

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005899.D
 Acq On : 12 Nov 2018 14:41
 Operator : JC/MD
 Sample : VX1112MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 11:47:00 AM

Quant Time: Nov 13 05:42:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	122522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	174255	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	158731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	87725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	69094	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	5.50	113	55809	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
50) Toluene-d8	8.71	98	212573	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
62) 4-Bromofluorobenzene	11.14	95	78131	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	21251	19.237	ug/l	96
3) Chloromethane	1.32	50	27941	19.273	ug/l	99
4) Vinyl Chloride	1.40	62	28132	19.329	ug/l	96
5) Bromomethane	1.64	94	15578	17.491	ug/l	99
6) Chloroethane	1.72	64	17629	20.301	ug/l	93
7) Trichlorofluoromethane	1.93	101	37439	19.380	ug/l	98
8) Diethyl Ether	2.19	74	15517	20.498	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	21814	19.633	ug/l	99
10) Methyl Iodide	2.51	142	24052	17.861	ug/l	99
11) Tert butyl alcohol	3.06	59	38620	95.712	ug/l	98
12) 1,1-Dichloroethene	2.37	96	21044	19.432	ug/l	95
13) Acrolein	2.29	56	24450	136.505	ug/l	99
14) Allyl chloride	2.73	41	47468	19.625	ug/l	99
15) Acrylonitrile	3.15	53	87328	104.433	ug/l	97
16) Acetone	2.45	43	72683	95.838	ug/l	99
17) Carbon Disulfide	2.57	76	59193	18.325	ug/l	100
18) Methyl Acetate	2.78	43	42641	20.093	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	79095	21.399	ug/l	97
20) Methylene Chloride	2.85	84	24948	20.026	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	22662	19.840	ug/l	100
22) Diisopropyl ether	3.87	45	83494	19.706	ug/l #	97
23) Vinyl Acetate	3.82	43	354078	97.465	ug/l	99
24) 1,1-Dichloroethane	3.70	63	45318	20.048	ug/l	99
25) 2-Butanone	4.70	43	116486	97.697	ug/l	92
26) 2,2-Dichloropropane	4.58	77	33564	20.241	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	25709	20.384	ug/l	96
28) Bromochloromethane	5.02	49	20839	20.627	ug/l	97
29) Tetrahydrofuran	5.15	42	77389	101.088	ug/l	97
30) Chloroform	5.21	83	41582	19.066	ug/l	96
31) Cyclohexane	5.57	56	38356	19.547	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	36551	20.093	ug/l	97
36) 1,1-Dichloropropene	5.80	75	30620	18.228	ug/l	98
37) Ethyl Acetate	4.86	43	40903	18.516	ug/l	100
38) Carbon Tetrachloride	5.78	117	30973	18.417	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	35092	20.611	ug/l	97
40) Benzene	6.14	78	94204	19.236	ug/l	98
41) Methacrylonitrile	5.06	41	23193	19.430	ug/l	99
42) 1,2-Dichloroethane	6.20	62	33870	19.310	ug/l	99
43) Isopropyl Acetate	6.46	43	61646	19.259	ug/l	99
44) Trichloroethene	7.21	130	25320	20.359	ug/l	96
45) 1,2-Dichloropropane	7.52	63	24886	20.937	ug/l	99
46) Dibromomethane	7.66	93	15646	20.977	ug/l	99
47) Bromodichloromethane	7.90	83	29948	21.246	ug/l	98
48) Methyl methacrylate	7.77	41	31105	21.641	ug/l	99
49) 1,4-Dioxane	7.75	88	12528	404.502	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	211167	104.675	ug/l	99
52) Toluene	8.79	92	57221	20.907	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	32971	19.821	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	36929	21.781	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	23578	19.329	ug/l	100
56) Ethyl methacrylate	9.18	69	35923	19.683	ug/l	99
57) 1,3-Dichloropropane	9.37	76	39854	19.442	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	102309	107.745	ug/l	99
59) 2-Hexanone	9.49	43	165432	93.033	ug/l	100
60) Dibromochloromethane	9.59	129	23738	18.007	ug/l	97
61) 1,2-Dibromoethane	9.67	107	24412	18.099	ug/l	99
64) Tetrachloroethene	9.34	164	27421	20.290	ug/l	99
65) Chlorobenzene	10.14	112	63903	20.096	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	23049	20.849	ug/l	99
67) Ethyl Benzene	10.25	91	108880	21.353	ug/l	99
68) m/p-Xylenes	10.36	106	83778	43.074	ug/l	98
69) o-Xylene	10.70	106	40496	23.219	ug/l	99
70) Styrene	10.71	104	67123	23.331	ug/l	99
71) Bromoform	10.86	173	18931	20.428	ug/l #	99
73) Isopropylbenzene	11.02	105	111023	21.885	ug/l	99
74) N-amyl acetate	10.90	43	52502	19.234	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	37001	19.871	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	37492m	20.989	ug/l	
77) Bromobenzene	11.26	156	29730	20.792	ug/l	98
78) n-propylbenzene	11.36	91	128597	21.509	ug/l	99
79) 2-Chlorotoluene	11.42	91	76166	21.077	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	94048	21.816	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	10924	19.491	ug/l	96
82) 4-Chlorotoluene	11.51	91	89977	21.127	ug/l	100
83) tert-Butylbenzene	11.77	119	89278	20.470	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	97834	20.493	ug/l	98
85) sec-Butylbenzene	11.94	105	113317	21.247	ug/l	99
86) p-Isopropyltoluene	12.07	119	101449	21.475	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	54377	19.815	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	55059	19.600	ug/l	98
89) n-Butylbenzene	12.39	91	88474	20.207	ug/l	100
90) Hexachloroethane	12.60	117	14847	18.824	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	54033	19.655	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9139	20.113	ug/l	94

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

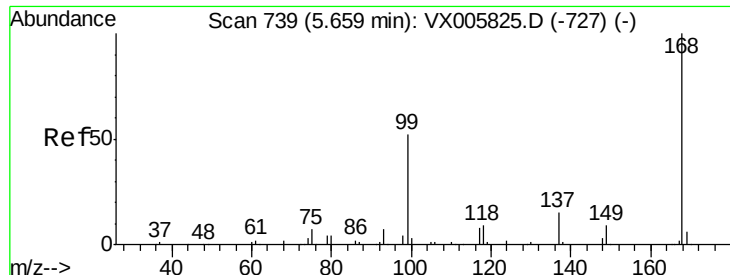
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	41071	21.223	ug/l	99
94) Hexachlorobutadiene	13.78	225	20089	19.762	ug/l	98
95) Naphthalene	13.83	128	129602	21.229	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	42153	21.380	ug/l	100

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



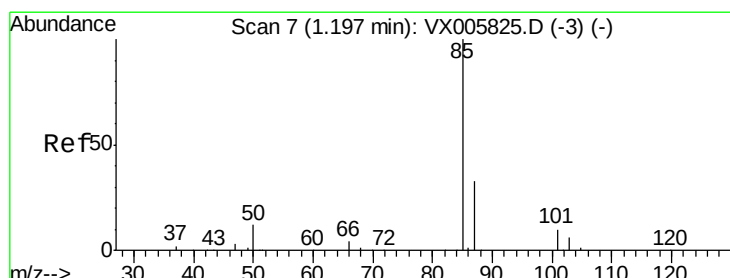
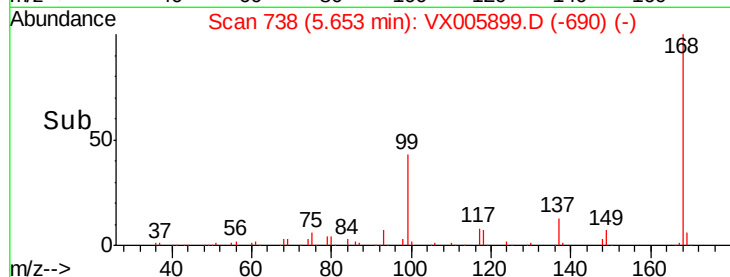
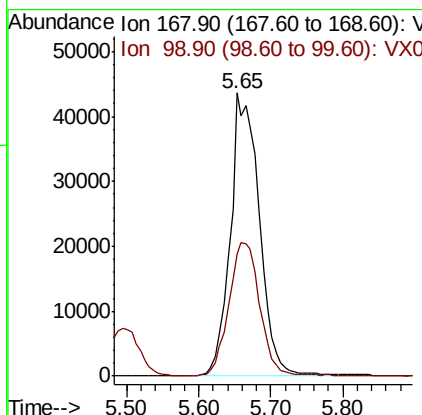
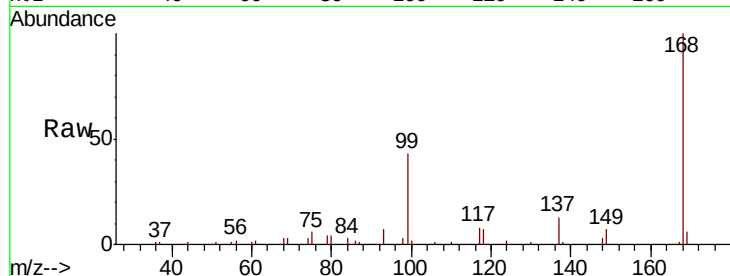
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.01 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	43.3	40.7	61.1

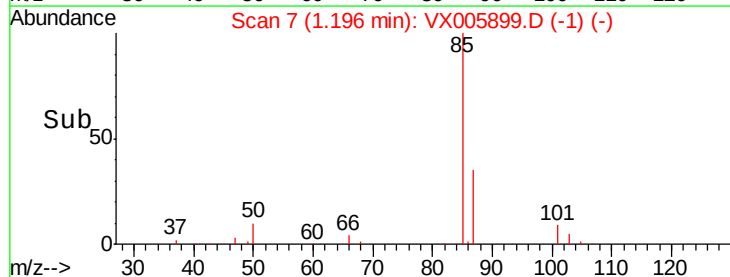
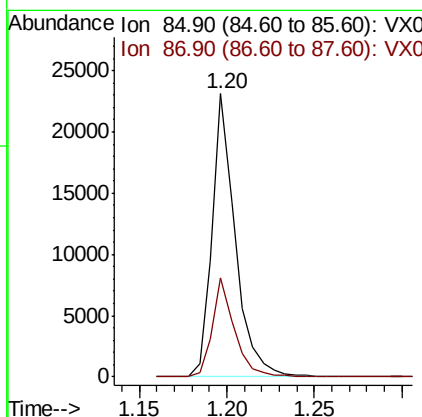
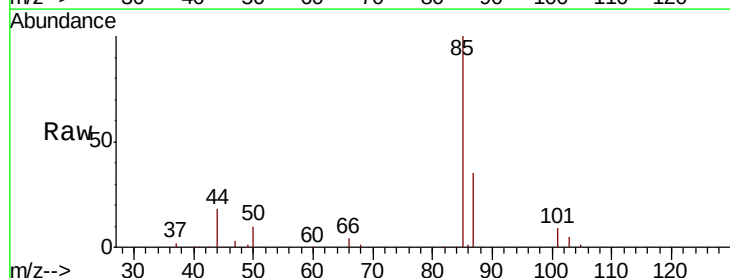
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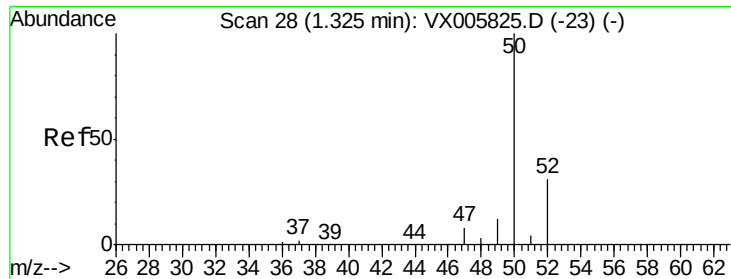
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#2
Dichlorodifluoromethane
Concen: 19.237 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.1	16.3	48.9





#3

Chloromethane

Concen: 19.273 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion: 50 Resp: 27941

Ion Ratio Lower Upper

50 100

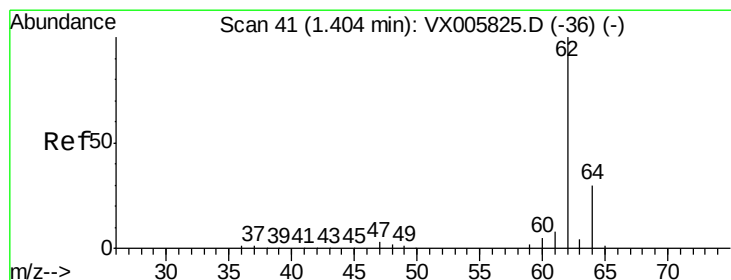
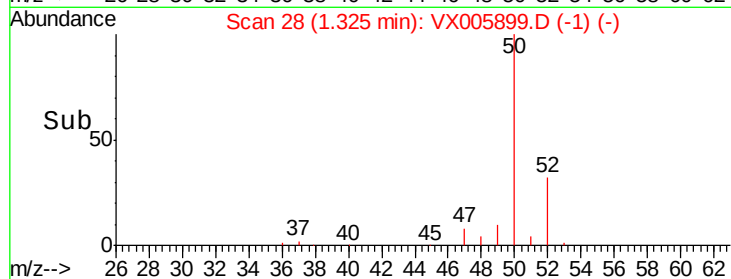
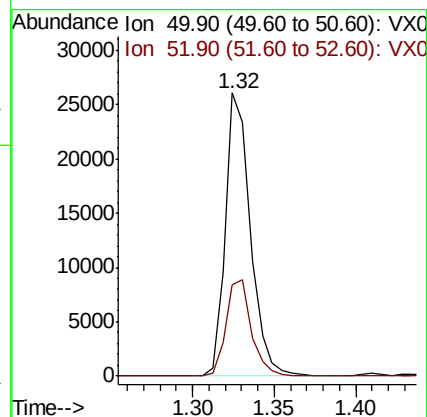
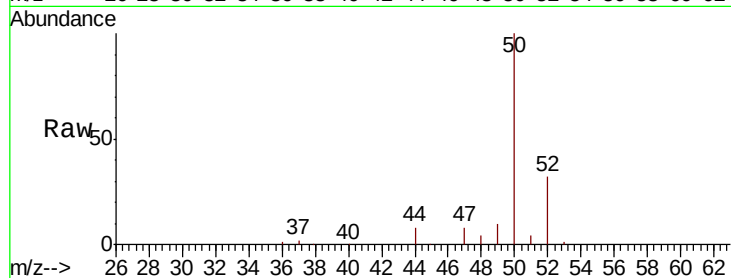
52 32.3 26.2 39.2

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#4

Vinyl Chloride

Concen: 19.329 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005899.D

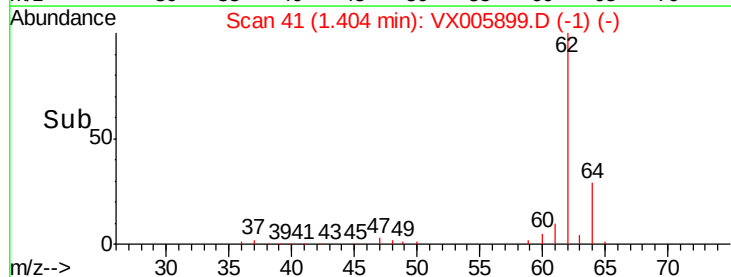
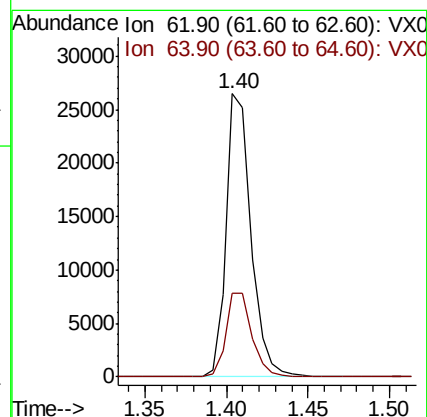
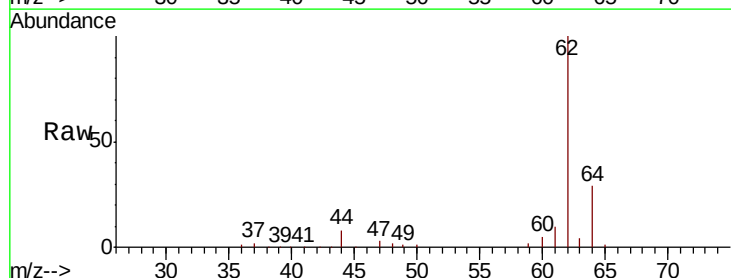
Acq: 12 Nov 2018 14:41

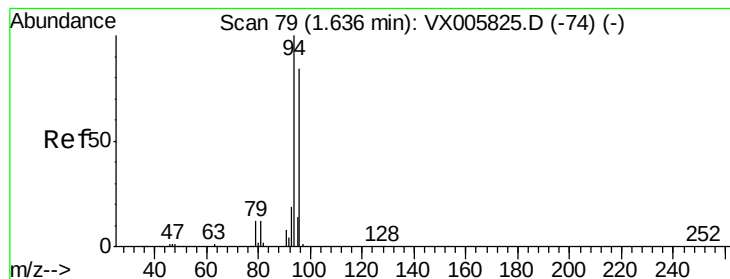
Tgt Ion: 62 Resp: 28132

Ion Ratio Lower Upper

62 100

64 29.5 25.3 37.9





#5

Bromomethane

Concen: 17.491 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion: 94 Resp: 15578

Ion Ratio Lower Upper

94 100

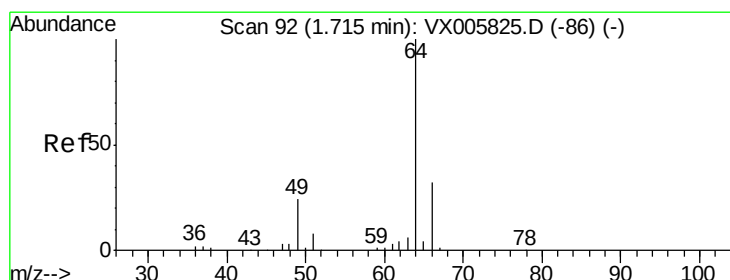
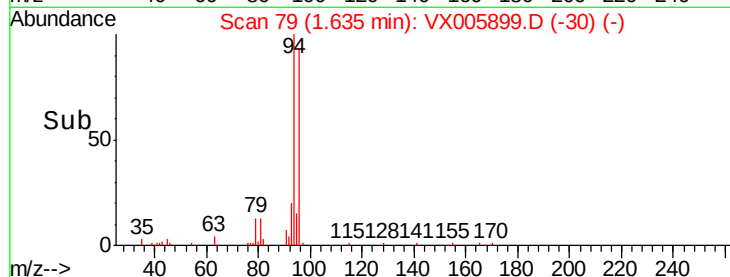
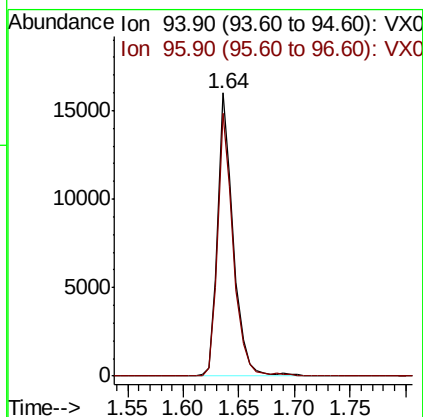
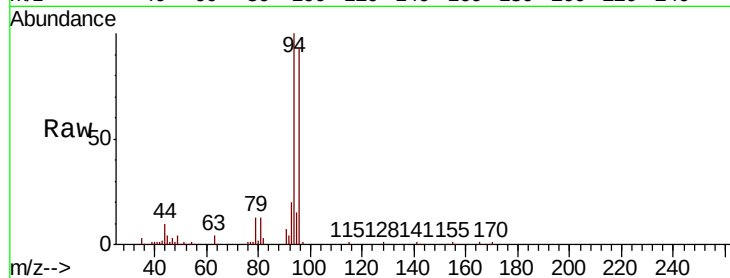
96 92.9 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 20.301 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005899.D

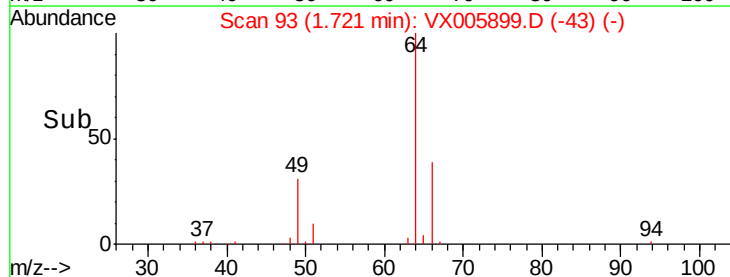
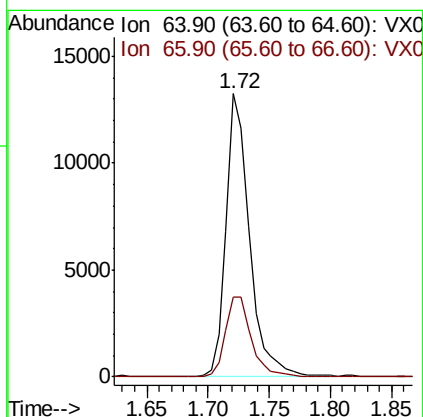
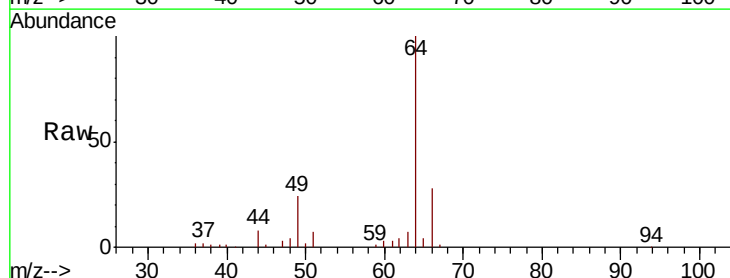
Acq: 12 Nov 2018 14:41

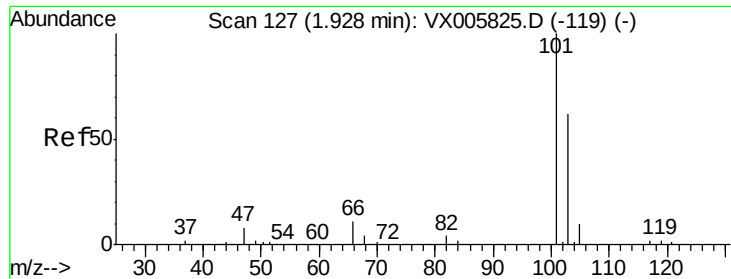
Tgt Ion: 64 Resp: 17629

Ion Ratio Lower Upper

64 100

66 28.4 25.8 38.6





#7

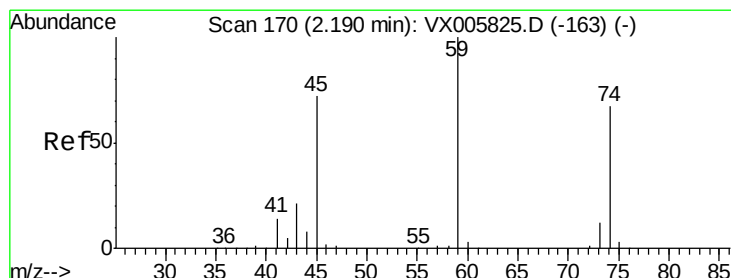
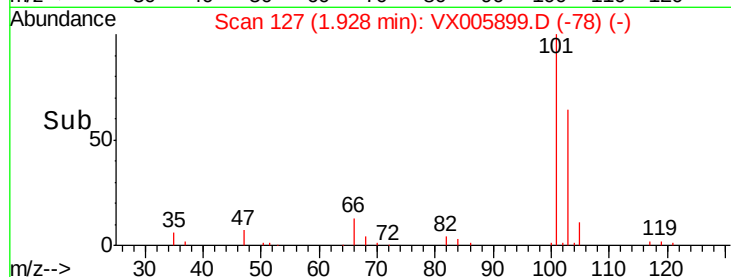
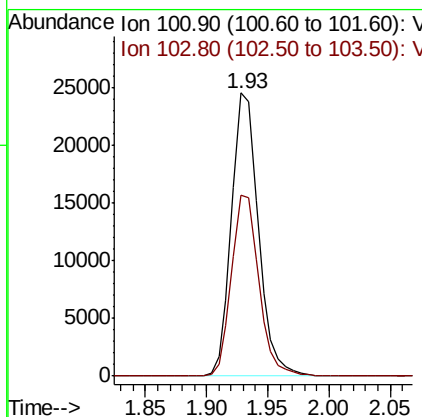
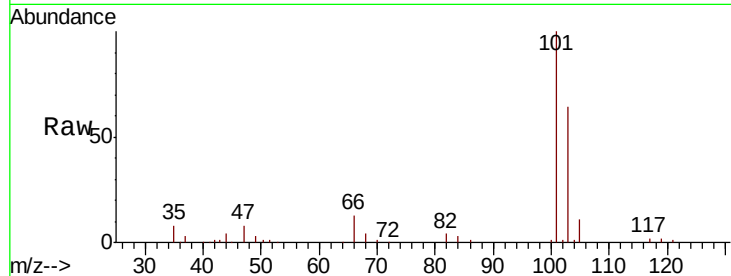
Trichlorofluoromethane
Concen: 19.380 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
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ClientSampleId :
VX1112MBS01

Tot Ion	101	Resp	37439
Ion Ratio	100	Lower	Upper
101	100		
103	64.2	50.0	75.0

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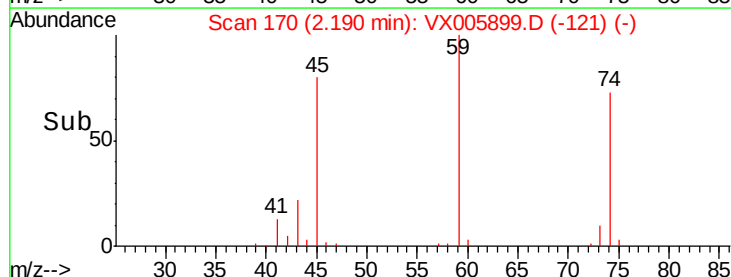
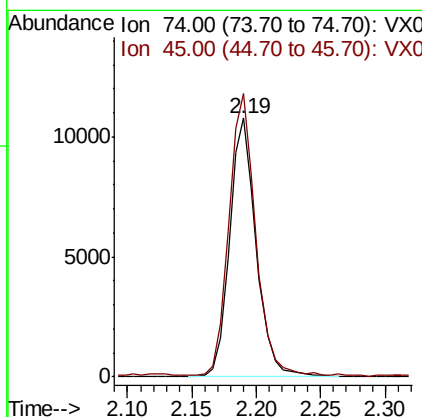
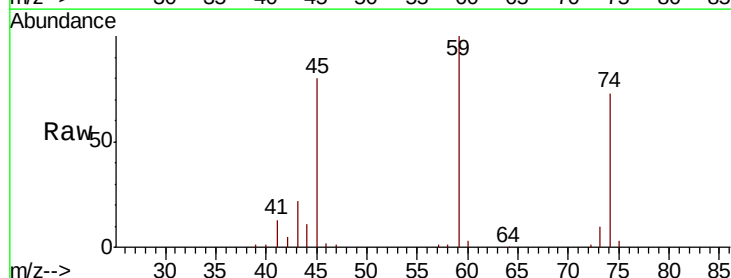
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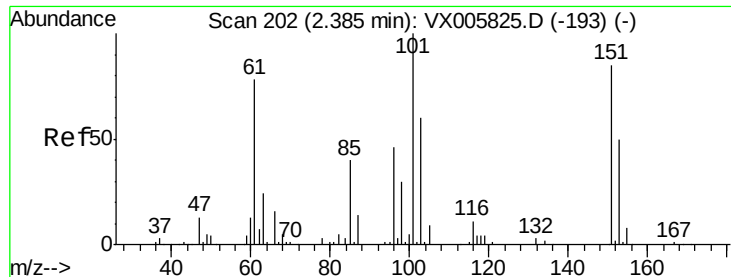


#8

Diethyl Ether
Concen: 20.498 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion	74	Resp	15517
Ion Ratio	100	Lower	Upper
74	100		
45	109.5	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.633 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

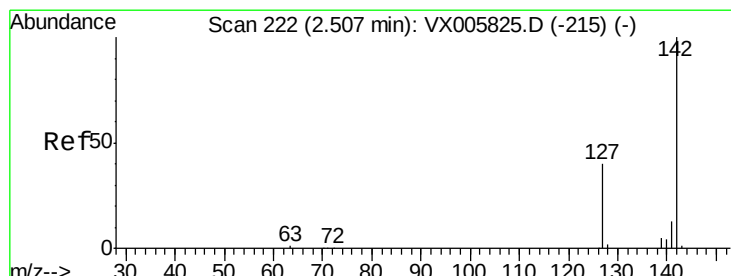
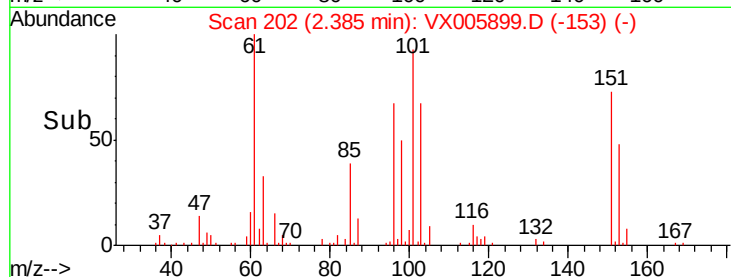
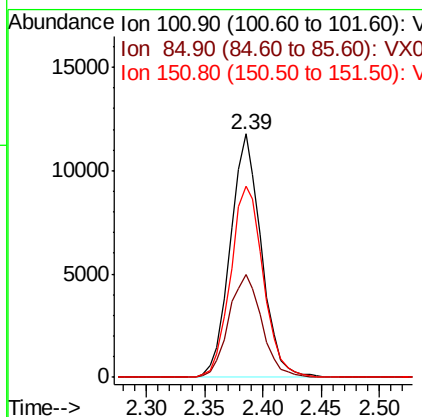
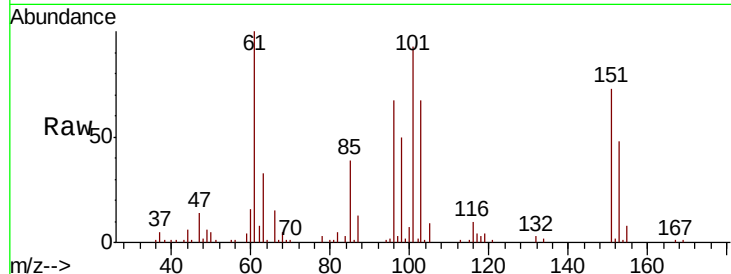
ClientSampleId :

VX1112MBS01

Tot Ion:	101	Resp:	21814
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.0	52.4
151	82.7	66.2	99.2

Manual Integrations
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#10

Methyl Iodide

Concen: 17.861 ug/l

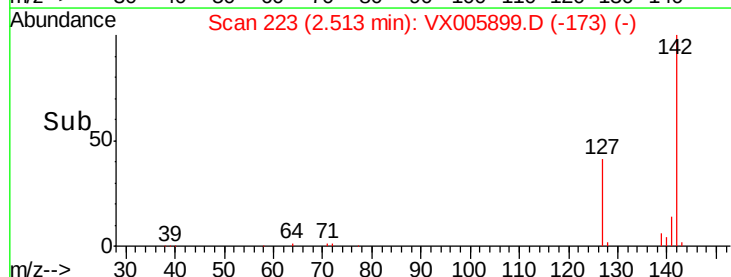
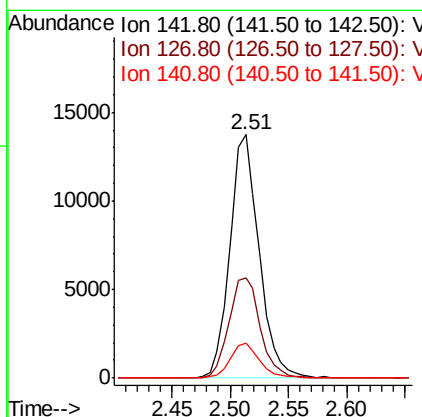
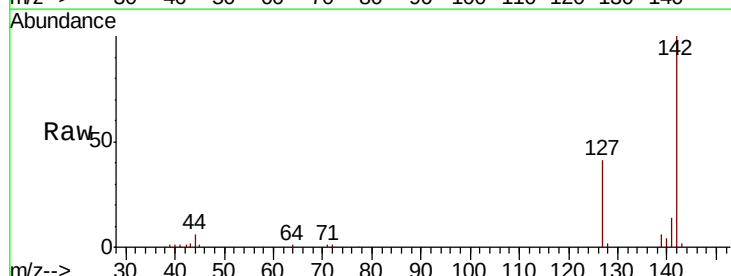
RT: 2.51 min Scan# 223

