

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122618\
 Data File : VX006827.D
 Acq On : 26 Dec 2018 19:08
 Operator : JC/MD
 Sample : VX1226MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226MBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/27/2018 9:40:37 AM

Quant Time: Dec 27 04:46:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	568829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	850374	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	742425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	361599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	300612	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	5.50	113	267280	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
50) Toluene-d8	8.71	98	961331	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
62) 4-Bromofluorobenzene	11.13	95	344678	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	86644	16.650	ug/l	99
3) Chloromethane	1.33	50	94992	16.944	ug/l	99
4) Vinyl Chloride	1.41	62	101967	17.415	ug/l	96
5) Bromomethane	1.64	94	80730	13.370	ug/l	97
6) Chloroethane	1.72	64	67129	16.558	ug/l	100
7) Trichlorofluoromethane	1.93	101	164784	18.051	ug/l	98
8) Diethyl Ether	2.19	74	71039	19.592	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	94362	17.605	ug/l	98
10) Methyl Iodide	2.51	142	98508	12.839	ug/l	100
11) Tert butyl alcohol	3.07	59	138921	101.537	ug/l	100
12) 1,1-Dichloroethene	2.37	96	89439	17.598	ug/l	97
13) Acrolein	2.30	56	79241	85.853	ug/l	99
14) Allyl chloride	2.73	41	161653	18.896	ug/l	99
15) Acrylonitrile	3.15	53	315021	103.701	ug/l	99
16) Acetone	2.45	43	257912	91.569	ug/l	99
17) Carbon Disulfide	2.57	76	197131	14.657	ug/l	99
18) Methyl Acetate	2.78	43	187587	22.650	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	354693	21.027	ug/l	99
20) Methylene Chloride	2.86	84	112540	19.323	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	100892	17.917	ug/l	98
22) Diisopropyl ether	3.87	45	320916	20.505	ug/l	96
23) Vinyl Acetate	3.82	43	1280798	100.050	ug/l	100
24) 1,1-Dichloroethane	3.70	63	171113	18.315	ug/l	100
25) 2-Butanone	4.70	43	388850	98.148	ug/l	98
26) 2,2-Dichloropropane	4.59	77	108579	15.045	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	115842	18.645	ug/l	99
28) Bromochloromethane	5.02	49	87613	21.178	ug/l	97
29) Tetrahydrofuran	5.15	42	265122	101.602	ug/l	97
30) Chloroform	5.21	83	181932	18.805	ug/l	98
31) Cyclohexane	5.58	56	130246	15.346	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	147251	18.025	ug/l	99
36) 1,1-Dichloropropene	5.80	75	126159	17.913	ug/l	99
37) Ethyl Acetate	4.85	43	152417	20.792	ug/l	98
38) Carbon Tetrachloride	5.78	117	116277	16.988	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	134964	14.556	ug/l	96
40) Benzene	6.14	78	396834	18.536	ug/l	98
41) Methacrylonitrile	5.06	41	84169	21.627	ug/l	96
42) 1,2-Dichloroethane	6.20	62	142091	19.478	ug/l	100
43) Isopropyl Acetate	6.46	43	241296	21.634	ug/l	98
44) Trichloroethene	7.21	130	115156	17.772	ug/l	96
45) 1,2-Dichloropropane	7.51	63	104518	20.062	ug/l	96
46) Dibromomethane	7.66	93	72956	19.038	ug/l	97
47) Bromodichloromethane	7.90	83	117065	18.400	ug/l	94
48) Methyl methacrylate	7.77	41	122991	21.684	ug/l	97
49) 1,4-Dioxane	7.76	88	53299	346.147	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	781606	110.135	ug/l	99
52) Toluene	8.78	92	257083	18.588	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	128281	18.801	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	144254	19.268	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	112940	19.950	ug/l	99
56) Ethyl methacrylate	9.18	69	168341	21.039	ug/l	95
57) 1,3-Dichloropropane	9.37	76	183626	20.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	442236	103.975	ug/l	99
59) 2-Hexanone	9.49	43	581090	107.017	ug/l	98
60) Dibromochloromethane	9.58	129	98422	18.174	ug/l	100
61) 1,2-Dibromoethane	9.67	107	117814	19.577	ug/l	97
64) Tetrachloroethene	9.34	164	104377	17.755	ug/l	95
65) Chlorobenzene	10.14	112	299049	19.040	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	98723	20.146	ug/l	100
67) Ethyl Benzene	10.25	91	463612	18.063	ug/l	99
68) m/p-Xylenes	10.36	106	363994	35.941	ug/l	98
69) o-Xylene	10.69	106	184300	18.429	ug/l	97
70) Styrene	10.71	104	301377	19.048	ug/l	99
71) Bromoform	10.85	173	71345	19.161	ug/l #	99
73) Isopropylbenzene	11.02	105	461485	18.655	ug/l	100
74) N-amyl acetate	10.90	43	213025	24.058	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	165904	22.550	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	153276m	22.809	ug/l	
77) Bromobenzene	11.26	156	137266	20.524	ug/l	99
78) n-propylbenzene	11.36	91	501724	18.418	ug/l	99
79) 2-Chlorotoluene	11.42	91	308225	18.671	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	369090	18.114	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	35924	19.124	ug/l	90
82) 4-Chlorotoluene	11.51	91	360019	19.012	ug/l	100
83) tert-Butylbenzene	11.77	119	366867	17.990	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	381508	17.801	ug/l	100
85) sec-Butylbenzene	11.94	105	434960	17.397	ug/l	99
86) p-Isopropyltoluene	12.06	119	388880	17.694	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	227550	18.879	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	228358	18.481	ug/l	98
89) n-Butylbenzene	12.38	91	325243	17.388	ug/l	98
90) Hexachloroethane	12.60	117	48741	16.530	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	225890	18.734	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	29134	19.139	ug/l	98

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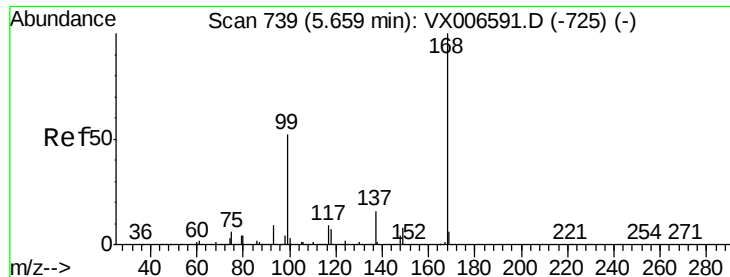
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	139803	16.809	ug/l	99
94) Hexachlorobutadiene	13.78	225	62893	16.043	ug/l	100
95) Naphthalene	13.83	128	431926	16.271	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	136701	15.919	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. 0.01 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

VX1226MBSD01

Tot Ion:168 Resp: 568829

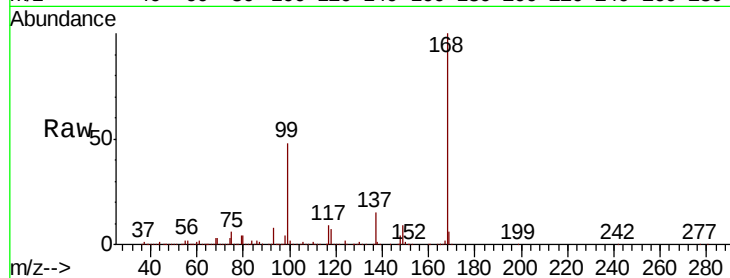
Ion Ratio Lower Upper

168 100

99 47.4 41.8 62.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

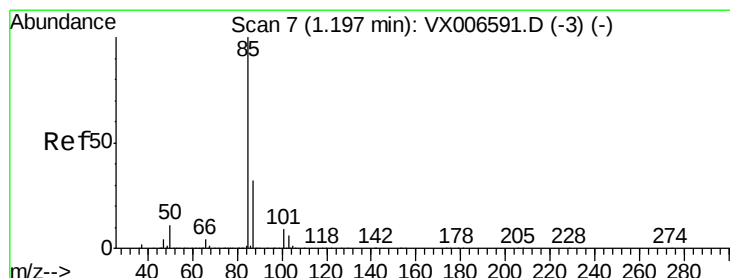
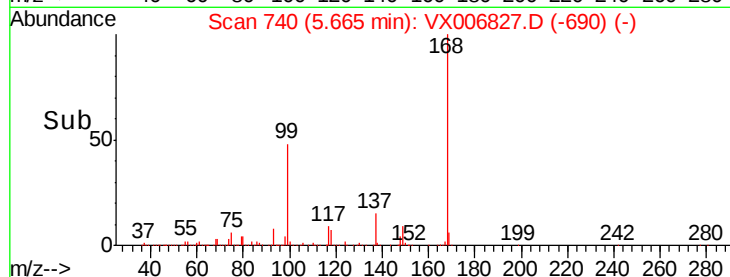
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.650 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006827.D

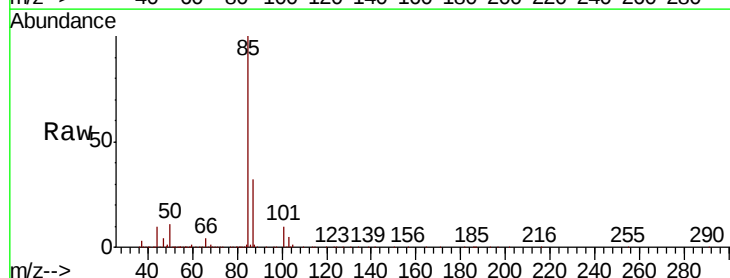
Acq: 26 Dec 2018 19:08

Tgt Ion: 85 Resp: 86644

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

80000

60000

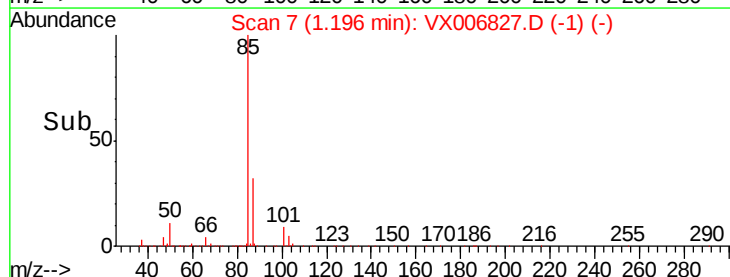
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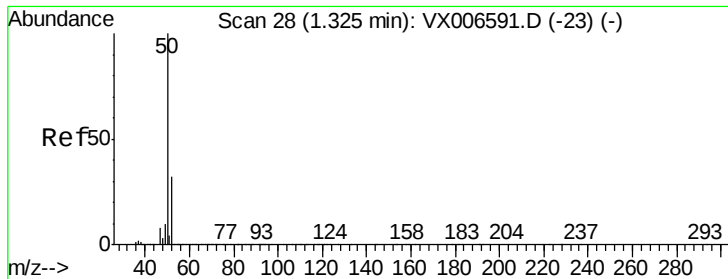
20000

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1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 16.944 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

VX1226MBS01

Tot Ion: 50 Resp: 94992

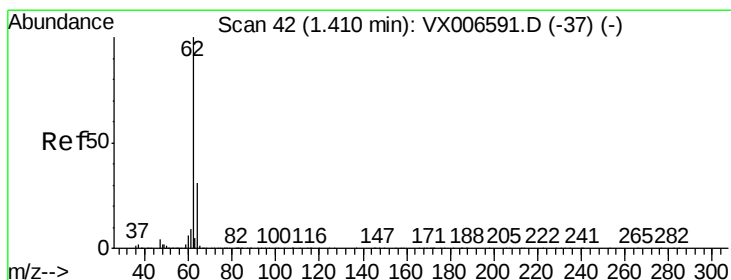
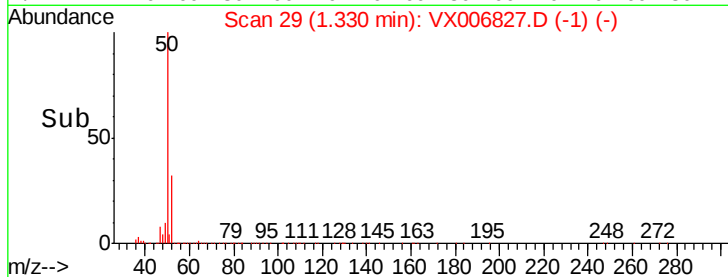
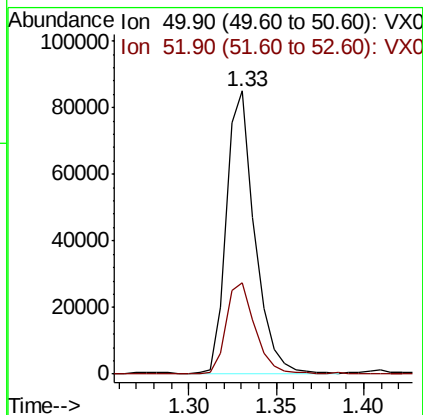
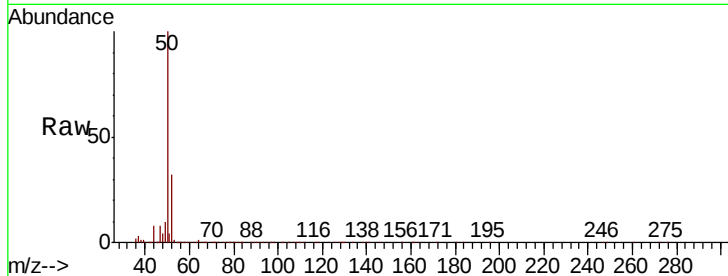
Ion Ratio Lower Upper

50 100

52 32.2 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.415 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006827.D

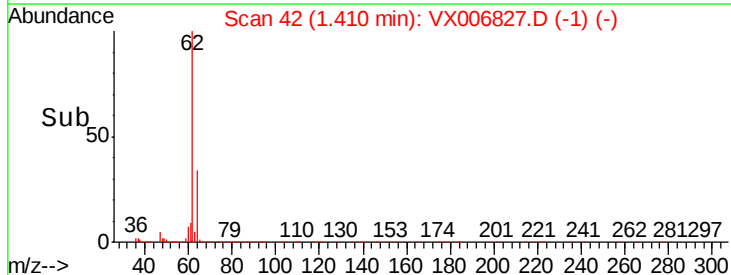
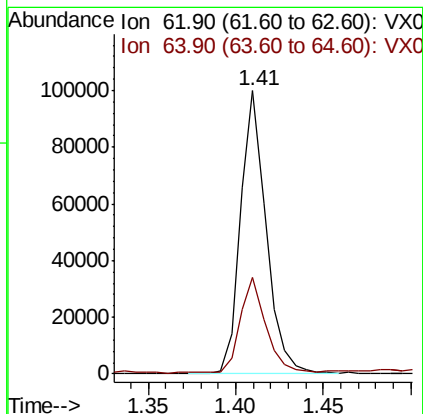
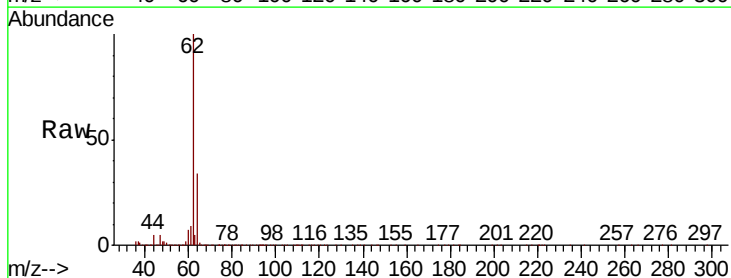
Acq: 26 Dec 2018 19:08

Tgt Ion: 62 Resp: 101967

Ion Ratio Lower Upper

62 100

64 33.5 25.1 37.7





#5

Bromomethane

Concen: 13.370 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

VX1226MBS01

Tot Ion: 94 Resp: 80730

Ion Ratio Lower Upper

94 100

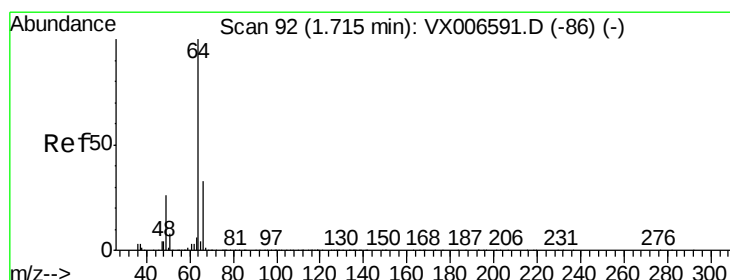
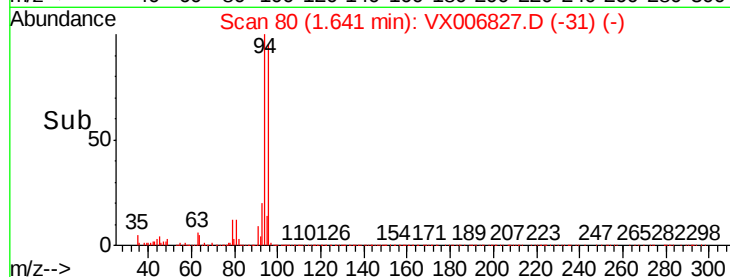
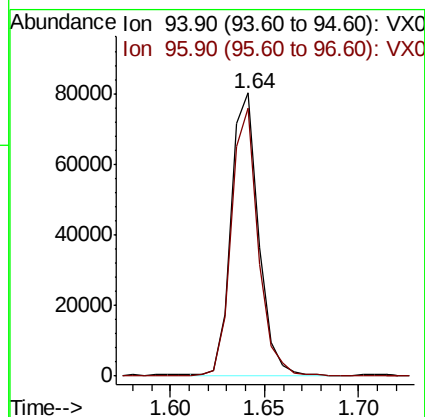
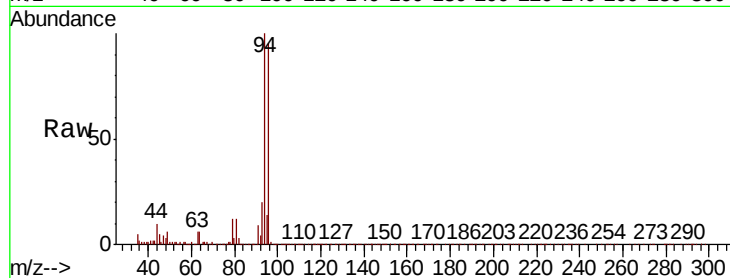
96 94.6 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 16.558 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006827.D

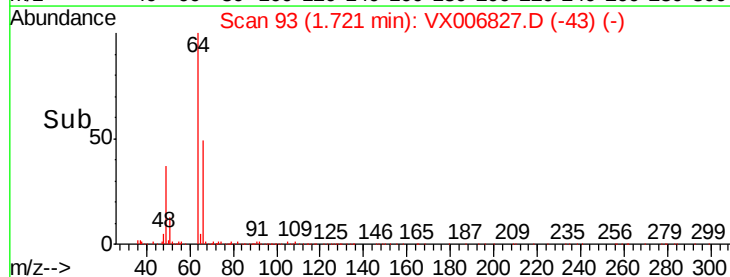
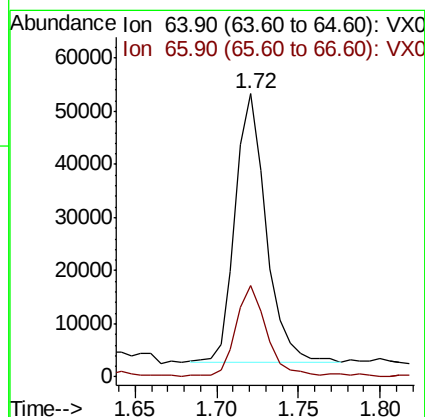
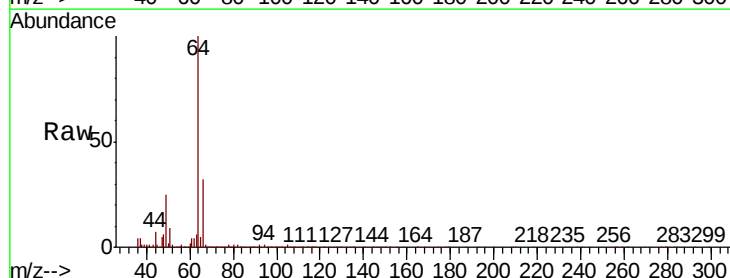
Acq: 26 Dec 2018 19:08

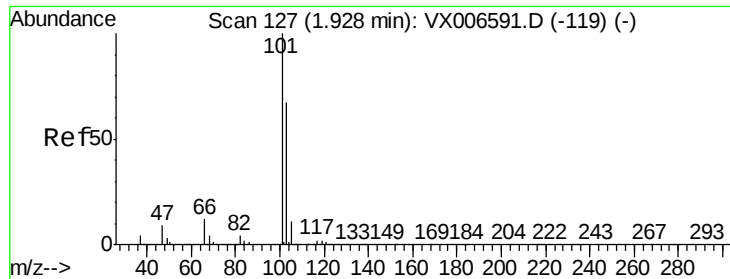
Tgt Ion: 64 Resp: 67129

Ion Ratio Lower Upper

64 100

66 33.2 26.4 39.6





#7

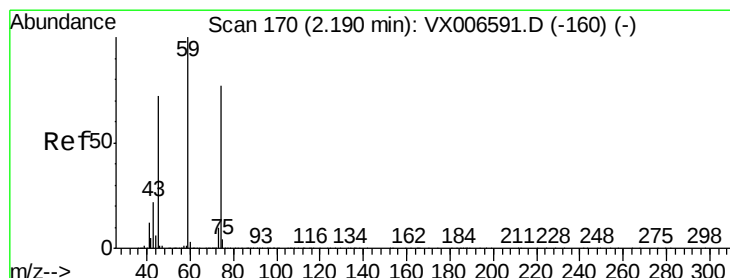
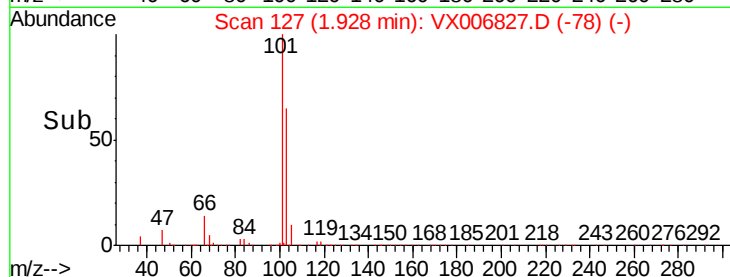
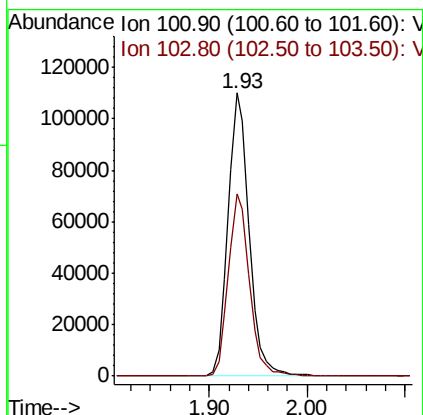
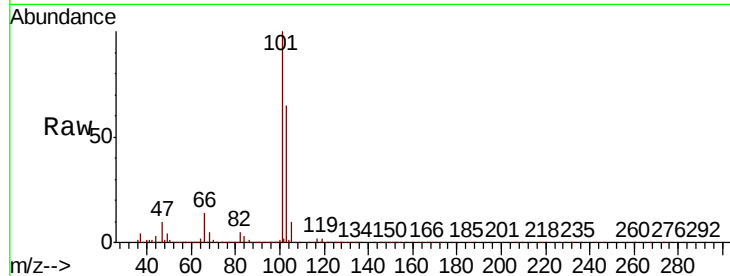
Trichlorofluoromethane
Concen: 18.051 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

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ClientSampleId :
VX1226MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	53.2	79.8

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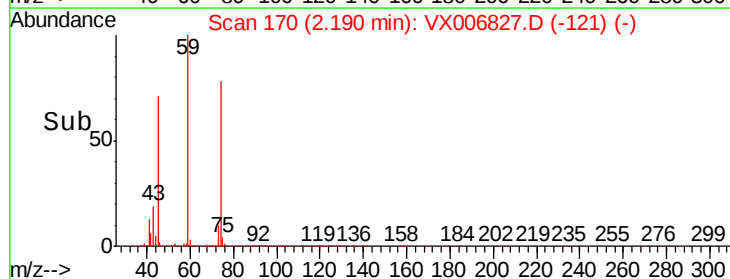
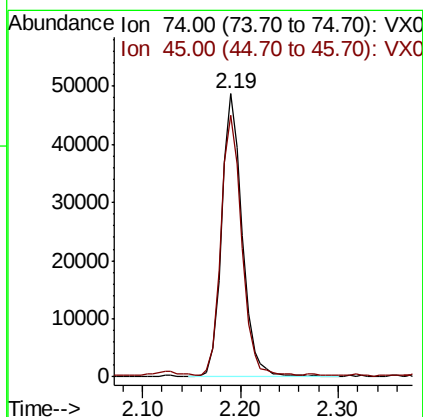
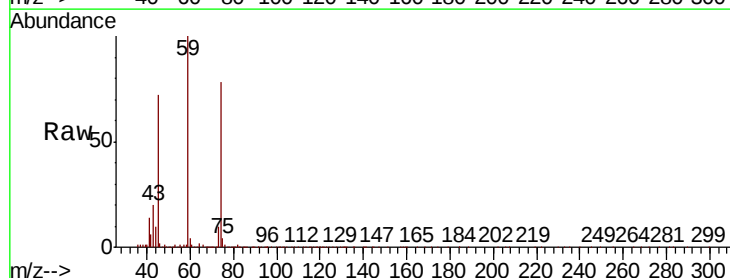
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12/27/2018 9:40:37 AM

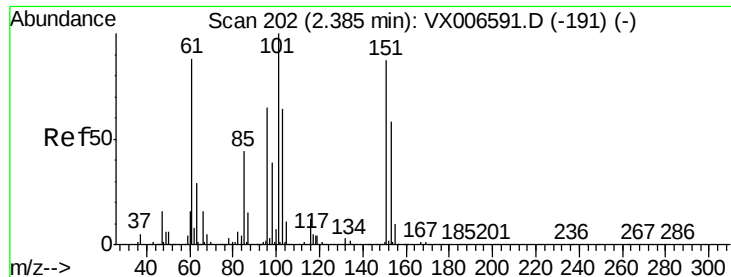


#8

Diethyl Ether
Concen: 19.592 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.1	46.3	138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.605 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

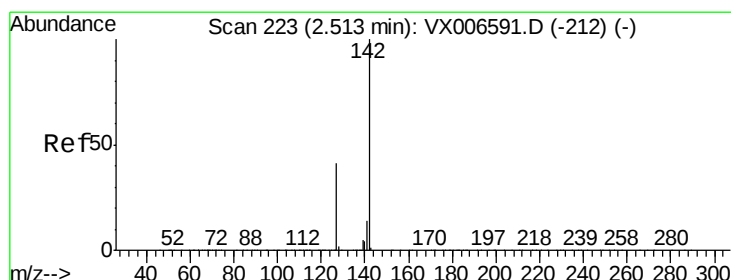
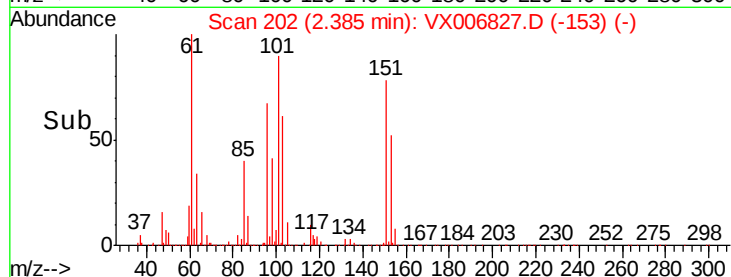
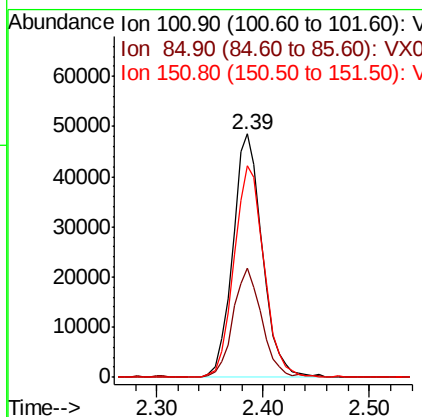
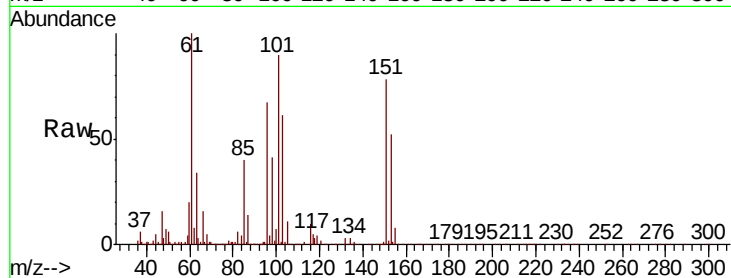
ClientSampleId :

VX1226MBSD01

Tot Ion:	101	Resp:	94362
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.1	52.7
151	88.5	68.9	103.3

Manual Integrations
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12/27/2018 9:40:37 AM



#10

Methyl Iodide

Concen: 12.839 ug/l

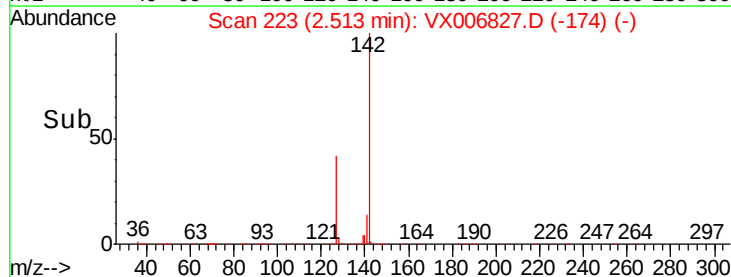
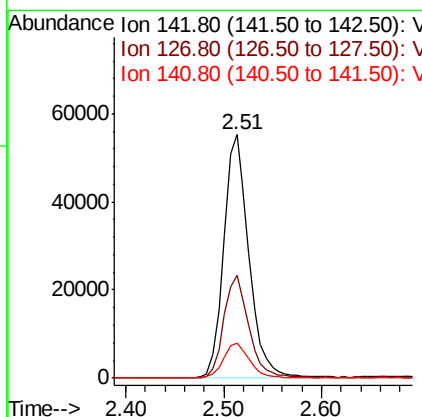
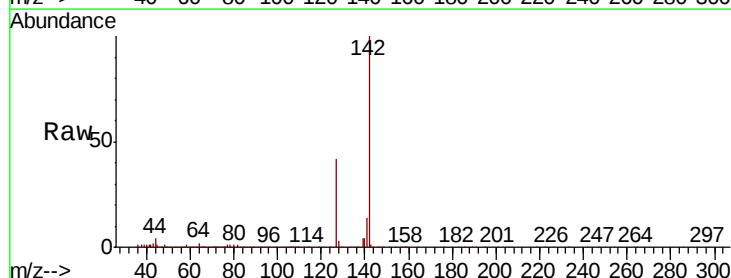
RT: 2.51 min Scan# 223

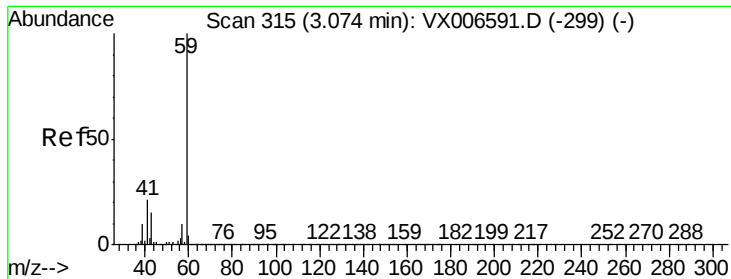
Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion:	142	Resp:	98508
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.9	50.9
141	14.8	11.4	17.0





