

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX111418\
 Data File : VX005983.D
 Acq On : 14 Nov 2018 19:15
 Operator : JC/MD
 Sample : J5934-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:05:27 PM

Quant Time: Nov 15 01:33:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	111022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	164800	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	150344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	81109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	68151	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
35) Dibromofluoromethane	5.50	113	55651	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	8.71	98	201141	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
62) 4-Bromofluorobenzene	11.14	95	75761	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	48204	48.16	ug/l	97
3) Chloromethane	1.32	50	69449	52.87	ug/l	93
4) Vinyl Chloride	1.41	62	75640	57.36	ug/l	100
5) Bromomethane	1.64	94	36983	45.82	ug/l	98
6) Chloroethane	1.71	64	42332	53.80	ug/l	99
7) Trichlorofluoromethane	1.93	101	89258	50.99	ug/l	95
8) Diethyl Ether	2.19	74	38897	56.71	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	50386	50.05	ug/l	99
10) Methyl Iodide	2.51	142	64837	53.14	ug/l	99
11) Tert butyl alcohol	3.07	59	98129	268.39	ug/l	98
12) 1,1-Dichloroethene	2.37	96	51824	52.81	ug/l	97
13) Acrolein	2.29	56	60488	339.53	ug/l	96
14) Allyl chloride	2.72	41	112298	51.24	ug/l	98
15) Acrylonitrile	3.15	53	207293	273.57	ug/l	99
16) Acetone	2.45	43	190096	276.62	ug/l	98
17) Carbon Disulfide	2.57	76	148307	50.67	ug/l	100
18) Methyl Acetate	2.78	43	99903	54.38	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	202260	60.39	ug/l	92
20) Methylene Chloride	2.85	84	60030	53.18	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	58959	56.96	ug/l	85
22) Diisopropyl ether	3.87	45	206002	53.66	ug/l	# 85
23) Vinyl Acetate	3.82	43	781548	237.42	ug/l	100
24) 1,1-Dichloroethane	3.70	63	116042	56.65	ug/l	99
25) 2-Butanone	4.70	43	295847	273.83	ug/l	98
26) 2,2-Dichloropropane	4.58	77	47846	31.84	ug/l	94
27) cis-1,2-Dichloroethene	4.59	96	79443	69.51	ug/l	98
28) Bromochloromethane	5.01	49	56089	61.27	ug/l	98
29) Tetrahydrofuran	5.15	42	191175	275.59	ug/l	99
30) Chloroform	5.21	83	109325	55.32	ug/l	86
31) Cyclohexane	5.58	56	89037	50.08	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	87866	53.31	ug/l	99
36) 1,1-Dichloropropene	5.81	75	74563	46.93	ug/l	98
37) Ethyl Acetate	4.85	43	92562	44.31	ug/l	99
38) Carbon Tetrachloride	5.78	117	75817	47.67	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	77602	48.19	ug/l	99
40) Benzene	6.15	78	232556	50.21	ug/l	100
41) Methacrylonitrile	5.06	41	58778	52.07	ug/l	98
42) 1,2-Dichloroethane	6.20	62	82778	49.90	ug/l	99
43) Isopropyl Acetate	6.45	43	144111	47.60	ug/l	96
44) Trichloroethene	7.21	130	58049	49.35	ug/l	98
45) 1,2-Dichloropropane	7.52	63	60375	53.71	ug/l	99
46) Dibromomethane	7.66	93	37940	53.78	ug/l	99
47) Bromodichloromethane	7.90	83	74618	55.97	ug/l	99
48) Methyl methacrylate	7.77	41	78233	57.55	ug/l	99
49) 1,4-Dioxane	7.75	88	31443	1073.47	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	522187	273.70	ug/l	99
52) Toluene	8.79	92	135996	52.54	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	76147	48.40	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	81599	50.89	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	57147	49.54	ug/l	98
56) Ethyl methacrylate	9.18	69	93789	54.34	ug/l	97
57) 1,3-Dichloropropane	9.37	76	96489	49.77	ug/l	99
59) 2-Hexanone	9.49	43	411350	244.60	ug/l	98
60) Dibromochloromethane	9.59	129	60818	48.78	ug/l	100
61) 1,2-Dibromoethane	9.67	107	59897	46.95	ug/l	99
64) Tetrachloroethene	9.34	164	51403	40.16	ug/l	98
65) Chlorobenzene	10.14	112	154156	51.18	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	57710	55.11	ug/l	99
67) Ethyl Benzene	10.25	91	264441	54.75	ug/l	99
68) m/p-Xylenes	10.36	106	203577	110.51	ug/l	100
69) o-Xylene	10.70	106	98061	59.36	ug/l	99
70) Styrene	10.71	104	164108	60.22	ug/l	100
71) Bromoform	10.86	173	50279	57.28	ug/l #	99
73) Isopropylbenzene	11.02	105	268071	57.15	ug/l	100
74) N-amyl acetate	10.90	43	117510	44.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	96752	56.20	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	89319m	54.08	ug/l	
77) Bromobenzene	11.26	156	70955	53.67	ug/l	99
78) n-propylbenzene	11.36	91	305656	55.29	ug/l	99
79) 2-Chlorotoluene	11.42	91	184807	55.31	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	226079	56.72	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	23457	45.27	ug/l	95
82) 4-Chlorotoluene	11.51	91	216326	54.94	ug/l	100
83) tert-Butylbenzene	11.77	119	230657	57.20	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	233018	52.98	ug/l	99
85) sec-Butylbenzene	11.94	105	266365	54.02	ug/l	100
86) p-Isopropyltoluene	12.07	119	237683	54.42	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	129002	50.84	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	131017	50.44	ug/l	99
89) n-Butylbenzene	12.39	91	203021	50.15	ug/l	100
90) Hexachloroethane	12.60	117	41506	56.92	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	131991	51.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23577	56.12	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	96922	54.17	ug/l	100

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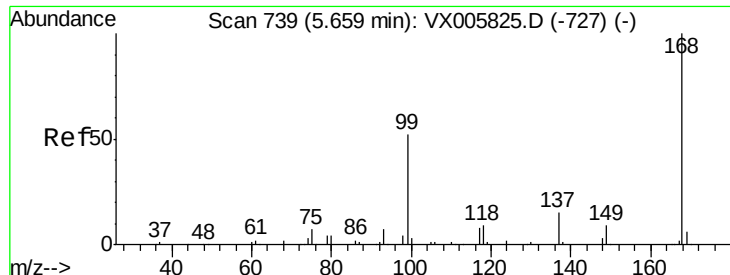
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	42792	45.53	ug/l	98
95) Naphthalene	13.83	128	316328	54.11	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	100327	55.04	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

Tgt Ion:168 Resp: 111022

Ion Ratio Lower Upper

168 100

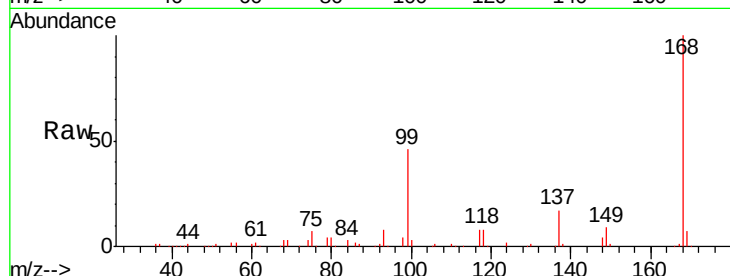
99 46.3 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

20000

10000

0

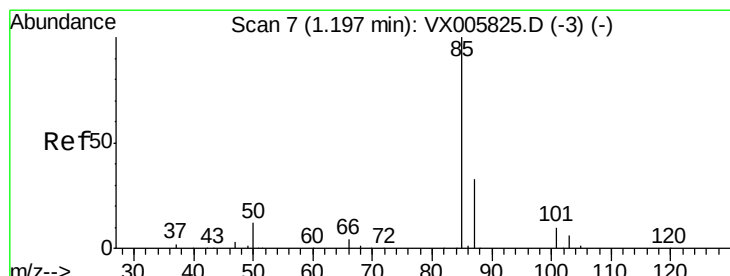
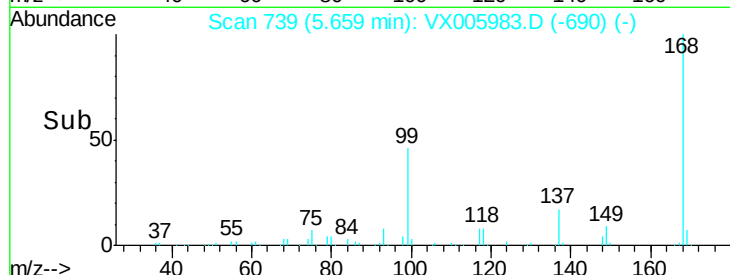
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.16 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005983.D

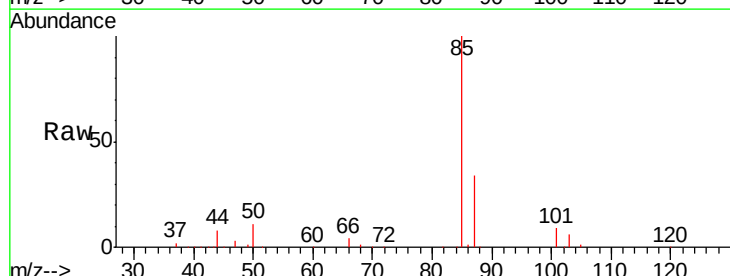
Acq: 14 Nov 2018 19:15

Tgt Ion: 85 Resp: 48204

Ion Ratio Lower Upper

85 100

87 34.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

20000

10000

0

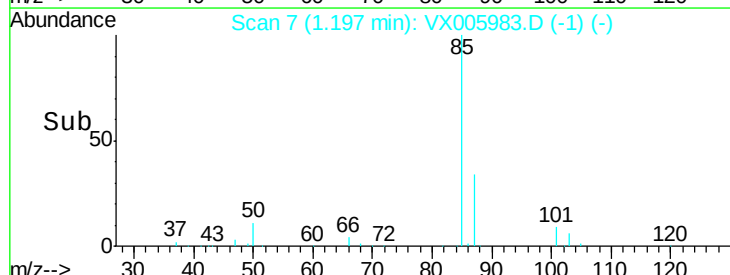
1.15

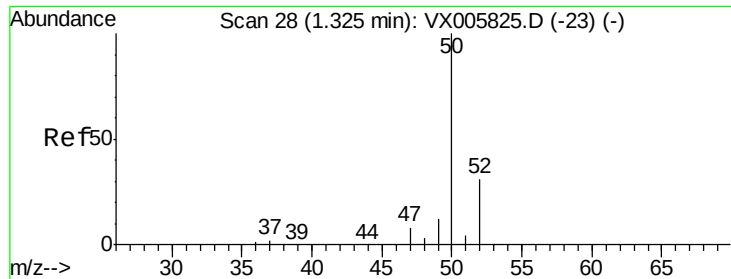
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 52.87 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

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ClientSampleId :

S36-0144MSD

Tgt Ion: 50 Resp: 69449

Ion Ratio Lower Upper

50 100

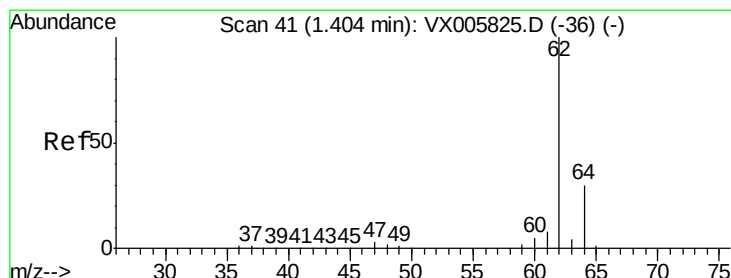
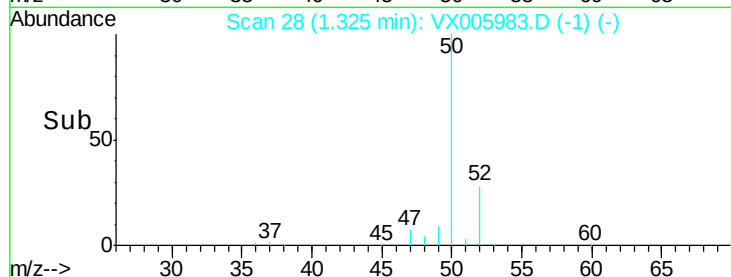
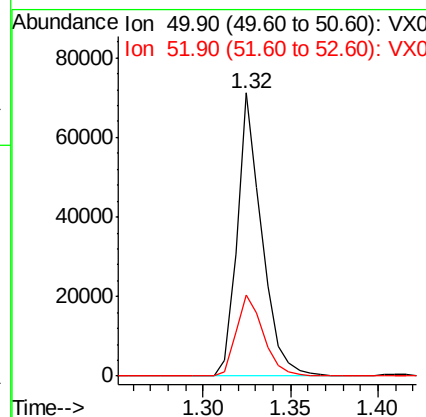
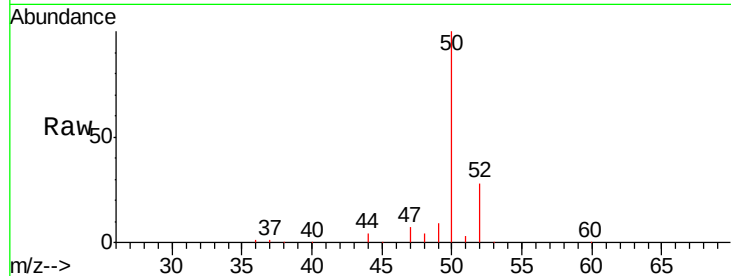
52 28.5 26.2 39.2

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#4

Vinyl Chloride

Concen: 57.36 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005983.D

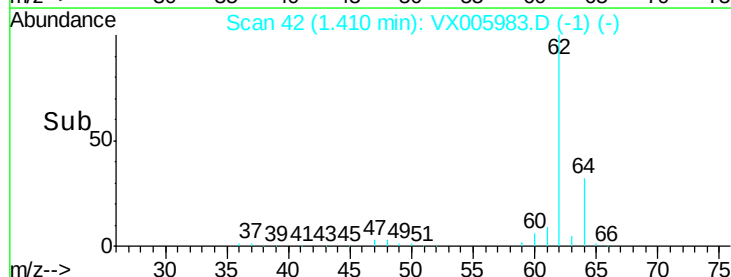
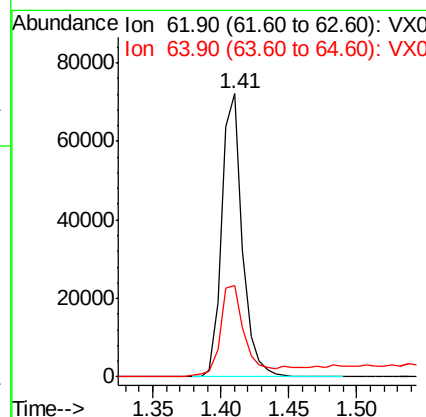
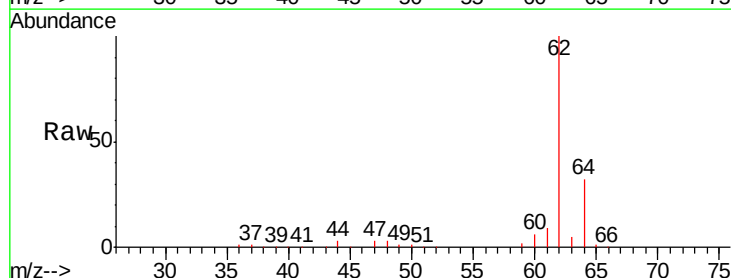
Acq: 14 Nov 2018 19:15

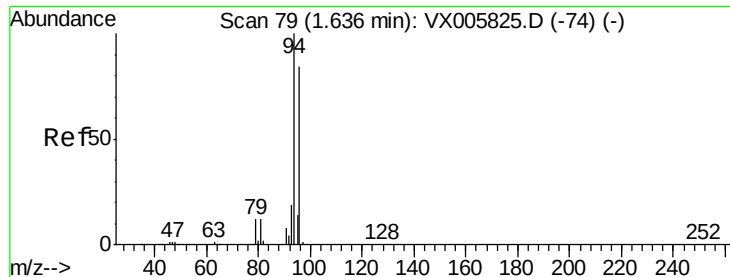
Tgt Ion: 62 Resp: 75640

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#5

Bromomethane

Concen: 45.82 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

Tgt Ion: 94 Resp: 36983

Ion Ratio Lower Upper

94 100

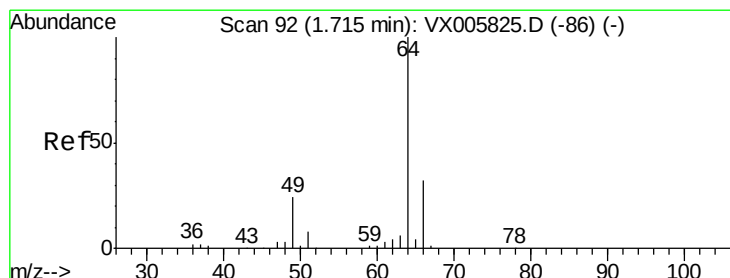
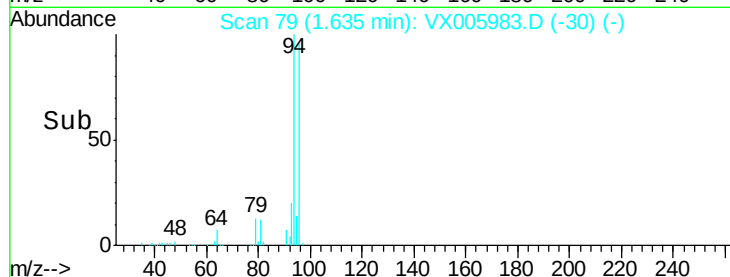
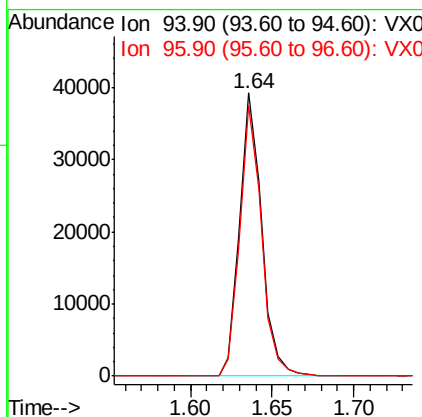
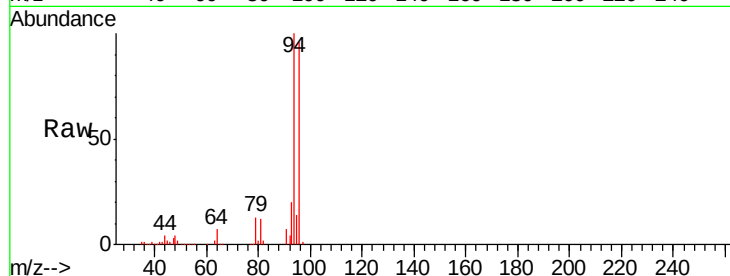
96 95.7 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 53.80 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005983.D

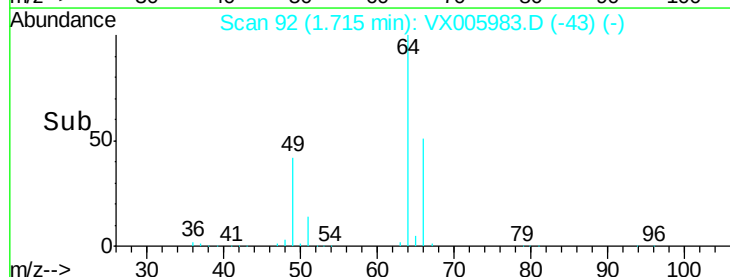
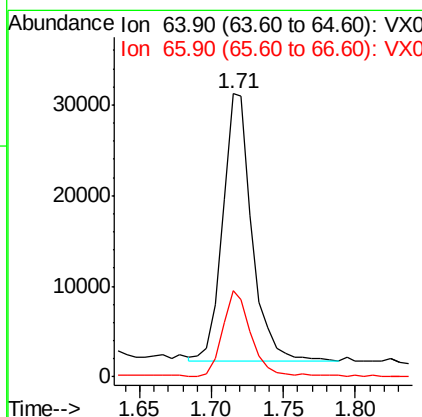
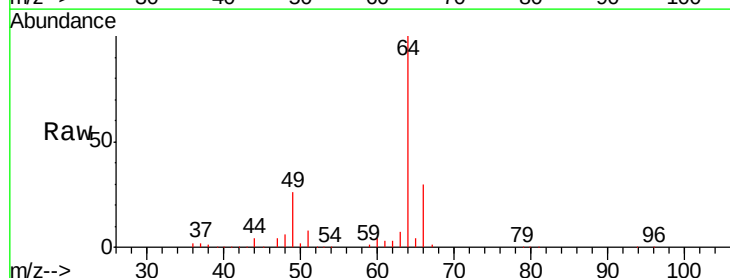
Acq: 14 Nov 2018 19:15

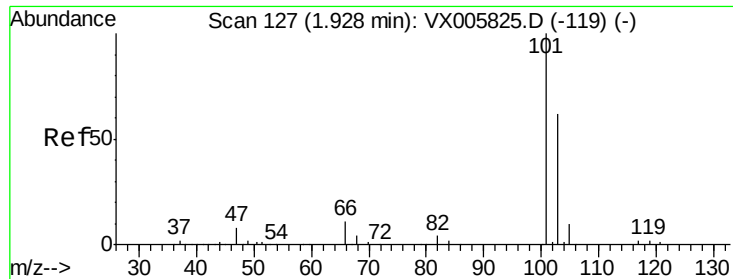
Tgt Ion: 64 Resp: 42332

Ion Ratio Lower Upper

64 100

66 31.8 25.8 38.6





#7

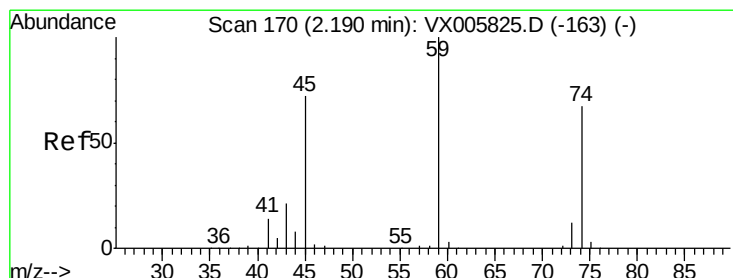
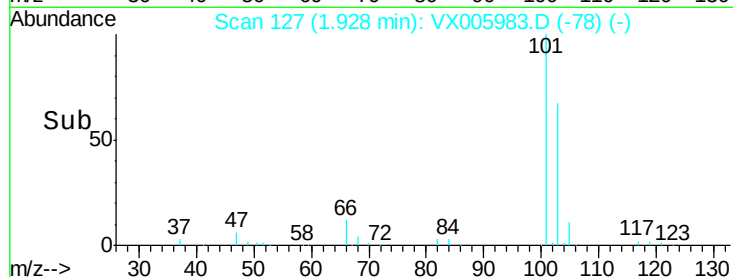
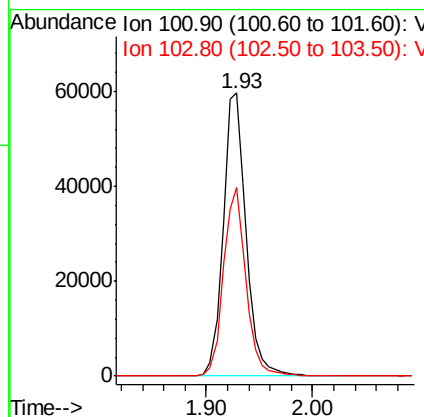
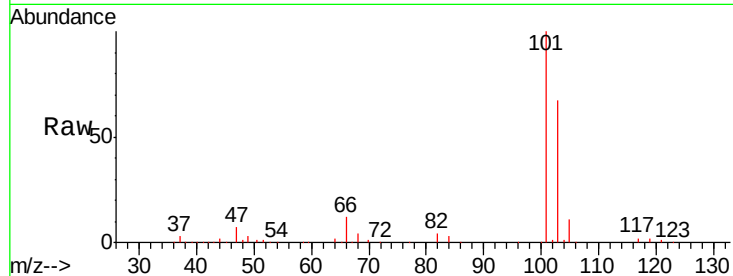
Trichlorofluoromethane
Concen: 50.99 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion: 101 Resp: 89258
Ion Ratio Lower Upper
101 100
103 66.7 50.0 75.0

Manual Integrations
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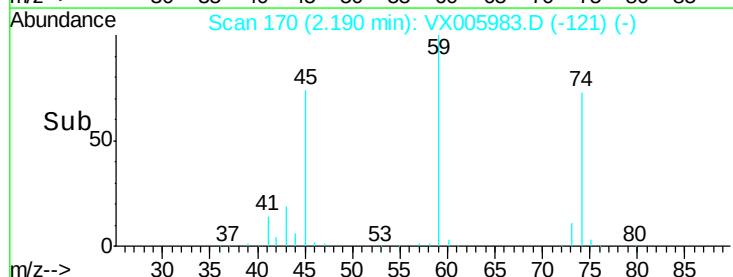
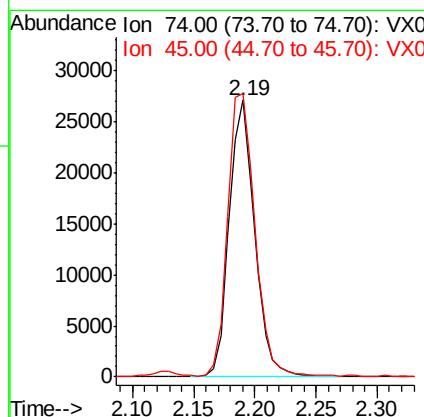
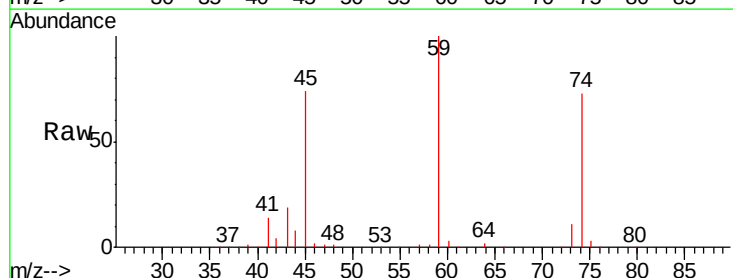
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11/15/2018 1:05:27 PM

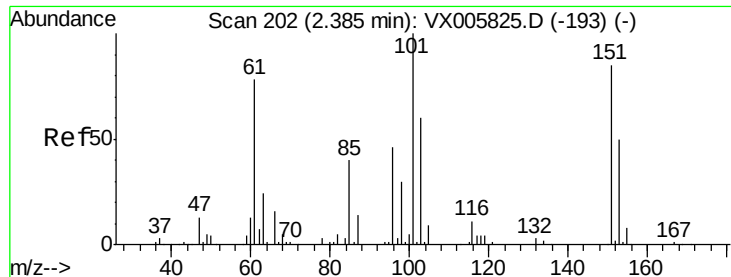


#8

Diethyl Ether
Concen: 56.71 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 74 Resp: 38897
Ion Ratio Lower Upper
74 100
45 108.7 54.1 162.3





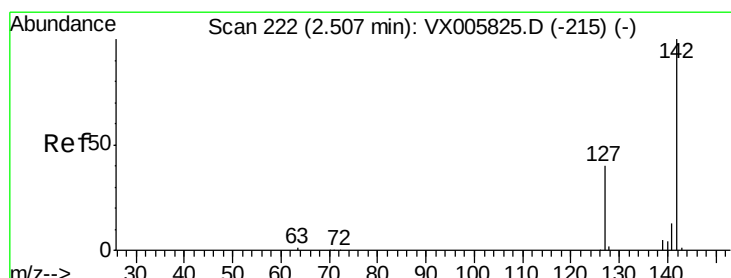
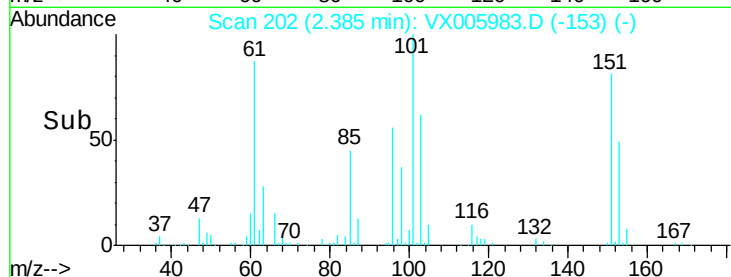
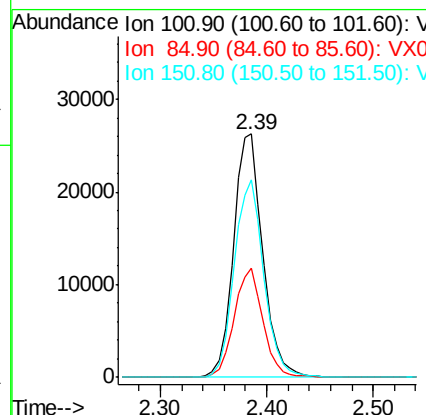
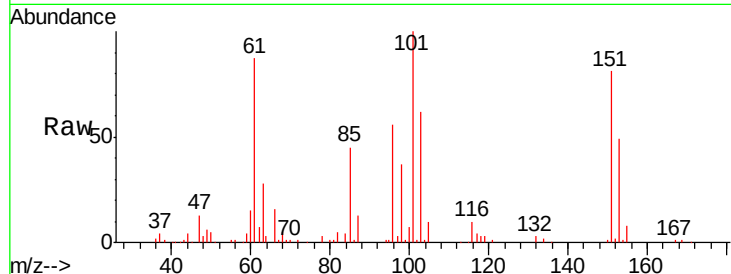
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.05 ug/l
RT: 2.39 min Scan# 202
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	50386		
85	44.1	35.0	52.4	
151	82.3	66.2	99.2	

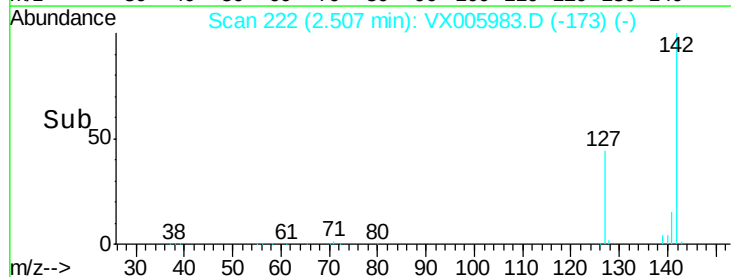
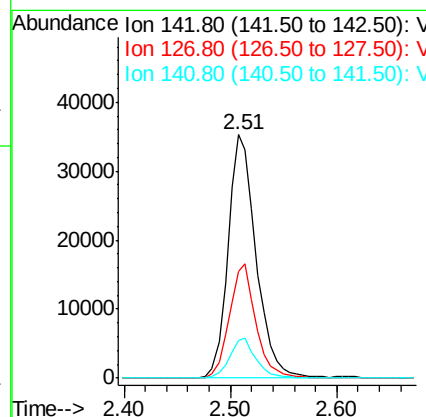
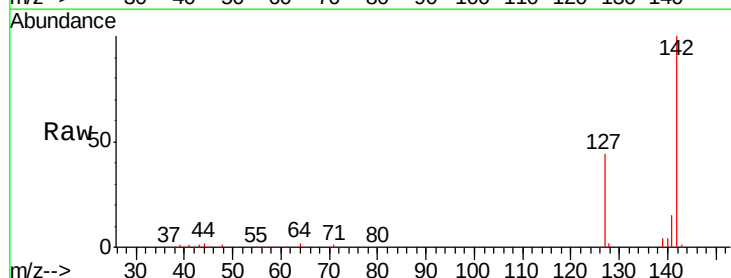
Manual Integrations
APPROVED

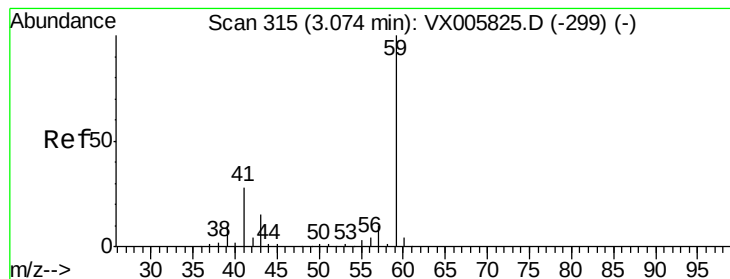
MMDadoda
11/15/2018 1:05:27 PM



#10
Methyl Iodide
Concen: 53.14 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	64837		
127	44.6	36.0	54.0	
141	15.2	11.7	17.5	