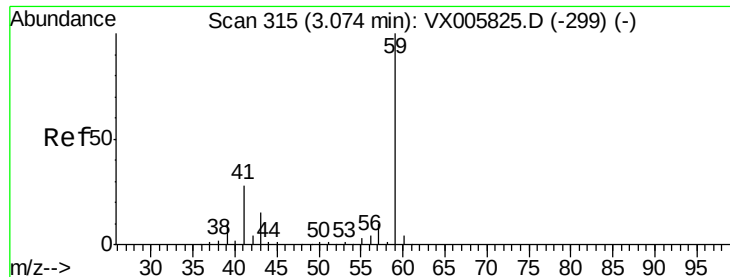
Delta R.T. 0.01 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Tgt Ion:	142	Resp:	24052
Ion Ratio	Lower	Upper	
142	100		
127	44.0	36.0	54.0
141	14.3	11.7	17.5





#11

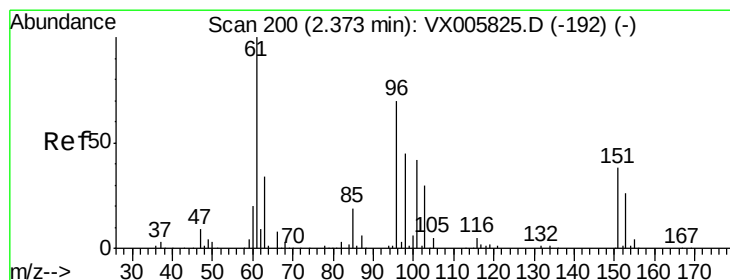
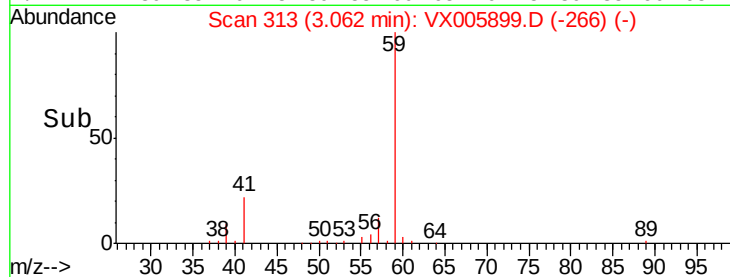
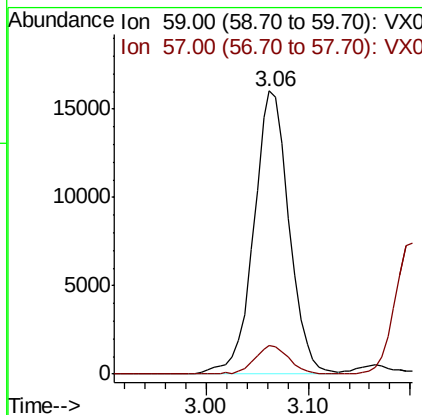
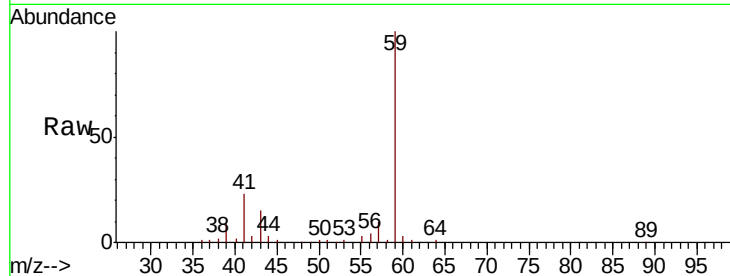
Tert butyl alcohol
Concen: 95.712 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	38620		
57	9.8		8.5	12.7

Manual Integrations
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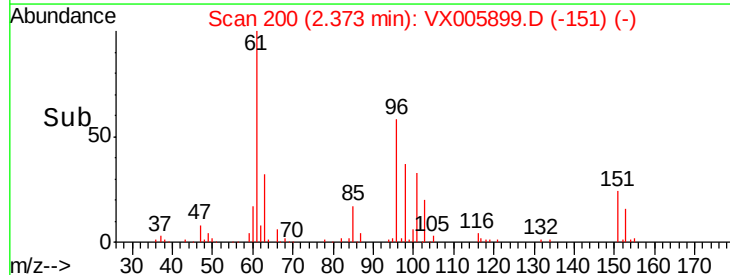
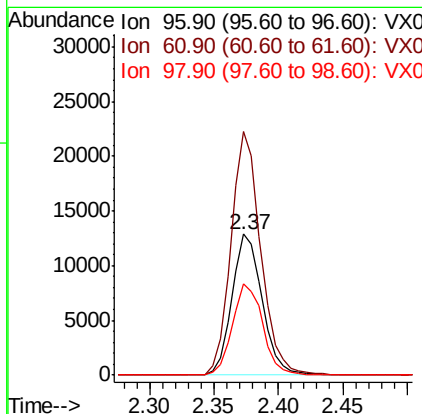
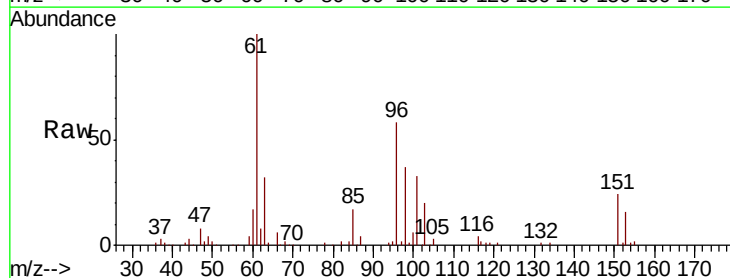
MMDadoda
11/13/2018 11:47:00 AM

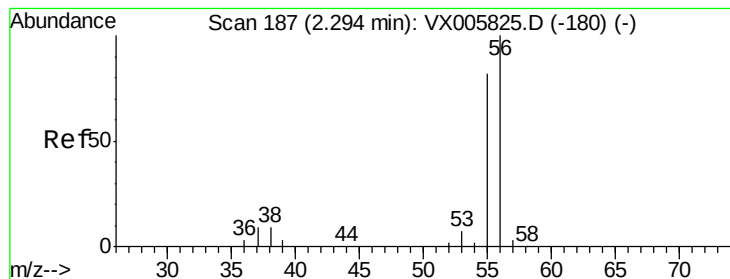


#12

1,1-Dichloroethene
Concen: 19.432 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	21044		
61	173.2		131.8	197.8
98	64.9		53.4	80.2





#13

Acrolein

Concen: 136.505 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion: 56 Resp: 24450

Ion Ratio Lower Upper

56 100

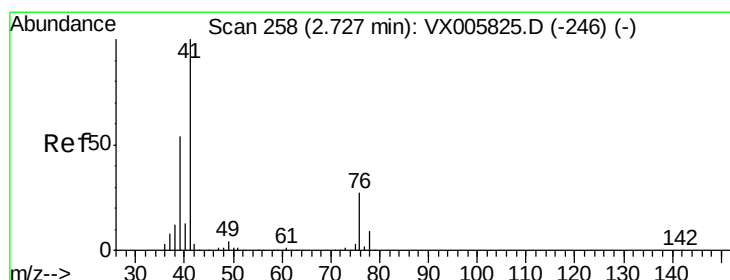
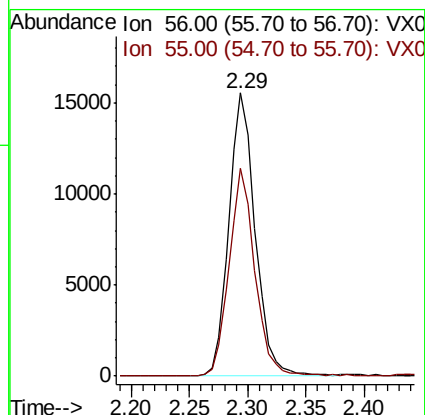
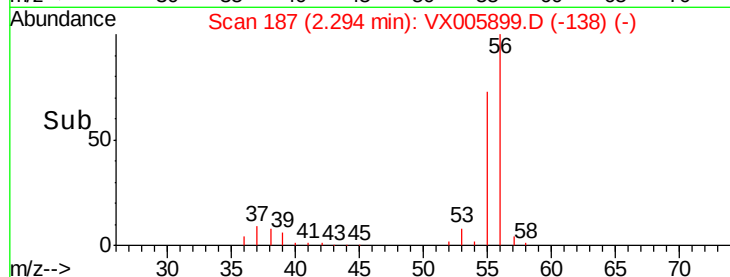
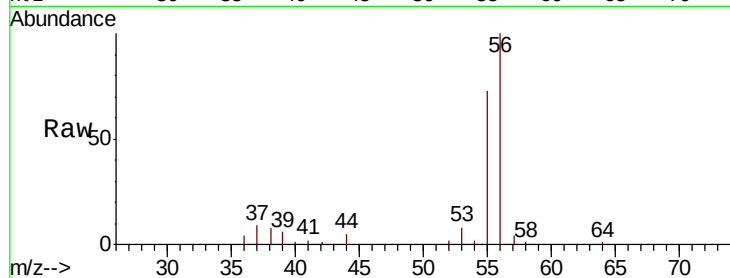
55 72.1 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 19.625 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

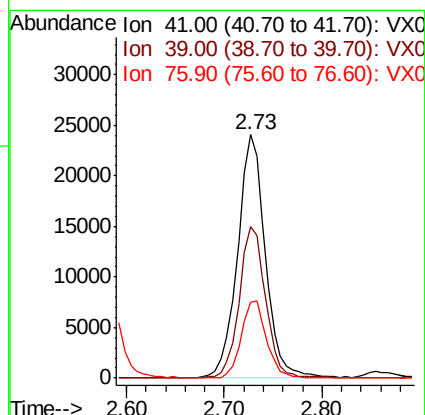
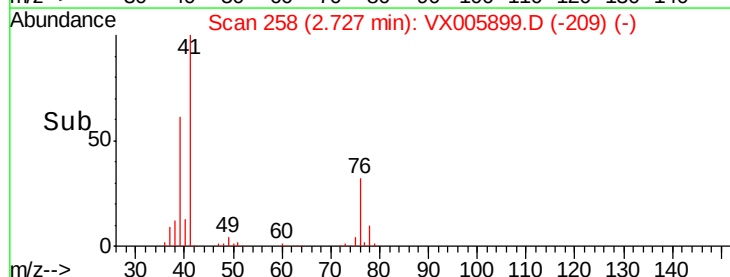
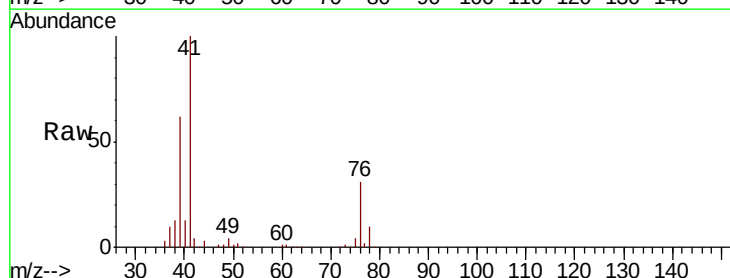
Tgt Ion: 41 Resp: 47468

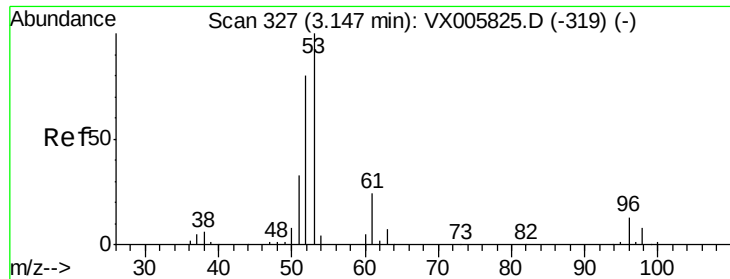
Ion Ratio Lower Upper

41 100

39 59.8 48.2 72.4

76 28.8 21.9 32.9





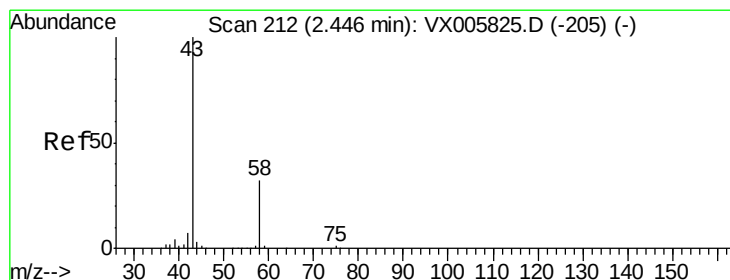
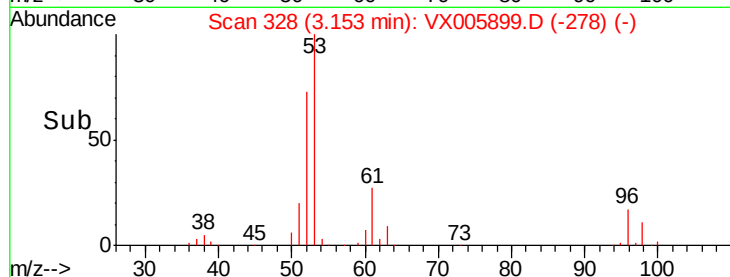
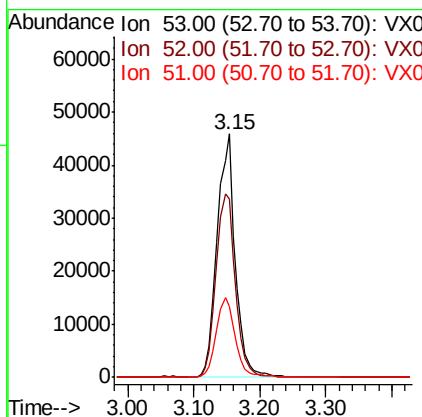
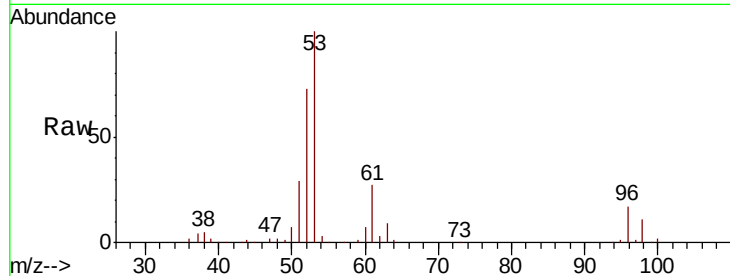
#15
 Acrylonitrile
 Concen: 104.433 ug/l
 RT: 3.15 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.3	66.6	99.8
51	34.4	28.4	42.6

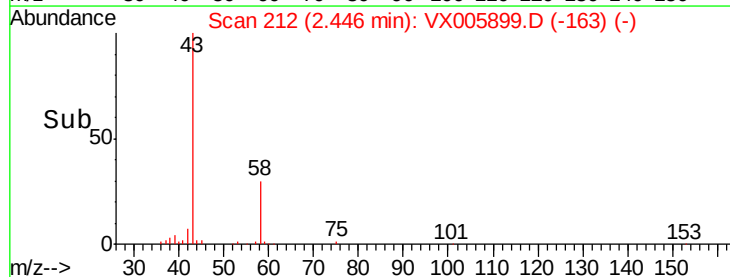
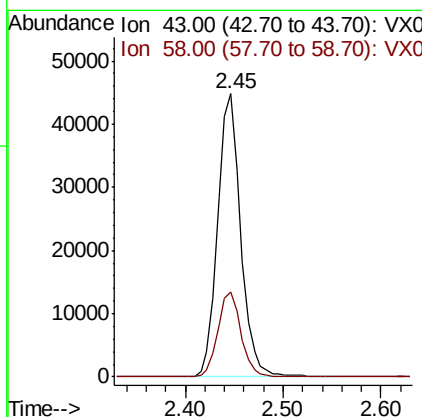
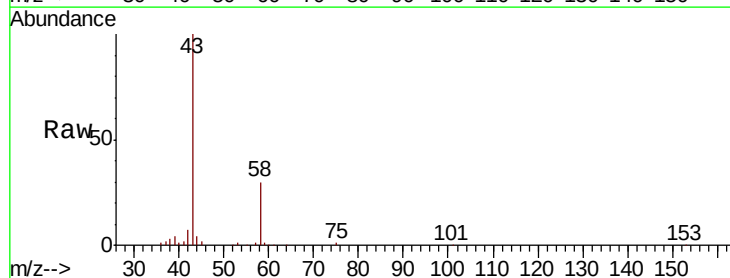
Manual Integrations
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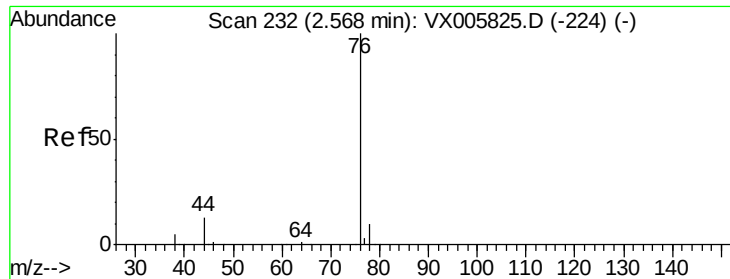
MMDadoda
 11/13/2018 11:47:00 AM



#16
 Acetone
 Concen: 95.838 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.8	35.6





#17

Carbon Disulfide

Concen: 18.325 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion: 76 Resp: 59193

Ion Ratio Lower Upper

76 100

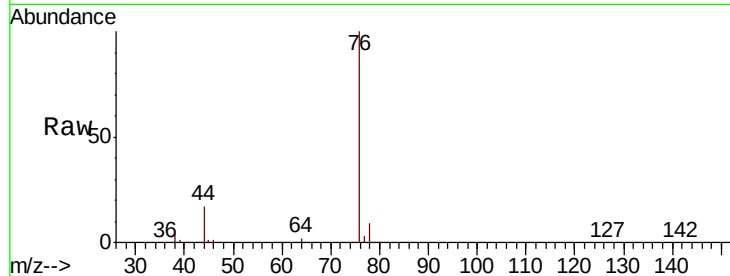
78 9.1 7.3 10.9

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

30000

20000

10000

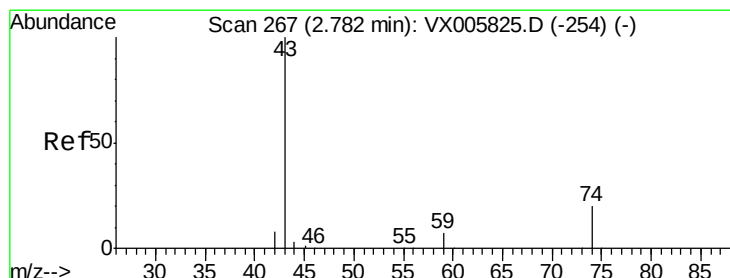
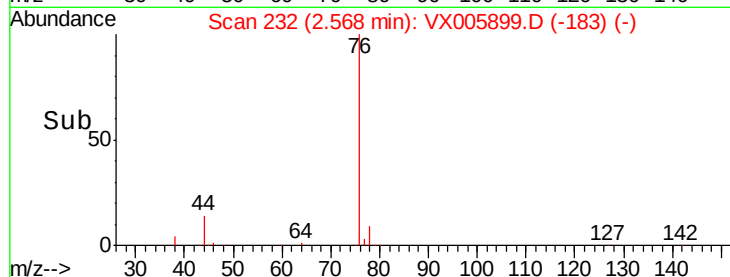
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 20.093 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005899.D

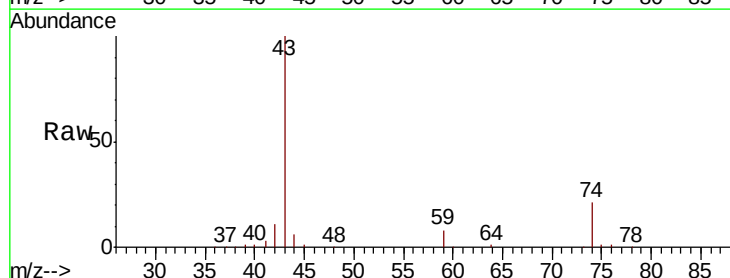
Acq: 12 Nov 2018 14:41

Tgt Ion: 43 Resp: 42641

Ion Ratio Lower Upper

43 100

74 21.8 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

25000

20000

15000

10000

5000

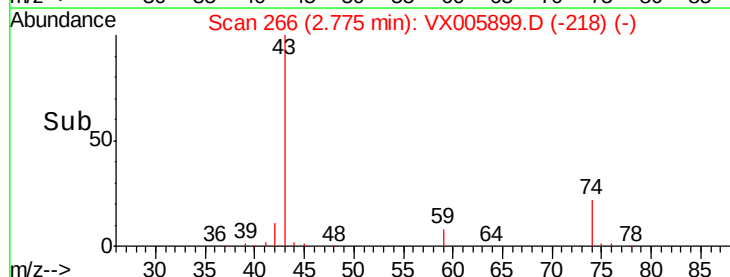
0

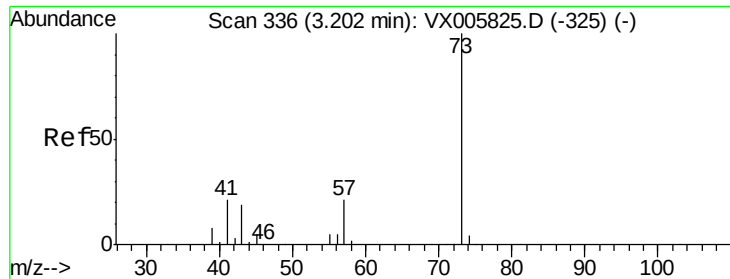
Time-->

2.70

2.80

2.90





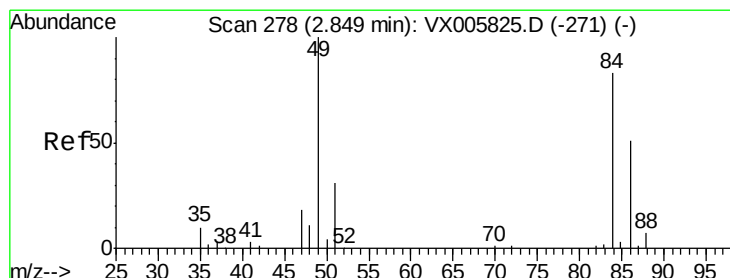
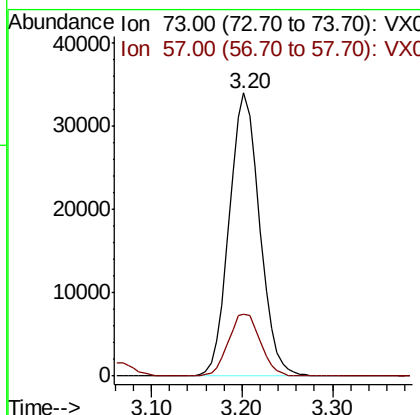
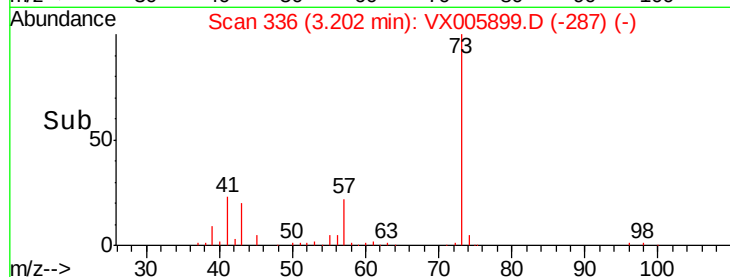
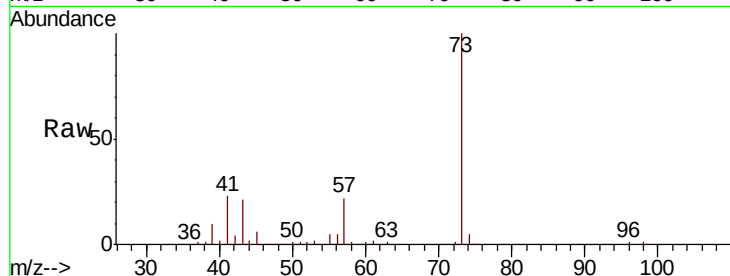
#19
Methyl tert-butyl Ether
Concen: 21.399 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion: 73 Resp: 79095
Ion Ratio Lower Upper
73 100
57 22.0 18.8 28.2

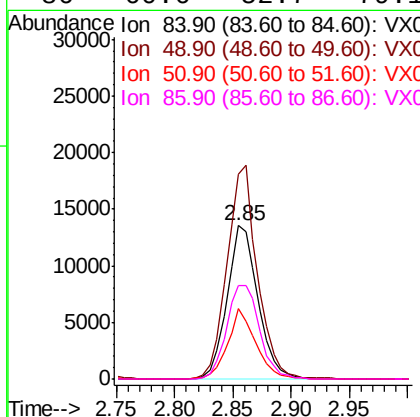
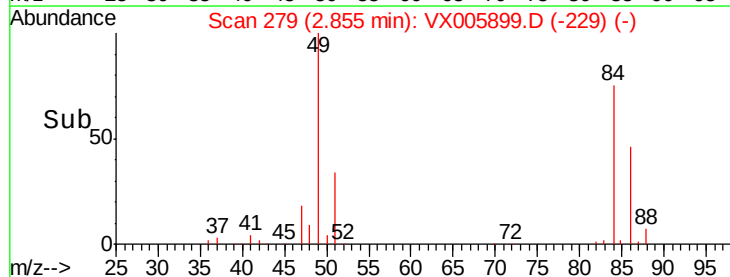
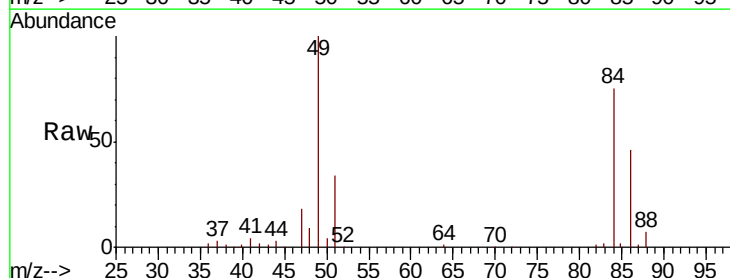
Manual Integrations
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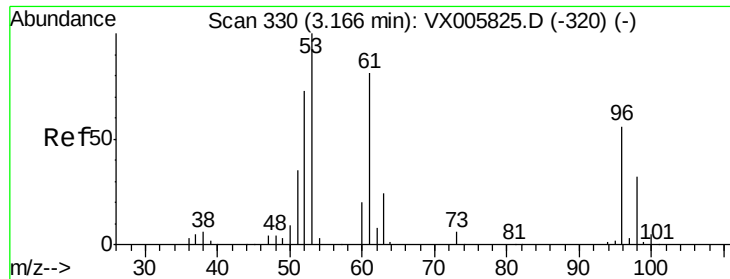
MMDadoda
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#20
Methylene Chloride
Concen: 20.026 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion: 84 Resp: 24948
Ion Ratio Lower Upper
84 100
49 133.2 109.5 164.3
51 45.6 33.3 49.9
86 60.6 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.840 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion: 96 Resp: 22662

Ion Ratio Lower Upper

96 100

61 145.0 115.6 173.4

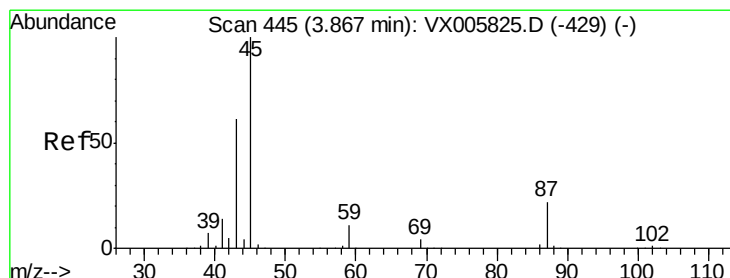
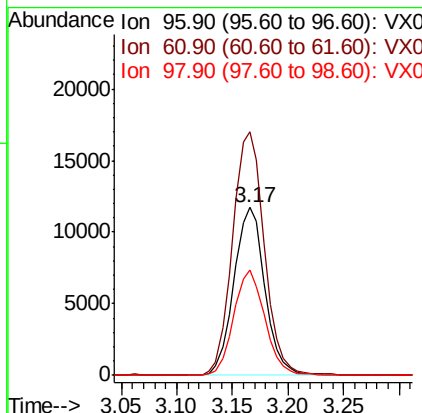
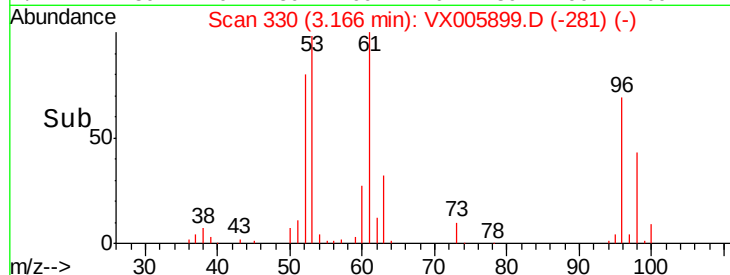
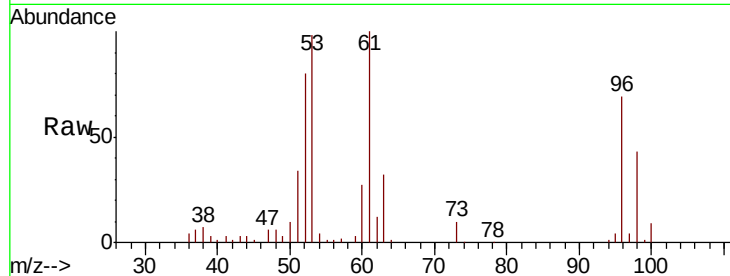
98 62.5 50.2 75.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.706 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Tgt Ion: 45 Resp: 83494

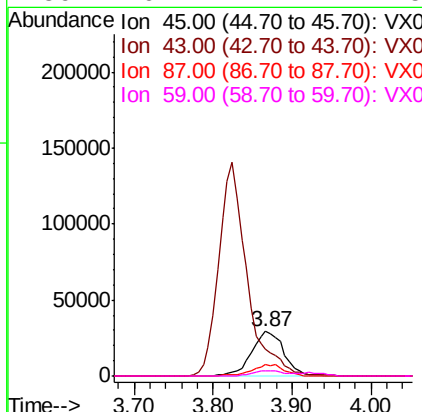
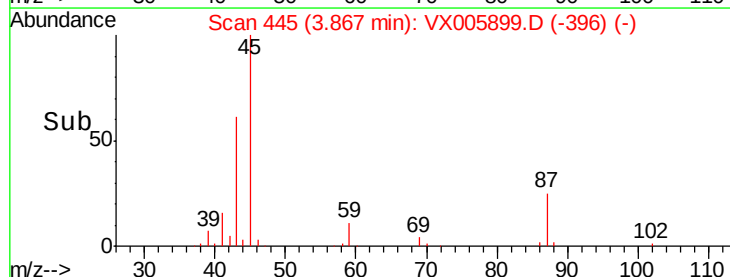
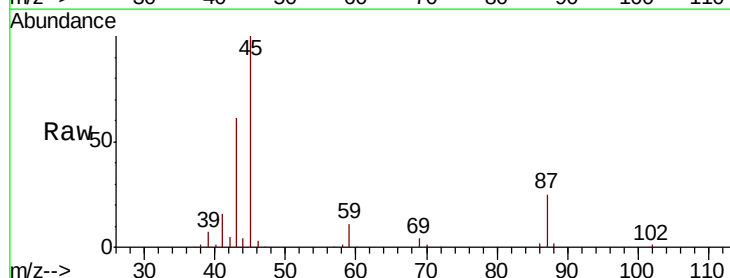
Ion Ratio Lower Upper

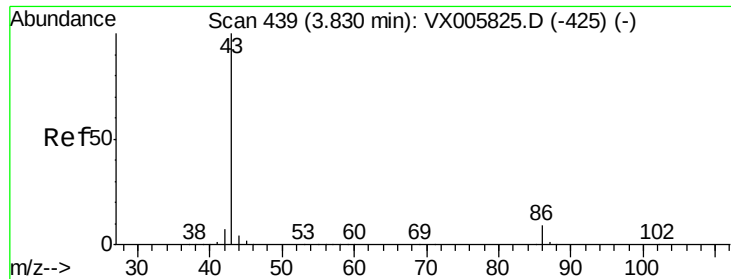
45 100

43 60.0 47.4 71.2

87 25.0 15.9 23.9#

59 10.7 7.7 11.5





#23

Vinyl Acetate

Concen: 97.465 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion: 43 Resp: 354078