#11

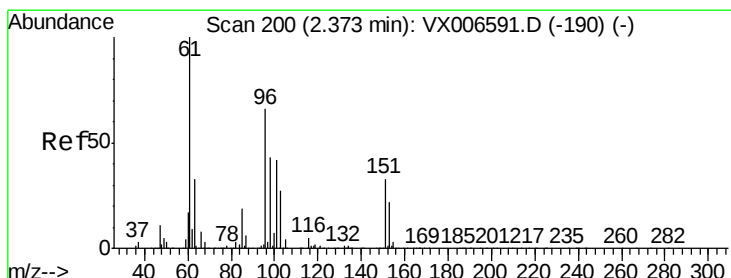
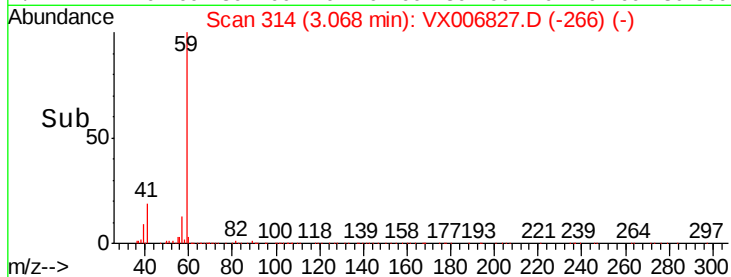
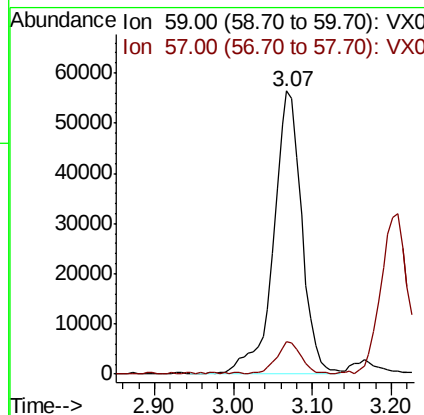
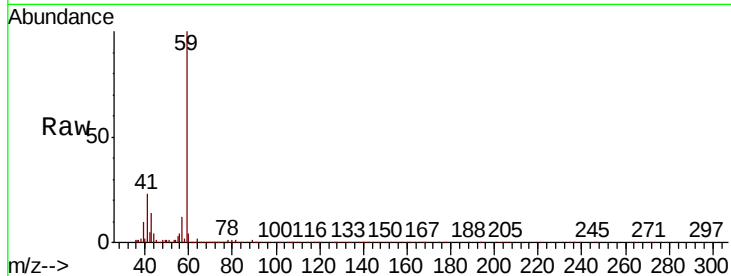
Tert butyl alcohol
Concen: 101.537 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.5	8.5	12.7

Manual Integrations
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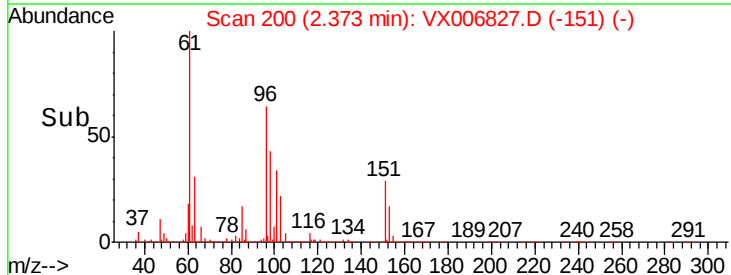
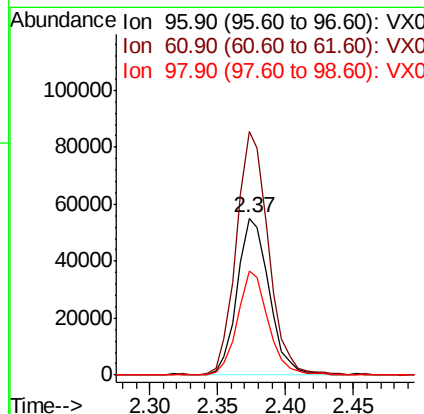
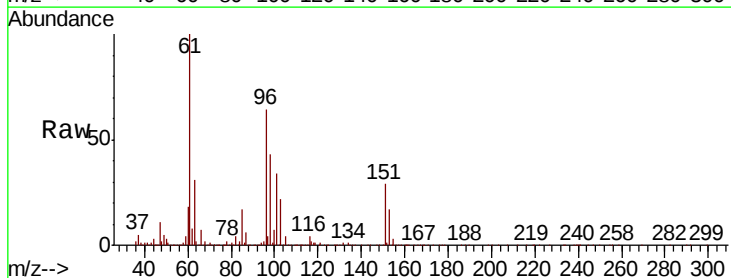
MMDadoda
12/27/2018 9:40:37 AM

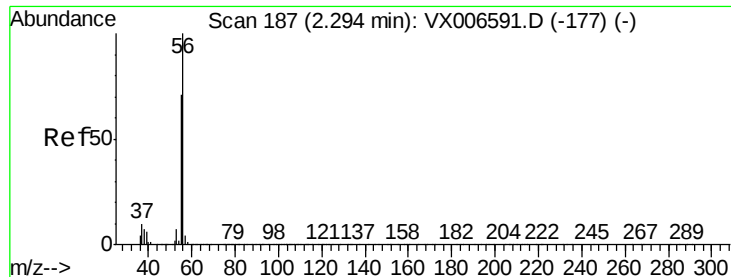


#12

1,1-Dichloroethene
Concen: 17.598 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	155.6	121.4	182.2
98	98	66.8	51.9	77.9





#13

Acrolein

Concen: 85.853 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

VX1226MBSD01

Tot Ion: 56 Resp: 79241

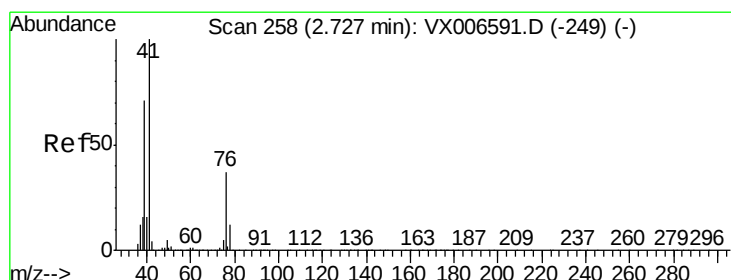
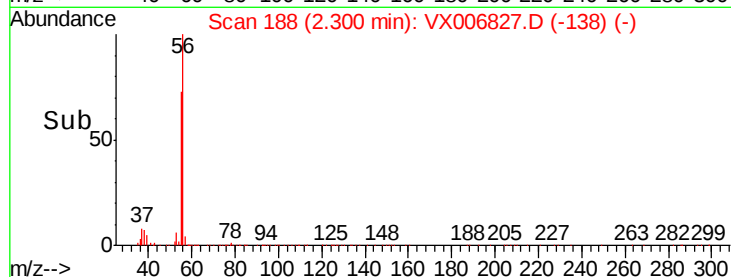
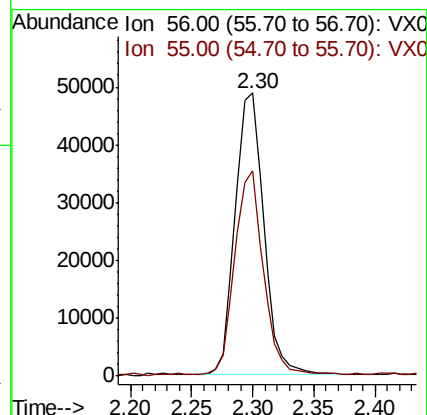
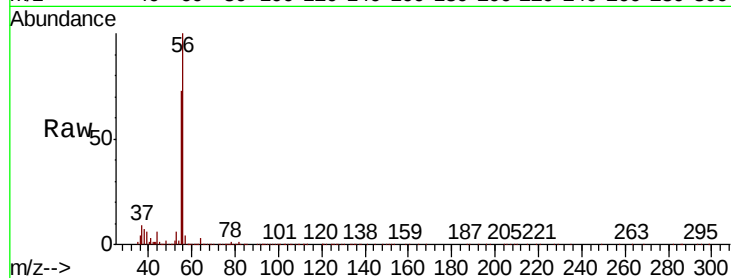
Ion Ratio Lower Upper

56 100

55 72.1 58.2 87.4

Manual Integrations
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12/27/2018 9:40:37 AM



#14

Allyl chloride

Concen: 18.896 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

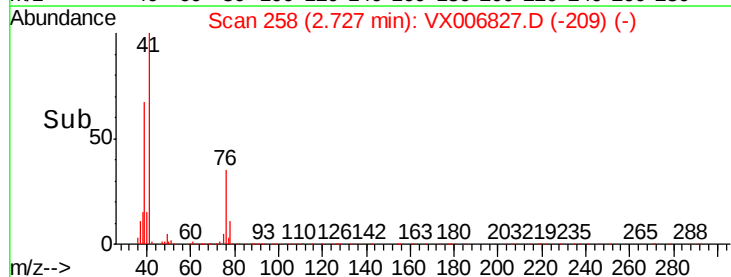
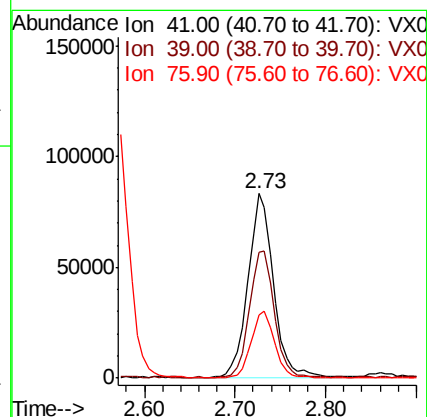
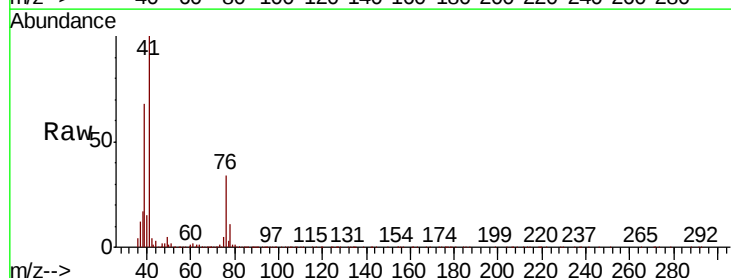
Tgt Ion: 41 Resp: 161653

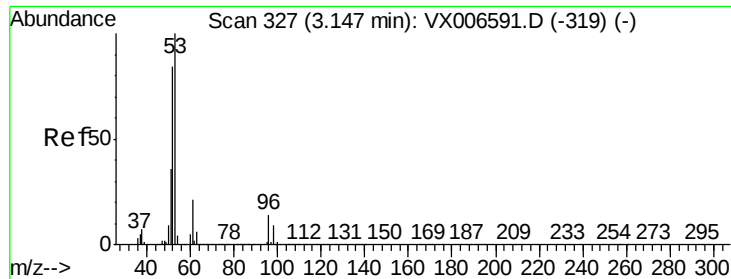
Ion Ratio Lower Upper

41 100

39 67.0 53.6 80.4

76 33.4 27.4 41.2





#15

Acrylonitrile

Concen: 103.701 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

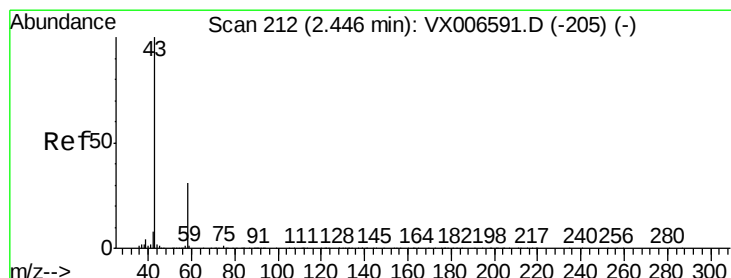
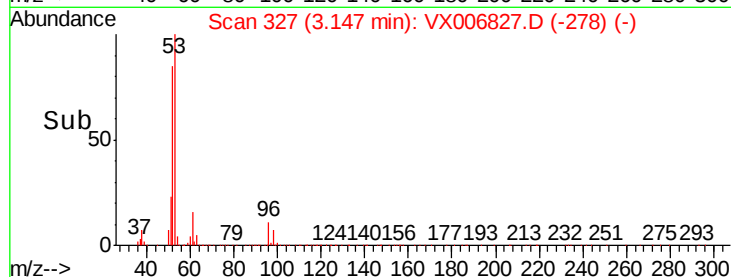
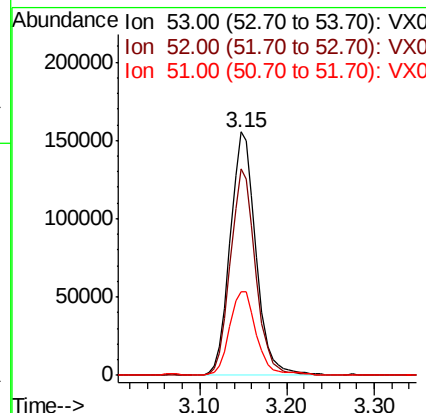
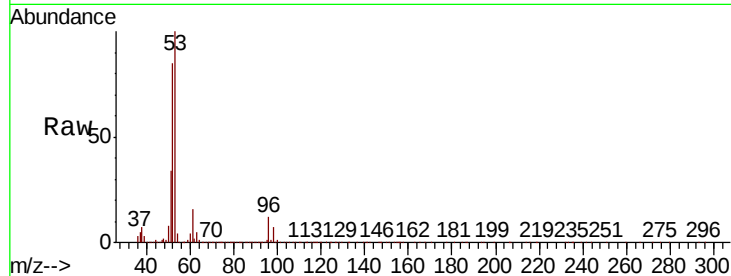
ClientSampleId :

VX1226MBSD01

Tot Ion:	53	Resp:	315021
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.0	99.0
51	36.0	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 91.569 ug/l

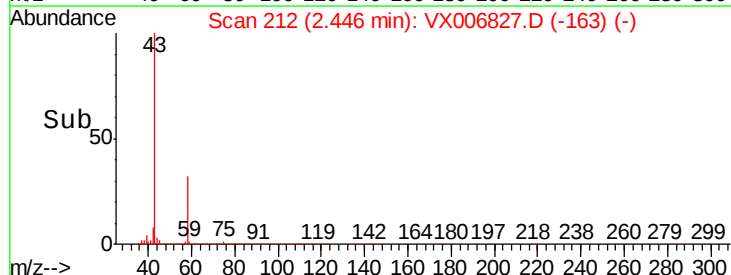
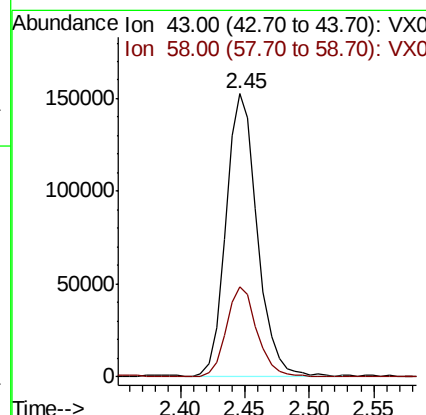
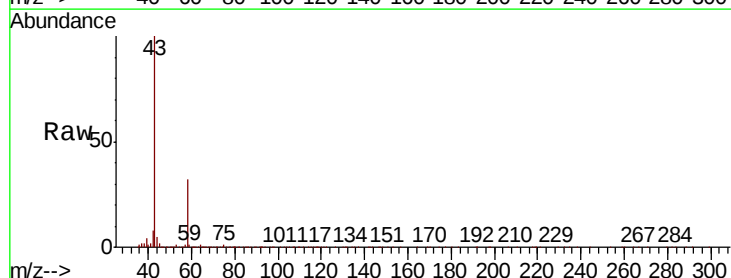
RT: 2.45 min Scan# 212

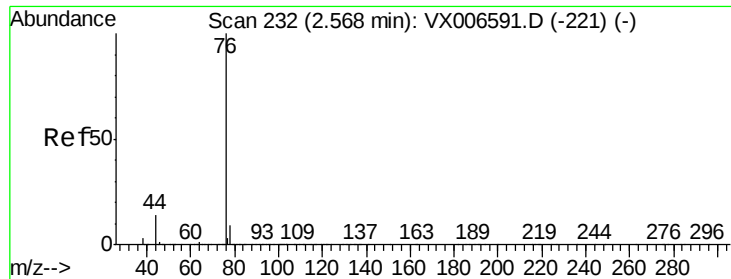
Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion:	43	Resp:	257912
Ion Ratio		Lower	Upper
43	100		
58	31.8	25.0	37.6





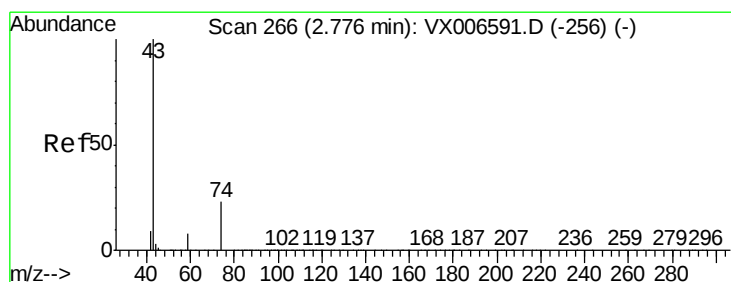
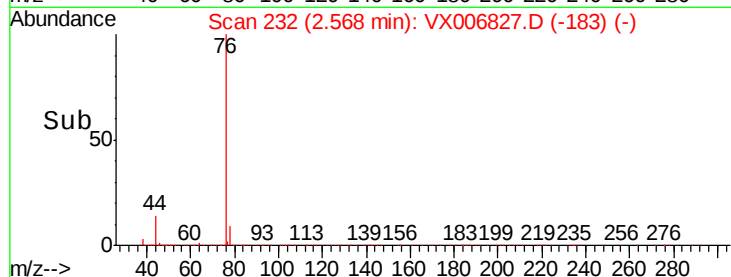
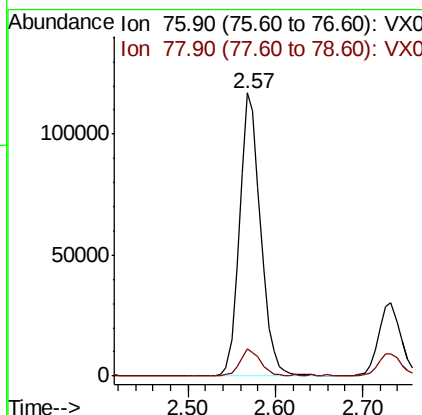
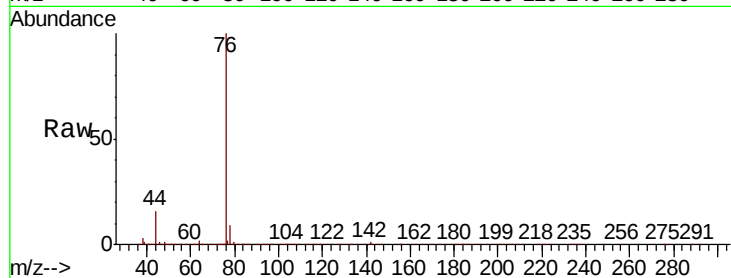
#17
Carbon Disulfide
Concen: 14.657 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

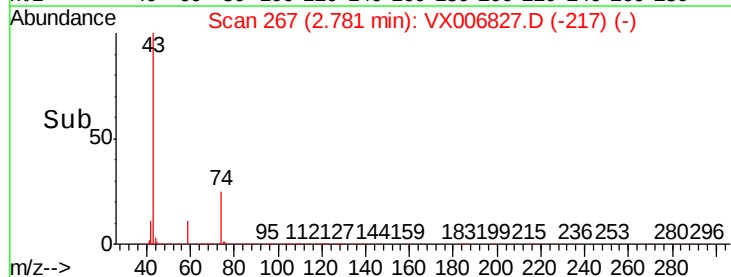
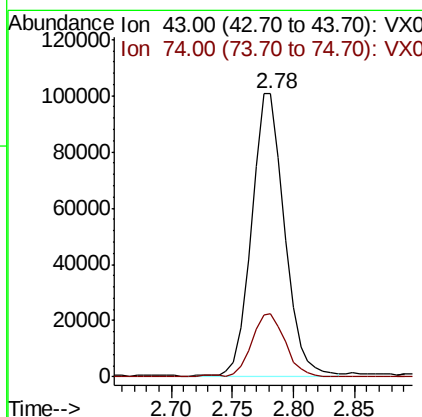
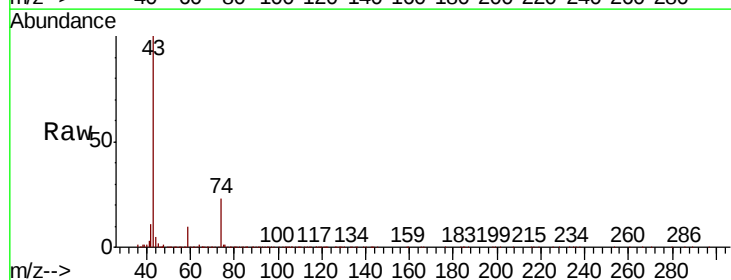
Manual Integrations
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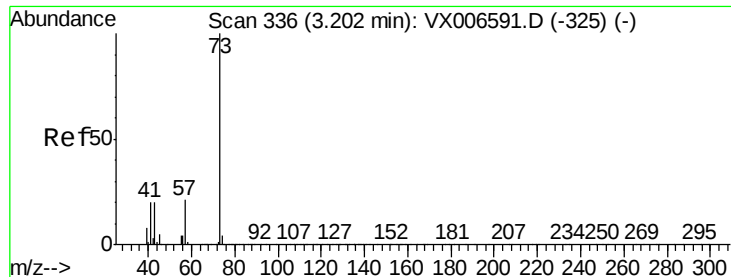
MMDadoda
12/27/2018 9:40:37 AM



#18
Methyl Acetate
Concen: 22.650 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.6	28.0





#19

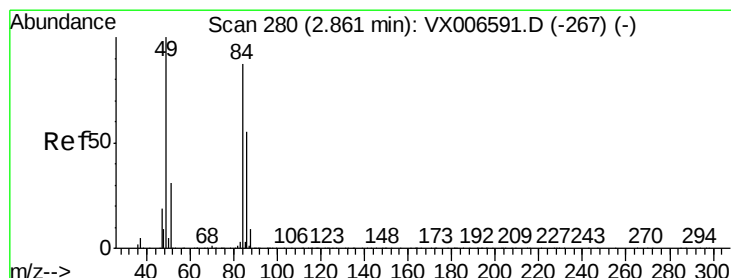
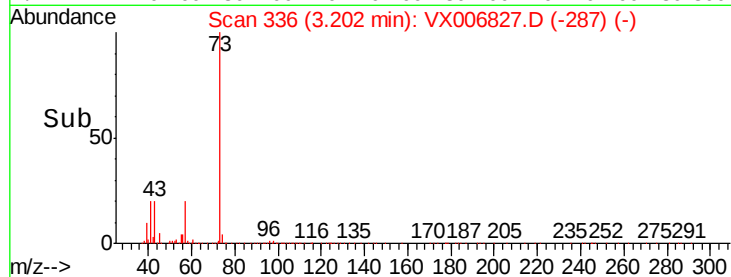
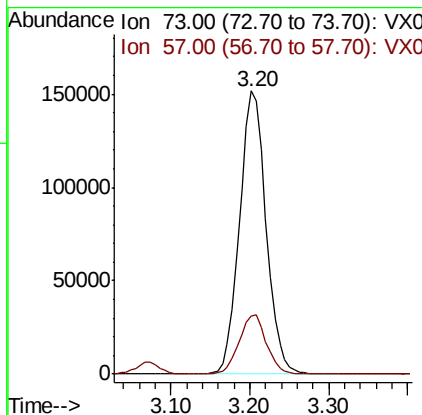
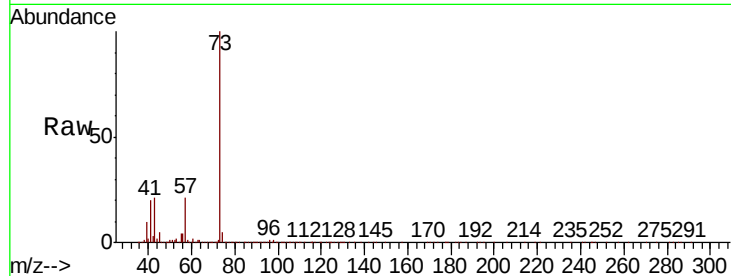
Methyl tert-butyl Ether
 Concen: 21.027 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	16.8	25.2

Manual Integrations
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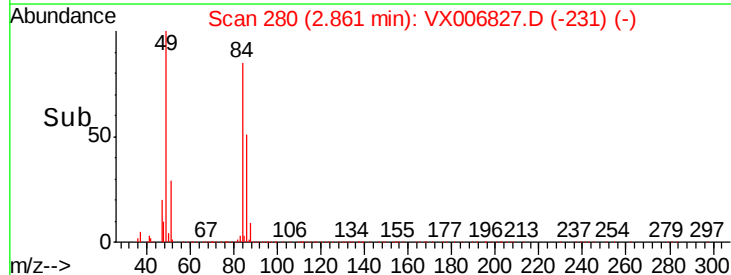
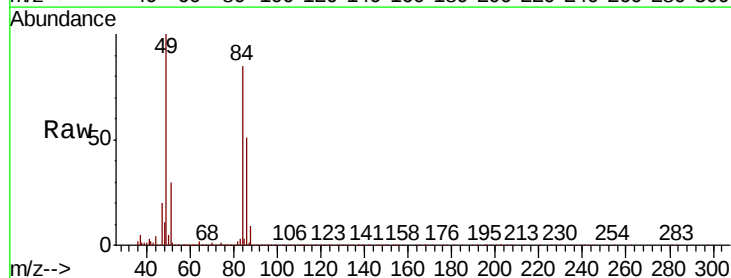
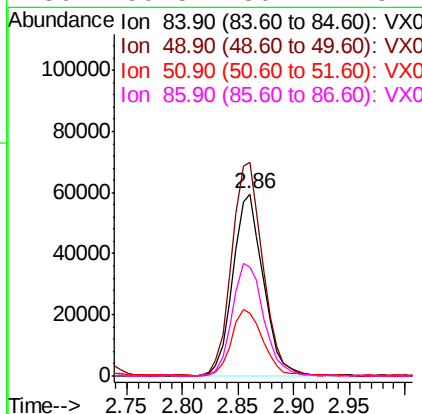
MMDadoda
 12/27/2018 9:40:37 AM

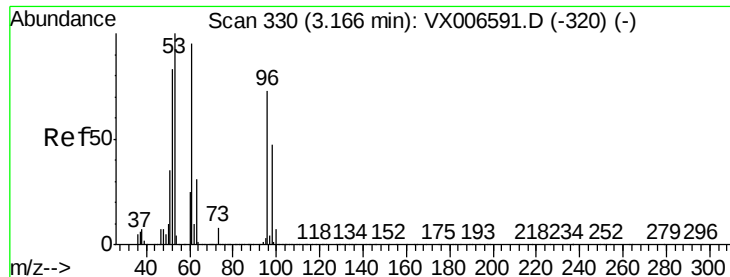


#20

Methylene Chloride
 Concen: 19.323 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.1	91.8	137.6
51	34.3	28.5	42.7
86	59.5	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 17.917 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

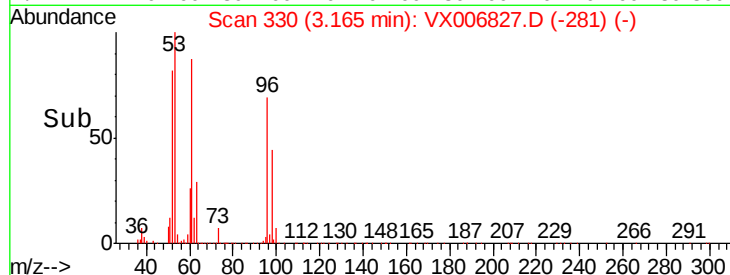
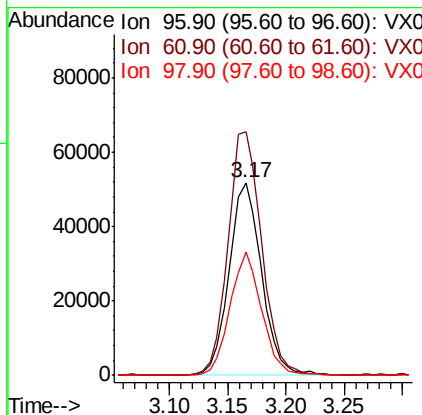
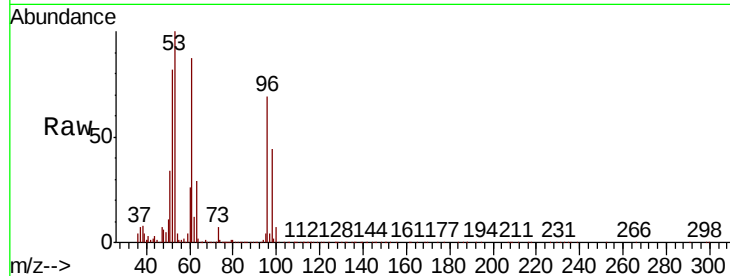
ClientSampleId :

VX1226MBS01

Tot Ion:	96	Resp:	100892
Ion Ratio	Lower	Upper	
96	100		
61	126.1	103.7	155.5
98	63.9	51.0	76.6

Manual Integrations
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12/27/2018 9:40:37 AM



#22

Diisopropyl ether

Concen: 20.505 ug/l

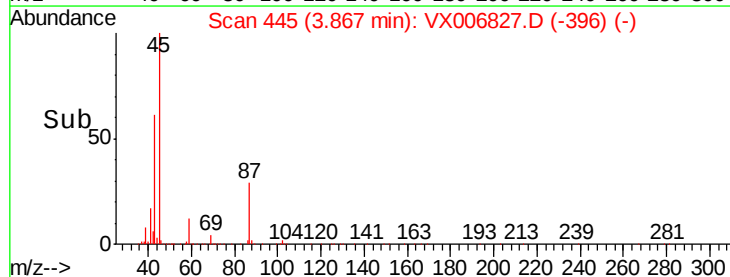
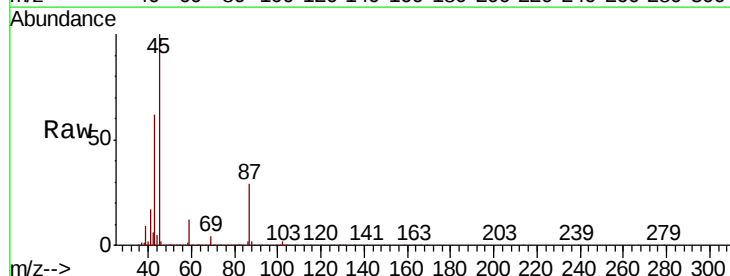
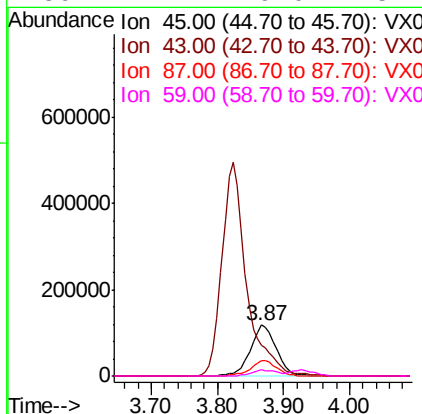
RT: 3.87 min Scan# 445

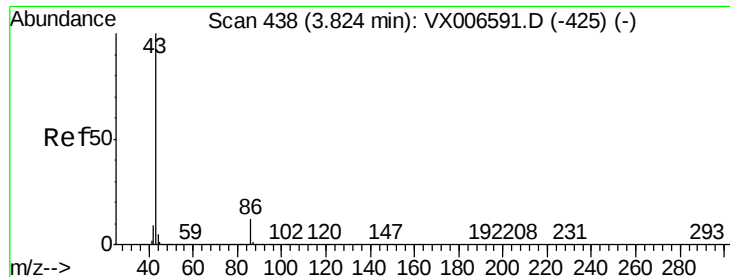
Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion:	45	Resp:	320916
Ion Ratio	Lower	Upper	
45	100		
43	61.4	51.2	76.8
87	29.0	25.8	38.6
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 100.050 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

VX1226MBSD01

Tot Ion: 43 Resp: 1280798

Ion Ratio Lower Upper

43 100

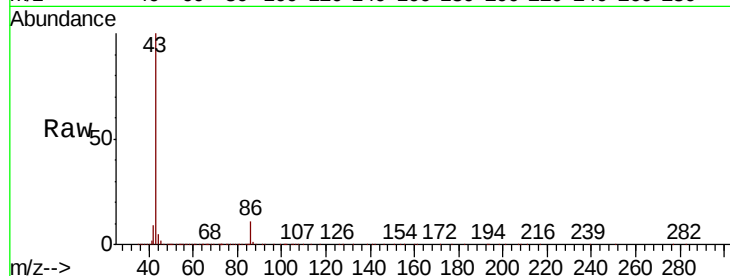
86 11.4 9.2 13.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

