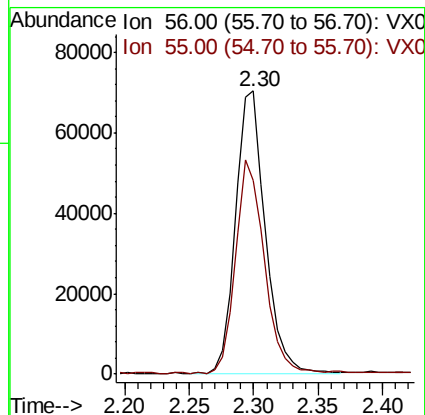
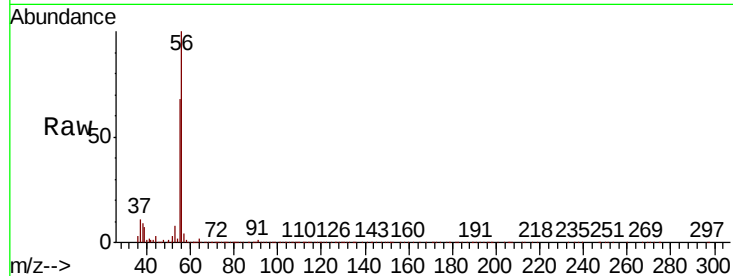
55 72.9 58.2 87.4

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#14

Allyl chloride

Concen: 21.005 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

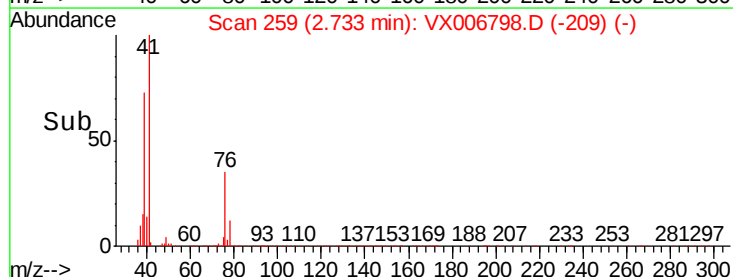
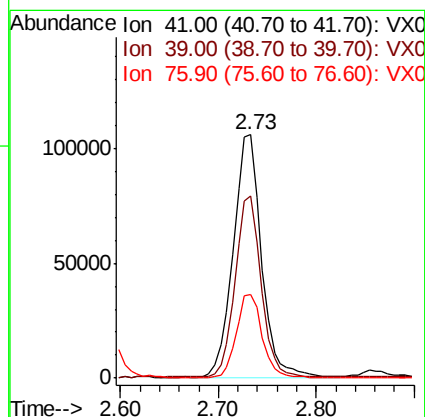
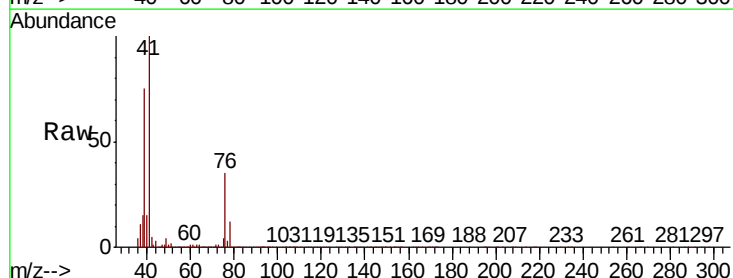
Tgt Ion: 41 Resp: 211285

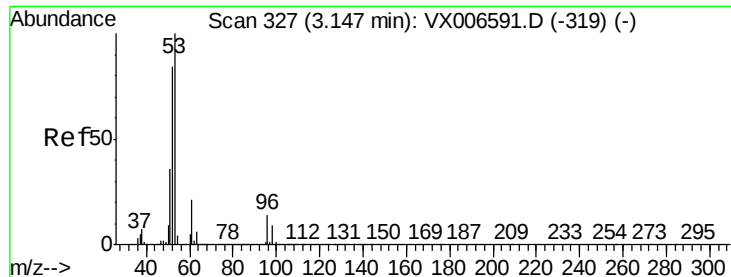
Ion Ratio Lower Upper

41 100

39 68.5 53.6 80.4

76 32.1 27.4 41.2





#15

Acrylonitrile

Concen: 108.924 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

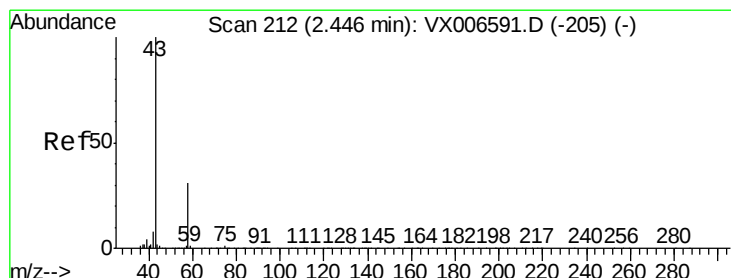
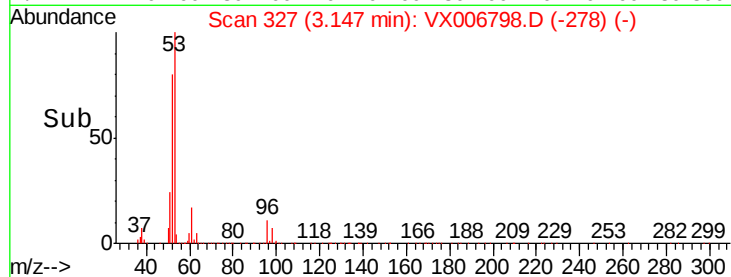
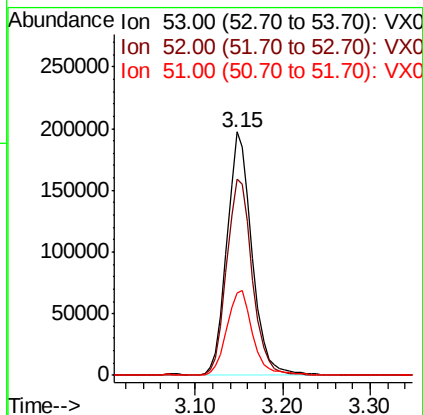
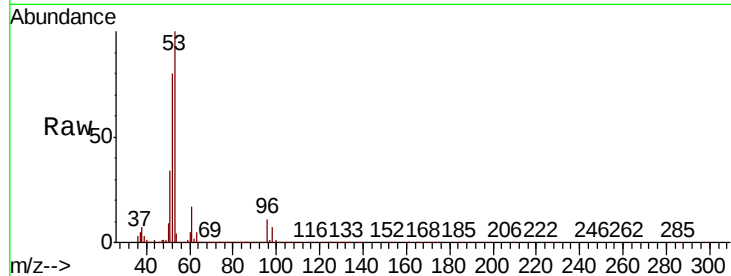
ClientSampleId :

VX1224MBS01

Tot Ion:	53	Resp:	389067
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.0	99.0
51	36.1	28.6	42.8

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#16

Acetone

Concen: 105.064 ug/l

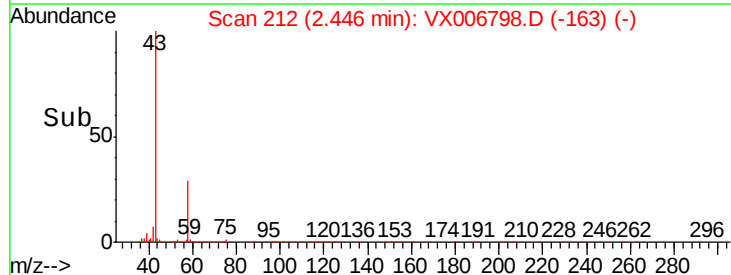
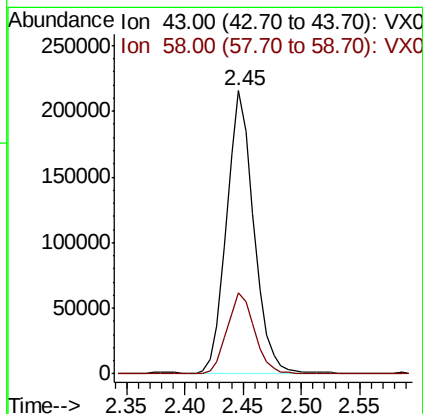
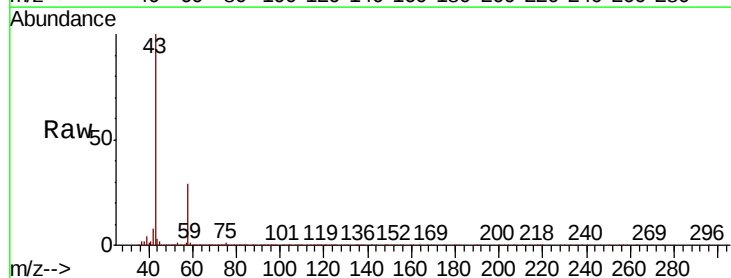
RT: 2.45 min Scan# 212

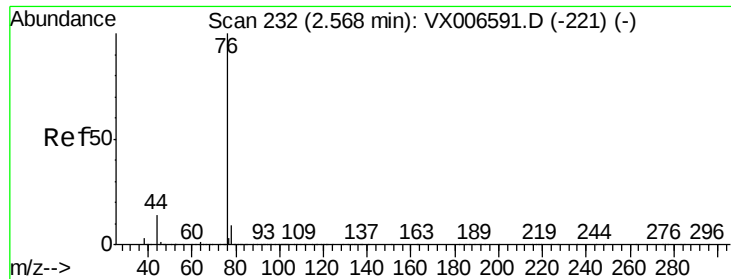
Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Tgt Ion:	43	Resp:	347955
Ion Ratio		Lower	Upper
43	100		
58	28.6	25.0	37.6





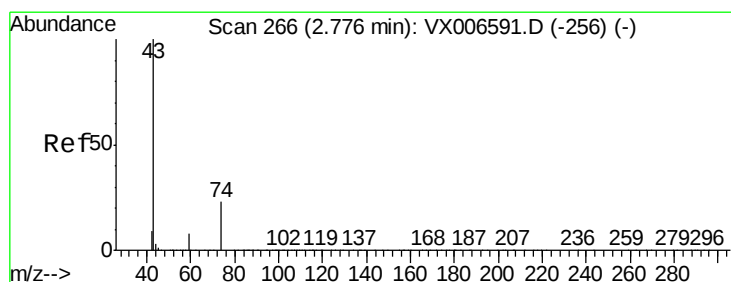
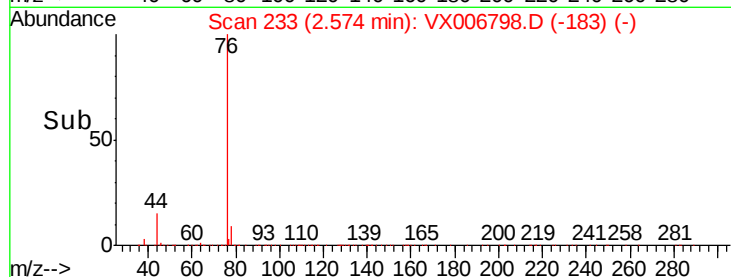
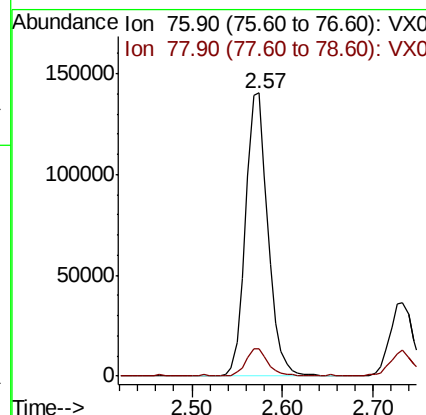
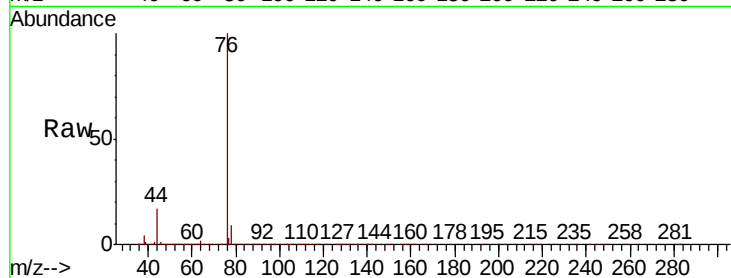
#17
Carbon Disulfide
Concen: 15.218 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

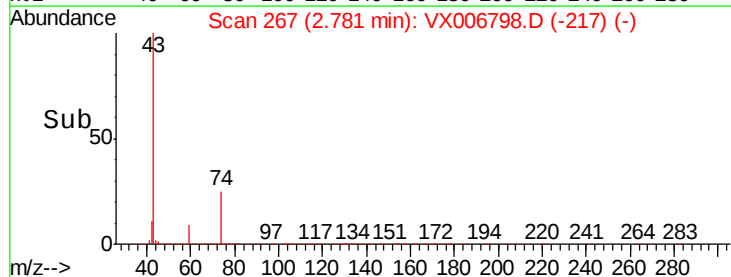
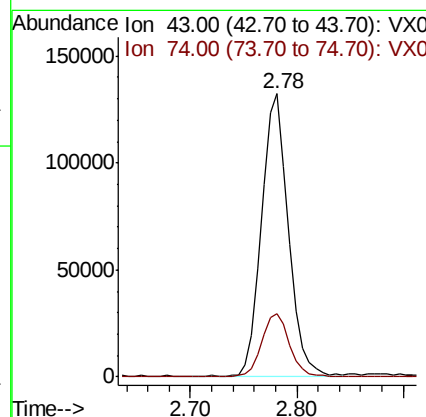
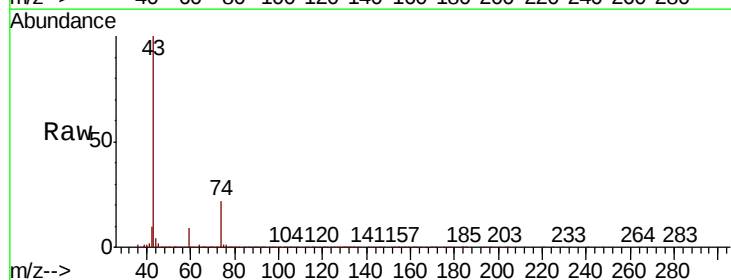
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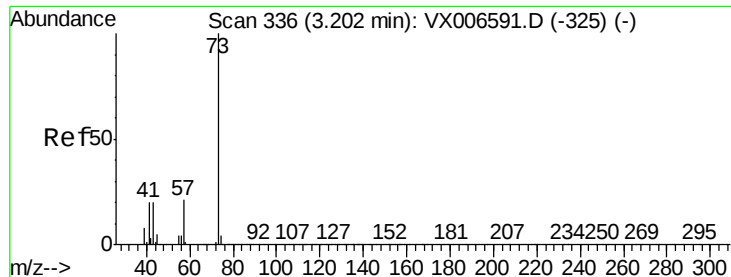
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#18
Methyl Acetate
Concen: 24.002 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	18.6	28.0





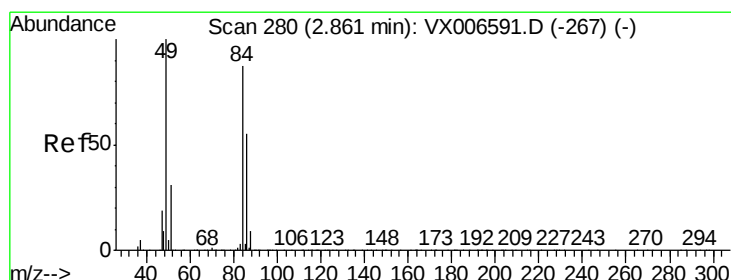
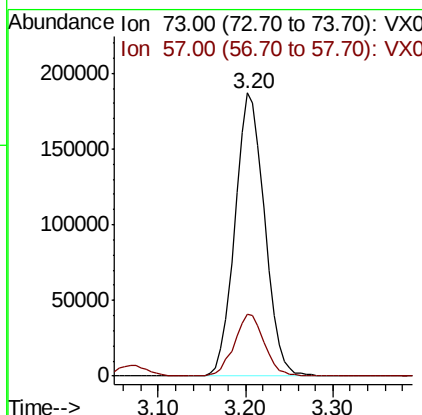
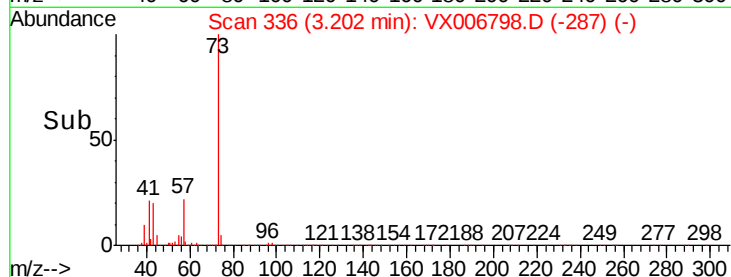
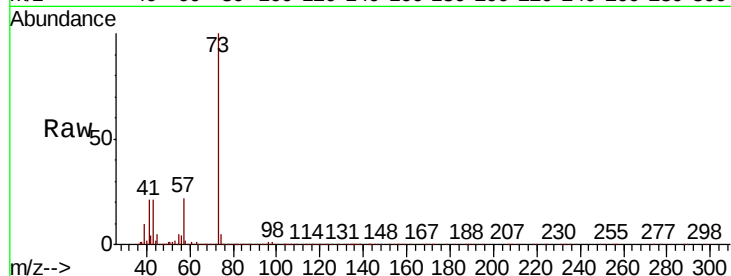
#19
Methvl tert-butvl Ether
Concen: 22.164 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	16.8	25.2

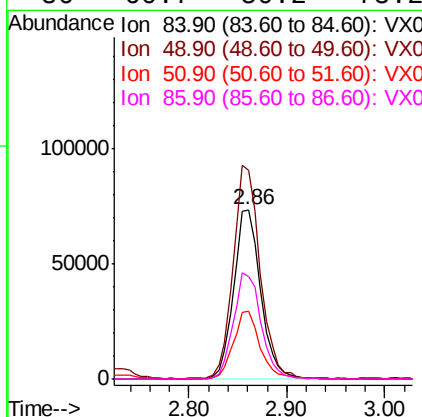
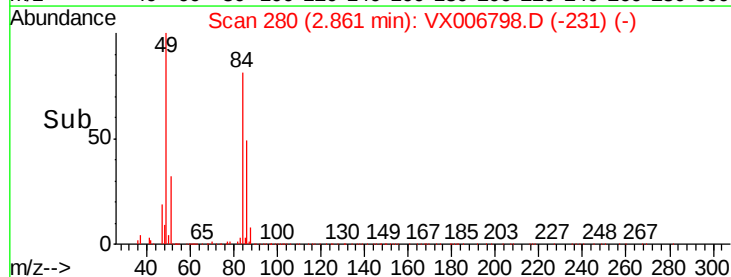
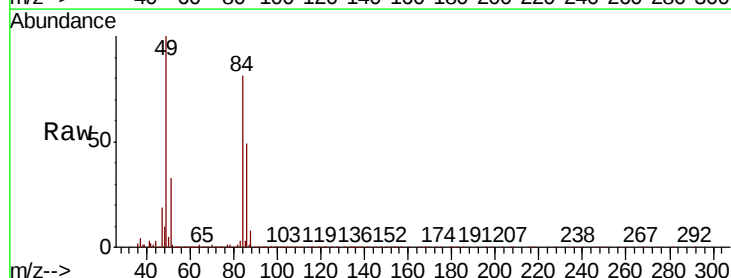
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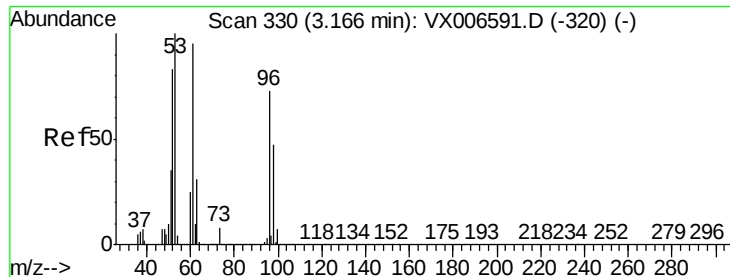
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#20
Methylene Chloride
Concen: 20.542 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	91.8	137.6
51	39.9	28.5	42.7
86	60.7	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 18.858 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

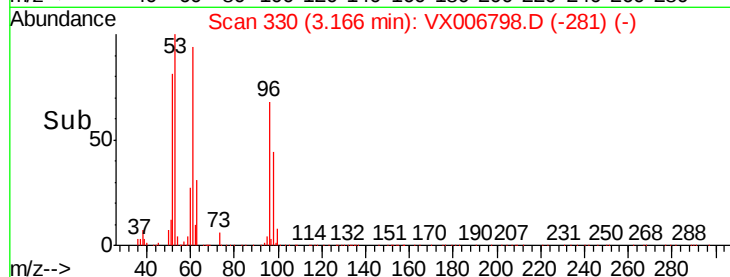
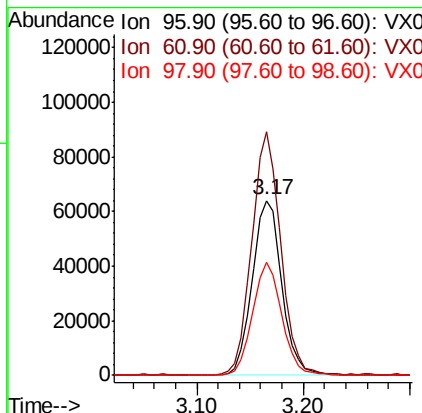
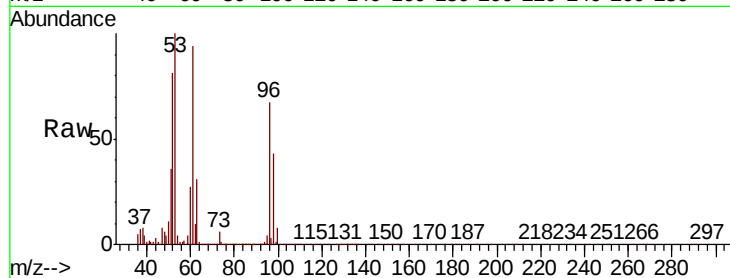
ClientSampleId :

VX1224MBS01

Tot Ion:	96	Resp:	124867
Ion	Ratio	Lower	Upper
96	100		
61	139.1	103.7	155.5
98	64.3	51.0	76.6

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#22

Diisopropyl ether

Concen: 20.839 ug/l

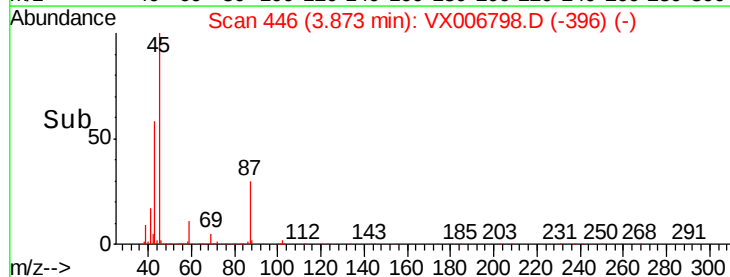
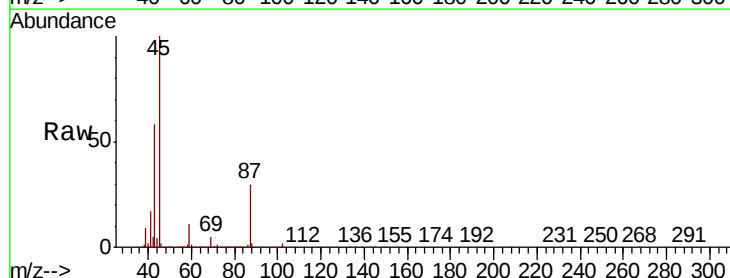
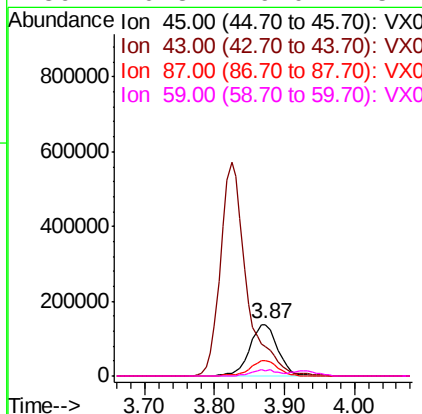
RT: 3.87 min Scan# 446

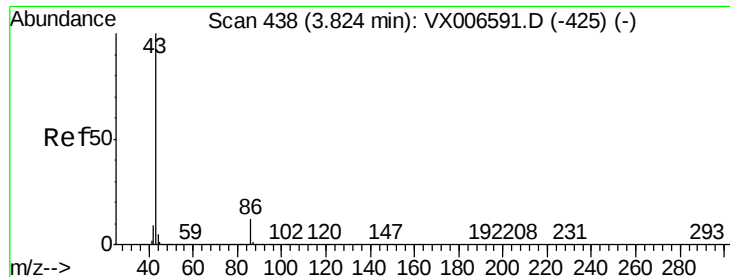
Delta R.T. 0.01 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Tgt Ion:	45	Resp:	383487
Ion	Ratio	Lower	Upper
45	100		
43	57.7	51.2	76.8
87	29.6	25.8	38.6
59	10.8	9.0	13.4





#23

Vinyl Acetate

Concen: 98.847 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion: 43 Resp: 1487892

Ion Ratio Lower Upper

43 100

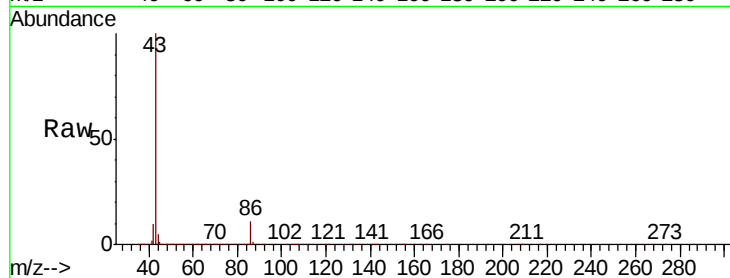
86 10.9 9.2 13.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

600000

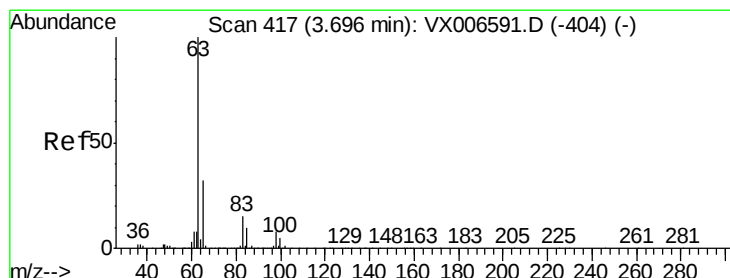
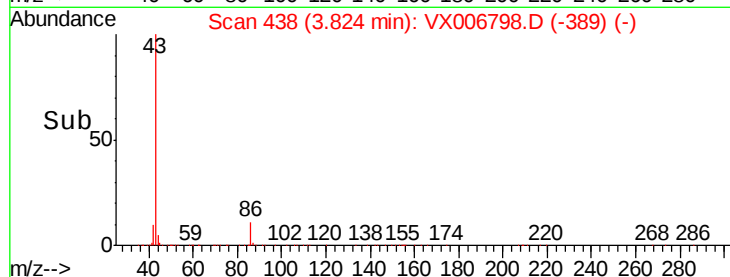
400000