Ion Ratio Lower Upper

43 100

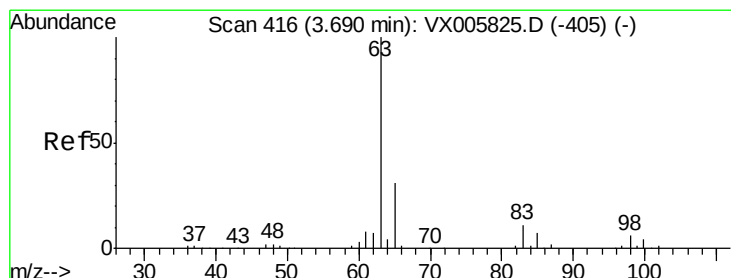
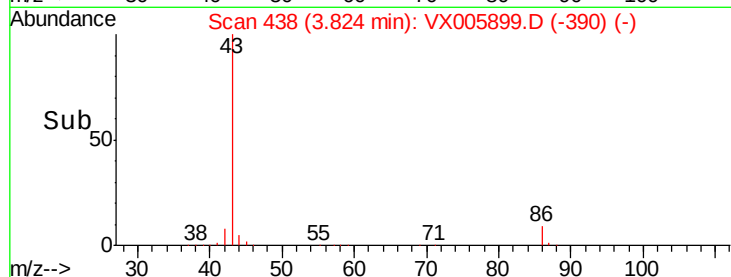
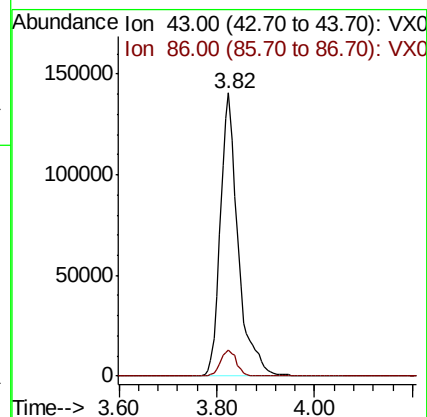
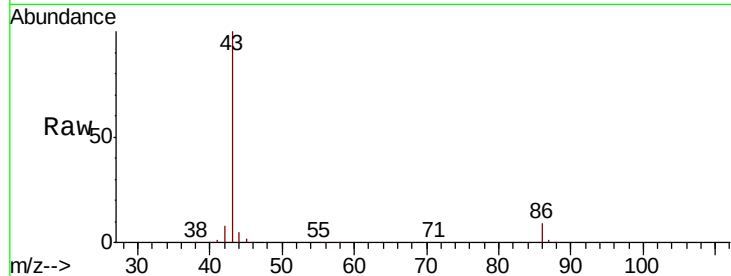
86 9.1 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.048 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

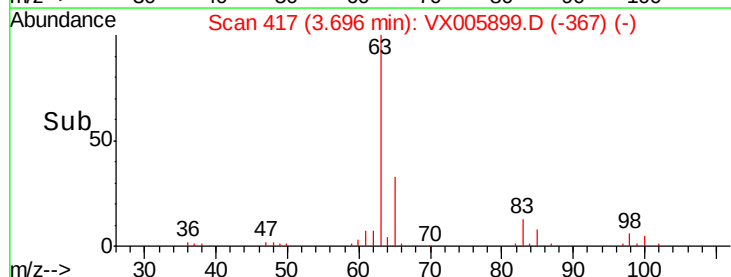
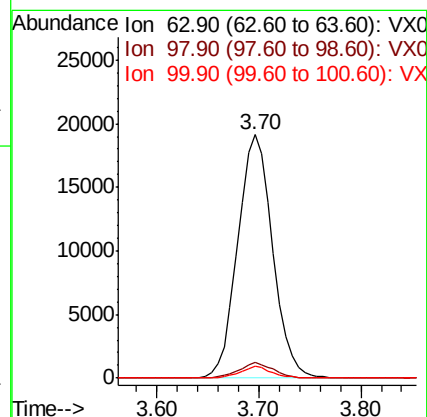
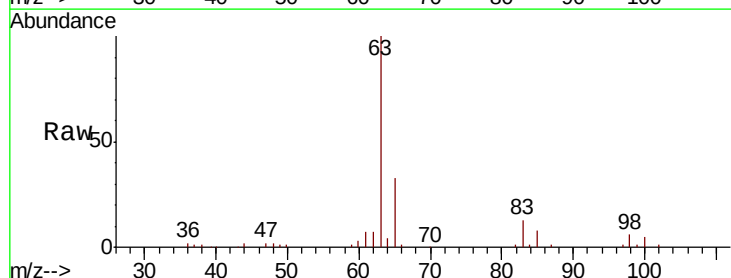
Tgt Ion: 63 Resp: 45318

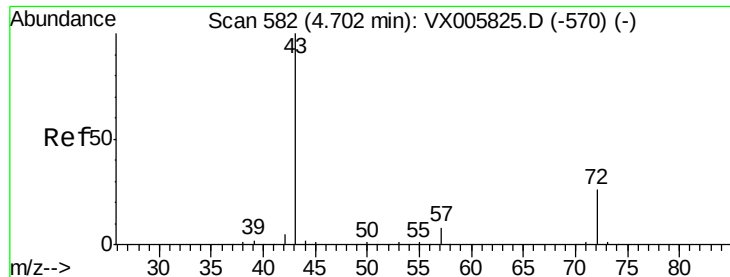
Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

100 4.7 2.1 6.2





#25

2-Butanone

Concen: 97.697 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion: 43 Resp: 116486

Ion Ratio Lower Upper

43 100

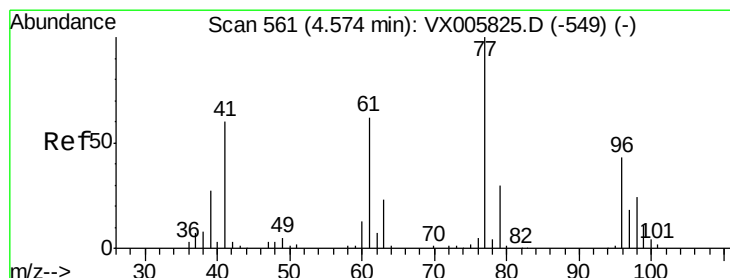
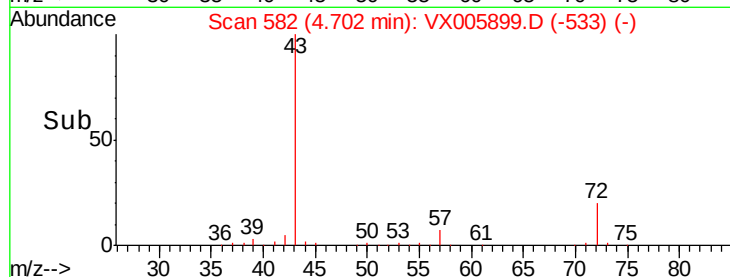
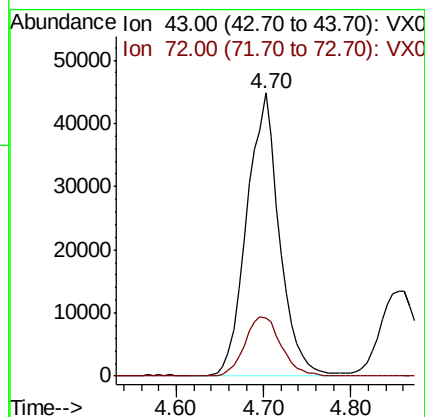
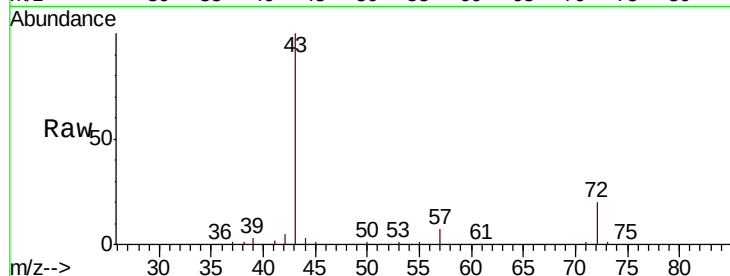
72 20.2 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.241 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005899.D

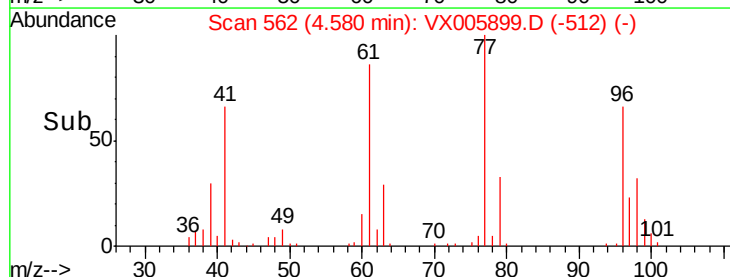
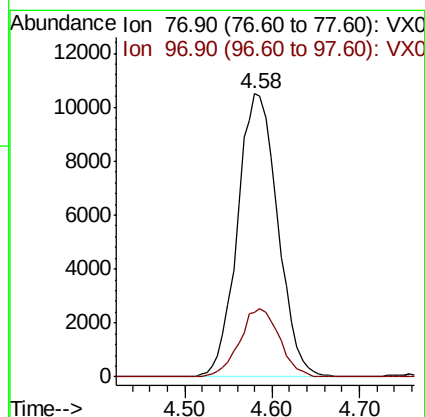
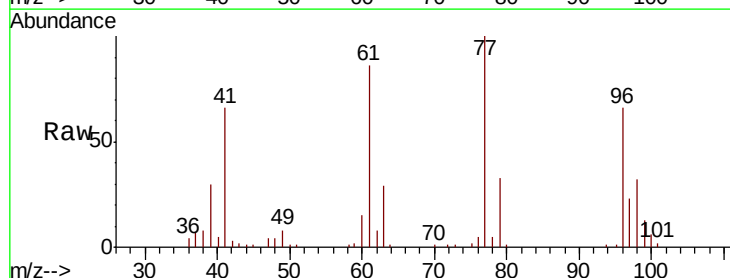
Acq: 12 Nov 2018 14:41

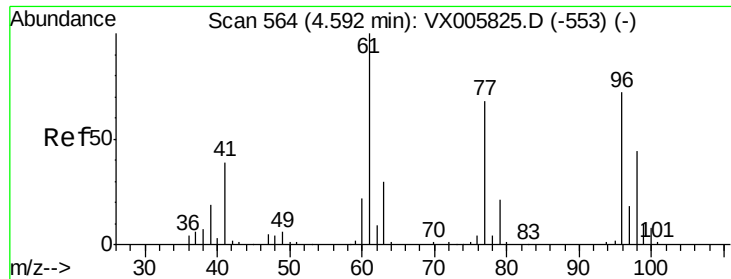
Tgt Ion: 77 Resp: 33564

Ion Ratio Lower Upper

77 100

97 23.8 11.5 34.5





#27

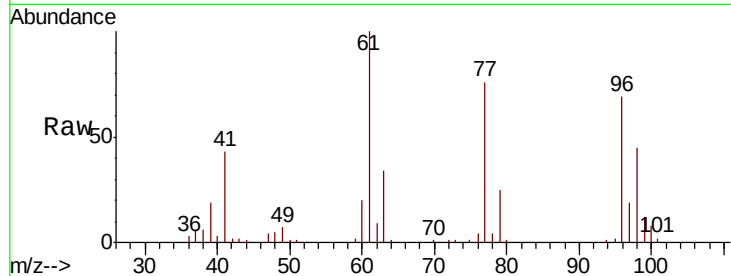
cis-1,2-Dichloroethene
 Concen: 20.384 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	304.6
98	62.3	0.0	127.4

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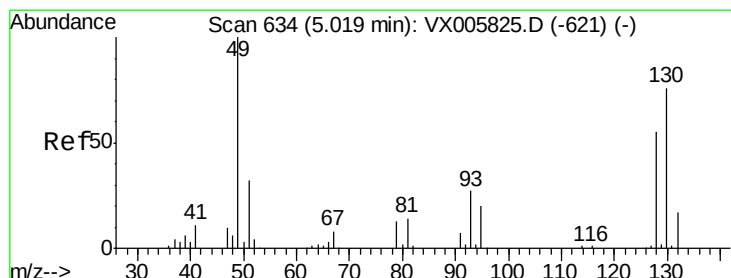
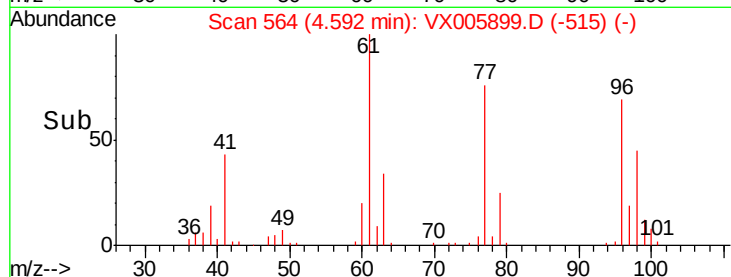
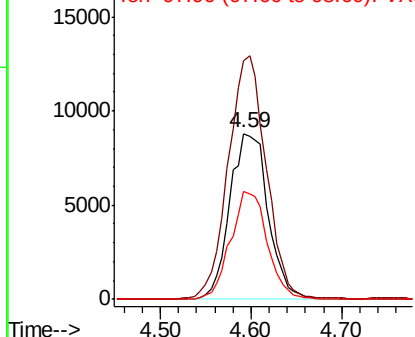


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

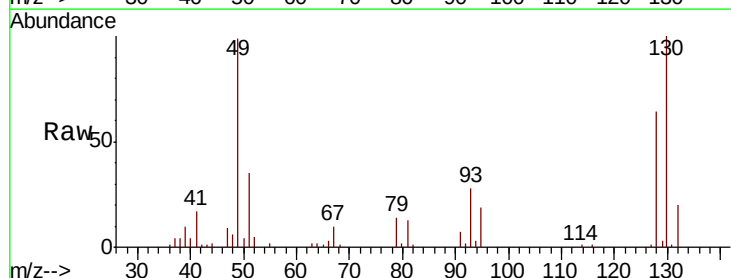
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 20.627 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	76.5	58.9	88.3

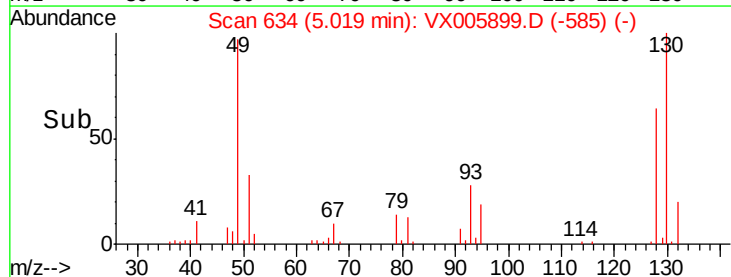
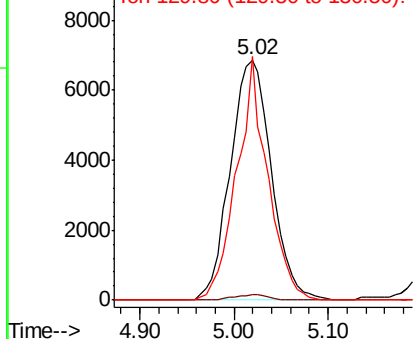


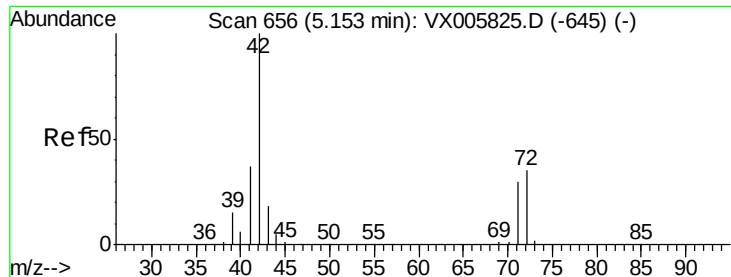
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





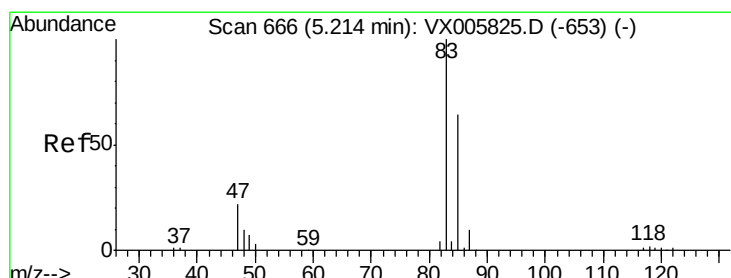
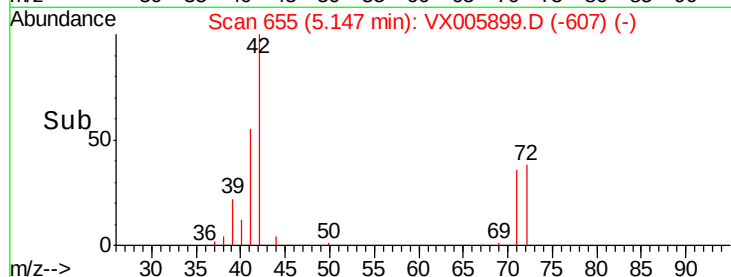
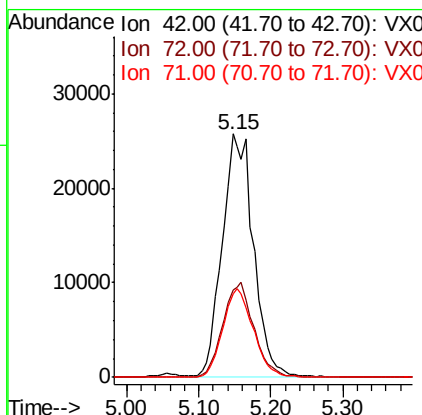
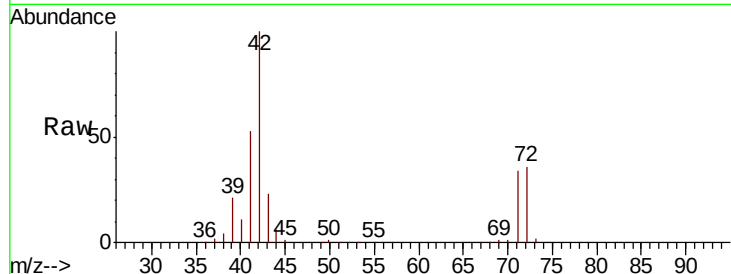
#29
Tetrahydrofuran
Concen: 101.088 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	32.0	48.0
71	35.7	29.8	44.8

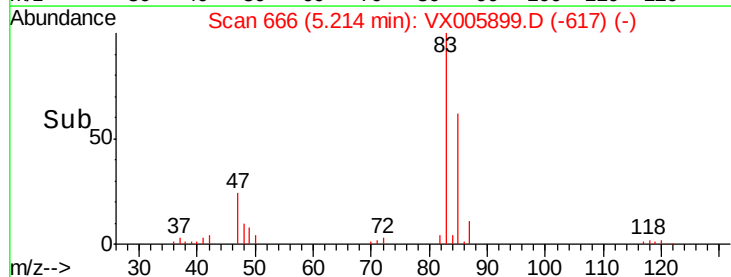
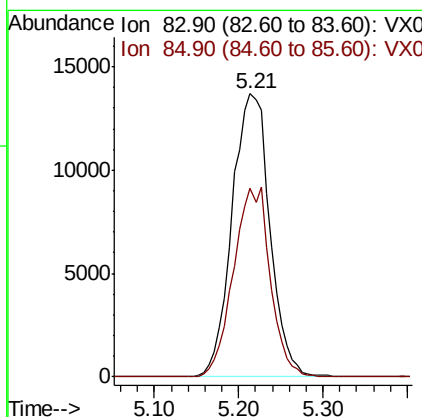
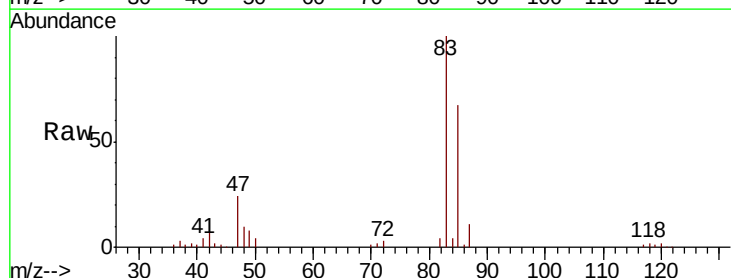
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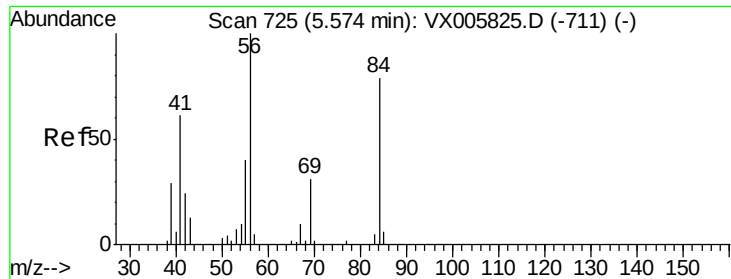
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#30
Chloroform
Concen: 19.066 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.6	76.0





#31

Cyclohexane

Concen: 19.547 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

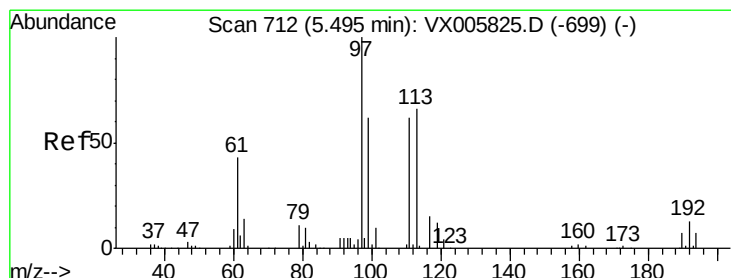
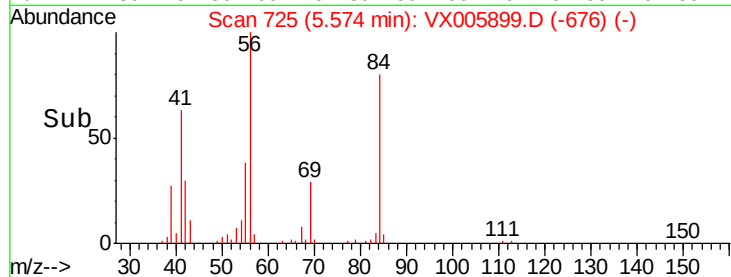
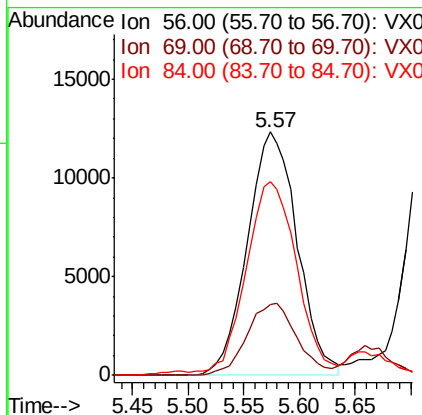
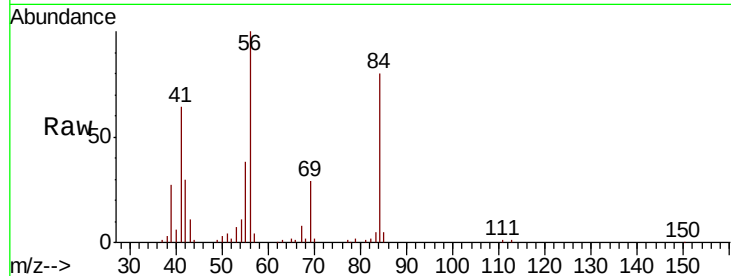
ClientSampleId :

VX1112MBS01

Tot Ion:	56	Resp:	38356
Ion Ratio	Lower	Upper	
56	100		
69	28.9	22.6	34.0
84	78.4	62.7	94.1

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#32

1,1,1-Trichloroethane

Concen: 20.093 ug/l

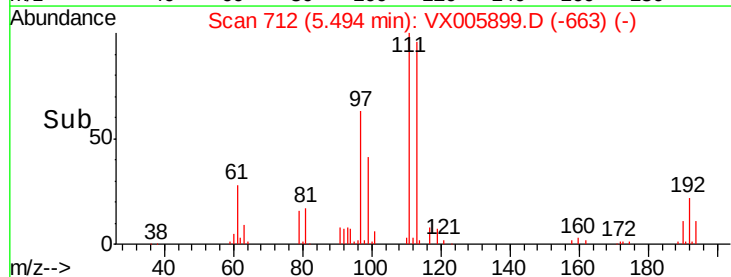
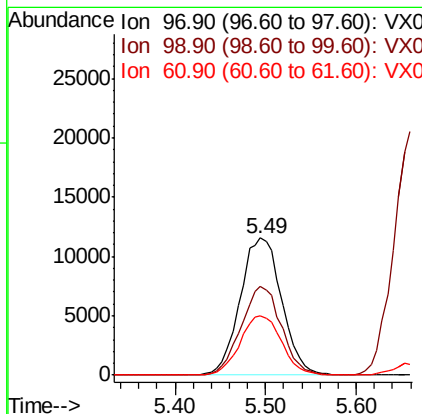
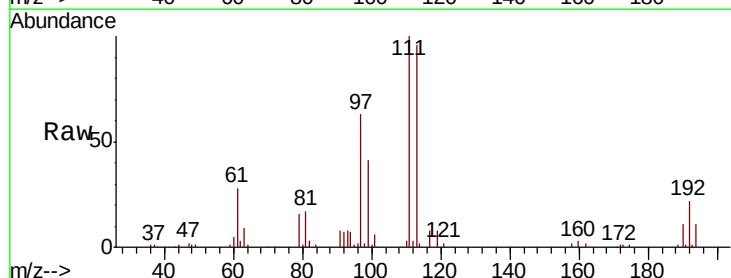
RT: 5.49 min Scan# 712

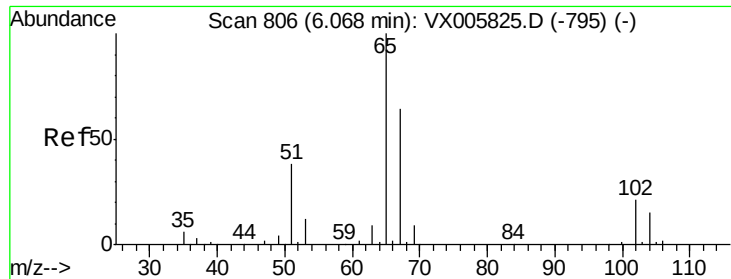
Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Tgt Ion:	97	Resp:	36551
Ion Ratio	Lower	Upper	
97	100		
99	62.4	52.3	78.5
61	43.2	35.2	52.8





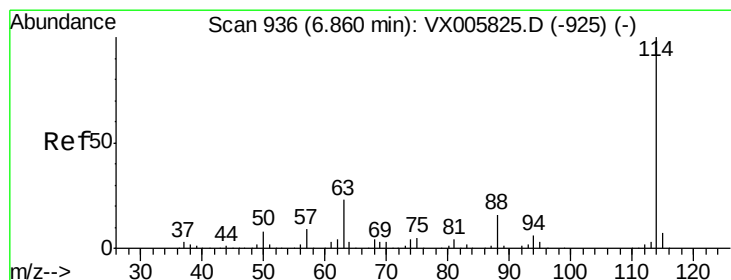
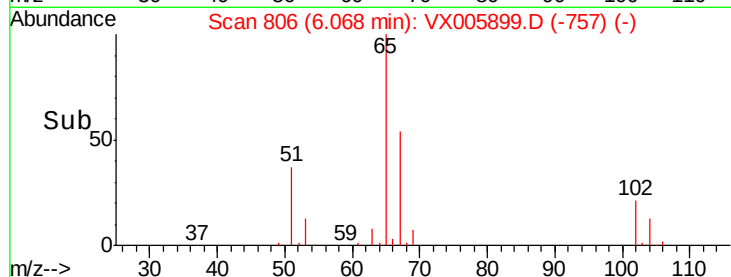
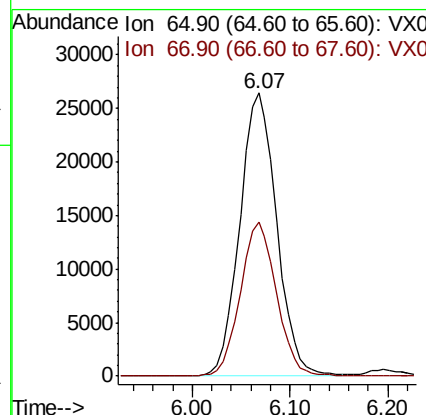
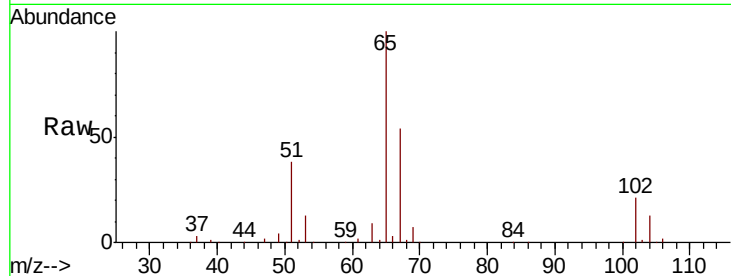
#33
 1,2-Dichloroethane-d4
 Concen: 49.053 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112MBS01

Tot Ion: 65 Resp: 69094
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.0

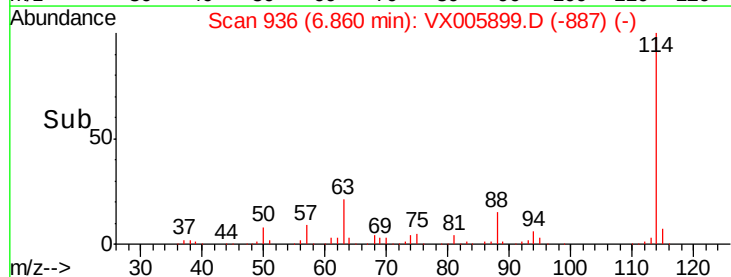
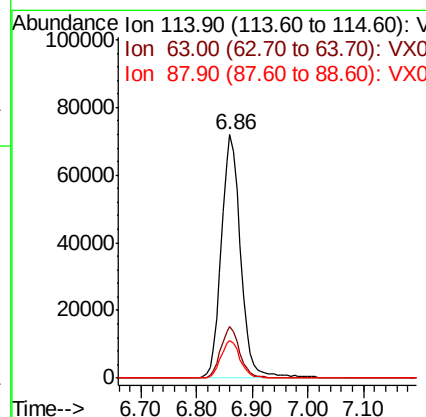
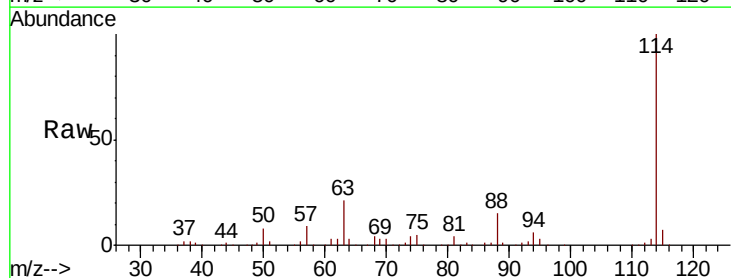
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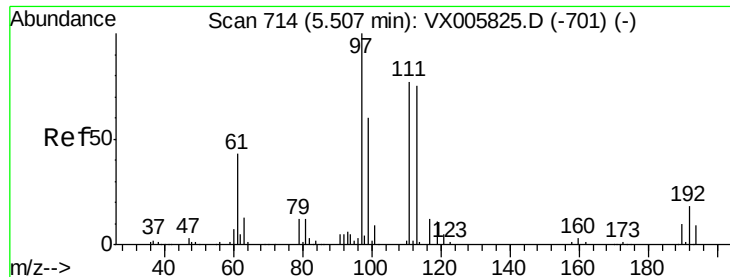
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Tgt Ion: 114 Resp: 174255
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 42.8
 88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.088 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

