

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042419\
 Data File : VX009137.D
 Acq On : 24 Apr 2019 12:04
 Operator : JC/SP
 Sample : VX0424WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 12:34:16 PM

Quant Time: Apr 25 05:45:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	203658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	324911	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	284736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	134394	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	141994	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
35) Dibromofluoromethane	5.49	113	105452	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	8.71	98	412286	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	11.13	95	148479	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49811	21.235	ug/l	98
3) Chloromethane	1.32	50	58706	20.385	ug/l	97
4) Vinyl Chloride	1.41	62	59411	21.196	ug/l	99
5) Bromomethane	1.64	94	34089	21.775	ug/l	98
6) Chloroethane	1.72	64	34884	21.165	ug/l	95
7) Trichlorofluoromethane	1.93	101	68518	20.937	ug/l	99
8) Diethyl Ether	2.18	74	31065	20.757	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	44570	21.301	ug/l	98
10) Methyl Iodide	2.51	142	38446	19.736	ug/l	99
11) Tert butyl alcohol	3.04	59	66487	104.361	ug/l	100
12) 1,1-Dichloroethene	2.37	96	44584	20.414	ug/l	97
13) Acrolein	2.29	56	35027	63.631	ug/l	99
14) Allyl chloride	2.73	41	102385	21.488	ug/l	98
15) Acrylonitrile	3.14	53	169937	105.078	ug/l	99
16) Acetone	2.44	43	155309	104.348	ug/l	98
17) Carbon Disulfide	2.57	76	129111	20.866	ug/l	99
18) Methyl Acetate	2.77	43	77682	20.912	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	164799	21.177	ug/l	98
20) Methylene Chloride	2.85	84	51624	20.282	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	47935	20.577	ug/l	99
22) Diisopropyl ether	3.85	45	204231	22.058	ug/l	94
23) Vinyl Acetate	3.81	43	898803	110.433	ug/l	99
24) 1,1-Dichloroethane	3.69	63	98015	21.089	ug/l	100
25) 2-Butanone	4.67	43	255117	107.234	ug/l	98
26) 2,2-Dichloropropane	4.58	77	71528	20.531	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	54867	20.745	ug/l	99
28) Bromochloromethane	5.01	49	39414	19.229	ug/l	98
29) Tetrahydrofuran	5.13	42	169267	106.300	ug/l	99
30) Chloroform	5.21	83	88977	21.393	ug/l	98
31) Cyclohexane	5.57	56	98428	21.531	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	71513	20.746	ug/l	97
36) 1,1-Dichloropropene	5.79	75	69667	20.732	ug/l	99
37) Ethyl Acetate	4.83	43	97392	22.524	ug/l	100
38) Carbon Tetrachloride	5.78	117	60857	21.363	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	89247	21.814	ug/l	100
40) Benzene	6.14	78	212654	21.452	ug/l	100
41) Methacrylonitrile	5.04	41	54948	22.142	ug/l	100
42) 1,2-Dichloroethane	6.19	62	75253	21.430	ug/l	99
43) Isopropyl Acetate	6.44	43	150341	21.576	ug/l	99
44) Trichloroethene	7.21	130	49772	20.492	ug/l	96
45) 1,2-Dichloropropane	7.51	63	60413	21.967	ug/l	97
46) Dibromomethane	7.66	93	34169	21.349	ug/l	99
47) Bromodichloromethane	7.90	83	66967	21.333	ug/l	98
48) Methyl methacrylate	7.77	41	75152	21.828	ug/l	99
49) 1,4-Dioxane	7.74	88	26285	407.889	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	489303	110.225	ug/l	99
52) Toluene	8.78	92	127530	21.466	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	77371	21.416	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	86399	21.358	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	51721	21.966	ug/l	98
56) Ethyl methacrylate	9.18	69	91487	21.669	ug/l	98
57) 1,3-Dichloropropane	9.37	76	91680	21.868	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	226733	99.725	ug/l	99
59) 2-Hexanone	9.49	43	371938	108.675	ug/l	100
60) Dibromochloromethane	9.58	129	49351	21.869	ug/l	98
61) 1,2-Dibromoethane	9.67	107	51916	21.363	ug/l	98
64) Tetrachloroethene	9.34	164	46929	21.695	ug/l	95
65) Chlorobenzene	10.13	112	127656	21.241	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	45970	21.712	ug/l	99
67) Ethyl Benzene	10.25	91	237196	21.590	ug/l	100
68) m/p-Xylenes	10.36	106	171116	42.856	ug/l	99
69) o-Xylene	10.69	106	80945	20.835	ug/l	96
70) Styrene	10.71	104	142978	21.237	ug/l	99
71) Bromoform	10.85	173	35498	21.045	ug/l #	100
73) Isopropylbenzene	11.02	105	223127	21.903	ug/l	99
74) N-amyl acetate	10.90	43	126713	21.664	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	81092	21.787	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	71807m	21.881	ug/l	
77) Bromobenzene	11.26	156	53774	20.922	ug/l	99
78) n-propylbenzene	11.36	91	259000	22.151	ug/l	100
79) 2-Chlorotoluene	11.42	91	152130	21.592	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	190441	22.278	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	26072	20.397	ug/l	94
82) 4-Chlorotoluene	11.51	91	174057	21.271	ug/l	100
83) tert-Butylbenzene	11.77	119	177376	21.612	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	192084	22.075	ug/l	99
85) sec-Butylbenzene	11.94	105	216841	22.153	ug/l	99
86) p-Isopropyltoluene	12.06	119	195443	21.717	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	95356	21.197	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	94903	20.811	ug/l	99
89) n-Butylbenzene	12.38	91	181715	21.681	ug/l	100
90) Hexachloroethane	12.60	117	32833	22.117	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	93992	21.159	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17076	20.150	ug/l	97

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	67035	20.905	ug/l	99
94) Hexachlorobutadiene	13.78	225	35185	22.000	ug/l	99
95) Naphthalene	13.83	128	212035	20.639	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	65322	20.646	ug/l	99

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

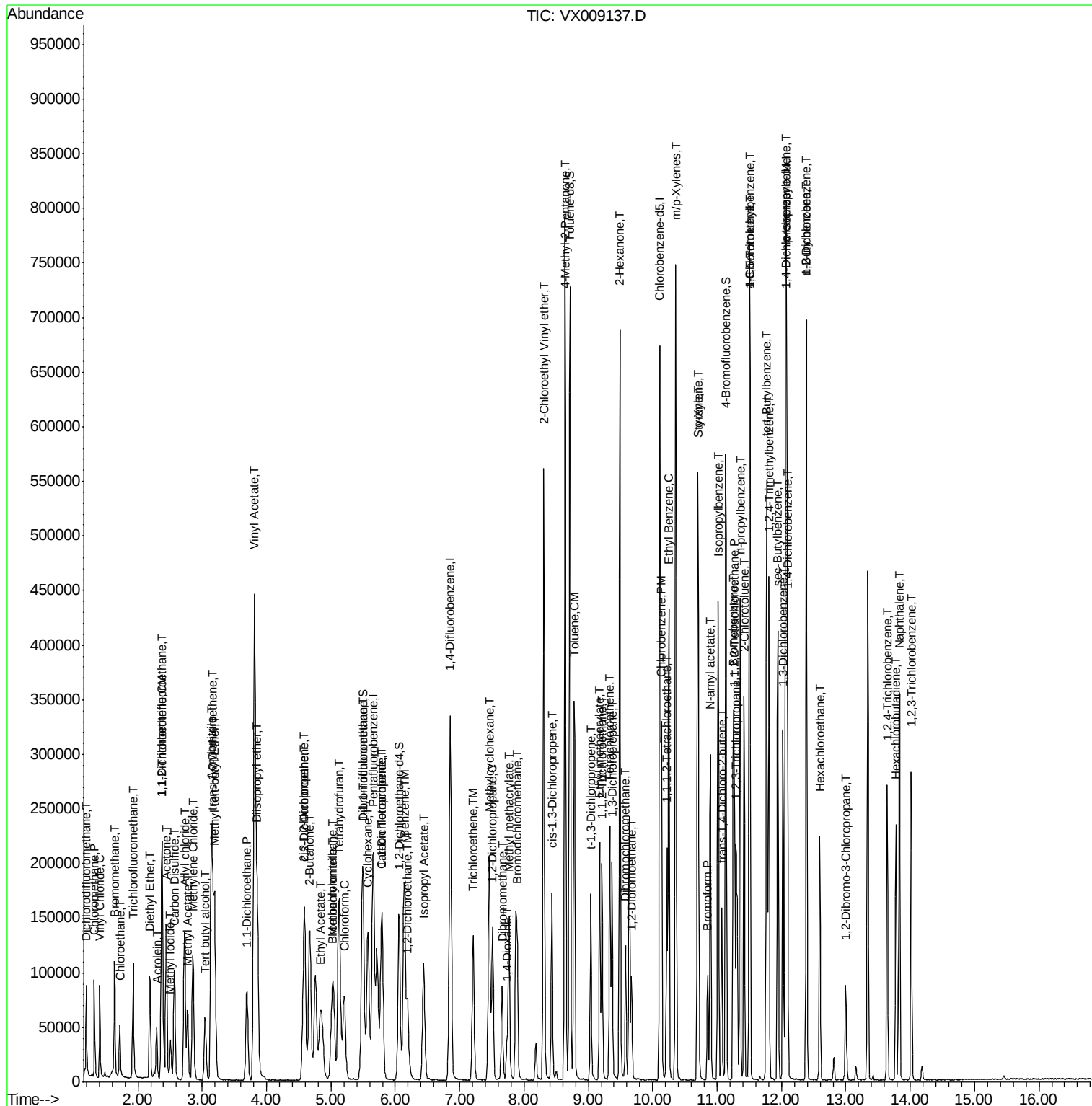
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042419\
Data File : VX009137.D
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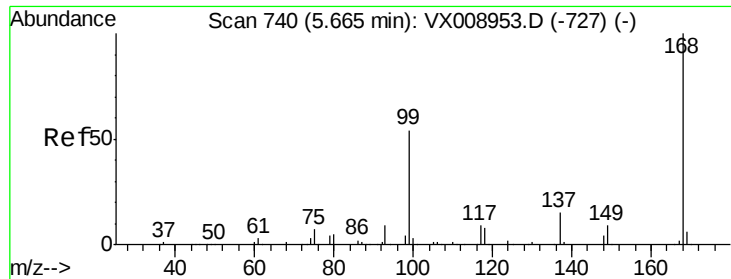
Instrument :
MSVOA_X
Client Sample ID :
VX0424WBS01

Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion:168 Resp: 203658

Ion Ratio Lower Upper

168 100

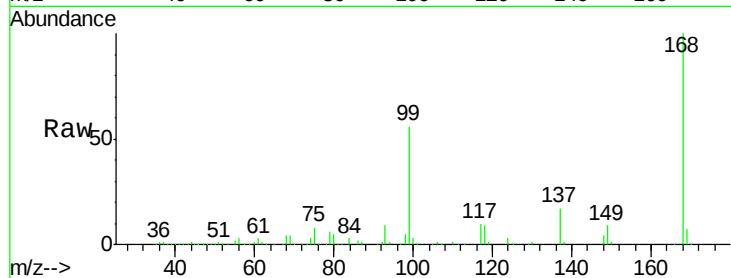
99 56.1 43.0 64.6

Manual Integrations

APPROVED

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4/25/2019 12:34:16 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

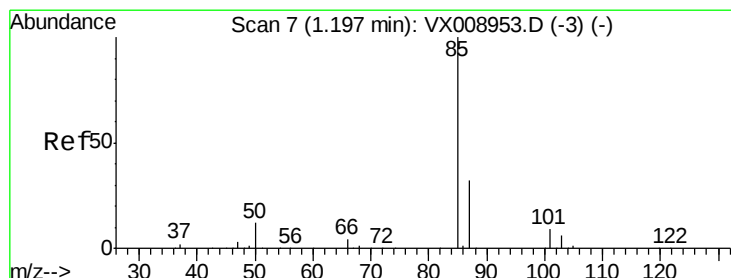
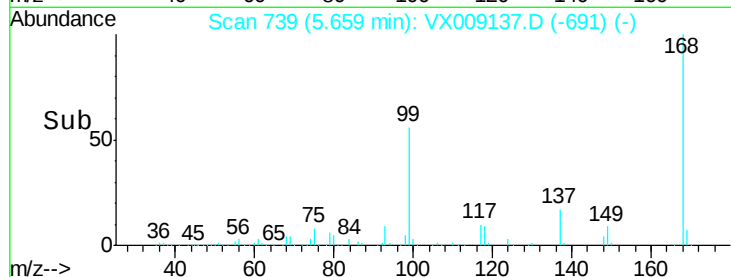
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.235 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009137.D

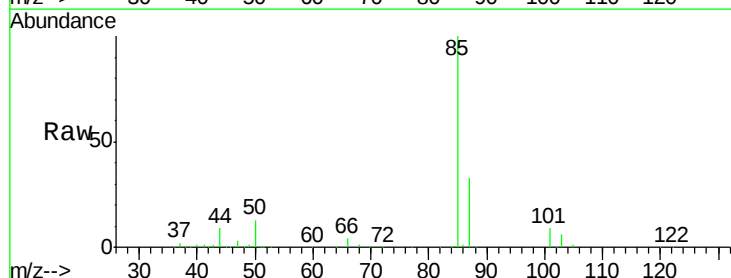
Acq: 24 Apr 2019 12:04

Tgt Ion: 85 Resp: 49811

Ion Ratio Lower Upper

85 100

87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

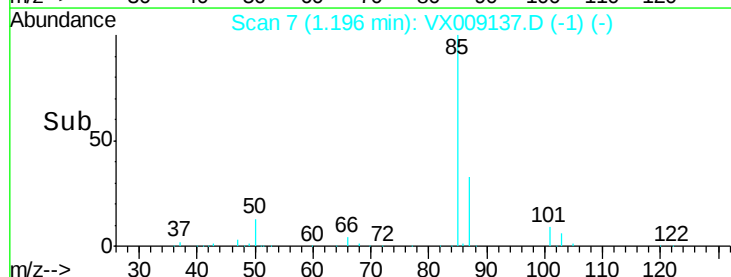
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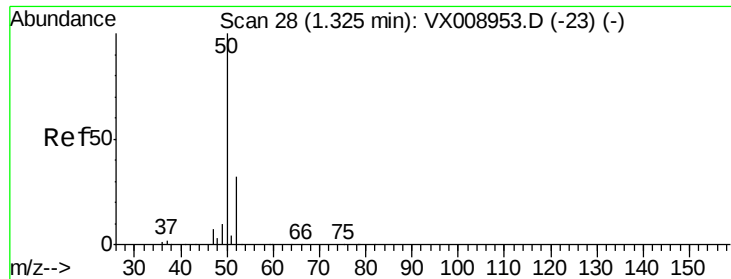
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.385 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion: 50 Resp: 58706

Ion Ratio Lower Upper

50 100

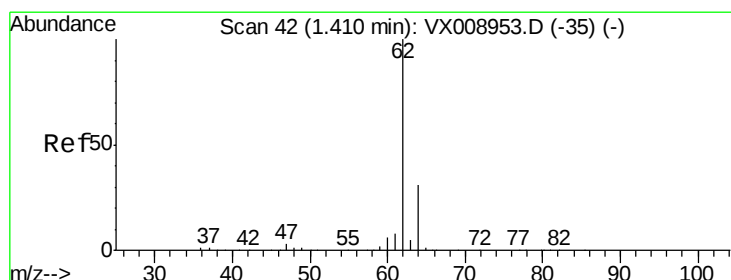
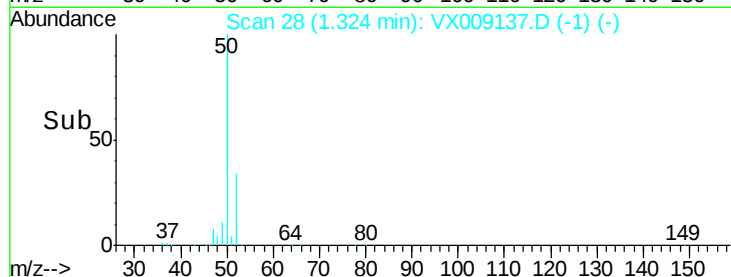
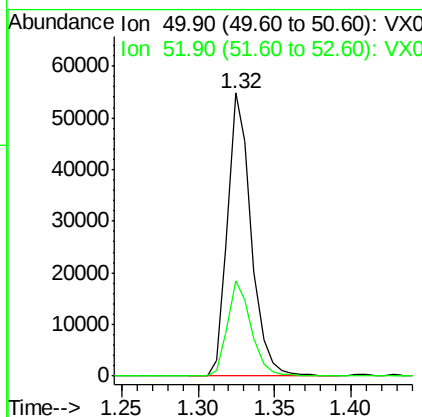
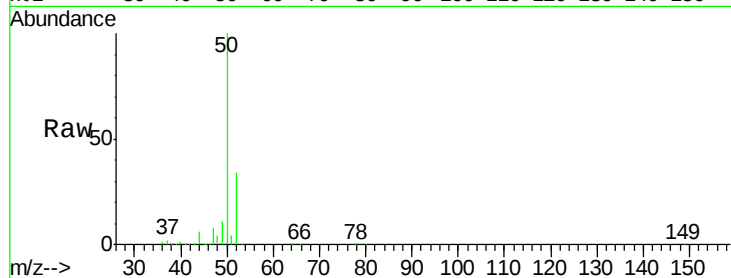
52 33.7 25.5 38.3

Manual Integrations

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4/25/2019 12:34:16 PM



#4

Vinyl Chloride

Concen: 21.196 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009137.D

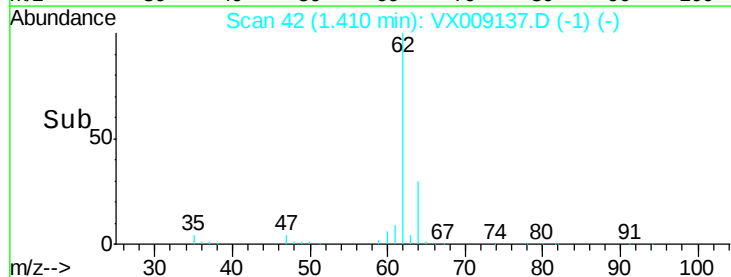
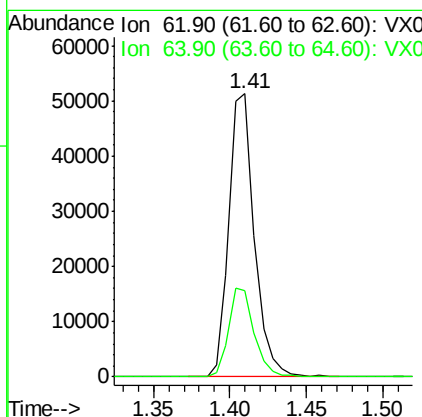
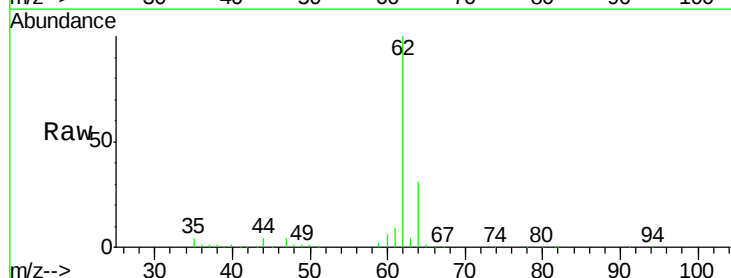
Acq: 24 Apr 2019 12:04

Tgt Ion: 62 Resp: 59411

Ion Ratio Lower Upper

62 100

64 30.4 25.0 37.4





#5

Bromomethane

Concen: 21.775 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion: 94 Resp: 34089

Ion Ratio Lower Upper

94 100

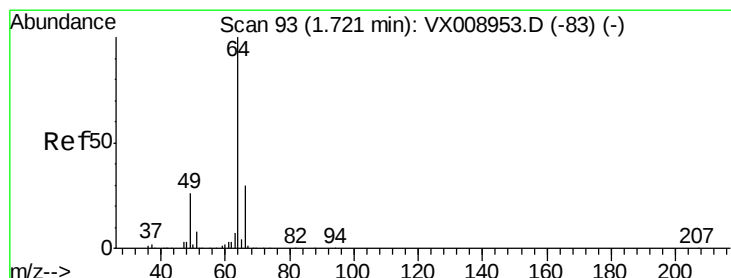
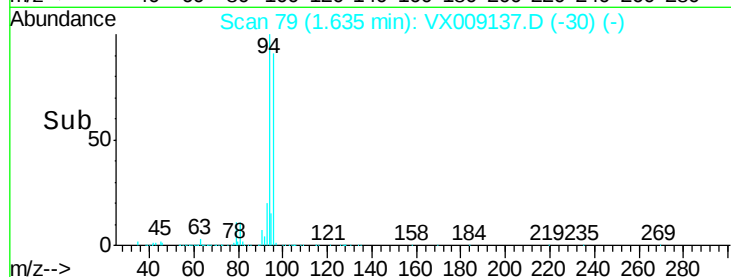
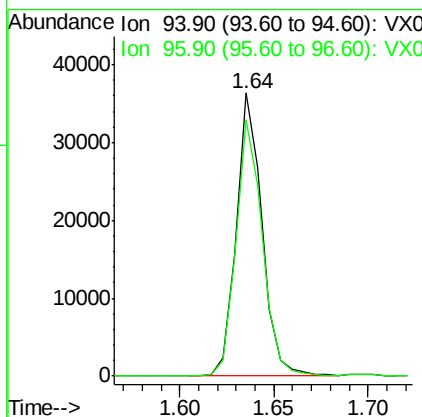
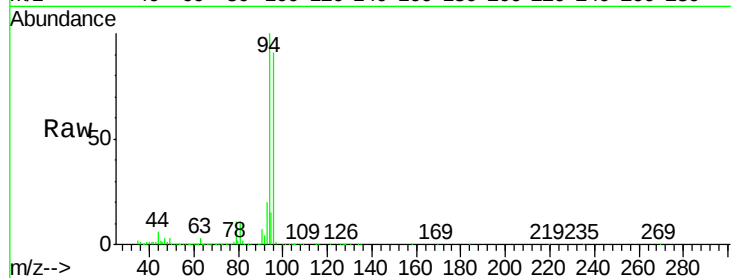
96 90.7 73.9 110.9

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 21.165 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX009137.D

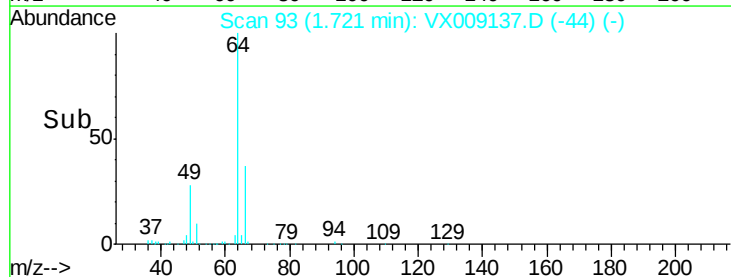
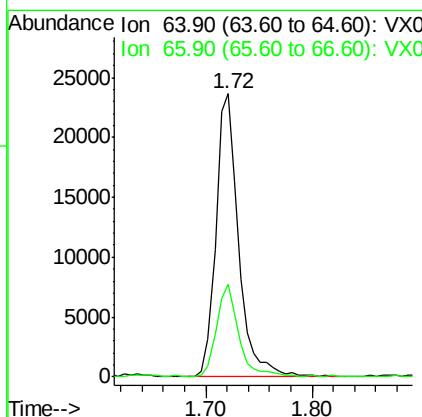
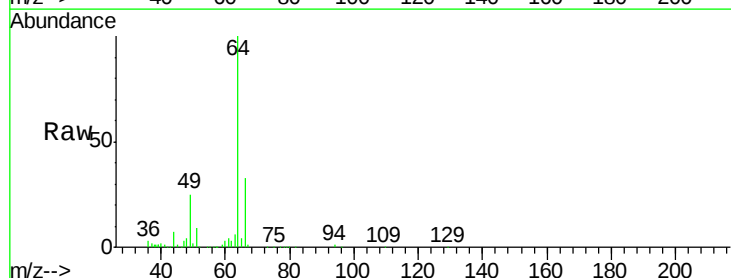
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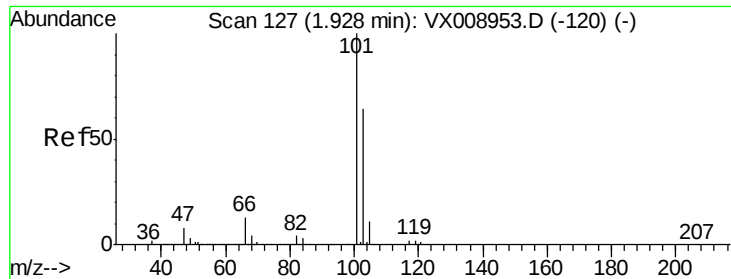
Tgt Ion: 64 Resp: 34884

Ion Ratio Lower Upper

64 100

66 32.6 24.2 36.2





#7

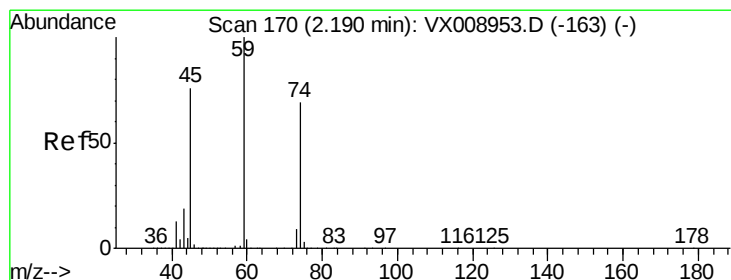
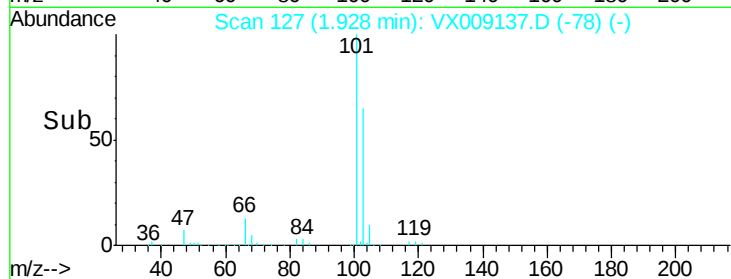
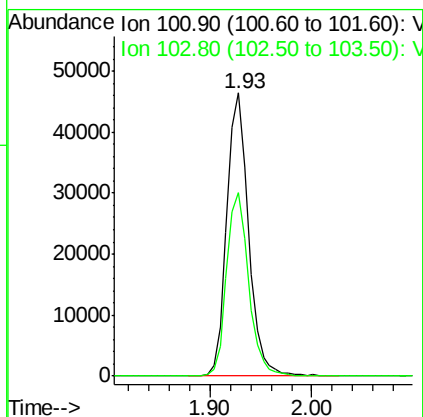
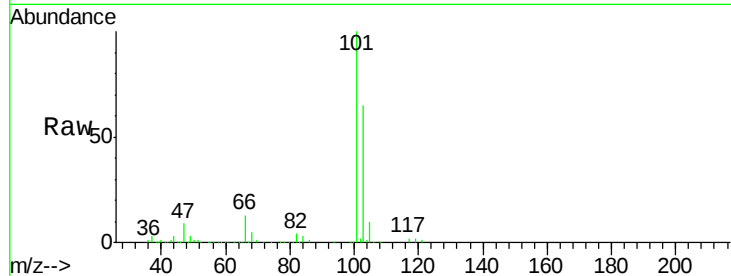
Trichlorofluoromethane
 Concen: 20.937 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Instrument :
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 ClientSampleId :
 VX0424WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.0	76.6

Manual Integrations
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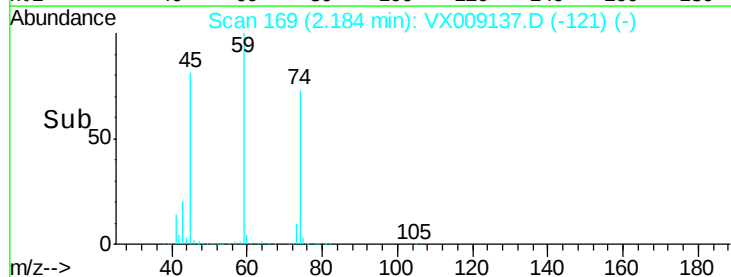
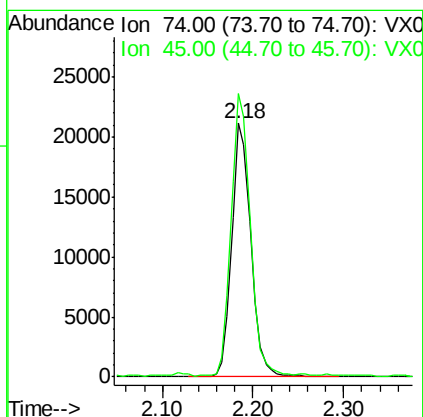
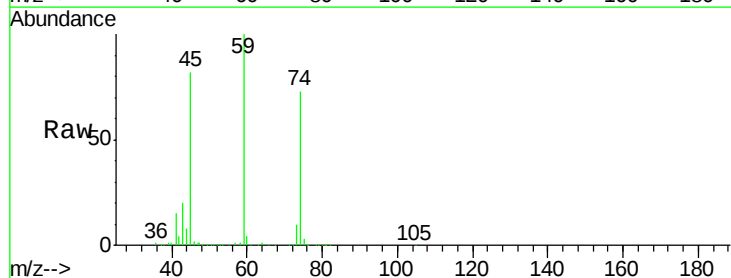
MMDadoda
 4/25/2019 12:34:16 PM

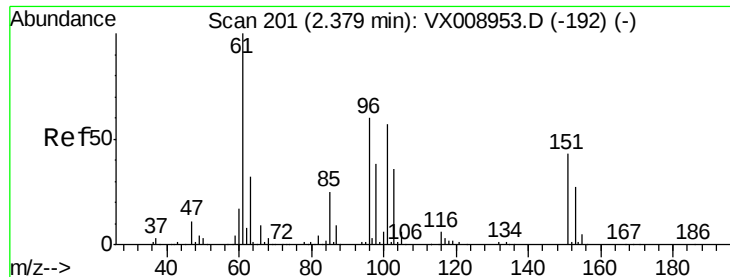


#8

Diethyl Ether
 Concen: 20.757 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.1	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.301 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

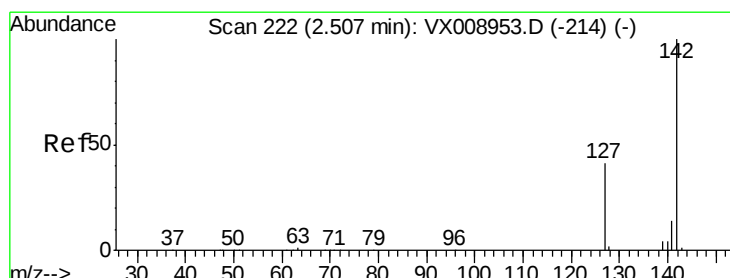
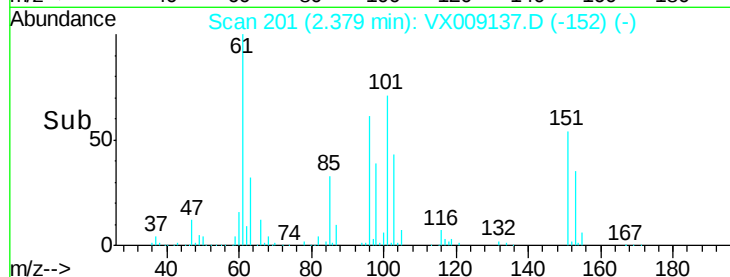
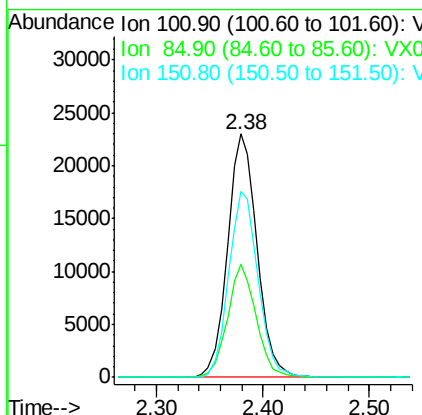
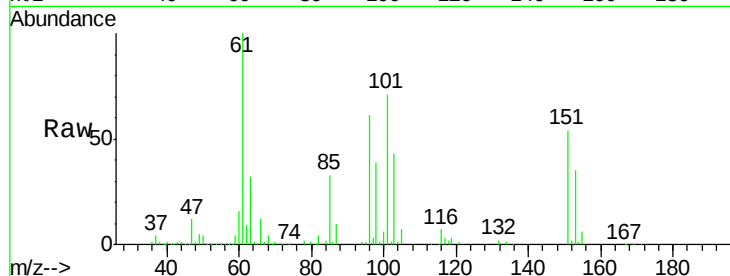
ClientSampleId :