500000

400000

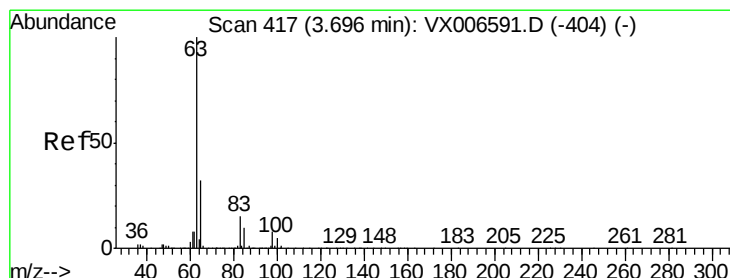
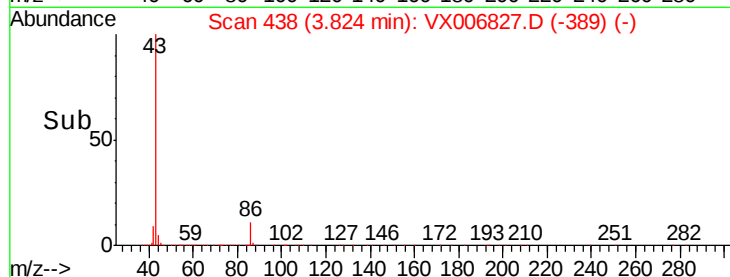
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.315 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

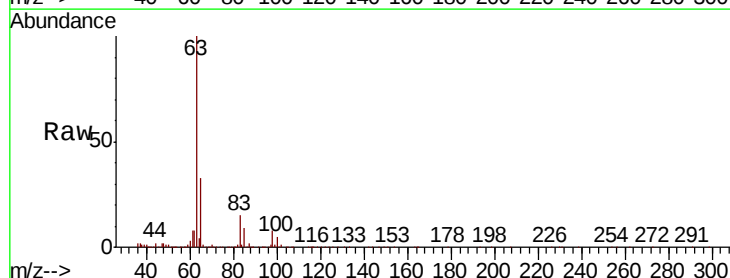
Tgt Ion: 63 Resp: 171113

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

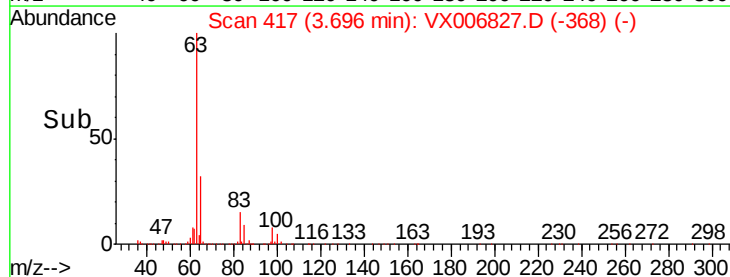
60000

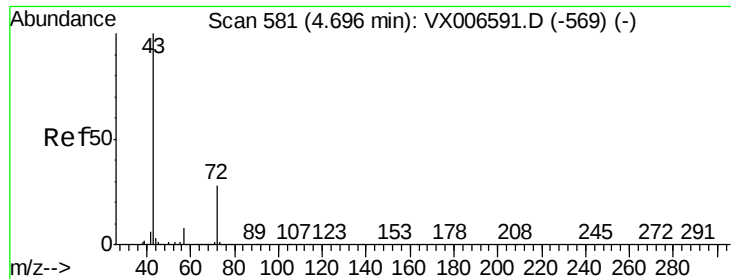
40000

20000

0

Time-->





#25

2-Butanone

Concen: 98.148 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

VX1226MBSD01

Tot Ion: 43 Resp: 388850

Ion Ratio Lower Upper

43 100

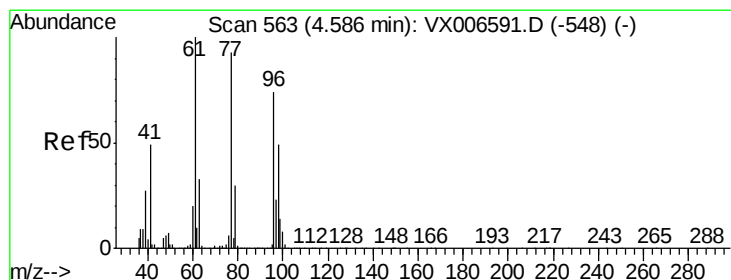
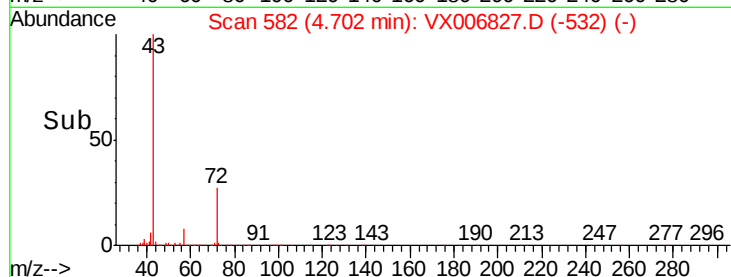
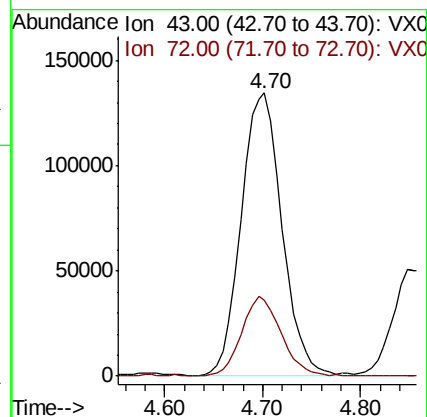
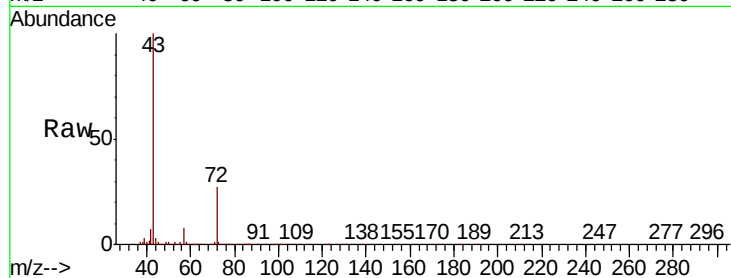
72 26.9 22.4 33.6

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 15.045 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006827.D

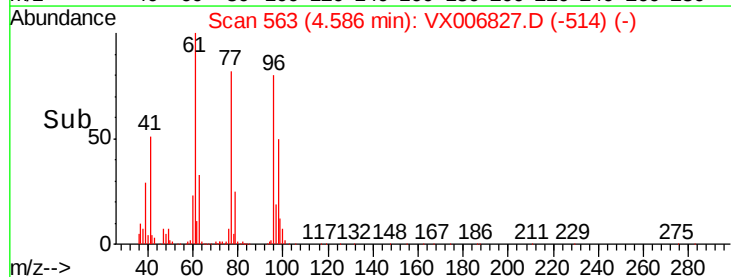
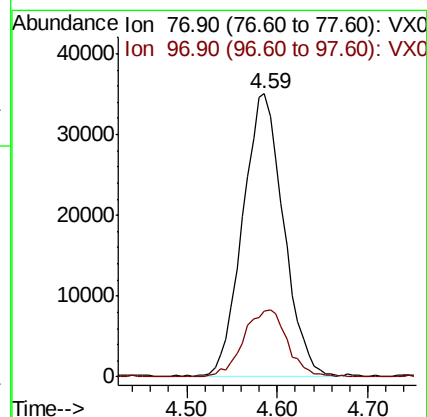
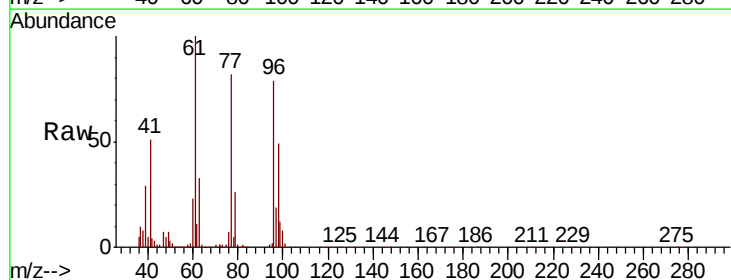
Acq: 26 Dec 2018 19:08

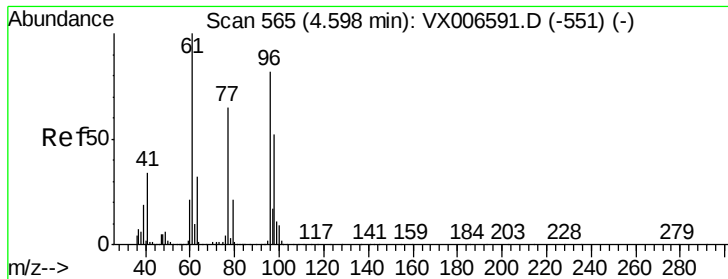
Tgt Ion: 77 Resp: 108579

Ion Ratio Lower Upper

77 100

97 25.4 12.4 37.4





#27

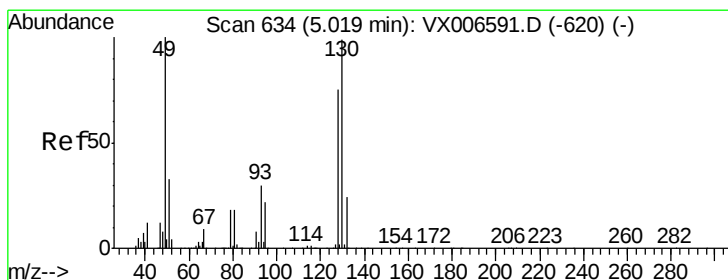
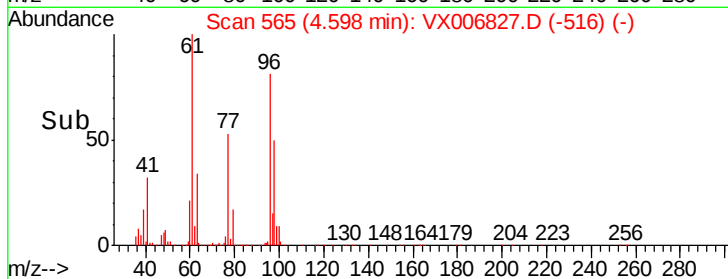
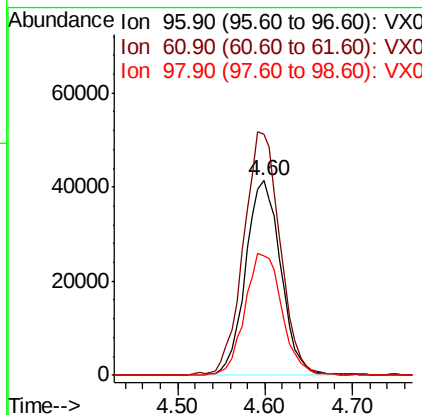
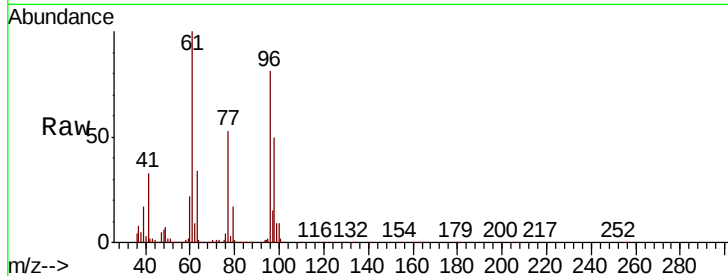
cis-1,2-Dichloroethene
 Concen: 18.645 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.3	0.0	258.6
98	65.8	0.0	132.0

Manual Integrations
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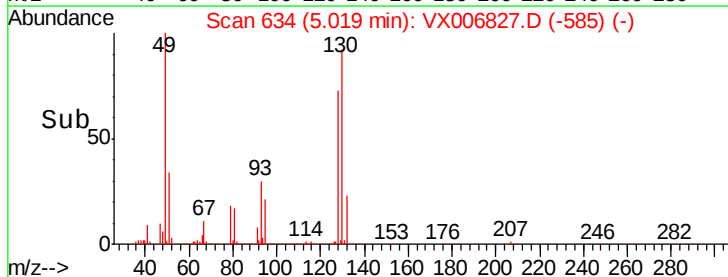
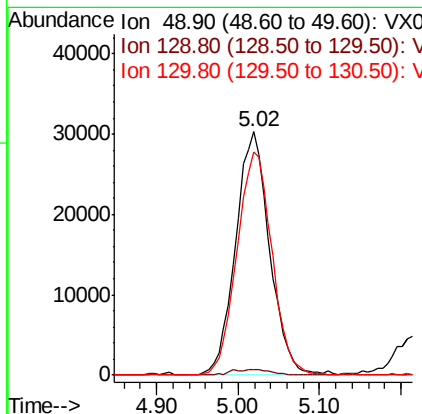
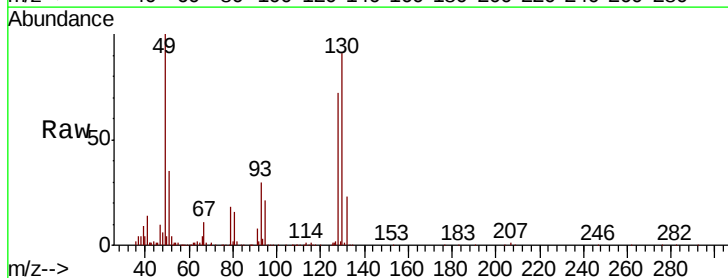
MMDadoda
 12/27/2018 9:40:37 AM

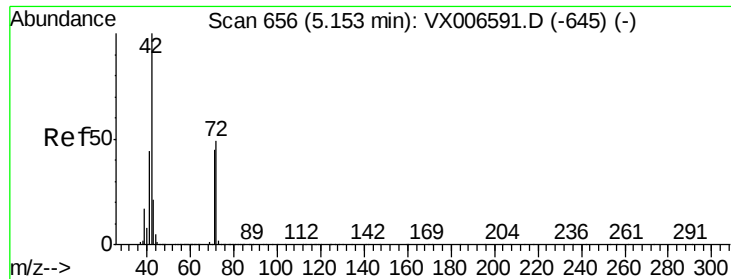


#28

Bromochloromethane
 Concen: 21.178 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.4
130	94.6	77.7	116.5





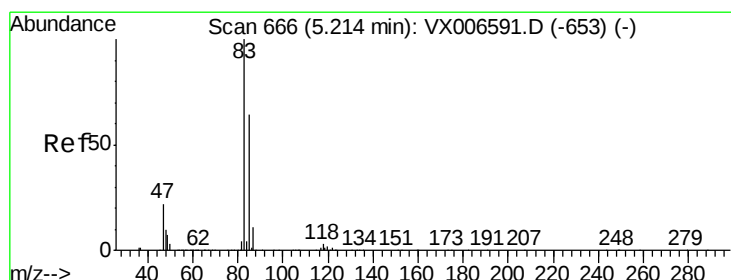
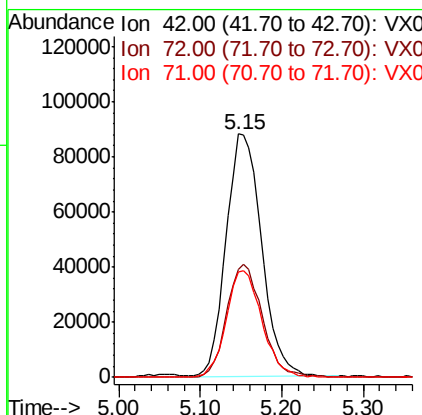
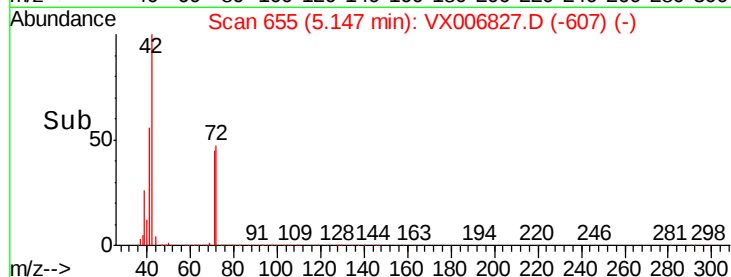
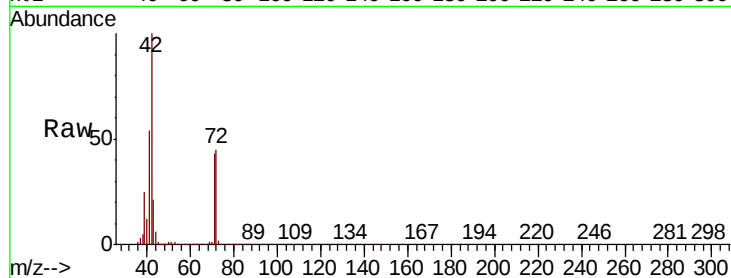
#29
Tetrahydrofuran
Concen: 101.602 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	38.9	58.3
71	44.2	36.2	54.4

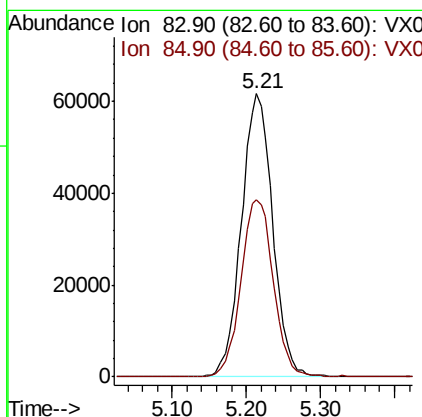
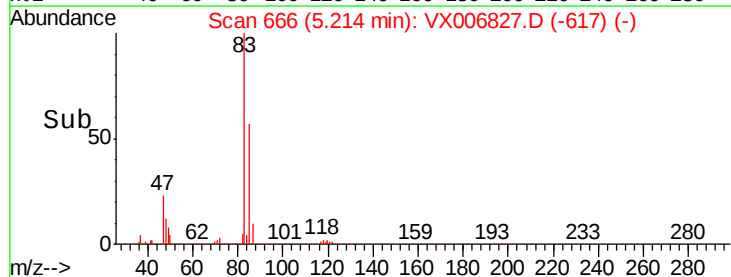
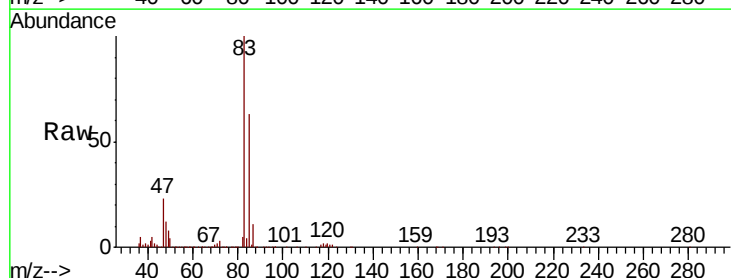
Manual Integrations
APPROVED

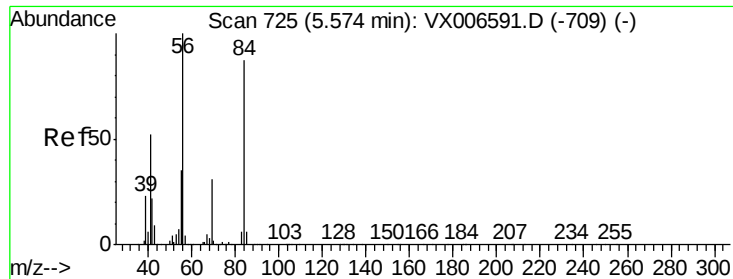
MMDadoda
12/27/2018 9:40:37 AM



#30
Chloroform
Concen: 18.805 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.2	76.8





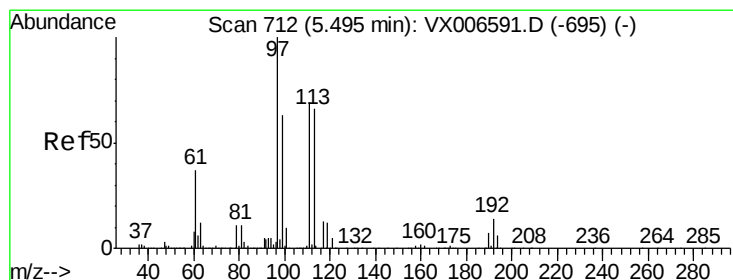
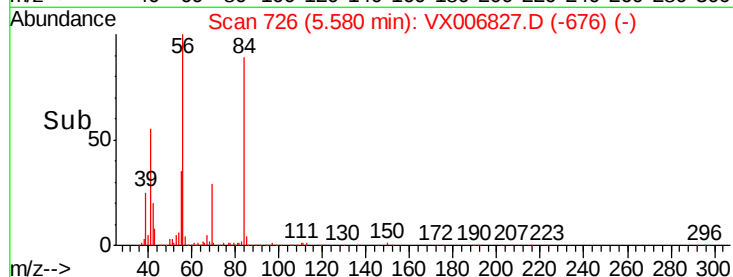
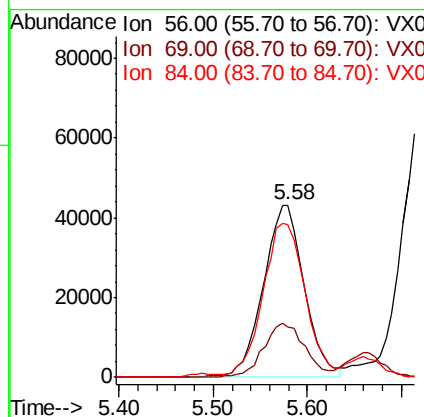
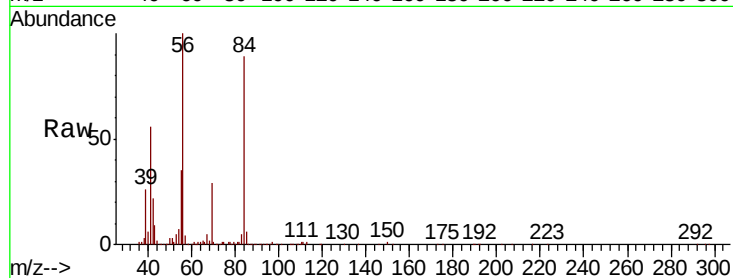
#31
Cyclohexane
Concen: 15.346 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	24.4	36.6
84	87.1	70.0	105.0

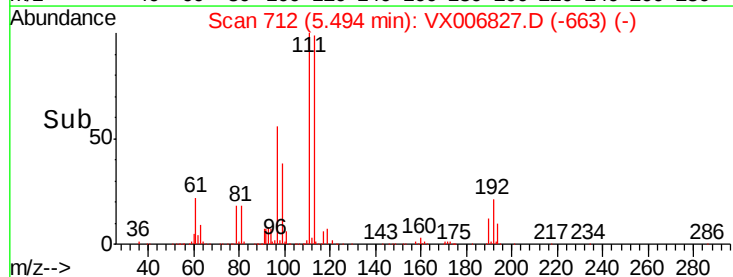
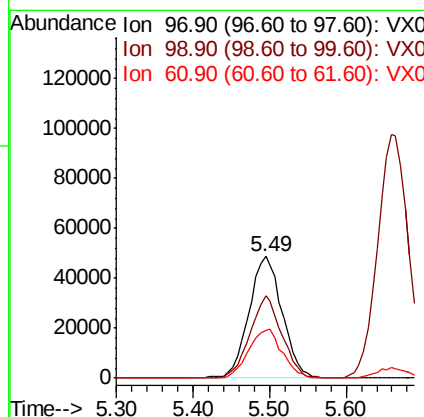
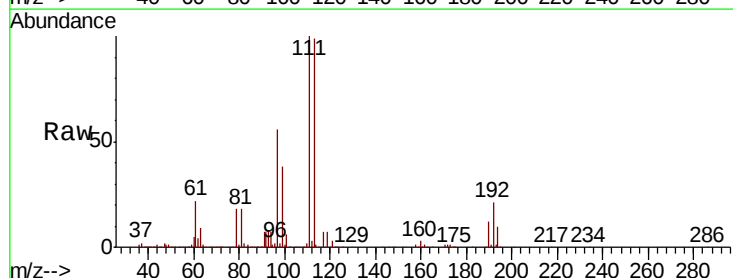
Manual Integrations
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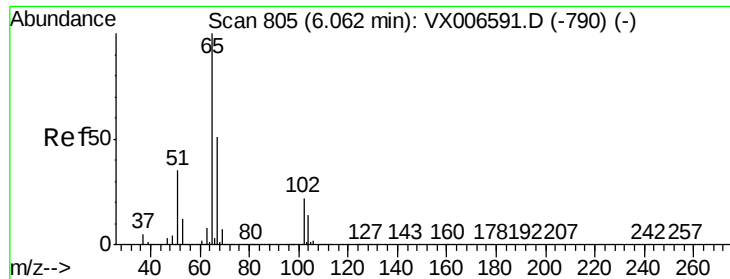
MMDadoda
12/27/2018 9:40:37 AM



#32
1,1,1-Trichloroethane
Concen: 18.025 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	41.0	31.3	46.9





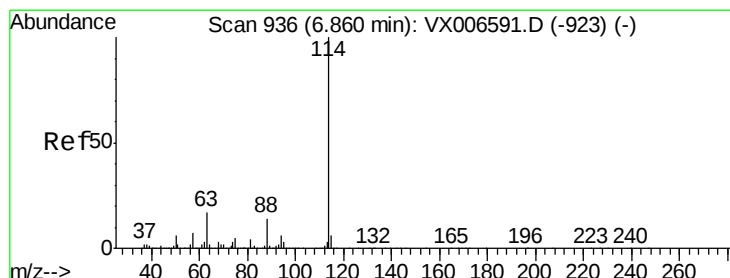
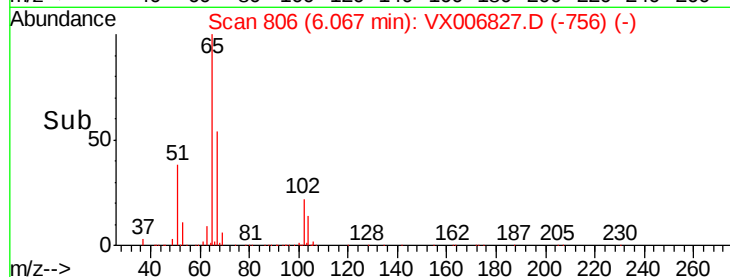
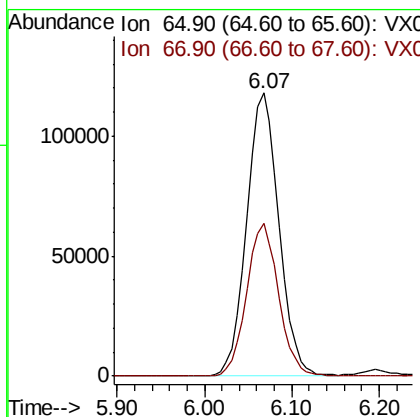
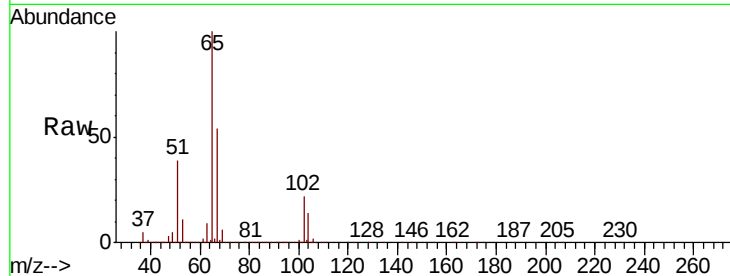
#33
 1,2-Dichloroethane-d4
 Concen: 49.035 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	300612		
67	53.4	0.0	105.0	

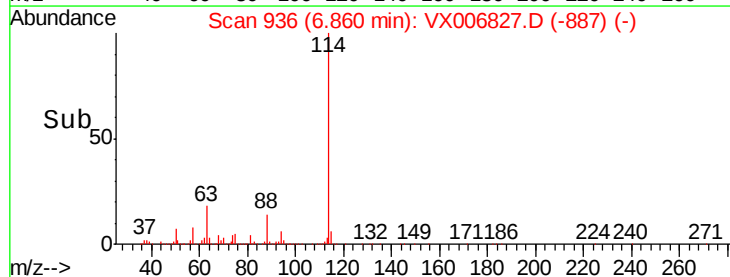
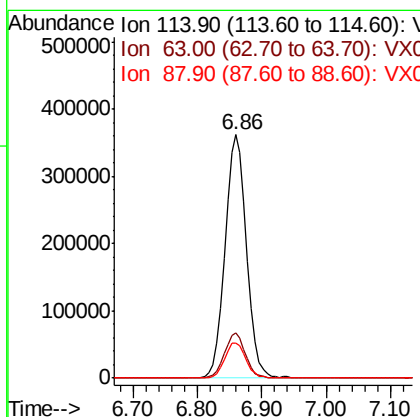
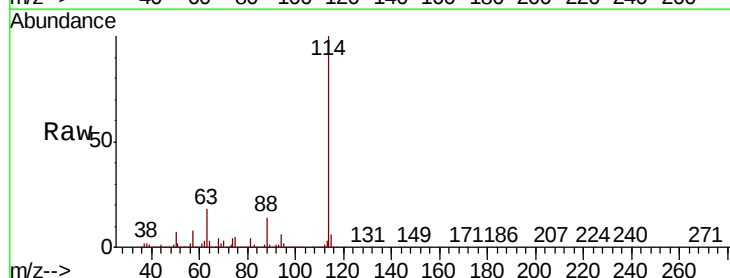
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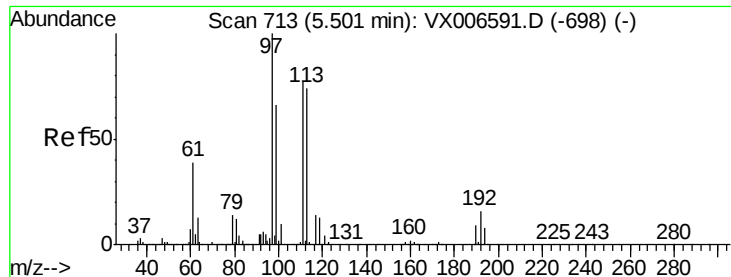
MMDadoda
 12/27/2018 9:40:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	850374		
63	18.5	0.0	34.8	
88	14.1	0.0	28.8	





#35

Dibromofluoromethane

Concen: 49.702 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

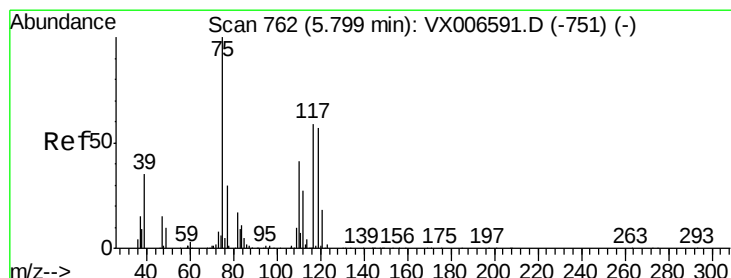
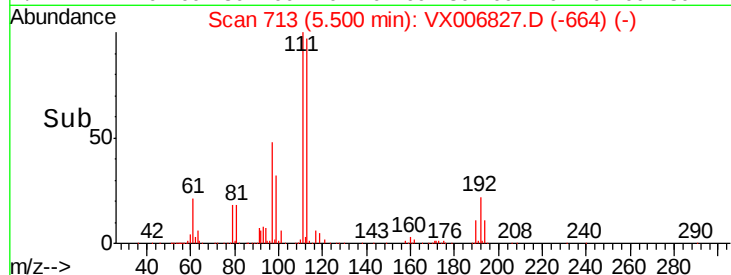
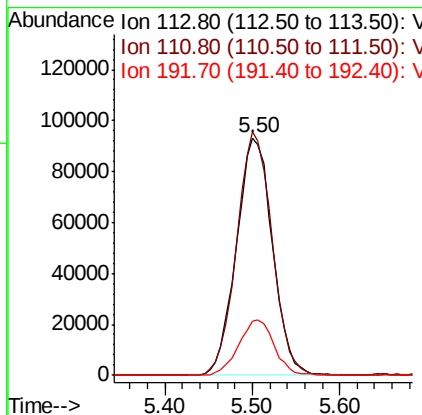
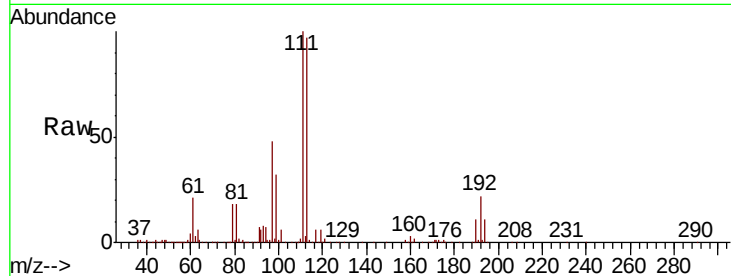
ClientSampleId :