#11

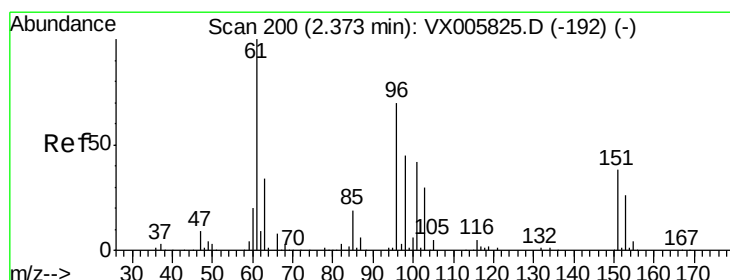
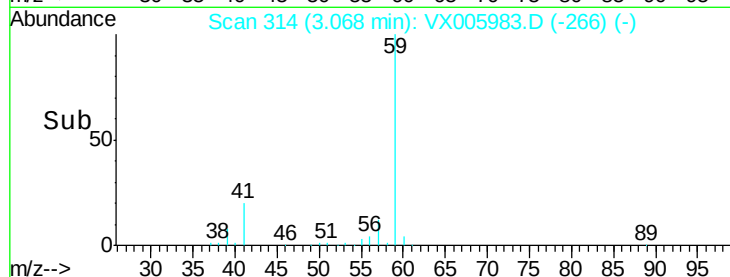
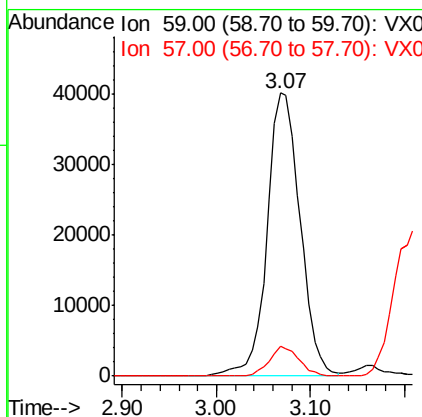
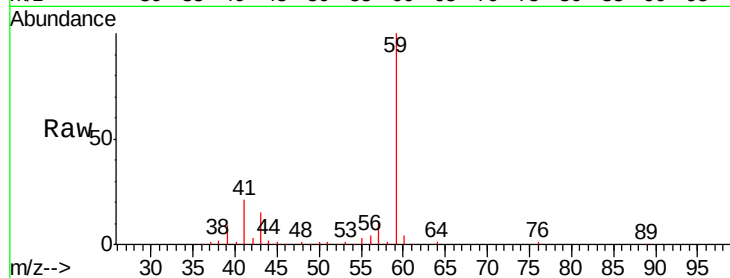
Tert butyl alcohol
 Concen: 268.39 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.5	12.7

Manual Integrations
 APPROVED

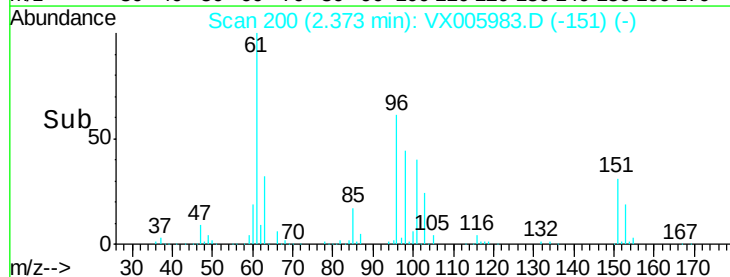
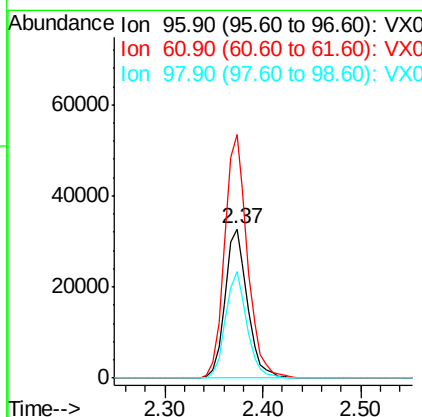
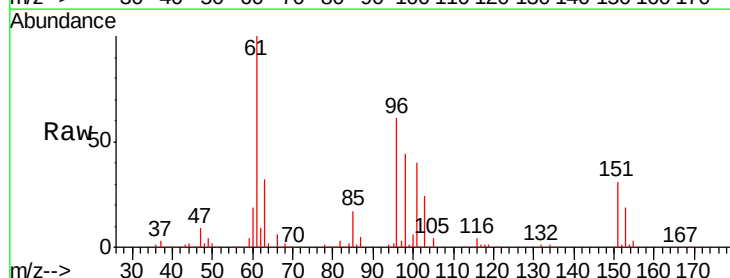
MMDadoda
 11/15/2018 1:05:27 PM

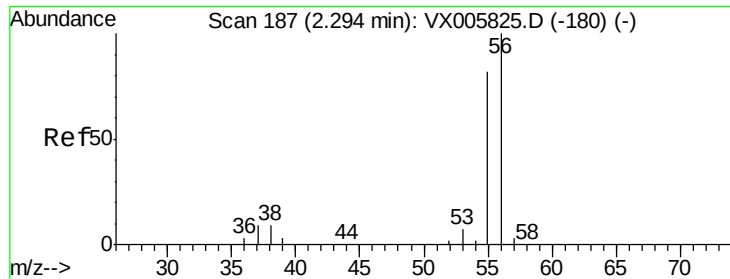


#12

1,1-Dichloroethene
 Concen: 52.81 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.0	131.8	197.8
98	71.5	53.4	80.2





#13

Acrolein

Concen: 339.53 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

Tgt Ion: 56 Resp: 60488

Ion Ratio Lower Upper

56 100

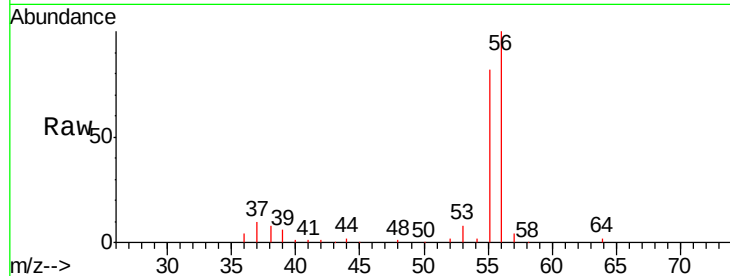
55 74.7 57.3 85.9

Manual Integrations

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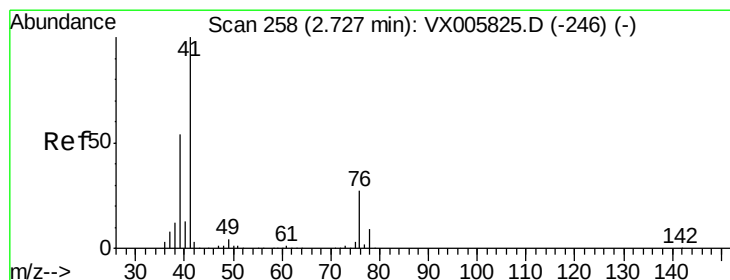
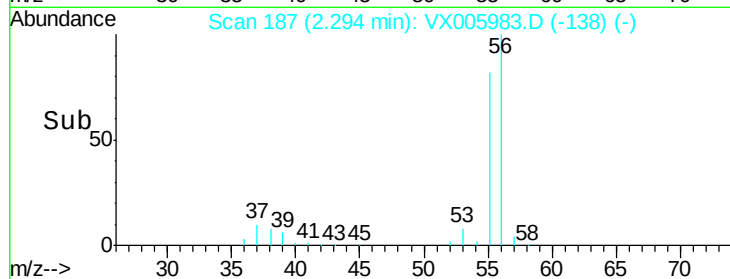
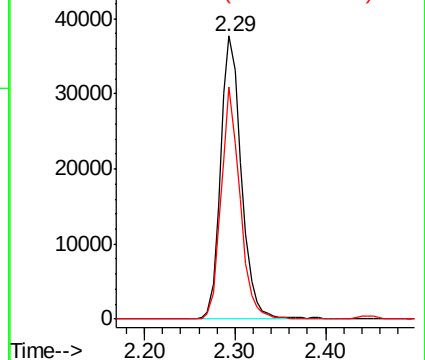
MMDadoda

11/15/2018 1:05:27 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 51.24 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

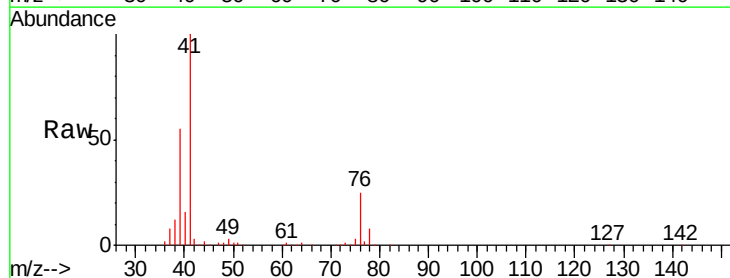
Tgt Ion: 41 Resp: 112298

Ion Ratio Lower Upper

41 100

39 57.9 48.2 72.4

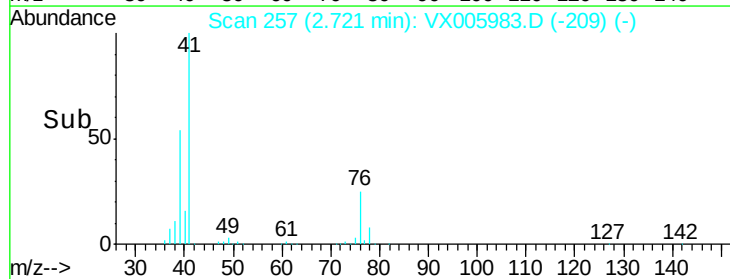
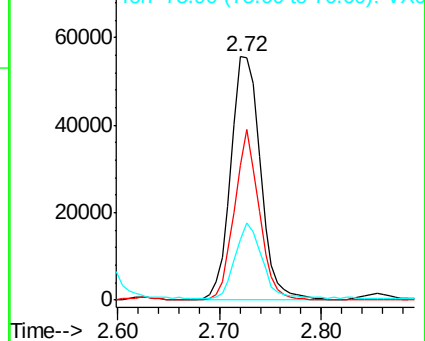
76 27.5 21.9 32.9

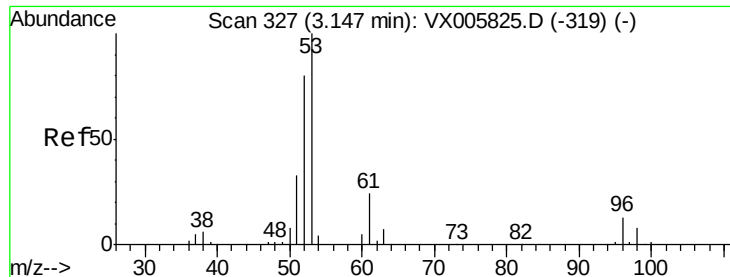


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 273.57 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

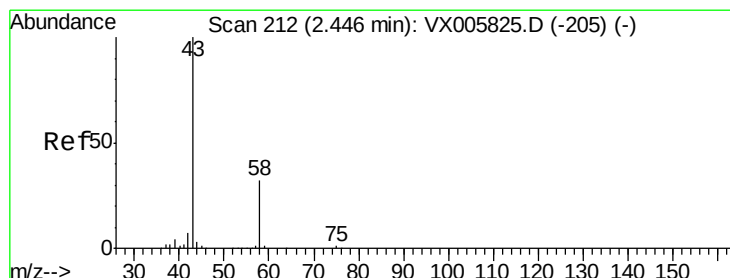
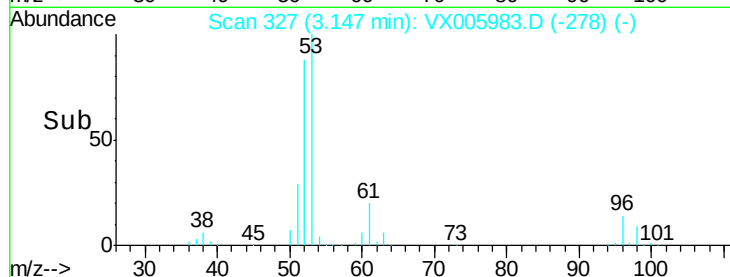
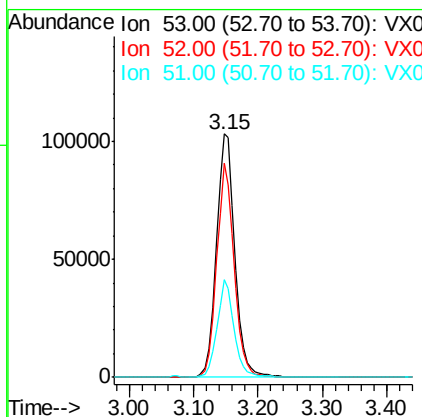
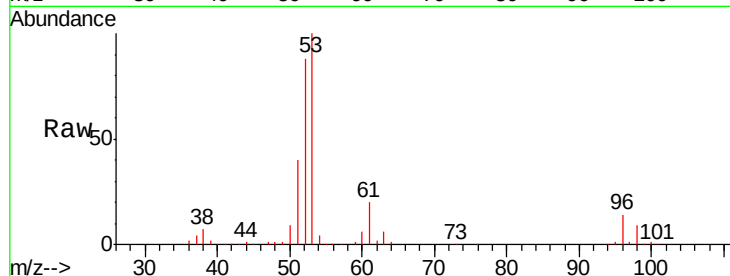
ClientSampleId :

S36-0144MSD

Tgt Ion:	53	Resp:	207293
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.6	99.8
51	37.6	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 276.62 ug/l

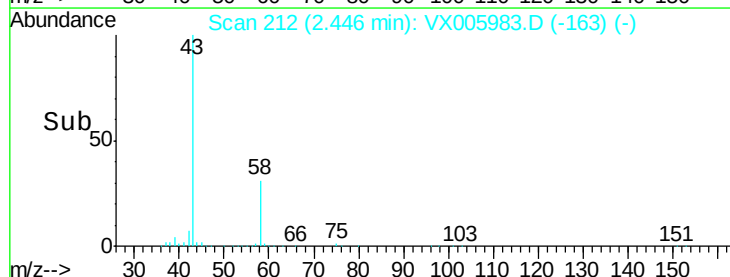
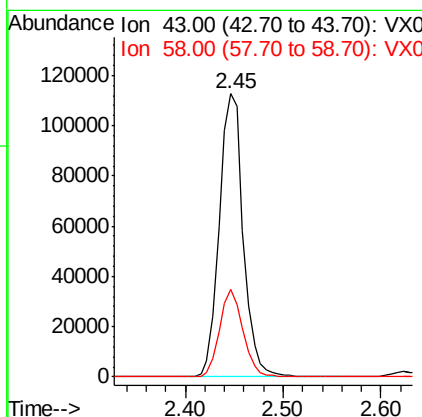
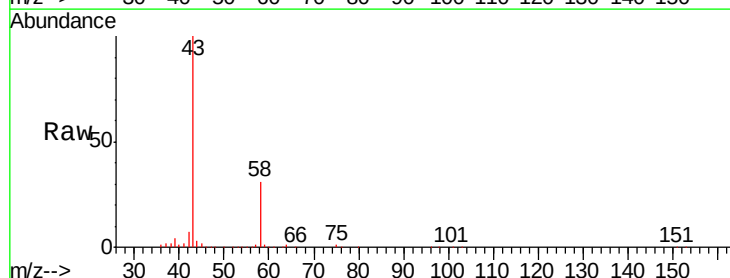
RT: 2.45 min Scan# 212

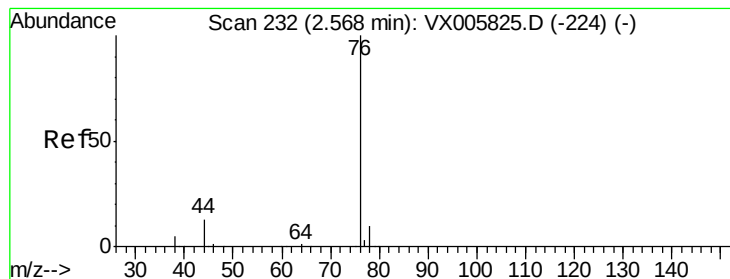
Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Tgt Ion:	43	Resp:	190096
Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.8	35.6





#17

Carbon Disulfide

Concen: 50.67 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

Tgt Ion: 76 Resp: 148307

Ion Ratio Lower Upper

76 100

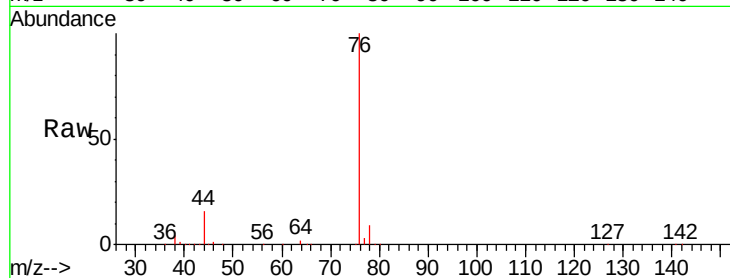
78 9.2 7.3 10.9

Manual Integrations

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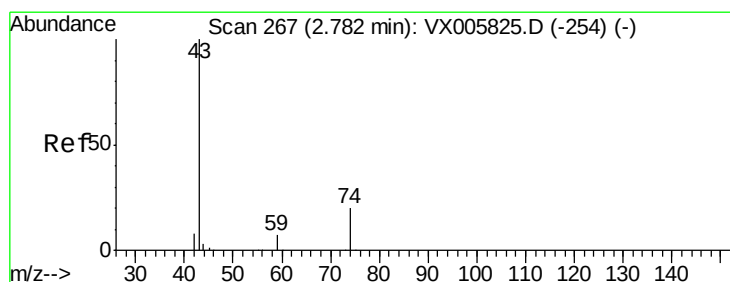
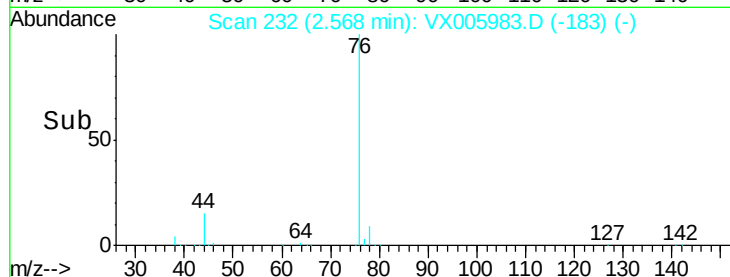
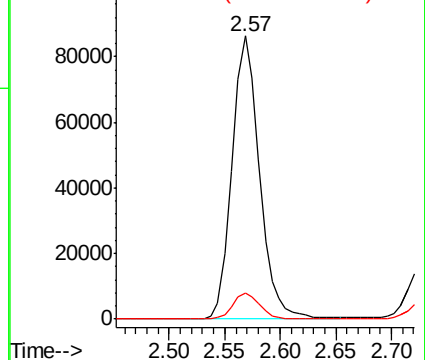
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 54.38 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005983.D

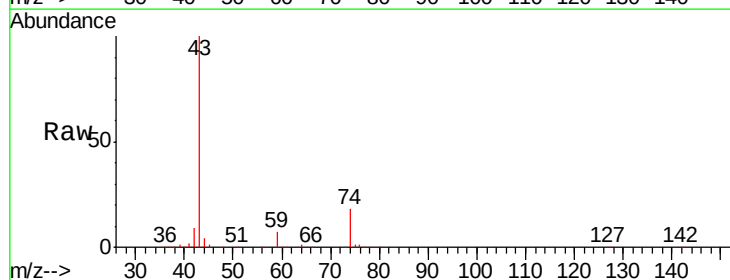
Acq: 14 Nov 2018 19:15

Tgt Ion: 43 Resp: 99903

Ion Ratio Lower Upper

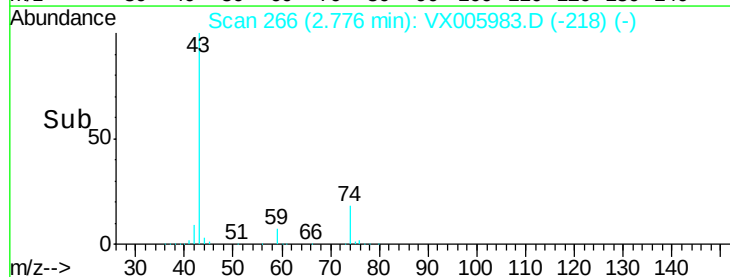
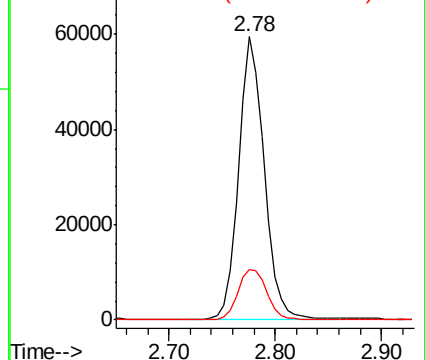
43 100

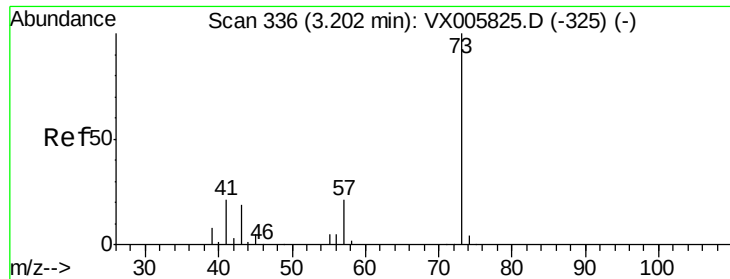
74 20.5 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





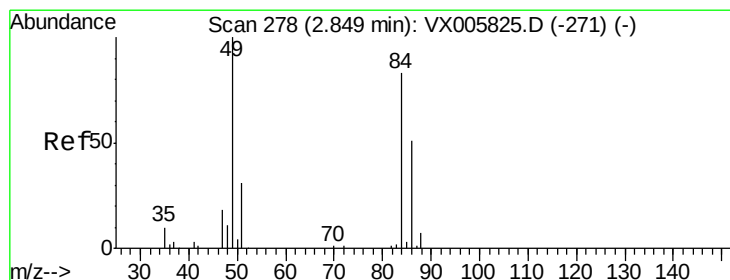
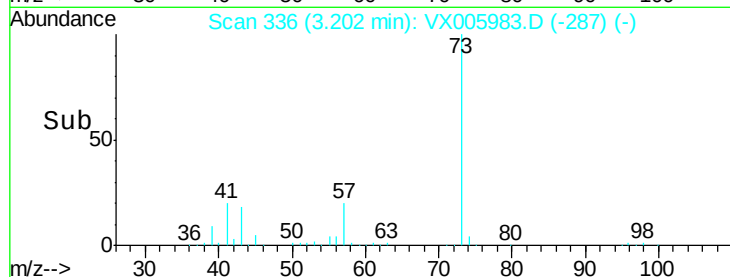
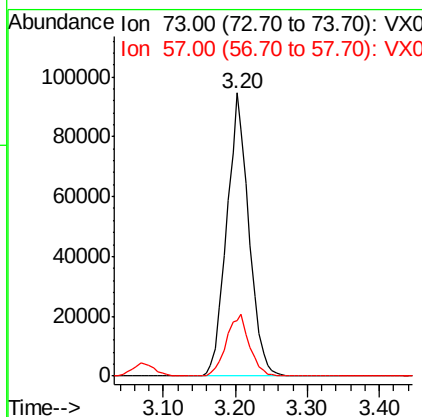
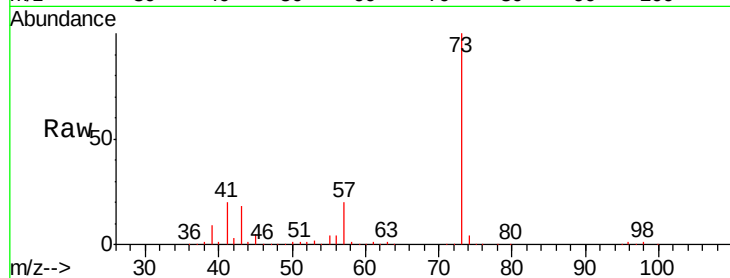
#19
Methyl tert-butyl Ether
Concen: 60.39 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion: 73 Resp: 202260
Ion Ratio Lower Upper
73 100
57 19.7 18.8 28.2

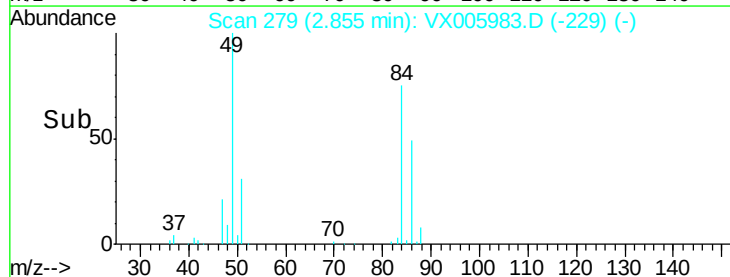
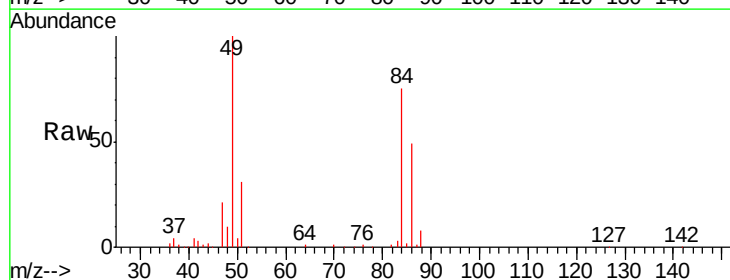
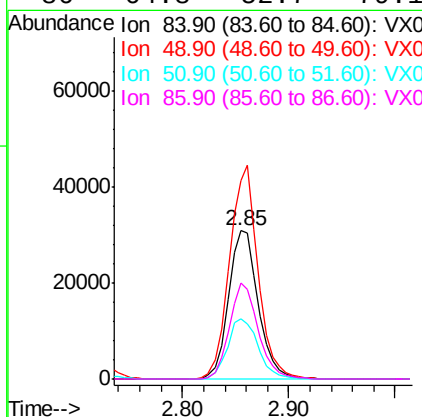
Manual Integrations
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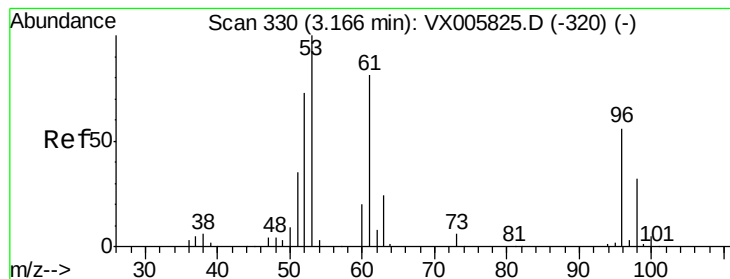
MMDadoda
11/15/2018 1:05:27 PM



#20
Methylene Chloride
Concen: 53.18 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 84 Resp: 60030
Ion Ratio Lower Upper
84 100
49 133.5 109.5 164.3
51 40.8 33.3 49.9
86 64.8 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 56.96 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

Tgt Ion: 96 Resp: 58959

Ion Ratio Lower Upper

96 100

61 124.5 115.6 173.4

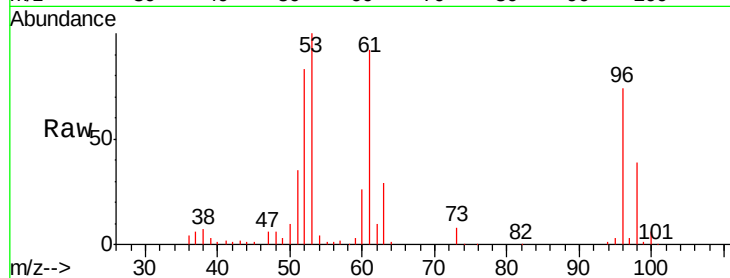
98 52.5 50.2 75.2

Manual Integrations

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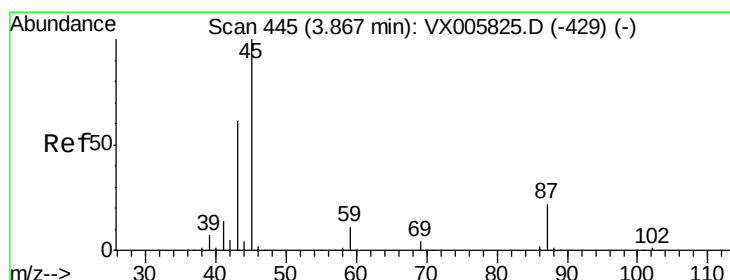
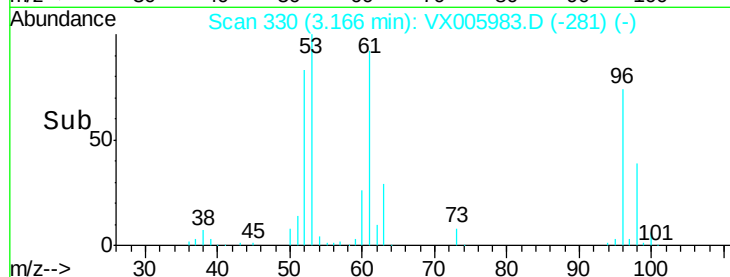
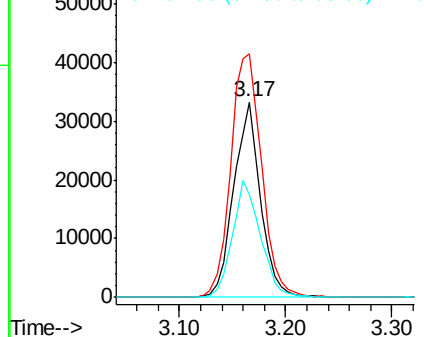


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 53.66 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Tgt Ion: 45 Resp: 206002

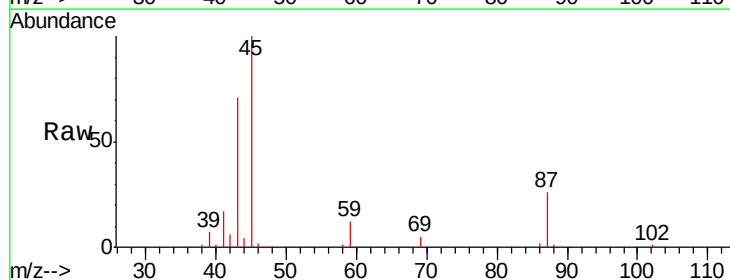
Ion Ratio Lower Upper

45 100

43 71.3 47.4 71.2#

87 26.3 15.9 23.9#

59 12.1 7.7 11.5#



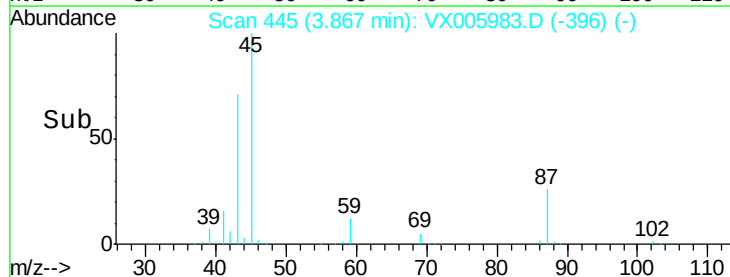
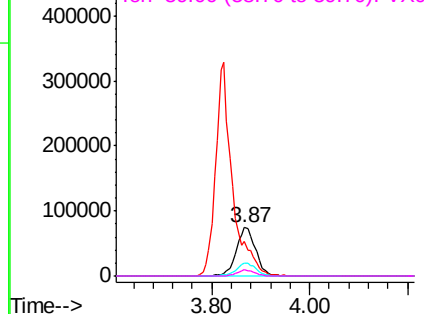
Abundance

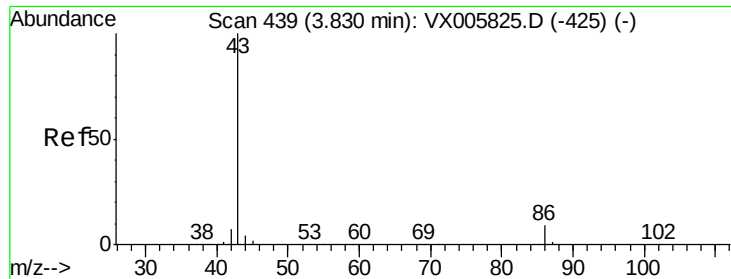
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 237.42 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