VX0424WBS01

Tot Ion:	101	Resp:	44570
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.7	53.5
151	76.3	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 19.736 ug/l

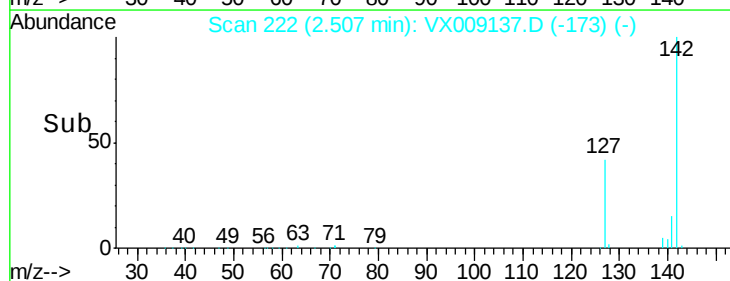
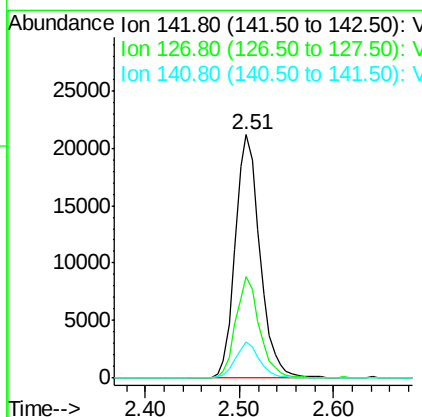
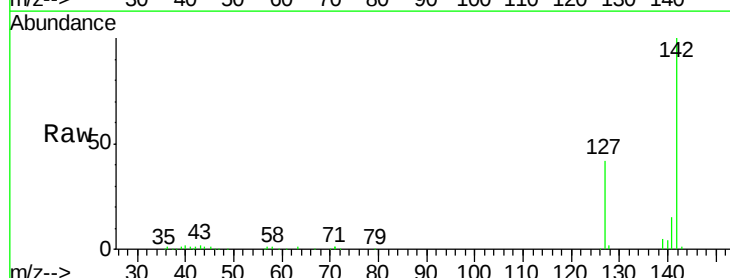
RT: 2.51 min Scan# 222

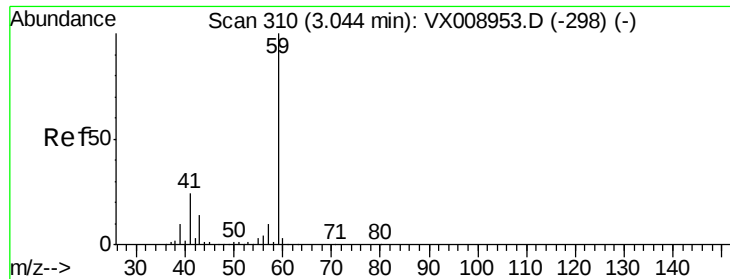
Delta R.T. 0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Tgt Ion:	142	Resp:	38446
Ion Ratio	Lower	Upper	
142	100		
127	40.4	32.8	49.2
141	14.4	11.4	17.2





#11

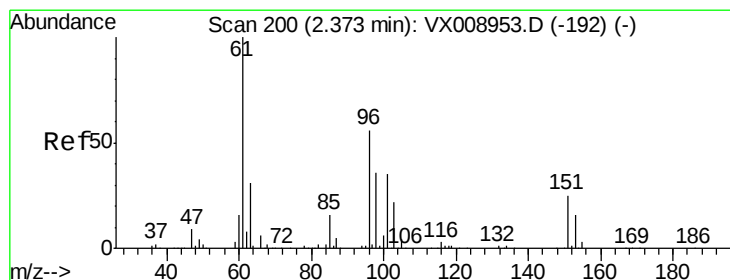
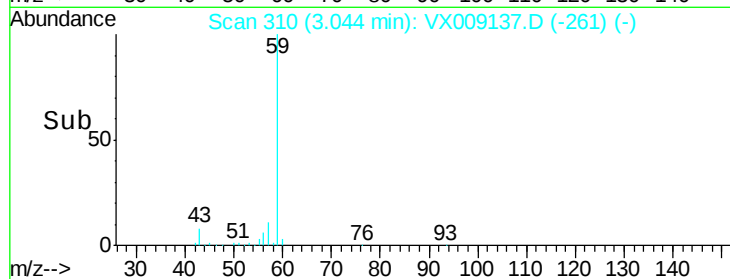
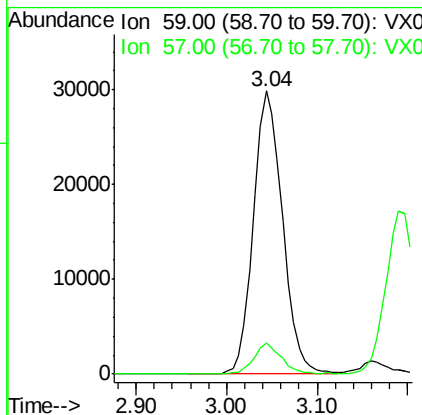
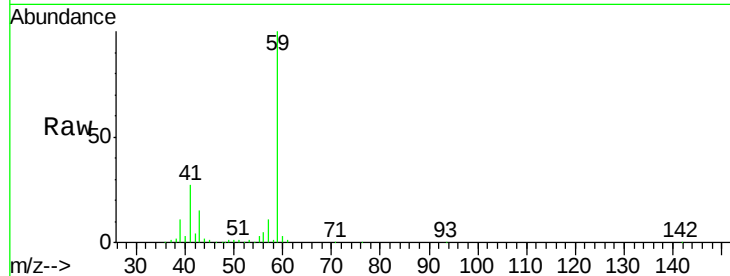
Tert butyl alcohol
 Concen: 104.361 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.3	8.4	12.6

Manual Integrations
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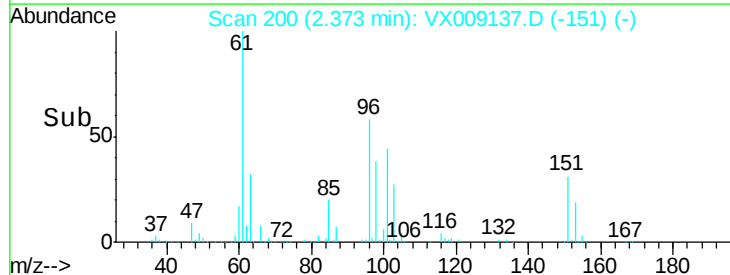
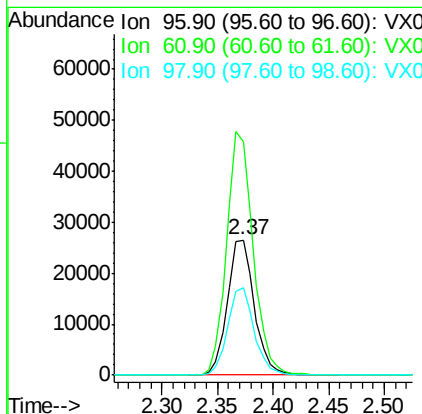
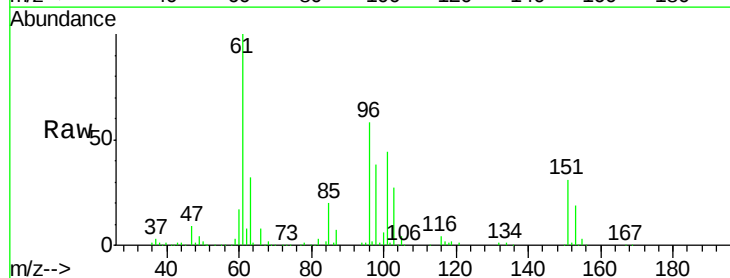
MMDadoda
 4/25/2019 12:34:16 PM

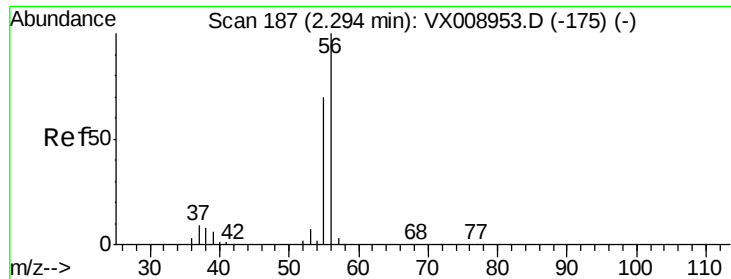


#12

1,1-Dichloroethene
 Concen: 20.414 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	172.2	142.2	213.2
98	98	64.6	50.9	76.3





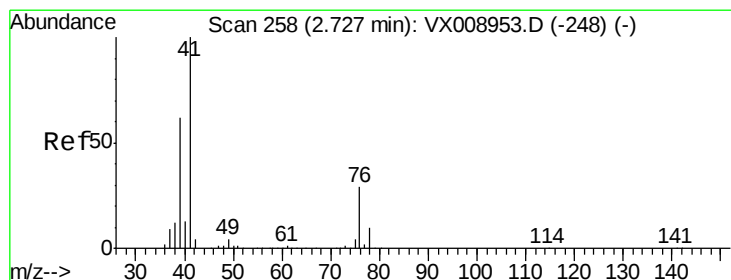
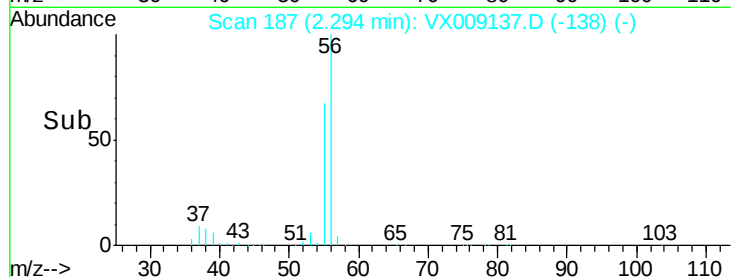
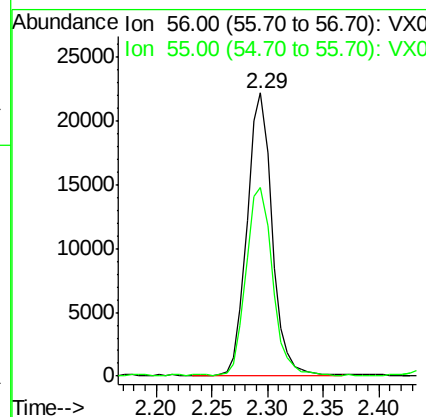
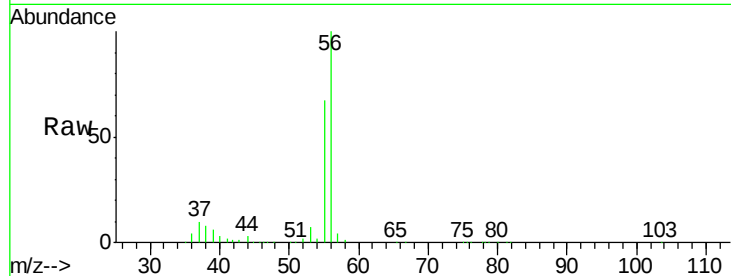
#13
Acrolein
Concen: 63.631 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion	56	55	Ratio	Lower	Upper
35027	100	69.9		56.6	84.8

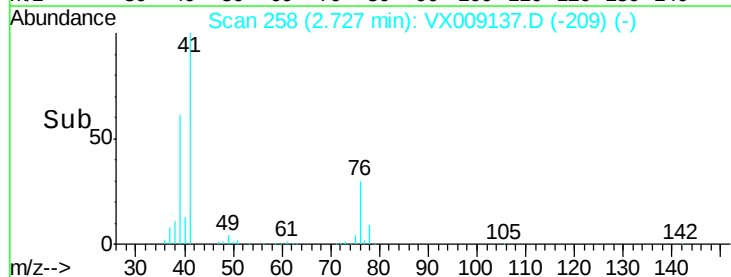
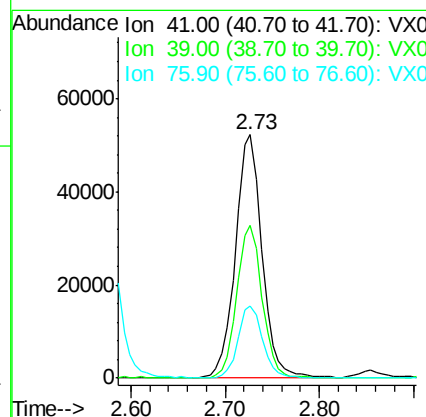
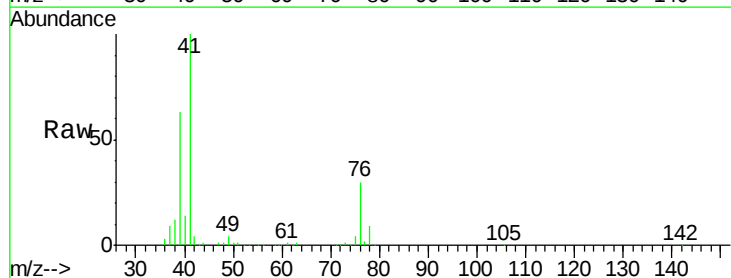
Manual Integrations
APPROVED

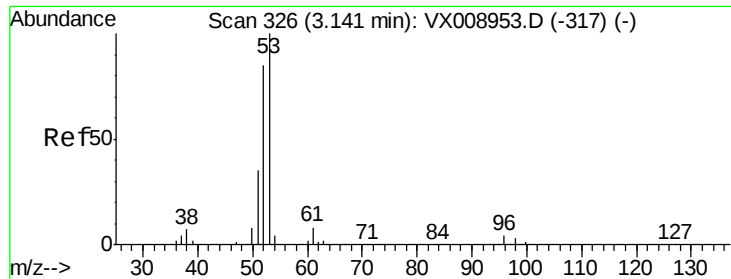
MMDadoda
4/25/2019 12:34:16 PM



#14
Allyl chloride
Concen: 21.488 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion	41	39	76	Ratio	Lower	Upper
102385	100	60.3	27.8		46.7	70.1





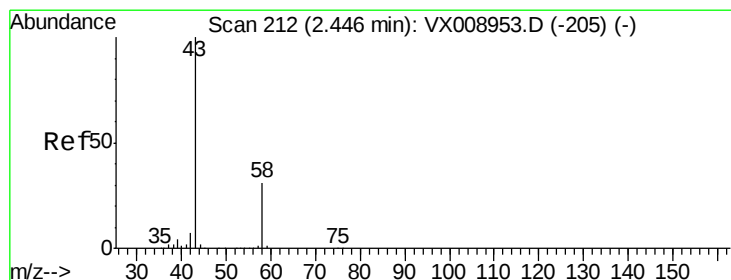
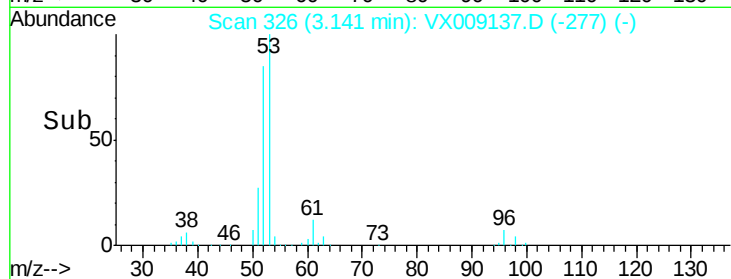
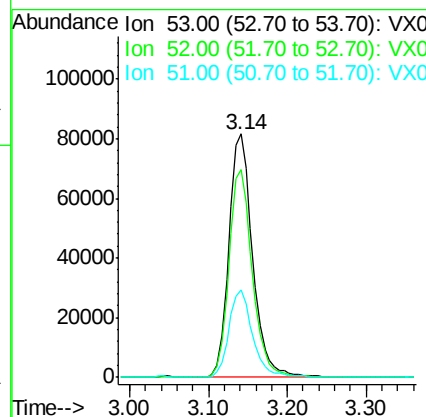
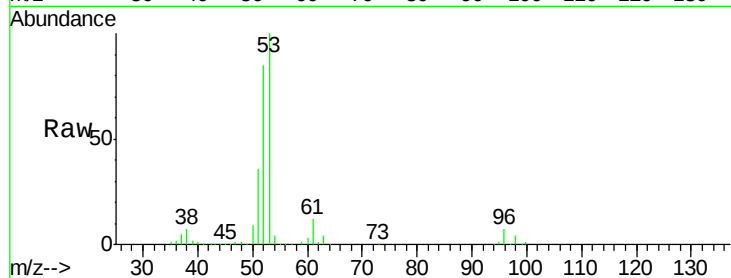
#15
 Acrylonitrile
 Concen: 105.078 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.6	100.0
51	36.1	28.3	42.5

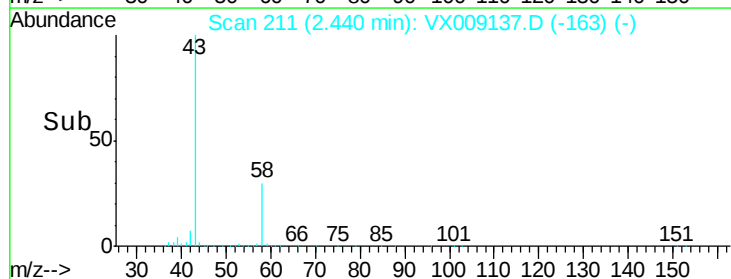
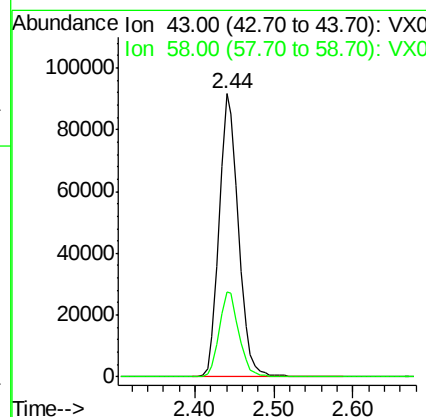
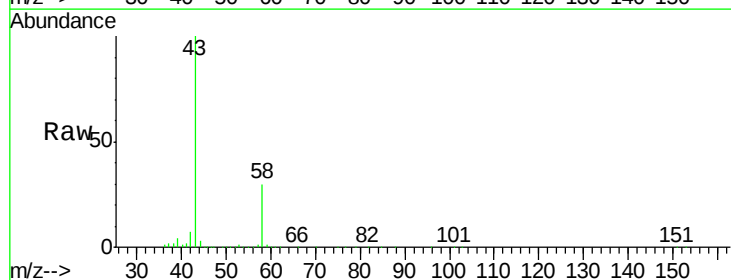
Manual Integrations
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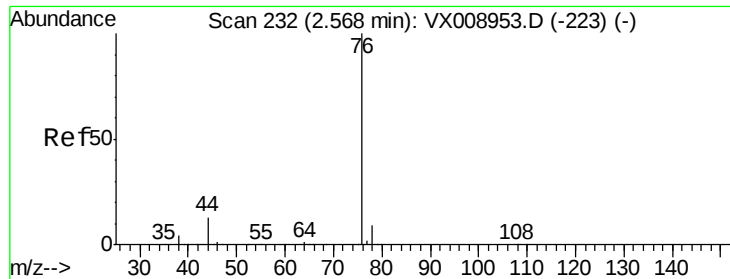
MMDadoda
 4/25/2019 12:34:16 PM



#16
 Acetone
 Concen: 104.348 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.8	37.2





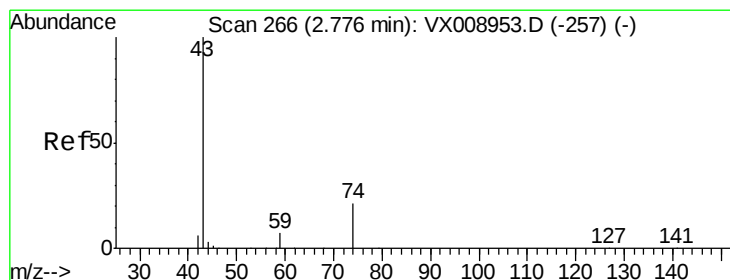
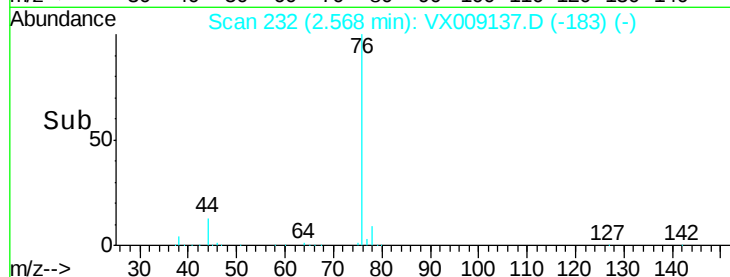
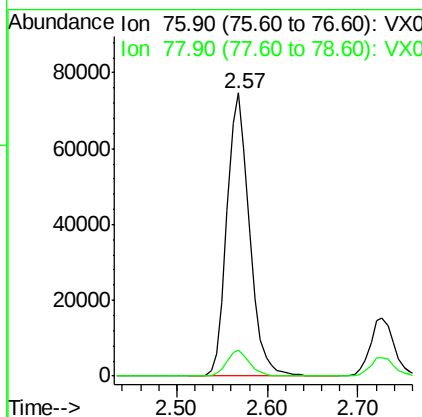
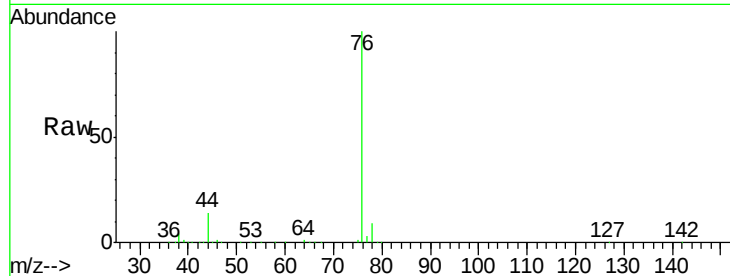
#17
Carbon Disulfide
Concen: 20.866 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

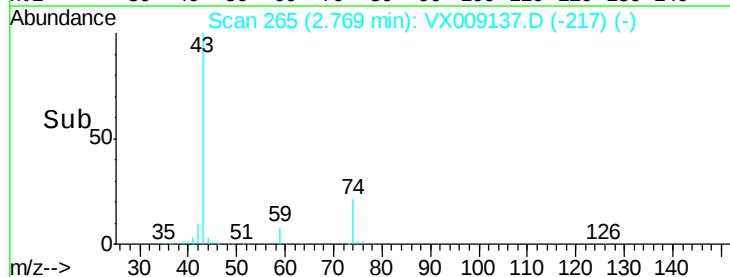
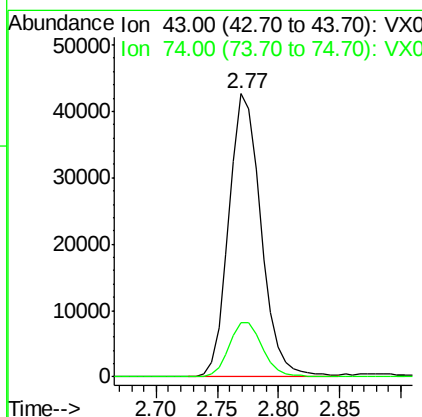
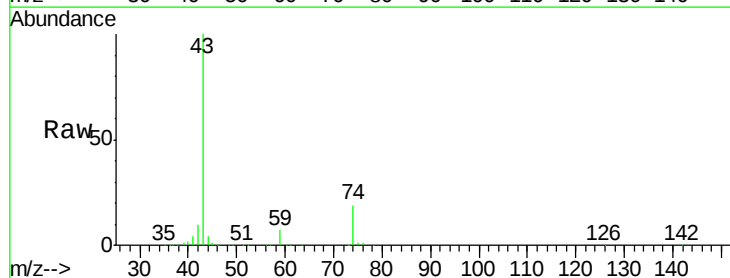
Manual Integrations
APPROVED

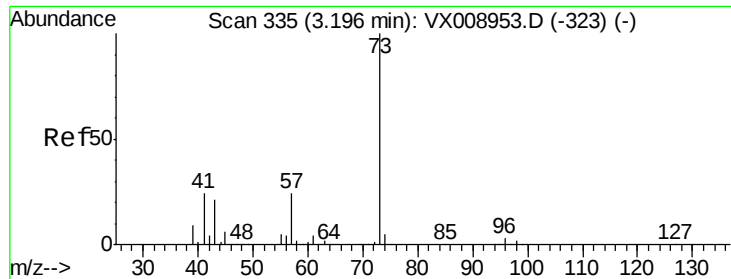
MMDadoda
4/25/2019 12:34:16 PM



#18
Methyl Acetate
Concen: 20.912 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.6	25.0





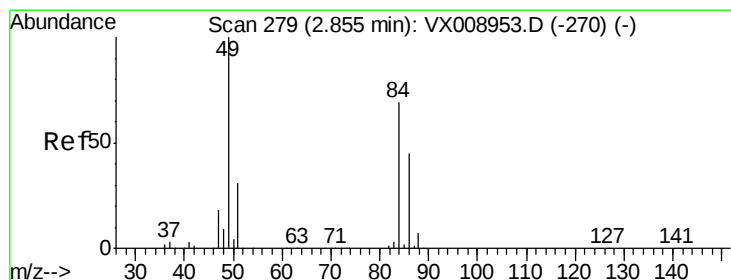
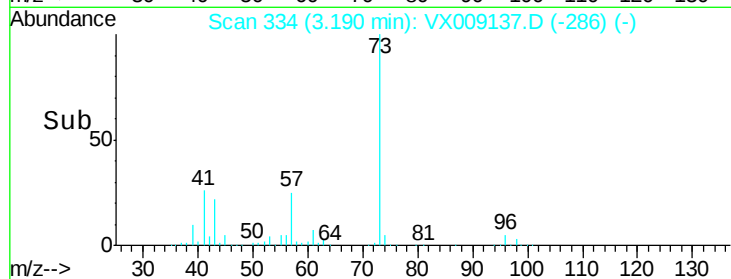
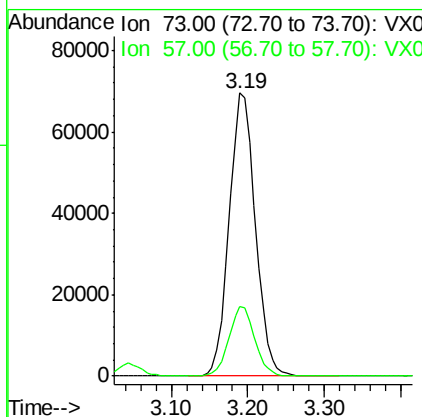
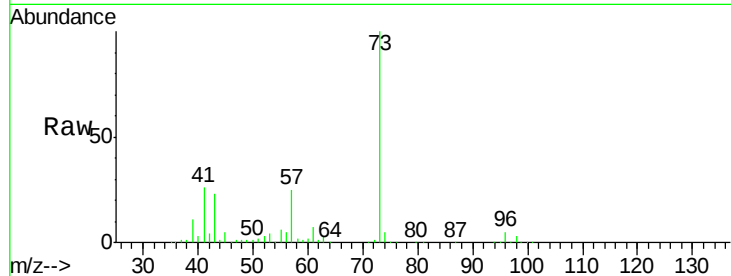
#19
Methvl tert-butvl Ether
Concen: 21.177 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.8	19.2	28.8

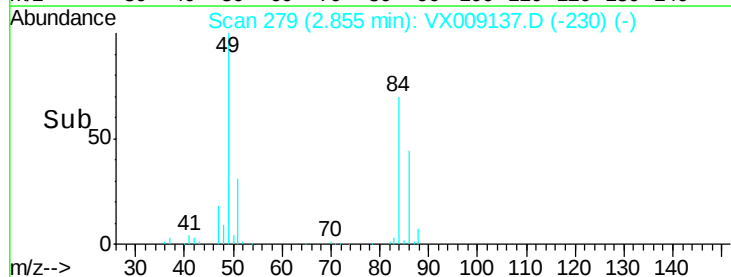
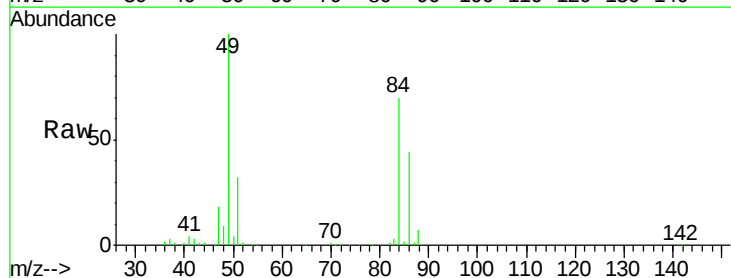
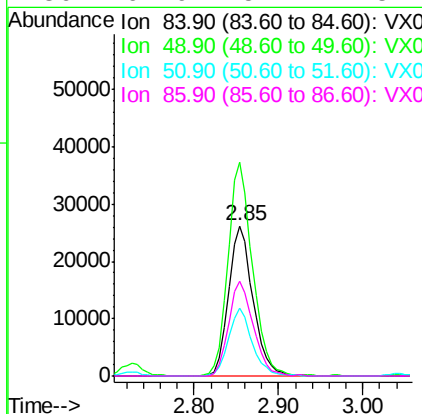
Manual Integrations
APPROVED

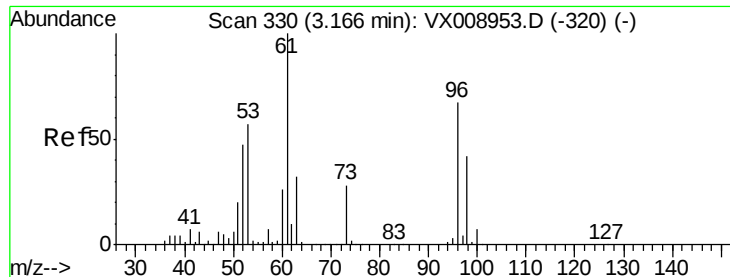
MMDadoda
4/25/2019 12:34:16 PM



#20
Methylene Chloride
Concen: 20.282 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.2	115.4	173.0
51	44.8	35.8	53.6
86	62.9	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 20.577 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion: 96 Resp: 47935

Ion Ratio Lower Upper

96 100

61 149.9 120.3 180.5

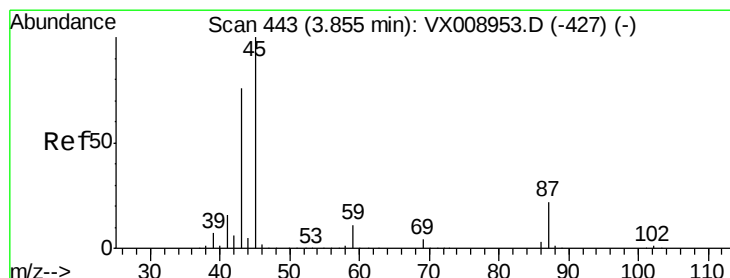
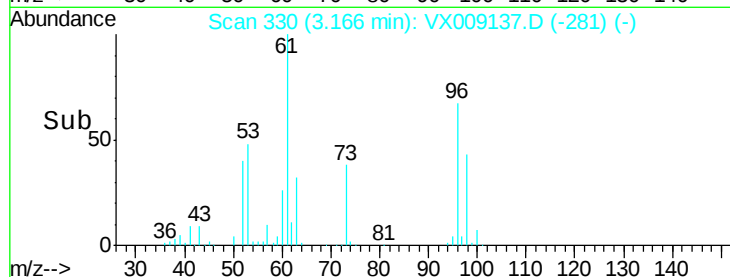
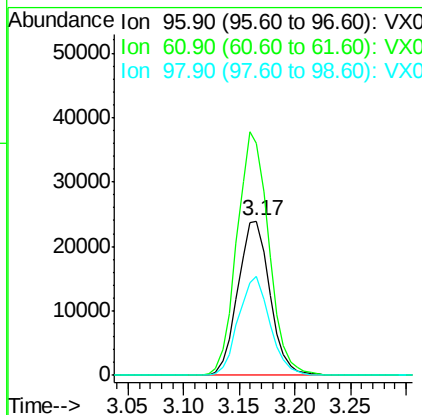
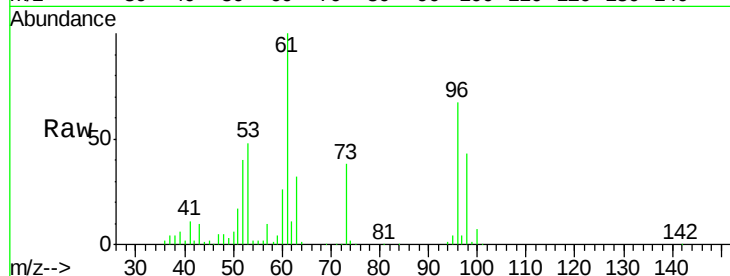
98 64.3 50.2 75.2