200000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.665 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

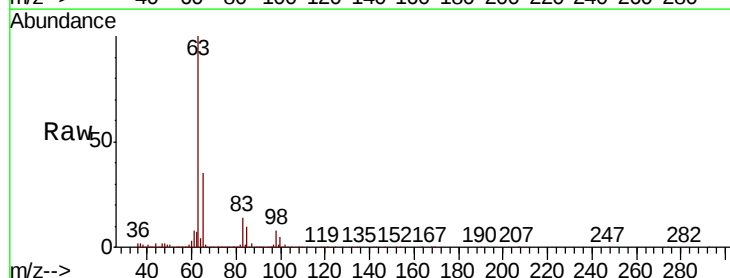
Tgt Ion: 63 Resp: 205043

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 5.0 2.4 7.2



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

120000

100000

80000

60000

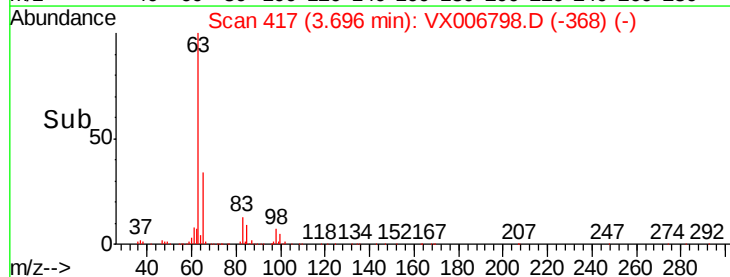
40000

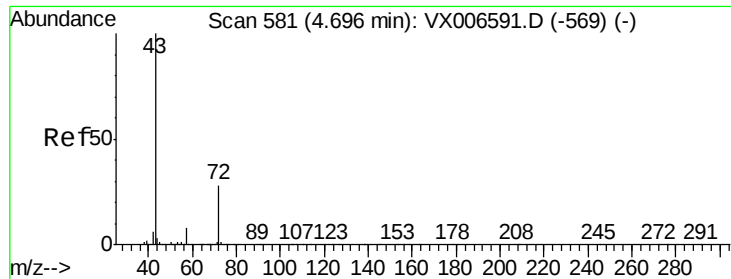
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 98.081 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion: 43 Resp: 456910

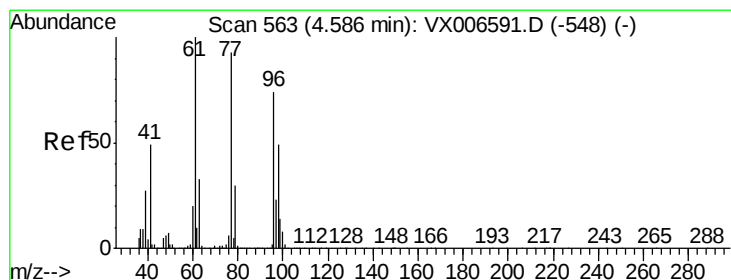
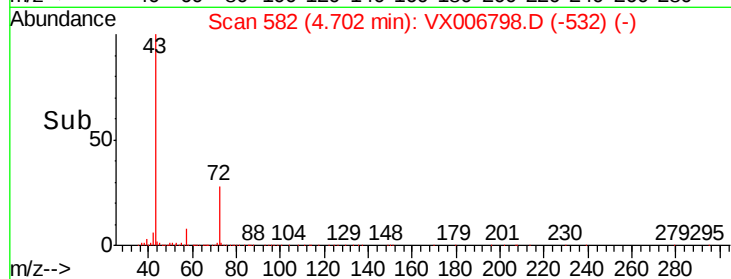
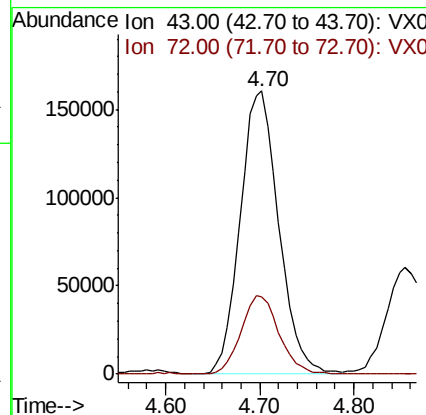
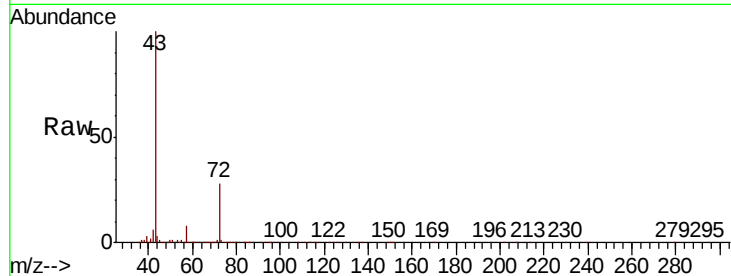
Ion Ratio Lower Upper

43 100

72 27.4 22.4 33.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 16.158 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX006798.D

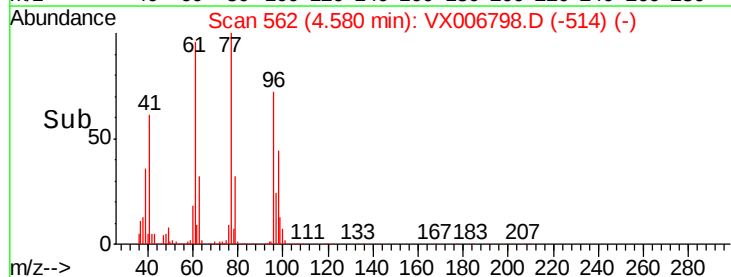
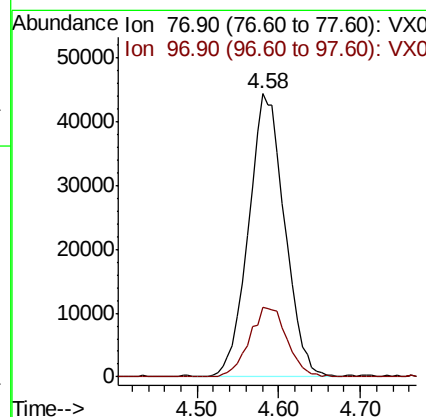
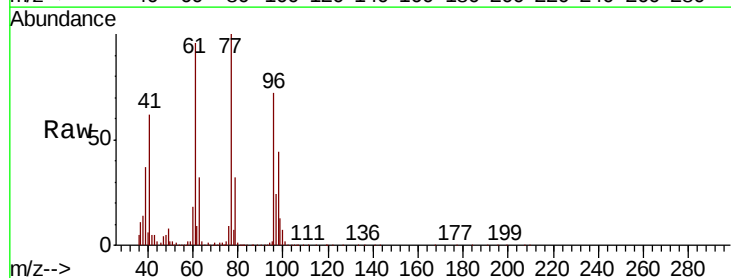
Acq: 24 Dec 2018 16:38

Tgt Ion: 77 Resp: 137111

Ion Ratio Lower Upper

77 100

97 25.5 12.4 37.4





#27

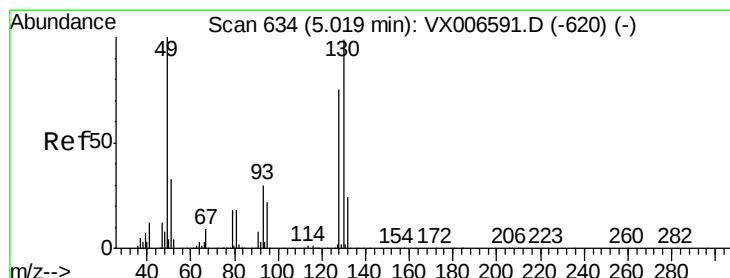
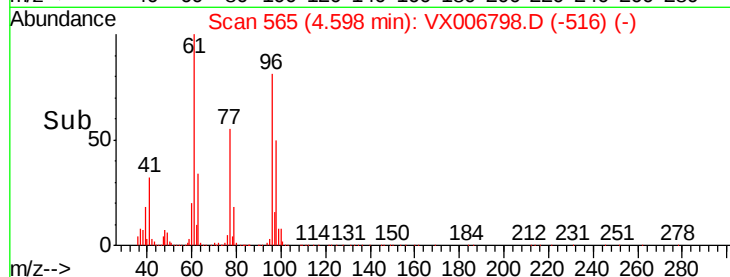
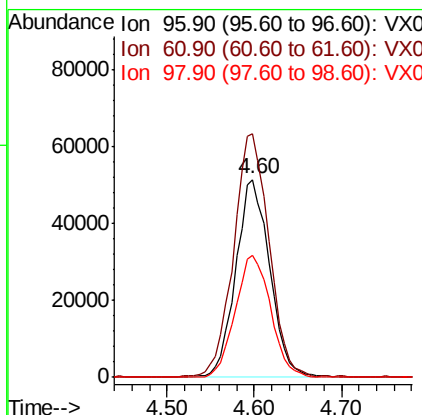
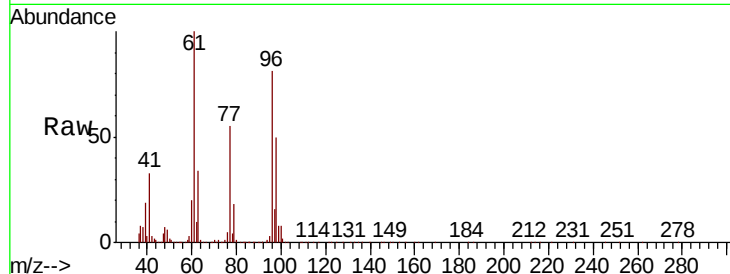
cis-1,2-Dichloroethene
Concen: 19.023 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.2	0.0	258.6
98	64.5	0.0	132.0

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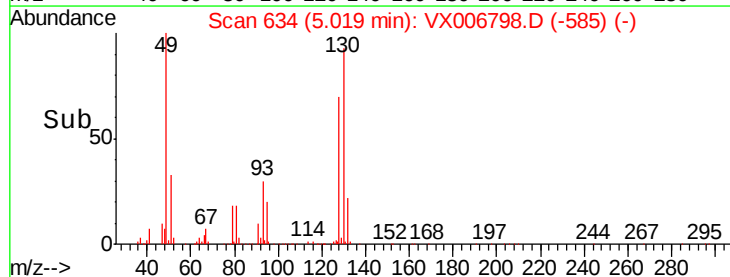
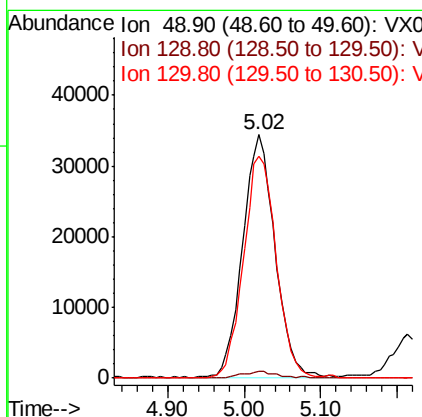
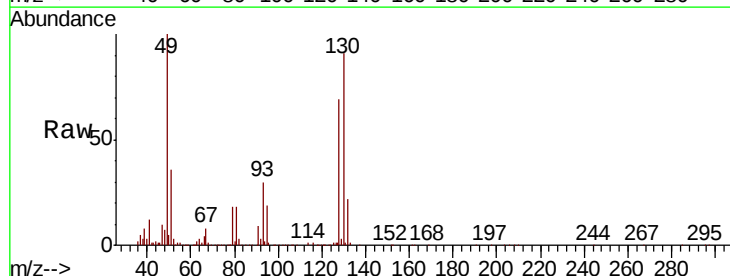
MMDadoda
12/26/2018 9:57:46 AM

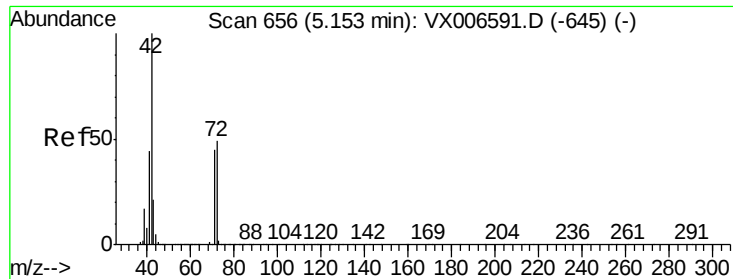


#28

Bromochloromethane
Concen: 20.631 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.4
130	92.9	77.7	116.5





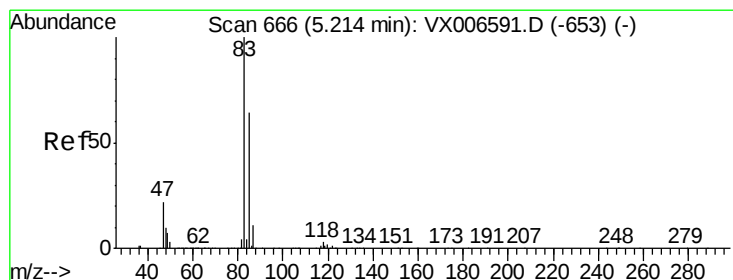
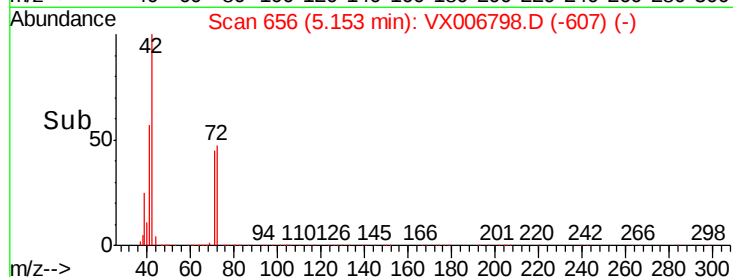
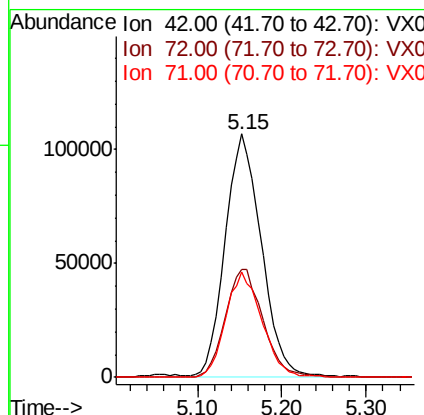
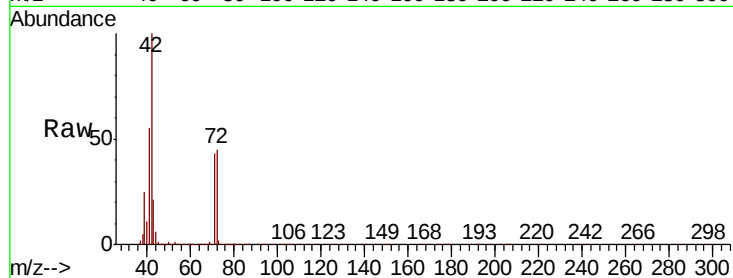
#29
Tetrahydrofuran
Concen: 101.413 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	38.9	58.3
71	43.2	36.2	54.4

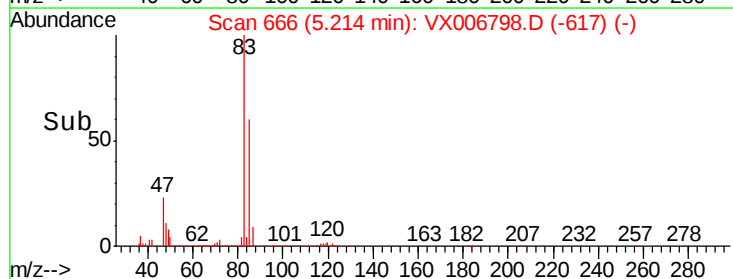
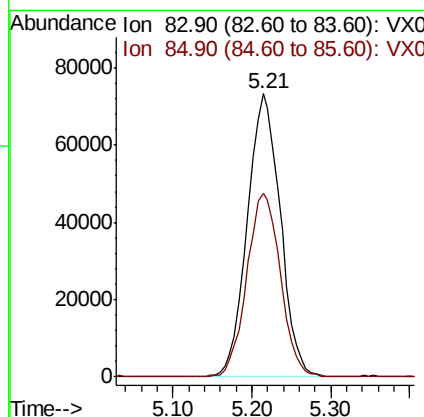
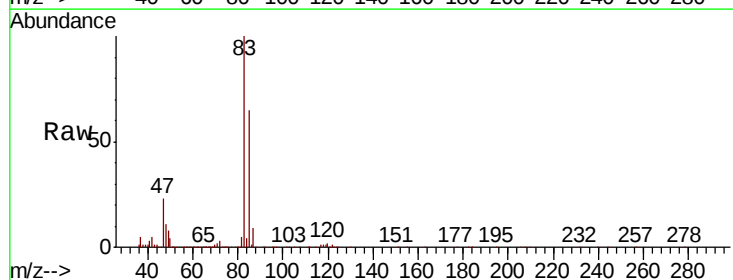
Manual Integrations
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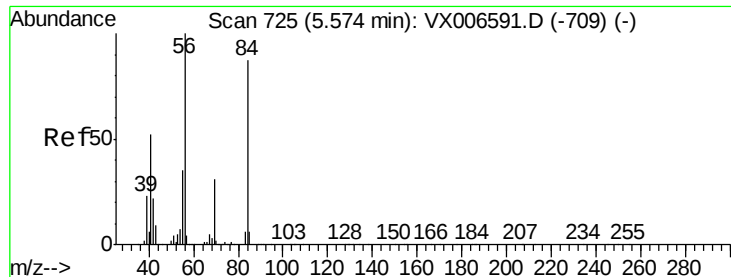
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#30
Chloroform
Concen: 18.780 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.2	76.8





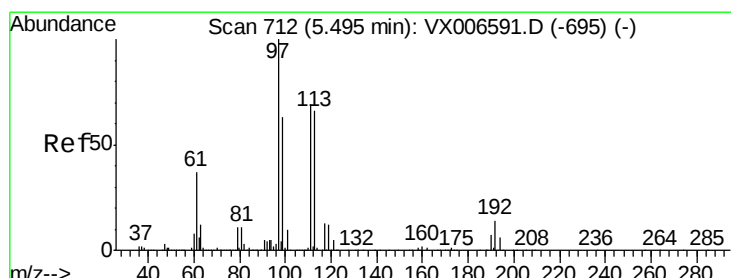
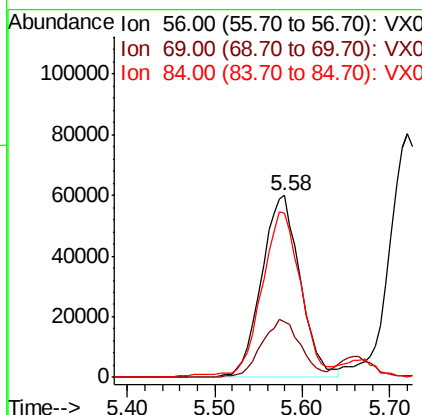
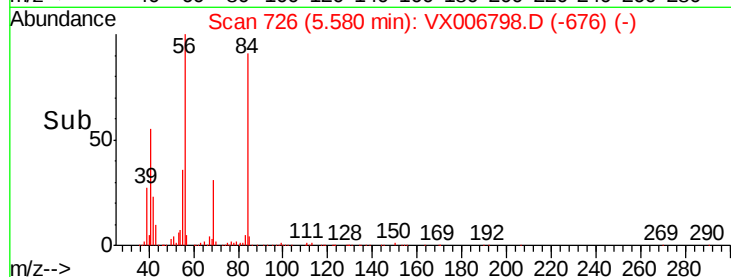
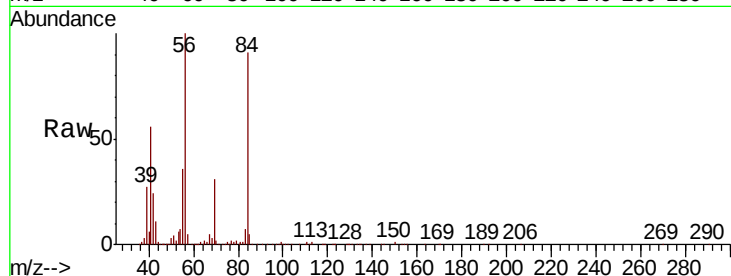
#31
Cyclohexane
Concen: 18.507 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	89.7	70.0	105.0

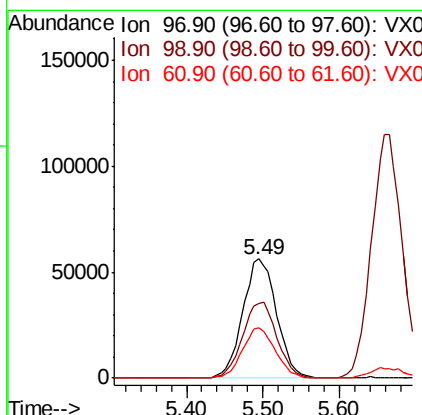
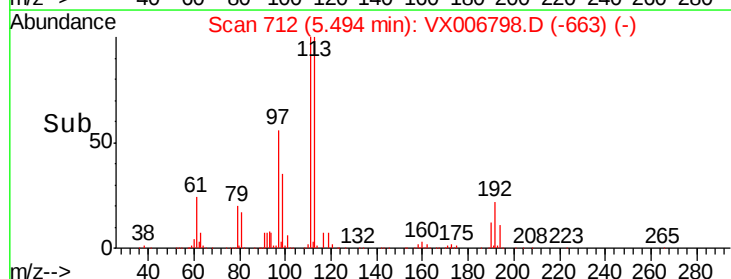
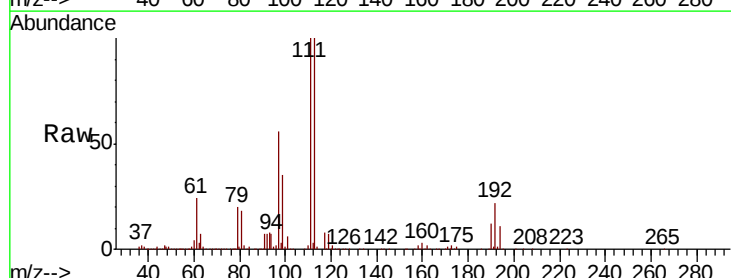
Manual Integrations
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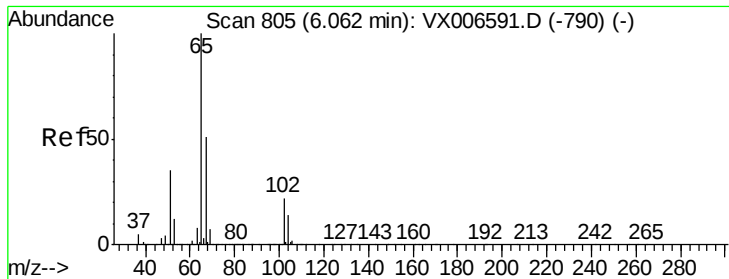
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#32
1,1,1-Trichloroethane
Concen: 17.968 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	41.2	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 47.991 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 65 Resp: 345947

Ion Ratio Lower Upper

65 100

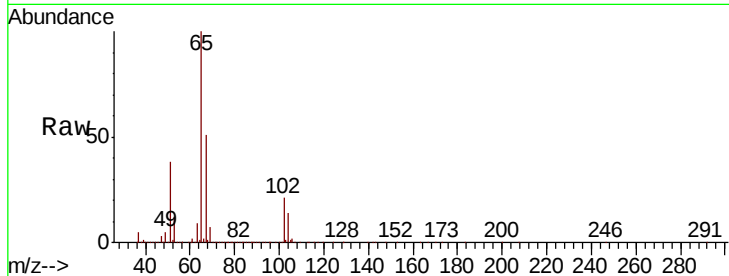
67 53.9 0.0 105.0

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

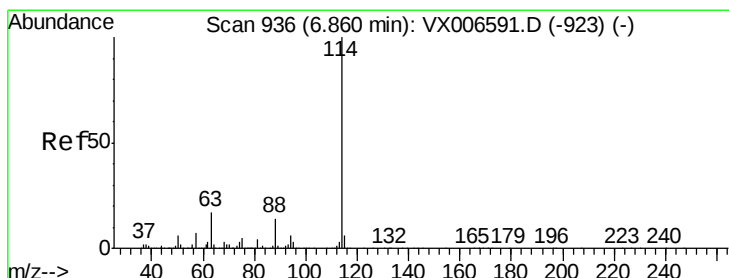
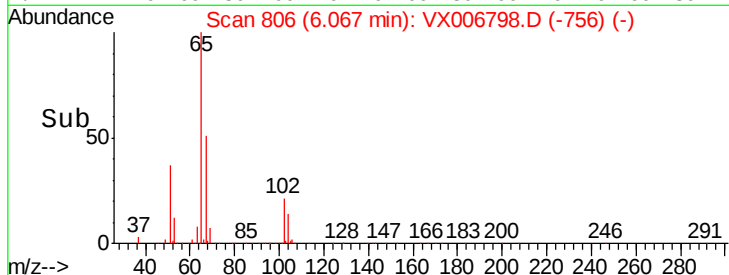
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

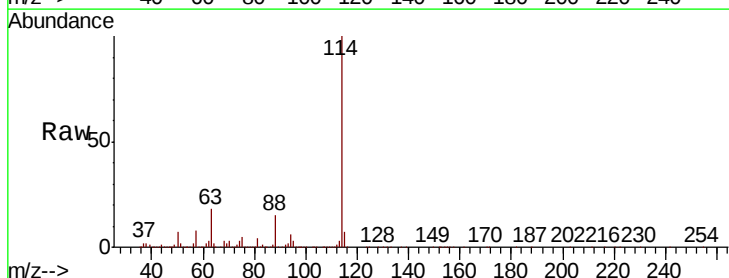
Tgt Ion: 114 Resp: 982761

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

88 14.5 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

500000

400000

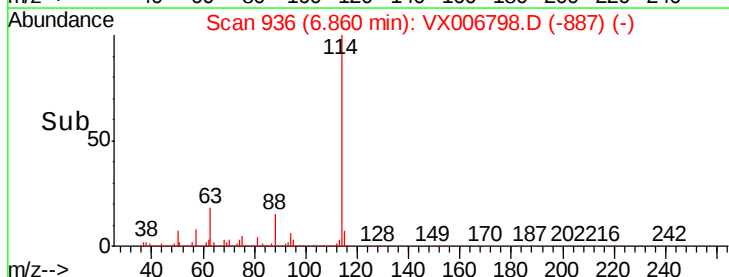
300000

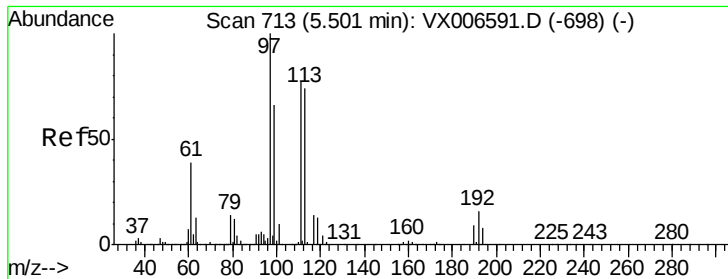
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.405 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