VX1226MBSD01

Tot Ion:	113	Resp:	267280
Ion Ratio	Lower	Upper	
113	100		
111	101.0	81.6	122.4
192	23.0	16.7	25.1

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#36

1,1-Dichloropropene

Concen: 17.913 ug/l

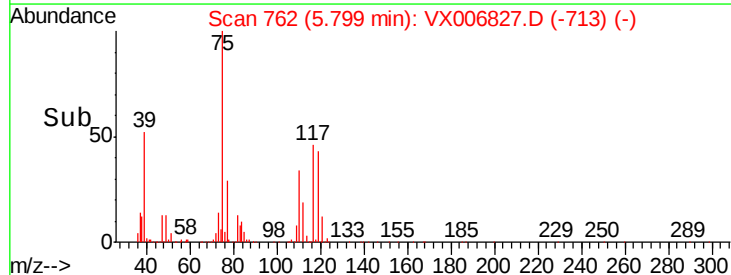
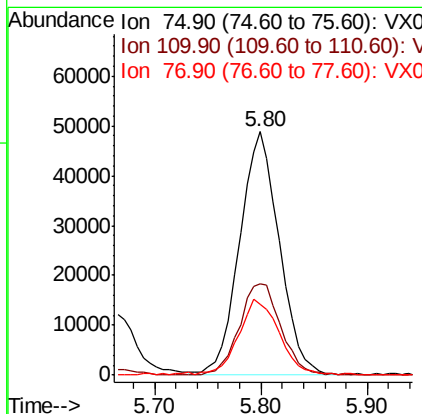
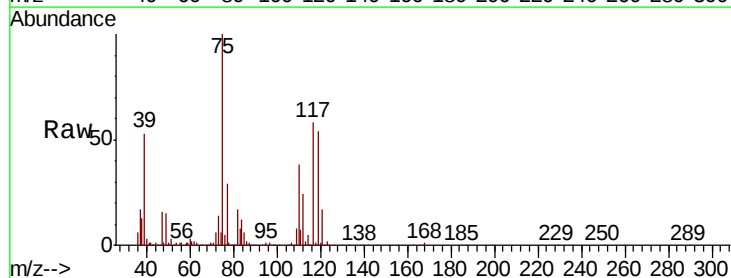
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion:	75	Resp:	126159
Ion Ratio	Lower	Upper	
75	100		
110	40.0	20.2	60.5
77	31.5	24.8	37.2





#37

Ethyl Acetate

Concen: 20.792 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

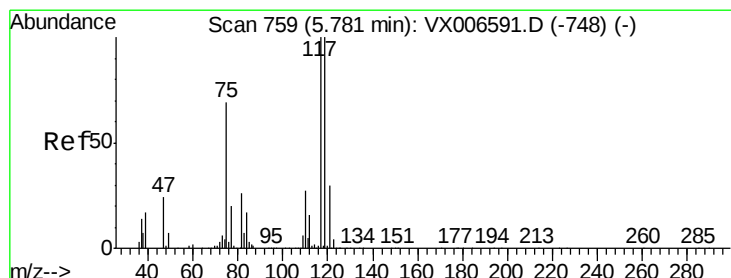
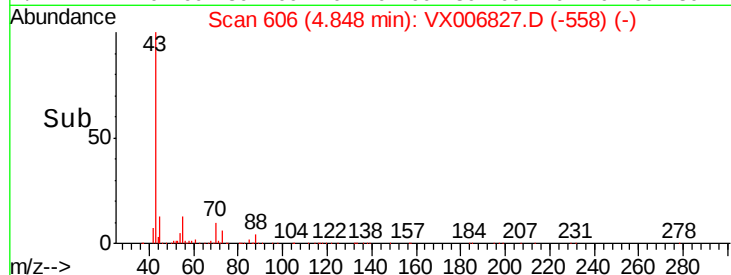
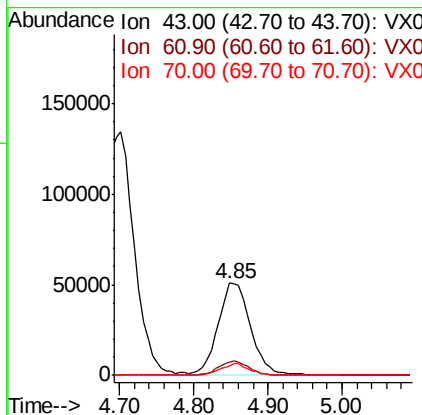
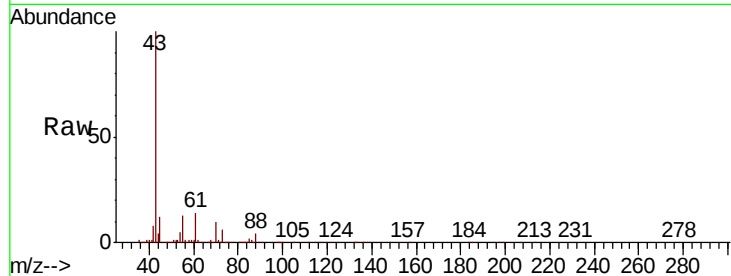
ClientSampleId :

VX1226MBS01

Tot Ion:	43	Resp:	152417
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.9	17.9
70	11.1	9.7	14.5

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#38

Carbon Tetrachloride

Concen: 16.988 ug/l

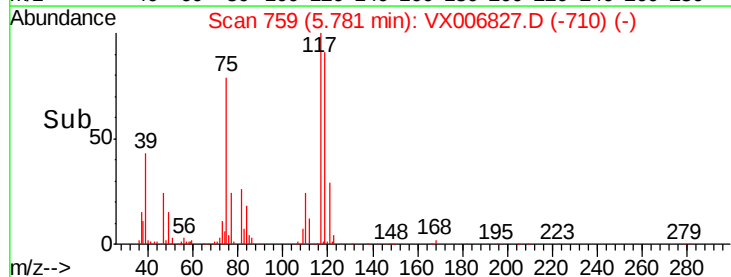
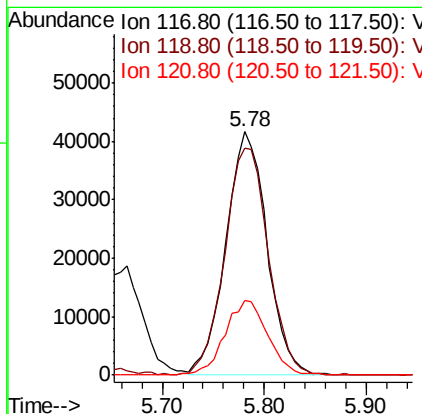
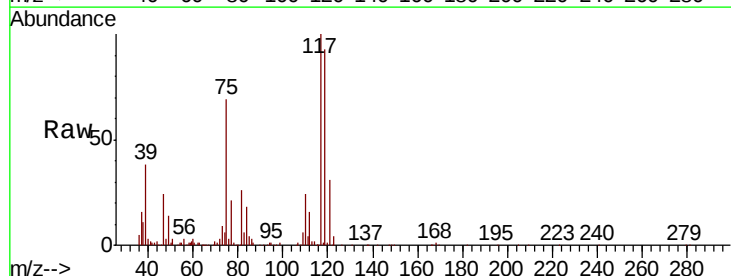
RT: 5.78 min Scan# 759

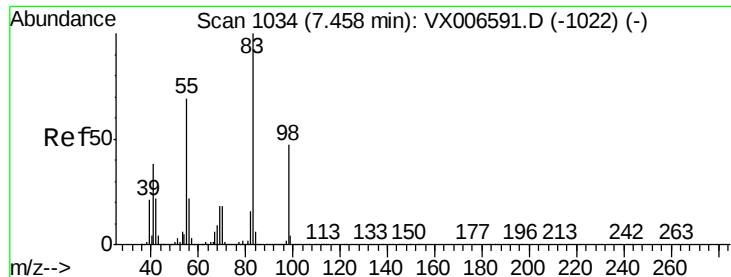
Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion:	117	Resp:	116277
Ion	Ratio	Lower	Upper
117	100		
119	93.4	79.4	119.2
121	30.5	24.0	36.0





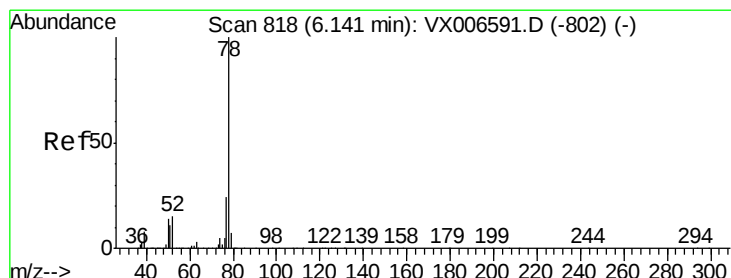
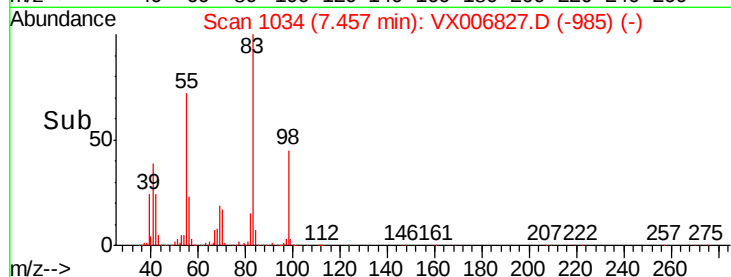
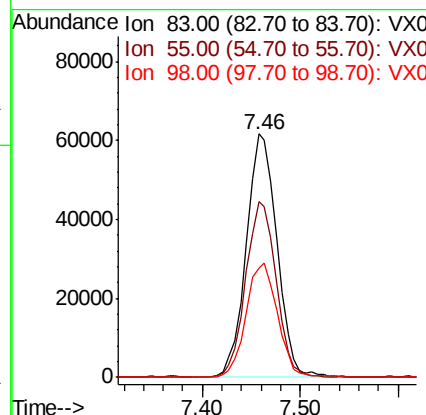
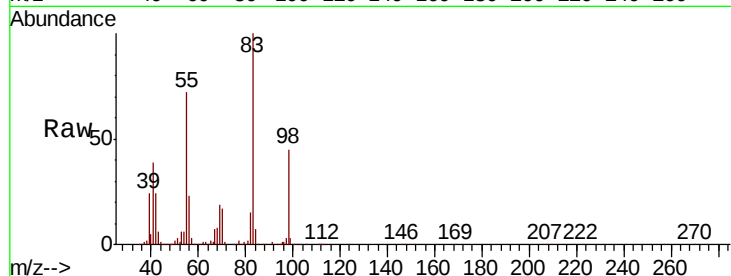
#39
Methylvlcyclohexane
Concen: 14.556 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	54.9	82.3
98	44.8	37.9	56.9

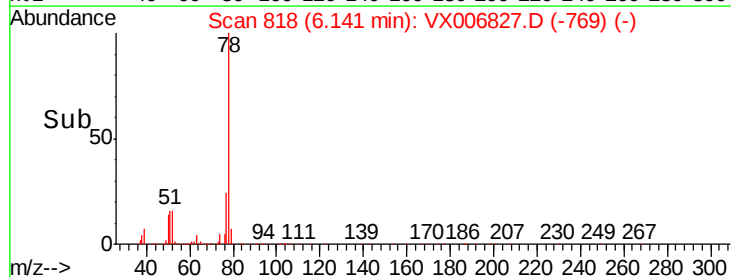
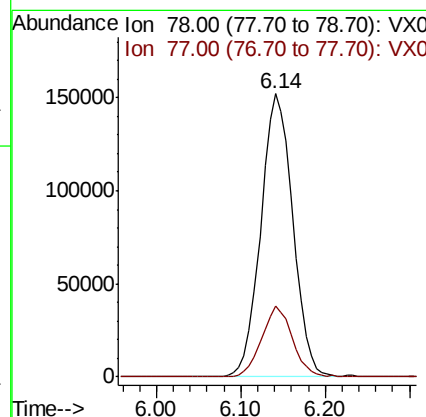
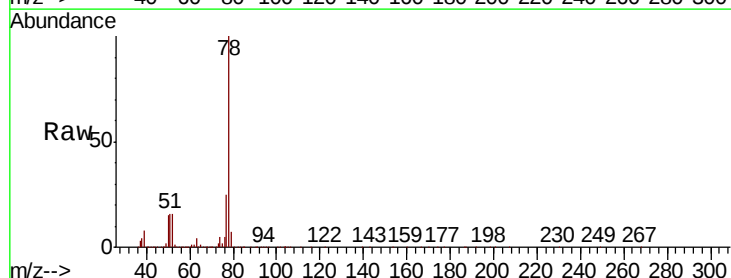
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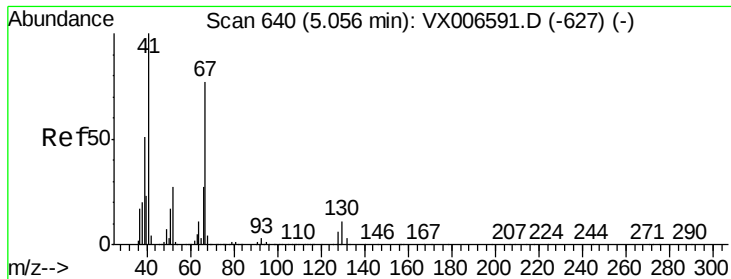
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#40
Benzene
Concen: 18.536 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.2	28.8





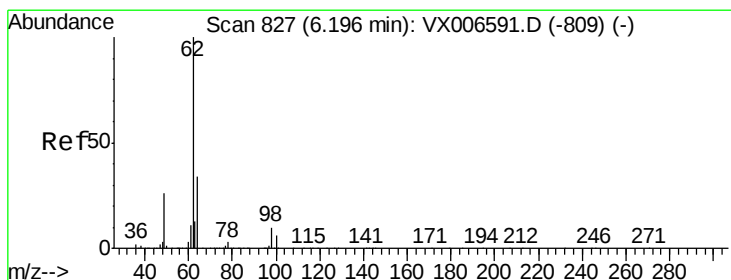
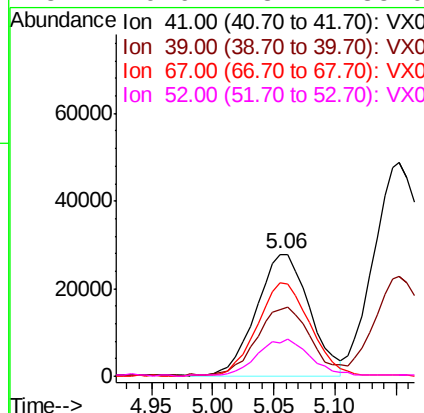
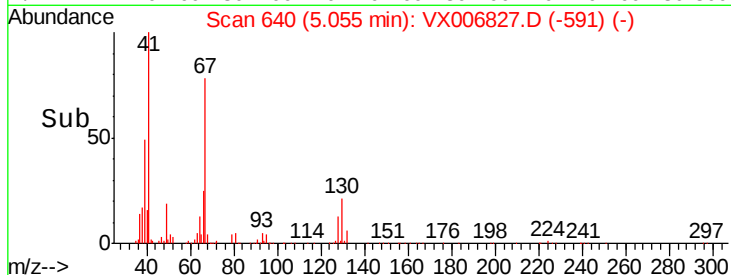
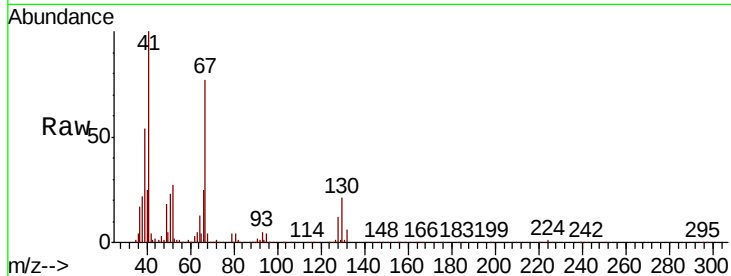
#41
Methacrylonitrile
Concen: 21.627 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		84169		
39	57.4	42.8	64.2		
67	74.5	62.1	93.1		
52	29.6	23.4	35.0		

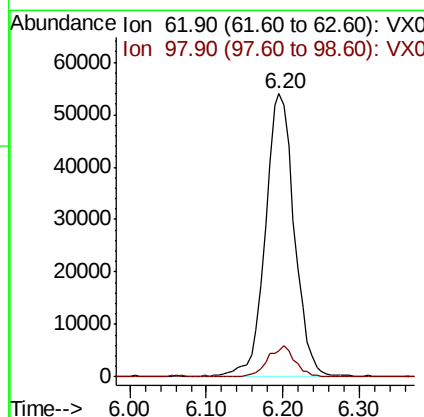
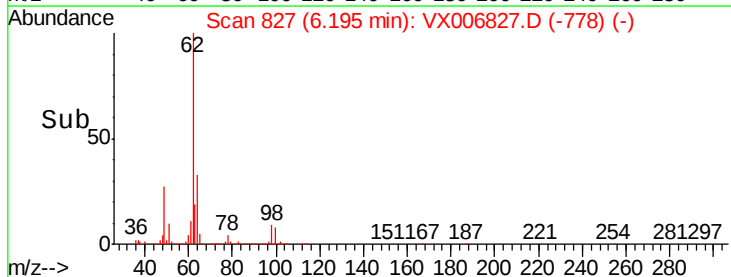
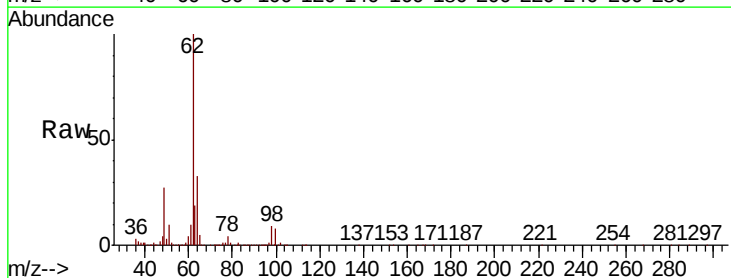
Manual Integrations
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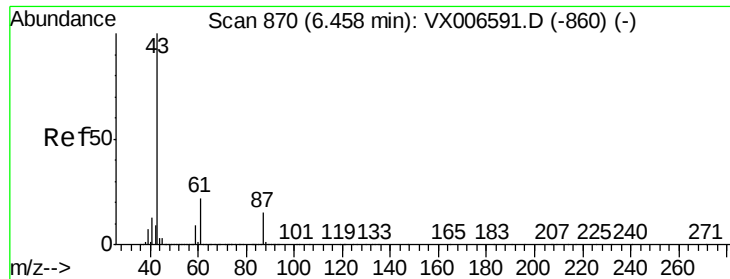
MMDadoda
12/27/2018 9:40:37 AM



#42
1,2-Dichloroethane
Concen: 19.478 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		142091		
98	10.2	0.0	20.2		





#43

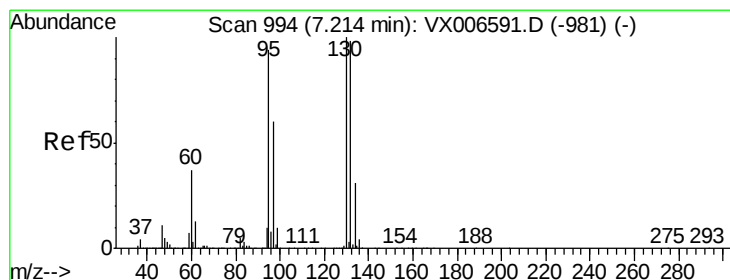
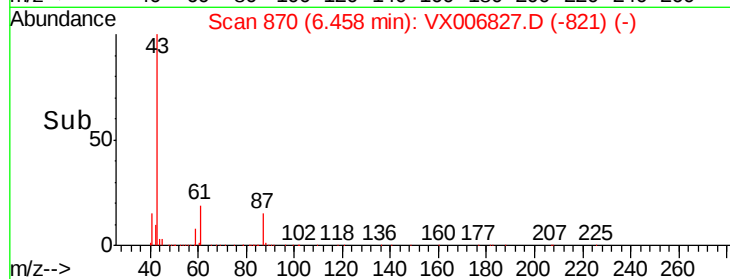
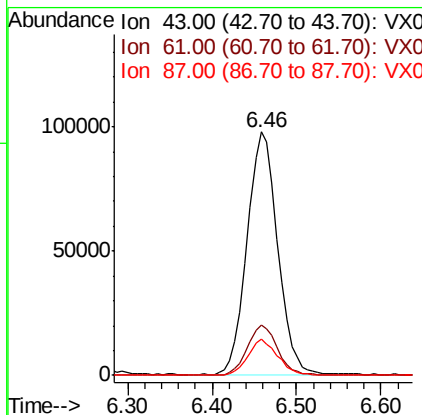
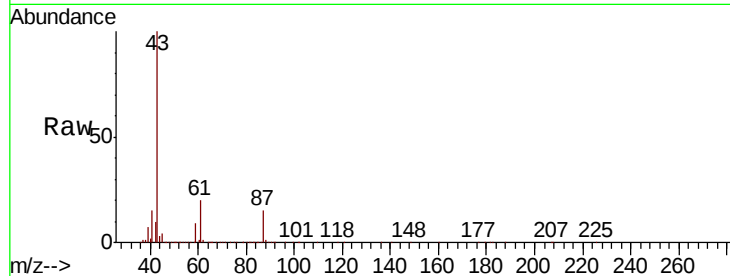
Isopropyl Acetate
 Concen: 21.634 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.8	25.2
87	14.6	12.4	18.6

Manual Integrations
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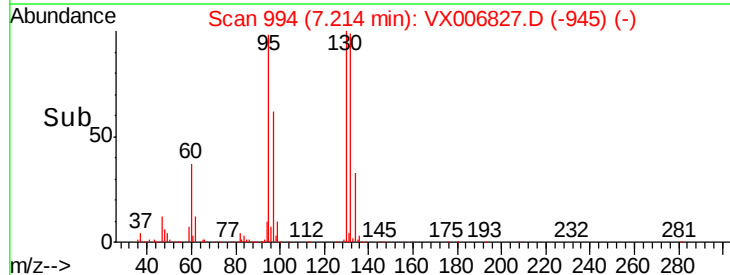
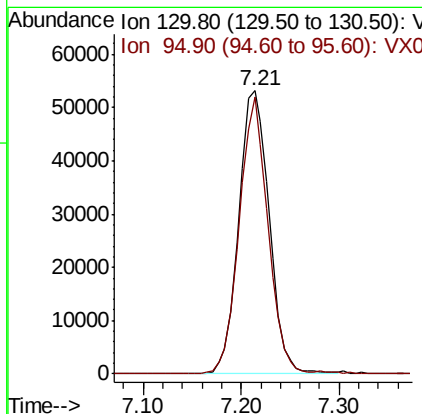
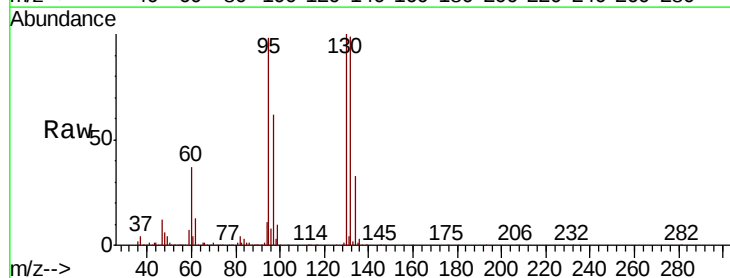
MMDadoda
 12/27/2018 9:40:37 AM



#44

Trichloroethene
 Concen: 17.772 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	187.0





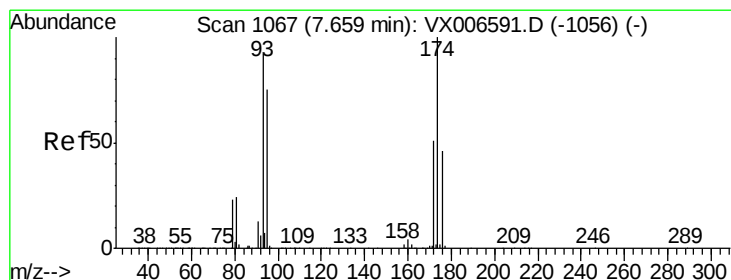
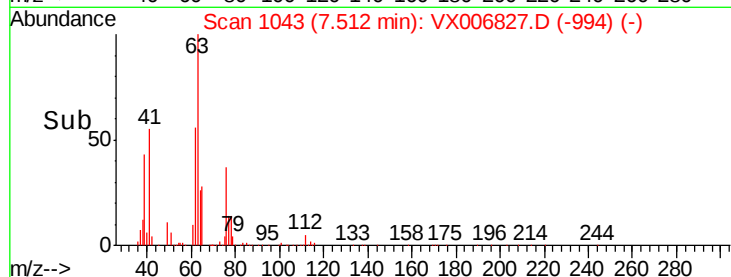
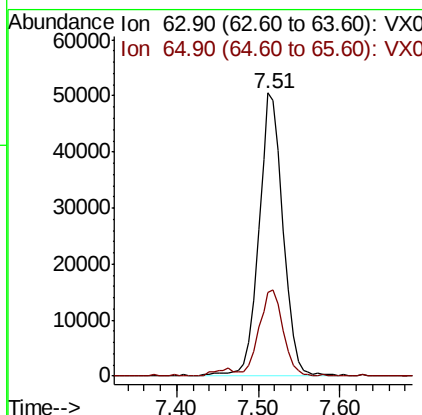
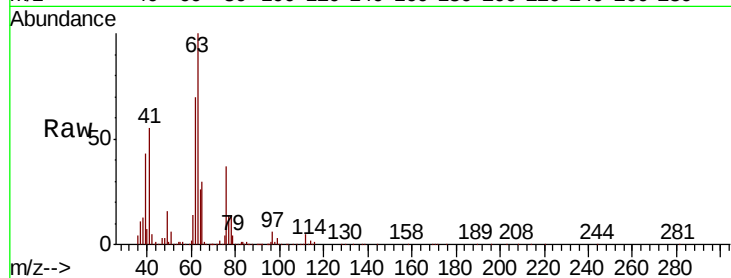
#45
 1,2-Dichloropropane
 Concen: 20.062 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.2	25.4	38.0

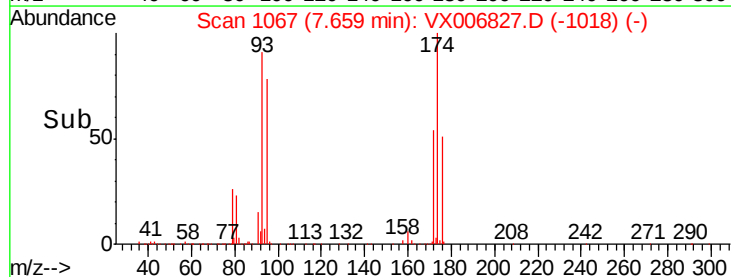
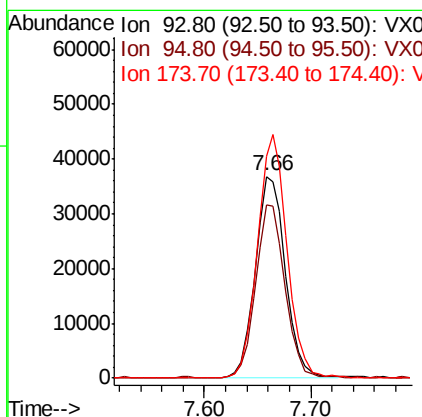
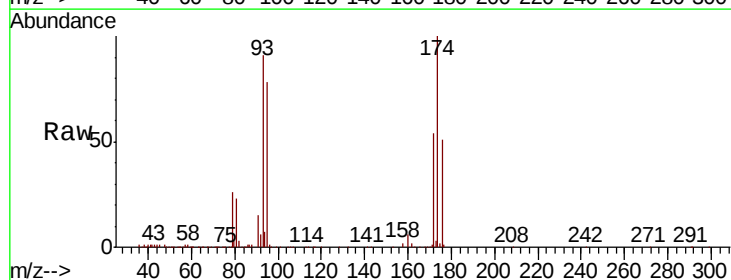
Manual Integrations
 APPROVED

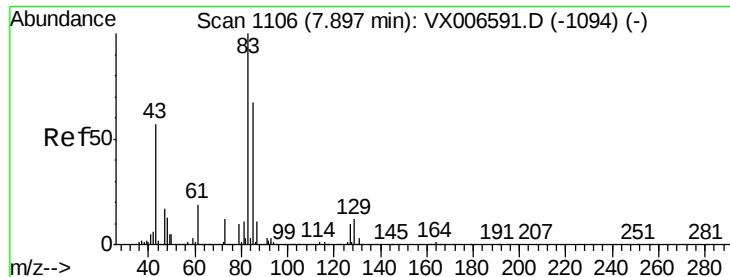
MMDadoda
 12/27/2018 9:40:37 AM



#46
 Dibromomethane
 Concen: 19.038 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	66.2	99.4
174	118.3	91.0	136.4





#47

Bromodichloromethane

Concen: 18.400 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

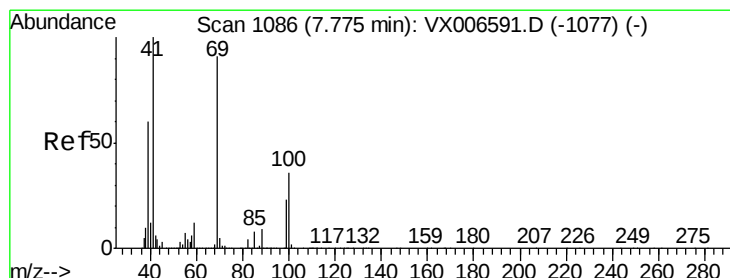
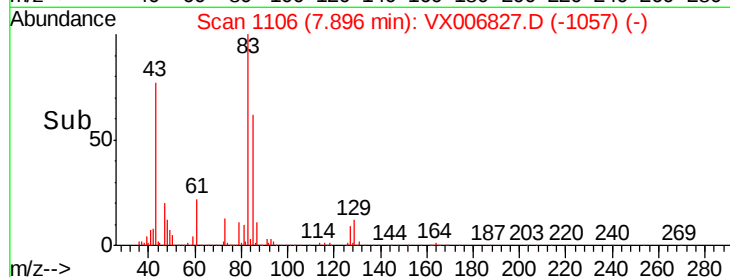
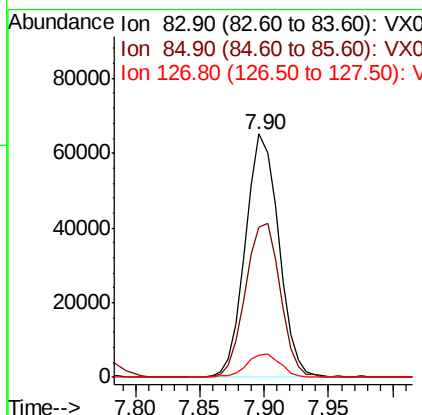
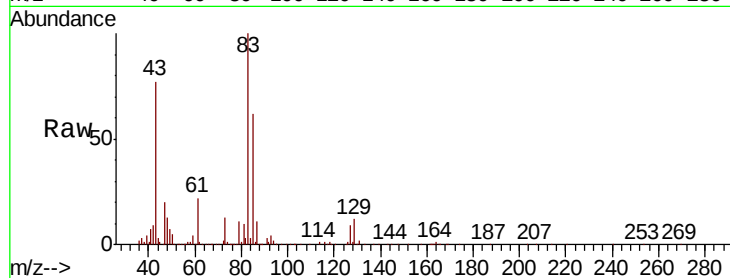
ClientSampleId :