Manual Integrations

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MMDadoda

4/25/2019 12:34:16 PM



#22

Diisopropyl ether

Concen: 22.058 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Tgt Ion: 45 Resp: 204231

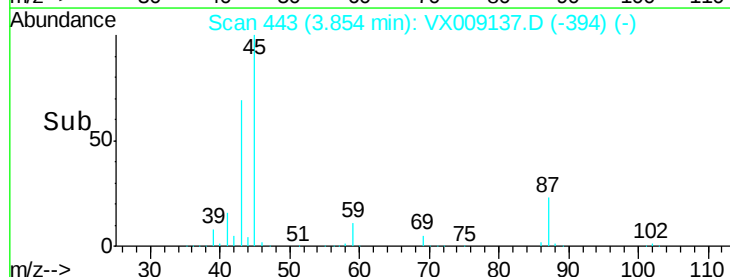
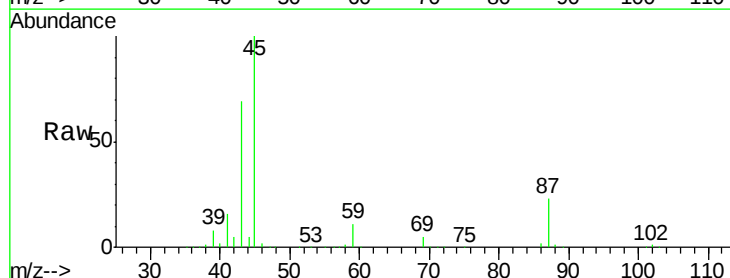
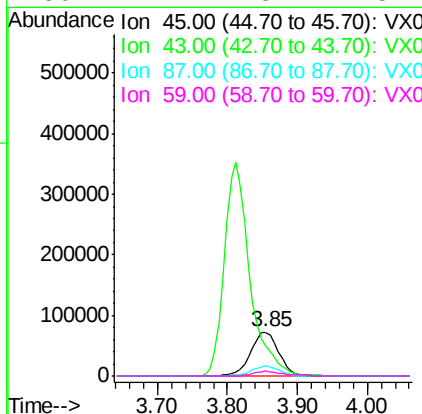
Ion Ratio Lower Upper

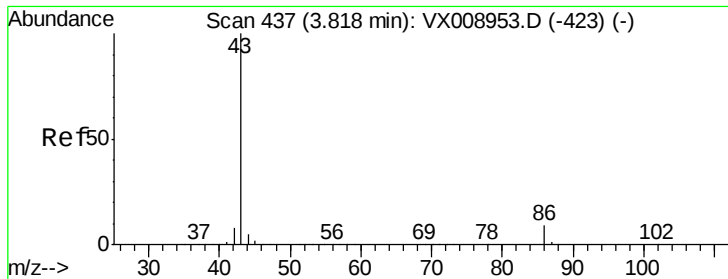
45 100

43 69.3 60.6 91.0

87 22.9 17.8 26.8

59 11.2 8.7 13.1





#23

Vinyl Acetate

Concen: 110.433 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion: 43 Resp: 898803

Ion Ratio Lower Upper

43 100

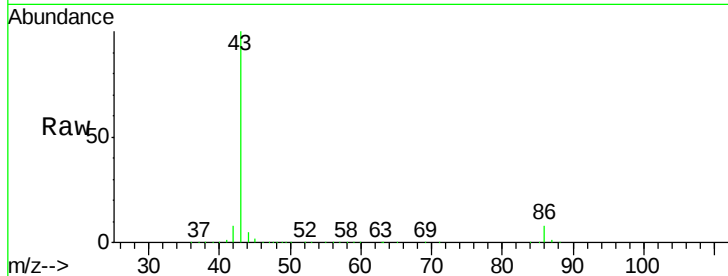
86 8.4 7.1 10.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

400000

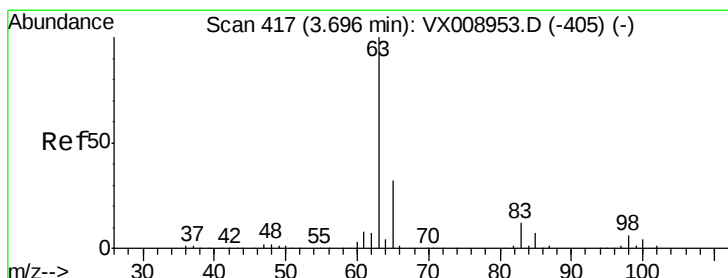
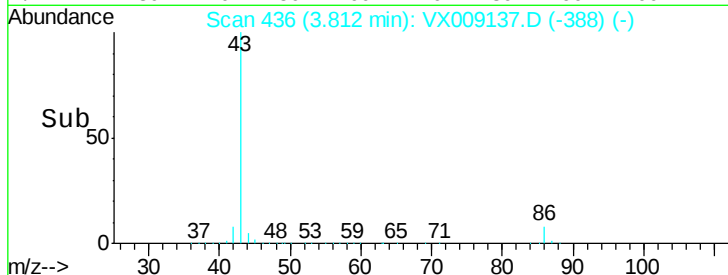
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.089 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

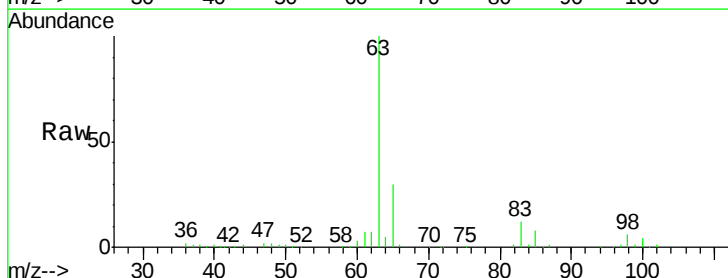
Tgt Ion: 63 Resp: 98015

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 3.7 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

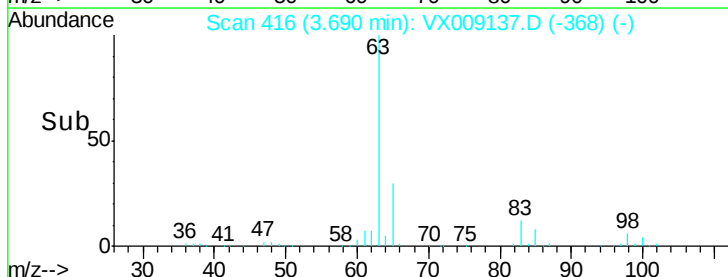
30000

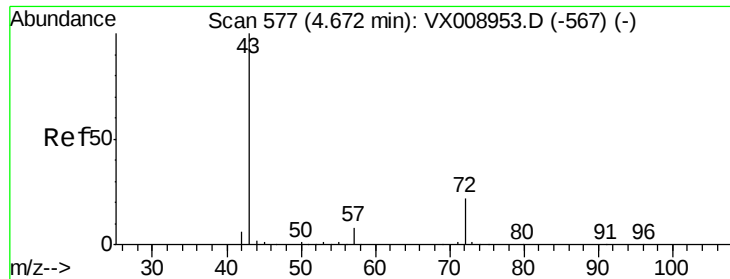
20000

10000

0

Time-->





#25

2-Butanone

Concen: 107.234 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Tot Ion: 43 Resp: 255117

Ion Ratio Lower Upper

43 100

72 23.0 17.5 26.3

Instrument :

MSVOA_X

ClientSampled :

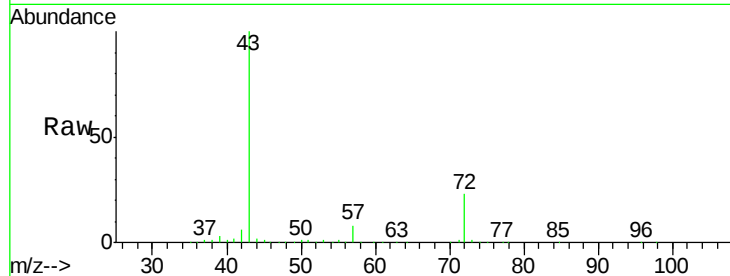
VX0424WBS01

Manual Integrations

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4/25/2019 12:34:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

80000

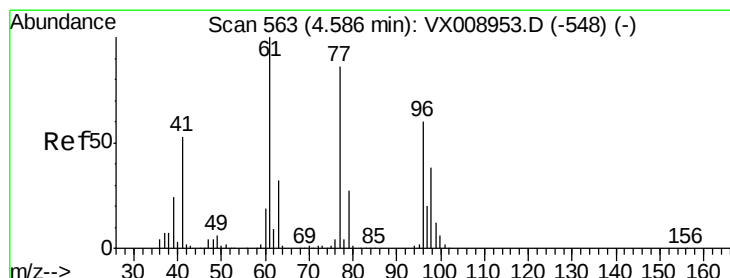
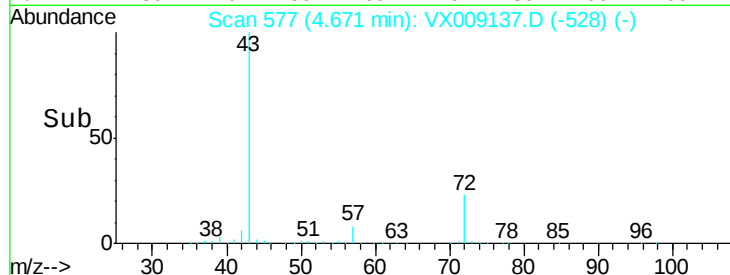
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 20.531 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009137.D

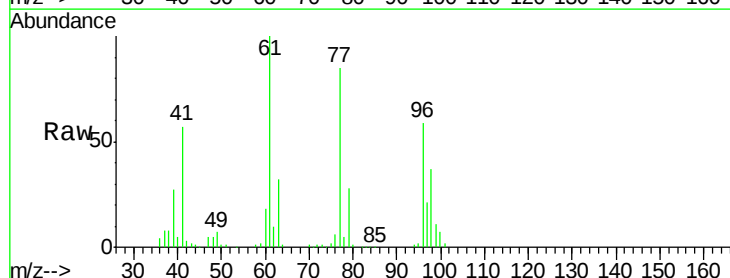
Acq: 24 Apr 2019 12:04

Tgt Ion: 77 Resp: 71528

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

25000

20000

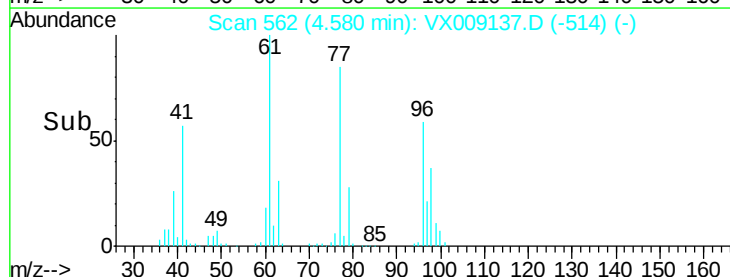
15000

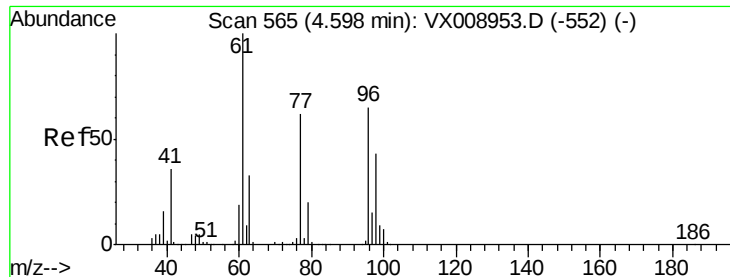
10000

5000

0

Time-->





#27

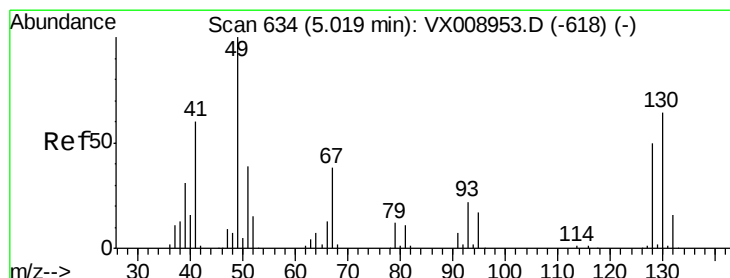
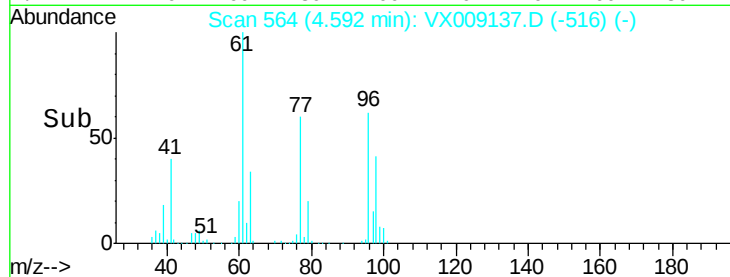
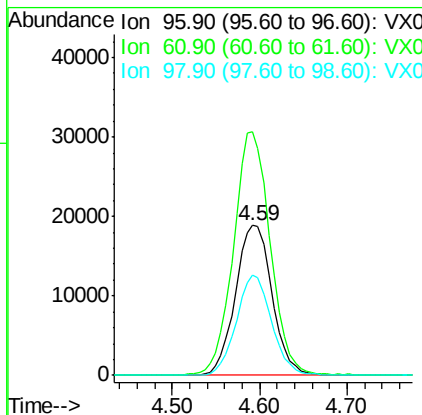
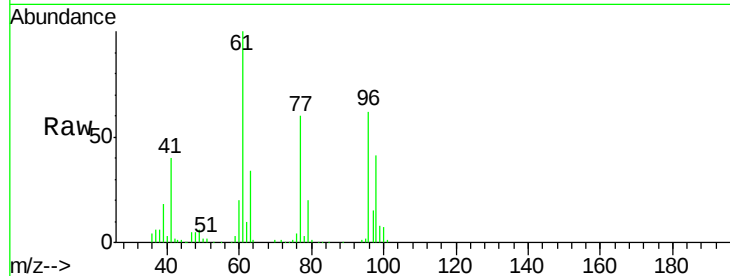
cis-1,2-Dichloroethene
Concen: 20.745 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.8	0.0	322.0	
98	64.2	0.0	128.4	

Manual Integrations
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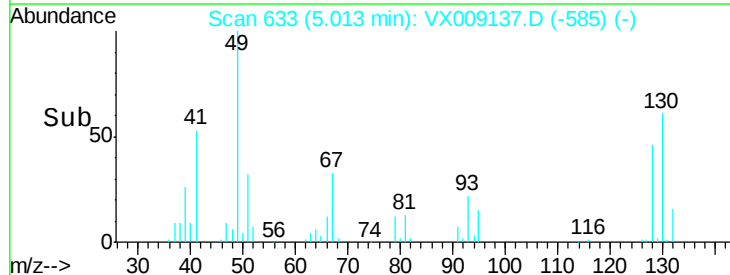
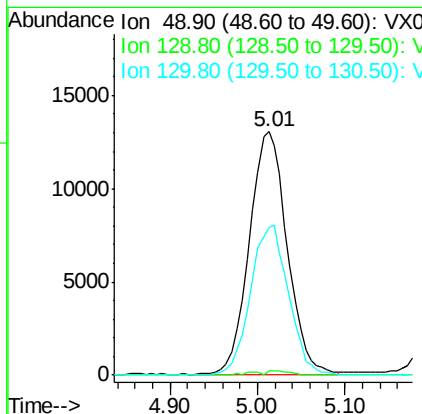
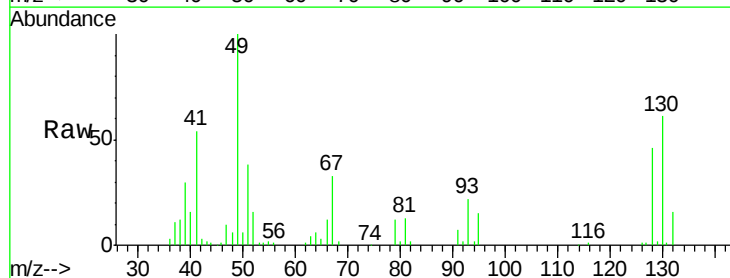
MMDadoda
4/25/2019 12:34:16 PM

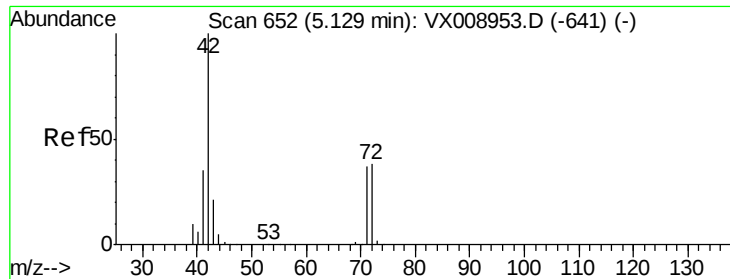


#28

Bromochloromethane
Concen: 19.229 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	3.6	
130	61.2	50.4	75.6	





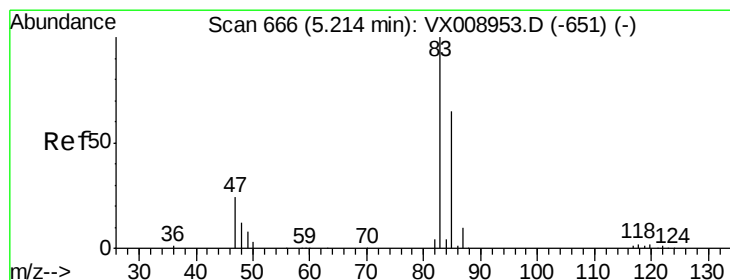
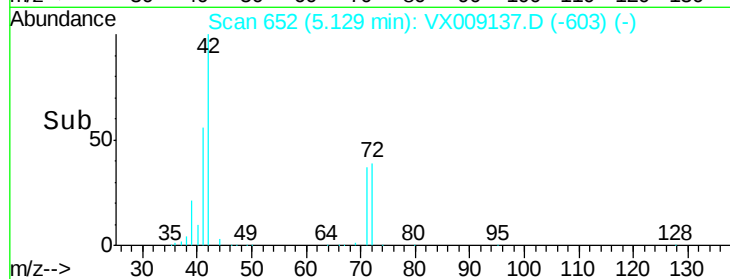
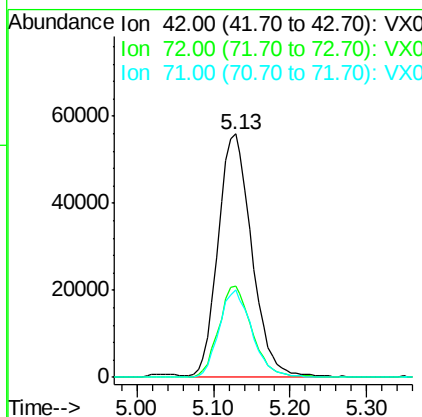
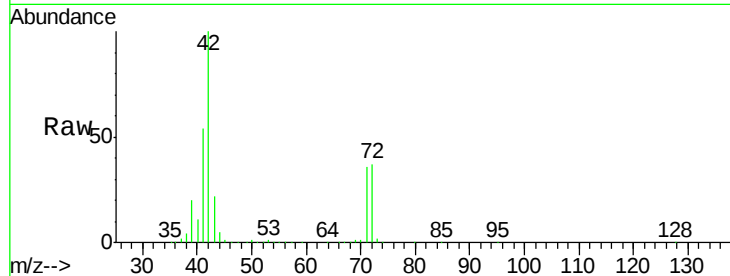
#29
Tetrahydrofuran
Concen: 106.300 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.6	45.8
71	35.3	28.8	43.2

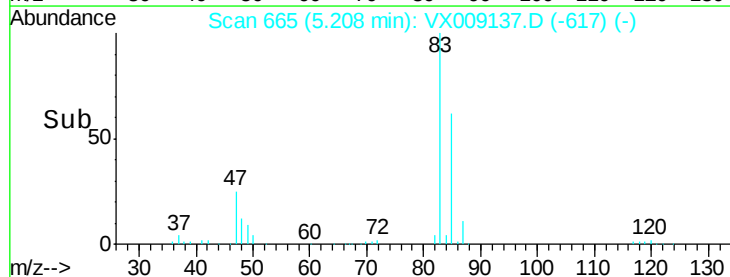
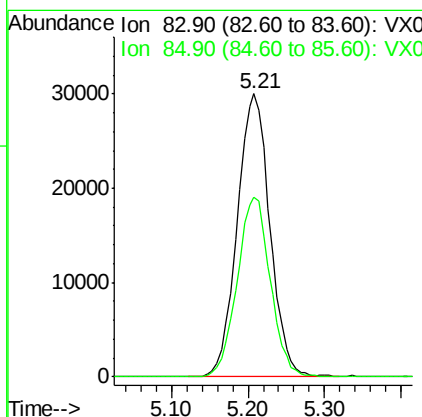
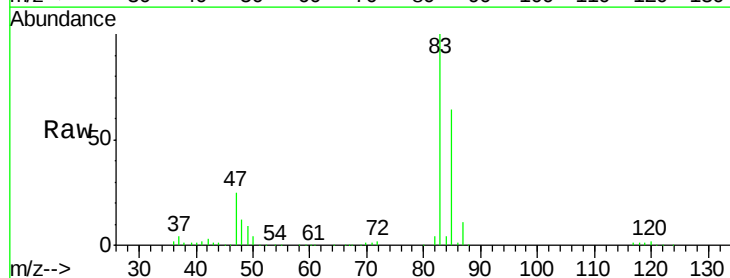
Manual Integrations
APPROVED

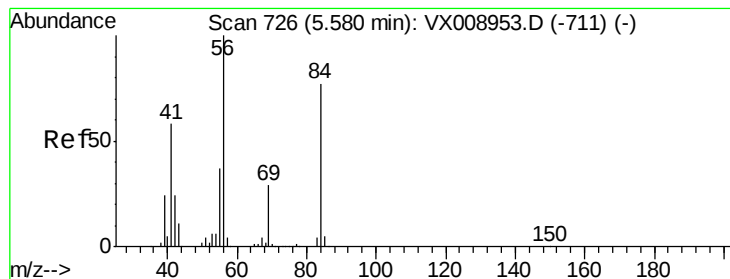
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#30
Chloroform
Concen: 21.393 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.9	77.9





#31

Cvclohexane

Concen: 21.531 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

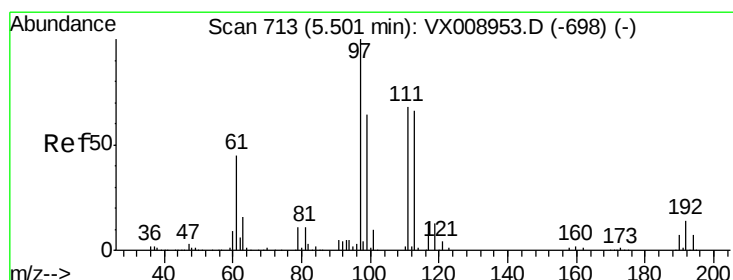
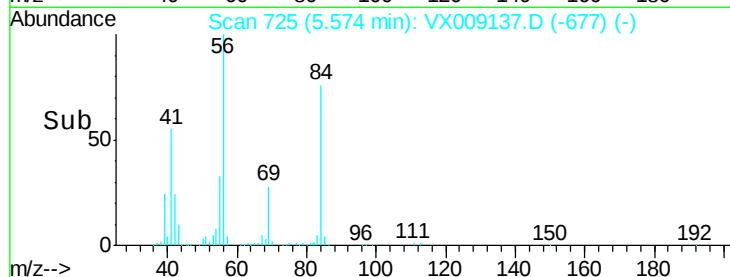
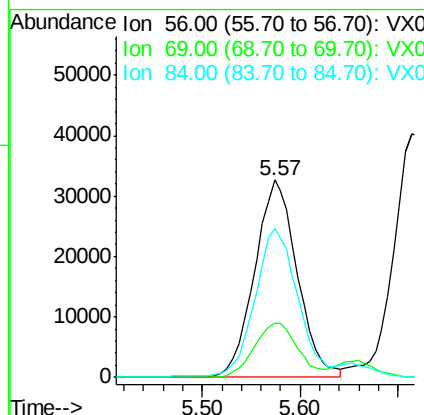
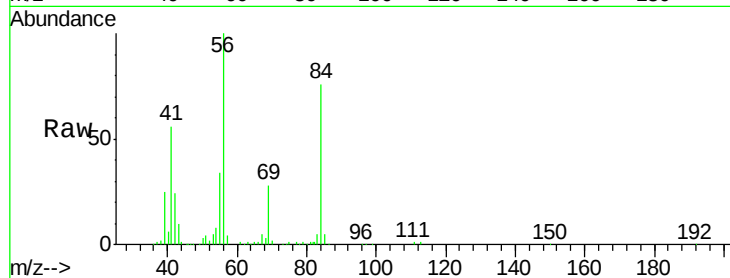
ClientSampleId :

VX0424WBS01

Tot Ion:	56	Resp:	98428
Ion	Ratio	Lower	Upper
56	100		
69	27.8	23.3	34.9
84	75.0	61.7	92.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.746 ug/l

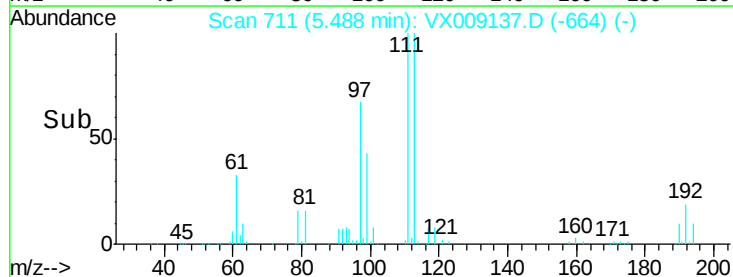
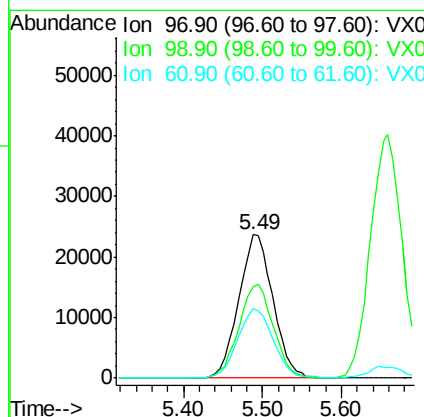
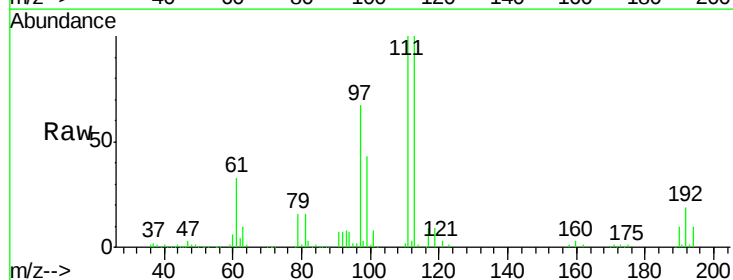
RT: 5.49 min Scan# 711

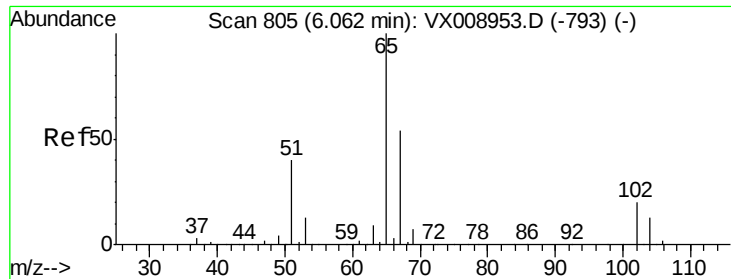
Delta R.T. -0.01 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Tgt Ion:	97	Resp:	71513
Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.6	77.4
61	50.4	37.9	56.9





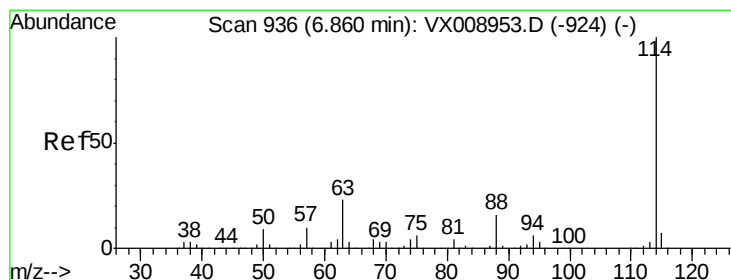
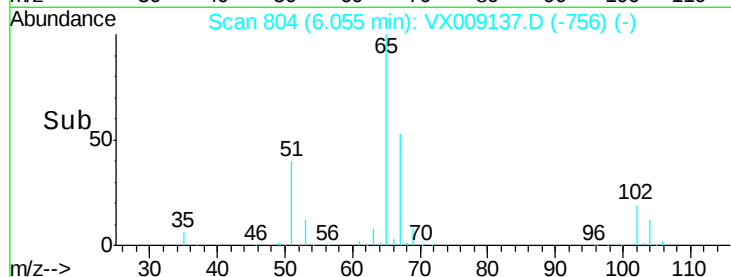
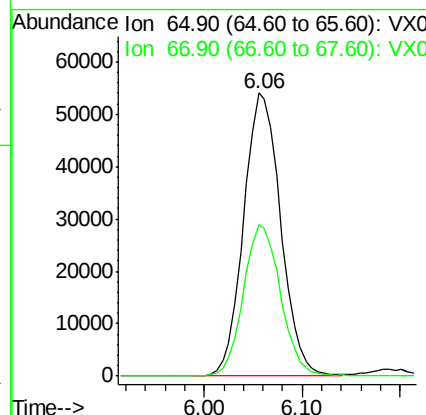
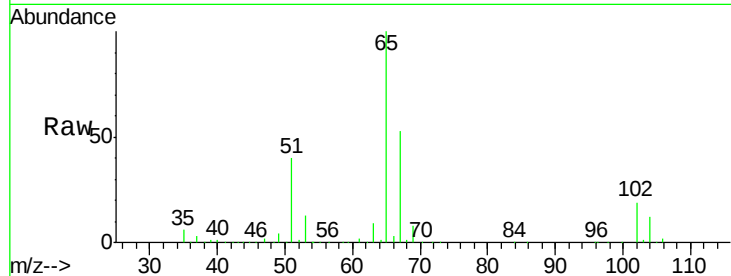
#33
 1,2-Dichloroethane-d4
 Concen: 49.473 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141994		
67	53.6	0.0	108.6	

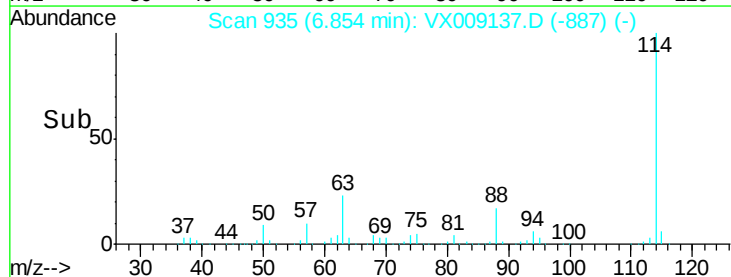
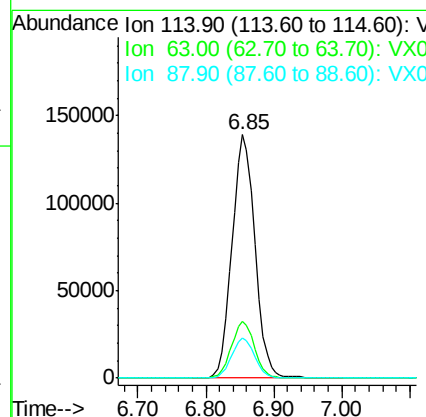
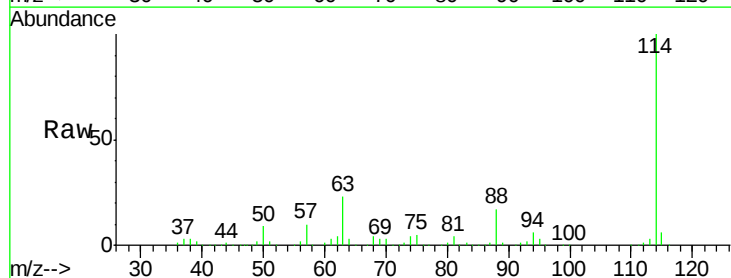
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	324911		
63	23.2	0.0	46.0	
88	16.5	0.0	32.6	