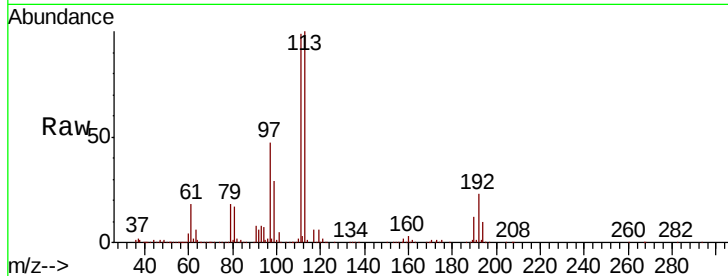
ClientSampleId :

VX1224MBS01

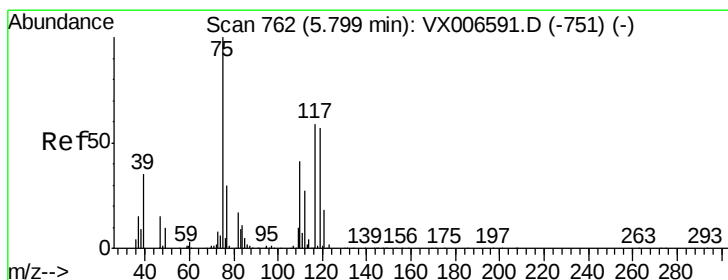
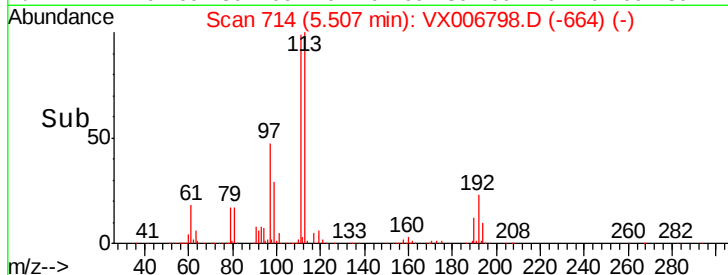
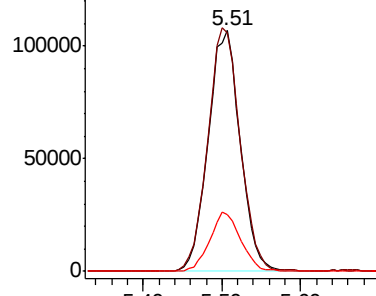
Tot Ion:	113	Resp:	300827
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.6	122.4
192	23.7	16.7	25.1

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.103 ug/l

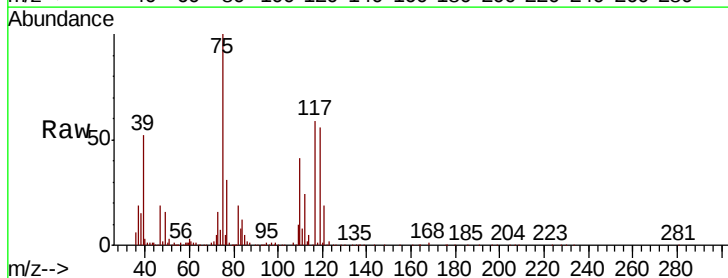
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

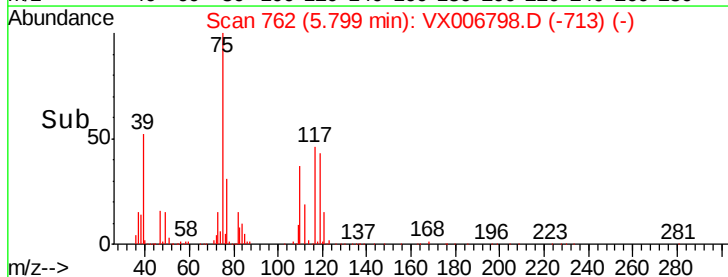
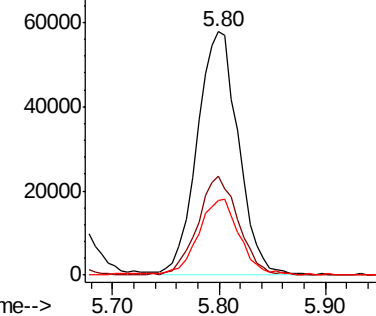
Lab File: VX006798.D

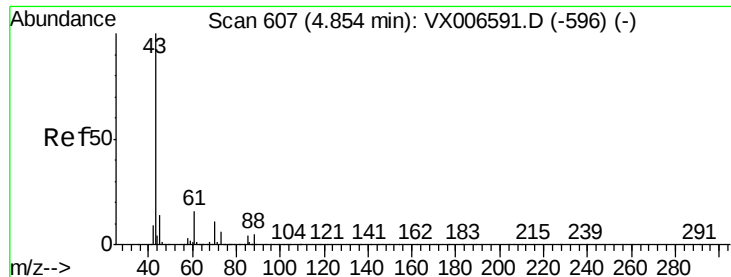
Acq: 24 Dec 2018 16:38

Tgt Ion:	75	Resp:	155486
Ion Ratio	Lower	Upper	
75	100		
110	40.3	20.2	60.5
77	30.8	24.8	37.2



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





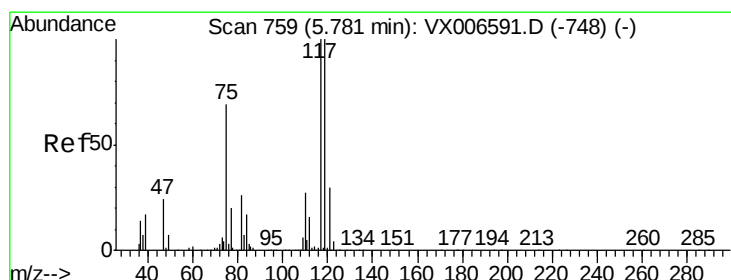
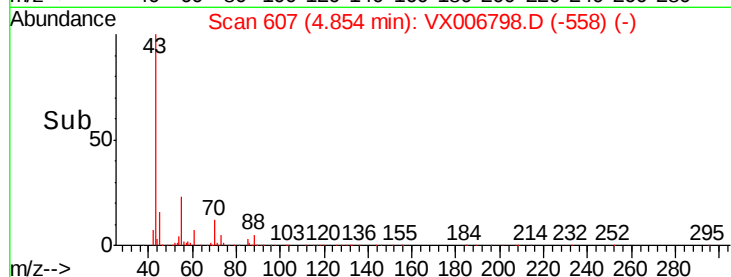
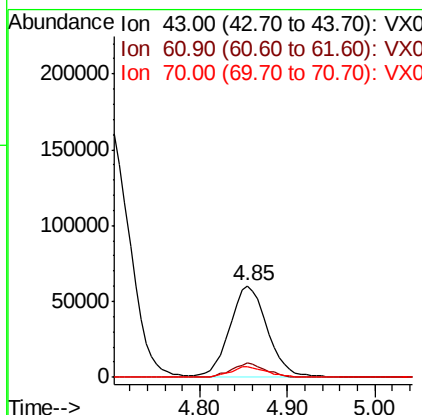
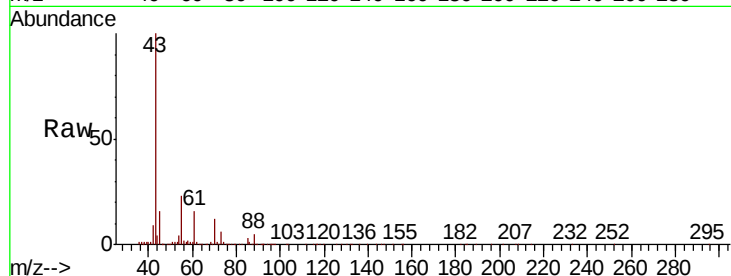
#37
Ethyl Acetate
Concen: 20.921 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion:	43	Resp:	177241
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	11.5	9.7	14.5

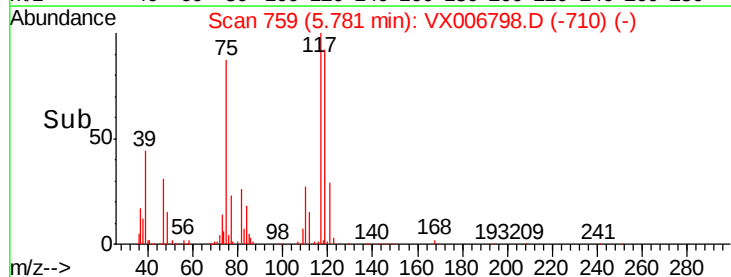
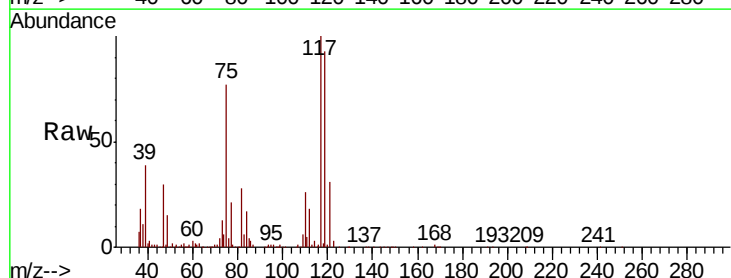
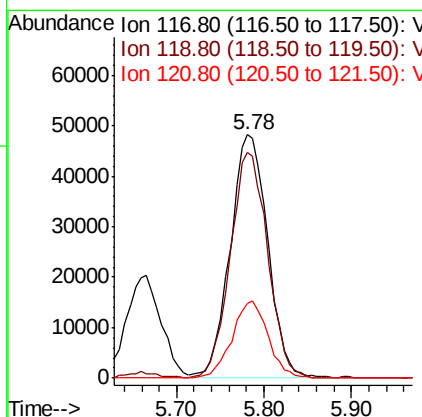
Manual Integrations
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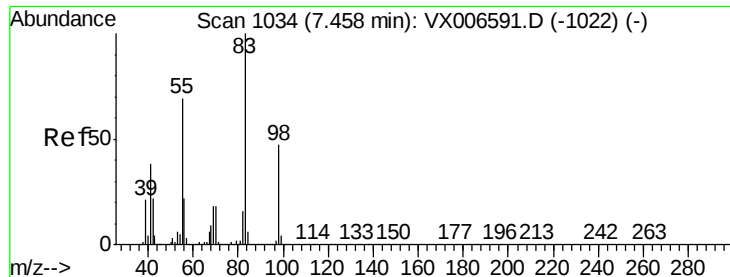
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#38
Carbon Tetrachloride
Concen: 18.228 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion:	117	Resp:	144186
Ion	Ratio	Lower	Upper
117	100		
119	92.6	79.4	119.2
121	30.7	24.0	36.0





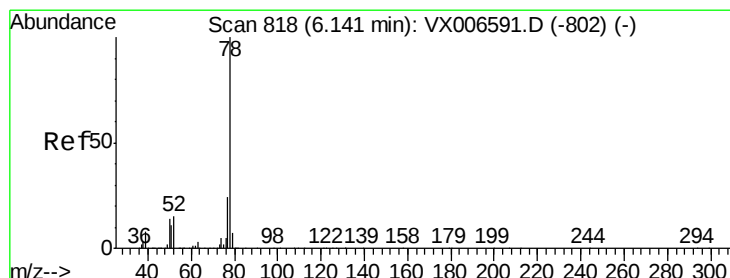
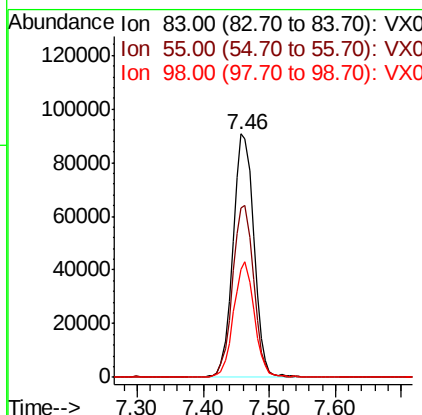
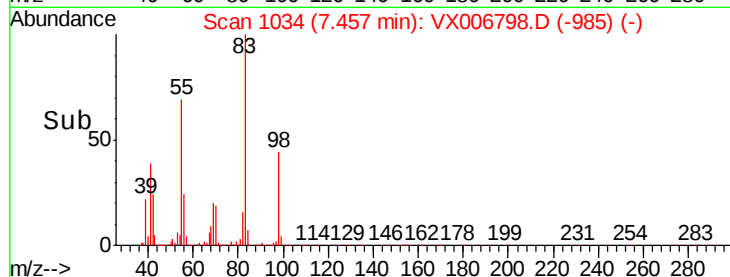
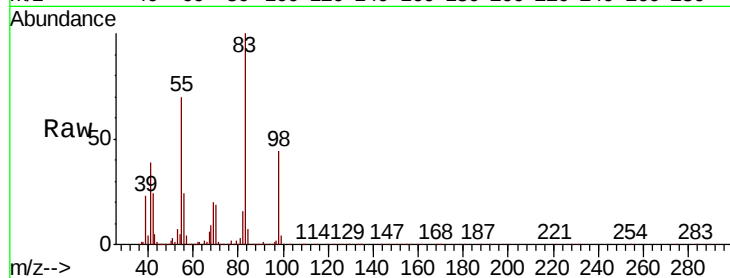
#39
Methvlcvclohexane
Concen: 18.622 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	54.9	82.3
98	44.4	37.9	56.9

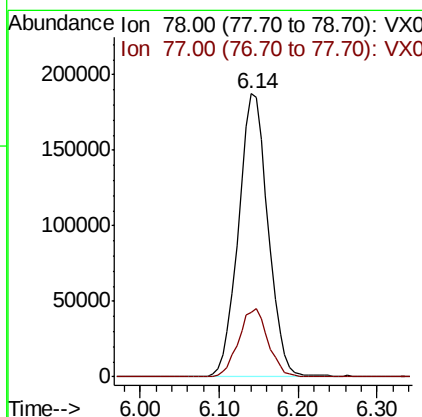
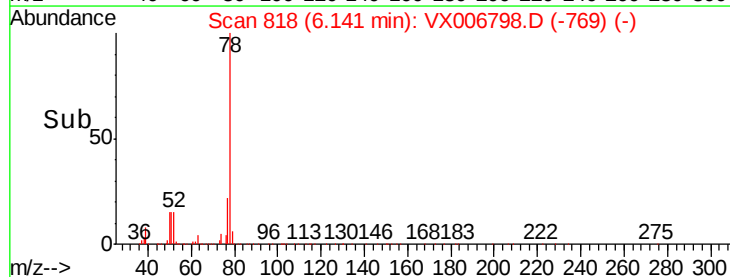
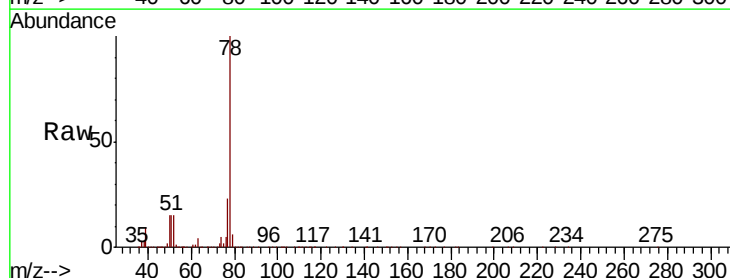
Manual Integrations
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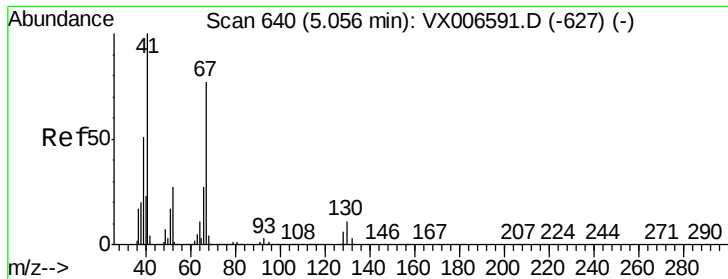
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#40
Benzene
Concen: 19.744 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.2	28.8





#41

Methacrylonitrile

Concen: 22.566 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

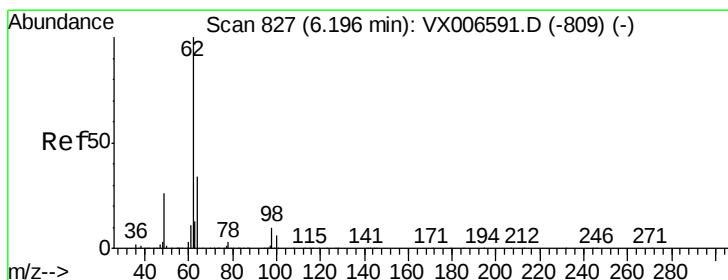
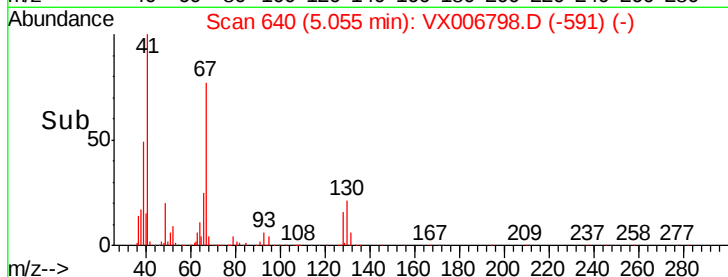
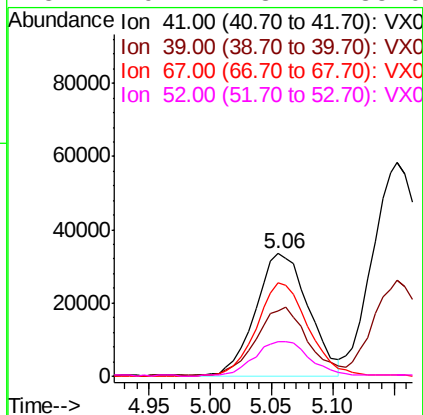
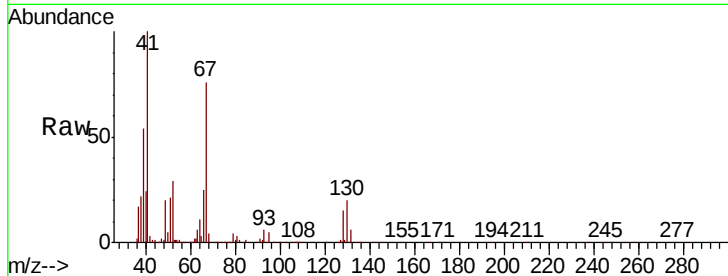
ClientSampleId :

VX1224MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	42.8	64.2	
67	74.1	62.1	93.1	
52	29.1	23.4	35.0	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.712 ug/l

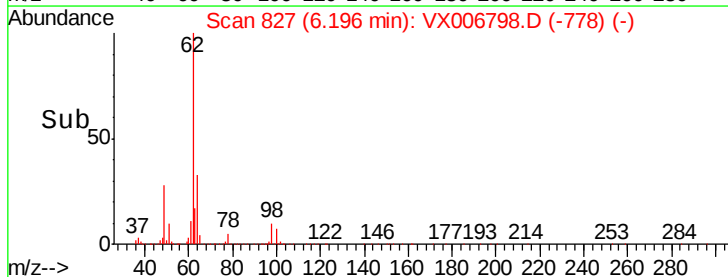
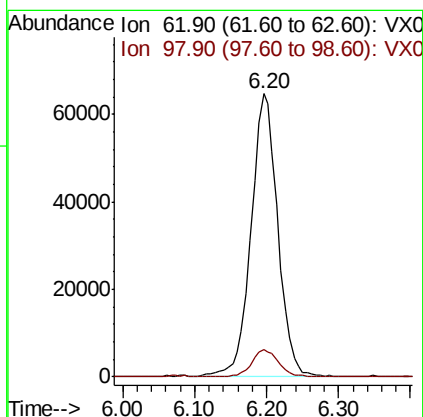
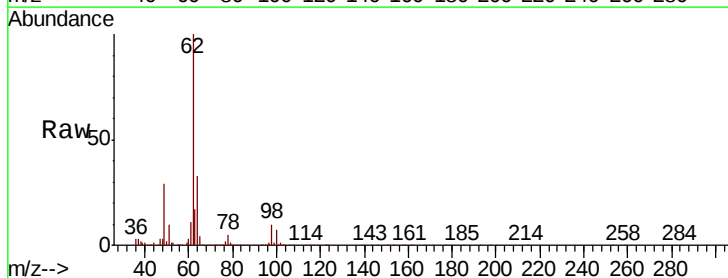
RT: 6.20 min Scan# 827

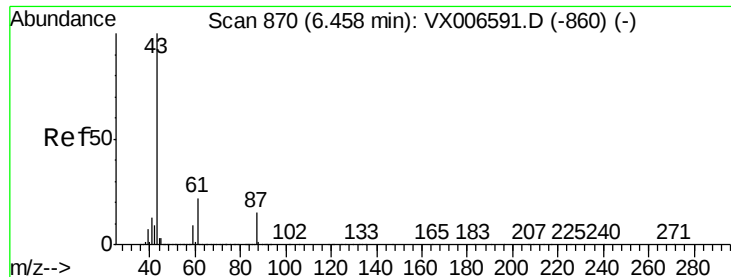
Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	20.2	





#43

Isopropyl Acetate

Concen: 21.522 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

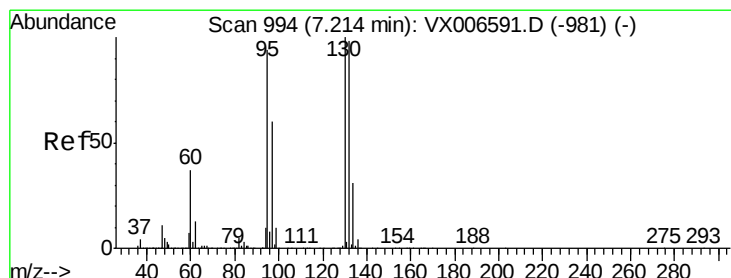
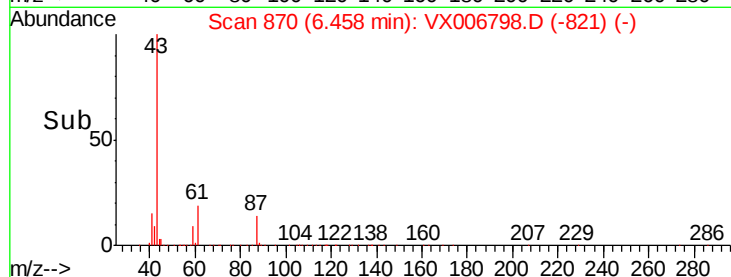
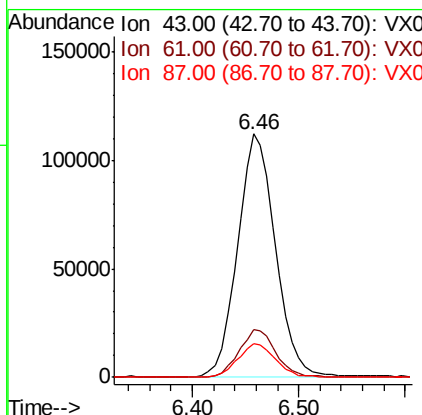
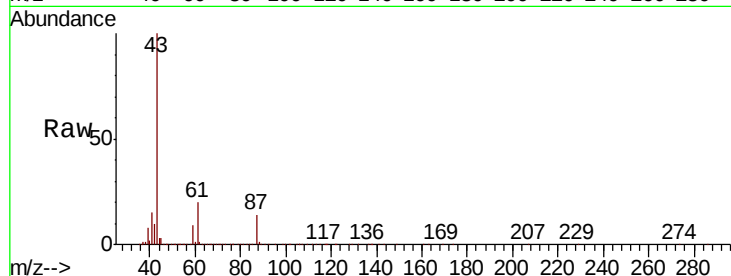
ClientSampleId :

VX1224MBS01

Tot Ion:	43	Resp:	277426
Ion	Ratio	Lower	Upper
43	100		
61	19.2	16.8	25.2
87	13.8	12.4	18.6

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#44

Trichloroethene

Concen: 19.376 ug/l

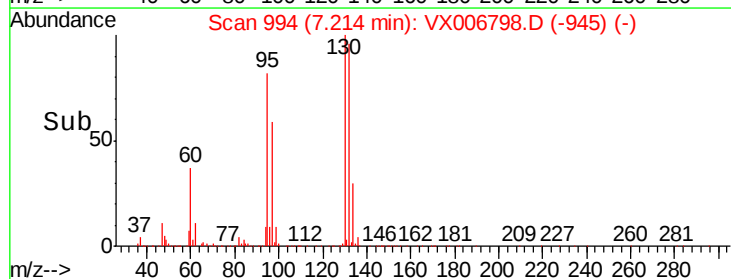
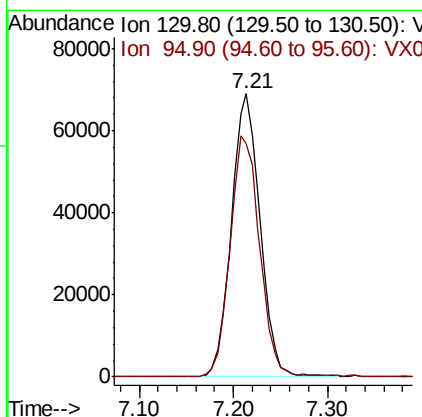
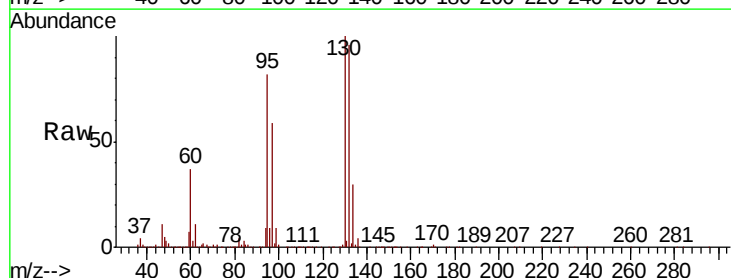
RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Tgt Ion:	130	Resp:	145095
Ion	Ratio	Lower	Upper
130	100		
95	82.2	0.0	187.0





