

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102418\
 Data File : VX005554.D
 Acq On : 24 Oct 2018 20:59
 Operator : JC/MD
 Sample : J5655-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0008MSD

Manual Integrations
 APPROVED

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10/26/2018 11:53:40 AM

Quant Time: Oct 25 05:38:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 13:13:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	209821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311986	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	295490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	126498	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	5.51	113	101766	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	8.71	98	380779	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.14	95	143413	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	74199	35.827	ug/l	97
3) Chloromethane	1.32	50	108171	41.013	ug/l	96
4) Vinyl Chloride	1.41	62	114668	44.216	ug/l	99
5) Bromomethane	1.64	94	74491	46.161	ug/l	84
6) Chloroethane	1.71	64	73347	44.273	ug/l	99
7) Trichlorofluoromethane	1.92	101	167808	46.568	ug/l	91
8) Diethyl Ether	2.19	74	69509	48.334	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.38	101	95060	45.977	ug/l	98
10) Methyl Iodide	2.51	142	117409	54.135	ug/l	97
11) Tert butyl alcohol	3.08	59	187565	272.137	ug/l	100
12) 1,1-Dichloroethene	2.37	96	94908	48.187	ug/l	94
13) Acrolein	2.29	56	91087	259.078	ug/l	97
14) Allyl chloride	2.73	41	214703	48.844	ug/l	95
15) Acrylonitrile	3.15	53	386733	250.229	ug/l	99
16) Acetone	2.45	43	382247	282.433	ug/l	90
17) Carbon Disulfide	2.57	76	273129	45.491	ug/l	99
18) Methyl Acetate	2.78	43	174068	52.125	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	348703	49.632	ug/l	98
20) Methylene Chloride	2.85	84	109658	48.377	ug/l	88
21) trans-1,2-Dichloroethene	3.16	96	101318	47.114	ug/l	95
22) Diisopropyl ether	3.87	45	356661	46.463	ug/l #	89
23) Vinyl Acetate	3.82	43	1590217	235.222	ug/l	96
24) 1,1-Dichloroethane	3.70	63	204317	48.957	ug/l	98
25) 2-Butanone	4.70	43	518759	251.706	ug/l	93
26) 2,2-Dichloropropane	4.59	77	139148	43.186	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	112016	48.316	ug/l	94
28) Bromochloromethane	5.02	49	97849	48.476	ug/l	90
29) Tetrahydrofuran	5.15	42	340422	253.813	ug/l	92
30) Chloroform	5.21	83	188957	48.403	ug/l	98
31) Cyclohexane	5.57	56	166158	48.119	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	167171	48.518	ug/l	100
36) 1,1-Dichloropropene	5.80	75	139609	46.111	ug/l	99
37) Ethyl Acetate	4.85	43	179625	46.492	ug/l	97
38) Carbon Tetrachloride	5.78	117	147783	46.344	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	157794	47.198	ug/l	94
40) Benzene	6.14	78	439551	50.644	ug/l	94
41) Methacrylonitrile	5.06	41	103342	48.018	ug/l	94
42) 1,2-Dichloroethane	6.20	62	159717	48.441	ug/l	95
43) Isopropyl Acetate	6.47	43	278097	48.034	ug/l	95
44) Trichloroethene	7.21	130	112956	47.773	ug/l	93
45) 1,2-Dichloropropane	7.52	63	113189	48.508	ug/l	98
46) Dibromomethane	7.66	93	73242	48.599	ug/l	98
47) Bromodichloromethane	7.90	83	144222	49.306	ug/l	98
48) Methyl methacrylate	7.77	41	147102	52.155	ug/l	93
49) 1,4-Dioxane	7.76	88	66595	1080.436	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	1002868	257.741	ug/l	93
52) Toluene	8.79	92	265766	50.384	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	161908	51.216	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	167421	49.190	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	109408	49.197	ug/l	97
56) Ethyl methacrylate	9.18	69	173312	52.248	ug/l	92
57) 1,3-Dichloropropane	9.37	76	185620	49.329	ug/l	100
59) 2-Hexanone	9.50	43	803648	261.958	ug/l	92
60) Dibromochloromethane	9.59	129	118031	50.870	ug/l	99
61) 1,2-Dibromoethane	9.67	107	115623	50.255	ug/l	99
64) Tetrachloroethene	9.34	164	112418	45.829	ug/l	98
65) Chlorobenzene	10.14	112	298079	47.372	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	110591	48.201	ug/l	98
67) Ethyl Benzene	10.26	91	515996	49.842	ug/l	98
68) m/p-Xylenes	10.36	106	400509	99.716	ug/l	94
69) o-Xylene	10.70	106	191614	50.708	ug/l	95
70) Stvrene	10.71	104	324435	51.287	ug/l	96
71) Bromoform	10.86	173	99386	48.544	ug/l	99
73) Isopropylbenzene	11.02	105	525288	51.516	ug/l	99
74) N-amyl acetate	10.90	43	253248	50.124	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	182786	48.590	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	171554m	50.493	ug/l	
77) Bromobenzene	11.26	156	139038	48.928	ug/l	97
78) n-propylbenzene	11.36	91	606827	52.047	ug/l	99
79) 2-Chlorotoluene	11.42	91	361638	50.025	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	451618	51.776	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	53444	49.411	ug/l	98
82) 4-Chlorotoluene	11.51	91	429380	50.371	ug/l	99
83) tert-Butylbenzene	11.77	119	448047	51.531	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	466349	52.753	ug/l	97
85) sec-Butylbenzene	11.94	105	537482	51.806	ug/l	99
86) p-Isopropyltoluene	12.07	119	479564	51.707	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	258586	48.391	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	263633	47.167	ug/l	99
89) n-Butylbenzene	12.39	91	420008	50.163	ug/l	97
90) Hexachloroethane	12.60	117	80915	50.584	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	262814	48.612	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46557	51.186	ug/l	93
93) 1,2,4-Trichlorobenzene	13.65	180	193739	49.435	ug/l	100

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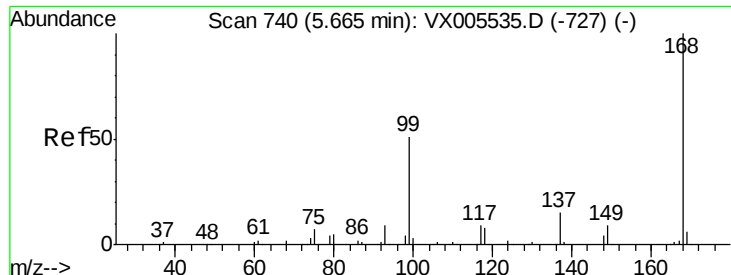
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	93662	46.117	ug/l	98
95) Naphthalene	13.83	128	618293	54.275	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	202183	50.893	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

S37-0008MSD

Tot Ion:168 Resp: 209821

Ion Ratio Lower Upper

168 100

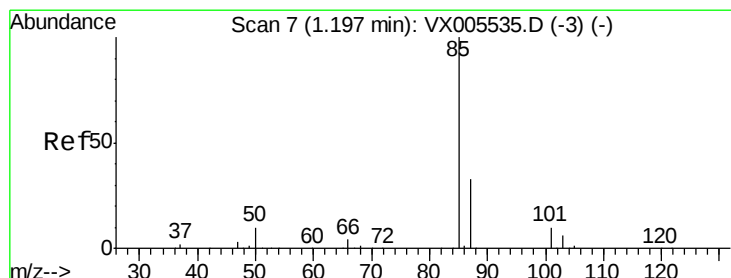
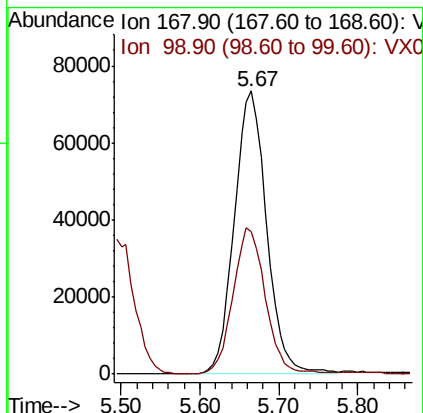
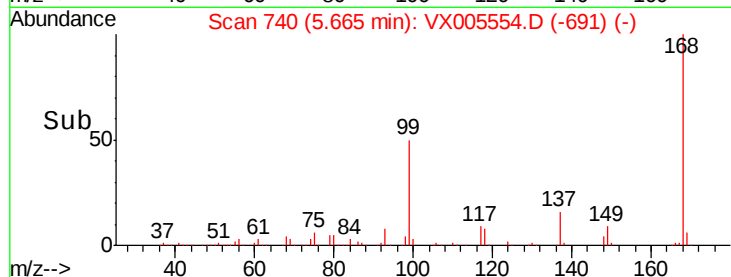
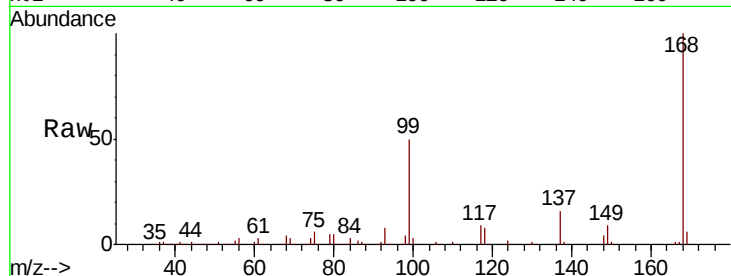
99 50.2 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 35.827 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005554.D

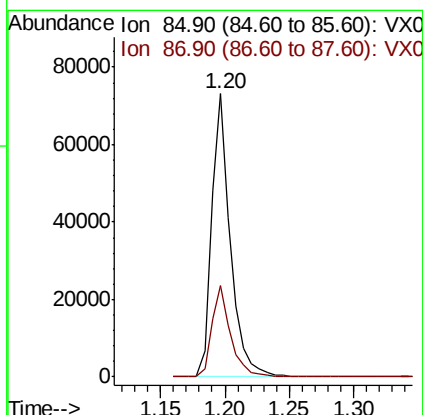
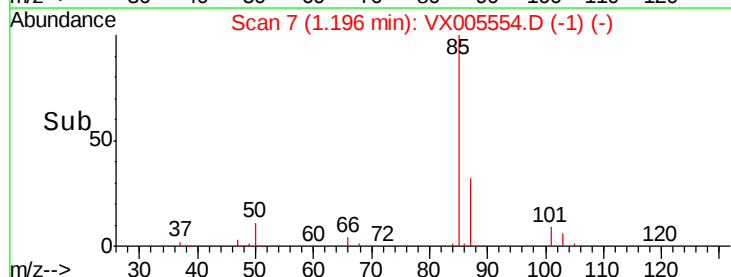
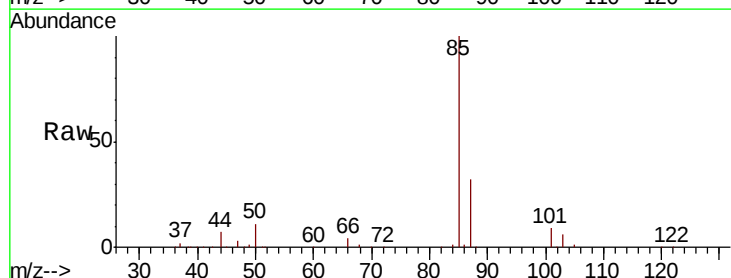
Acq: 24 Oct 2018 20:59

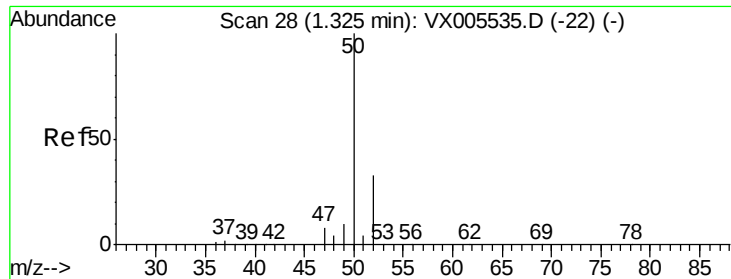
Tgt Ion: 85 Resp: 74199

Ion Ratio Lower Upper

85 100

87 32.1 17.0 50.9





#3

Chloromethane

Concen: 41.013 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

S37-0008MSD

Tot Ion: 50 Resp: 108171

Ion Ratio Lower Upper

50 100

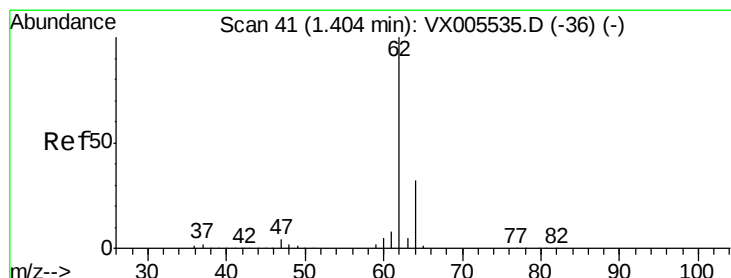
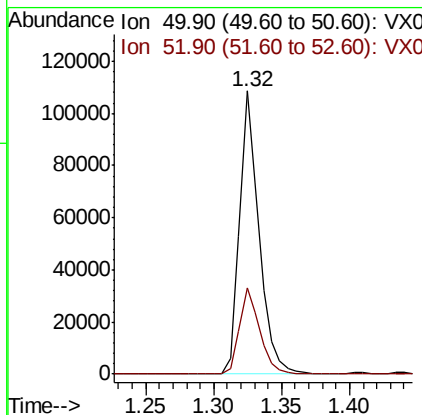
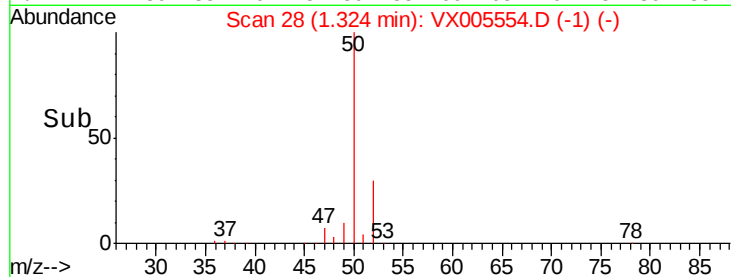
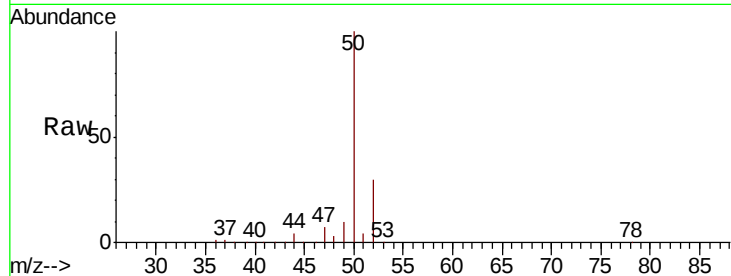
52 30.4 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.216 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005554.D

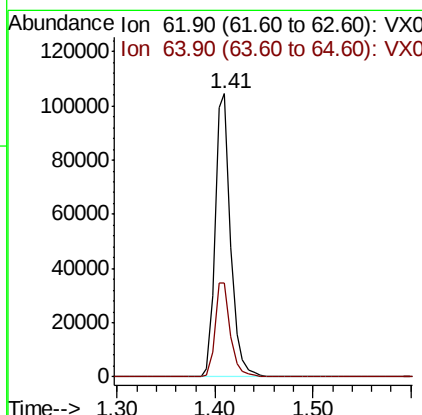
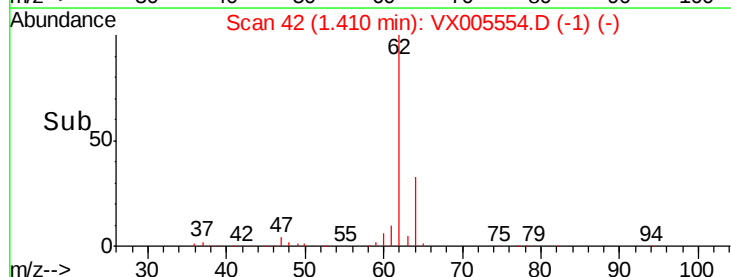
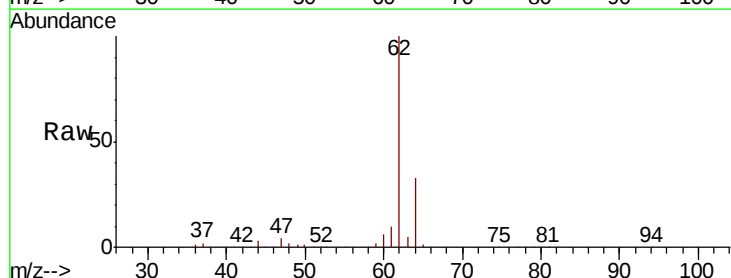
Acq: 24 Oct 2018 20:59

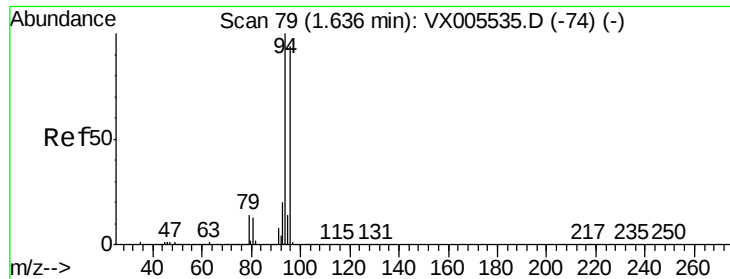
Tgt Ion: 62 Resp: 114668

Ion Ratio Lower Upper

62 100

64 33.1 25.8 38.8





#5

Bromomethane

Concen: 46.161 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampled :

S37-0008MSD

Tot Ion: 94 Resp: 74491

Ion Ratio Lower Upper

94 100

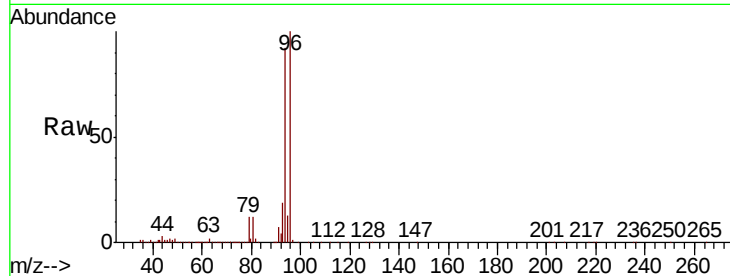
96 108.2 74.5 111.7

Manual Integrations

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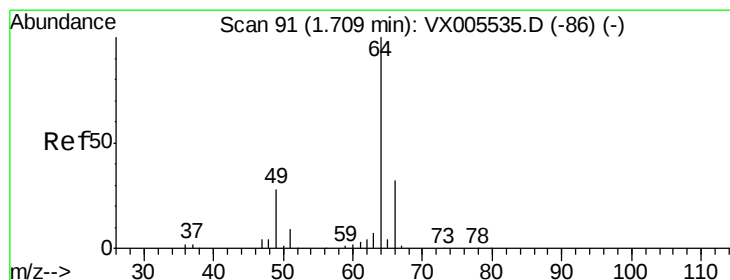
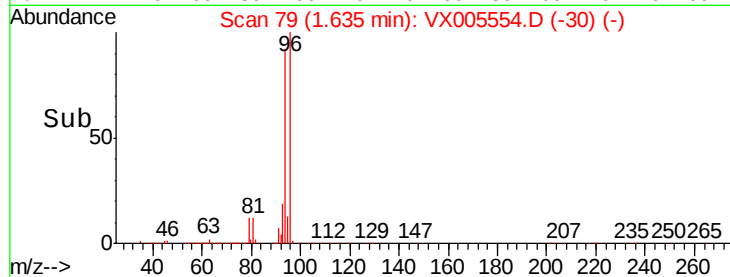
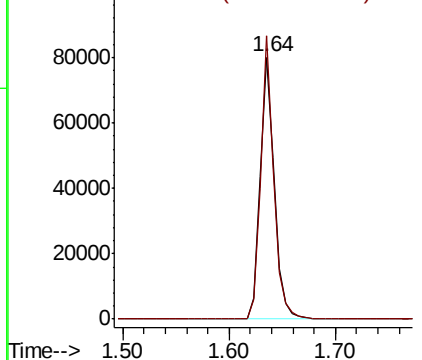
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 44.273 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005554.D

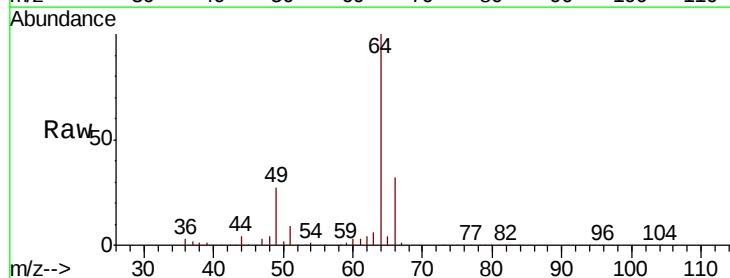
Acq: 24 Oct 2018 20:59

Tgt Ion: 64 Resp: 73347

Ion Ratio Lower Upper

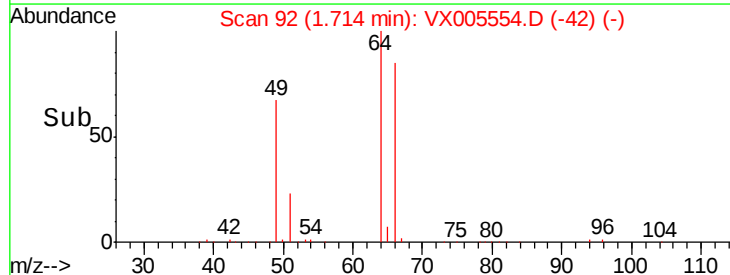
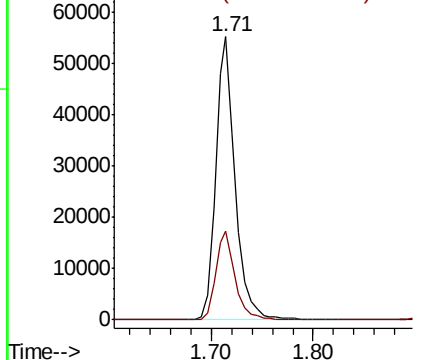
64 100

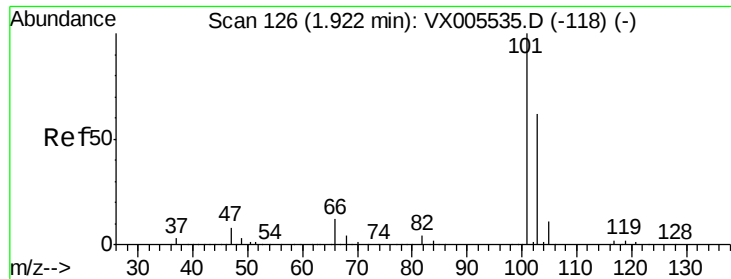
66 31.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane
 Concen: 46.568 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

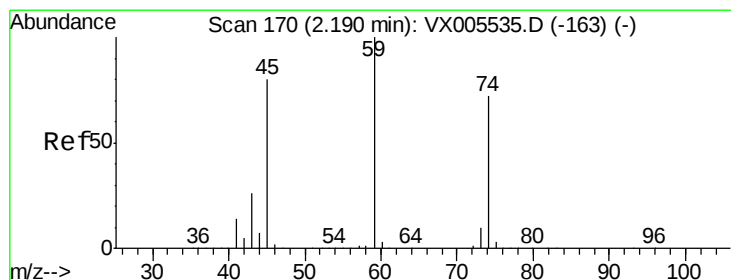
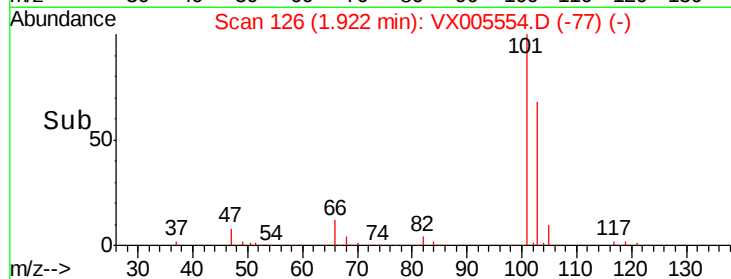
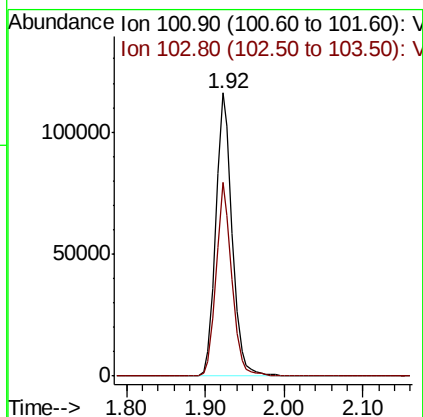
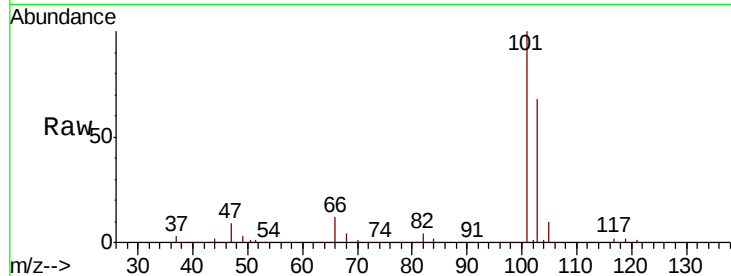
Instrument :
 MSVOA_X
 ClientSampled :
 S37-0008MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.3	48.9	73.3

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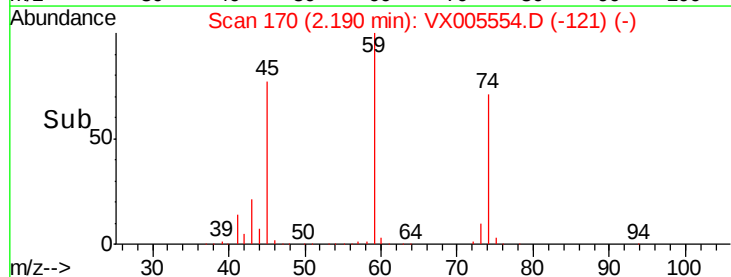
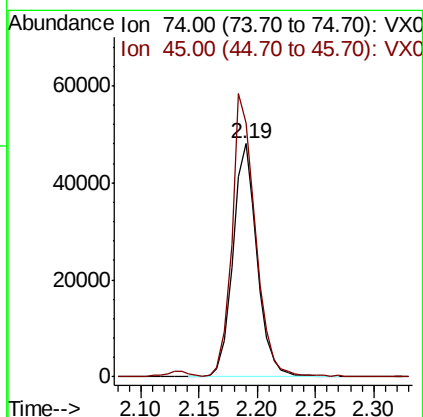
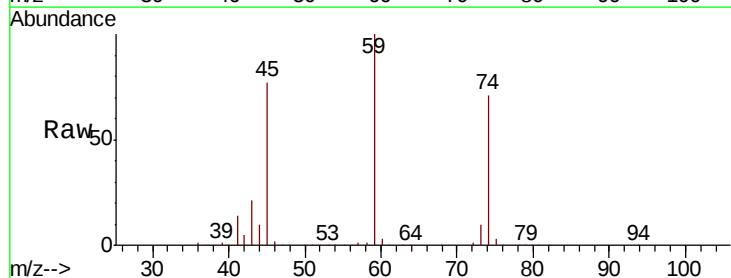
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#8

Diethyl Ether
 Concen: 48.334 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.9	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.977 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

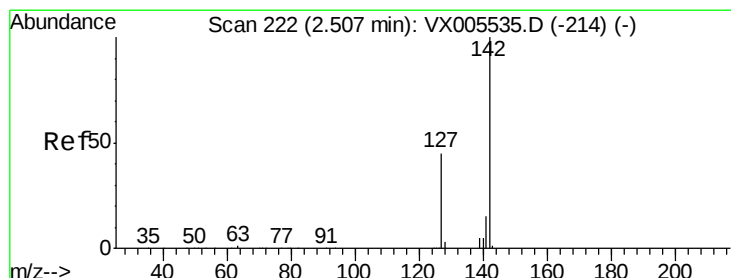
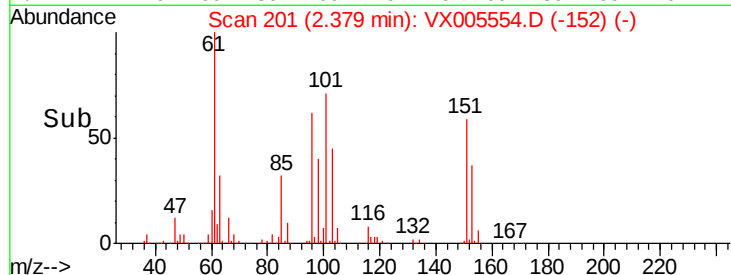
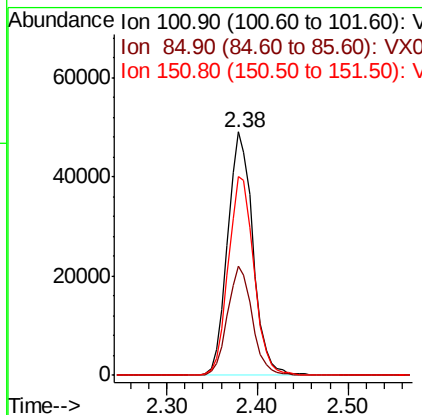
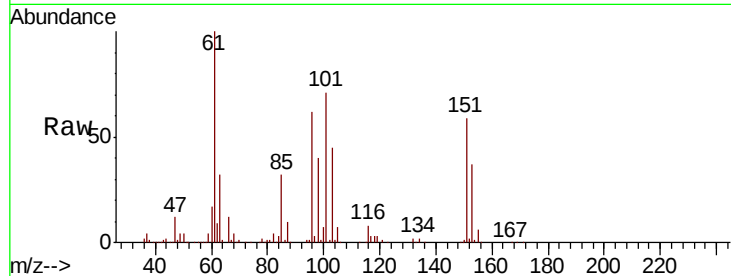
S37-0008MSD

Tot Ion:	101	Resp:	95060
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.2	51.4
151	82.9	65.0	97.6

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#10

Methyl Iodide

Concen: 54.135 ug/l

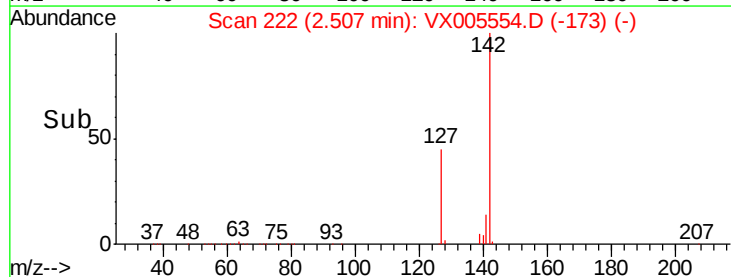
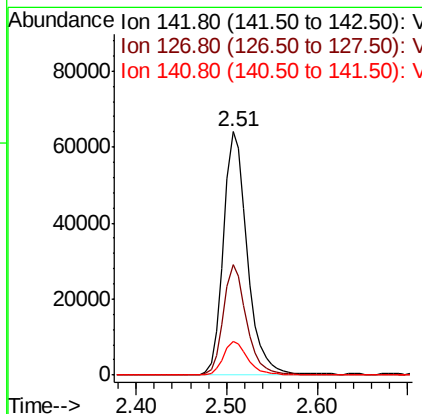
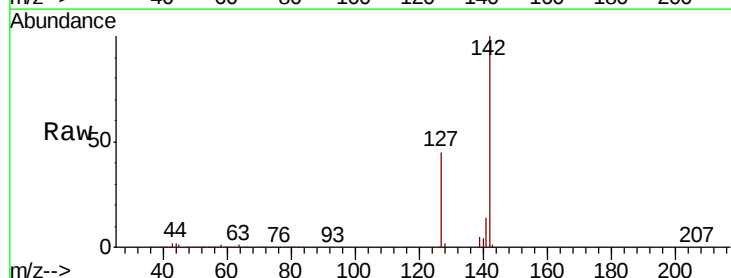
RT: 2.51 min Scan# 222

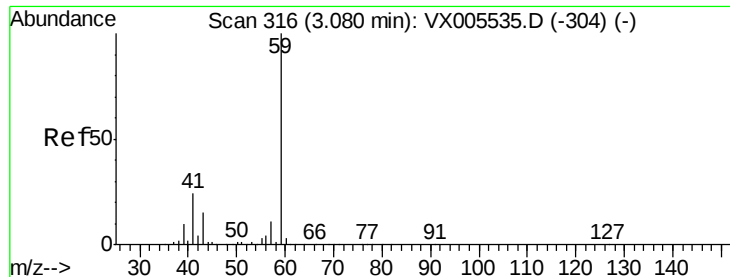
Delta R.T. 0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Tgt Ion:	142	Resp:	117409
Ion Ratio	Lower	Upper	
142	100		
127	44.2	33.8	50.6
141	13.9	11.4	17.0