#35

Dibromofluoromethane

Concen: 50.572 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

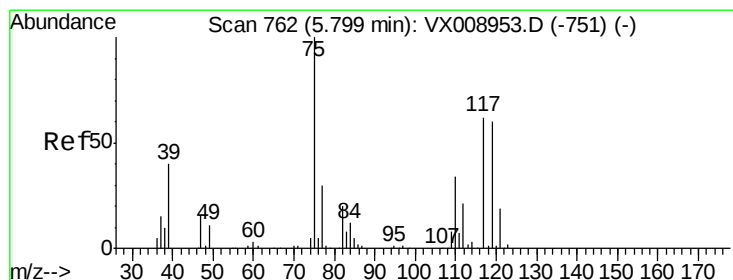
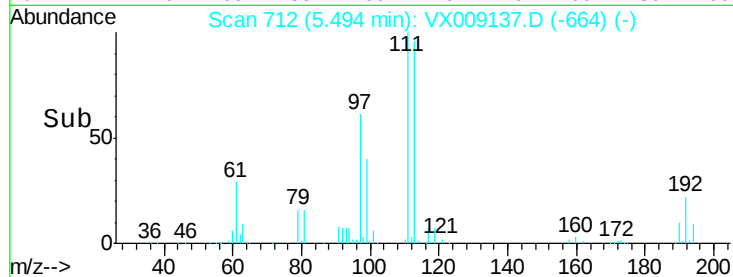
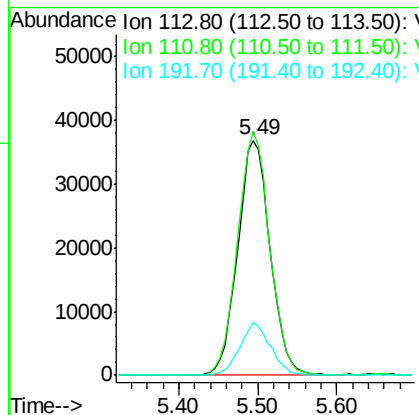
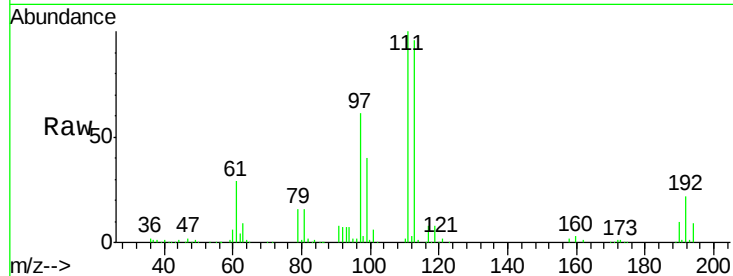
ClientSampleId :

VX0424WBS01

Tot Ion:	113	Resp:	105452
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.9	124.3
192	21.1	17.4	26.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.732 ug/l

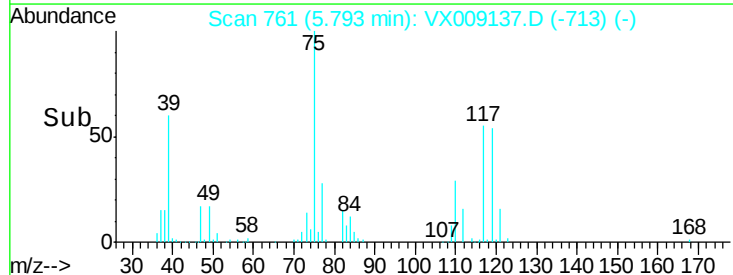
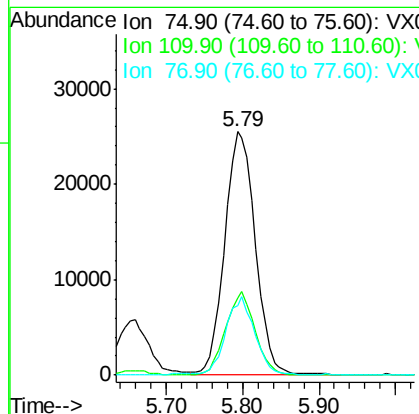
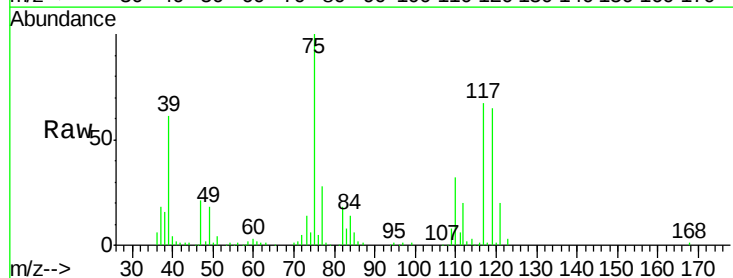
RT: 5.79 min Scan# 761

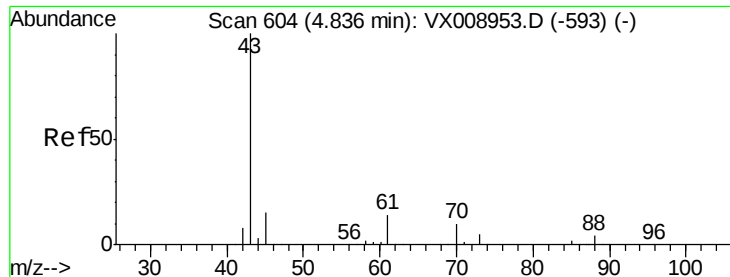
Delta R.T. -0.01 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Tgt Ion:	75	Resp:	69667
Ion Ratio	Lower	Upper	
75	100		
110	33.4	16.9	50.7
77	30.2	25.0	37.4





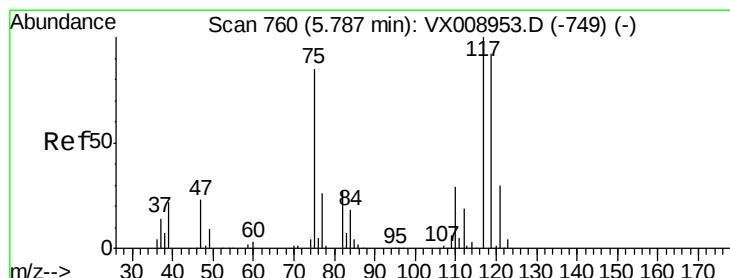
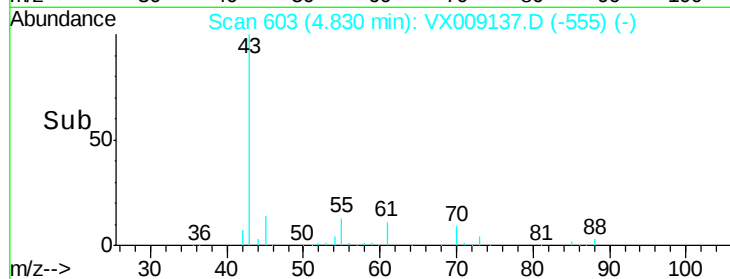
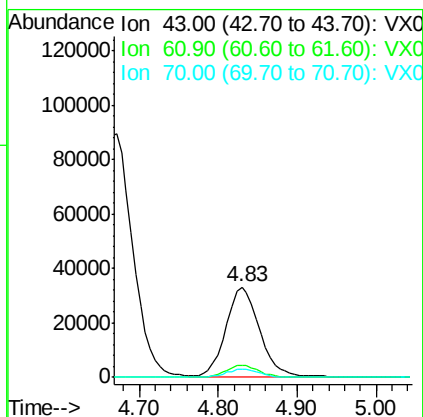
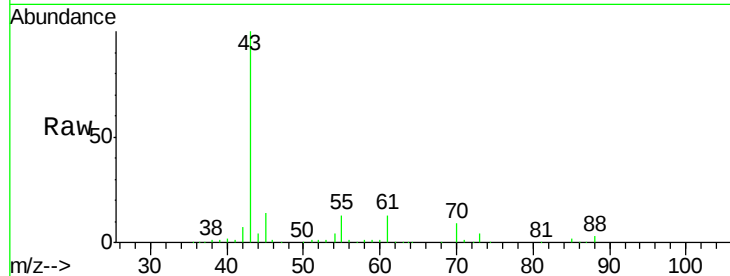
#37
Ethyl Acetate
Concen: 22.524 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.6	15.8
70	9.5	7.7	11.5

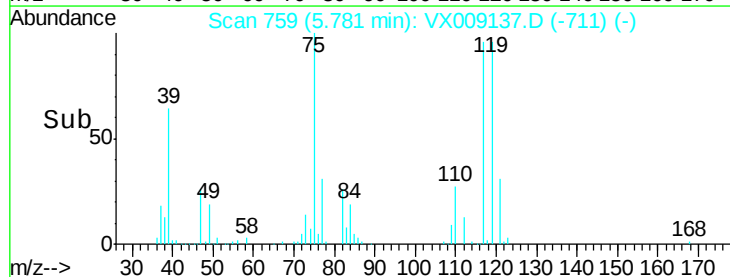
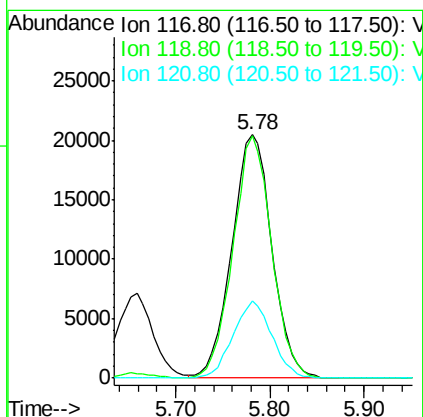
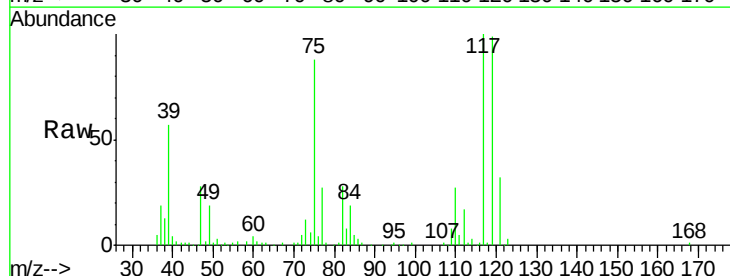
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#38
Carbon Tetrachloride
Concen: 21.363 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	73.8	110.8
121	31.9	23.6	35.4





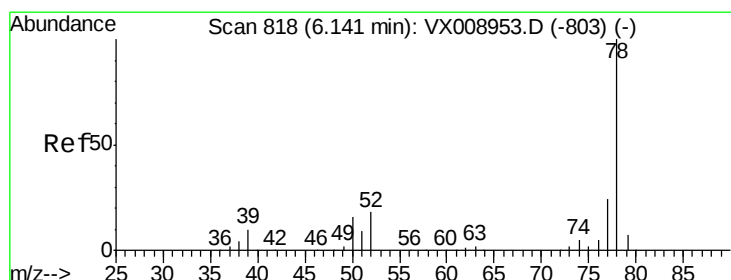
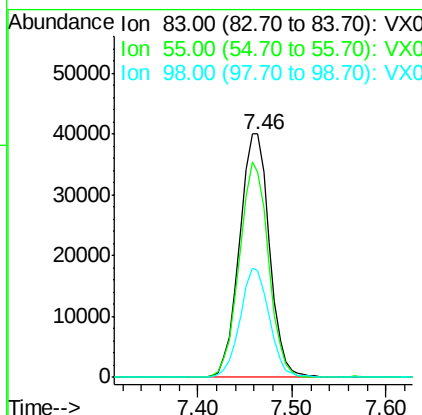
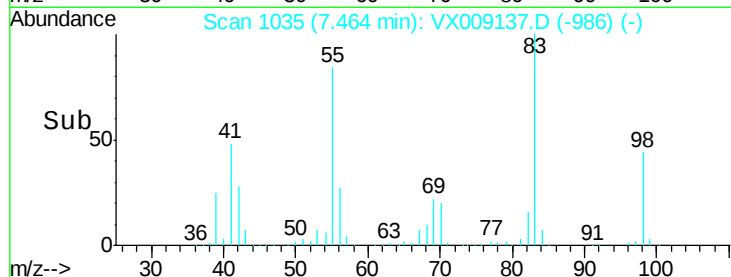
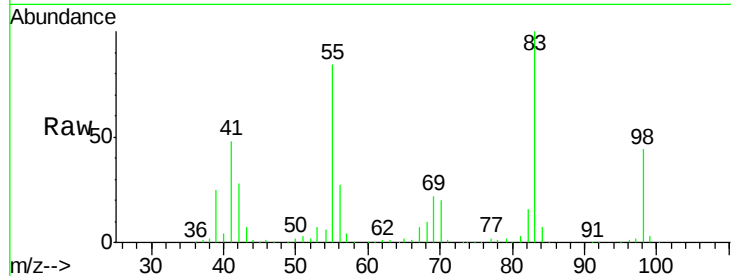
#39
Methvlcvclohexane
Concen: 21.814 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.1	67.1	100.7
98	43.6	35.1	52.7

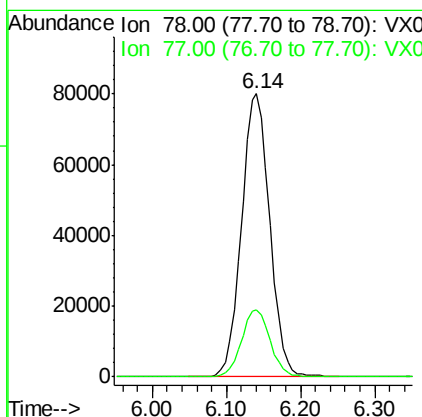
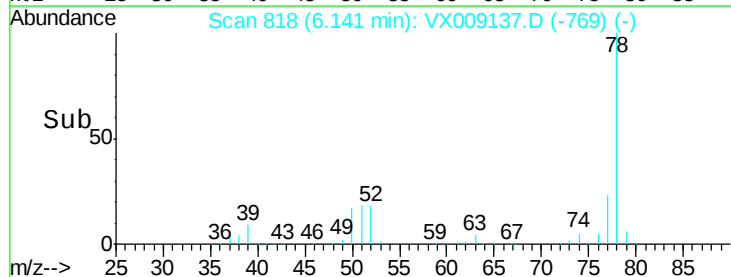
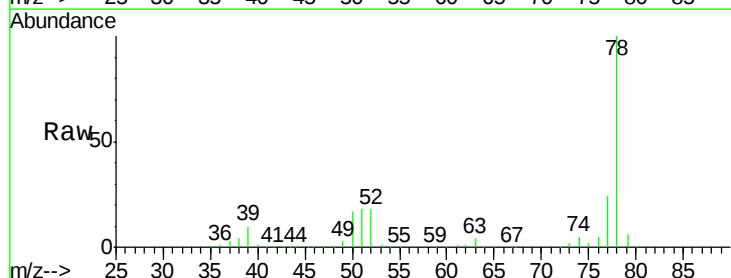
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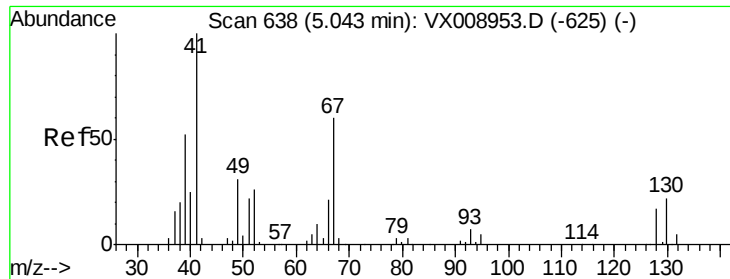
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#40
Benzene
Concen: 21.452 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





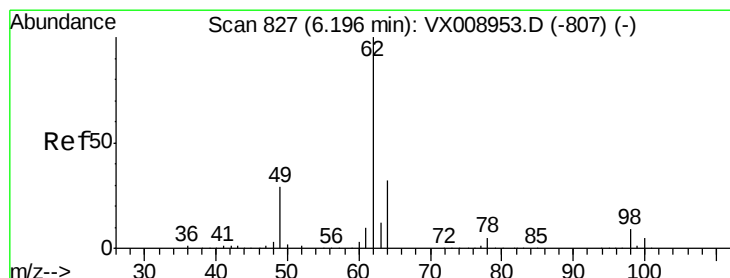
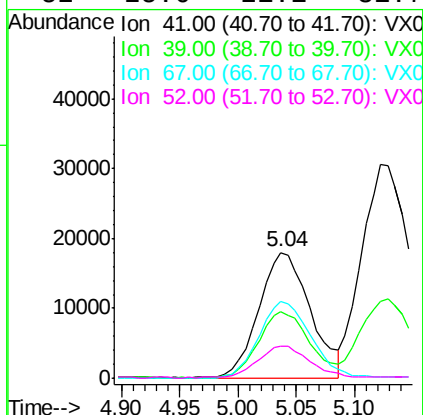
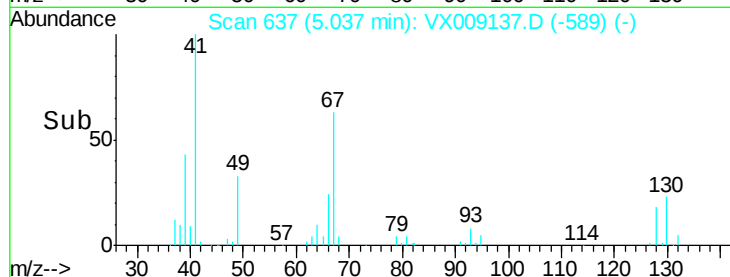
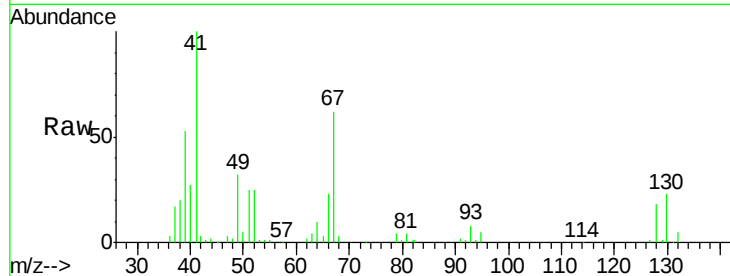
#41
Methacrylonitrile
Concen: 22.142 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	41.8	62.6	
67	62.8	50.2	75.4	
52	25.6	21.1	31.7	

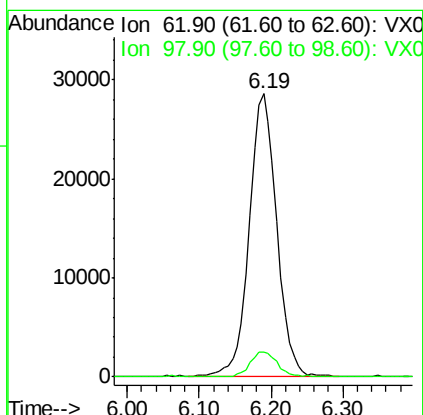
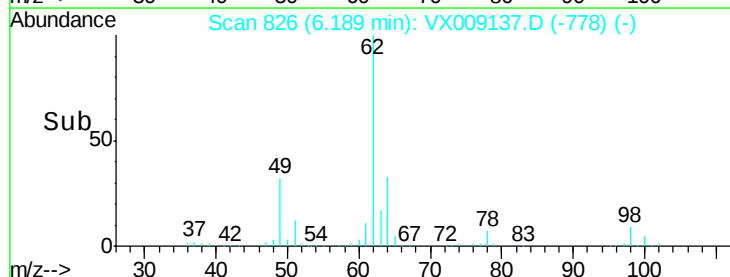
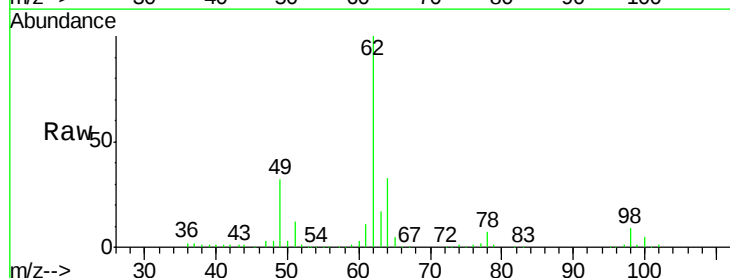
Manual Integrations
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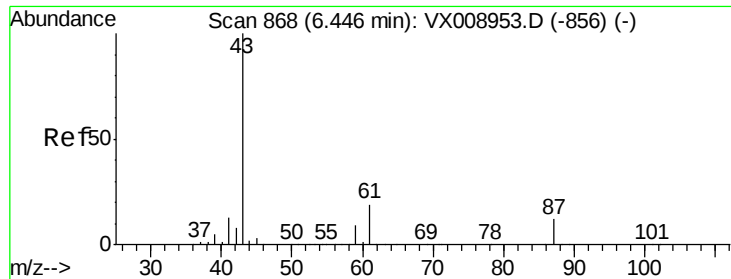
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#42
1,2-Dichloroethane
Concen: 21.430 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	18.4	





#43

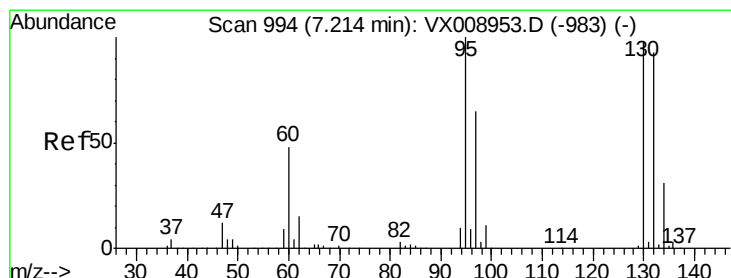
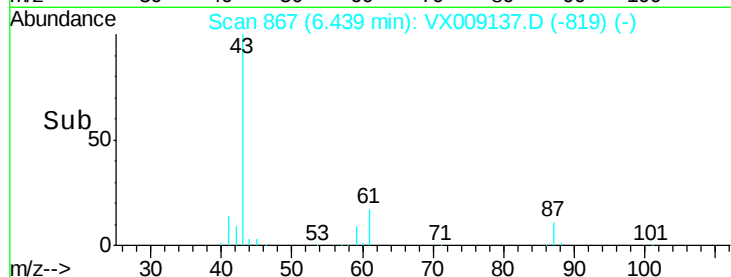
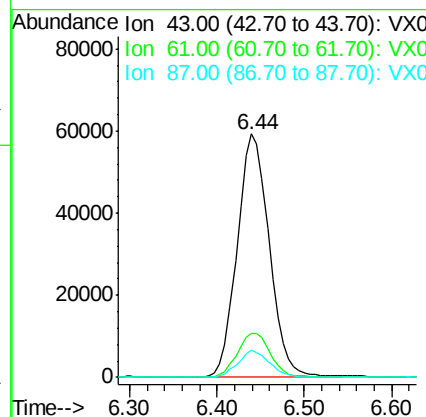
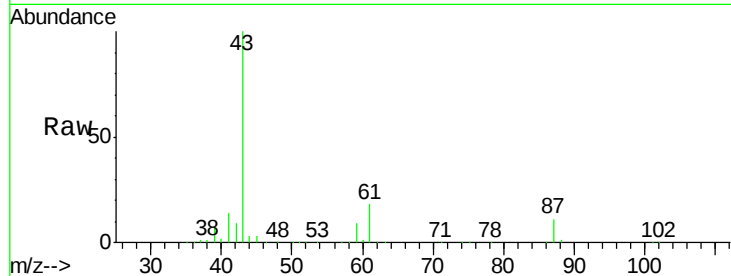
Isopropyl Acetate
 Concen: 21.576 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.4	23.0
87	11.1	9.0	13.4

Manual Integrations
 APPROVED

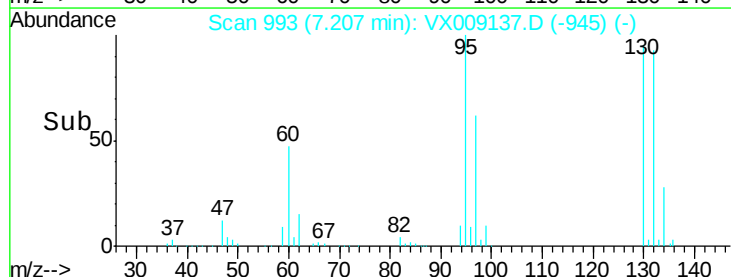
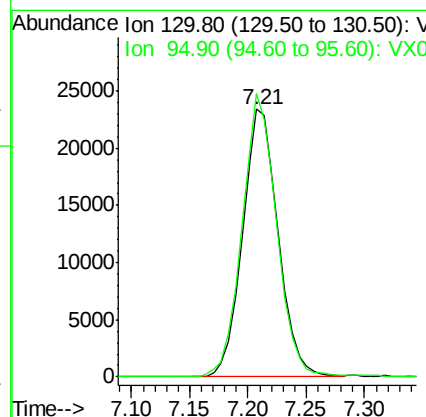
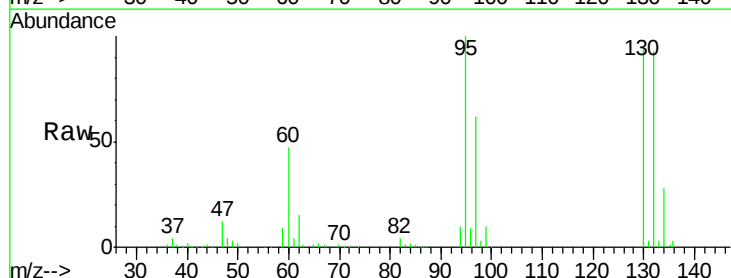
MMDadoda
 4/25/2019 12:34:16 PM

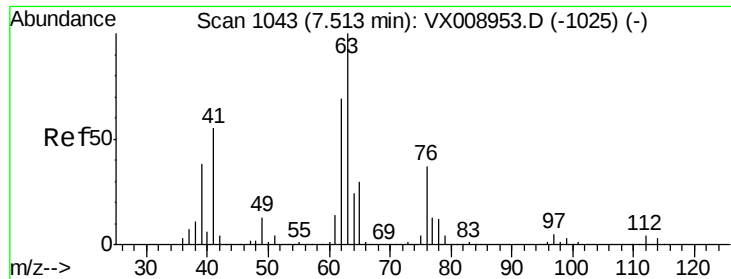


#44

Trichloroethene
 Concen: 20.492 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	203.2





#45

1,2-Dichloropropane

Concen: 21.967 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion: 63 Resp: 60413

Ion Ratio Lower Upper

63 100

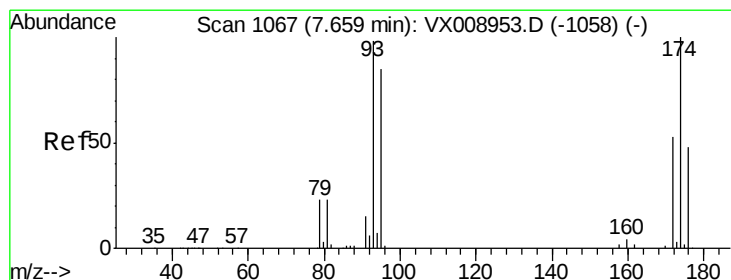
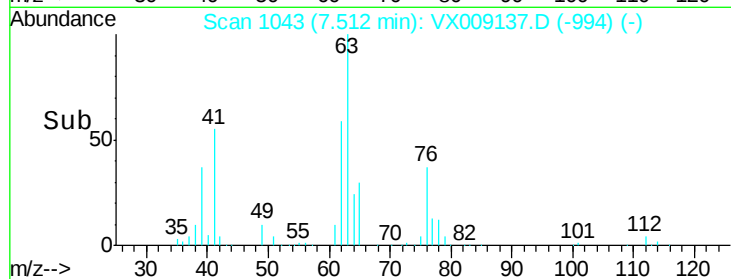
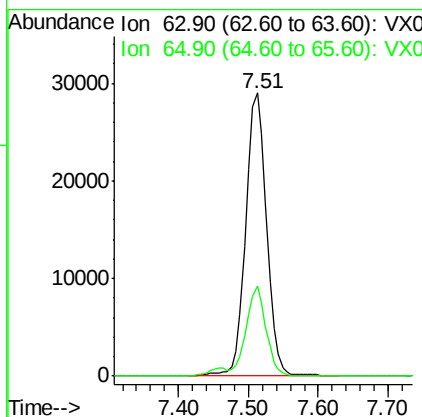
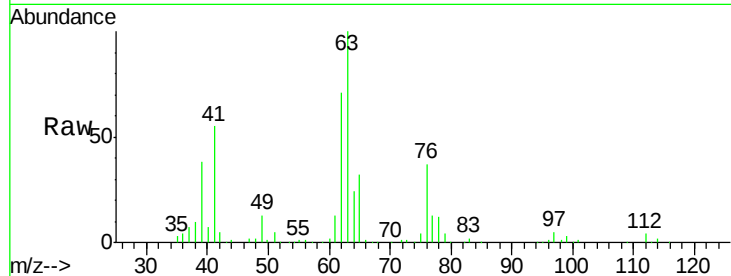
65 32.0 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

4/25/2019 12:34:16 PM



#46

Dibromomethane

Concen: 21.349 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

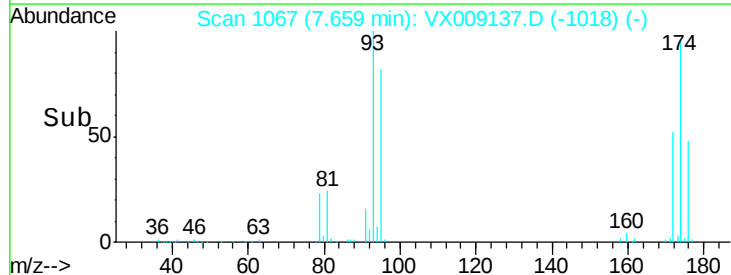
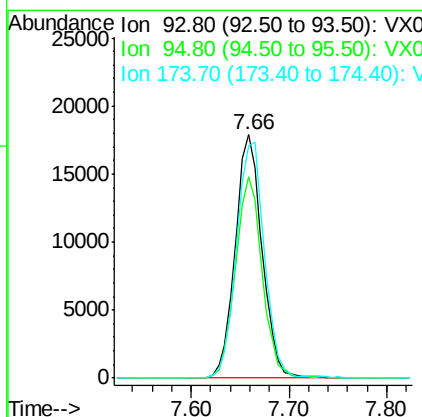
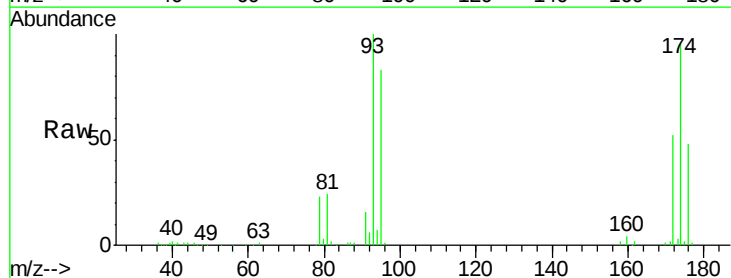
Tgt Ion: 93 Resp: 34169