Tgt Ion: 43 Resp: 781548

Ion Ratio Lower Upper

43 100

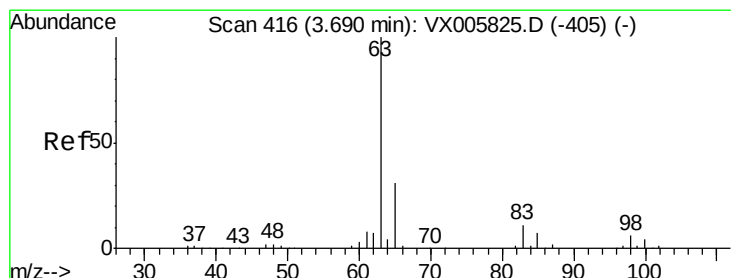
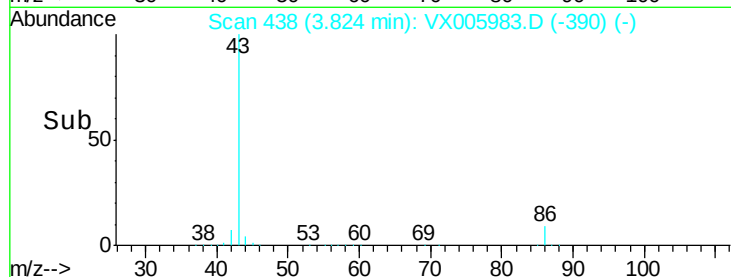
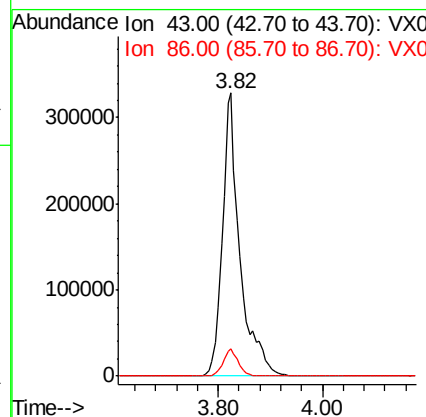
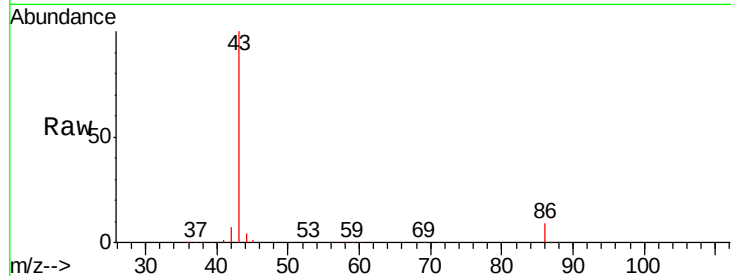
86 9.5 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 56.65 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

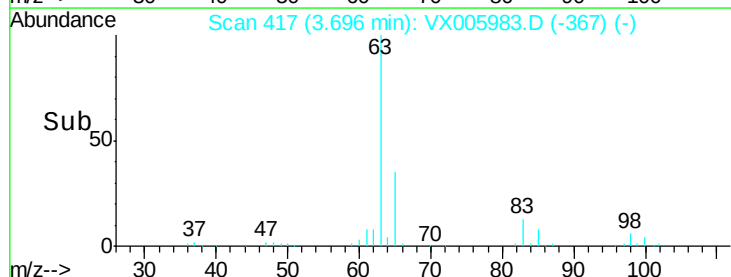
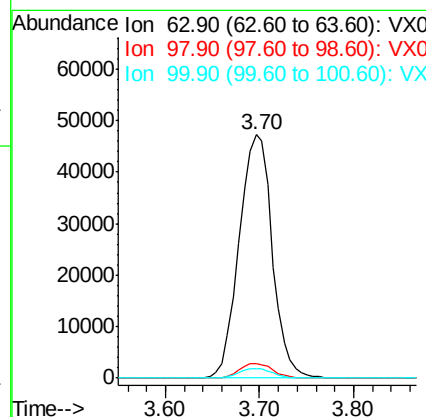
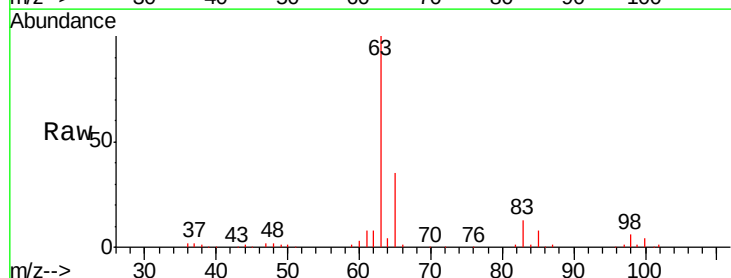
Tgt Ion: 63 Resp: 116042

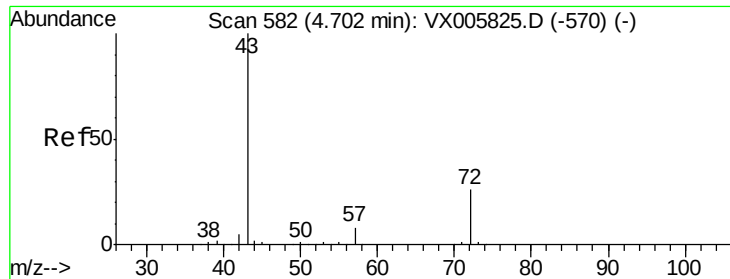
Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 273.83 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

Tgt Ion: 43 Resp: 295847

Ion Ratio Lower Upper

43 100

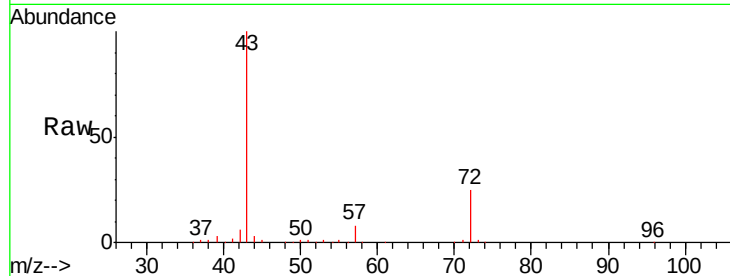
72 24.9 19.2 28.8

Manual Integrations

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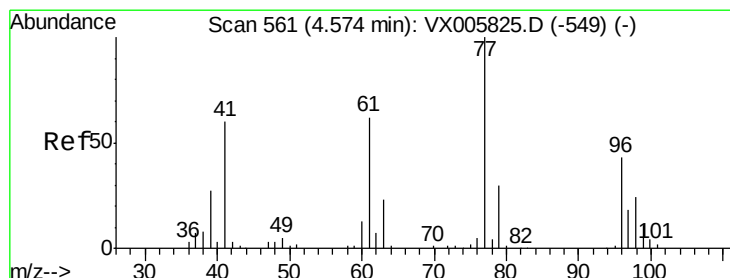
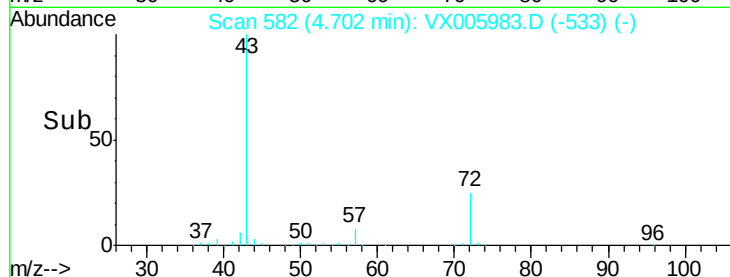
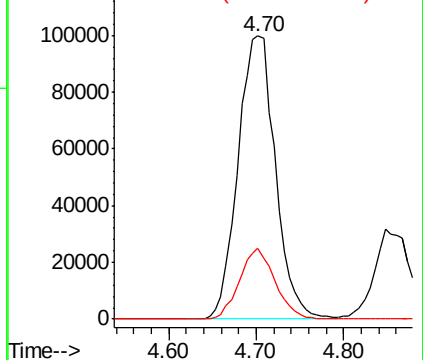
MMDadoda

11/15/2018 1:05:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 31.84 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005983.D

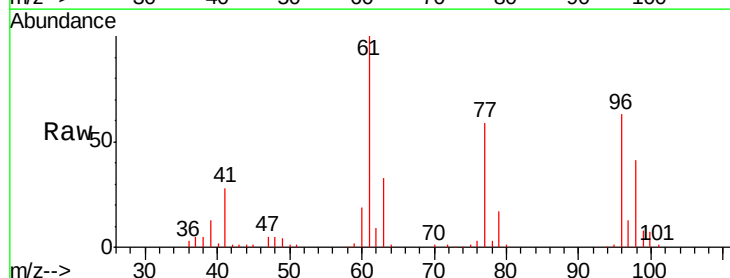
Acq: 14 Nov 2018 19:15

Tgt Ion: 77 Resp: 47846

Ion Ratio Lower Upper

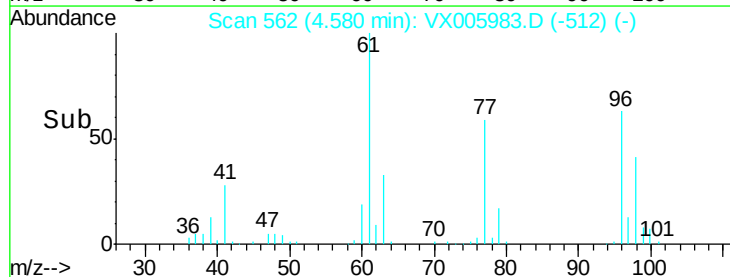
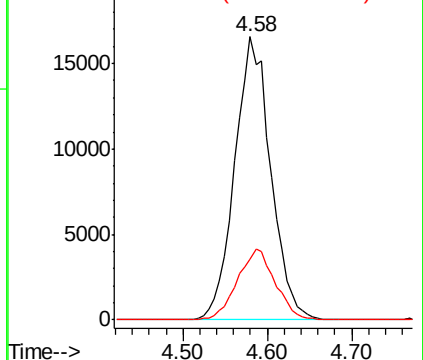
77 100

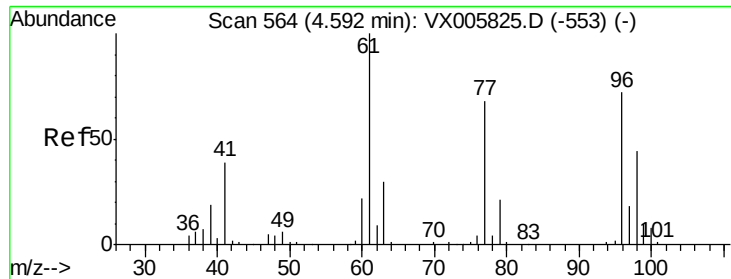
97 26.0 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 69.51 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

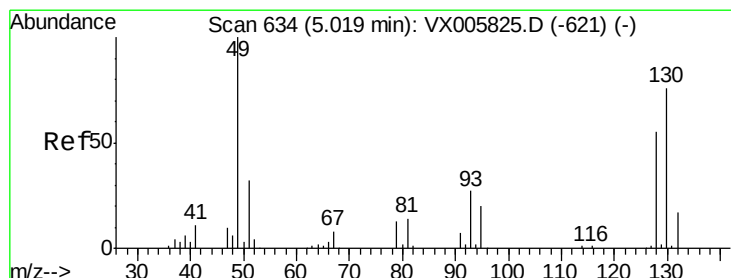
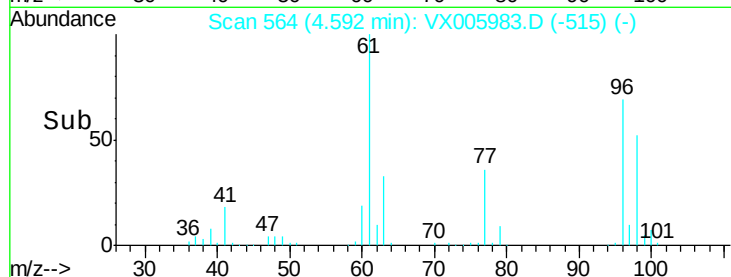
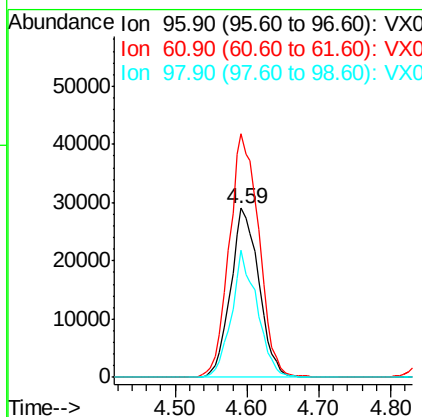
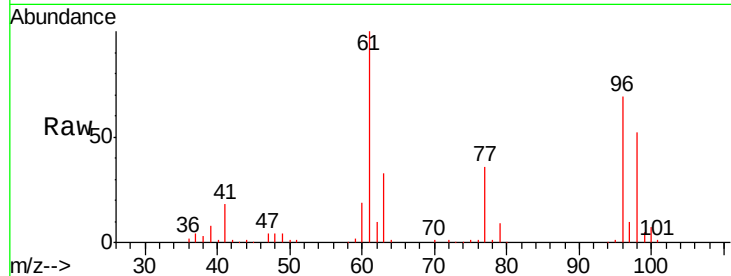
ClientSampleId :

S36-0144MSD

Tgt Ion:	96	Resp:	79443
Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	304.6
98	67.6	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 61.27 ug/l

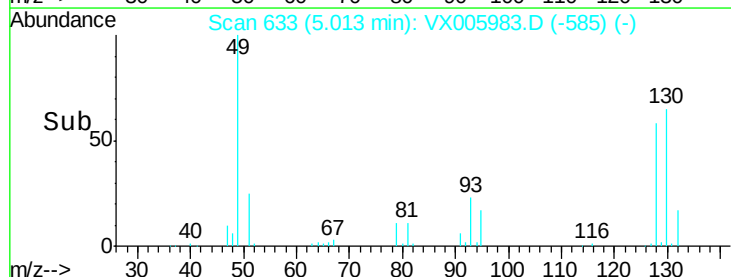
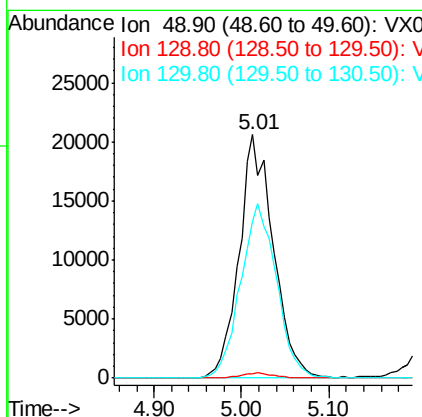
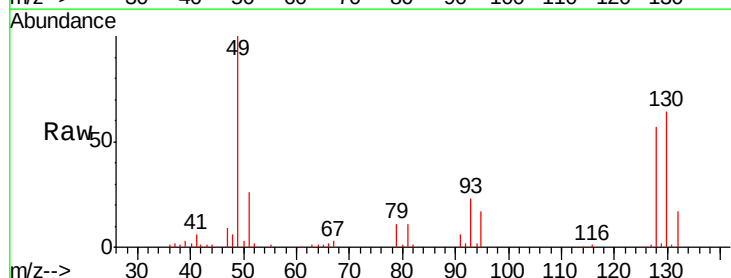
RT: 5.01 min Scan# 633

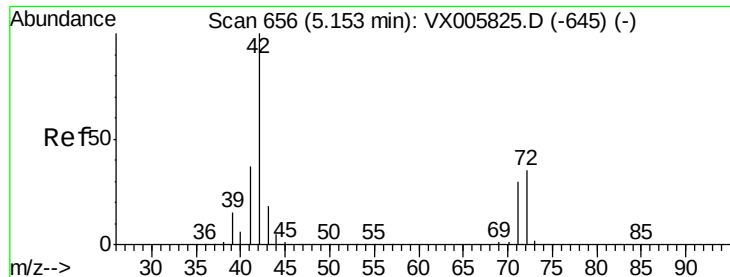
Delta R.T. -0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Tgt Ion:	49	Resp:	56089
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	74.9	58.9	88.3





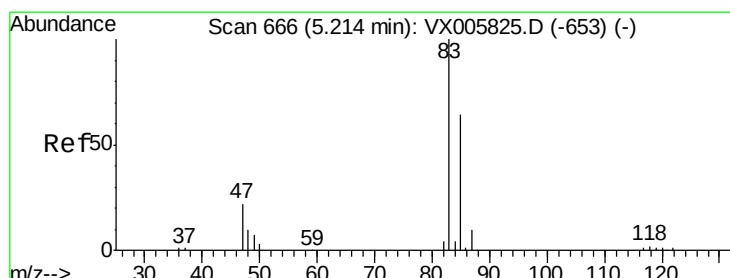
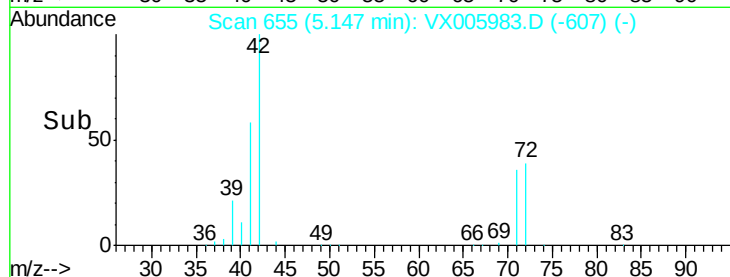
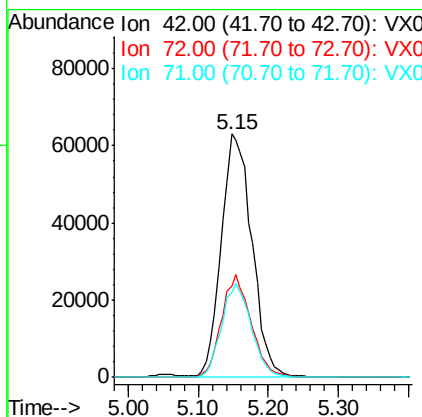
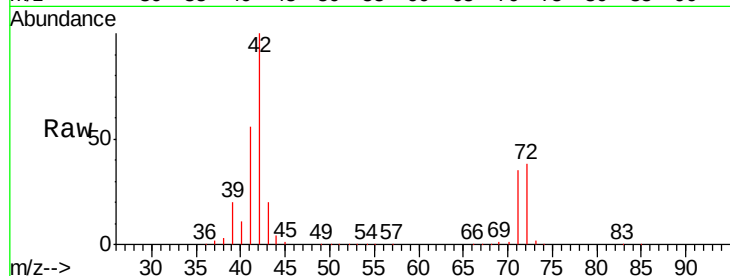
#29
Tetrahydrofuran
Concen: 275.59 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.0	48.0
71	37.6	29.8	44.8

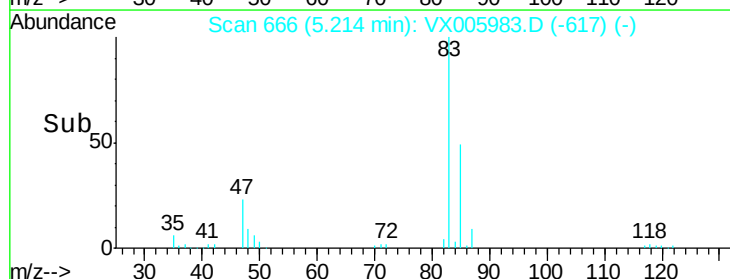
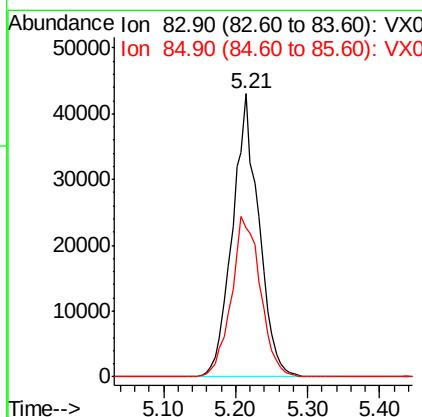
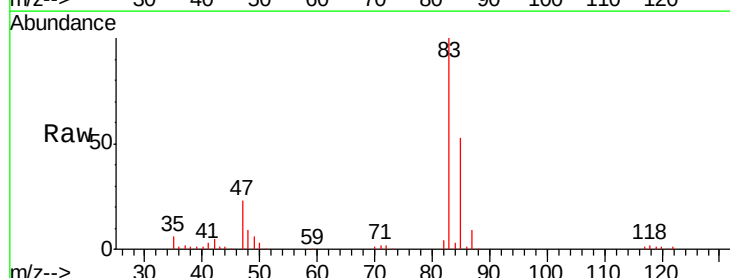
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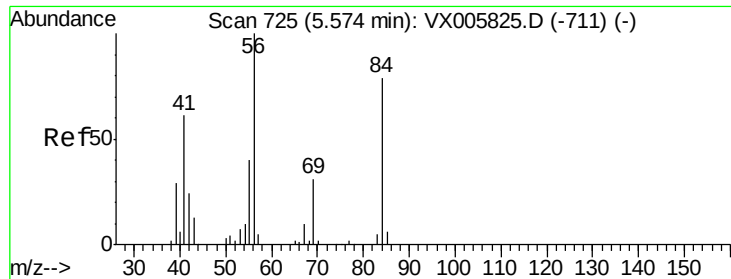
MMDadoda
11/15/2018 1:05:27 PM



#30
Chloroform
Concen: 55.32 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.7	50.6	76.0





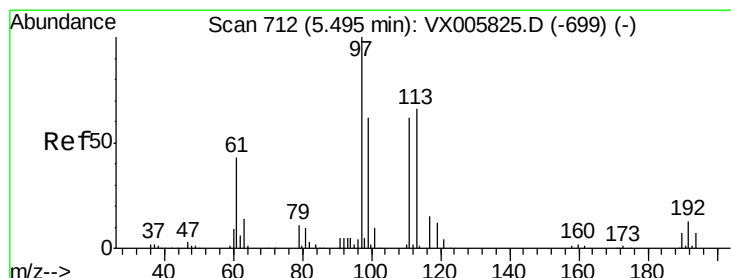
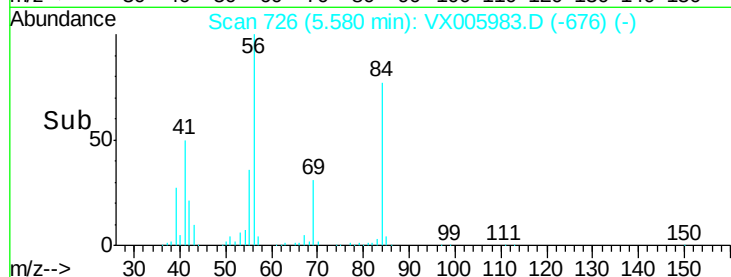
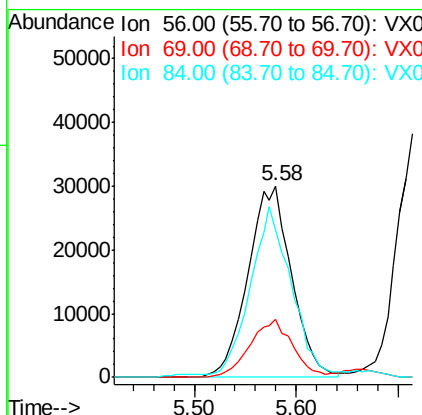
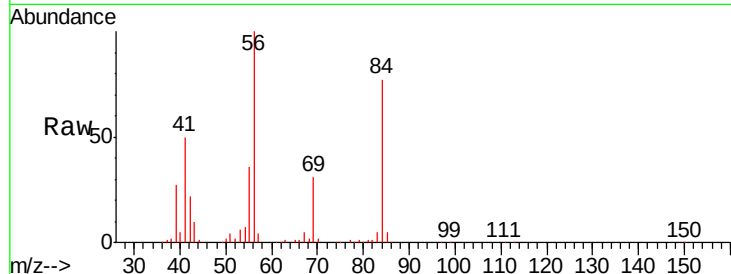
#31
Cyclohexane
Concen: 50.08 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.6	22.6	34.0
84	76.0	62.7	94.1

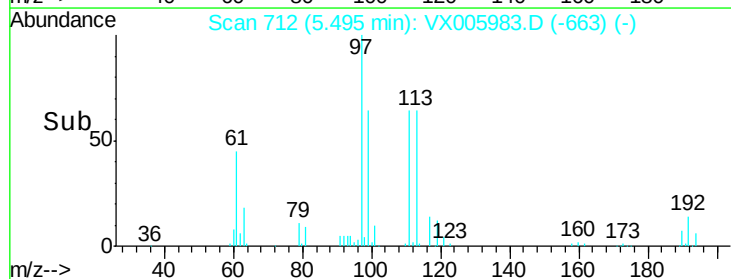
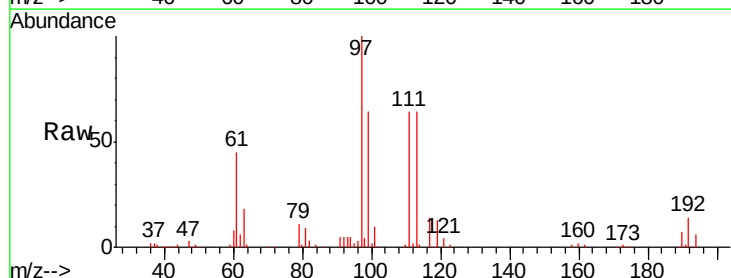
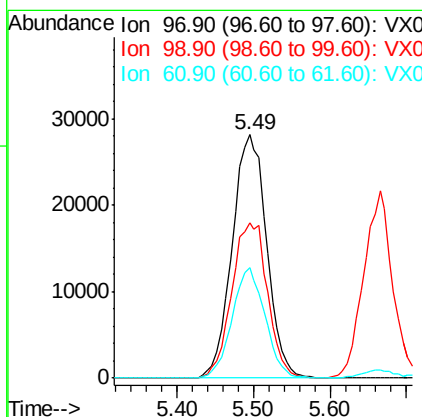
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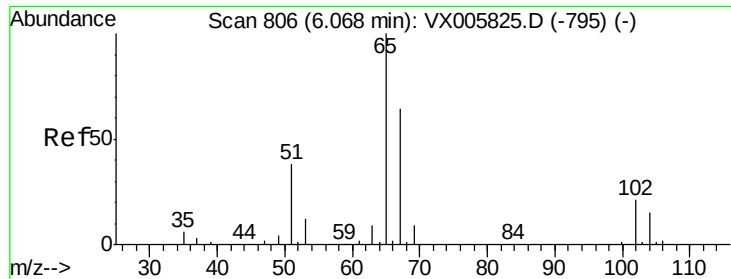
MMDadoda
11/15/2018 1:05:27 PM



#32
1,1,1-Trichloroethane
Concen: 53.31 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.3	78.5
61	43.4	35.2	52.8





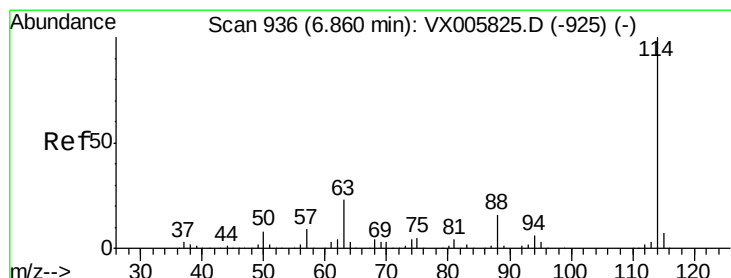
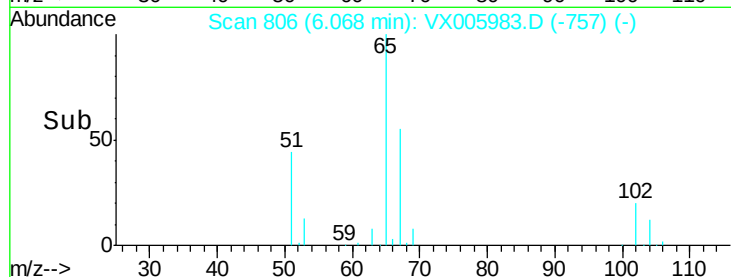
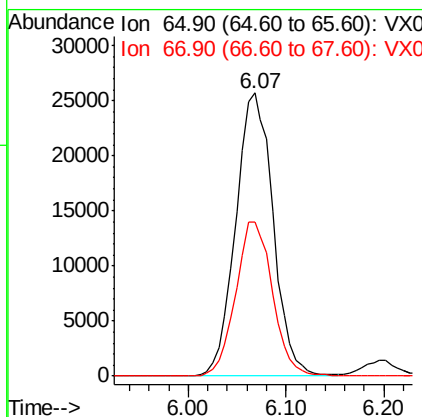
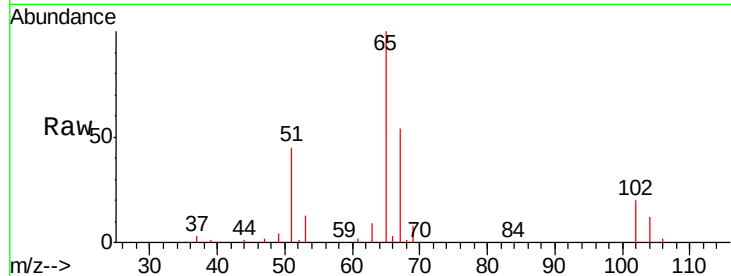
#33
 1,2-Dichloroethane-d4
 Concen: 53.40 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tgt Ion: 65 Resp: 68151
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.0

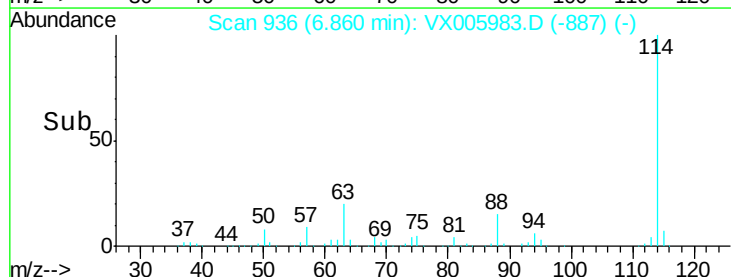
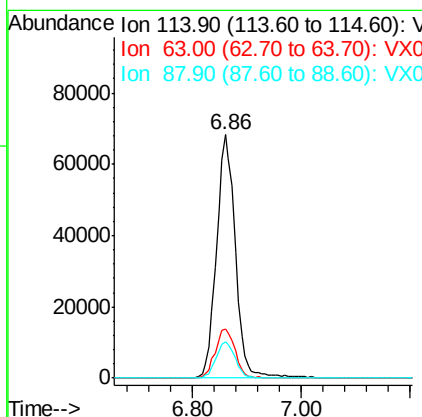
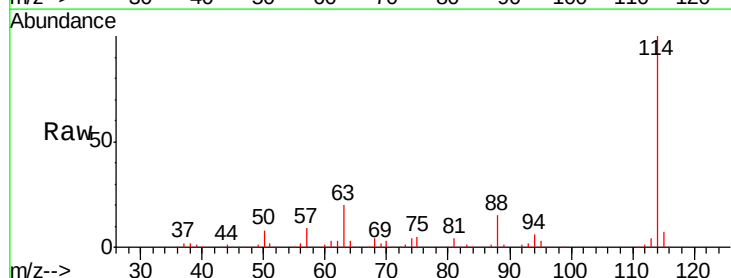
Manual Integrations
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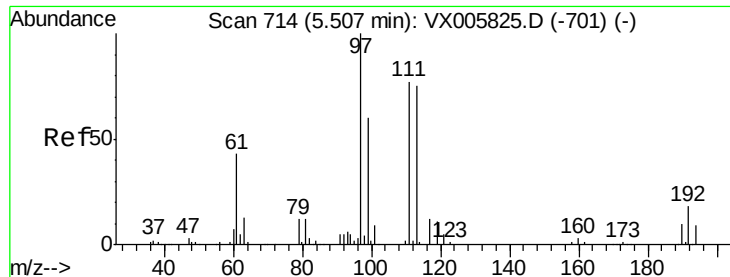
MMDadoda
 11/15/2018 1:05:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion: 114 Resp: 164800
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 42.8
 88 15.0 0.0 31.2