#11
Tert butyl alcohol
Concen: 272.137 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

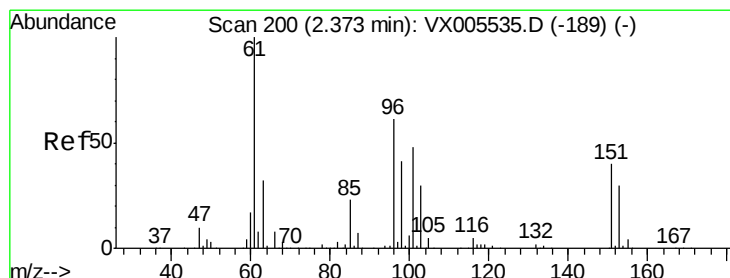
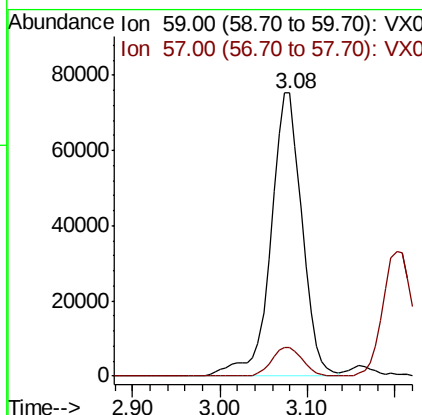
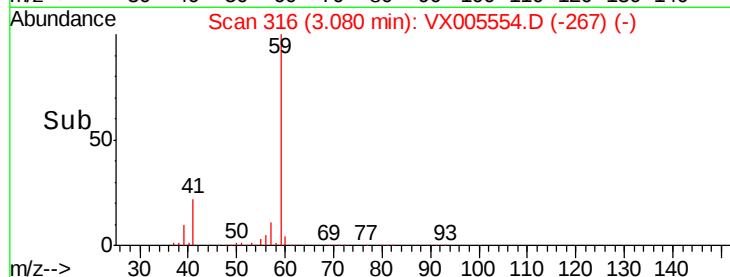
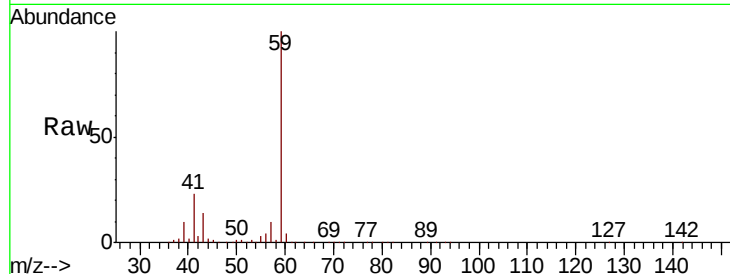
Instrument :
MSVOA_X
ClientSampleId :
S37-0008MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
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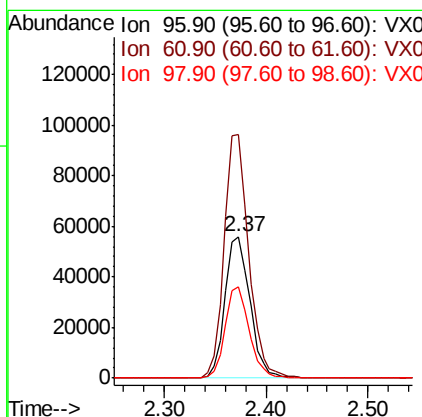
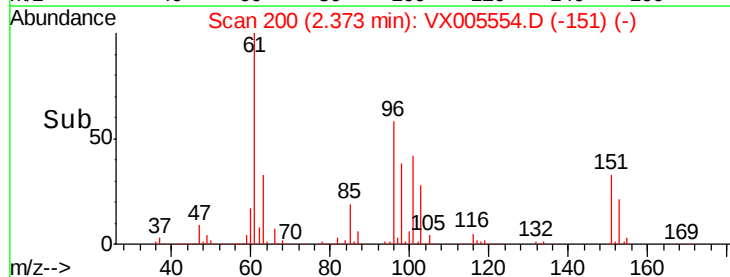
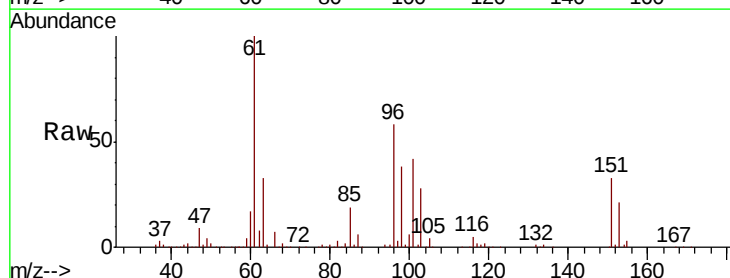
MMDadoda

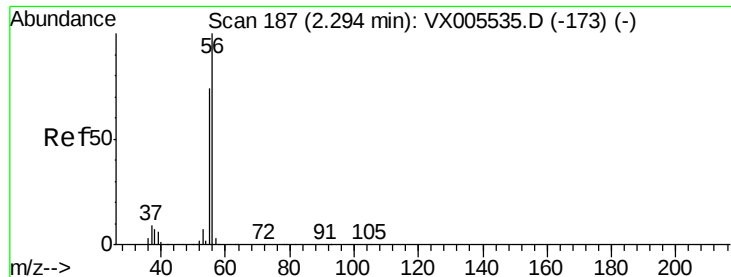
10/26/2018 11:53:40 AM



#12
1,1-Dichloroethene
Concen: 48.187 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.9	128.8	193.2
98	64.9	52.2	78.2





#13

Acrolein

Concen: 259.078 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

S37-0008MSD

Tot Ion: 56 Resp: 91087

Ion Ratio Lower Upper

56 100

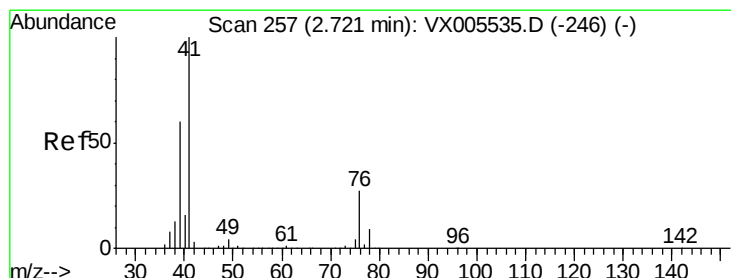
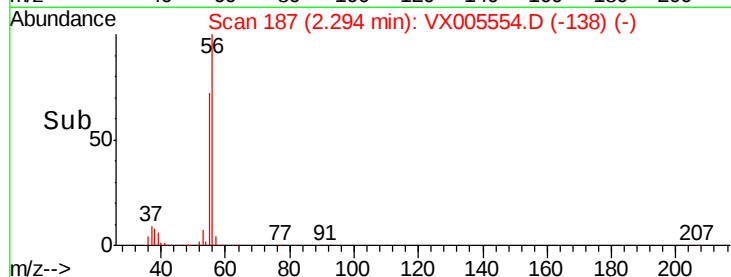
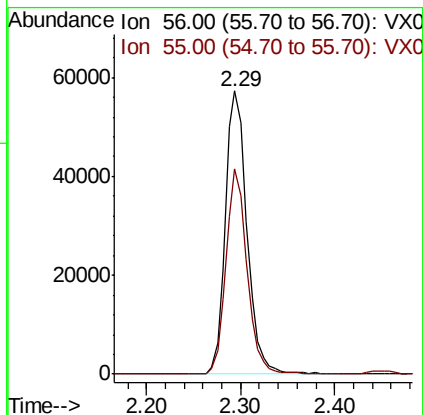
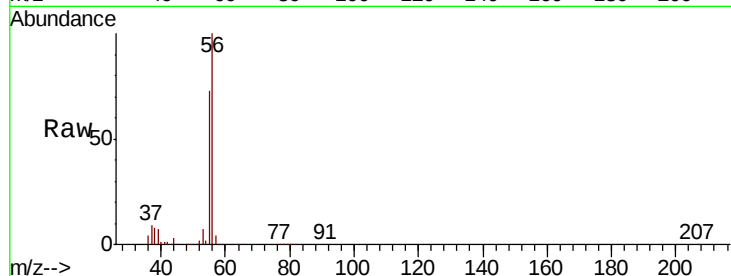
55 70.8 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 48.844 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

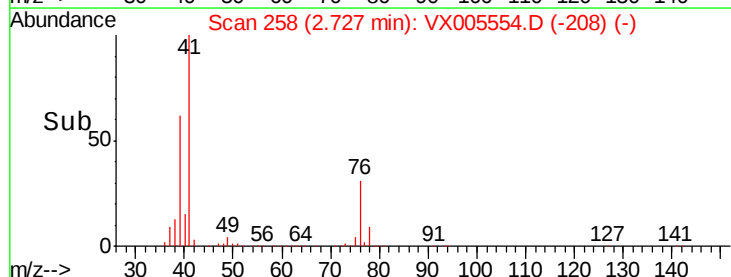
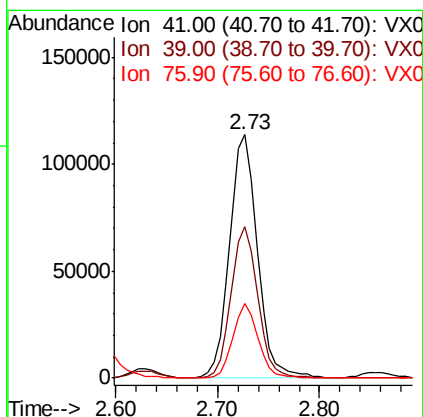
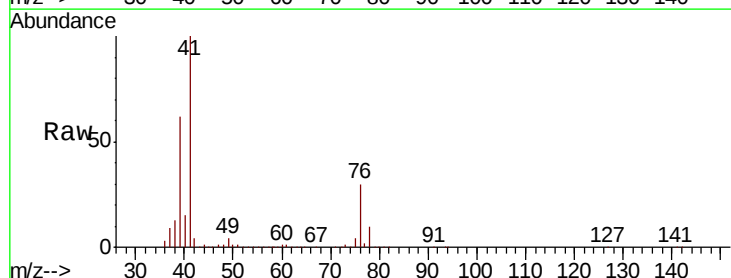
Tgt Ion: 41 Resp: 214703

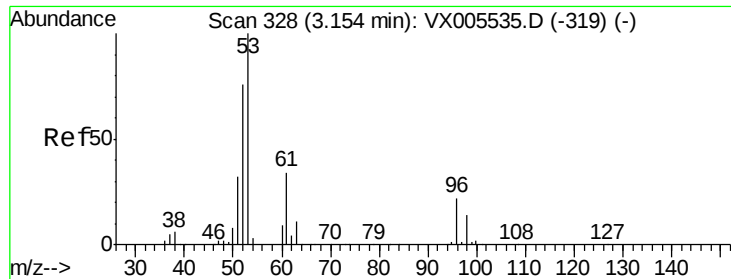
Ion Ratio Lower Upper

41 100

39 59.2 48.9 73.3

76 27.5 26.7 40.1





#15

Acrylonitrile

Concen: 250.229 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

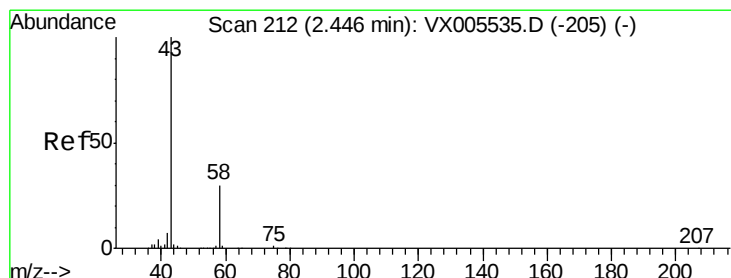
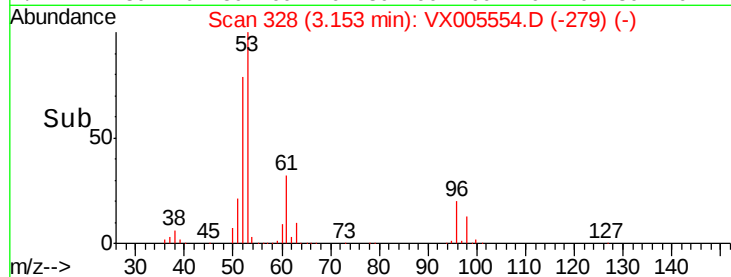
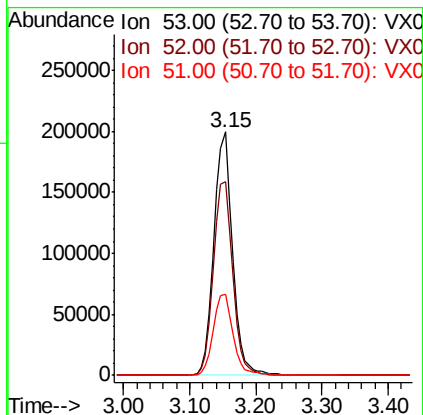
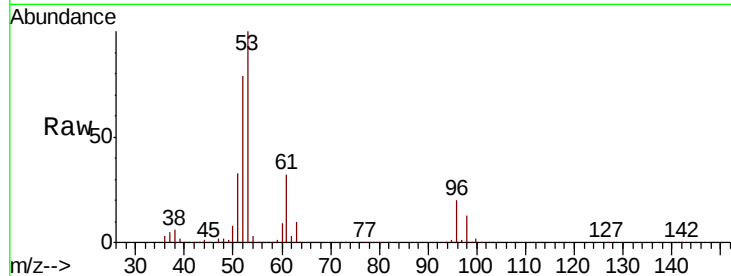
S37-0008MSD

Tot Ion:	53	Resp:	386733
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.2	97.8
51	35.4	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 282.433 ug/l

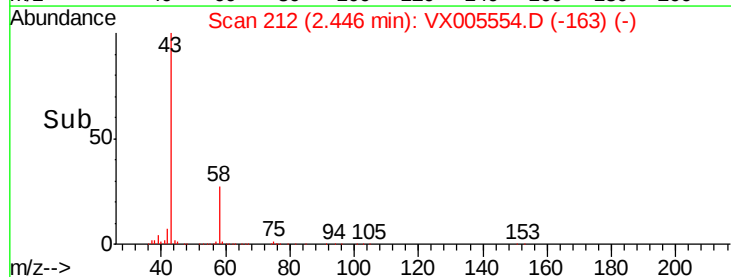
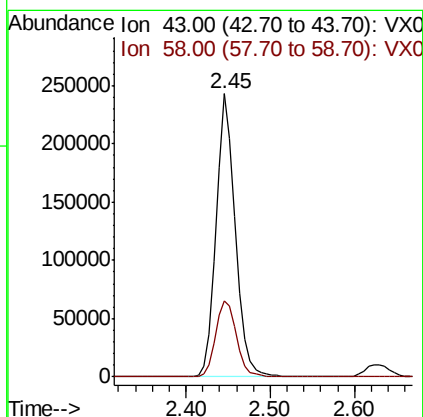
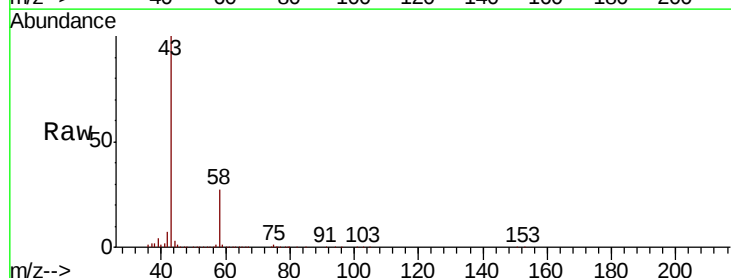
RT: 2.45 min Scan# 212

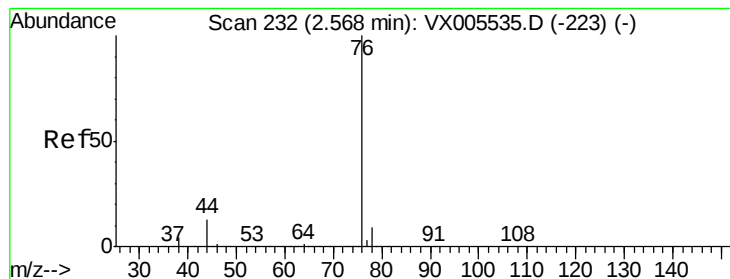
Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Tgt Ion:	43	Resp:	382247
Ion	Ratio	Lower	Upper
43	100		
58	27.0	26.2	39.4





#17

Carbon Disulfide

Concen: 45.491 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

S37-0008MSD

Tot Ion: 76 Resp: 273129

Ion Ratio Lower Upper

76 100

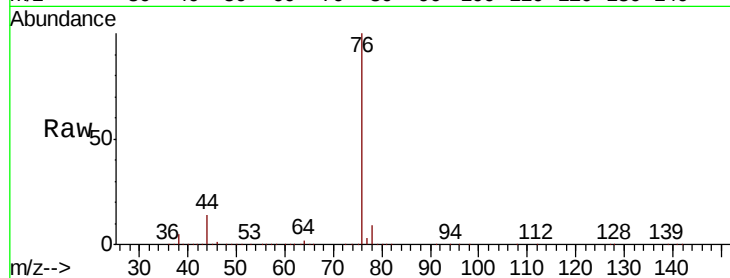
78 9.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

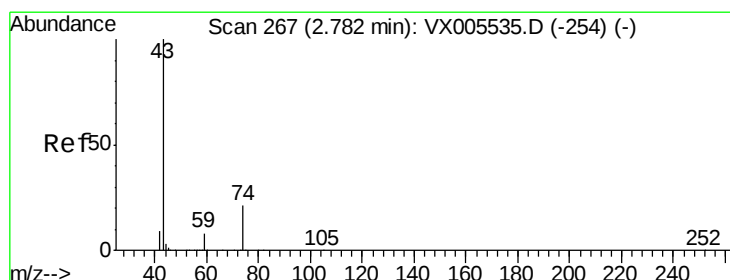
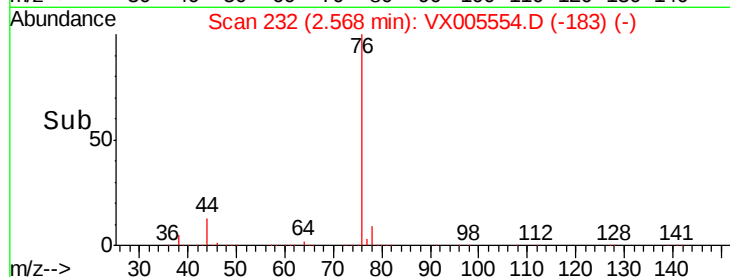
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.125 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005554.D

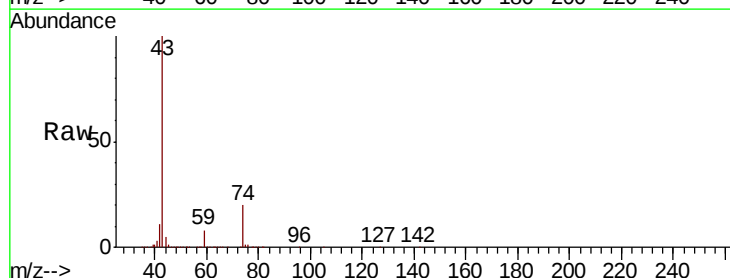
Acq: 24 Oct 2018 20:59

Tgt Ion: 43 Resp: 174068

Ion Ratio Lower Upper

43 100

74 20.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

100000

80000

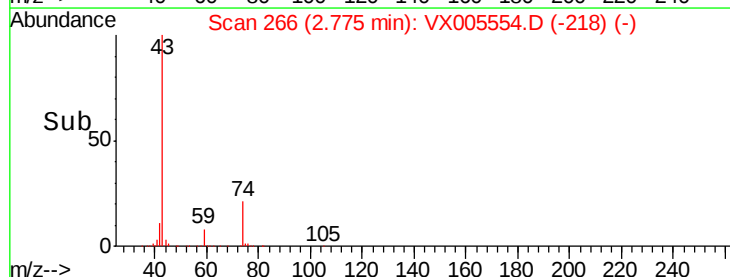
60000

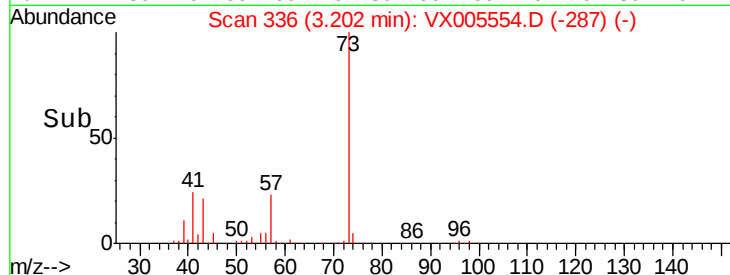
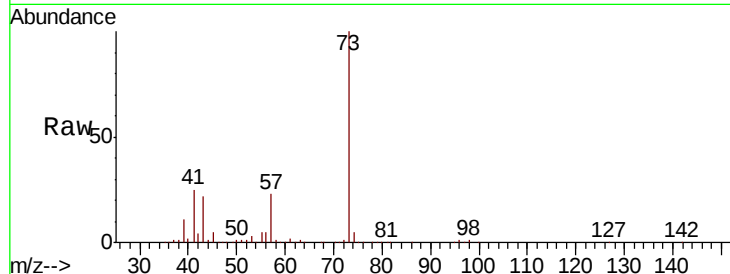
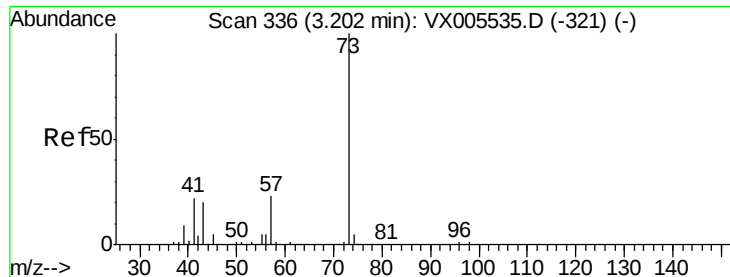
40000

20000

0

Time-->





#19
Methyl tert-butyl Ether
Concen: 49.632 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

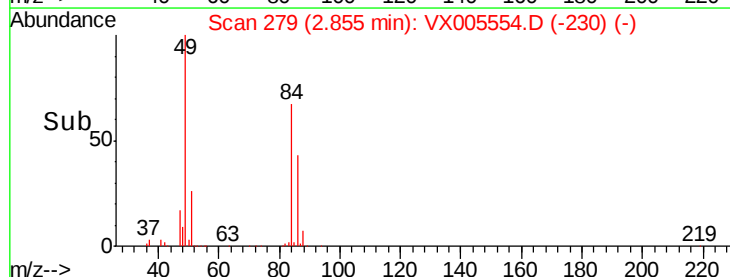
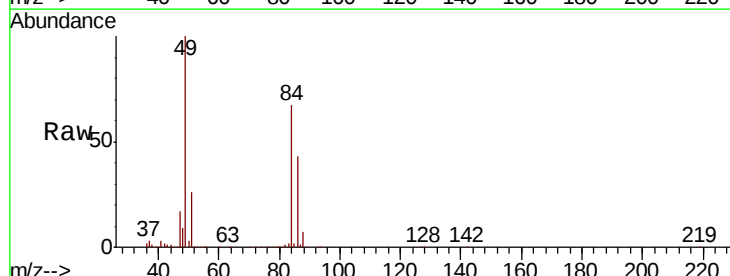
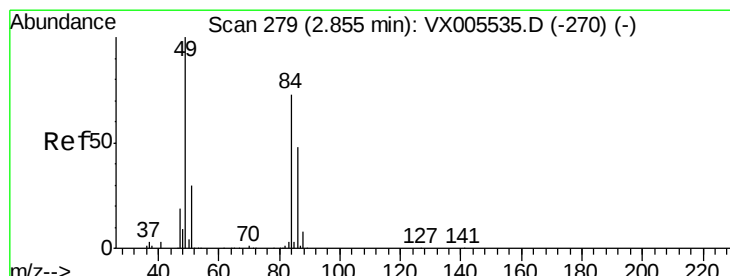
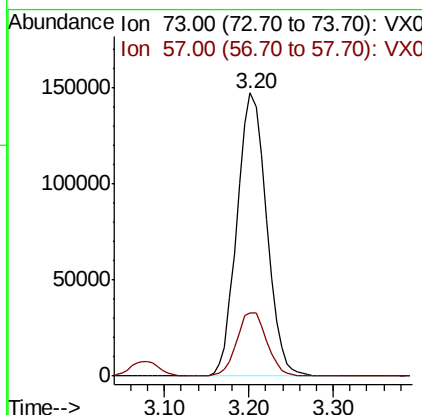
Tot Ion: 73 Resp: 348703
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7

Instrument :
MSVOA_X
ClientSampleId :
S37-0008MSD

Manual Integrations
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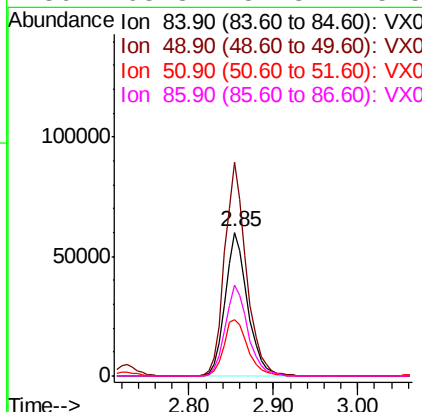
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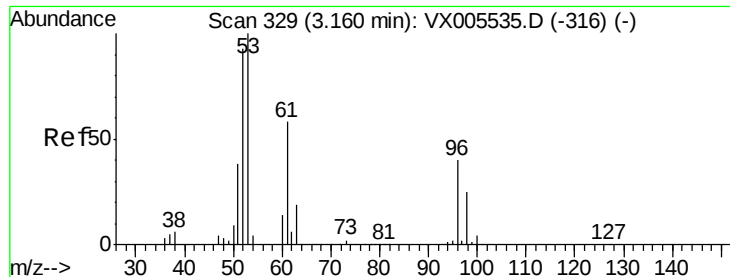
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#20
Methylene Chloride
Concen: 48.377 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion: 84 Resp: 109658
Ion Ratio Lower Upper
84 100
49 148.4 101.2 151.8
51 38.7 29.5 44.3
86 63.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.114 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

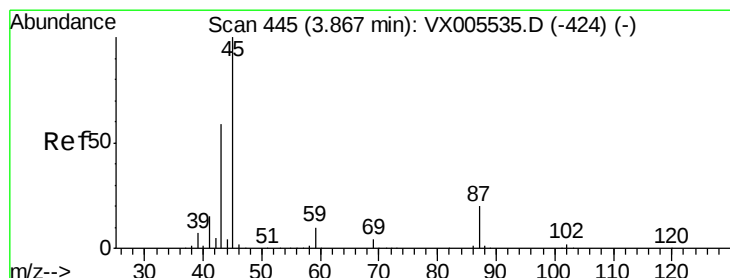
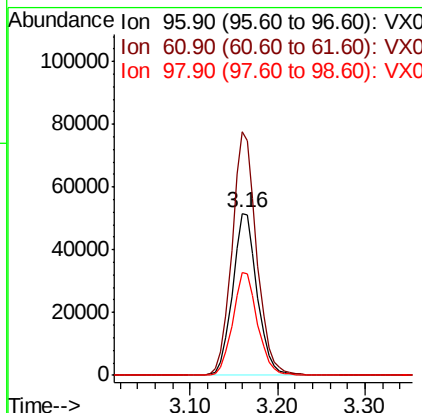
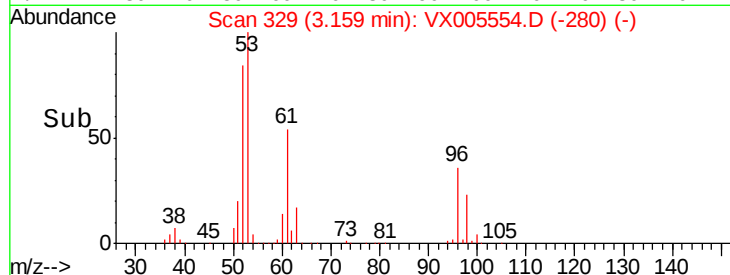
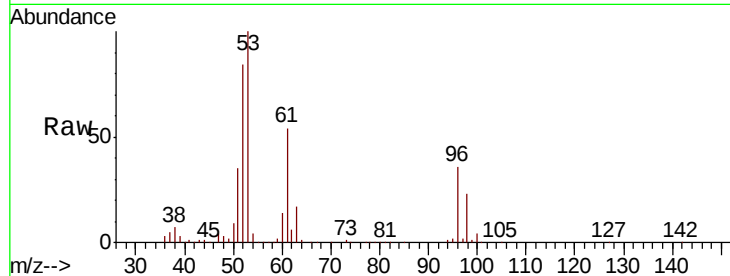
S37-0008MSD

Tot Ion:	96	Resp:	101318
Ion	Ratio	Lower	Upper
96	100		
61	150.0	113.8	170.6
98	63.3	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.463 ug/l

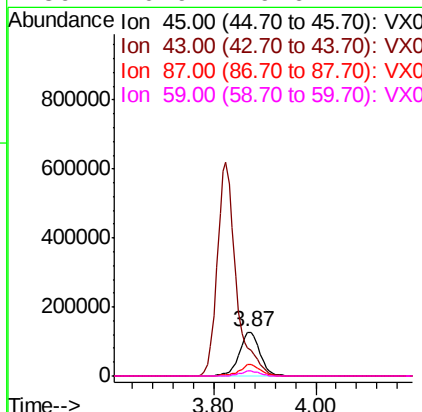
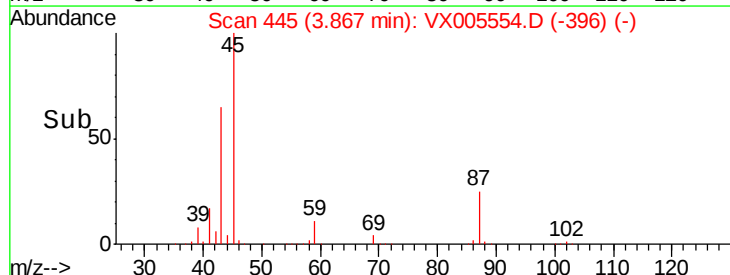
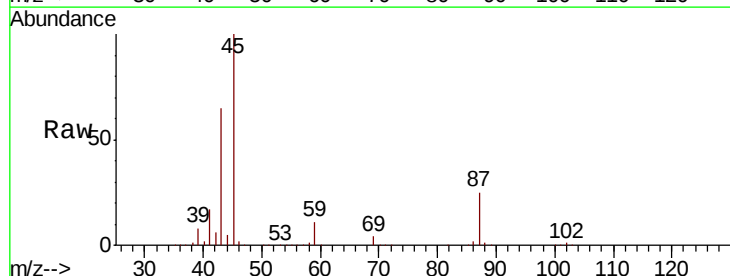
RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Tgt Ion:	45	Resp:	356661
Ion	Ratio	Lower	Upper
45	100		
43	64.6	42.8	64.2#
87	25.4	22.6	34.0
59	10.9	9.6	14.4





#23

Vinyl Acetate

Concen: 235.222 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

S37-0008MSD

Tot Ion: 43 Resp: 1590217

Ion Ratio Lower Upper

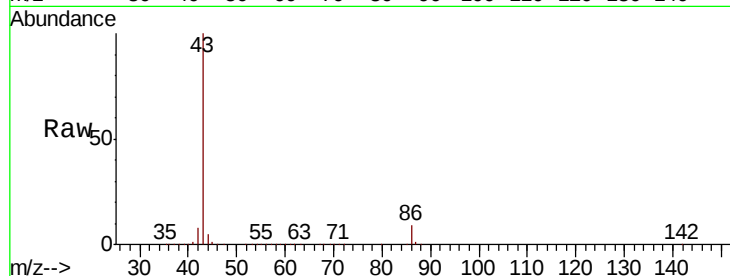
43 100

86 9.5 8.9 13.3

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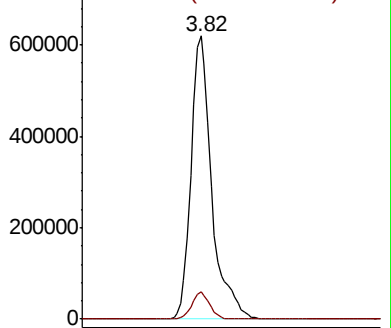
MMDadoda

