

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011119\
 Data File : VX007027.D
 Acq On : 11 Jan 2019 21:16
 Operator : JC/SP
 Sample : VX0111MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0111MBS01

Manual Integrations
 APPROVED

MMDadoda
 1/14/2019 10:40:31 AM

Quant Time: Jan 11 23:11:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	493184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	752238	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	684495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	343600	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	268410	52.08	ug/l	0.00
Spiked Amount						
			Recovery	=	104.16%	
35) Dibromofluoromethane	5.50	113	238529	49.52	ug/l	0.00
Spiked Amount						
			Recovery	=	99.04%	
50) Toluene-d8	8.71	98	900318	51.06	ug/l	0.00
Spiked Amount						
			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.13	95	322064	52.39	ug/l	0.00
Spiked Amount						
			Recovery	=	104.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	88571	21.869	ug/l	99
3) Chloromethane	1.33	50	102422	21.724	ug/l	100
4) Vinyl Chloride	1.41	62	106044	20.909	ug/l	99
5) Bromomethane	1.64	94	109453	20.200	ug/l	96
6) Chloroethane	1.72	64	69501	19.626	ug/l	94
7) Trichlorofluoromethane	1.93	101	168655	20.581	ug/l	95
8) Diethyl Ether	2.19	74	67415	20.678	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	96944	19.760	ug/l	98
10) Methyl Iodide	2.51	142	148330	22.414	ug/l	99
11) Tert butyl alcohol	3.07	59	129019	106.115	ug/l	99
12) 1,1-Dichloroethene	2.37	96	92681	20.447	ug/l	97
13) Acrolein	2.30	56	44051	86.055	ug/l	100
14) Allyl chloride	2.73	41	153418	19.749	ug/l	99
15) Acrylonitrile	3.15	53	296640	106.280	ug/l	100
16) Acetone	2.45	43	252974	99.281	ug/l	98
17) Carbon Disulfide	2.57	76	201394	17.257	ug/l	99
18) Methyl Acetate	2.78	43	165455	22.422	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	326537	20.755	ug/l	98
20) Methylene Chloride	2.86	84	105787	21.505	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	100367	19.870	ug/l	98
22) Diisopropyl ether	3.87	45	301872	20.670	ug/l	95
23) Vinyl Acetate	3.82	43	1219913	99.051	ug/l	98
24) 1,1-Dichloroethane	3.70	63	165573	20.275	ug/l	99
25) 2-Butanone	4.70	43	373859	102.542	ug/l	100
26) 2,2-Dichloropropane	4.58	77	100144	15.948	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	110450	19.824	ug/l	99
28) Bromochloromethane	5.02	49	70182	19.616	ug/l	98
29) Tetrahydrofuran	5.15	42	245757	103.721	ug/l	97
30) Chloroform	5.21	83	174928	20.460	ug/l	100
31) Cyclohexane	5.58	56	141720	19.499	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	144481	19.937	ug/l	98
36) 1,1-Dichloropropene	5.79	75	126698	19.373	ug/l	98
37) Ethyl Acetate	4.85	43	141167	20.133	ug/l	98
38) Carbon Tetrachloride	5.78	117	121582	18.477	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	152866	18.334	ug/l	95
40) Benzene	6.14	78	397908	19.939	ug/l	95
41) Methacrylonitrile	5.06	41	77247	19.124	ug/l	98
42) 1,2-Dichloroethane	6.20	62	138482	20.082	ug/l	99
43) Isopropyl Acetate	6.46	43	220029	19.894	ug/l	98
44) Trichloroethene	7.21	130	113391	18.962	ug/l	97
45) 1,2-Dichloropropane	7.51	63	99432	19.819	ug/l	97
46) Dibromomethane	7.66	93	69802	19.797	ug/l	99
47) Bromodichloromethane	7.90	83	117333	19.550	ug/l	96
48) Methyl methacrylate	7.77	41	113054	19.905	ug/l	98
49) 1,4-Dioxane	7.75	88	54508	415.227	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	746311	105.000	ug/l	98
52) Toluene	8.79	92	257116	20.046	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	118694	17.835	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	134956	18.363	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	106865	20.816	ug/l	95
56) Ethyl methacrylate	9.18	69	152152	20.301	ug/l	93
57) 1,3-Dichloropropane	9.37	76	171836	20.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	399014	103.546	ug/l	99
59) 2-Hexanone	9.49	43	556886	102.814	ug/l	99
60) Dibromochloromethane	9.58	129	97530	19.564	ug/l	97
61) 1,2-Dibromoethane	9.67	107	114009	20.172	ug/l	100
64) Tetrachloroethene	9.34	164	113319	19.122	ug/l	96
65) Chlorobenzene	10.14	112	299528	20.063	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	100671	20.045	ug/l	98
67) Ethyl Benzene	10.25	91	483676	19.625	ug/l	99
68) m/p-Xylenes	10.36	106	385877	39.739	ug/l	99
69) o-Xylene	10.70	106	188934	19.951	ug/l	97
70) Styrene	10.71	104	302877	20.194	ug/l	99
71) Bromoform	10.86	173	68430	18.517	ug/l #	99
73) Isopropylbenzene	11.02	105	496391	20.488	ug/l	100
74) N-amyl acetate	10.90	43	190367	19.515	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	157034	20.416	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	141791m	20.364	ug/l	
77) Bromobenzene	11.26	156	136588	20.460	ug/l	100
78) n-propylbenzene	11.36	91	544403	20.468	ug/l	99
79) 2-Chlorotoluene	11.42	91	325572	20.334	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	408509	20.178	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	32077	16.634	ug/l #	85
82) 4-Chlorotoluene	11.51	91	371423	20.036	ug/l	99
83) tert-Butylbenzene	11.77	119	396407	19.625	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	419268	20.595	ug/l	100
85) sec-Butylbenzene	11.94	105	490357	20.327	ug/l	100
86) p-Isopropyltoluene	12.06	119	436952	20.251	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	236216	19.576	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	236876	20.804	ug/l	99
89) n-Butylbenzene	12.39	91	356731	19.394	ug/l	99
90) Hexachloroethane	12.60	117	58453	18.890	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	234618	19.703	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	28389	18.662	ug/l	98

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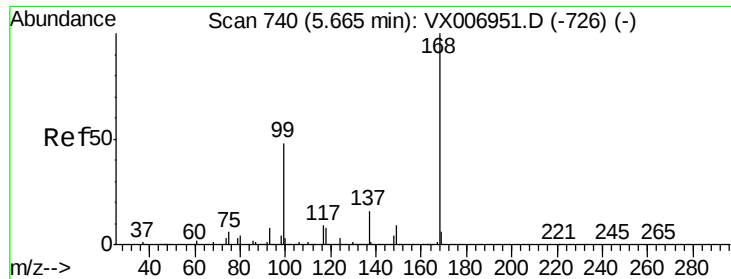
Manual Integrations
APPROVED

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93) 1,2,4-Trichlorobenzene	13.65	180	155063	18.980	ug/l	99
94) Hexachlorobutadiene	13.78	225	68459	18.883	ug/l	99
95) Naphthalene	13.83	128	486830	19.665	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	157374	19.391	ug/l	99

(#) = 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. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBSD01

Tot Ion:168 Resp: 493184

Ion Ratio Lower Upper

168 100

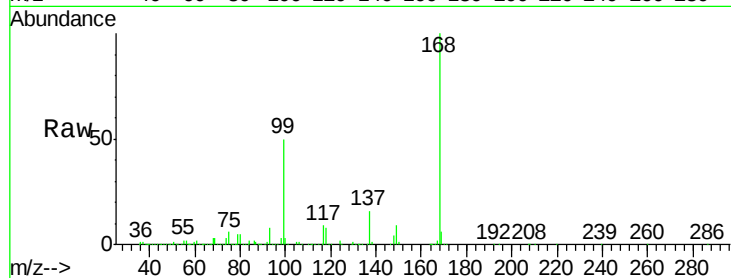
99 49.8 41.8 62.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

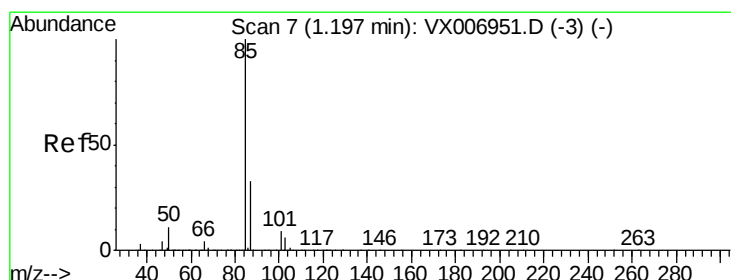
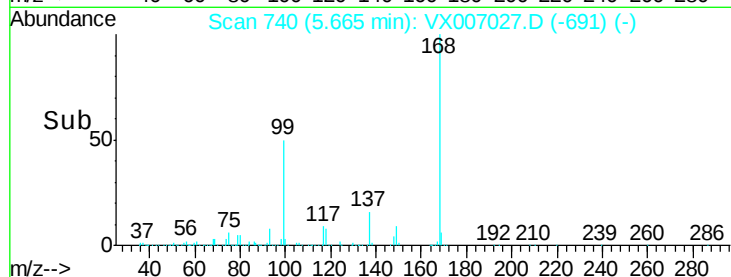
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.869 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX007027.D

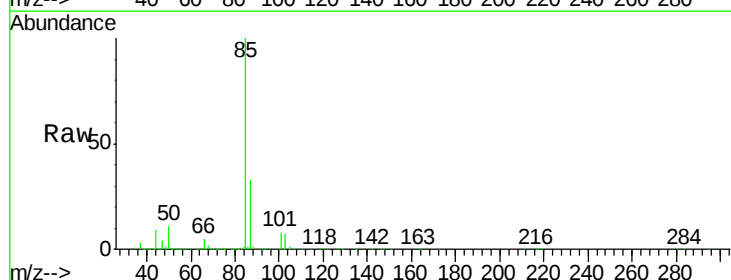
Acq: 11 Jan 2019 21:16

Tgt Ion: 85 Resp: 88571

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

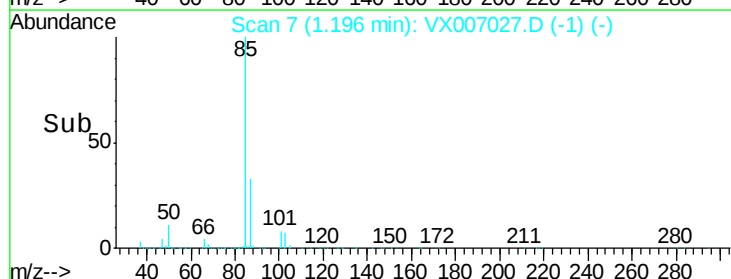
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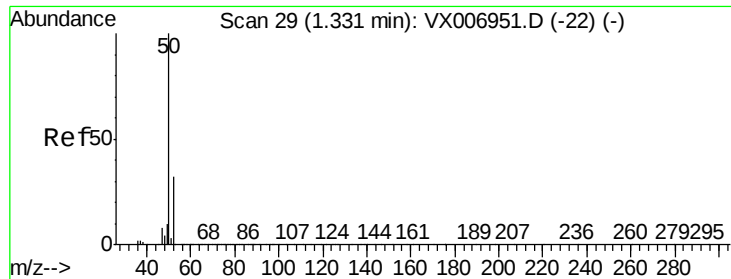
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20000

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Time-->





#3

Chloromethane

Concen: 21.724 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBSD01

Tot Ion: 50 Resp: 102422

Ion Ratio Lower Upper

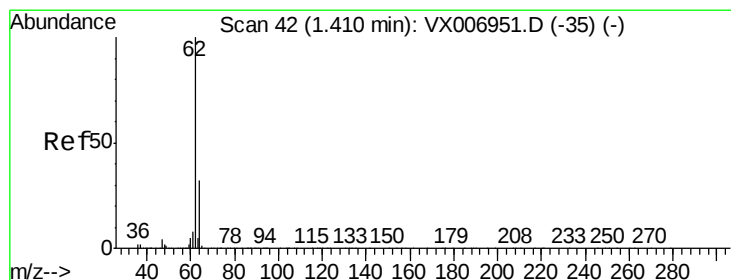
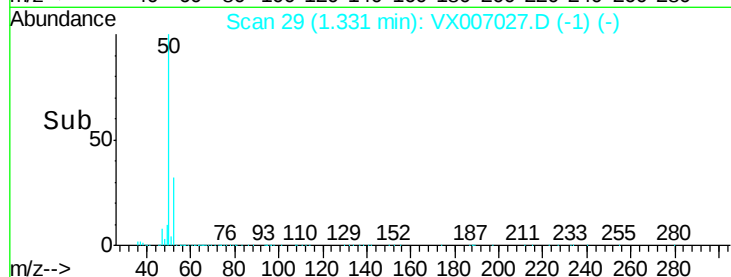
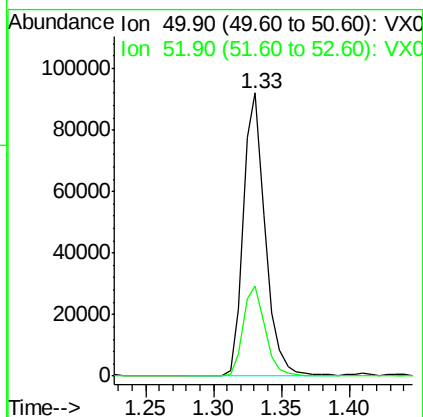
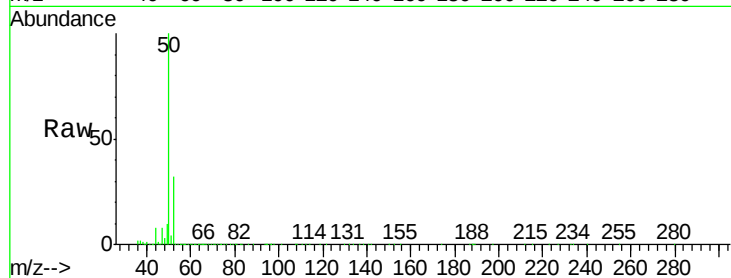
50 100

52 31.5 25.4 38.2

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#4

Vinyl Chloride

Concen: 20.909 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007027.D

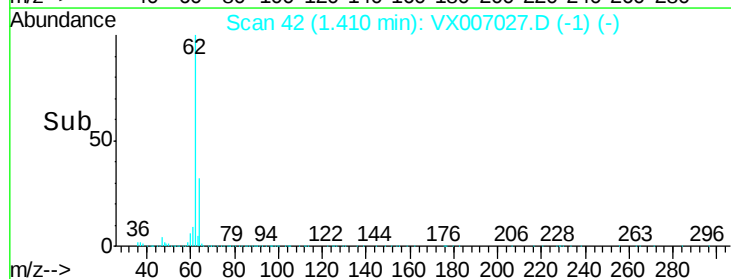
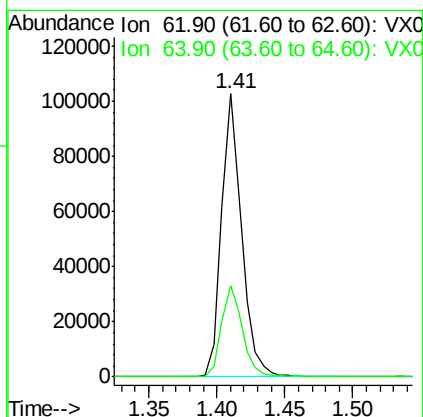
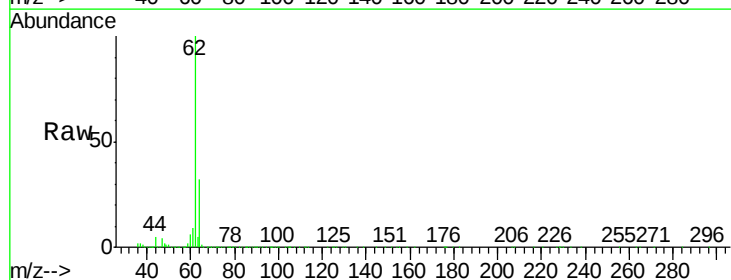
Acq: 11 Jan 2019 21:16

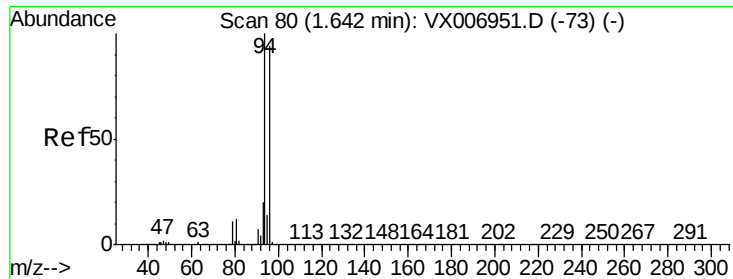
Tgt Ion: 62 Resp: 106044

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7





#5

Bromomethane

Concen: 20.200 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBS01

Tot Ion: 94 Resp: 109453

Ion Ratio Lower Upper

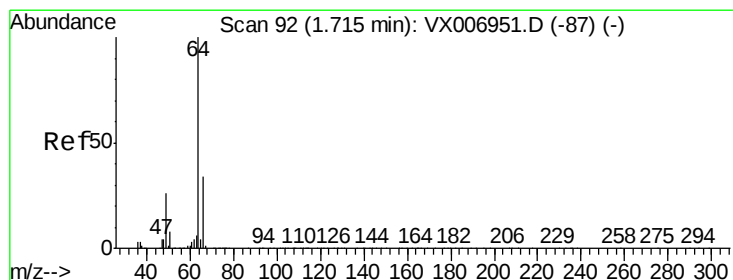
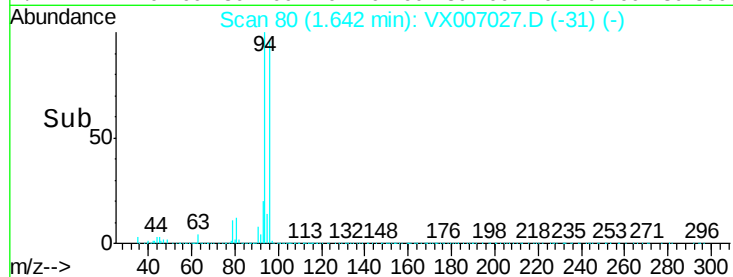
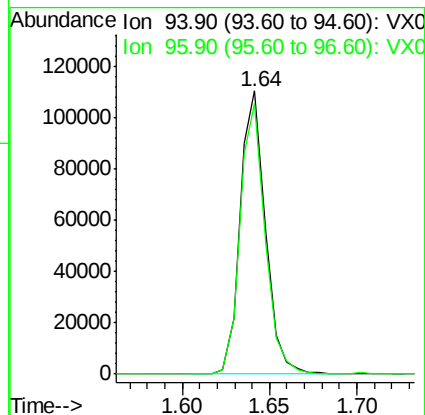
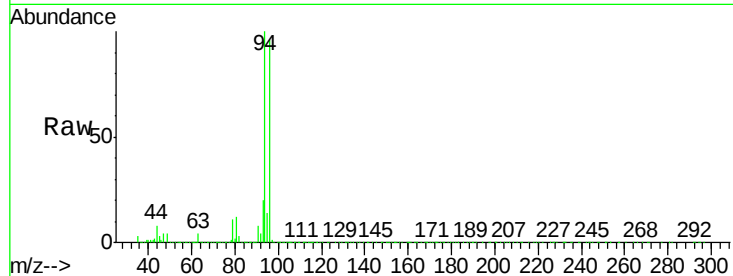
94 100

96 95.7 73.4 110.2

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#6

Chloroethane

Concen: 19.626 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX007027.D

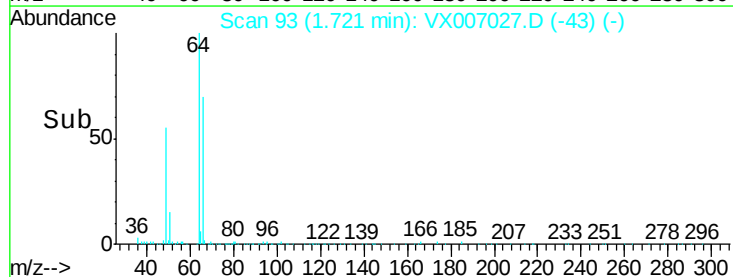
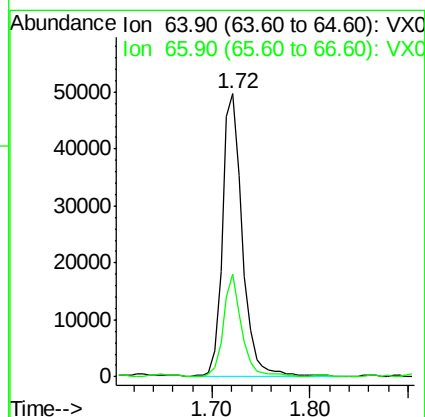
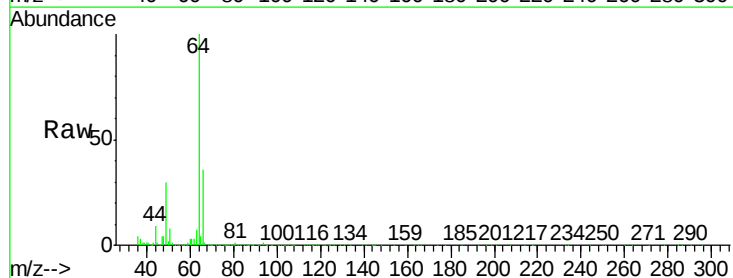
Acq: 11 Jan 2019 21:16

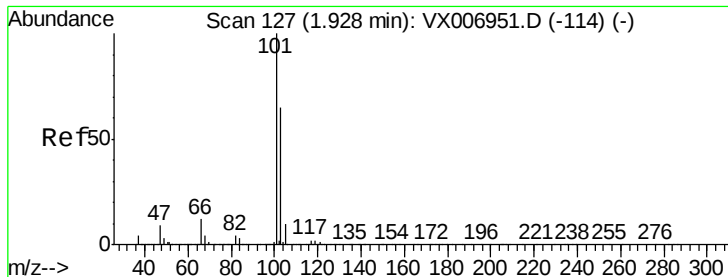
Tgt Ion: 64 Resp: 69501

Ion Ratio Lower Upper

64 100

66 36.2 26.4 39.6





#7

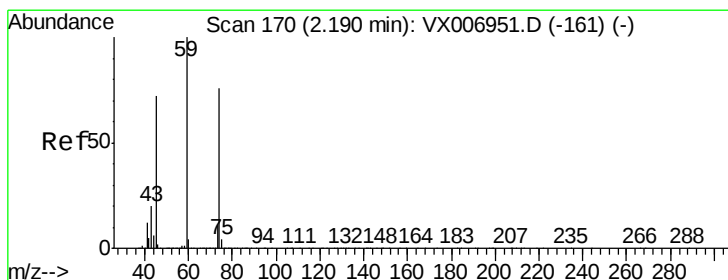
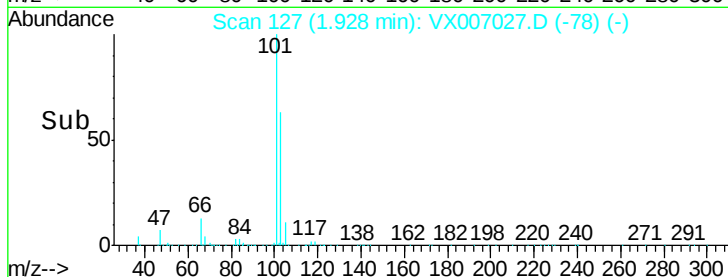
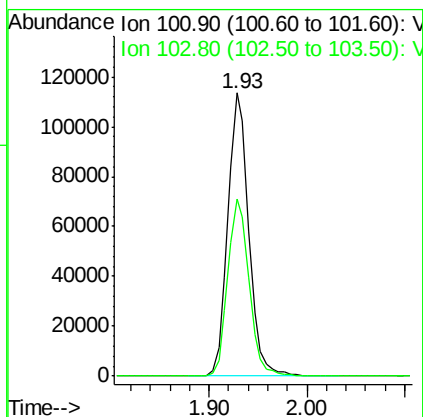
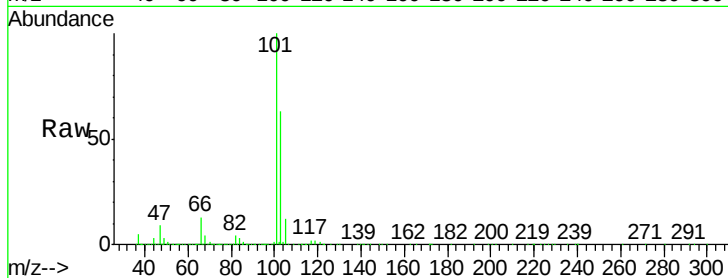
Trichlorofluoromethane
Concen: 20.581 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

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ClientSampleId :
VX0111MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	53.2	79.8

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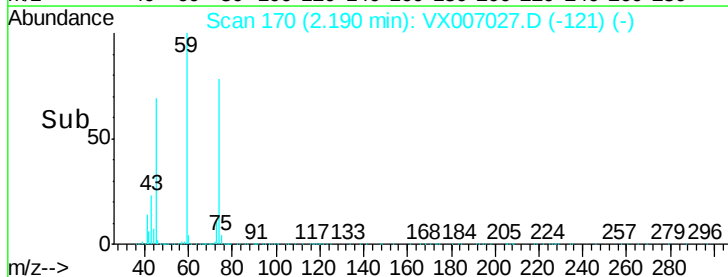
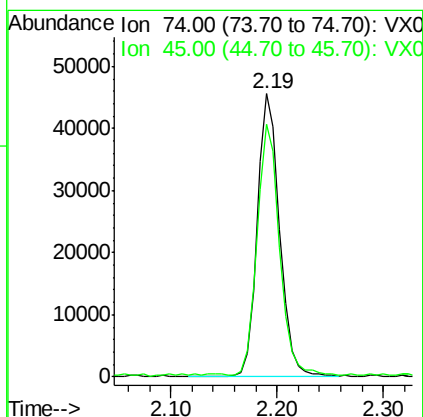
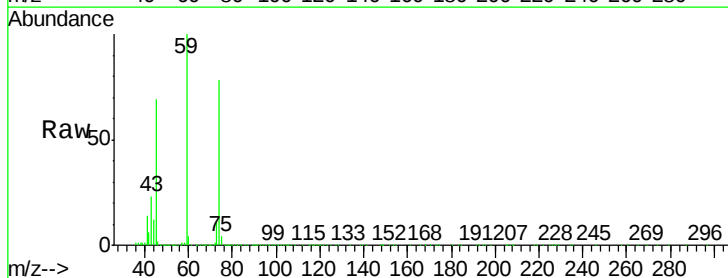
MMDadoda
1/14/2019 10:40:31 AM

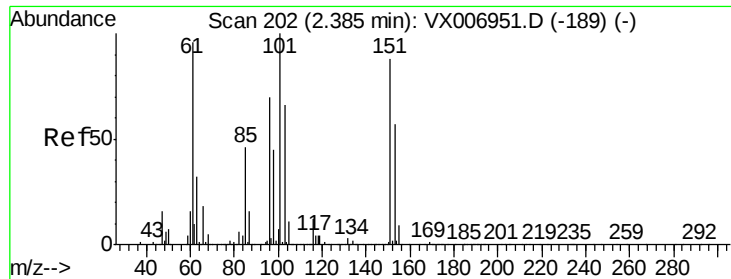


#8

Diethyl Ether
Concen: 20.678 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.8	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.760 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

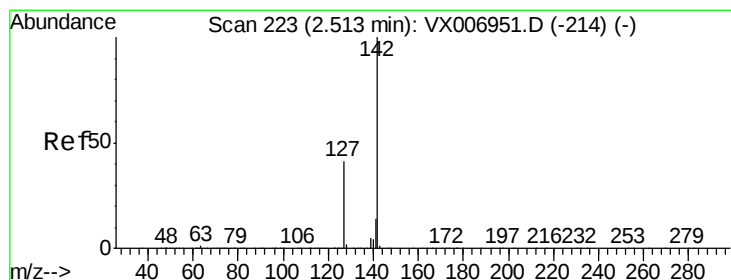
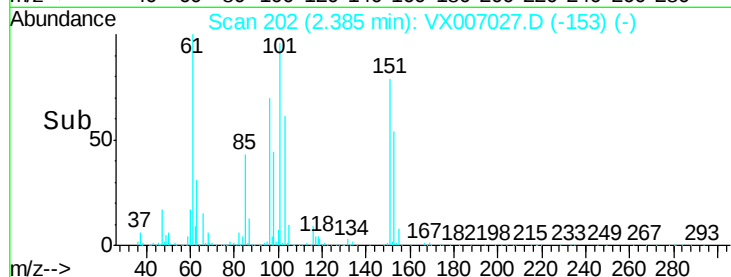
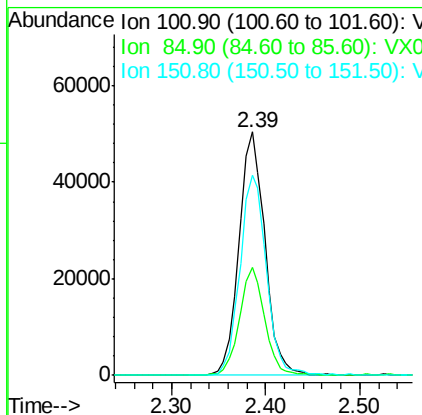
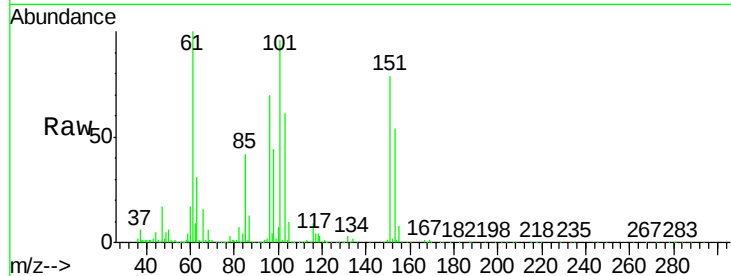
ClientSampleId :

VX0111MBS01

Tot Ion:	101	Resp:	96944
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.1	52.7
151	84.0	68.9	103.3

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#10

Methyl Iodide

Concen: 22.414 ug/l

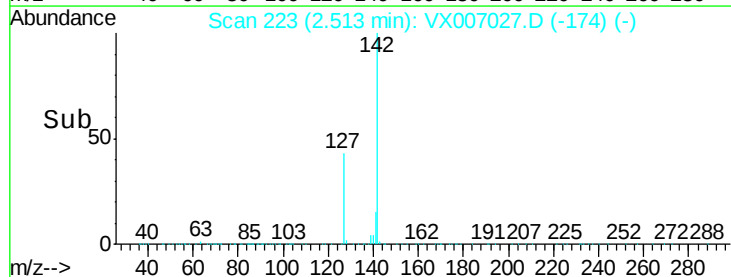
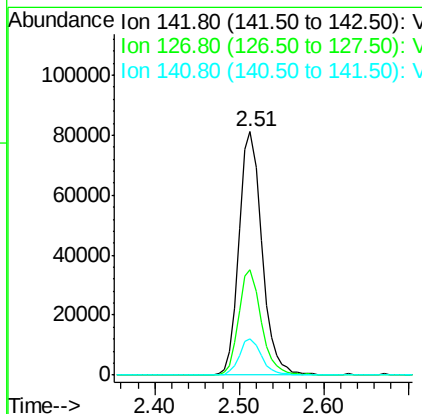
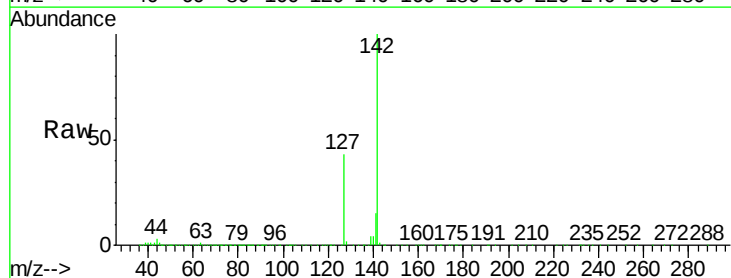
RT: 2.51 min Scan# 223