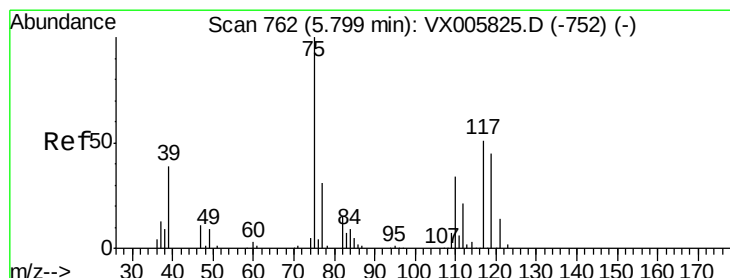
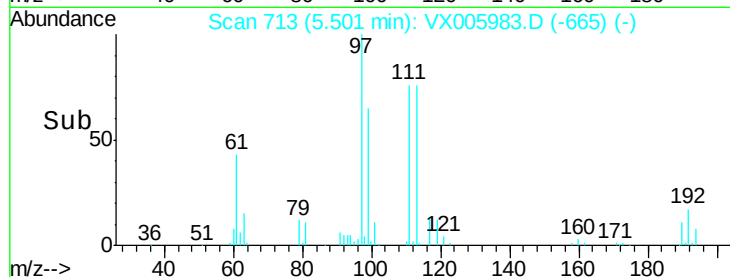
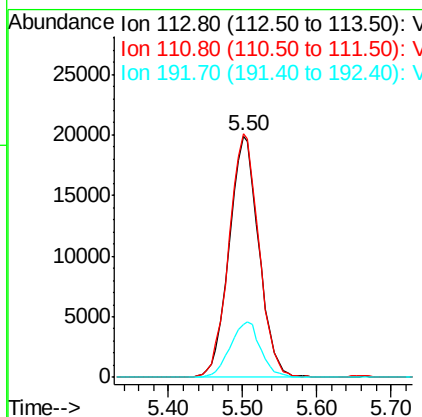
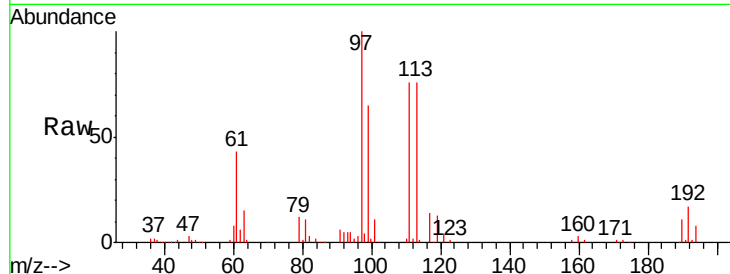
#35
 Dibromofluoromethane
 Concen: 49.65 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	55651		
111	101.5	82.3	123.5	
192	23.1	17.9	26.9	

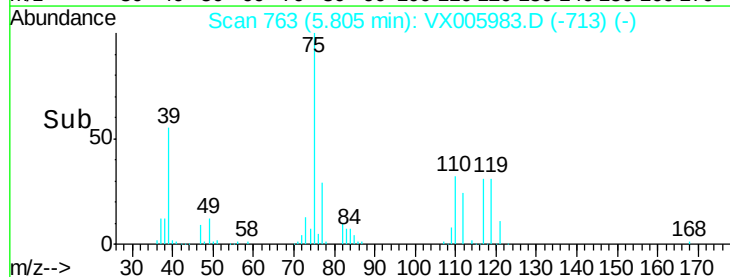
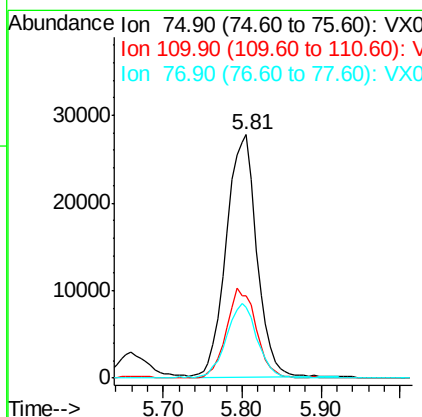
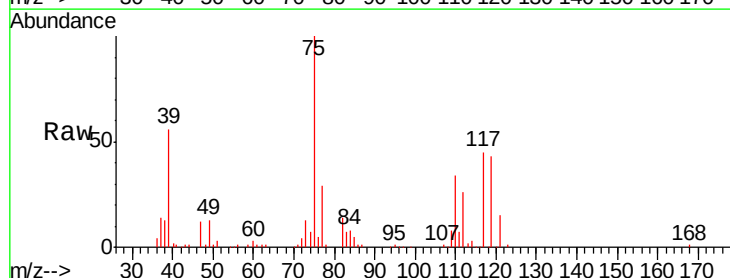
Manual Integrations
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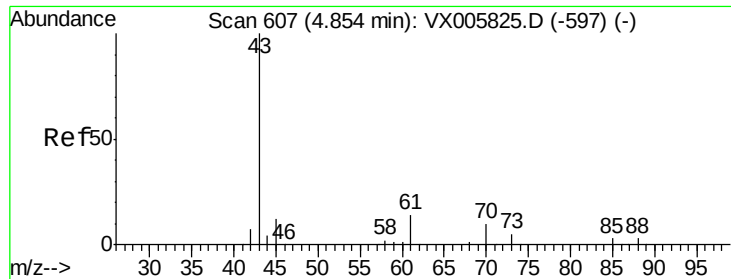
MMDadoda
 11/15/2018 1:05:27 PM



#36
 1,1-Dichloropropene
 Concen: 46.93 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	74563		
110	36.2	17.4	52.2	
77	31.2	25.8	38.6	





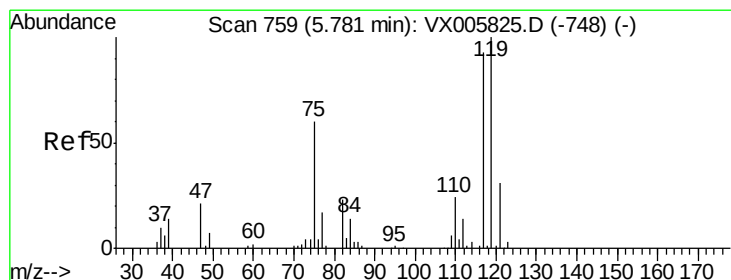
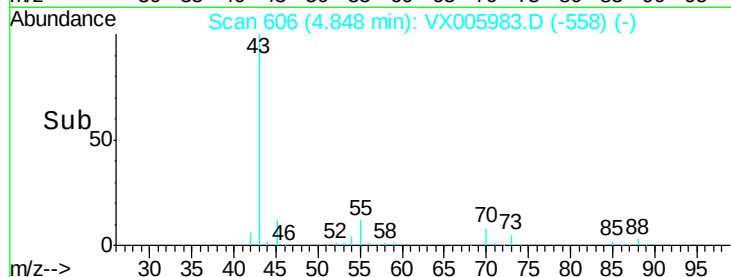
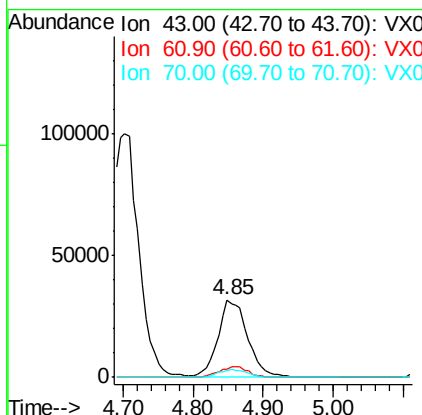
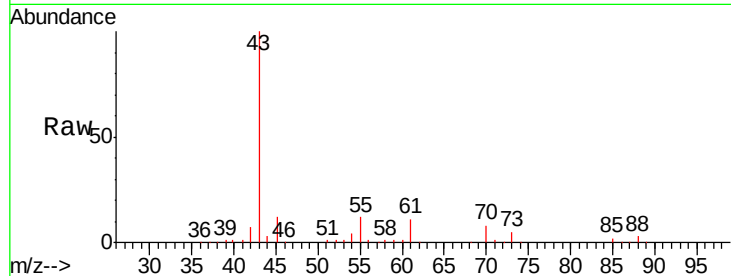
#37
Ethyl Acetate
Concen: 44.31 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion: 43 Resp: 92562
Ion Ratio Lower Upper
43 100
61 13.9 10.8 16.2
70 9.7 7.8 11.8

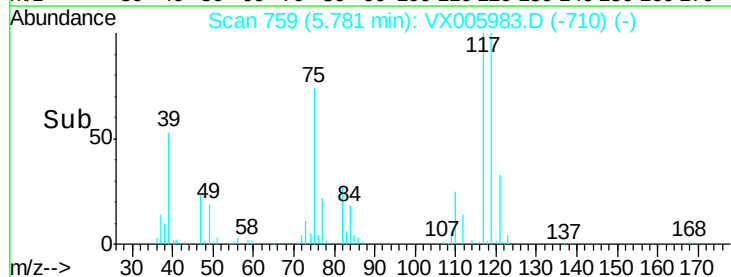
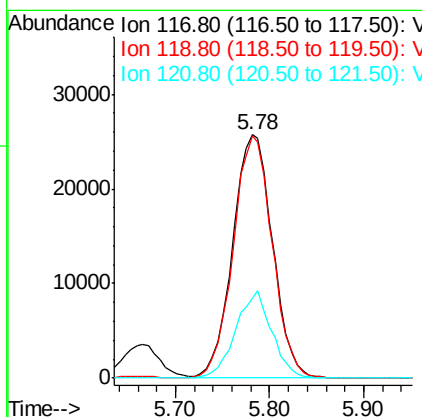
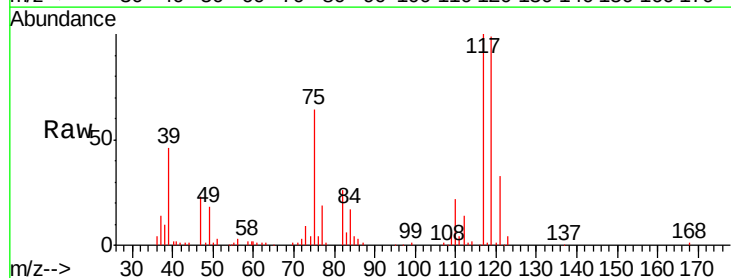
Manual Integrations
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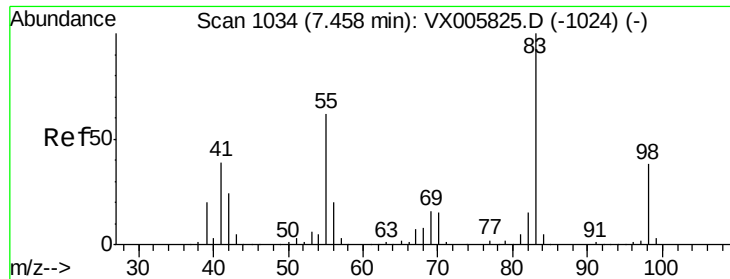
MMDadoda
11/15/2018 1:05:27 PM



#38
Carbon Tetrachloride
Concen: 47.67 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 117 Resp: 75817
Ion Ratio Lower Upper
117 100
119 99.3 78.1 117.1
121 32.7 24.6 36.8





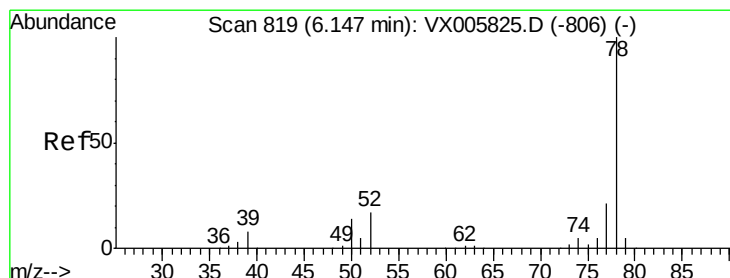
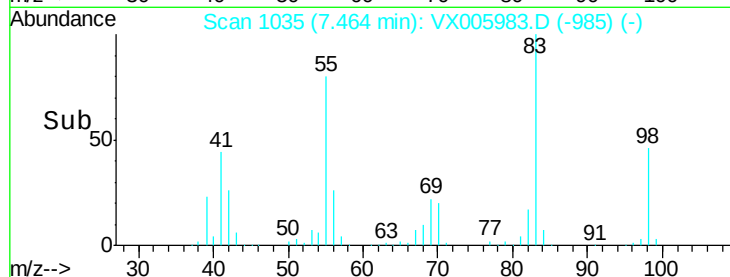
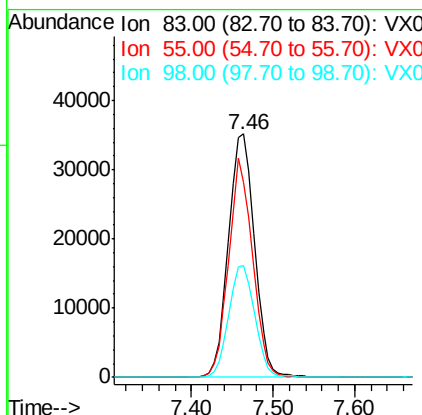
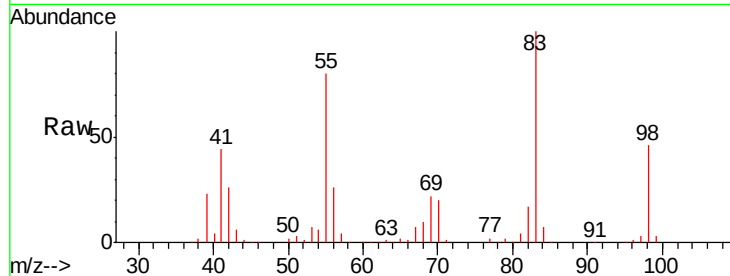
#39
Methylcyclohexane
Concen: 48.19 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.3	63.7	95.5
98	46.0	36.2	54.2

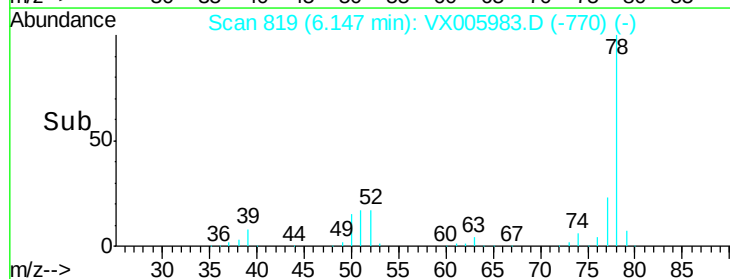
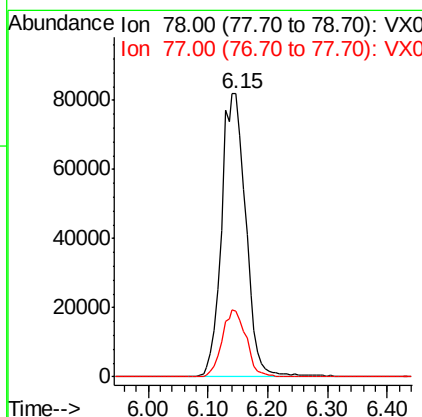
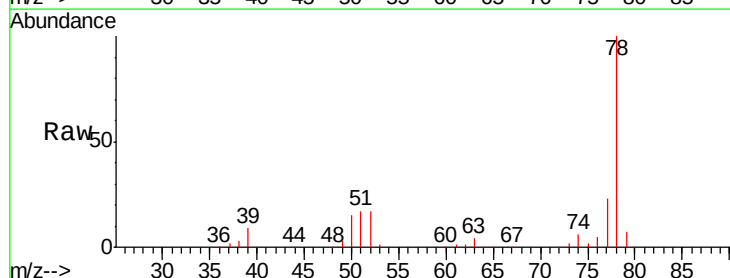
Manual Integrations
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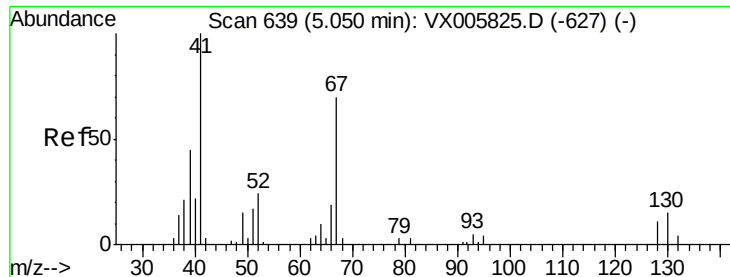
MMDadoda
11/15/2018 1:05:27 PM



#40
Benzene
Concen: 50.21 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.4	27.6





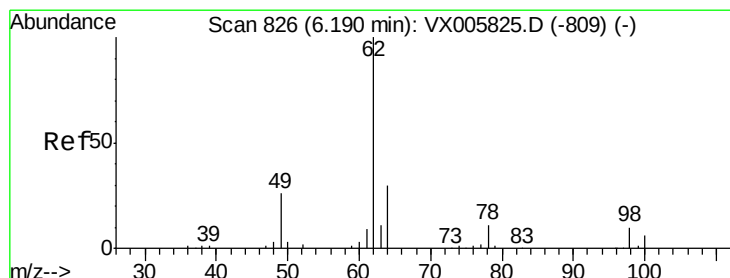
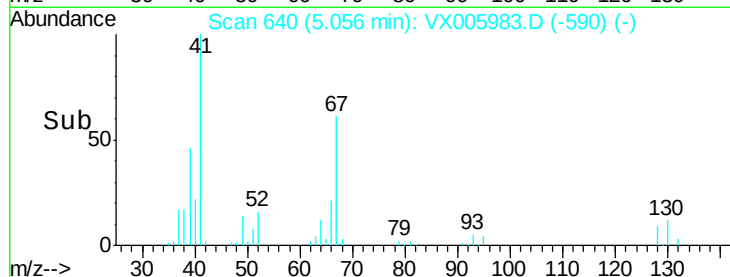
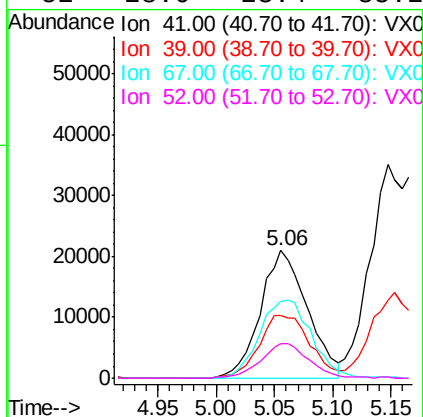
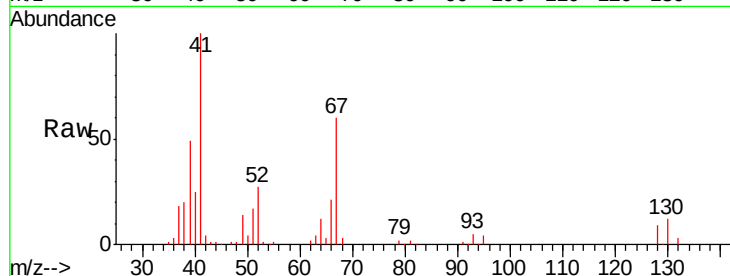
#41
Methacrylonitrile
Concen: 52.07 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	42.2	63.2	
67	68.3	53.4	80.0	
52	28.0	23.4	35.2	

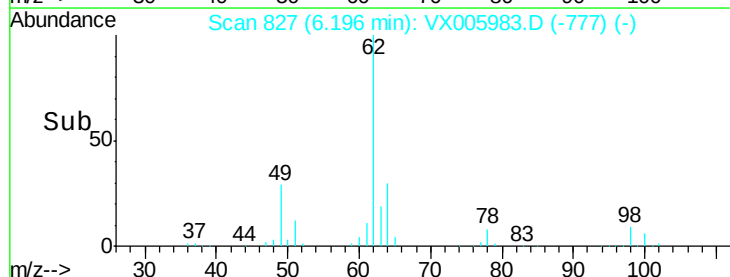
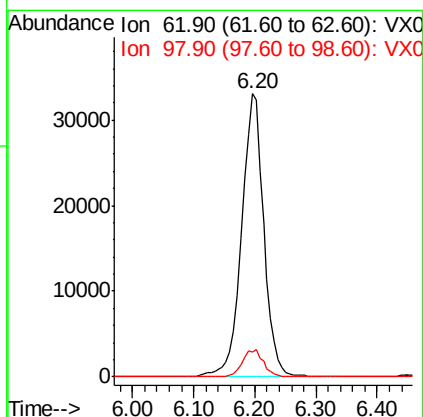
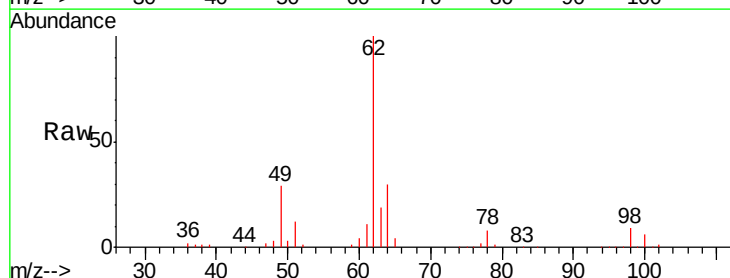
Manual Integrations
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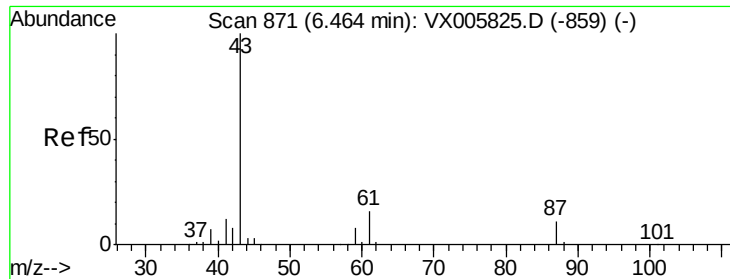
MMDadoda
11/15/2018 1:05:27 PM



#42
1,2-Dichloroethane
Concen: 49.90 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	17.8	





#43

Isopropyl Acetate

Concen: 47.60 ug/l

RT: 6.45 min Scan# 869

Delta R.T. -0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

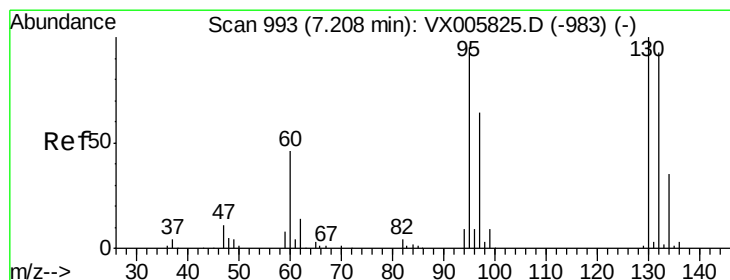
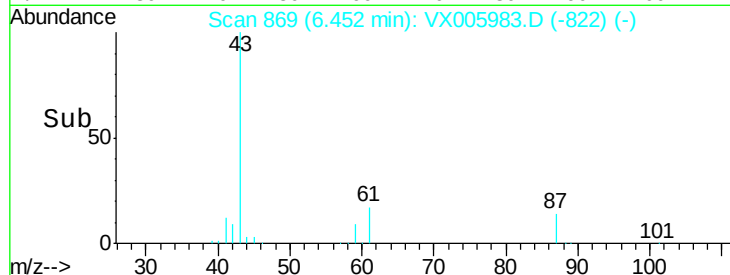
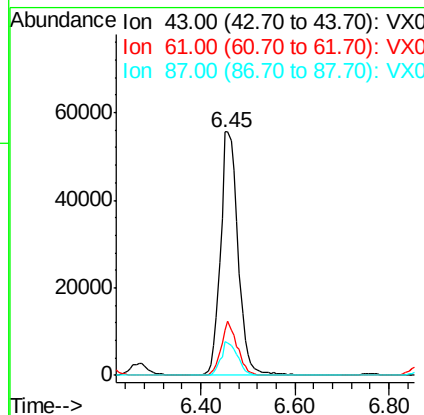
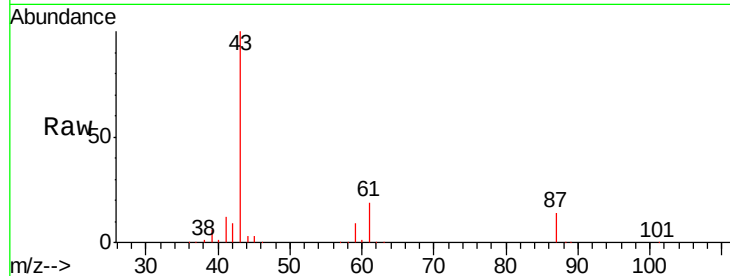
ClientSampleId :

S36-0144MSD

Tgt Ion:	43	Resp:	144111
Ion	Ratio	Lower	Upper
43	100		
61	20.2	14.6	22.0
87	13.0	9.6	14.4

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#44

Trichloroethene

Concen: 49.35 ug/l

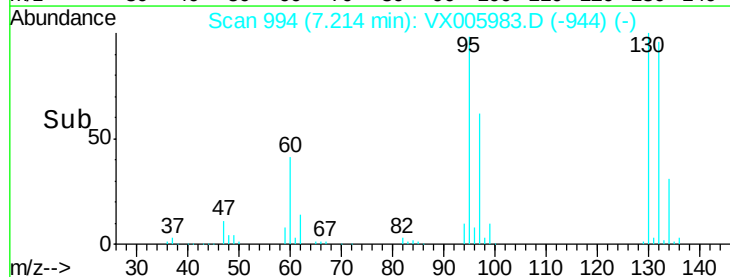
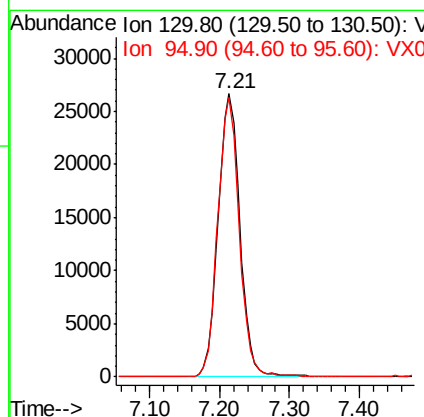
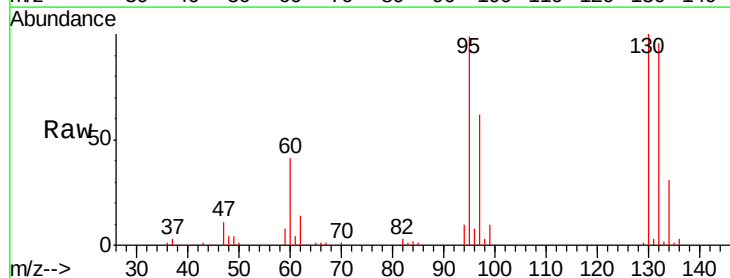
RT: 7.21 min Scan# 994

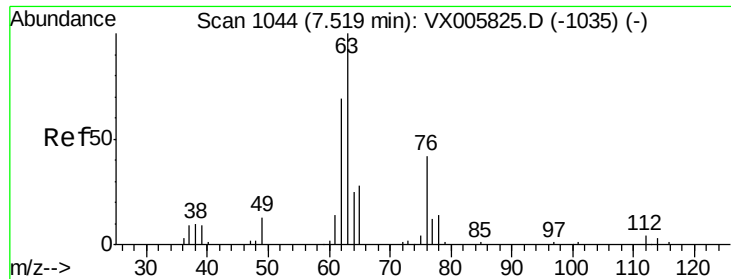
Delta R.T. 0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Tgt Ion:	130	Resp:	58049
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	194.2





#45

1,2-Dichloropropane

Concen: 53.71 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

Tgt Ion: 63 Resp: 60375

Ion Ratio Lower Upper

63 100

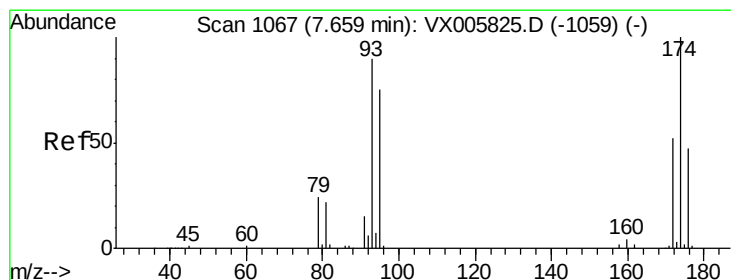
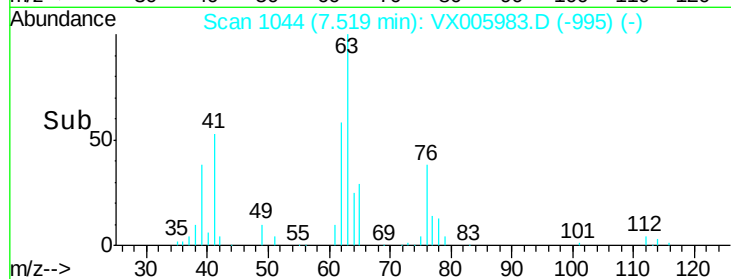
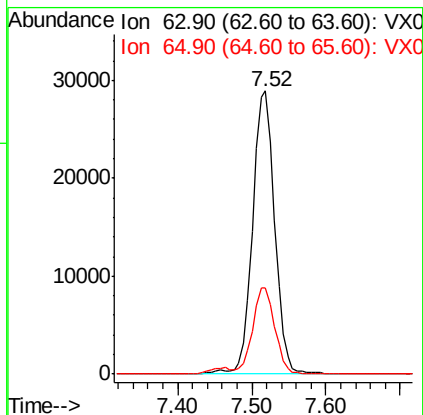
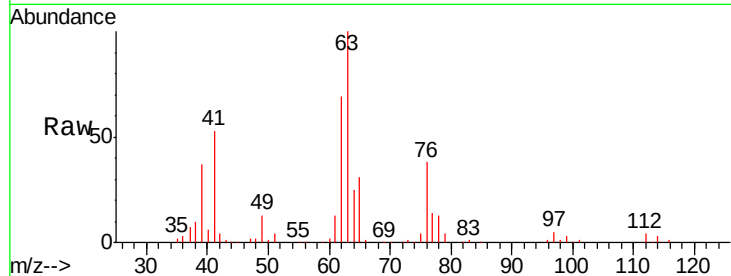
65 30.6 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 53.78 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

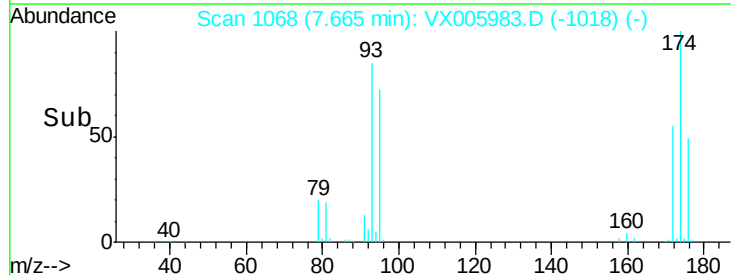
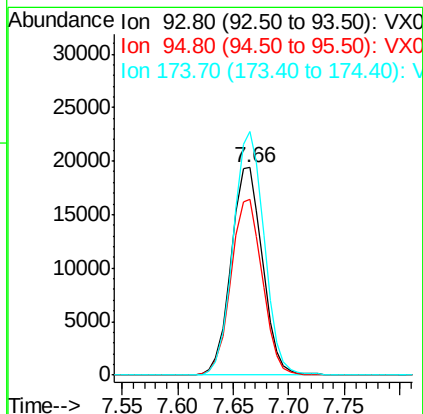
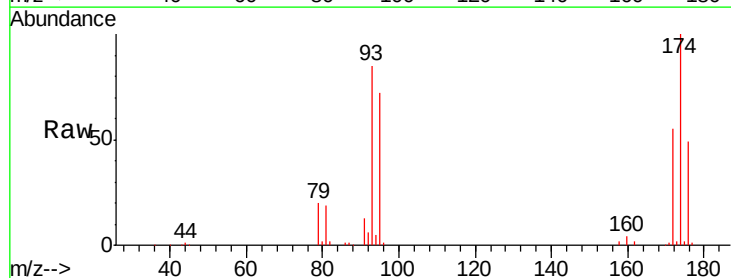
Tgt Ion: 93 Resp: 37940