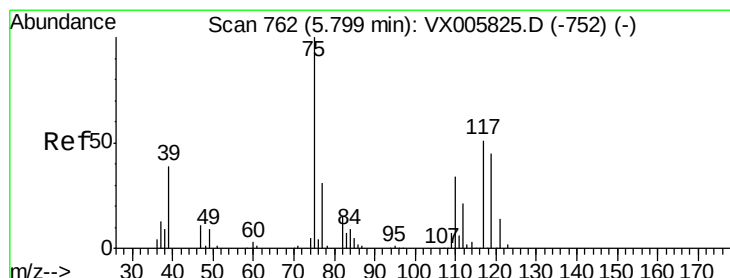
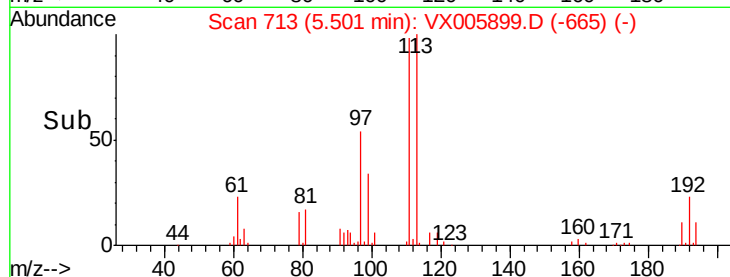
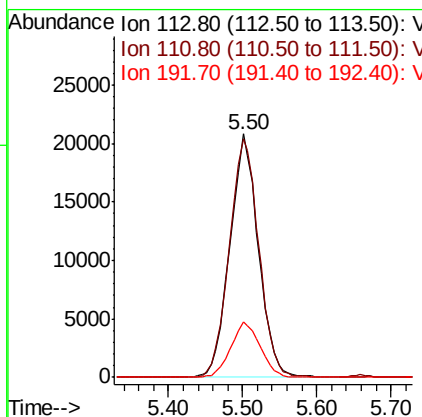
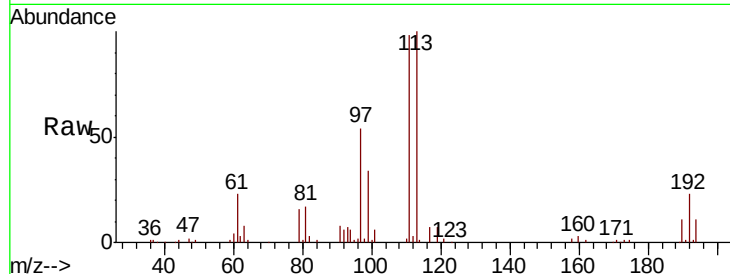
ClientSampleId :

VX1112MBS01

Tot Ion:	113	Resp:	55809
Ion Ratio	Lower	Upper	
113	100		
111	101.6	82.3	123.5
192	23.5	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 18.228 ug/l

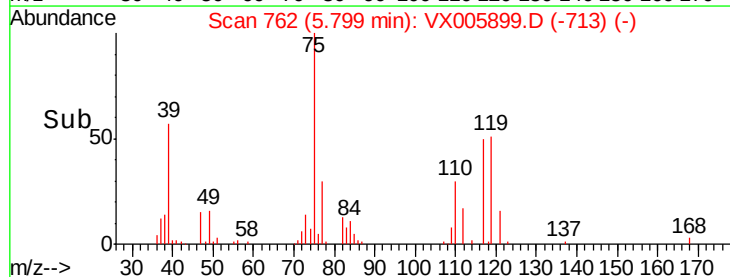
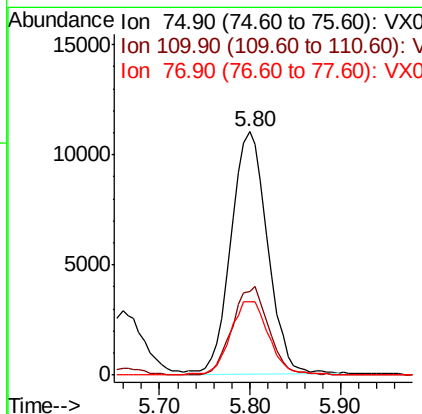
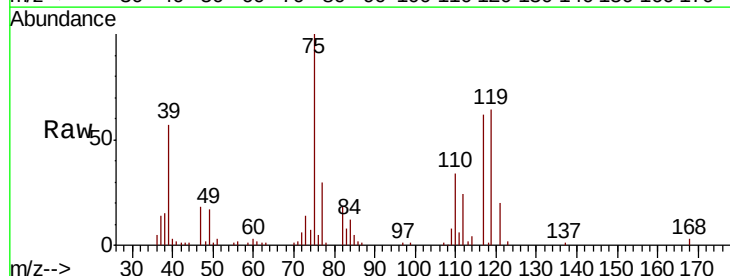
RT: 5.80 min Scan# 762

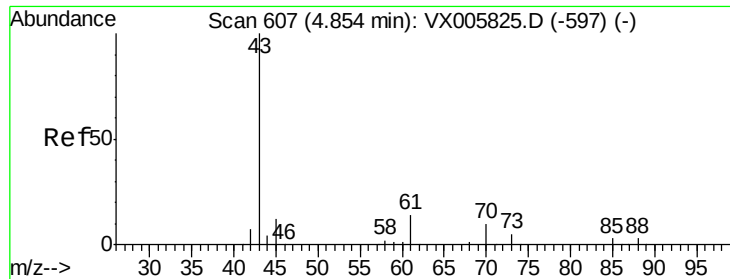
Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Tgt Ion:	75	Resp:	30620
Ion Ratio	Lower	Upper	
75	100		
110	36.4	17.4	52.2
77	32.3	25.8	38.6





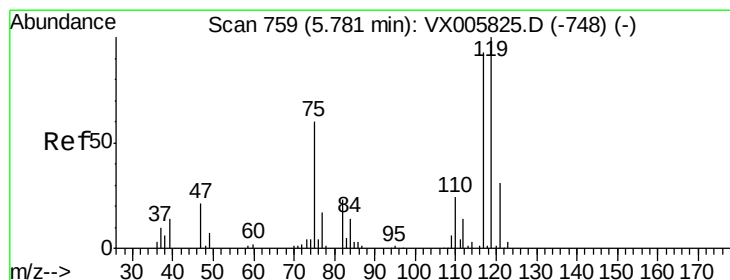
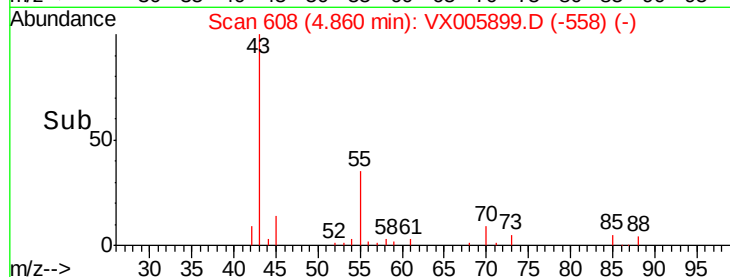
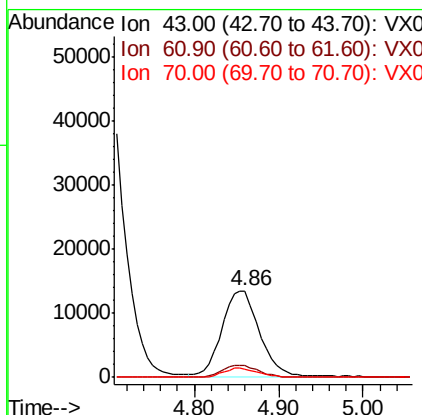
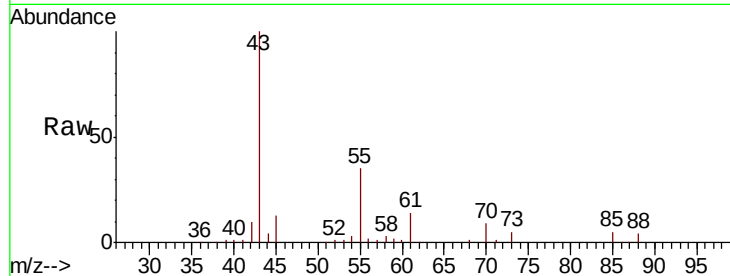
#37
Ethyl Acetate
Concen: 18.516 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.8	16.2
70	10.0	7.8	11.8

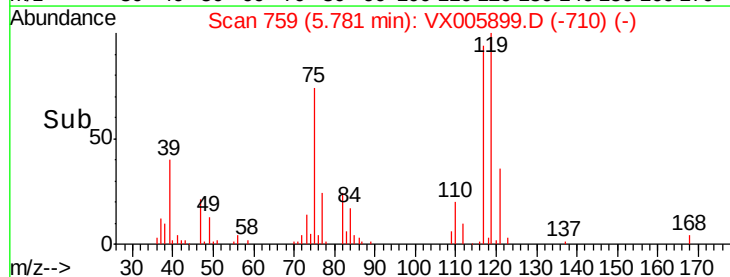
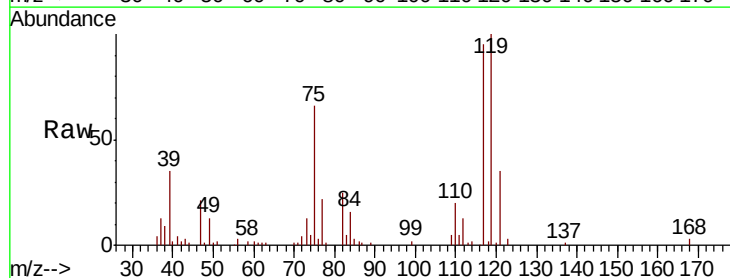
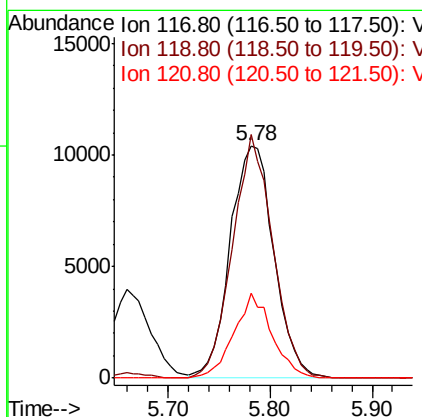
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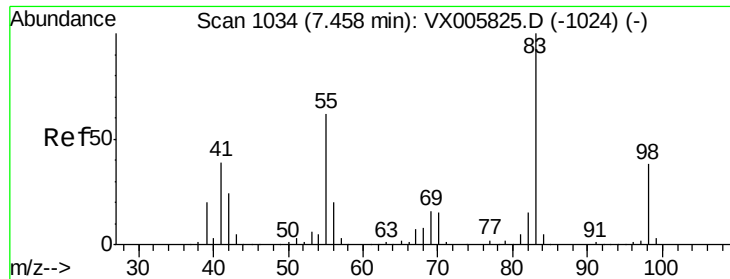
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#38
Carbon Tetrachloride
Concen: 18.417 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.8	78.1	117.1
121	36.7	24.6	36.8





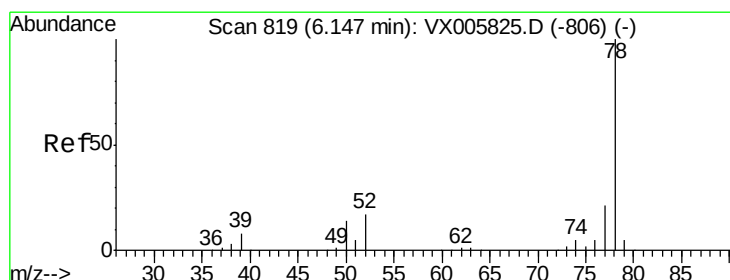
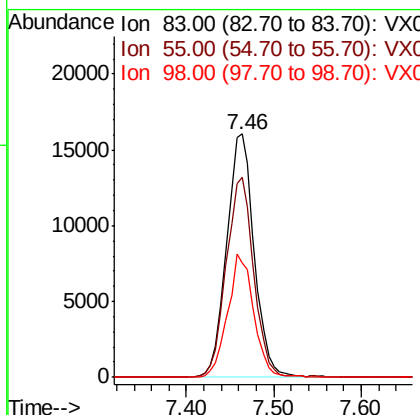
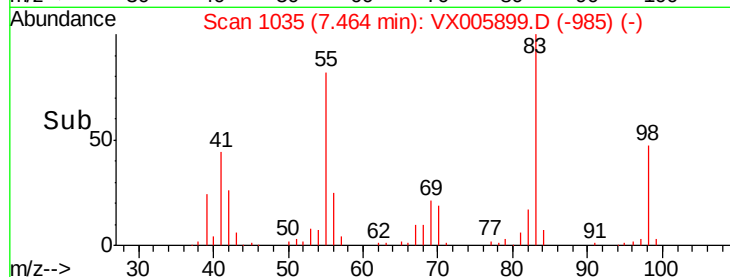
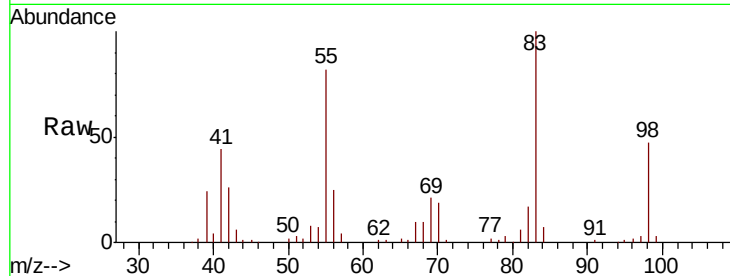
#39
Methylvlcyclohexane
Concen: 20.611 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	63.7	95.5
98	47.1	36.2	54.2

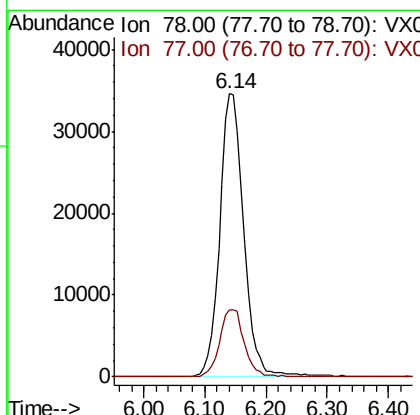
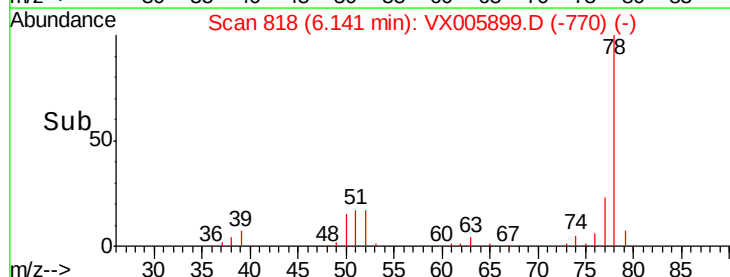
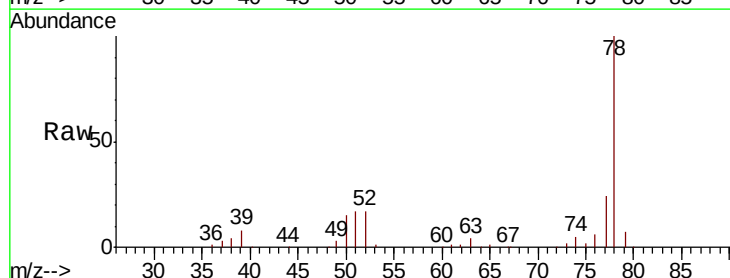
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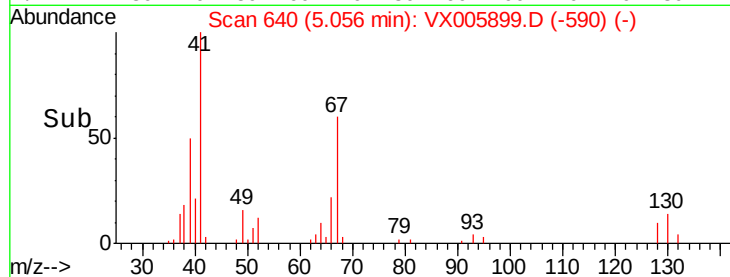
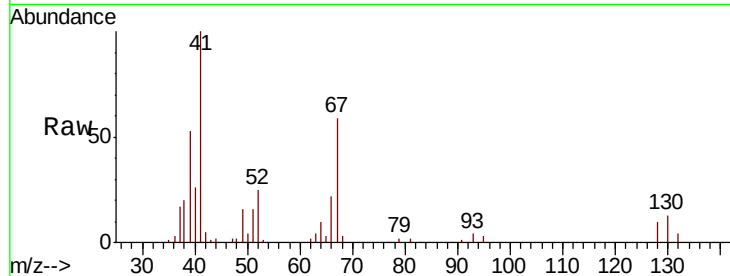
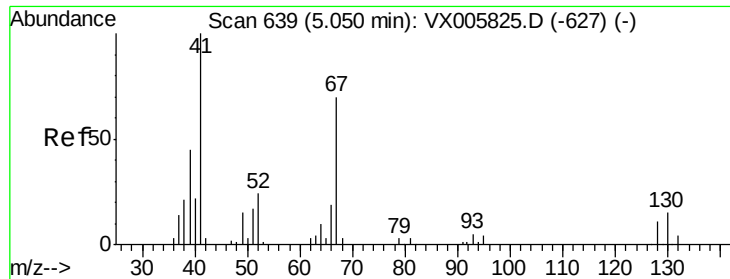
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#40
Benzene
Concen: 19.236 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.4	27.6





#41

Methacrylonitrile

Concen: 19.430 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Tot Ion:	41	Resp:	23193
Ion Ratio	Lower	Upper	
41	100		
39	53.3	42.2	63.2
67	66.6	53.4	80.0
52	26.9	23.4	35.2

Instrument :

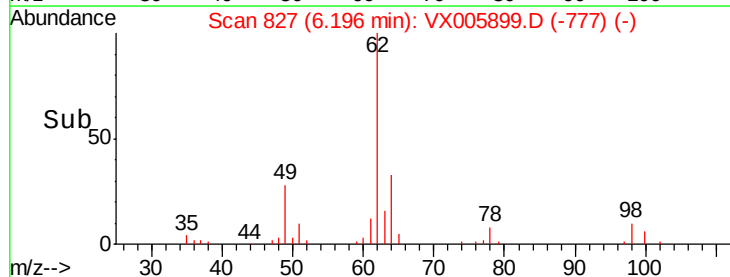
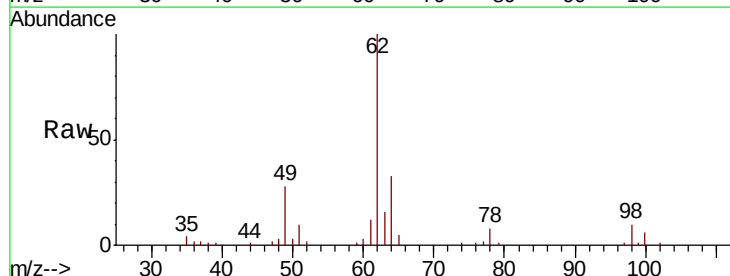
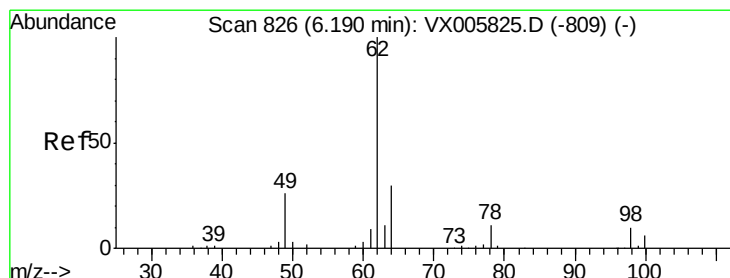
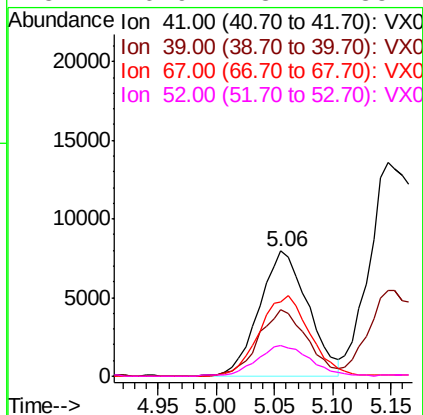
MSVOA_X

ClientSampleId :

VX1112MBS01

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#42

1,2-Dichloroethane

Concen: 19.310 ug/l

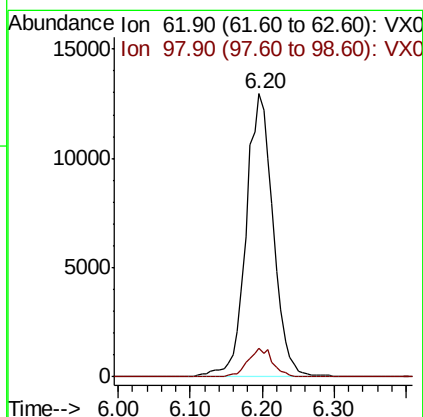
RT: 6.20 min Scan# 827

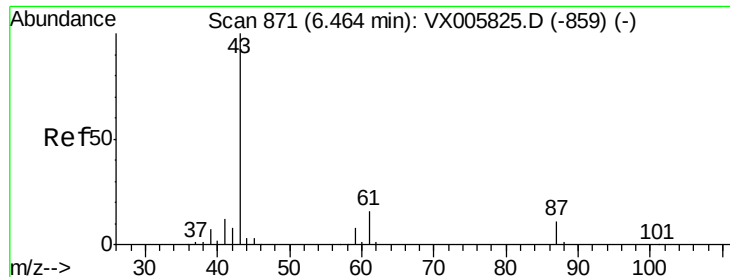
Delta R.T. 0.01 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Tgt Ion:	62	Resp:	33870
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.259 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

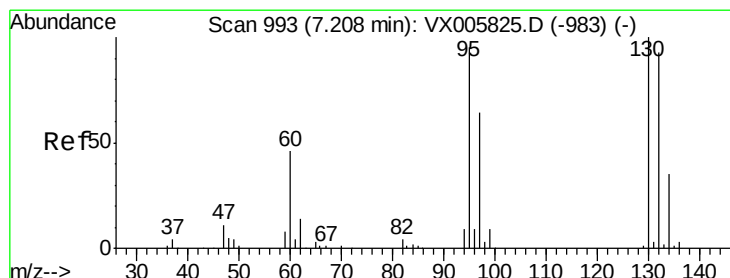
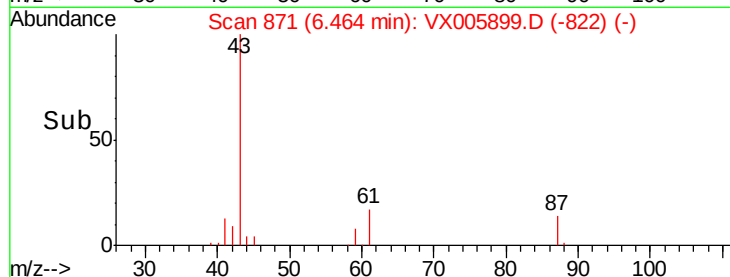
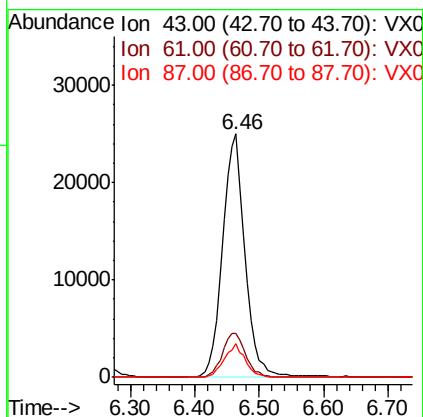
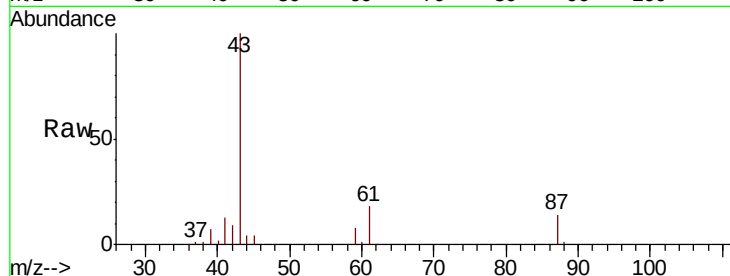
ClientSampleId :

VX1112MBS01

Tot Ion:	43	Resp:	61646
Ion	Ratio	Lower	Upper
43	100		
61	18.8	14.6	22.0
87	12.8	9.6	14.4

Manual Integrations
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MMDadoda
11/13/2018 11:47:00 AM



#44

Trichloroethene

Concen: 20.359 ug/l

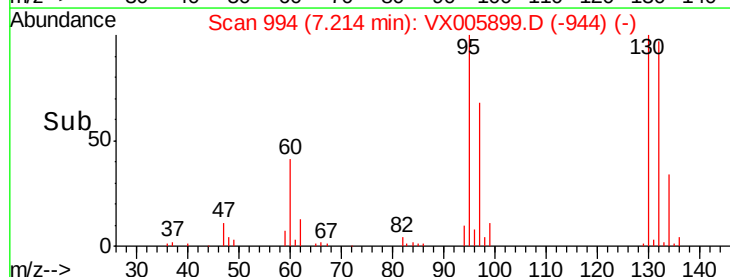
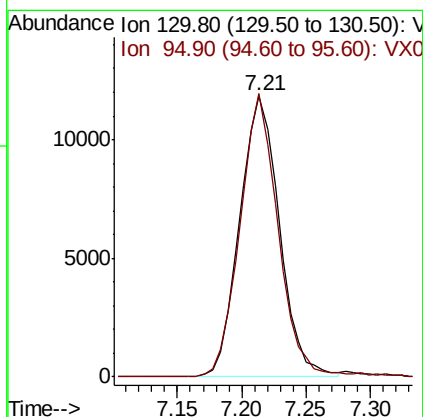
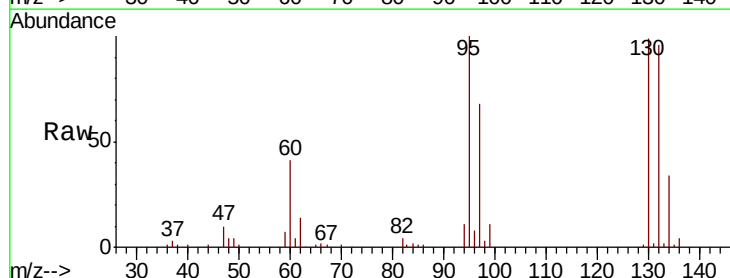
RT: 7.21 min Scan# 994

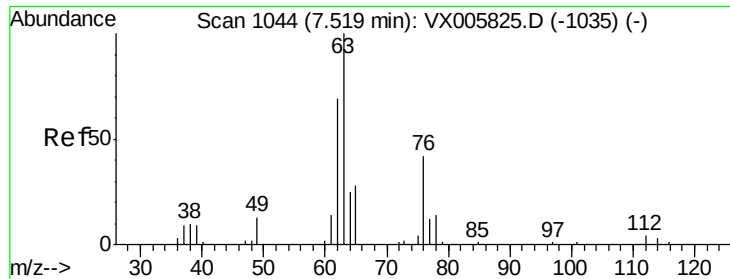
Delta R.T. 0.01 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Tgt Ion:	130	Resp:	25320
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	194.2





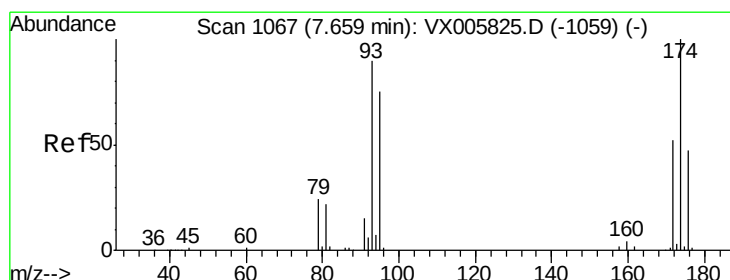
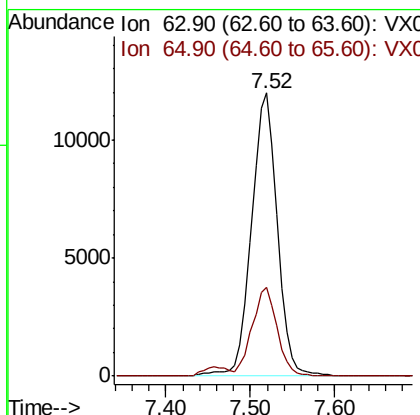
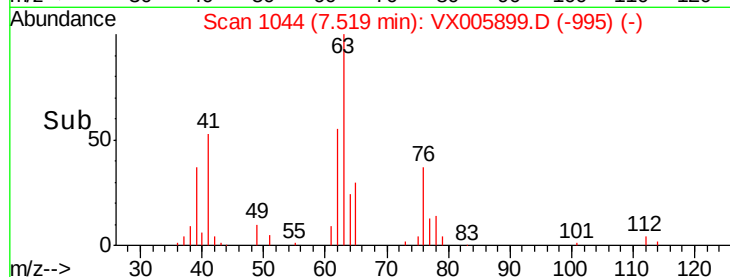
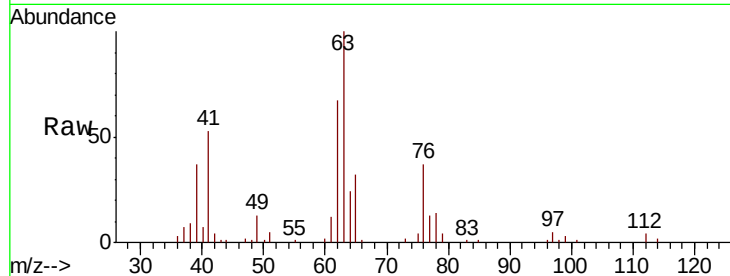
#45
 1,2-Dichloropropane
 Concen: 20.937 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112MBS01

Tot Ion: 63 Resp: 24886
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.8 37.2

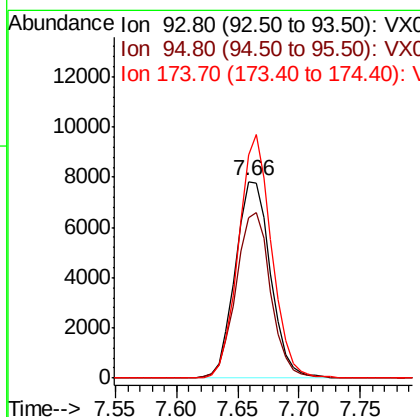
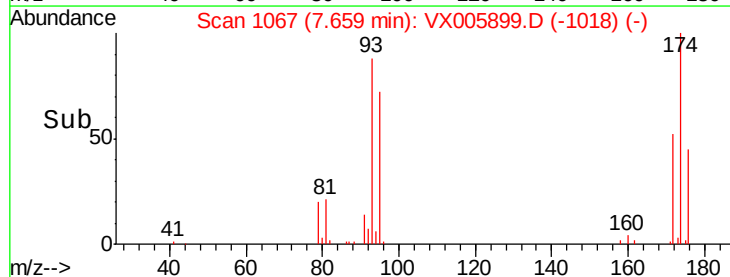
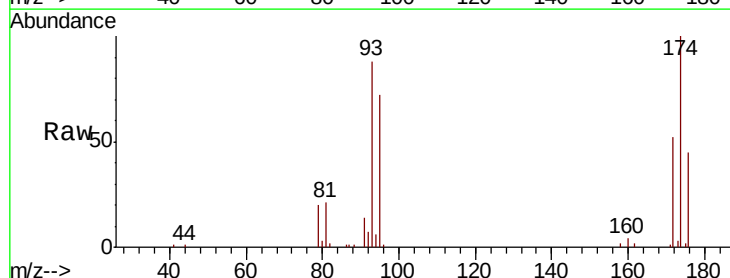
Manual Integrations
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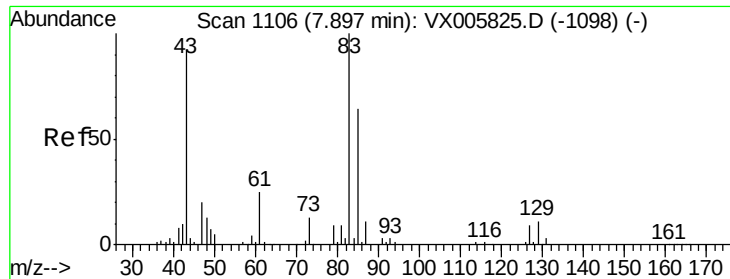
MMDadoda
 11/13/2018 11:47:00 AM



#46
 Dibromomethane
 Concen: 20.977 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Tgt Ion: 93 Resp: 15646
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.4 101.0
 174 116.1 91.5 137.3