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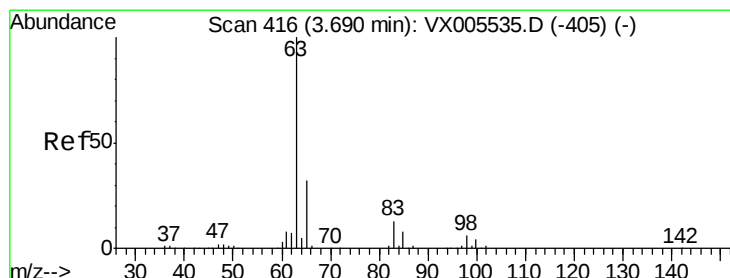
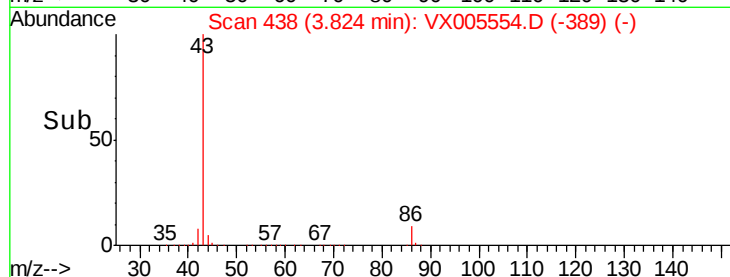


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 48.957 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

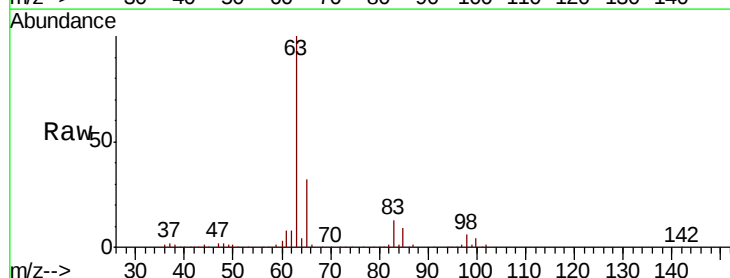
Tgt Ion: 63 Resp: 204317

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

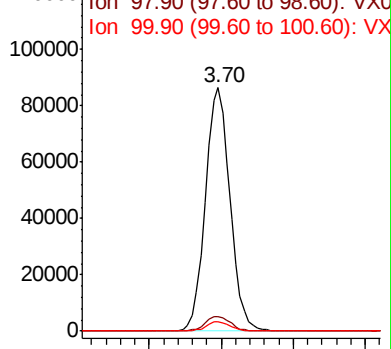
100 3.9 2.4 7.1



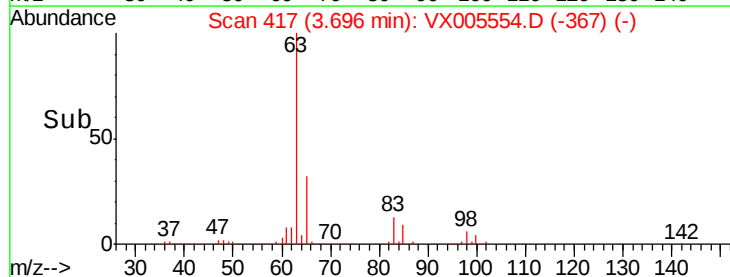
Abundance Ion 62.90 (62.60 to 63.60): VX0

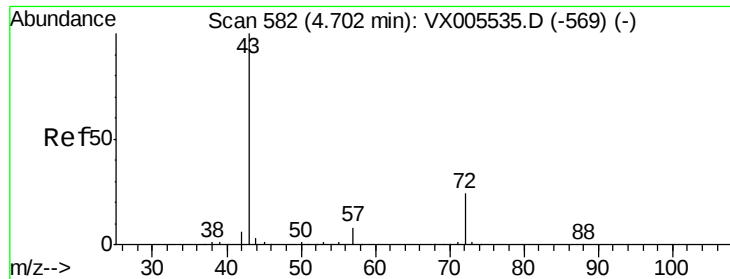
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 251.706 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

S37-0008MSD

Tot Ion: 43 Resp: 518759

Ion Ratio Lower Upper

43 100

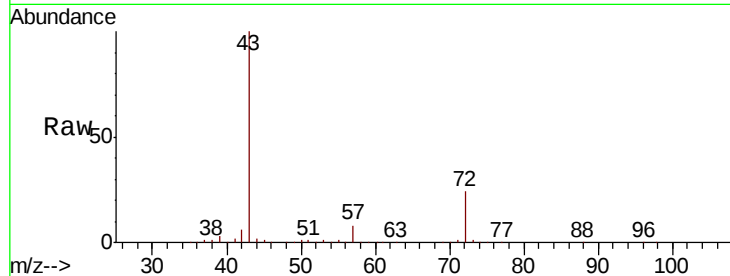
72 24.0 22.0 33.0

Manual Integrations

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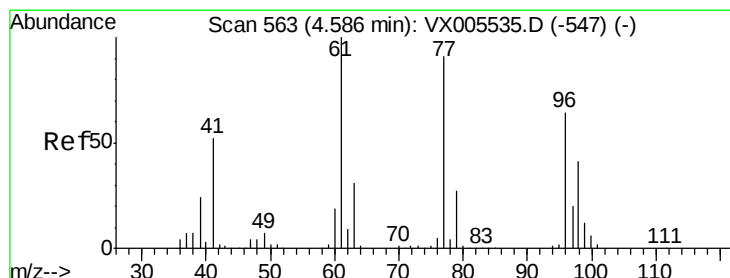
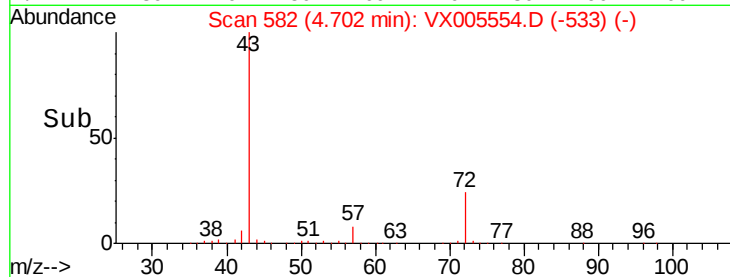
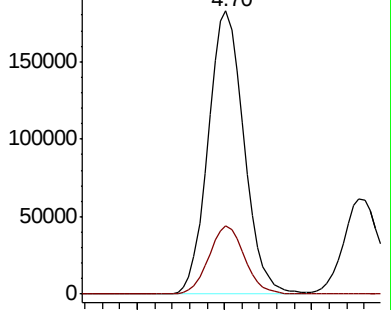
MMDadoda

10/26/2018 11:53:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 43.186 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX005554.D

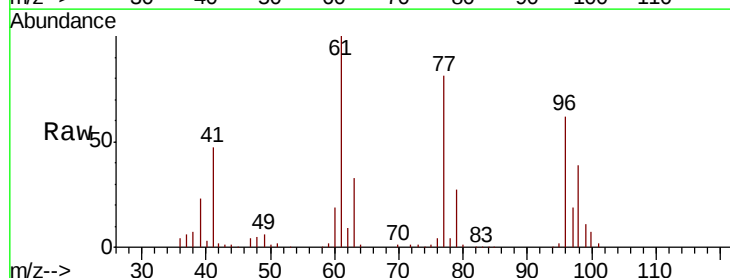
Acq: 24 Oct 2018 20:59

Tgt Ion: 77 Resp: 139148

Ion Ratio Lower Upper

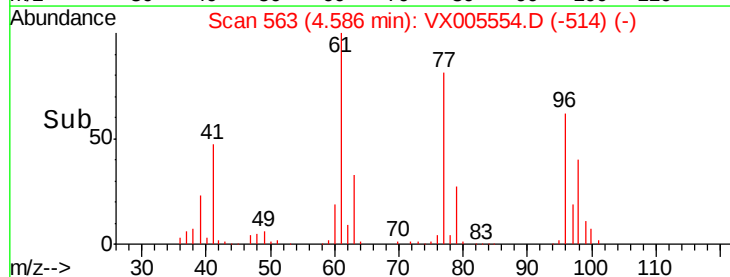
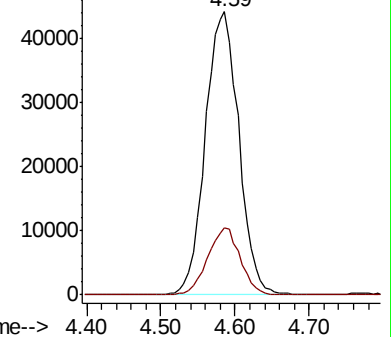
77 100

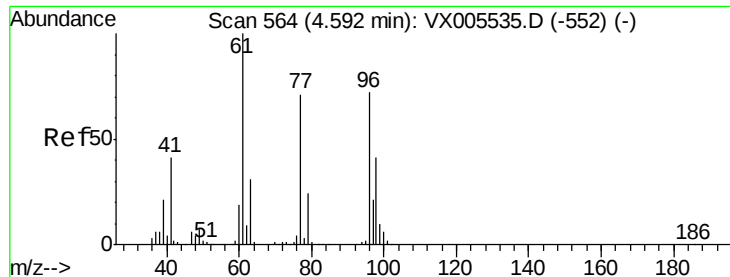
97 23.2 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene
Concen: 48.316 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

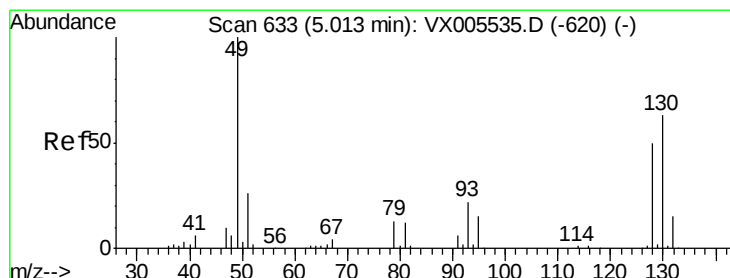
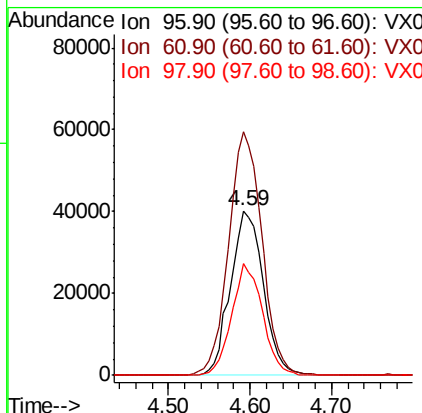
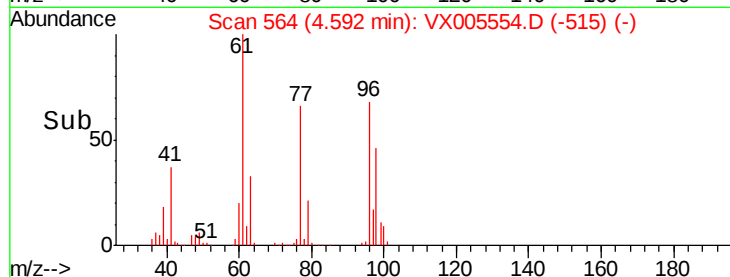
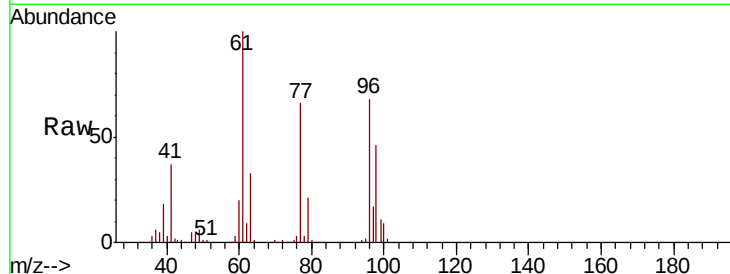
Instrument :
MSVOA_X
ClientSampleId :
S37-0008MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.3	0.0	282.6	
98	63.7	0.0	130.2	

Manual Integrations
APPROVED

MMDadoda

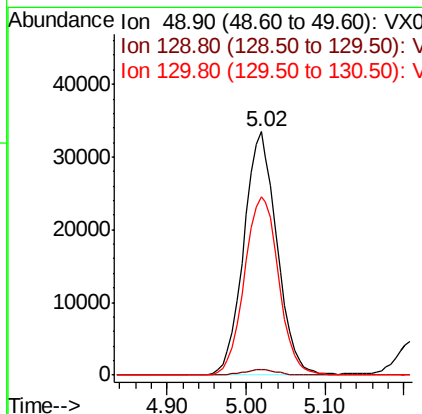
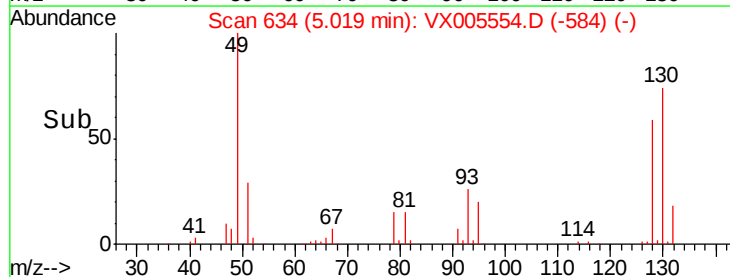
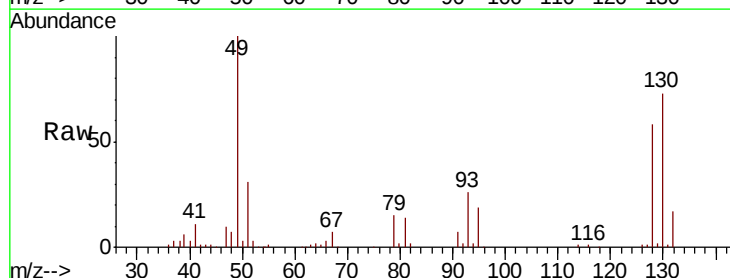
10/26/2018 11:53:40 AM

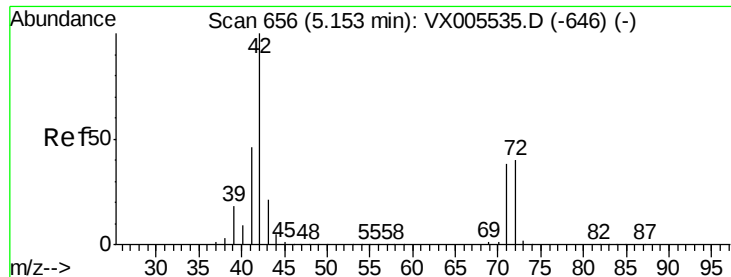


#28

Bromochloromethane
Concen: 48.476 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	75.5	67.5	101.3	





#29
Tetrahydrofuran
Concen: 253.813 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

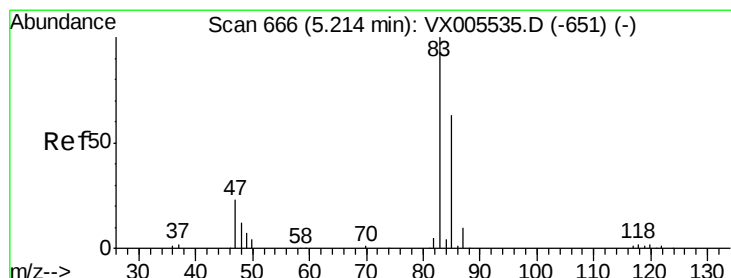
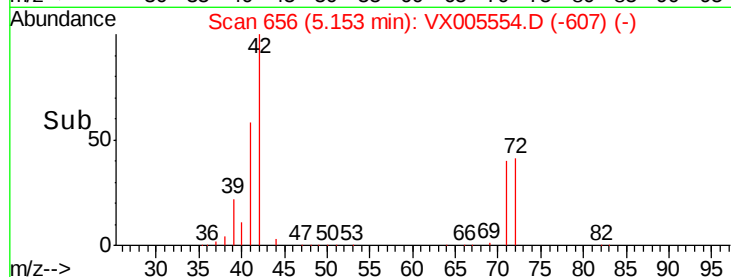
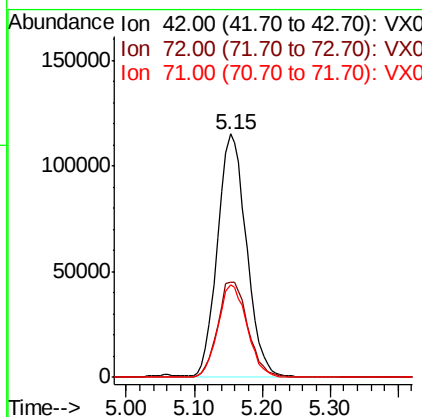
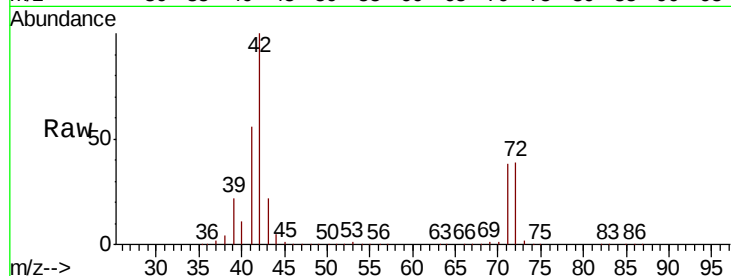
Instrument :
MSVOA_X
ClientSampled :
S37-0008MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	37.4	56.0
71	38.4	34.5	51.7

Manual Integrations
APPROVED

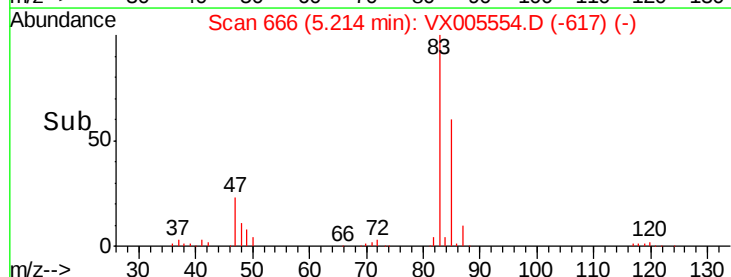
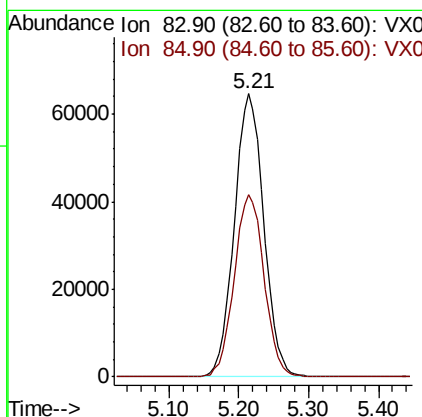
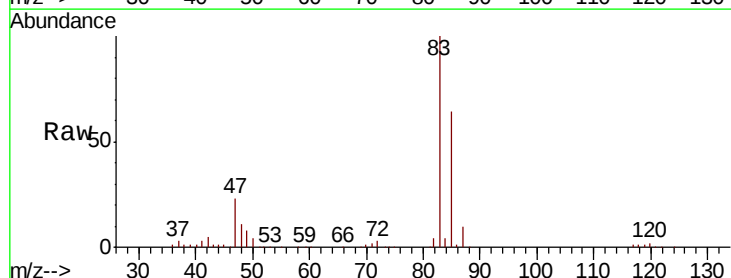
MMDadoda

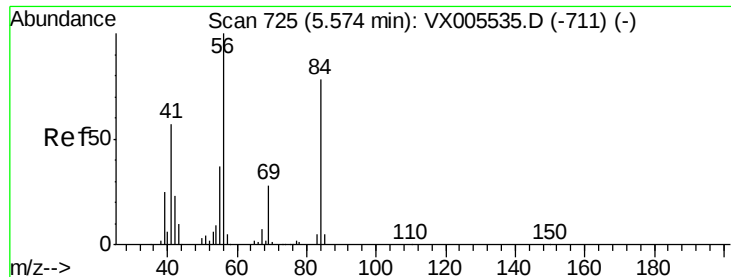
10/26/2018 11:53:40 AM



#30
Chloroform
Concen: 48.403 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	79.0





#31

Cyclohexane

Concen: 48.119 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

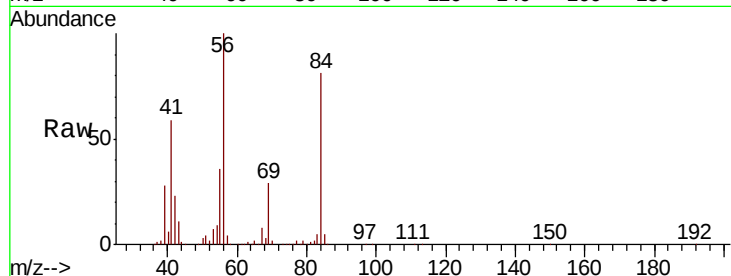
S37-0008MSD

Tot Ion:	56	Resp:	166158
Ion	Ratio	Lower	Upper
56	100		
69	28.7	25.4	38.2
84	79.3	71.4	107.2

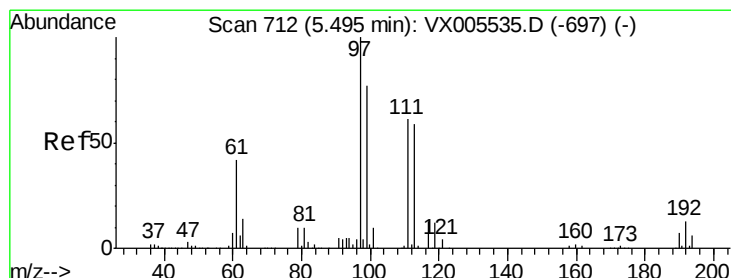
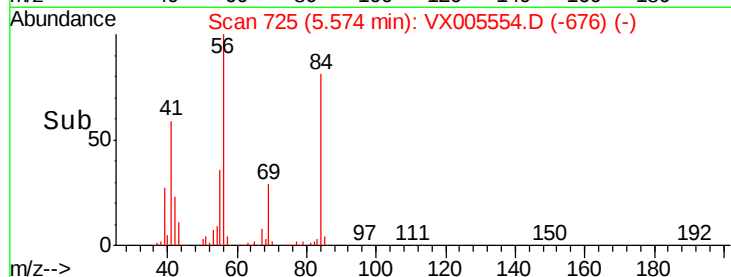
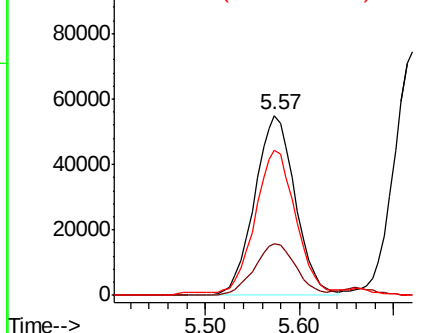
Manual Integrations
APPROVED

MMDadoda

10/26/2018 11:53:40 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 48.518 ug/l

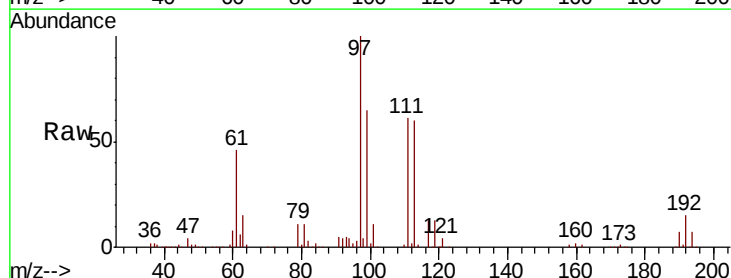
RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

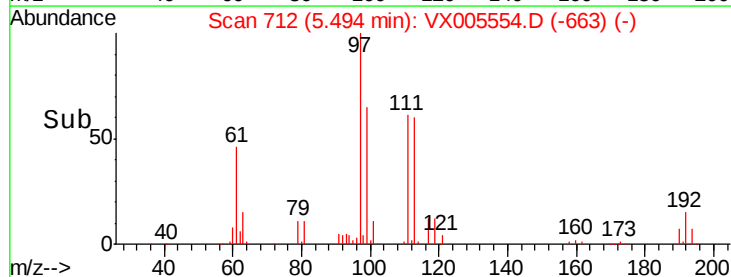
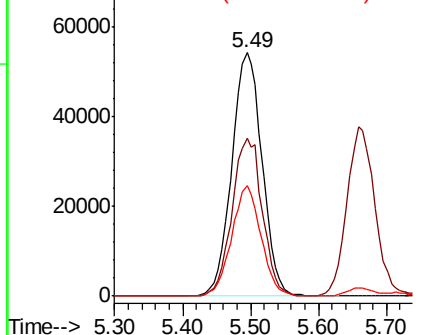
Lab File: VX005554.D

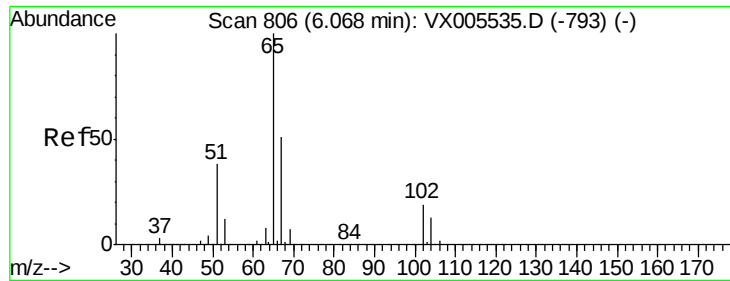
Acq: 24 Oct 2018 20:59

Tgt Ion:	97	Resp:	167171
Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	44.1	34.9	52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.389 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

S37-0008MSD

Tot Ion: 65 Resp: 126498

Ion Ratio Lower Upper

65 100

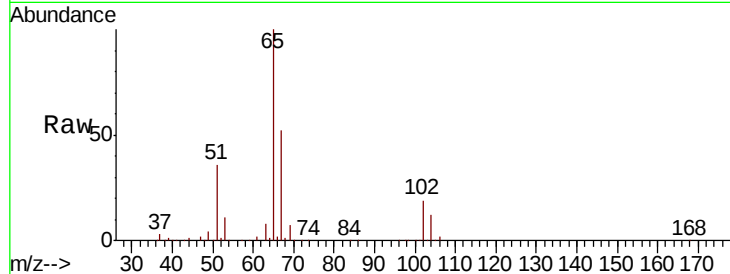
67 52.8 0.0 106.8

Manual Integrations

APPROVED

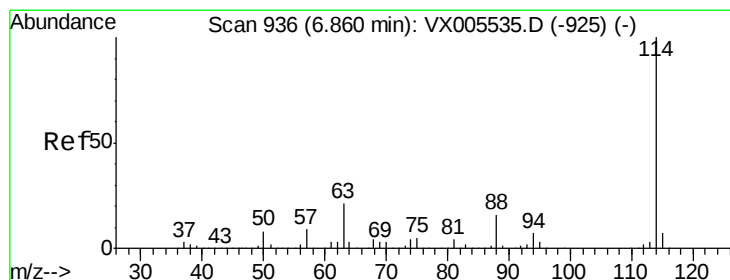
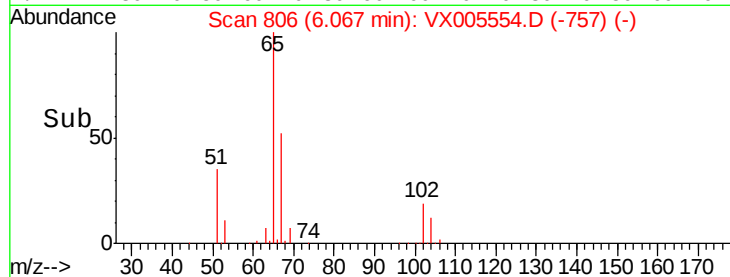
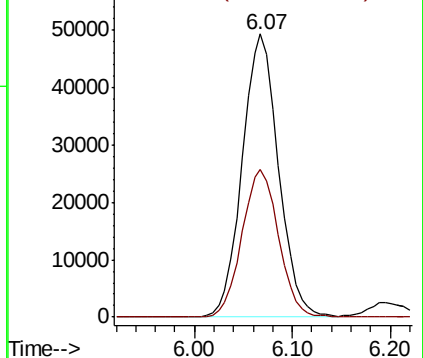
MMDadoda

10/26/2018 11:53:40 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

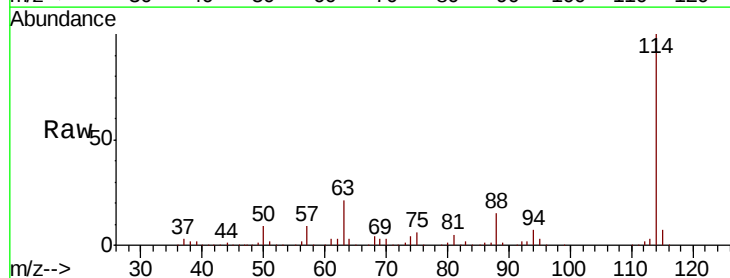
Tgt Ion: 114 Resp: 311986

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.0

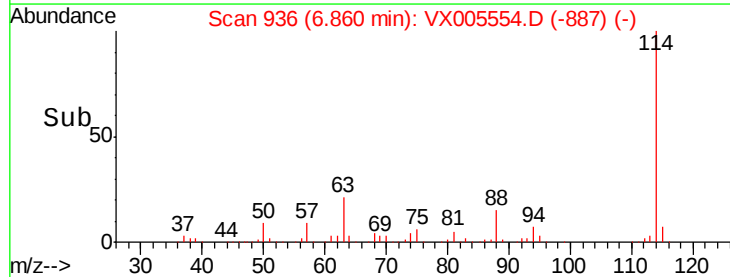
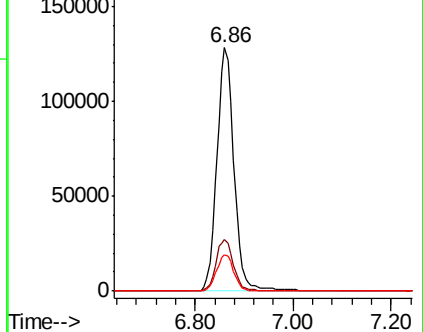
88 14.9 0.0 30.4

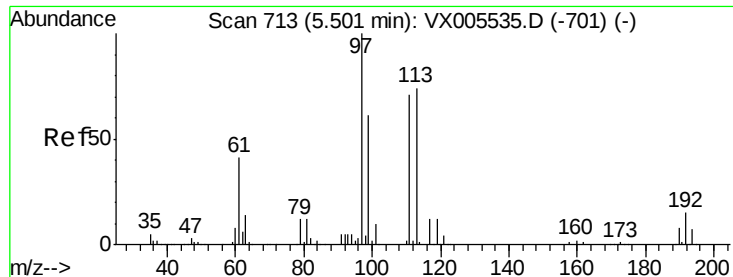


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35
 Dibromofluoromethane
 Concen: 48.173 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

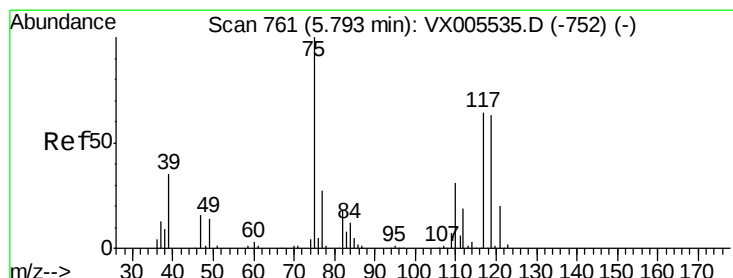
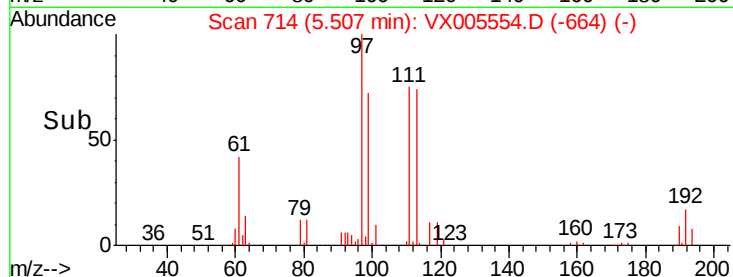
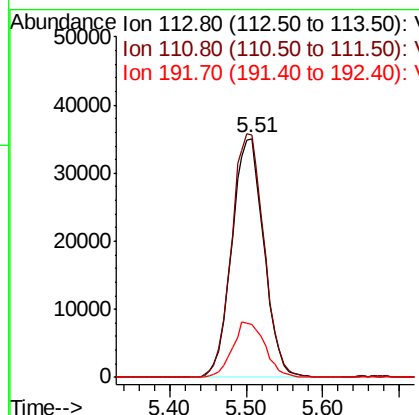
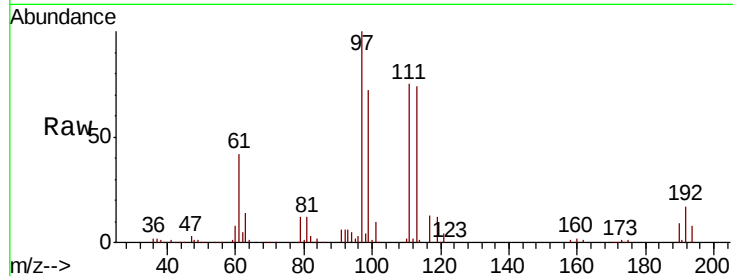
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0008MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101766		
111	103.0	82.4	123.6	
192	23.4	19.4	29.2	