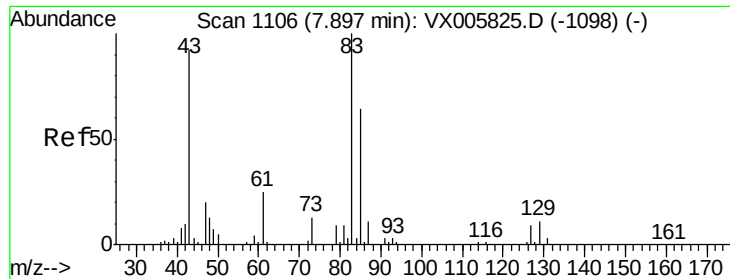
Ion Ratio Lower Upper

93 100

95 84.5 67.4 101.0

174 115.5 91.5 137.3





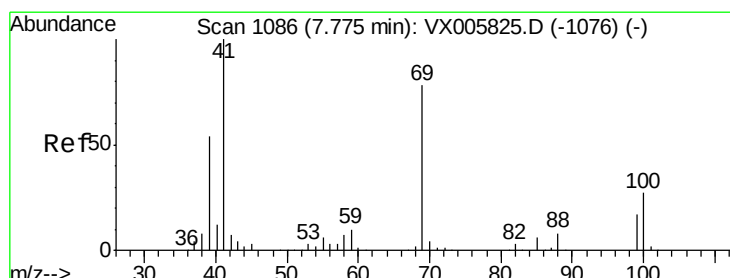
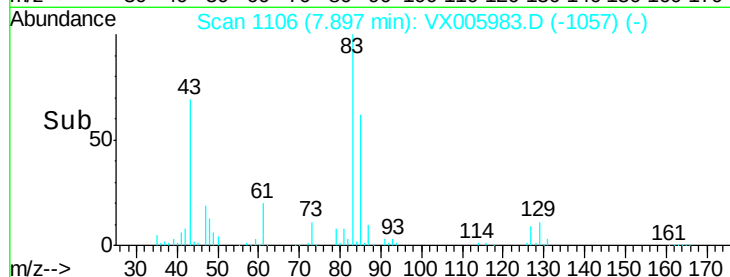
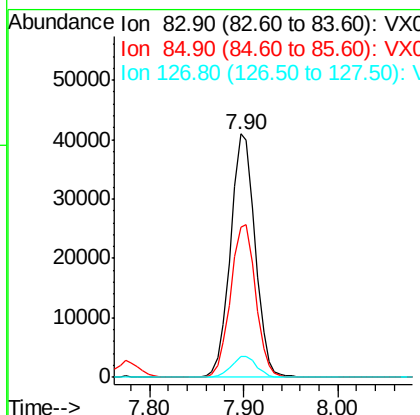
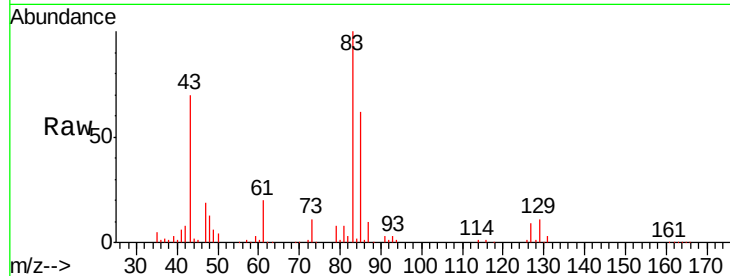
#47
 Bromodichloromethane
 Concen: 55.97 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.2	75.4
127	8.7	6.9	10.3

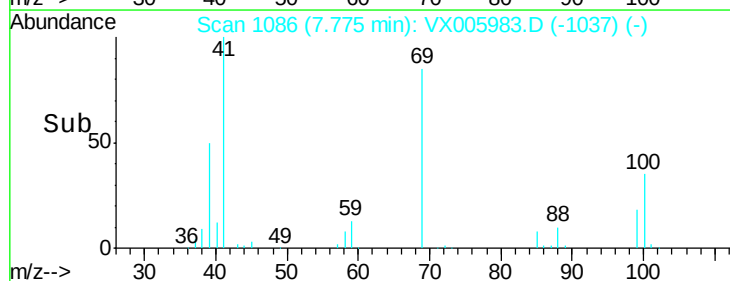
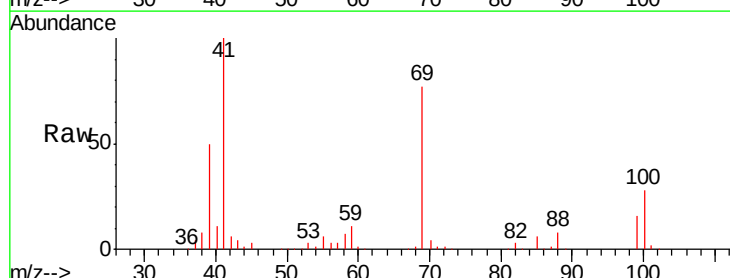
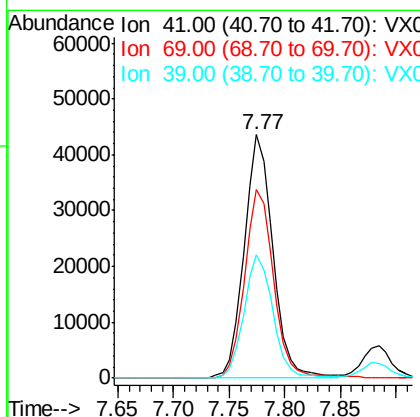
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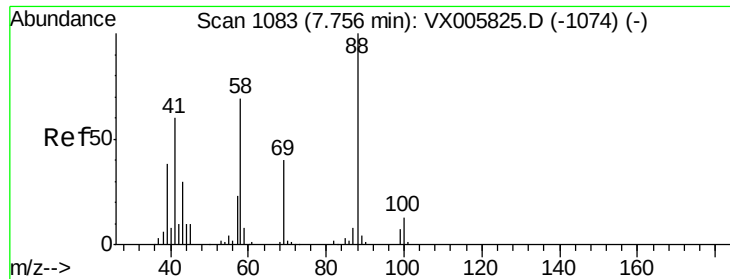
MMDadoda
 11/15/2018 1:05:27 PM



#48
 Methyl methacrylate
 Concen: 57.55 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.9	63.2	94.8
39	51.1	42.2	63.2





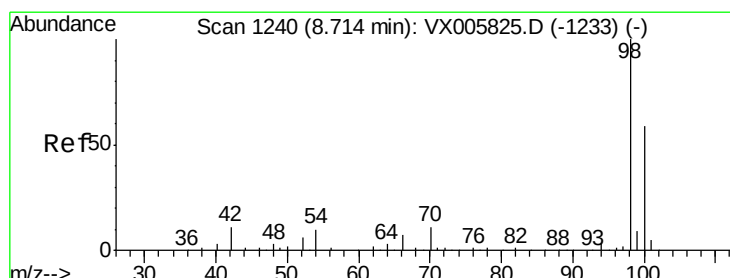
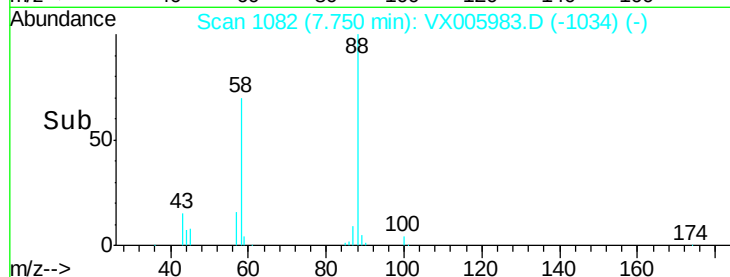
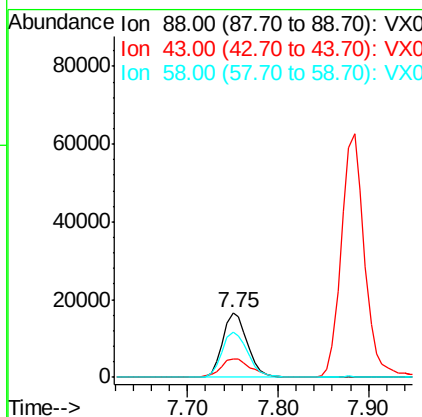
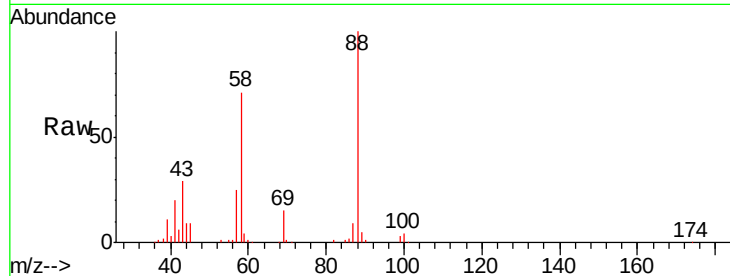
#49
1,4-Dioxane
Concen: 1073.47 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.4	41.0
58	73.9	59.4	89.2

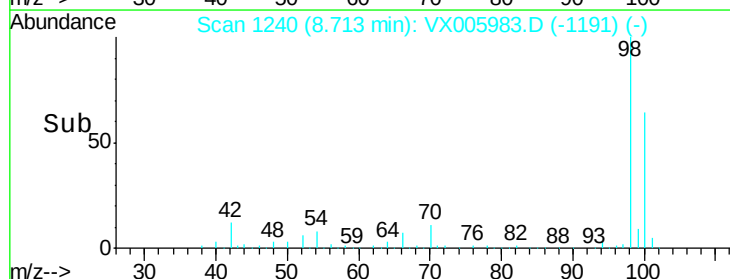
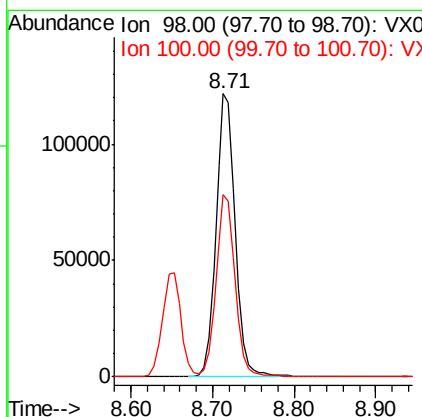
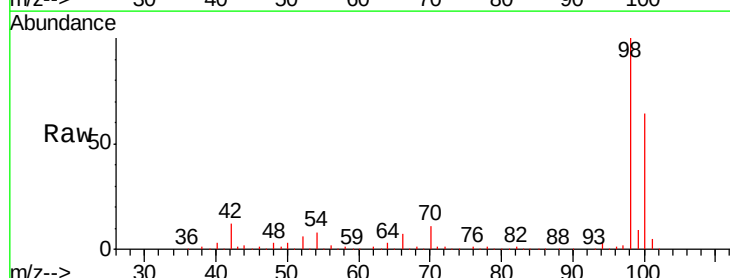
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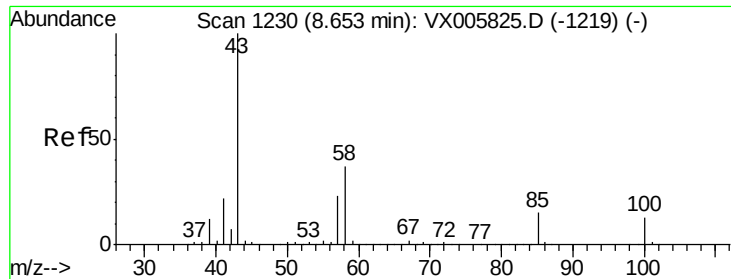
MMDadoda
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#50
Toluene-d8
Concen: 53.98 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 273.70 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

Tgt Ion: 43 Resp: 522187

Ion Ratio Lower Upper

43 100

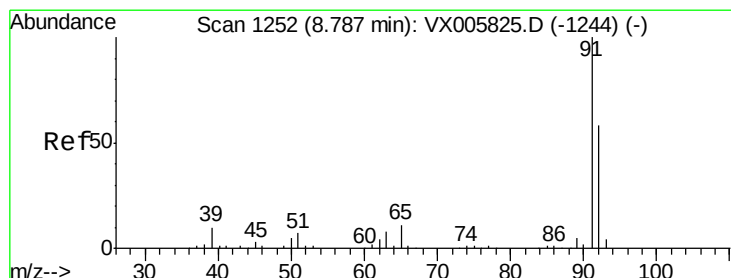
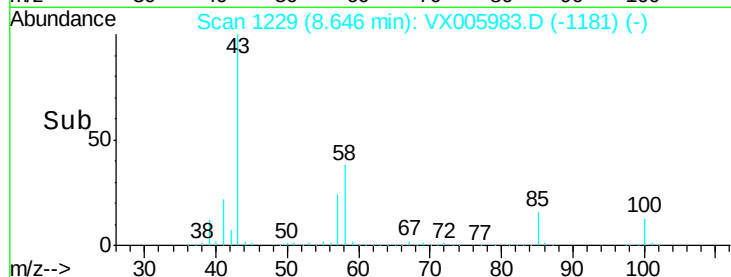
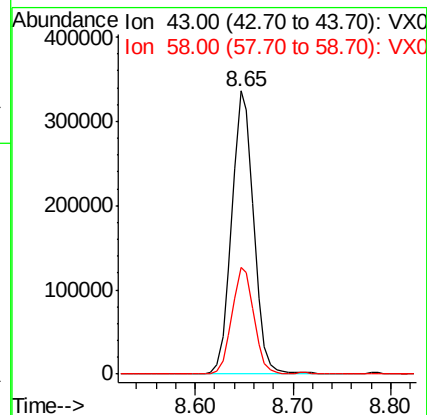
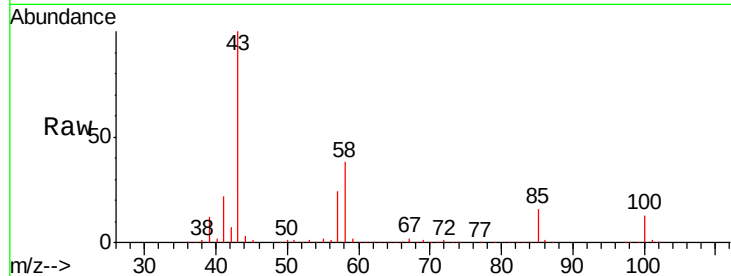
58 37.7 29.7 44.5

Manual Integrations

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#52

Toluene

Concen: 52.54 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005983.D

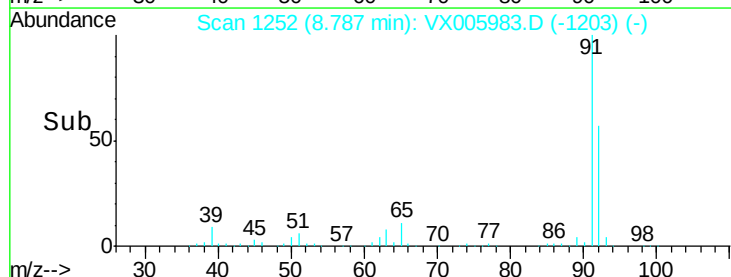
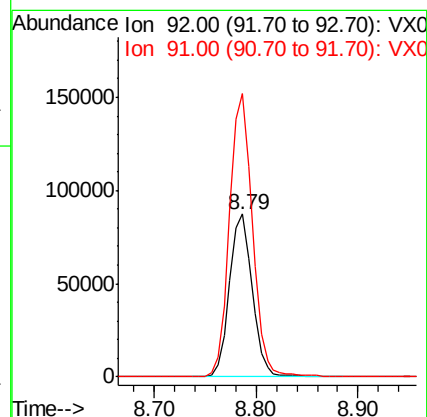
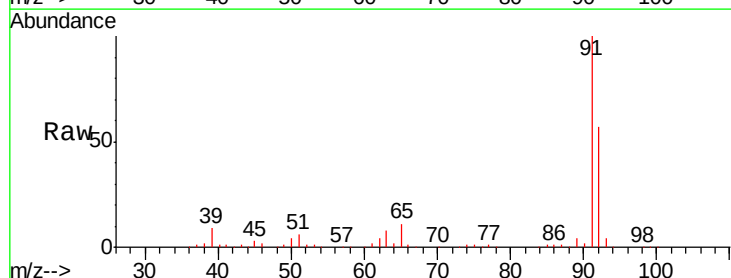
Acq: 14 Nov 2018 19:15

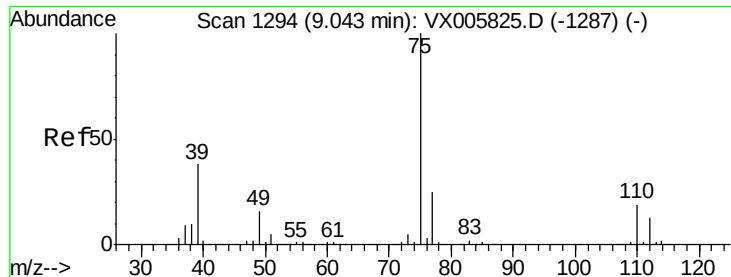
Tgt Ion: 92 Resp: 135996

Ion Ratio Lower Upper

92 100

91 175.4 140.4 210.6





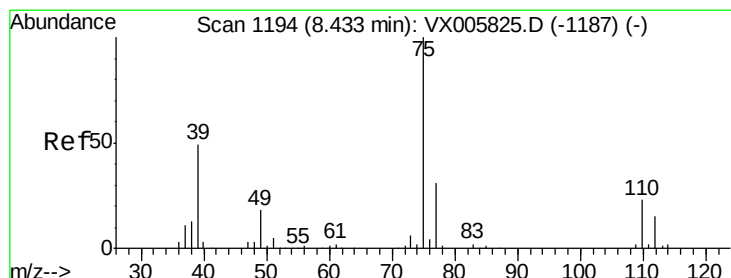
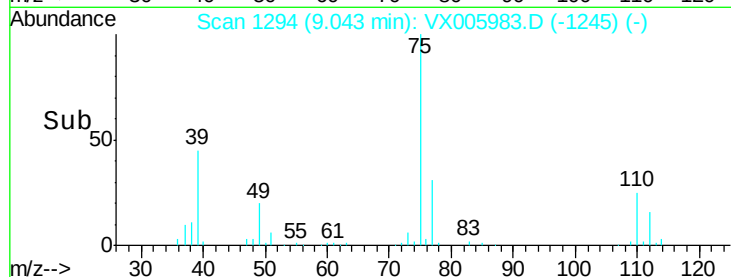
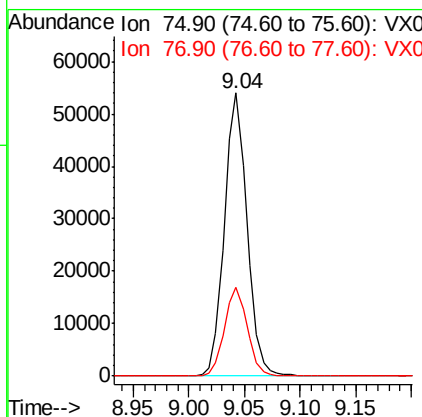
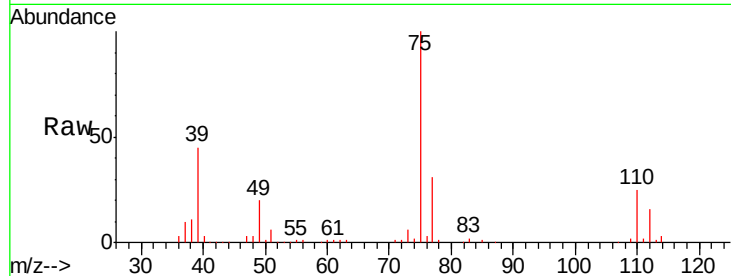
#53
t-1,3-Dichloropropene
Concen: 48.40 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion: 75 Resp: 76147
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2

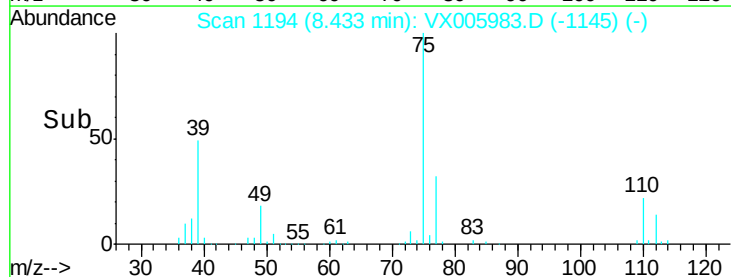
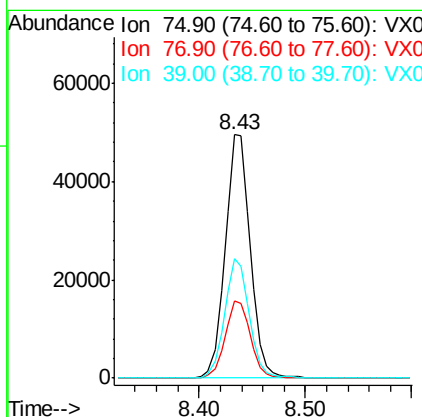
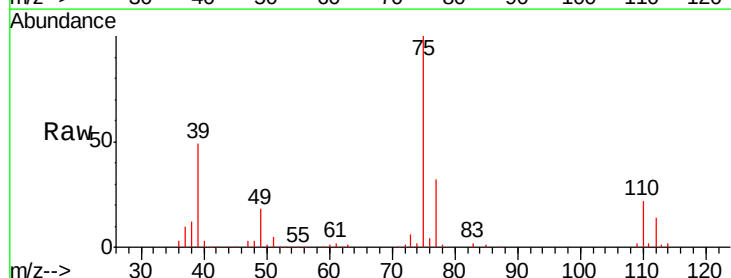
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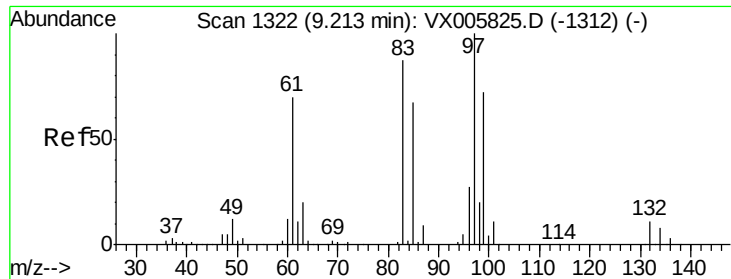
MMDadoda
11/15/2018 1:05:27 PM



#54
cis-1,3-Dichloropropene
Concen: 50.89 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 75 Resp: 81599
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 48.9 38.2 57.2





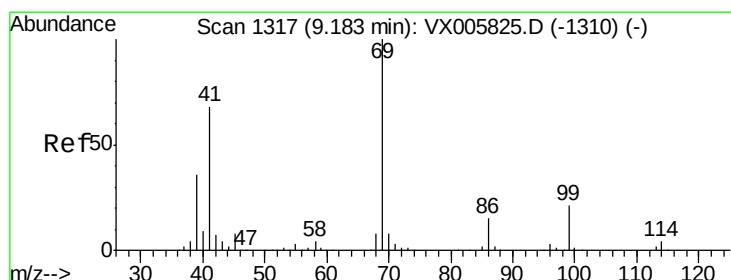
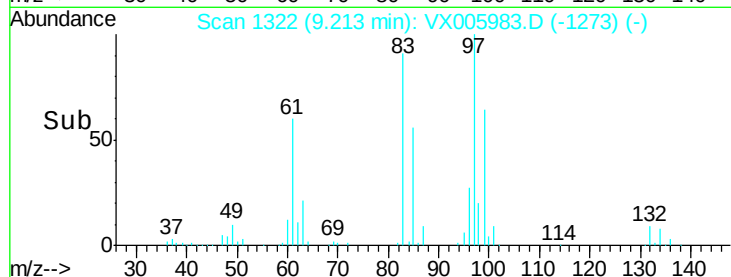
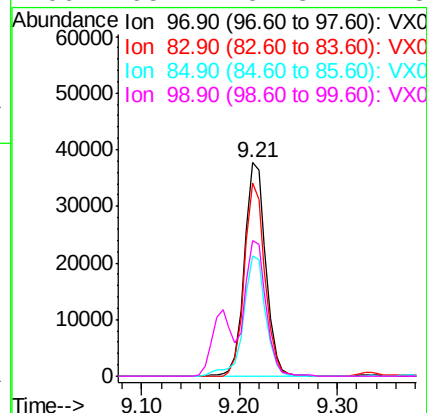
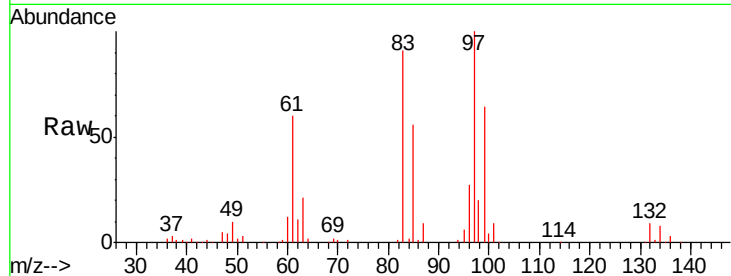
#55
 1,1,2-Trichloroethane
 Concen: 49.54 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.6	70.7	106.1
85	56.1	45.8	68.6
99	63.7	51.8	77.8

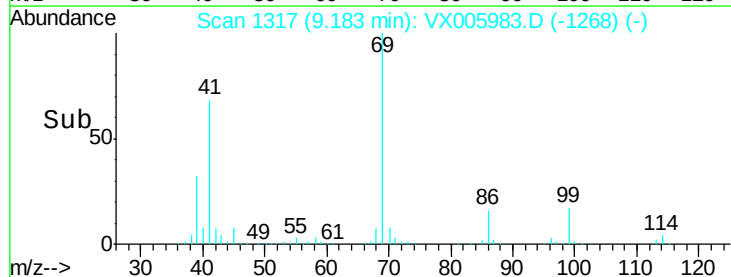
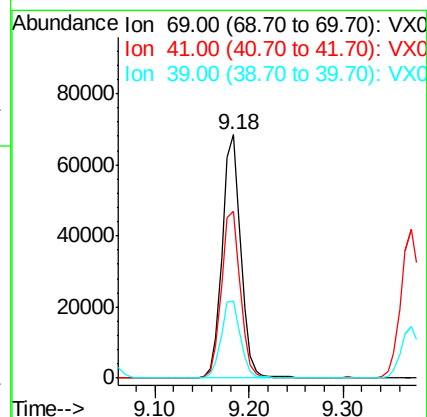
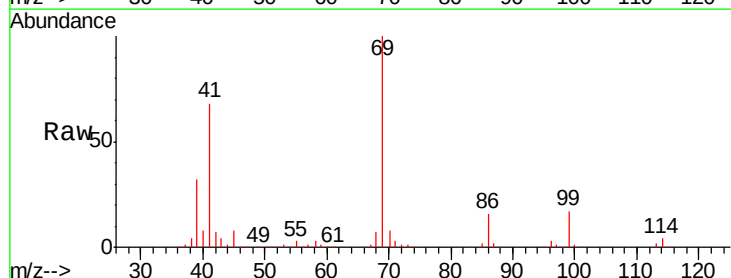
Manual Integrations
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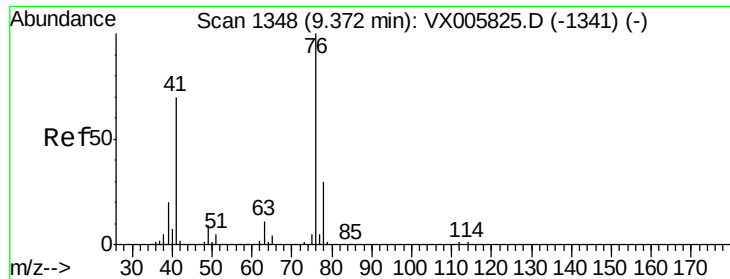
MMDadoda
 11/15/2018 1:05:27 PM



#56
 Ethyl methacrylate
 Concen: 54.34 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.7	57.0	85.6
39	33.1	28.3	42.5





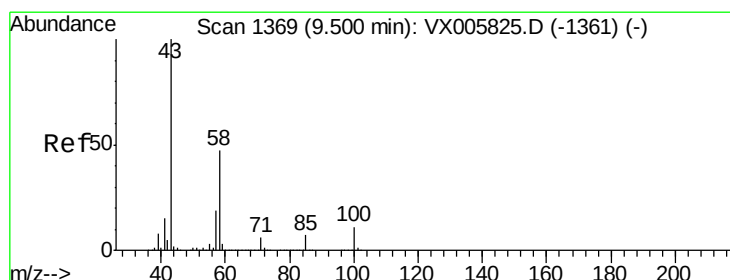
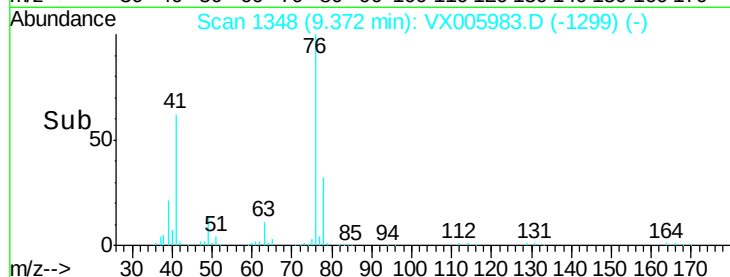
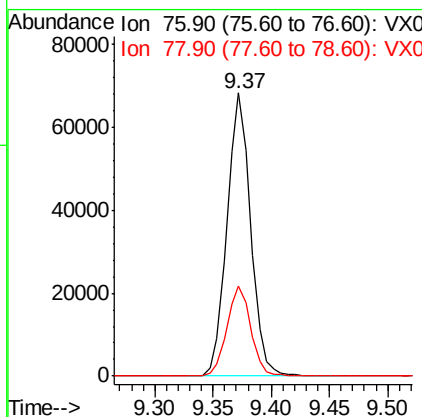
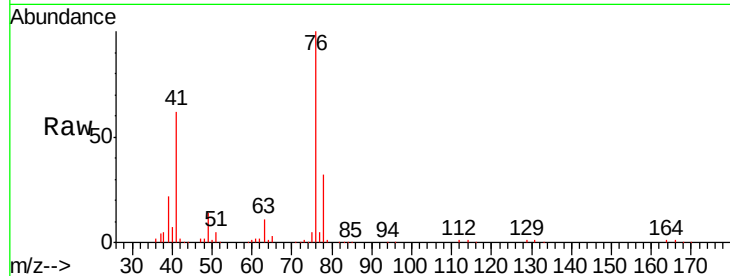
#57
 1,3-Dichloropropane
 Concen: 49.77 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tgt Ion: 76 Resp: 96489
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.3 37.9

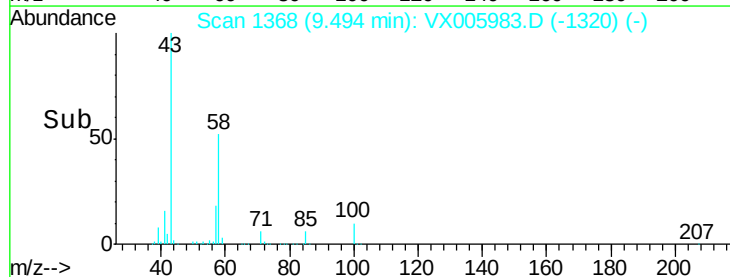
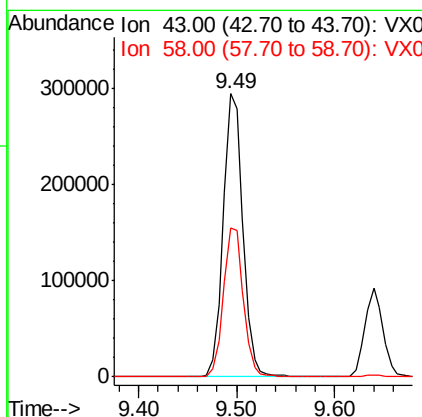
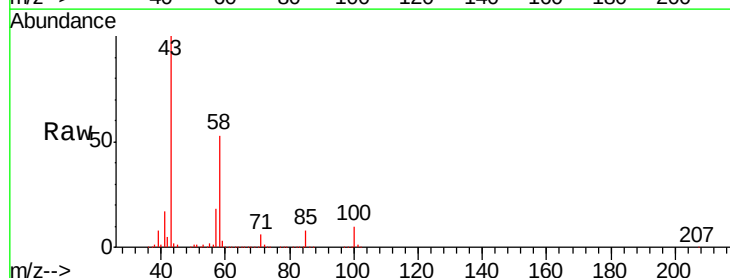
Manual Integrations
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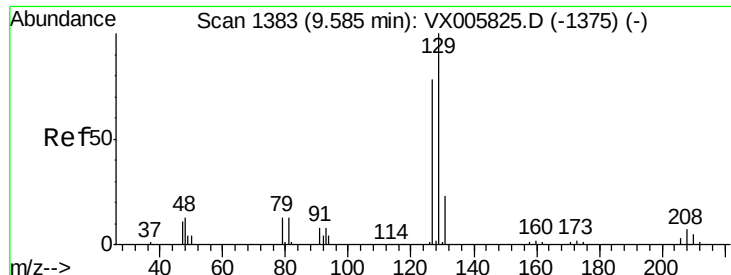
MMDadoda
 11/15/2018 1:05:27 PM



#59
 2-Hexanone
 Concen: 244.60 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion: 43 Resp: 411350
 Ion Ratio Lower Upper
 43 100
 58 53.3 25.9 77.8