#47

Bromodichloromethane

Concen: 21.246 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

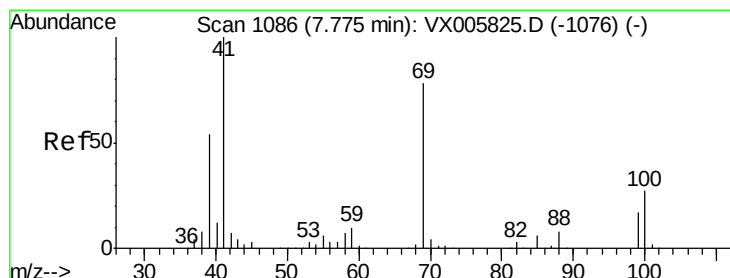
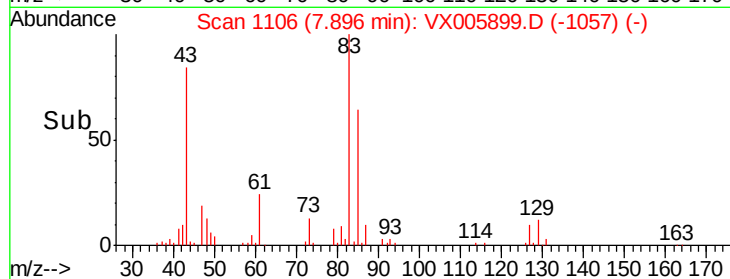
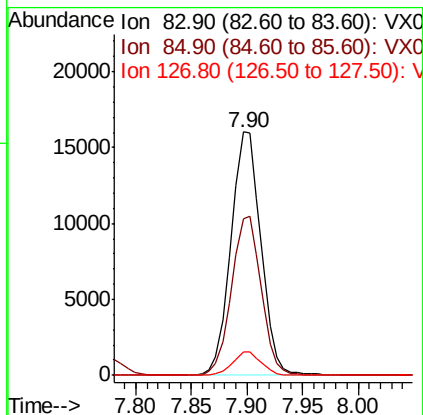
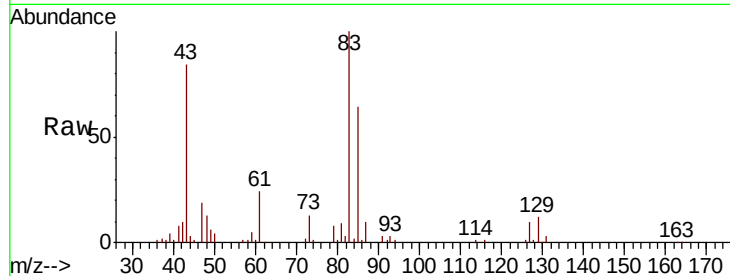
ClientSampleId :

VX1112MBS01

Tot Ion:	83	Resp:	29948
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.2	75.4
127	9.5	6.9	10.3

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#48

Methyl methacrylate

Concen: 21.641 ug/l

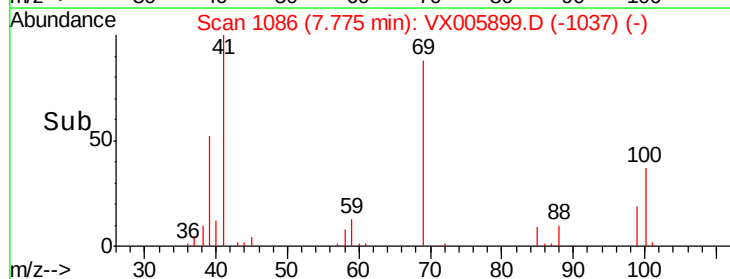
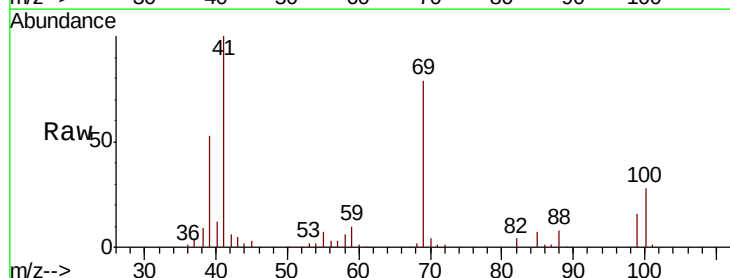
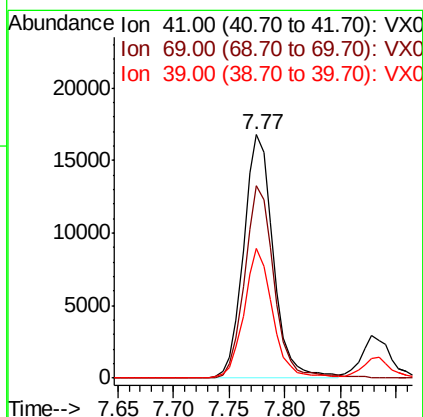
RT: 7.77 min Scan# 1086

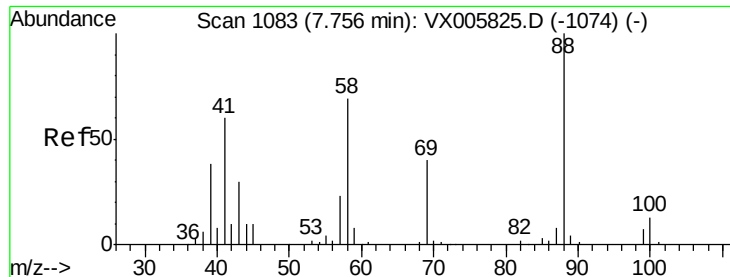
Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Tgt Ion:	41	Resp:	31105
Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.2	94.8
39	51.1	42.2	63.2





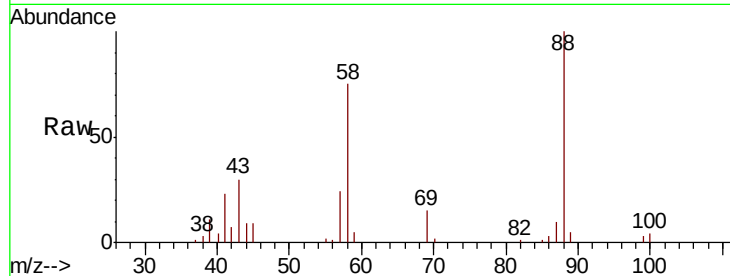
#49
1,4-Dioxane
Concen: 404.502 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	27.4	41.0
58	73.8	59.4	89.2

Manual Integrations
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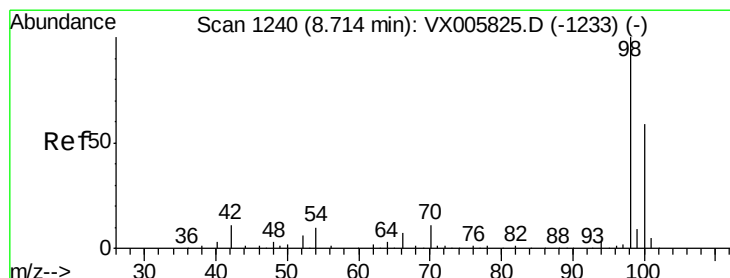
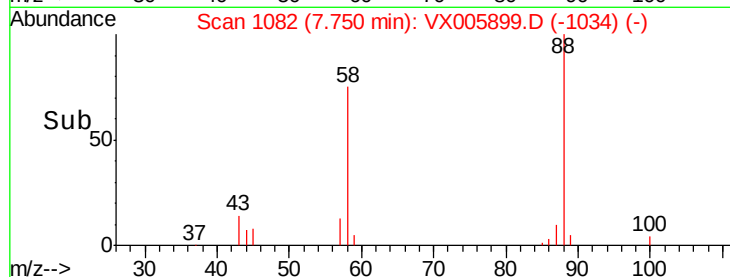
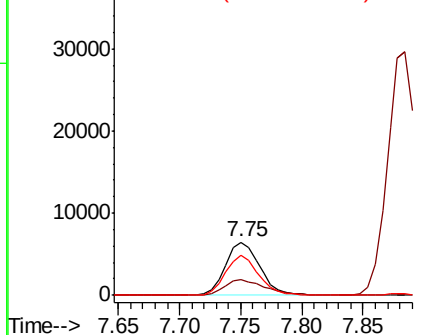


Abundance

Ion 88.00 (87.70 to 88.70): VX0

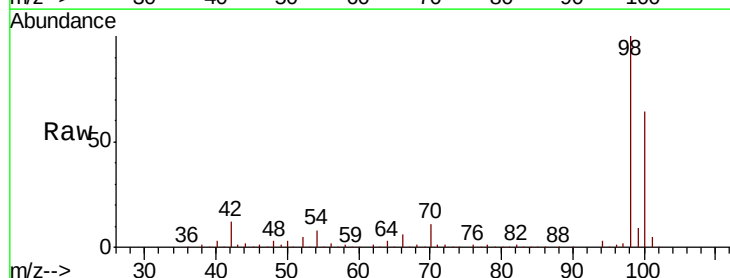
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 53.949 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

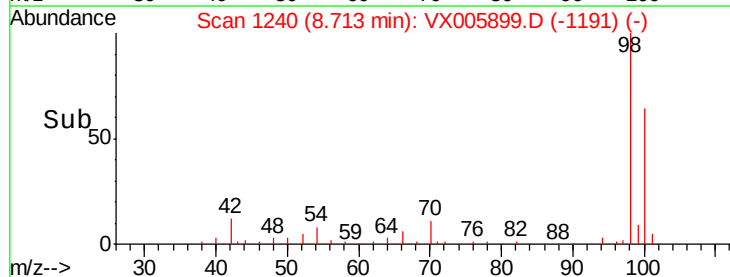
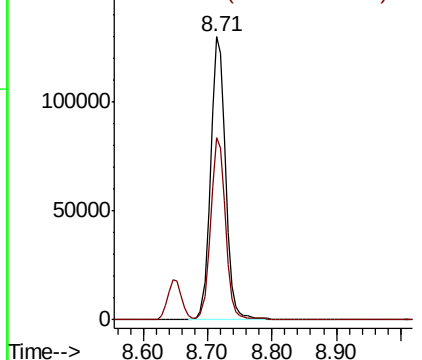
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.3	76.9

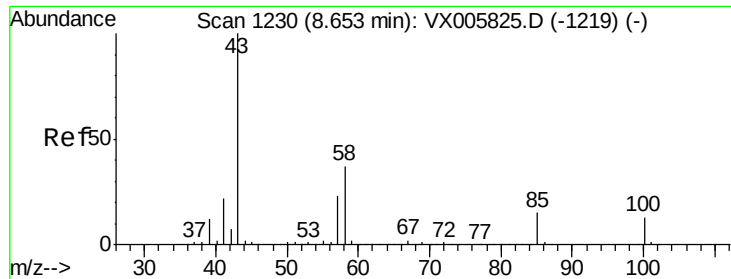


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 104.675 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion: 43 Resp: 211167

Ion Ratio Lower Upper

43 100

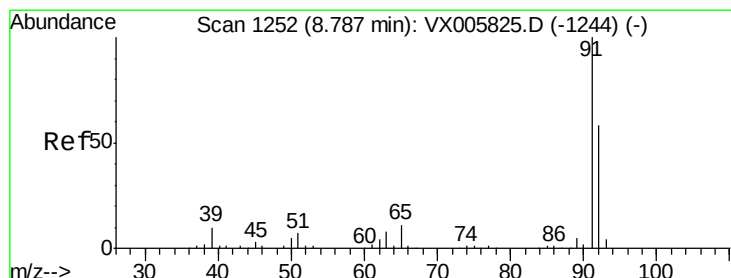
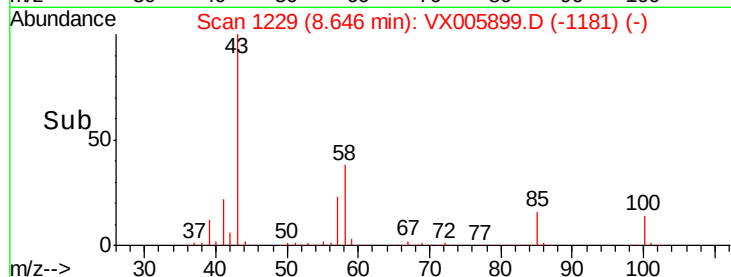
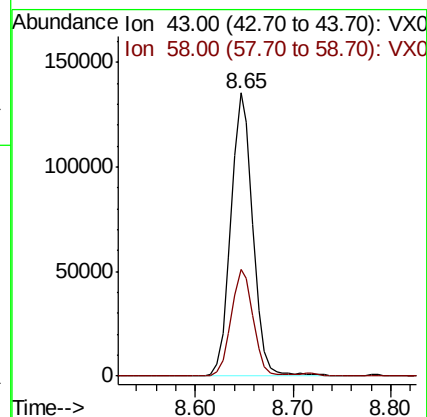
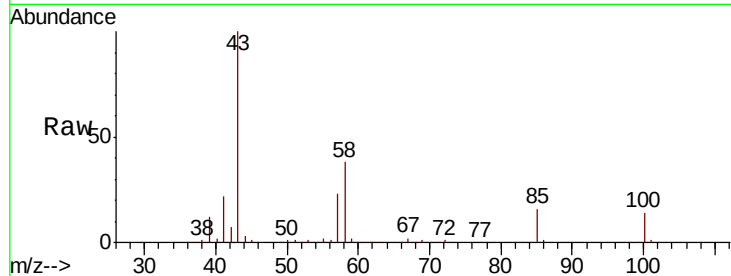
58 37.5 29.7 44.5

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#52

Toluene

Concen: 20.907 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005899.D

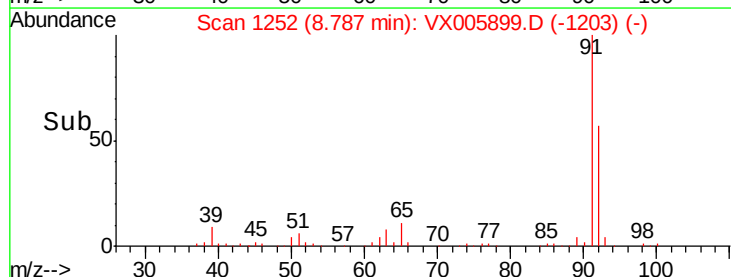
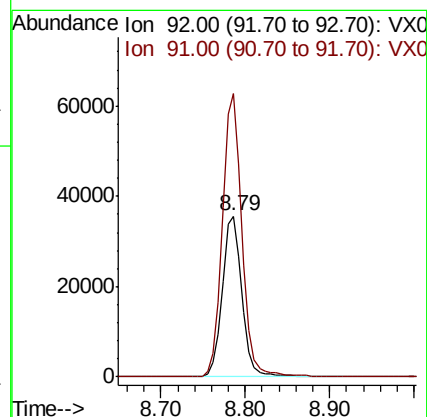
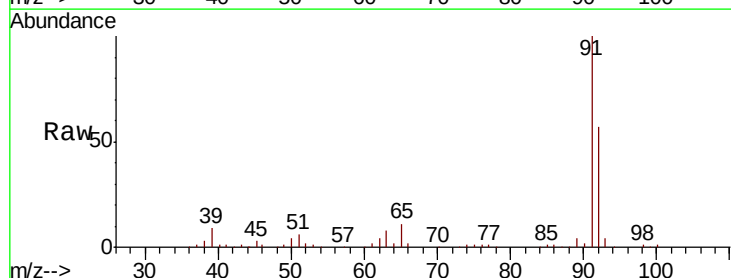
Acq: 12 Nov 2018 14:41

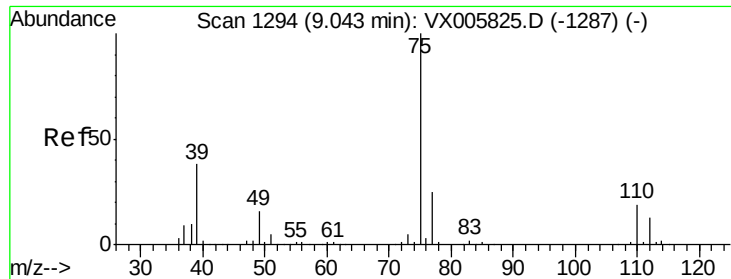
Tgt Ion: 92 Resp: 57221

Ion Ratio Lower Upper

92 100

91 176.0 140.4 210.6





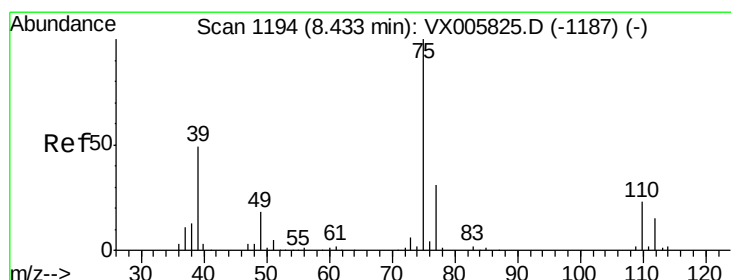
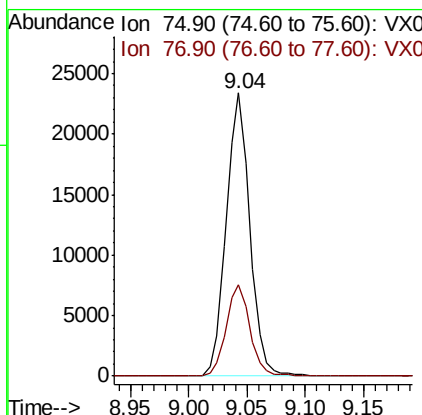
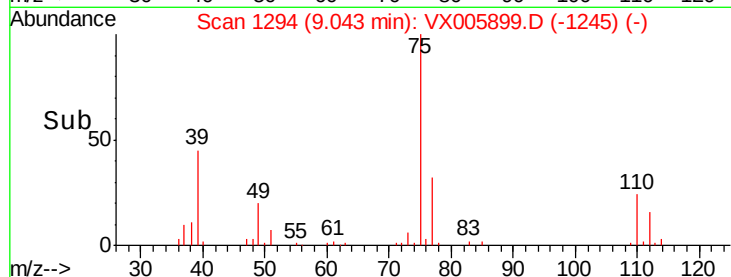
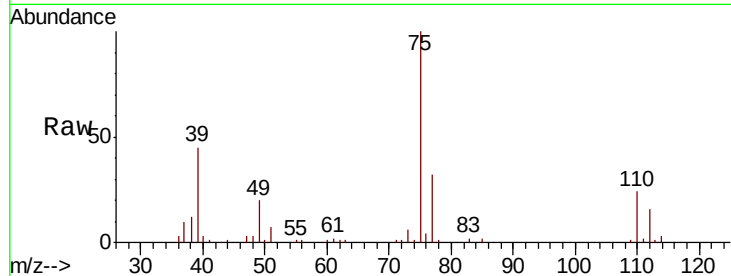
#53
 t-1,3-Dichloropropene
 Concen: 19.821 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1112MBS01

Tot Ion: 75 Resp: 32971
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2

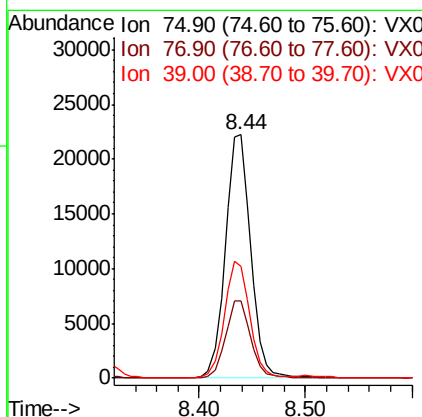
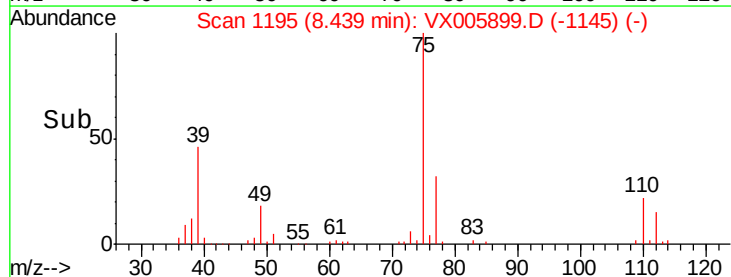
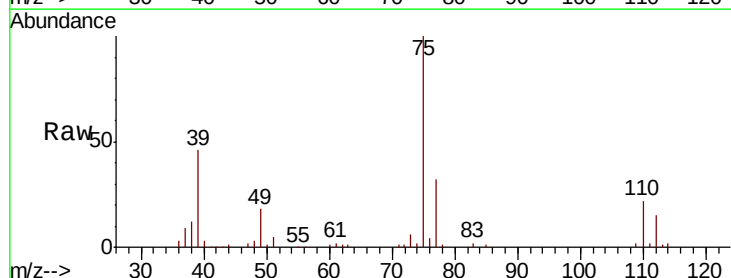
Manual Integrations
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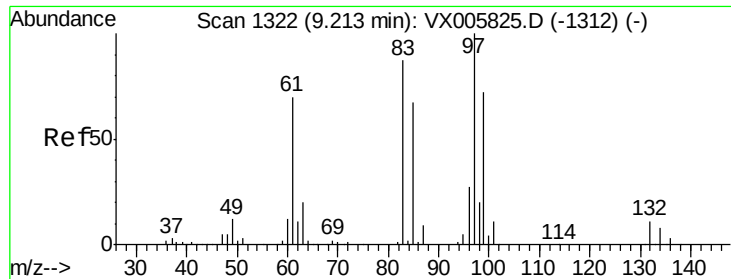
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 21.781 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Tgt Ion: 75 Resp: 36929
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8
 39 45.8 38.2 57.2





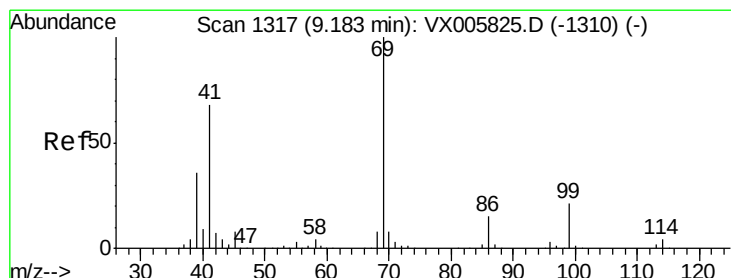
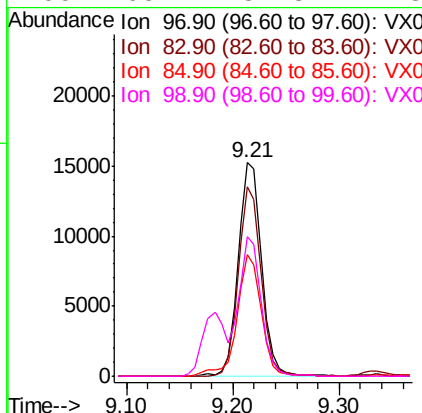
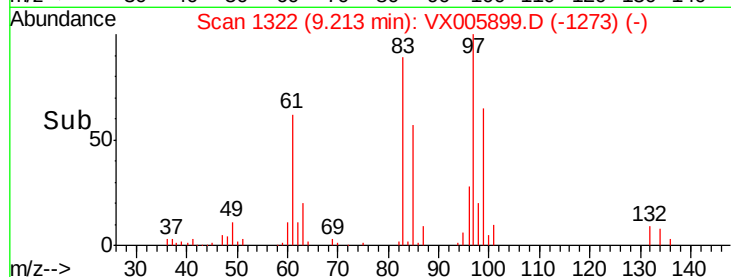
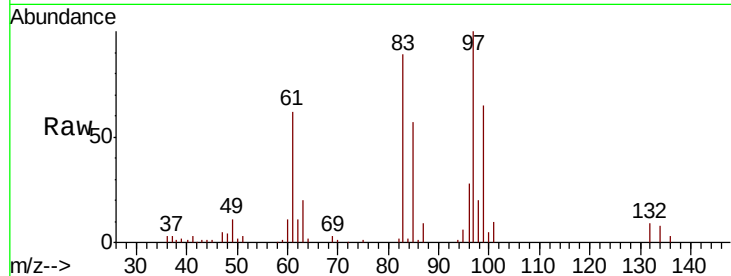
#55
 1,1,2-Trichloroethane
 Concen: 19.329 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112MBS01

Tot Ion:	97	Resp:	23578
Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.7	106.1
85	56.8	45.8	68.6
99	65.2	51.8	77.8

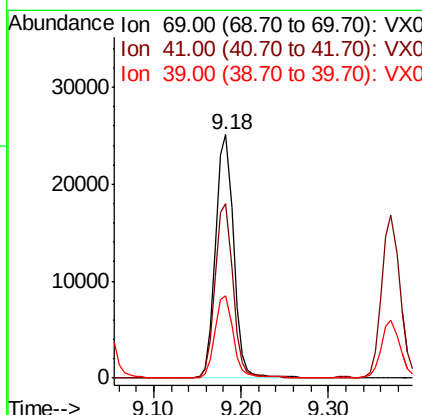
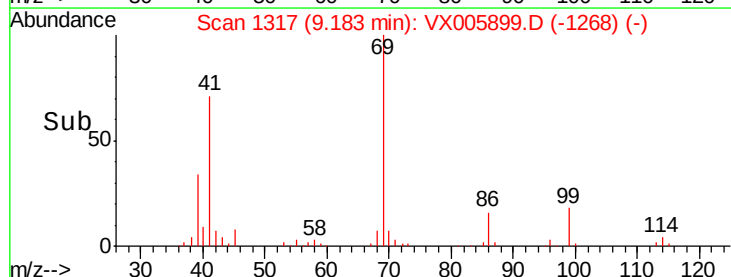
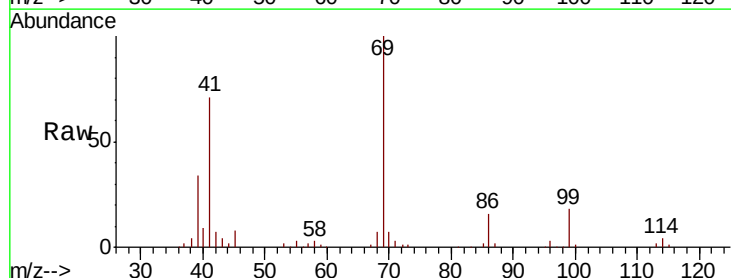
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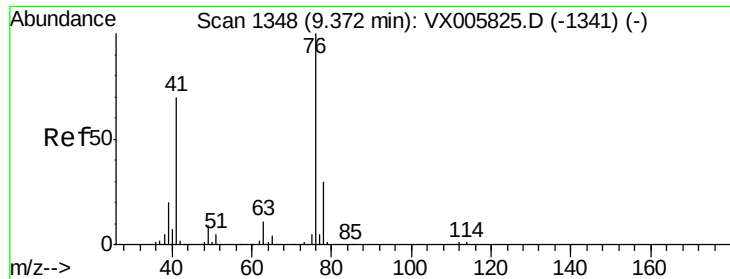
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#56
 Ethyl methacrylate
 Concen: 19.683 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Tgt Ion:	69	Resp:	35923
Ion	Ratio	Lower	Upper
69	100		
41	71.8	57.0	85.6
39	35.1	28.3	42.5





#57

1,3-Dichloropropane

Concen: 19.442 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion: 76 Resp: 39854

Ion Ratio Lower Upper

76 100

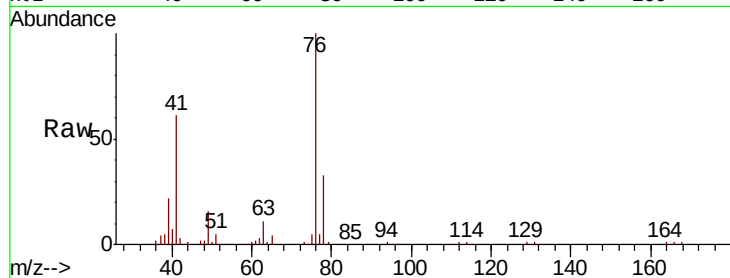
78 32.6 25.3 37.9

Manual Integrations

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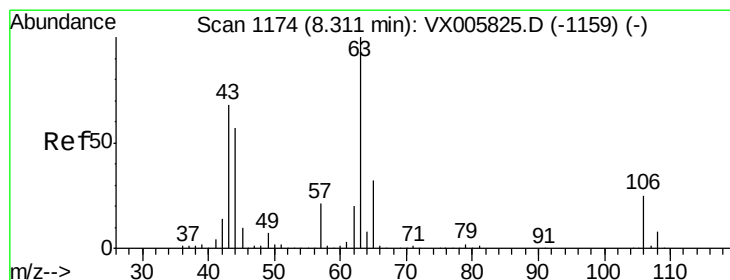
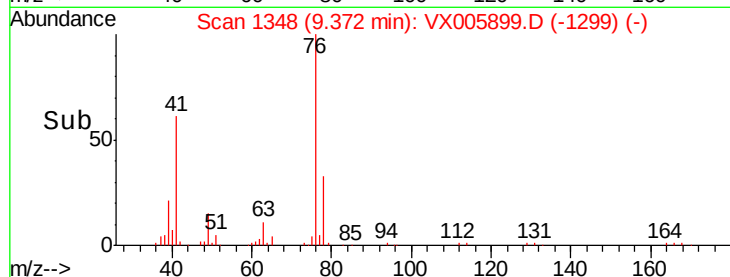
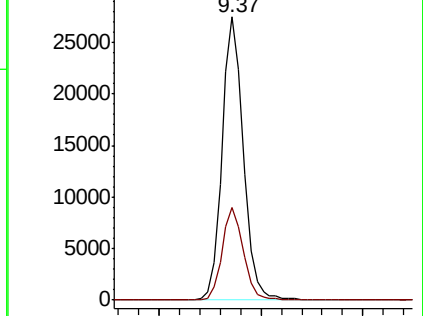
MMDadoda

11/13/2018 11:47:00 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 107.745 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX005899.D

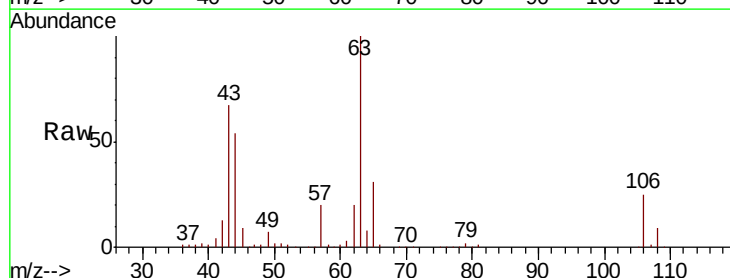
Acq: 12 Nov 2018 14:41

Tgt Ion: 63 Resp: 102309

Ion Ratio Lower Upper

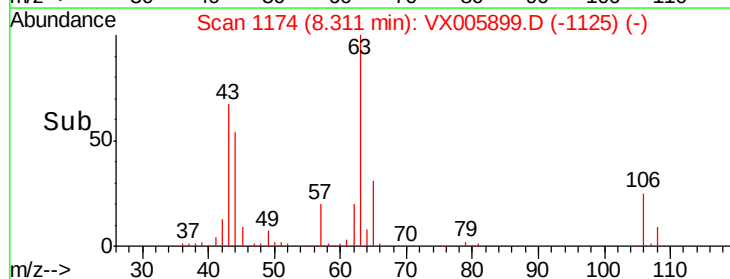
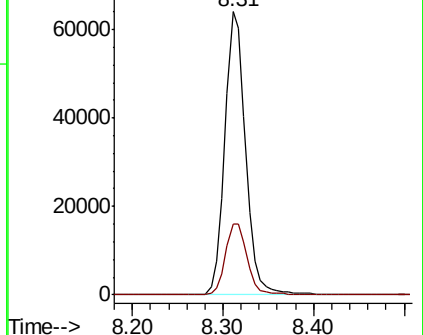
63 100

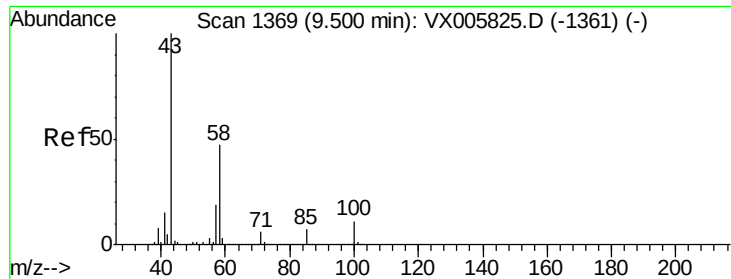
106 26.2 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