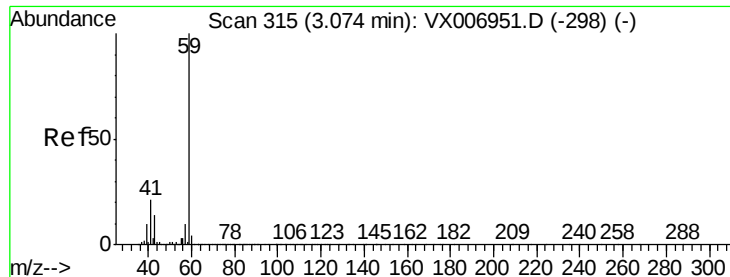
Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Tgt Ion:	142	Resp:	148330
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.9	50.9
141	14.8	11.4	17.0





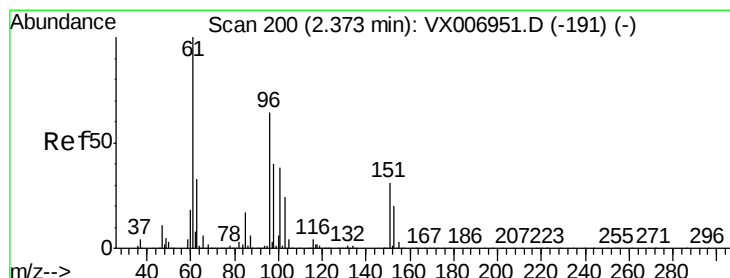
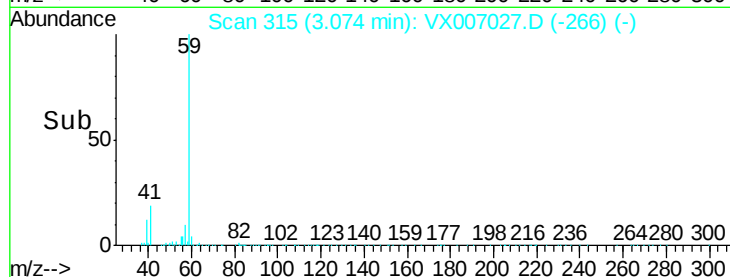
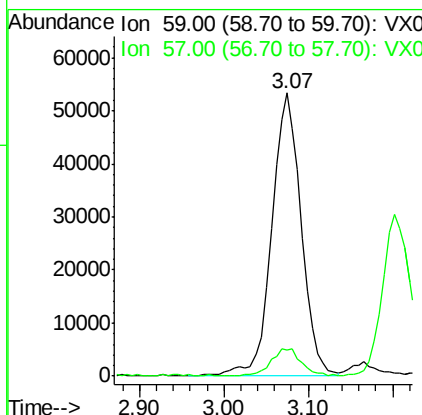
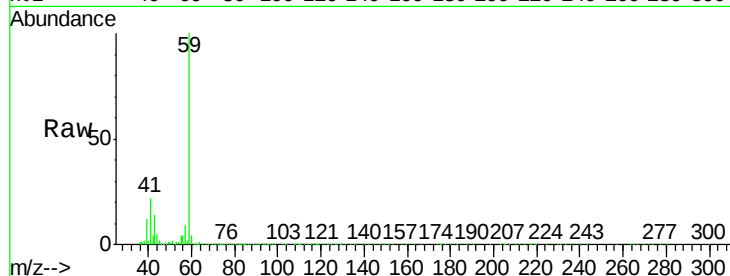
#11
Tert butyl alcohol
Concen: 106.115 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBSD01

Tot Ion: 59 Resp: 129019
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

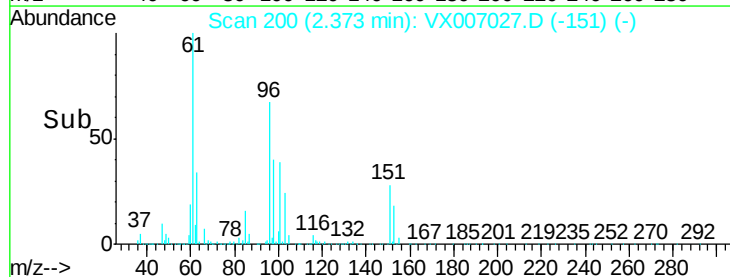
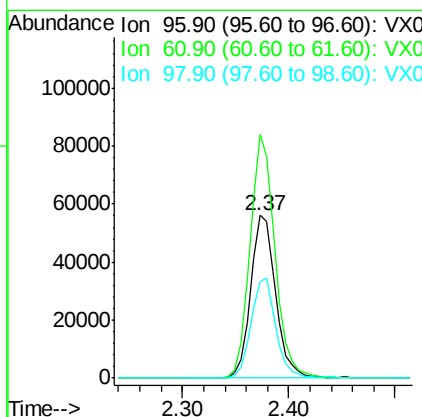
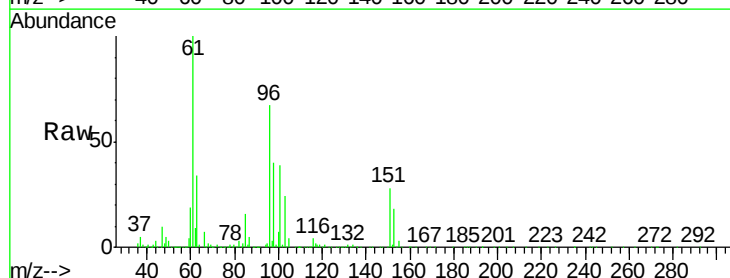
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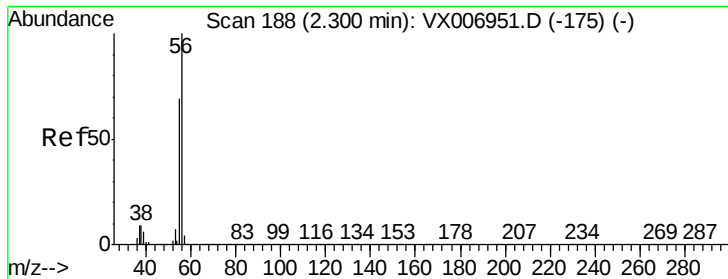
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.447 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion: 96 Resp: 92681
Ion Ratio Lower Upper
96 100
61 149.3 121.4 182.2
98 59.4 51.9 77.9





#13

Acrolein

Concen: 86.055 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBSD01

Tot Ion: 56 Resp: 44051

Ion Ratio Lower Upper

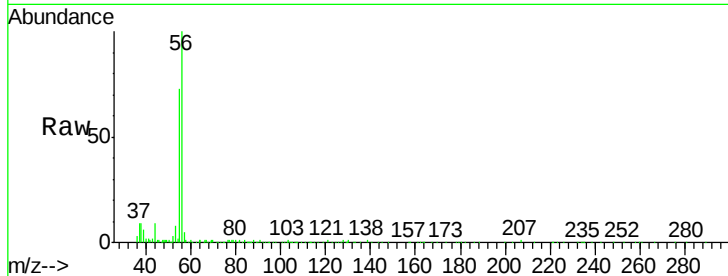
56 100

55 72.6 58.2 87.4

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

30000

25000

20000

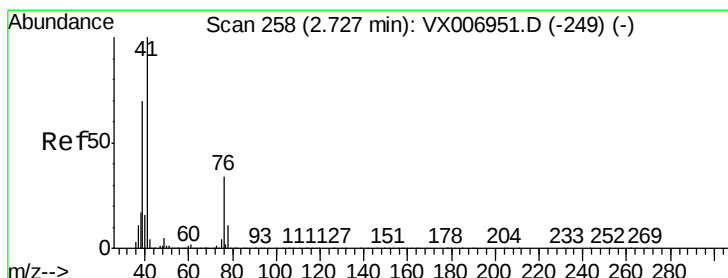
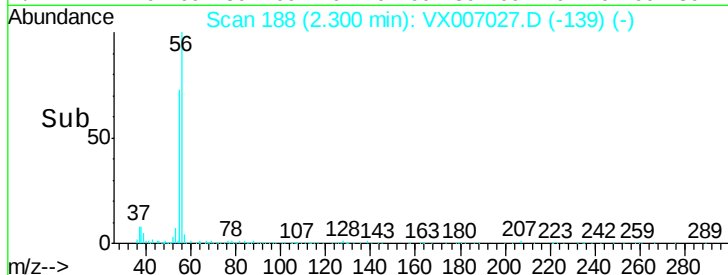
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 19.749 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

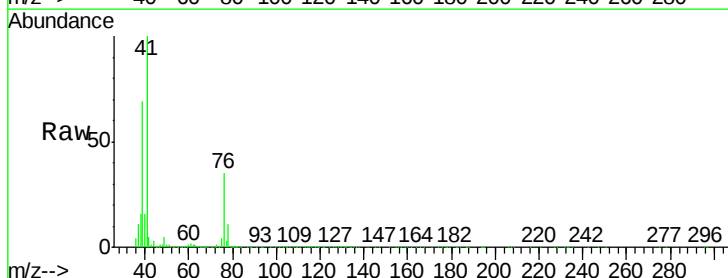
Tgt Ion: 41 Resp: 153418

Ion Ratio Lower Upper

41 100

39 66.6 53.6 80.4

76 32.9 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

100000

80000

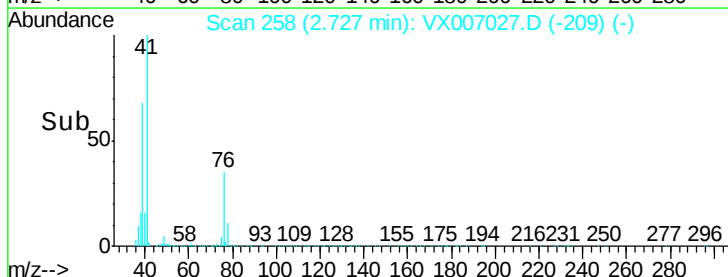
60000

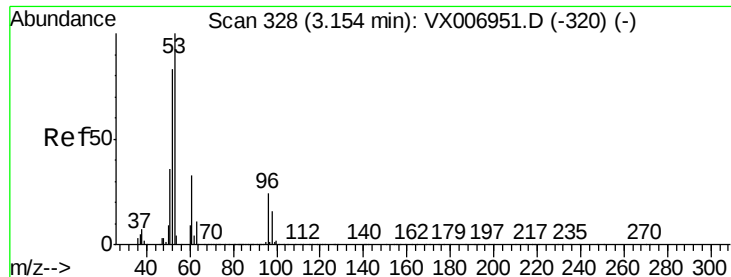
40000

20000

0

Time--> 2.70 2.80





#15

Acrylonitrile

Concen: 106.280 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

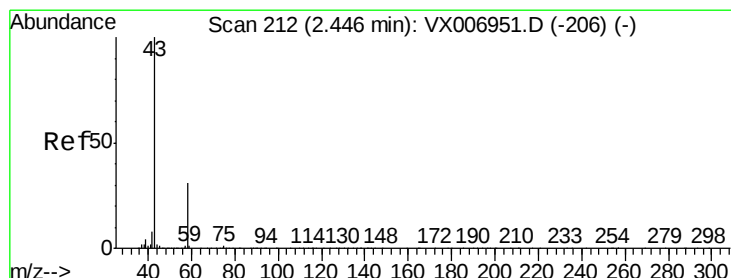
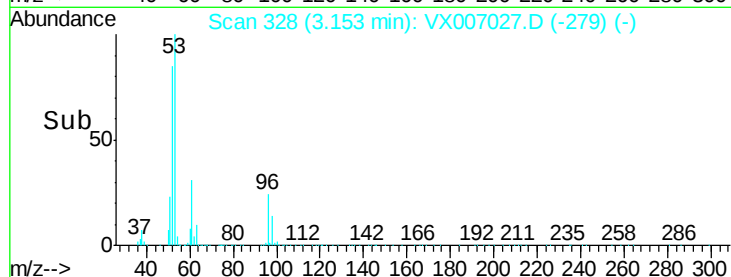
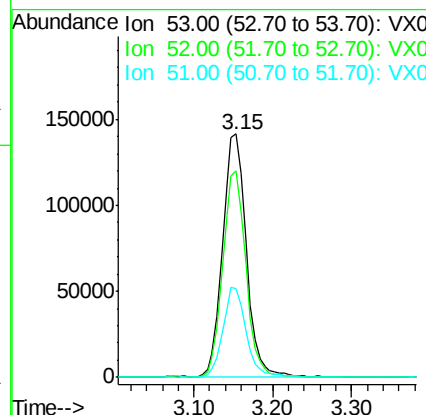
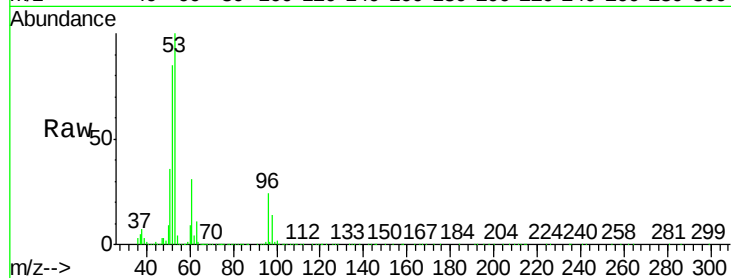
ClientSampleId :

VX0111MBSD01

Tot Ion:	53	Resp:	296640
Ion Ratio		Lower	Upper
53	100		
52	82.7	66.0	99.0
51	36.3	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 99.281 ug/l

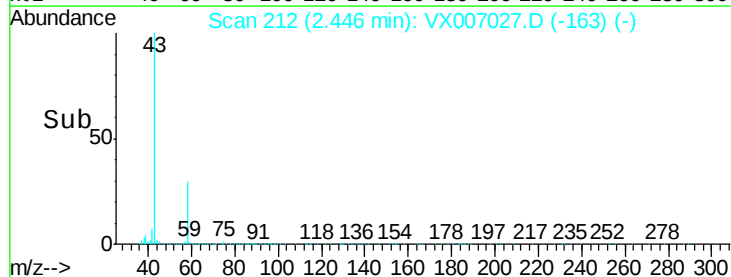
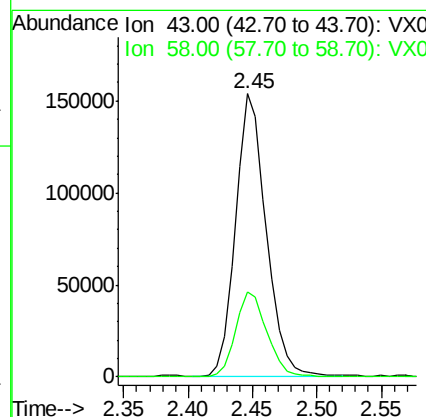
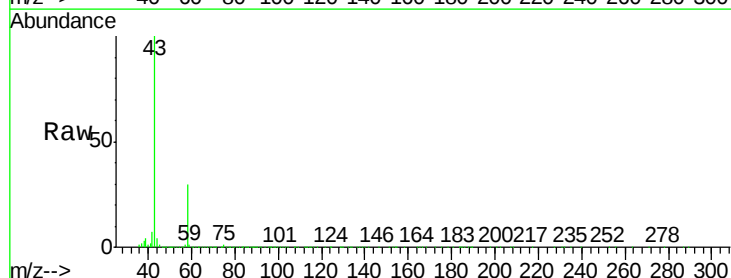
RT: 2.45 min Scan# 212

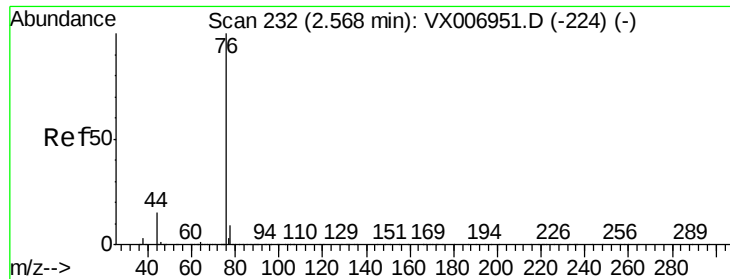
Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Tgt Ion:	43	Resp:	252974
Ion Ratio		Lower	Upper
43	100		
58	30.1	25.0	37.6





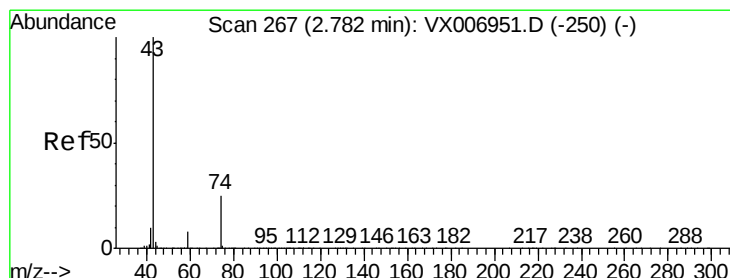
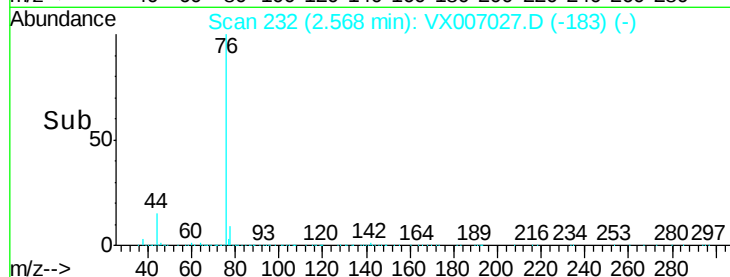
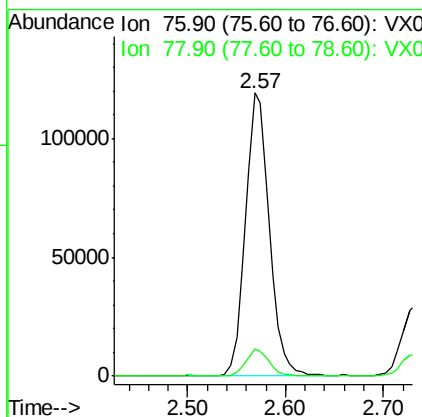
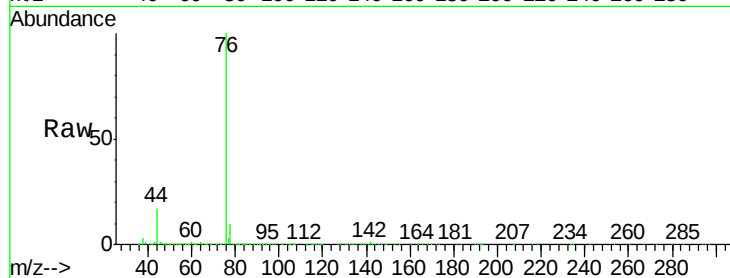
#17
Carbon Disulfide
Concen: 17.257 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

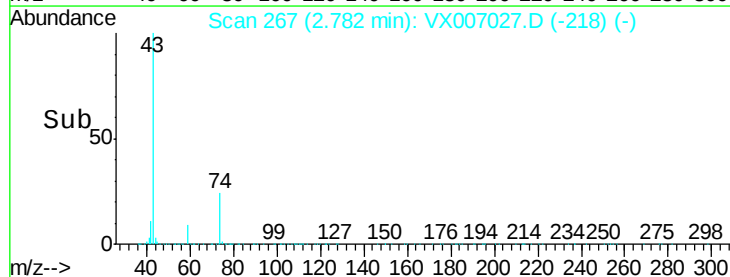
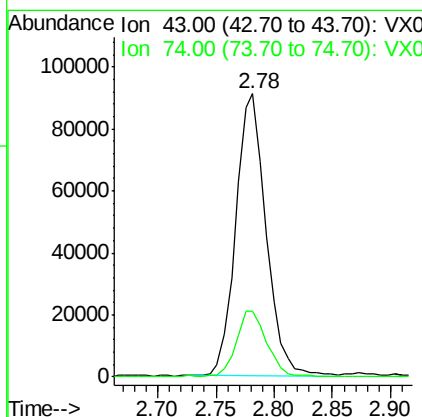
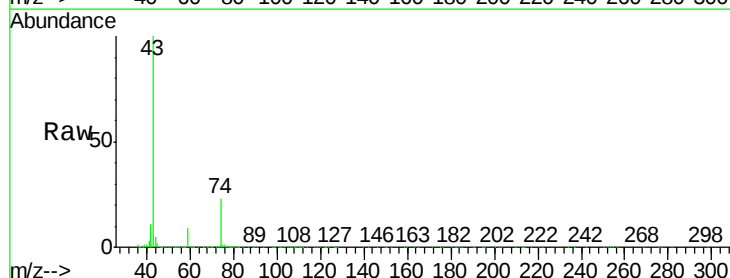
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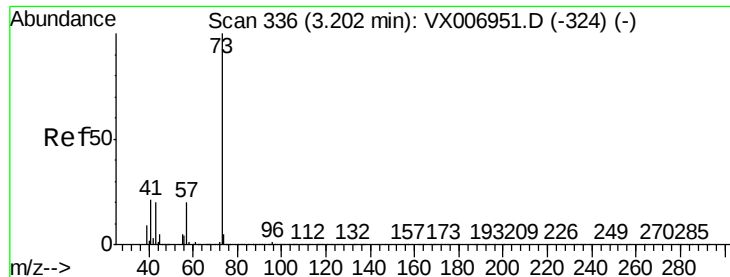
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#18
Methyl Acetate
Concen: 22.422 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.6	28.0





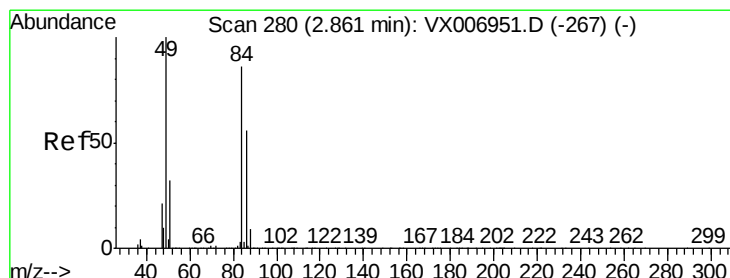
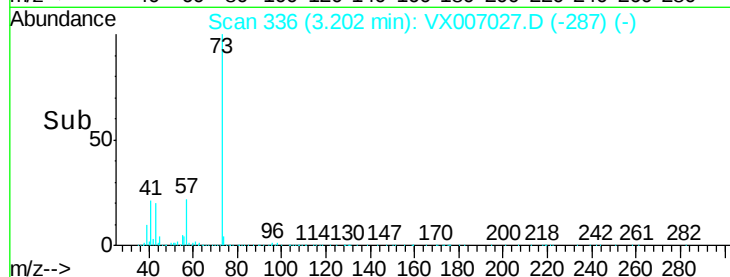
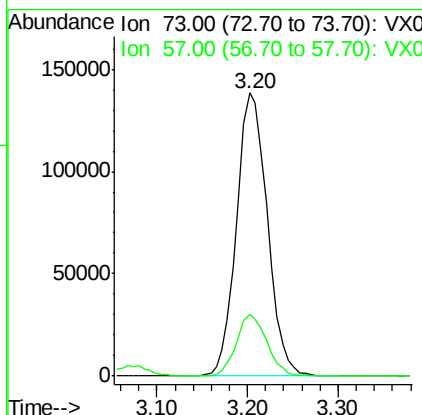
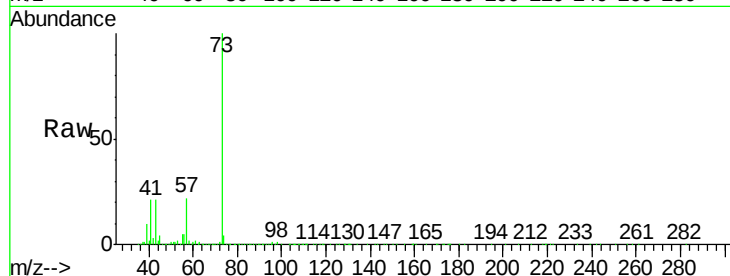
#19
Methyl tert-butyl Ether
Concen: 20.755 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	16.8	25.2

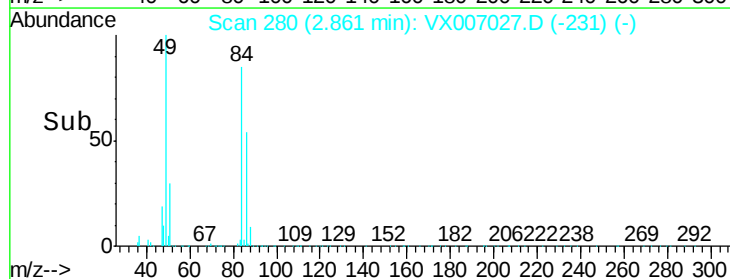
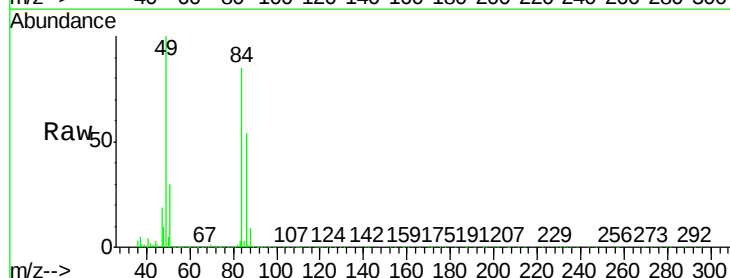
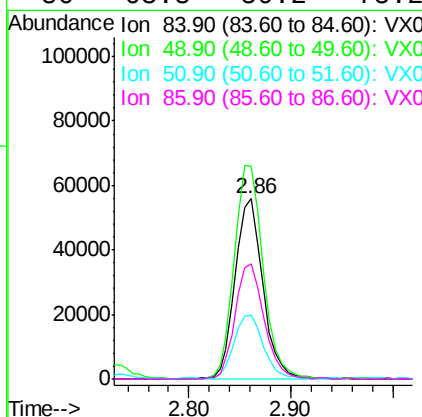
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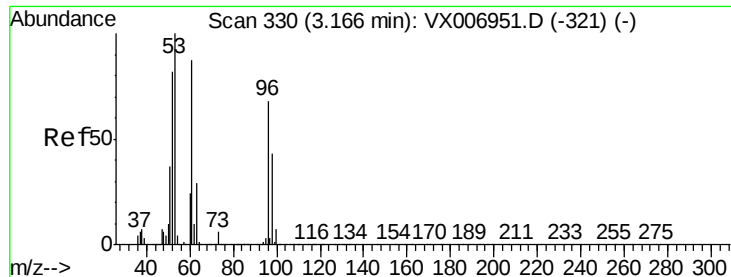
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#20
Methylene Chloride
Concen: 21.505 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.7	91.8	137.6
51	35.6	28.5	42.7
86	63.8	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 19.870 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

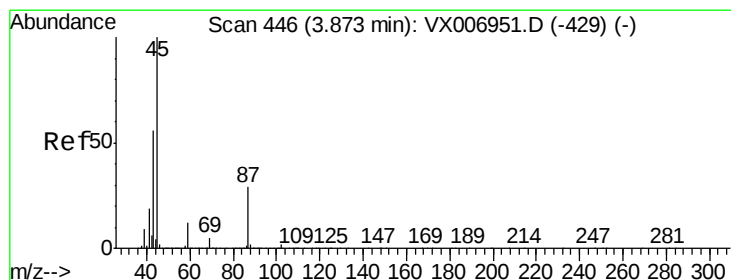
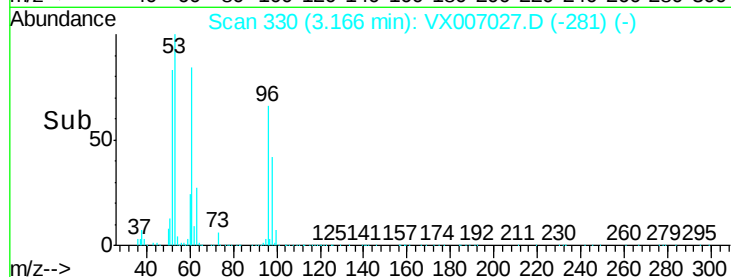
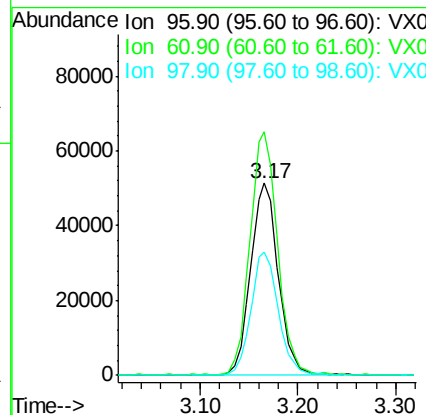
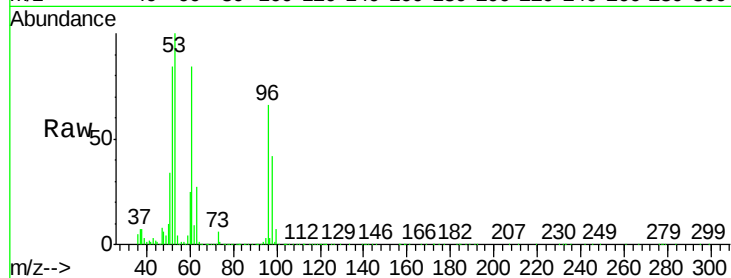
ClientSampleId :

VX0111MBSD01

Tot Ion:	96	Resp:	100367
Ion	Ratio	Lower	Upper
96	100		
61	126.0	103.7	155.5
98	64.0	51.0	76.6

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#22

Diisopropyl ether

Concen: 20.670 ug/l

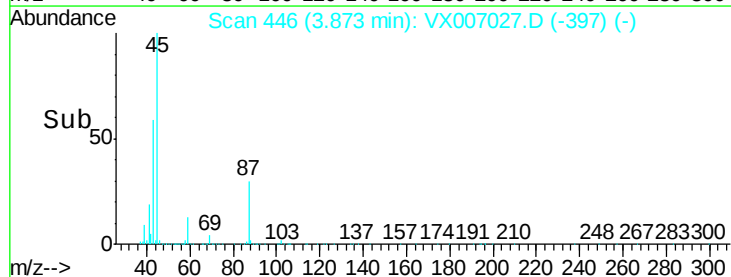
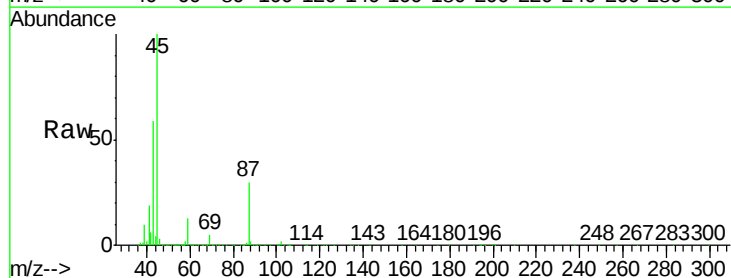
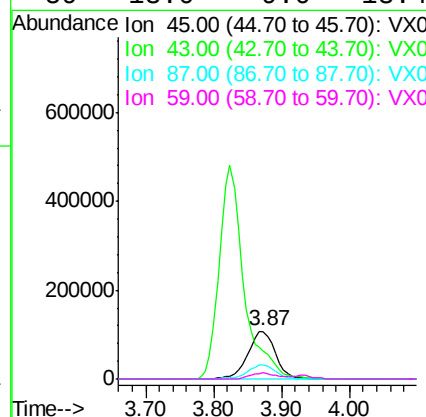
RT: 3.87 min Scan# 446

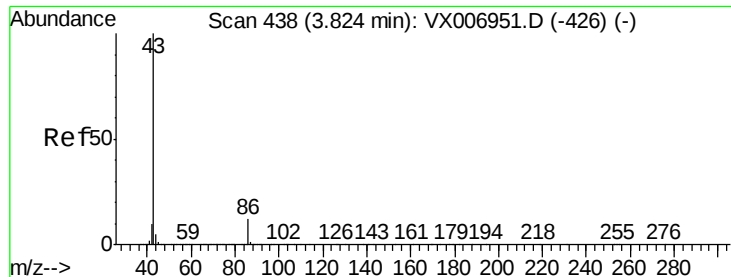
Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Tgt Ion:	45	Resp:	301872
Ion	Ratio	Lower	Upper
45	100		
43	59.1	51.2	76.8
87	30.0	25.8	38.6
59	13.0	9.0	13.4





#23

Vinyl Acetate

Concen: 99.051 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleID :

VX0111MBSD01

Tot Ion: 43 Resp: 1219913

Ion Ratio Lower Upper

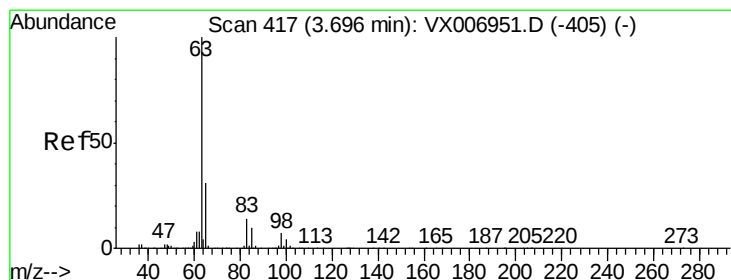
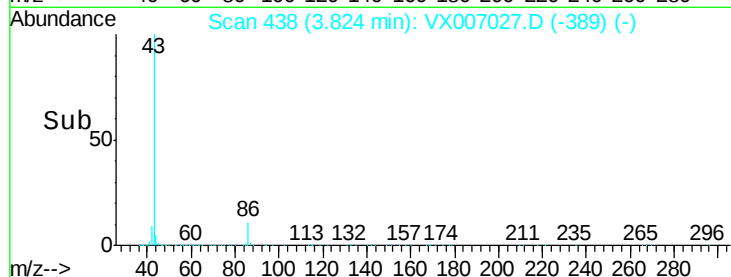
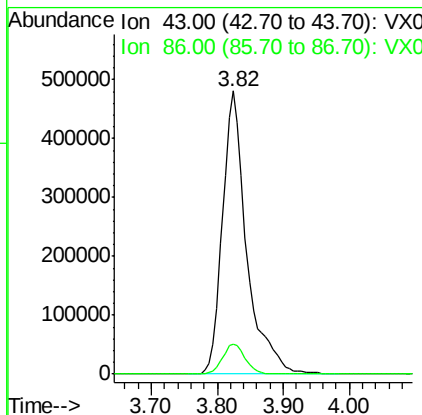
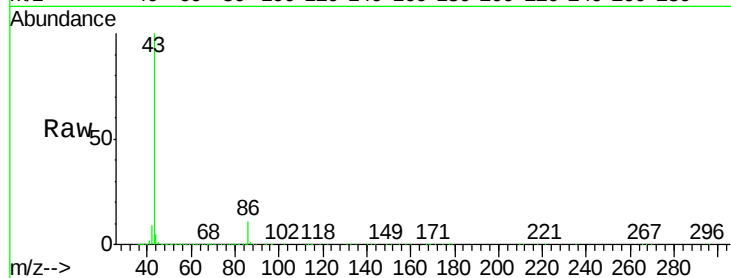
43 100

86 10.8 9.2 13.8

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#24

1,1-Dichloroethane

Concen: 20.275 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

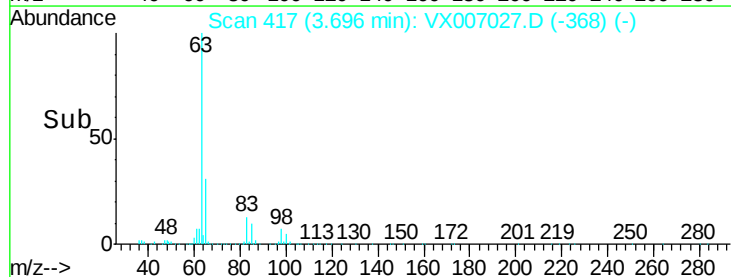
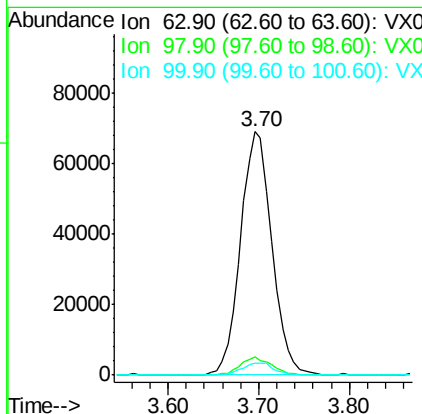
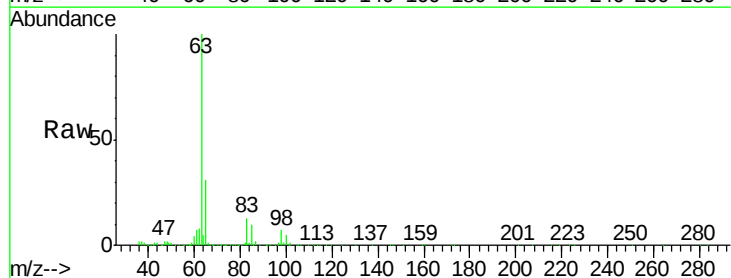
Tgt Ion: 63 Resp: 165573

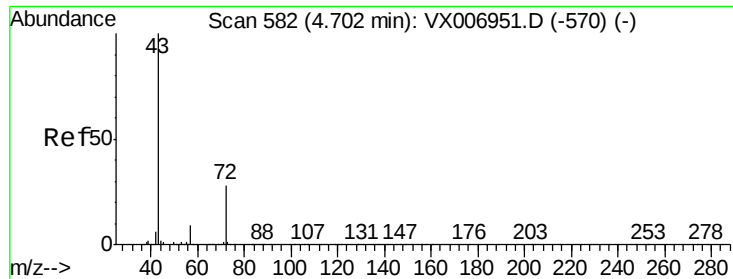
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 5.2 2.4 7.2





#25

2-Butanone

Concen: 102.542 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBSD01

Tot Ion: 43 Resp: 373859

Ion Ratio Lower Upper

43 100

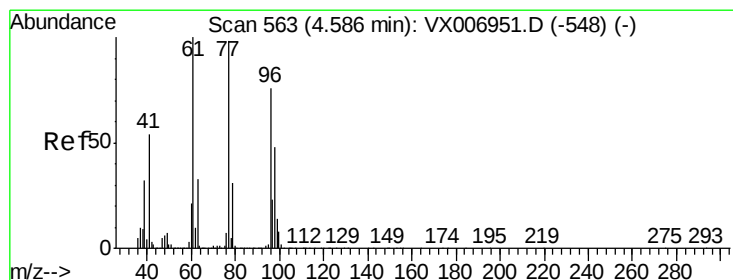
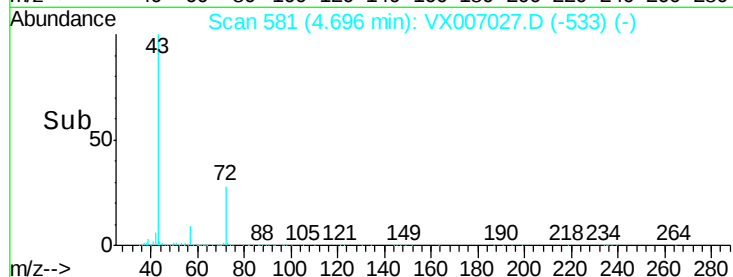
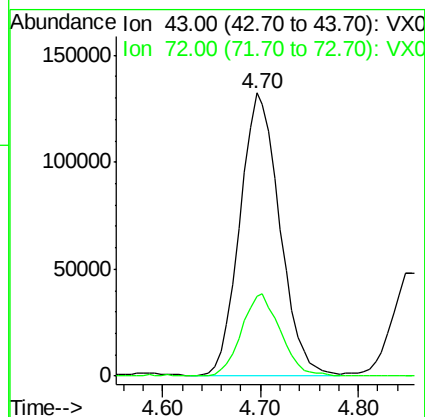
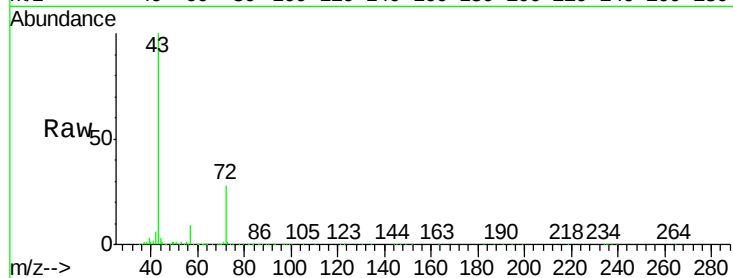
72 28.0 22.4 33.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.948 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX007027.D

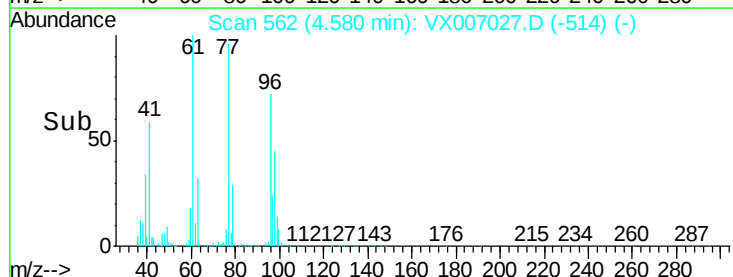
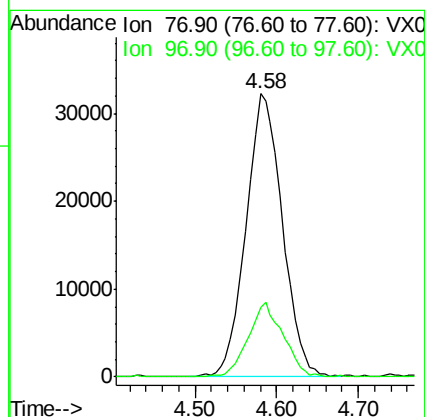
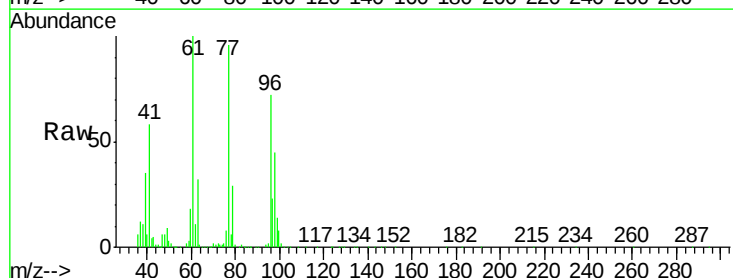
Acq: 11 Jan 2019 21:16

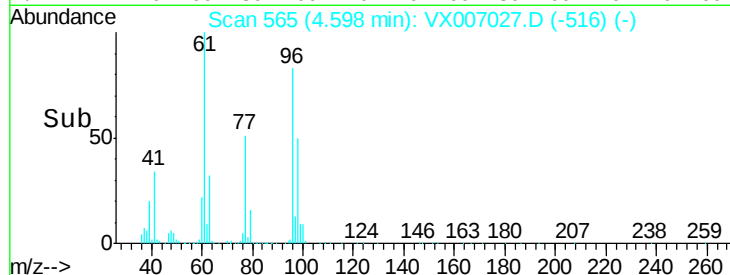
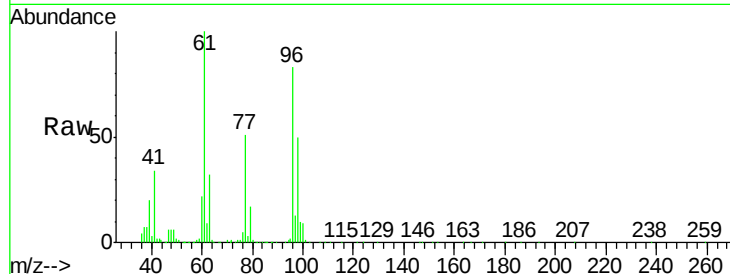
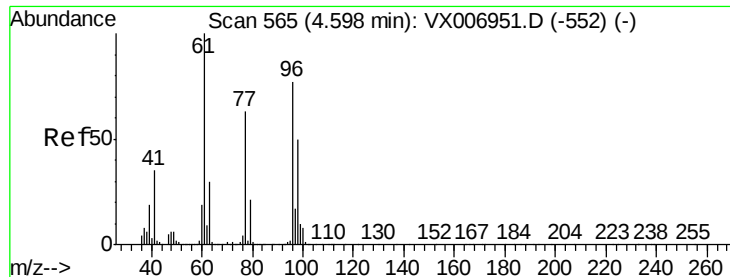
Tgt Ion: 77 Resp: 100144

Ion Ratio Lower Upper

77 100

97 25.4 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 19.824 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX007027.D

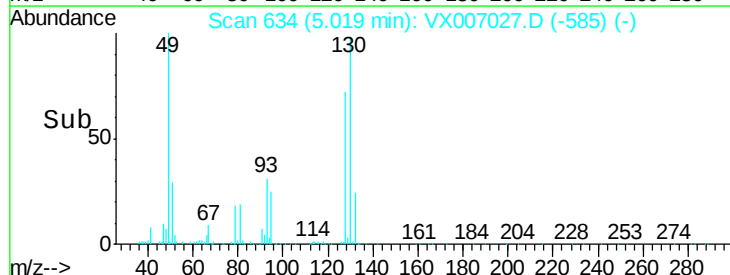
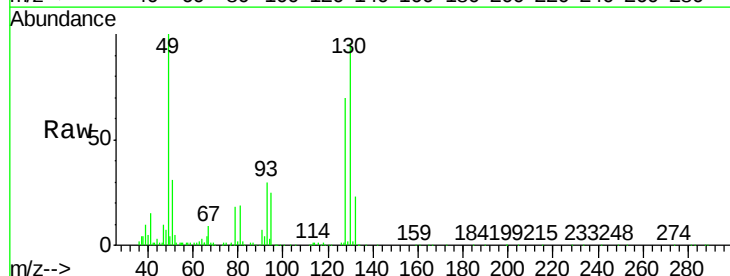
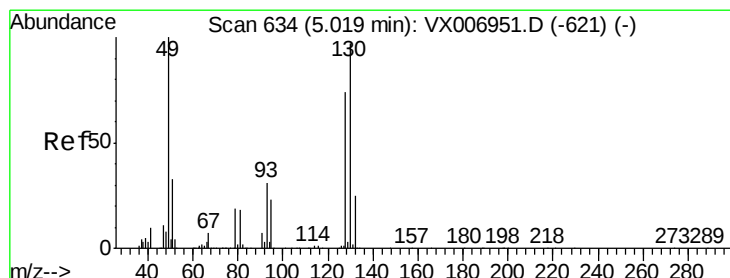
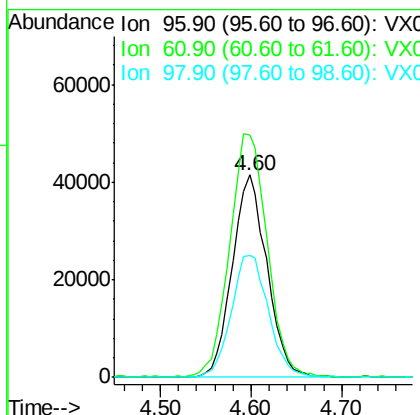
Acq: 11 Jan 2019 21:16

Tot Ion	Ratio	Resp	Lower	Upper
96	100	110450		
61	130.4	0.0	258.6	
98	64.6	0.0	132.0	

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBS01

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#28

Bromochloromethane

Concen: 19.616 ug/l

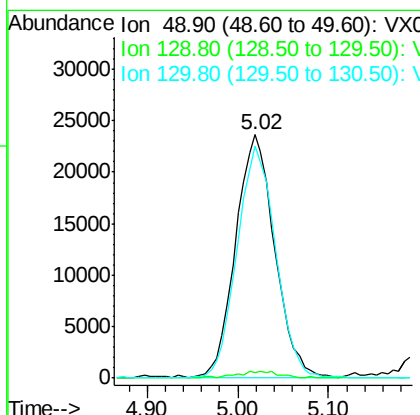
RT: 5.02 min Scan# 634

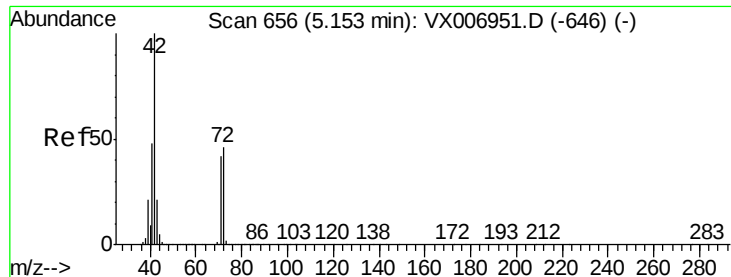
Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70182		
129	2.9	0.0	5.4	
130	95.0	77.7	116.5	





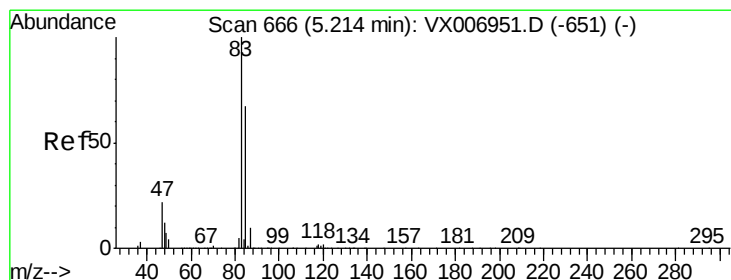
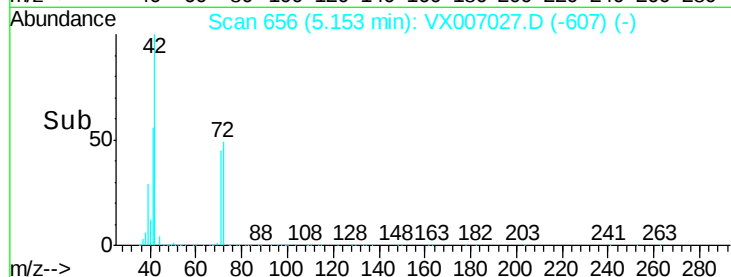
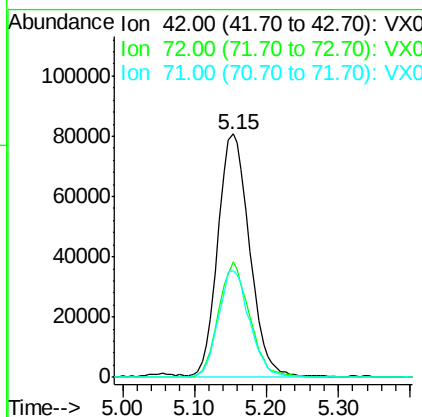
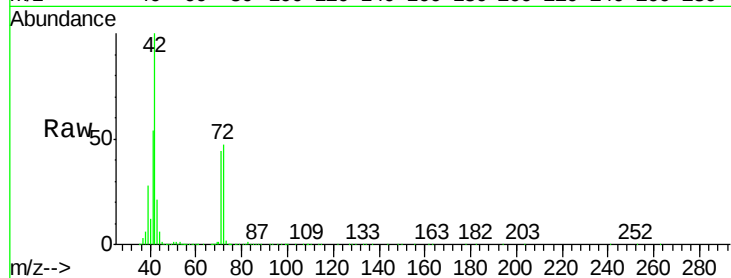
#29
Tetrahydrofuran
Concen: 103.721 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	38.9	58.3
71	43.6	36.2	54.4

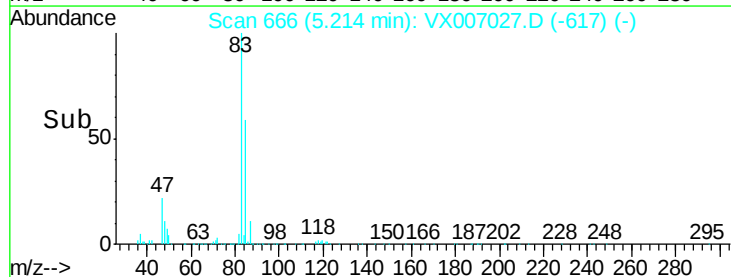
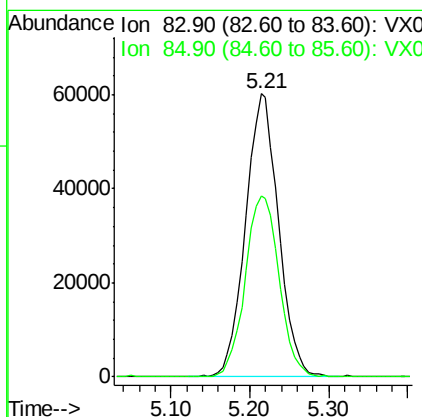
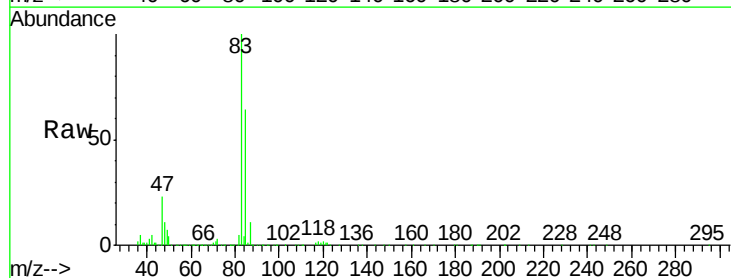
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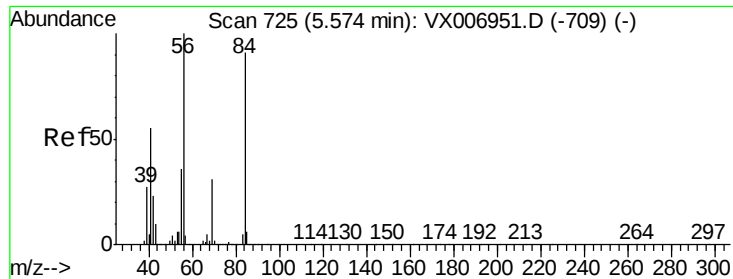
MMDadoda
1/14/2019 10:40:31 AM



#30
Chloroform
Concen: 20.460 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.2	76.8





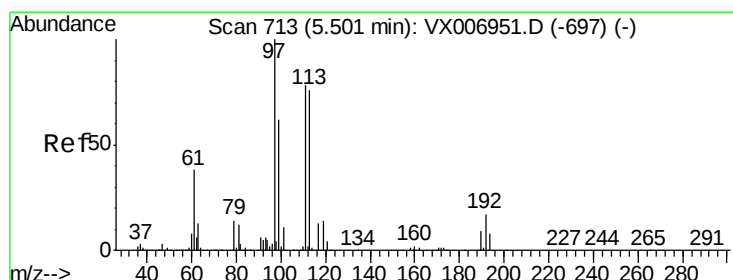
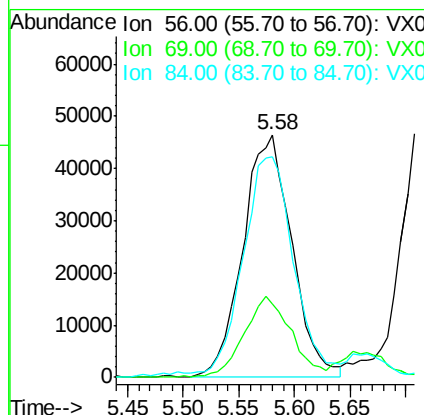
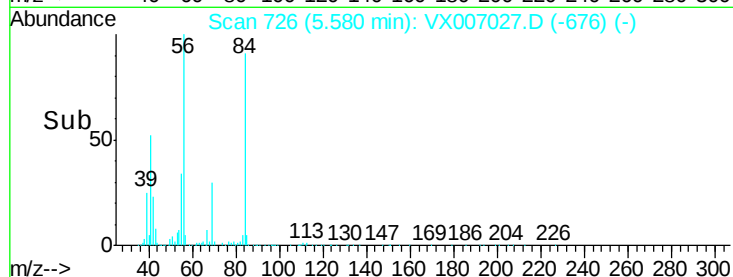
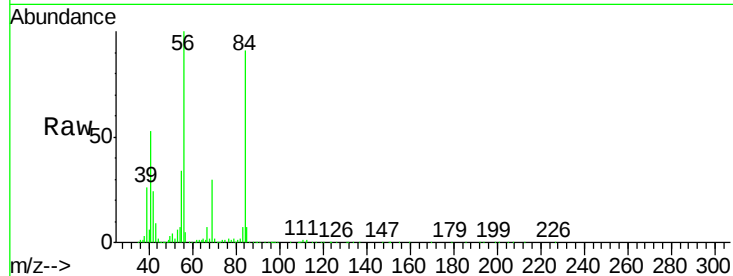
#31
Cyclohexane
Concen: 19.499 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.4	36.6
84	89.1	70.0	105.0

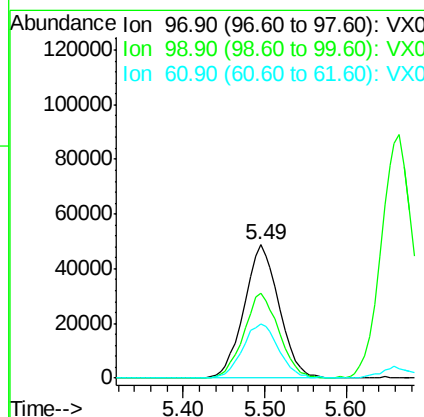
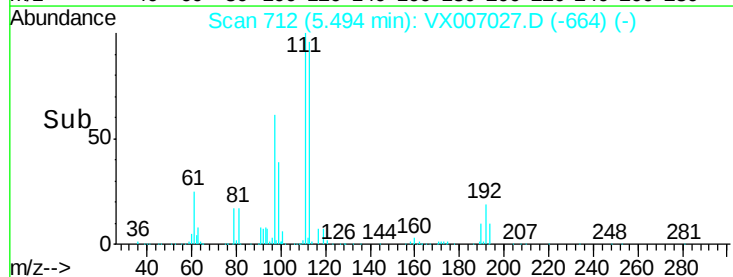
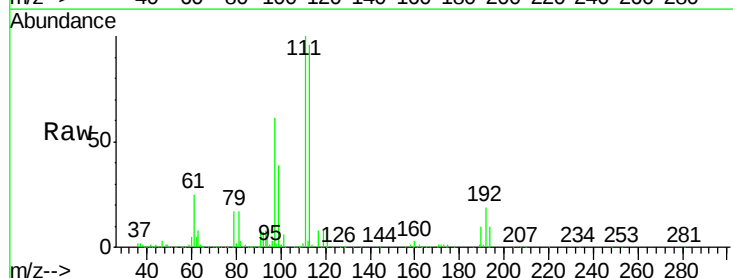
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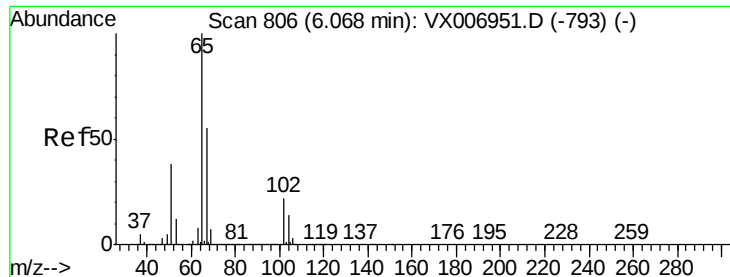
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.937 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	41.8	31.3	46.9





#33

1,2-Dichloroethane-d4

Concen: 52.076 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBS01

Tot Ion: 65 Resp: 268410

Ion Ratio Lower Upper

65 100

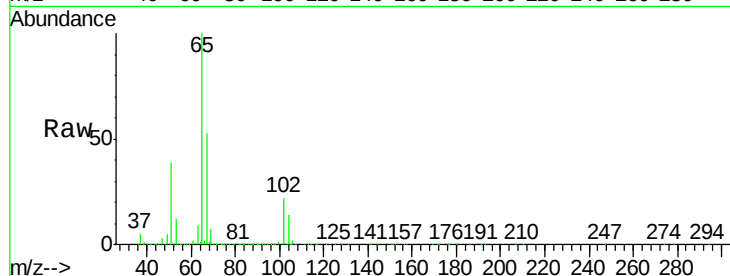
67 54.2 0.0 105.0

Manual Integrations

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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

120000

100000

80000

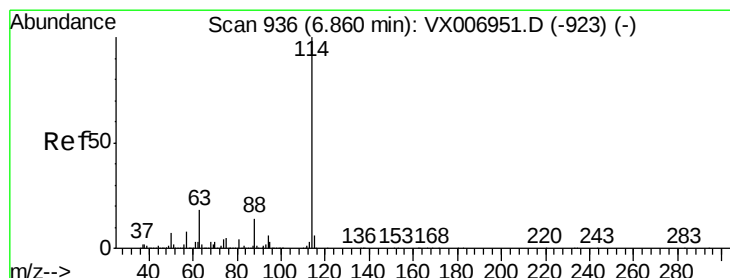
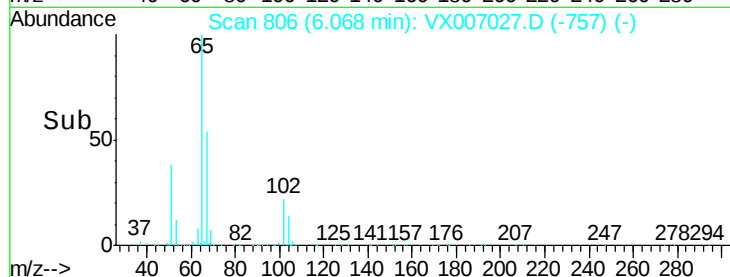
60000

40000

20000

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: VX007027.D

Acq: 11 Jan 2019 21:16

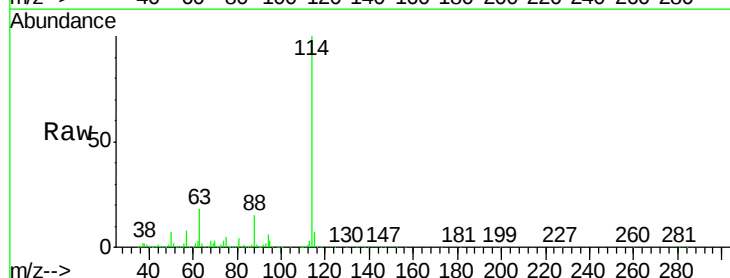
Tgt Ion: 114 Resp: 752238

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

88 14.9 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

400000

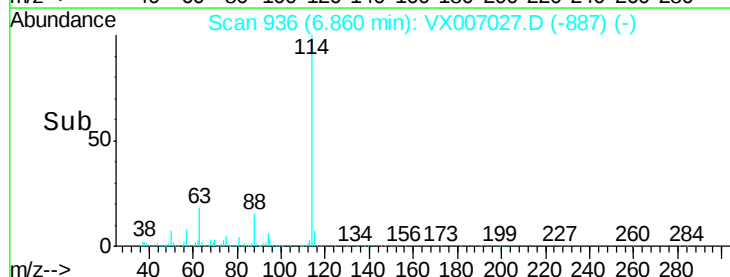
300000

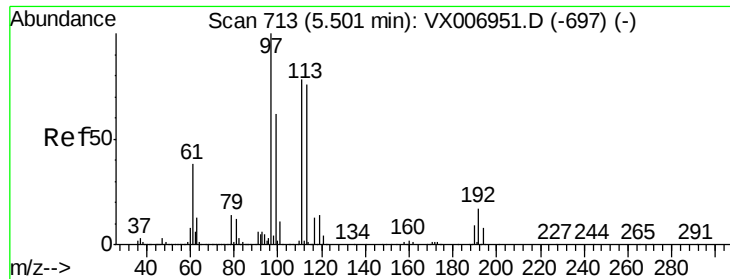
200000

100000

0

Time-->





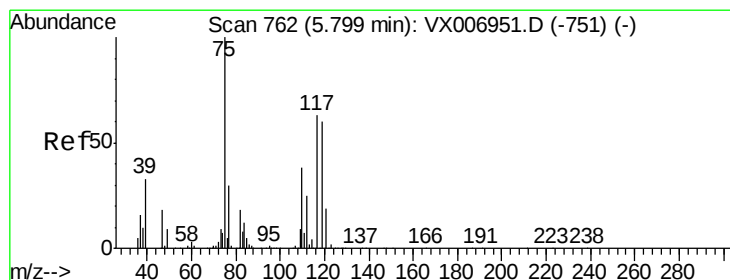
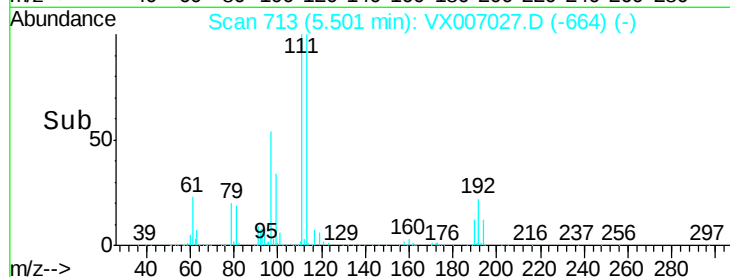
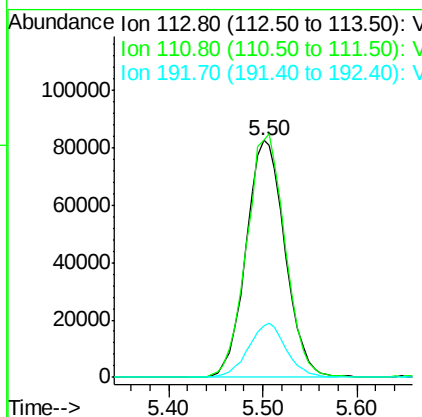
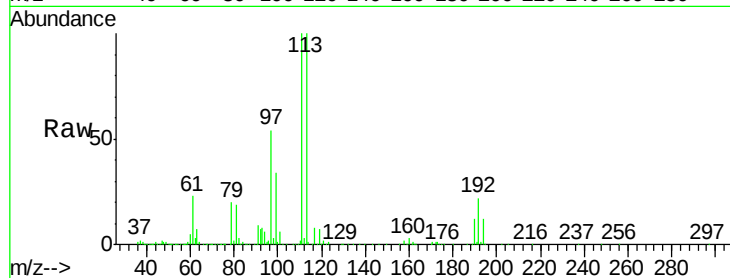
#35
 Dibromofluoromethane
 Concen: 49.515 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX007027.D
 Acq: 11 Jan 2019 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0111MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	238529		
111	102.5		81.6	122.4
192	22.3		16.7	25.1