VX1226MBSD01

Tot Ion:	83	Resp:	117065
Ion Ratio	Lower	Upper	
83	100		
85	61.6	53.2	79.8
127	9.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.684 ug/l

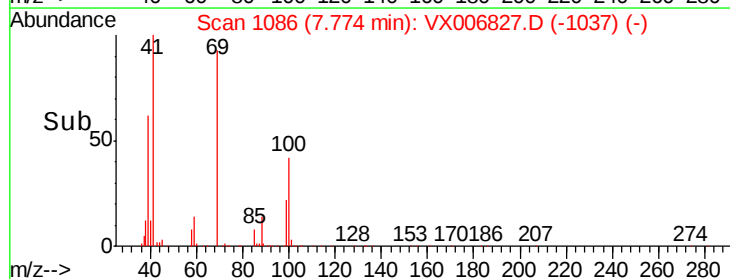
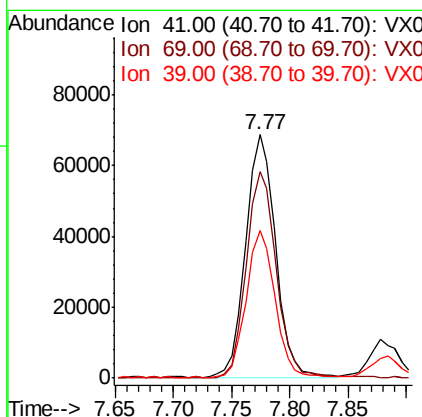
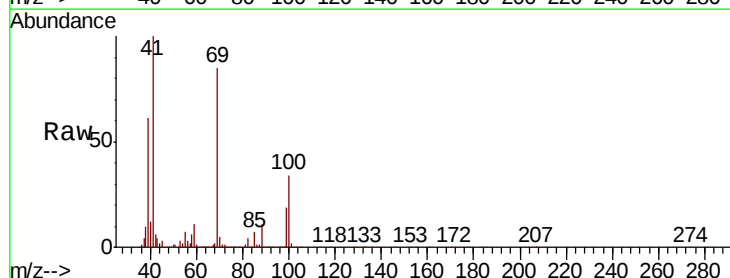
RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion:	41	Resp:	122991
Ion Ratio	Lower	Upper	
41	100		
69	87.0	72.4	108.6
39	58.9	45.8	68.8





#49

1,4-Dioxane

Concen: 346.147 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

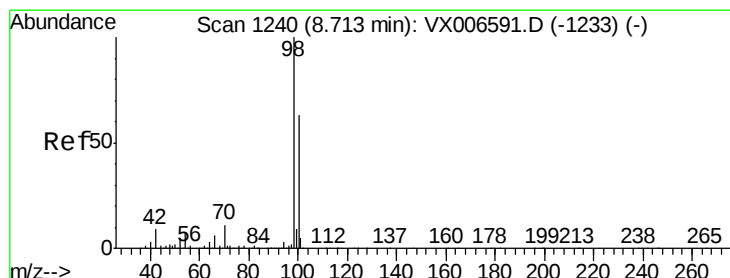
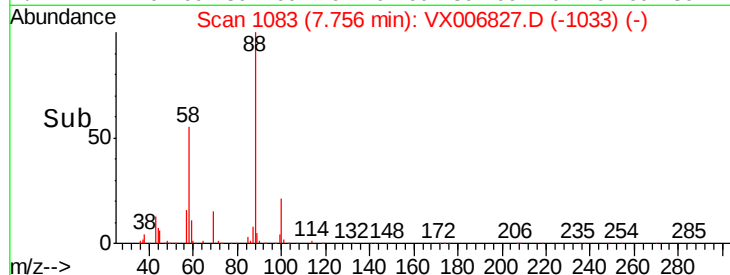
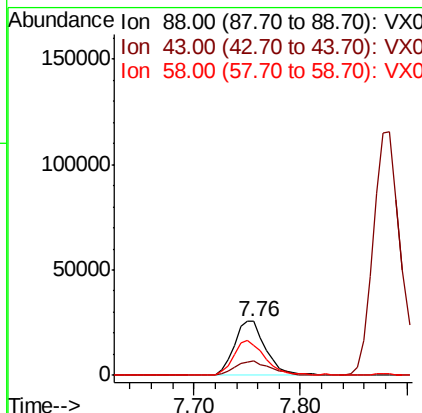
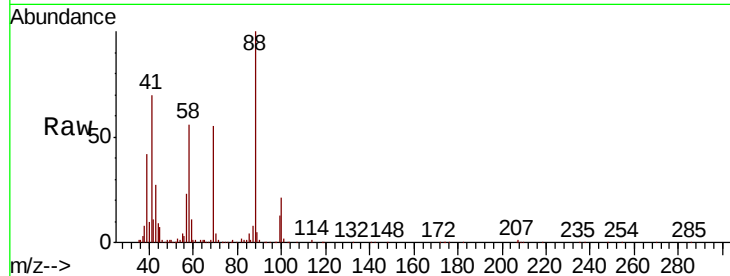
ClientSampleId :

VX1226MBSD01

Tot Ion:	88	Resp:	53299
Ion	Ratio	Lower	Upper
88	100		
43	28.0	22.2	33.4
58	62.7	51.0	76.4

Manual Integrations
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#50

Toluene-d8

Concen: 47.417 ug/l

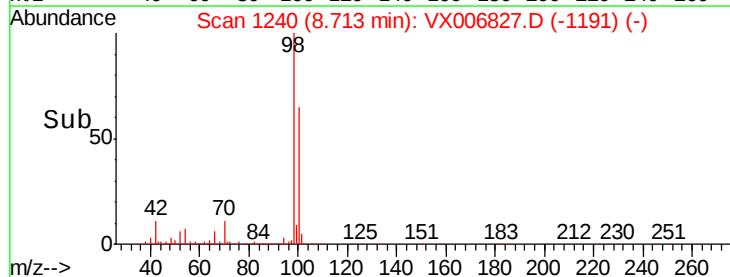
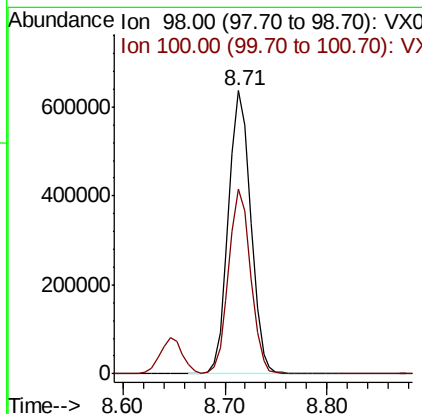
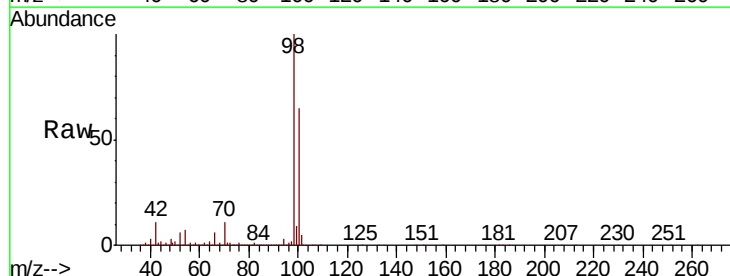
RT: 8.71 min Scan# 1240

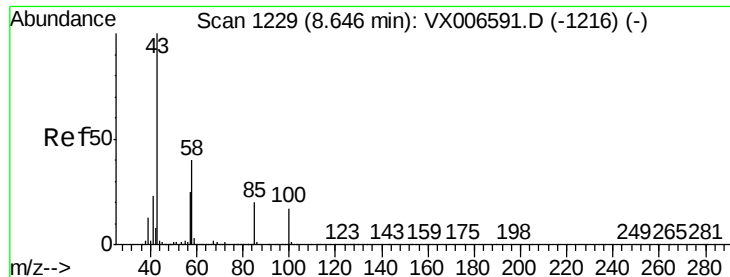
Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion:	98	Resp:	961331
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0





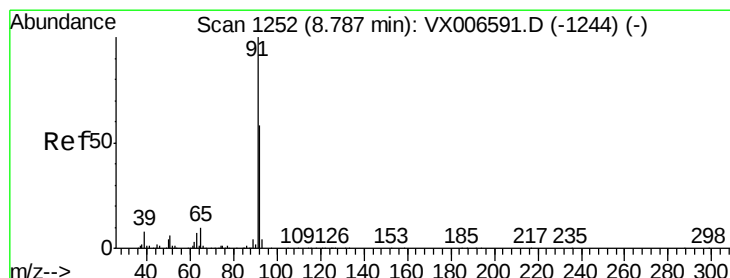
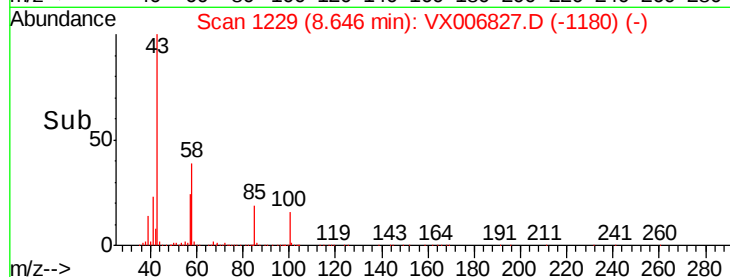
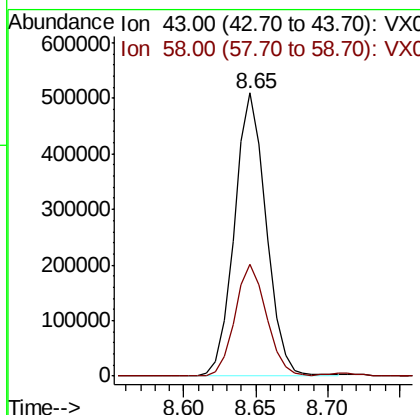
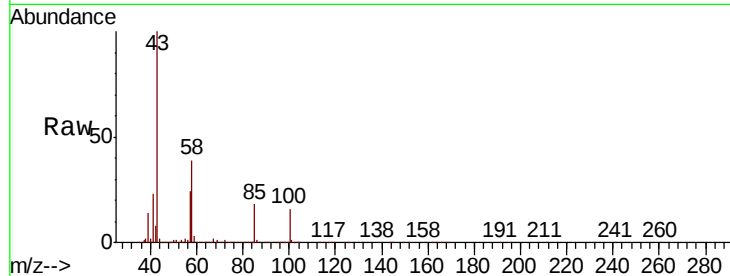
#51
4-Methyl-2-Pentanone
Concen: 110.135 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.8	47.6

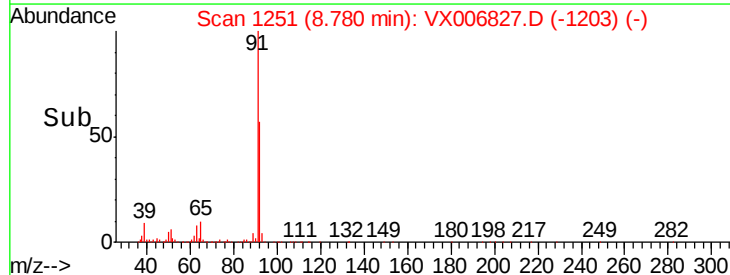
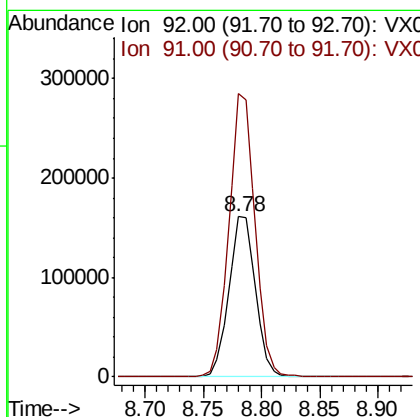
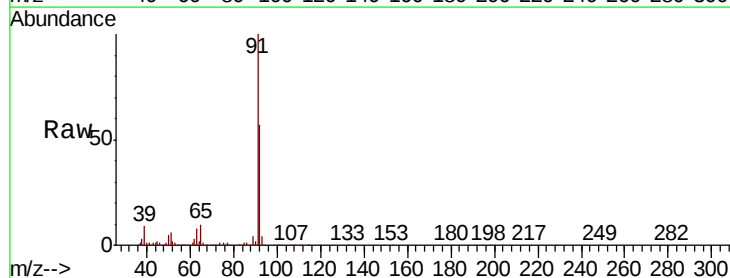
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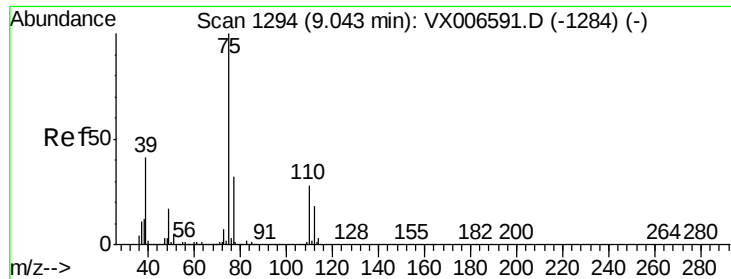
MMDadoda
12/27/2018 9:40:37 AM



#52
Toluene
Concen: 18.588 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	137.6	206.4





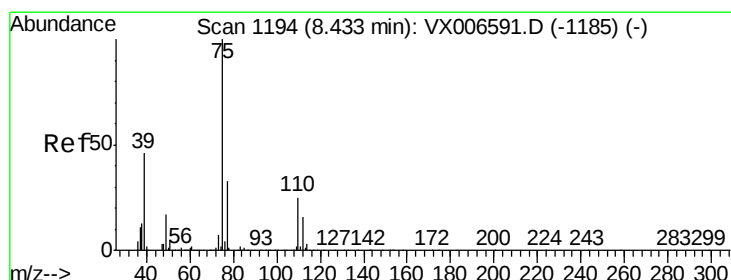
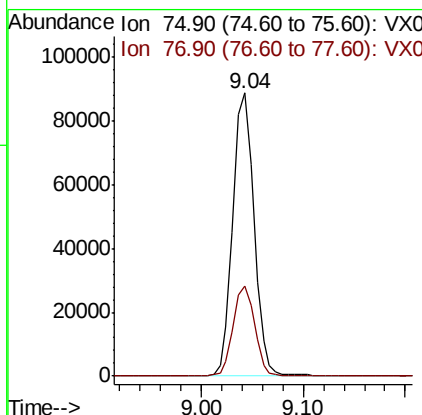
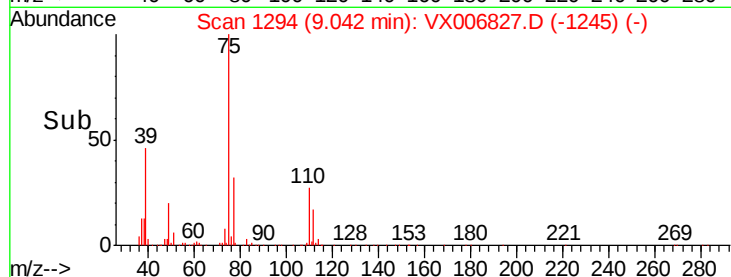
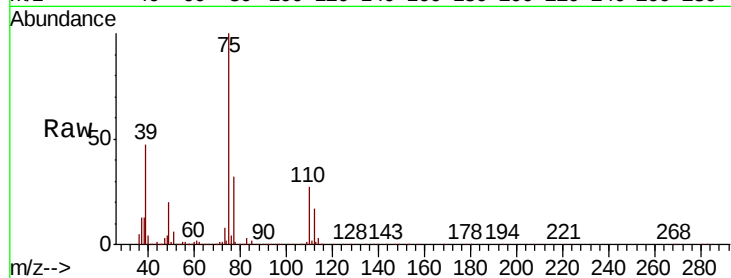
#53
t-1,3-Dichloropropene
Concen: 18.801 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBSD01

Tot Ion: 75 Resp: 128281
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.0

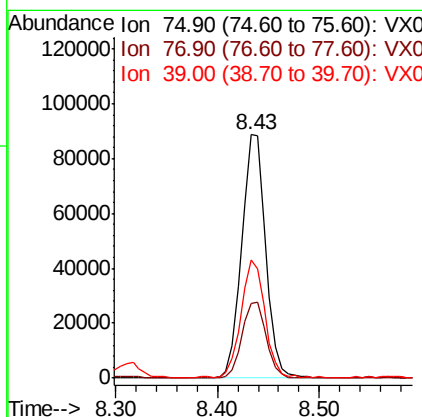
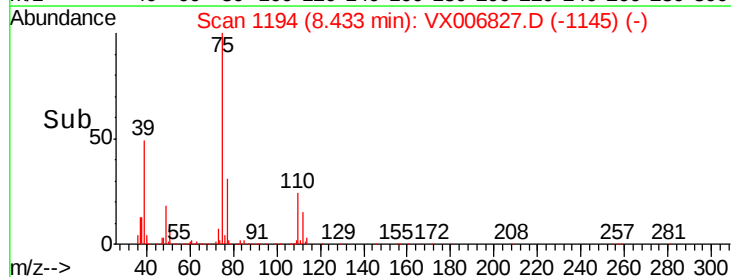
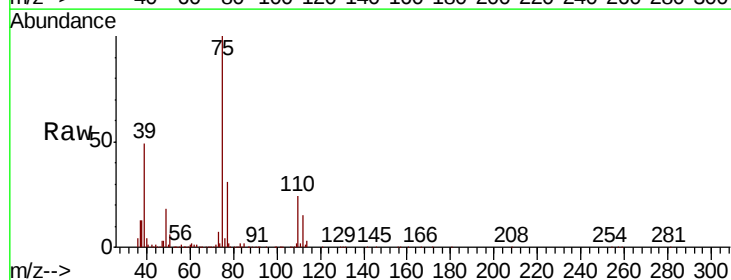
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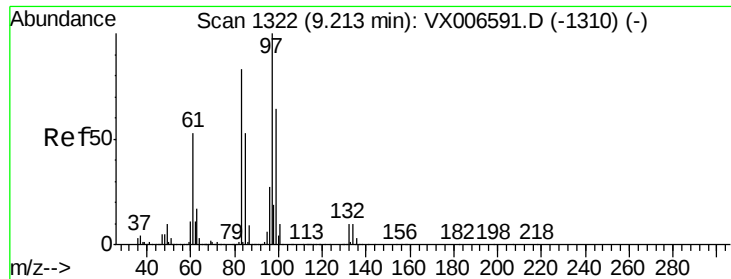
MMDadoda
12/27/2018 9:40:37 AM



#54
cis-1,3-Dichloropropene
Concen: 19.268 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion: 75 Resp: 144254
Ion Ratio Lower Upper
75 100
77 30.7 26.2 39.2
39 48.4 36.7 55.1





#55

1,1,2-Trichloroethane

Concen: 19.950 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

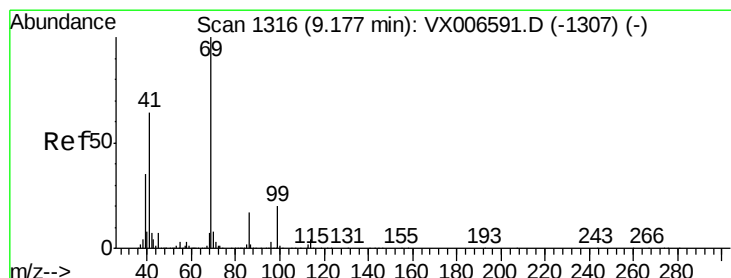
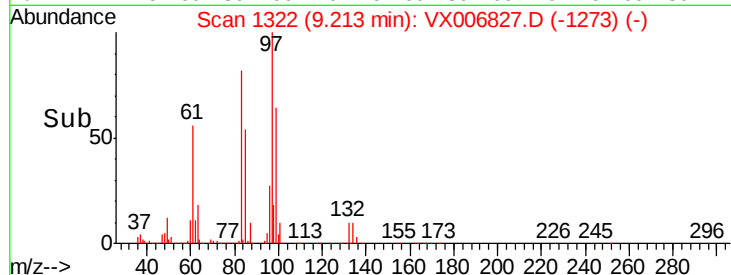
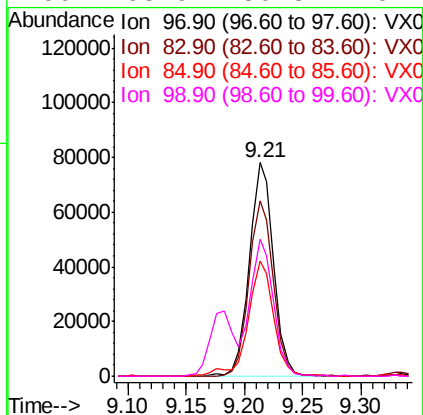
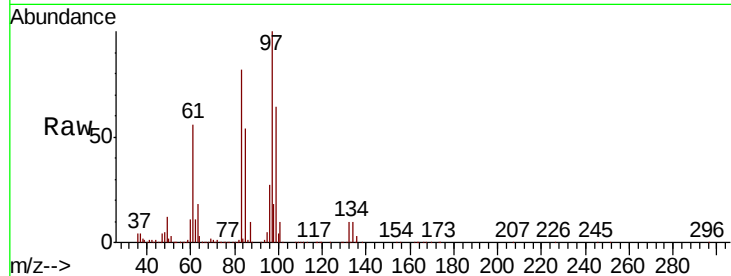
ClientSampleId :

VX1226MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		112940		
83	81.8	66.6	99.8		
85	53.7	42.7	64.1		
99	63.9	50.8	76.2		

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#56

Ethyl methacrylate

Concen: 21.039 ug/l

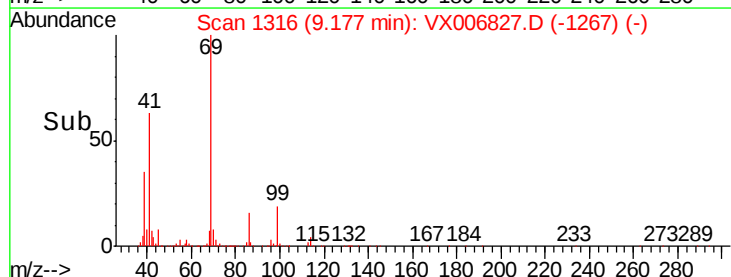
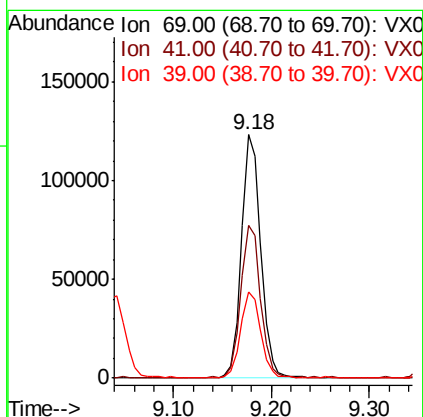
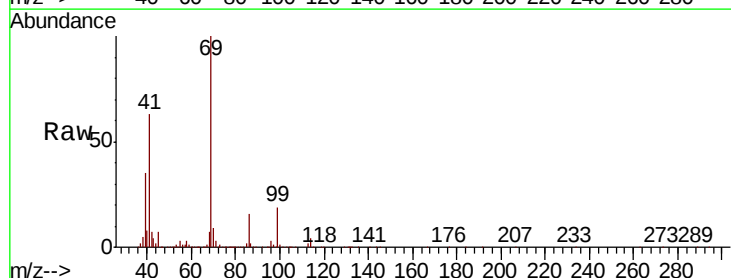
RT: 9.18 min Scan# 1316

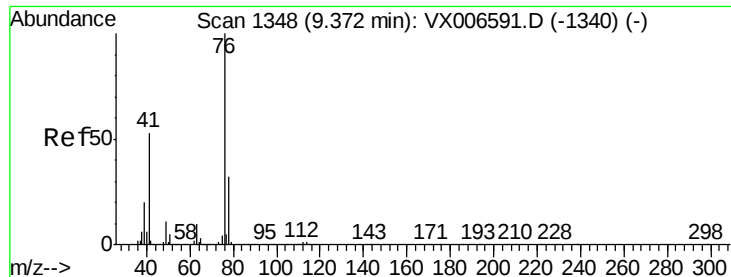
Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		168341		
41	64.2	48.7	73.1		
39	36.8	27.0	40.6		





#57

1,3-Dichloropropane

Concen: 20.160 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

VX1226MBS01

Tot Ion: 76 Resp: 183626

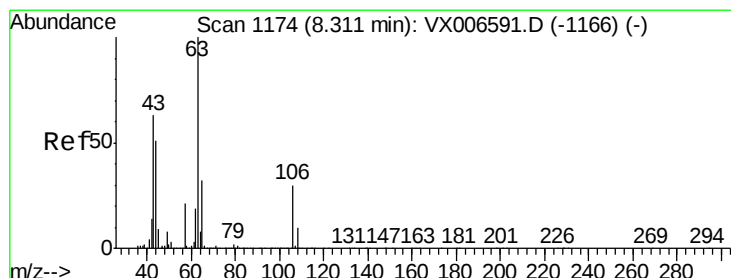
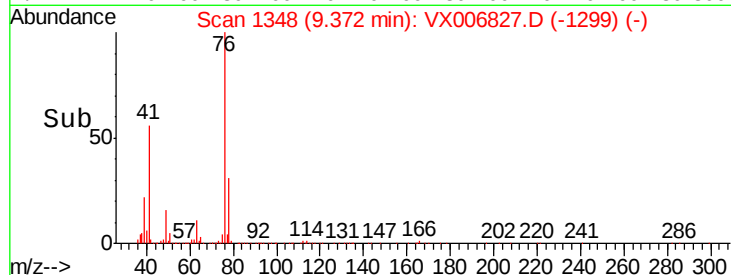
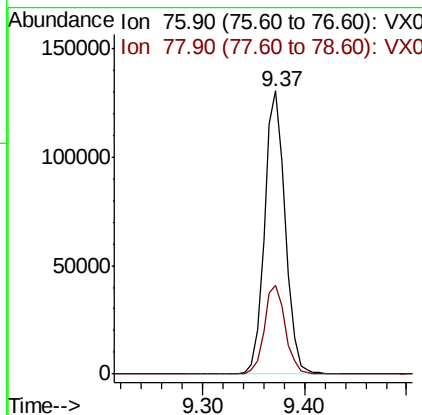
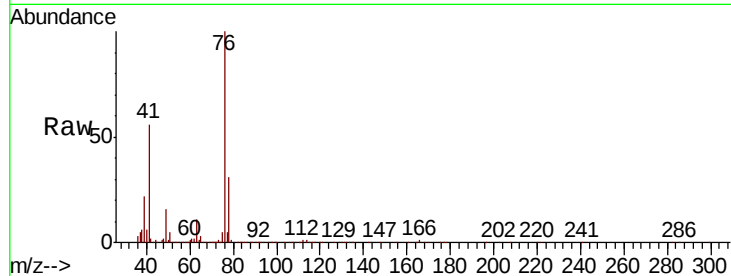
Ion Ratio Lower Upper

76 100

78 32.0 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 103.975 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX006827.D

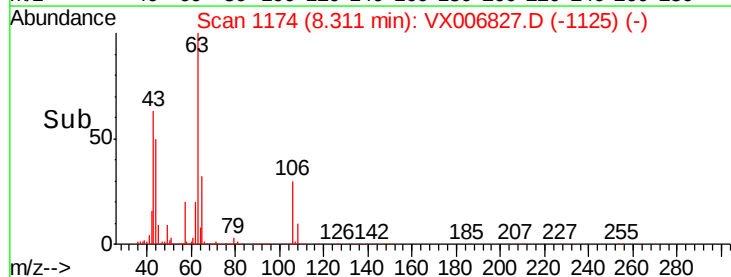
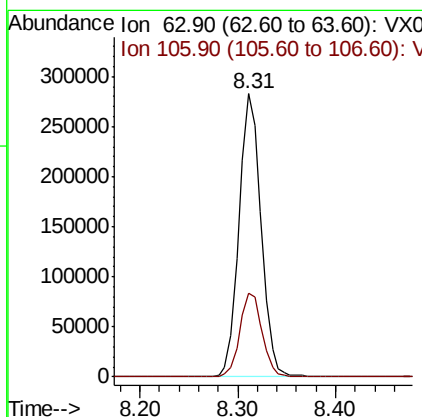
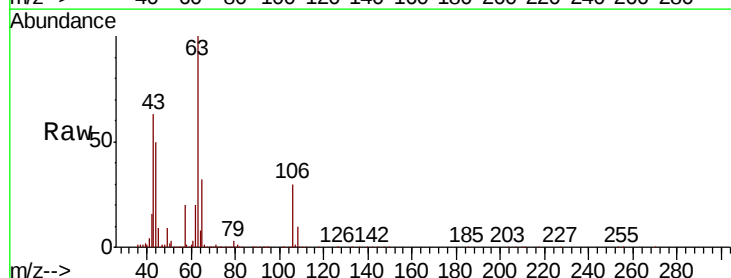
Acq: 26 Dec 2018 19:08

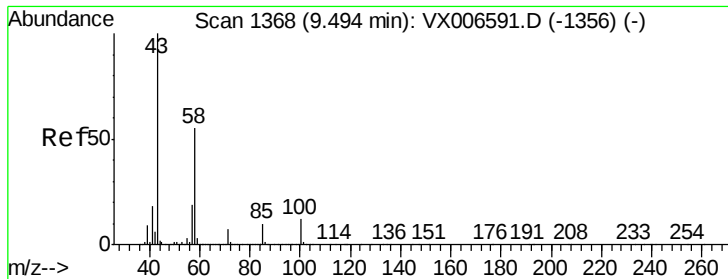
Tgt Ion: 63 Resp: 442236

Ion Ratio Lower Upper

63 100

106 30.0 24.6 36.8





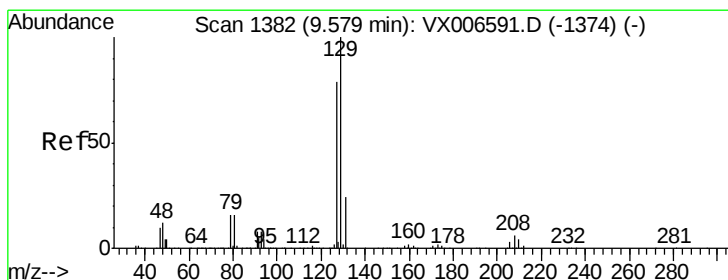
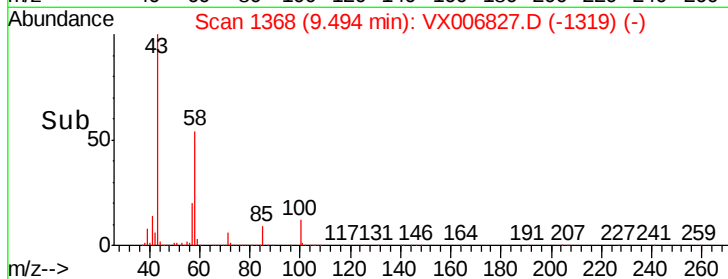
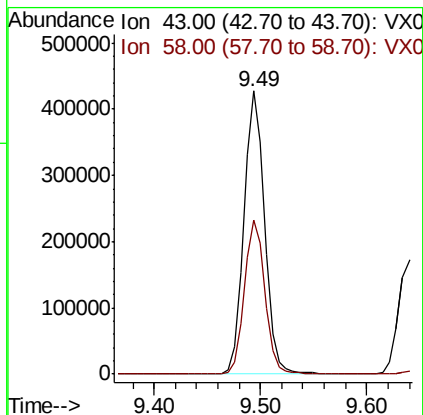
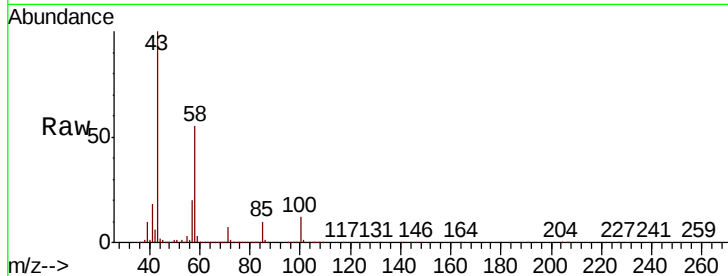
#59
2-Hexanone
Concen: 107.017 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBS01