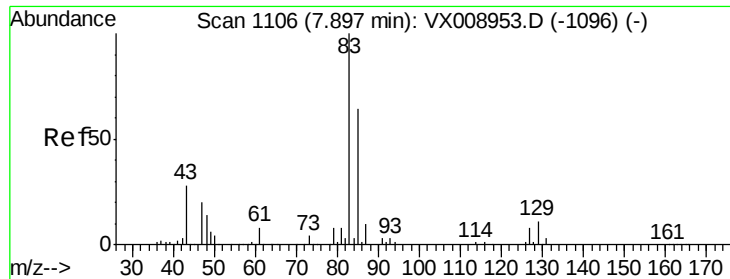
Ion Ratio Lower Upper

93 100

95 81.9 67.0 100.4

174 101.0 81.6 122.4





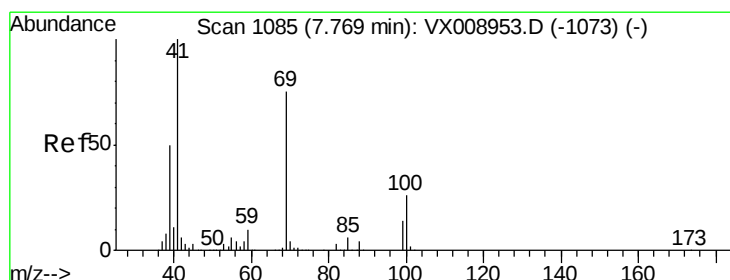
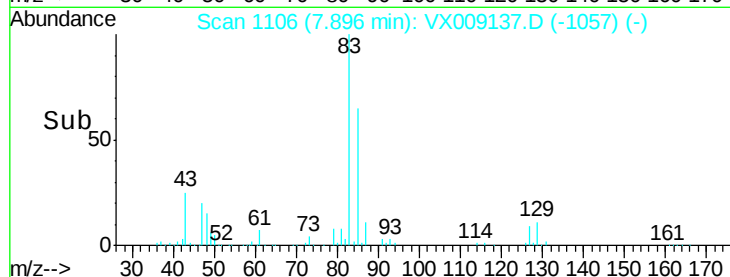
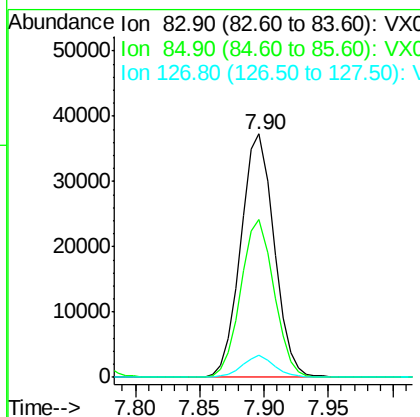
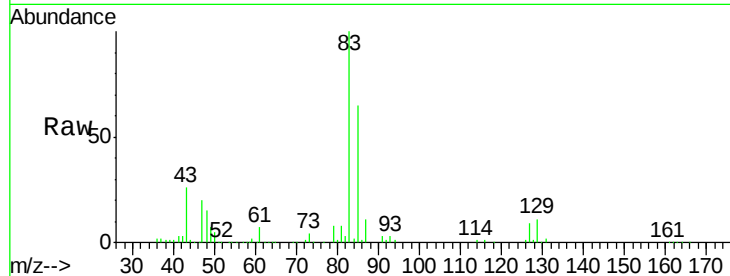
#47
Bromodichloromethane
Concen: 21.333 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion	83	Resp	66967
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	50.8	76.2
127	8.9	6.4	9.6

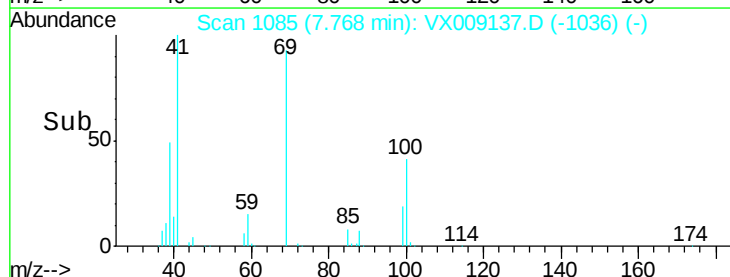
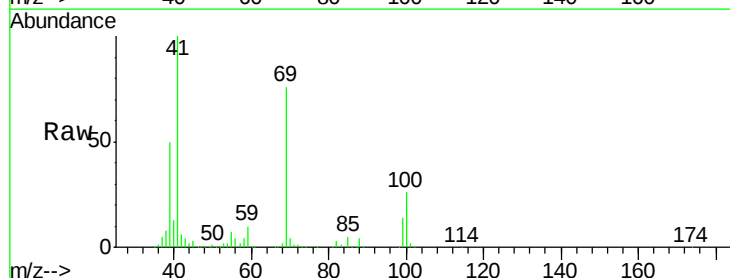
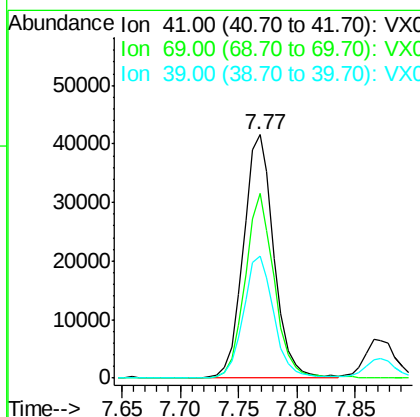
Manual Integrations
APPROVED

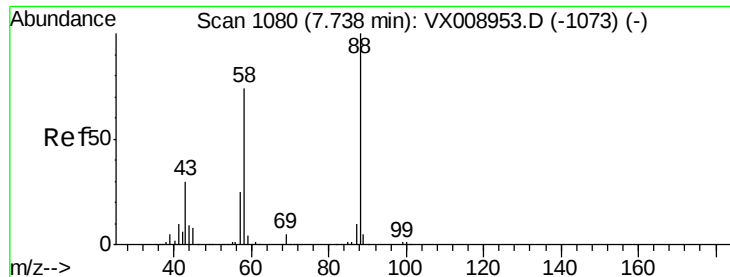
MMDadoda
4/25/2019 12:34:16 PM



#48
Methyl methacrylate
Concen: 21.828 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion	41	Resp	75152
Ion Ratio	100	Lower	Upper
41	100		
69	73.1	59.4	89.2
39	50.2	39.8	59.6





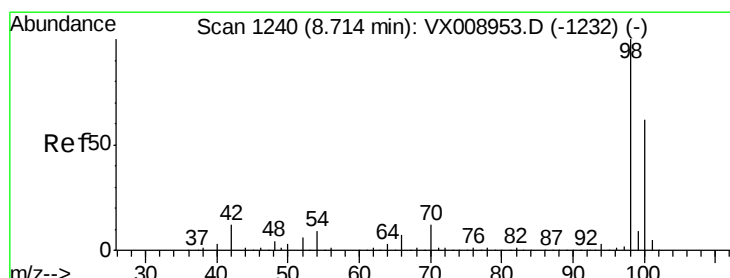
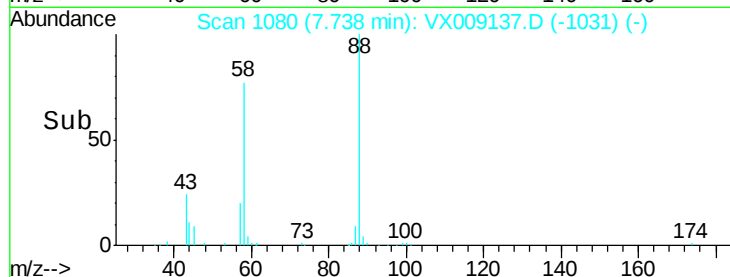
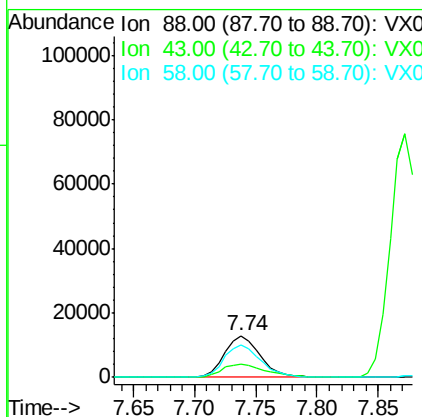
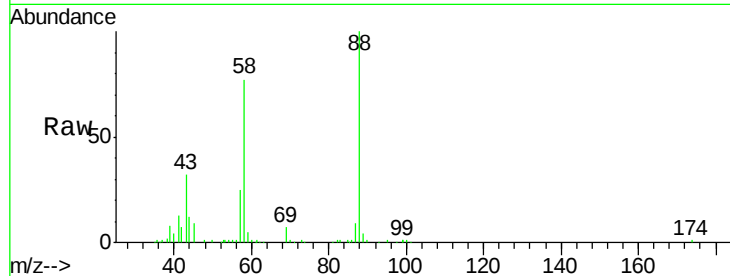
#49
1,4-Dioxane
Concen: 407.889 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	26285		
43	37.8		29.3	43.9
58	81.4		62.6	93.8

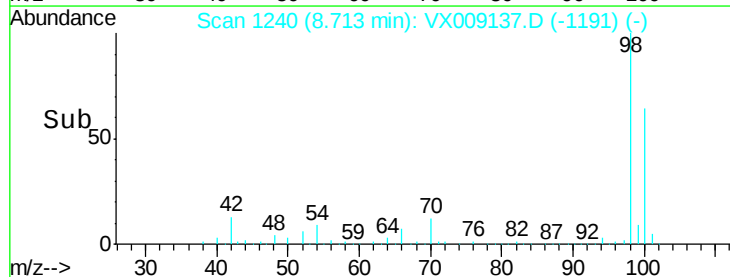
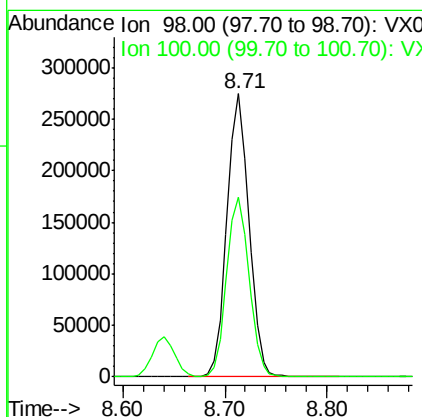
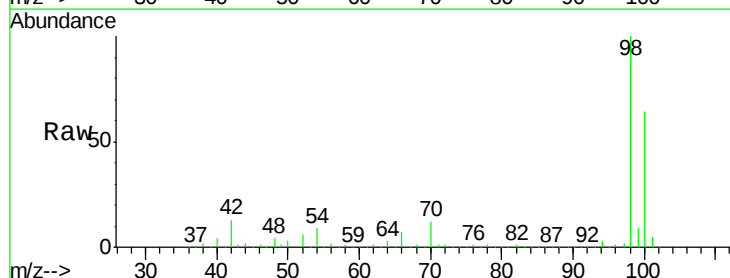
Manual Integrations
APPROVED

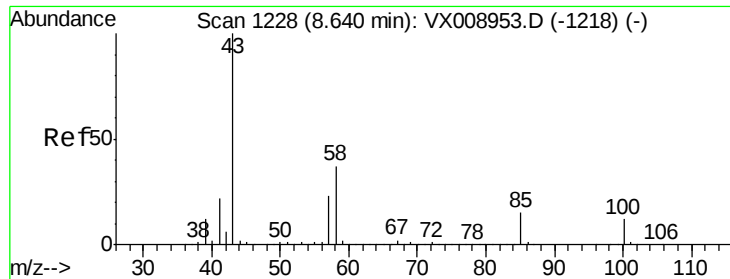
MMDadoda
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#50
Toluene-d8
Concen: 49.578 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	412286		
100	64.5		51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 110.225 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion: 43 Resp: 489303

Ion Ratio Lower Upper

43 100

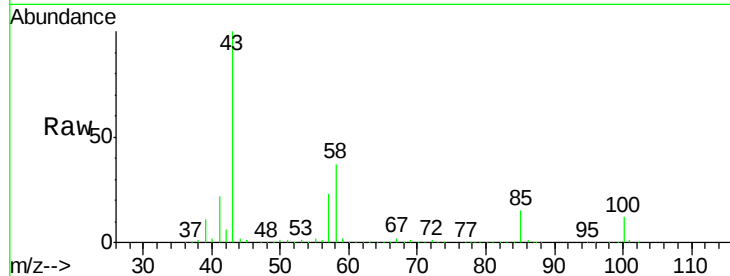
58 36.7 29.8 44.6

Manual Integrations

APPROVED

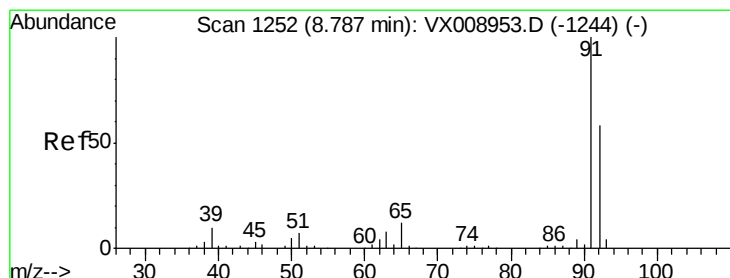
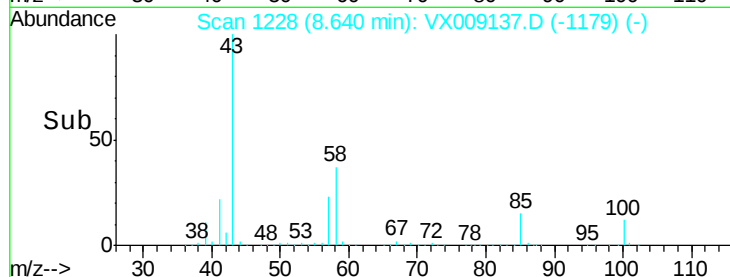
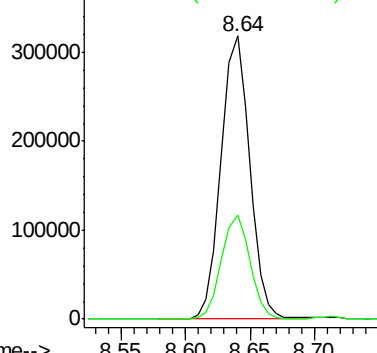
MMDadoda

4/25/2019 12:34:16 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 21.466 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009137.D

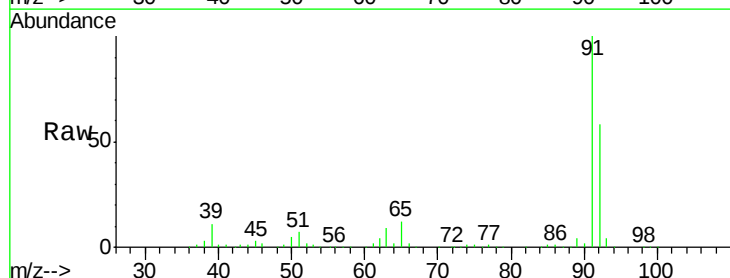
Acq: 24 Apr 2019 12:04

Tgt Ion: 92 Resp: 127530

Ion Ratio Lower Upper

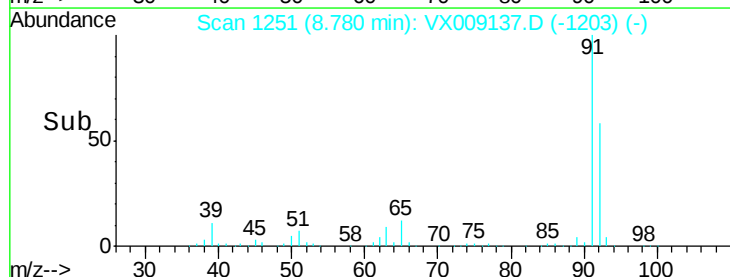
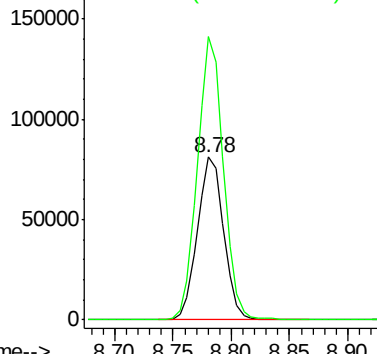
92 100

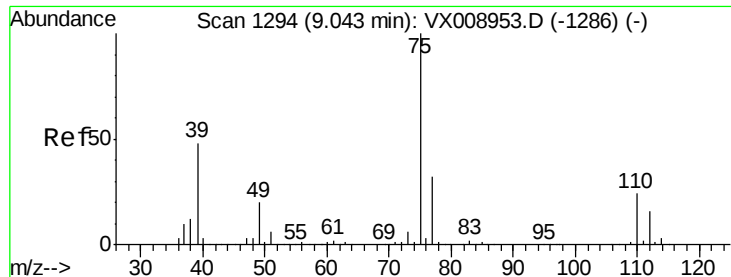
91 172.0 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





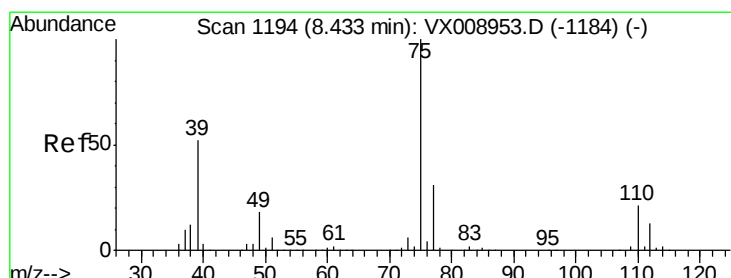
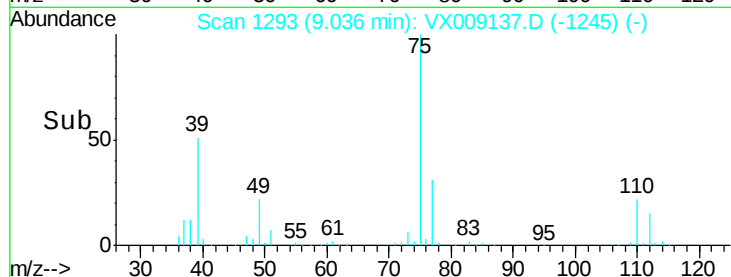
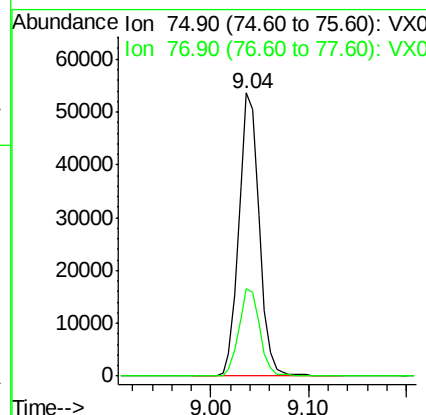
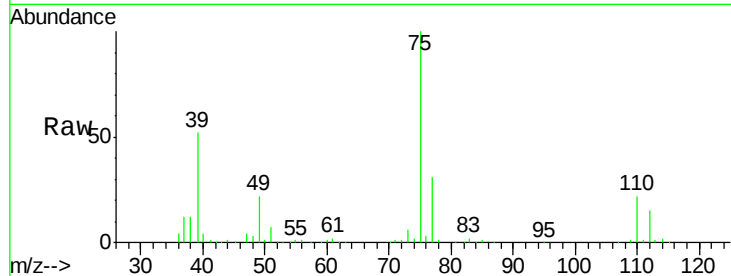
#53
t-1,3-Dichloropropene
Concen: 21.416 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion: 75 Resp: 77371
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

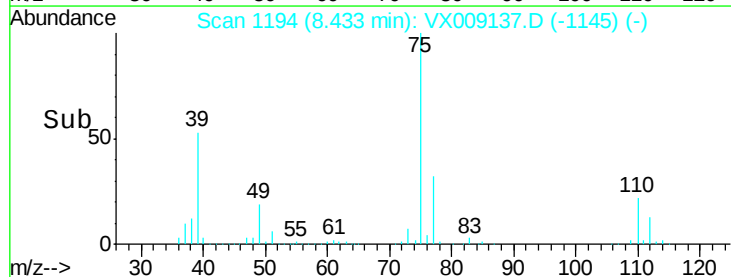
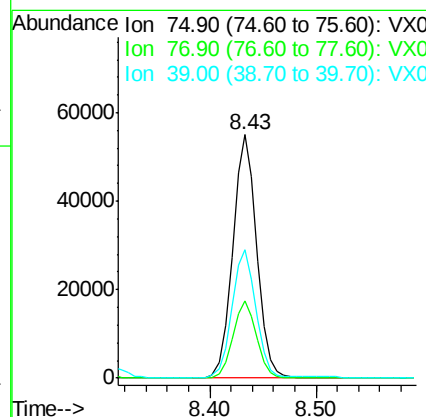
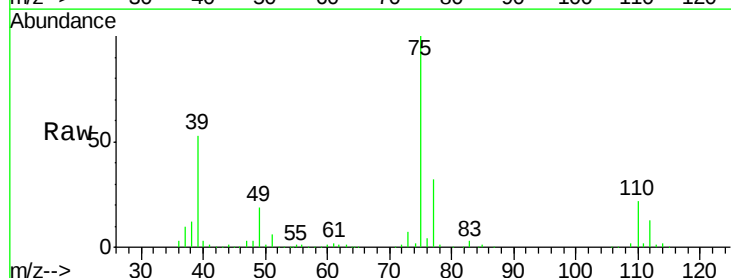
Manual Integrations
APPROVED

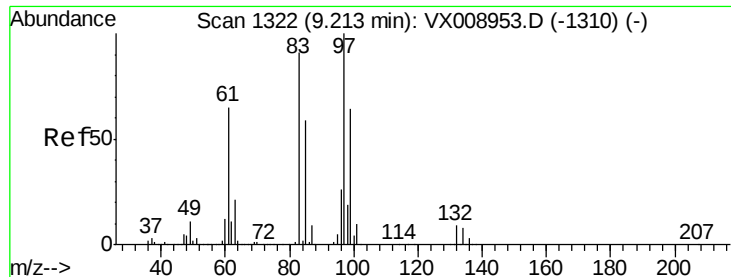
MMDadoda
4/25/2019 12:34:16 PM



#54
cis-1,3-Dichloropropene
Concen: 21.358 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 75 Resp: 86399
Ion Ratio Lower Upper
75 100
77 31.9 24.8 37.2
39 52.5 41.8 62.6





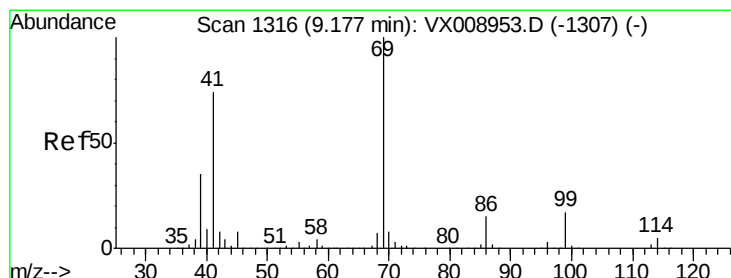
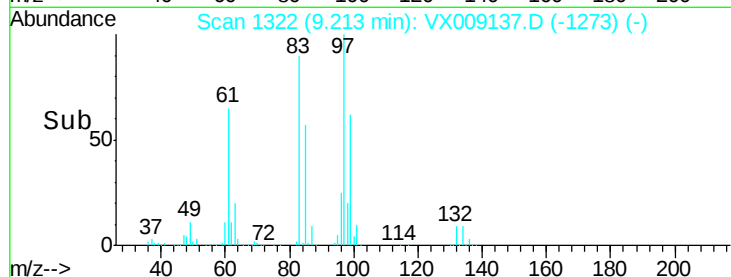
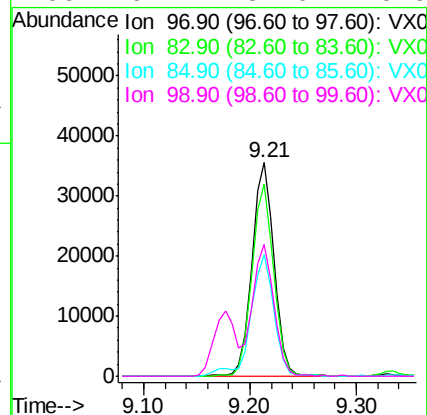
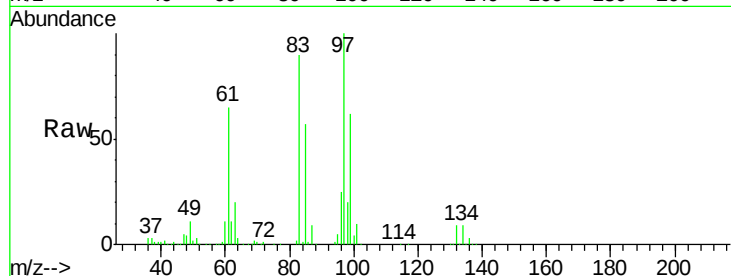
#55
 1,1,2-Trichloroethane
 Concen: 21.966 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.8	72.6	108.8
85	57.0	46.9	70.3
99	61.7	51.0	76.6

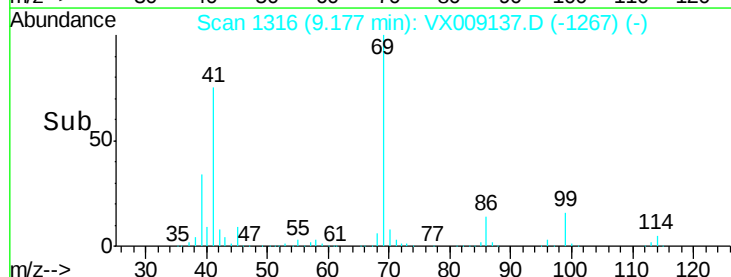
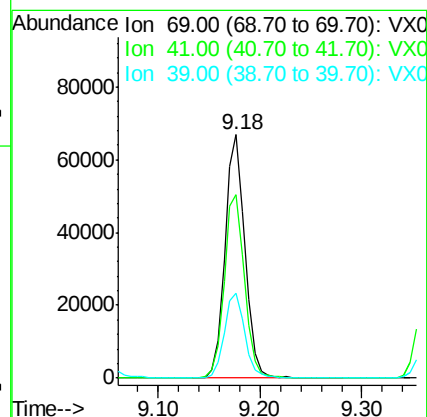
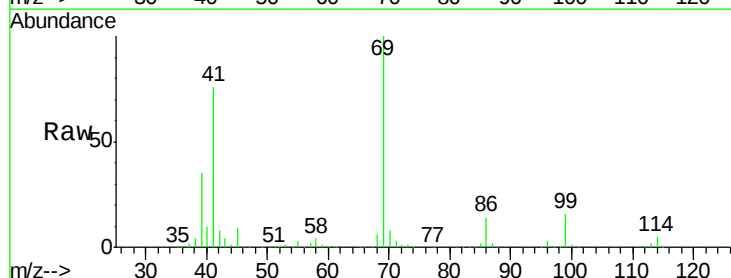
Manual Integrations
 APPROVED

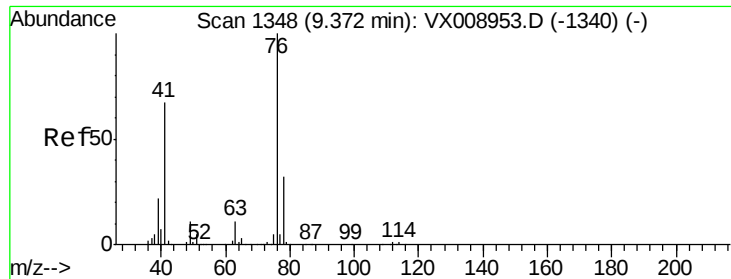
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 4/25/2019 12:34:16 PM



#56
 Ethyl methacrylate
 Concen: 21.669 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.8	60.2	90.2
39	35.5	27.9	41.9





#57

1,3-Dichloropropane

Concen: 21.868 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion: 76 Resp: 91680

Ion Ratio Lower Upper

76 100

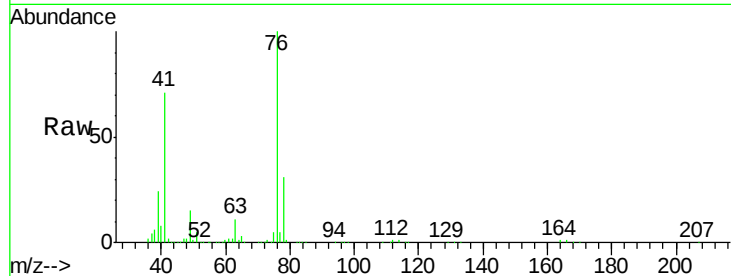
78 31.9 25.7 38.5

Manual Integrations

APPROVED

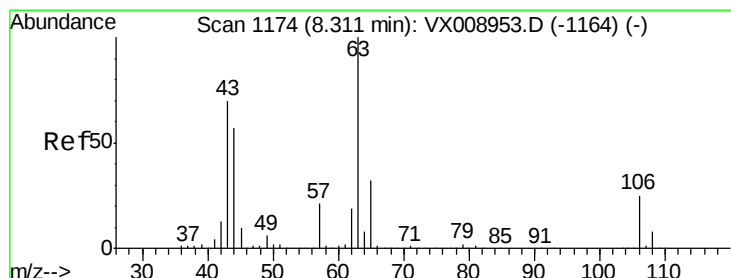
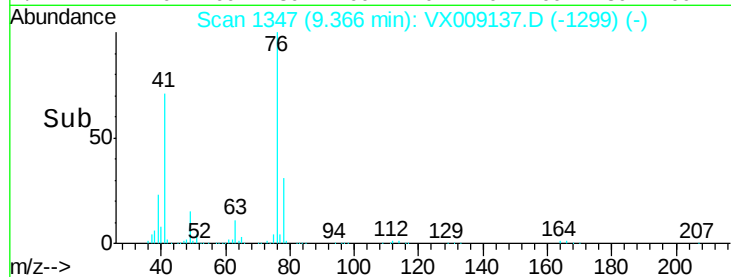
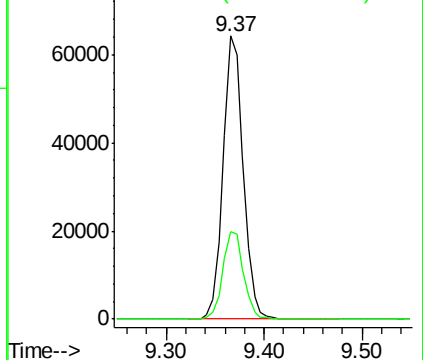
MMDadoda

4/25/2019 12:34:16 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 99.725 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009137.D

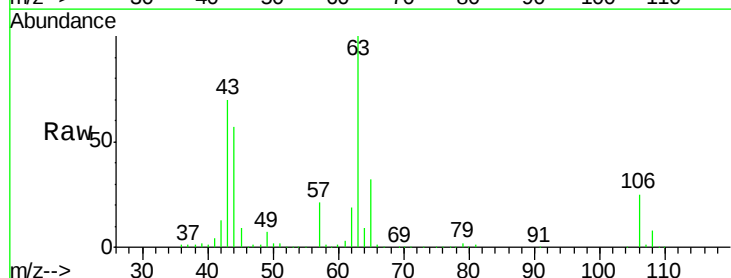
Acq: 24 Apr 2019 12:04

Tgt Ion: 63 Resp: 226733

Ion Ratio Lower Upper

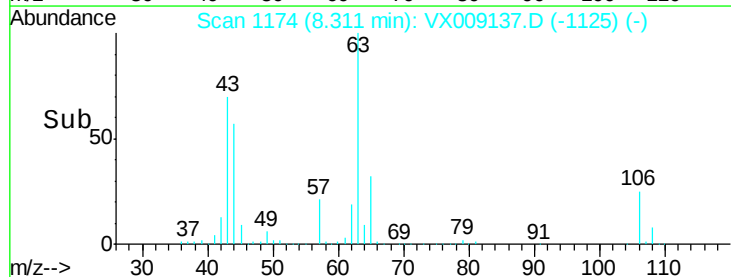
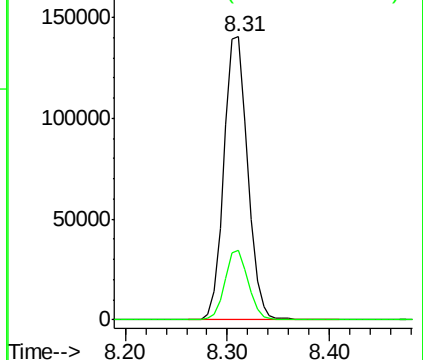
63 100

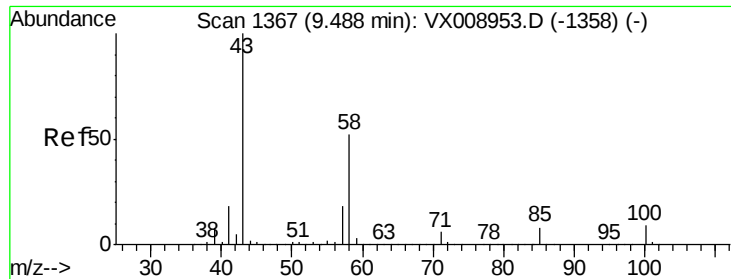
106 24.1 19.8 29.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