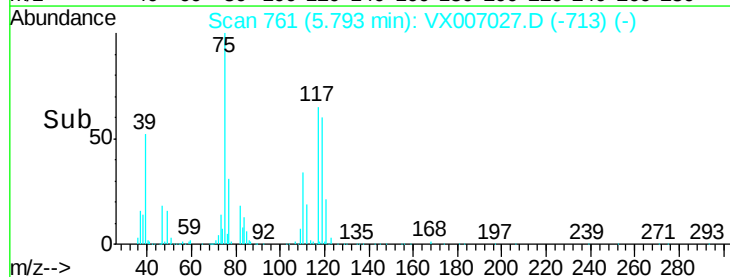
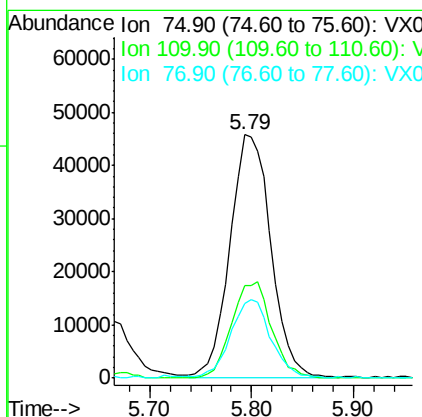
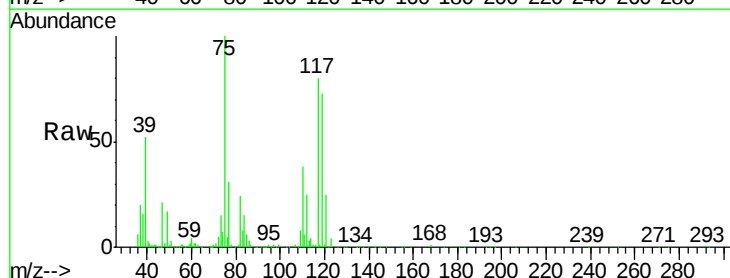
Manual Integrations
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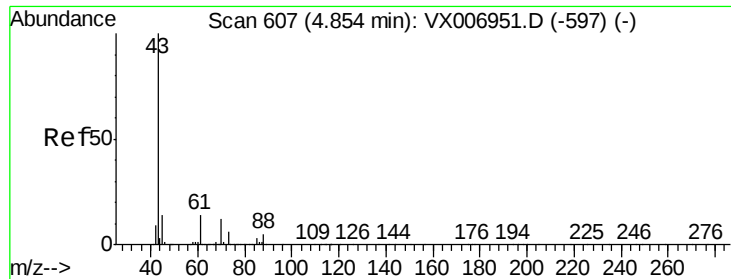
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.373 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX007027.D
 Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126698		
110	39.0		20.2	60.5
77	31.5		24.8	37.2





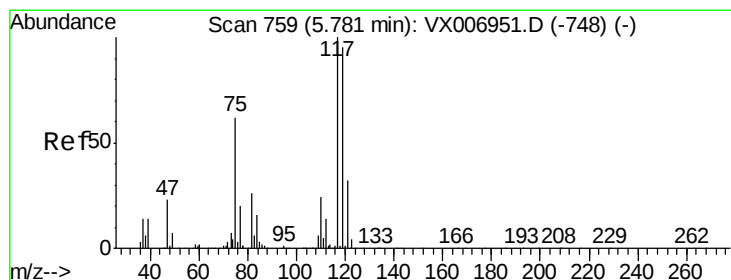
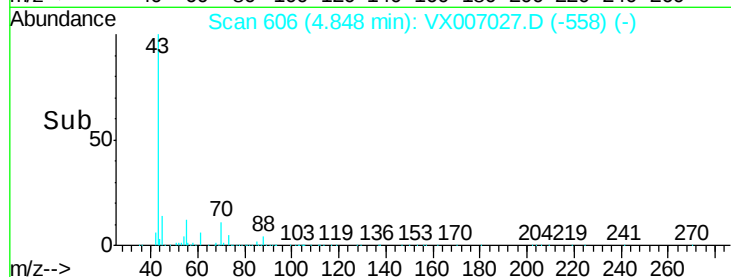
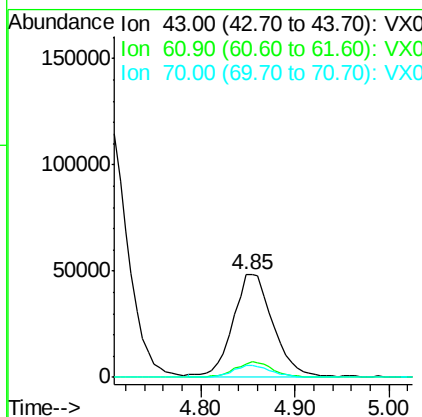
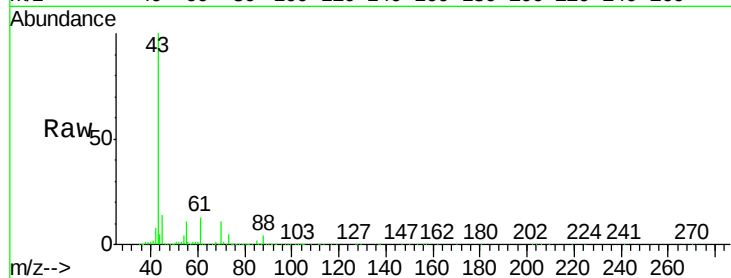
#37
Ethyl Acetate
Concen: 20.133 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBS01

Tot Ion	43	Resp	141167
Ion Ratio	Lower	Upper	
43	100		
61	13.9	11.9	17.9
70	11.7	9.7	14.5

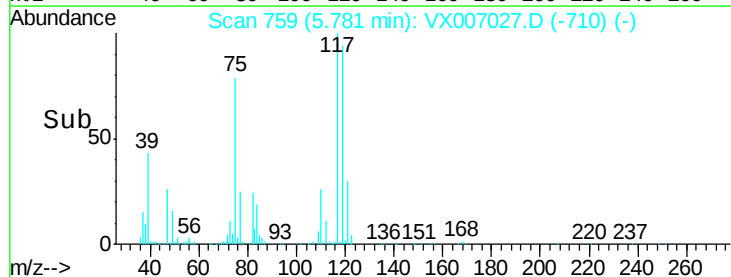
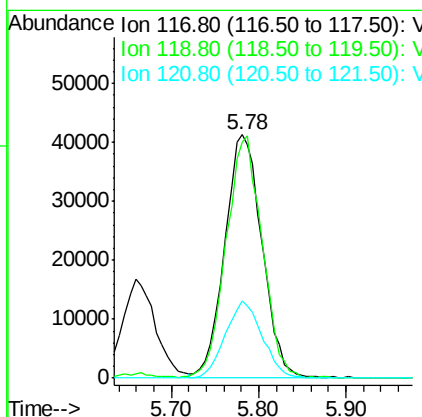
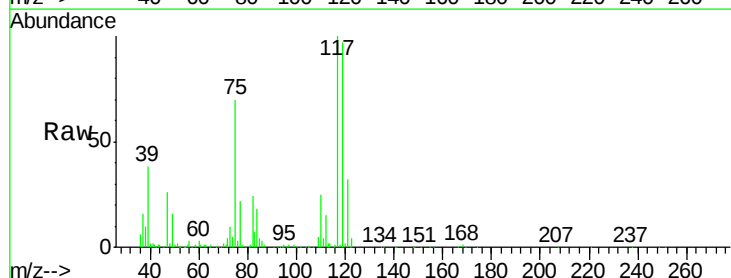
Manual Integrations
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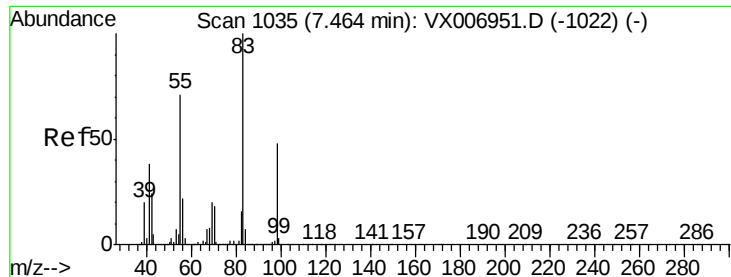
MMDadoda
1/14/2019 10:40:31 AM



#38
Carbon Tetrachloride
Concen: 18.477 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion	117	Resp	121582
Ion Ratio	Lower	Upper	
117	100		
119	96.8	79.4	119.2
121	31.8	24.0	36.0





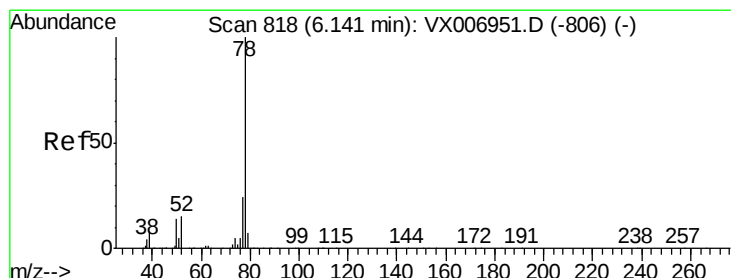
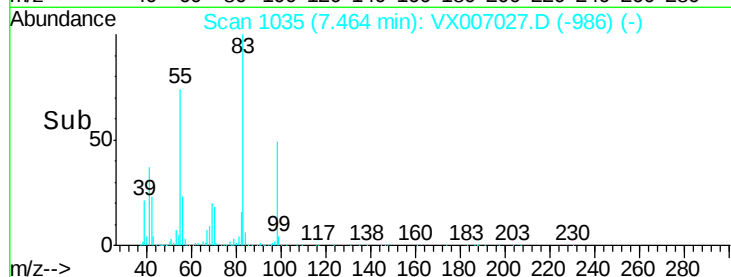
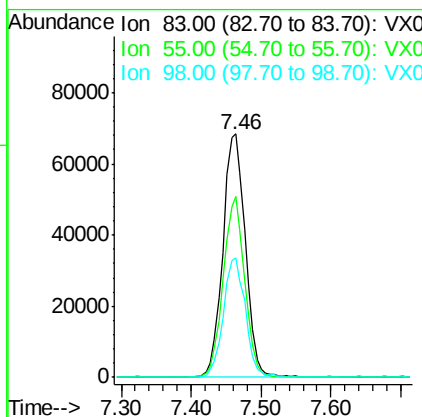
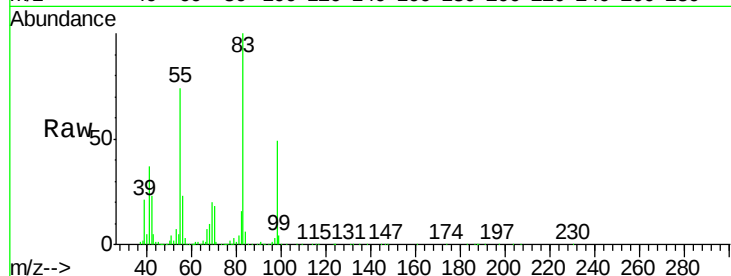
#39
Methvlcvclohexane
Concen: 18.334 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	54.9	82.3
98	48.8	37.9	56.9

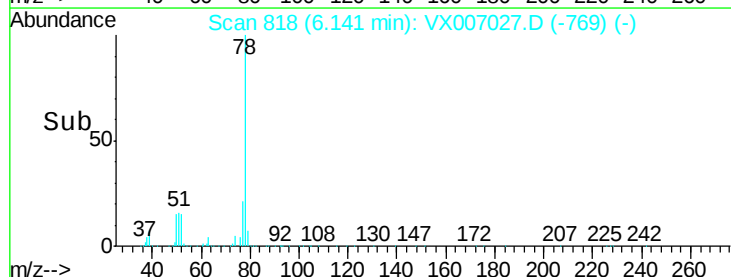
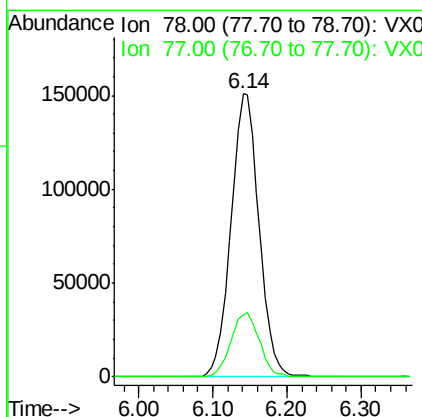
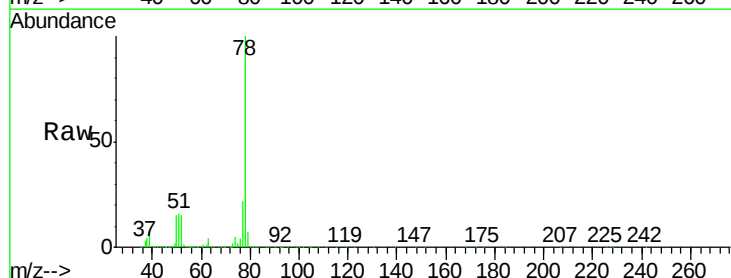
Manual Integrations
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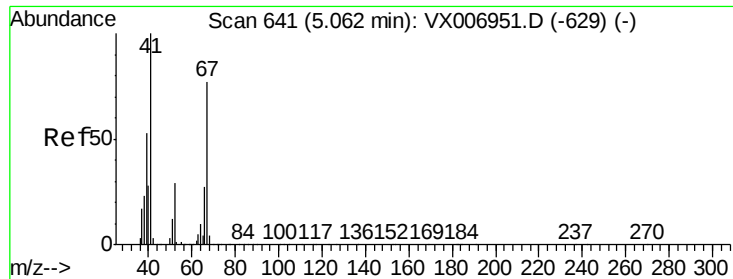
MMDadoda
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#40
Benzene
Concen: 19.939 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.2	28.8





#41

Methacrylonitrile

Concen: 19.124 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Tot Ion:	41	Resp:	77247
Ion	Ratio	Lower	Upper
41	100		
39	55.7	42.8	64.2
67	77.0	62.1	93.1
52	30.6	23.4	35.0

Instrument :

MSVOA_X

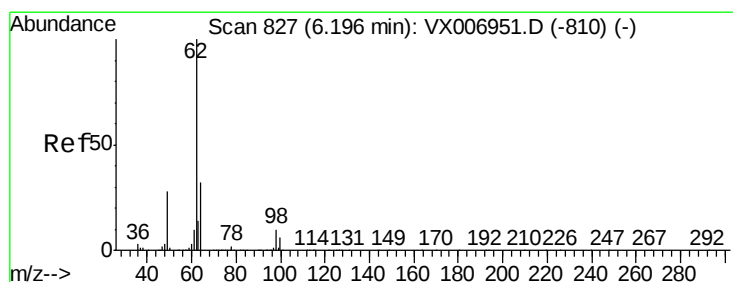
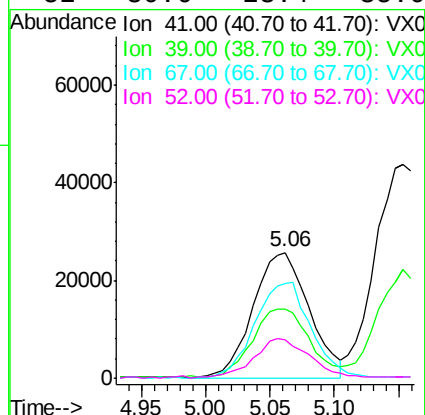
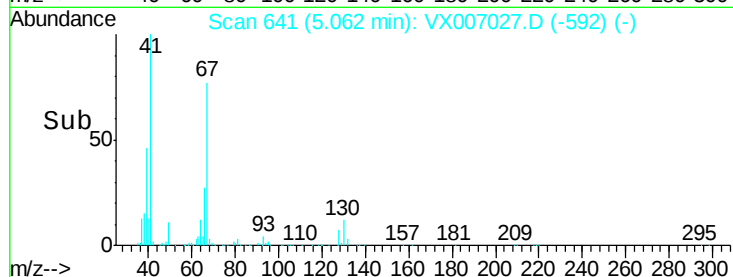
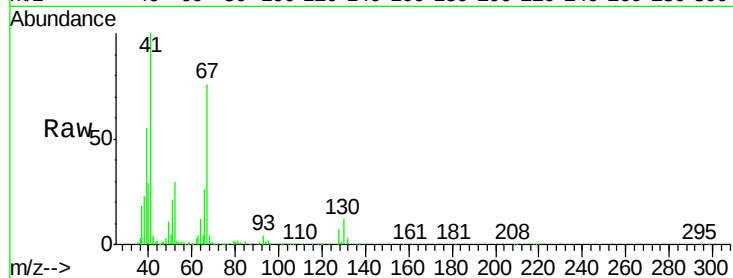
ClientSampleId :

VX0111MBSD01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.082 ug/l

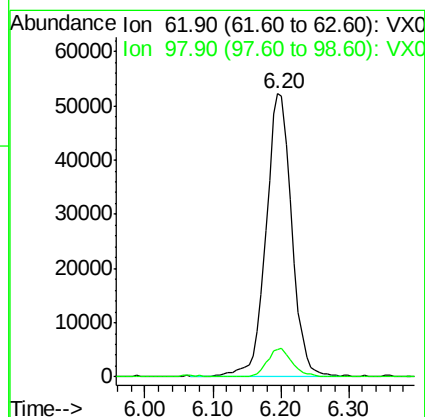
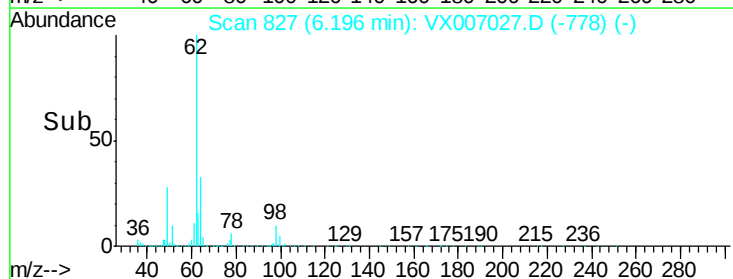
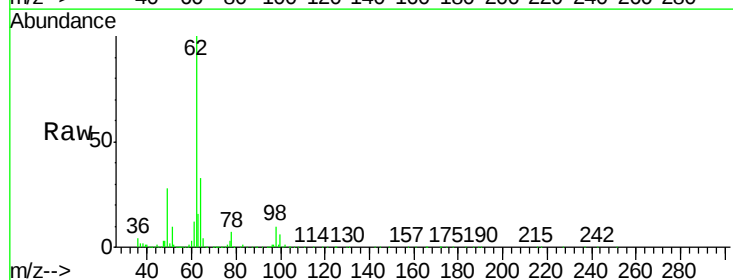
RT: 6.20 min Scan# 827

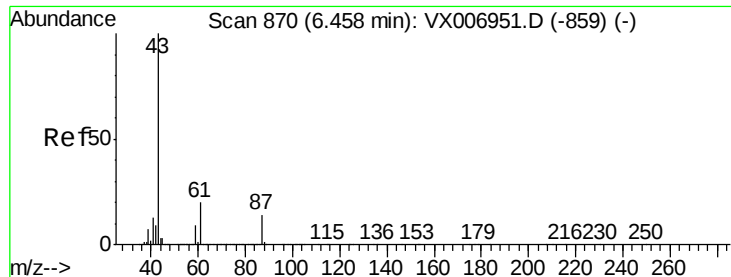
Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Tgt Ion:	62	Resp:	138482
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.2





#43

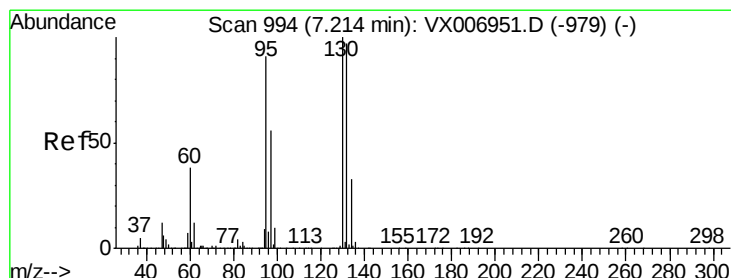
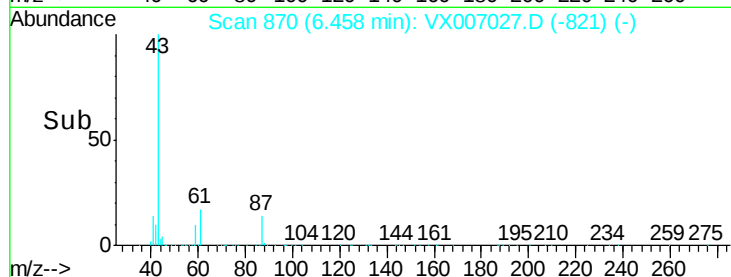
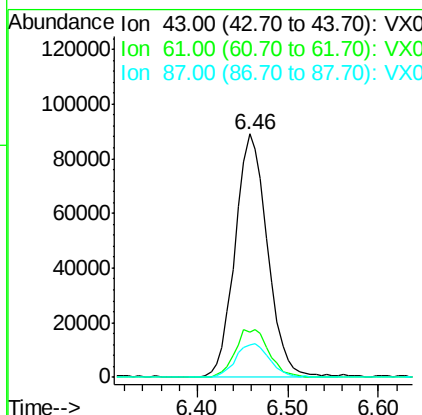
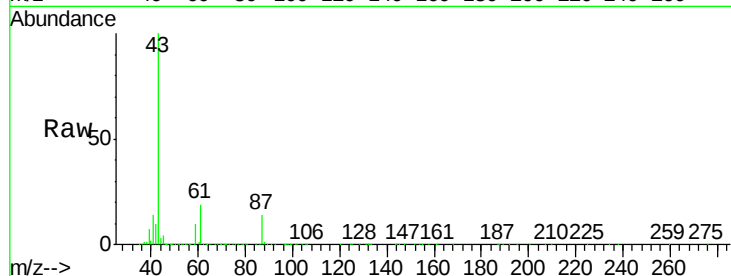
Isopropyl Acetate
 Concen: 19.894 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX007027.D
 Acq: 11 Jan 2019 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0111MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.8	25.2
87	14.7	12.4	18.6

Manual Integrations
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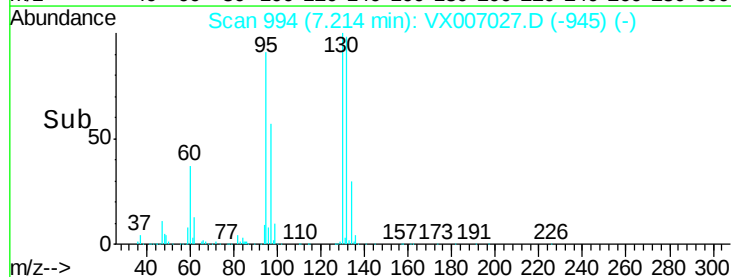
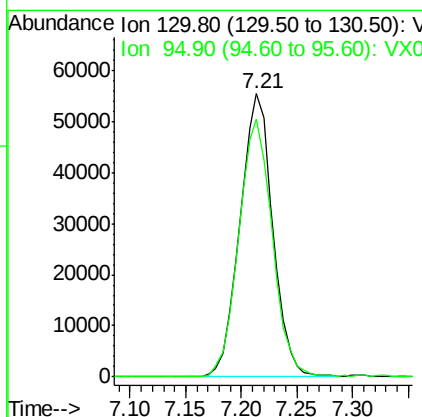
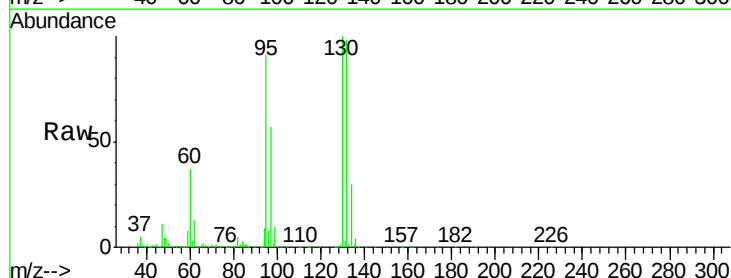
MMDadoda
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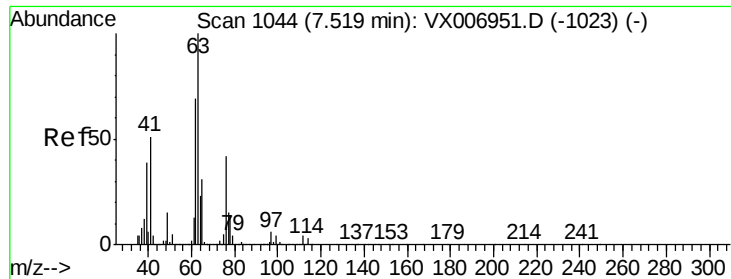


#44

Trichloroethene
 Concen: 18.962 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX007027.D
 Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	187.0





#45

1,2-Dichloropropane

Concen: 19.819 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBSD01

Tot Ion: 63 Resp: 99432

Ion Ratio Lower Upper

63 100

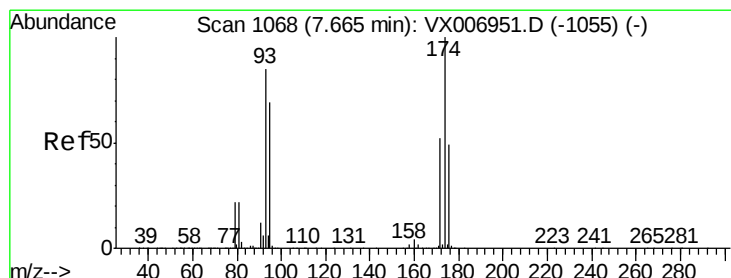
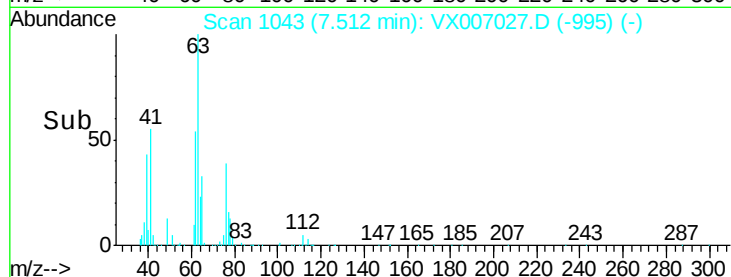
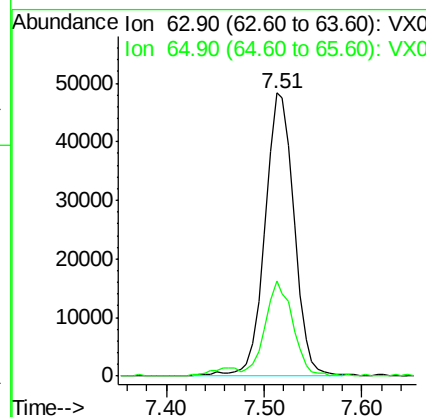
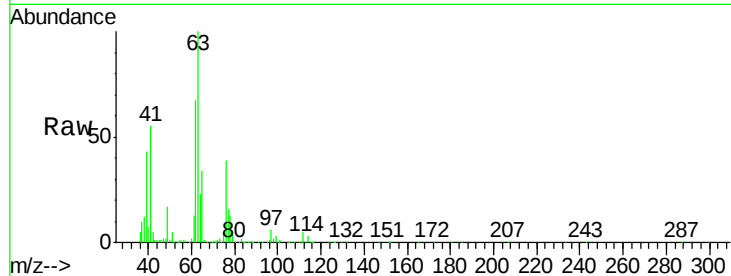
65 33.6 25.4 38.0

Manual Integrations

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#46

Dibromomethane

Concen: 19.797 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

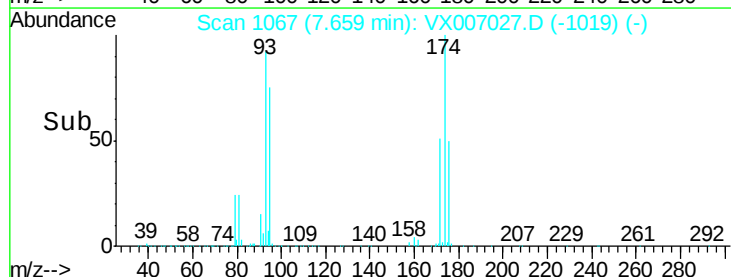
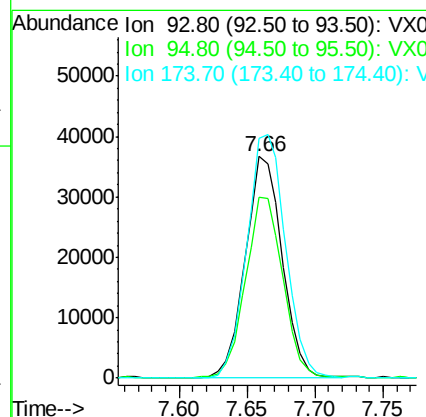
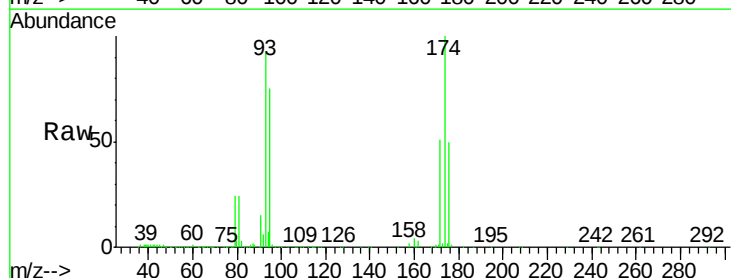
Tgt Ion: 93 Resp: 69802