Tot Ion: 43 Resp: 581090
Ion Ratio Lower Upper
43 100
58 54.1 27.7 83.1

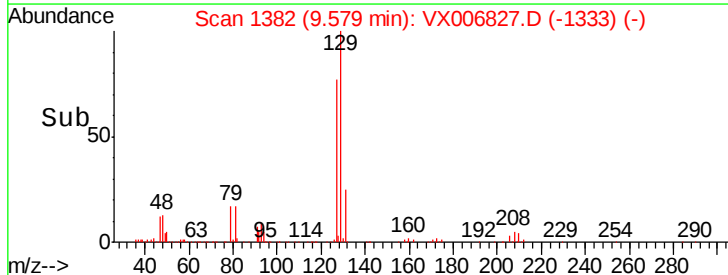
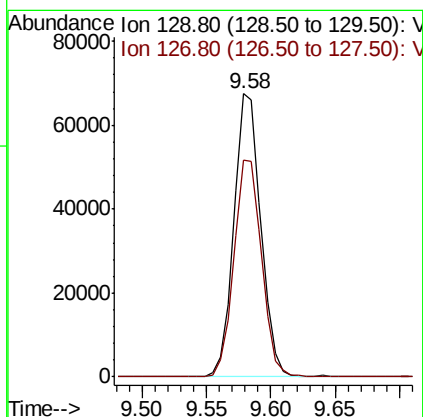
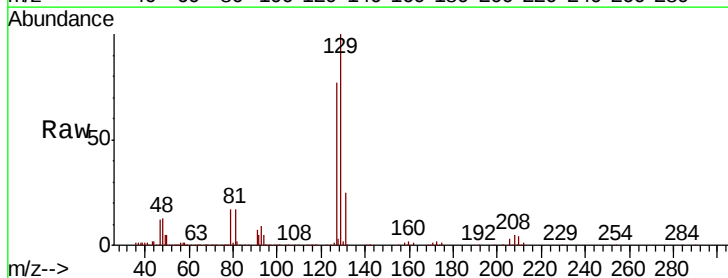
Manual Integrations
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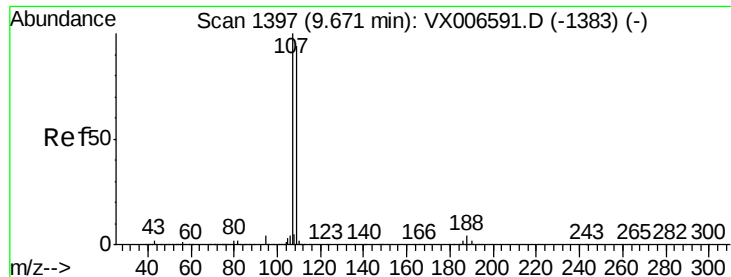
MMDadoda
12/27/2018 9:40:37 AM



#60
Dibromochloromethane
Concen: 18.174 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion: 129 Resp: 98422
Ion Ratio Lower Upper
129 100
127 78.4 39.3 117.8





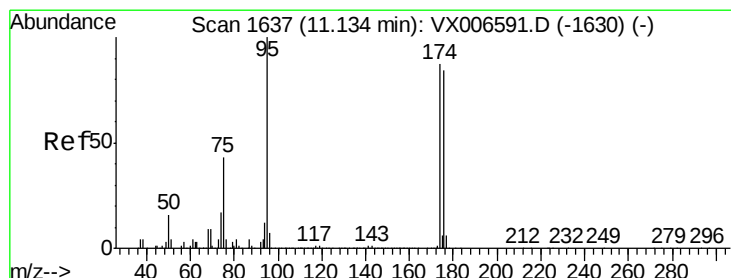
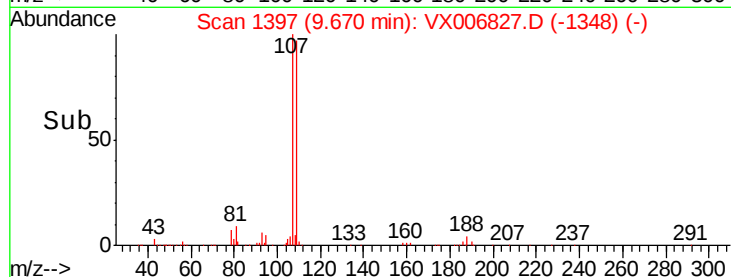
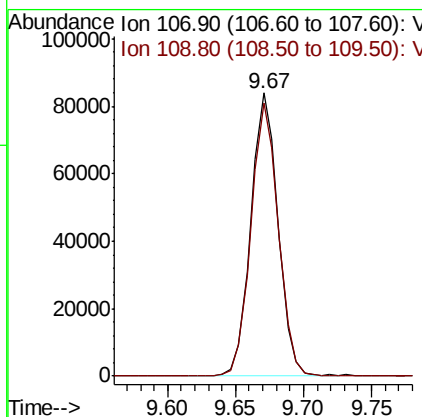
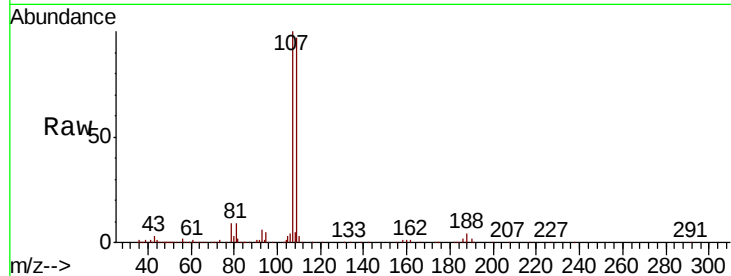
#61
 1,2-Dibromoethane
 Concen: 19.577 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.5	75.8	113.6

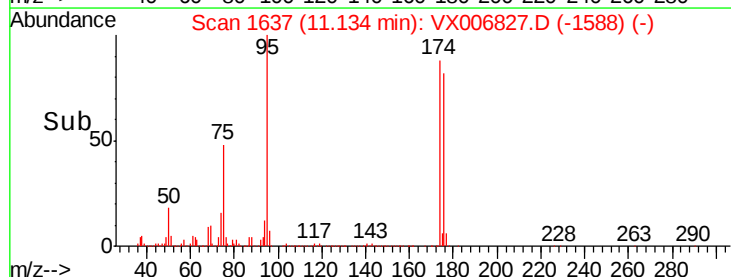
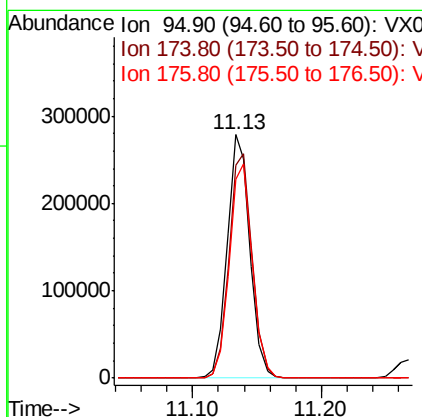
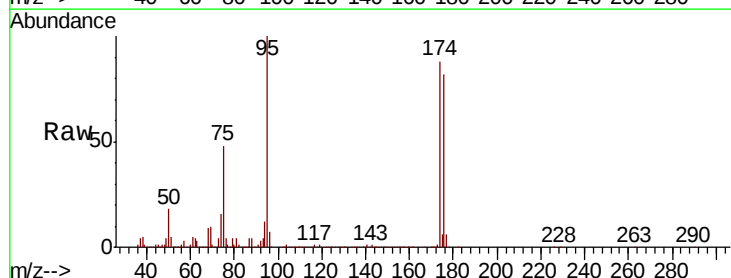
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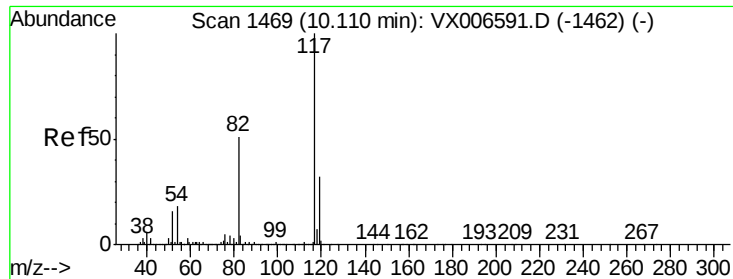
MMDadoda
 12/27/2018 9:40:37 AM



#62
 4-Bromofluorobenzene
 Concen: 46.421 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	182.2
176	89.5	0.0	178.8





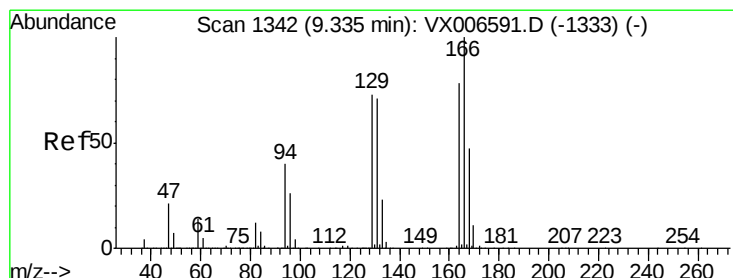
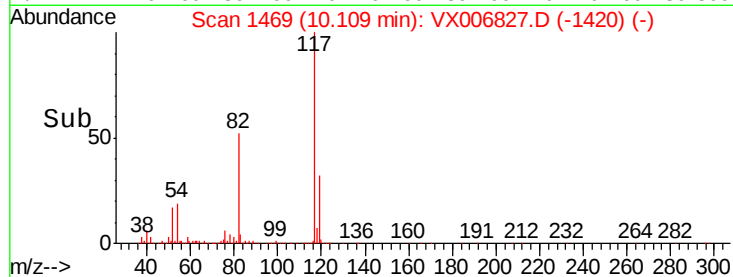
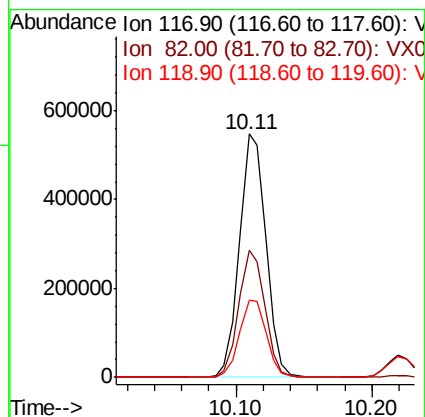
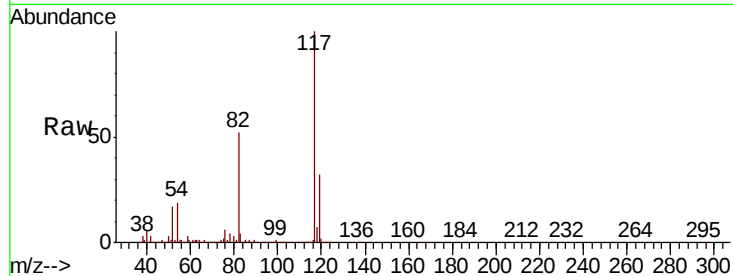
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.0	61.6
119	31.6	25.4	38.0

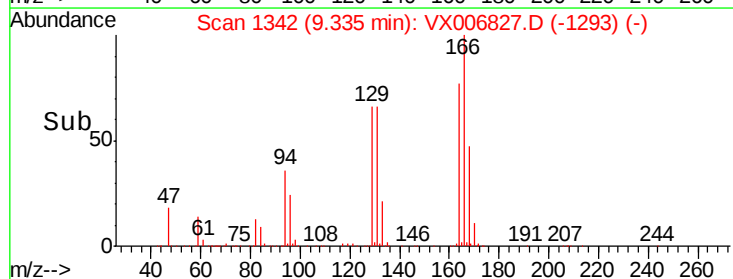
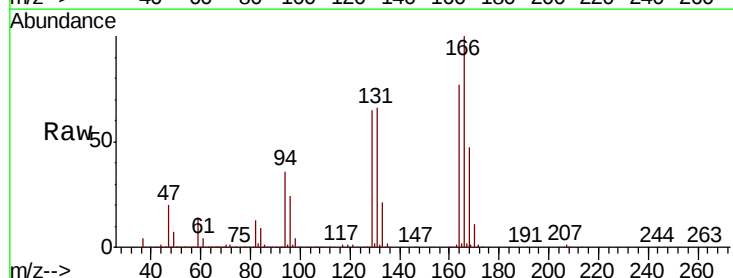
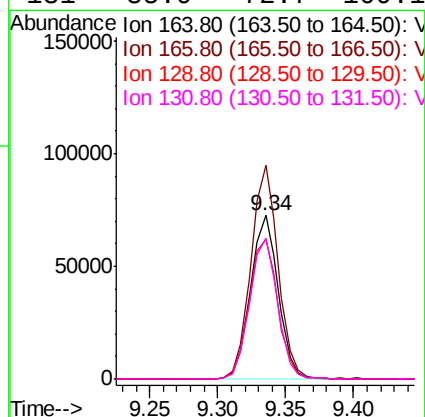
Manual Integrations
APPROVED

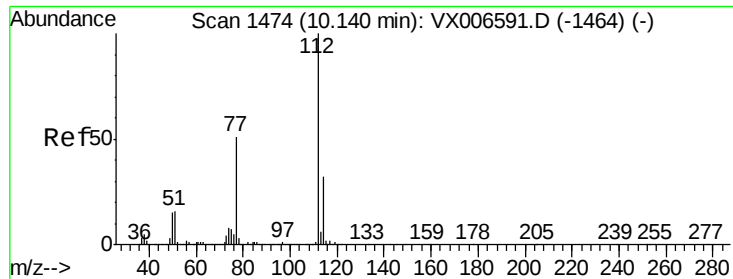
MMDadoda
12/27/2018 9:40:37 AM



#64
Tetrachloroethene
Concen: 17.755 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	102.5	153.7
129	85.6	75.1	112.7
131	85.9	72.7	109.1





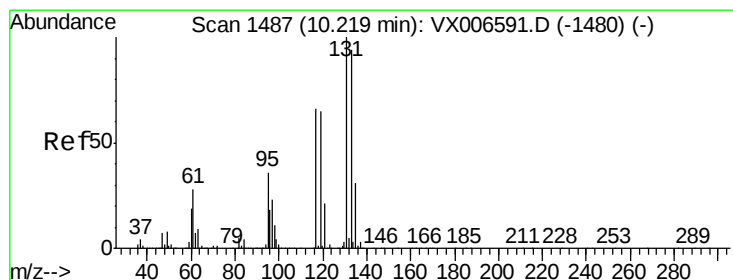
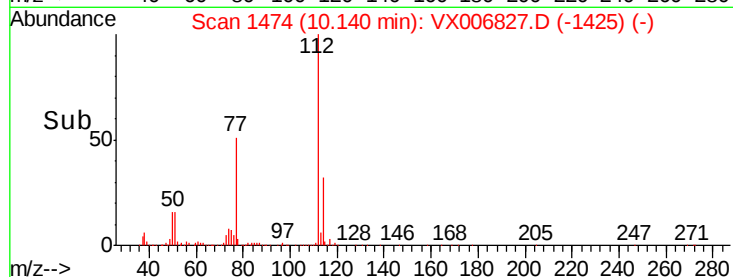
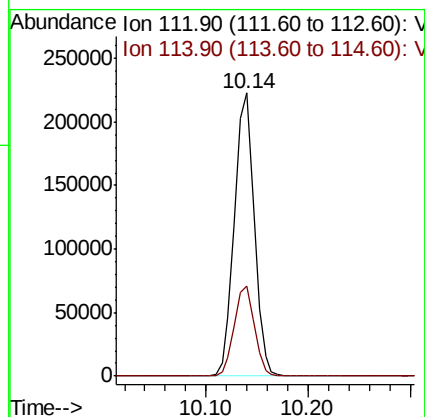
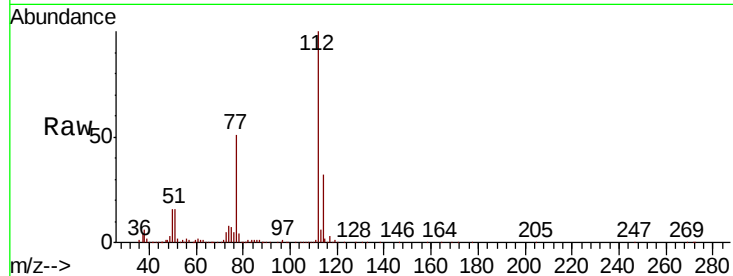
#65
Chlorobenzene
Concen: 19.040 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBS01

Tot Ion:112 Resp: 299049
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

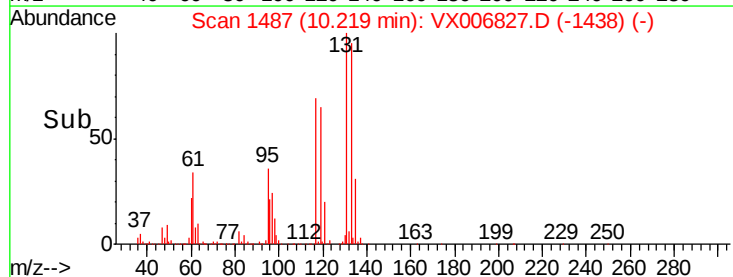
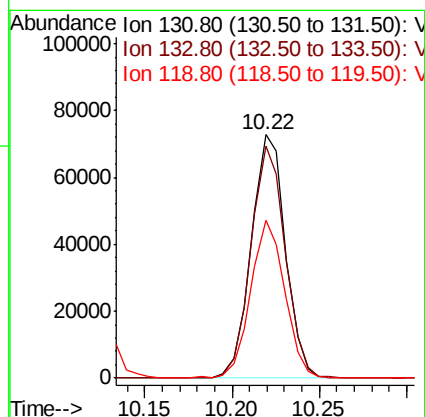
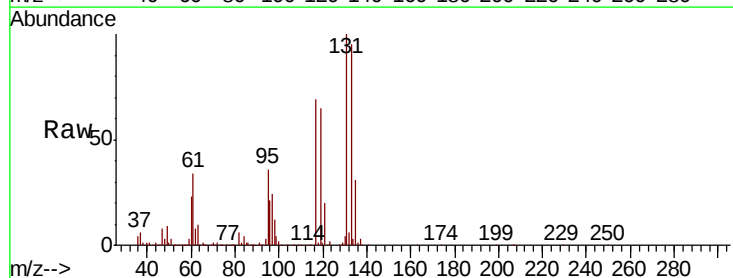
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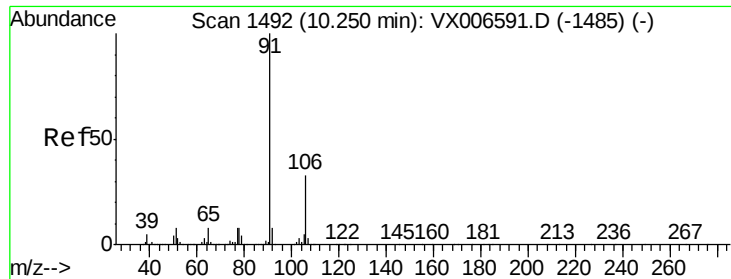
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.146 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion:131 Resp: 98723
Ion Ratio Lower Upper
131 100
133 96.4 48.0 144.2
119 64.8 32.6 97.8





#67

Ethyl Benzene

Concen: 18.063 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

VX1226MBS01

Tot Ion: 91 Resp: 463612

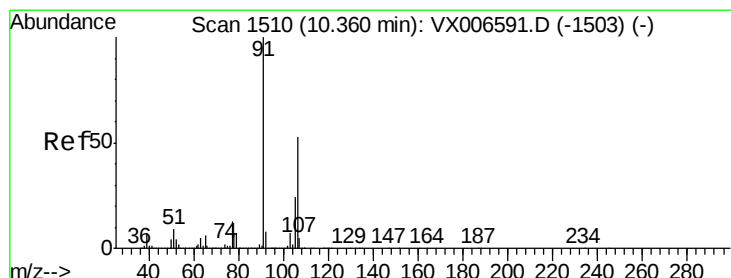
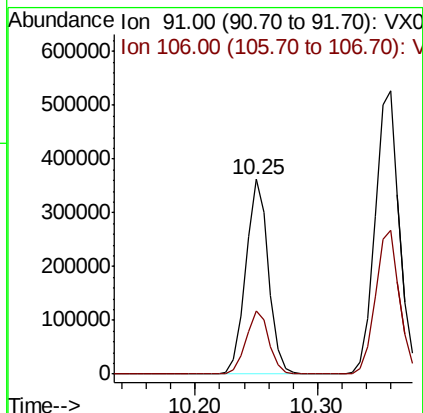
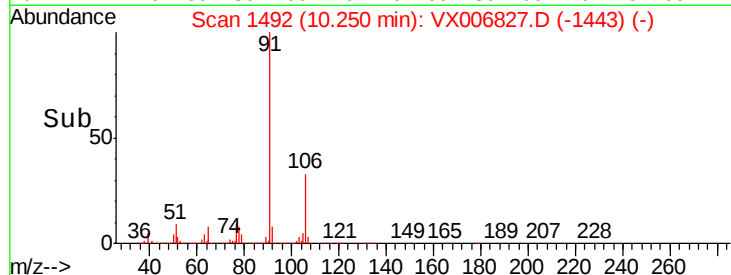
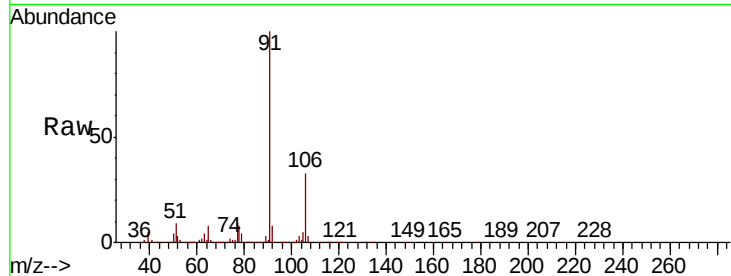
Ion Ratio Lower Upper

91 100

106 32.7 26.4 39.6

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#68

m/p-Xylenes

Concen: 35.941 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006827.D

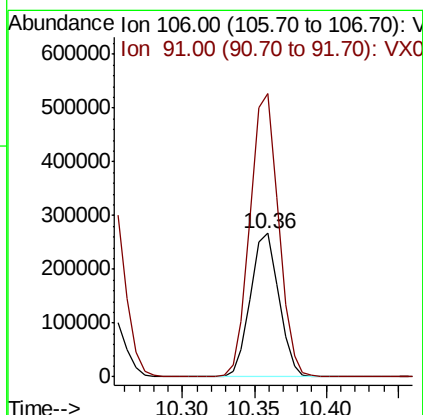
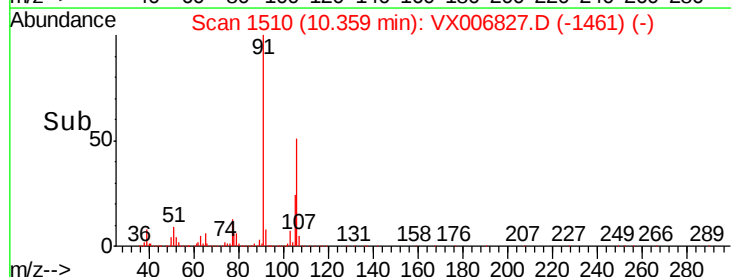
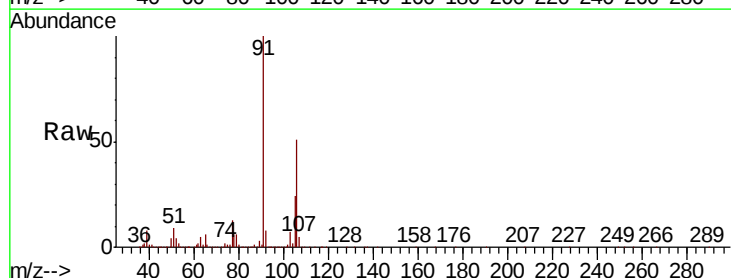
Acq: 26 Dec 2018 19:08

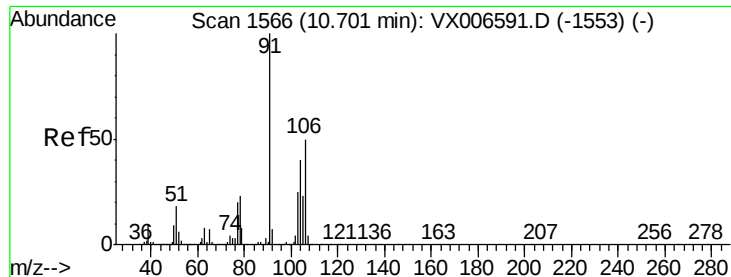
Tgt Ion: 106 Resp: 363994

Ion Ratio Lower Upper

106 100

91 197.8 155.8 233.6





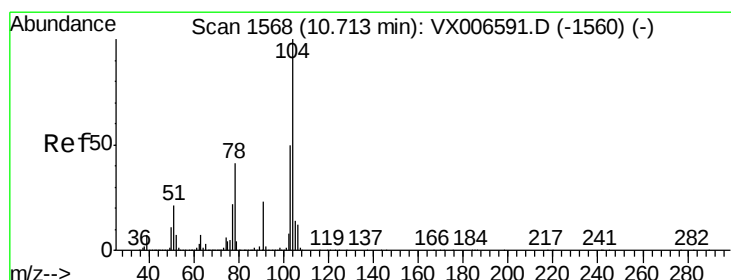
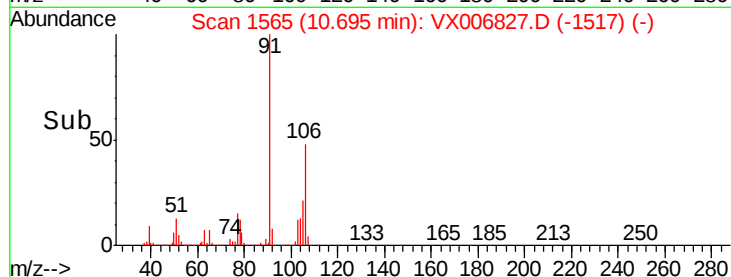
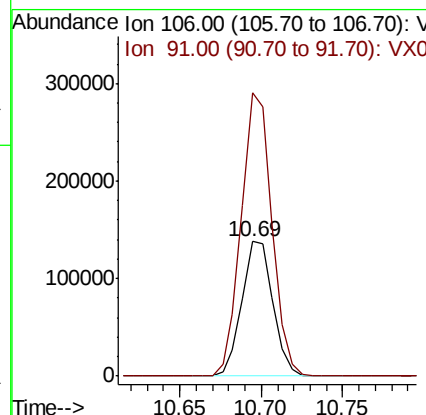
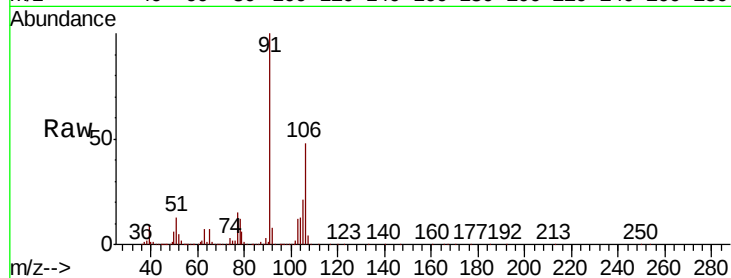
#69
o-Xylene
Concen: 18.429 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBSD01

Tot Ion:106 Resp: 184300
Ion Ratio Lower Upper
106 100
91 207.6 101.3 303.7

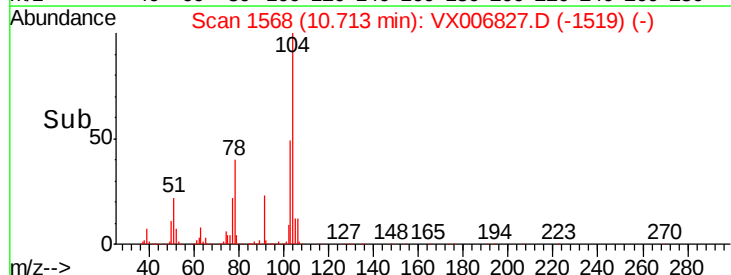
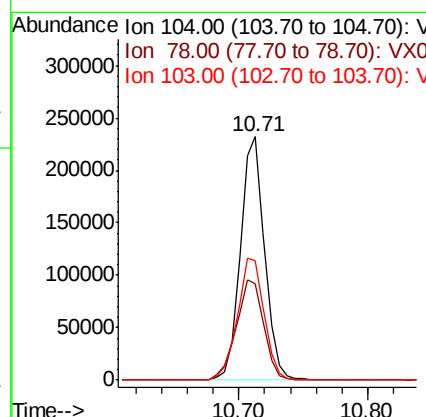
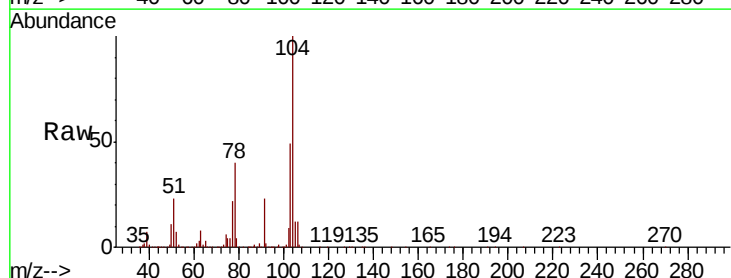
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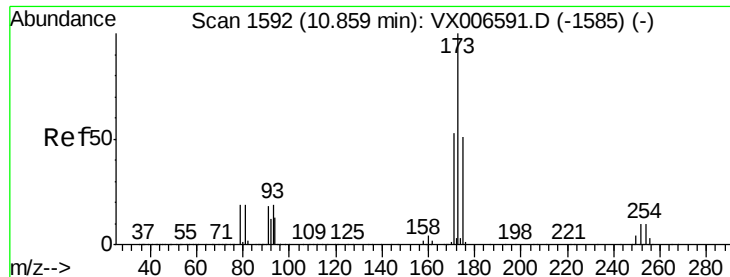
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#70
Styrene
Concen: 19.048 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion:104 Resp: 301377
Ion Ratio Lower Upper
104 100
78 47.3 37.7 56.5
103 56.0 43.8 65.8





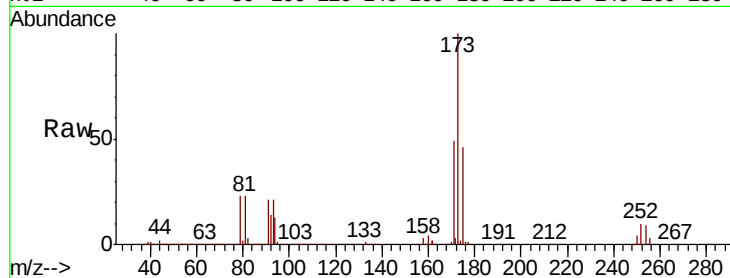
#71
Bromoform
Concen: 19.161 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBSD01

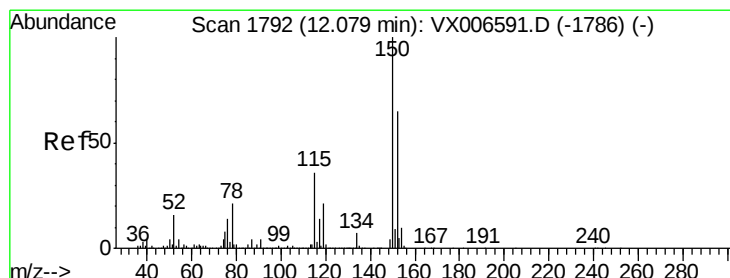
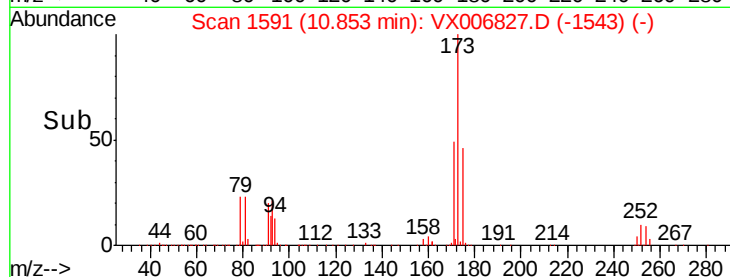
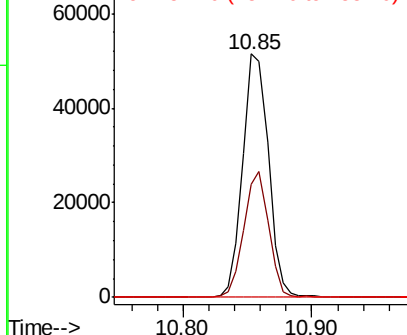
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.7	74.1
254	0.0	0.2	0.2#