Manual Integrations
 APPROVED

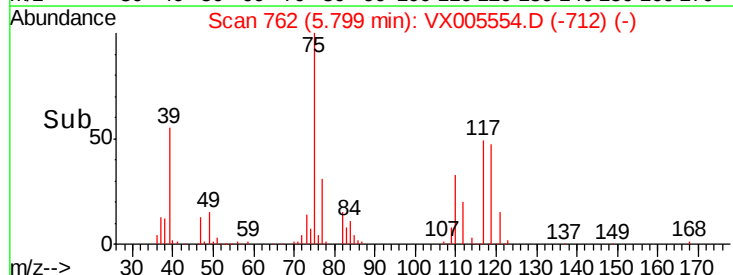
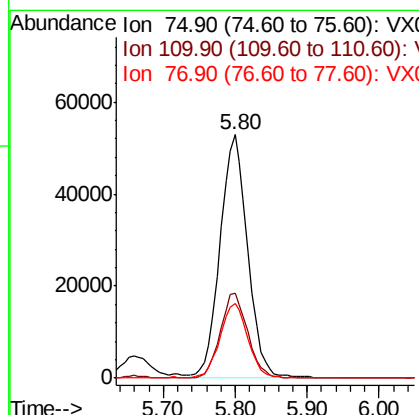
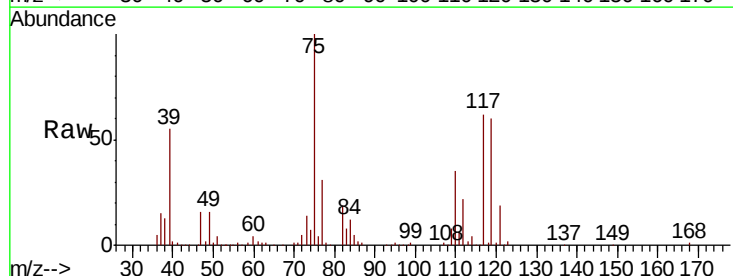
MMDadoda

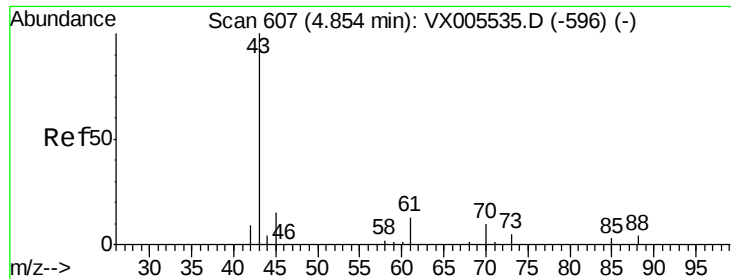
10/26/2018 11:53:40 AM



#36
 1,1-Dichloropropene
 Concen: 46.111 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139609		
110	35.0	18.0	54.0	
77	30.8	24.6	36.8	





#37
Ethyl Acetate
Concen: 46.492 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

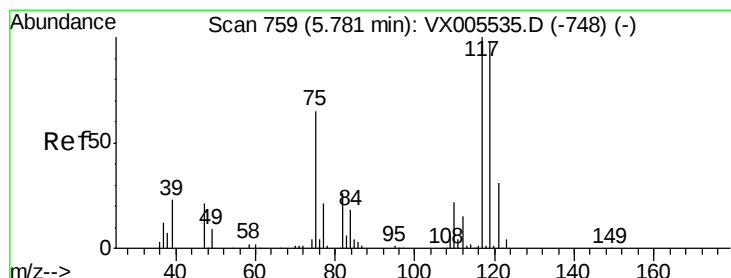
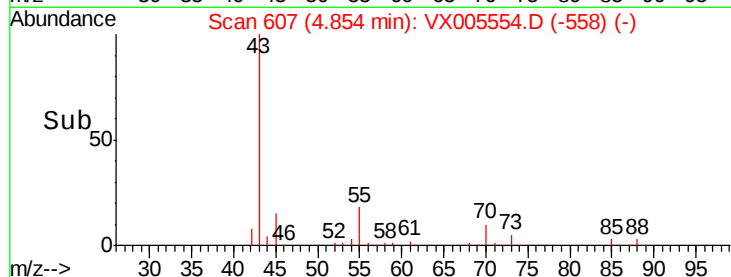
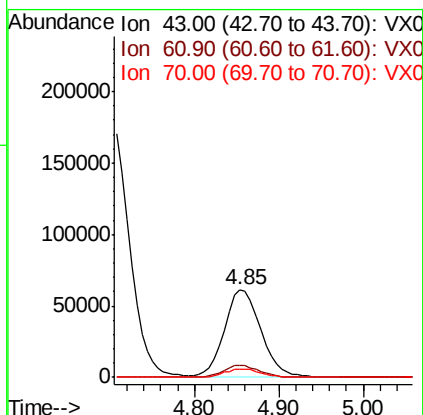
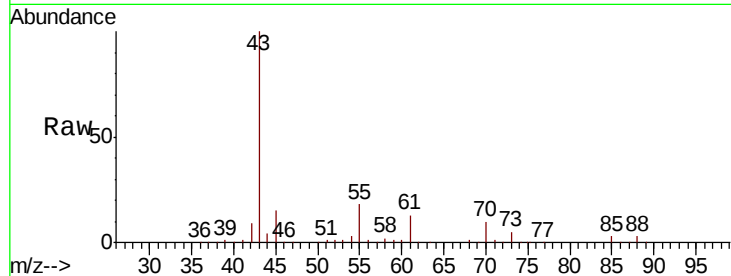
Instrument :
MSVOA_X
ClientSampleId :
S37-0008MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	9.8	9.0	13.6

Manual Integrations
APPROVED

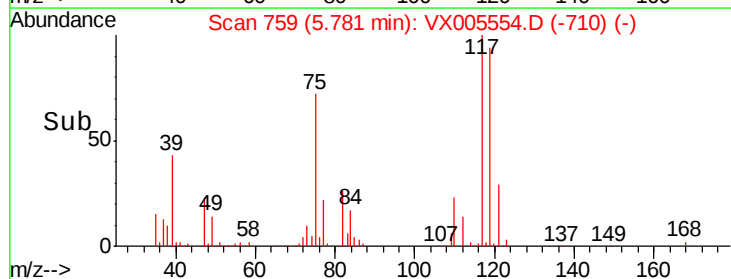
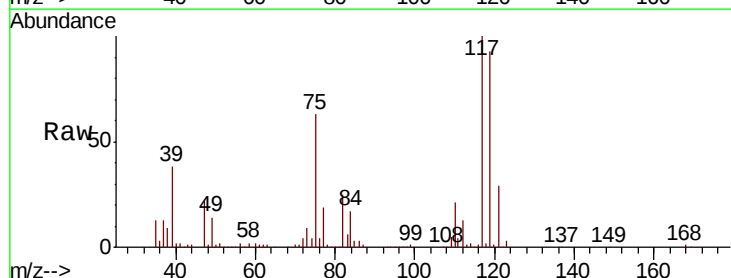
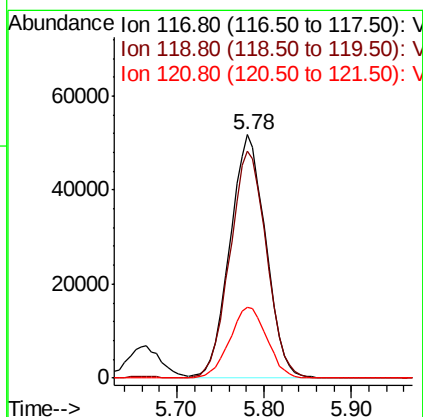
MMDadoda

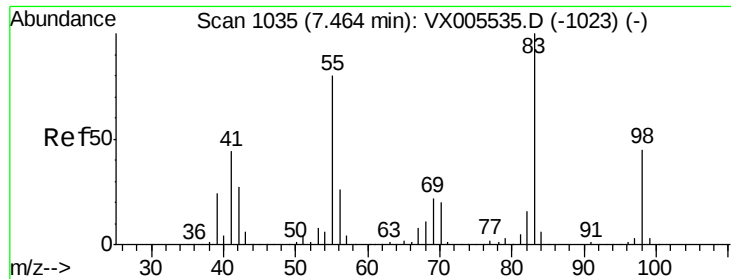
10/26/2018 11:53:40 AM



#38
Carbon Tetrachloride
Concen: 46.344 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.8	118.2
121	29.3	24.9	37.3





#39
Methvlcvclohexane
Concen: 47.198 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

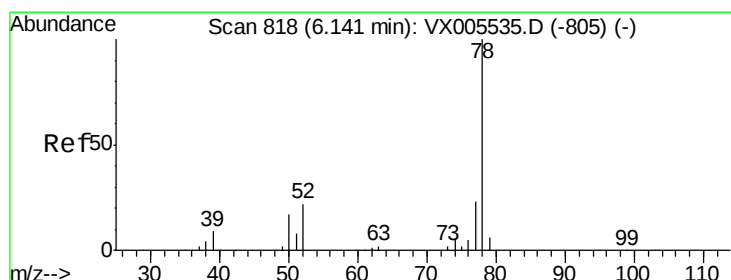
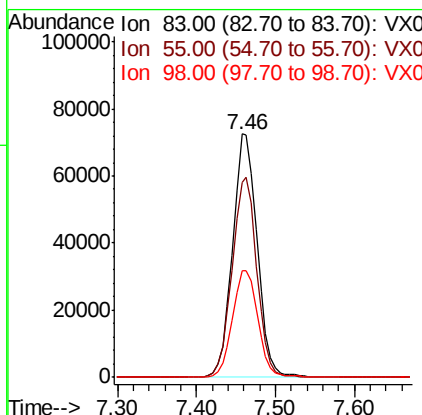
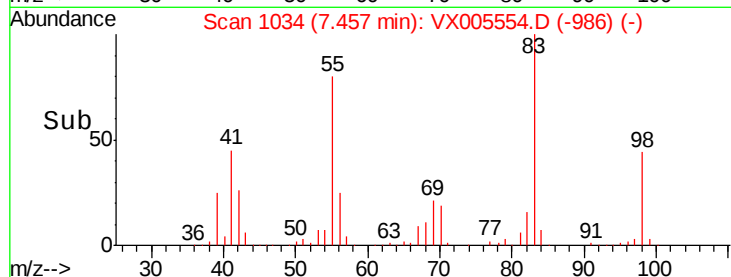
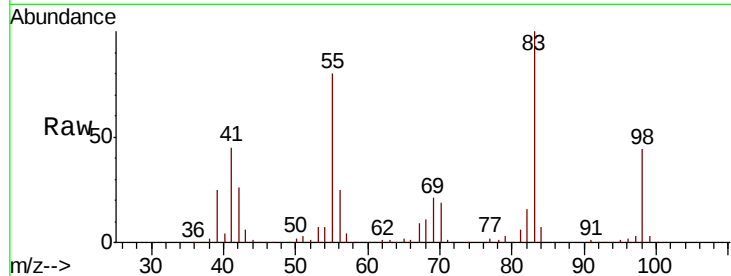
Instrument :
MSVOA_X
ClientSampleId :
S37-0008MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	157794		
55	80.3		61.0	91.4
98	44.0		39.6	59.4

Manual Integrations
APPROVED

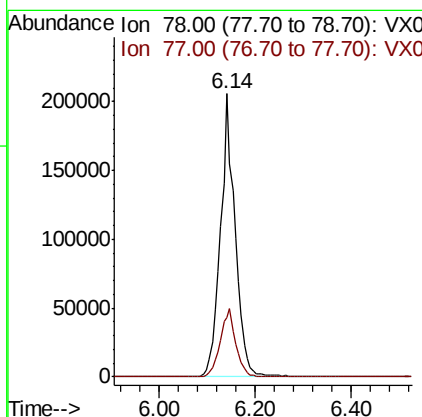
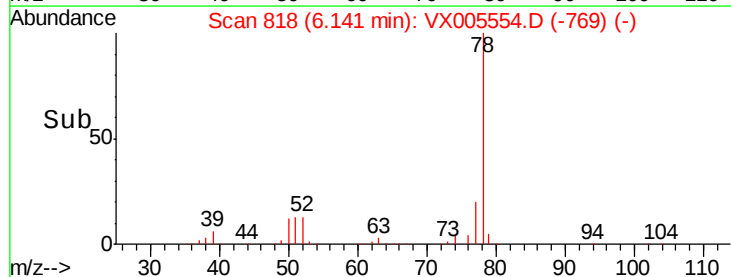
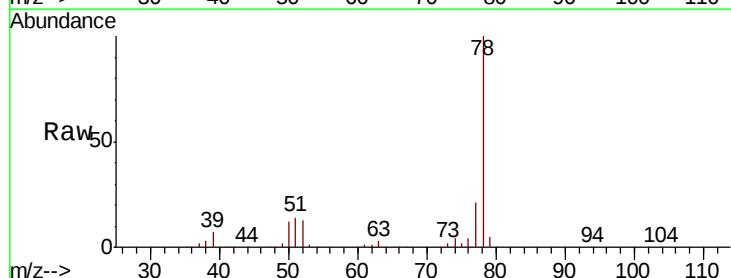
MMDadoda

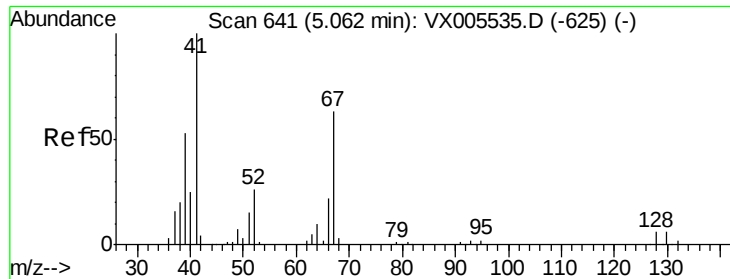
10/26/2018 11:53:40 AM



#40
Benzene
Concen: 50.644 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	439551		
77	20.8		19.0	28.4





#41
Methacrylonitrile
Concen: 48.018 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

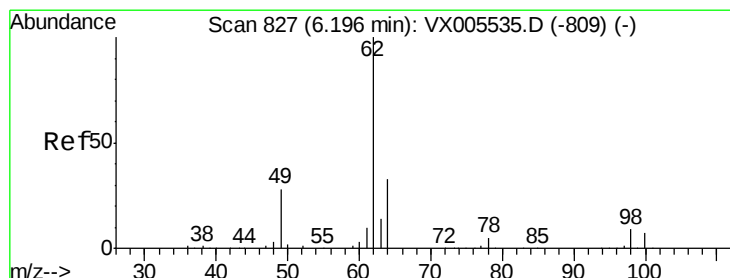
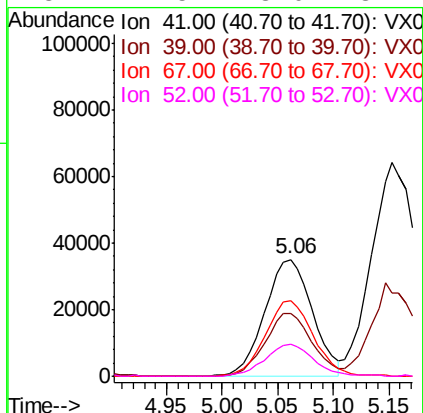
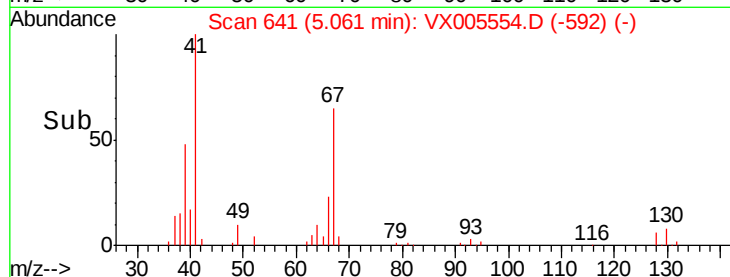
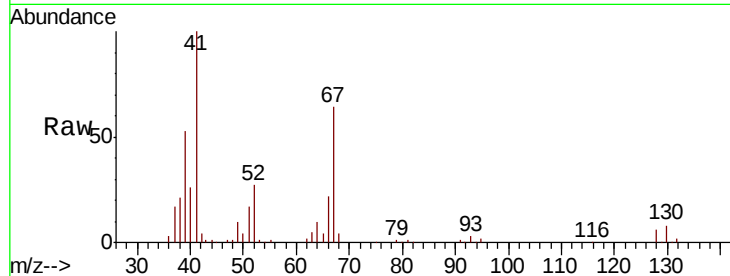
Instrument :
MSVOA_X
ClientSampleID :
S37-0008MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	42.4	63.6	
67	65.9	59.2	88.8	
52	27.5	23.0	34.4	

Manual Integrations
APPROVED

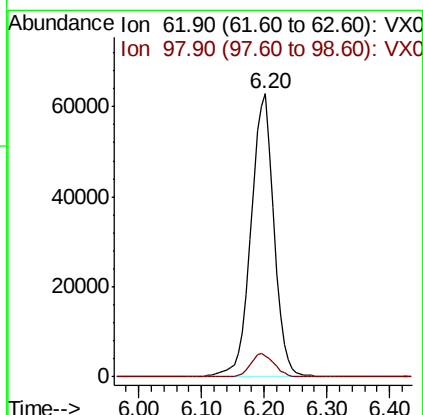
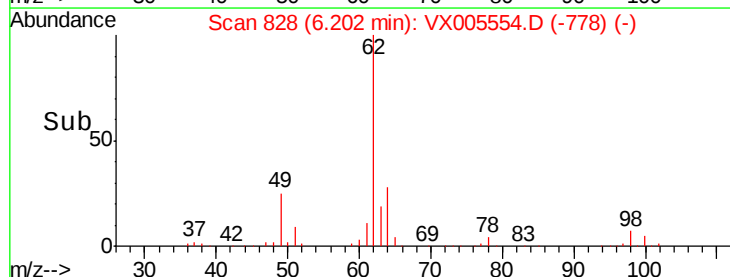
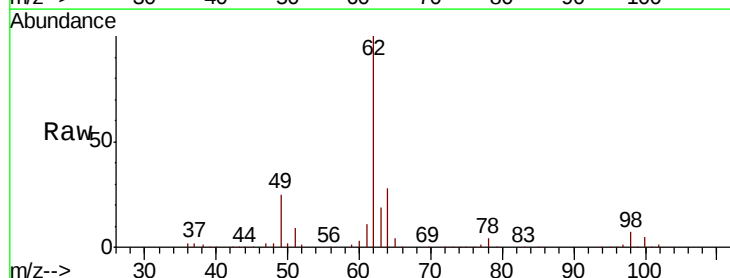
MMDadoda

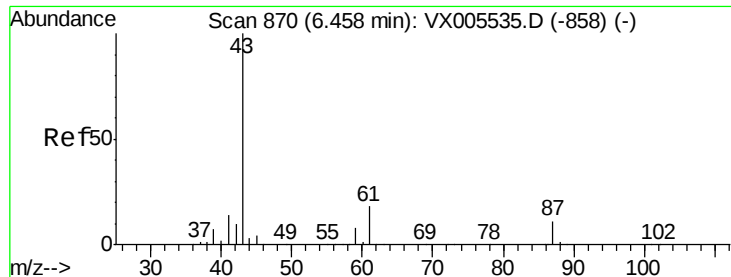
10/26/2018 11:53:40 AM



#42
1,2-Dichloroethane
Concen: 48.441 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	20.6	





#43

Isopropyl Acetate

Concen: 48.034 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampled :

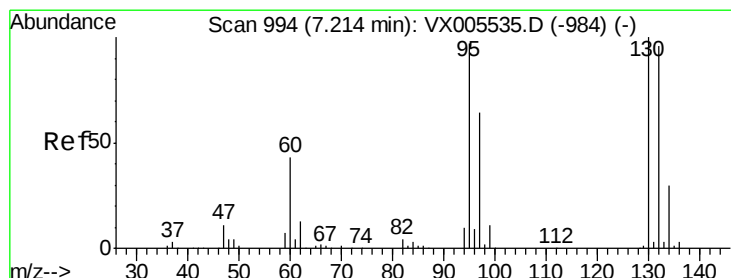
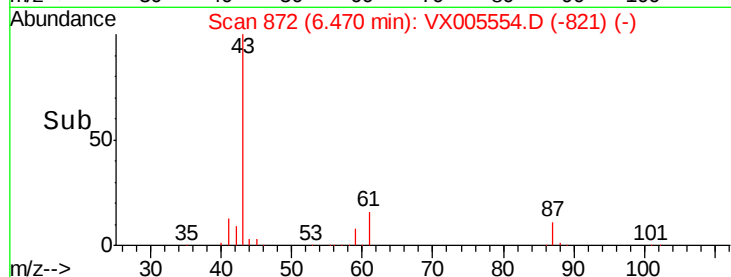
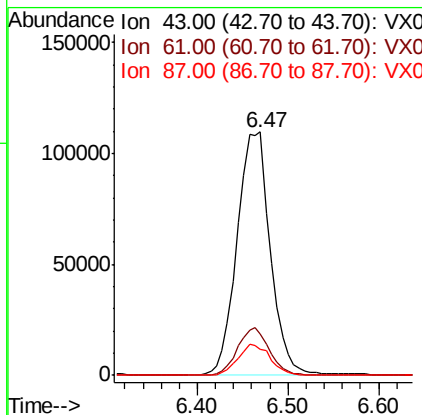
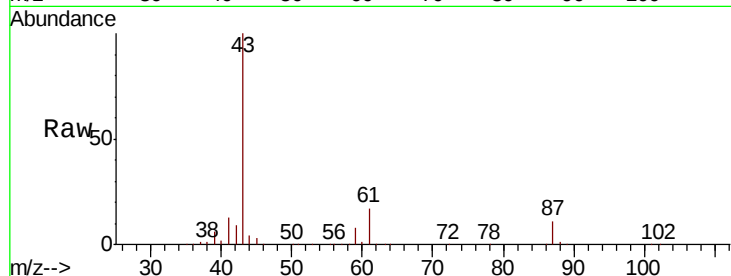
S37-0008MSD

Tot Ion:	43	Resp:	278097
Ion	Ratio	Lower	Upper
43	100		
61	18.9	17.0	25.4
87	12.4	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 47.773 ug/l

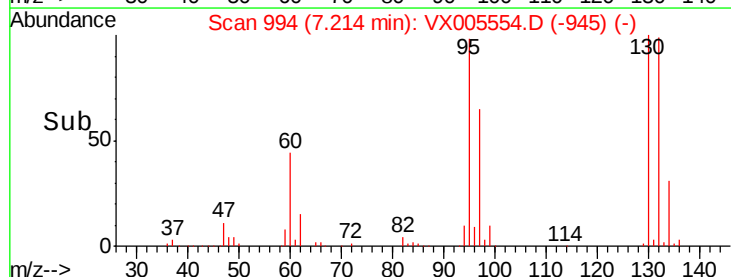
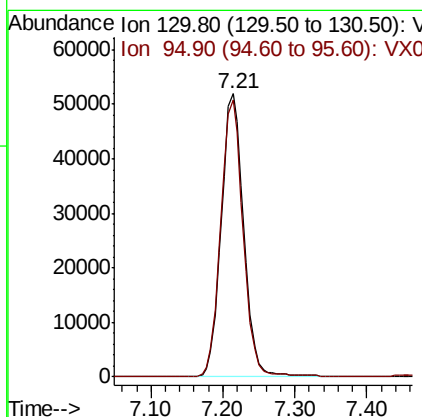
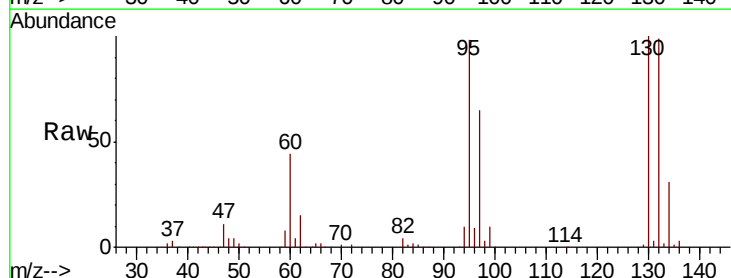
RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Tgt Ion:	130	Resp:	112956
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	181.6





#45

1,2-Dichloropropane

Concen: 48.508 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampled :

S37-0008MSD

Tot Ion: 63 Resp: 113189

Ion Ratio Lower Upper

63 100

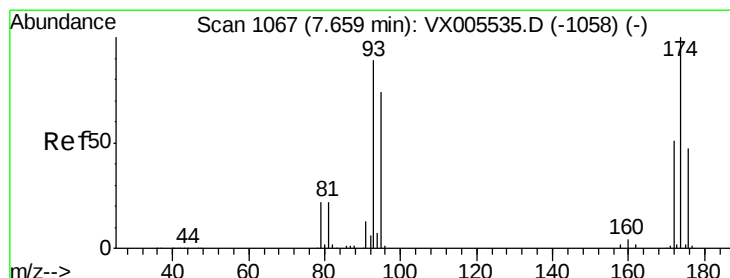
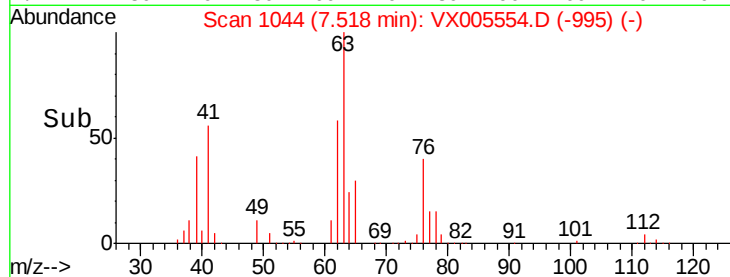
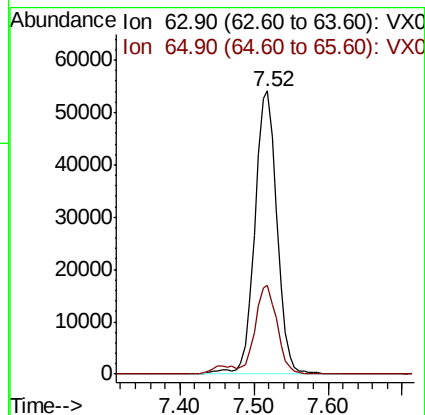
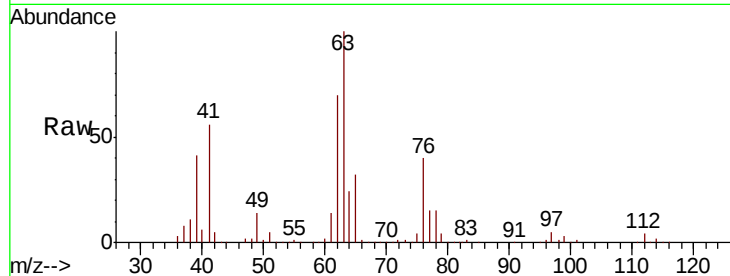
65 31.6 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 48.599 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

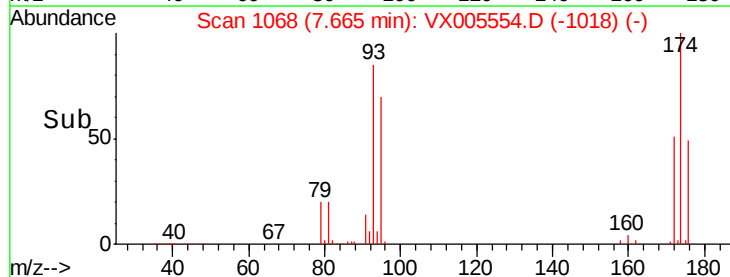
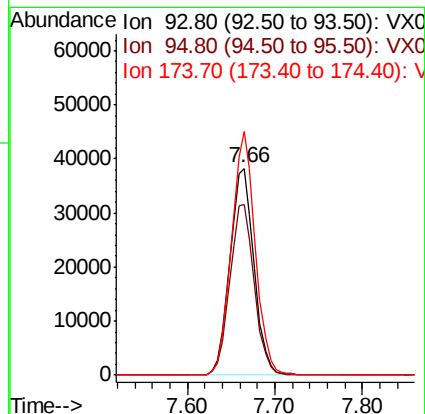
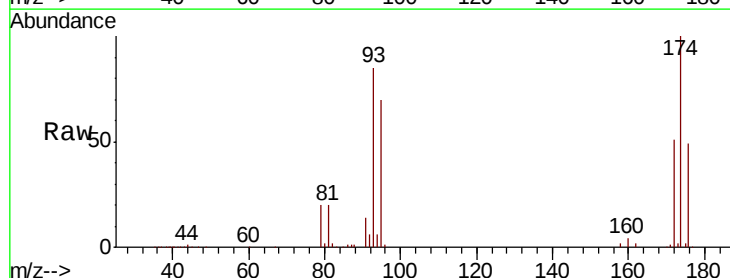
Tgt Ion: 93 Resp: 73242

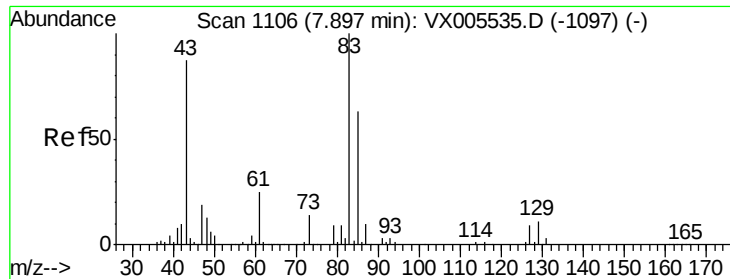
Ion Ratio Lower Upper

93 100

95 83.6 65.5 98.3

174 115.7 94.2 141.4





#47
 Bromodichloromethane
 Concen: 49.306 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

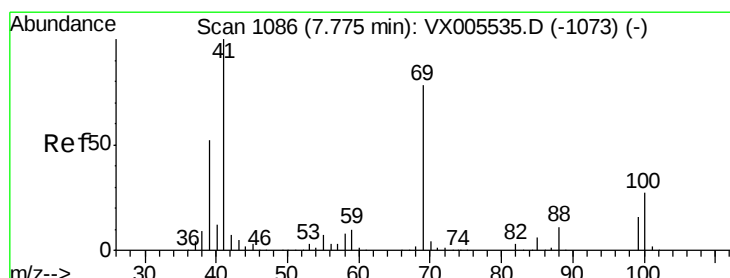
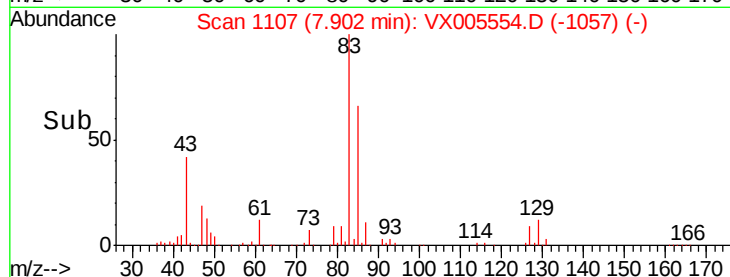
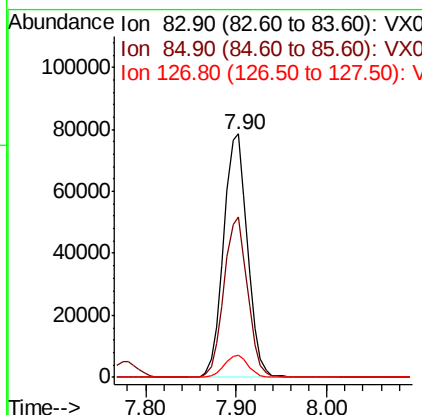
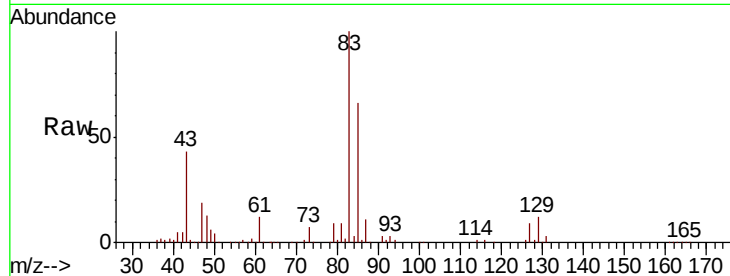
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0008MSD