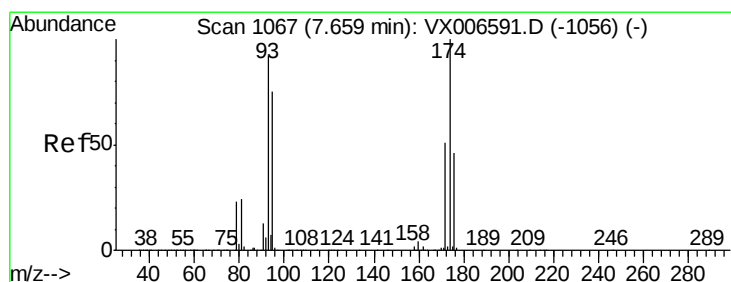
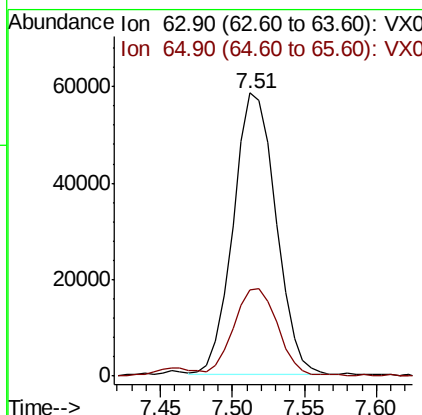
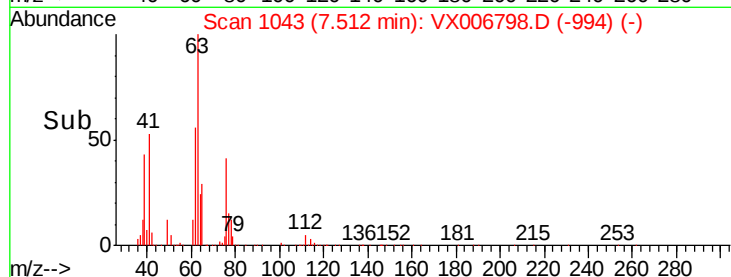
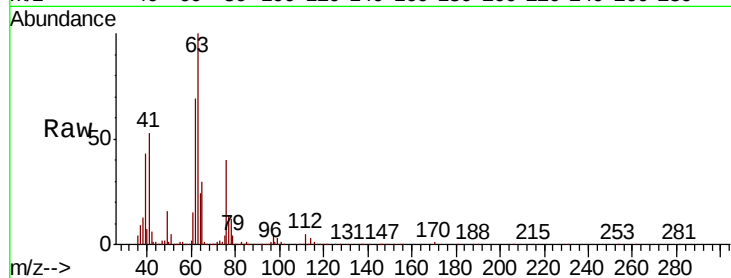
#45
 1,2-Dichloropropane
 Concen: 19.905 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX006798.D
 Acq: 24 Dec 2018 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBSD01

Tot Ion: 63 Resp: 119842
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.4 38.0

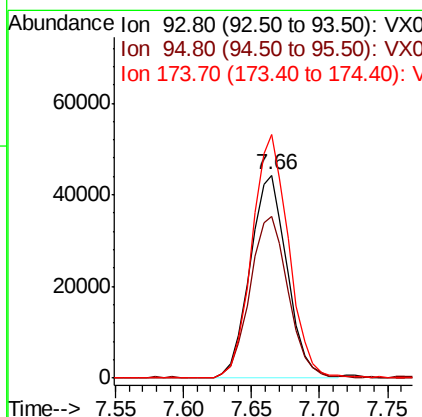
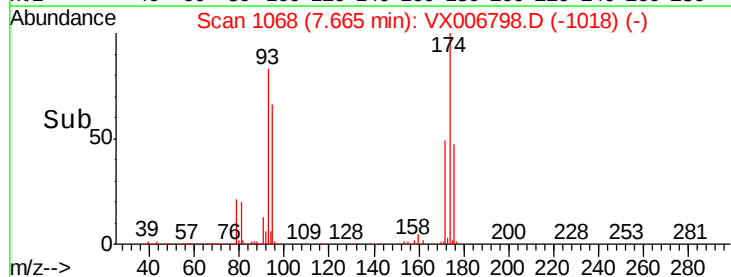
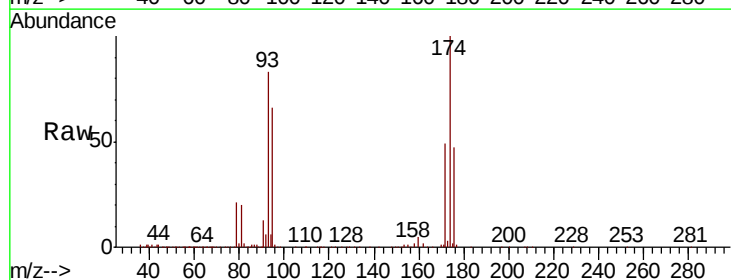
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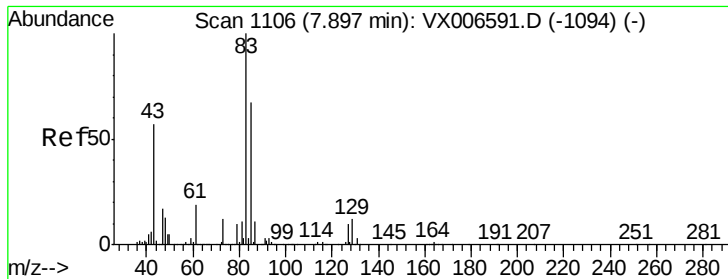
MMDadoda
 12/26/2018 9:57:46 AM



#46
 Dibromomethane
 Concen: 19.118 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX006798.D
 Acq: 24 Dec 2018 16:38

Tgt Ion: 93 Resp: 84667
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.2 99.4
 174 119.0 91.0 136.4





#47

Bromodichloromethane

Concen: 17.770 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

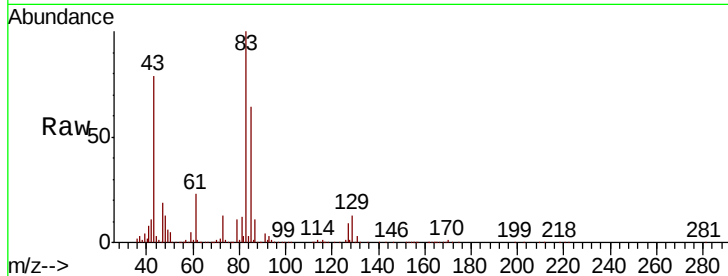
ClientSampleId :

VX1224MBSD01

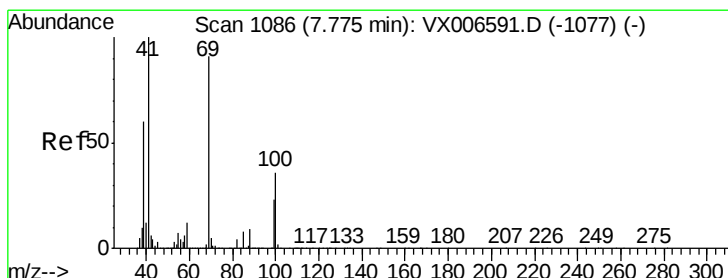
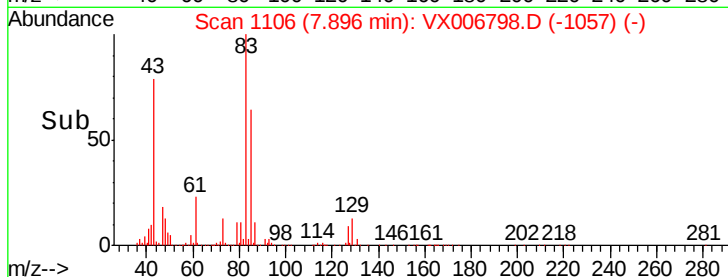
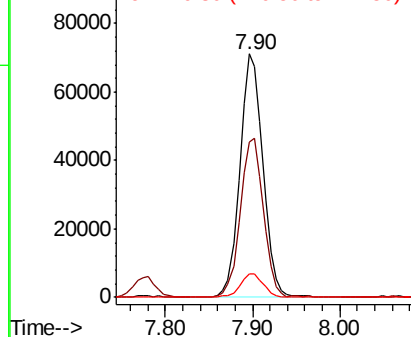
Tot Ion:	83	Resp:	130656
Ion Ratio	Lower	Upper	
83	100		
85	63.7	53.2	79.8
127	9.4	7.8	11.6

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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: 21.842 ug/l

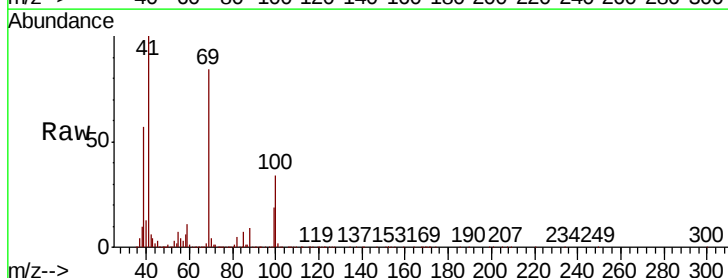
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

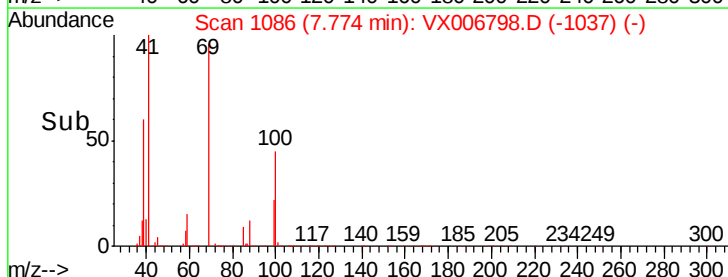
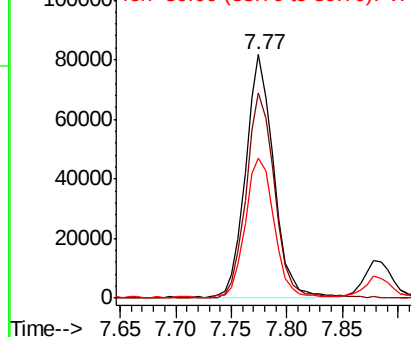
Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Tgt Ion:	41	Resp:	143177
Ion Ratio	Lower	Upper	
41	100		
69	86.1	72.4	108.6
39	59.1	45.8	68.8



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





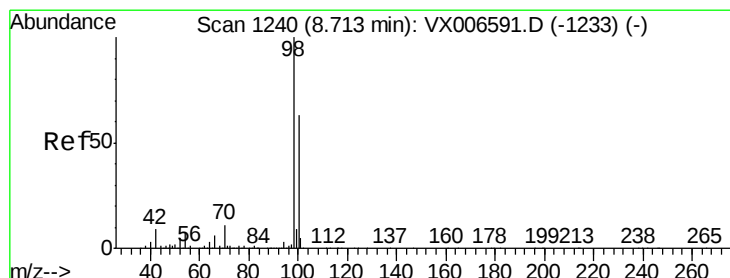
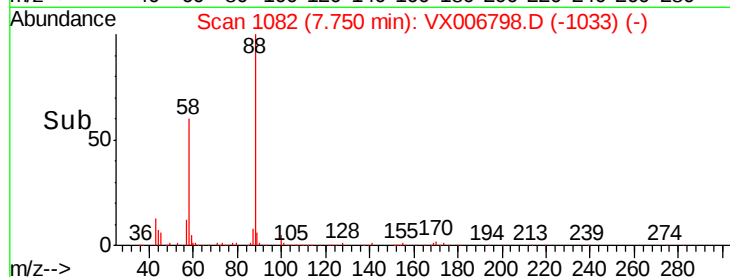
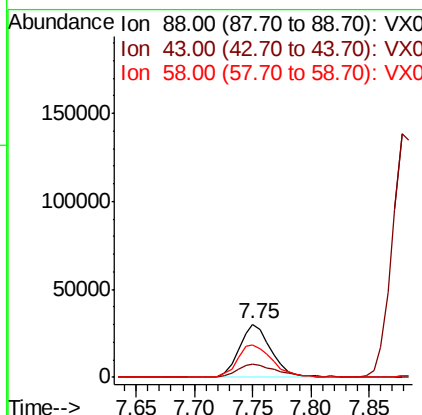
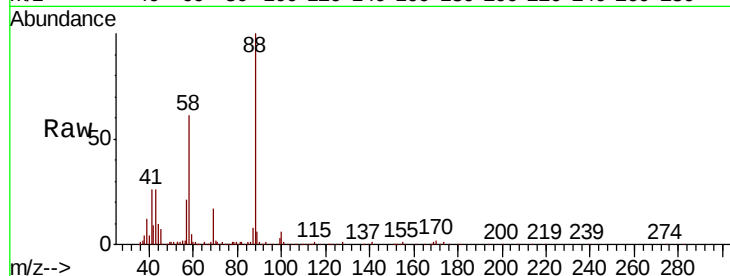
#49
1,4-Dioxane
Concen: 319.029 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	22.2	33.4
58	67.9	51.0	76.4

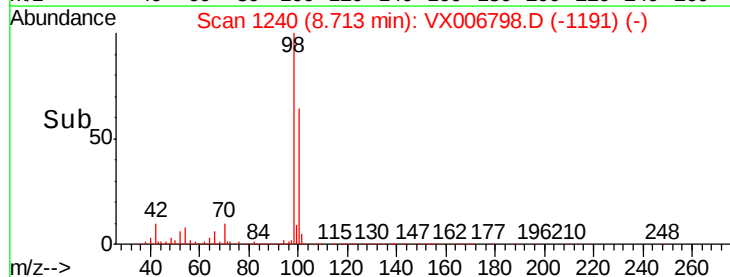
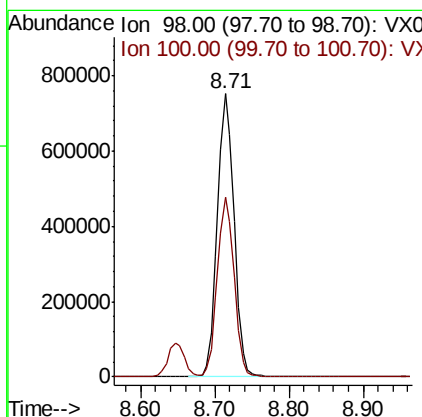
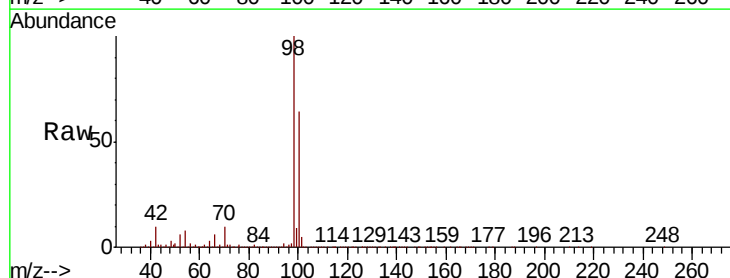
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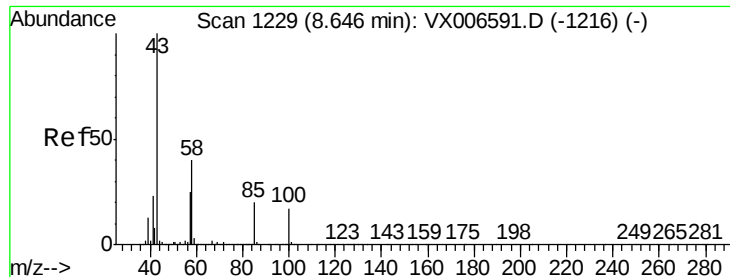
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#50
Toluene-d8
Concen: 49.696 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0





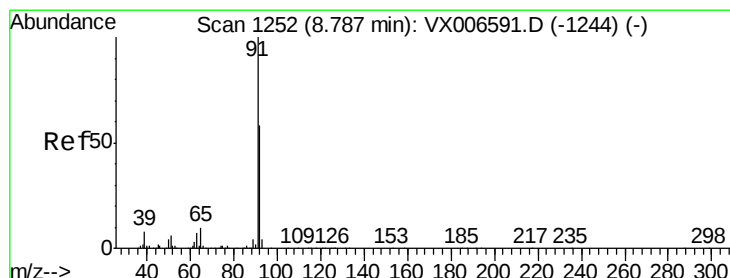
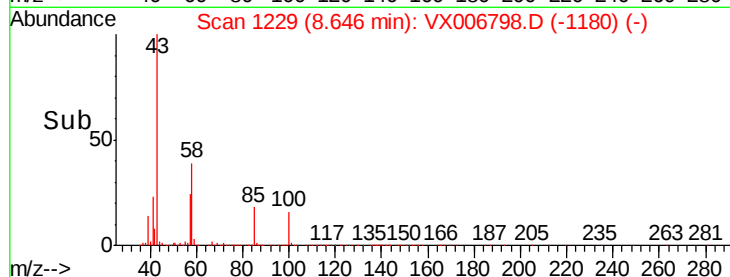
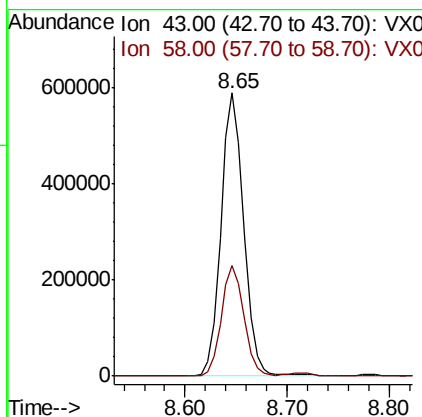
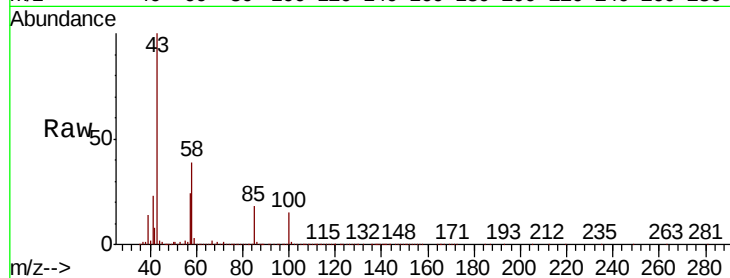
#51
4-Methyl-2-Pentanone
Concen: 111.202 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.7	31.8	47.6

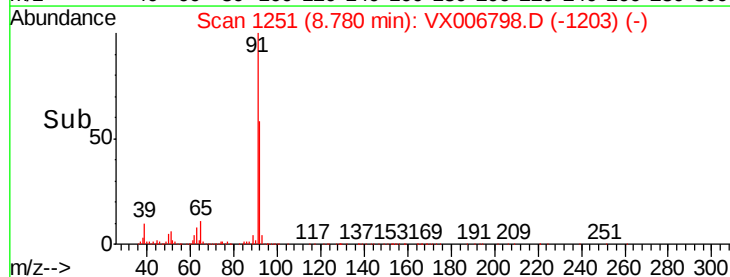
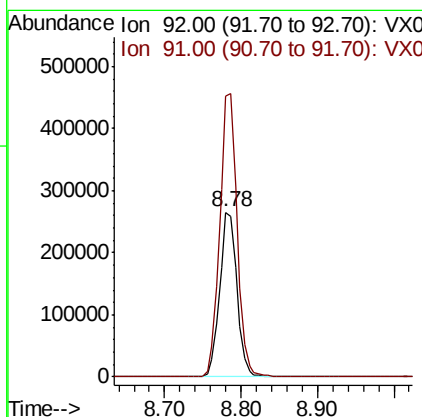
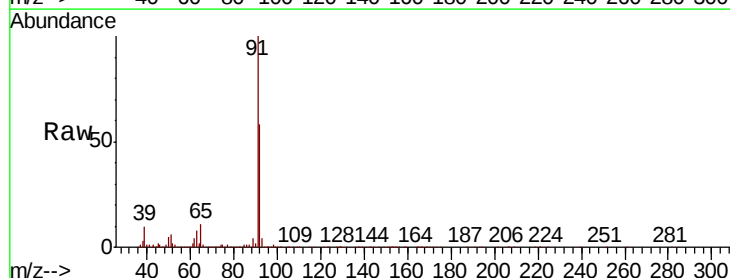
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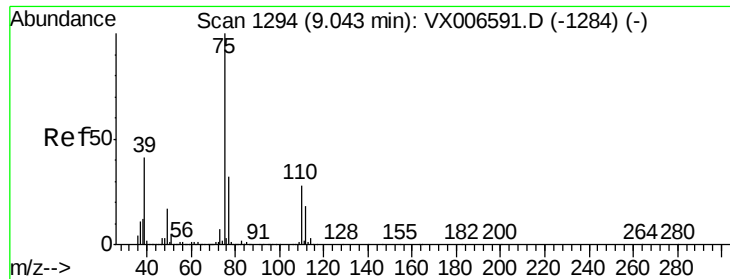
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#52
Toluene
Concen: 25.777 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.8	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 18.260 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBS01

Tot Ion: 75 Resp: 143992

Ion Ratio Lower Upper

75 100

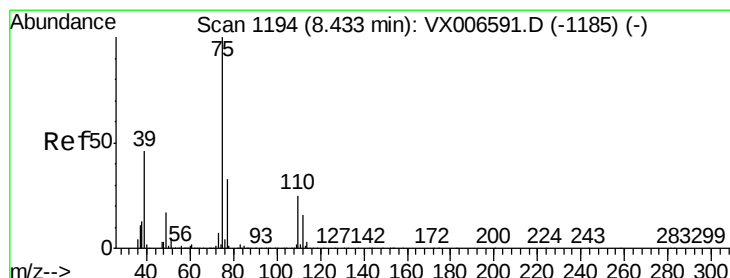
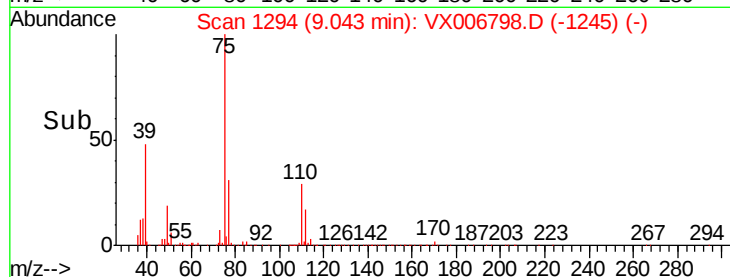
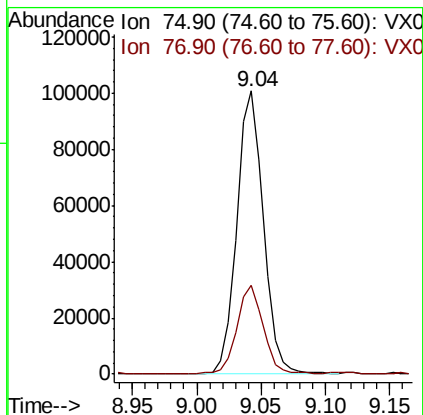
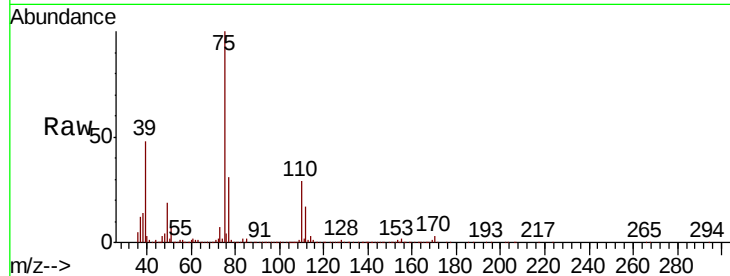
77 31.1 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 18.915 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

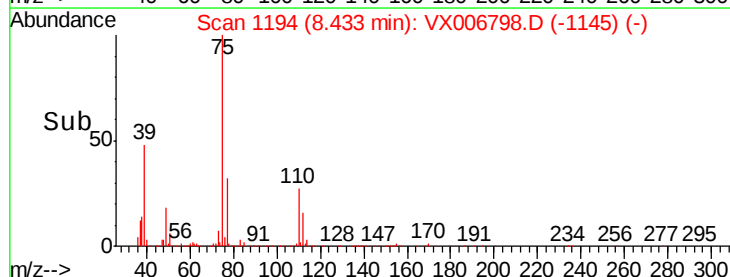
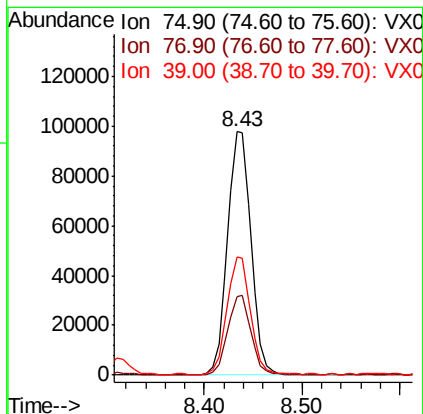
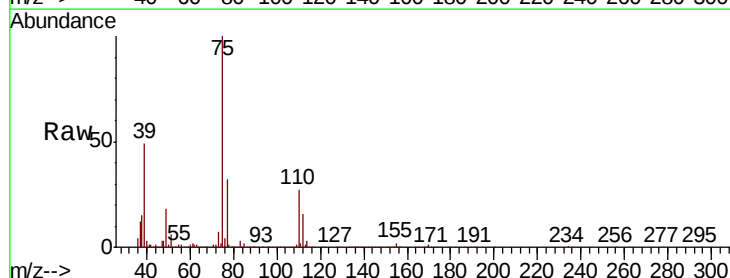
Tgt Ion: 75 Resp: 163664

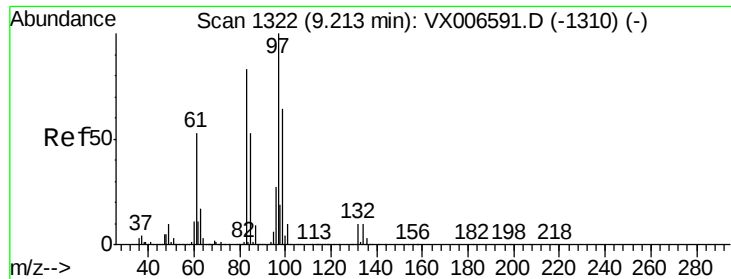
Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