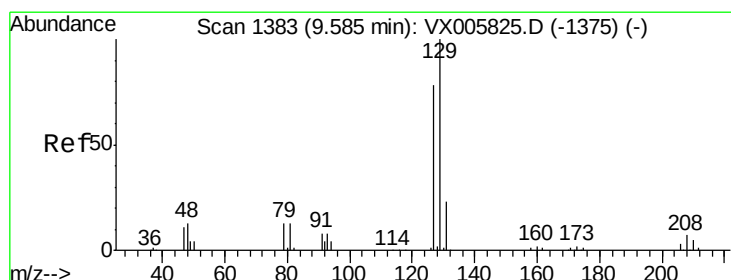
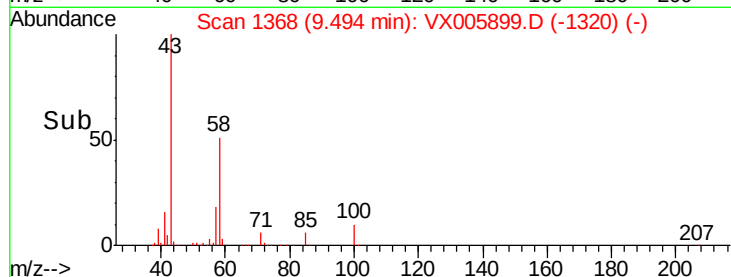
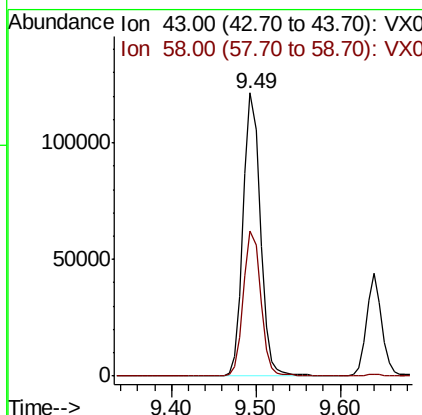
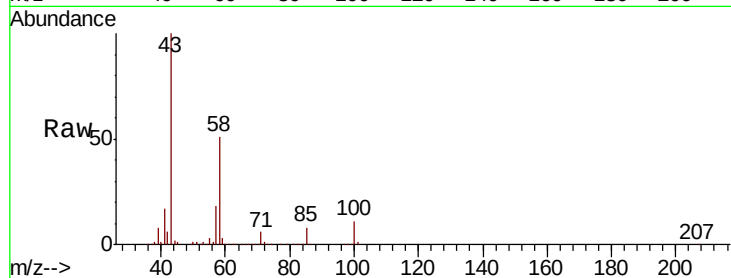
#59
2-Hexanone
Concen: 93.033 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion: 43 Resp: 165432
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.8

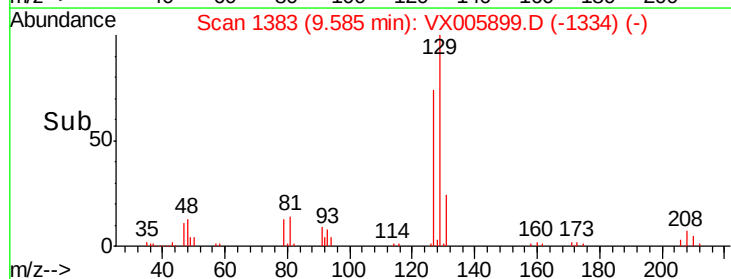
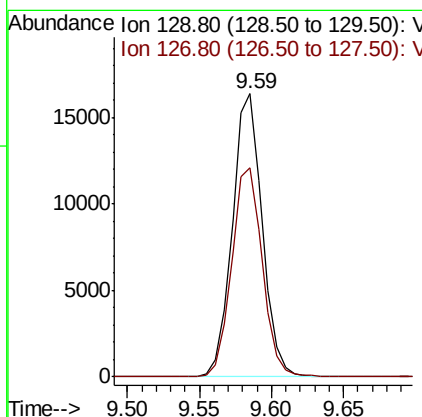
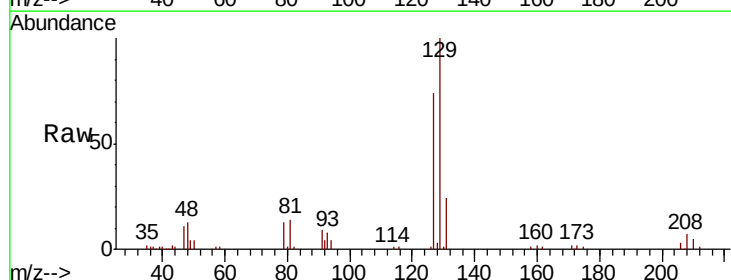
Manual Integrations
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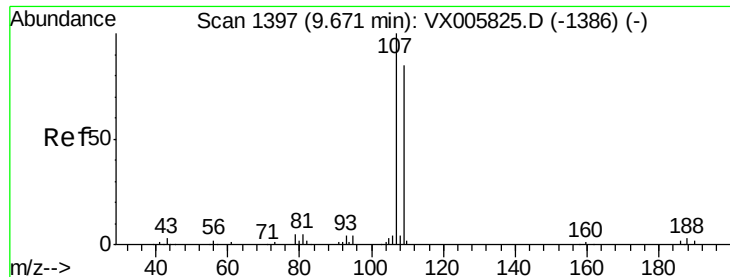
MMDadoda
11/13/2018 11:47:00 AM



#60
Dibromochloromethane
Concen: 18.007 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion: 129 Resp: 23738
Ion Ratio Lower Upper
129 100
127 75.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.099 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion:107 Resp: 24412

Ion Ratio Lower Upper

107 100

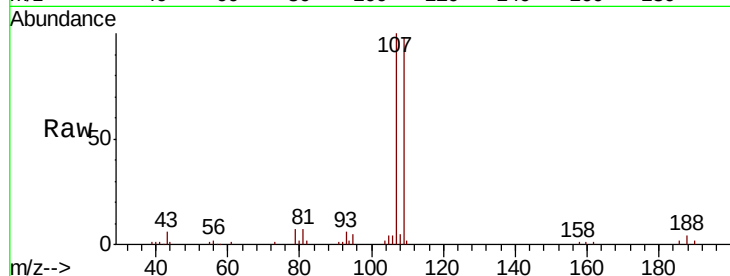
109 96.0 75.7 113.5

Manual Integrations

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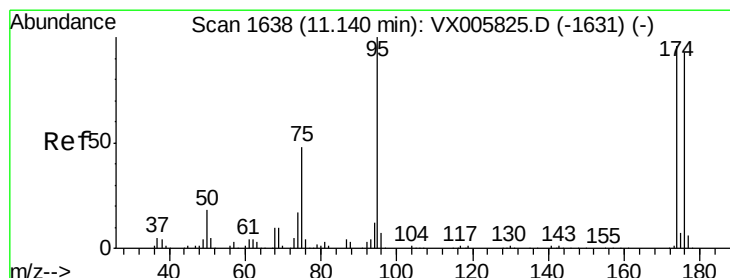
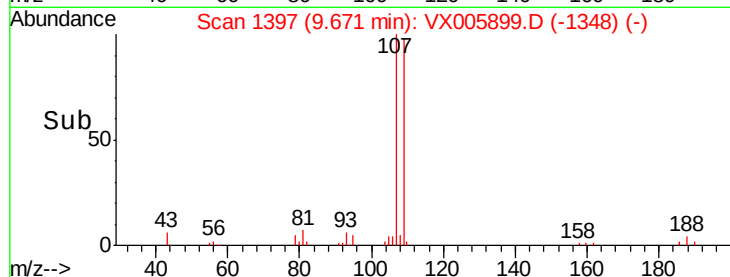
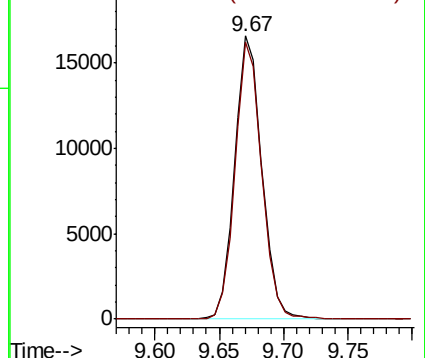
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.151 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

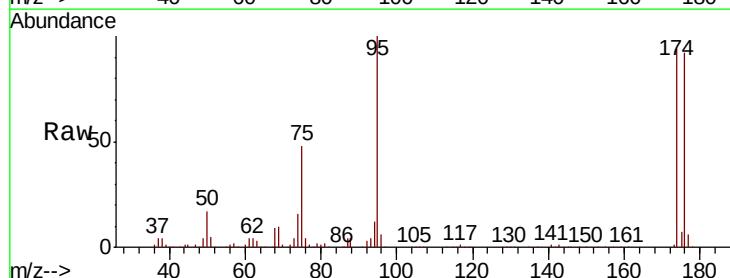
Tgt Ion: 95 Resp: 78131

Ion Ratio Lower Upper

95 100

174 91.5 0.0 184.4

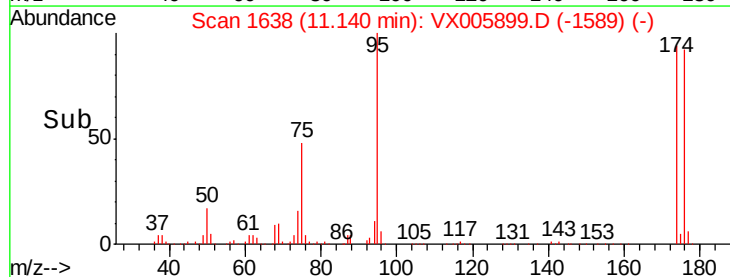
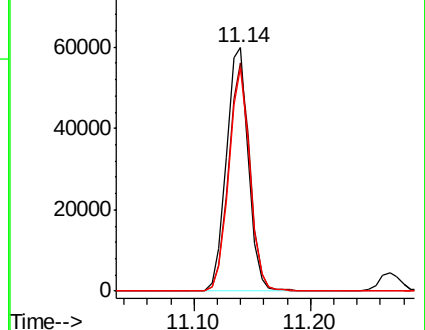
176 88.1 0.0 177.4

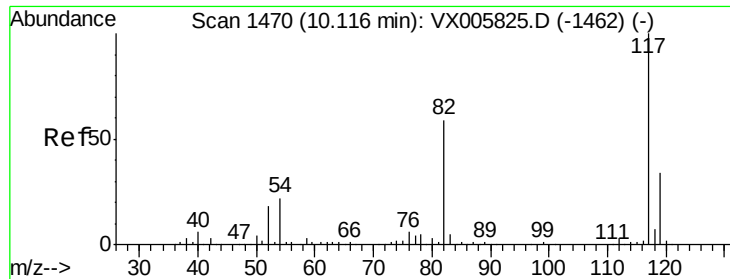


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





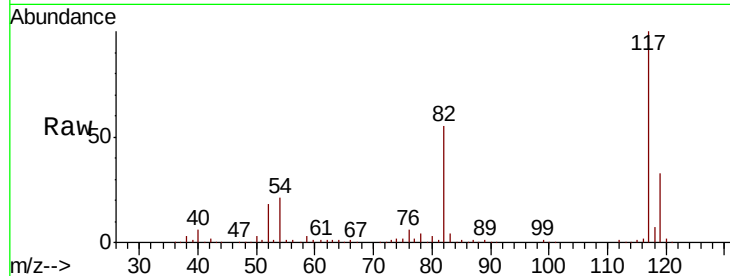
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.1	66.1
119	33.1	26.2	39.2

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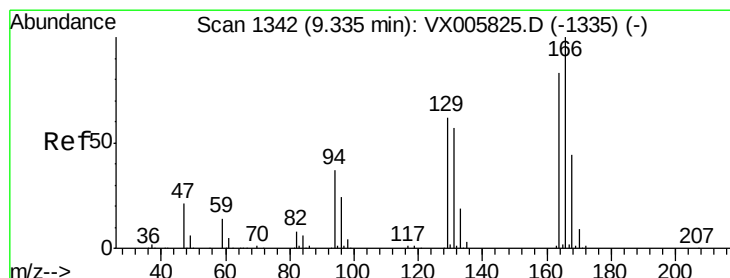
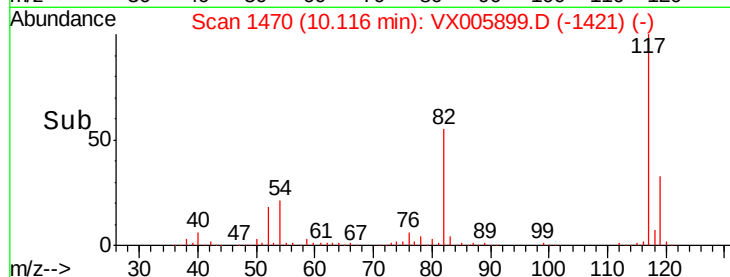
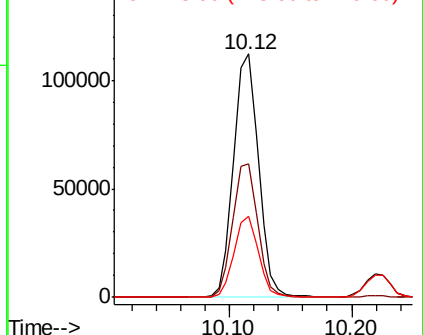


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.290 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	101.9	152.9
129	92.1	72.6	109.0
131	89.5	71.1	106.7

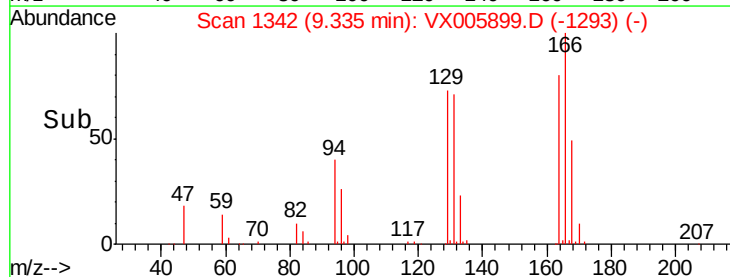
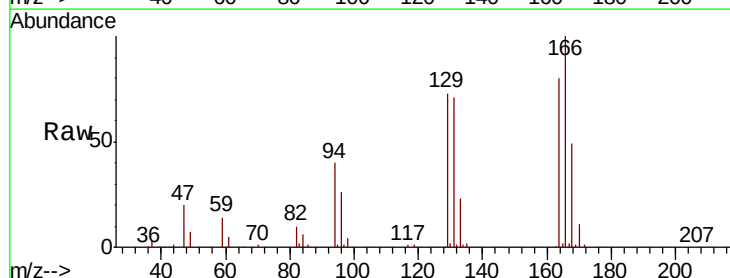
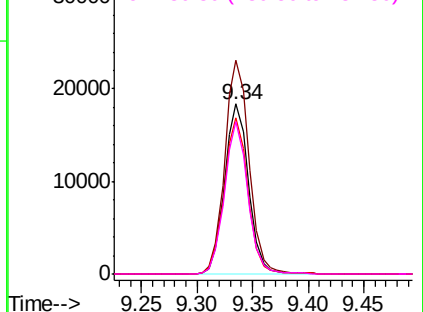
Abundance

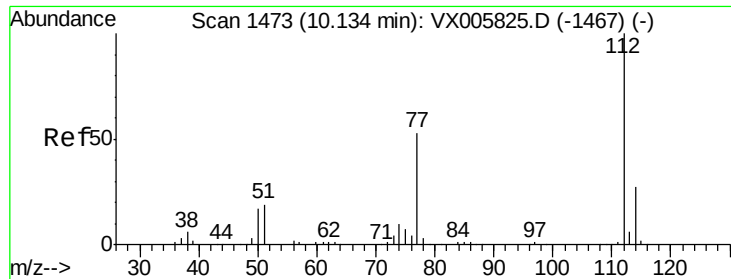
Ion 163.80 (163.50 to 164.50): V

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





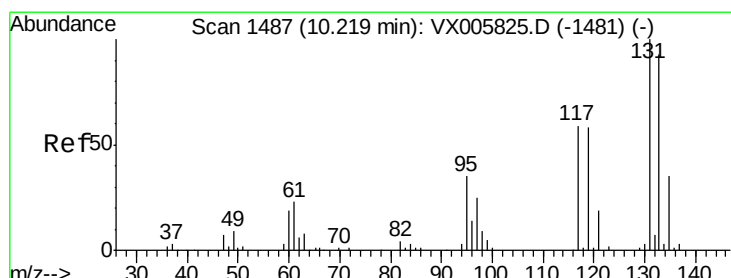
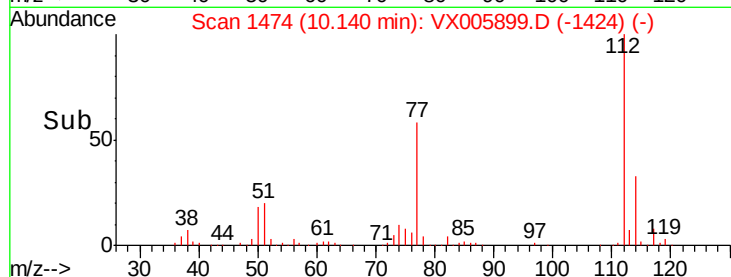
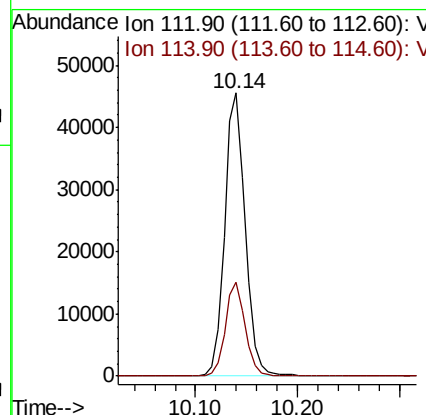
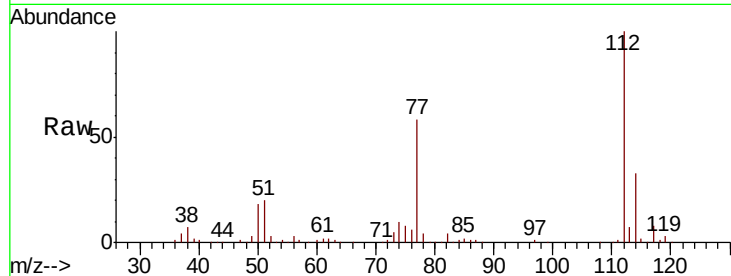
#65
Chlorobenzene
Concen: 20.096 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion:112 Resp: 63903
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.6

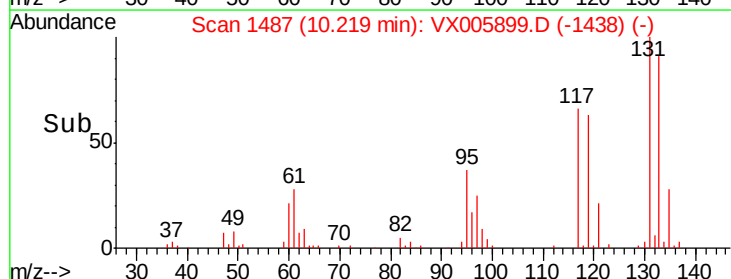
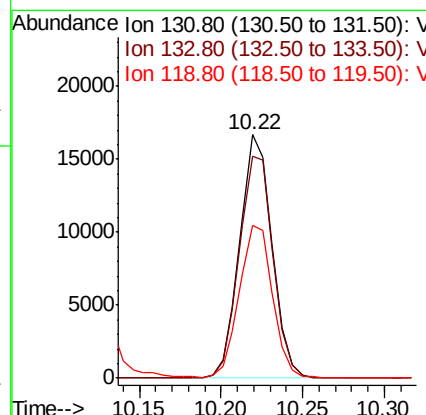
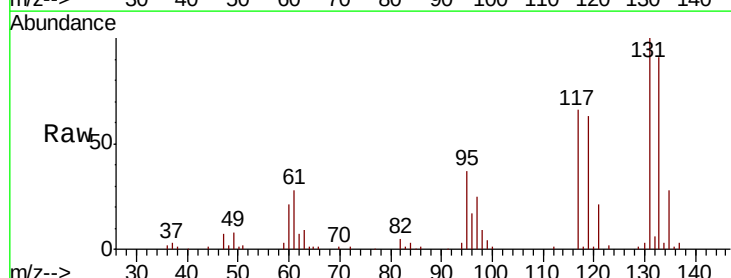
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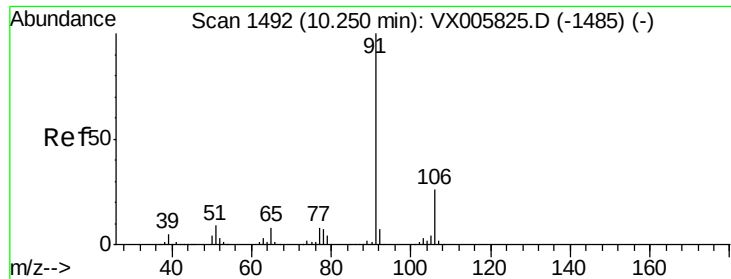
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.849 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion:131 Resp: 23049
Ion Ratio Lower Upper
131 100
133 95.4 47.5 142.5
119 64.7 31.8 95.3





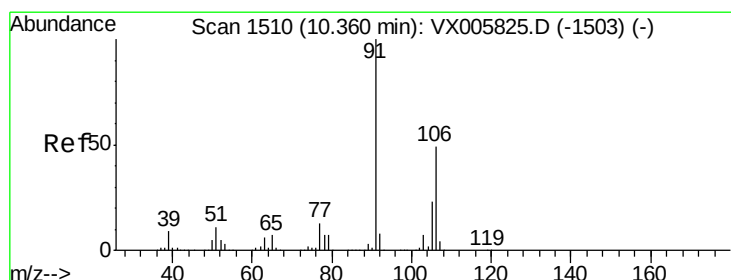
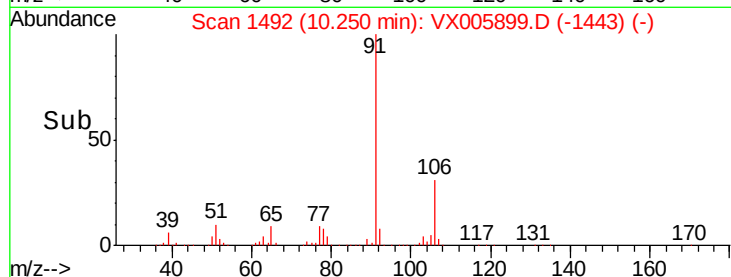
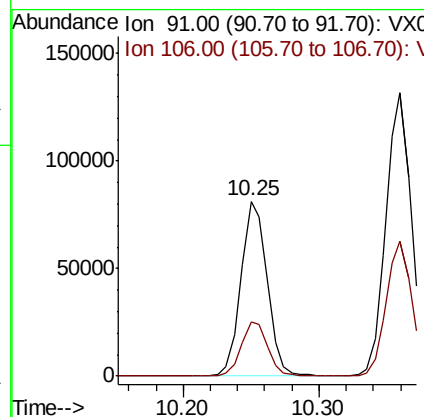
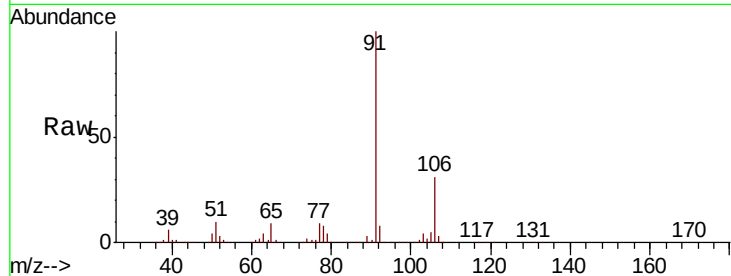
#67
Ethyl Benzene
Concen: 21.353 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.4	36.6

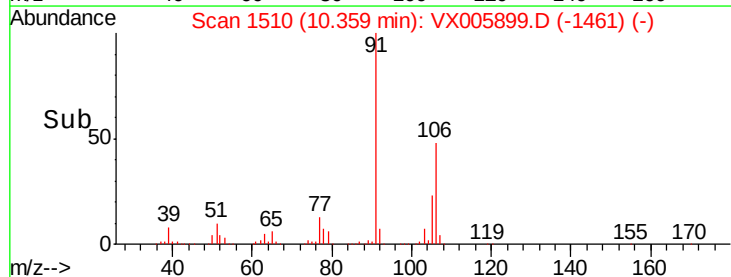
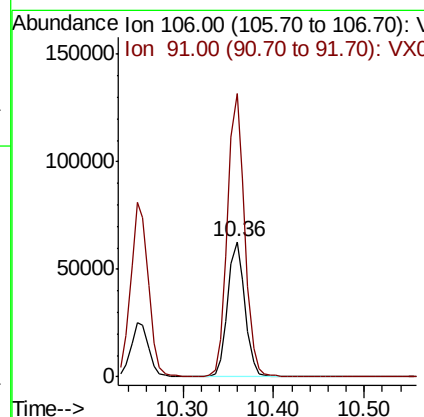
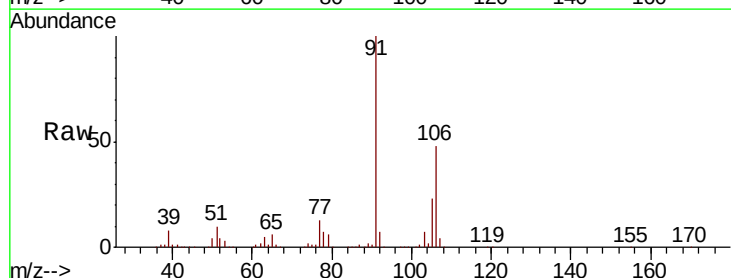
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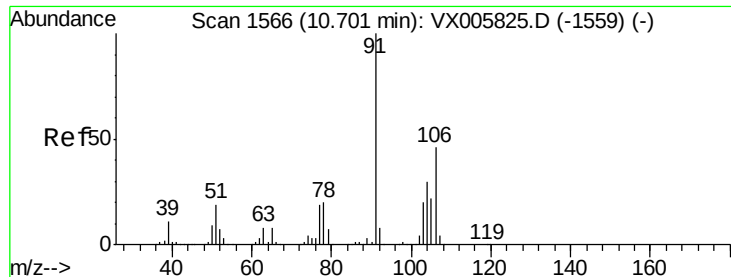
MMDadoda
11/13/2018 11:47:00 AM



#68
m/p-Xylenes
Concen: 43.074 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.0	164.2	246.4





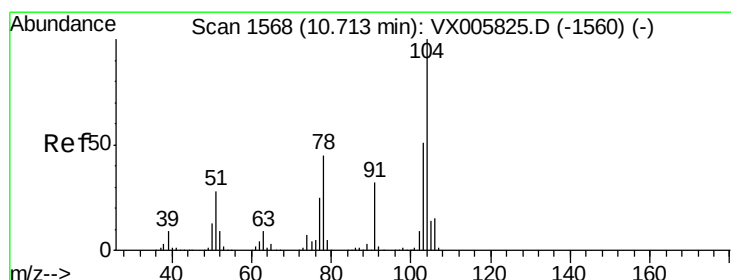
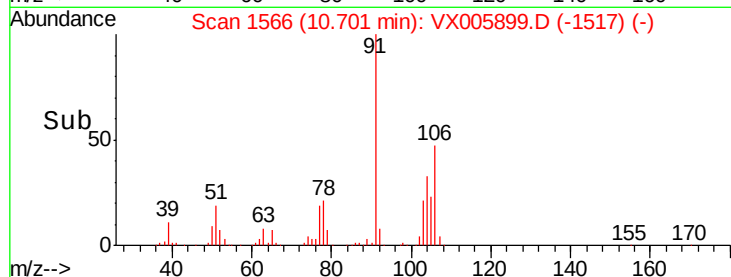
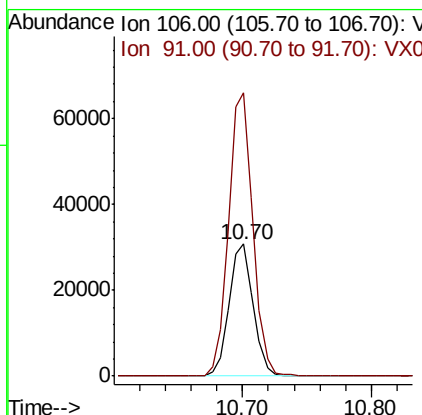
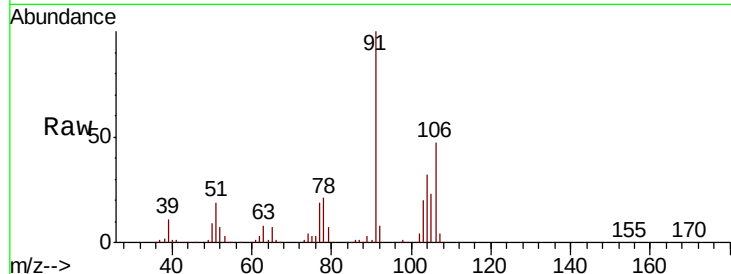
#69
o-Xylene
Concen: 23.219 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion:106 Resp: 40496
Ion Ratio Lower Upper
106 100
91 215.9 108.5 325.5

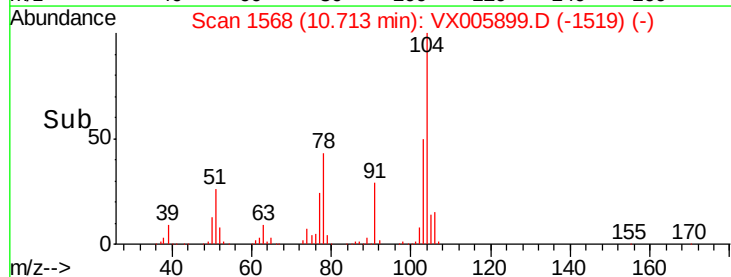
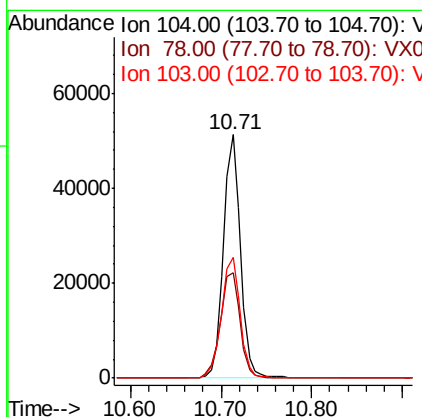
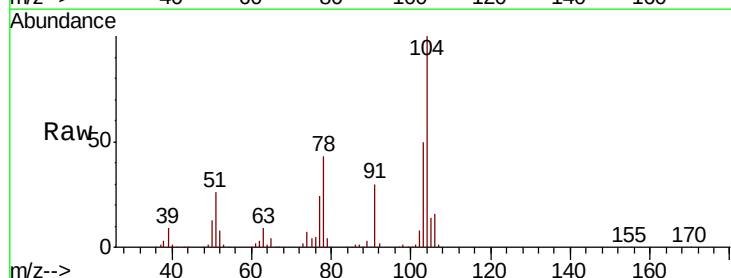
Manual Integrations
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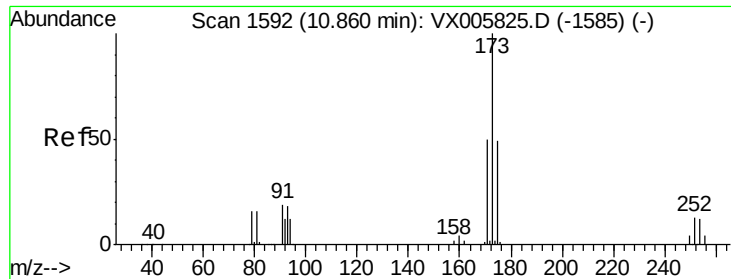
MMDadoda
11/13/2018 11:47:00 AM



#70
Styrene
Concen: 23.331 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion:104 Resp: 67123
Ion Ratio Lower Upper
104 100
78 50.5 40.2 60.4
103 55.0 44.9 67.3