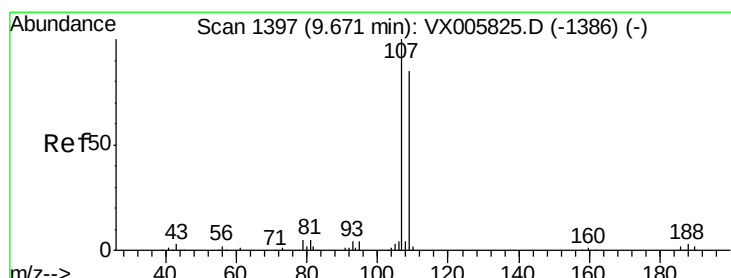
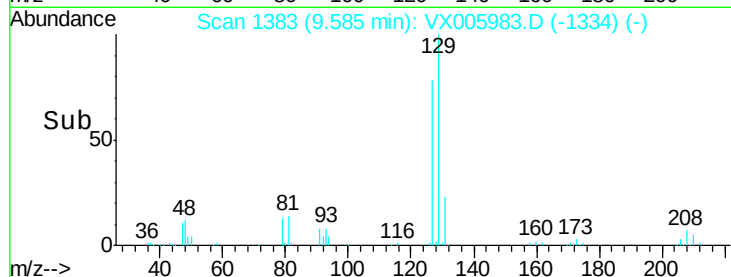
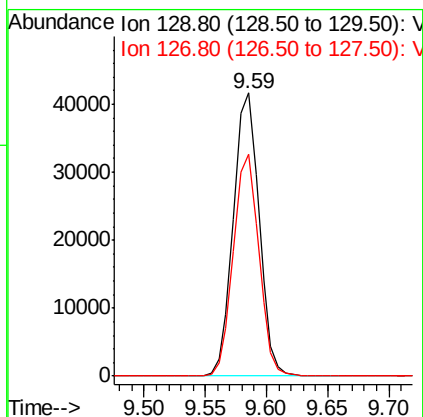
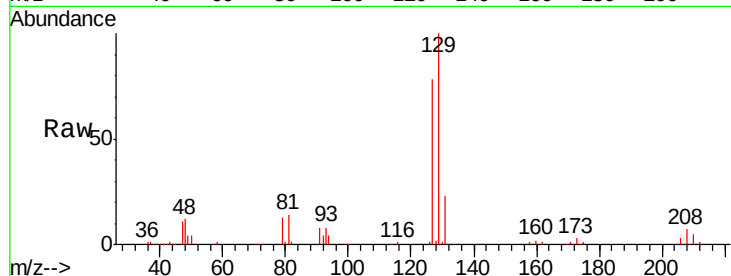
#60
Dibromochloromethane
Concen: 48.78 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion:129 Resp: 60818
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7

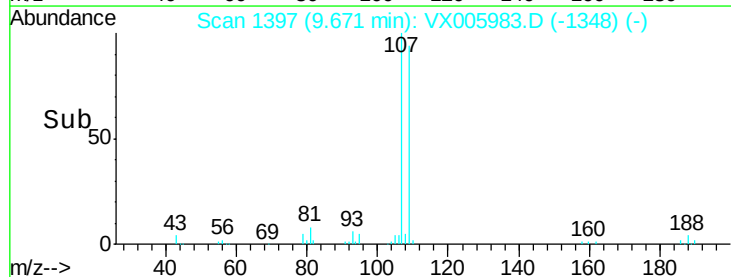
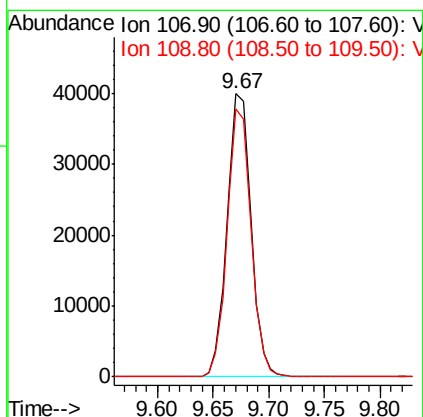
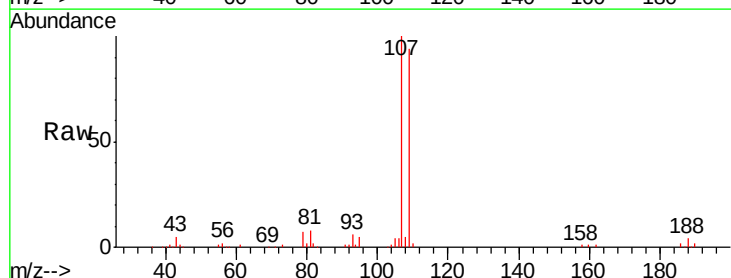
Manual Integrations
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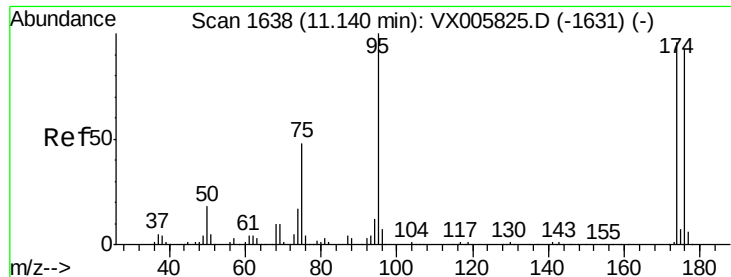
MMDadoda
11/15/2018 1:05:27 PM



#61
1,2-Dibromoethane
Concen: 46.95 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion:107 Resp: 59897
Ion Ratio Lower Upper
107 100
109 94.1 75.7 113.5





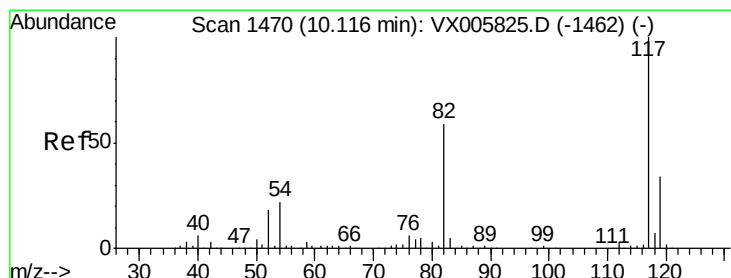
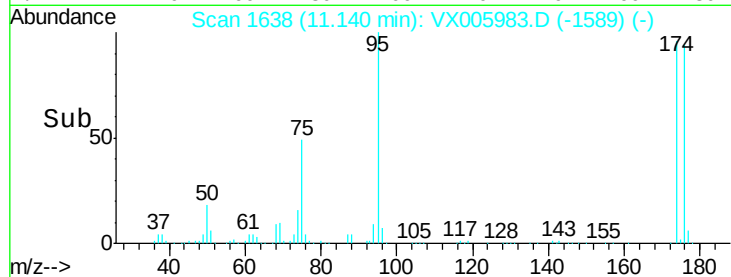
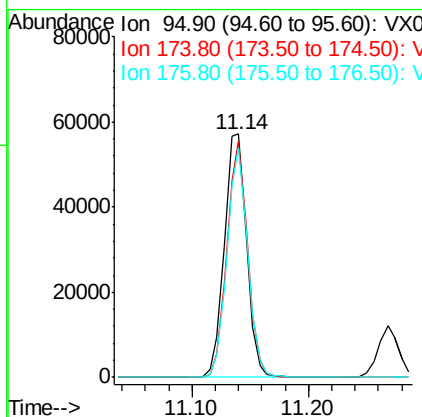
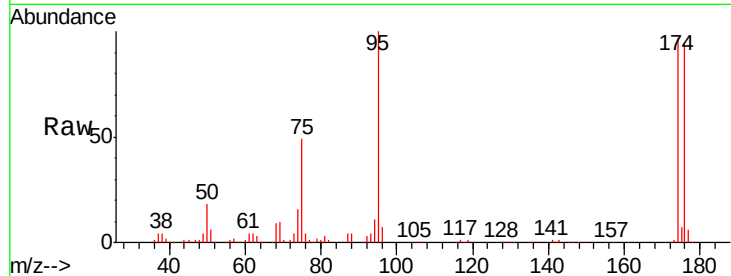
#62
4-Bromofluorobenzene
Concen: 56.55 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	75761		
174	90.6	0.0	184.4	
176	87.8	0.0	177.4	

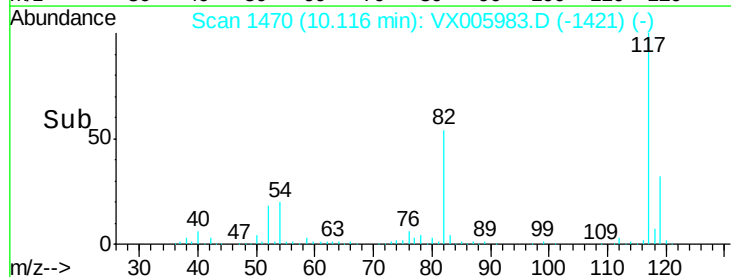
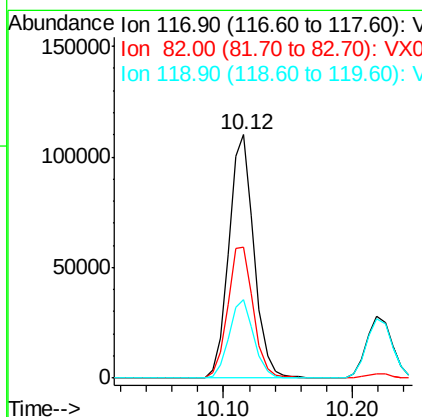
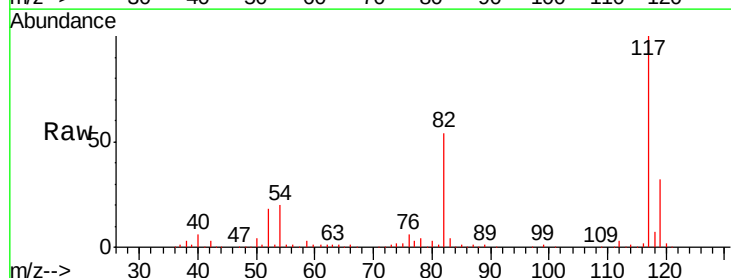
Manual Integrations
APPROVED

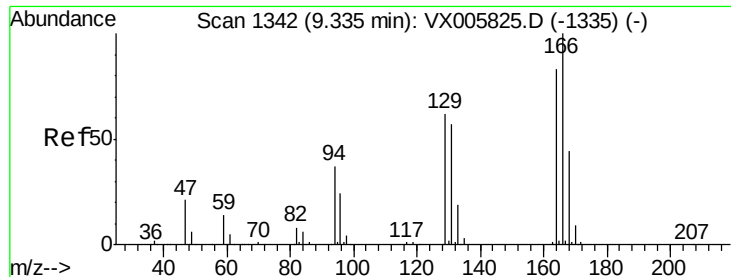
MMDadoda
11/15/2018 1:05:27 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	150344		
82	54.1	44.1	66.1	
119	32.3	26.2	39.2	





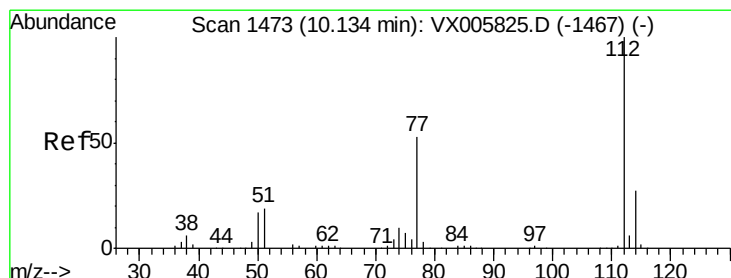
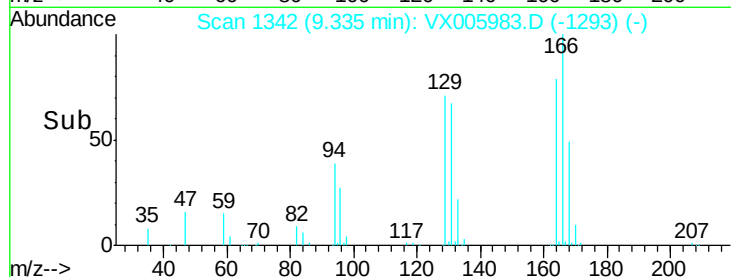
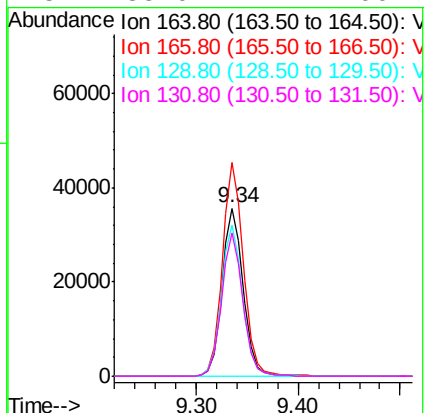
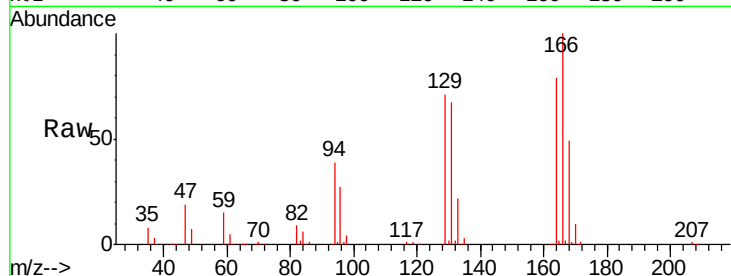
#64
Tetrachloroethene
Concen: 40.16 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.9	152.9
129	89.7	72.6	109.0
131	85.0	71.1	106.7

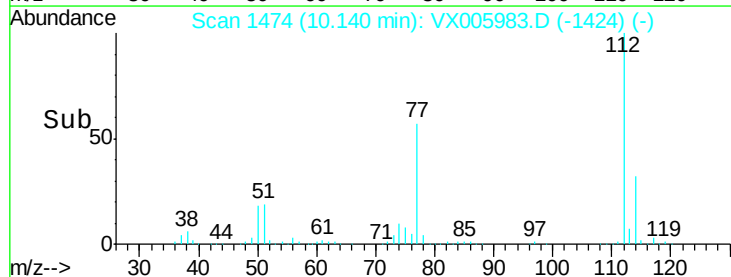
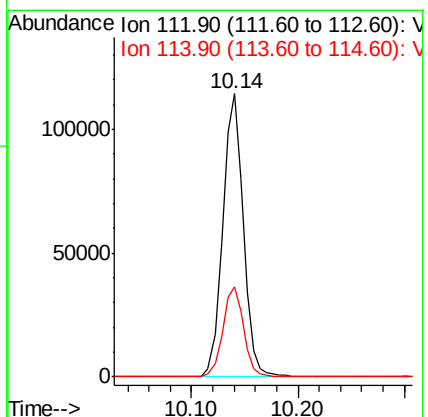
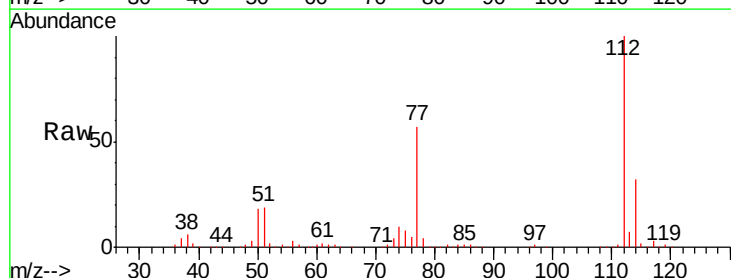
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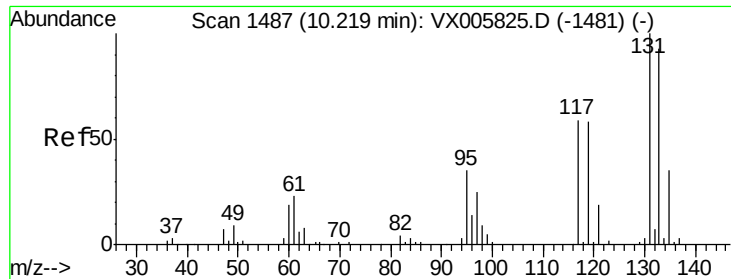
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11/15/2018 1:05:27 PM



#65
Chlorobenzene
Concen: 51.18 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.6





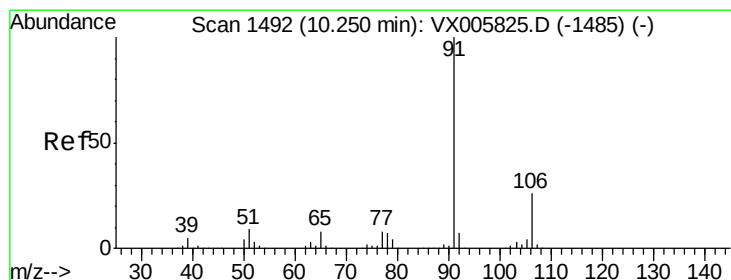
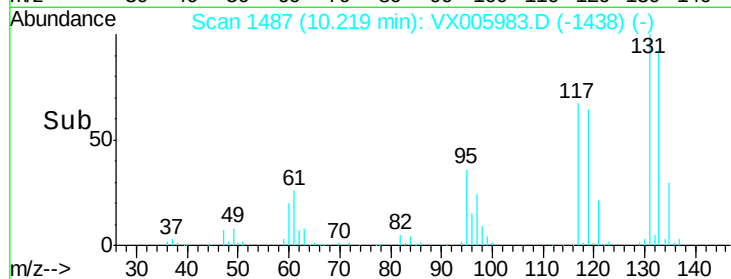
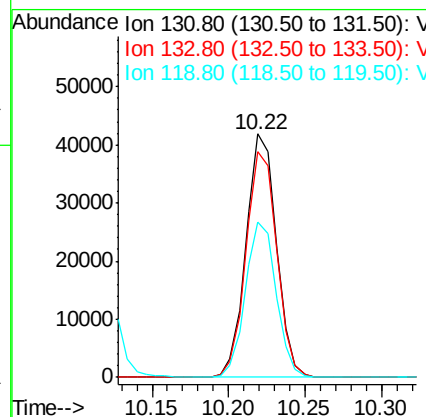
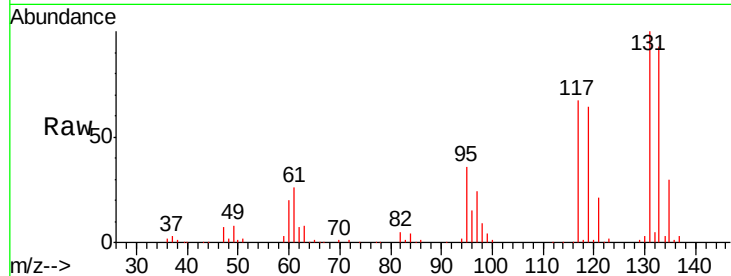
#66
 1,1,1,2-Tetrachloroethane
 Concen: 55.11 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.5	142.5
119	64.6	31.8	95.3

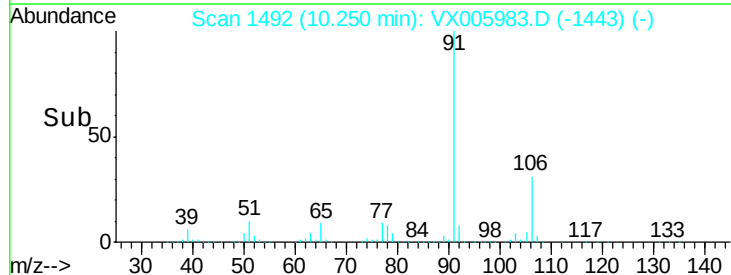
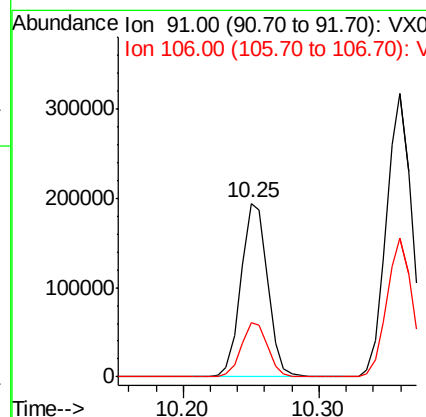
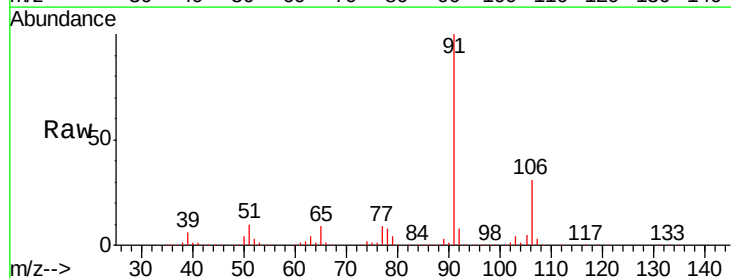
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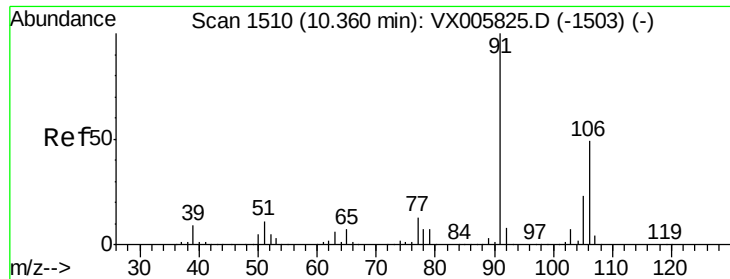
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#67
 Ethyl Benzene
 Concen: 54.75 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.4	36.6





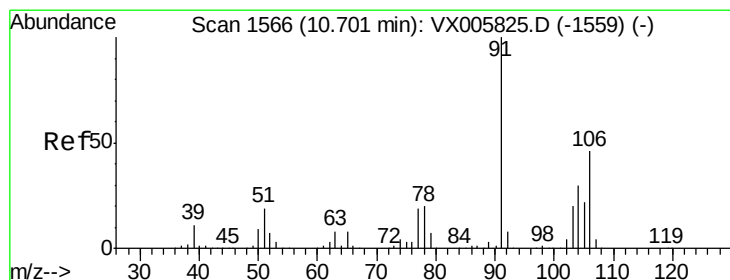
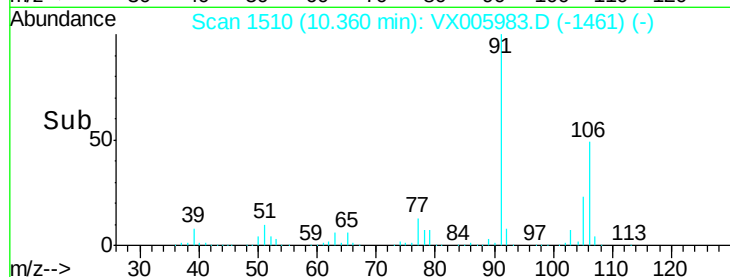
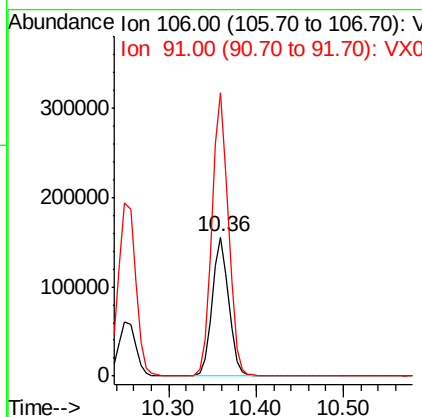
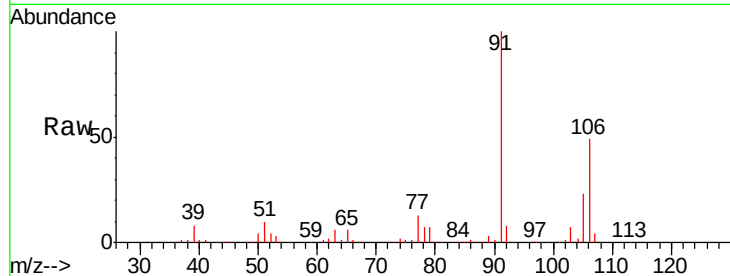
#68
m/p-Xylenes
Concen: 110.51 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion:106 Resp: 203577
Ion Ratio Lower Upper
106 100
91 204.6 164.2 246.4

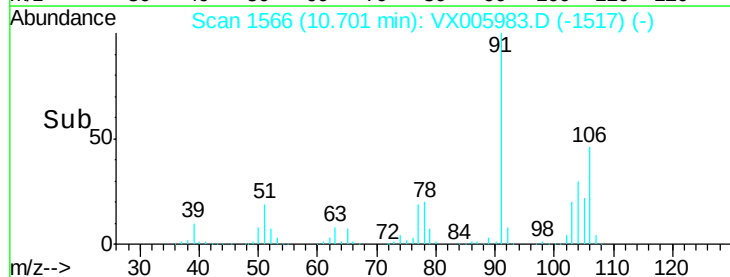
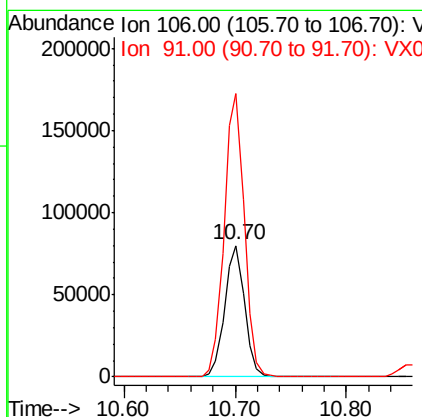
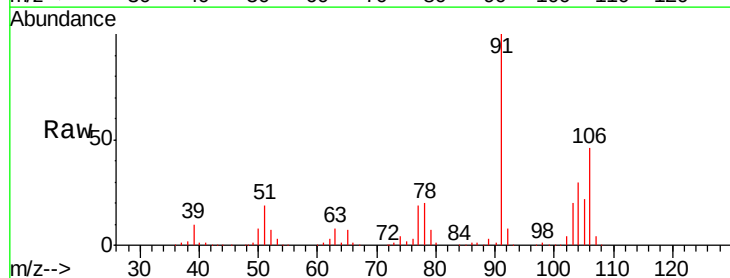
Manual Integrations
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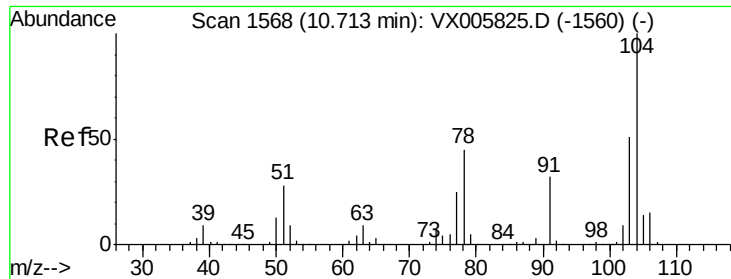
MMDadoda
11/15/2018 1:05:27 PM



#69
o-Xylene
Concen: 59.36 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion:106 Resp: 98061
Ion Ratio Lower Upper
106 100
91 219.2 108.5 325.5





#70

Styrene

Concen: 60.22 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

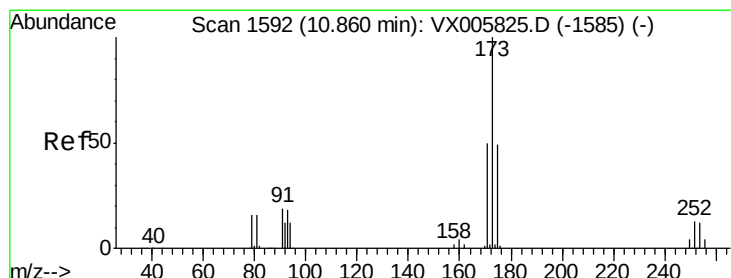
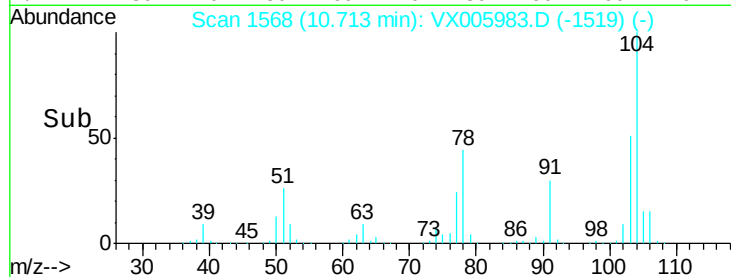
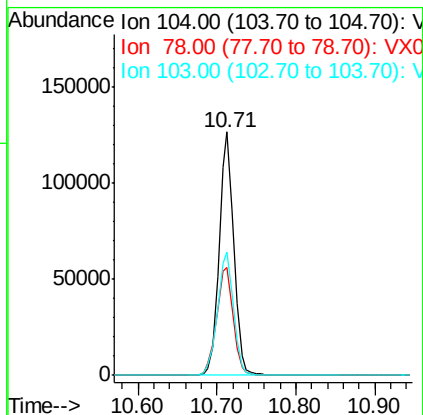
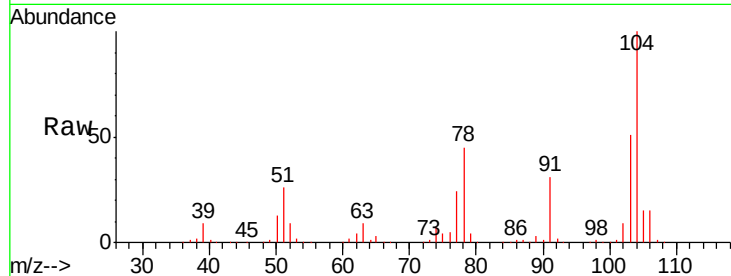
ClientSampleId :

S36-0144MSD

Tgt Ion:	104	Resp:	164108
Ion Ratio	Lower	Upper	
104	100		
78	50.7	40.2	60.4
103	55.8	44.9	67.3

Manual Integrations
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#71

Bromoform

Concen: 57.28 ug/l

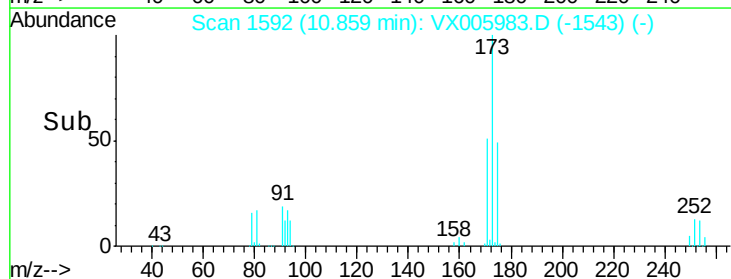
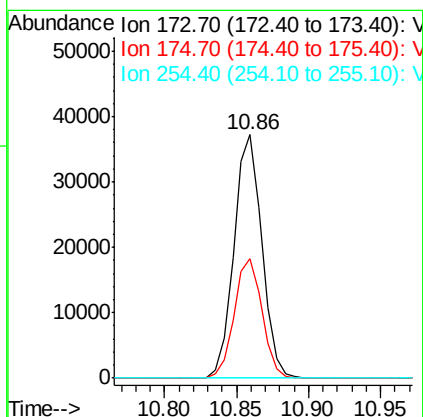
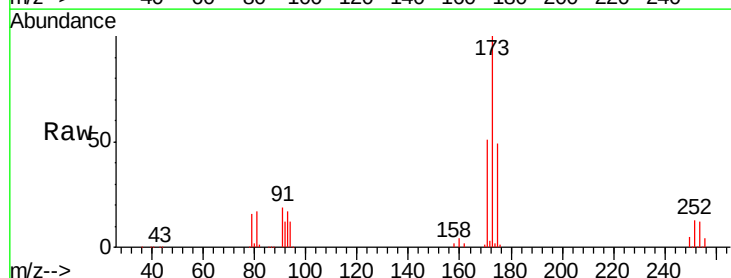
RT: 10.86 min Scan# 1592

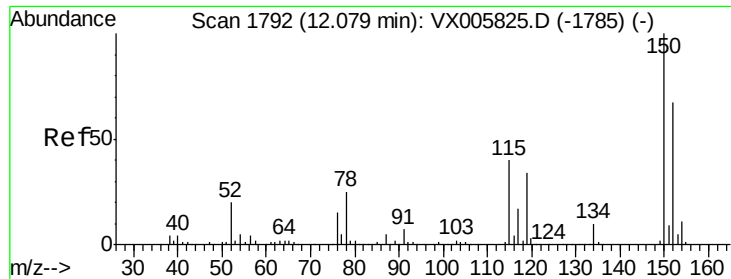
Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Tgt Ion:	173	Resp:	50279
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.8	74.3
254	0.1	0.2	0.2#