Tot Ion:	83	Resp:	144222
Ion Ratio	Lower	Upper	
83	100		
85	65.7	50.9	76.3
127	9.0	7.3	10.9

Manual Integrations
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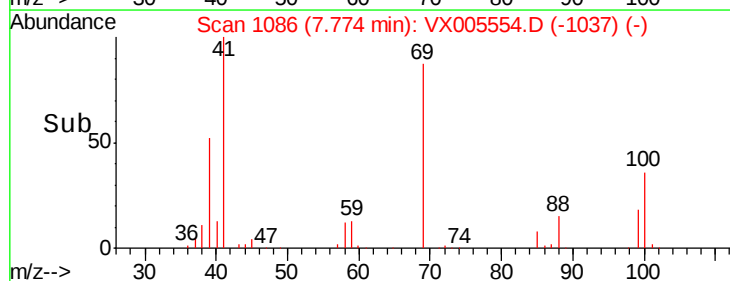
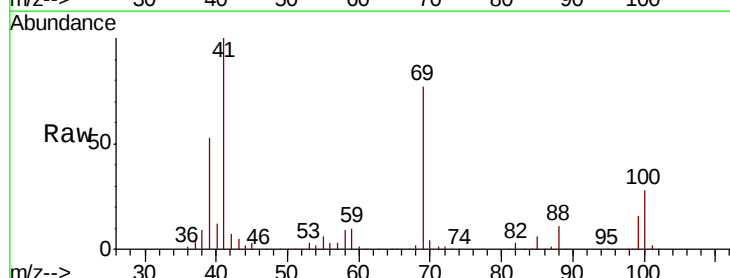
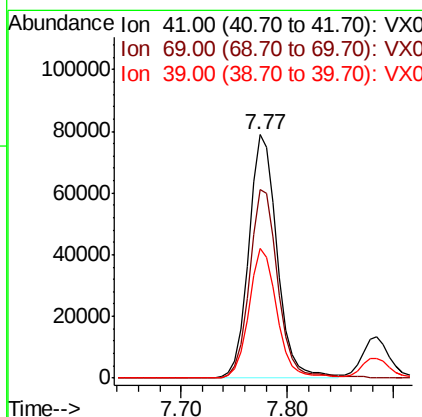
MMDadoda

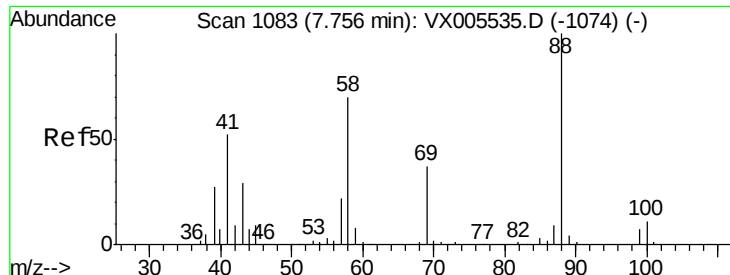
10/26/2018 11:53:40 AM



#48
 Methyl methacrylate
 Concen: 52.155 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

Tgt Ion:	41	Resp:	147102
Ion Ratio	Lower	Upper	
41	100		
69	78.4	70.2	105.4
39	52.6	42.7	64.1





#49
1,4-Dioxane
Concen: 1080.436 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

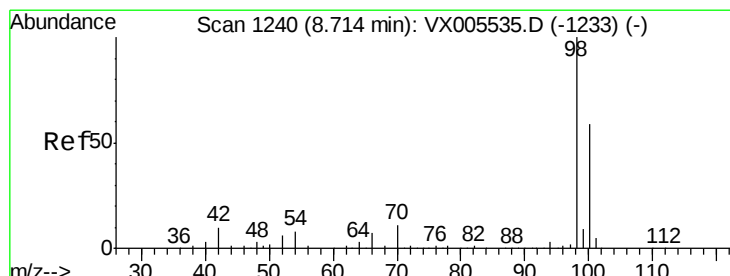
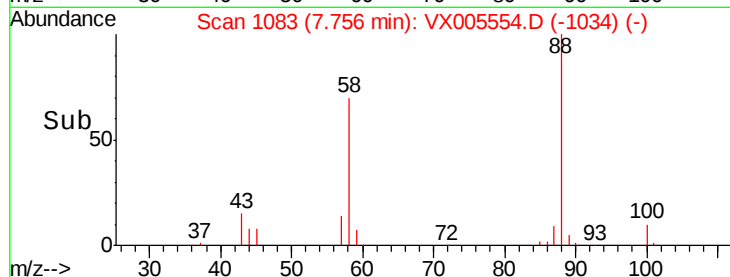
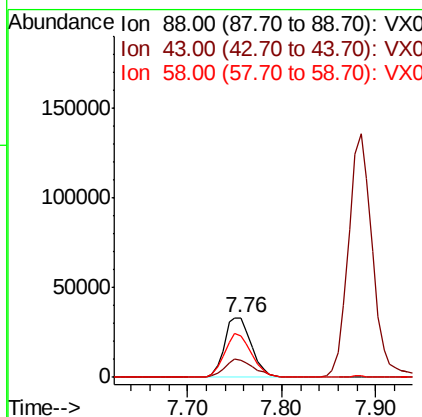
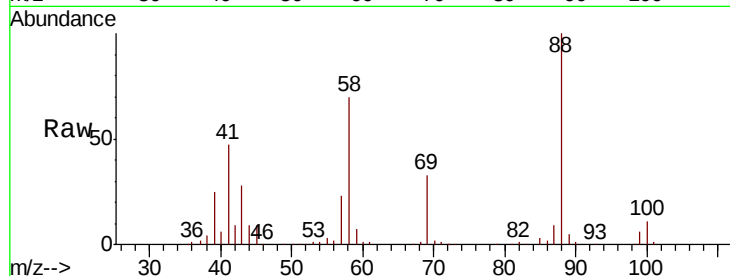
Instrument :
MSVOA_X
ClientSampleId :
S37-0008MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	24.7	37.1
58	72.8	55.3	82.9

Manual Integrations
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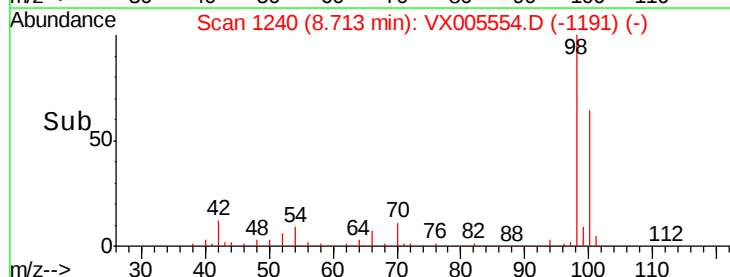
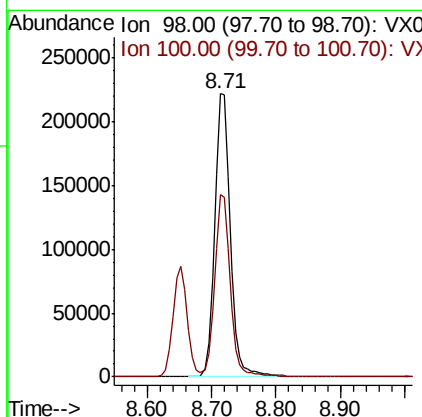
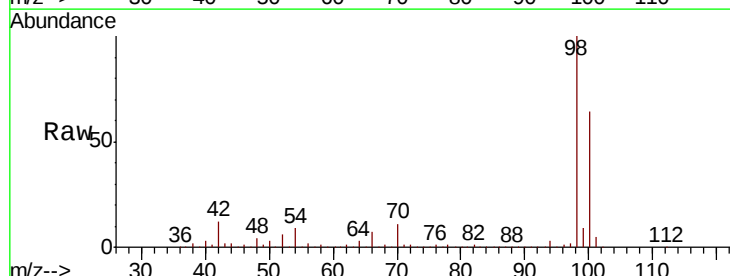
MMDadoda

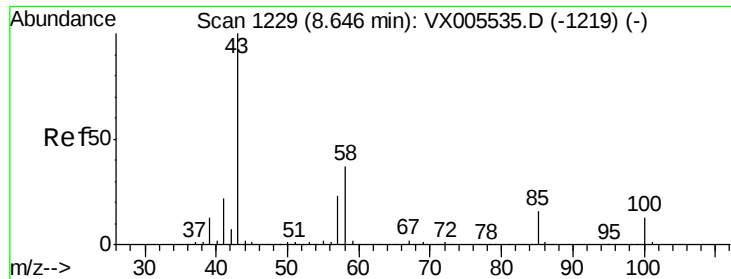
10/26/2018 11:53:40 AM



#50
Toluene-d8
Concen: 50.164 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.9	79.3





#51
4-Methyl-2-Pentanone
Concen: 257.741 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.01 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

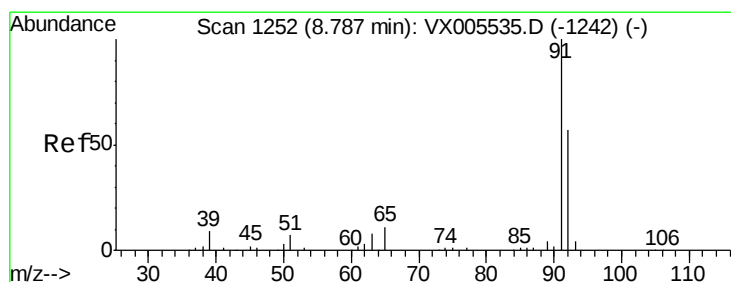
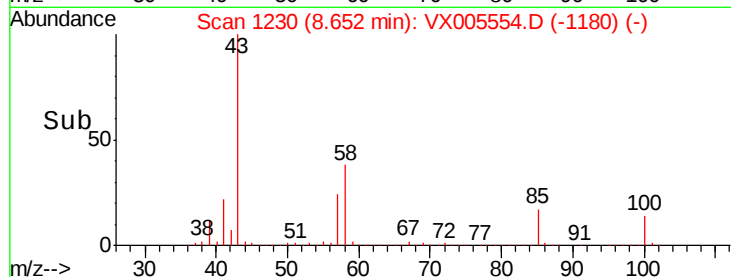
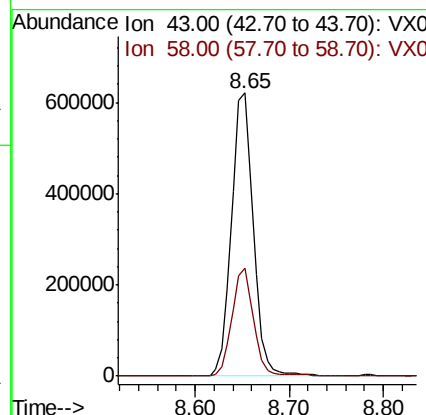
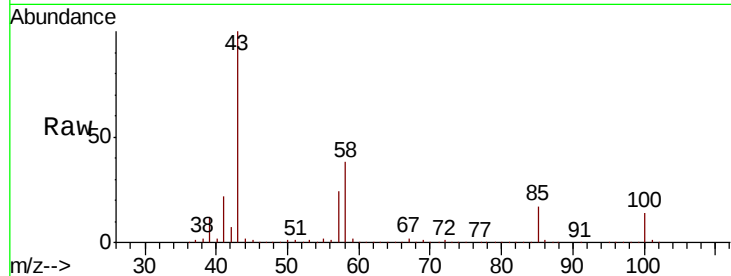
Instrument :
MSVOA_X
ClientSampleId :
S37-0008MSD

Tot Ion: 43 Resp: 1002868
Ion Ratio Lower Upper
43 100
58 37.1 33.1 49.7

Manual Integrations
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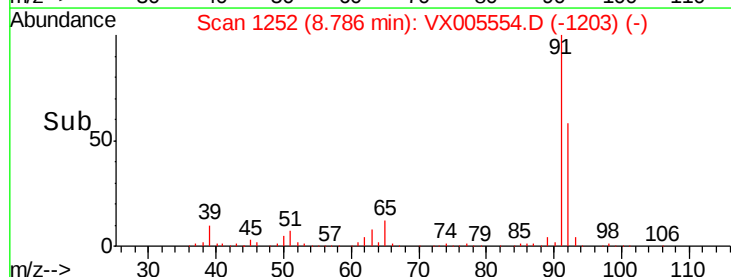
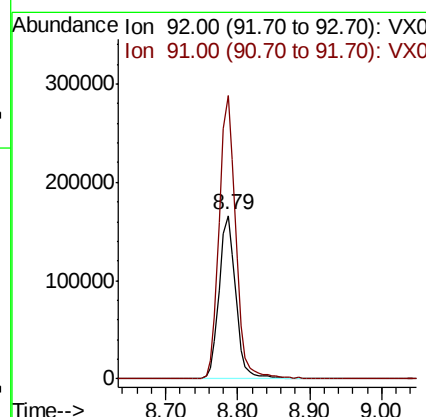
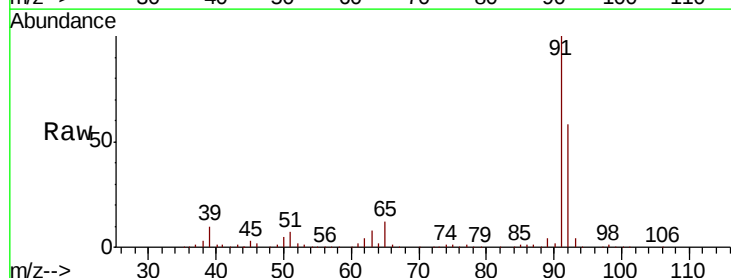
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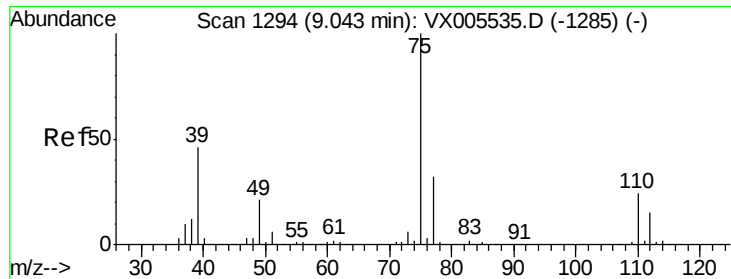
10/26/2018 11:53:40 AM



#52
Toluene
Concen: 50.384 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion: 92 Resp: 265766
Ion Ratio Lower Upper
92 100
91 173.4 136.4 204.6





#53
t-1,3-Dichloropropene
Concen: 51.216 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

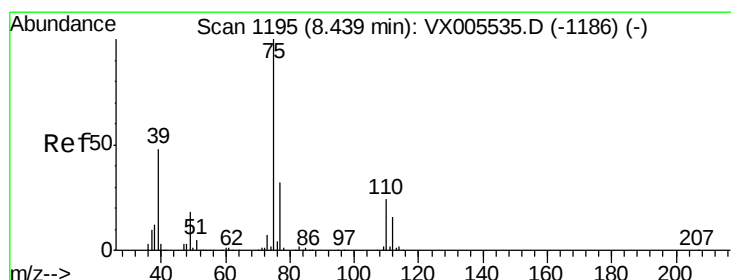
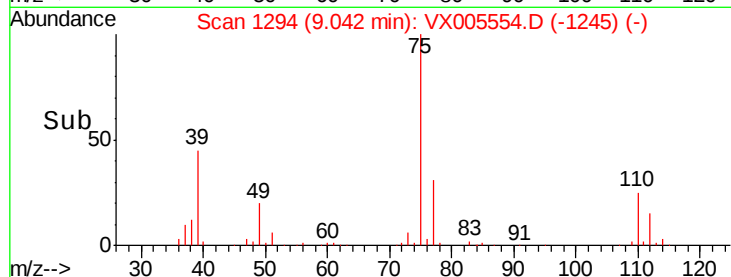
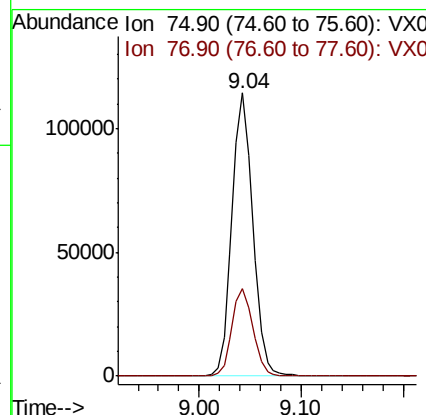
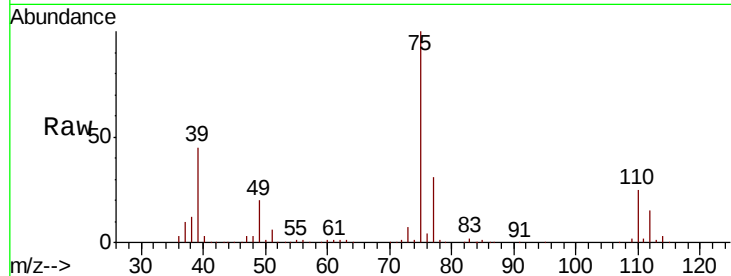
Instrument :
MSVOA_X
ClientSampled :
S37-0008MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	37.0

Manual Integrations
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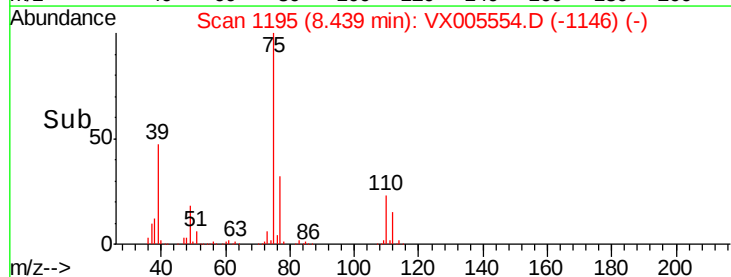
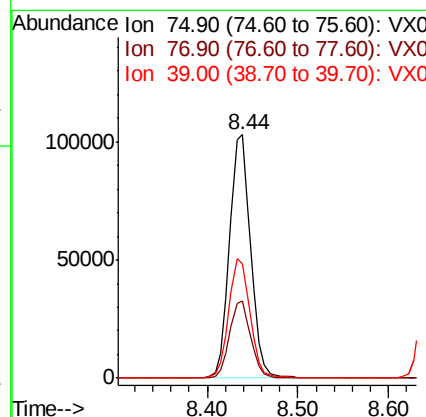
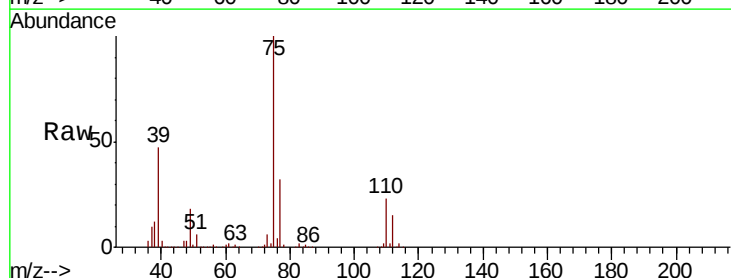
MMDadoda

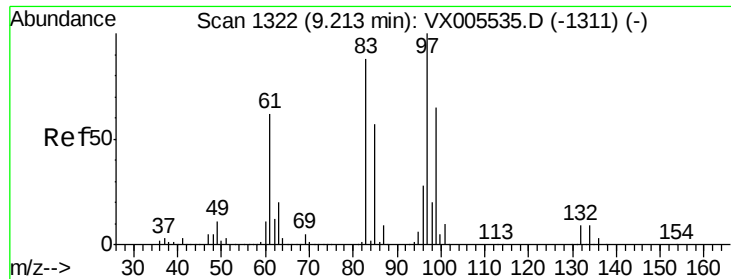
10/26/2018 11:53:40 AM



#54
cis-1,3-Dichloropropene
Concen: 49.190 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.2	39.2
39	46.9	36.4	54.6





#55
 1,1,2-Trichloroethane
 Concen: 49.197 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

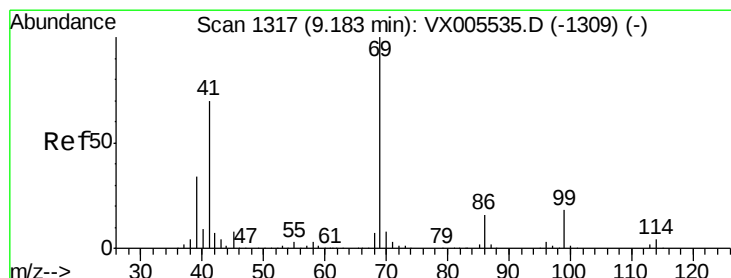
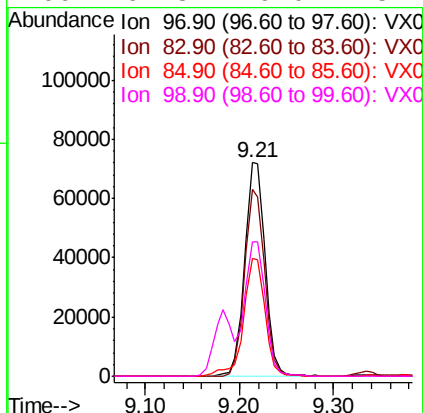
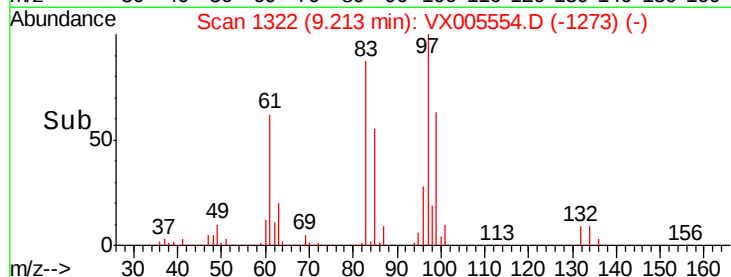
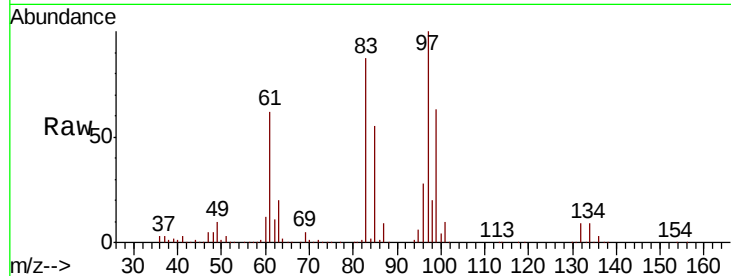
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0008MSD

Tot Ion:	97	Resp:	109408
Ion	Ratio	Lower	Upper
97	100		
83	87.5	66.4	99.6
85	55.4	43.3	64.9
99	62.8	49.0	73.4

Manual Integrations
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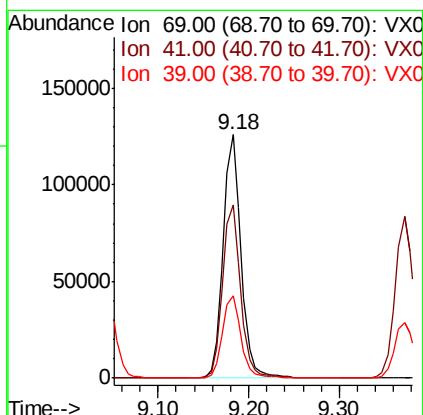
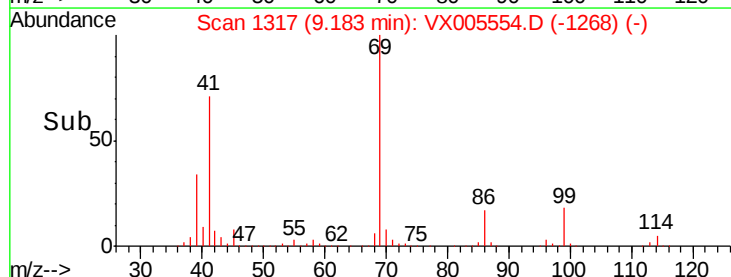
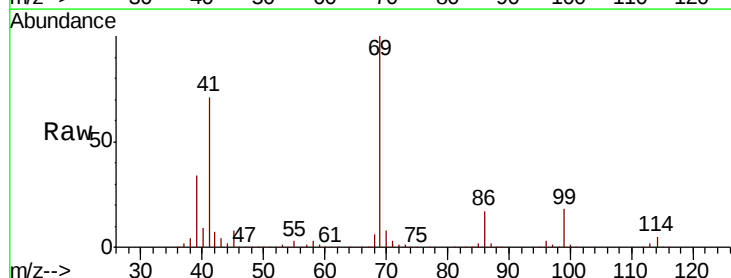
MMDadoda

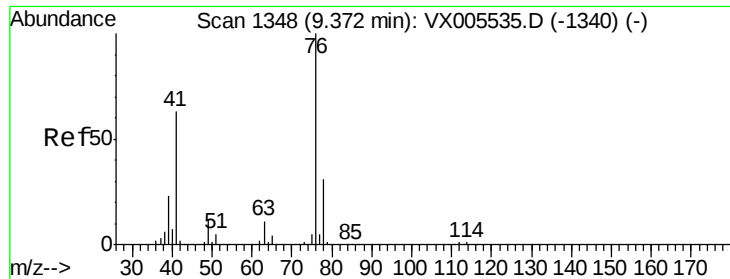
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#56
 Ethyl methacrylate
 Concen: 52.248 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

Tgt Ion:	69	Resp:	173312
Ion	Ratio	Lower	Upper
69	100		
41	71.9	51.0	76.4
39	34.9	26.1	39.1





#57
 1,3-Dichloropropane
 Concen: 49.329 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

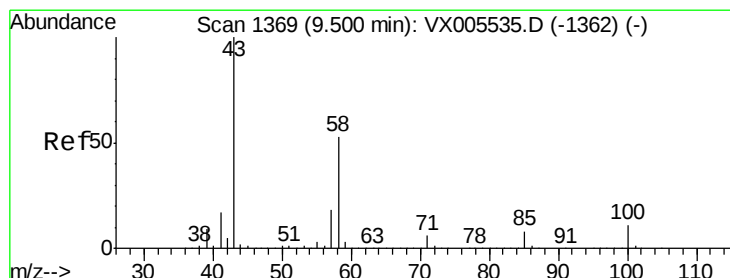
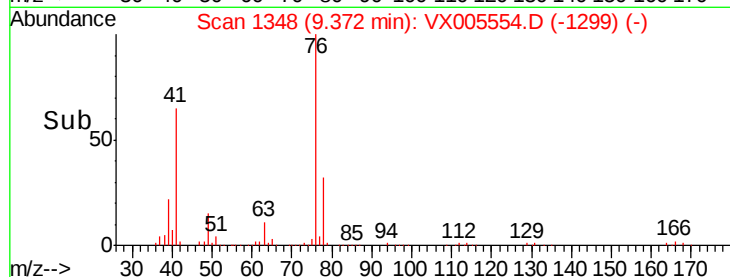
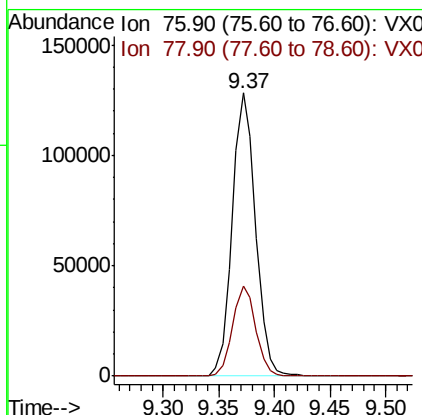
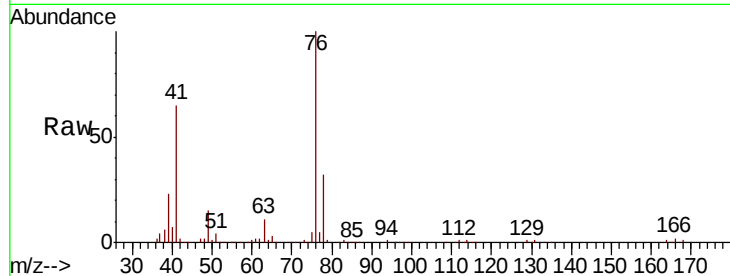
Instrument :
 MSVOA_X
 ClientSampled :
 S37-0008MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

Manual Integrations
 APPROVED

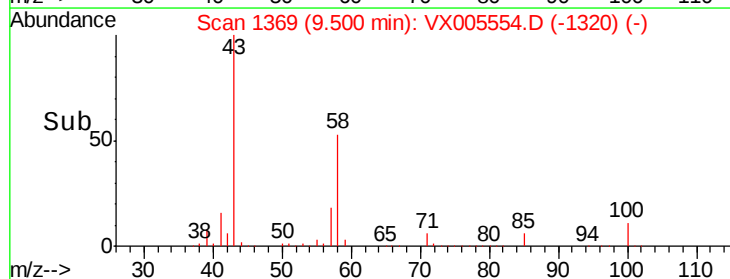
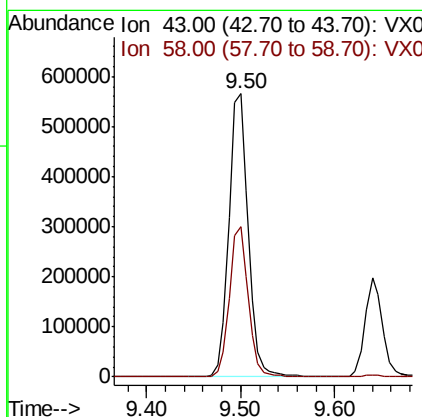
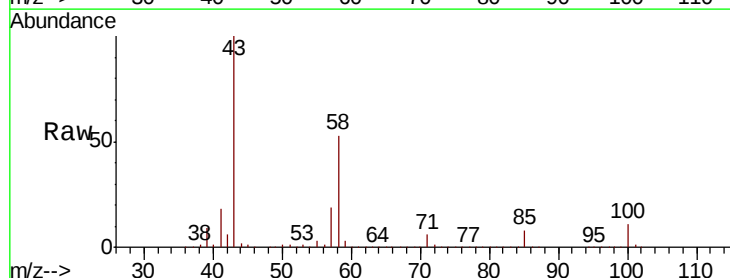
MMDadoda

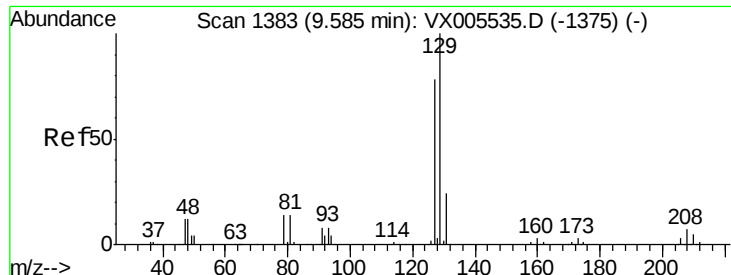
10/26/2018 11:53:40 AM



#59
 2-Hexanone
 Concen: 261.958 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.1	29.0	87.0





#60

Dibromochloromethane

Concen: 50.870 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

S37-0008MSD

Tot Ion:129 Resp: 118031

Ion Ratio Lower Upper

129 100

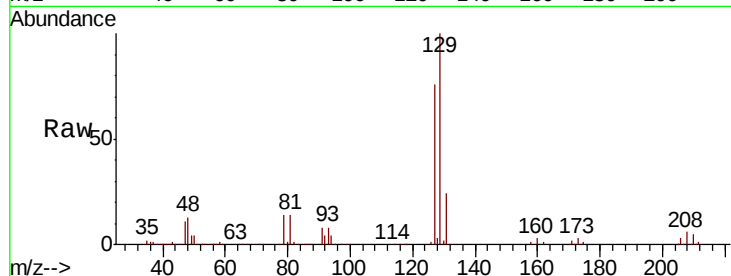
127 77.9 38.5 115.5

Manual Integrations

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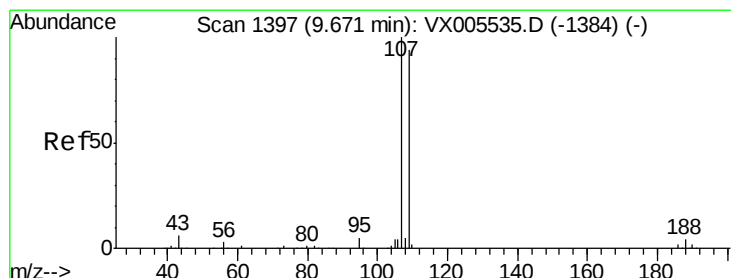
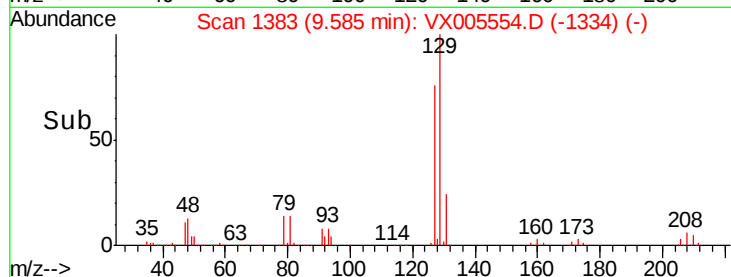
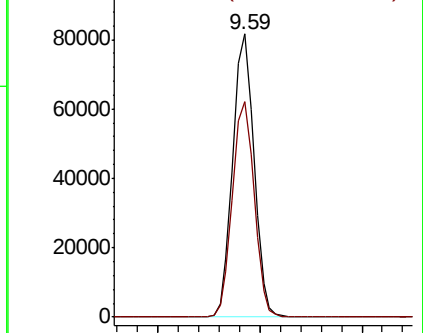
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 50.255 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005554.D