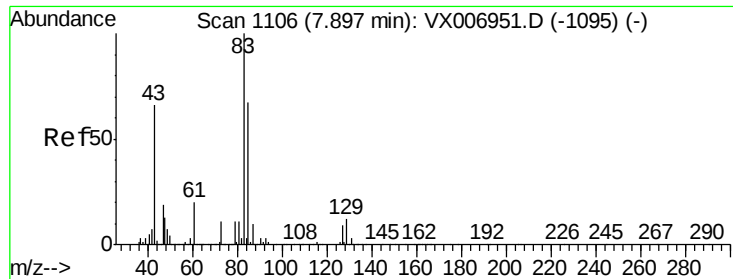
Ion Ratio Lower Upper

93 100

95 83.2 66.2 99.4

174 115.4 91.0 136.4





#47

Bromodichloromethane

Concen: 19.550 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

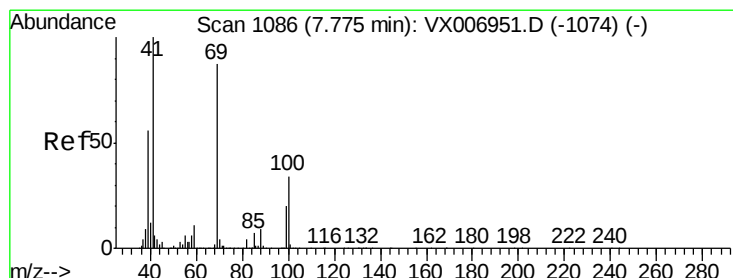
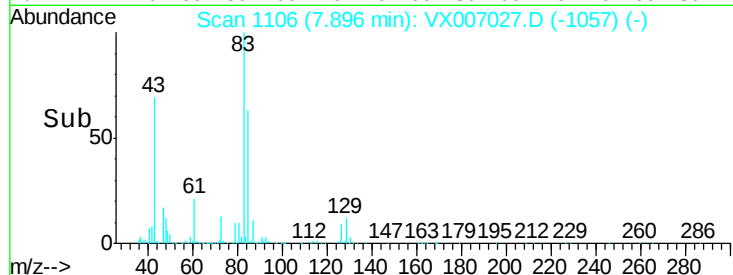
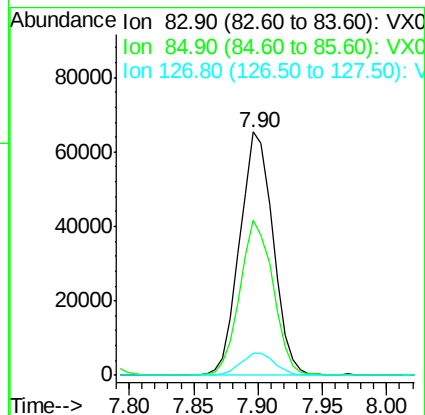
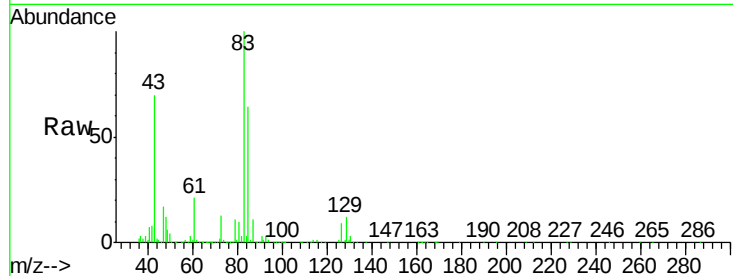
ClientSampleId :

VX0111MBSD01

Tot Ion:	83	Resp:	117333
Ion Ratio	Lower	Upper	
83	100		
85	63.4	53.2	79.8
127	9.3	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.905 ug/l

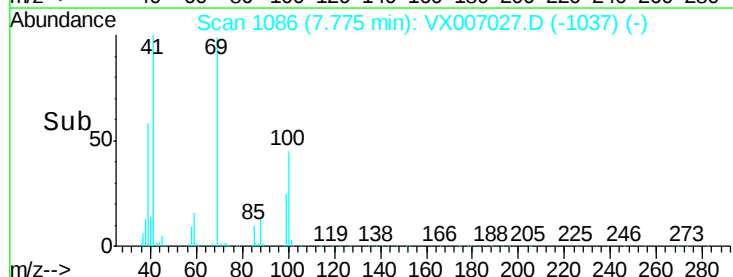
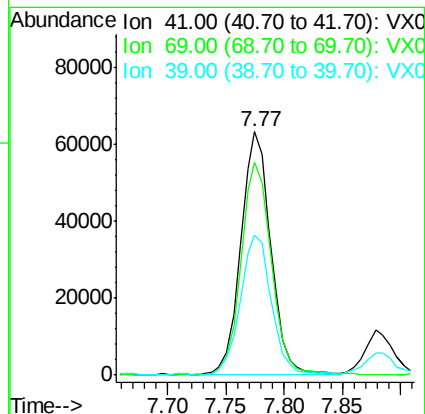
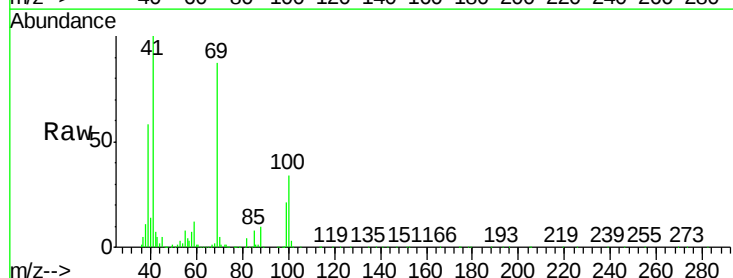
RT: 7.77 min Scan# 1086

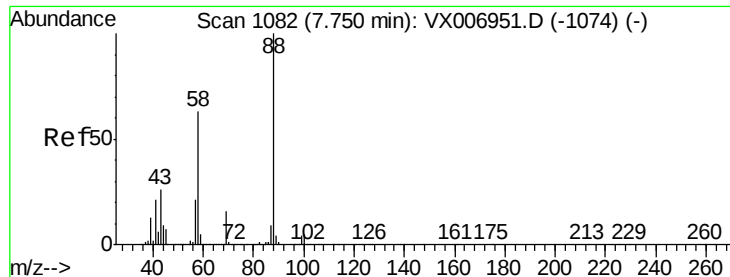
Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Tgt Ion:	41	Resp:	113054
Ion Ratio	Lower	Upper	
41	100		
69	89.1	72.4	108.6
39	59.3	45.8	68.8





#49

1,4-Dioxane

Concen: 415.227 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

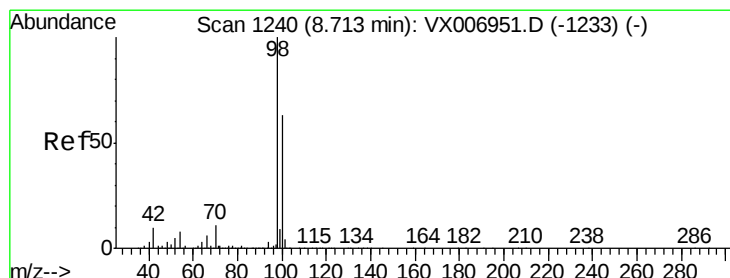
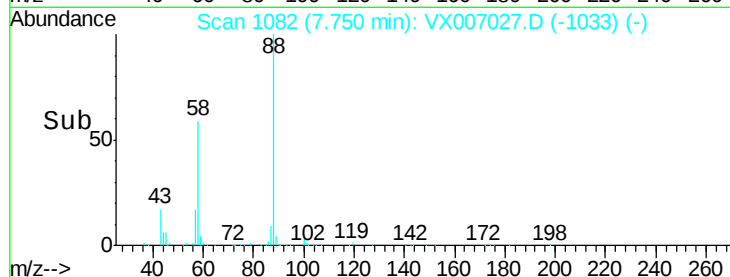
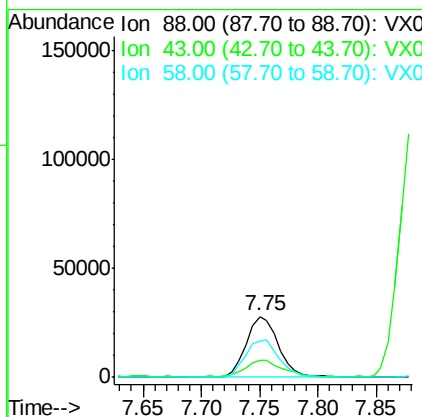
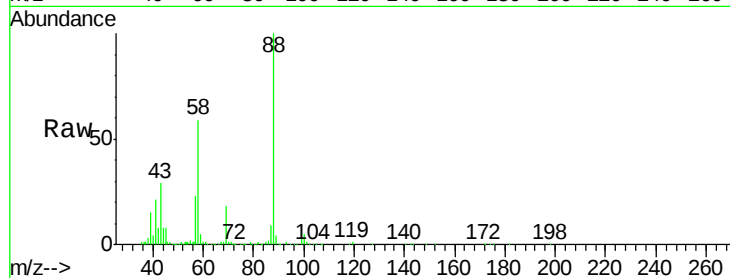
ClientSampleId :

VX0111MBSD01

Tot Ion:	88	Resp:	54508
Ion	Ratio	Lower	Upper
88	100		
43	31.9	22.2	33.4
58	65.6	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 51.059 ug/l

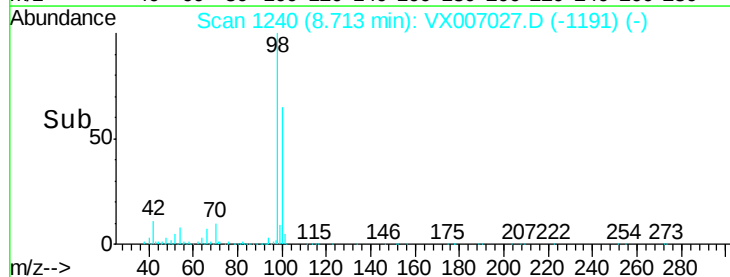
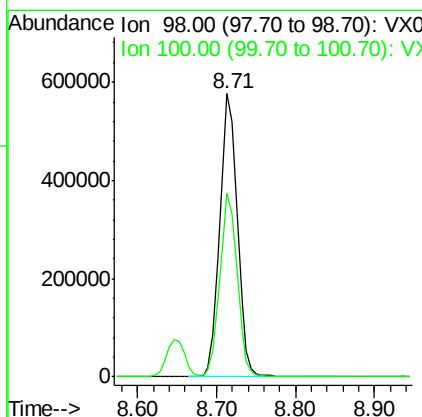
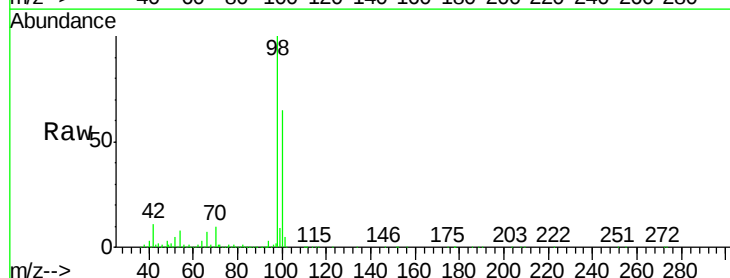
RT: 8.71 min Scan# 1240

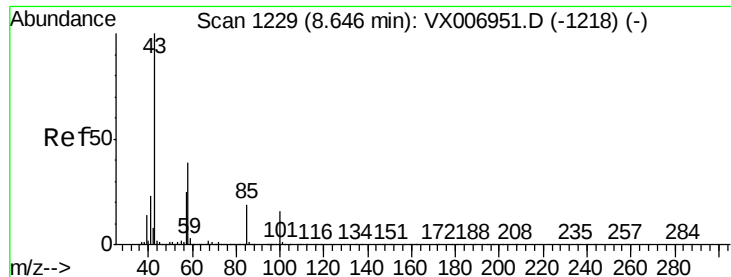
Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Tgt Ion:	98	Resp:	900318
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0





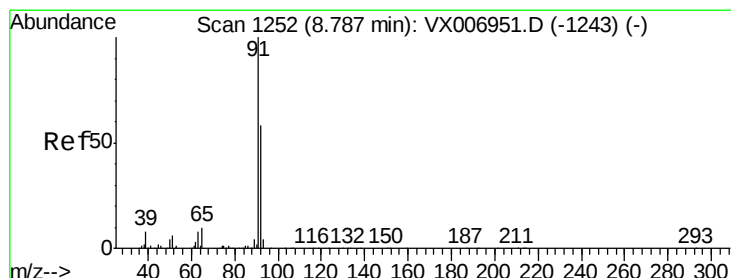
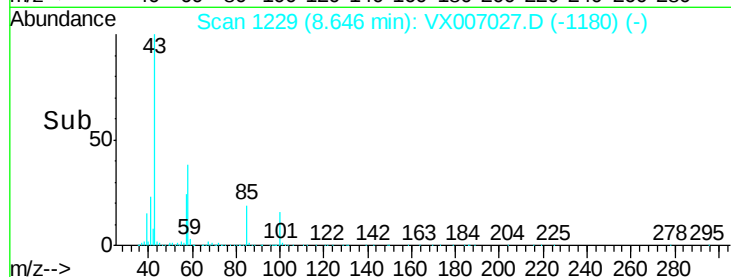
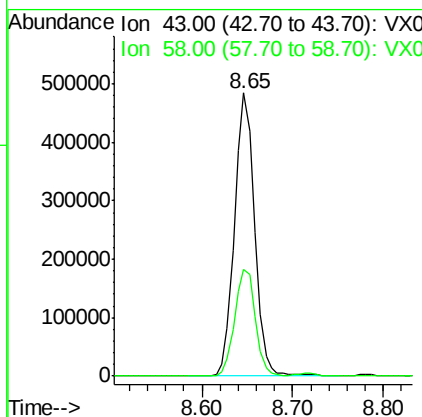
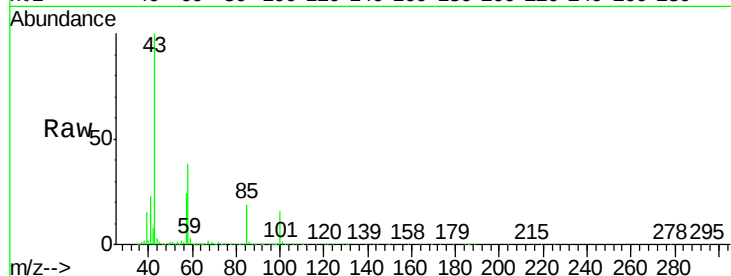
#51
4-Methyl-2-Pentanone
Concen: 105.000 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBS01

Tot Ion: 43 Resp: 746311
Ion Ratio Lower Upper
43 100
58 38.7 31.8 47.6

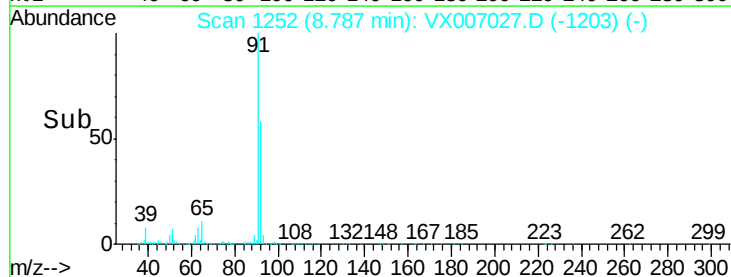
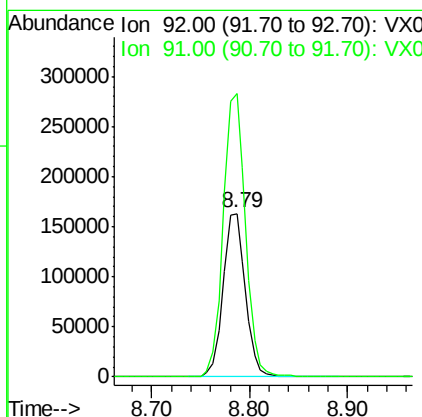
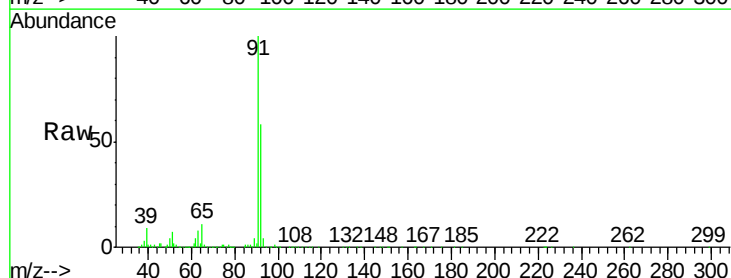
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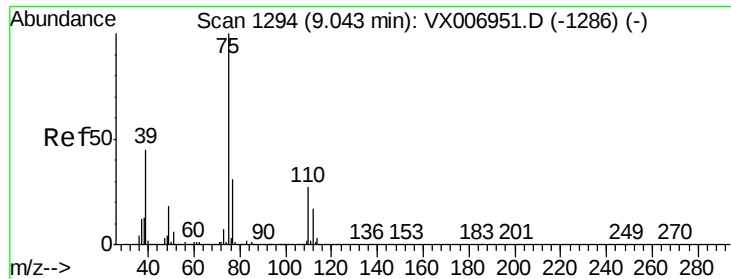
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#52
Toluene
Concen: 20.046 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion: 92 Resp: 257116
Ion Ratio Lower Upper
92 100
91 173.4 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 17.835 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBSD01

Tot Ion: 75 Resp: 118694

Ion Ratio Lower Upper

75 100

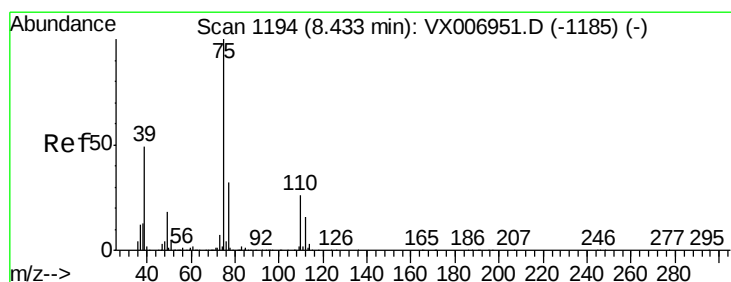
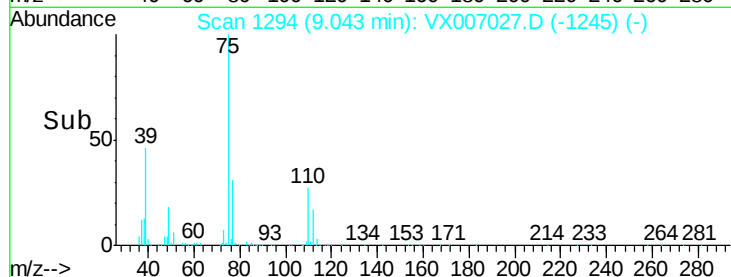
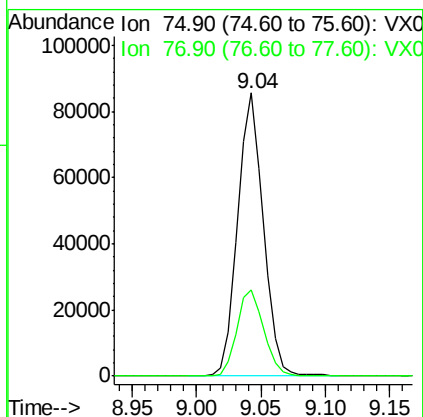
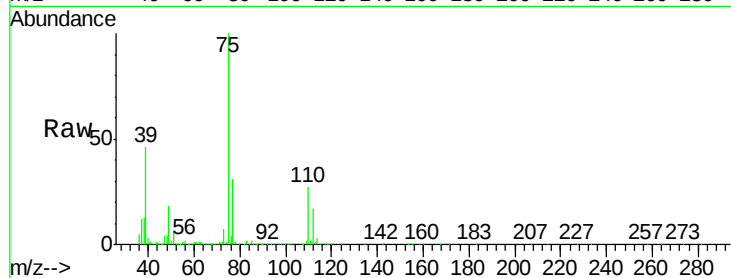
77 30.7 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.363 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

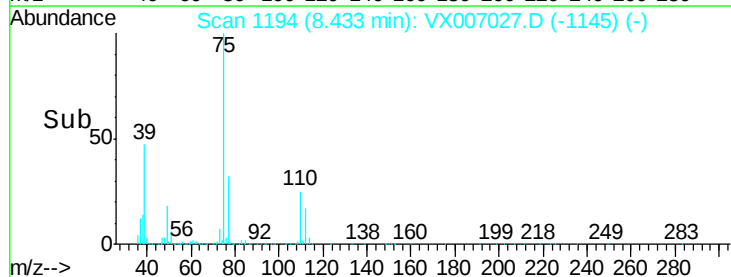
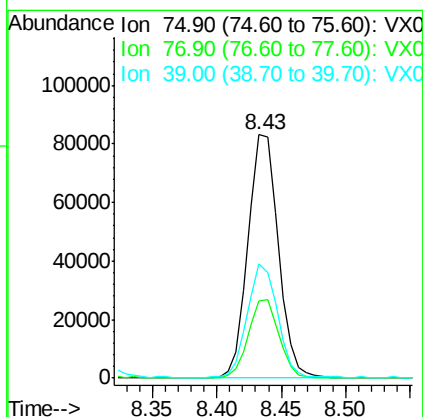
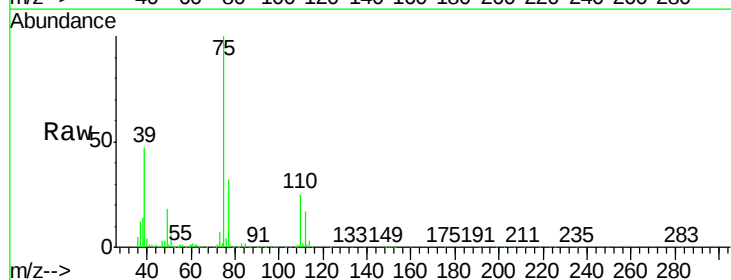
Tgt Ion: 75 Resp: 134956

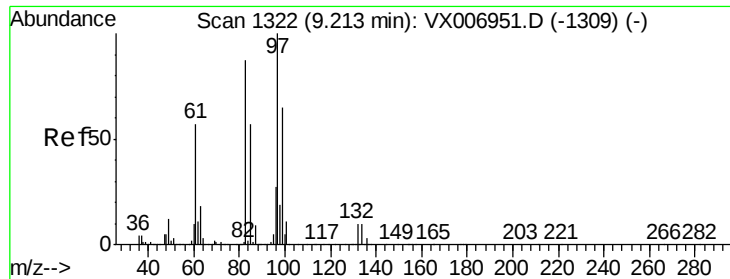
Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

39 46.9 36.7 55.1





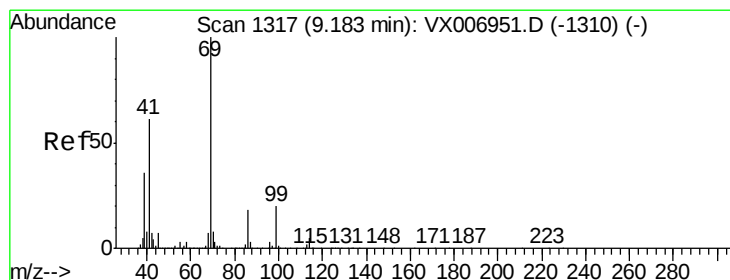
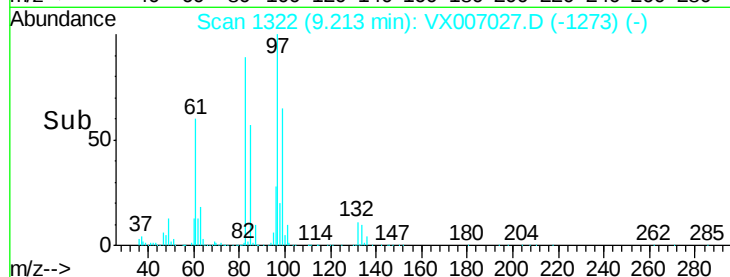
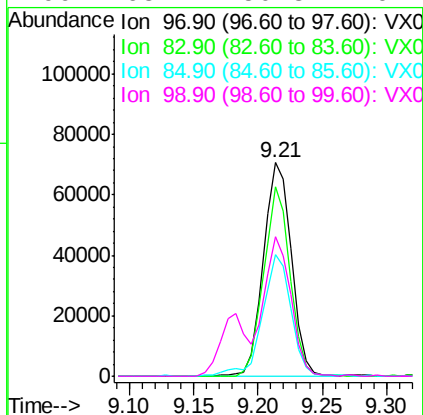
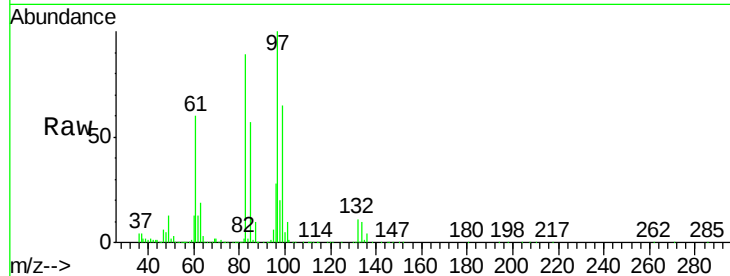
#55
 1,1,2-Trichloroethane
 Concen: 20.816 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX007027.D
 Acq: 11 Jan 2019 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0111MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		106865		
83	88.8	66.6	99.8		
85	57.0	42.7	64.1		
99	65.4	50.8	76.2		

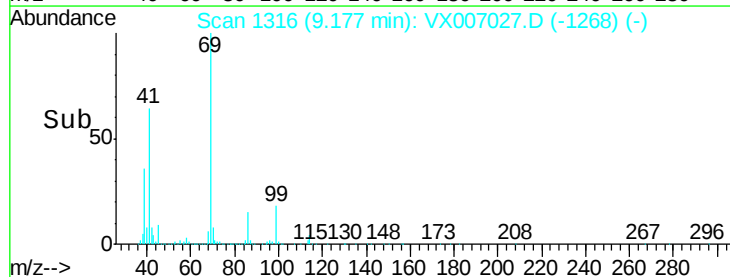
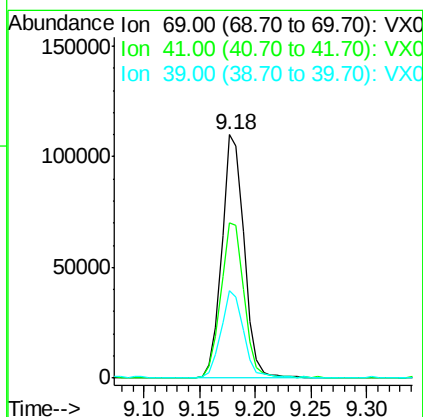
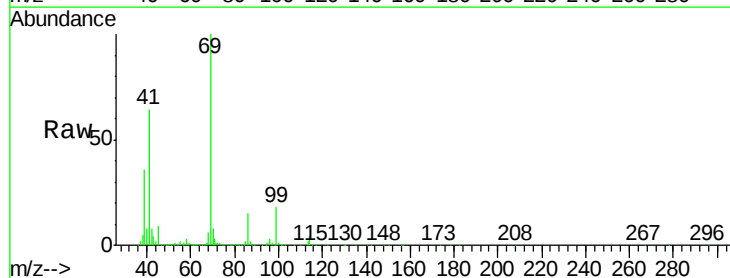
Manual Integrations
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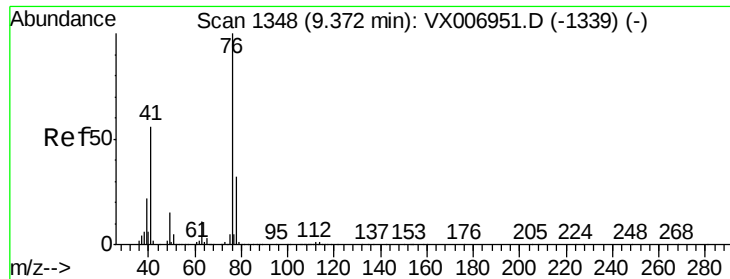
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#56
 Ethyl methacrylate
 Concen: 20.301 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX007027.D
 Acq: 11 Jan 2019 21:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		152152		
41	66.1	48.7	73.1		
39	37.5	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 20.431 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBSD01

Tot Ion: 76 Resp: 171836

Ion Ratio Lower Upper

76 100

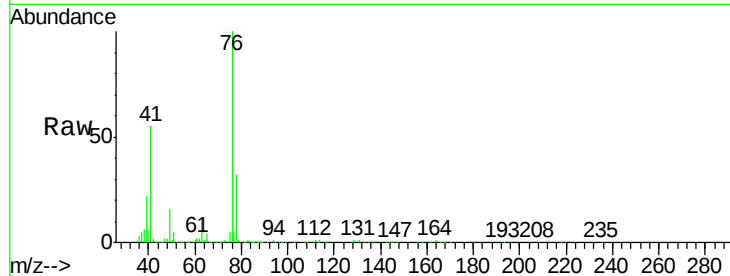
78 31.9 26.0 39.0

Manual Integrations

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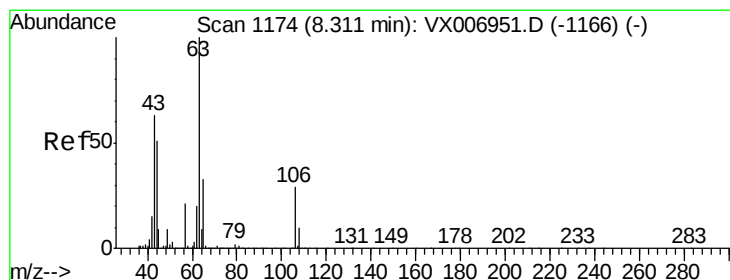
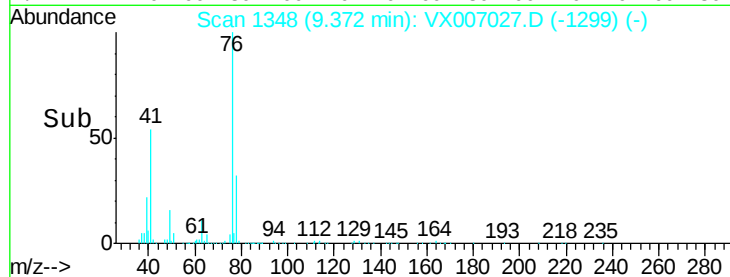
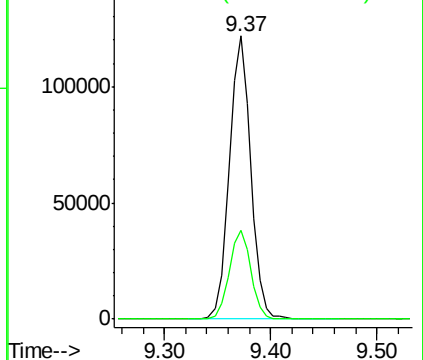
MMDadoda

1/14/2019 10:40:31 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 103.546 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX007027.D

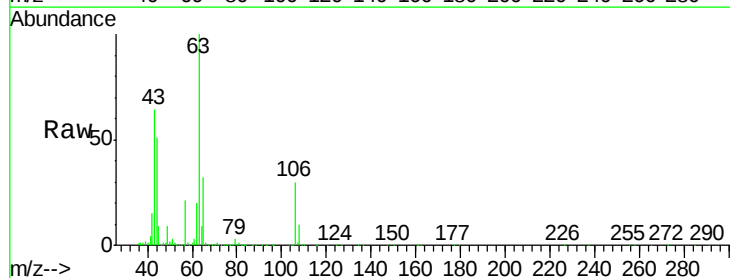
Acq: 11 Jan 2019 21:16

Tgt Ion: 63 Resp: 399014

Ion Ratio Lower Upper

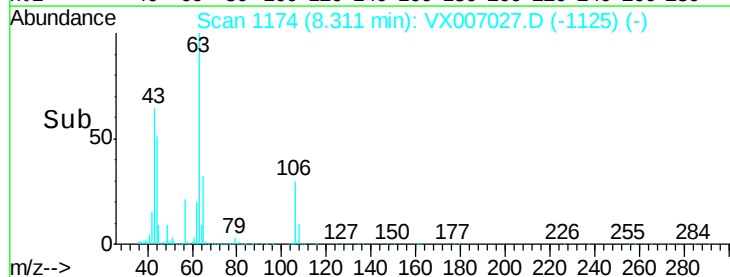
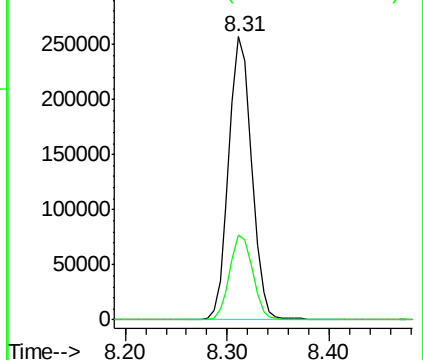
63 100