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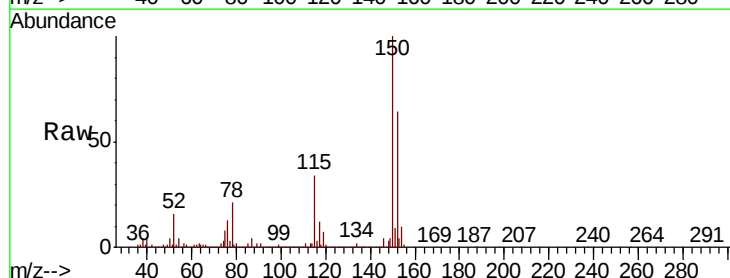


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

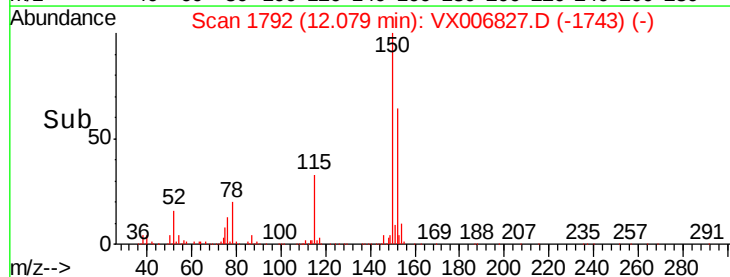
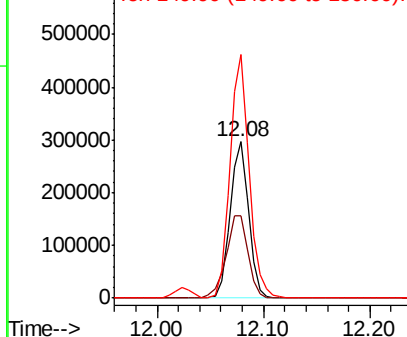


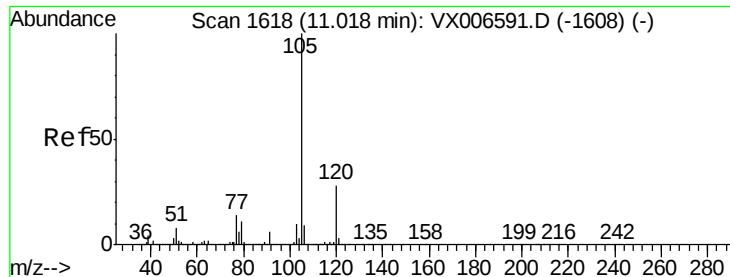
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	39.1	117.2
150	160.7	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: 18.655 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

VX1226MBSD01

Tot Ion: 105 Resp: 461485

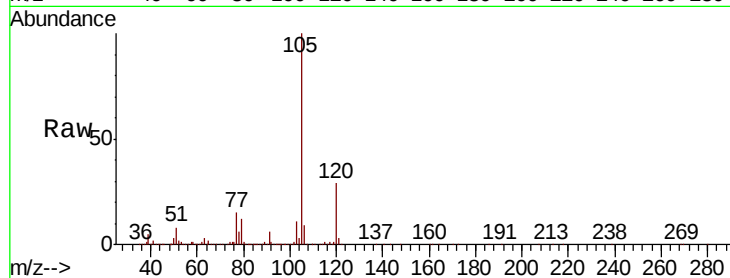
Ion Ratio Lower Upper

105 100

120 28.2 14.1 42.4

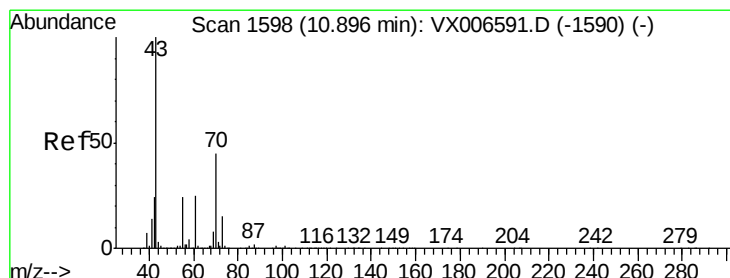
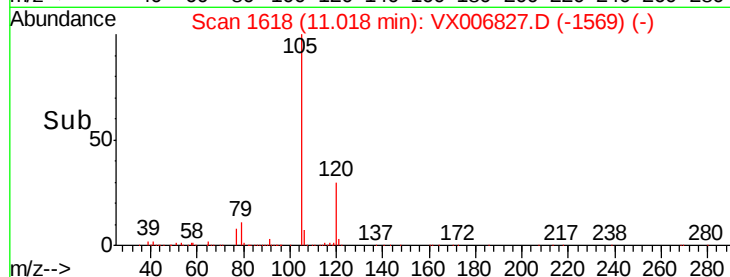
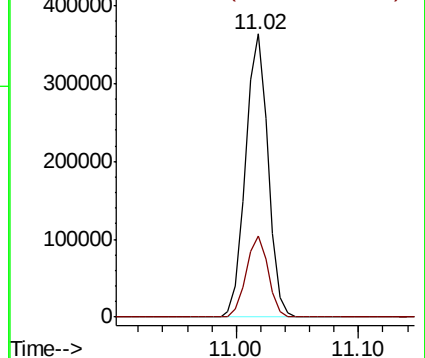
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 24.058 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion: 43 Resp: 213025

Ion Ratio Lower Upper

43 100

70 43.0 35.8 53.8

55 24.0 19.4 29.0

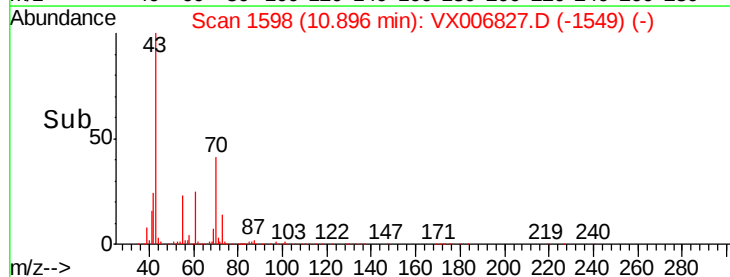
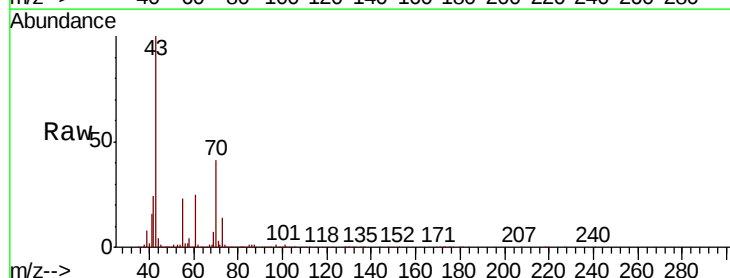
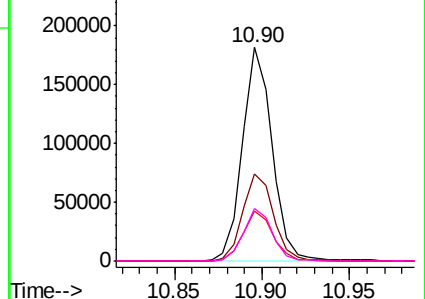
61 24.3 20.1 30.1

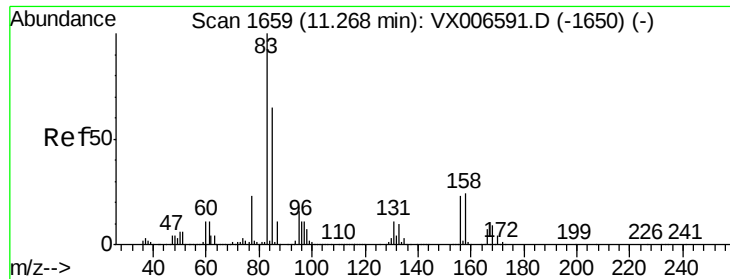
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.550 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

VX1226MBSD01

Tot Ion: 83 Resp: 165904

Ion Ratio Lower Upper

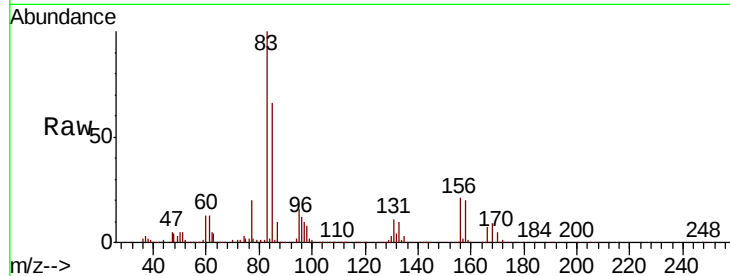
83 100

131 11.0 5.7 17.1

85 64.6 32.2 96.6

Manual Integrations
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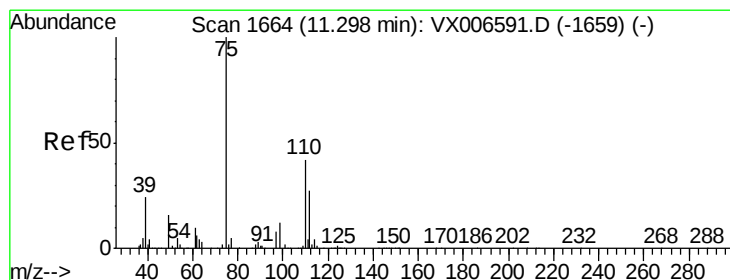
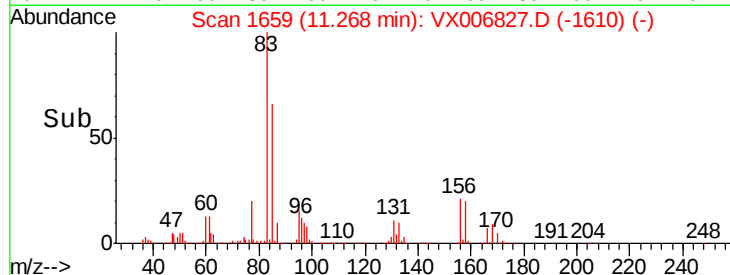
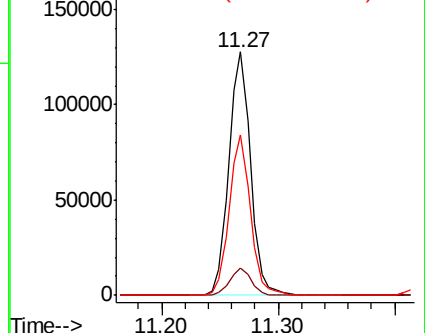
MMDadoda
12/27/2018 9:40:37 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 22.809 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX006827.D

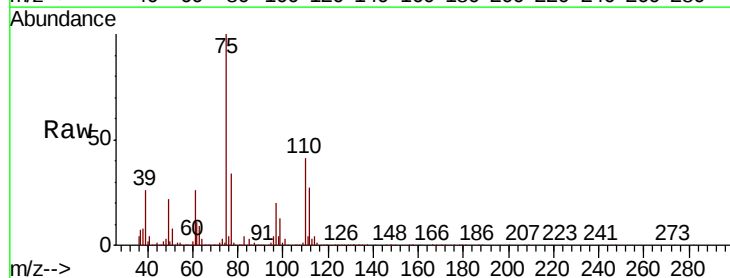
Acq: 26 Dec 2018 19:08

Tgt Ion: 75 Resp: 153276

Ion Ratio Lower Upper

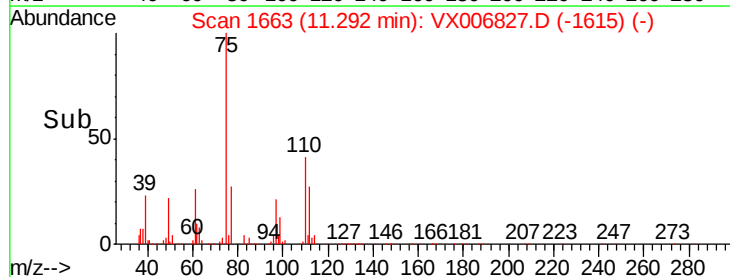
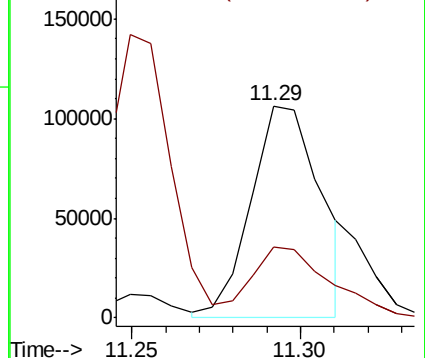
75 100

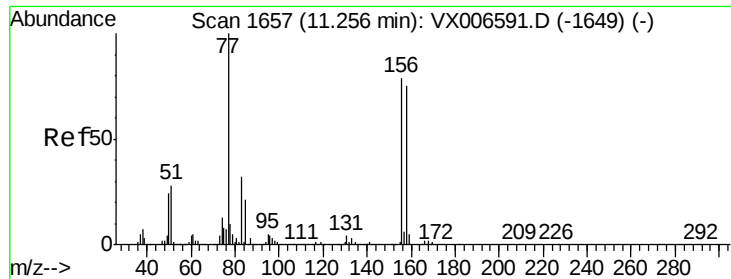
77 38.3 18.5 55.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.524 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

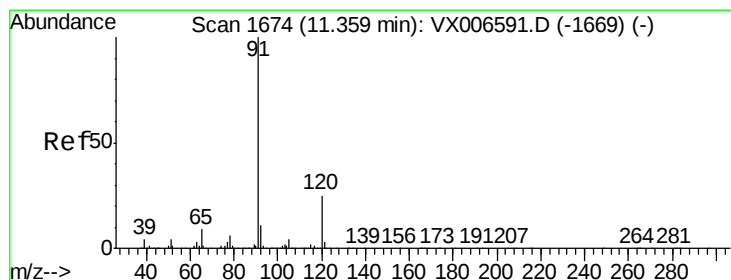
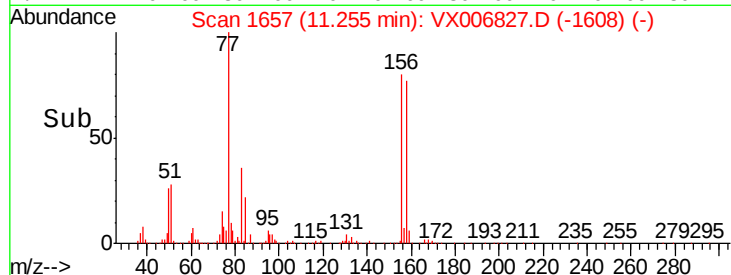
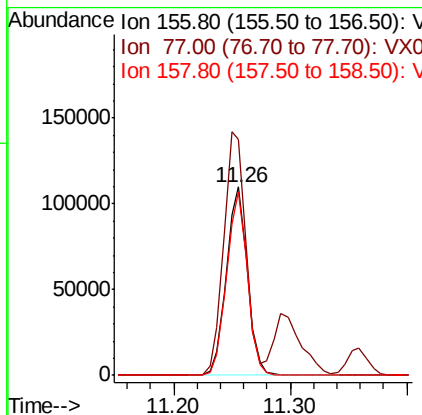
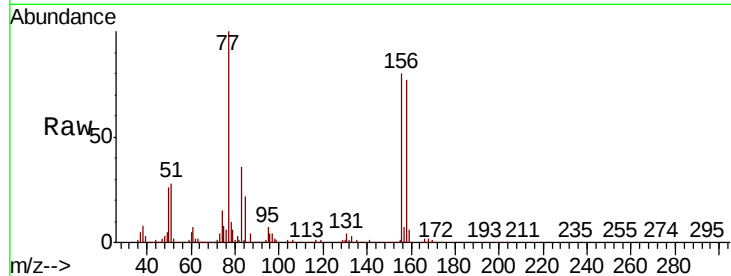
ClientSampleId :

VX1226MBSD01

Tot Ion:	156	Resp:	137266
Ion Ratio	Lower	Upper	
156	100		
77	134.2	68.0	204.0
158	95.8	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 18.418 ug/l

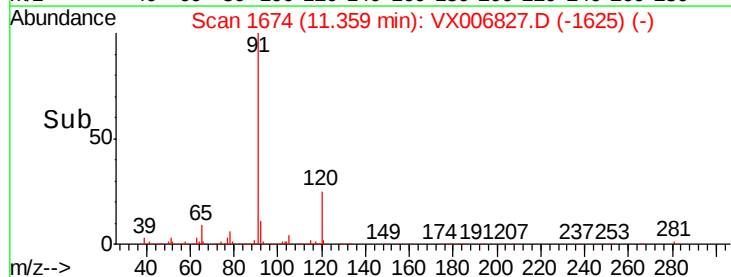
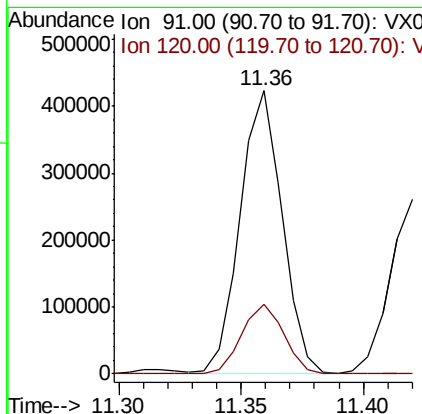
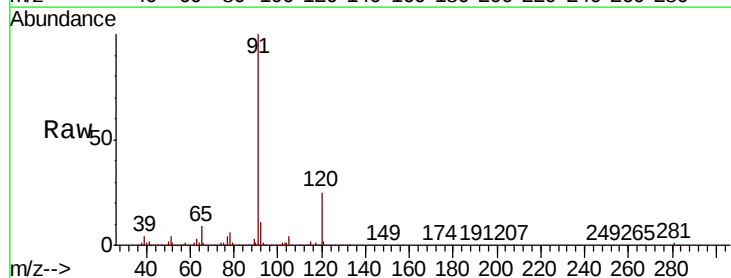
RT: 11.36 min Scan# 1674

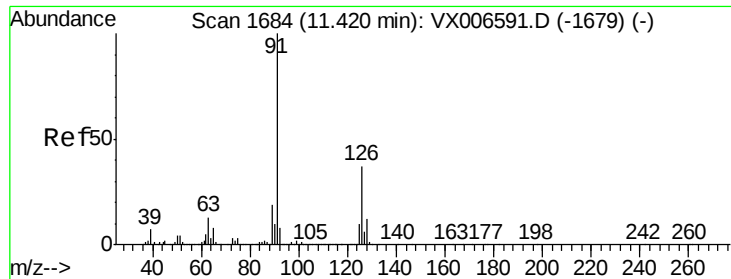
Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion:	91	Resp:	501724
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.7	38.0





#79

2-Chlorotoluene

Concen: 18.671 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

VX1226MBSD01

Tot Ion: 91 Resp: 308225

Ion Ratio Lower Upper

91 100

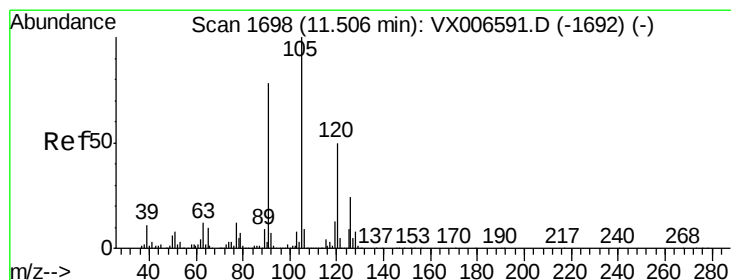
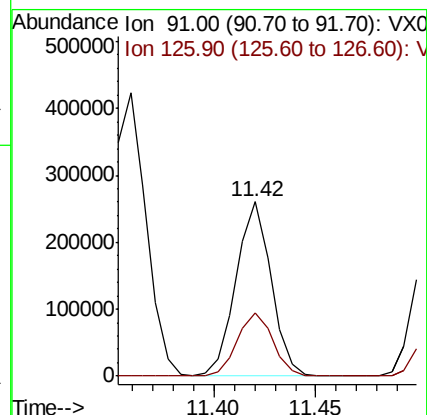
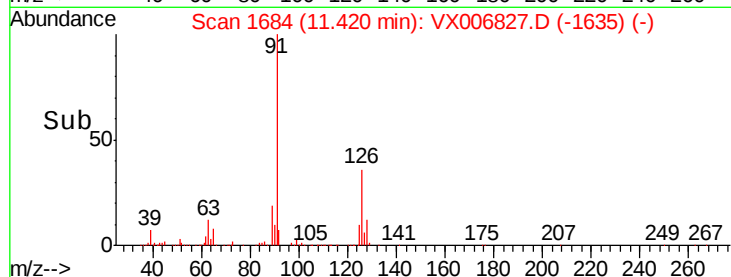
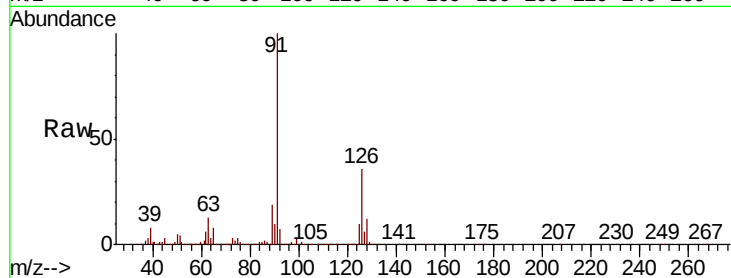
126 37.3 18.6 56.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.114 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006827.D

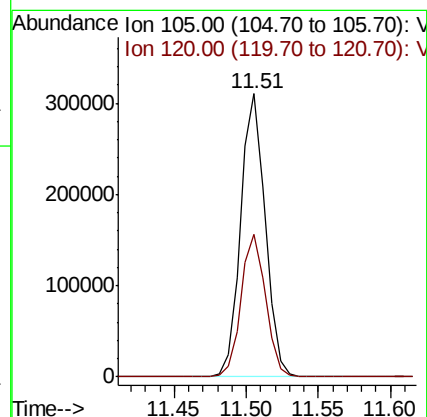
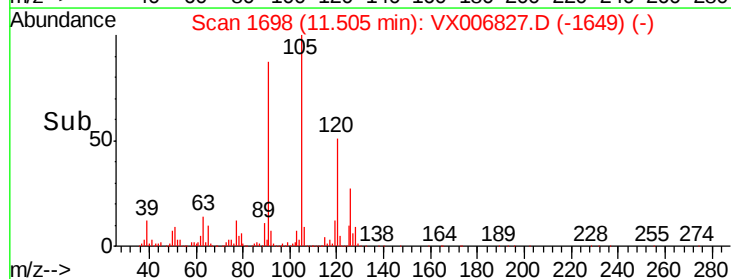
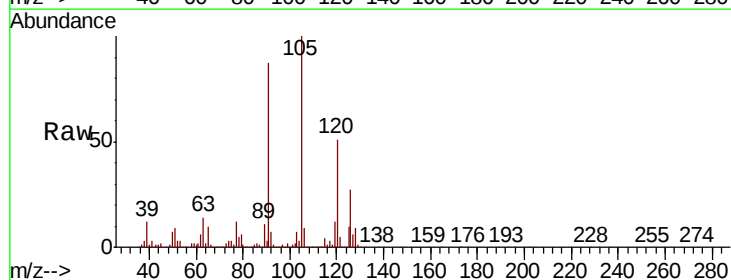
Acq: 26 Dec 2018 19:08

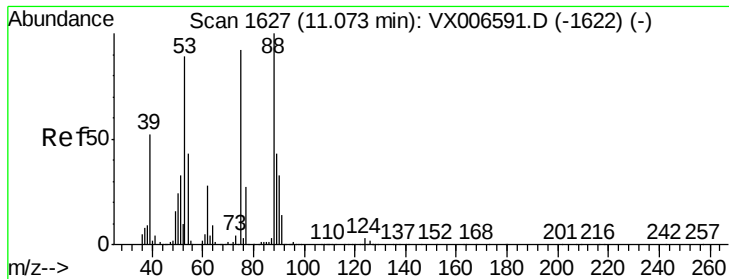
Tgt Ion: 105 Resp: 369090

Ion Ratio Lower Upper

105 100

120 50.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.124 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

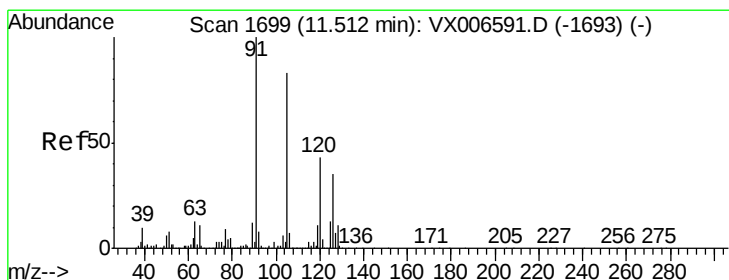
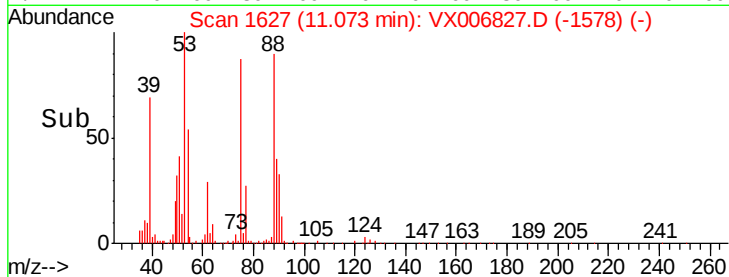
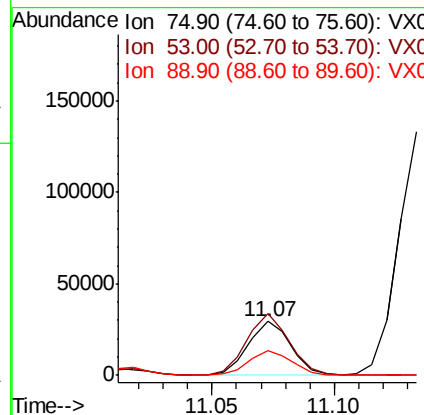
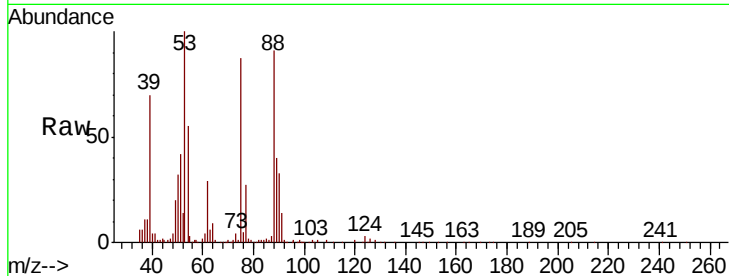
ClientSampleId :

VX1226MBSD01

Tot Ion:	75	Resp:	35924
Ion	Ratio	Lower	Upper
75	100		
53	113.7	79.7	119.5
89	47.0	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.012 ug/l

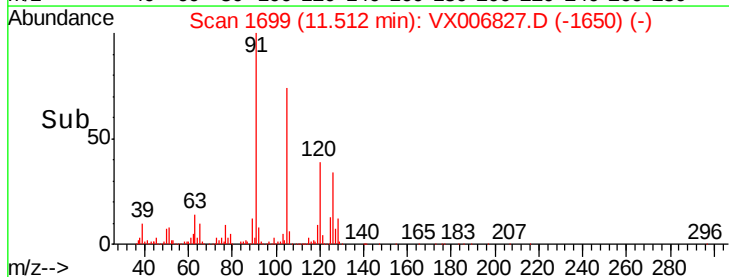
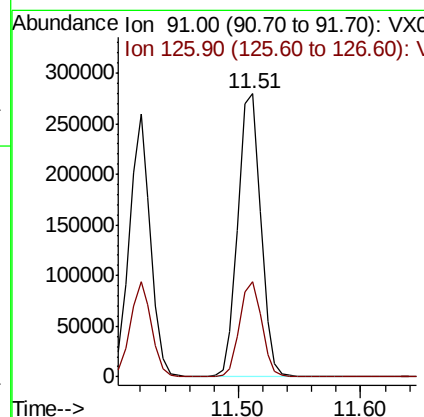
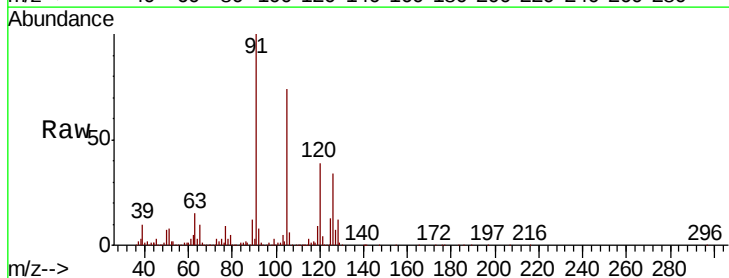
RT: 11.51 min Scan# 1699

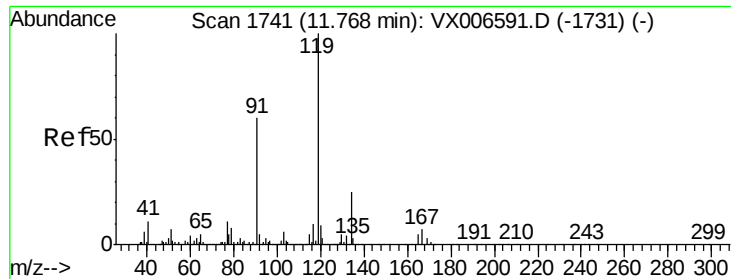
Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion:	91	Resp:	360019
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.3	48.9





#83

tert-Butylbenzene

Concen: 17.990 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

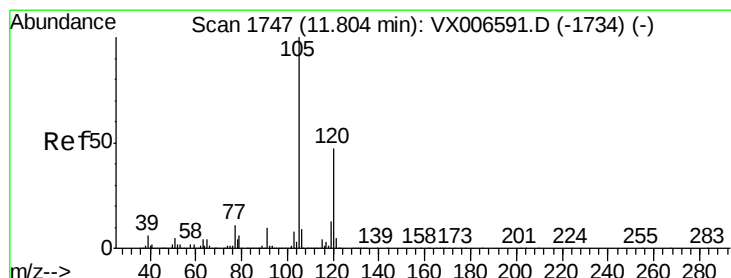
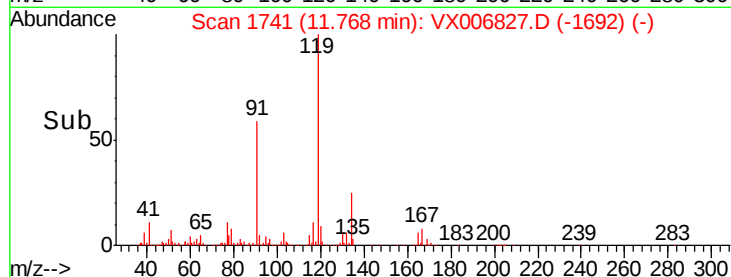
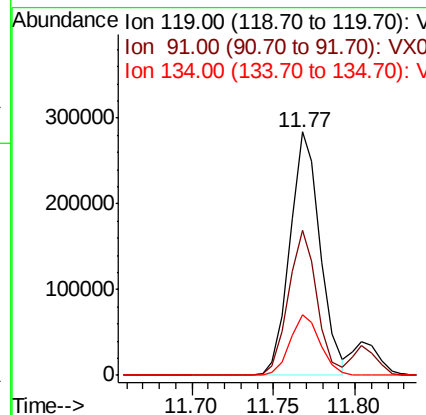
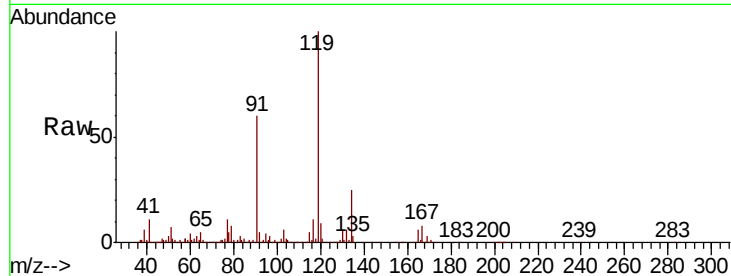
ClientSampleId :