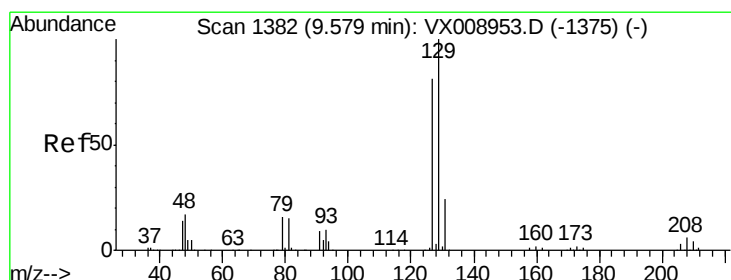
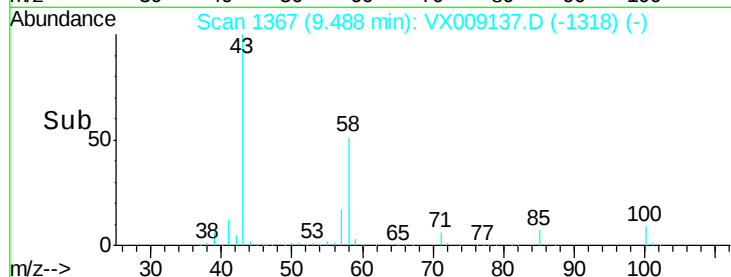
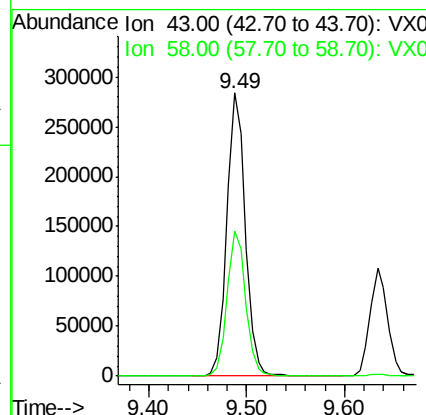
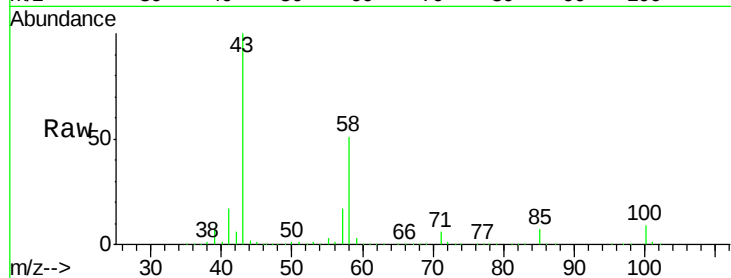
#59
2-Hexanone
Concen: 108.675 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion: 43 Resp: 371938
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.8

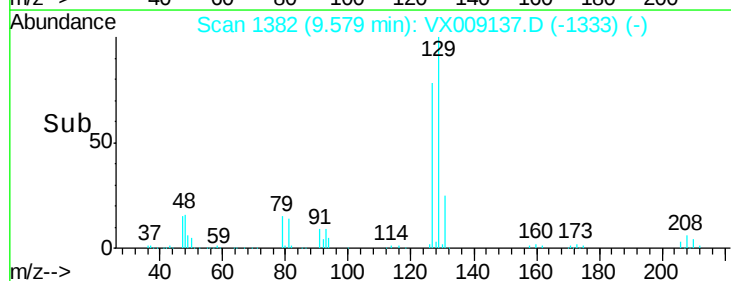
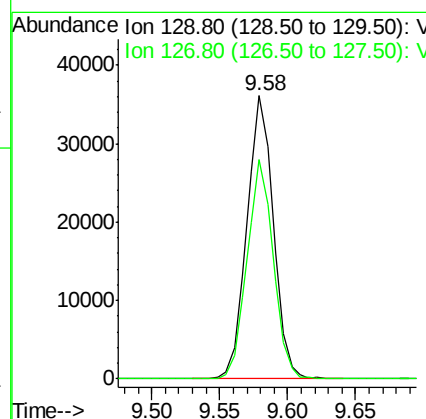
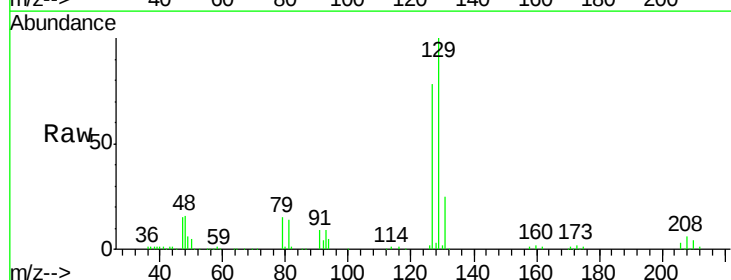
Manual Integrations
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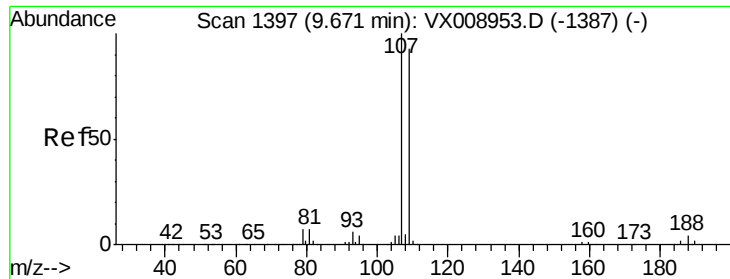
MMDadoda
4/25/2019 12:34:16 PM



#60
Dibromochloromethane
Concen: 21.869 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion:129 Resp: 49351
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.363 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion:107 Resp: 51916

Ion Ratio Lower Upper

107 100

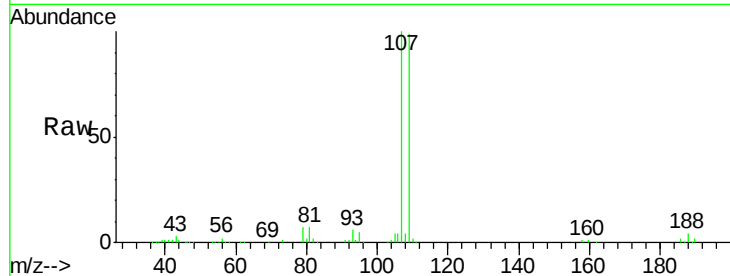
109 95.3 74.4 111.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

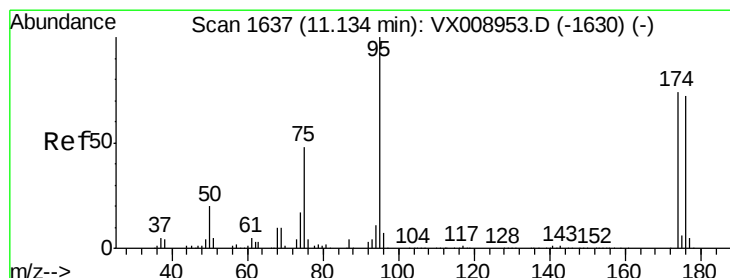
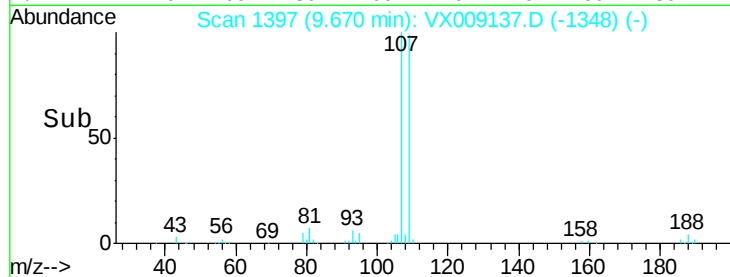
20000

10000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.580 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

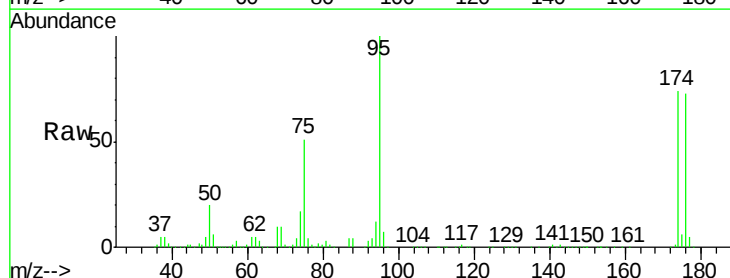
Tgt Ion: 95 Resp: 148479

Ion Ratio Lower Upper

95 100

174 78.1 0.0 159.6

176 76.9 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

150000

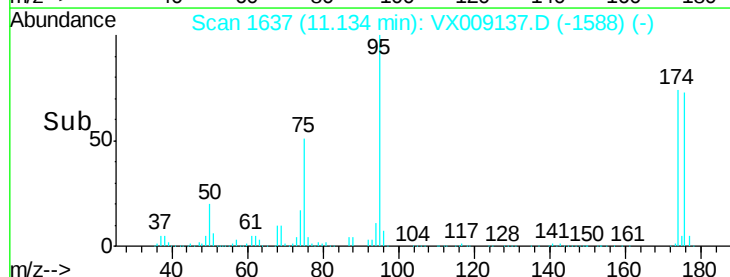
100000

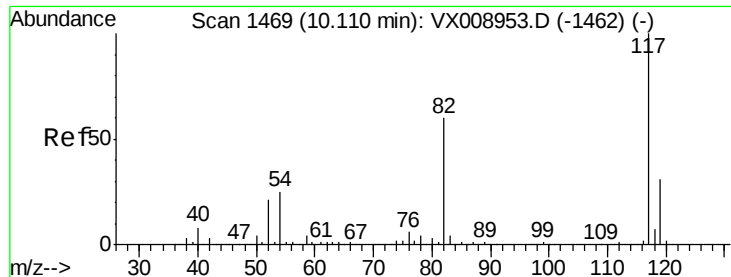
50000

0

11.10 11.20

Time-->





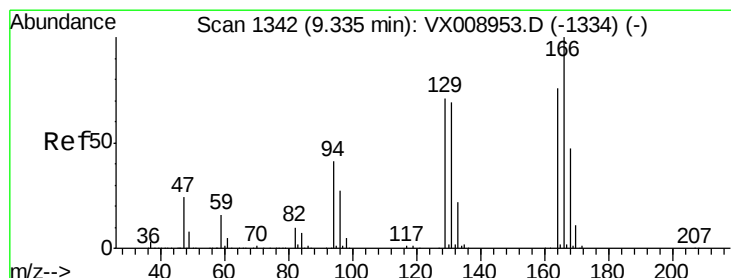
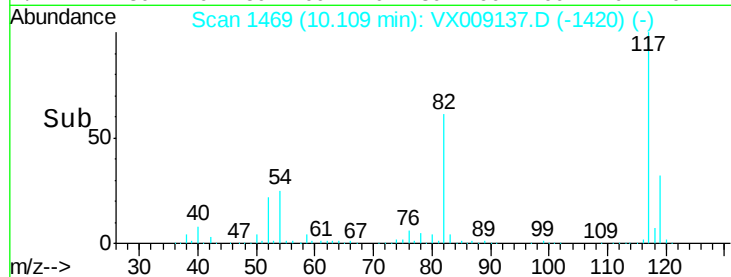
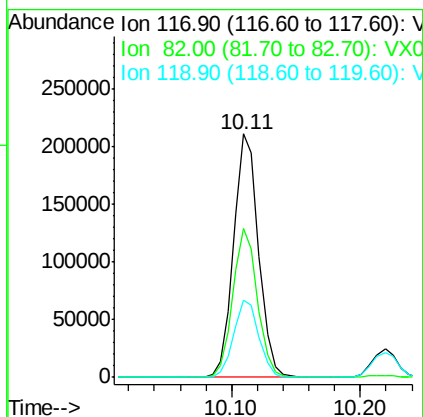
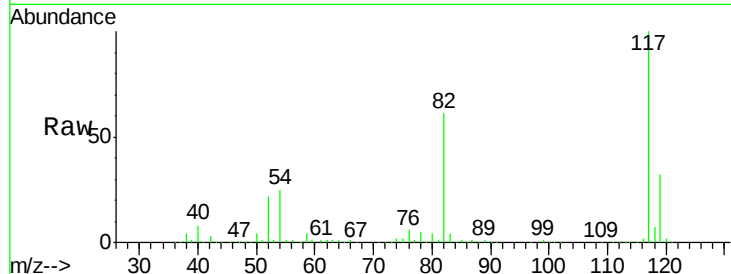
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	48.2	72.4
119	31.9	25.0	37.6

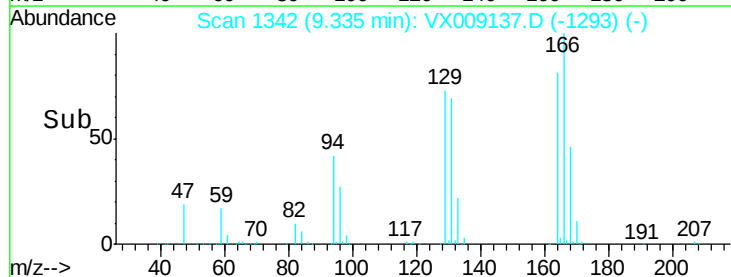
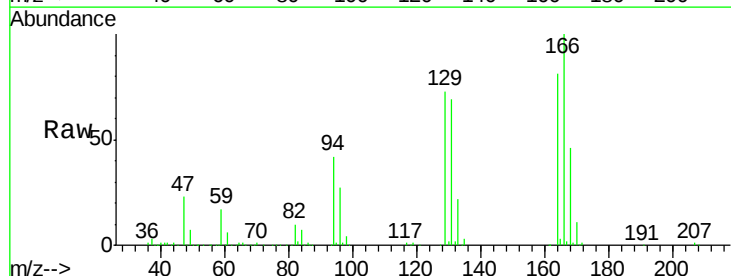
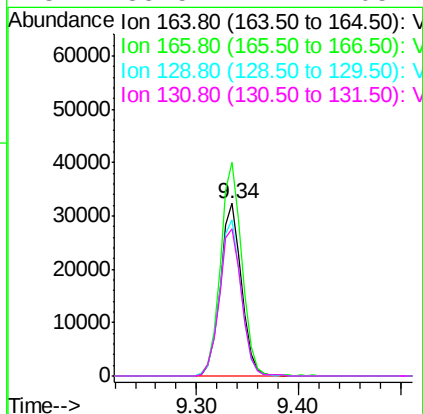
Manual Integrations
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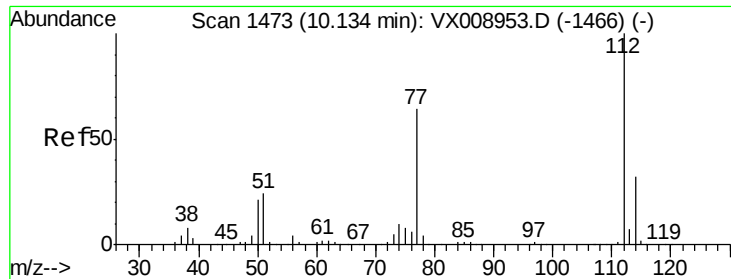
MMDadoda
4/25/2019 12:34:16 PM



#64
Tetrachloroethene
Concen: 21.695 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	105.0	157.4
129	90.6	74.2	111.4
131	85.5	72.2	108.2





#65

Chlorobenzene

Concen: 21.241 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampled :

VX0424WBS01

Tot Ion:112 Resp: 127656

Ion Ratio Lower Upper

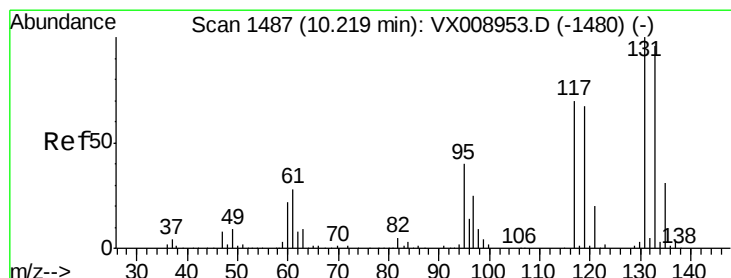
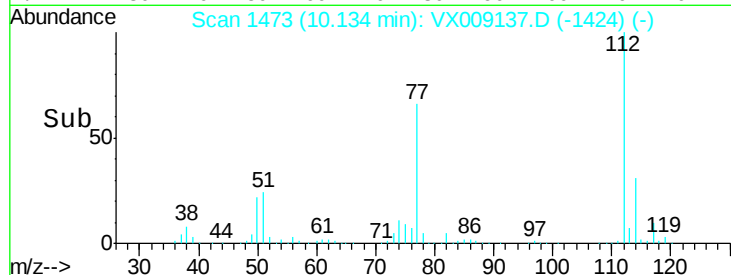
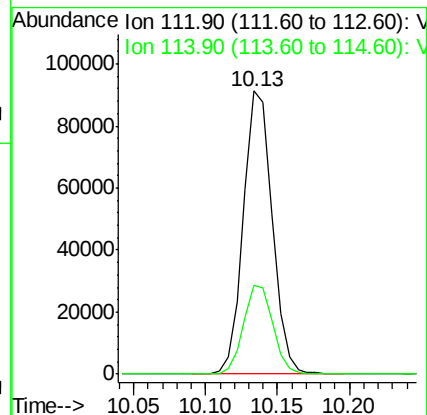
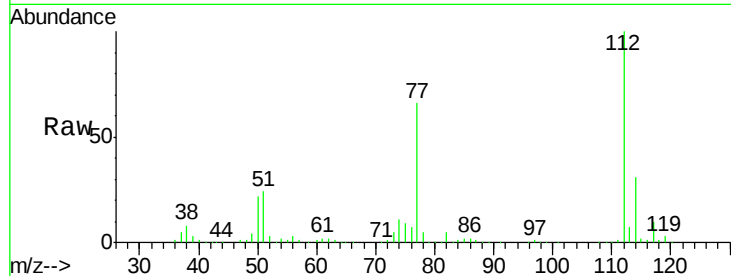
112 100

114 31.4 25.4 38.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.712 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

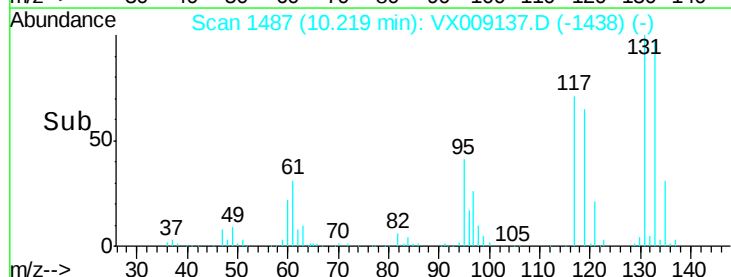
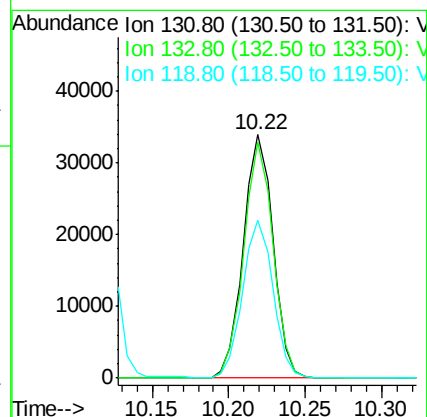
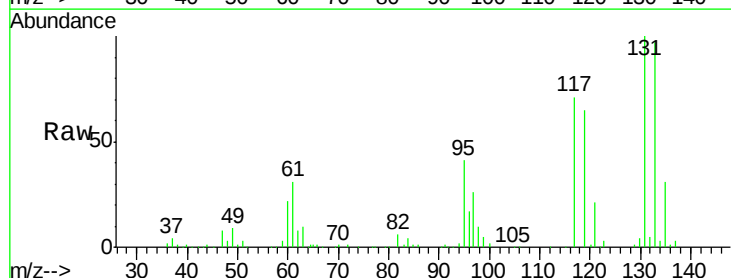
Tgt Ion:131 Resp: 45970

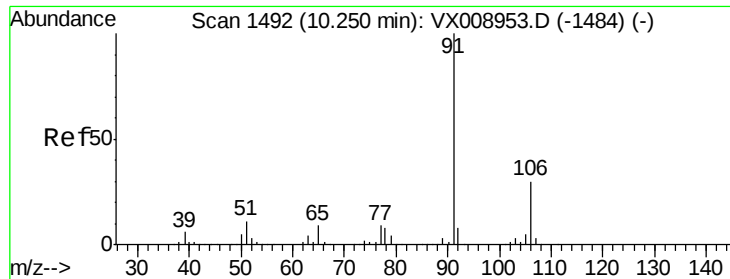
Ion Ratio Lower Upper

131 100

133 95.8 48.0 144.2

119 66.4 33.7 101.1





#67

Ethyl Benzene

Concen: 21.590 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion: 91 Resp: 237196

Ion Ratio Lower Upper

91 100

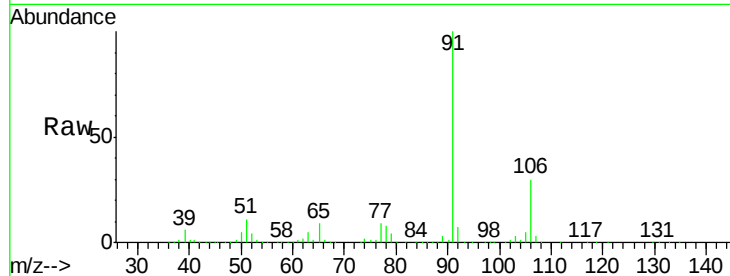
106 30.2 24.3 36.5

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Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1484) (-)

Ion 106.00 (105.70 to 106.70): VX008953.D (-1484) (-)

250000

200000

150000

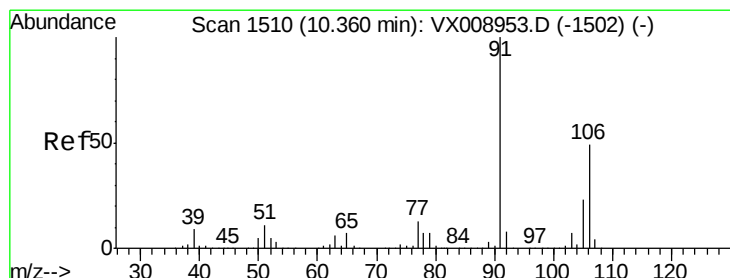
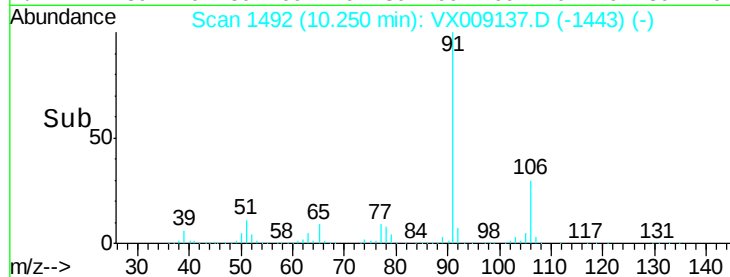
100000

50000

0

10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 42.856 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009137.D

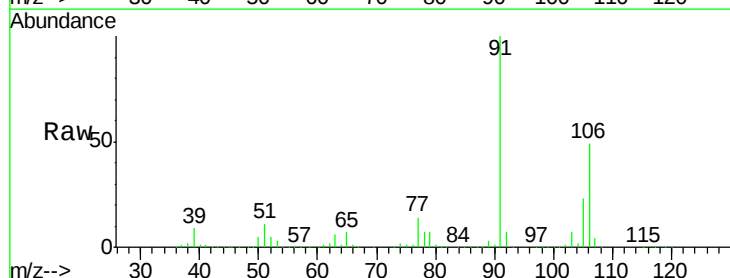
Acq: 24 Apr 2019 12:04

Tgt Ion: 106 Resp: 171116

Ion Ratio Lower Upper

106 100

91 208.2 165.4 248.2



Abundance Ion 106.00 (105.70 to 106.70): VX008953.D (-1502) (-)

Ion 91.00 (90.70 to 91.70): VX008953.D (-1502) (-)

300000

250000

200000

150000

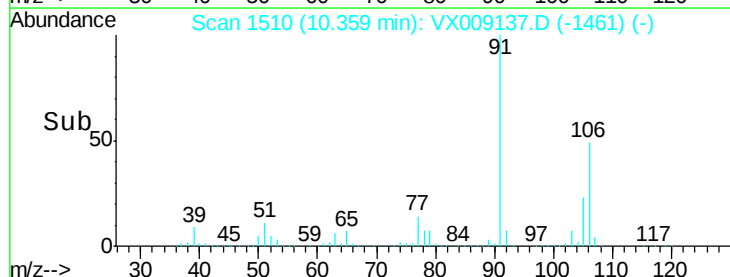
100000

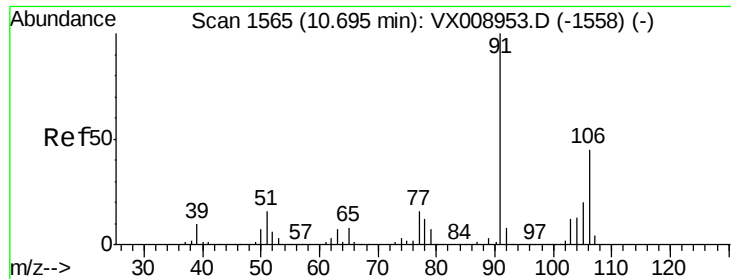
50000

0

10.30 10.40

Time-->





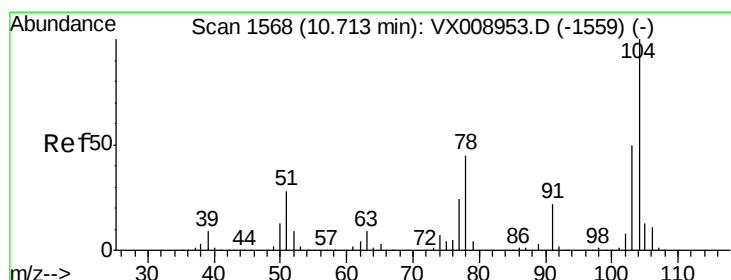
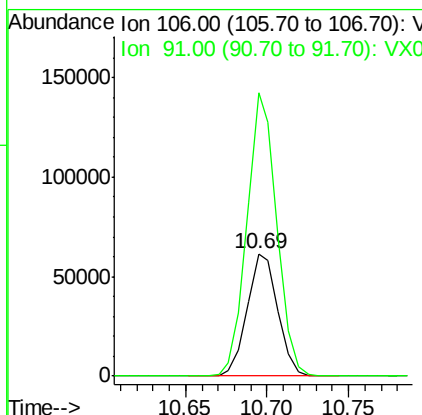
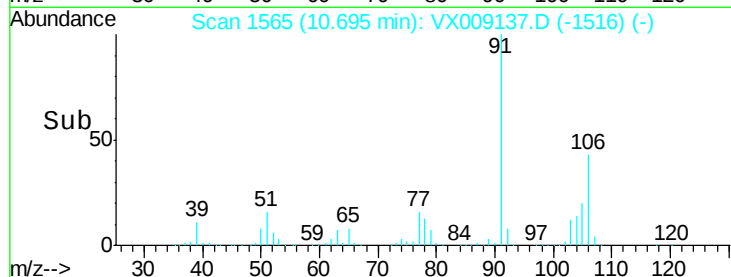
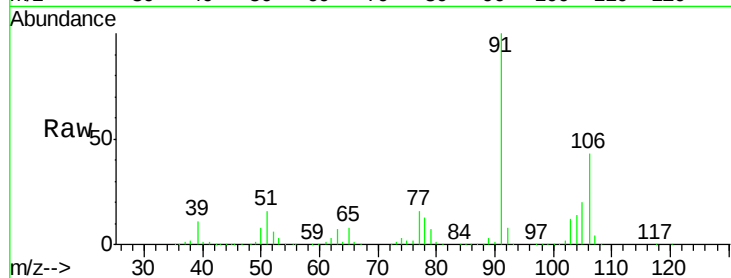
#69
o-Xylene
Concen: 20.835 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion:106 Resp: 80945
Ion Ratio Lower Upper
106 100
91 224.1 108.9 326.7

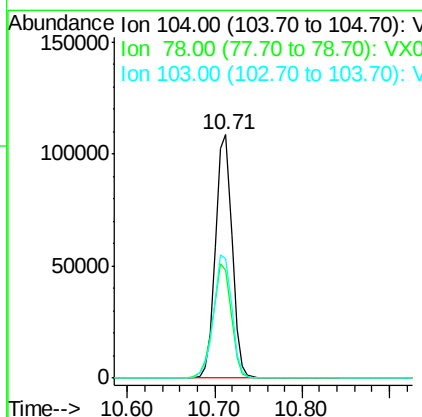
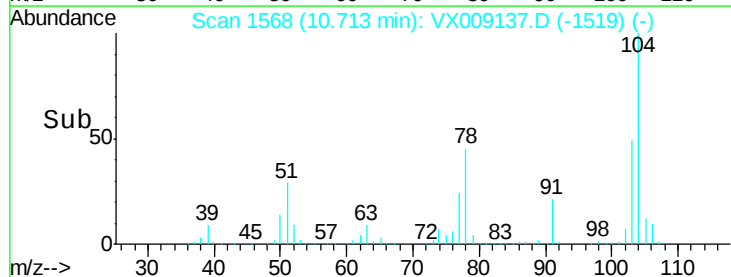
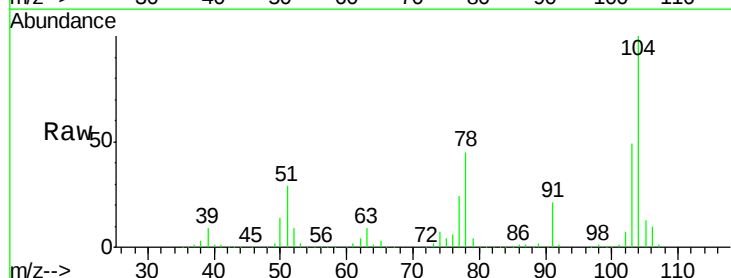
Manual Integrations
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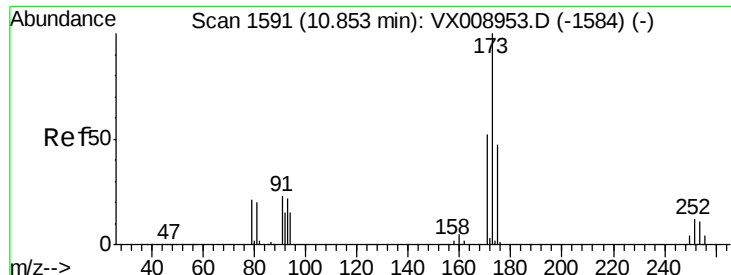
MMDadoda
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#70
Styrene
Concen: 21.237 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion:104 Resp: 142978
Ion Ratio Lower Upper
104 100
78 52.0 41.2 61.8
103 55.2 43.9 65.9





#71

Bromoform

Concen: 21.045 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion:173 Resp: 35498

Ion Ratio Lower Upper

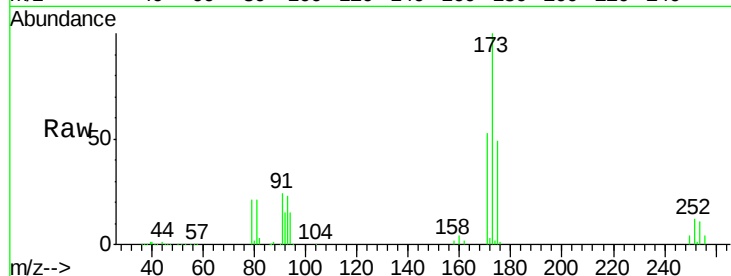
173 100

175 47.6 23.9 71.8

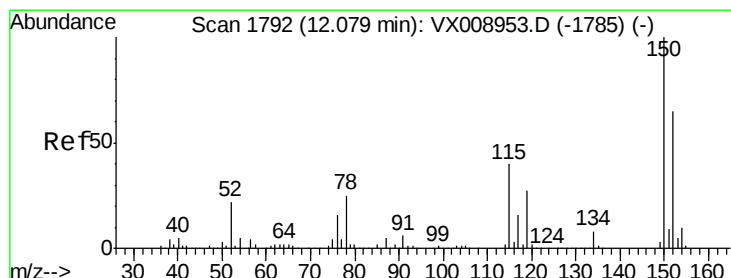
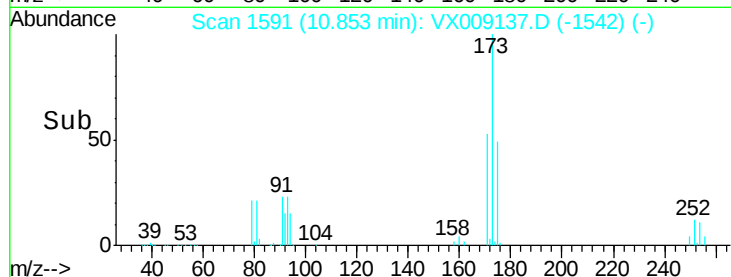
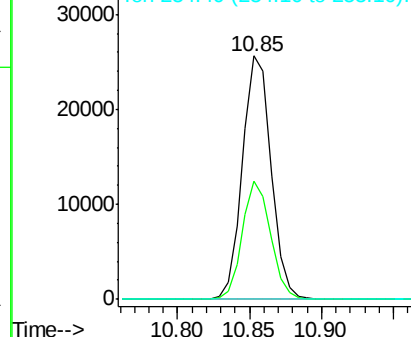
254 0.1 0.2 0.4#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