106 30.3 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





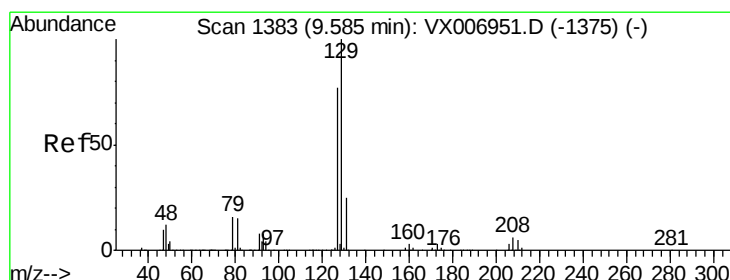
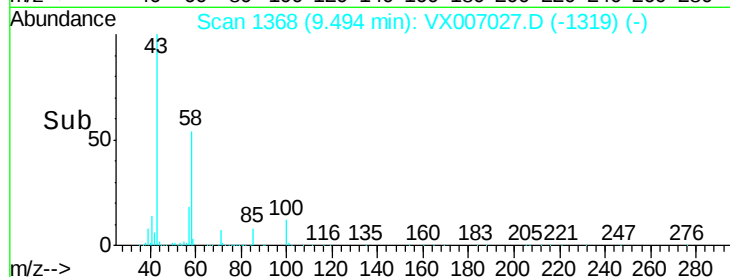
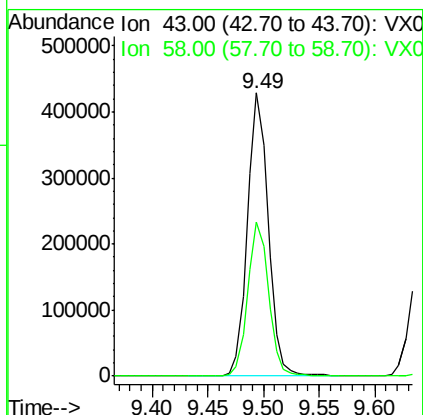
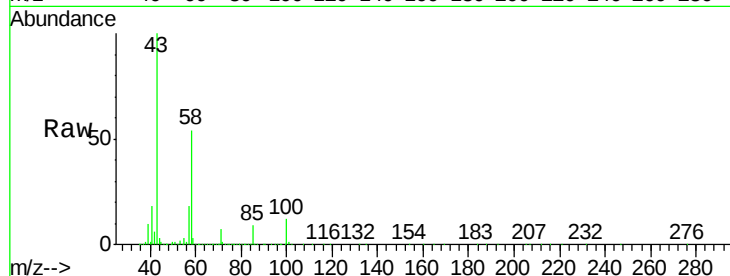
#59
2-Hexanone
Concen: 102.814 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBSD01

Tot Ion: 43 Resp: 556886
Ion Ratio Lower Upper
43 100
58 54.7 27.7 83.1

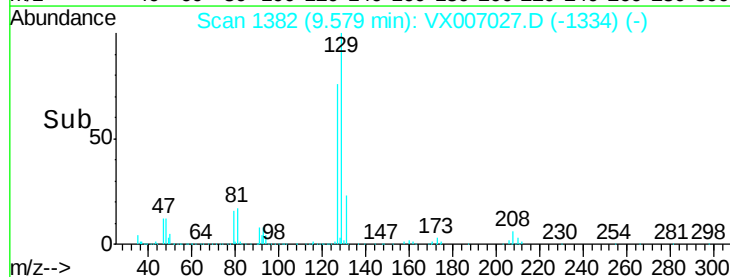
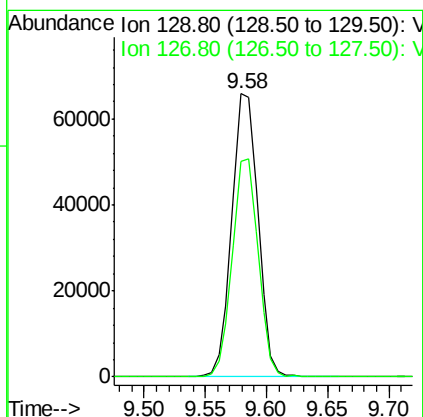
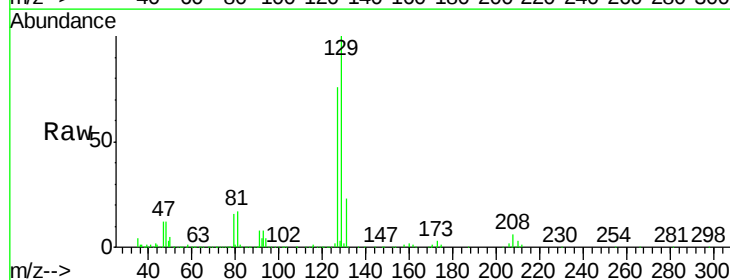
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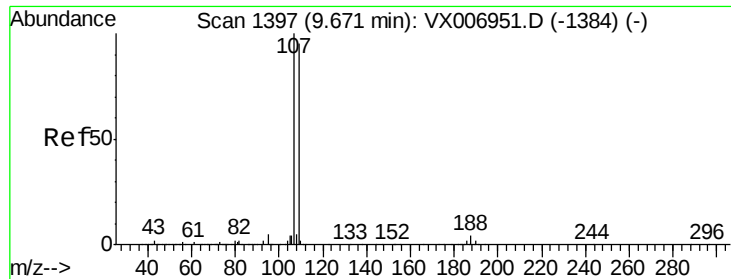
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#60
Dibromochloromethane
Concen: 19.564 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion: 129 Resp: 97530
Ion Ratio Lower Upper
129 100
127 76.0 39.3 117.8





#61

1,2-Dibromoethane

Concen: 20.172 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBSD01

Tot Ion: 107 Resp: 114009

Ion Ratio Lower Upper

107 100

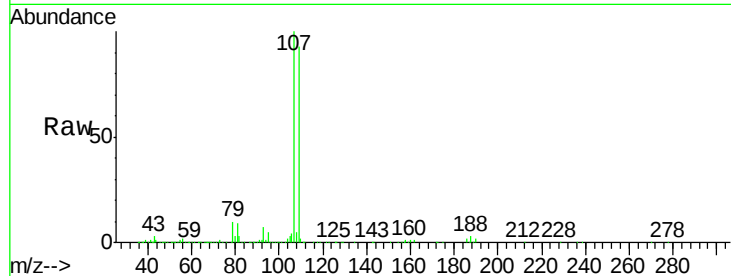
109 94.7 75.8 113.6

Manual Integrations

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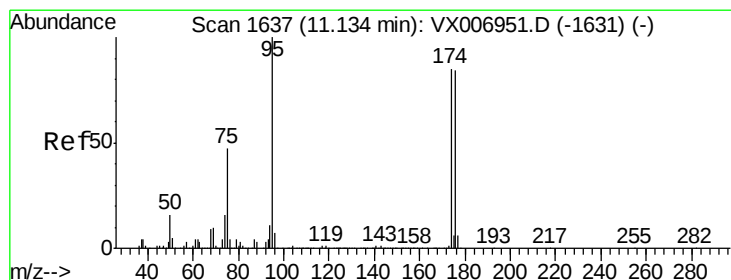
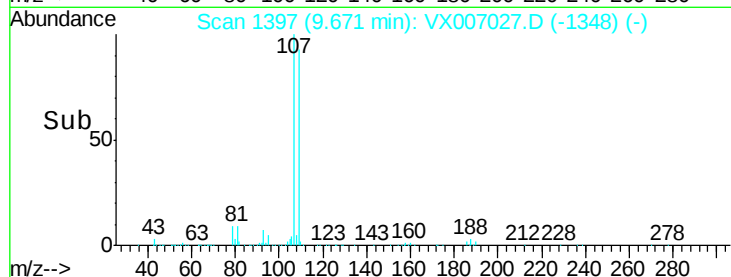
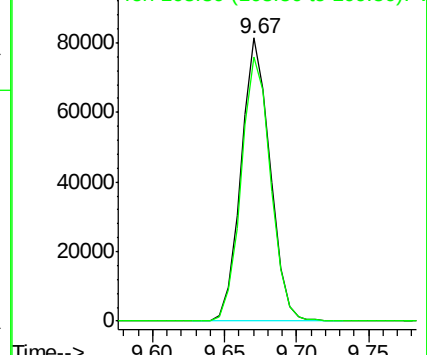
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.392 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

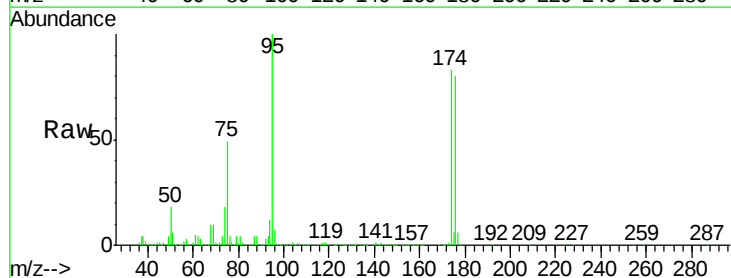
Tgt Ion: 95 Resp: 322064

Ion Ratio Lower Upper

95 100

174 91.2 0.0 182.2

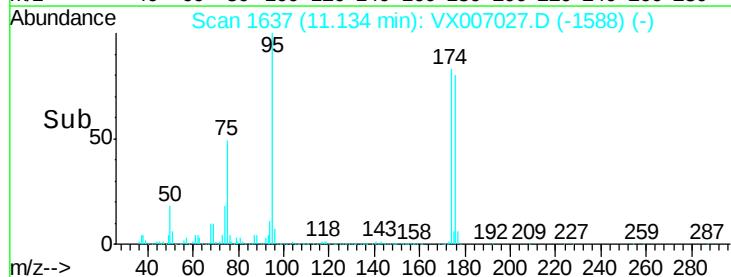
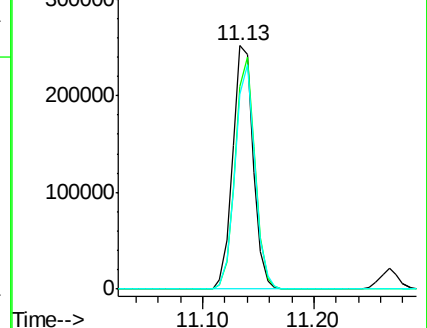
176 89.1 0.0 178.8

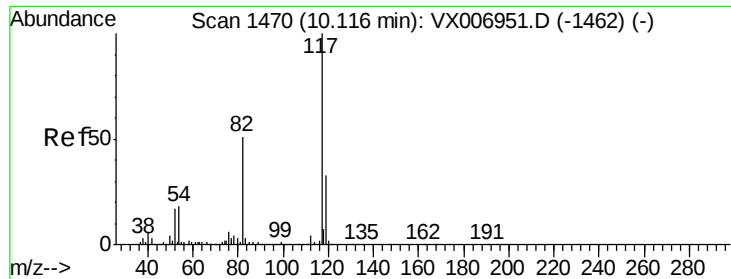


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





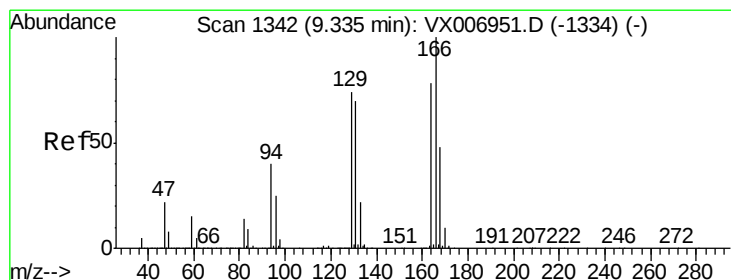
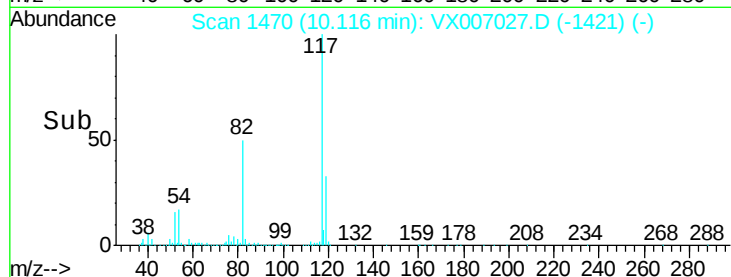
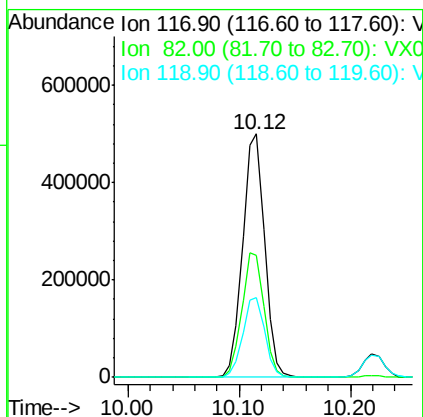
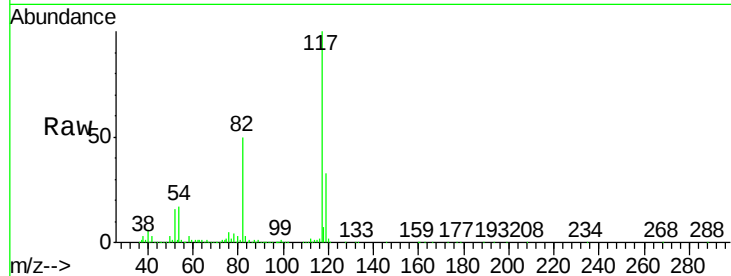
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	684495		
82	50.1		41.0	61.6
119	32.5		25.4	38.0

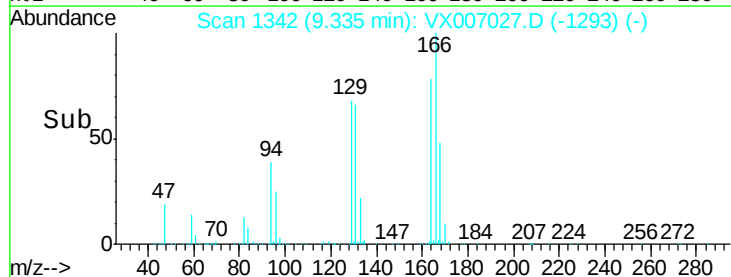
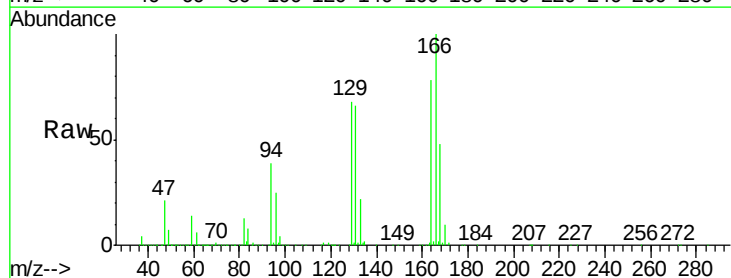
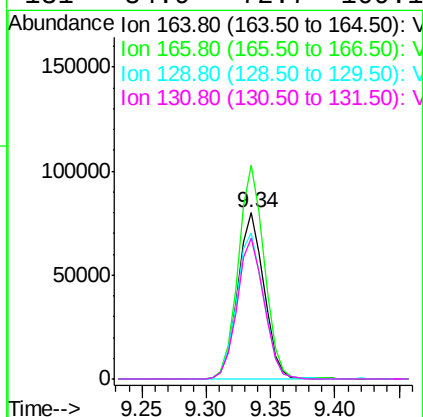
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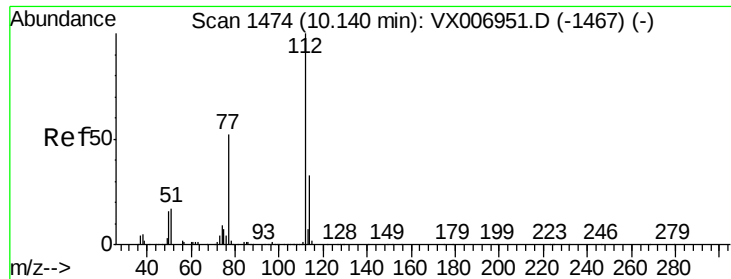
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#64
Tetrachloroethene
Concen: 19.122 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	113319		
166	128.4		102.5	153.7
129	87.9		75.1	112.7
131	84.9		72.7	109.1





#65

Chlorobenzene

Concen: 20.063 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBSD01

Tot Ion:112 Resp: 299528

Ion Ratio Lower Upper

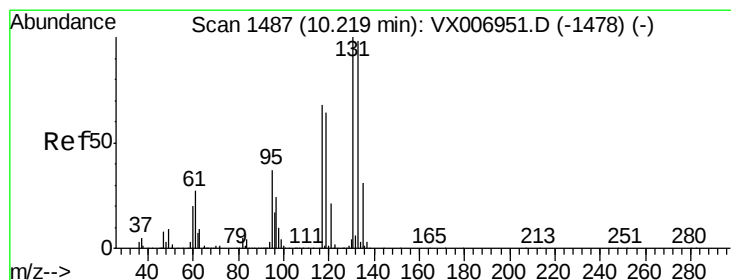
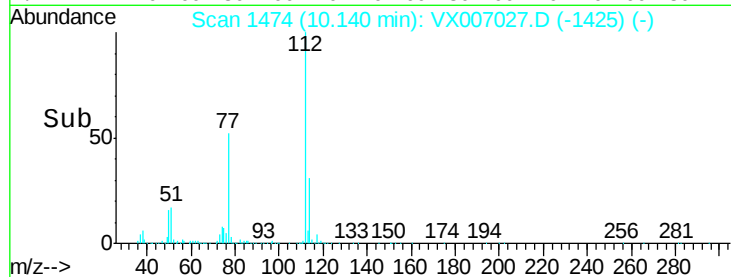
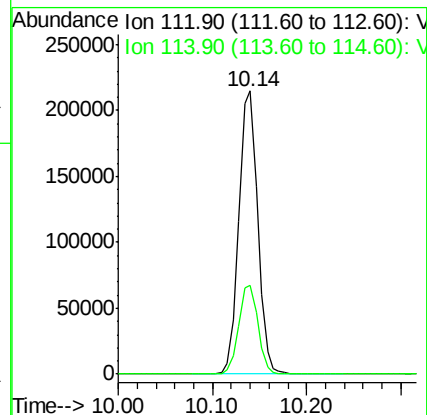
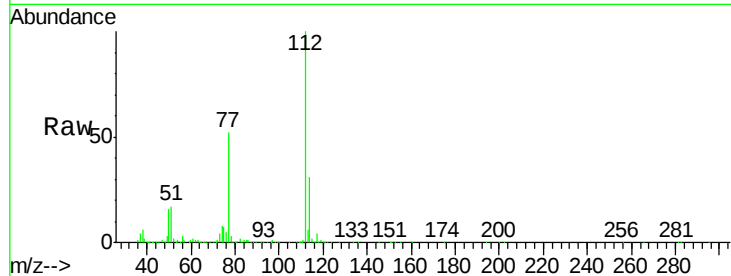
112 100

114 31.5 25.7 38.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.045 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

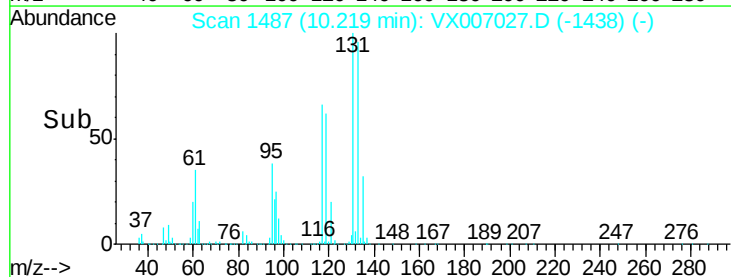
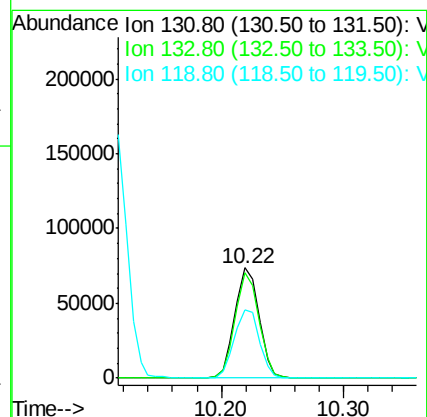
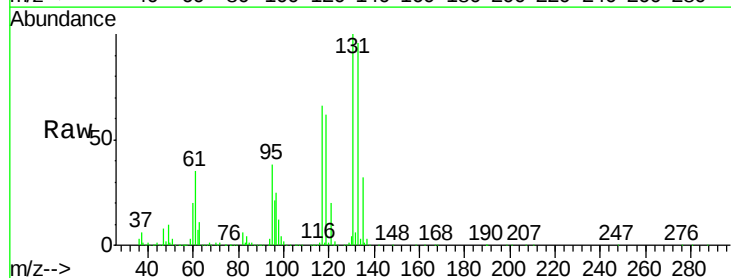
Tgt Ion:131 Resp: 100671

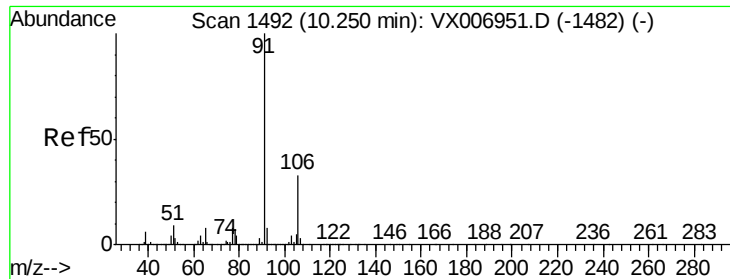
Ion Ratio Lower Upper

131 100

133 93.6 48.0 144.2

119 65.1 32.6 97.8





#67

Ethyl Benzene

Concen: 19.625 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBS01

Tot Ion: 91 Resp: 483676

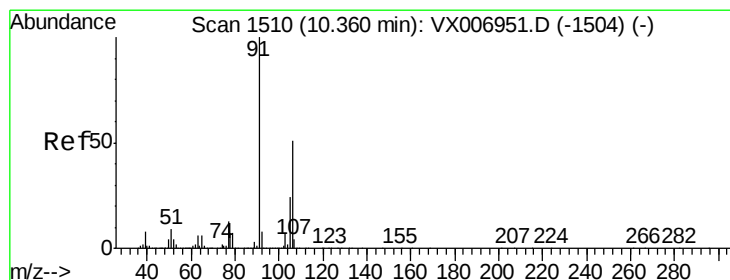
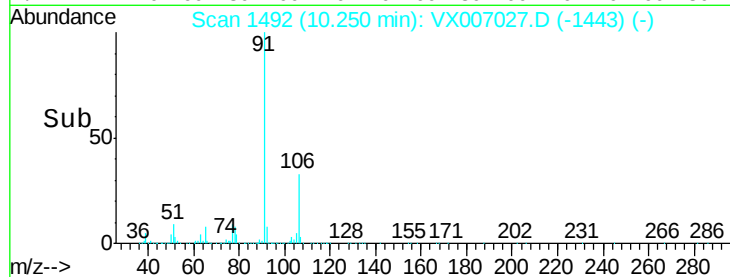
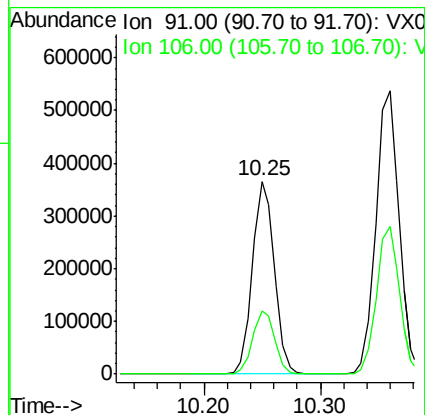
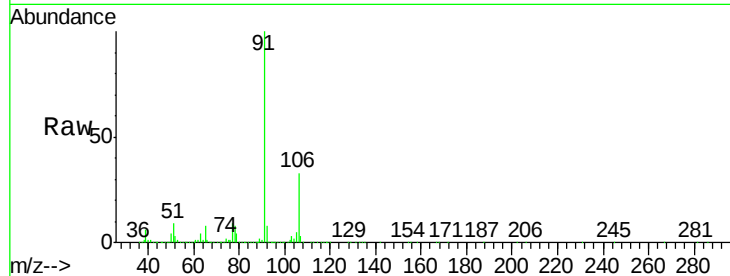
Ion Ratio Lower Upper

91 100

106 32.7 26.4 39.6

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#68

m/p-Xylenes

Concen: 39.739 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007027.D

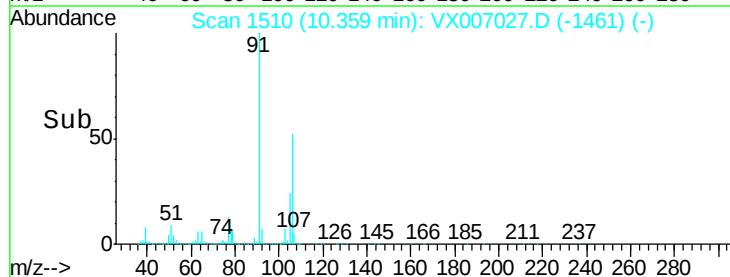
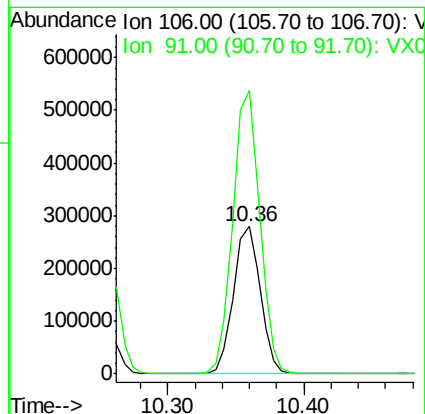
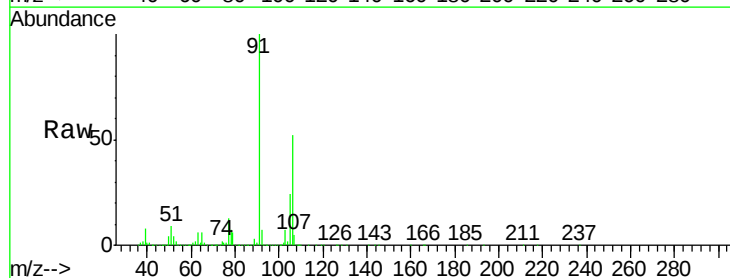
Acq: 11 Jan 2019 21:16

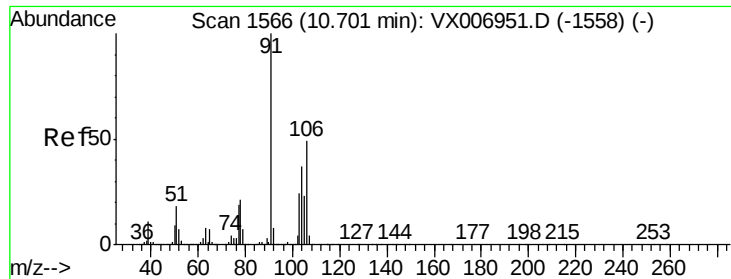
Tgt Ion: 106 Resp: 385877

Ion Ratio Lower Upper

106 100

91 193.2 155.8 233.6





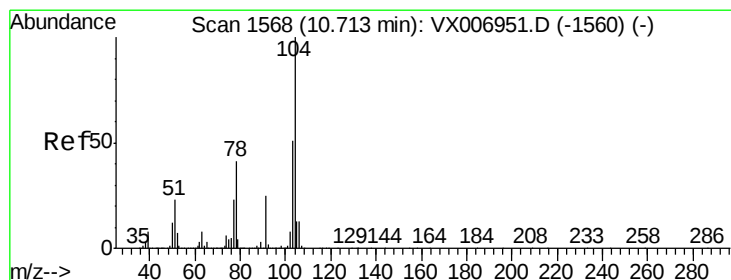
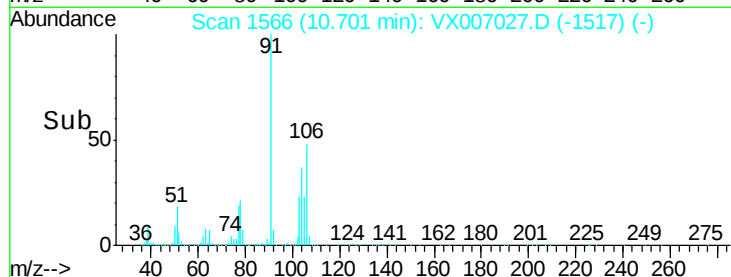
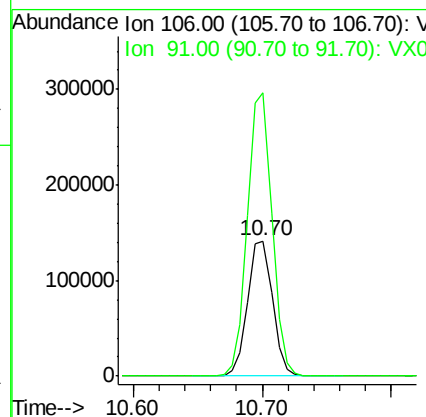
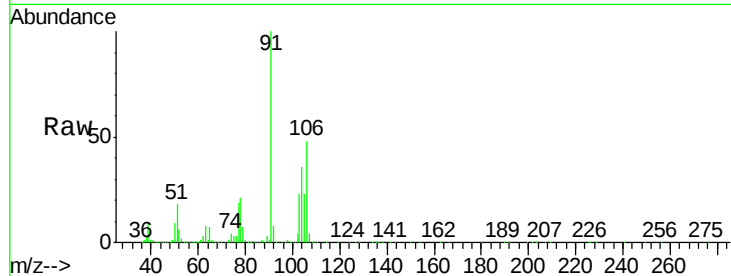
#69
o-Xylene
Concen: 19.951 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		188934		
91	206.8	101.3	303.7		

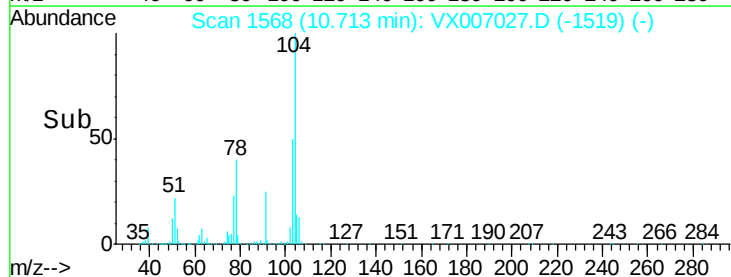
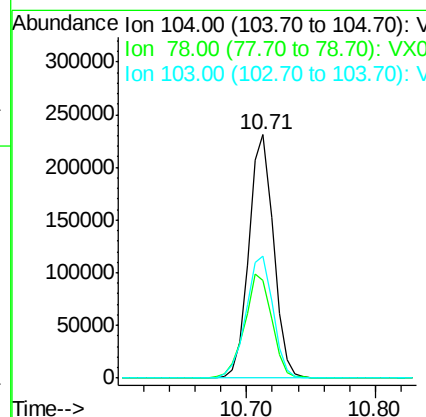
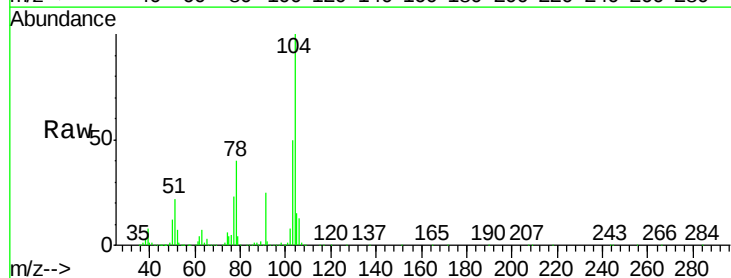
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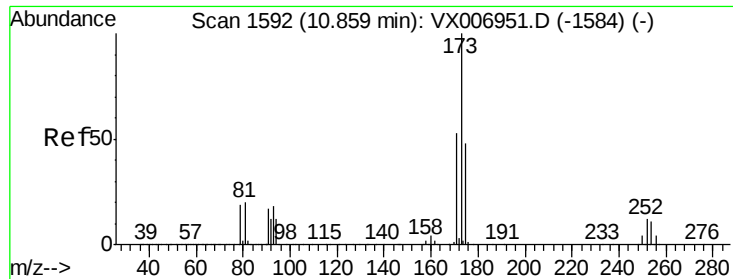
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#70
Styrene
Concen: 20.194 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		302877		
78	47.4	37.7	56.5		
103	55.3	43.8	65.8		