39 48.3 36.7 55.1





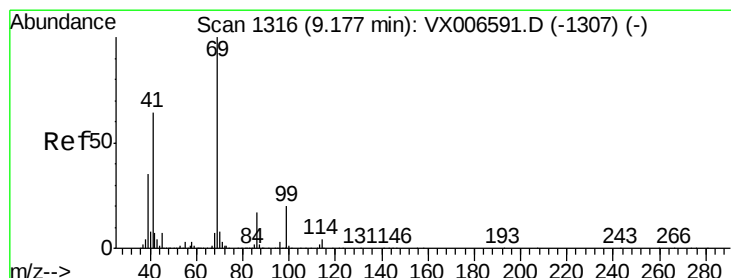
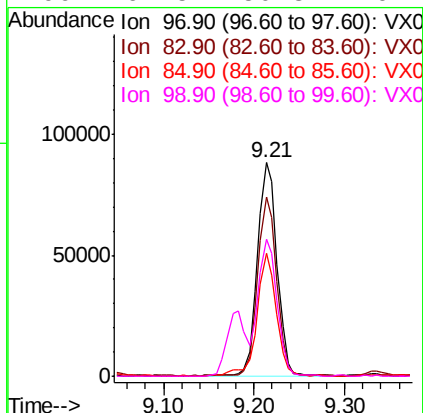
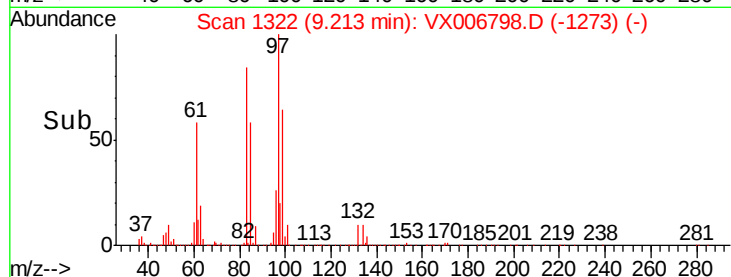
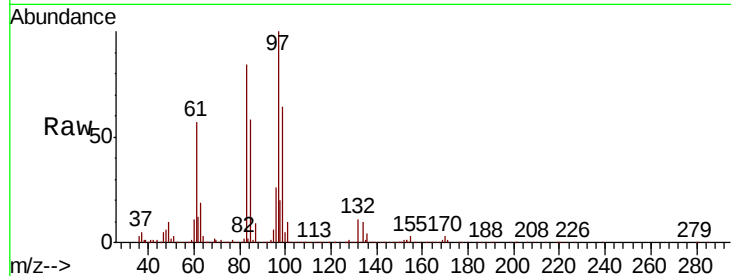
#55
1,1,2-Trichloroethane
Concen: 20.191 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		132100		
83	83.7	66.6	99.8		
85	57.6	42.7	64.1		
99	64.5	50.8	76.2		

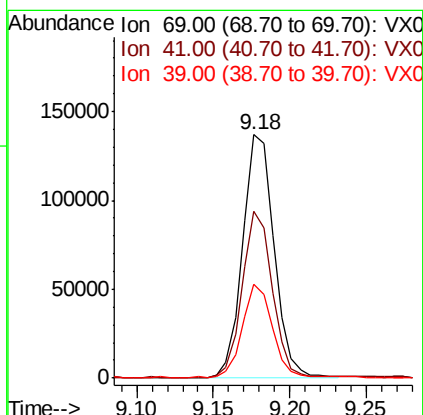
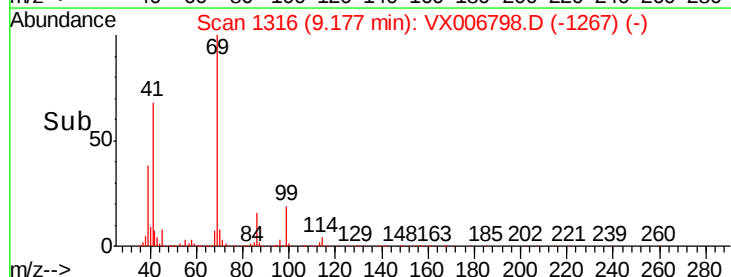
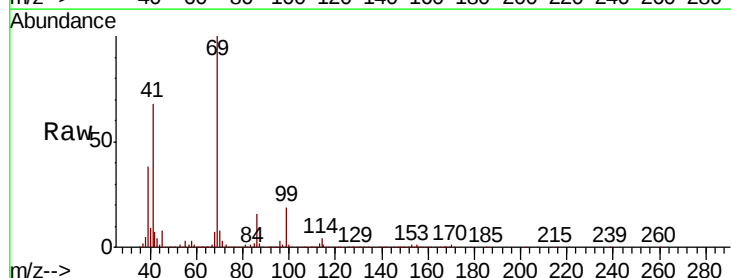
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#56
Ethyl methacrylate
Concen: 21.134 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		195423		
41	65.6	48.7	73.1		
39	37.2	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 19.987 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion: 76 Resp: 210391

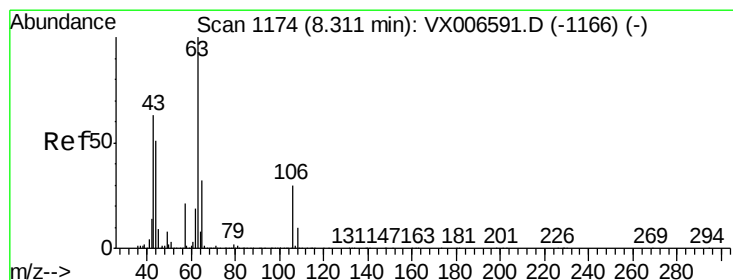
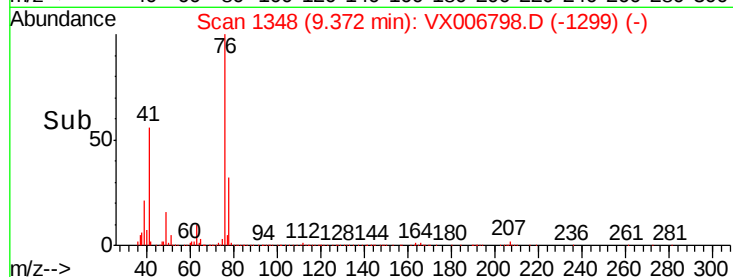
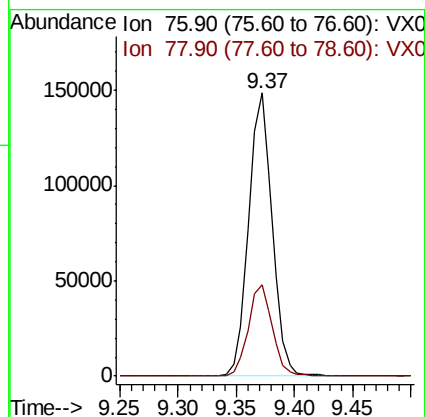
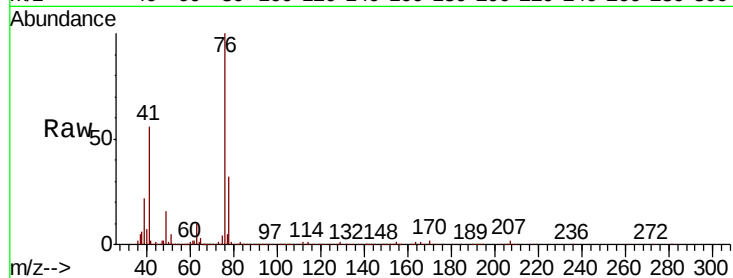
Ion Ratio Lower Upper

76 100

78 33.0 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 104.823 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006798.D

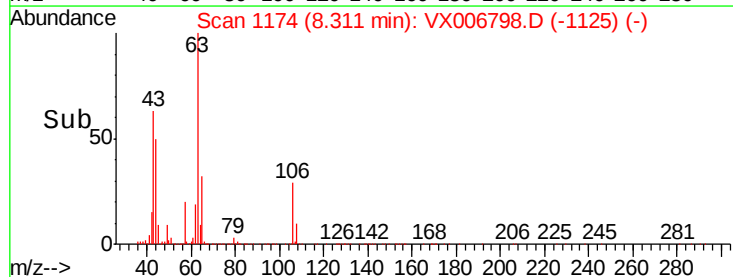
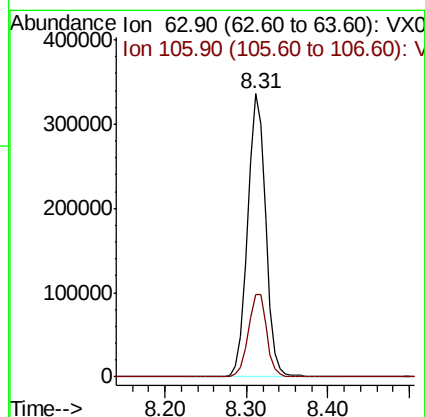
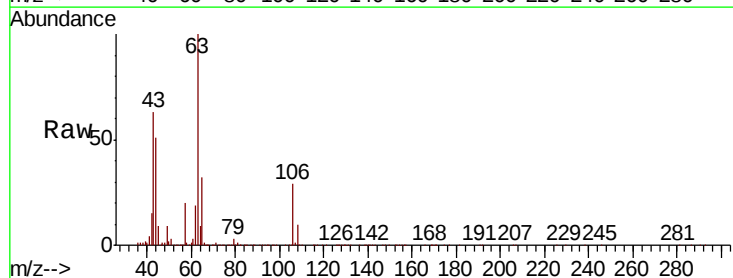
Acq: 24 Dec 2018 16:38

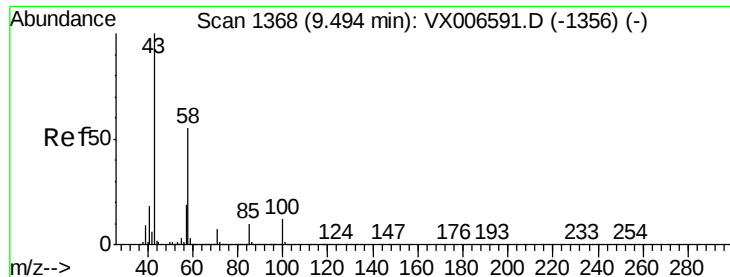
Tgt Ion: 63 Resp: 515251

Ion Ratio Lower Upper

63 100

106 29.9 24.6 36.8





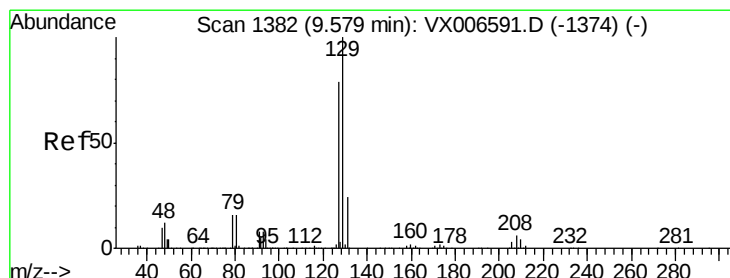
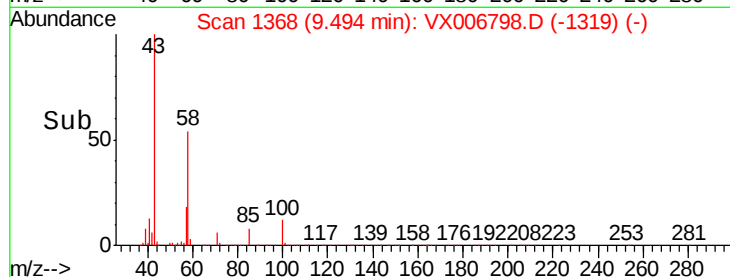
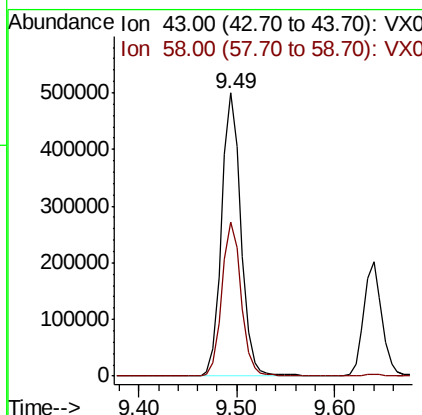
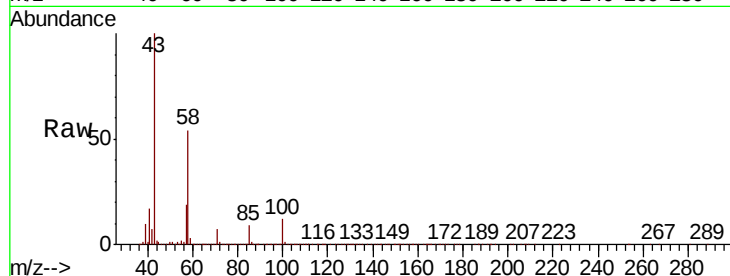
#59
2-Hexanone
Concen: 108.853 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion: 43 Resp: 683074
Ion Ratio Lower Upper
43 100
58 54.3 27.7 83.1

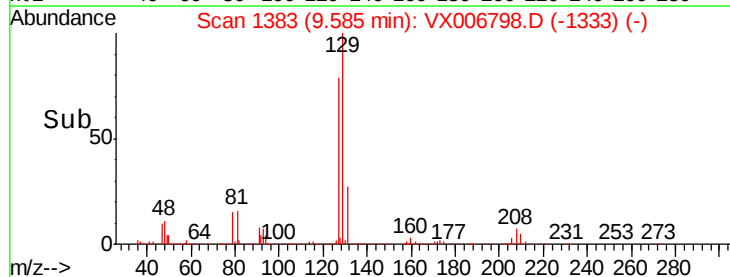
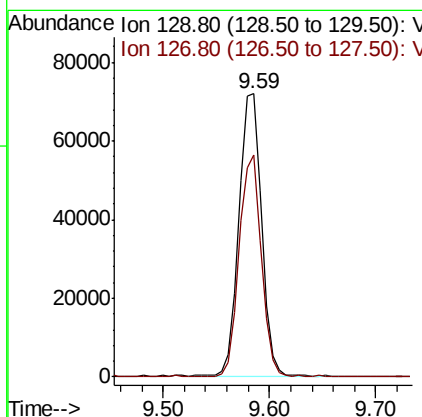
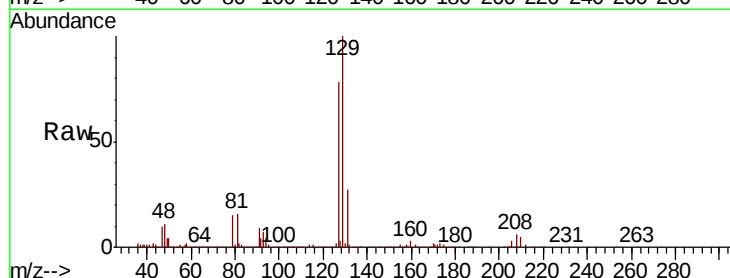
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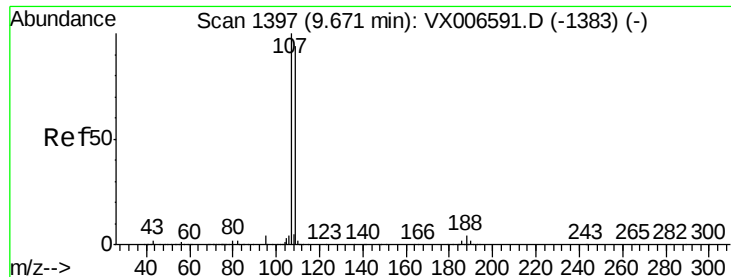
MMDadoda
12/26/2018 9:57:46 AM



#60
Dibromochloromethane
Concen: 17.325 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion: 129 Resp: 107653
Ion Ratio Lower Upper
129 100
127 77.4 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.019 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion: 107 Resp: 139233

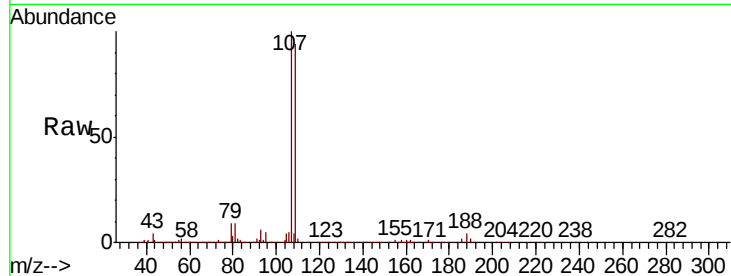
Ion Ratio Lower Upper

107 100

109 93.5 75.8 113.6

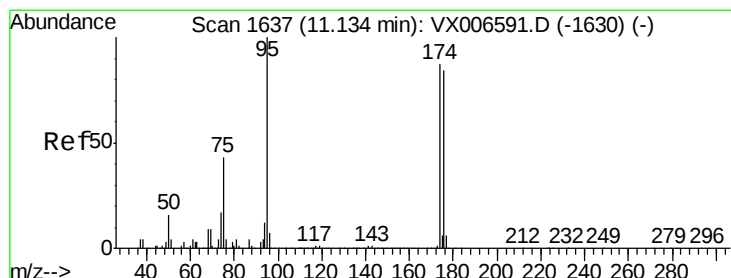
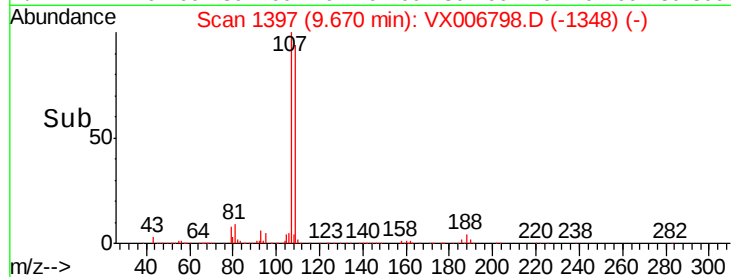
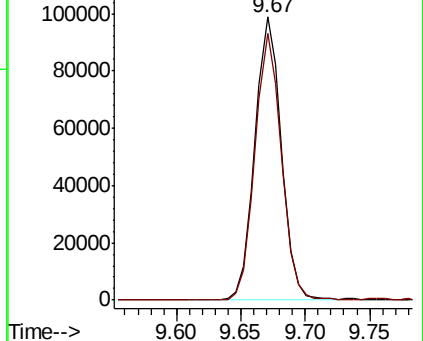
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.146 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

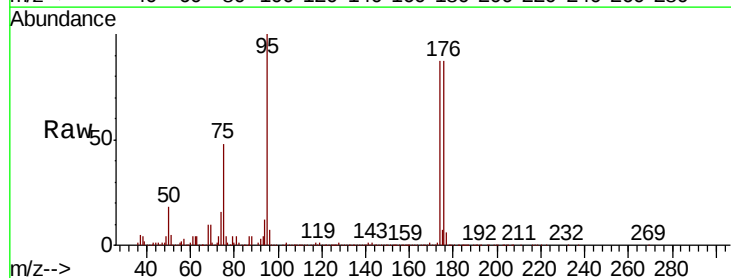
Tgt Ion: 95 Resp: 421725

Ion Ratio Lower Upper

95 100

174 95.3 0.0 182.2

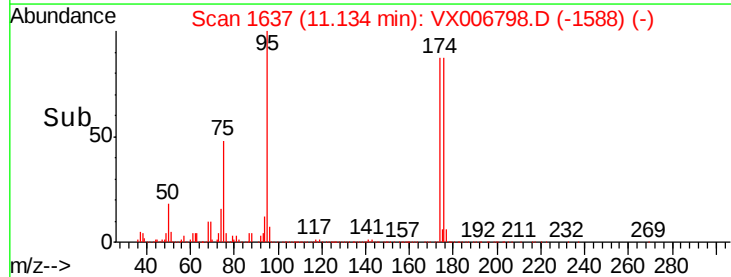
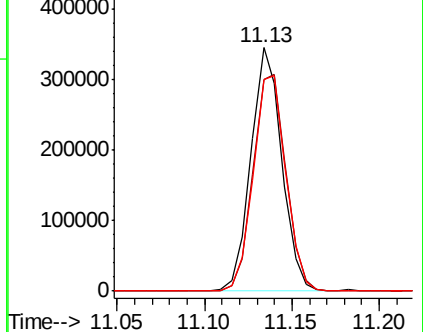
176 93.9 0.0 178.8

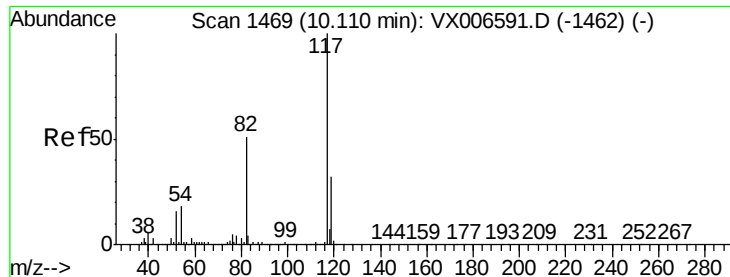


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





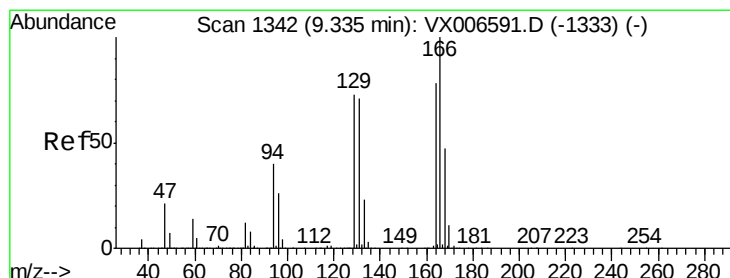
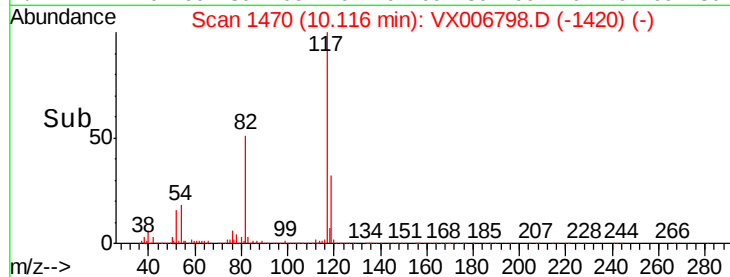
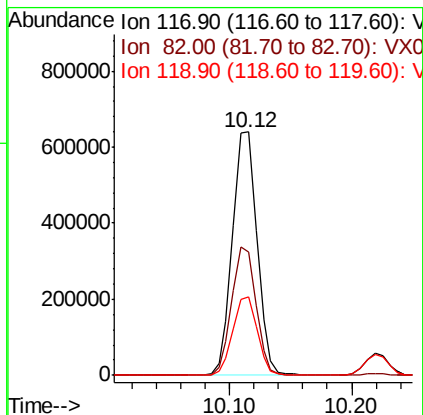
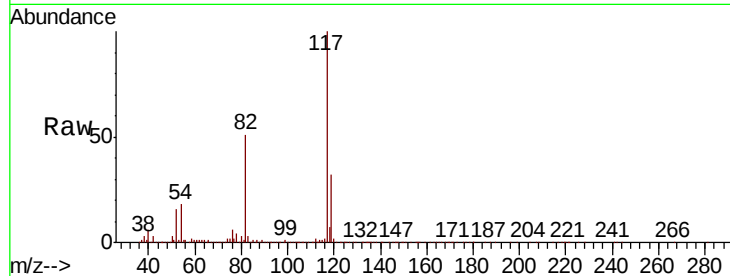
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	891871		
82	50.7		41.0	61.6
119	32.2		25.4	38.0

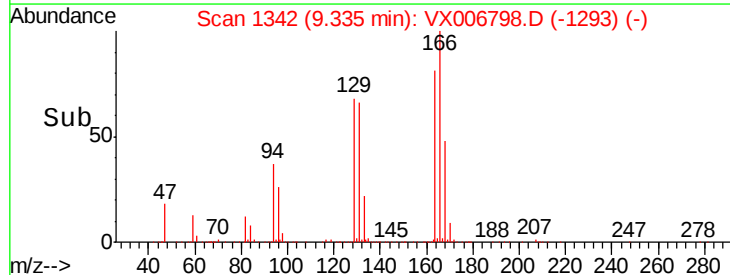
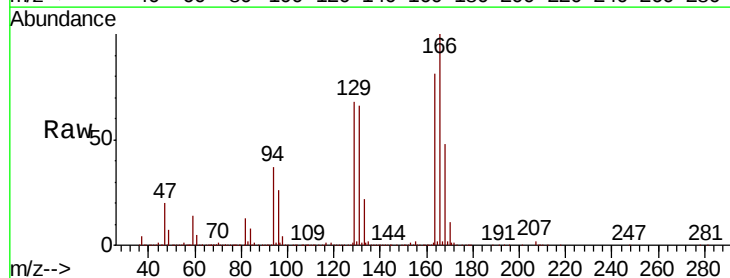
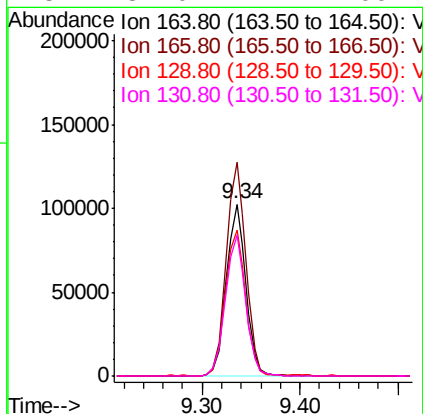
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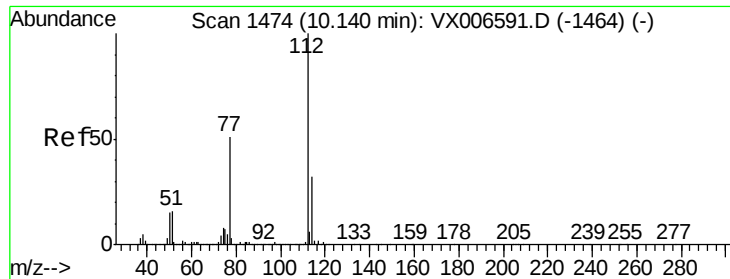
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#64
Tetrachloroethene
Concen: 20.192 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	142600		
166	124.1		102.5	153.7
129	84.8		75.1	112.7
131	82.0		72.7	109.1





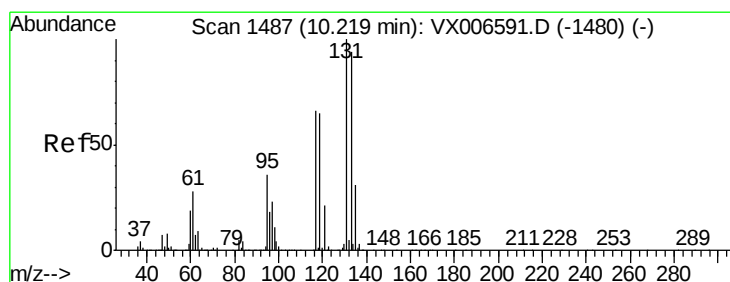
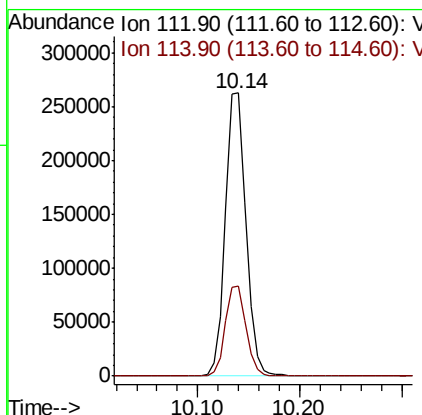
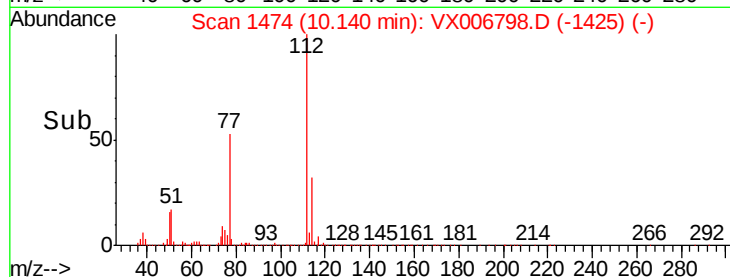
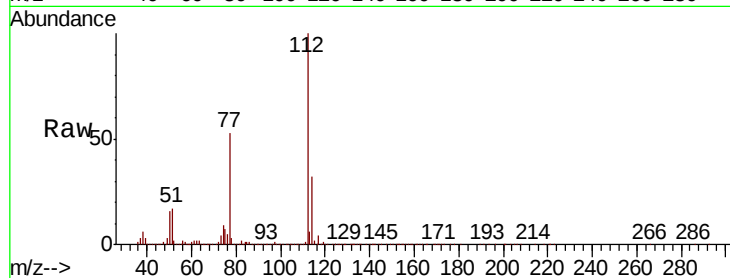
#65
Chlorobenzene
Concen: 19.541 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion:112 Resp: 368700
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