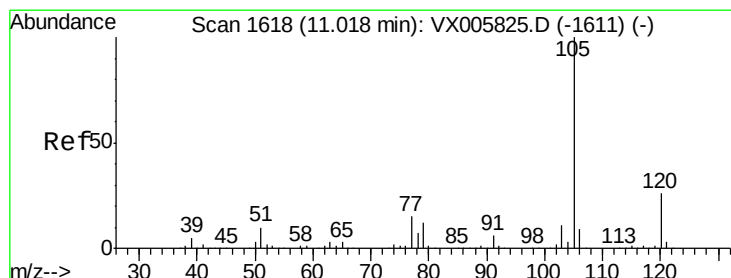
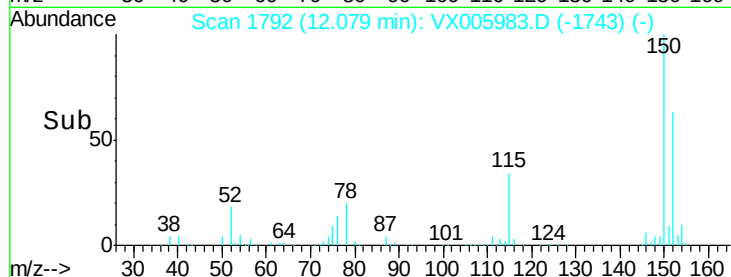
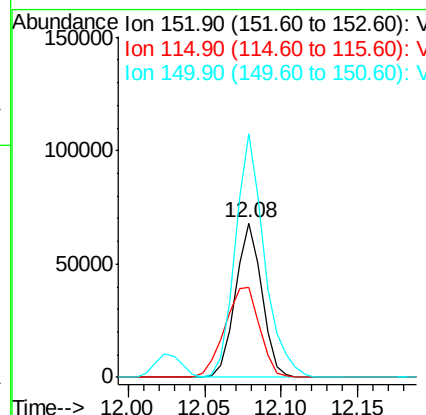
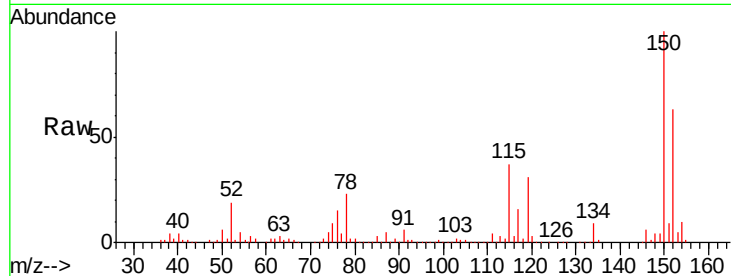
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	81109		
115	77.5	39.4	118.1	
150	173.9	0.0	346.4	

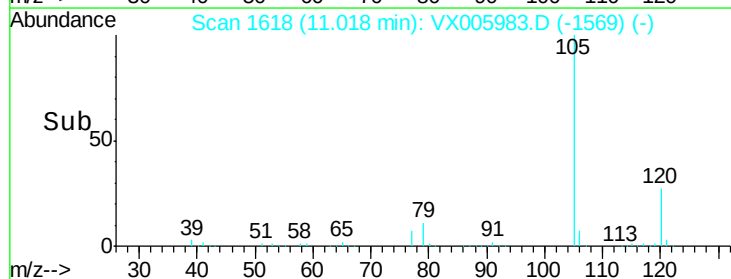
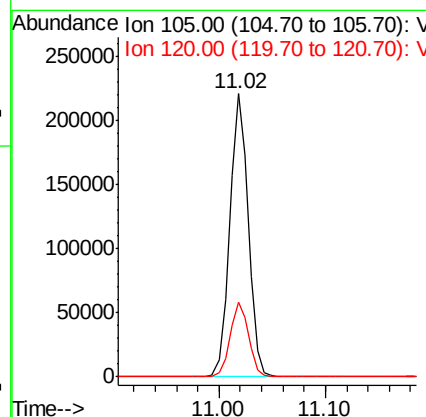
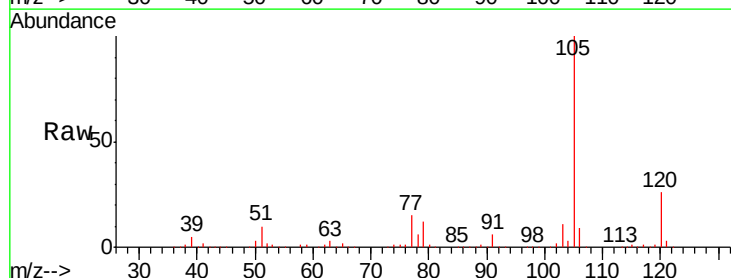
Manual Integrations
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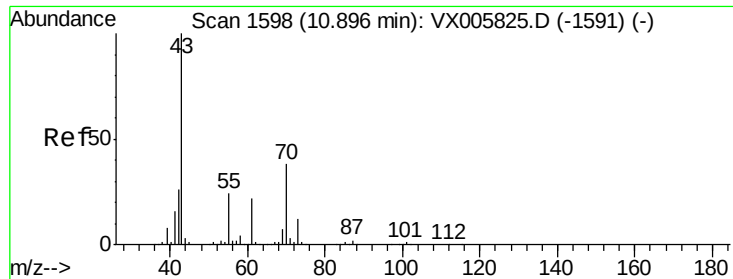
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 11/15/2018 1:05:27 PM



#73
 Isopropylbenzene
 Concen: 57.15 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	268071		
120	26.3	13.1	39.3	





#74

N-ethyl acetate

Concen: 44.78 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

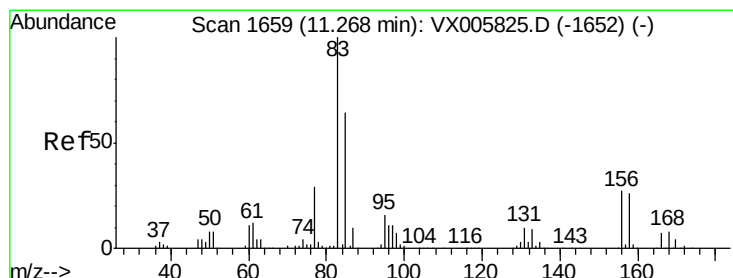
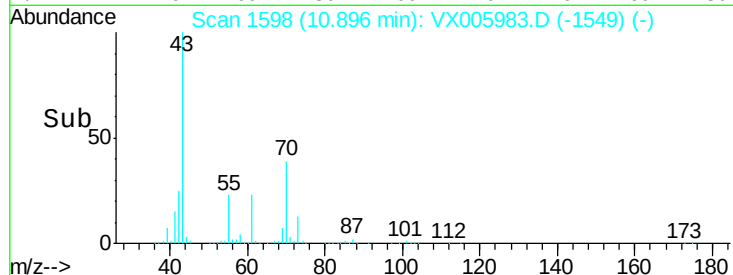
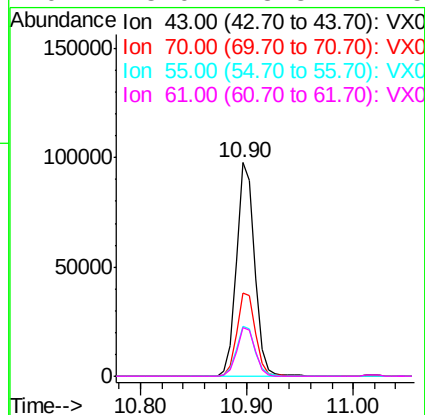
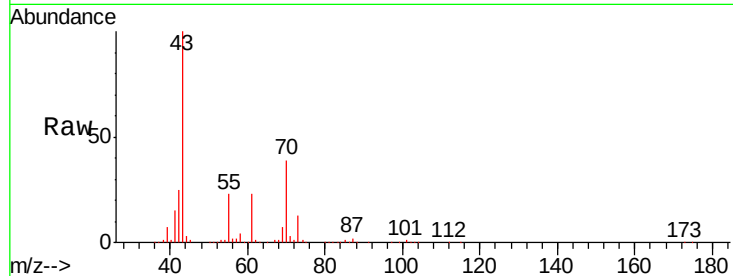
ClientSampleId :

S36-0144MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.6	47.4
55	23.9	19.7	29.5
61	23.0	18.3	27.5

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 56.20 ug/l

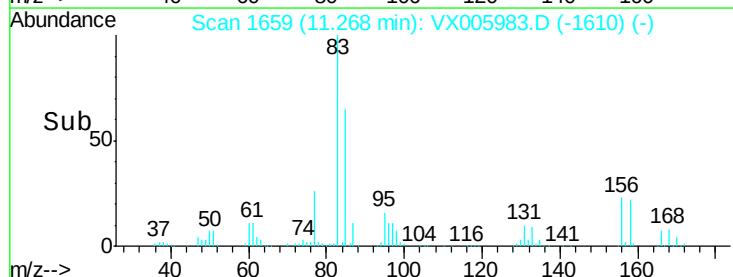
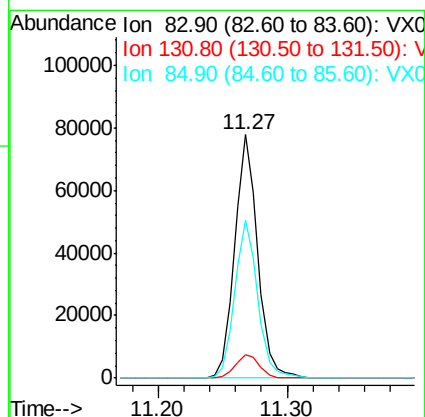
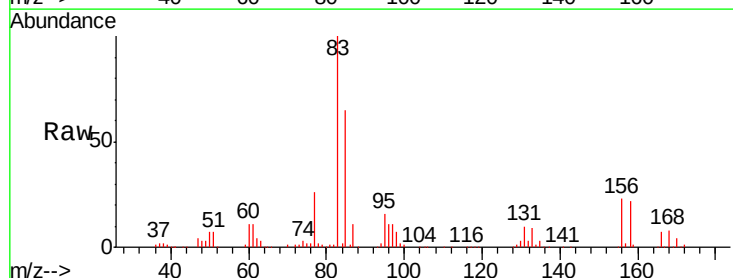
RT: 11.27 min Scan# 1659

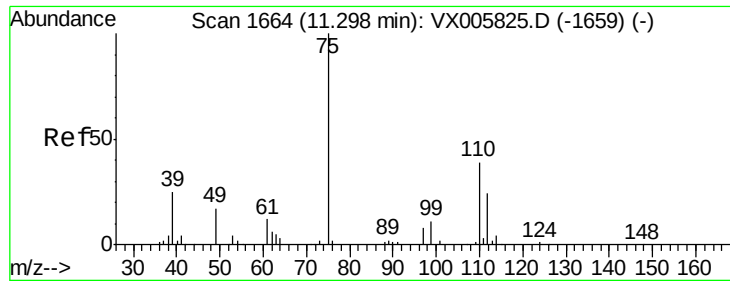
Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	15.9
85	65.0	32.0	96.2





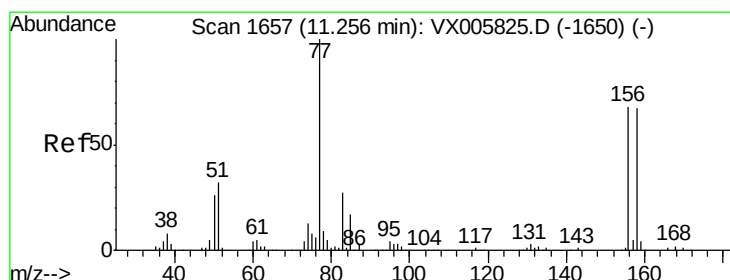
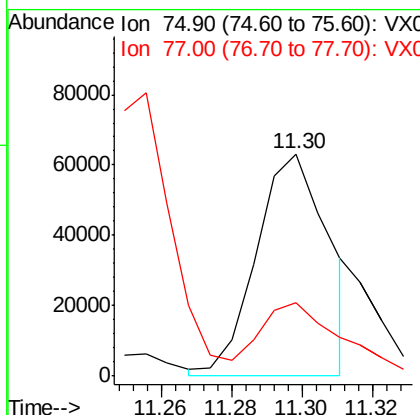
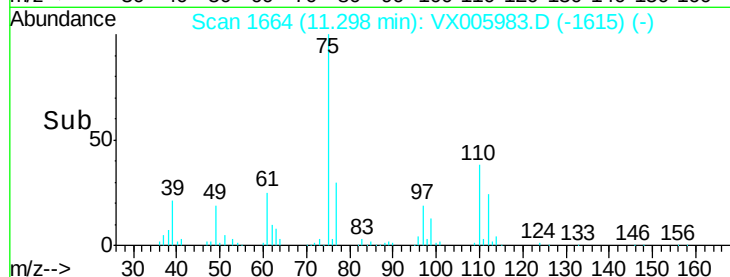
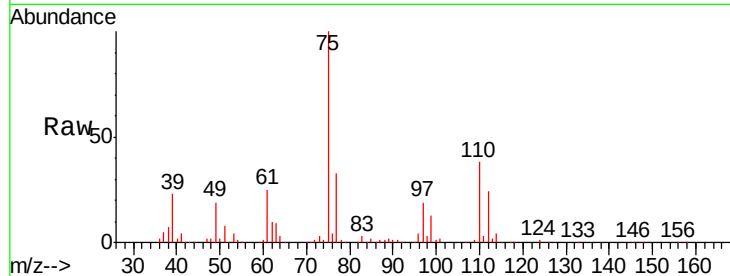
#76
1,2,3-Trichloropropane
Concen: 54.08 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion: 75 Resp: 89319
Ion Ratio Lower Upper
75 100
77 37.9 20.5 61.6

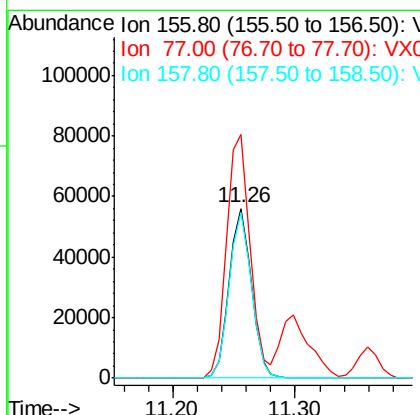
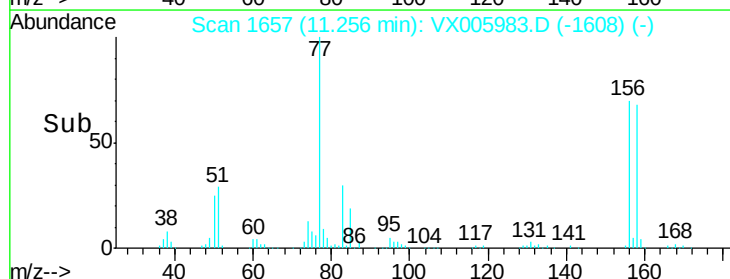
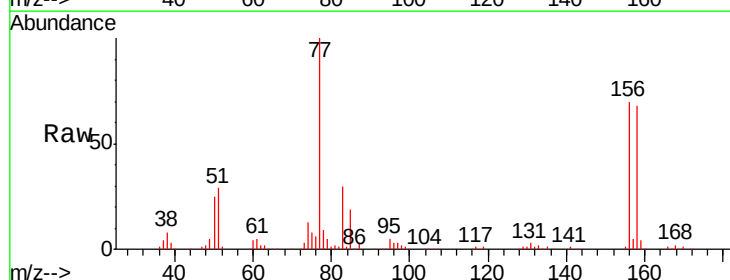
Manual Integrations
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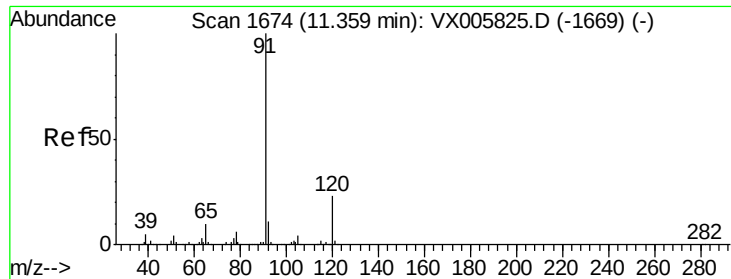
MMDadoda
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#77
Bromobenzene
Concen: 53.67 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 156 Resp: 70955
Ion Ratio Lower Upper
156 100
77 151.0 74.8 224.4
158 97.5 49.1 147.3





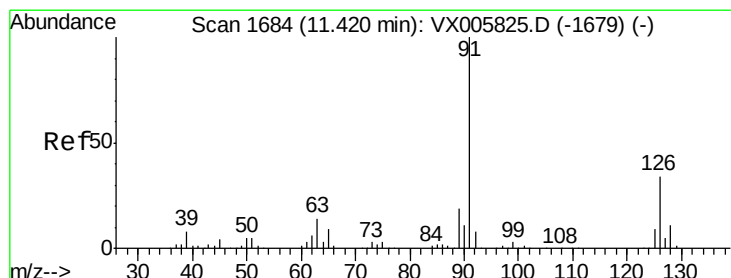
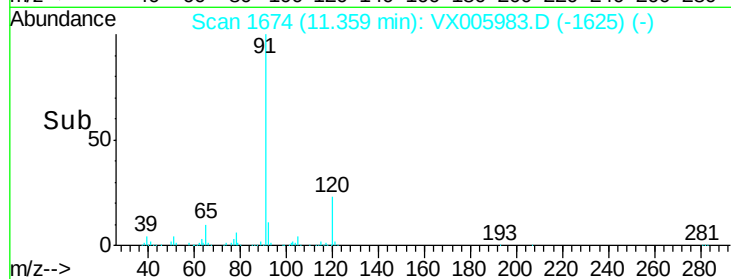
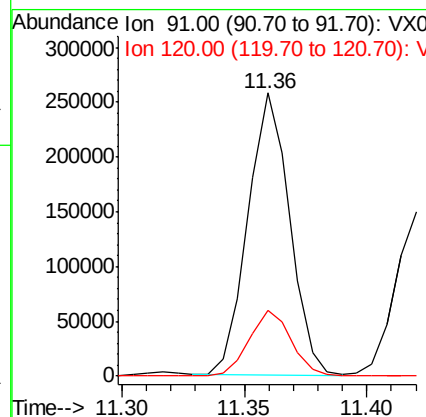
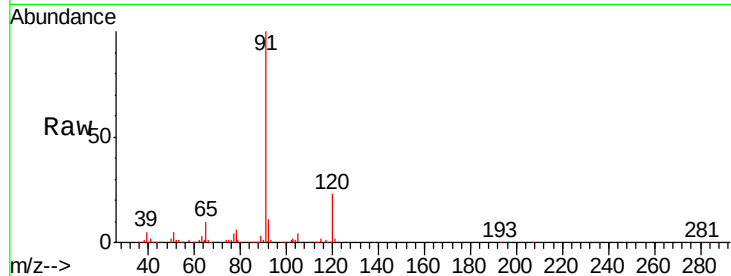
#78
n-propylbenzene
Concen: 55.29 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion: 91 Resp: 305656
Ion Ratio Lower Upper
91 100
120 23.3 11.9 35.5

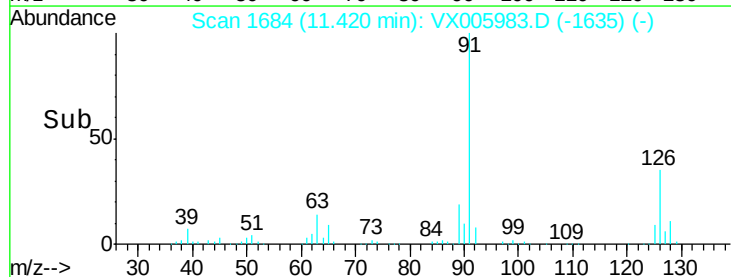
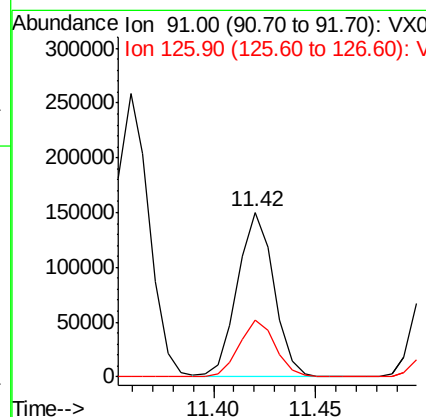
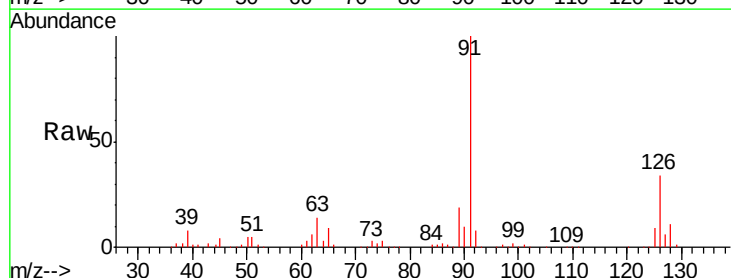
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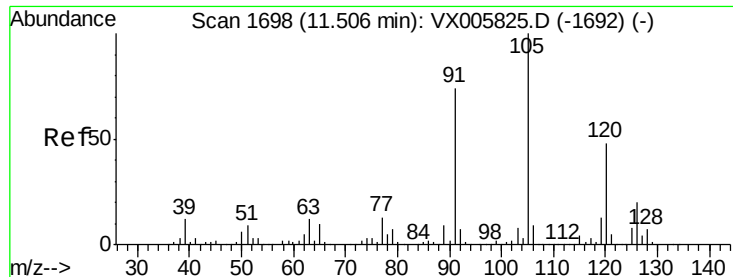
MMDadoda
11/15/2018 1:05:27 PM



#79
2-Chlorotoluene
Concen: 55.31 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 91 Resp: 184807
Ion Ratio Lower Upper
91 100
126 34.4 17.3 52.0





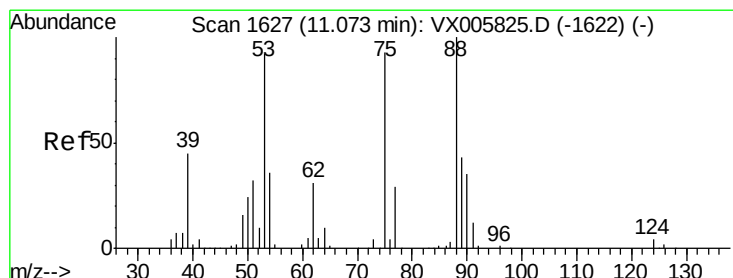
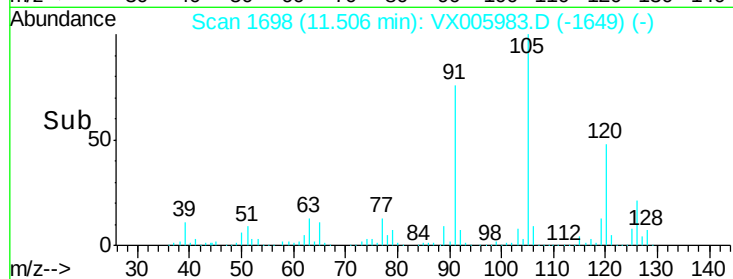
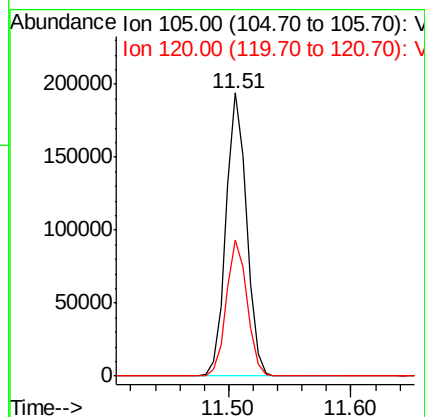
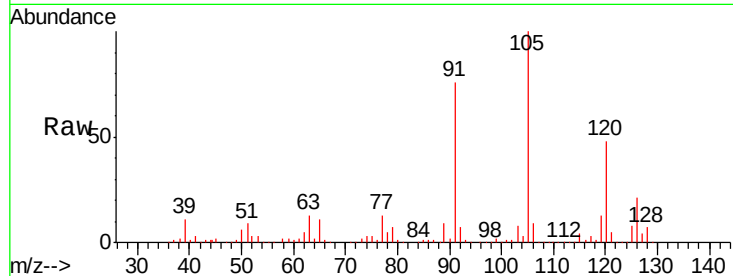
#80
 1,3,5-Trimethylbenzene
 Concen: 56.72 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tgt Ion: 105 Resp: 226079
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.2

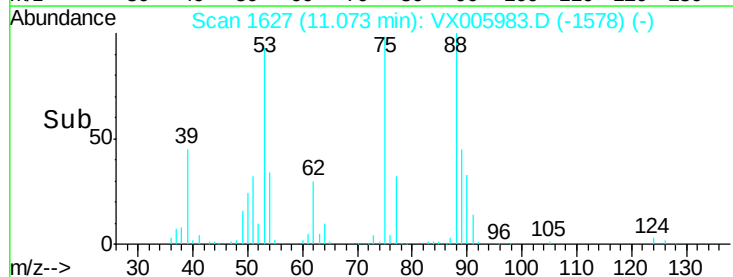
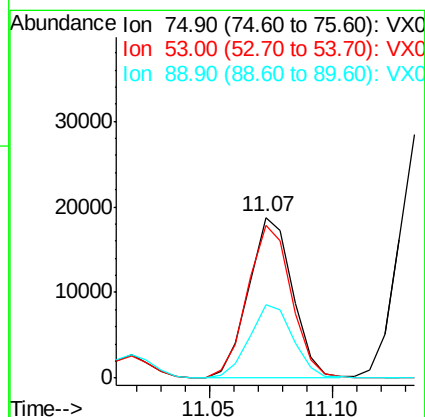
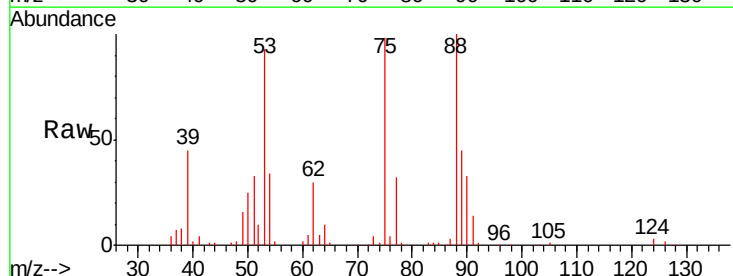
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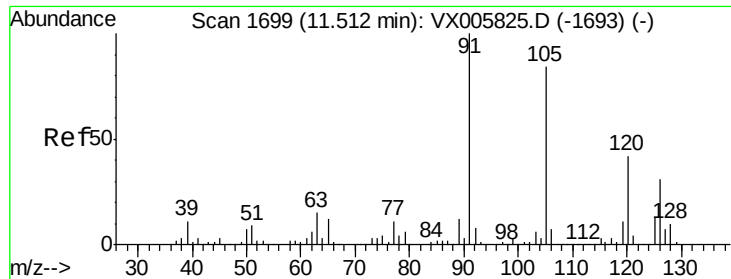
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.27 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion: 75 Resp: 23457
 Ion Ratio Lower Upper
 75 100
 53 95.5 80.2 120.2
 89 45.6 39.8 59.8





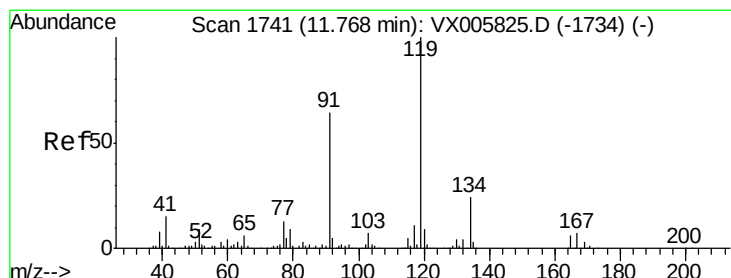
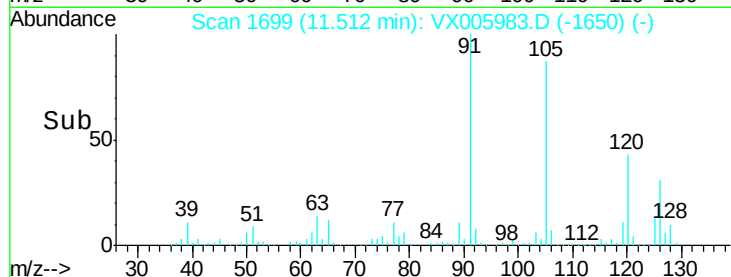
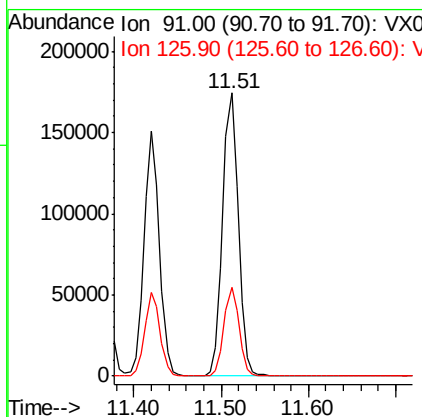
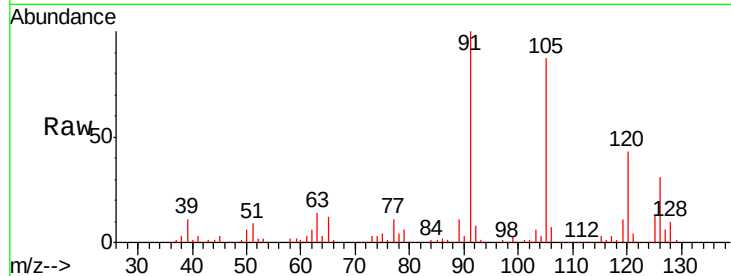
#82
4-Chlorotoluene
Concen: 54.94 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion: 91 Resp: 216326
Ion Ratio Lower Upper
91 100
126 30.2 15.2 45.6

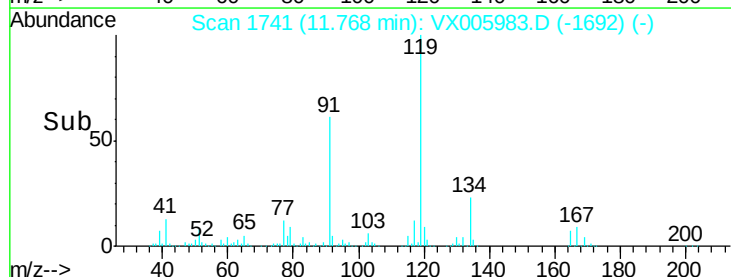
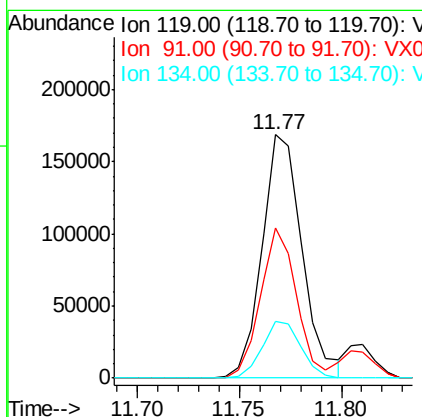
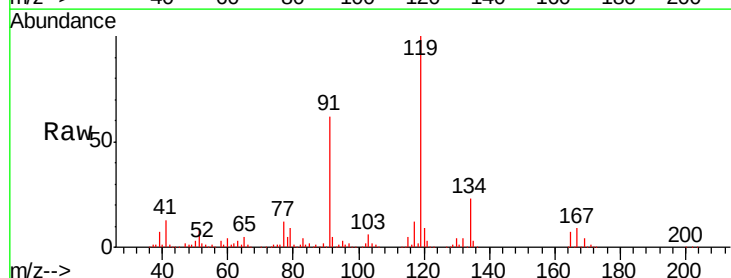
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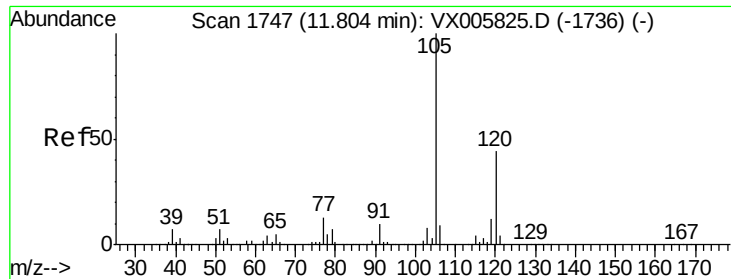
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#83
tert-Butylbenzene
Concen: 57.20 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion: 119 Resp: 230657
Ion Ratio Lower Upper
119 100
91 55.6 28.5 85.5
134 22.5 11.3 33.8