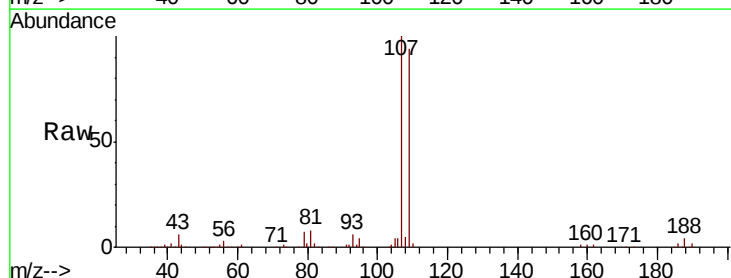
Acq: 24 Oct 2018 20:59

Tgt Ion:107 Resp: 115623

Ion Ratio Lower Upper

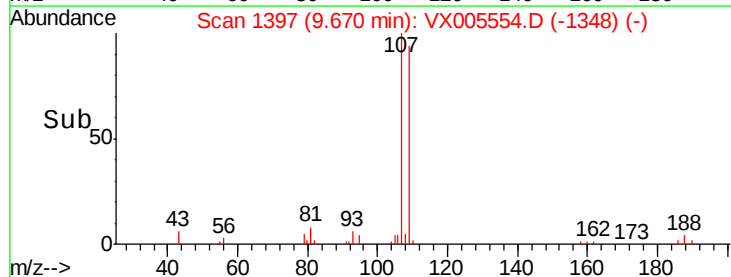
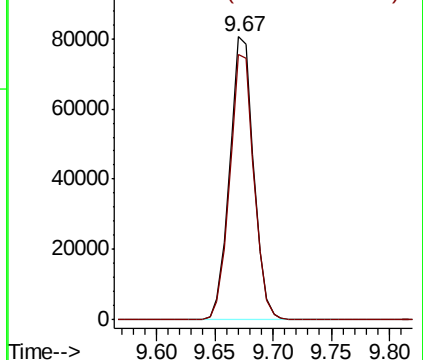
107 100

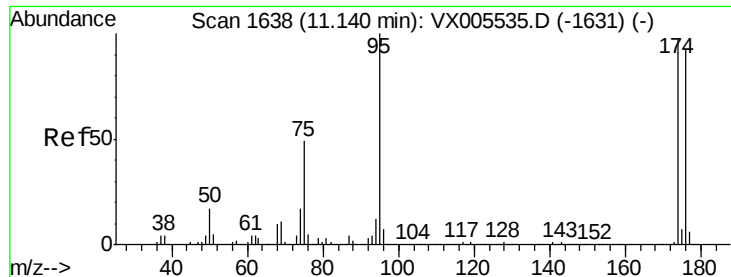
109 94.3 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62
4-Bromofluorobenzene
Concen: 50.029 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

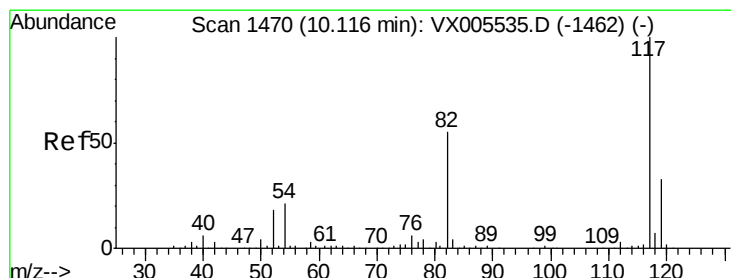
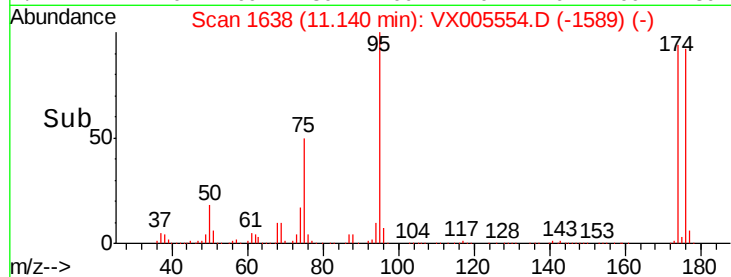
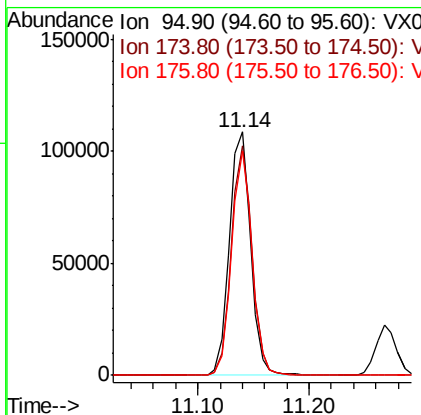
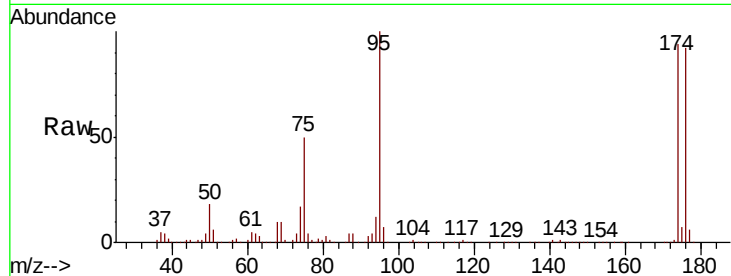
Instrument :
MSVOA_X
ClientSampleId :
S37-0008MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	143413		
174	91.8	0.0	185.2	
176	89.0	0.0	178.6	

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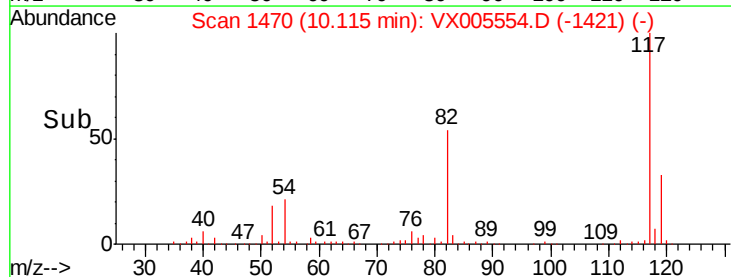
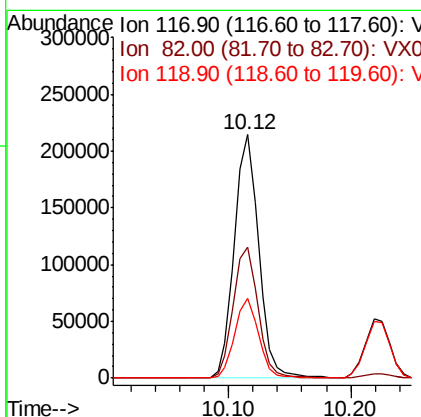
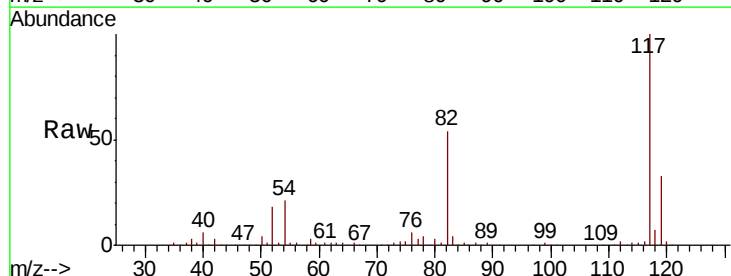
MMDadoda

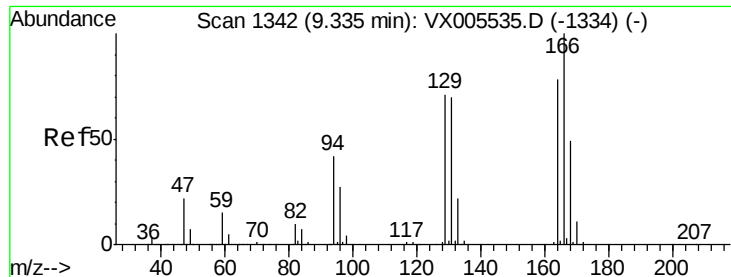
10/26/2018 11:53:40 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	295490		
82	53.9	47.8	71.6	
119	32.8	29.3	43.9	





#64

Tetrachloroethene

Concen: 45.829 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

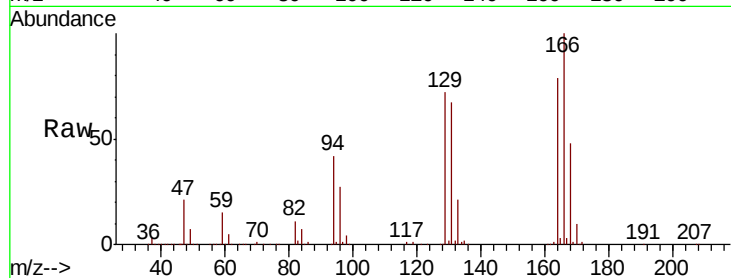
S37-0008MSD

Tot Ion:	164	Resp:	112418
Ion Ratio	Lower	Upper	
164	100		
166	126.9	102.8	154.2
129	91.2	69.4	104.0
131	85.4	67.9	101.9

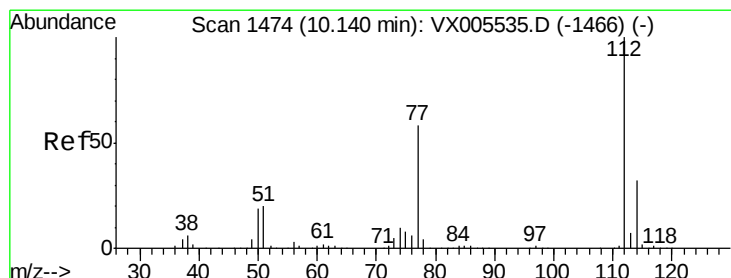
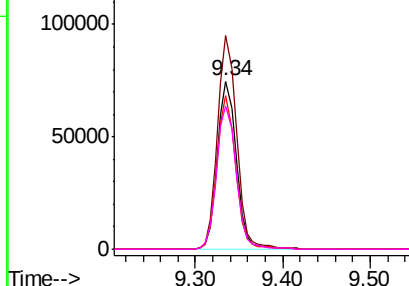
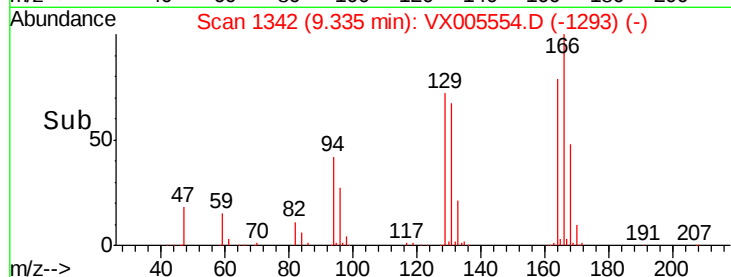
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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.372 ug/l

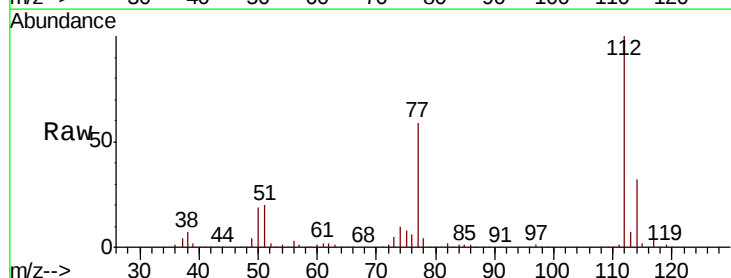
RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

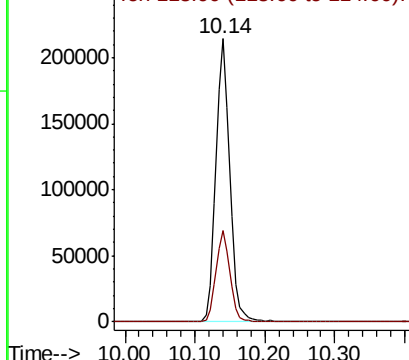
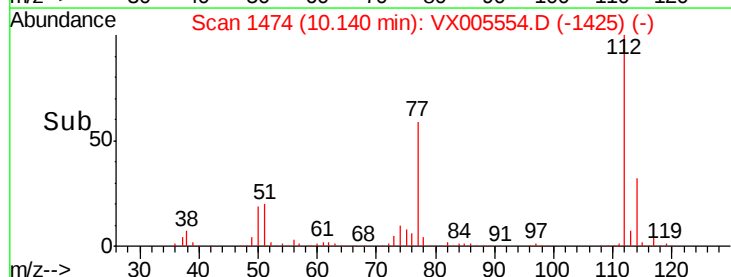
Lab File: VX005554.D

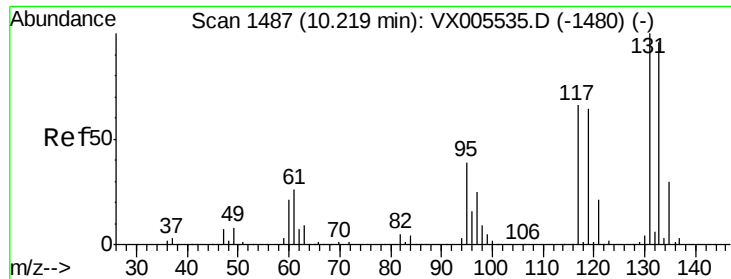
Acq: 24 Oct 2018 20:59

Tgt Ion:	112	Resp:	298079
Ion Ratio	Lower	Upper	
112	100		
114	32.1	27.8	41.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 48.201 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampled :

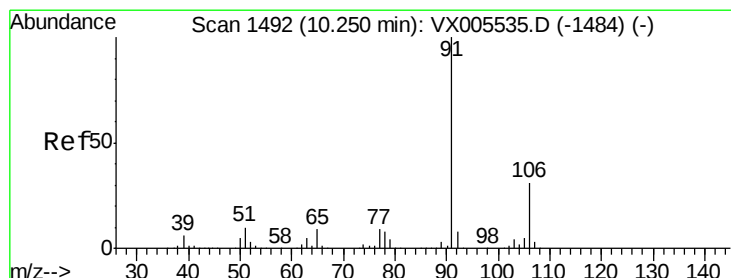
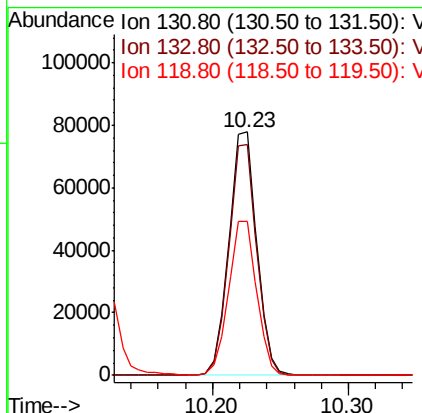
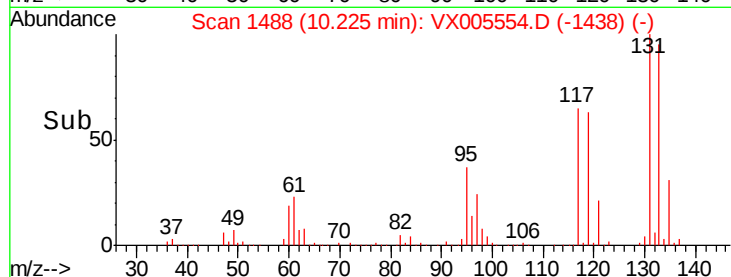
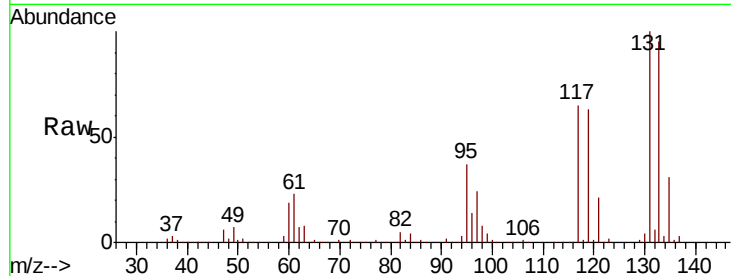
S37-0008MSD

Tot Ion:	131	Resp:	110591
Ion Ratio	Lower	Upper	
131	100		
133	95.2	48.1	144.4
119	63.9	32.9	98.6

Manual Integrations
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#67

Ethyl Benzene

Concen: 49.842 ug/l

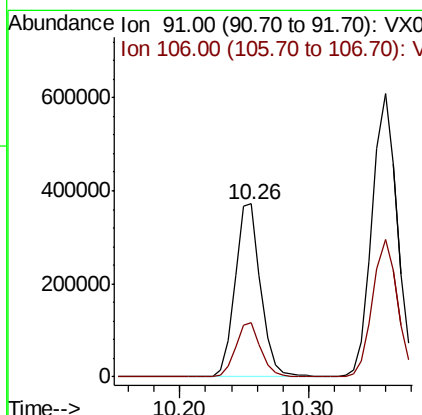
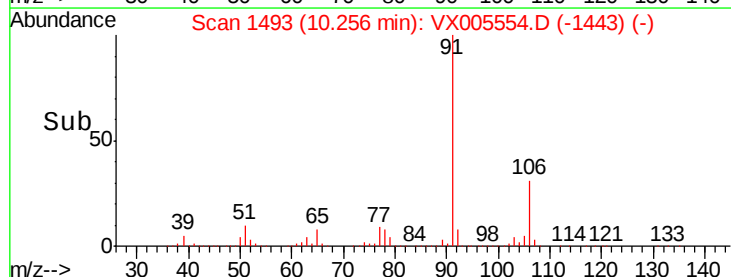
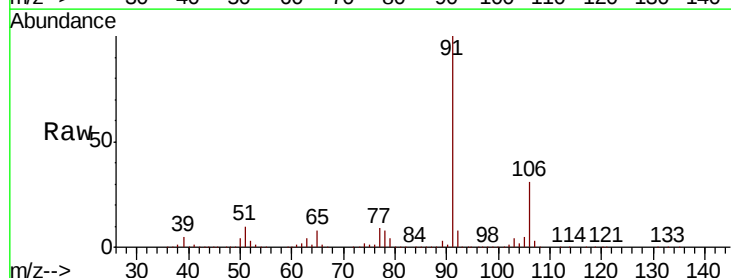
RT: 10.26 min Scan# 1493

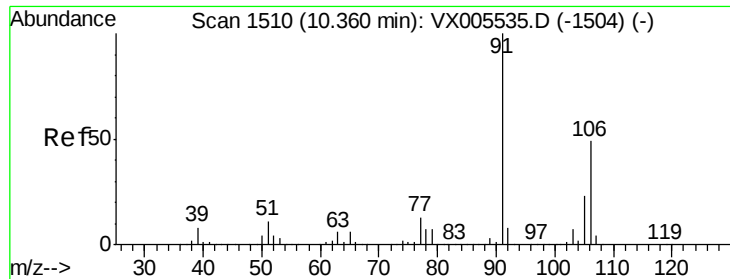
Delta R.T. 0.01 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Tgt Ion:	91	Resp:	515996
Ion Ratio	Lower	Upper	
91	100		
106	31.1	25.9	38.9





#68
m/p-Xvlenes
Concen: 99.716 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

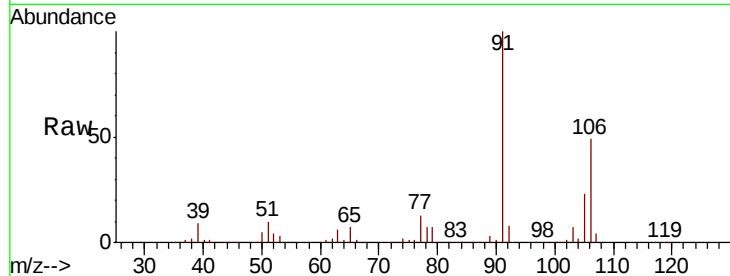
Instrument :
MSVOA_X
ClientSampleId :
S37-0008MSD

Tot Ion:106 Resp: 400509
Ion Ratio Lower Upper
106 100
91 205.7 157.1 235.7

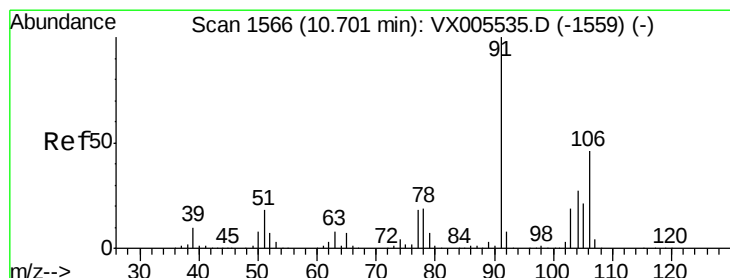
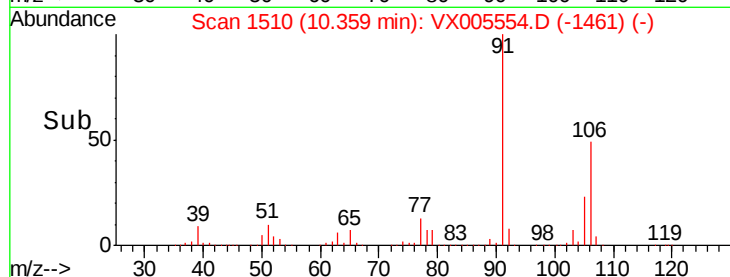
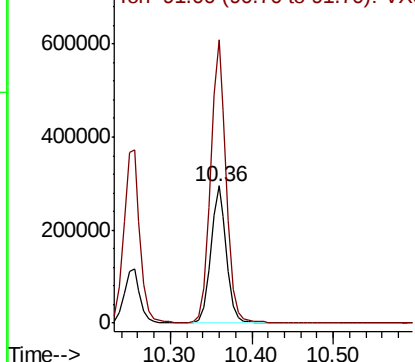
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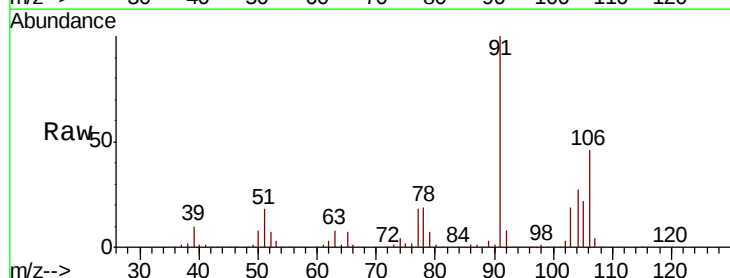


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

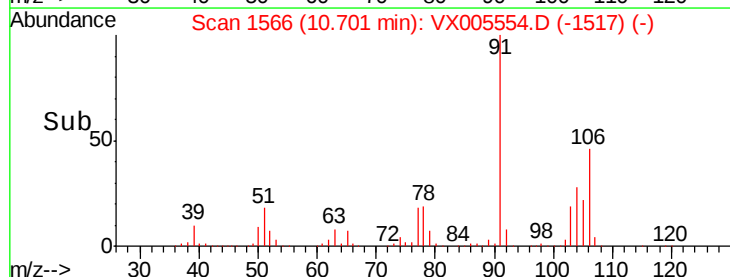
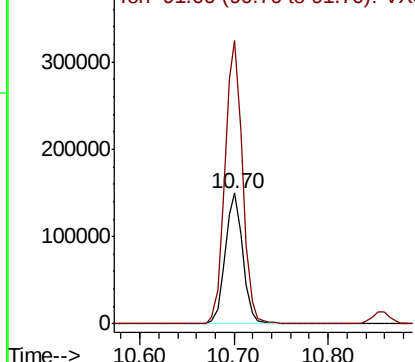


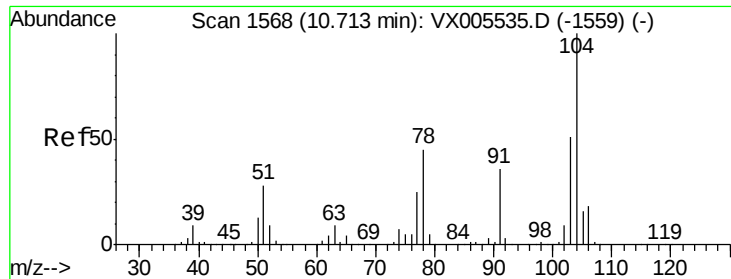
#69
o-Xylene
Concen: 50.708 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion:106 Resp: 191614
Ion Ratio Lower Upper
106 100
91 217.7 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 51.287 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

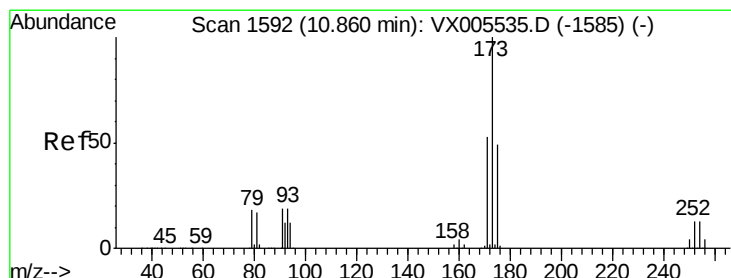
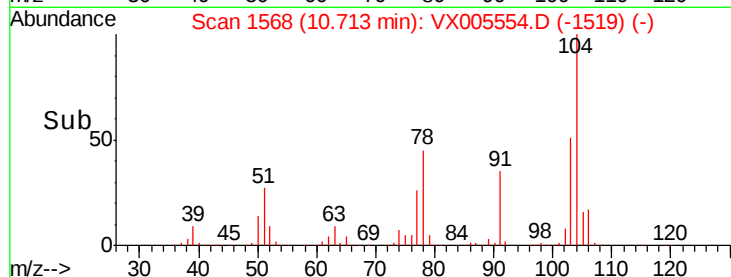
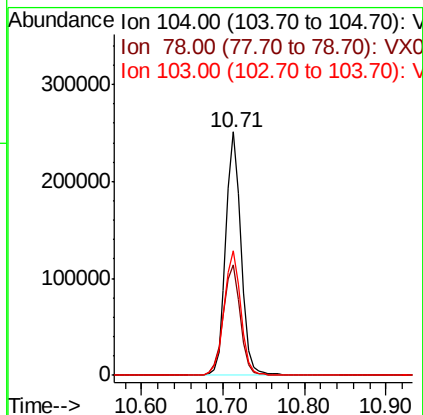
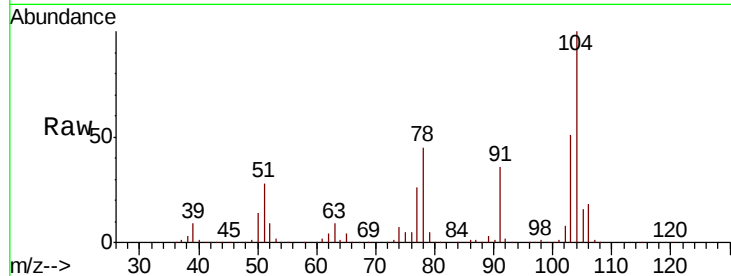
S37-0008MSD

Tot Ion:	104	Resp:	324435
Ion Ratio	Lower	Upper	
104	100		
78	50.9	37.4	56.0
103	56.4	43.8	65.6

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#71

Bromoform

Concen: 48.544 ug/l

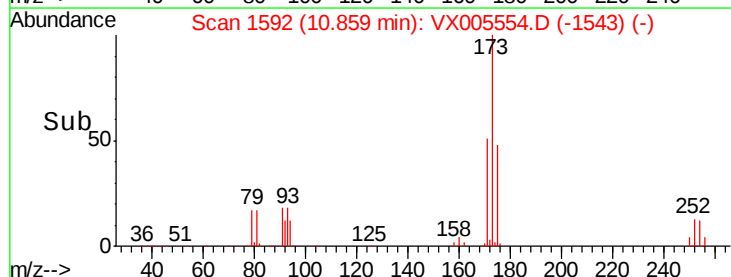
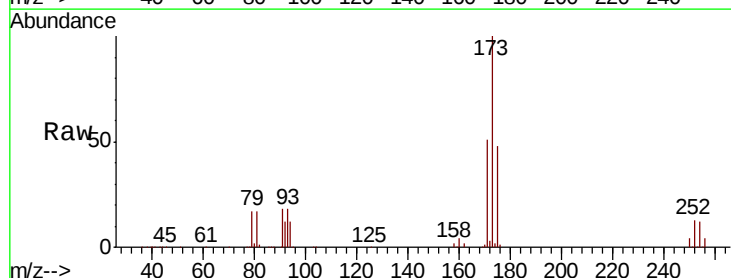
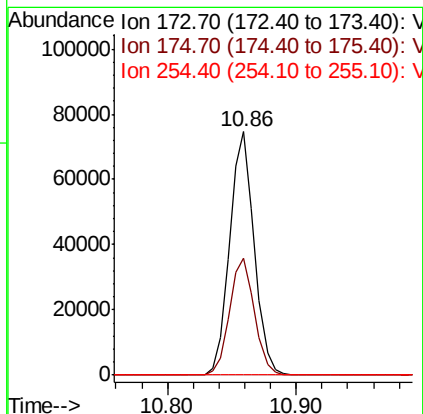
RT: 10.86 min Scan# 1592

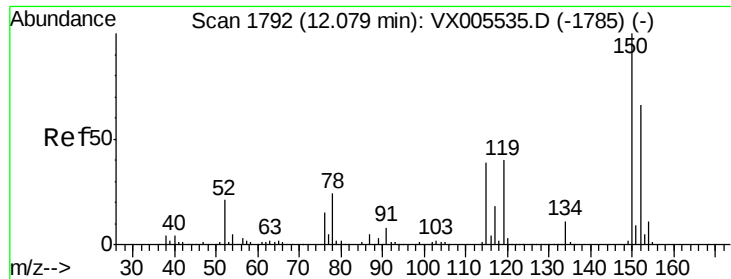
Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Tgt Ion:	173	Resp:	99386
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.1	72.3
254	0.2	0.2	0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

S37-0008MSD

Tot Ion:152 Resp: 166805

Ion Ratio Lower Upper

152 100

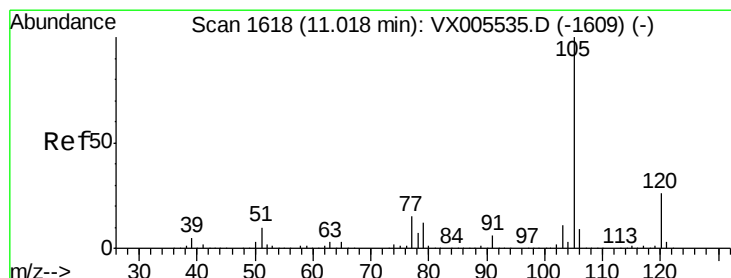
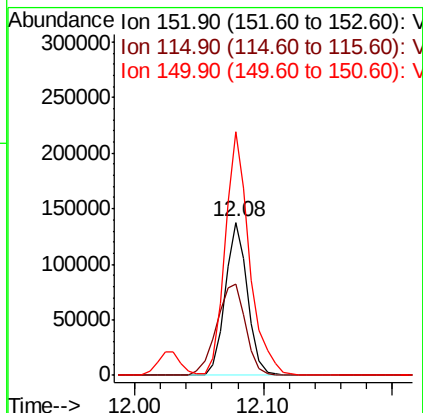
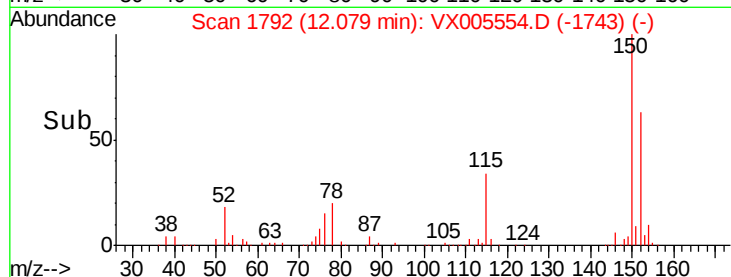
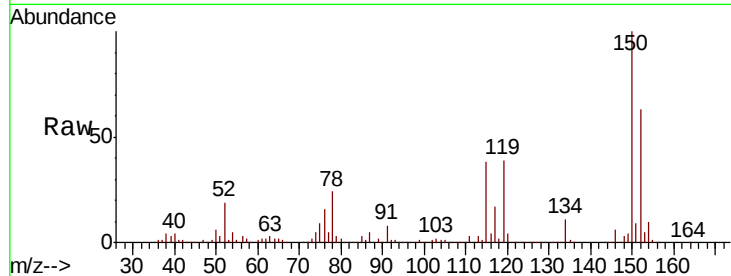
115 78.0 39.0 117.0