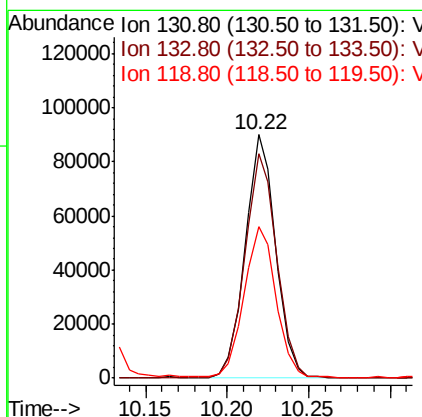
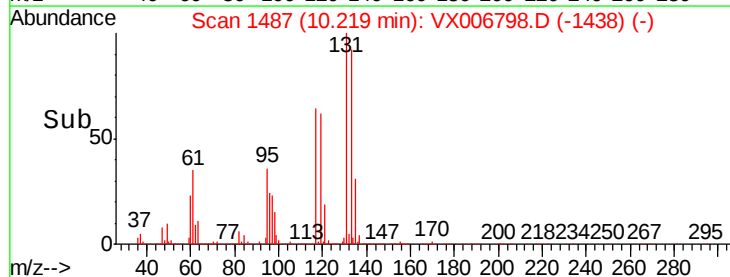
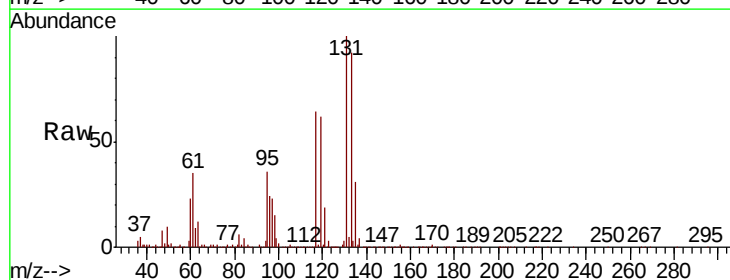
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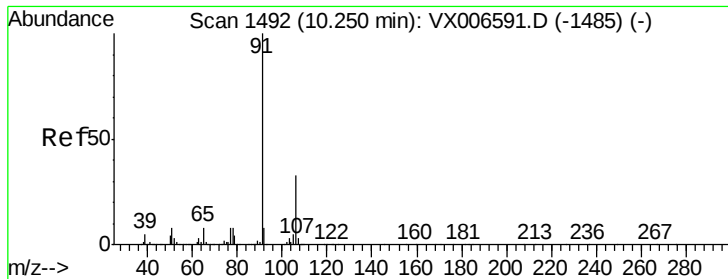
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.854 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion:131 Resp: 116876
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.2
119 65.1 32.6 97.8





#67

Ethyl Benzene

Concen: 20.895 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion: 91 Resp: 644250

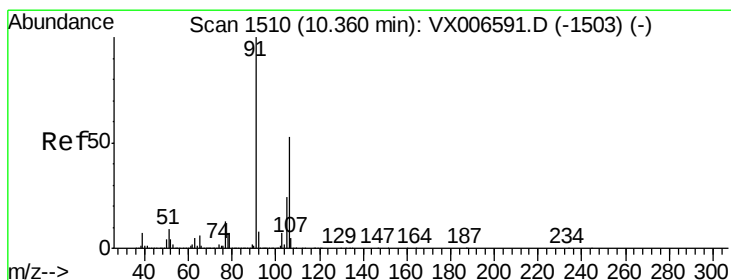
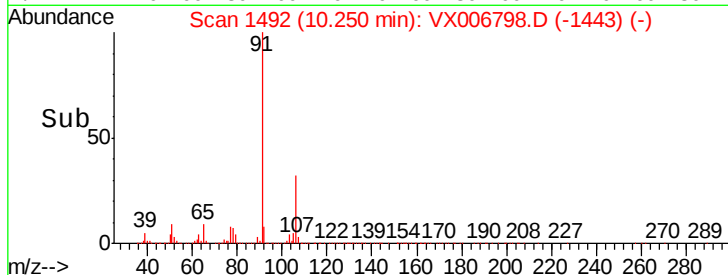
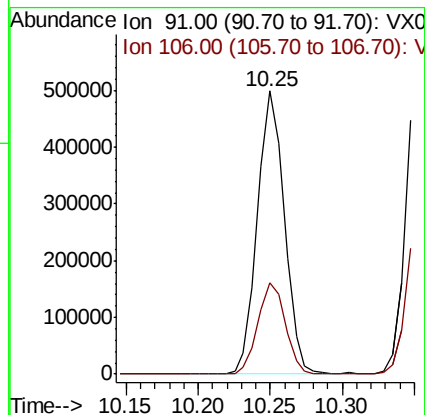
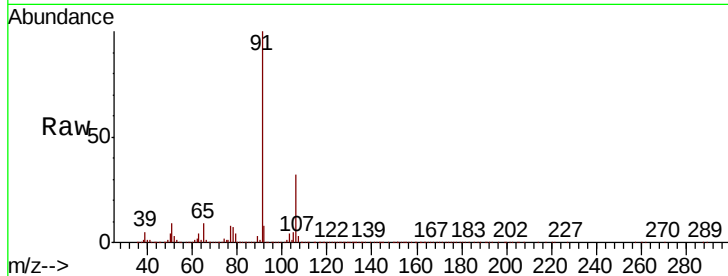
Ion Ratio Lower Upper

91 100

106 32.1 26.4 39.6

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#68

m/p-Xylenes

Concen: 47.035 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006798.D

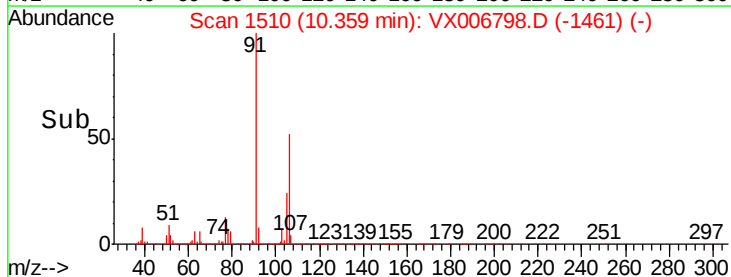
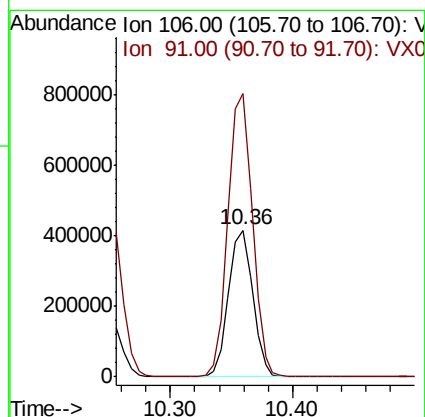
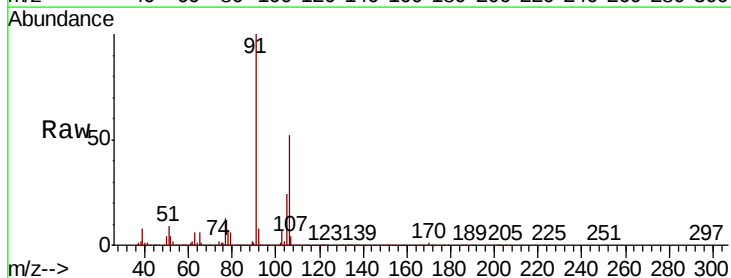
Acq: 24 Dec 2018 16:38

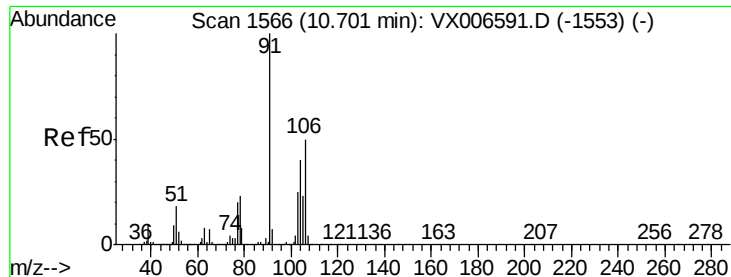
Tgt Ion: 106 Resp: 572243

Ion Ratio Lower Upper

106 100

91 194.0 155.8 233.6





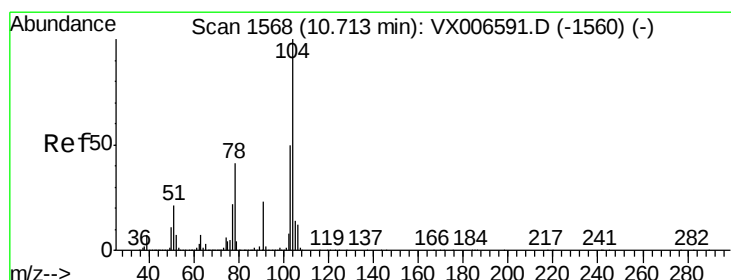
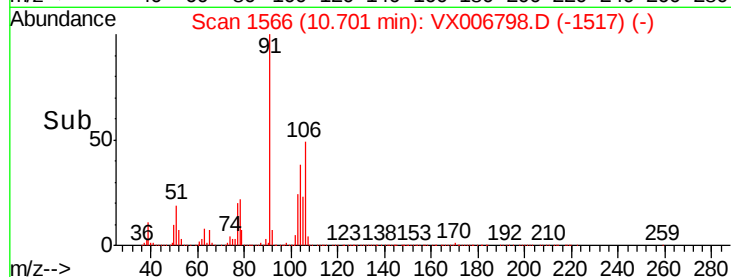
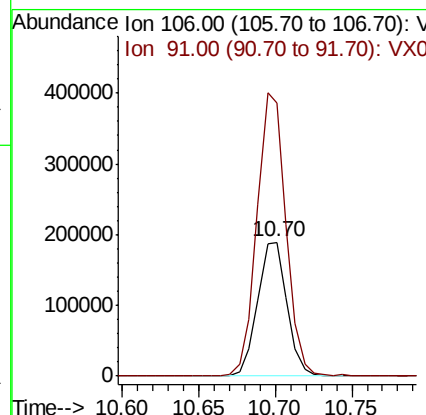
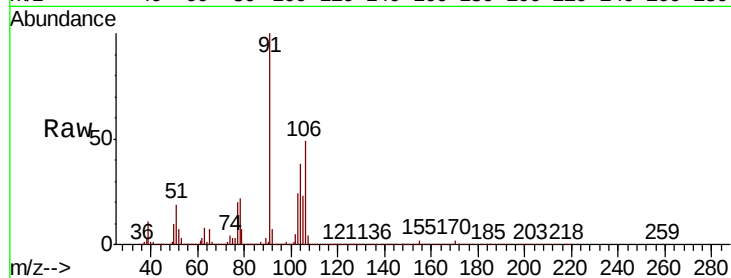
#69
o-Xylene
Concen: 21.031 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.1	101.3	303.7

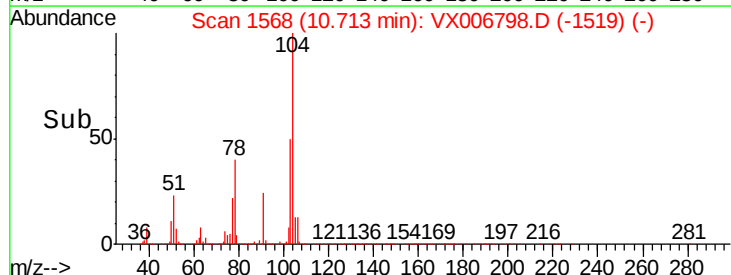
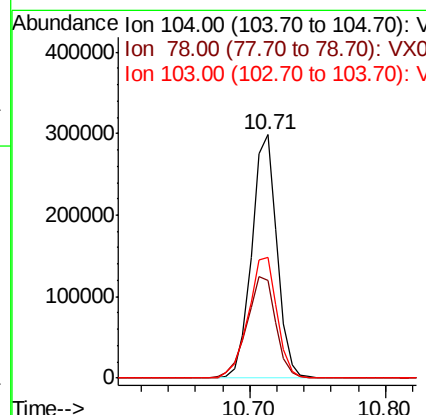
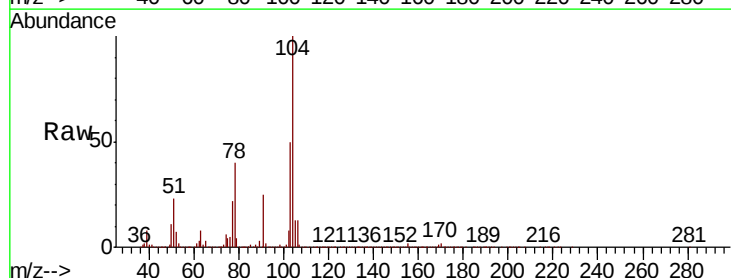
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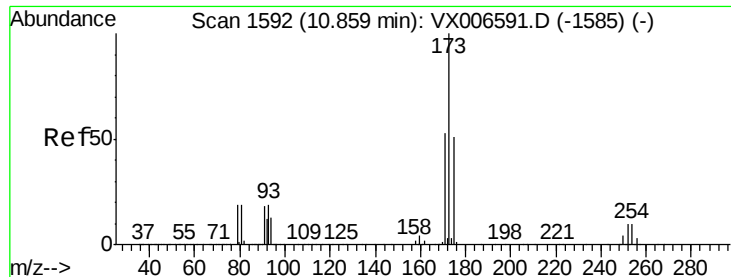
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#70
Styrene
Concen: 20.441 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	37.7	56.5
103	56.0	43.8	65.8





#71

Bromoform

Concen: 17.668 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion:173 Resp: 77002

Ion Ratio Lower Upper

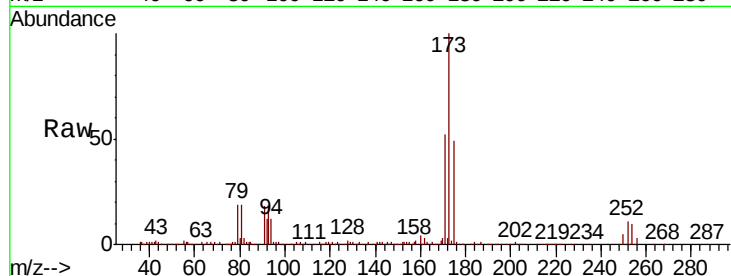
173 100

175 50.0 24.7 74.1

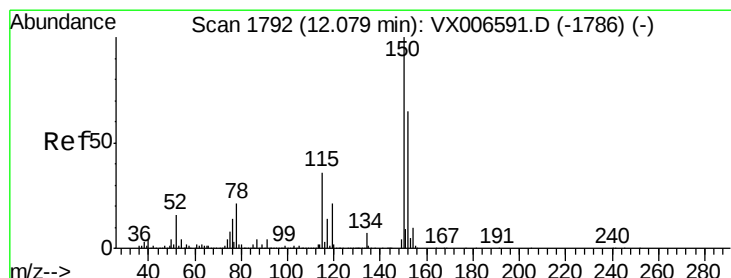
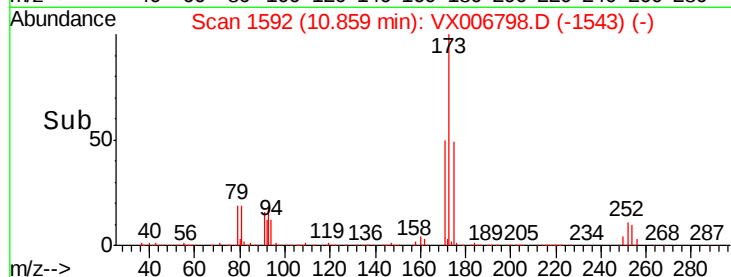
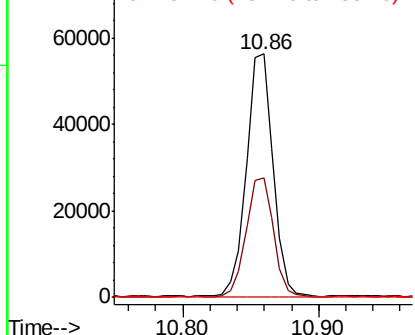
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

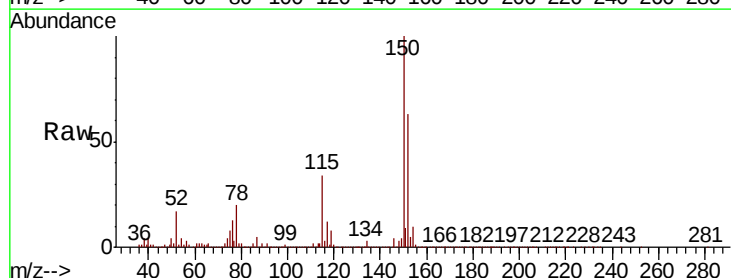
Tgt Ion:152 Resp: 466234

Ion Ratio Lower Upper

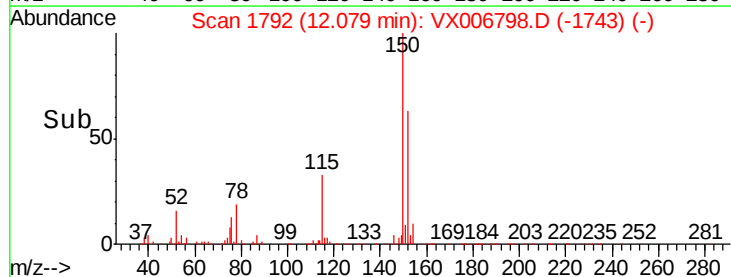
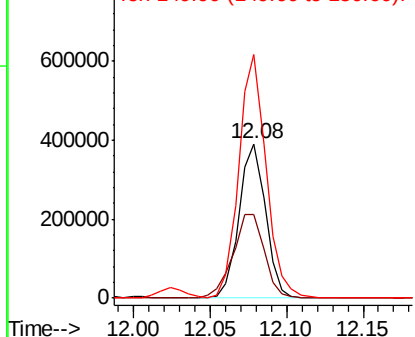
152 100

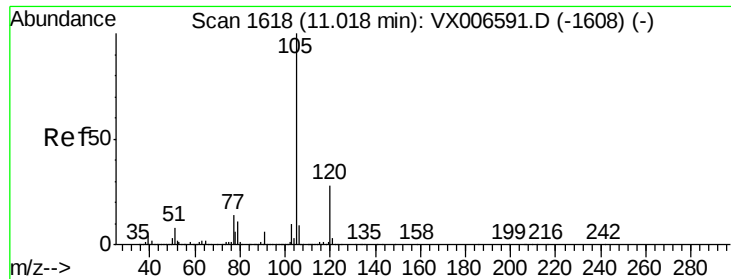
115 63.9 39.1 117.2

150 162.9 0.0 344.8



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





#73

Isopropylbenzene

Concen: 19.964 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion: 105 Resp: 636783

Ion Ratio Lower Upper

105 100

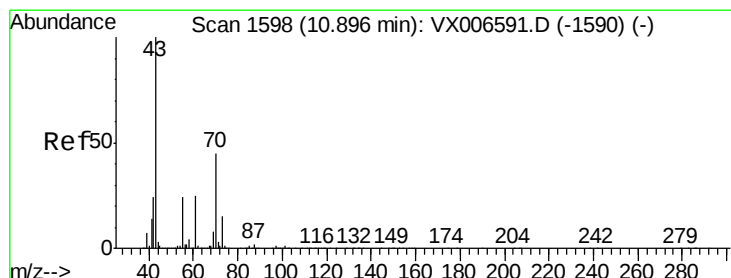
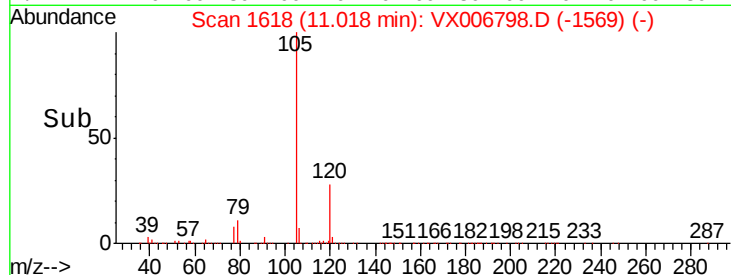
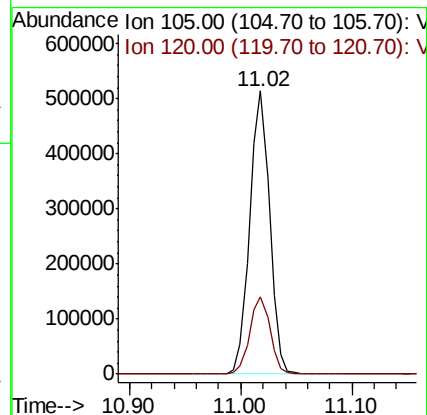
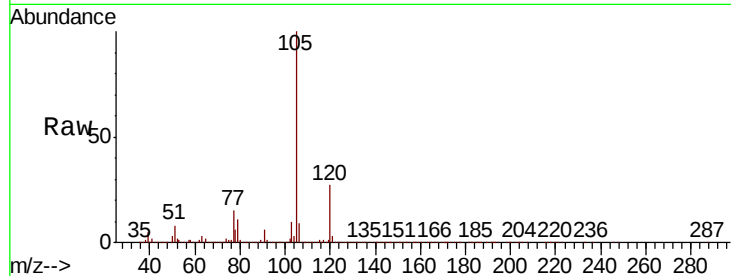
120 27.7 14.1 42.4

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#74

N-ethyl acetate

Concen: 22.504 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Tgt Ion: 43 Resp: 256921

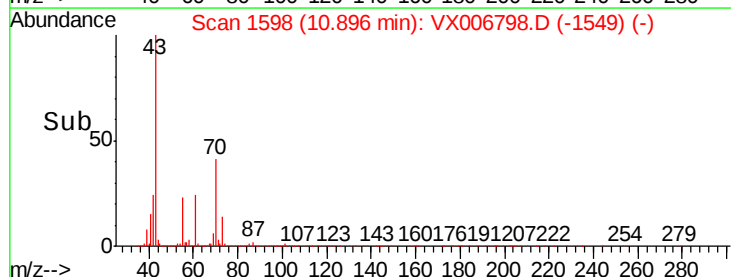
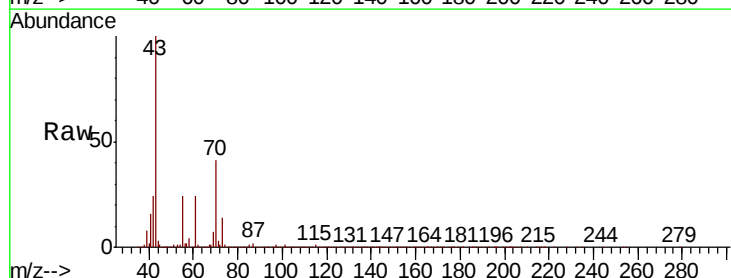
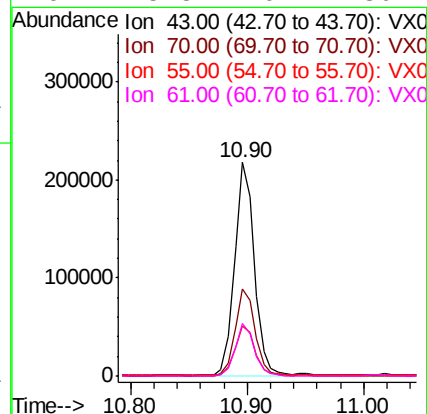
Ion Ratio Lower Upper

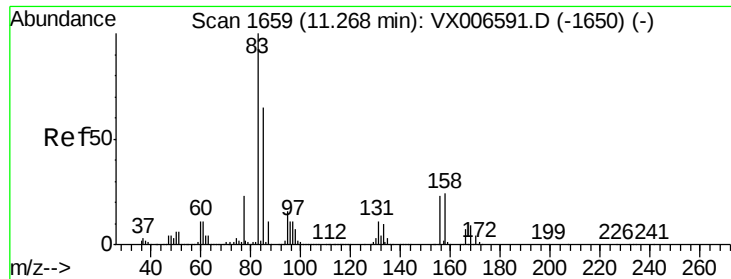
43 100

70 41.1 35.8 53.8

55 23.5 19.4 29.0

61 23.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.945 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion: 83 Resp: 198685

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

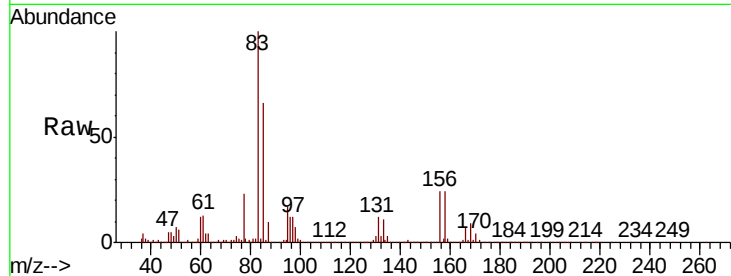
85 64.3 32.2 96.6

Manual Integrations

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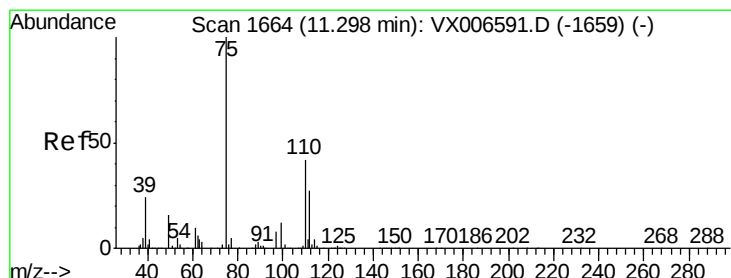
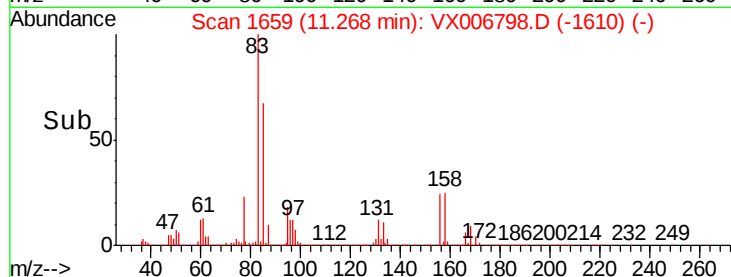
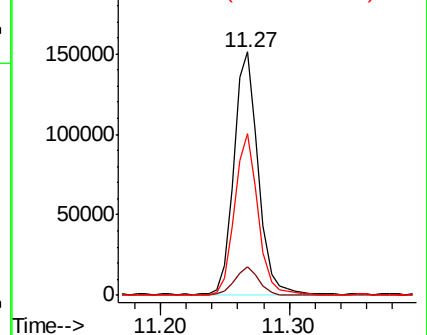
12/26/2018 9:57:46 AM