#71

Bromoform

Concen: 18.517 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBSD01

Tot Ion:173 Resp: 68430

Ion Ratio Lower Upper

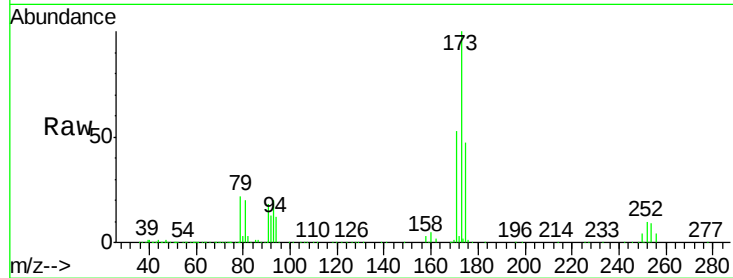
173 100

175 48.4 24.7 74.1

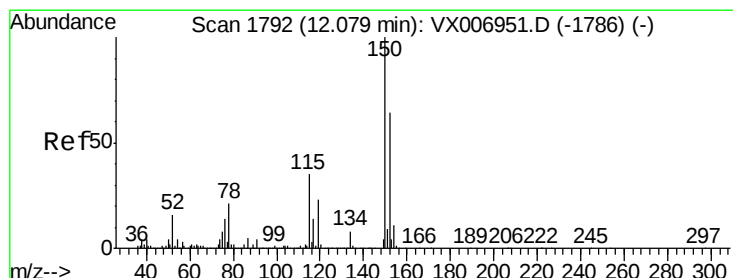
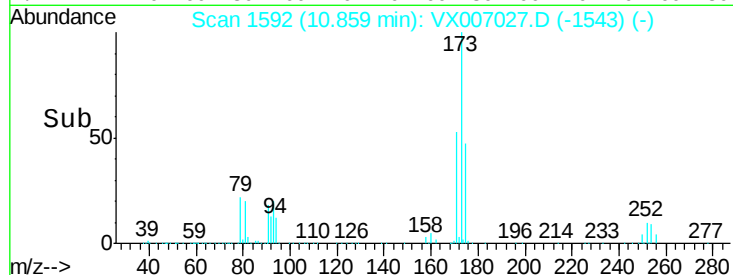
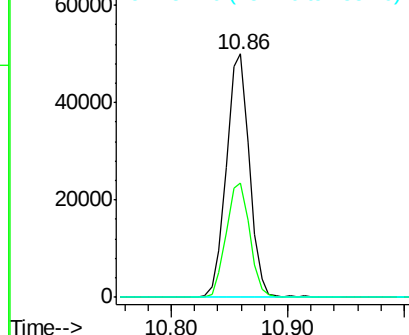
254 0.1 0.2 0.2#

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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: VX007027.D

Acq: 11 Jan 2019 21:16

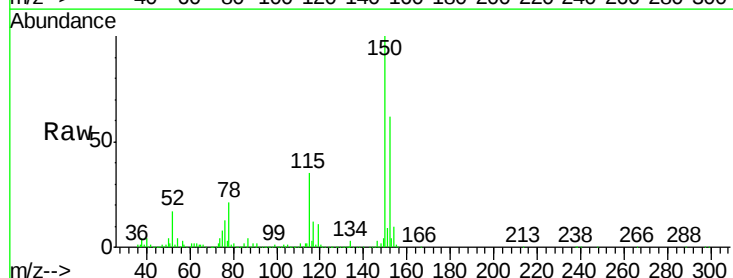
Tgt Ion:152 Resp: 343600

Ion Ratio Lower Upper

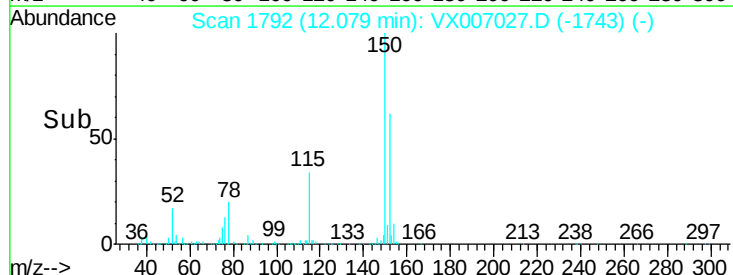
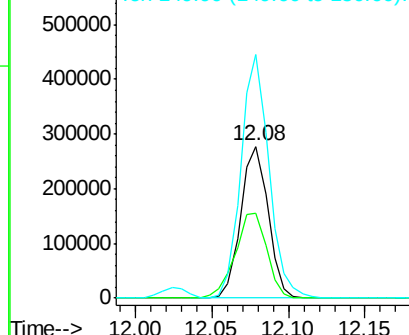
152 100

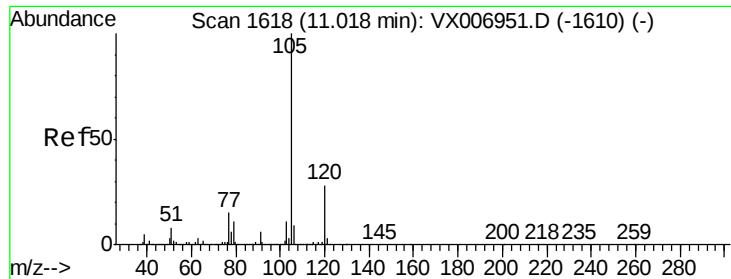
115 64.6 39.1 117.2

150 164.7 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: 20.488 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX011MBSD01

Tot Ion: 105 Resp: 496391

Ion Ratio Lower Upper

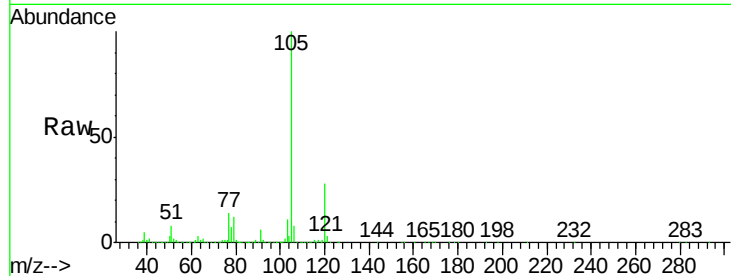
105 100

120 28.2 14.1 42.4

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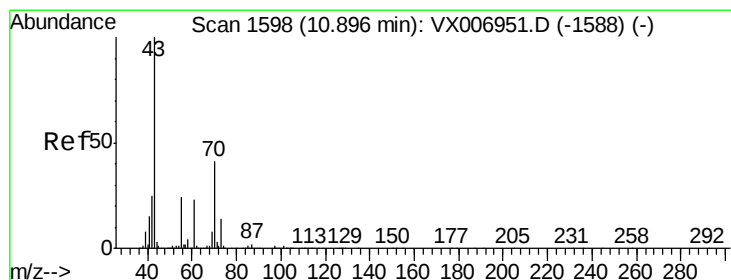
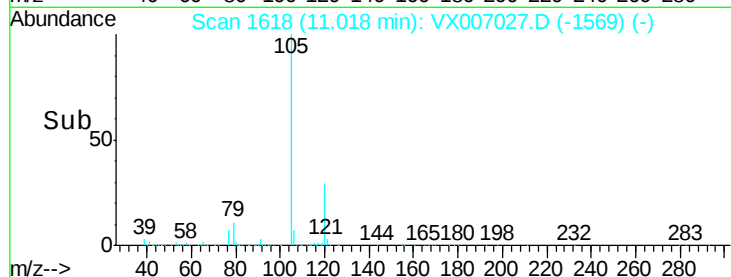
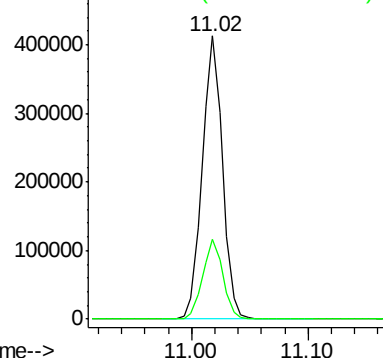
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.515 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Tgt Ion: 43 Resp: 190367

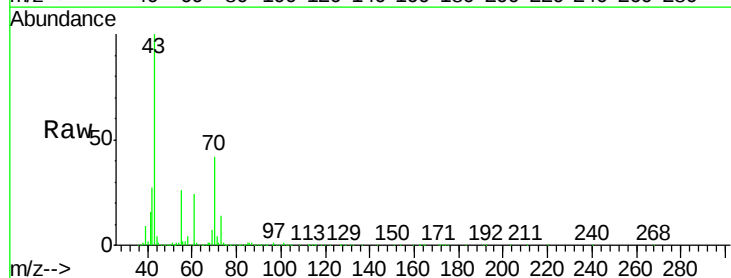
Ion Ratio Lower Upper

43 100

70 44.1 35.8 53.8

55 25.5 19.4 29.0

61 25.1 20.1 30.1

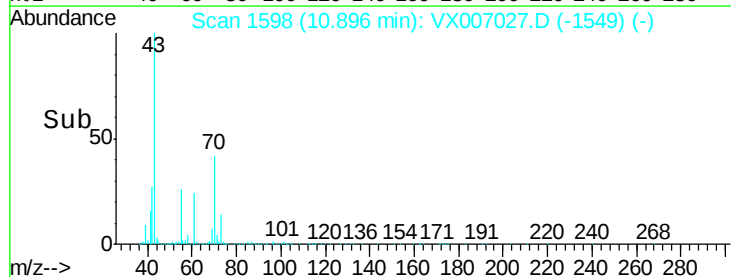
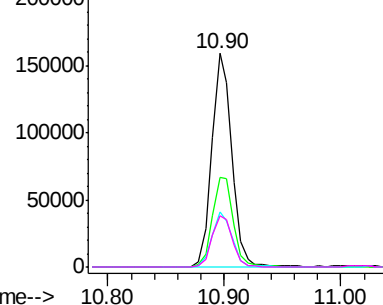


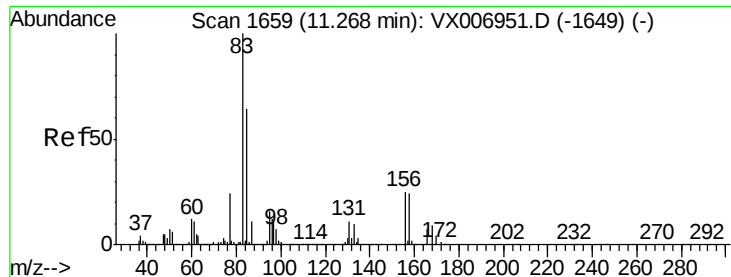
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.416 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBSD01

Tot Ion: 83 Resp: 157034

Ion Ratio Lower Upper

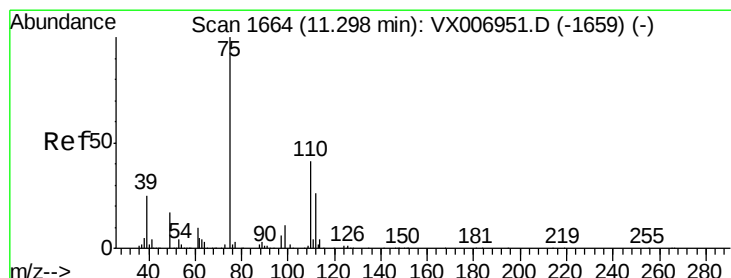
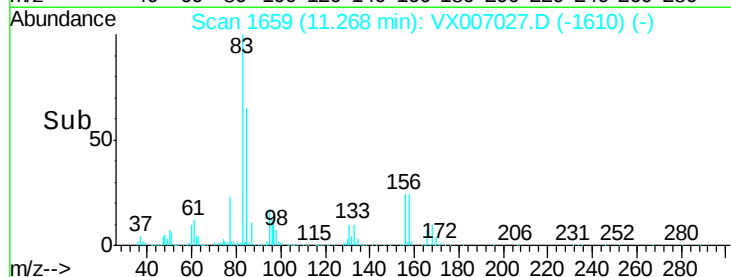
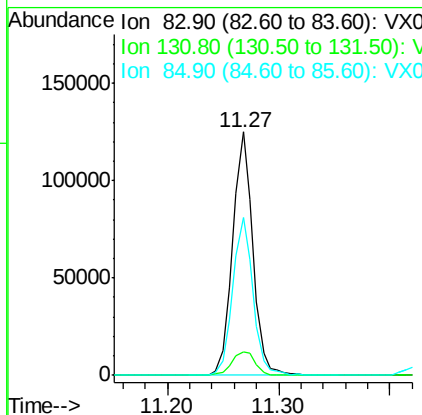
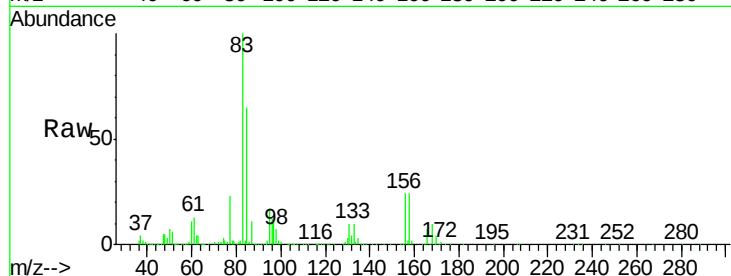
83 100

131 11.2 5.7 17.1

85 65.2 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 20.364 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX007027.D

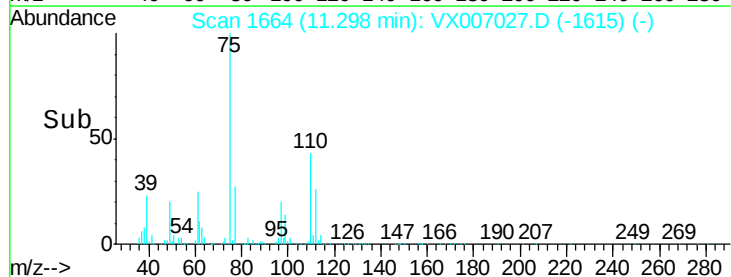
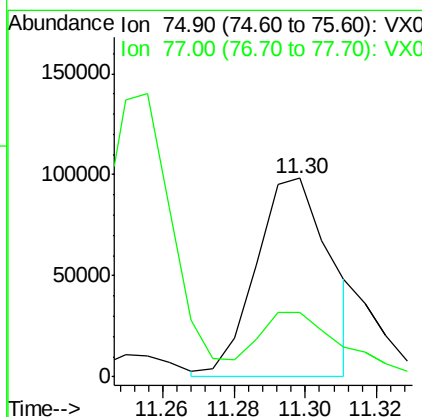
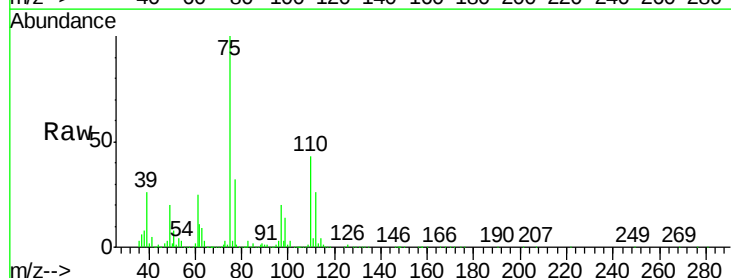
Acq: 11 Jan 2019 21:16

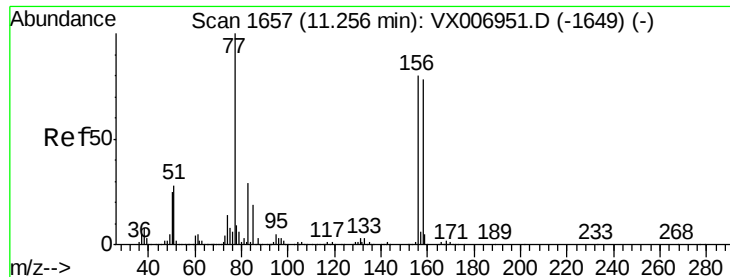
Tgt Ion: 75 Resp: 141791

Ion Ratio Lower Upper

75 100

77 36.7 18.5 55.5





#77

Bromobenzene

Concen: 20.460 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

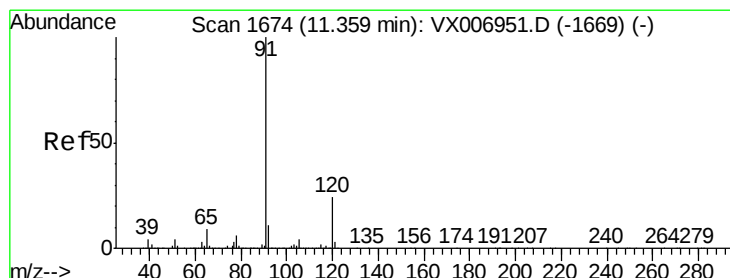
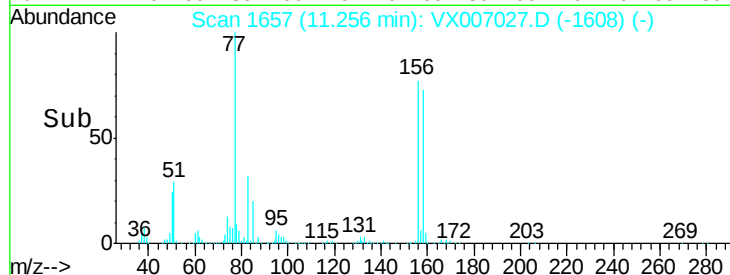
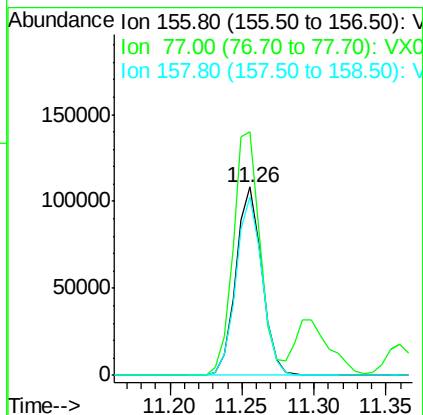
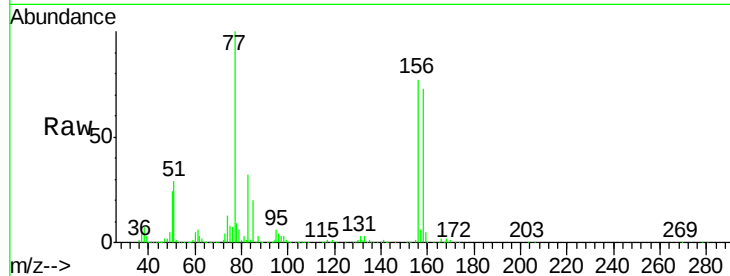
ClientSampleId :

VX0111MBSD01

Tot Ion:	156	Resp:	136588
Ion Ratio	Lower	Upper	
156	100		
77	135.8	68.0	204.0
158	95.8	48.3	144.8

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#78

n-propylbenzene

Concen: 20.468 ug/l

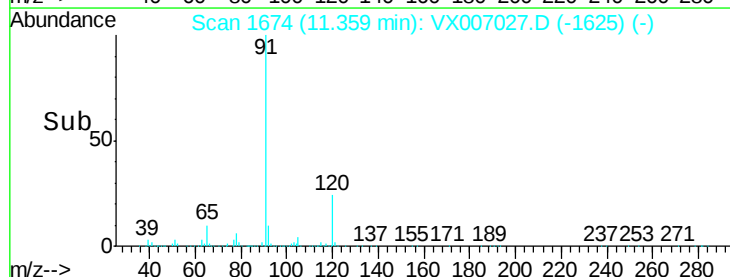
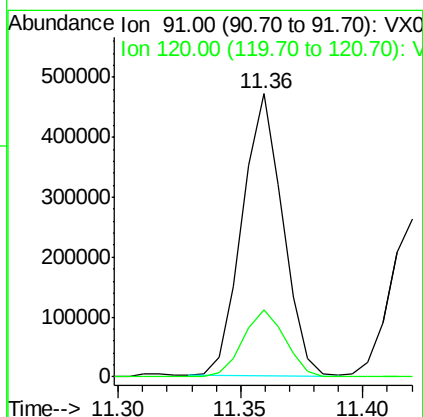
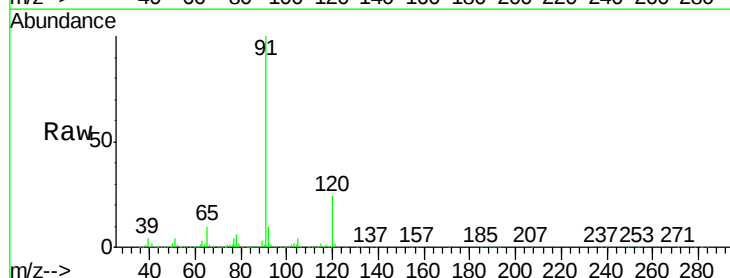
RT: 11.36 min Scan# 1674

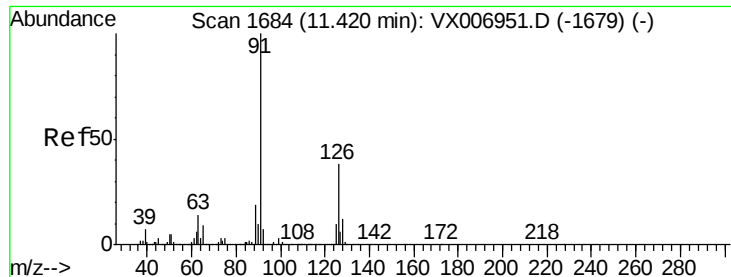
Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Tgt Ion:	91	Resp:	544403
Ion Ratio	Lower	Upper	
91	100		
120	24.7	12.7	38.0





#79

2-Chlorotoluene

Concen: 20.334 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBS01

Tot Ion: 91 Resp: 325572

Ion Ratio Lower Upper

91 100

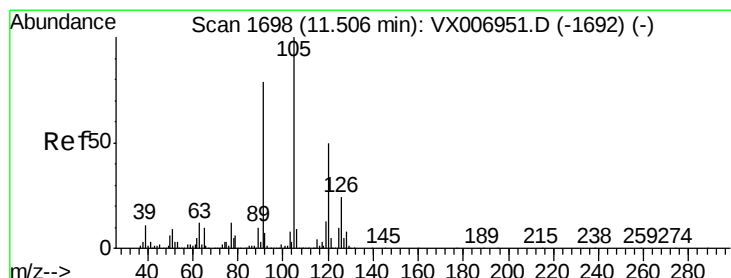
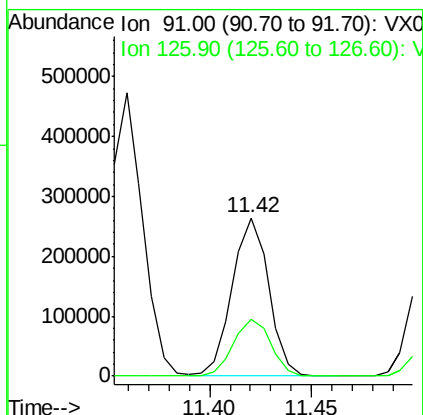
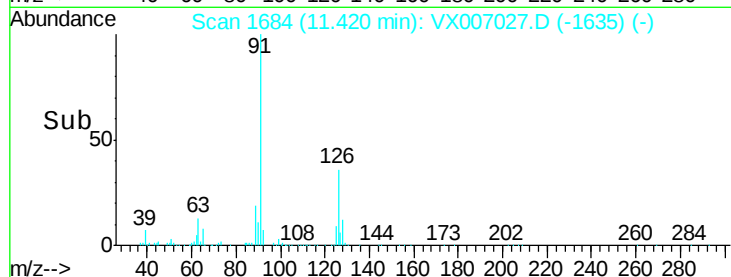
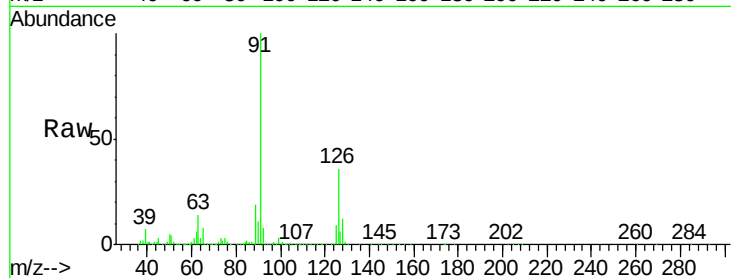
126 37.5 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.178 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007027.D

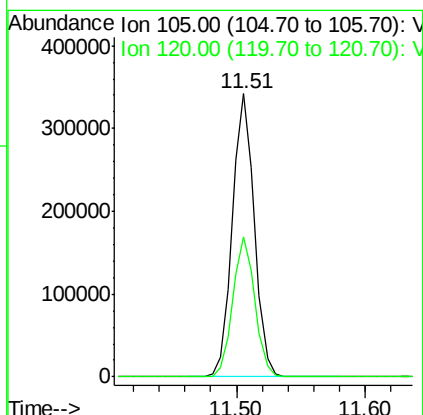
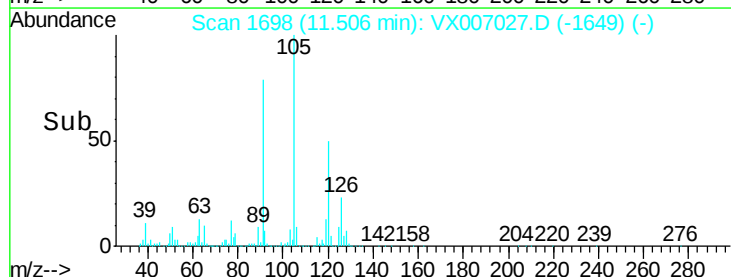
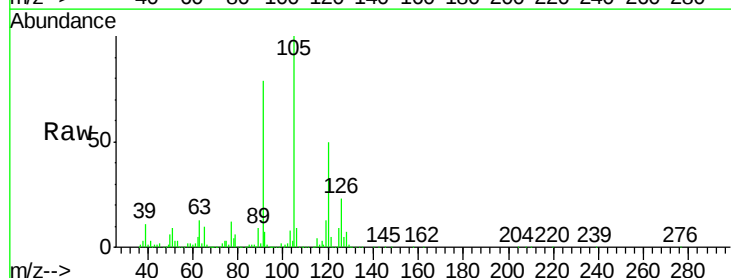
Acq: 11 Jan 2019 21:16

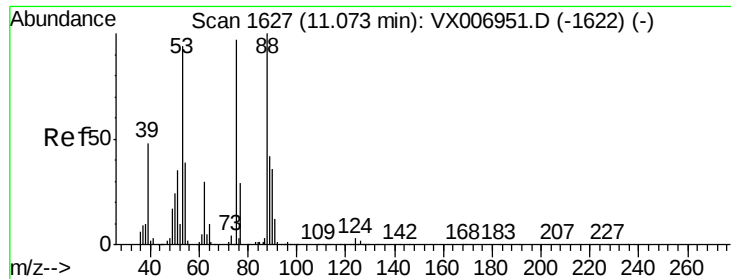
Tgt Ion: 105 Resp: 408509

Ion Ratio Lower Upper

105 100

120 49.6 25.1 75.3





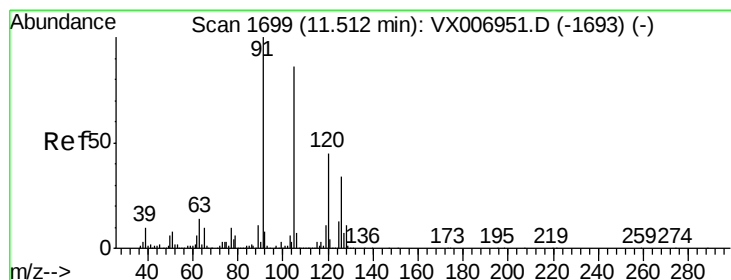
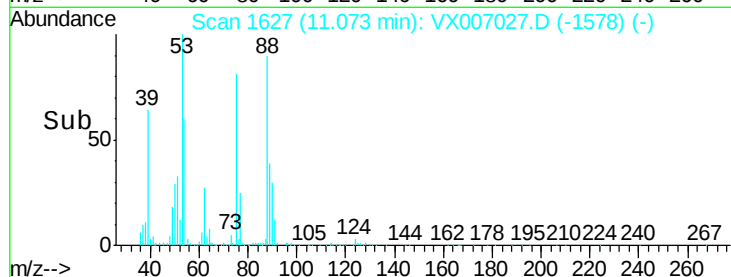
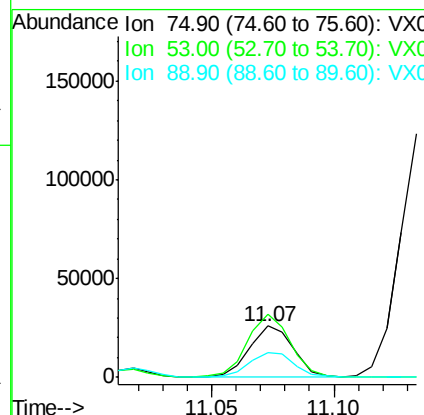
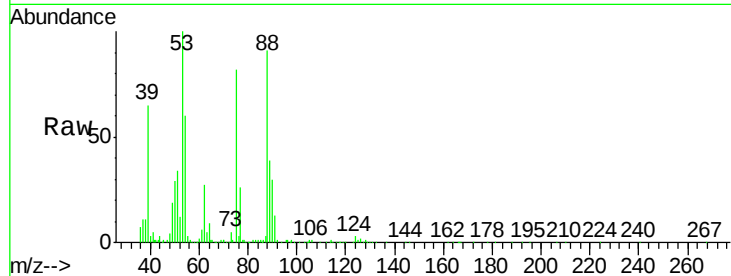
#81
trans-1,4-Dichloro-2-butene
Concen: 16.634 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.7	79.7	119.5#
89	49.5	38.0	57.0

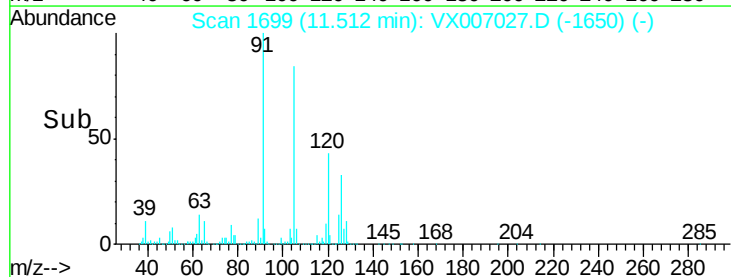
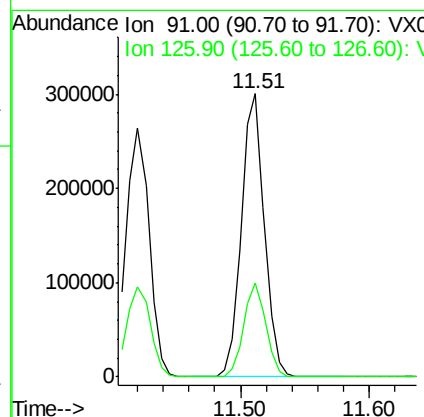
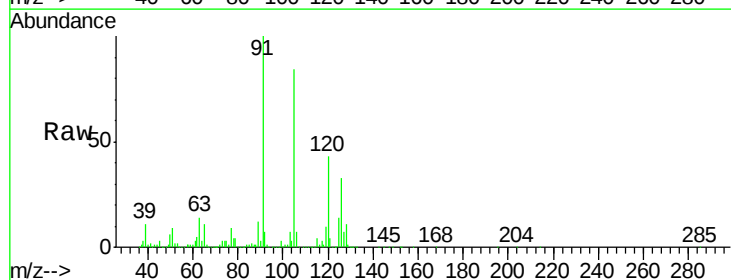
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#82
4-Chlorotoluene
Concen: 20.036 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.3	48.9