#71

Bromoform

Concen: 20.428 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

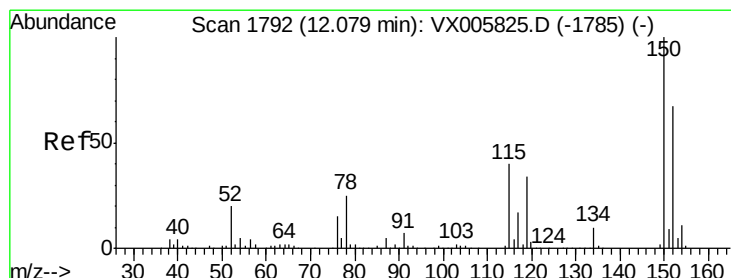
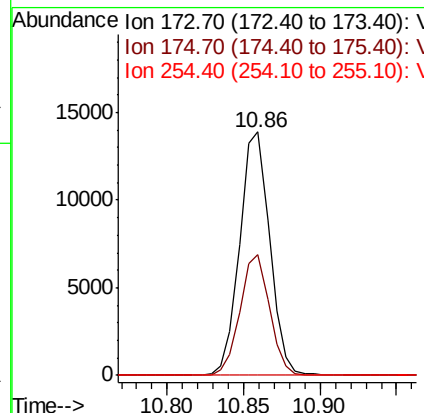
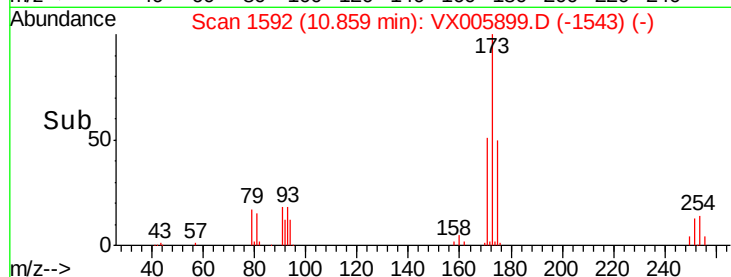
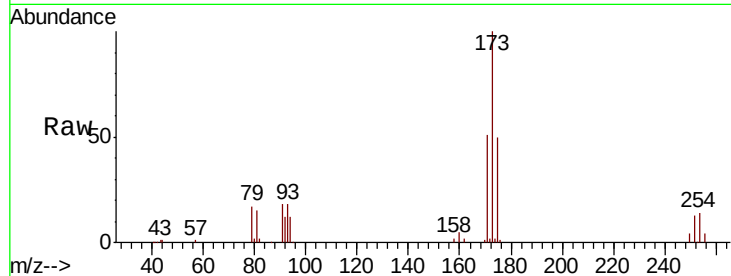
ClientSampleId :

VX1112MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

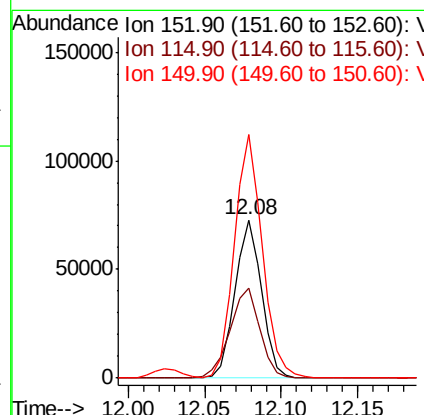
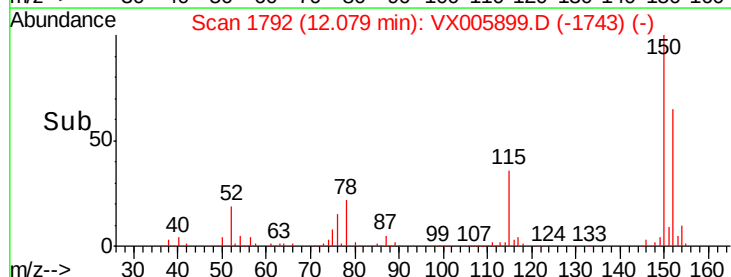
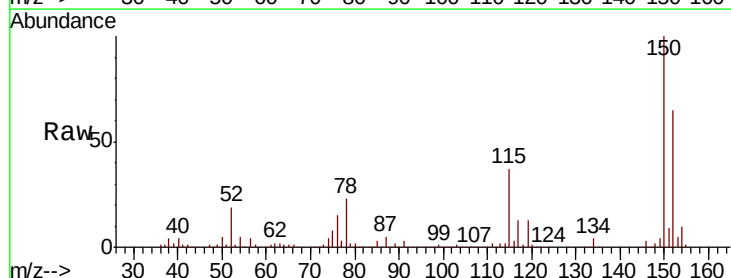
RT: 12.08 min Scan# 1792

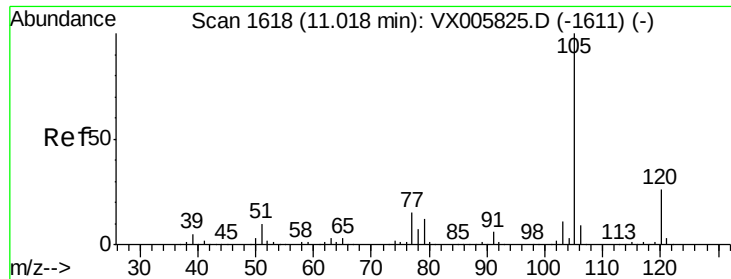
Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.2	39.4	118.1
150	161.4	0.0	346.4





#73

Isopropylbenzene

Concen: 21.885 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion: 105 Resp: 111023

Ion Ratio Lower Upper

105 100

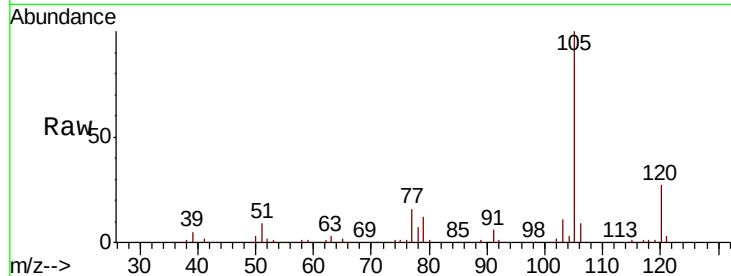
120 26.5 13.1 39.3

Manual Integrations

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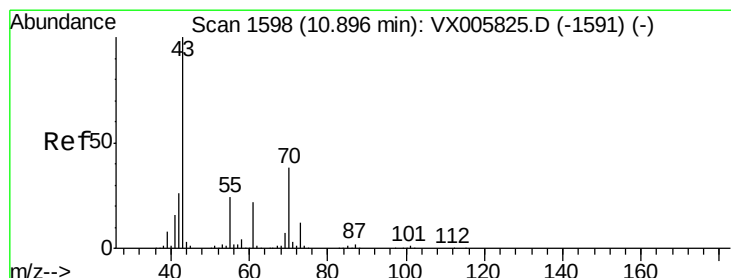
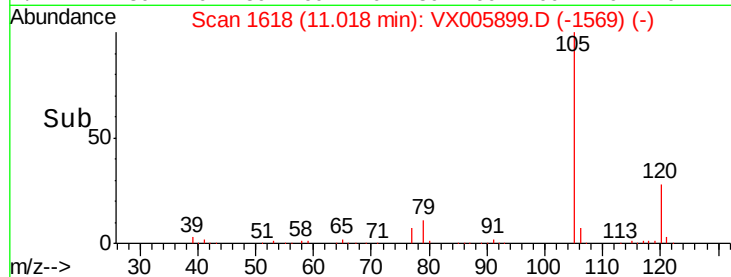
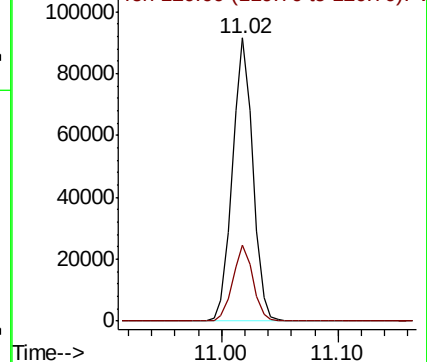
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.234 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Tgt Ion: 43 Resp: 52502

Ion Ratio Lower Upper

43 100

70 39.8 31.6 47.4

55 25.4 19.7 29.5

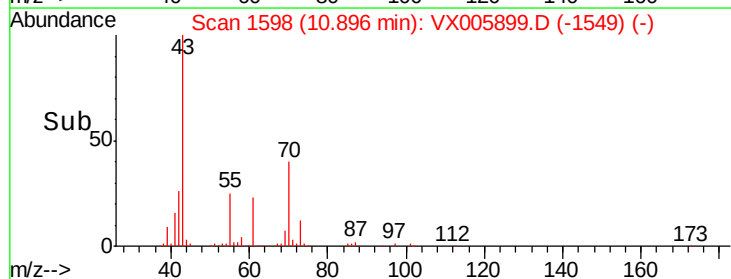
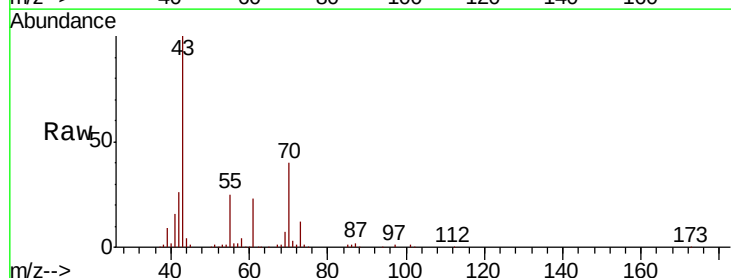
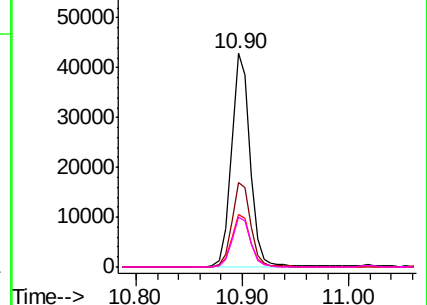
61 23.1 18.3 27.5

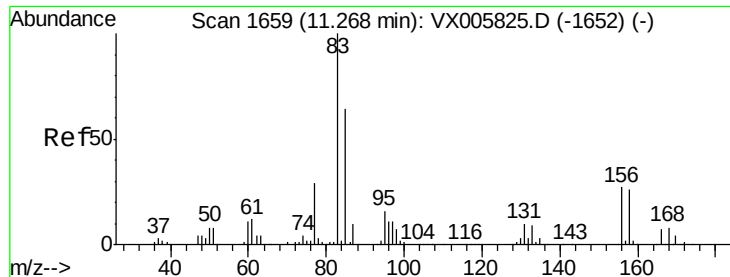
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.871 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

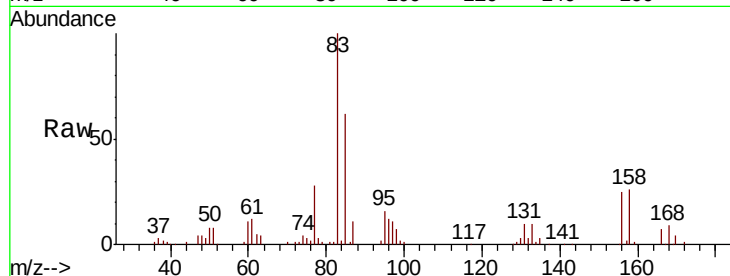
ClientSampleId :

VX1112MBS01

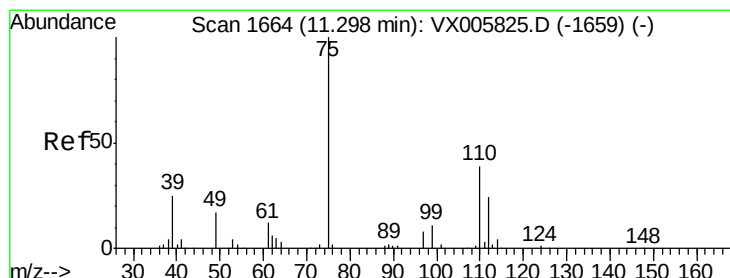
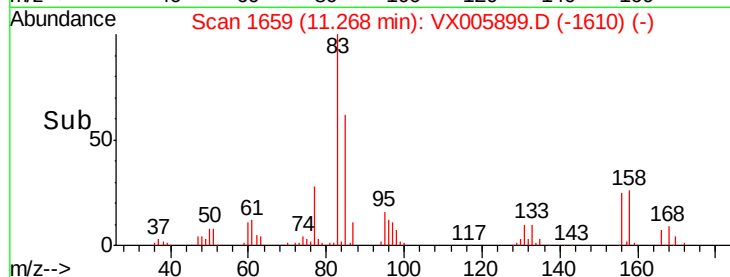
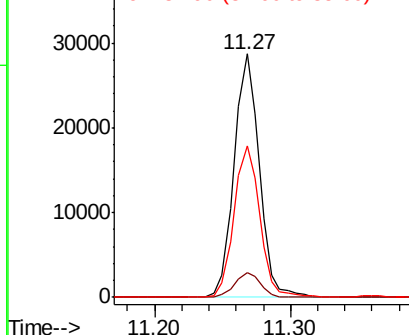
Tot Ion:	83	Resp:	37001
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.9
85	63.9	32.0	96.2

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.989 ug/l m

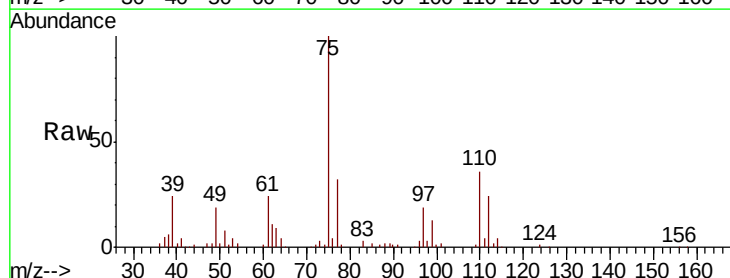
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

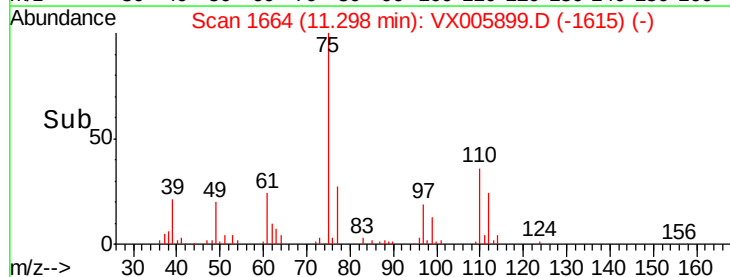
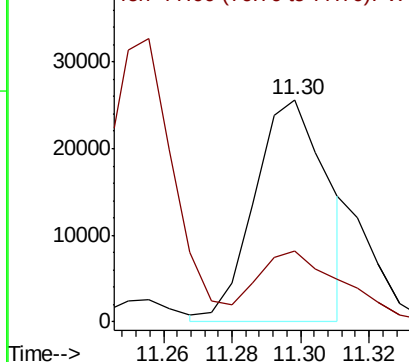
Lab File: VX005899.D

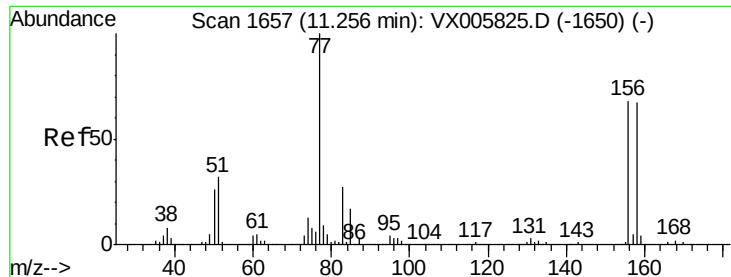
Acq: 12 Nov 2018 14:41

Tgt Ion:	75	Resp:	37492
Ion Ratio	Lower	Upper	
75	100		
77	37.5	20.5	61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.792 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion:156 Resp: 29730

Ion Ratio Lower Upper

156 100

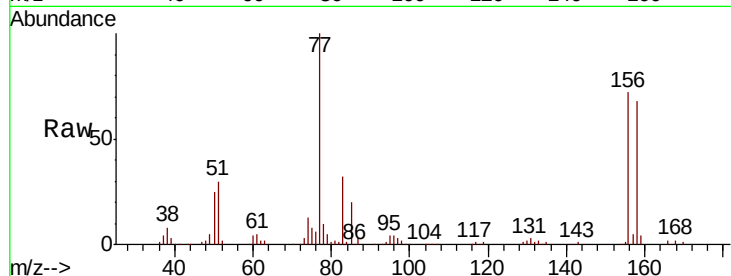
77 147.7 74.8 224.4

158 96.5 49.1 147.3

Manual Integrations
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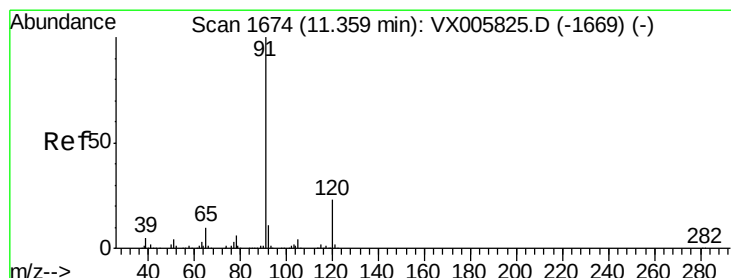
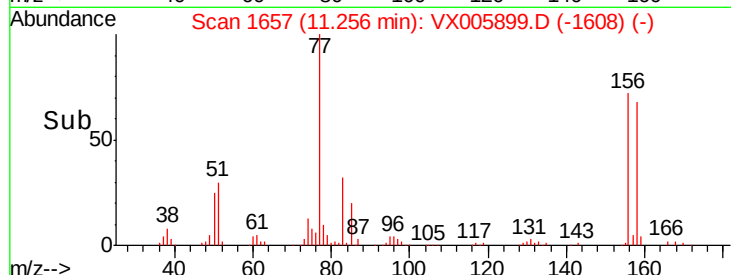
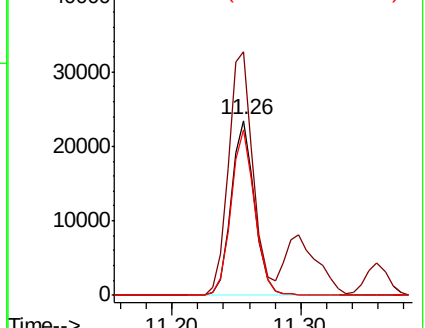
11/13/2018 11:47:00 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.509 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005899.D

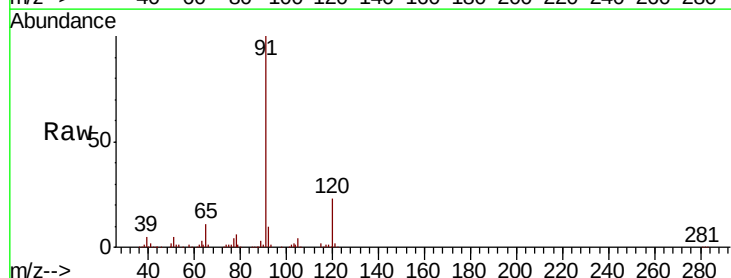
Acq: 12 Nov 2018 14:41

Tgt Ion: 91 Resp: 128597

Ion Ratio Lower Upper

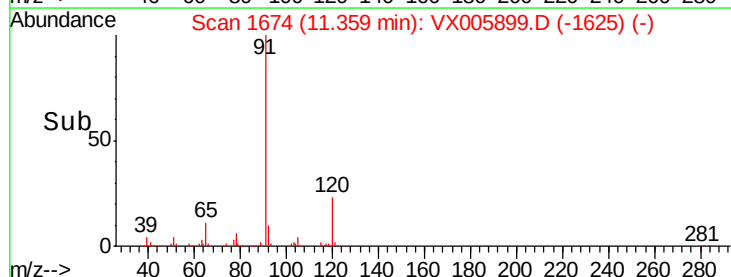
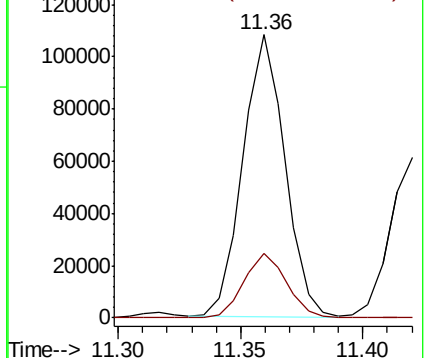
91 100

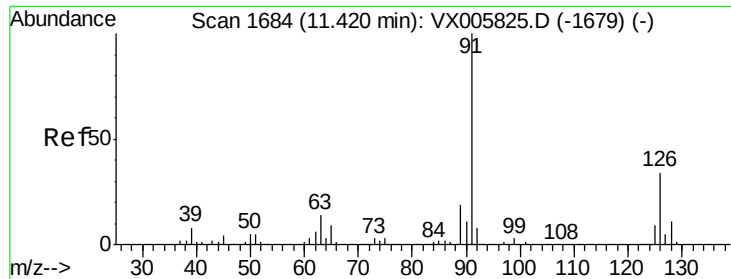
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.077 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion: 91 Resp: 76166

Ion Ratio Lower Upper

91 100

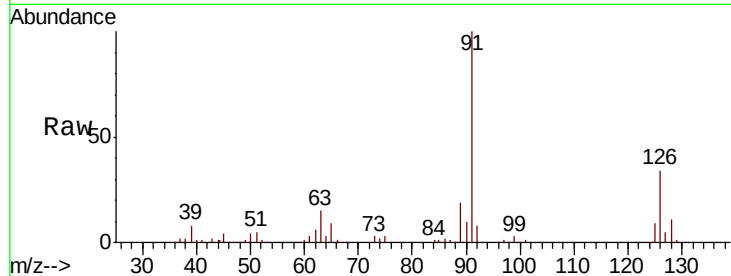
126 34.9 17.3 52.0

Manual Integrations

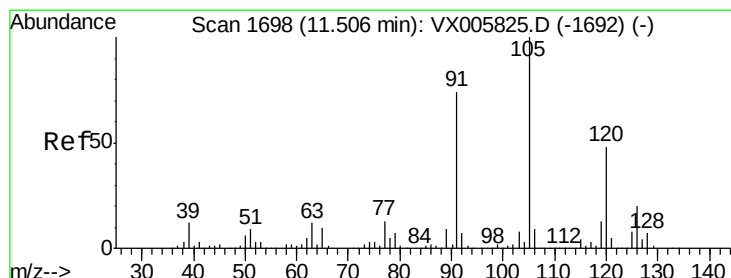
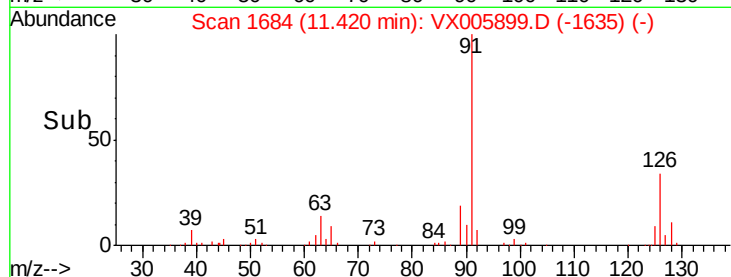
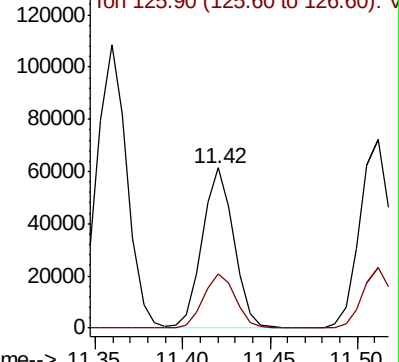
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Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.816 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005899.D

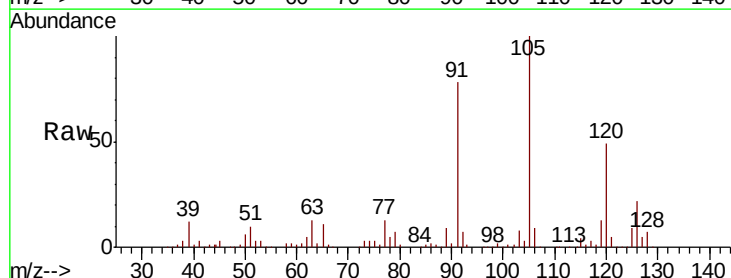
Acq: 12 Nov 2018 14:41

Tgt Ion: 105 Resp: 94048

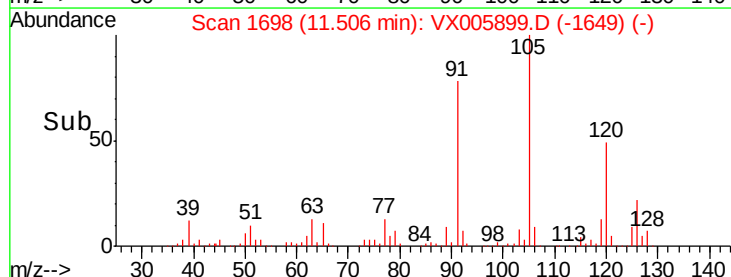
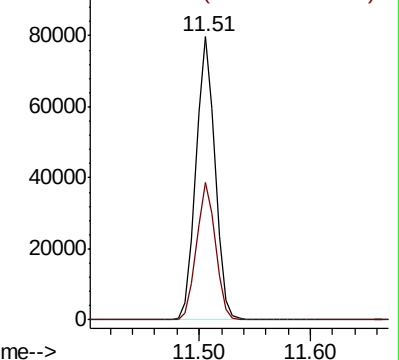
Ion Ratio Lower Upper

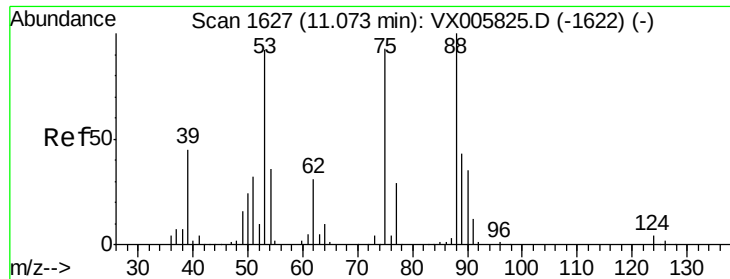
105 100

120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.491 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion: 75 Resp: 10924

Ion Ratio Lower Upper

75 100

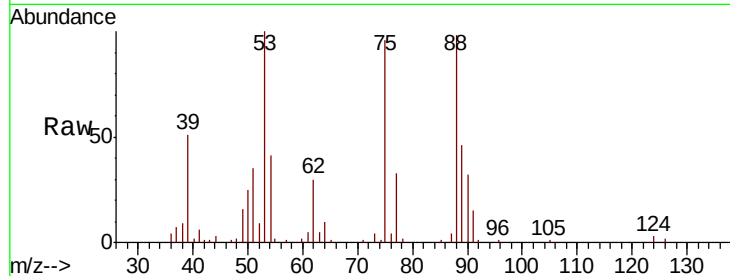
53 105.0 80.2 120.2

89 47.3 39.8 59.8

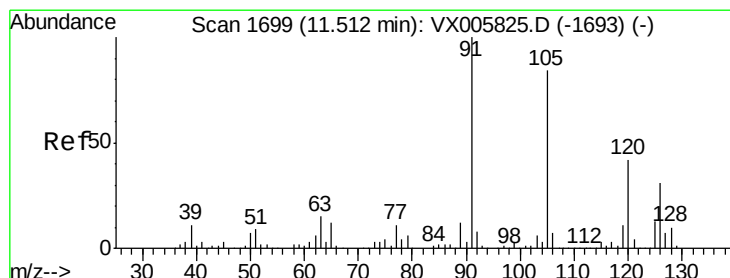
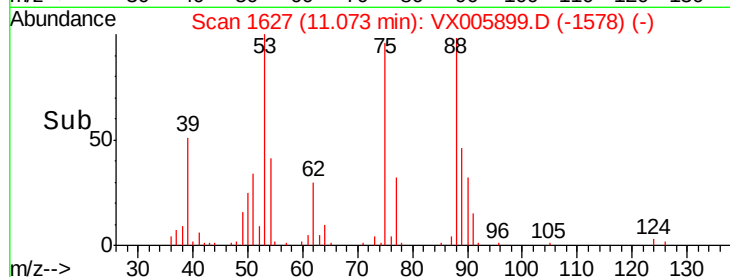
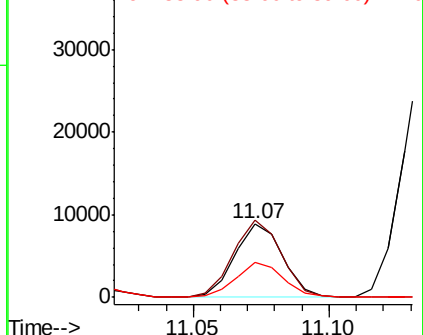
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.127 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005899.D

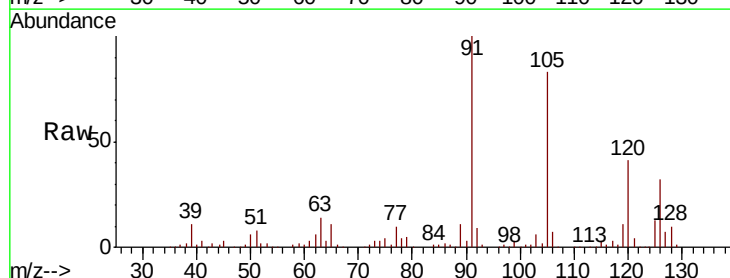
Acq: 12 Nov 2018 14:41

Tgt Ion: 91 Resp: 89977

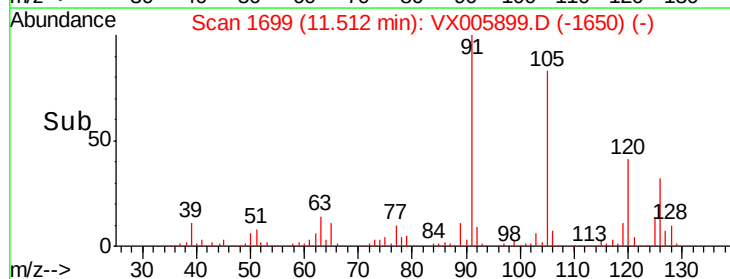
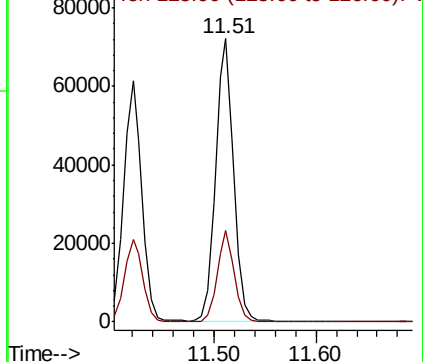
Ion Ratio Lower Upper

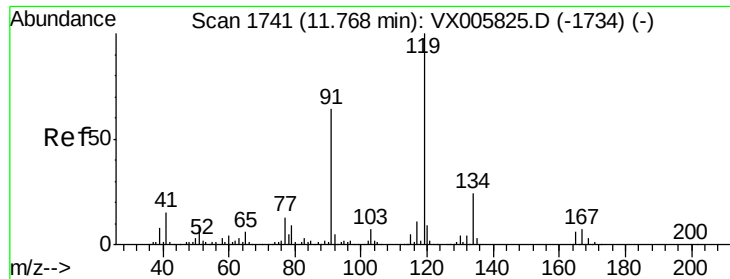
91 100

126 30.6 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





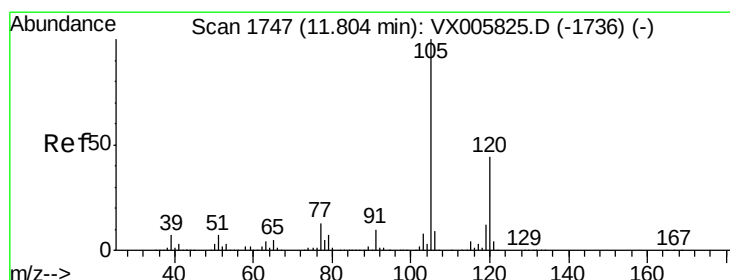
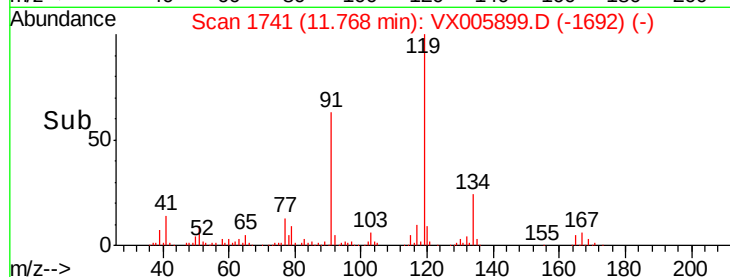
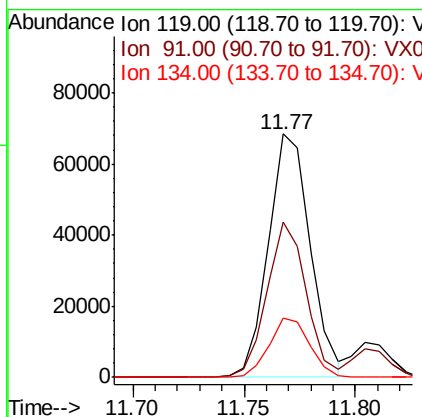
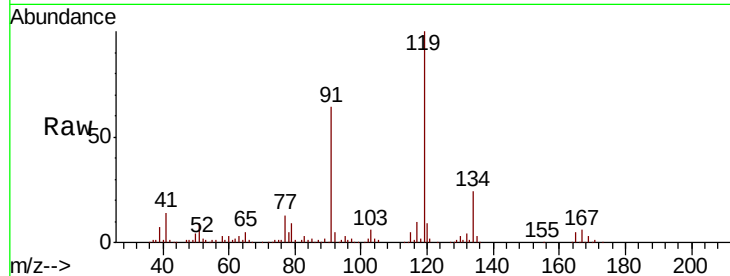
#83
tert-Butylbenzene
Concen: 20.470 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	89278		
91	59.7	28.5	85.5	
134	23.7	11.3	33.8	