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: 20.715 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006798.D

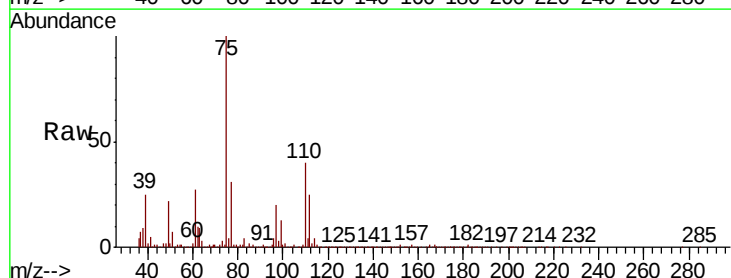
Acq: 24 Dec 2018 16:38

Tgt Ion: 75 Resp: 179486

Ion Ratio Lower Upper

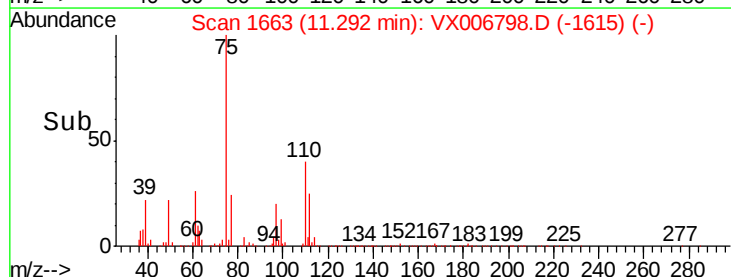
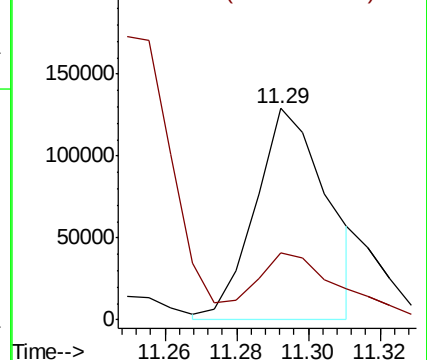
75 100

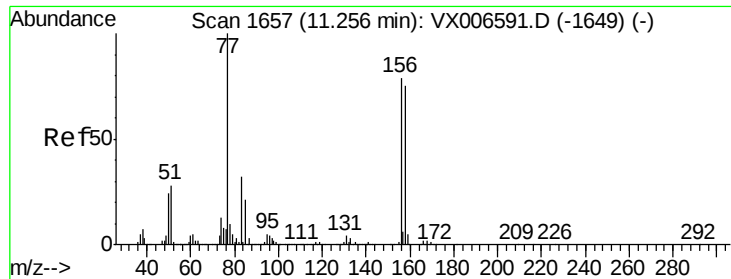
77 37.4 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.924 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

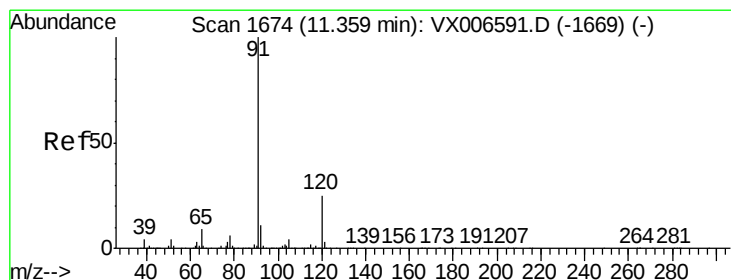
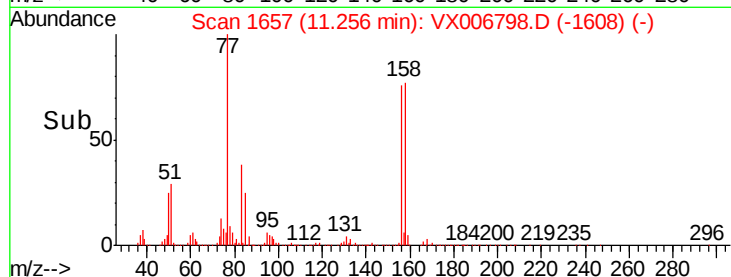
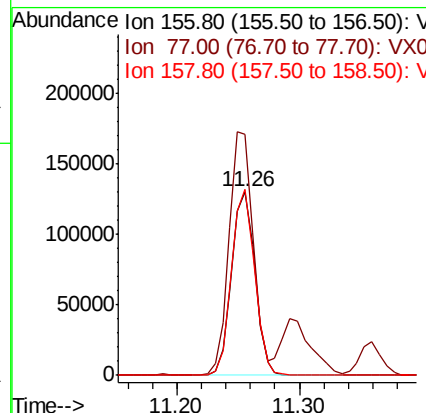
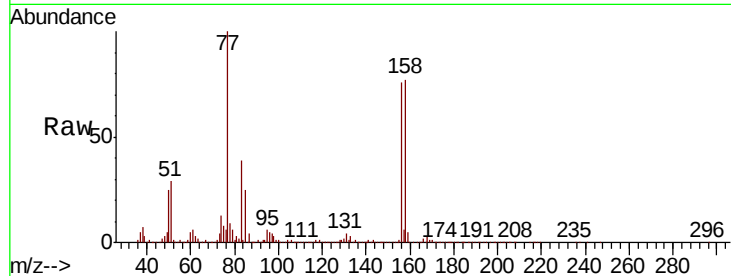
ClientSampleId :

VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.9	68.0	204.0
158	99.9	48.3	144.8

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#78

n-propylbenzene

Concen: 20.190 ug/l

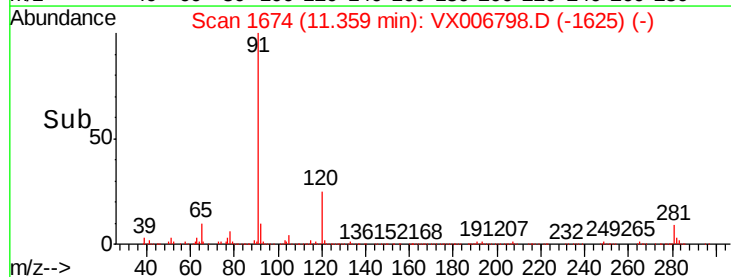
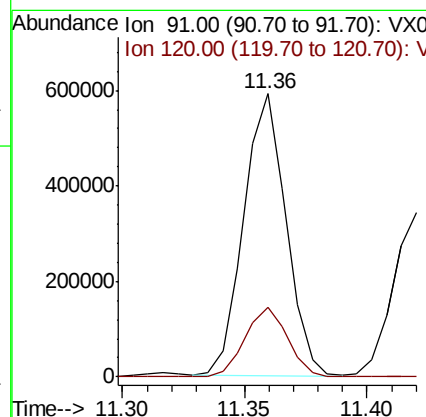
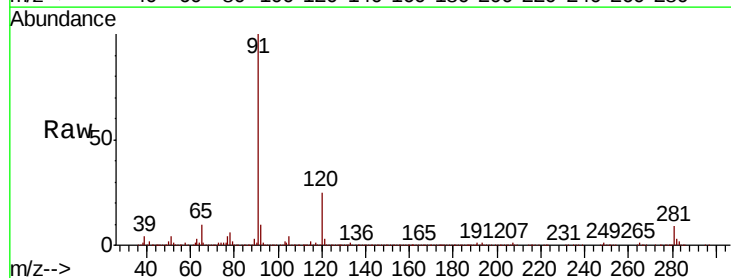
RT: 11.36 min Scan# 1674

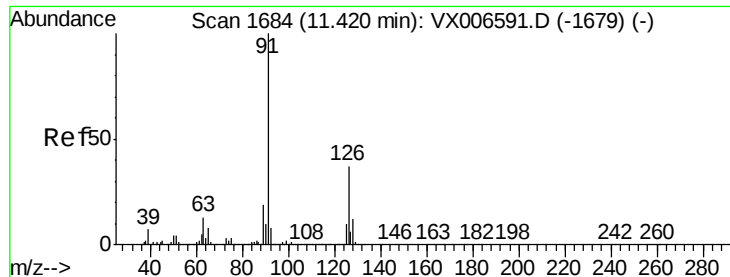
Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.7	38.0





#79

2-Chlorotoluene

Concen: 19.607 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion: 91 Resp: 417334

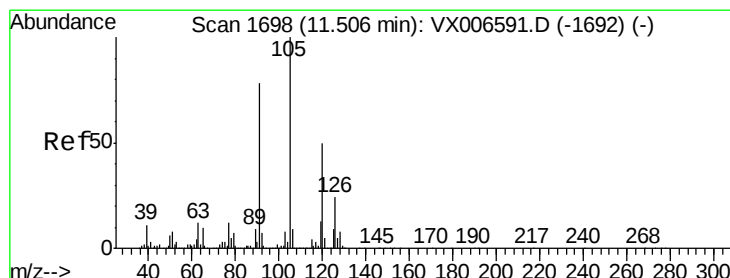
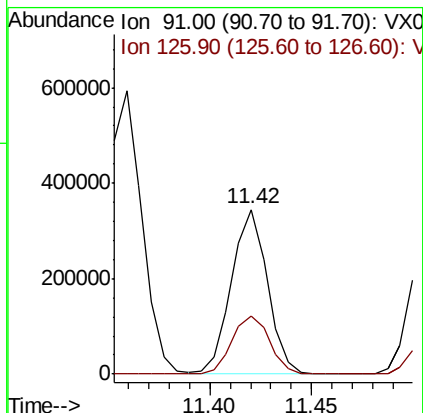
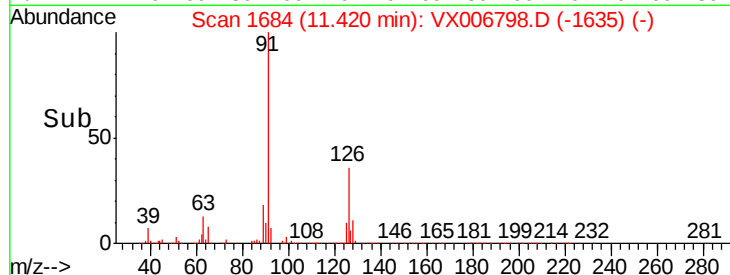
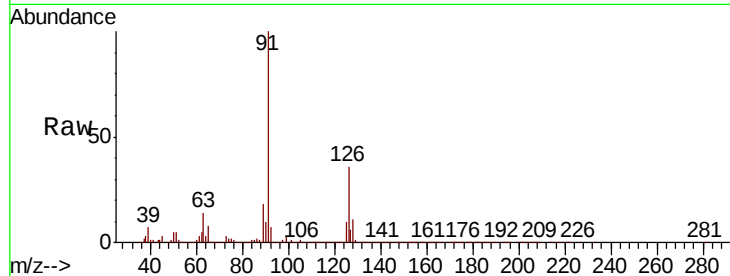
Ion Ratio Lower Upper

91 100

126 37.1 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.266 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006798.D

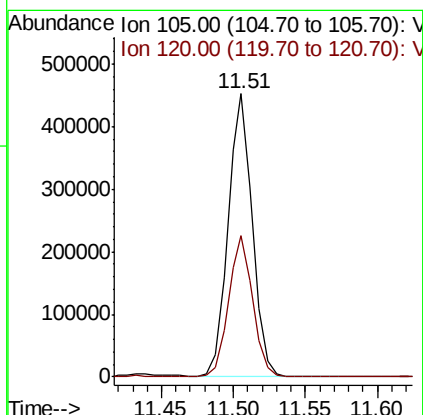
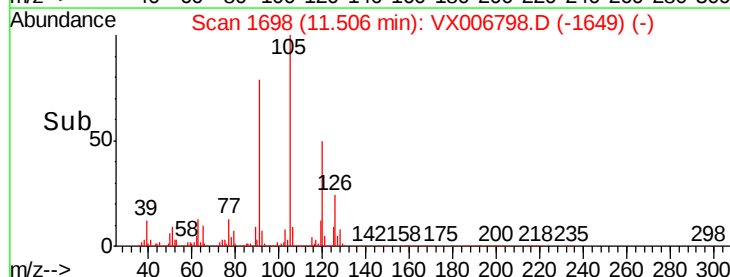
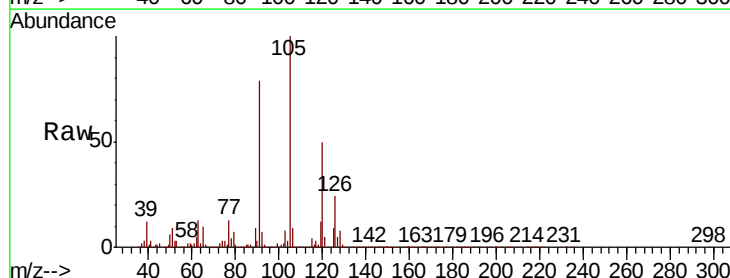
Acq: 24 Dec 2018 16:38

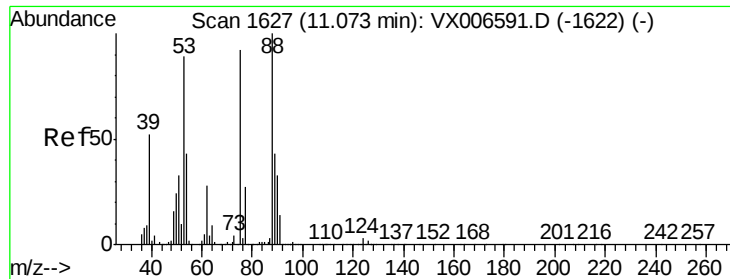
Tgt Ion: 105 Resp: 532411

Ion Ratio Lower Upper

105 100

120 49.8 25.1 75.3





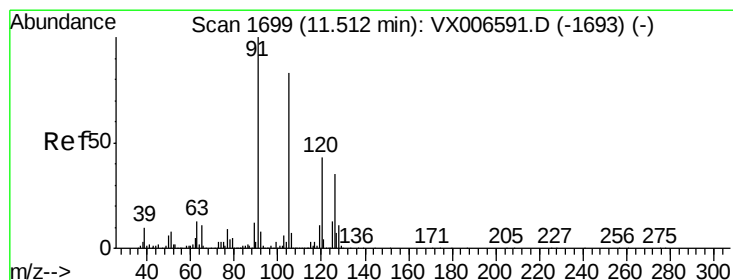
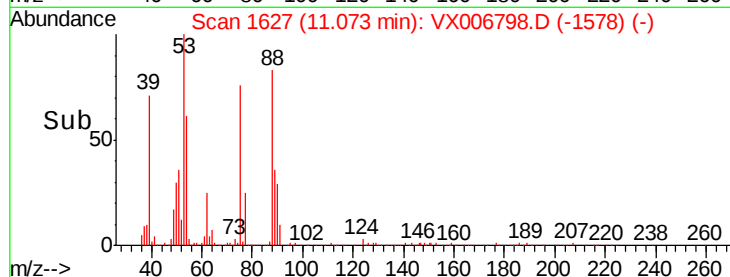
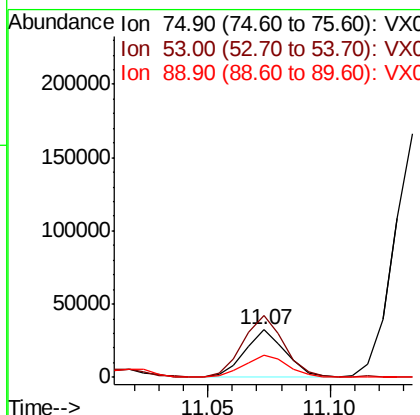
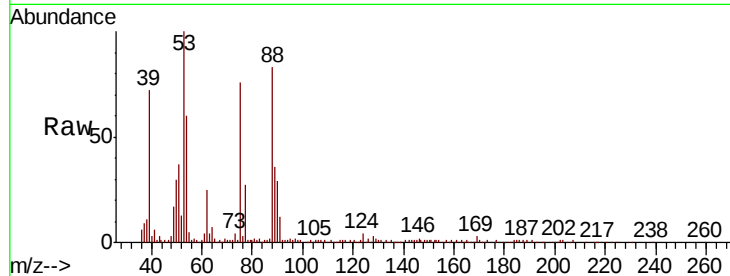
#81
trans-1,4-Dichloro-2-butene
Concen: 16.043 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion: 75 Resp: 36736
Ion Ratio Lower Upper
75 100
53 135.7 79.7 119.5#
89 52.7 38.0 57.0

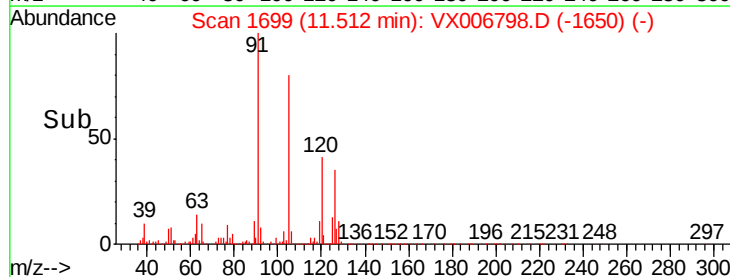
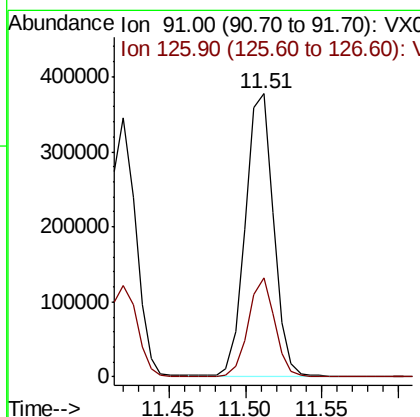
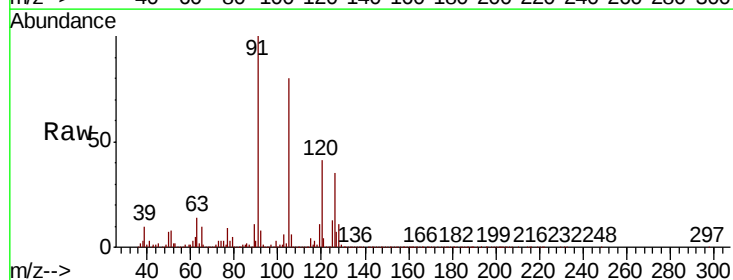
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#82
4-Chlorotoluene
Concen: 19.728 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion: 91 Resp: 481681
Ion Ratio Lower Upper
91 100
126 32.7 16.3 48.9





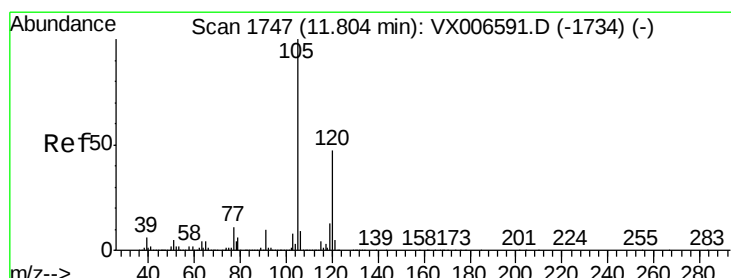
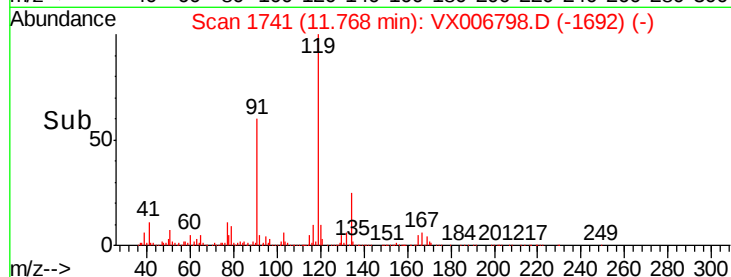
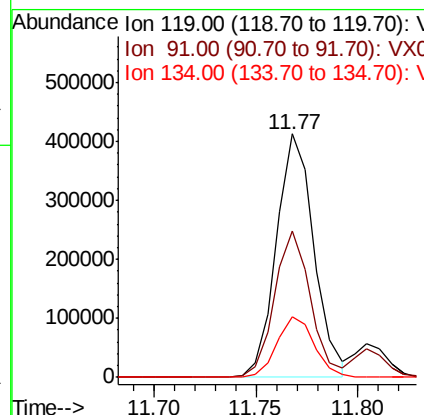
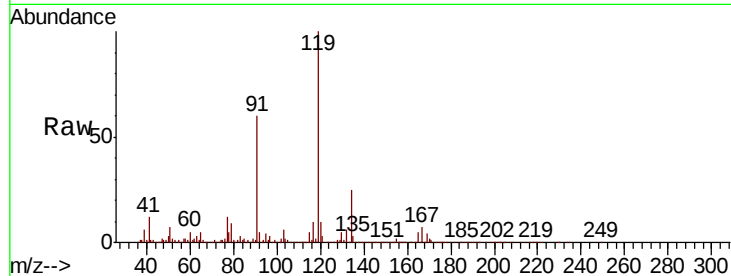
#83
 tert-Butylbenzene
 Concen: 20.126 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006798.D
 Acq: 24 Dec 2018 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.5	27.7	83.1
134	24.9	11.9	35.5

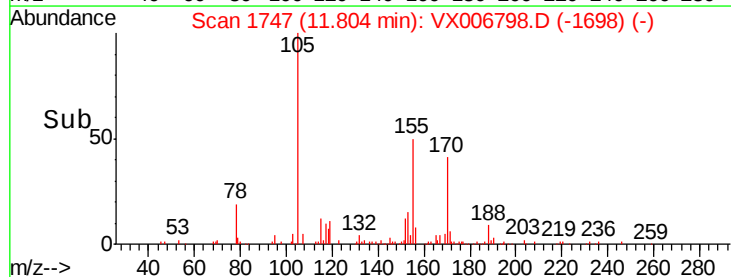
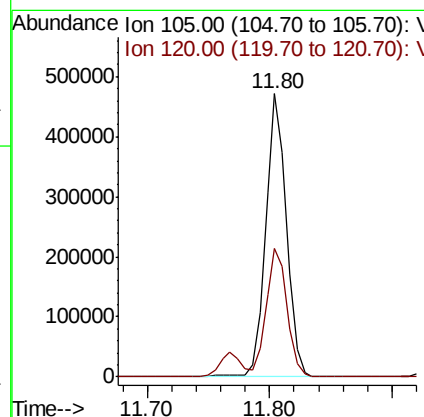
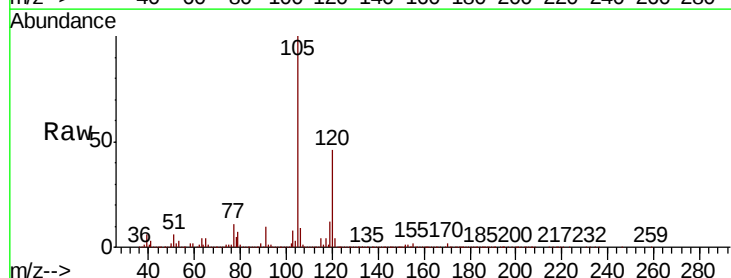
Manual Integrations
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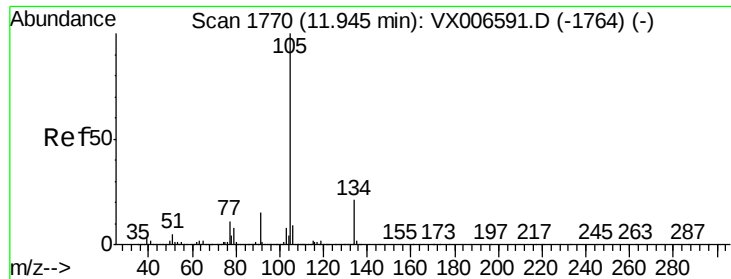
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.027 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006798.D
 Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.6





#85

sec-Butylbenzene

Concen: 19.879 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

ClientSampleId :

VX1224MBSD01

Tot Ion:105 Resp: 640855

Ion Ratio Lower Upper

105 100

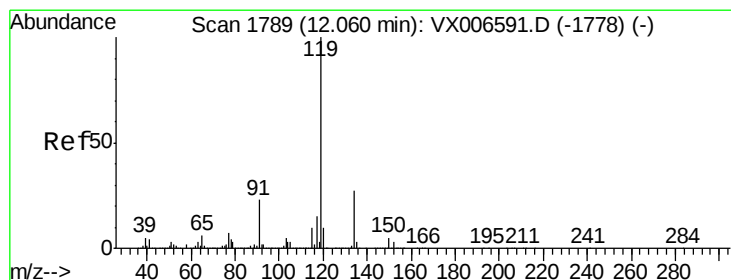
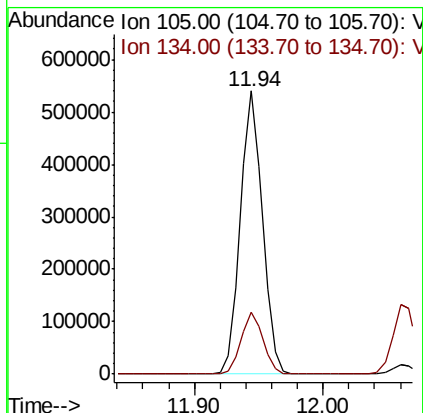
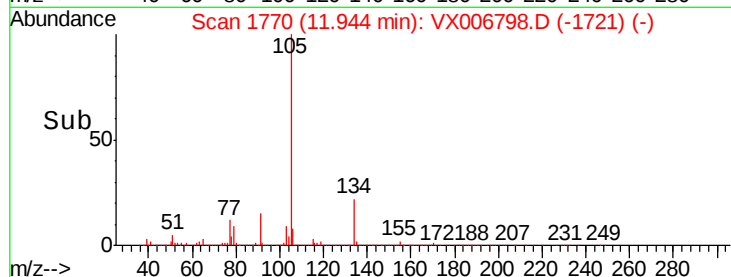
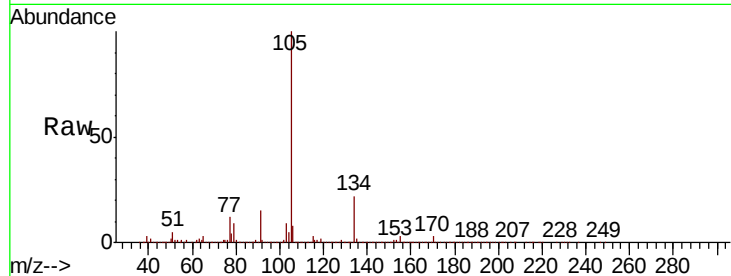
134 21.7 10.7 31.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.262 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