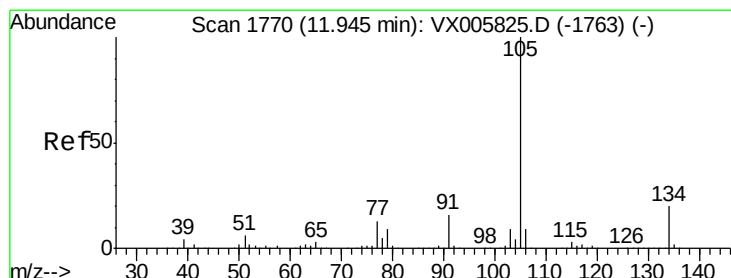
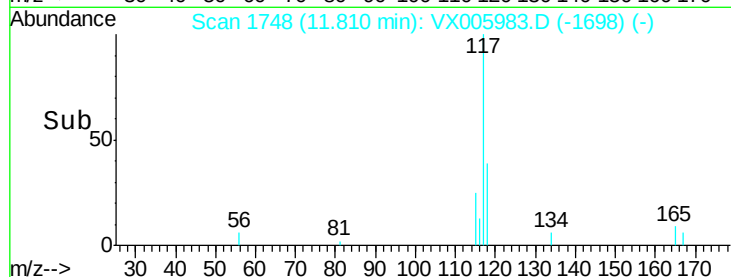
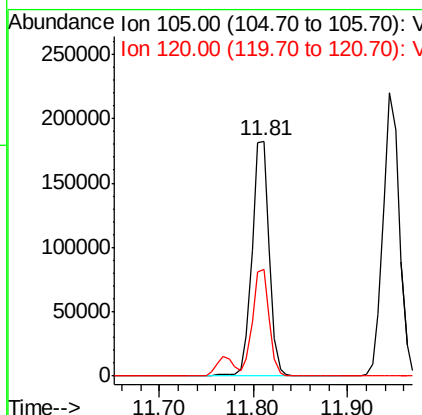
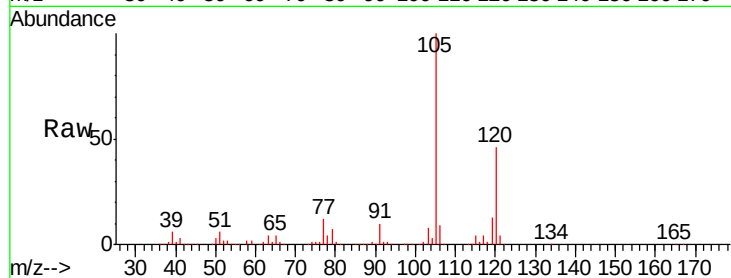
#84
 1,2,4-Trimethylbenzene
 Concen: 52.98 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tgt Ion:105 Resp: 233018
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.0

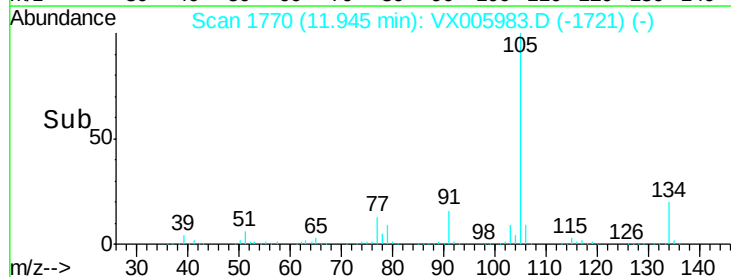
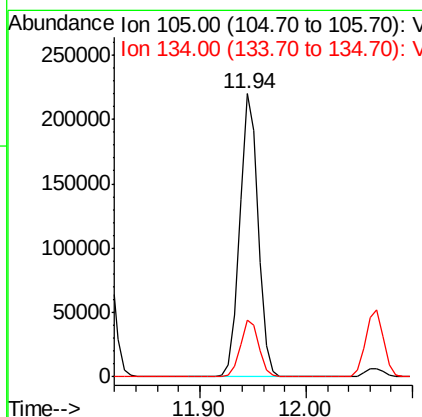
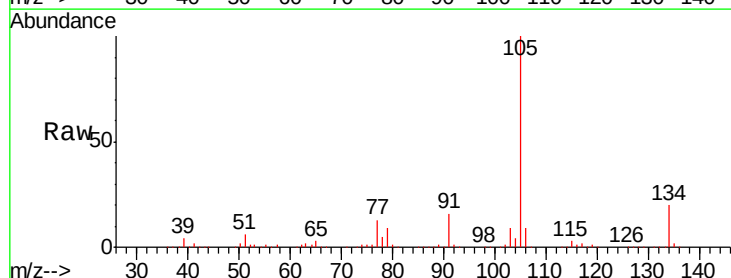
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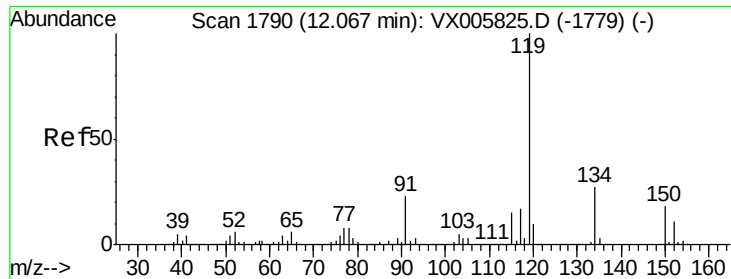
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#85
 sec-Butylbenzene
 Concen: 54.02 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion:105 Resp: 266365
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4





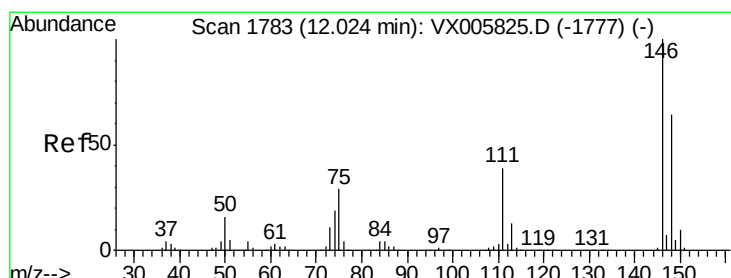
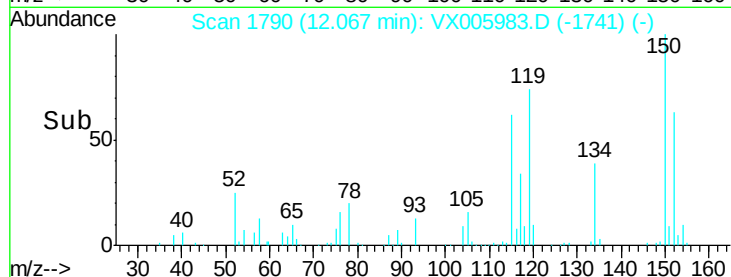
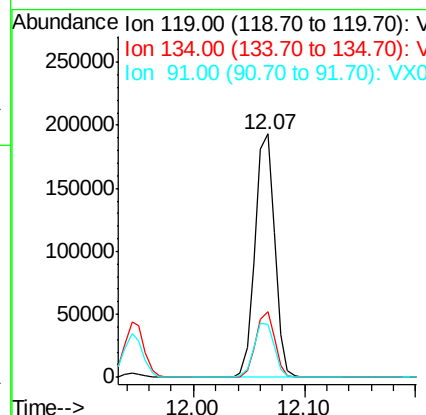
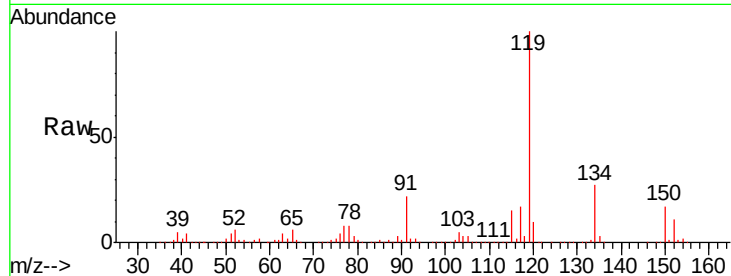
#86
p-Isopropyltoluene
Concen: 54.42 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	237683		
134	26.4	13.0	39.0	
91	22.9	11.4	34.2	

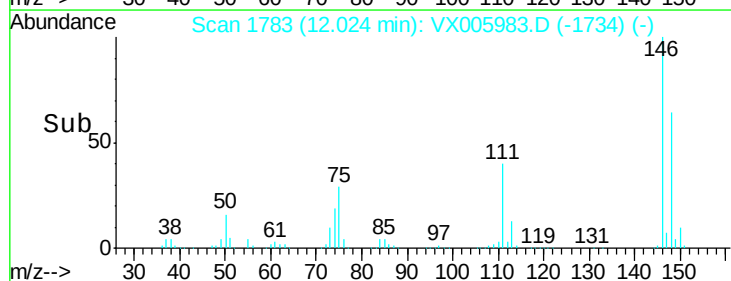
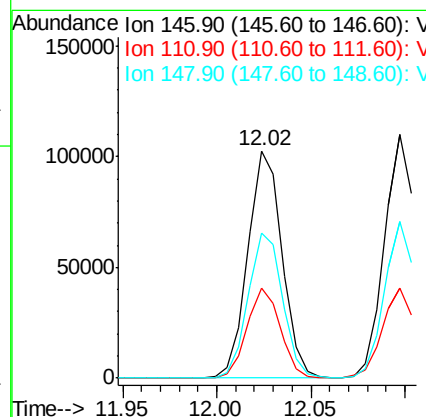
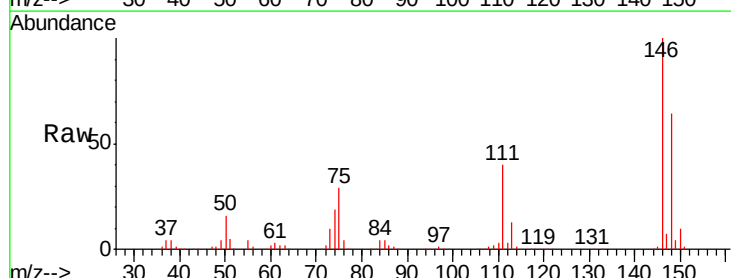
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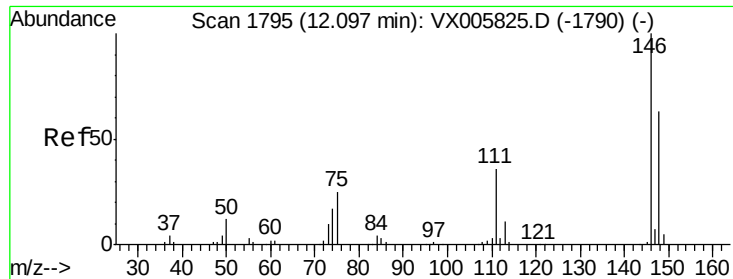
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#87
1,3-Dichlorobenzene
Concen: 50.84 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	129002		
111	38.8	19.0	57.0	
148	64.4	31.9	95.9	





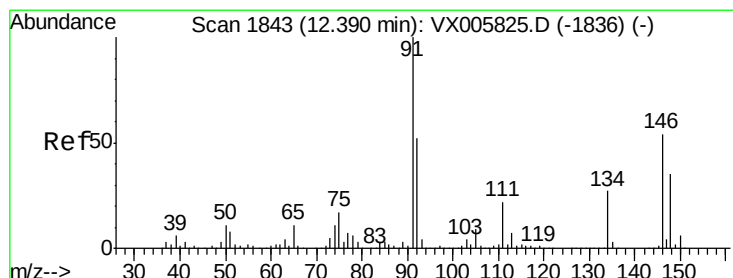
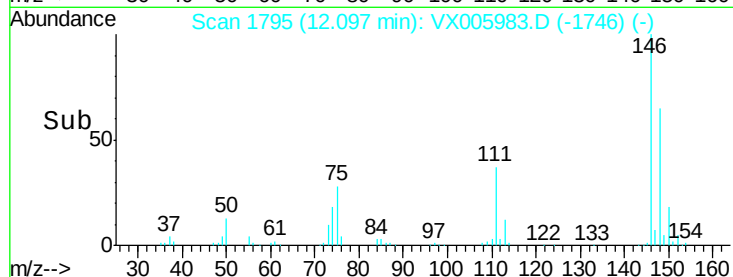
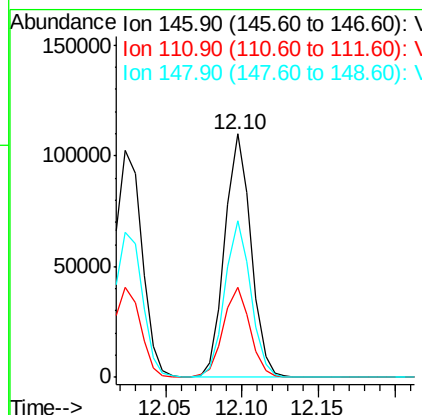
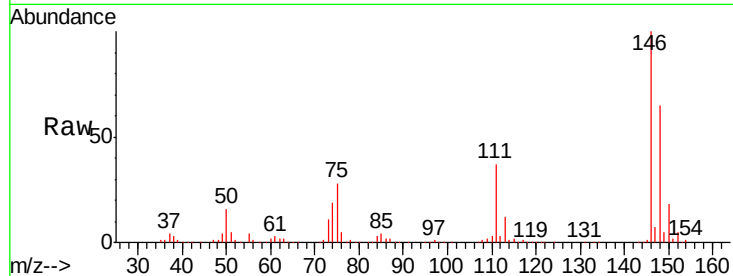
#88
 1,4-Dichlorobenzene
 Concen: 50.44 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.0	32.1	96.3

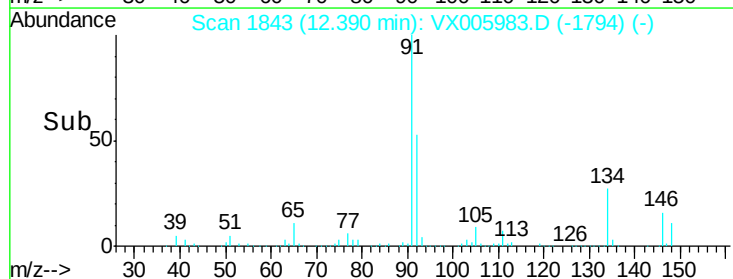
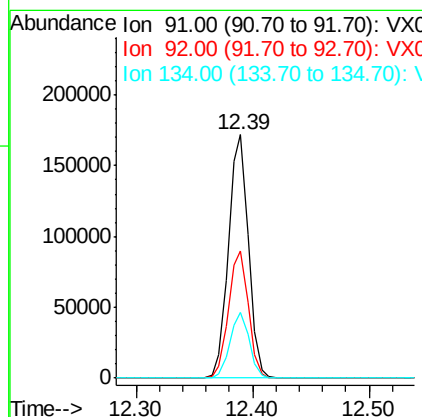
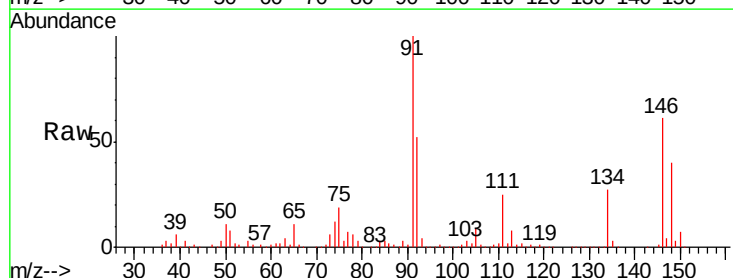
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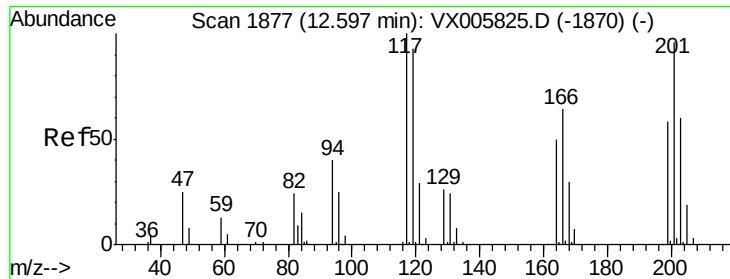
MMDadoda
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#89
 n-Butylbenzene
 Concen: 50.15 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.2
134	26.3	13.1	39.3





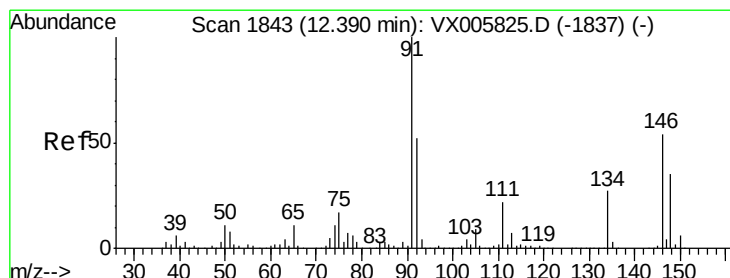
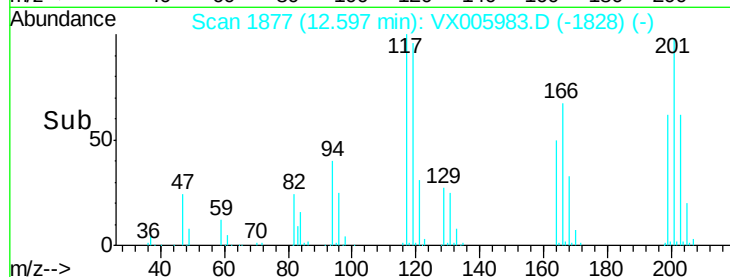
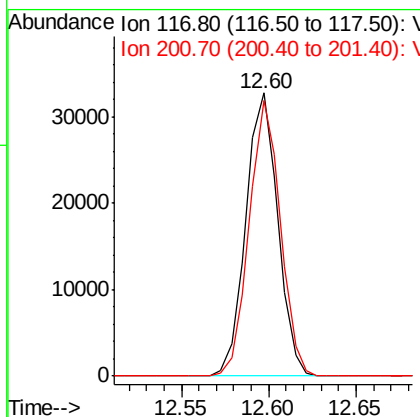
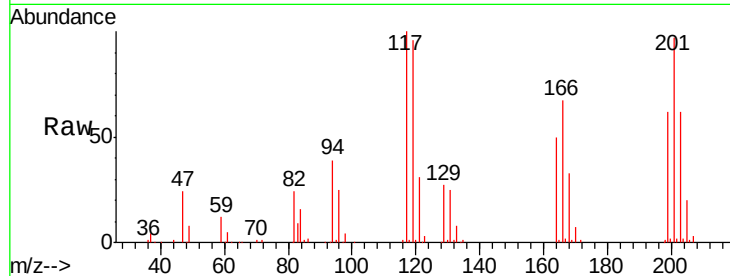
#90
Hexachloroethane
Concen: 56.92 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MSD

Tgt Ion:117 Resp: 41506
Ion Ratio Lower Upper
117 100
201 95.2 47.9 143.6

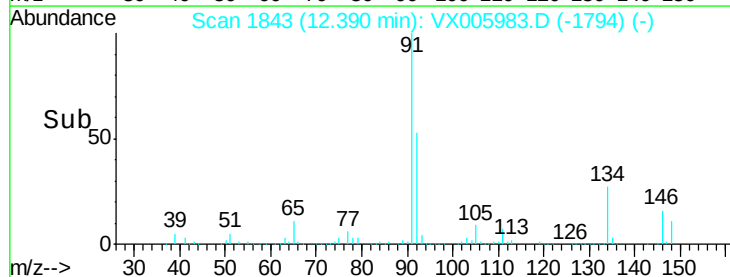
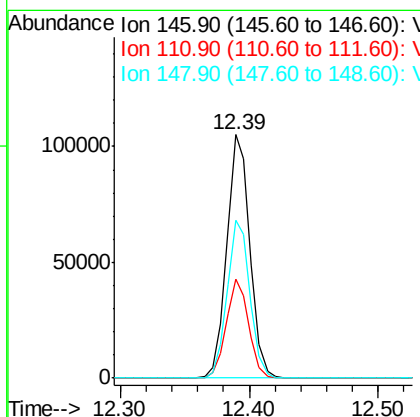
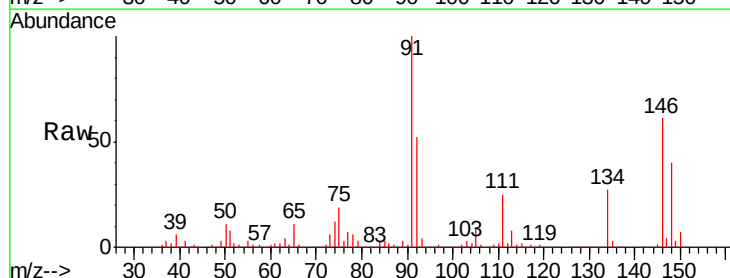
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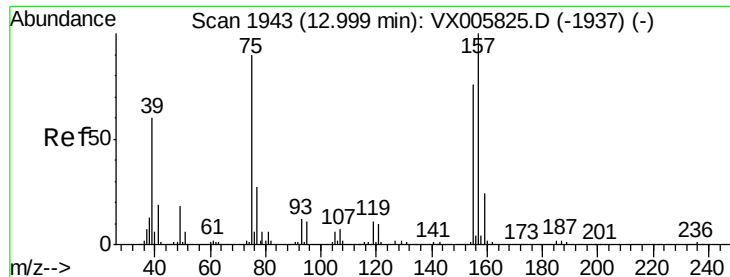
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#91
1,2-Dichlorobenzene
Concen: 51.93 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005983.D
Acq: 14 Nov 2018 19:15

Tgt Ion:146 Resp: 131991
Ion Ratio Lower Upper
146 100
111 39.8 20.0 59.9
148 64.4 32.2 96.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 56.12 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MSD

Tgt Ion: 75 Resp: 23577
Ion Ratio Lower Upper

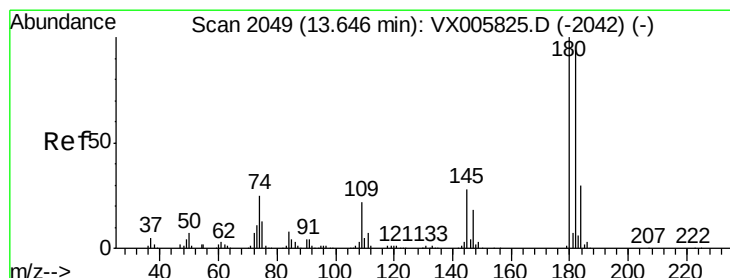
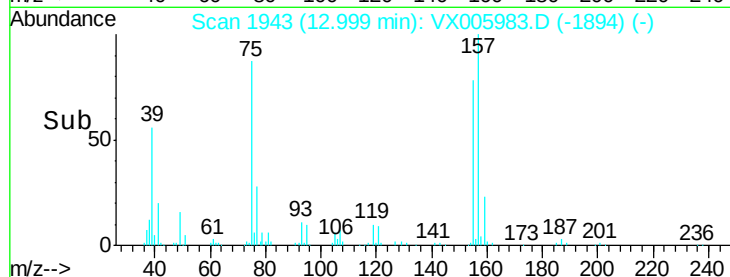
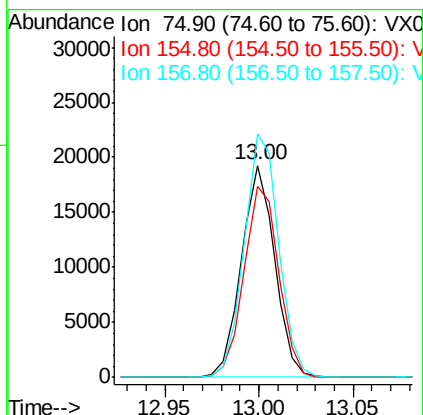
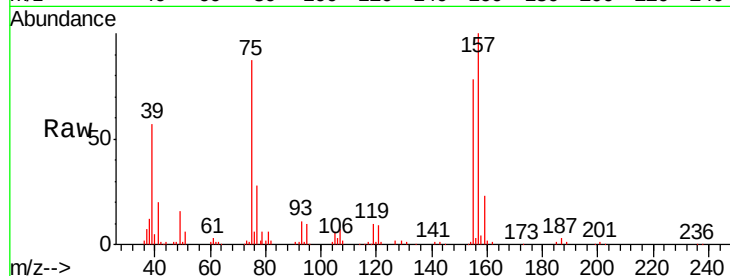
75 100

155 94.4 45.4 136.1

157 119.0 57.4 172.0

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#93

1,2,4-Trichlorobenzene

Concen: 54.17 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX005983.D

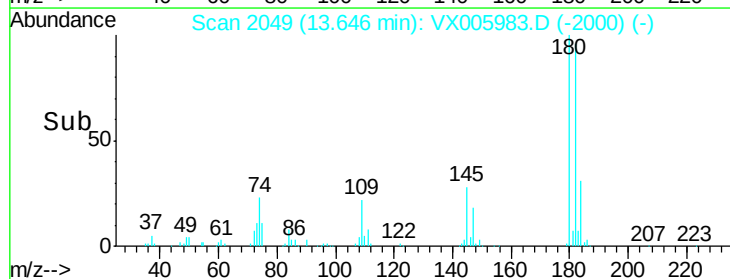
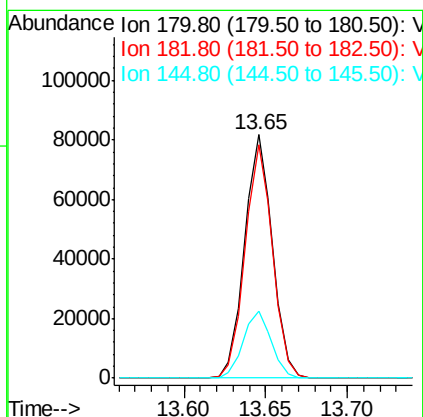
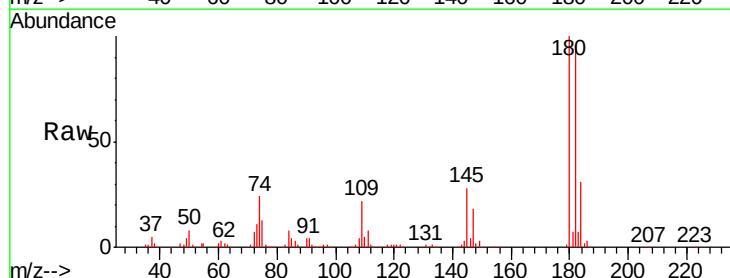
Acq: 14 Nov 2018 19:15

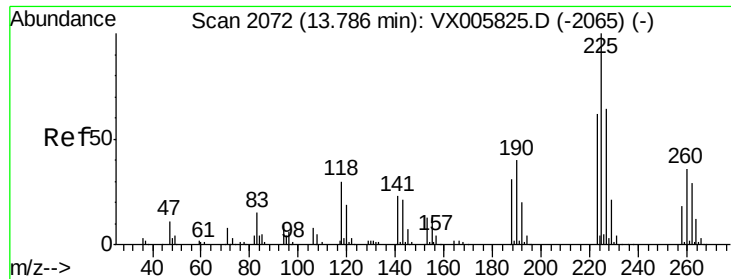
Tgt Ion: 180 Resp: 96922
Ion Ratio Lower Upper

180 100

182 94.9 47.6 142.8

145 27.7 14.1 42.2





#94

Hexachlorobutadiene

Concen: 45.53 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Instrument :

MSVOA_X

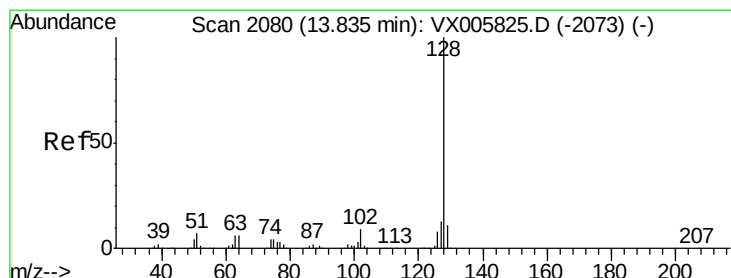
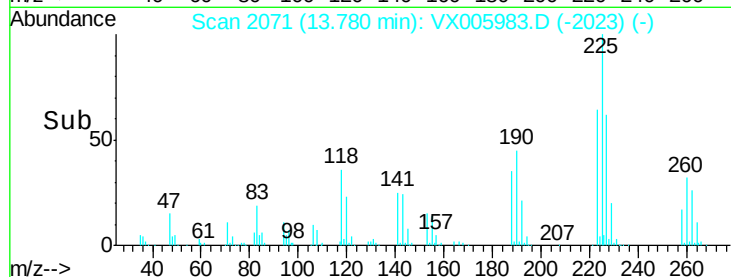
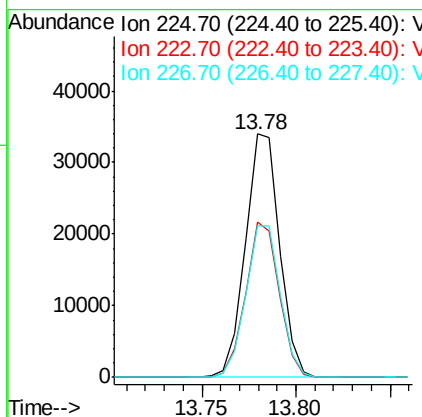
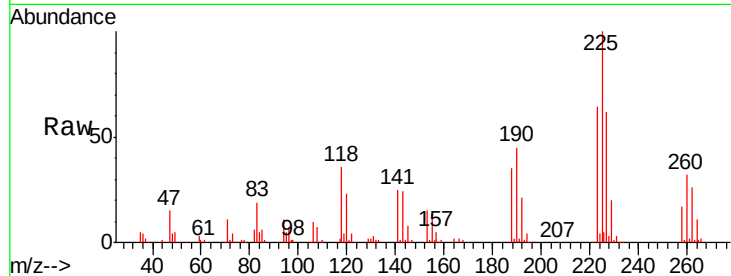
ClientSampleId :

S36-0144MSD

Tgt Ion:	225	Resp:	42792
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.7	95.1
227	63.1	32.3	96.9

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#95

Naphthalene

Concen: 54.11 ug/l

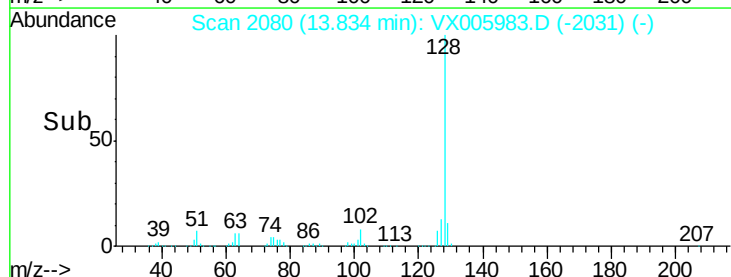
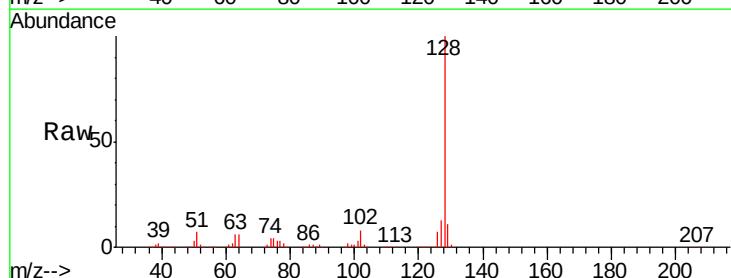
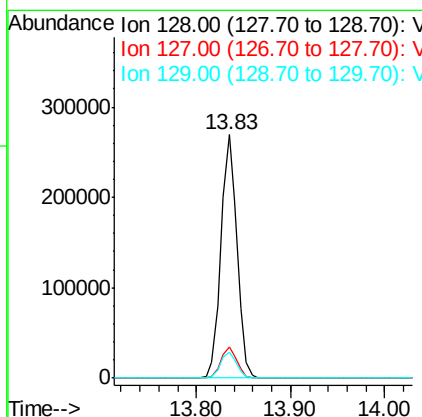
RT: 13.83 min Scan# 2080

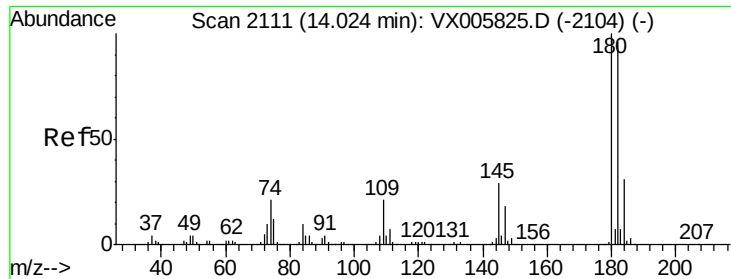
Delta R.T. 0.00 min

Lab File: VX005983.D

Acq: 14 Nov 2018 19:15

Tgt Ion:	128	Resp:	316328
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 55.04 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.01 min
 Lab File: VX005983.D
 Acq: 14 Nov 2018 19:15

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.2	48.0	144.2
145	29.7	15.1	45.3

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 1:05:27 PM