150 173.3 0.0 351.0

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#73

Isopropylbenzene

Concen: 51.516 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005554.D

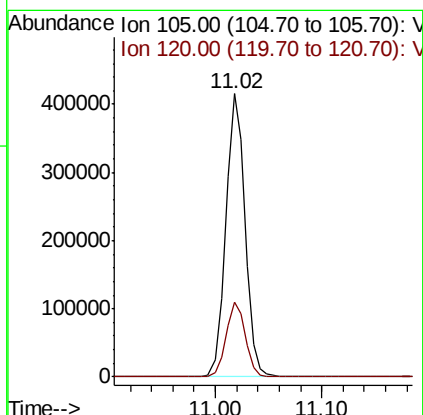
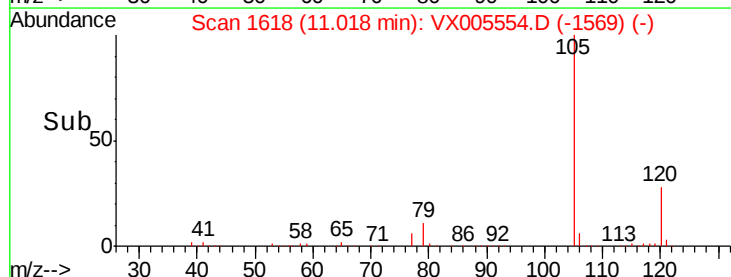
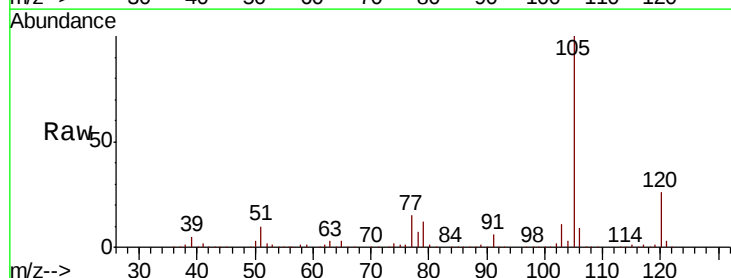
Acq: 24 Oct 2018 20:59

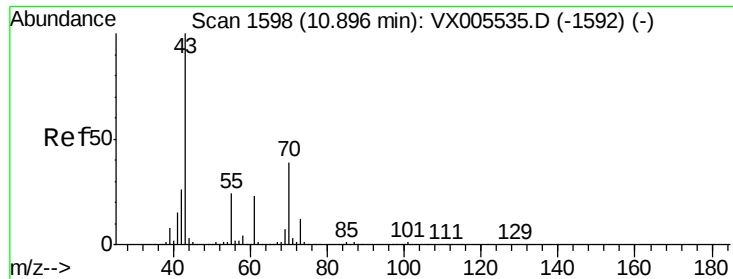
Tgt Ion:105 Resp: 525288

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.4





#74

N-amvl acetate

Concen: 50.124 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

S37-0008MSD

Tot Ion: 43 Resp: 253248

Ion Ratio Lower Upper

43 100

70 39.2 37.4 56.0

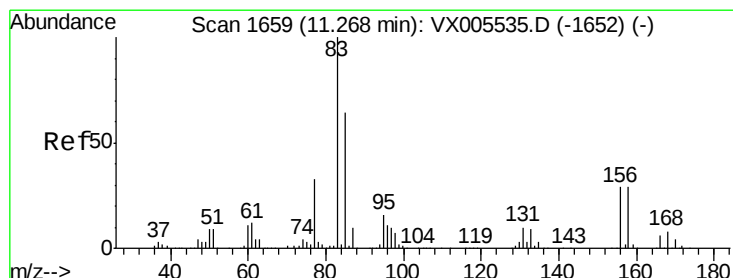
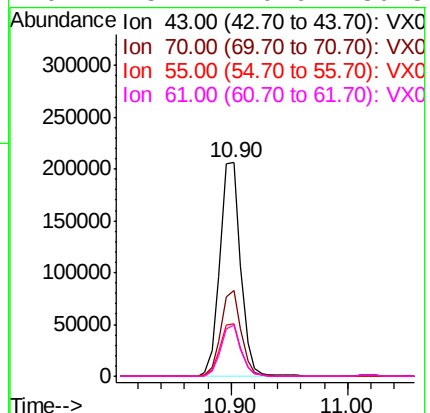
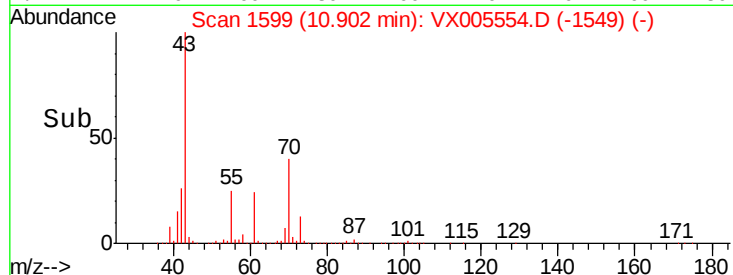
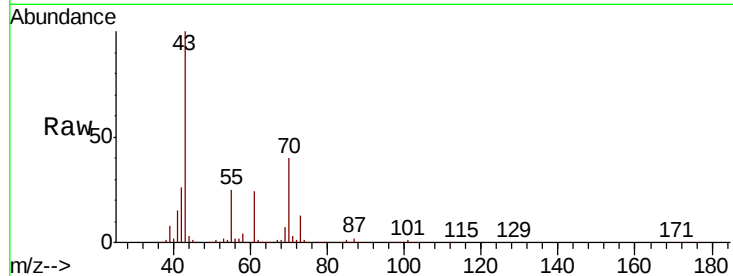
55 25.0 21.8 32.8

61 23.2 20.6 30.8

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.590 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

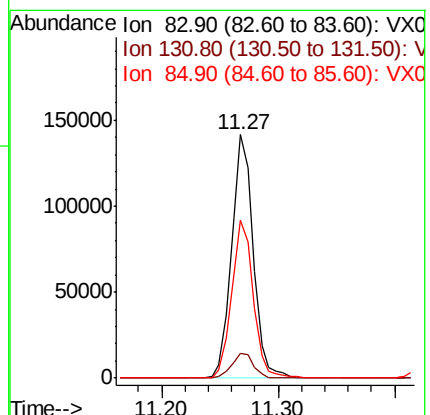
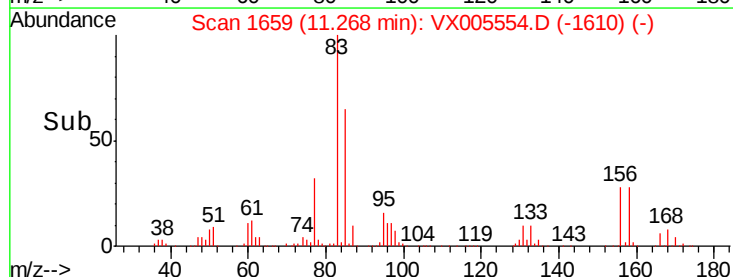
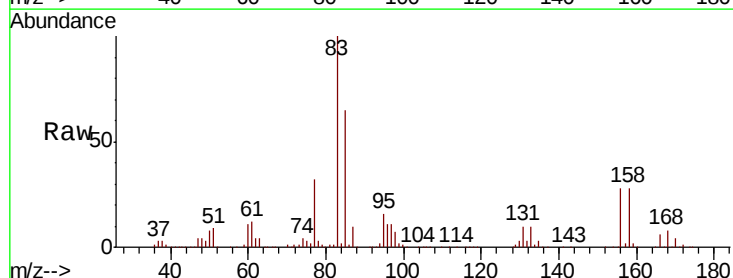
Tgt Ion: 83 Resp: 182786

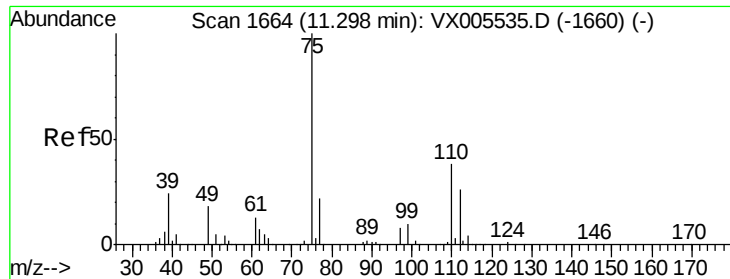
Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

85 65.0 32.3 96.8





#76
 1,2,3-Trichloropropane
 Concen: 50.493 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

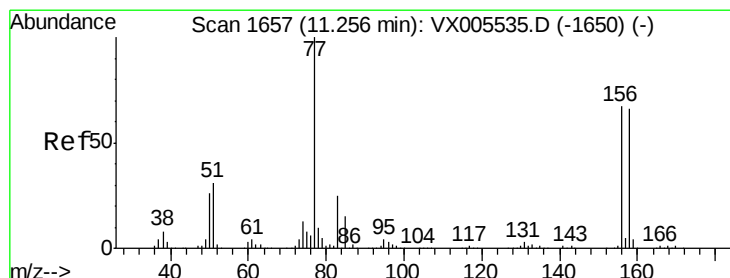
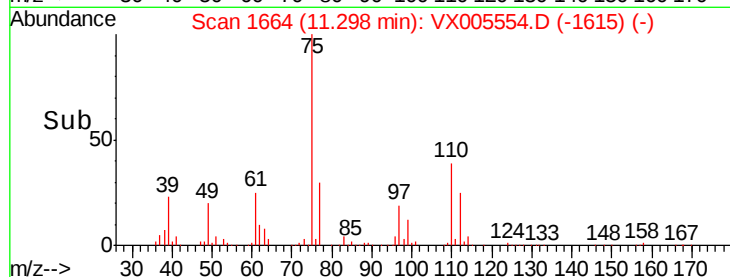
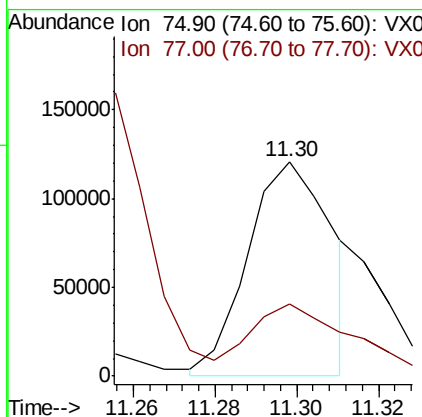
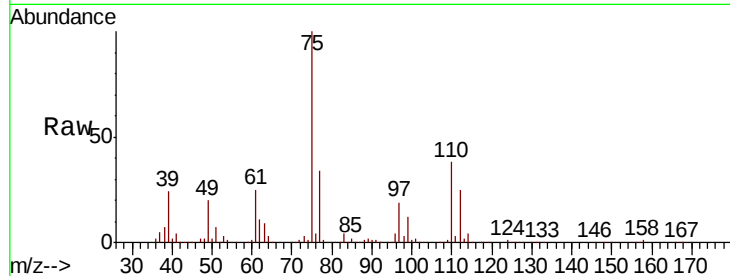
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0008MSD

Tot Ion: 75 Resp: 171554
 Ion Ratio Lower Upper
 75 100
 77 40.7 20.2 60.6

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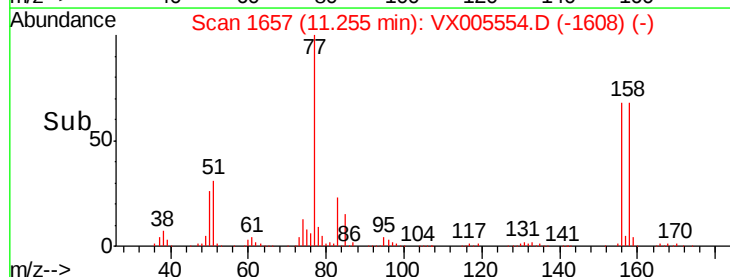
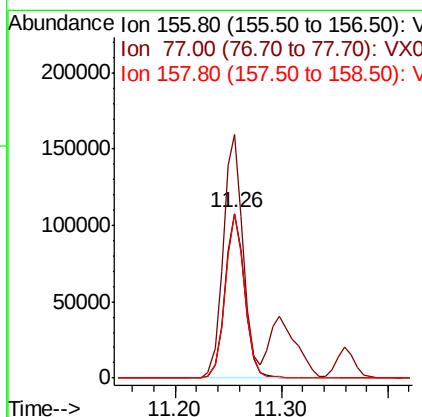
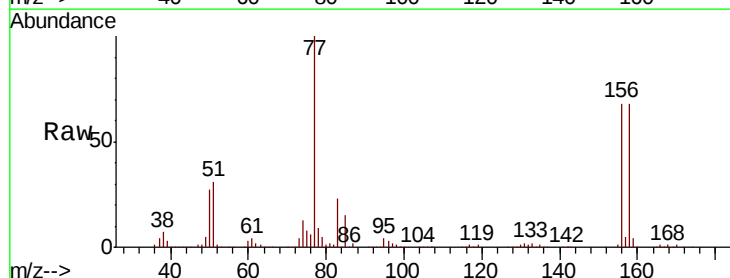
MMDadoda

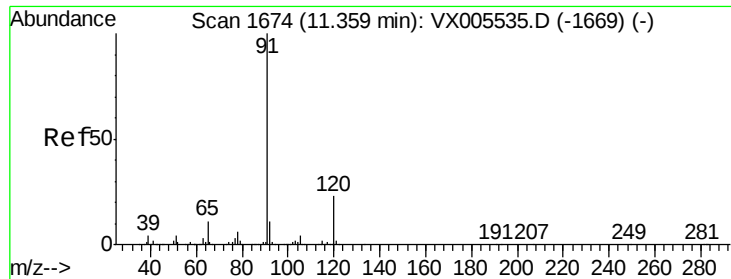
10/26/2018 11:53:40 AM



#77
 Bromobenzene
 Concen: 48.928 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

Tgt Ion: 156 Resp: 139038
 Ion Ratio Lower Upper
 156 100
 77 149.1 71.5 214.3
 158 98.6 48.9 146.8





#78

n-propylbenzene

Concen: 52.047 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

S37-0008MSD

Tot Ion: 91 Resp: 606827

Ion Ratio Lower Upper

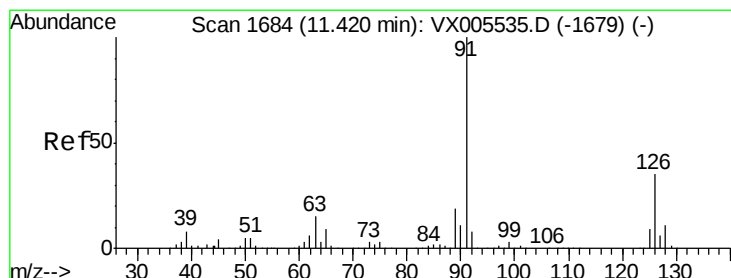
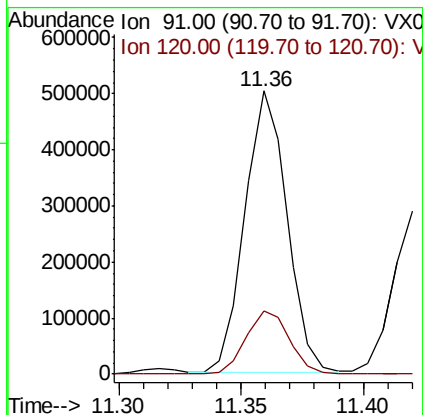
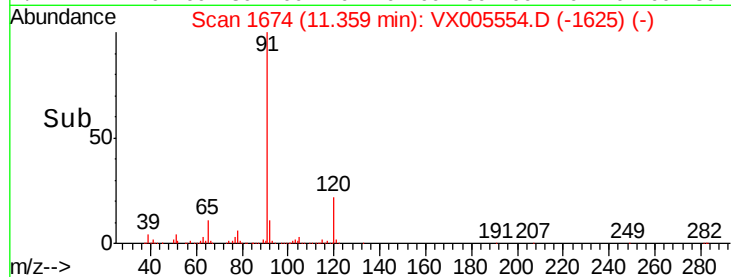
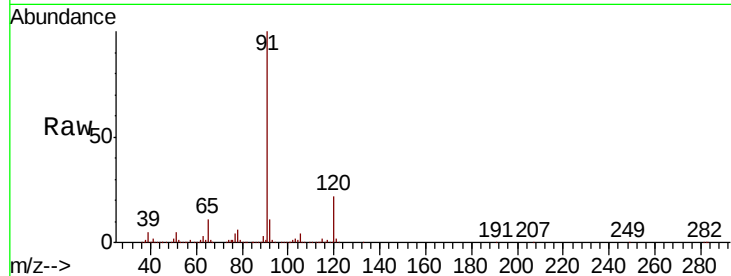
91 100

120 23.4 11.9 35.9

Manual Integrations
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MMDadoda

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#79

2-Chlorotoluene

Concen: 50.025 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005554.D

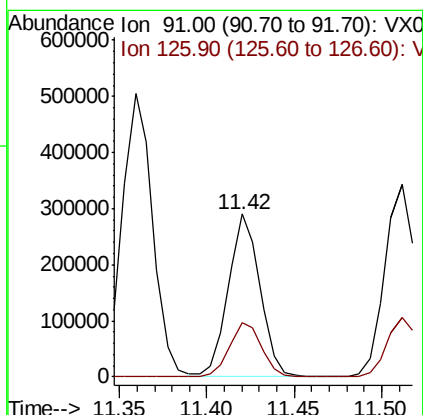
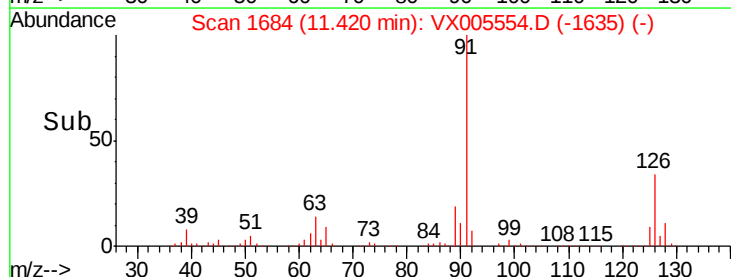
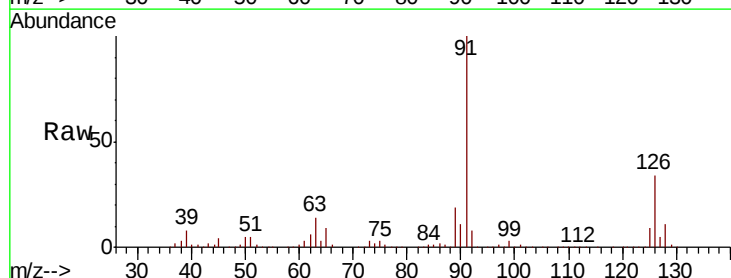
Acq: 24 Oct 2018 20:59

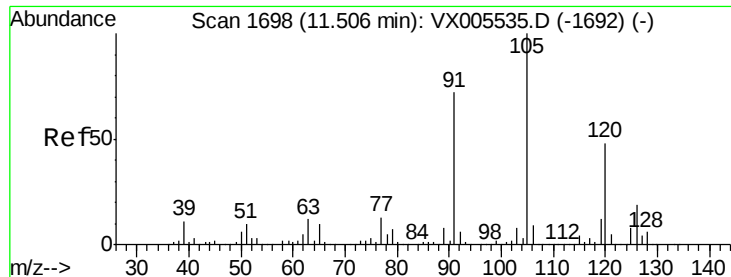
Tgt Ion: 91 Resp: 361638

Ion Ratio Lower Upper

91 100

126 34.5 17.9 53.7





#80
1,3,5-Trimethylbenzene
Concen: 51.776 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

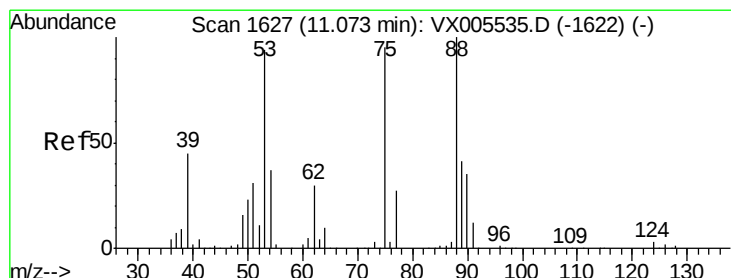
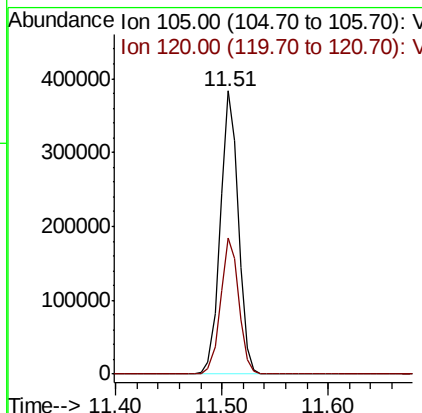
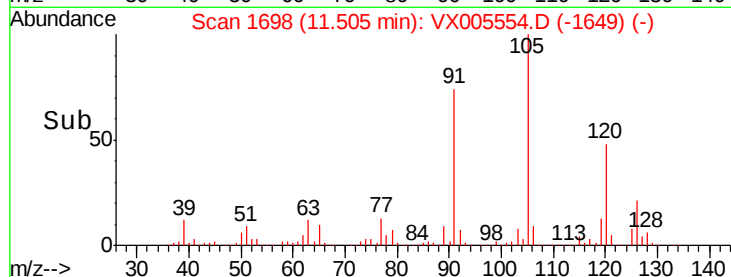
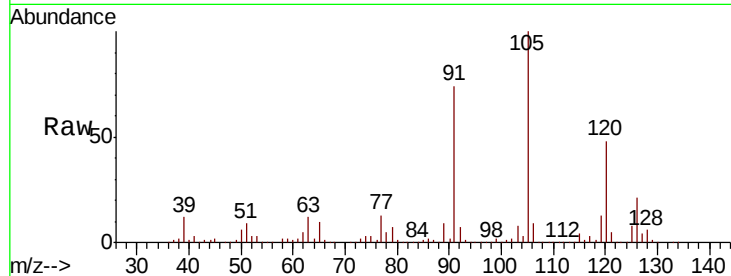
Instrument :
MSVOA_X
ClientSampled :
S37-0008MSD

Tot Ion:105 Resp: 451618
Ion Ratio Lower Upper
105 100
120 48.4 25.6 76.8

Manual Integrations
APPROVED

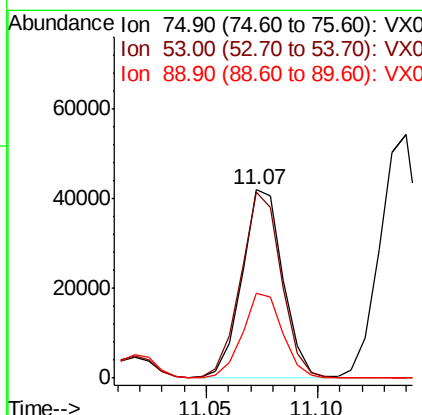
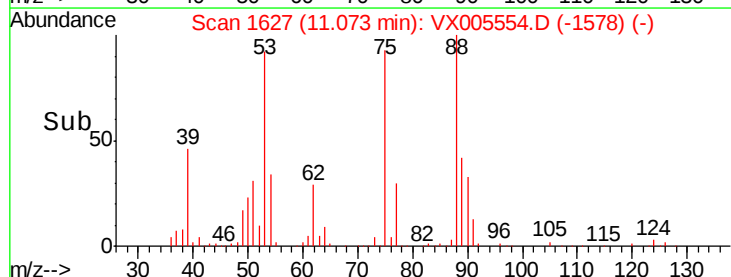
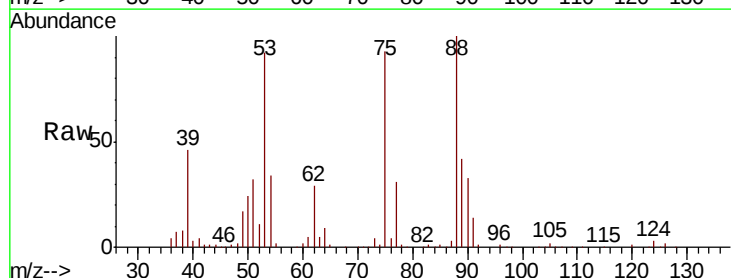
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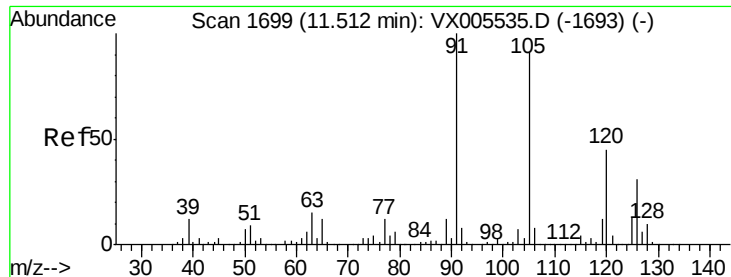
10/26/2018 11:53:40 AM



#81
trans-1,4-Dichloro-2-butene
Concen: 49.411 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion: 75 Resp: 53444
Ion Ratio Lower Upper
75 100
53 98.8 80.1 120.1
89 45.0 37.2 55.8





#82
4-Chlorotoluene
Concen: 50.371 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

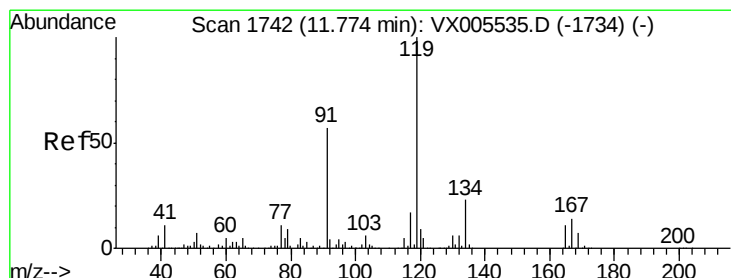
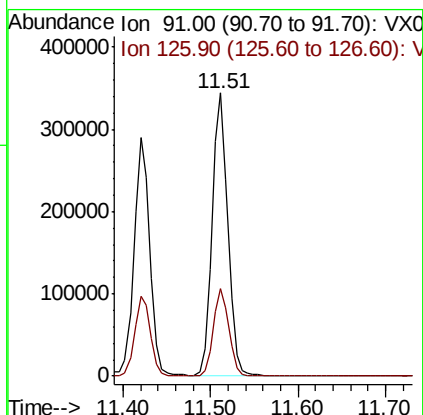
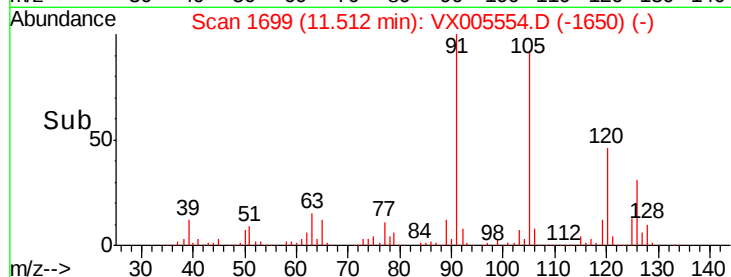
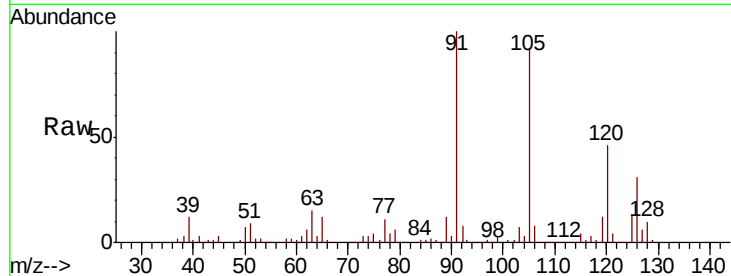
Instrument :
MSVOA_X
ClientSampleId :
S37-0008MSD

Tot Ion: 91 Resp: 429380
Ion Ratio Lower Upper
91 100
126 30.7 15.5 46.5

Manual Integrations
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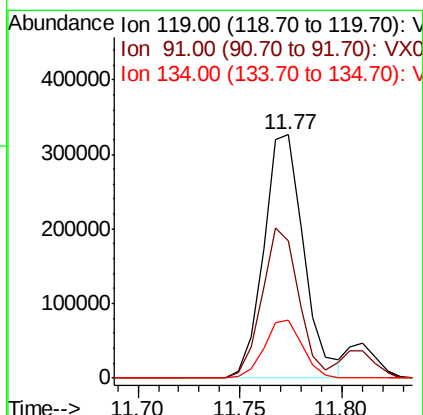
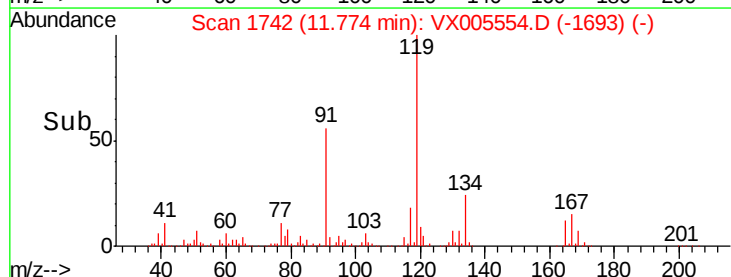
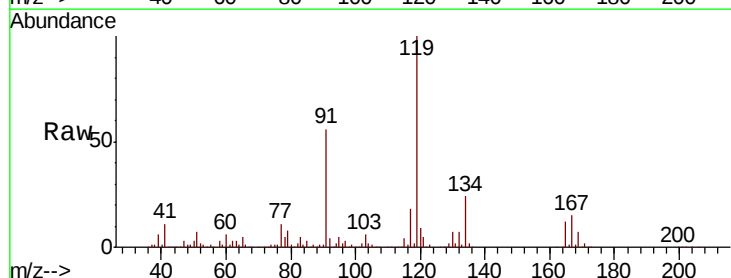
MMDadoda

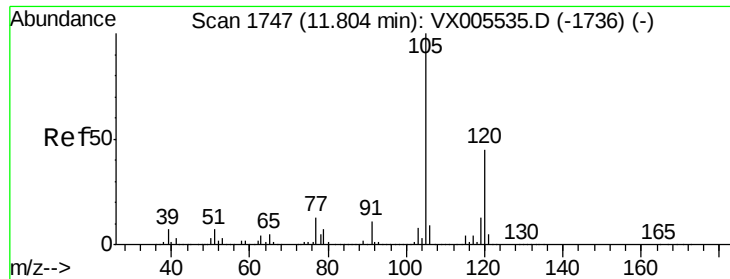
10/26/2018 11:53:40 AM



#83
tert-Butylbenzene
Concen: 51.531 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion: 119 Resp: 448047
Ion Ratio Lower Upper
119 100
91 56.6 27.0 81.0
134 22.7 11.7 35.1





#84
 1,2,4-Trimethylbenzene
 Concen: 52.753 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