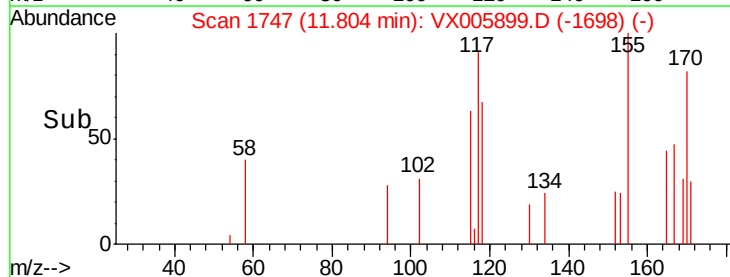
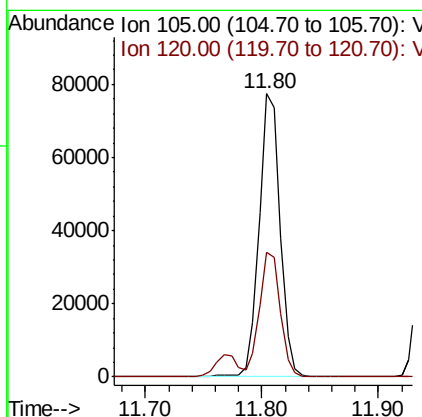
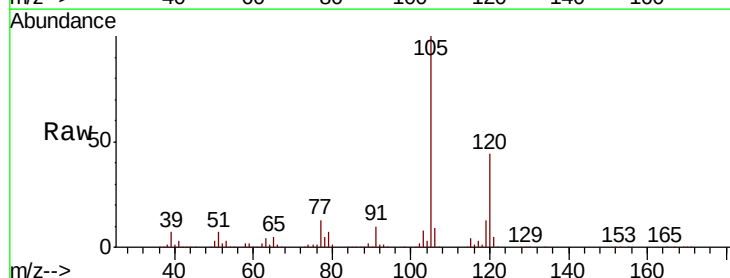
Manual Integrations
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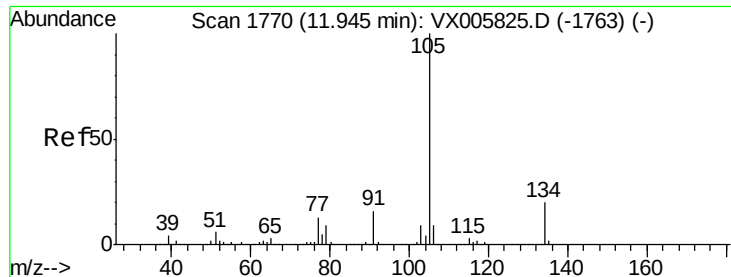
MMDadoda
11/13/2018 11:47:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.493 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	97834		
120	43.6	22.4	67.0	





#85

sec-Butylbenzene

Concen: 21.247 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX1112MBS01

Tot Ion:105 Resp: 113317

Ion Ratio Lower Upper

105 100

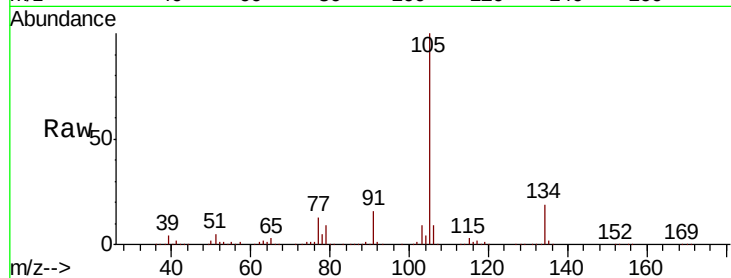
134 20.0 10.2 30.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

100000

80000

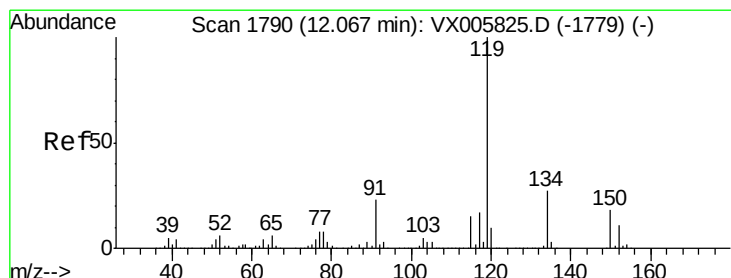
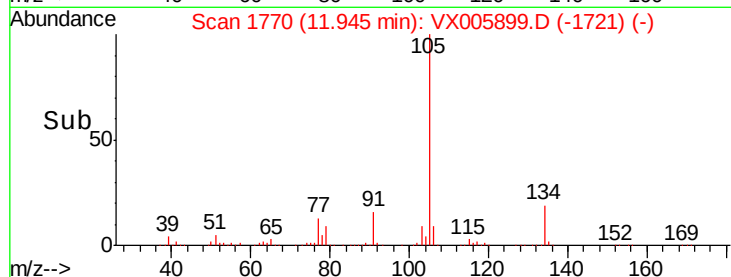
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.475 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

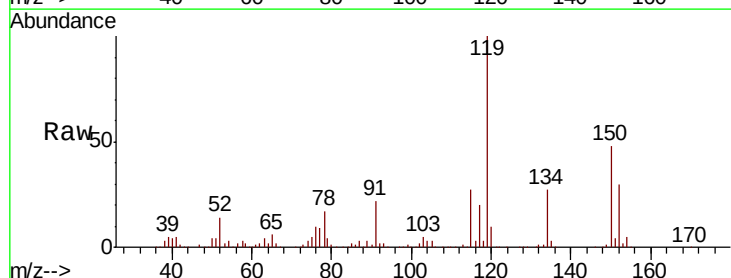
Tgt Ion:119 Resp: 101449

Ion Ratio Lower Upper

119 100

134 26.7 13.0 39.0

91 23.4 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

100000

80000

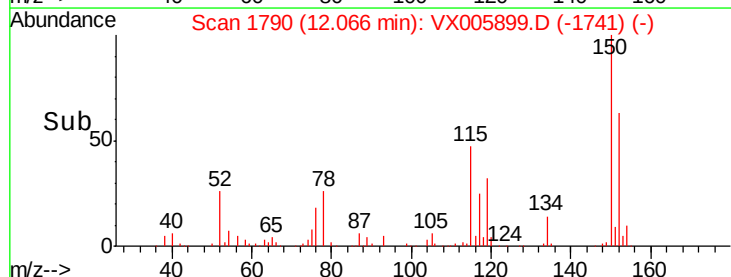
60000

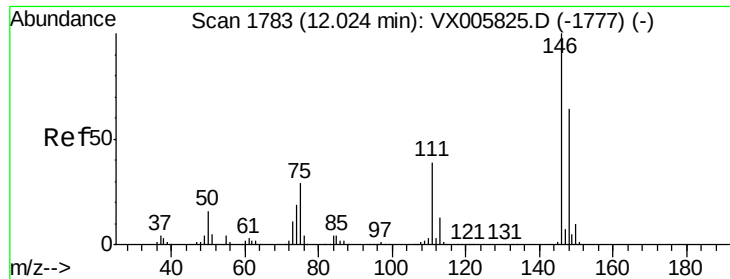
40000

20000

0

Time-->





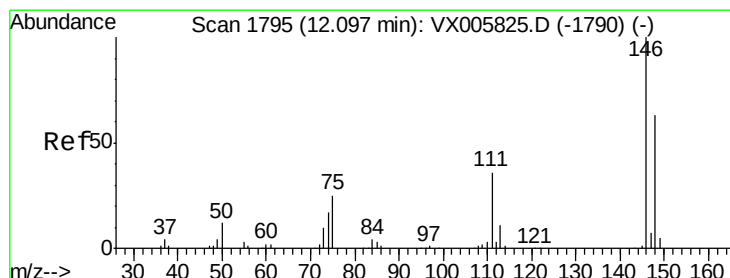
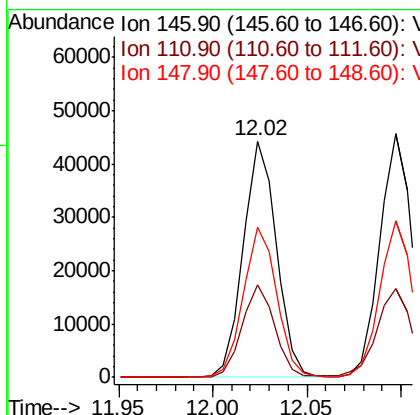
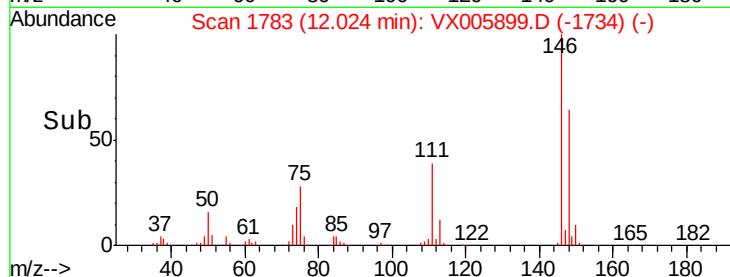
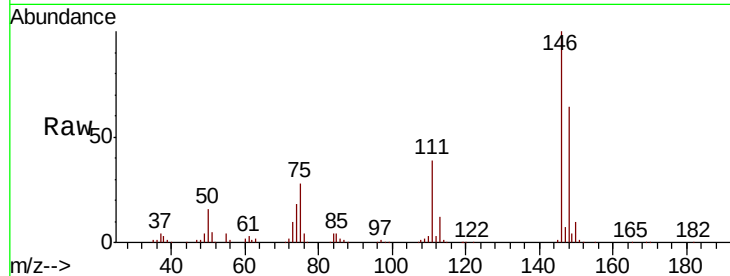
#87
 1,3-Dichlorobenzene
 Concen: 19.815 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.0	57.0
148	63.7	31.9	95.9

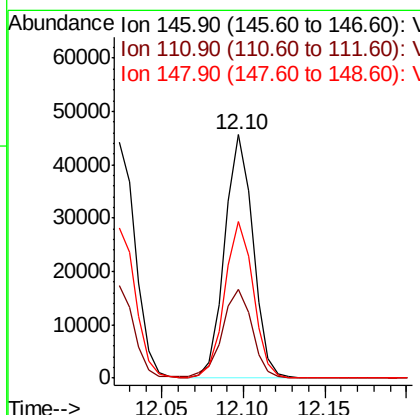
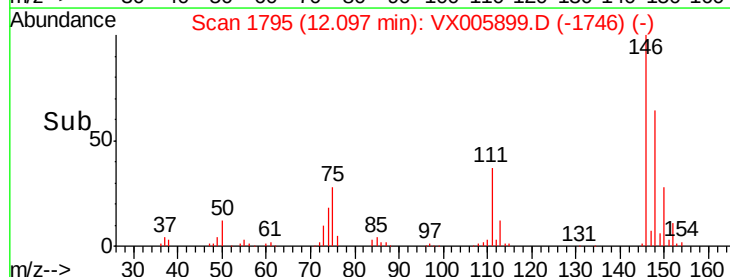
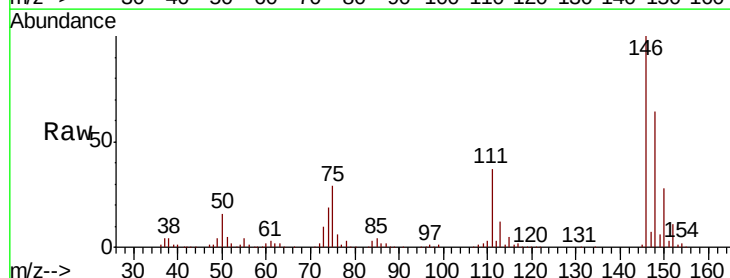
Manual Integrations
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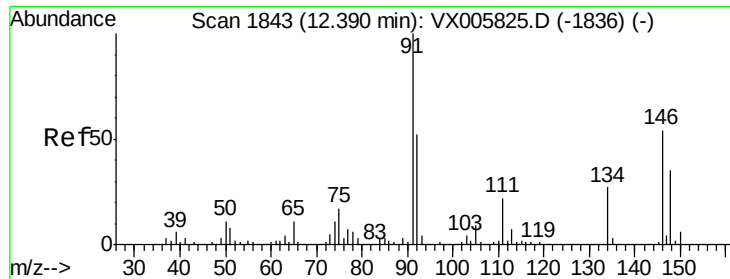
MMDadoda
 11/13/2018 11:47:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.600 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.6	55.8
148	65.0	32.1	96.3





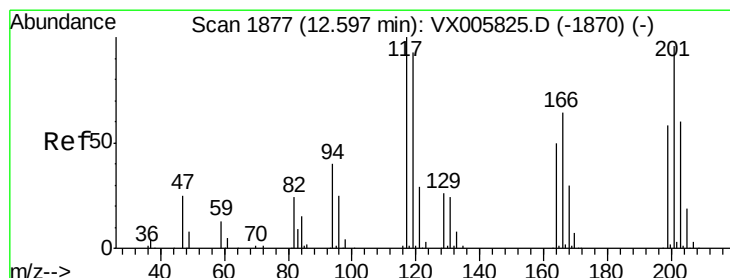
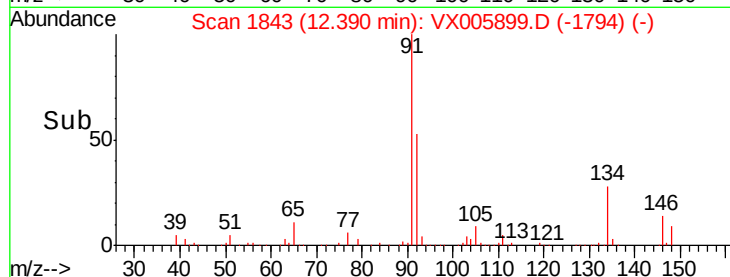
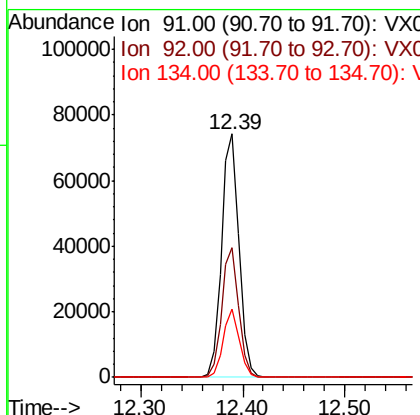
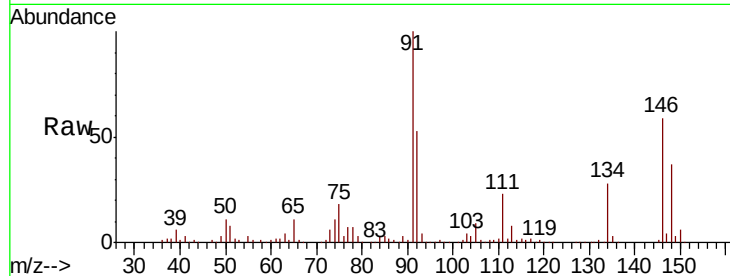
#89
n-Butylbenzene
Concen: 20.207 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.2
134	26.2	13.1	39.3

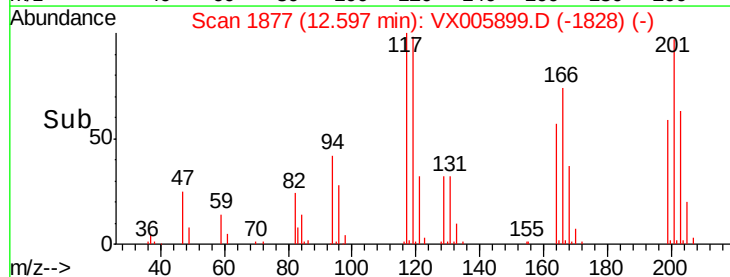
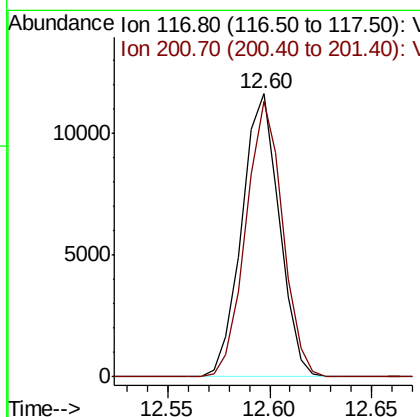
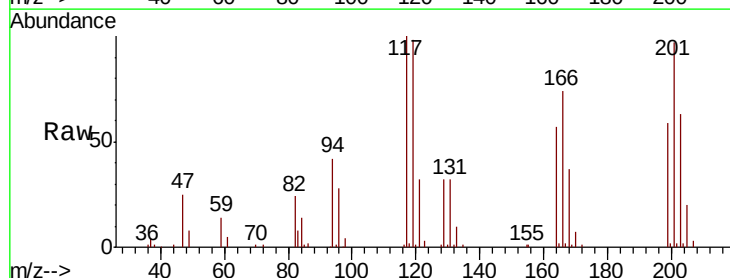
Manual Integrations
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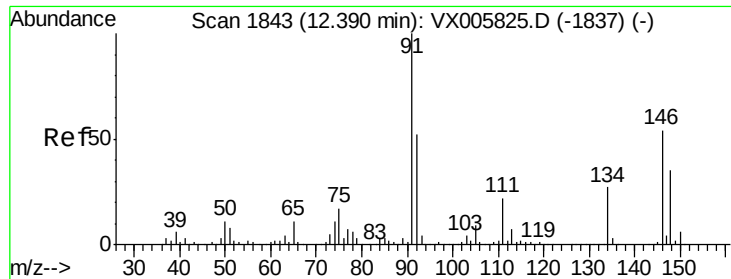
MMDadoda
11/13/2018 11:47:00 AM



#90
Hexachloroethane
Concen: 18.824 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.5	47.9	143.6





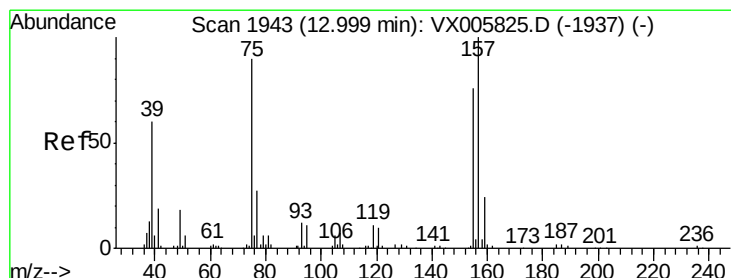
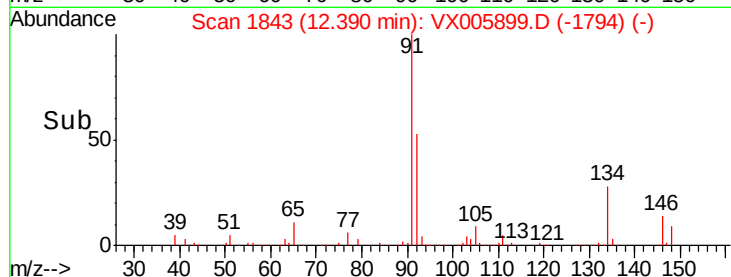
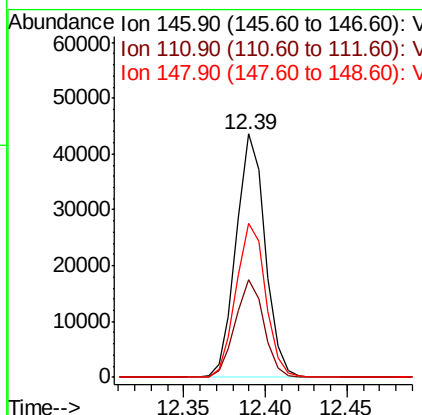
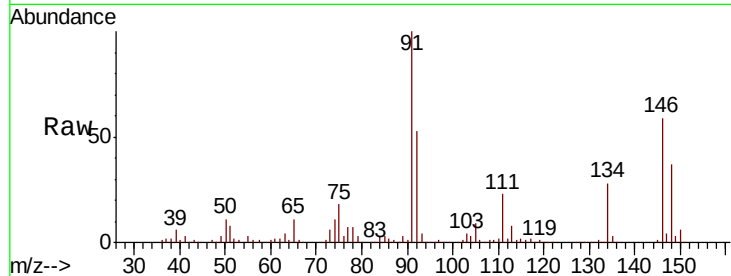
#91
 1,2-Dichlorobenzene
 Concen: 19.655 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	64.9	32.2	96.6

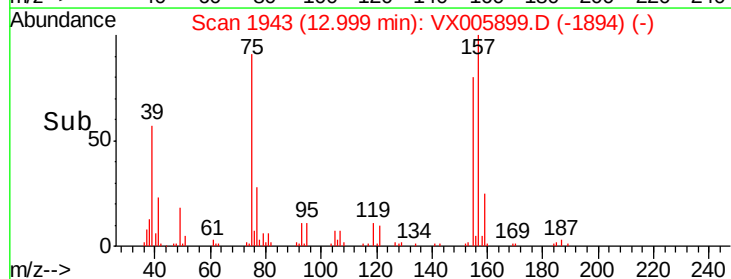
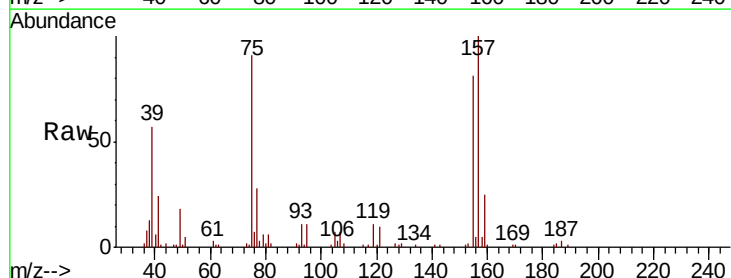
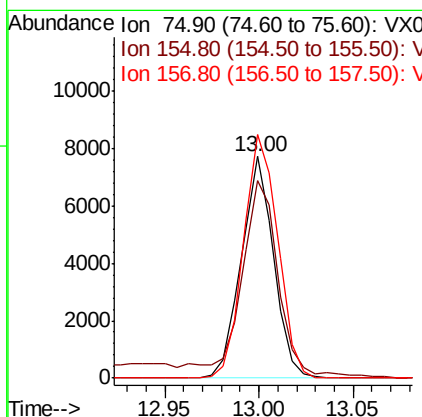
Manual Integrations
 APPROVED

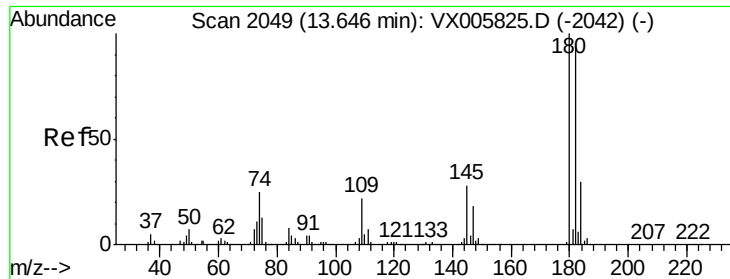
MMDadoda
 11/13/2018 11:47:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.113 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005899.D
 Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.2	45.4	136.1
157	117.0	57.4	172.0





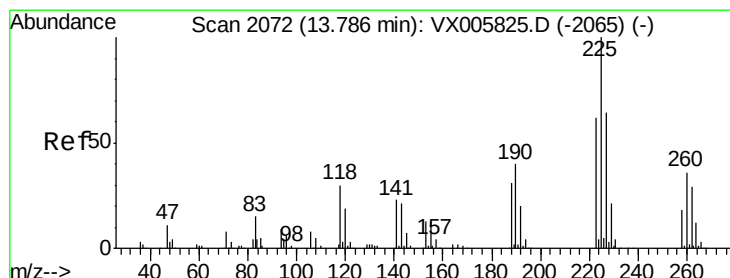
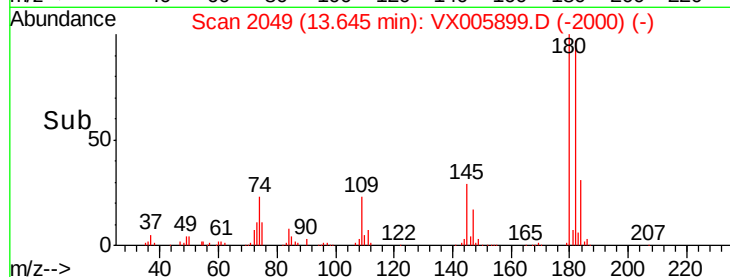
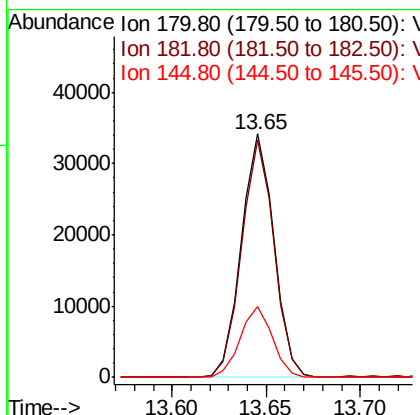
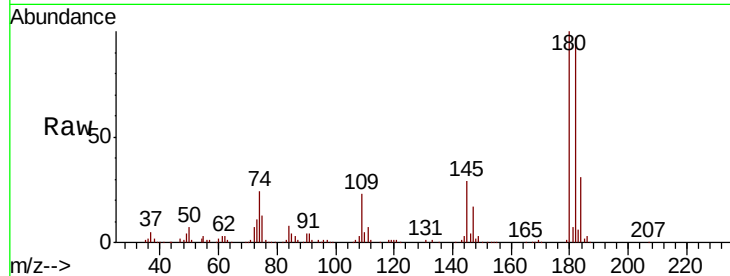
#93
1,2,4-Trichlorobenzene
Concen: 21.223 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX1112MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.6	142.8
145	28.8	14.1	42.2

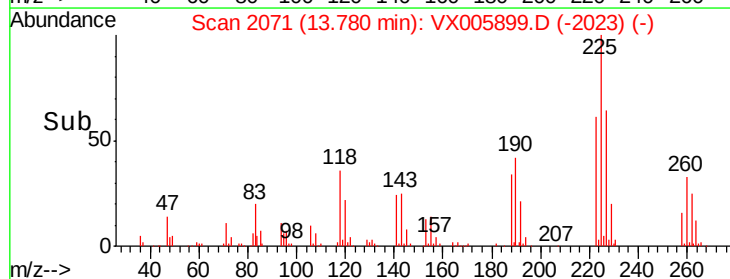
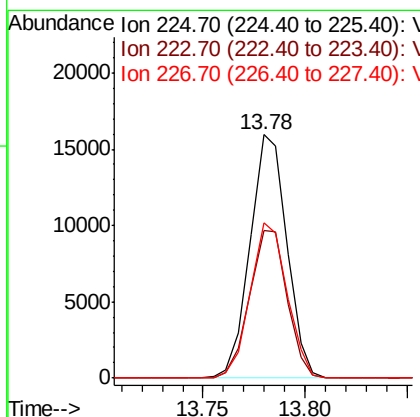
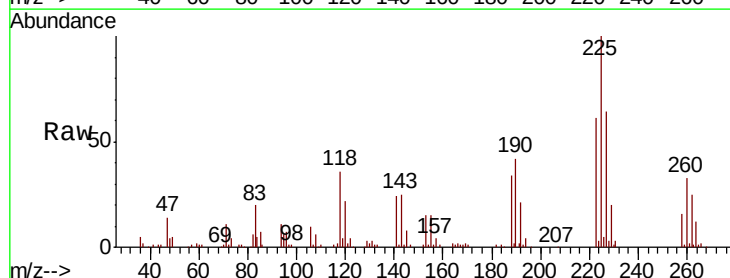
Manual Integrations
APPROVED

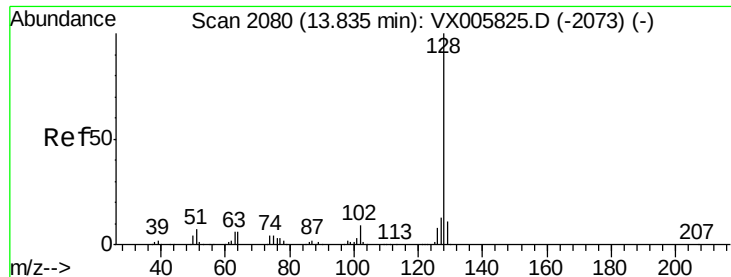
MMDadoda
11/13/2018 11:47:00 AM



#94
Hexachlorobutadiene
Concen: 19.762 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.01 min
Lab File: VX005899.D
Acq: 12 Nov 2018 14:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.7	95.1
227	63.6	32.3	96.9





#95

Naphthalene

Concen: 21.229 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Instrument :

MSVOA_X

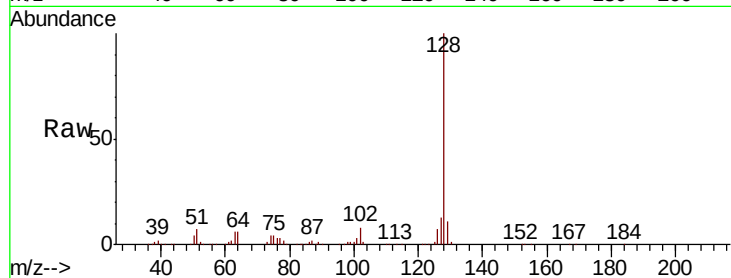
ClientSampleId :

VX1112MBS01

Tot Ion:	128	Resp:	129602
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/13/2018 11:47:00 AM



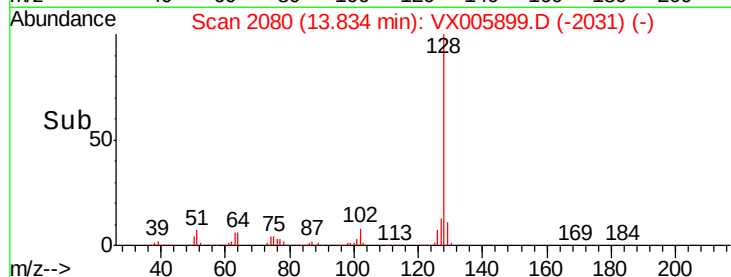
Abundance

Ion 128.00 (127.70 to 128.70): V

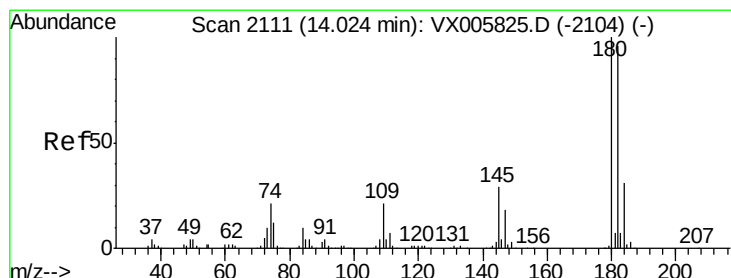
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.83



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 21.380 ug/l

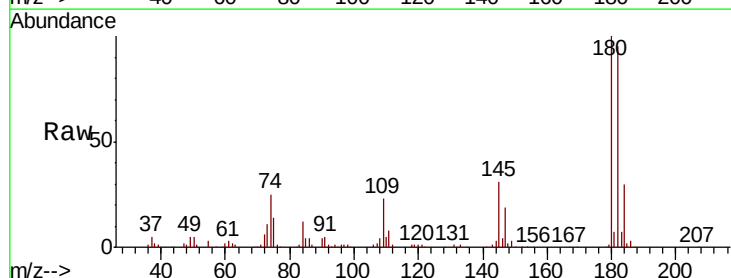
RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005899.D

Acq: 12 Nov 2018 14:41

Tgt Ion:	180	Resp:	42153
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.0	144.2
145	30.6	15.1	45.3



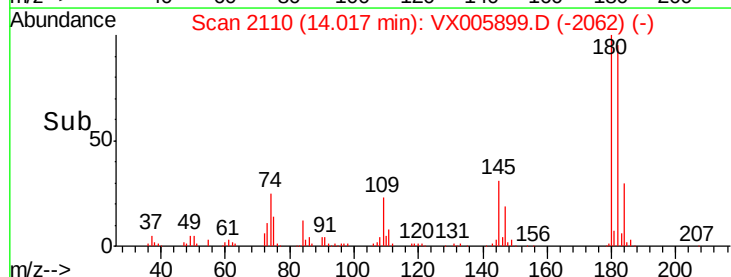
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

14.02



Time-->