#83

tert-Butylbenzene

Concen: 19.625 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

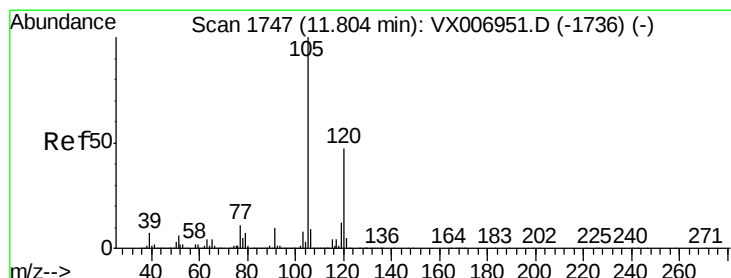
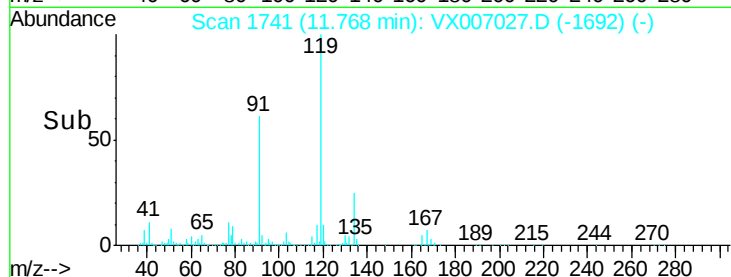
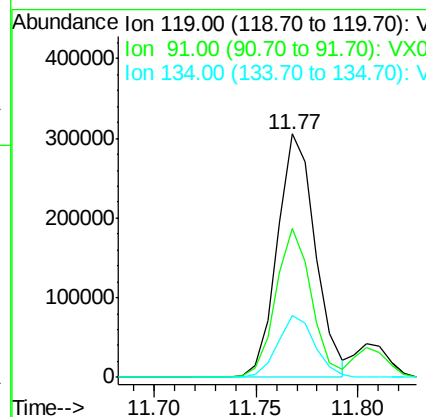
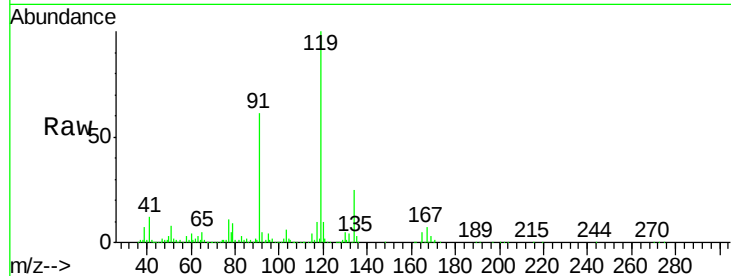
ClientSampleId :

VX0111MBSD01

Tot Ion:	119	Resp:	396407
Ion Ratio	Lower	Upper	
119	100		
91	57.6	27.7	83.1
134	24.9	11.9	35.5

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#84

1,2,4-Trimethylbenzene

Concen: 20.595 ug/l

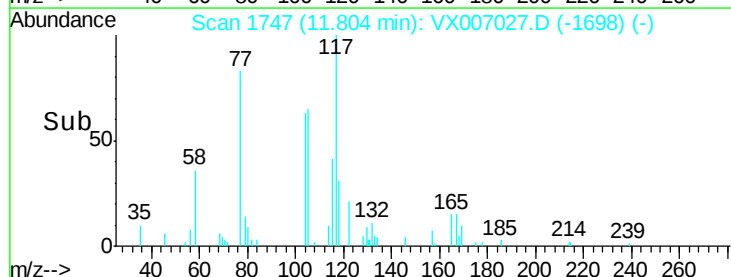
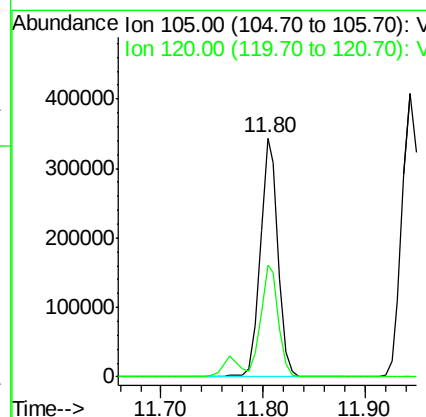
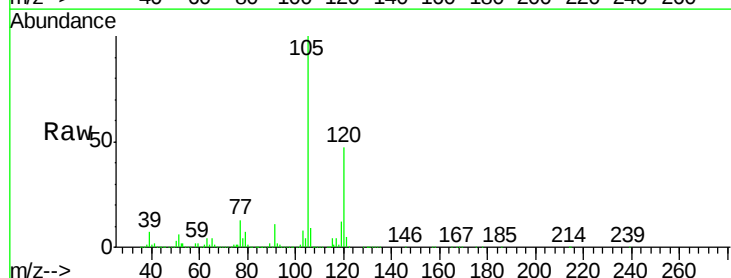
RT: 11.80 min Scan# 1747

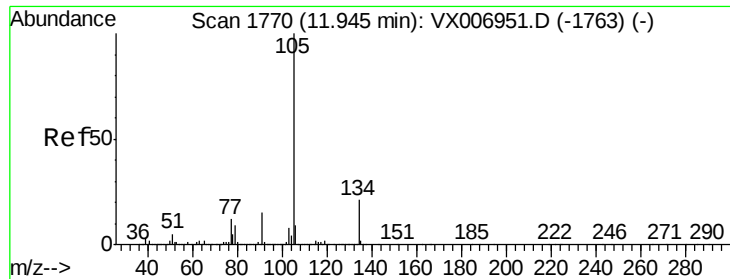
Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Tgt Ion:	105	Resp:	419268
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.2	69.6





#85

sec-Butylbenzene

Concen: 20.327 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

VX0111MBSD01

Tot Ion:105 Resp: 490357

Ion Ratio Lower Upper

105 100

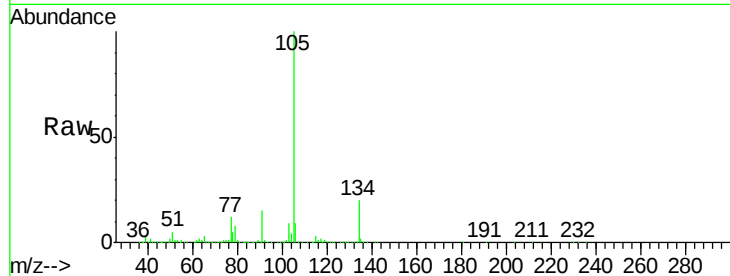
134 21.3 10.7 31.9

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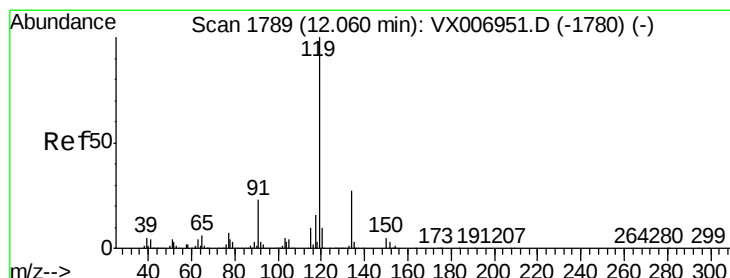
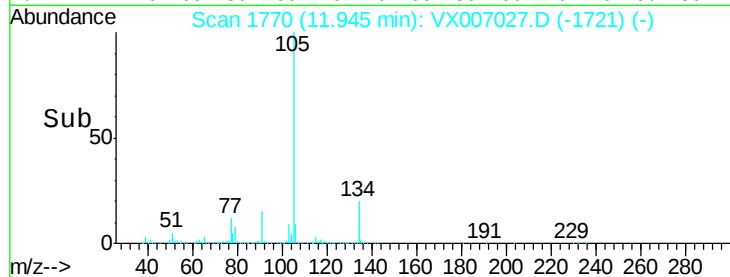
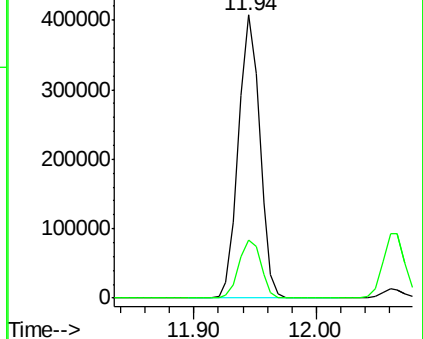
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.251 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

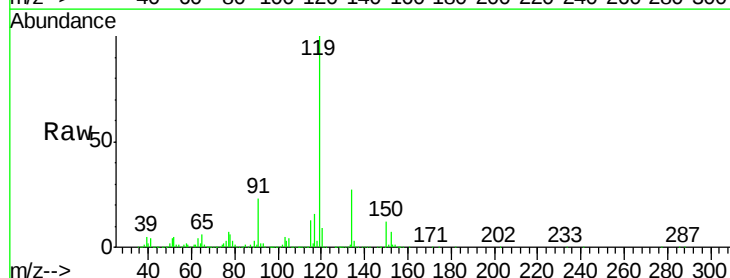
Tgt Ion:119 Resp: 436952

Ion Ratio Lower Upper

119 100

134 27.3 14.0 41.9

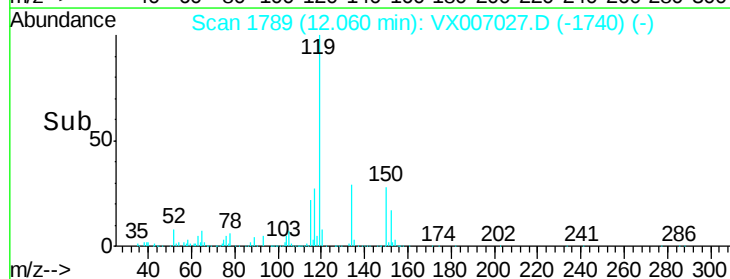
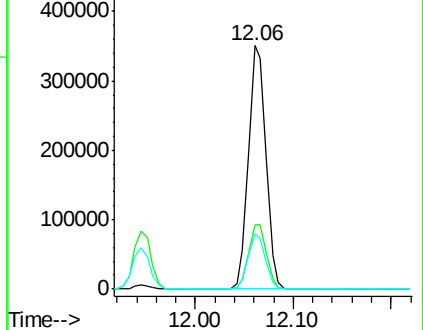
91 22.4 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





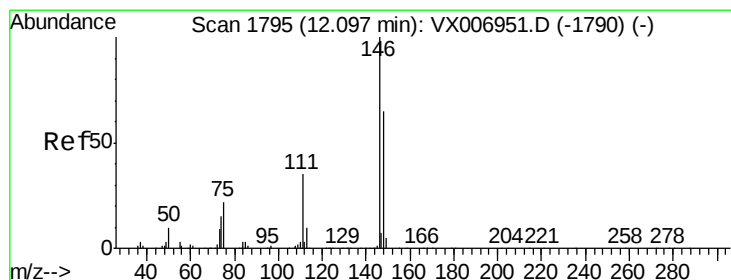
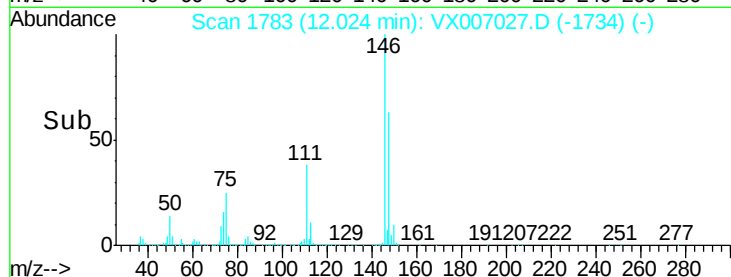
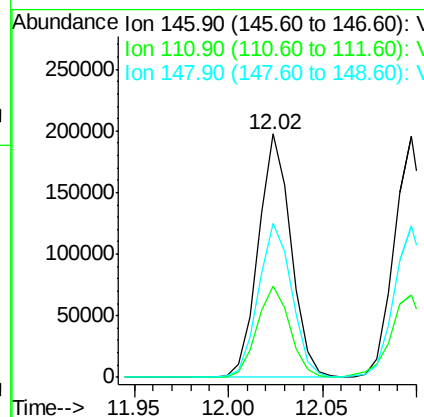
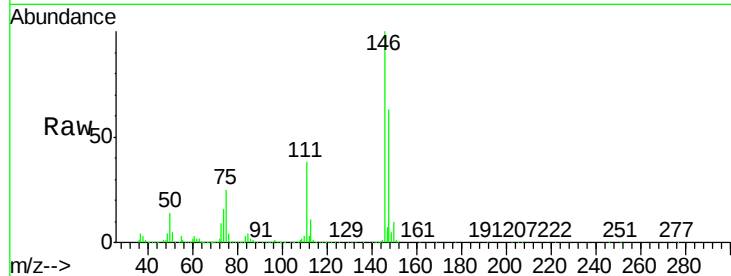
#87
 1,3-Dichlorobenzene
 Concen: 19.576 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007027.D
 Acq: 11 Jan 2019 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0111MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.9	31.8	95.3

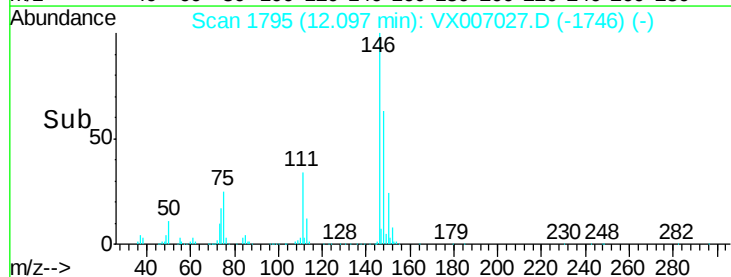
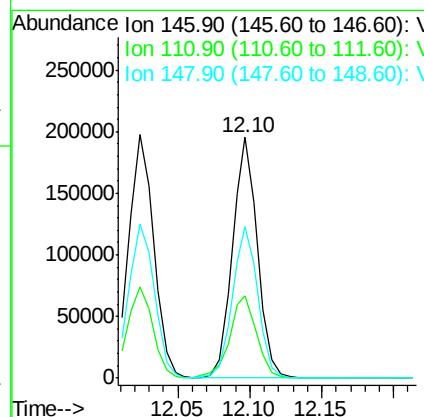
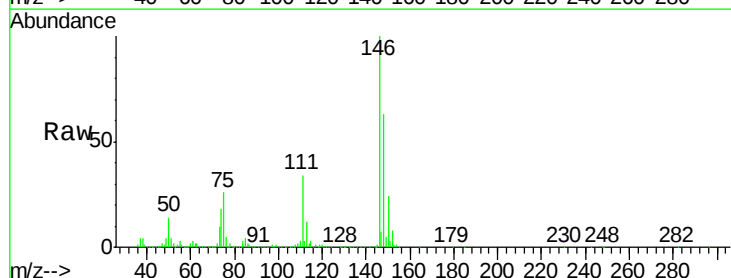
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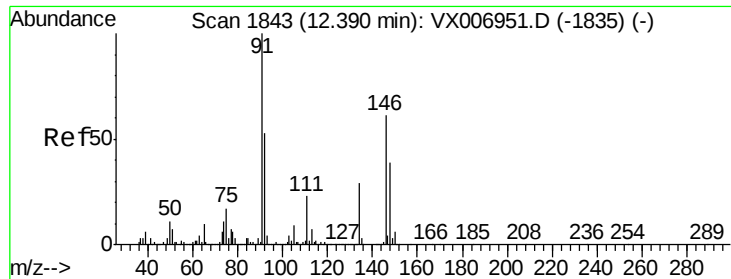
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#88
 1,4-Dichlorobenzene
 Concen: 20.804 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007027.D
 Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	64.3	31.9	95.9





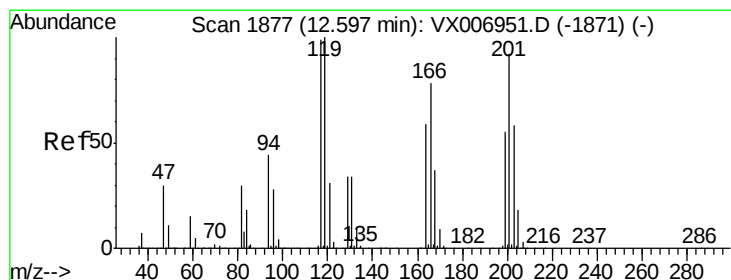
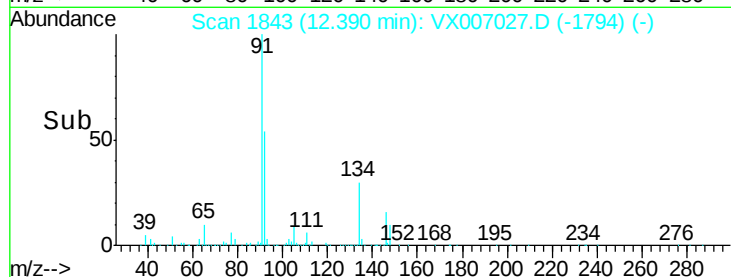
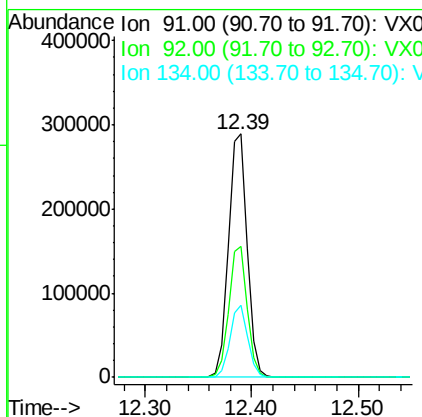
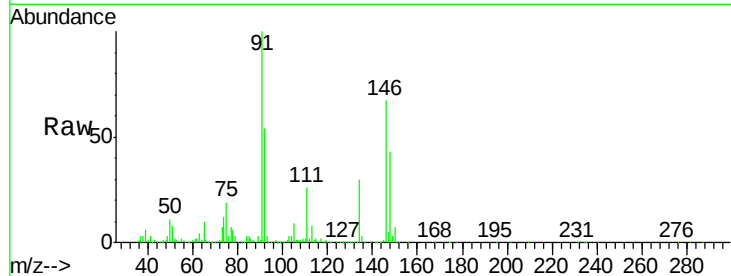
#89
n-Butylbenzene
Concen: 19.394 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.9	26.8	80.4	
134	28.2	14.4	43.2	

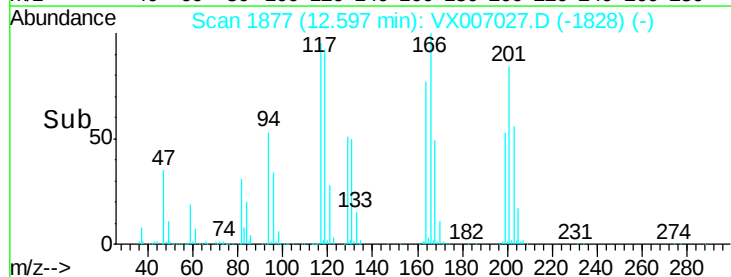
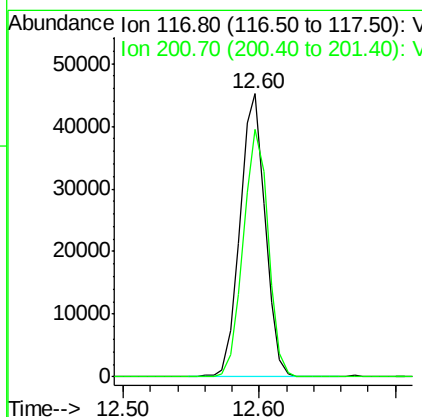
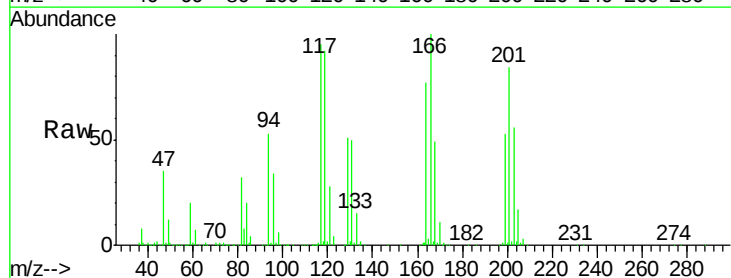
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#90
Hexachloroethane
Concen: 18.890 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.5	42.9	128.7	





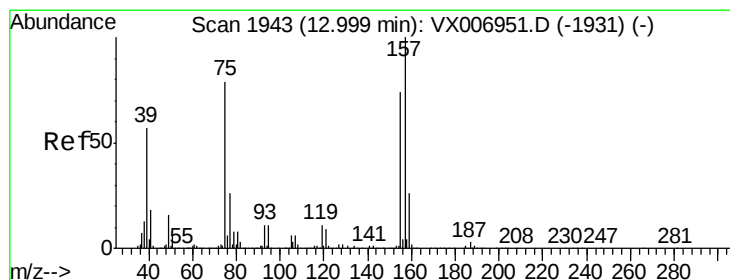
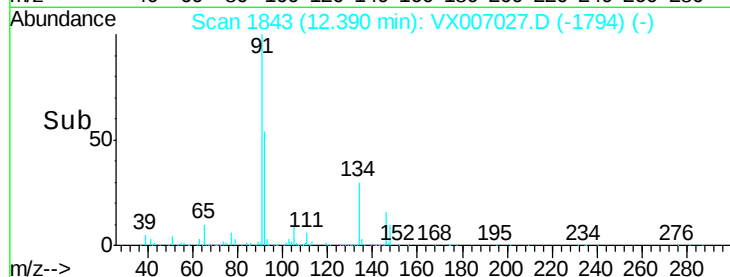
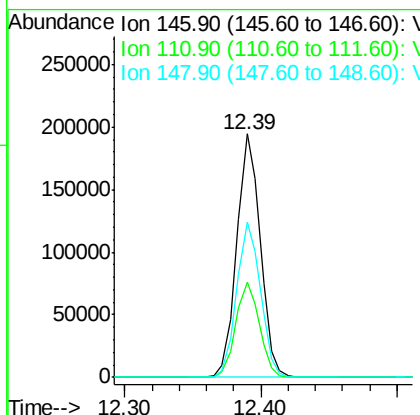
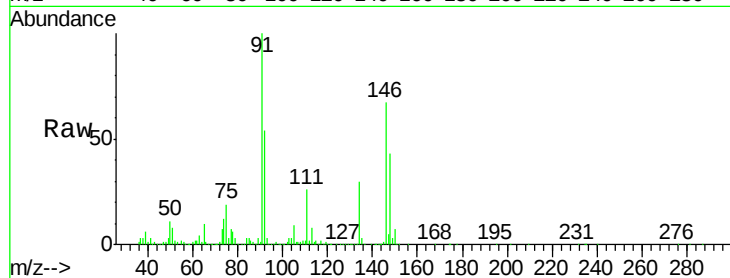
#91
 1,2-Dichlorobenzene
 Concen: 19.703 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007027.D
 Acq: 11 Jan 2019 21:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0111MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.4	58.2
148	64.5	32.3	96.9

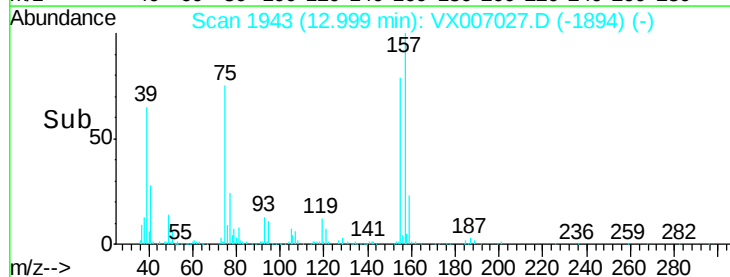
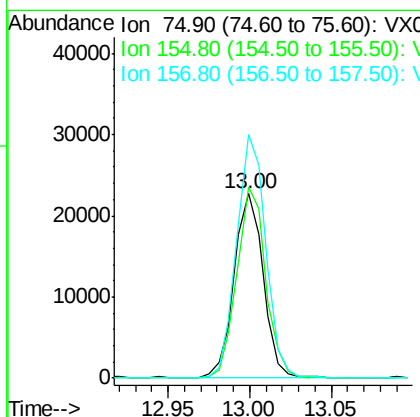
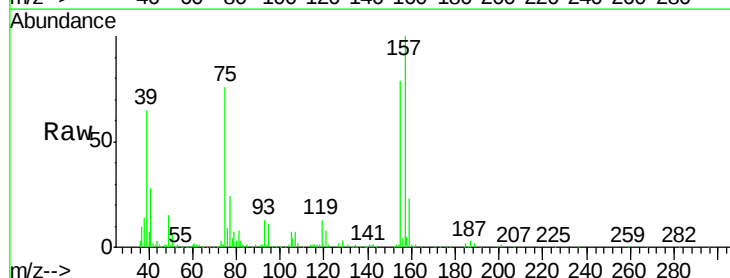
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.662 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007027.D
 Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.3	50.6	151.8
157	132.2	64.6	193.8





#93

1,2,4-Trichlorobenzene

Concen: 18.980 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX007027.D

Acq: 11 Jan 2019 21:16

Instrument :

MSVOA_X

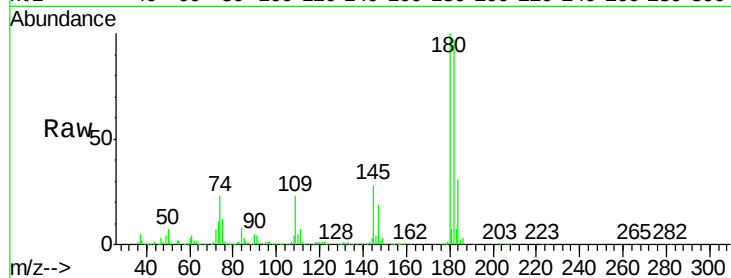
ClientSampleId :

VX0111MBS01

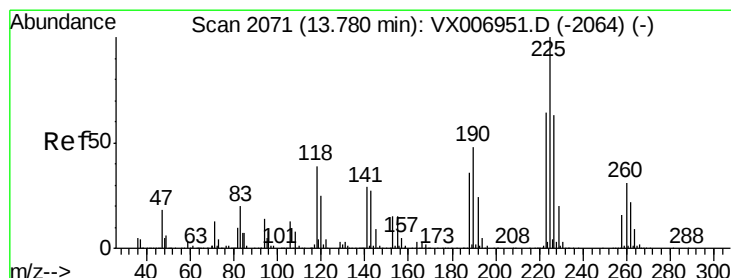
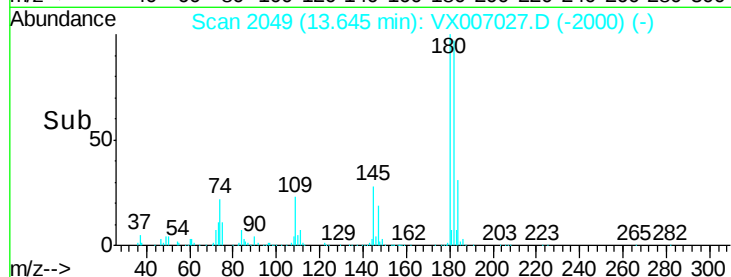
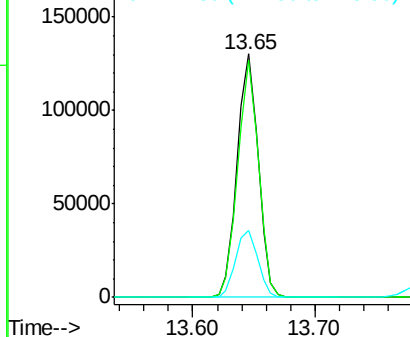
Tot Ion:	180	Resp:	155063
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.3	142.0
145	28.9	14.8	44.3

Manual Integrations
APPROVED

MMDadoda
1/14/2019 10:40:31 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.883 ug/l

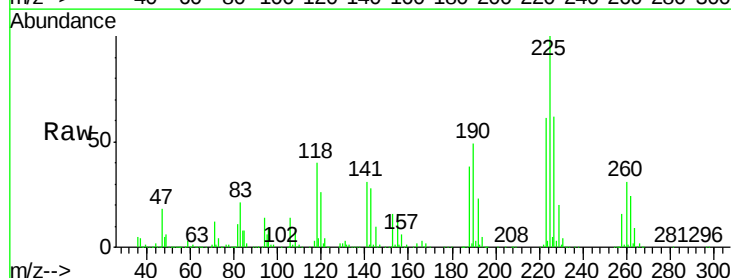
RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

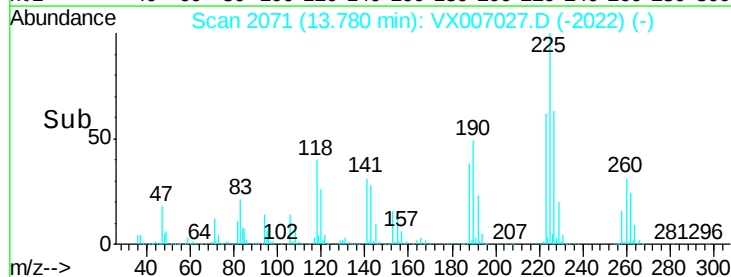
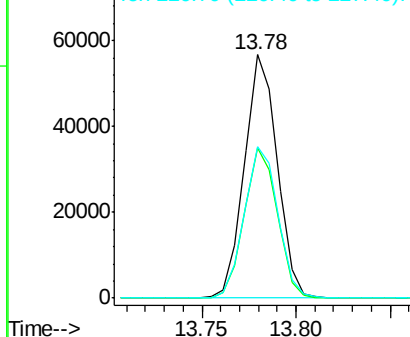
Lab File: VX007027.D

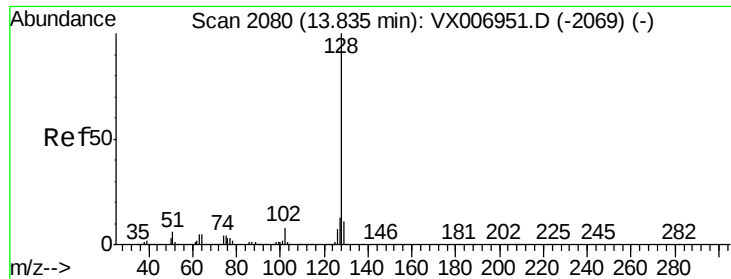
Acq: 11 Jan 2019 21:16

Tgt Ion:	225	Resp:	68459
Ion Ratio	Lower	Upper	
225	100		
223	62.3	32.1	96.3
227	64.1	32.3	96.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





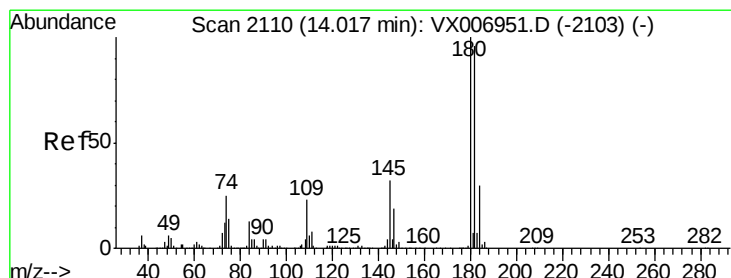
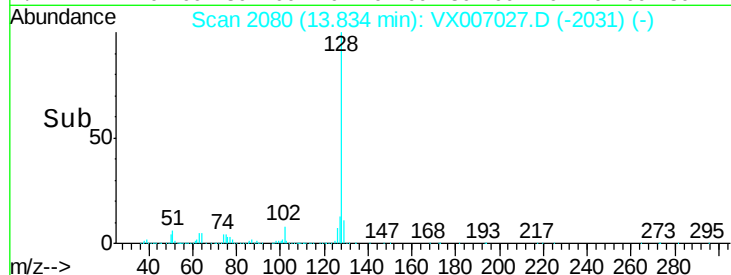
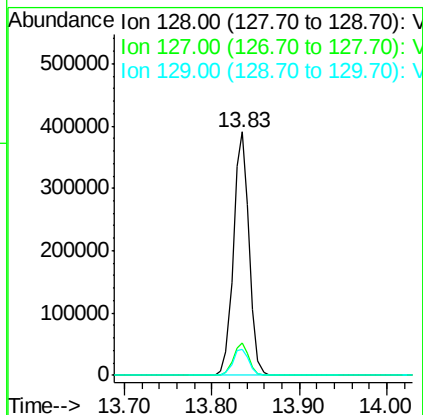
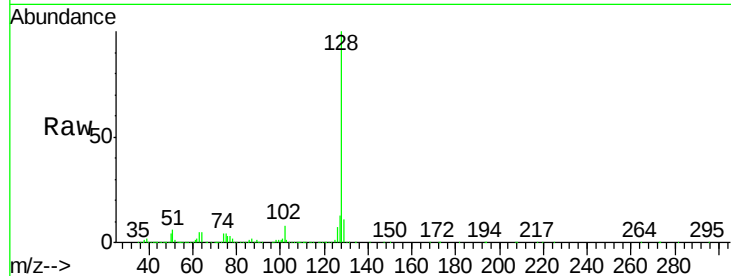
#95
Naphthalene
Concen: 19.665 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Instrument :
MSVOA_X
ClientSampleId :
VX0111MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/14/2019 10:40:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.391 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX007027.D
Acq: 11 Jan 2019 21:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.5	145.5
145	30.3	16.0	47.9