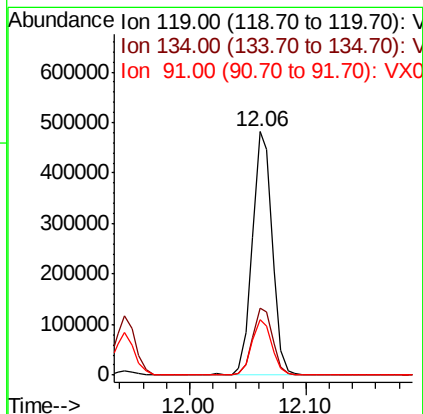
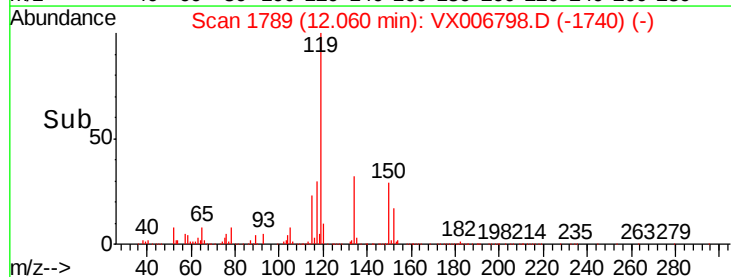
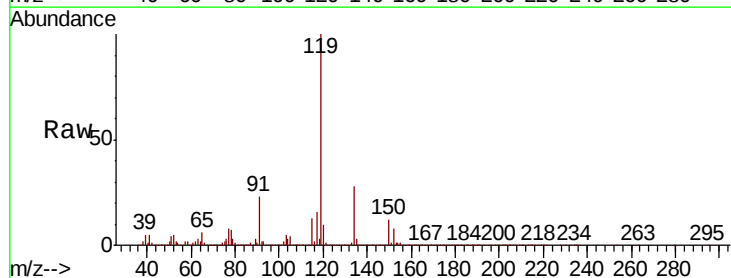
Tgt Ion:119 Resp: 574194

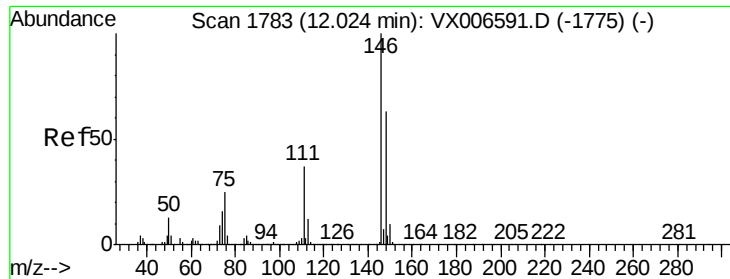
Ion Ratio Lower Upper

119 100

134 28.0 14.0 41.9

91 22.8 11.3 33.9





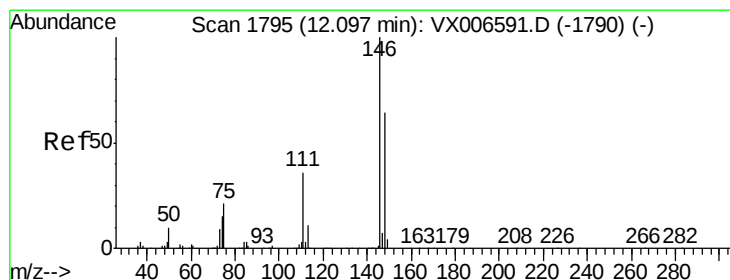
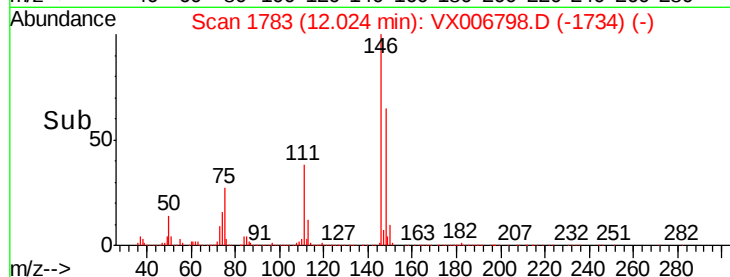
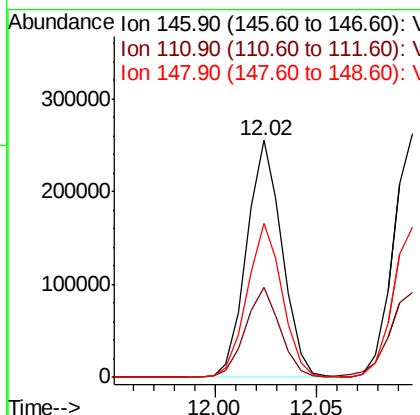
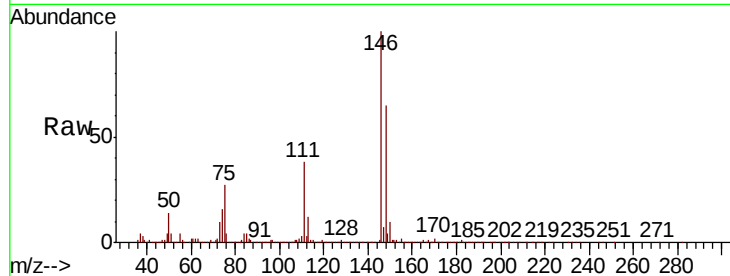
#87
 1,3-Dichlorobenzene
 Concen: 19.790 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006798.D
 Acq: 24 Dec 2018 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	64.7	31.8	95.3

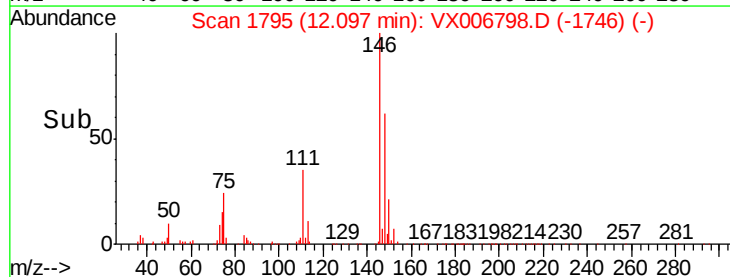
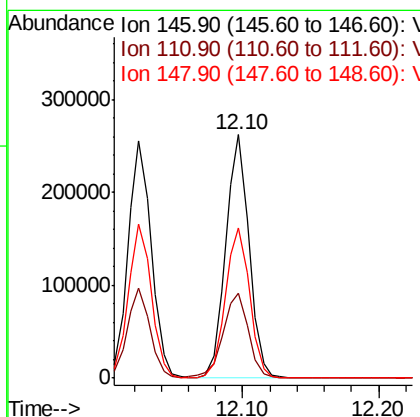
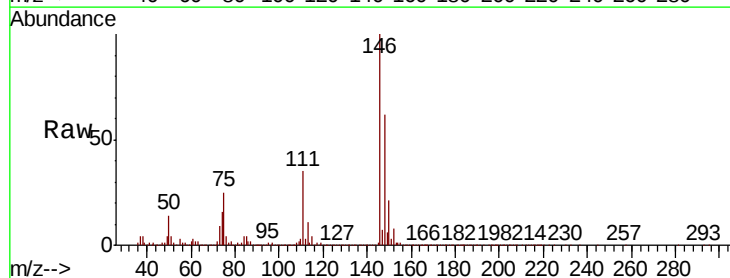
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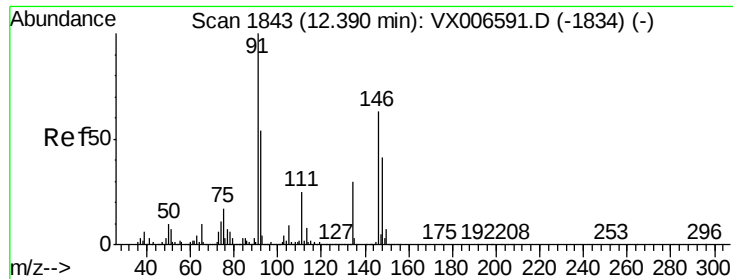
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#88
 1,4-Dichlorobenzene
 Concen: 19.491 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006798.D
 Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.1	54.1
148	63.9	31.9	95.9





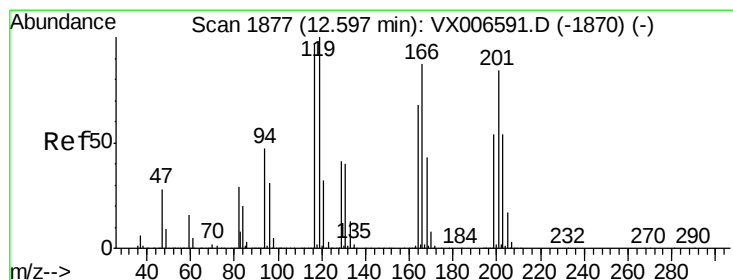
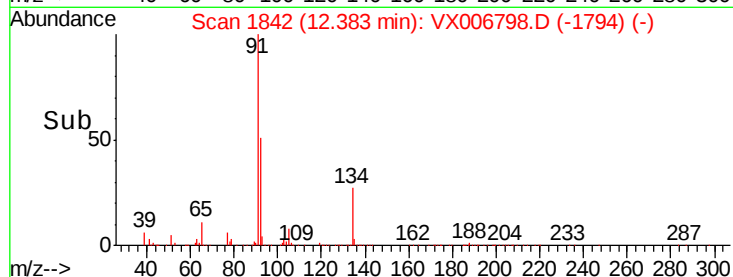
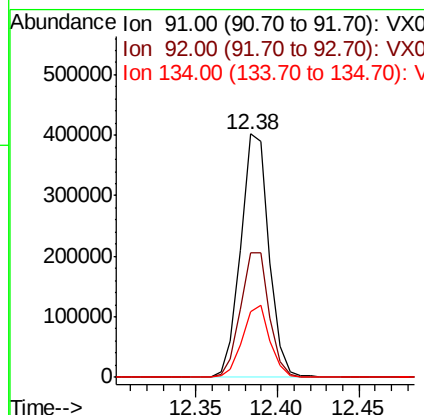
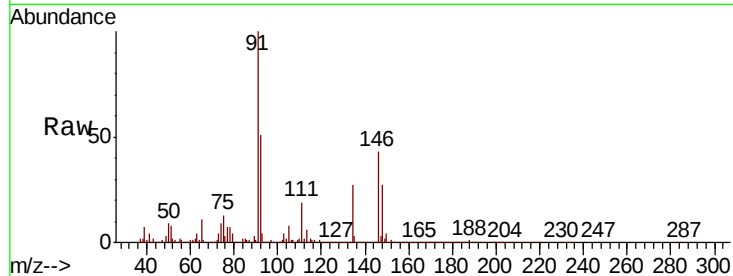
#89
n-Butylbenzene
Concen: 20.010 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	26.8	80.4	
134	28.7	14.4	43.2	

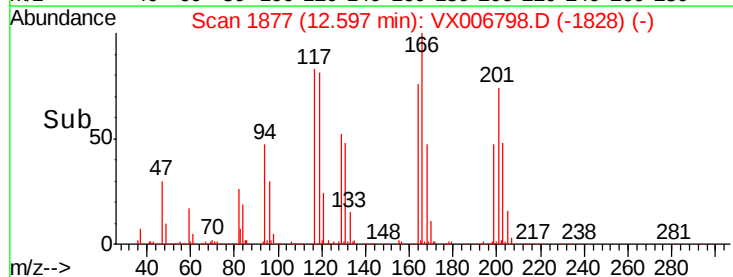
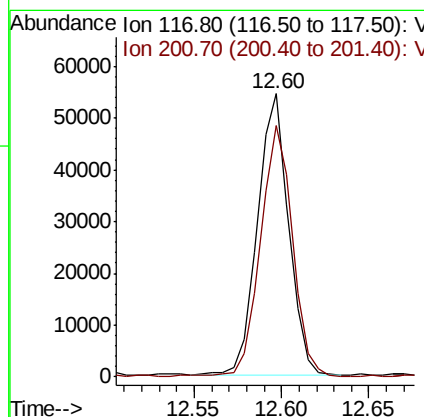
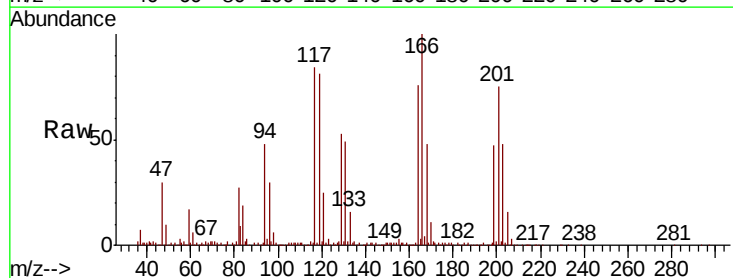
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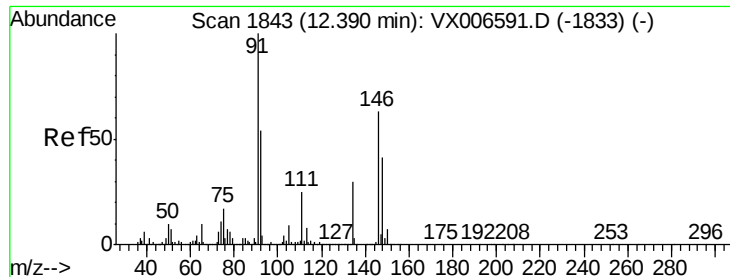
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#90
Hexachloroethane
Concen: 17.555 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	91.4	42.9	128.7	





#91

1,2-Dichlorobenzene

Concen: 20.034 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Instrument :

MSVOA_X

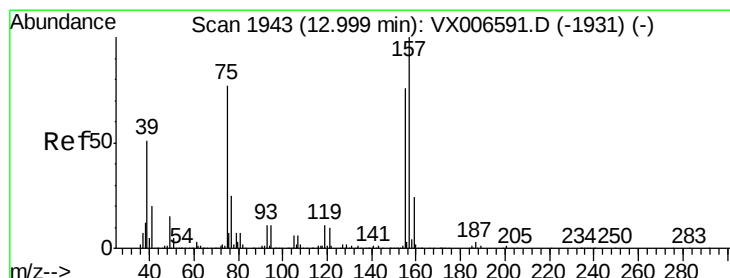
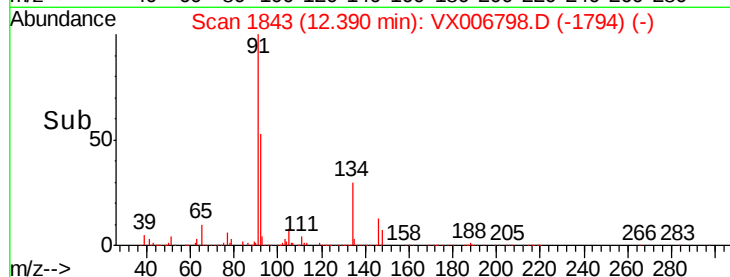
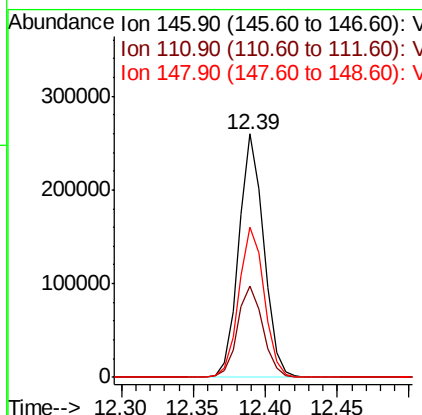
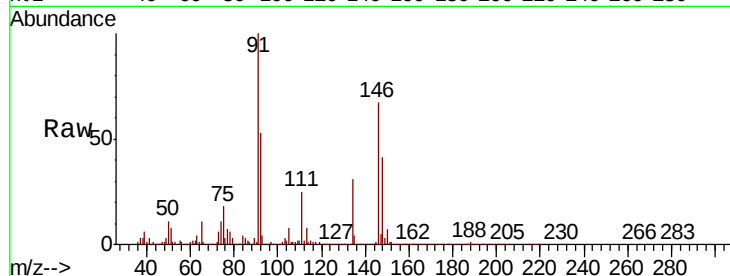
ClientSampleId :

VX1224MBSD01

Tot Ion:	146	Resp:	311464
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.4	58.2
148	63.1	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.646 ug/l

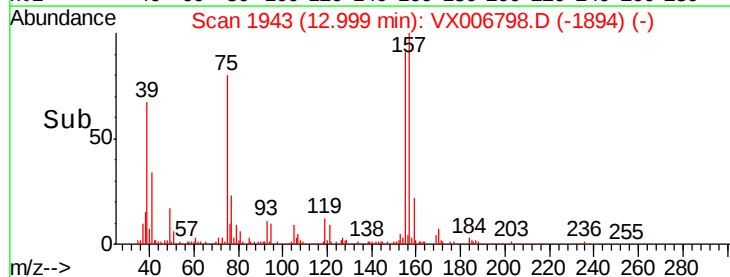
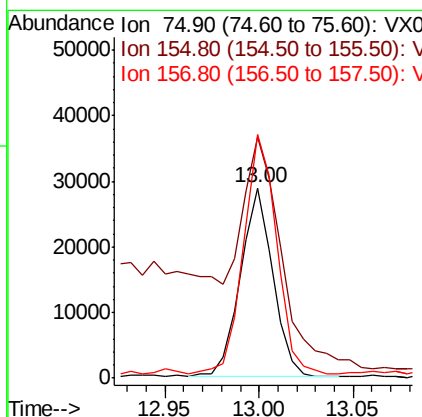
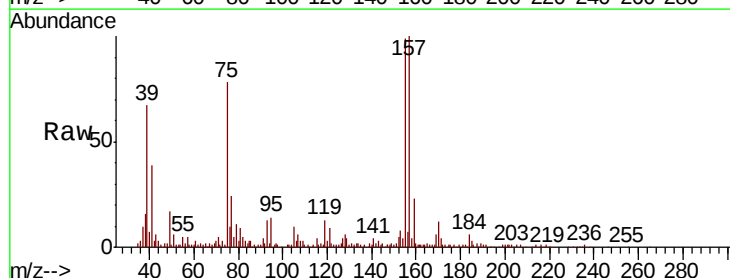
RT: 13.00 min Scan# 1943

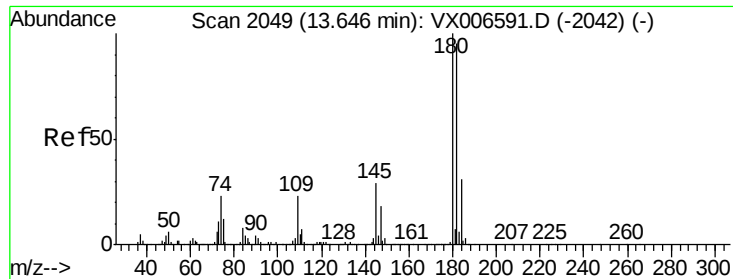
Delta R.T. -0.00 min

Lab File: VX006798.D

Acq: 24 Dec 2018 16:38

Tgt Ion:	75	Resp:	34635
Ion Ratio	Lower	Upper	
75	100		
155	163.7	50.6	151.8#
157	129.4	64.6	193.8





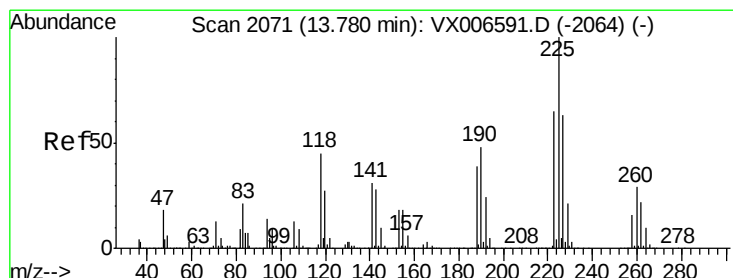
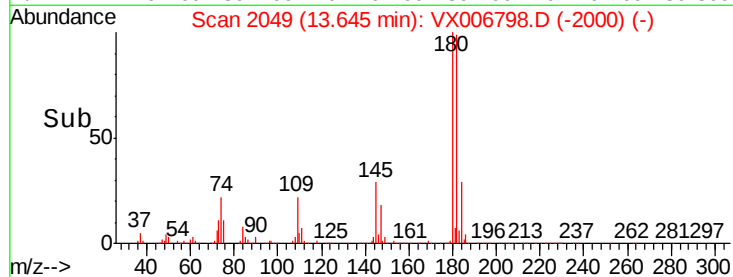
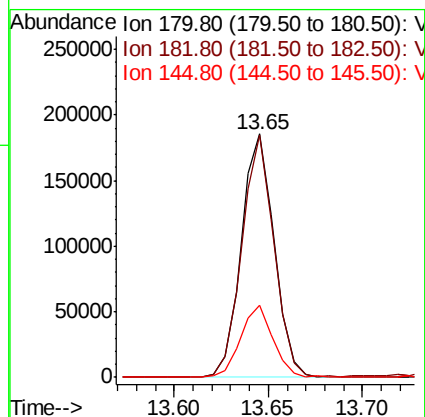
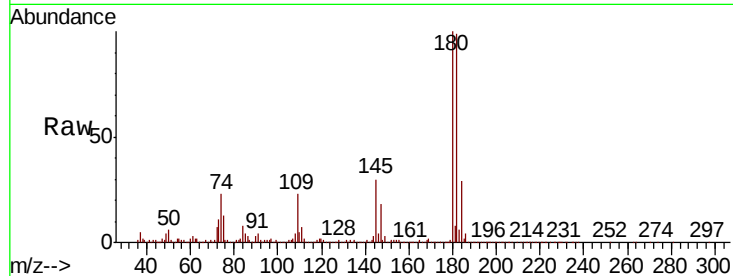
#93
 1,2,4-Trichlorobenzene
 Concen: 20.779 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006798.D
 Acq: 24 Dec 2018 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1224MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	222829		
182	97.5	47.3	142.0	
145	29.1	14.8	44.3	

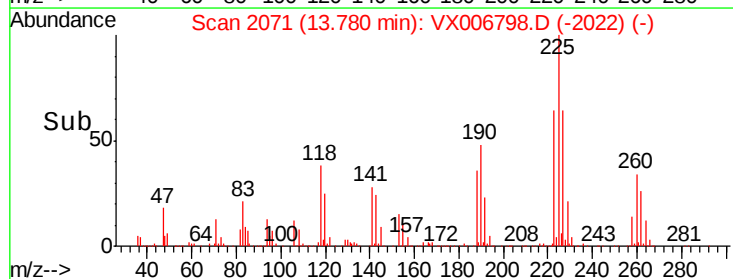
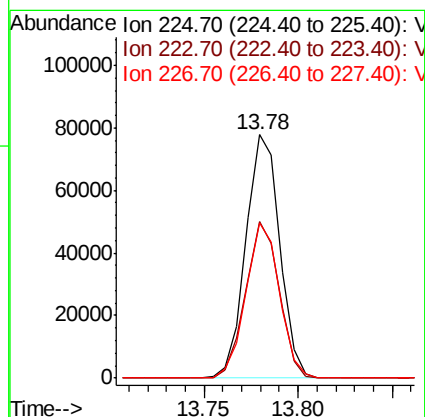
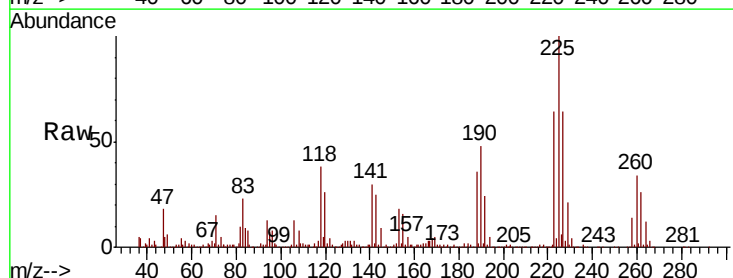
Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 9:57:46 AM



#94
 Hexachlorobutadiene
 Concen: 19.137 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006798.D
 Acq: 24 Dec 2018 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96731		
223	64.2	32.1	96.3	
227	63.5	32.3	96.8	





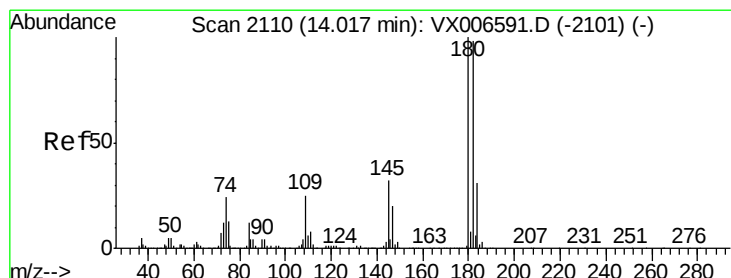
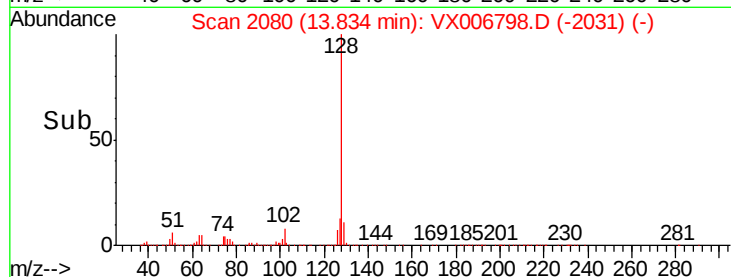
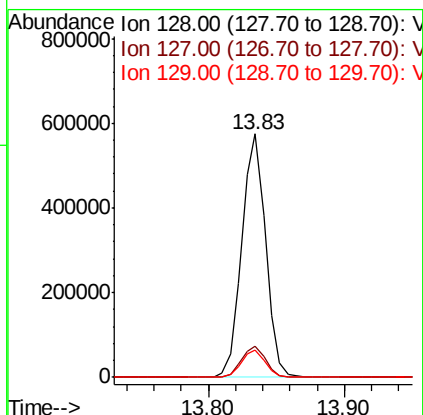
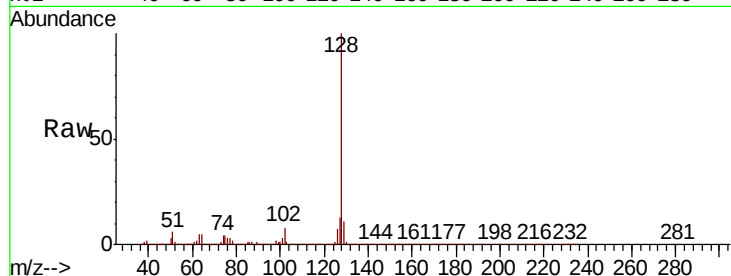
#95
Naphthalene
Concen: 20.338 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Instrument :
MSVOA_X
ClientSampleId :
VX1224MBSD01

Tot Ion:	128	Resp:	696097
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/26/2018 9:57:46 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.187 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX006798.D
Acq: 24 Dec 2018 16:38

Tgt Ion:	180	Resp:	223515
Ion Ratio	Lower	Upper	
180	100		
182	94.0	48.5	145.5
145	30.3	16.0	47.9