VX1226MBSD01

Tot Ion:	119	Resp:	366867
Ion Ratio	Lower	Upper	
119	100		
91	56.7	27.7	83.1
134	25.0	11.9	35.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 17.801 ug/l

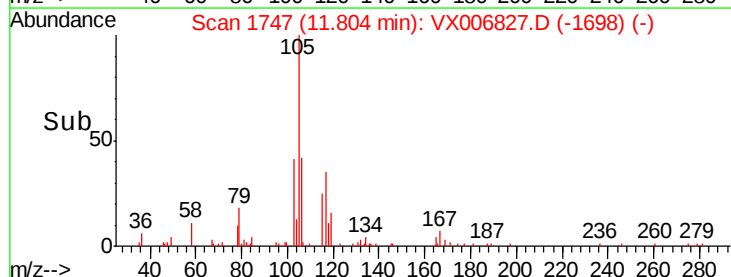
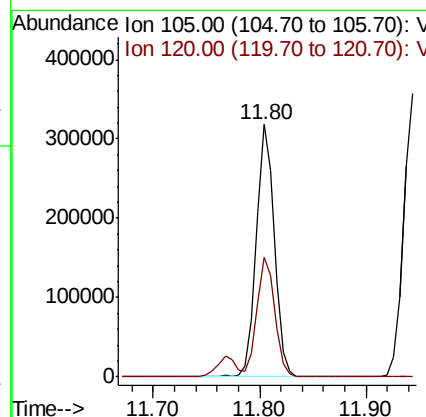
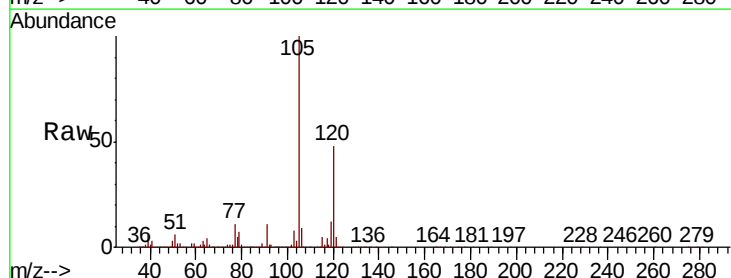
RT: 11.80 min Scan# 1747

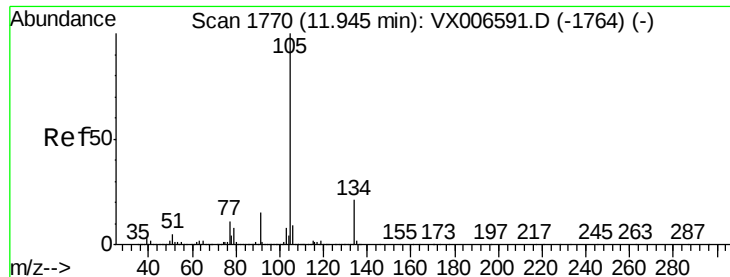
Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion:	105	Resp:	381508
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.2	69.6





#85

sec-Butylbenzene

Concen: 17.397 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

ClientSampleId :

VX1226MBSD01

Tot Ion:105 Resp: 434960

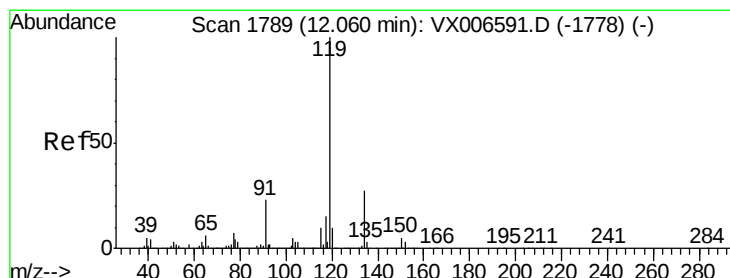
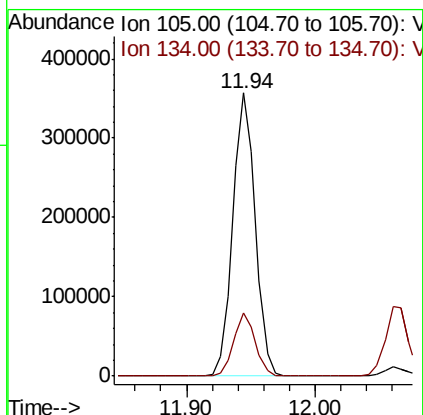
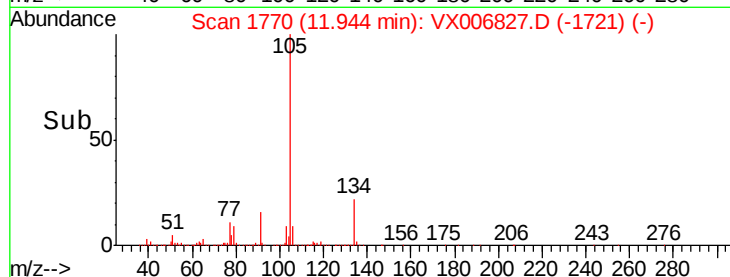
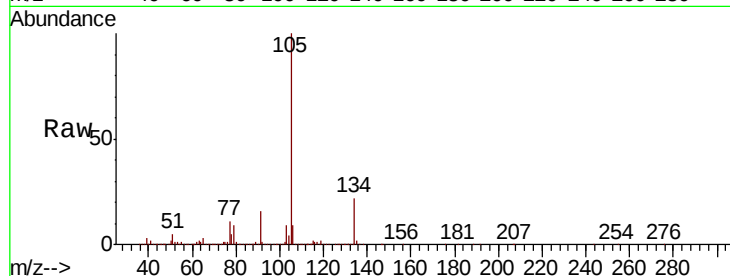
Ion Ratio Lower Upper

105 100

134 21.7 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 17.694 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

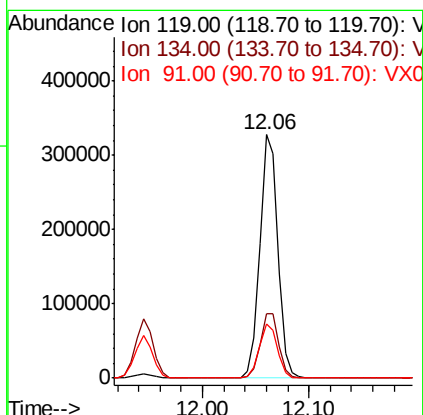
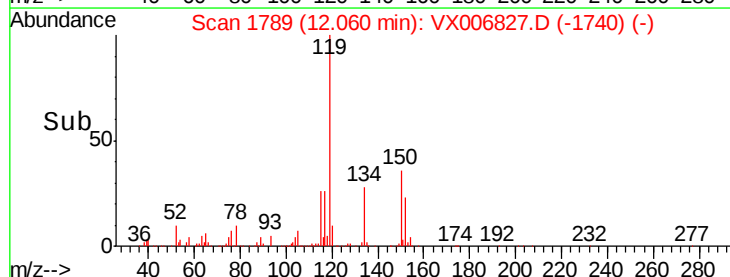
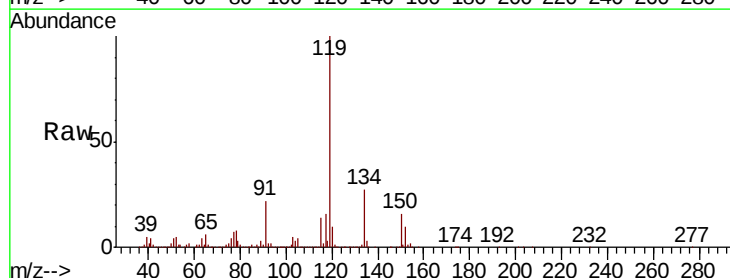
Tgt Ion:119 Resp: 388880

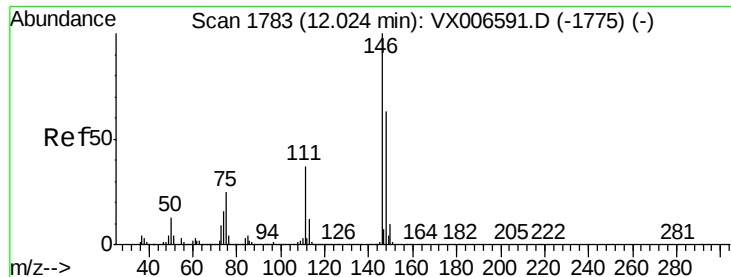
Ion Ratio Lower Upper

119 100

134 27.4 14.0 41.9

91 22.5 11.3 33.9





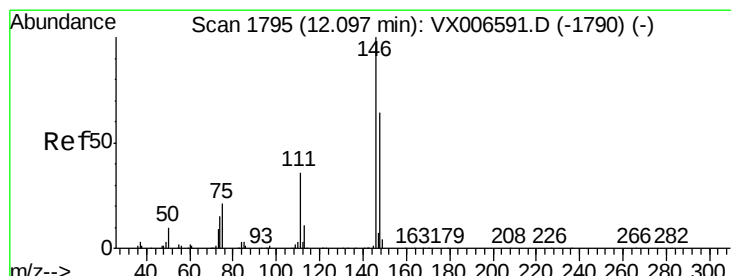
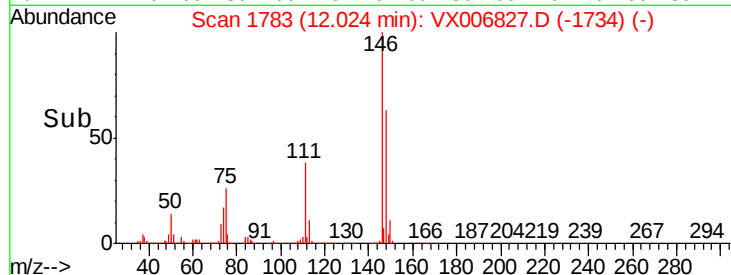
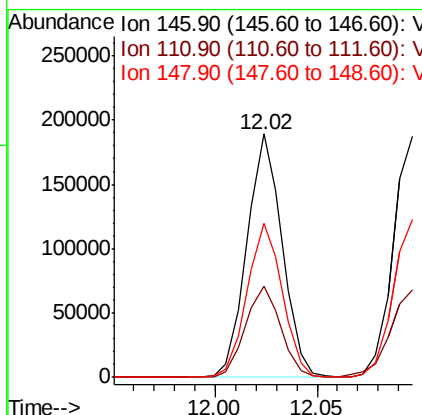
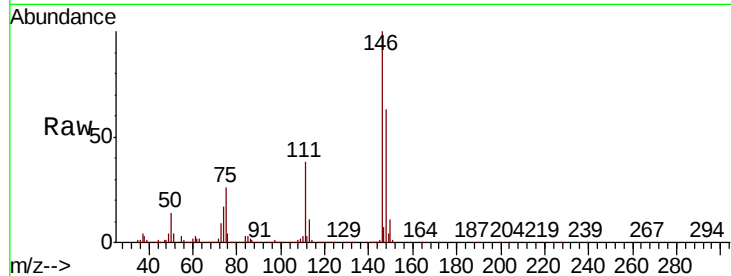
#87
 1,3-Dichlorobenzene
 Concen: 18.879 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	63.4	31.8	95.3

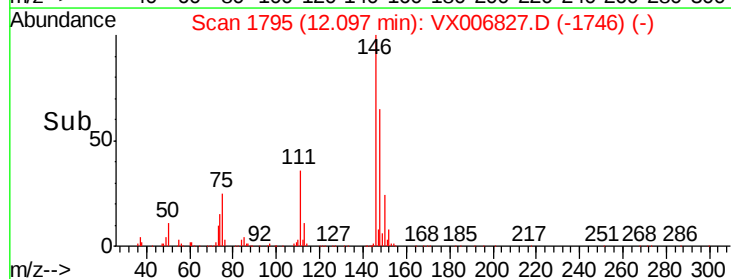
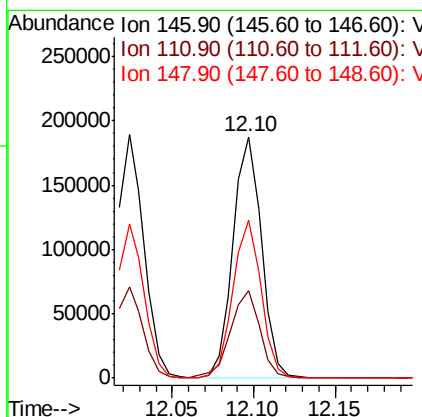
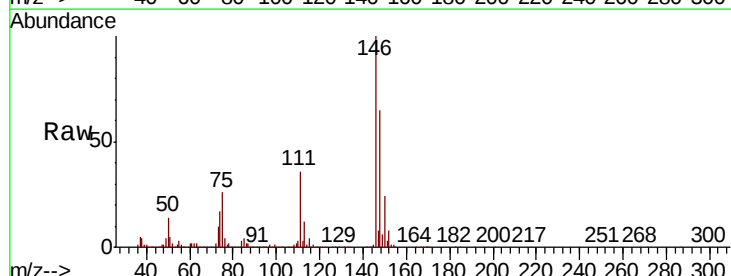
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 18.481 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	64.7	31.9	95.9





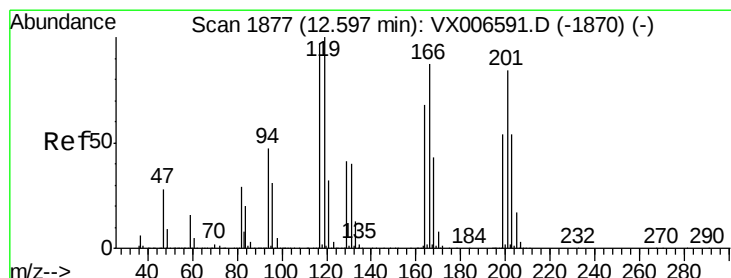
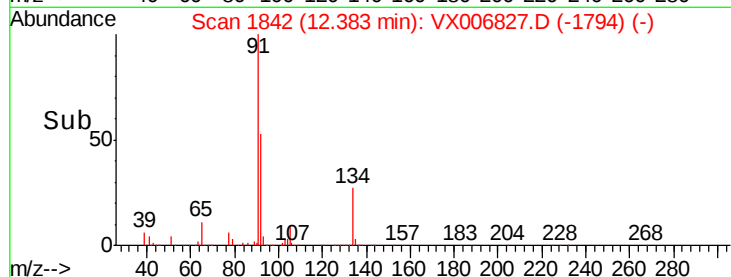
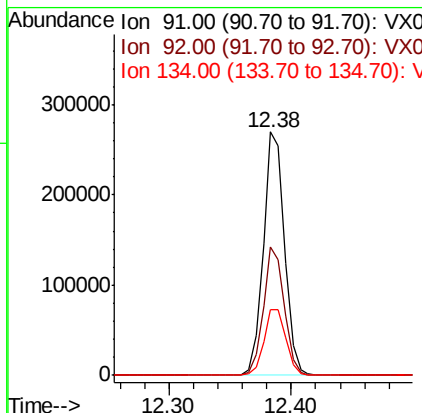
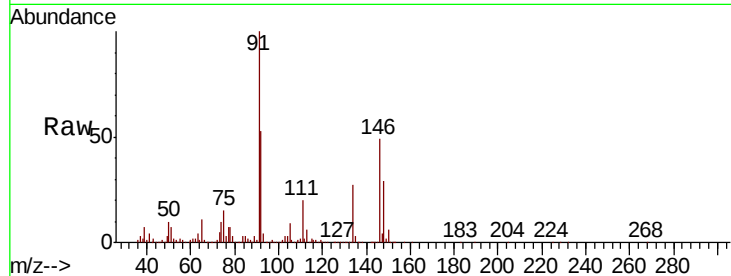
#89
n-Butylbenzene
Concen: 17.388 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Instrument :
MSVOA_X
ClientSampleId :
VX1226MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.8	80.4
134	28.2	14.4	43.2

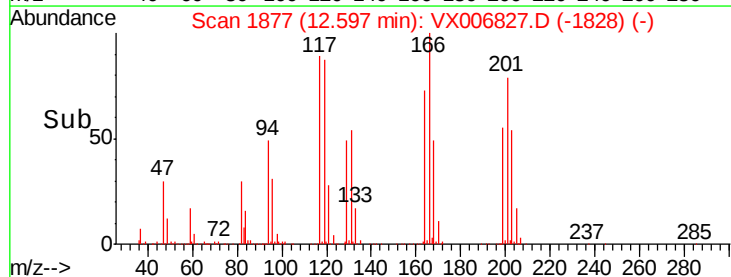
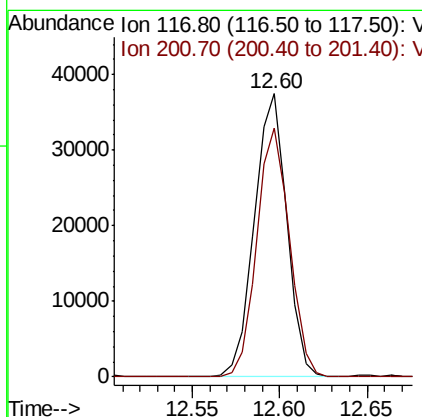
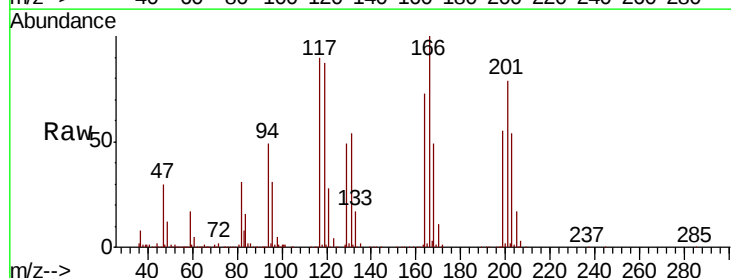
Manual Integrations
APPROVED

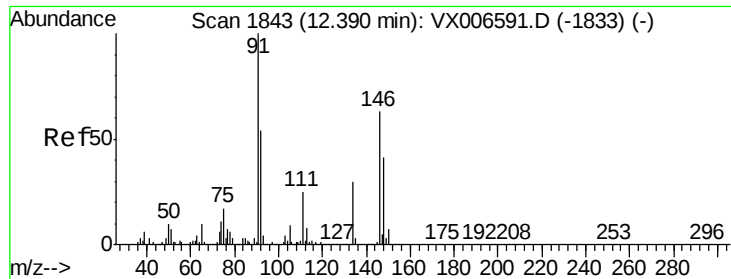
MMDadoda
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#90
Hexachloroethane
Concen: 16.530 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006827.D
Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	42.9	128.7





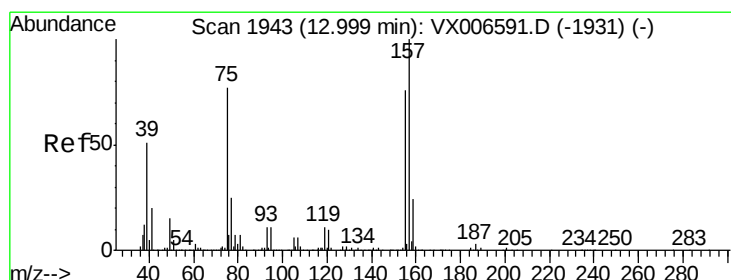
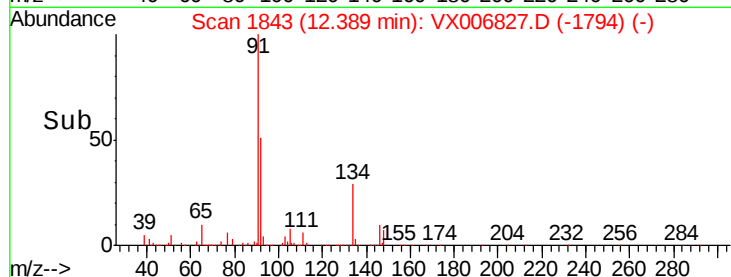
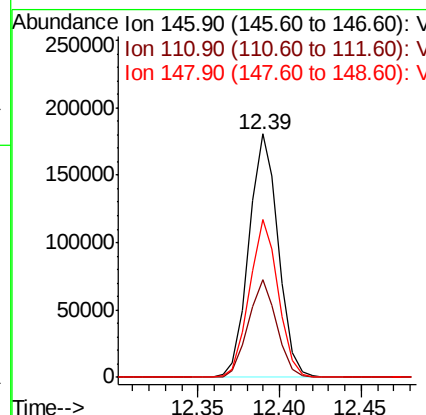
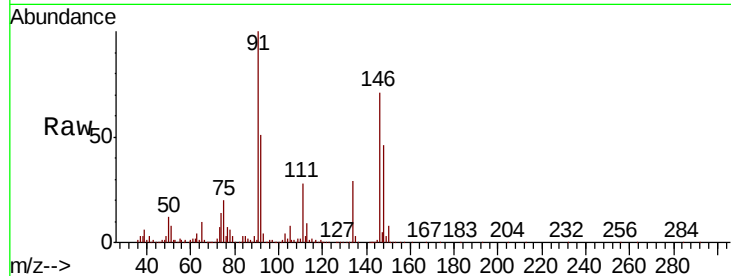
#91
 1,2-Dichlorobenzene
 Concen: 18.734 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	63.9	32.3	96.9

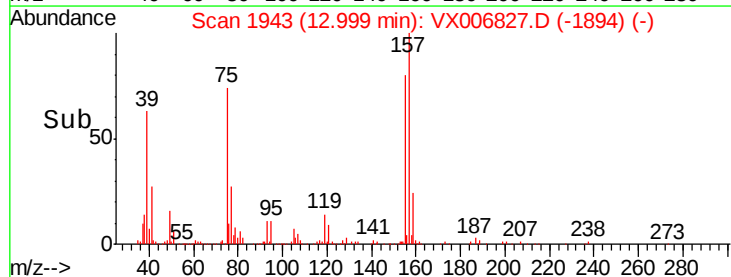
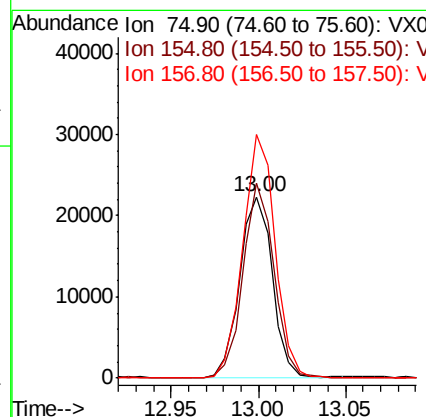
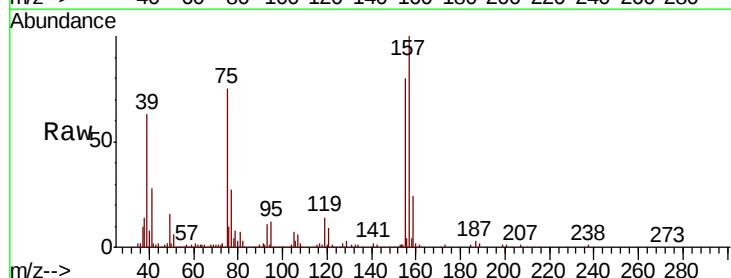
Manual Integrations
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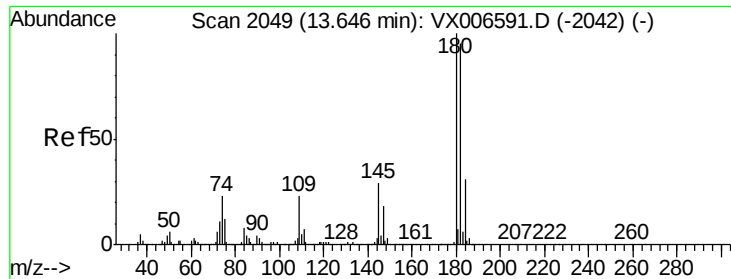
MMDadoda
 12/27/2018 9:40:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.139 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	50.6	151.8
157	132.1	64.6	193.8





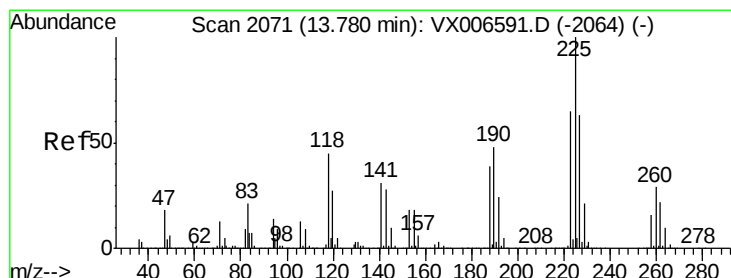
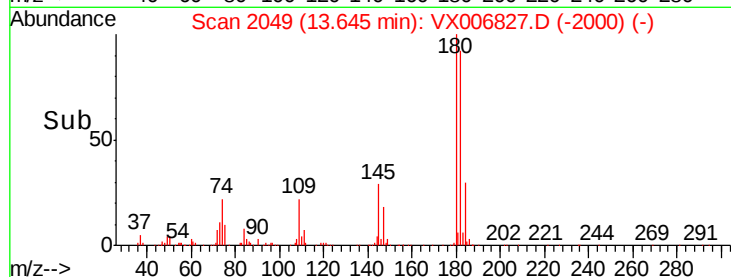
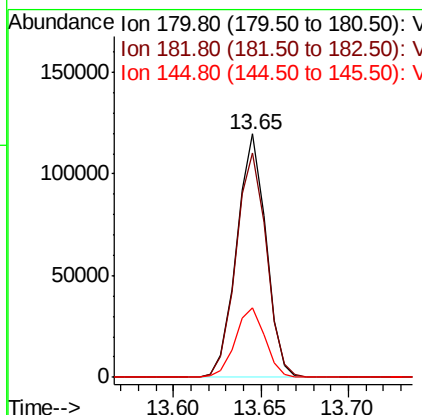
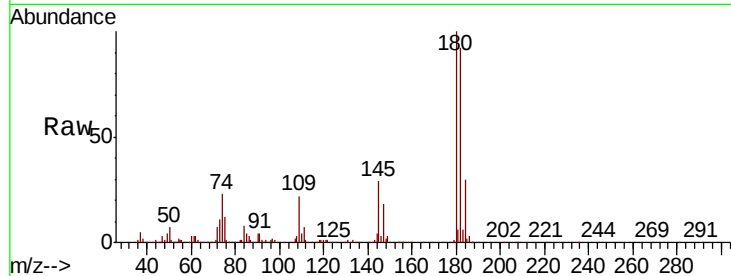
#93
 1,2,4-Trichlorobenzene
 Concen: 16.809 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1226MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139803		
182	95.7	47.3	142.0	
145	29.4	14.8	44.3	

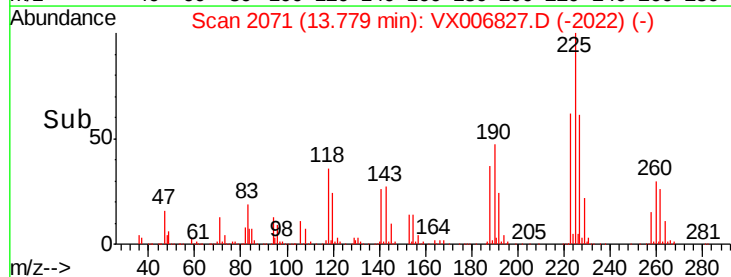
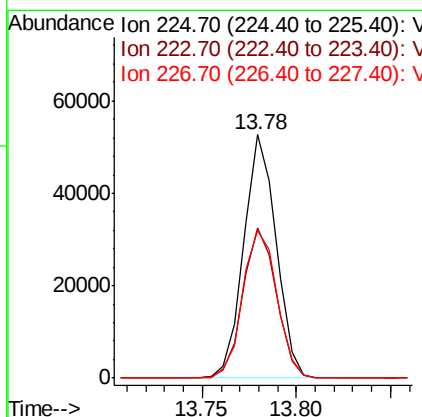
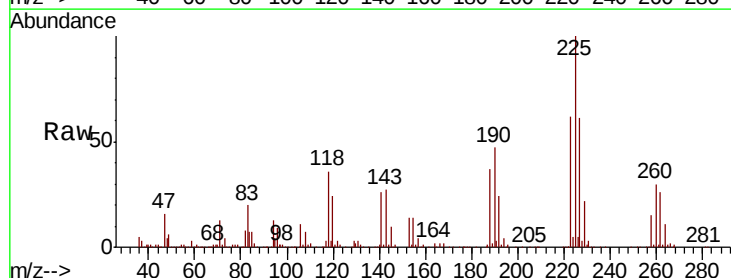
Manual Integrations
 APPROVED

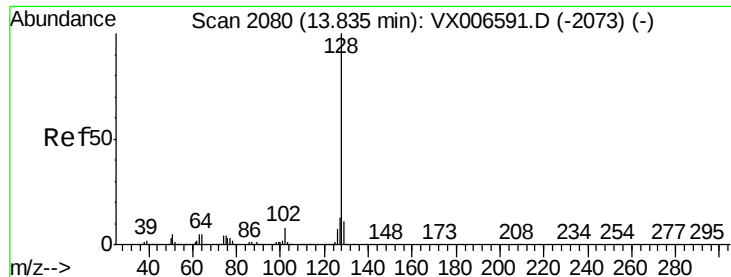
MMDadoda
 12/27/2018 9:40:37 AM



#94
 Hexachlorobutadiene
 Concen: 16.043 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX006827.D
 Acq: 26 Dec 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62893		
223	63.9	32.1	96.3	
227	64.4	32.3	96.8	





#95

Naphthalene

Concen: 16.271 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Instrument :

MSVOA_X

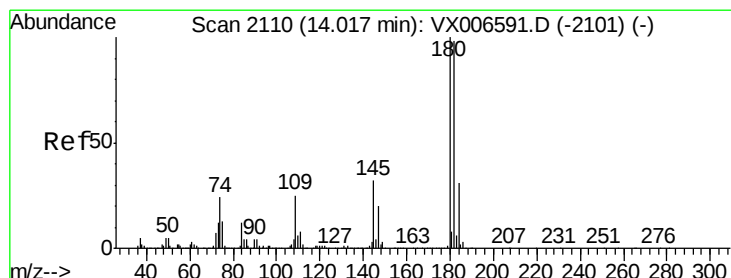
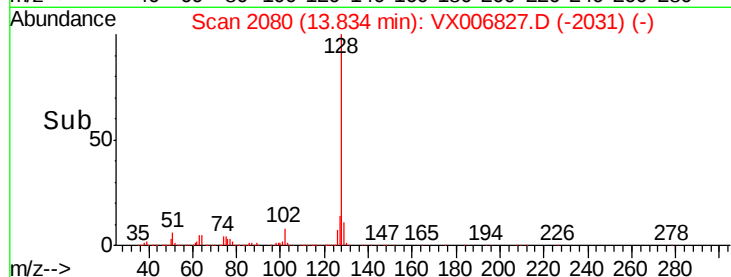
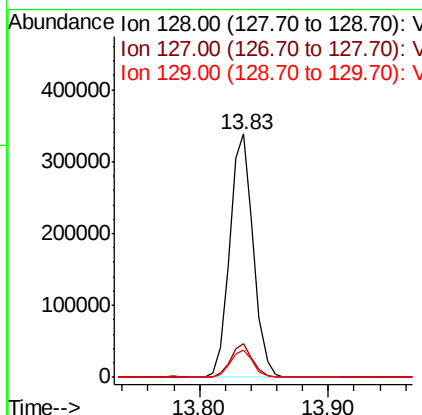
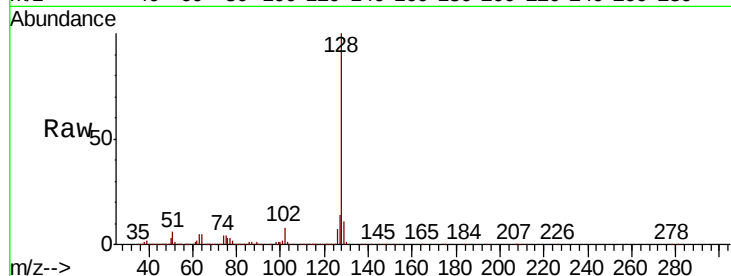
ClientSampleId :

VX1226MBSD01

Tot Ion:	128	Resp:	431926
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/27/2018 9:40:37 AM



#96

1,2,3-Trichlorobenzene

Concen: 15.919 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX006827.D

Acq: 26 Dec 2018 19:08

Tgt Ion:	180	Resp:	136701
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.5	145.5
145	31.2	16.0	47.9