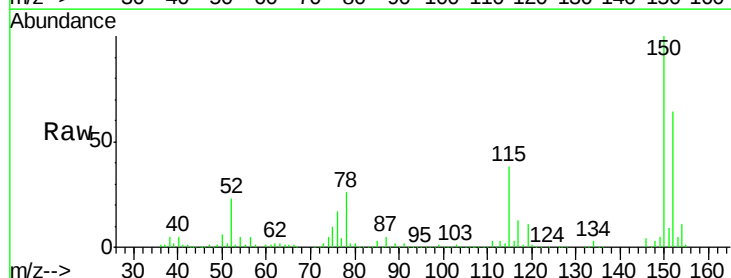
Tgt Ion:152 Resp: 134394

Ion Ratio Lower Upper

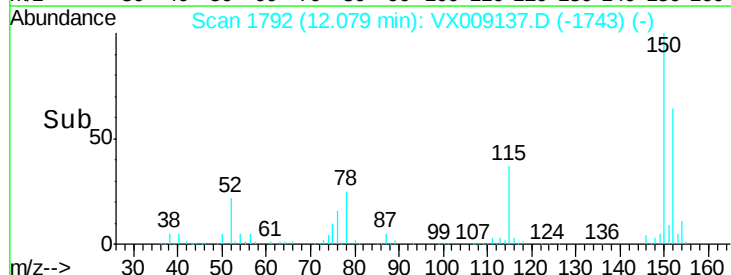
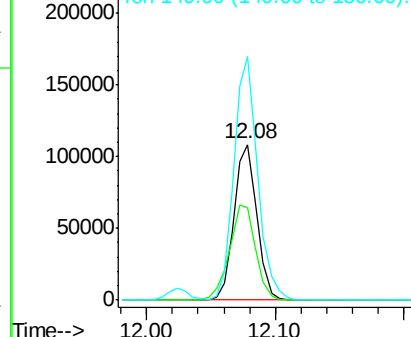
152 100

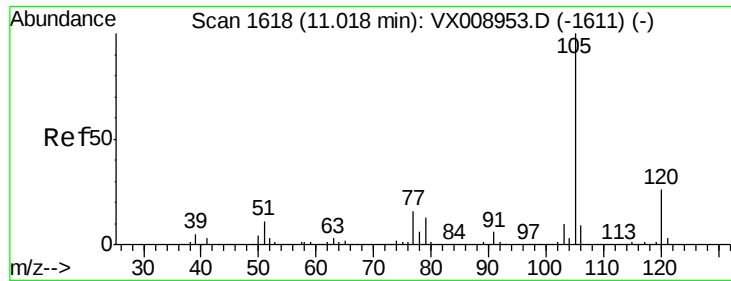
115 70.2 41.4 124.2

150 163.4 0.0 349.8



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





#73

Isopropylbenzene

Concen: 21.903 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion: 105 Resp: 223127

Ion Ratio Lower Upper

105 100

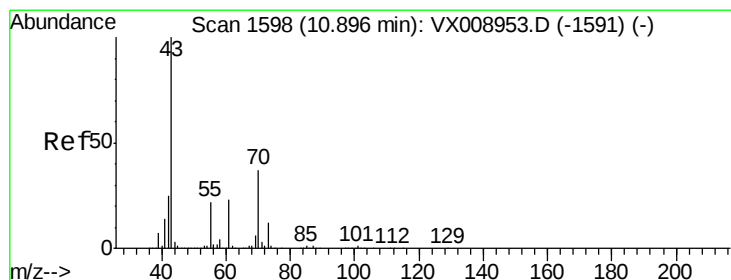
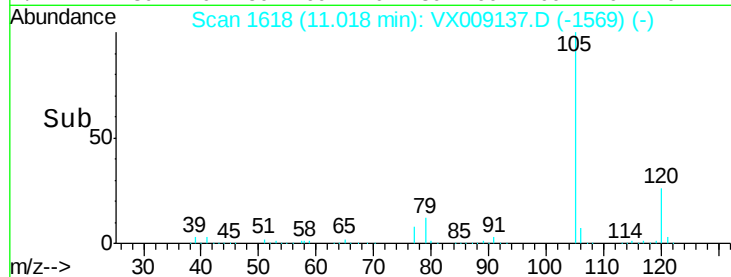
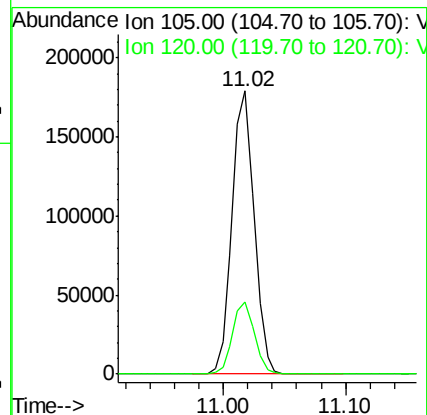
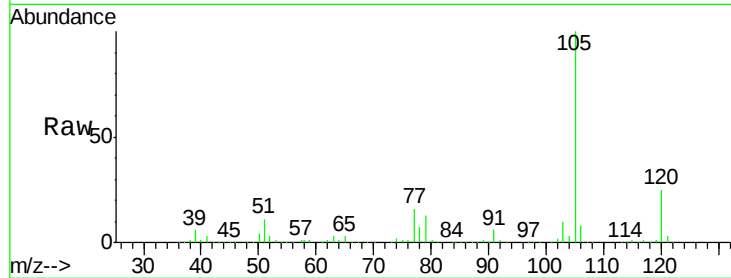
120 25.4 12.9 38.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.664 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Tgt Ion: 43 Resp: 126713

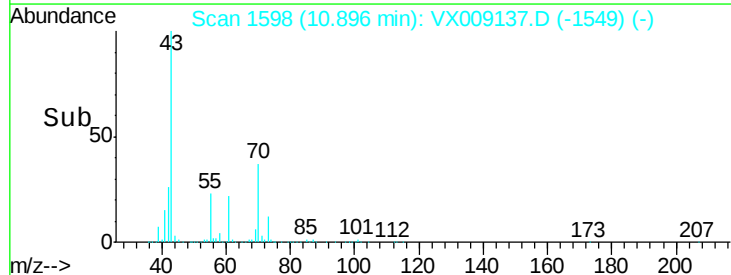
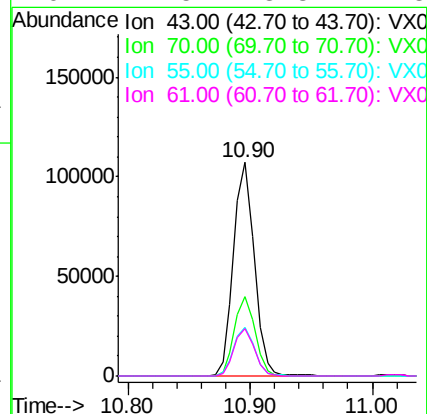
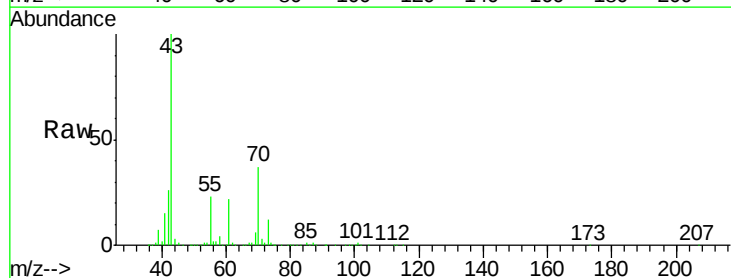
Ion Ratio Lower Upper

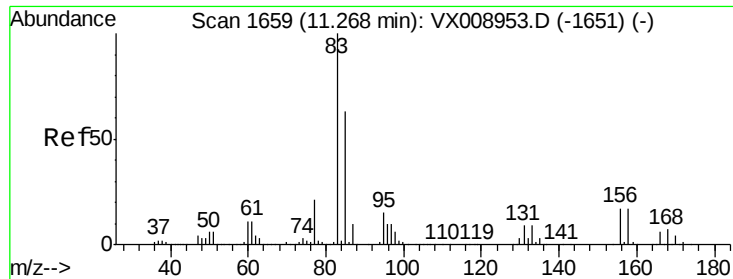
43 100

70 37.1 29.9 44.9

55 23.0 17.8 26.8

61 22.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.787 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

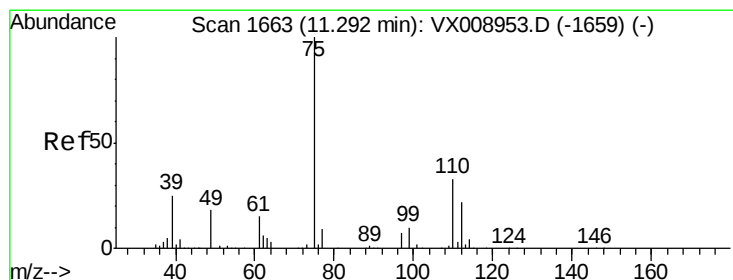
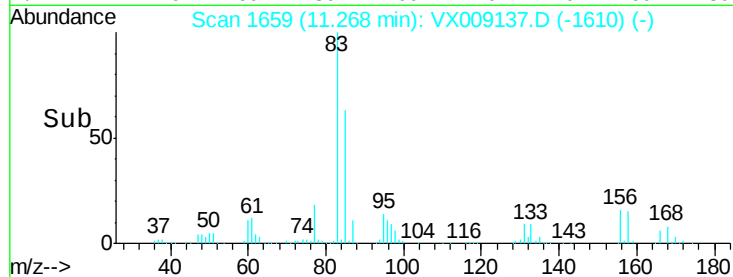
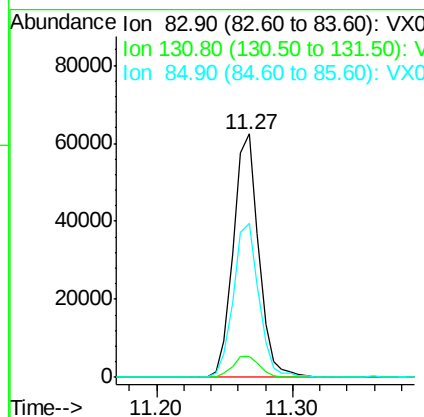
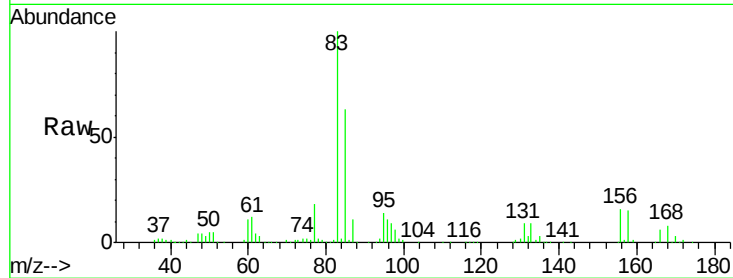
ClientSampleId :

VX0424WBS01

Tot Ion:	83	Resp:	81092
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.0
85	64.0	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.881 ug/l m

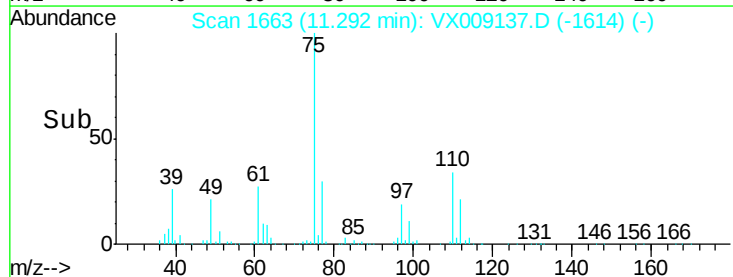
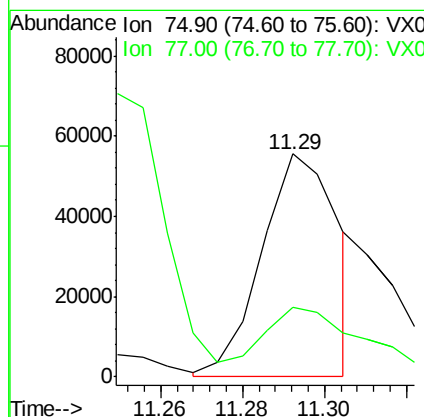
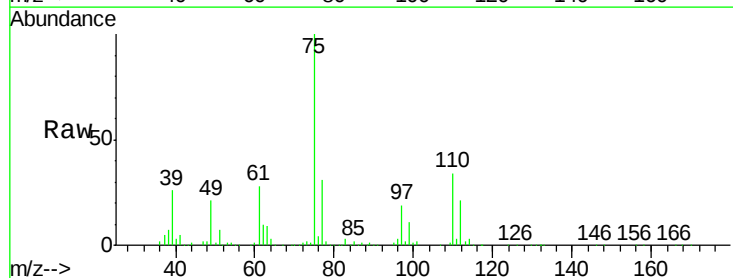
RT: 11.29 min Scan# 1663

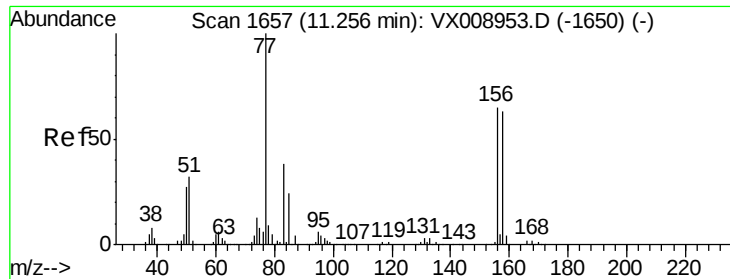
Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Tgt Ion:	75	Resp:	71807
Ion Ratio	Lower	Upper	
75	100		
77	42.1	22.7	68.0





#77

Bromobenzene

Concen: 20.922 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion:156 Resp: 53774

Ion Ratio Lower Upper

156 100

77 172.0 85.4 256.1

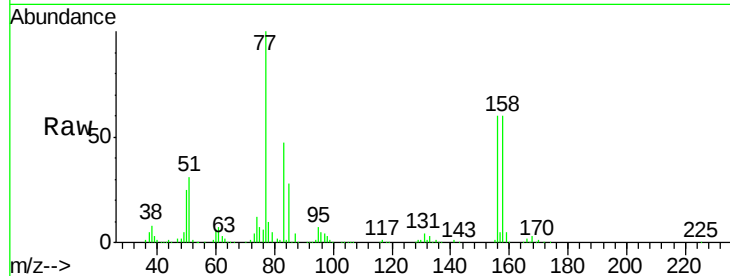
158 98.2 48.8 146.4

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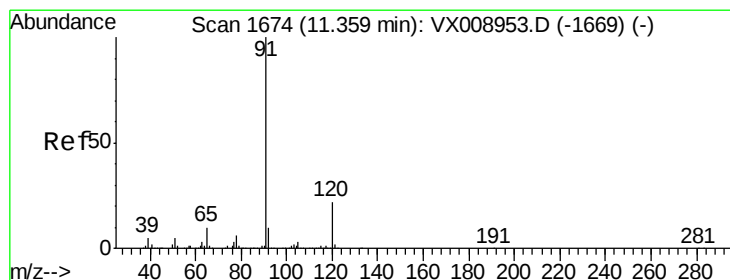
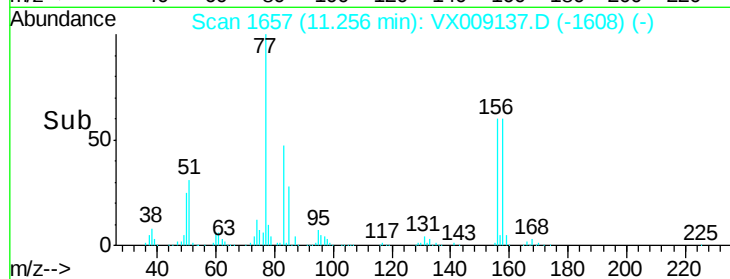
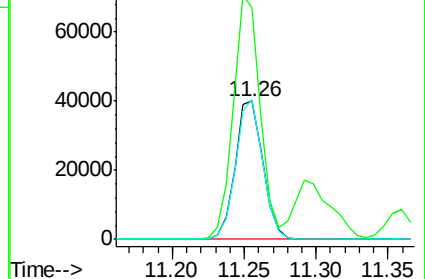
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.151 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009137.D

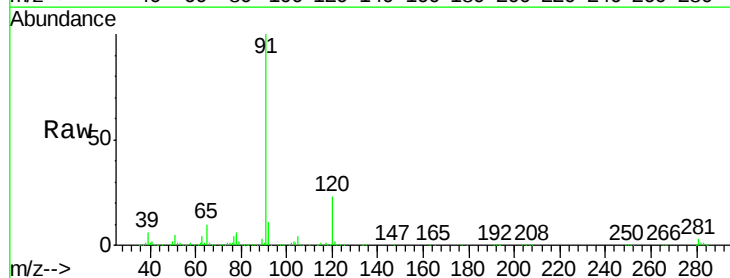
Acq: 24 Apr 2019 12:04

Tgt Ion: 91 Resp: 259000

Ion Ratio Lower Upper

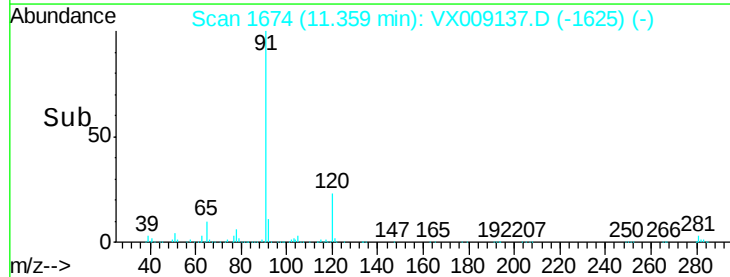
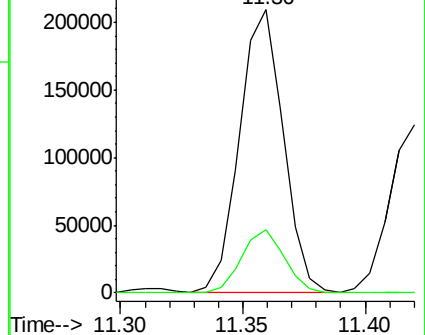
91 100

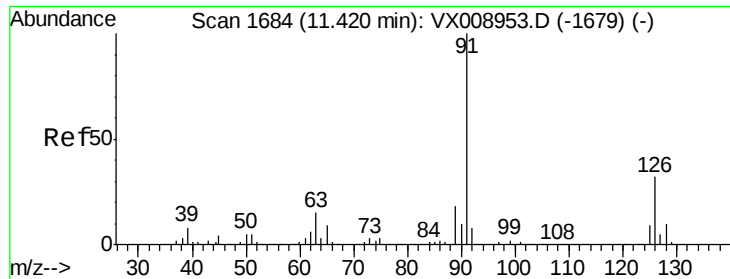
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.592 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion: 91 Resp: 152130

Ion Ratio Lower Upper

91 100

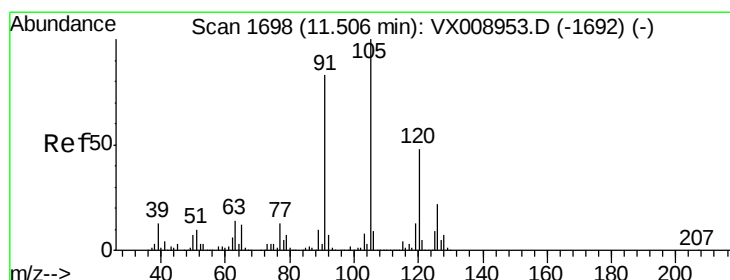
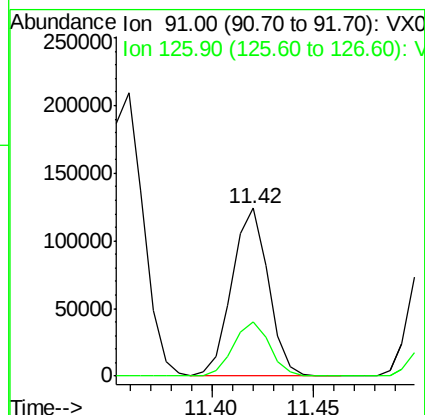
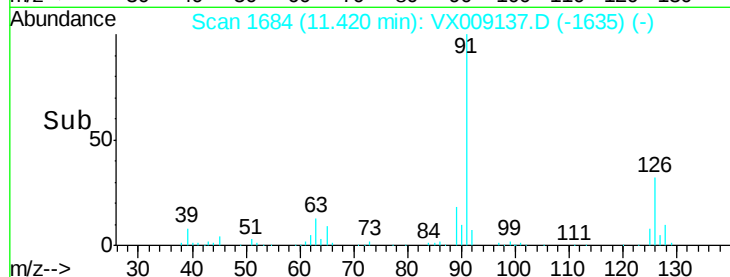
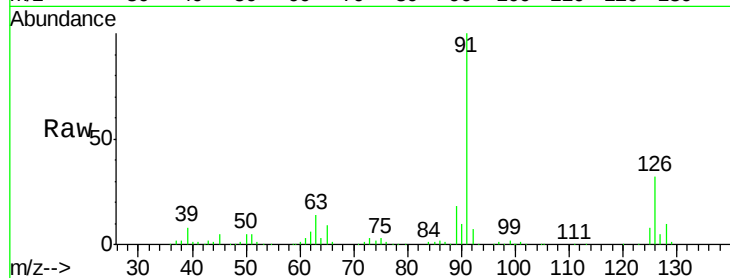
126 32.6 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 22.278 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009137.D

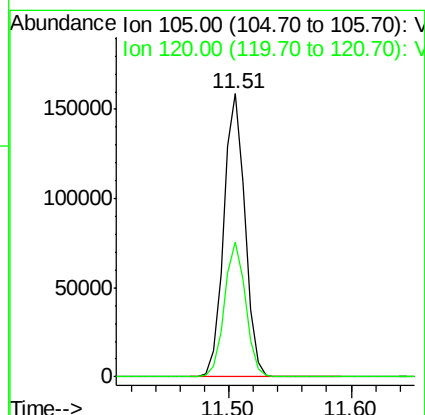
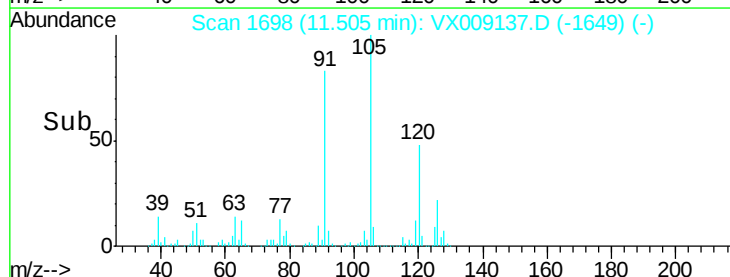
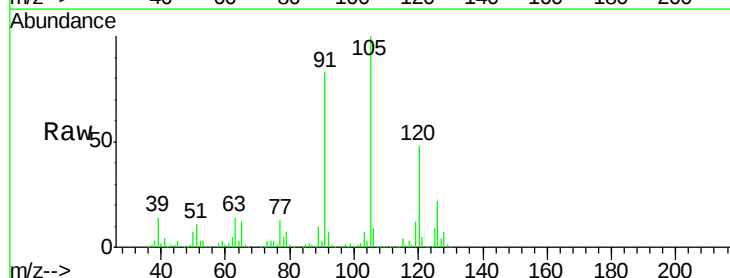
Acq: 24 Apr 2019 12:04

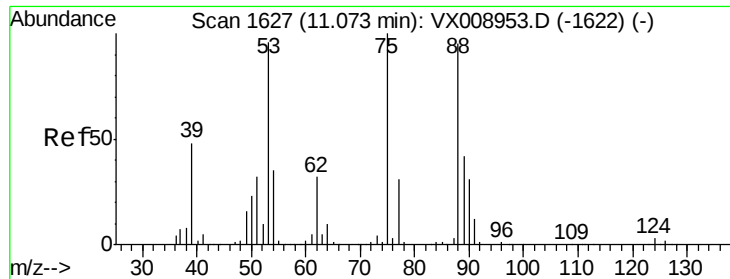
Tgt Ion: 105 Resp: 190441

Ion Ratio Lower Upper

105 100

120 47.4 24.1 72.3





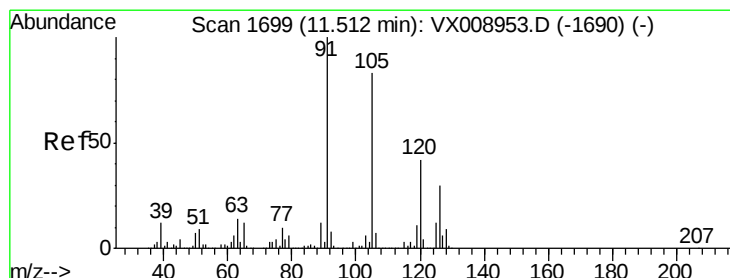
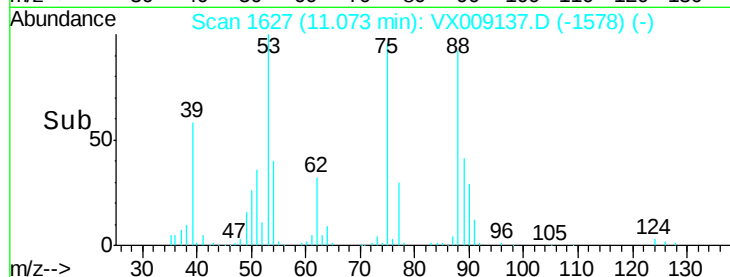
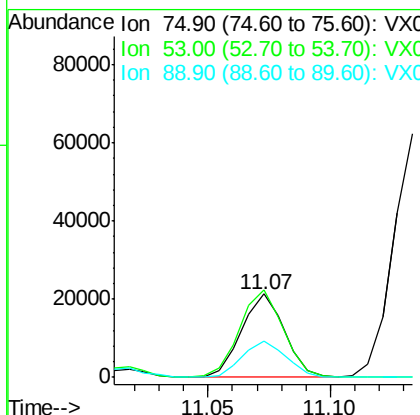
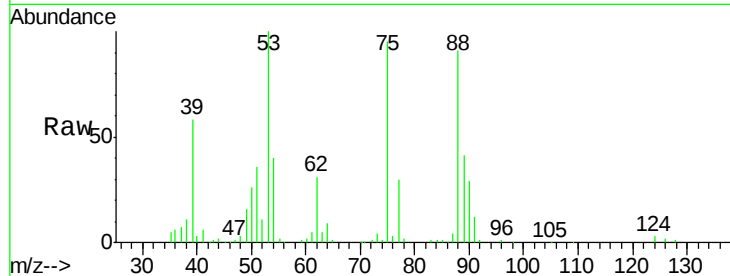
#81
trans-1,4-Dichloro-2-butene
Concen: 20.397 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion: 75 Resp: 26072
Ion Ratio Lower Upper
75 100
53 106.1 78.2 117.4
89 44.9 36.0 54.0

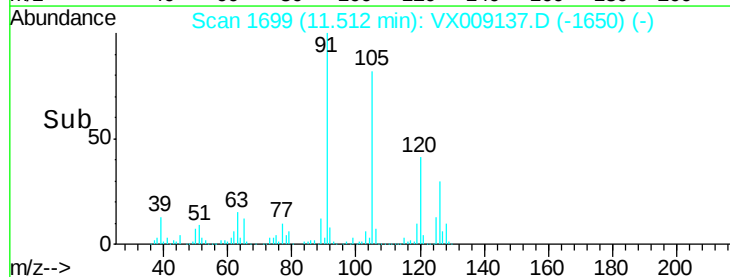
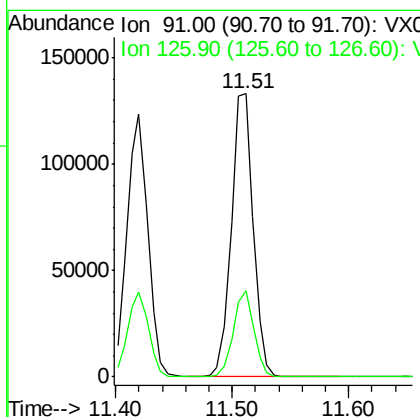
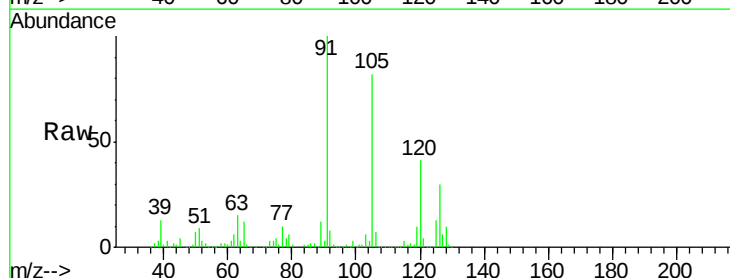
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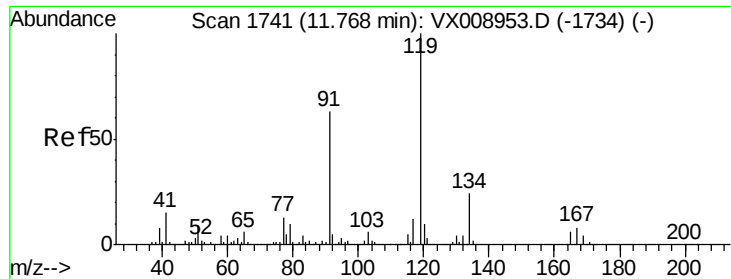
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#82
4-Chlorotoluene
Concen: 21.271 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion: 91 Resp: 174057
Ion Ratio Lower Upper
91 100
126 28.8 14.3 42.9





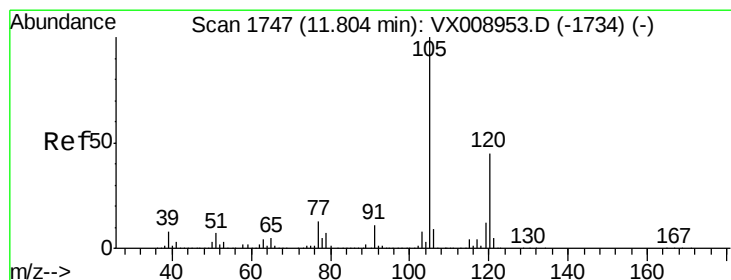
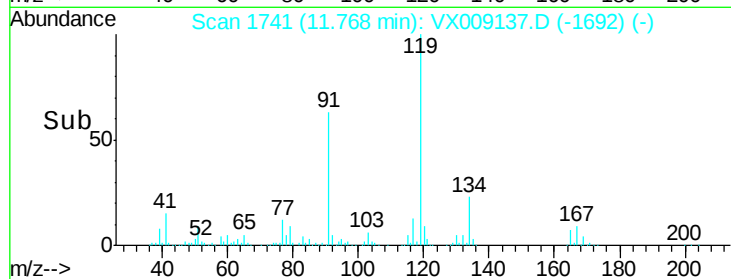
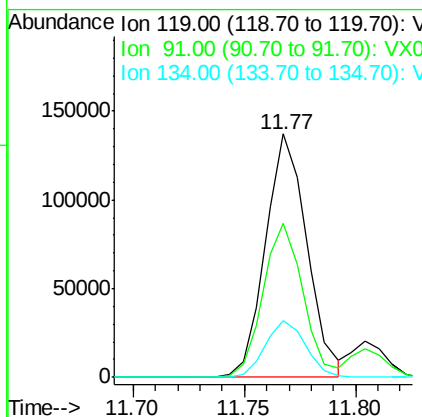
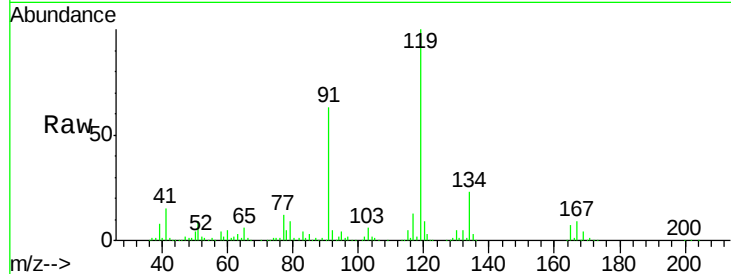
#83
 tert-Butylbenzene
 Concen: 21.612 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	177376		
91	61.0	29.7	89.1	
134	22.8	11.2	33.5	