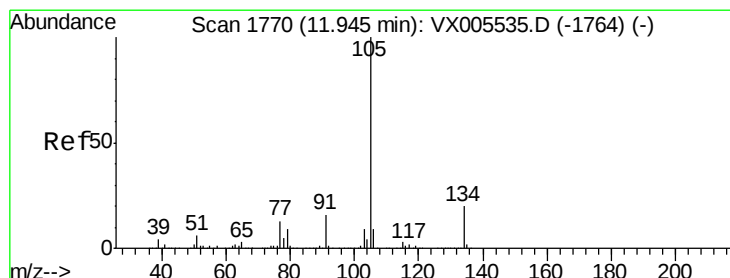
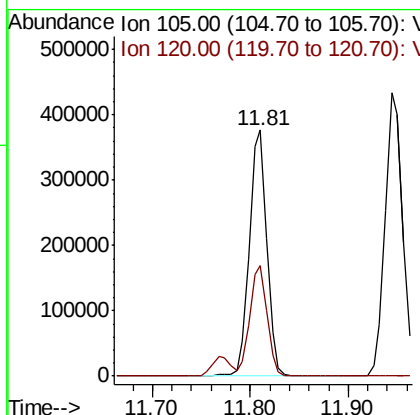
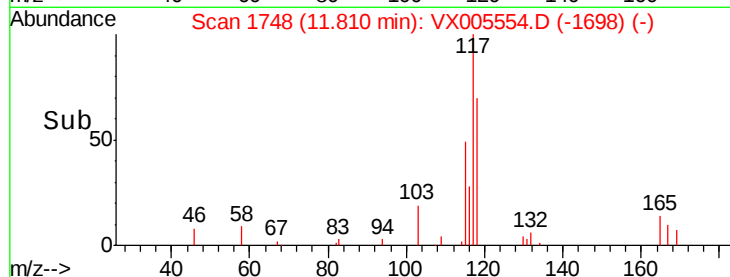
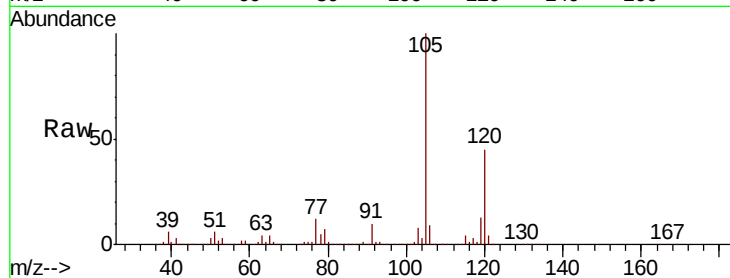
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0008MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.2	69.6

Manual Integrations
 APPROVED

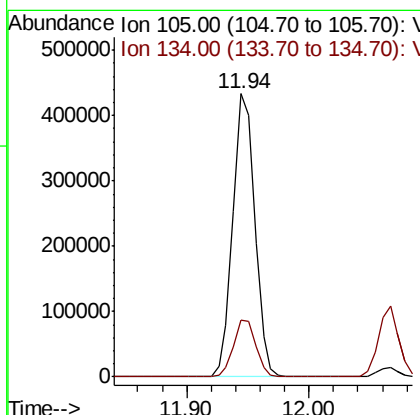
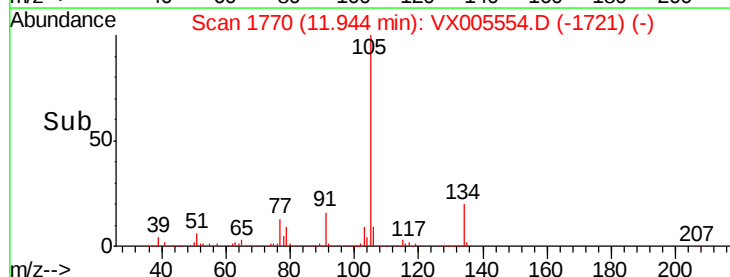
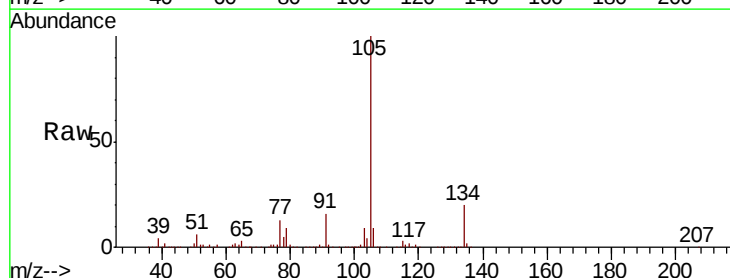
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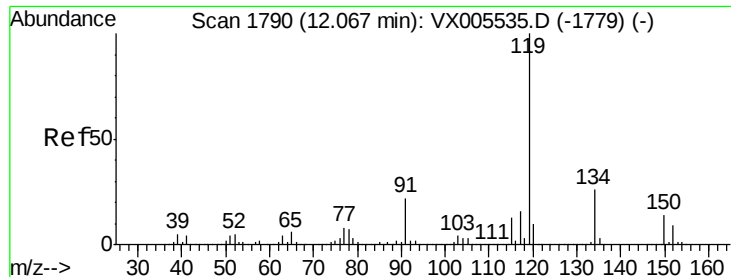
10/26/2018 11:53:40 AM



#85
 sec-Butylbenzene
 Concen: 51.806 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.5	31.5





#86
p-Isopropyltoluene
Concen: 51.707 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

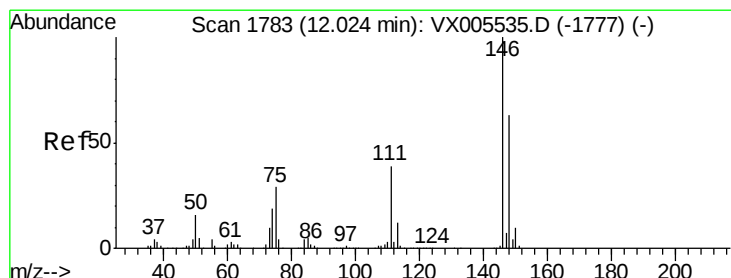
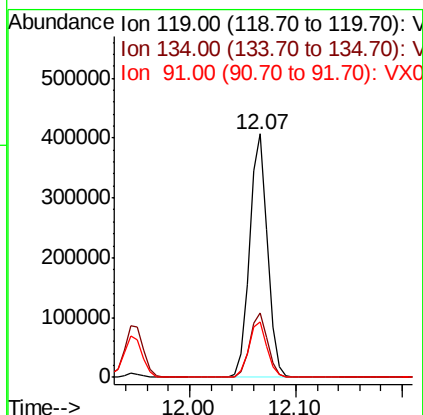
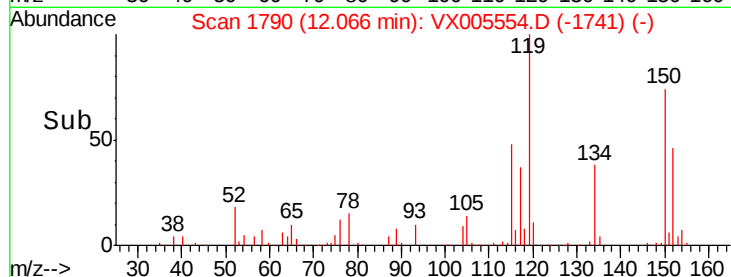
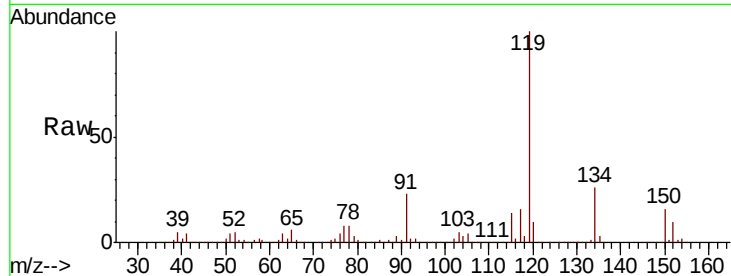
Instrument :
MSVOA_X
ClientSampled :
S37-0008MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.4	40.2
91	23.3	10.9	32.7

Manual Integrations
APPROVED

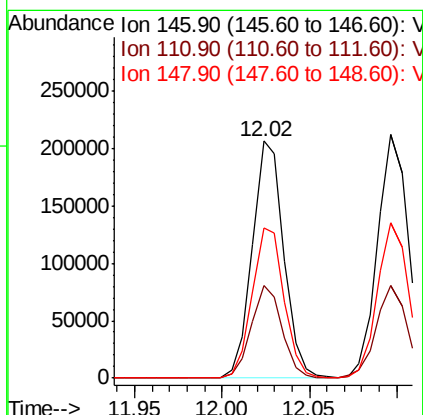
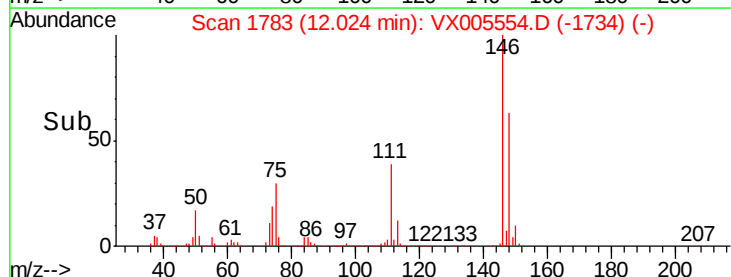
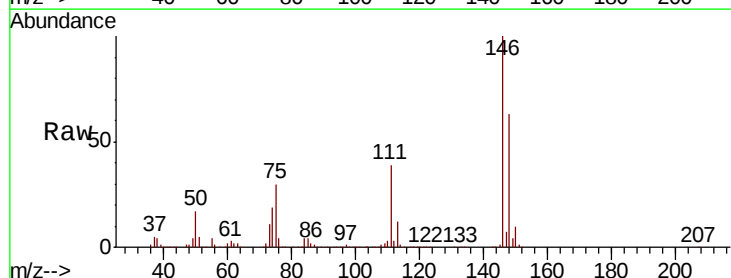
MMDadoda

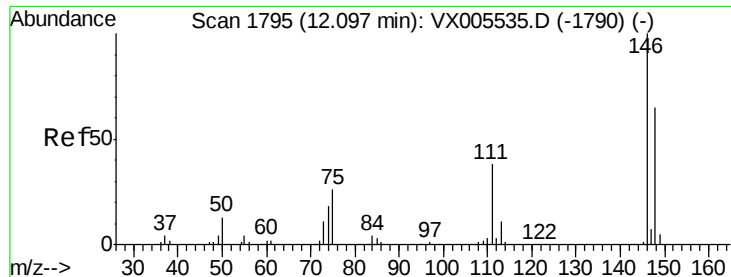
10/26/2018 11:53:40 AM



#87
1,3-Dichlorobenzene
Concen: 48.391 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	64.5	32.1	96.5





#88
 1,4-Dichlorobenzene
 Concen: 47.167 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

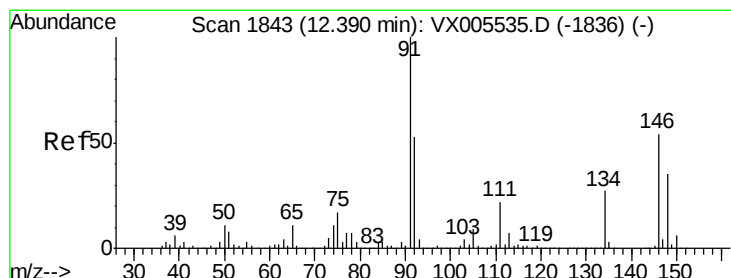
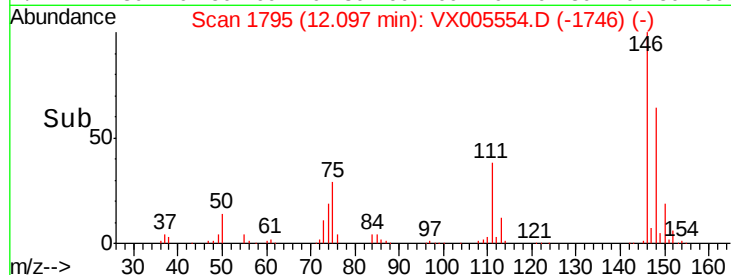
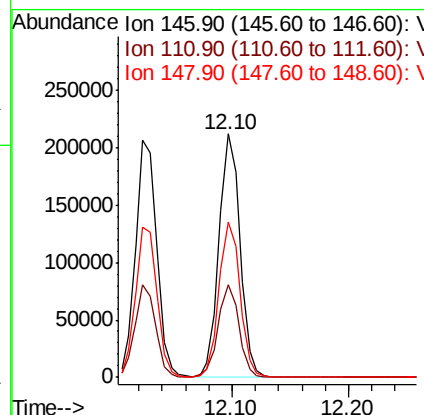
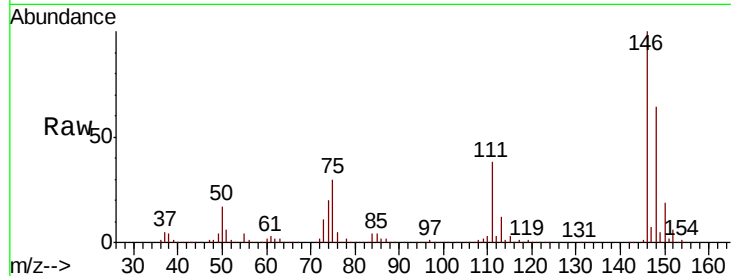
Instrument :
 MSVOA_X
 ClientSampled :
 S37-0008MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.1
148	63.9	32.0	96.0

Manual Integrations
 APPROVED

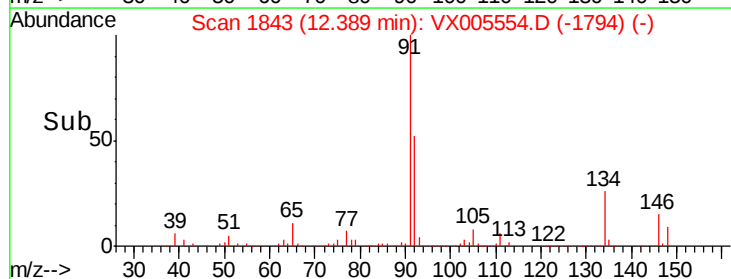
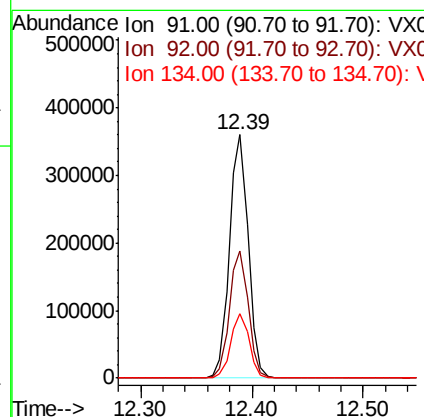
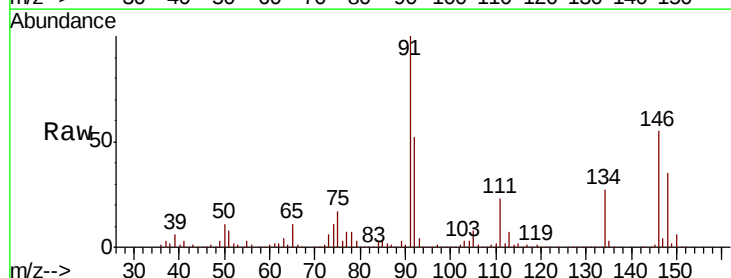
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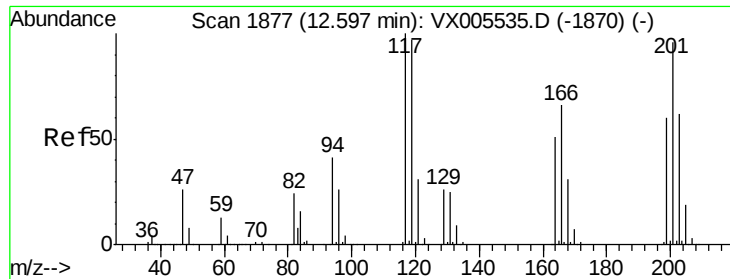
10/26/2018 11:53:40 AM



#89
 n-Butylbenzene
 Concen: 50.163 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.3	81.9
134	26.2	13.6	40.7





#90
Hexachloroethane
Concen: 50.584 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

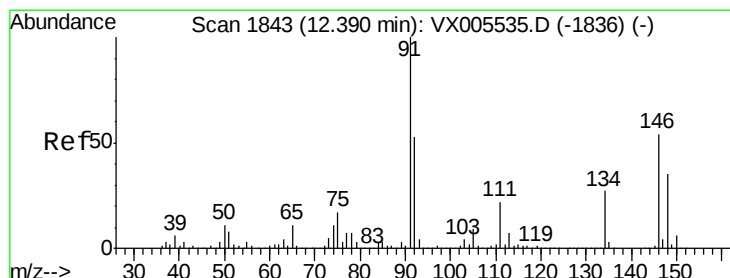
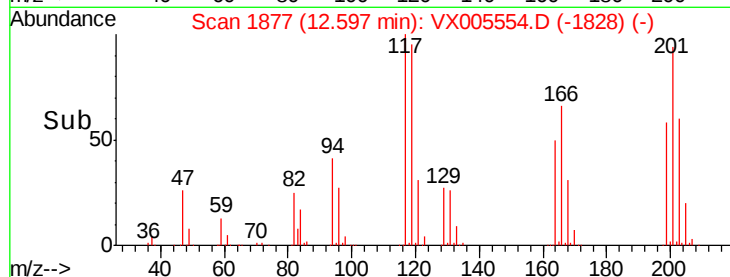
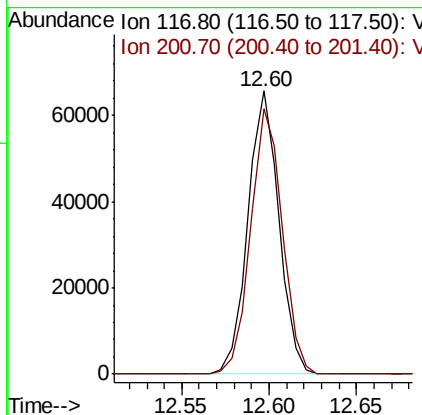
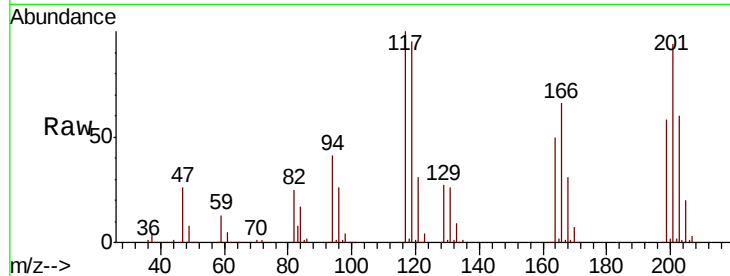
Instrument :
MSVOA_X
ClientSampleId :
S37-0008MSD

Tot Ion:117 Resp: 80915
Ion Ratio Lower Upper
117 100
201 95.4 46.9 140.6

Manual Integrations
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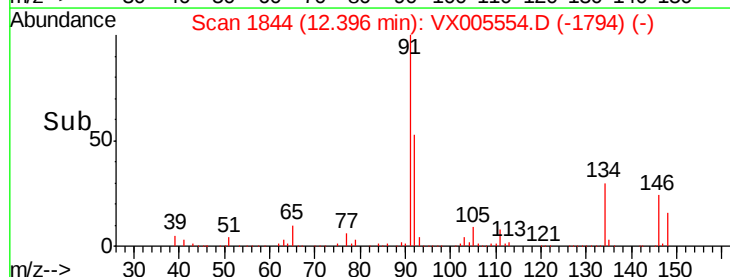
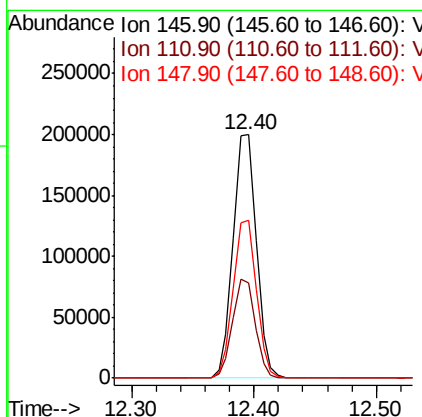
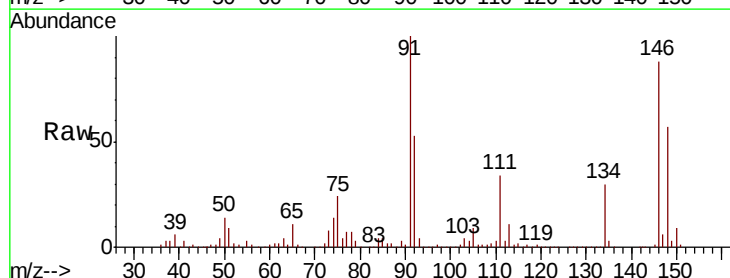
MMDadoda

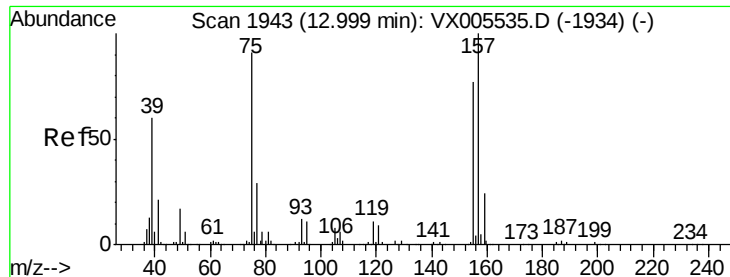
10/26/2018 11:53:40 AM



#91
1,2-Dichlorobenzene
Concen: 48.612 ug/l
RT: 12.40 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VX005554.D
Acq: 24 Oct 2018 20:59

Tgt Ion:146 Resp: 262814
Ion Ratio Lower Upper
146 100
111 39.6 19.4 58.1
148 64.4 32.8 98.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.186 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

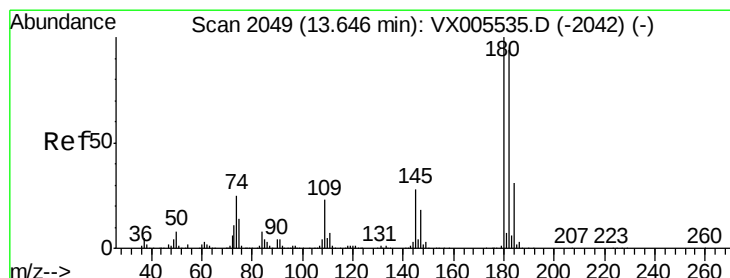
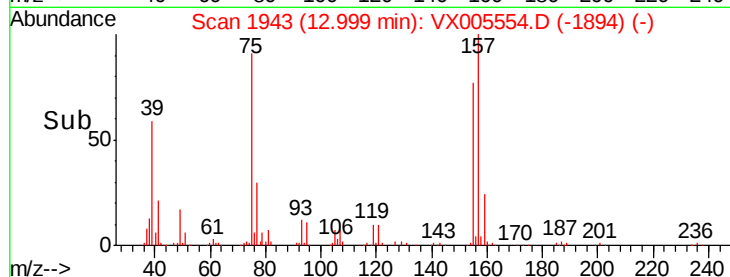
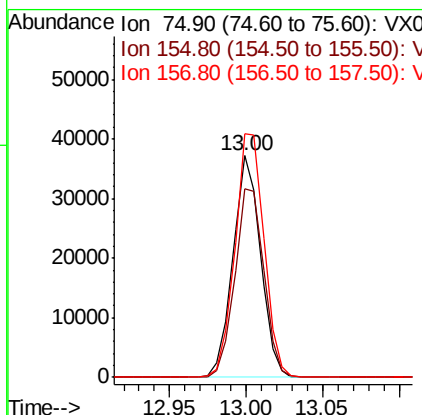
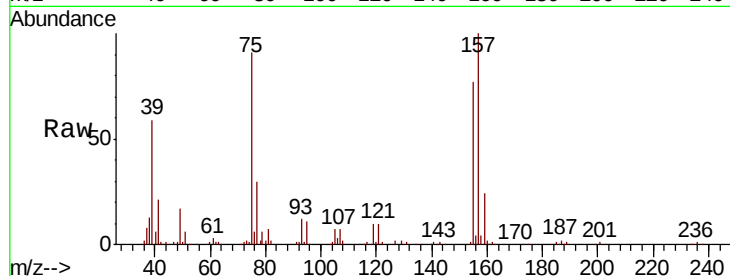
S37-0008MSD

Tot Ion:	75	Resp:	46557
Ion Ratio	Lower	Upper	
75	100		
155	89.2	48.0	144.2
157	115.5	61.4	184.1

Manual Integrations
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MMDadoda

10/26/2018 11:53:40 AM



#93

1,2,4-Trichlorobenzene

Concen: 49.435 ug/l

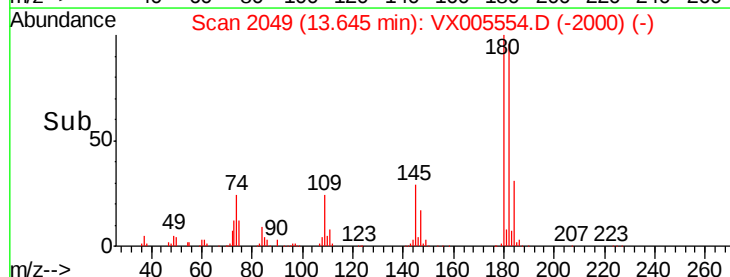
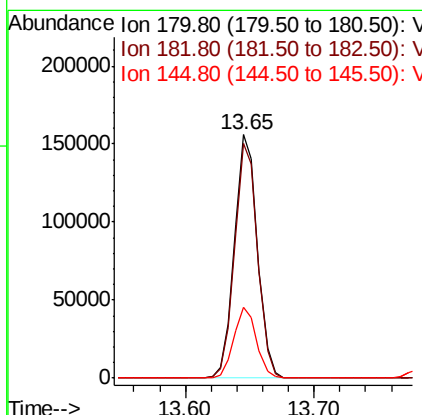
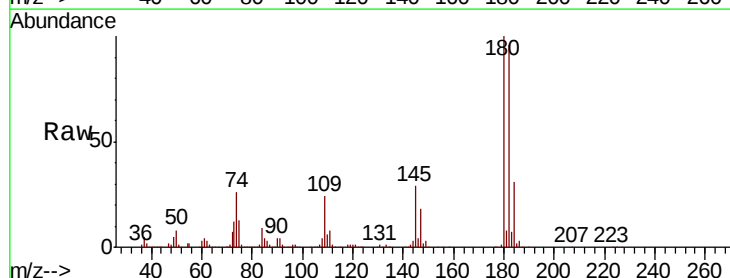
RT: 13.65 min Scan# 2049

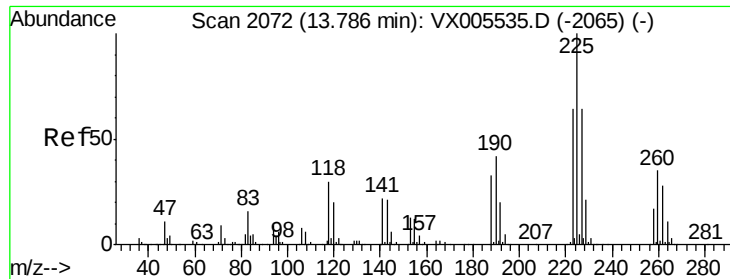
Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Tgt Ion:	180	Resp:	193739
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.4	145.0
145	28.6	14.3	42.9





#94

Hexachlorobutadiene

Concen: 46.117 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Instrument :

MSVOA_X

ClientSampleId :

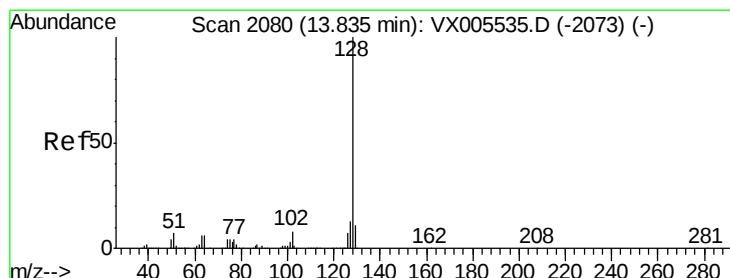
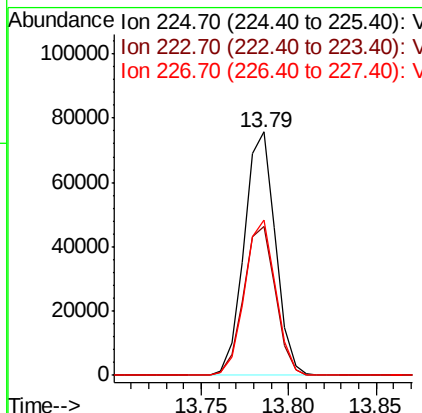
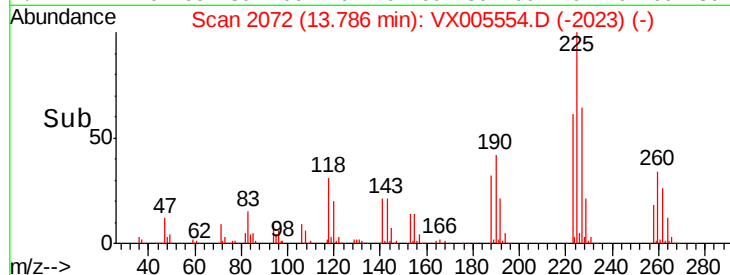
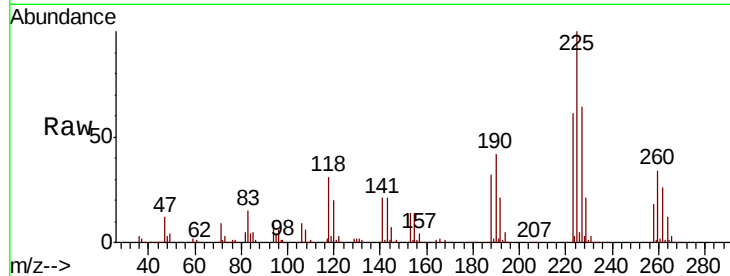
S37-0008MSD

Tot Ion:	225	Resp:	93662
Ion Ratio	Lower	Upper	
225	100		
223	62.3	30.1	90.5
227	63.3	30.8	92.4

Manual Integrations
APPROVED

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10/26/2018 11:53:40 AM



#95

Naphthalene

Concen: 54.275 ug/l

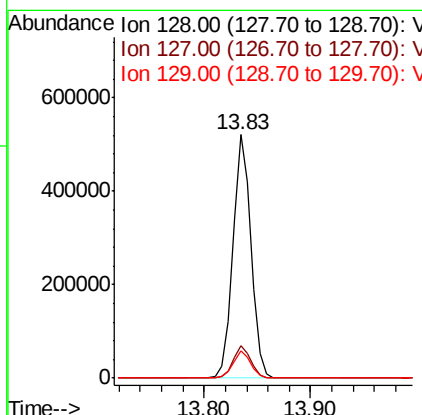
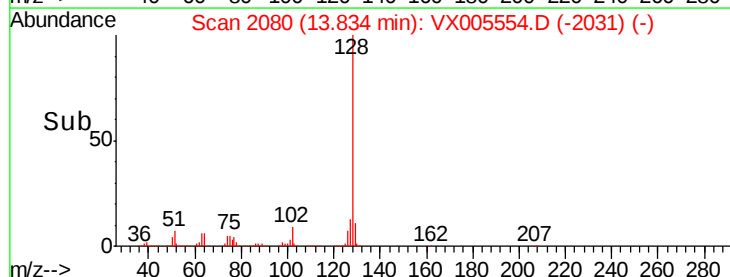
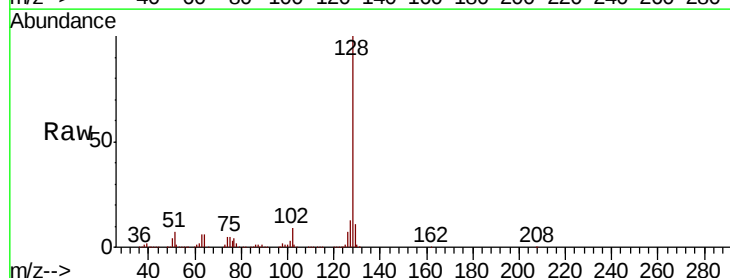
RT: 13.83 min Scan# 2080

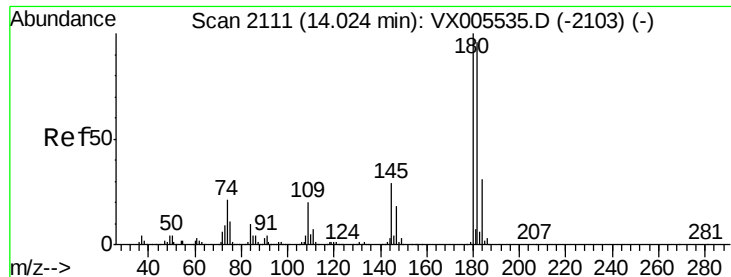
Delta R.T. -0.00 min

Lab File: VX005554.D

Acq: 24 Oct 2018 20:59

Tgt Ion:	128	Resp:	618293
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.8	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 50.893 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX005554.D
 Acq: 24 Oct 2018 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0008MSD

Tot Ion:	180	Resp:	202183
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.5	145.6
145	30.1	14.9	44.9

Manual Integrations
 APPROVED

MMDadoda

10/26/2018 11:53:40 AM