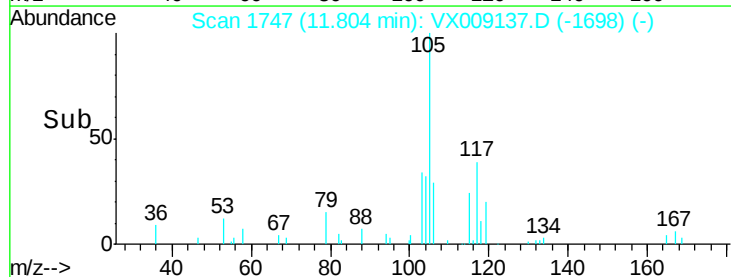
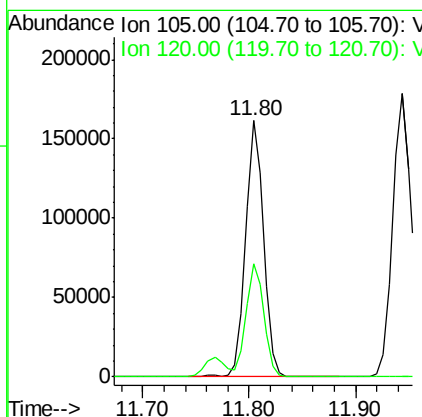
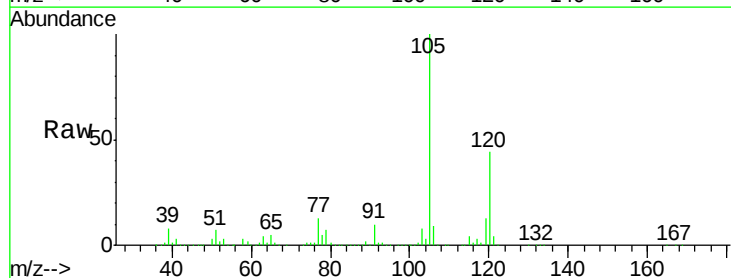
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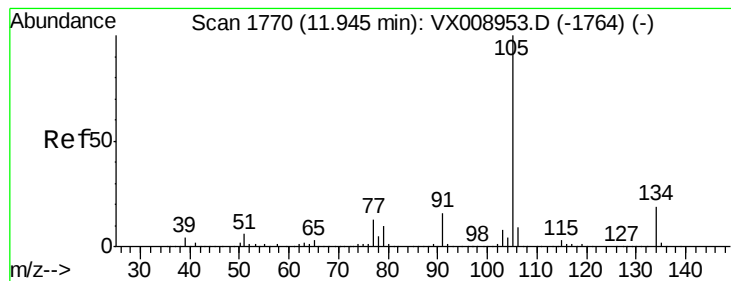
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.075 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	192084		
120	43.6	21.9	65.8	





#85

sec-Butylbenzene

Concen: 22.153 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX0424WBS01

Tot Ion:105 Resp: 216841

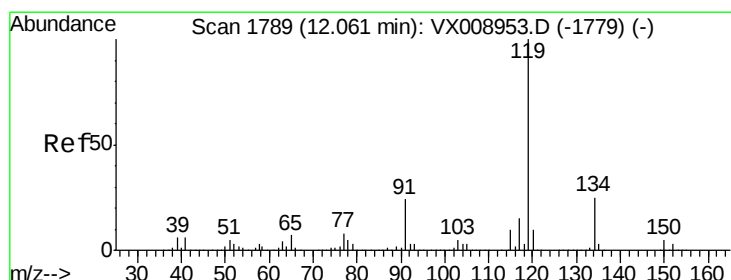
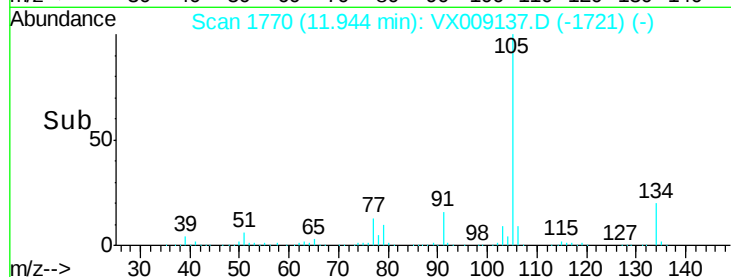
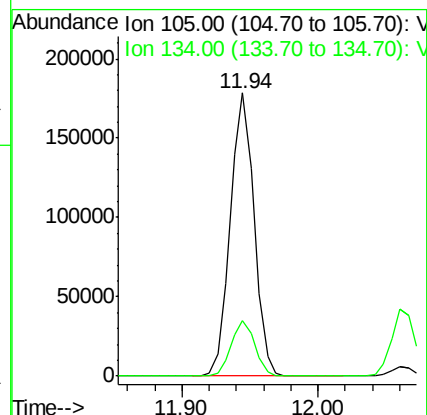
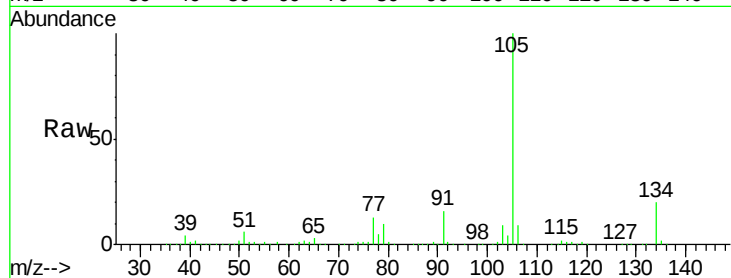
Ion Ratio Lower Upper

105 100

134 19.5 9.6 28.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.717 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

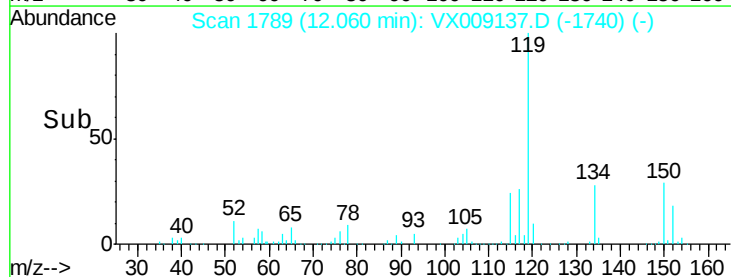
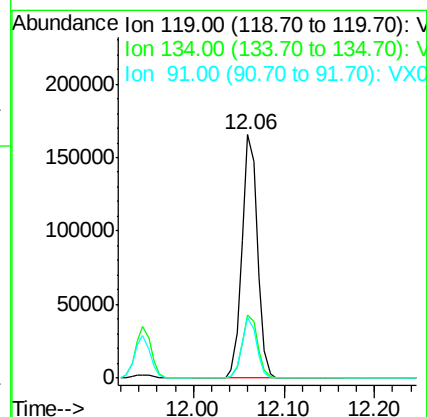
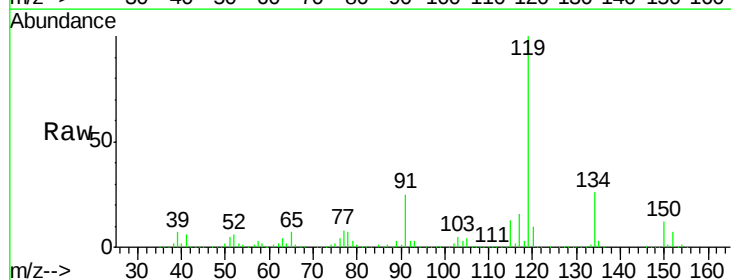
Tgt Ion:119 Resp: 195443

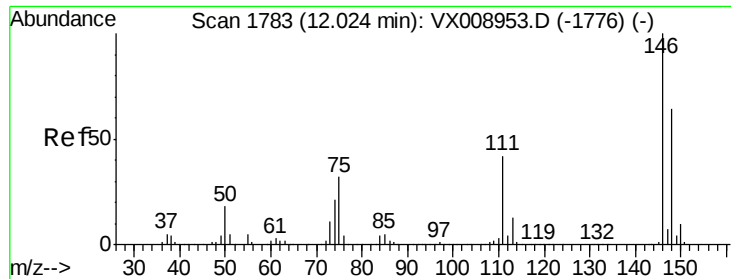
Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

91 24.4 11.9 35.5





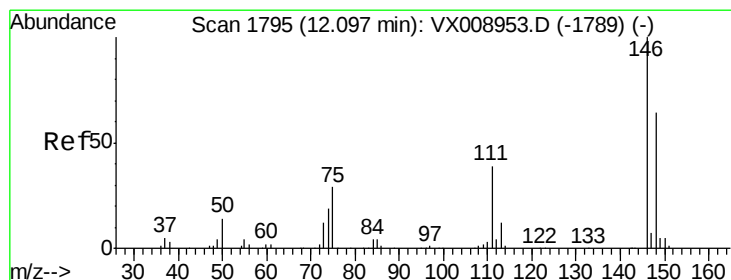
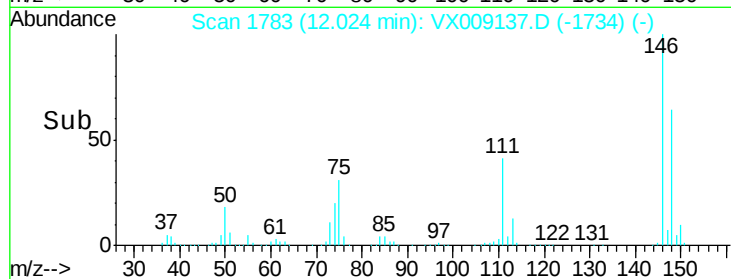
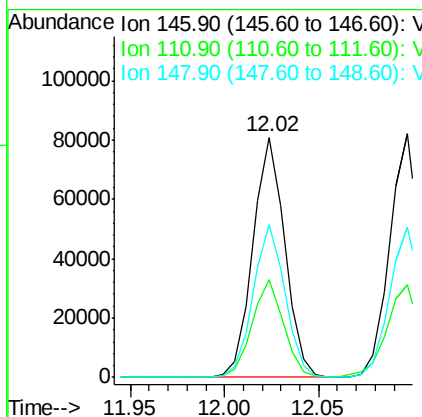
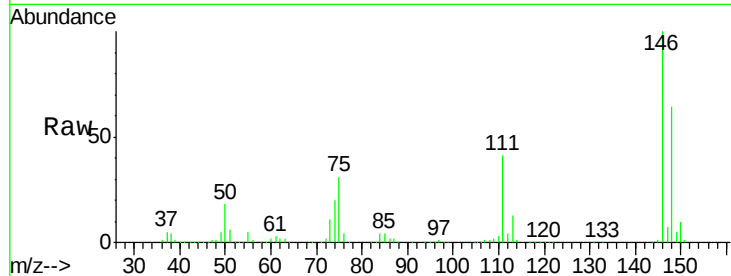
#87
 1,3-Dichlorobenzene
 Concen: 21.197 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.6
148	63.4	32.2	96.6

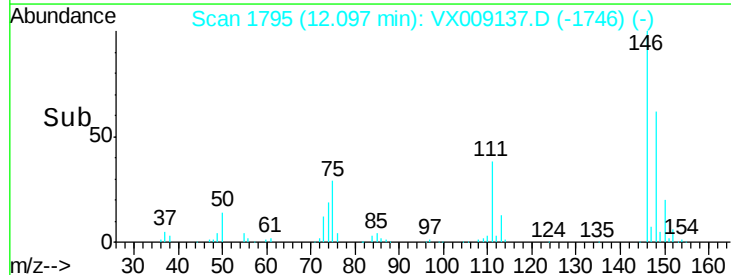
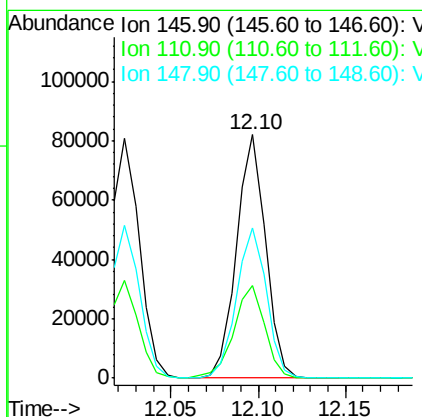
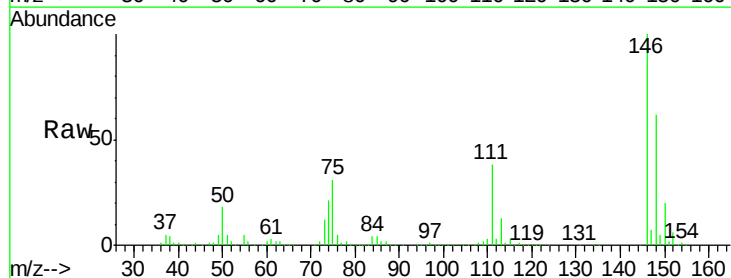
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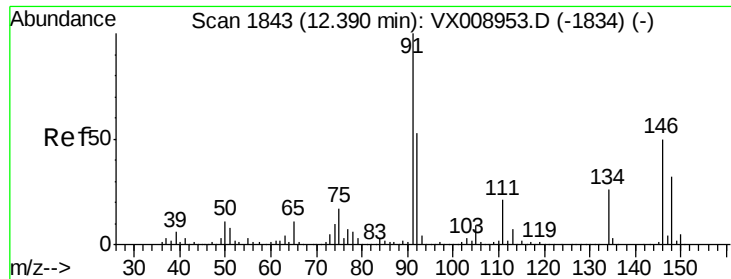
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#88
 1,4-Dichlorobenzene
 Concen: 20.811 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	63.8	32.2	96.6





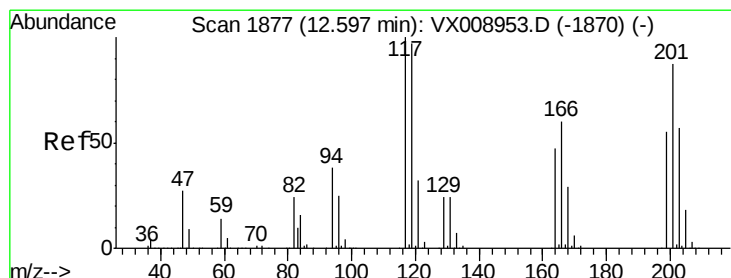
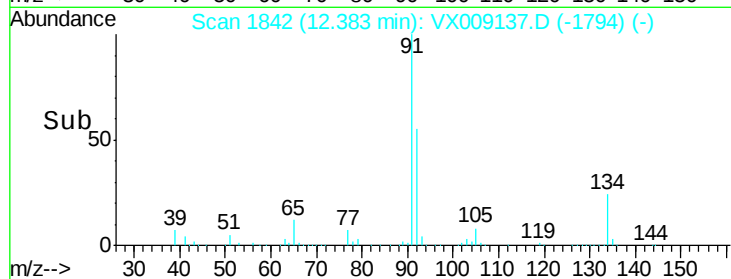
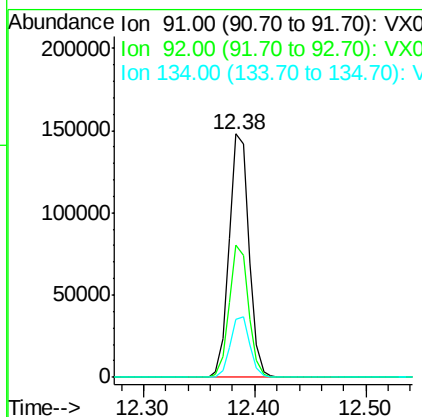
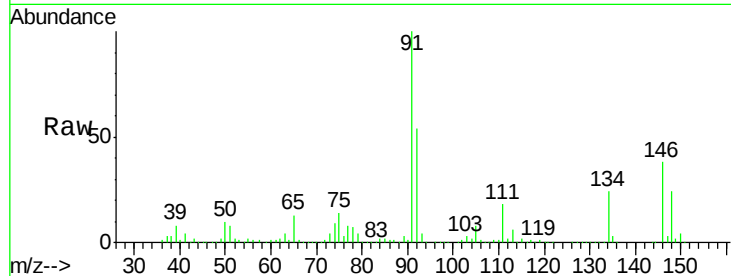
#89
n-Butylbenzene
Concen: 21.681 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX0424WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.6	79.8
134	24.7	12.4	37.2

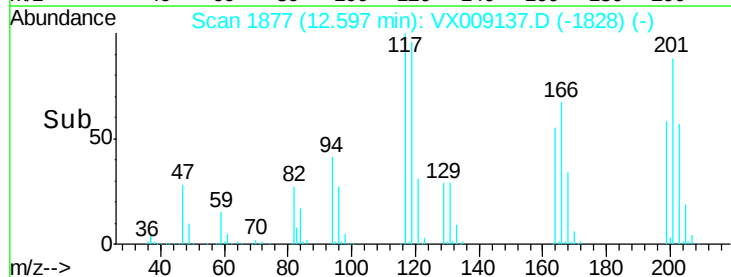
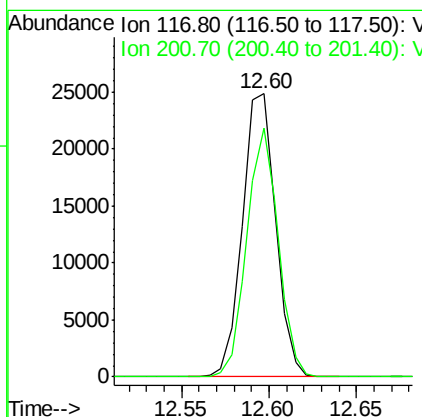
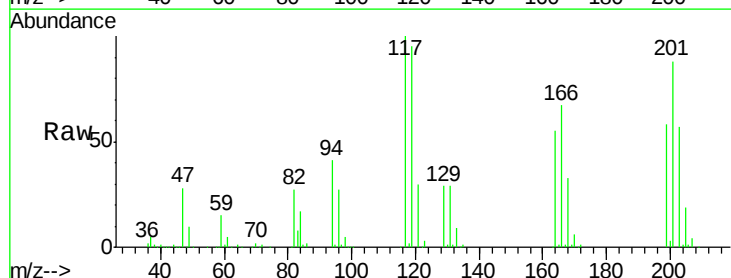
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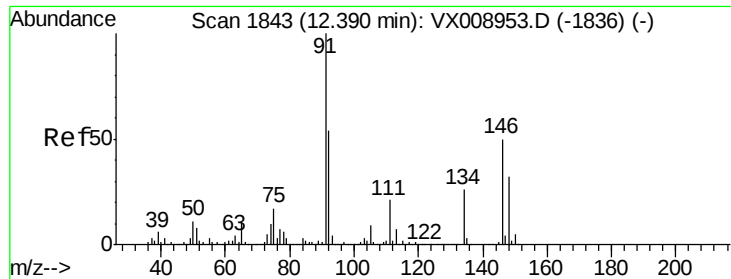
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#90
Hexachloroethane
Concen: 22.117 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009137.D
Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	43.0	129.0





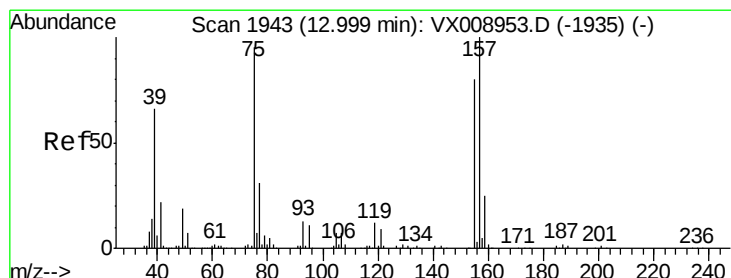
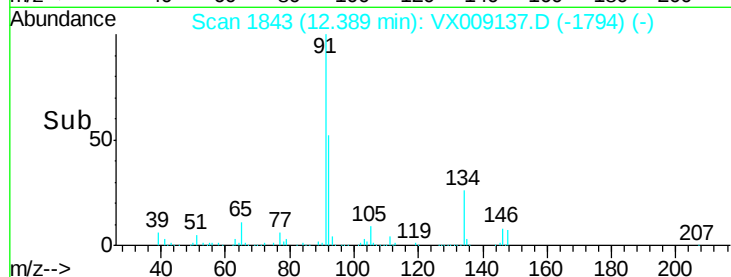
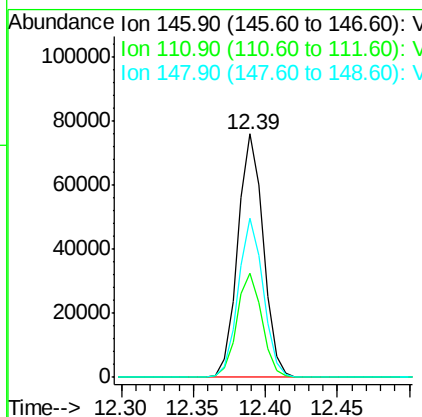
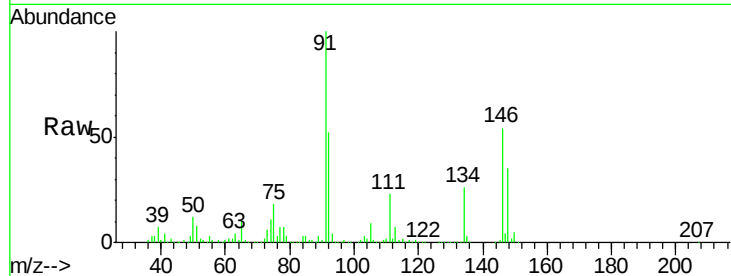
#91
 1,2-Dichlorobenzene
 Concen: 21.159 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.6	61.9
148	63.9	32.0	96.2

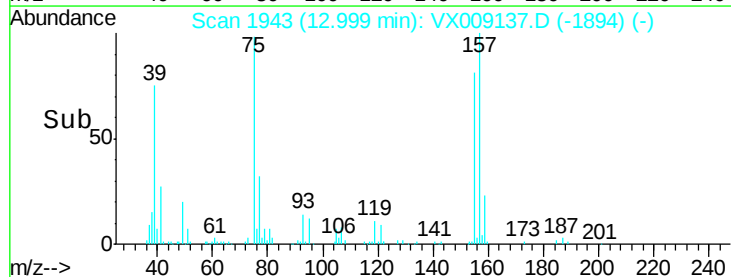
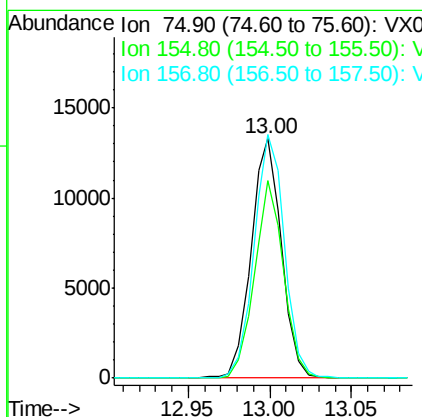
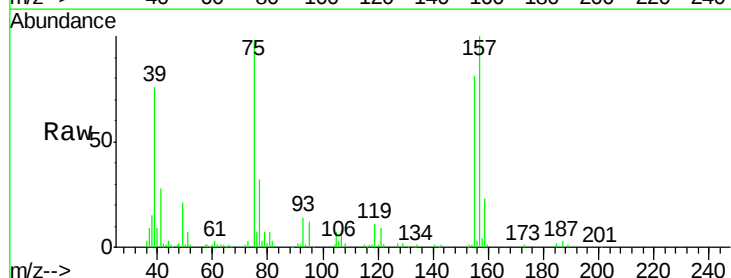
Manual Integrations
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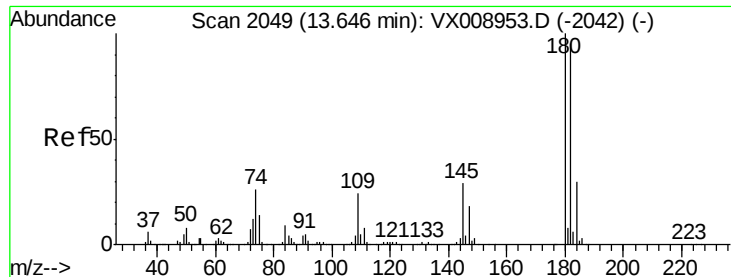
MMDadoda
 4/25/2019 12:34:16 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.150 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	41.2	123.6
157	102.0	52.5	157.6





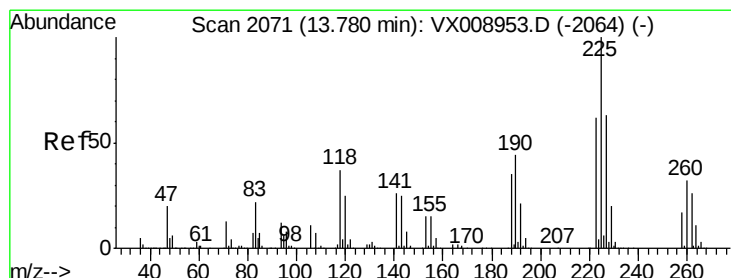
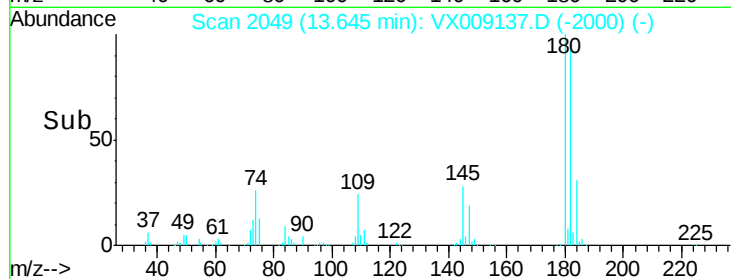
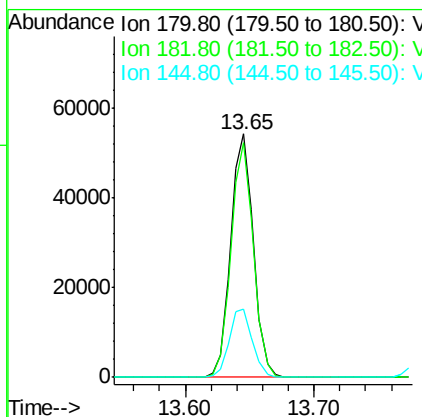
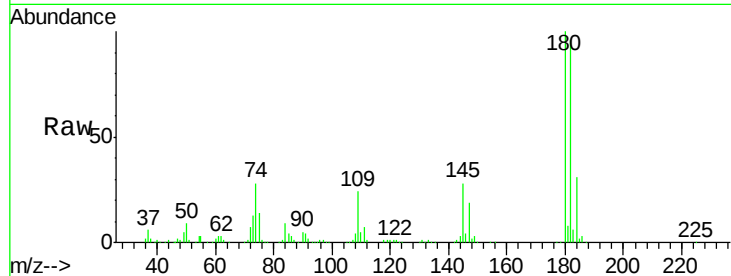
#93
 1,2,4-Trichlorobenzene
 Concen: 20.905 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.6	142.9
145	28.8	14.8	44.4

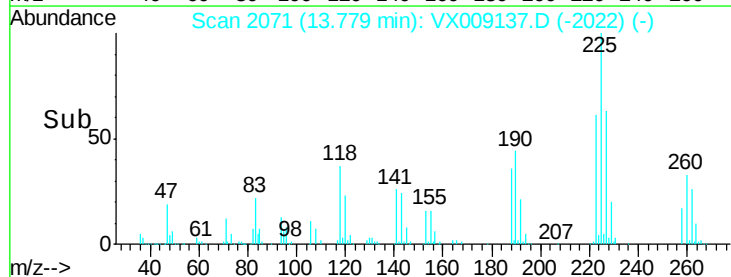
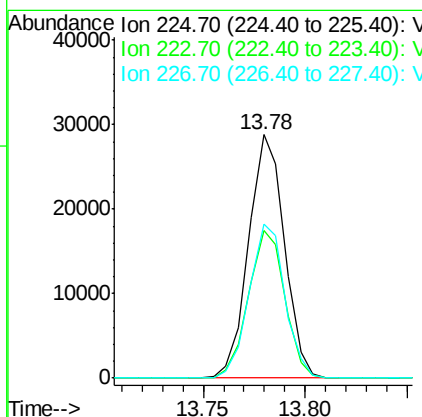
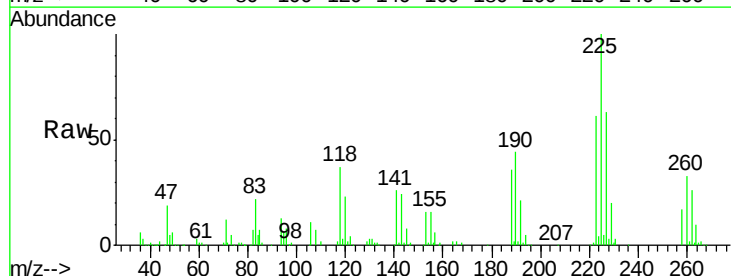
Manual Integrations
 APPROVED

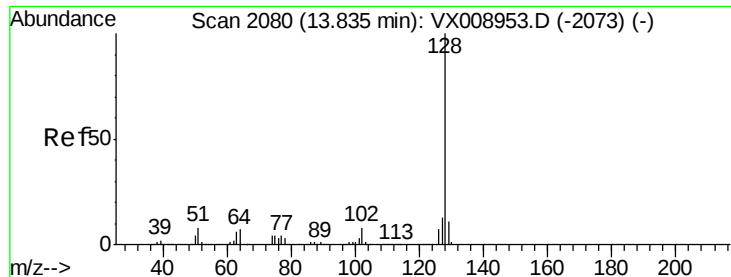
MMDadoda
 4/25/2019 12:34:16 PM



#94
 Hexachlorobutadiene
 Concen: 22.000 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009137.D
 Acq: 24 Apr 2019 12:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.1	93.2
227	63.2	32.0	96.2





#95

Naphthalene

Concen: 20.639 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Instrument :

MSVOA_X

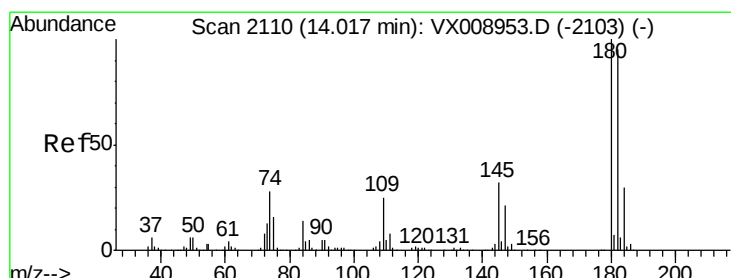
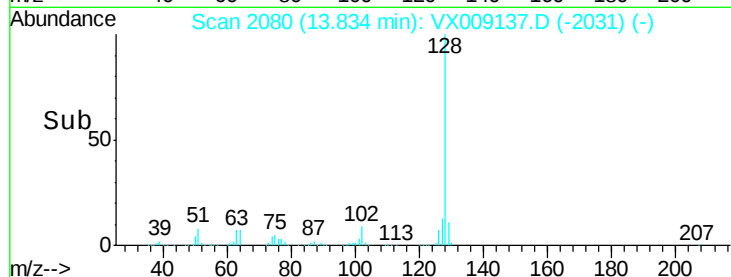
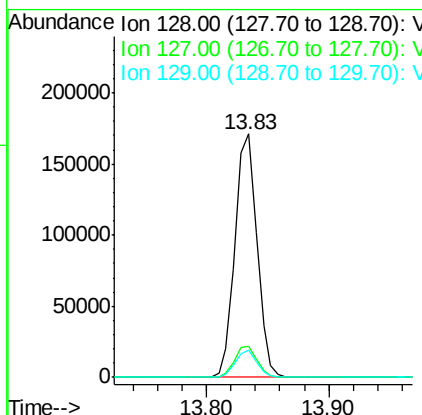
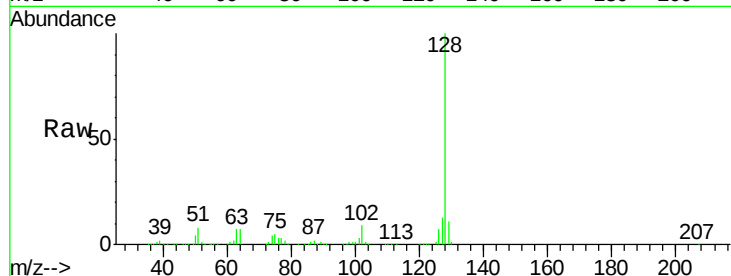
ClientSampleId :

VX0424WBS01

Tot Ion:	128	Resp:	212035
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:34:16 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.646 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009137.D

Acq: 24 Apr 2019 12:04

Tgt Ion:	180	Resp:	65322
Ion Ratio		Lower	Upper
180	100		
182	97.1	47.8	143.4
145	31.3	15.8	47.3

