

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005949.D
 Acq On : 13 Nov 2018 15:27
 Operator : JC/MD
 Sample : VX1113WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 9:51:27 AM

Quant Time: Nov 14 04:08:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	97166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	128263	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	119907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	66874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	63237	56.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.22%	
35) Dibromofluoromethane	5.50	113	51464	58.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.98%	
50) Toluene-d8	8.71	98	167457	57.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.48%	
62) 4-Bromofluorobenzene	11.14	95	61487	58.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	17788	20.305	ug/l 94
3) Chloromethane	1.32	50	22381	19.466	ug/l # 88
4) Vinyl Chloride	1.40	62	20783	18.006	ug/l 99
5) Bromomethane	1.64	94	13806	19.546	ug/l 93
6) Chloroethane	1.72	64	13988	20.311	ug/l 91
7) Trichlorofluoromethane	1.93	101	30910	20.175	ug/l 98
8) Diethyl Ether	2.19	74	12615	21.013	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	18534	21.034	ug/l 97
10) Methyl Iodide	2.51	142	19705	18.452	ug/l 95
11) Tert butyl alcohol	3.07	59	30657	95.804	ug/l 100
12) 1,1-Dichloroethene	2.37	96	16654	19.391	ug/l 90
13) Acrolein	2.29	56	19895	139.561	ug/l 98
14) Allyl chloride	2.73	41	39233	20.454	ug/l 98
15) Acrylonitrile	3.15	53	67382	101.608	ug/l 97
16) Acetone	2.45	43	63268	105.193	ug/l 96
17) Carbon Disulfide	2.57	76	48541	18.948	ug/l 99
18) Methyl Acetate	2.78	43	36383	21.734	ug/l 100
19) Methyl tert-butyl Ether	3.20	73	60612	20.678	ug/l 96
20) Methylene Chloride	2.86	84	19454	19.691	ug/l 92
21) trans-1,2-Dichloroethene	3.17	96	18042	19.917	ug/l 93
22) Diisopropyl ether	3.87	45	66976	19.932	ug/l 90
23) Vinyl Acetate	3.82	43	284746	98.834	ug/l 100
24) 1,1-Dichloroethane	3.70	63	36153	20.167	ug/l 100
25) 2-Butanone	4.70	43	93938	99.345	ug/l # 88
26) 2,2-Dichloropropane	4.59	77	27453	20.876	ug/l 99
27) cis-1,2-Dichloroethene	4.59	96	19511	19.506	ug/l 99
28) Bromochloromethane	5.01	49	17713	22.108	ug/l 99
29) Tetrahydrofuran	5.15	42	58678	96.649	ug/l 96
30) Chloroform	5.21	83	34372	19.873	ug/l 85
31) Cyclohexane	5.57	56	28430	18.269	ug/l 98
32) 1,1,1-Trichloroethane	5.50	97	29908	20.732	ug/l 100
36) 1,1-Dichloropropene	5.79	75	24509	19.822	ug/l 97
37) Ethyl Acetate	4.85	43	33531	20.622	ug/l 100
38) Carbon Tetrachloride	5.79	117	26220	21.182	ug/l # 94

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Manual Integrations
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 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)
39) Methylcyclohexane	7.46	83	25673	20.486	ug/l	93
40) Benzene	6.15	78	75432	20.926	ug/l	98
41) Methacrylonitrile	5.06	41	17576	20.004	ug/l	97
42) 1,2-Dichloroethane	6.20	62	29000	22.462	ug/l	98
43) Isopropyl Acetate	6.46	43	48735	20.685	ug/l	100
44) Trichloroethene	7.21	130	19376	21.166	ug/l	97
45) 1,2-Dichloropropane	7.52	63	19472	22.256	ug/l	97
46) Dibromomethane	7.66	93	11888	21.653	ug/l	99
47) Bromodichloromethane	7.90	83	23128	22.291	ug/l	98
48) Methyl methacrylate	7.77	41	23348	22.069	ug/l	97
49) 1,4-Dioxane	7.76	88	9300	407.949	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	163053	109.807	ug/l	99
52) Toluene	8.79	92	42604	21.148	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	24598	20.090	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	27430	21.979	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	17720	19.736	ug/l	97
56) Ethyl methacrylate	9.18	69	25541	19.012	ug/l	97
57) 1,3-Dichloropropane	9.37	76	29762	19.725	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	75599	108.131	ug/l	100
59) 2-Hexanone	9.49	43	127572	97.467	ug/l	98
60) Dibromochloromethane	9.59	129	18435	18.998	ug/l	98
61) 1,2-Dibromoethane	9.67	107	18333	18.466	ug/l	99
64) Tetrachloroethene	9.34	164	20150	19.738	ug/l	98
65) Chlorobenzene	10.14	112	47726	19.868	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	17955	21.500	ug/l	98
67) Ethyl Benzene	10.25	91	80247	20.833	ug/l	99
68) m/p-Xylenes	10.36	106	61134	41.609	ug/l	96
69) o-Xylene	10.70	106	29147	22.123	ug/l	98
70) Styrene	10.71	104	49138	22.609	ug/l	99
71) Bromoform	10.86	173	15089	21.554	ug/l #	100
73) Isopropylbenzene	11.02	105	81841	21.163	ug/l	100
74) N-amyl acetate	10.90	43	38797	18.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	28821	20.304	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	27983m	20.550	ug/l	
77) Bromobenzene	11.26	156	21894	20.086	ug/l	99
78) n-propylbenzene	11.36	91	95072	20.860	ug/l	99
79) 2-Chlorotoluene	11.42	91	57849	20.999	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	70070	21.321	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	8508	19.914	ug/l	98
82) 4-Chlorotoluene	11.51	91	67664	20.841	ug/l	99
83) tert-Butylbenzene	11.77	119	66341	19.954	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	71336	19.596	ug/l	100
85) sec-Butylbenzene	11.94	105	82324	20.249	ug/l	100
86) p-Isopropyltoluene	12.07	119	73238	20.337	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	40484	19.353	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	41746	19.494	ug/l	99
89) n-Butylbenzene	12.39	91	62816	18.820	ug/l	100
90) Hexachloroethane	12.60	117	11716	19.486	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	40647	19.396	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7056	20.371	ug/l	99

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ClientSampleId :
VX1113WBSD01

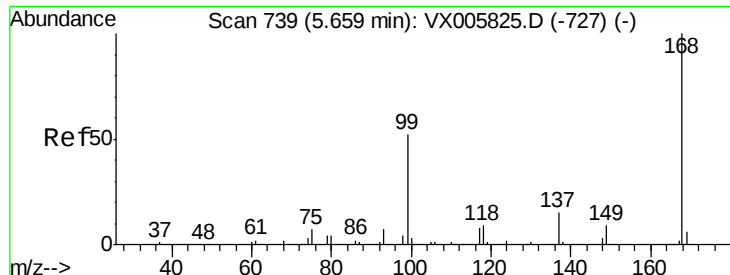
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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	29030	19.678	ug/l	100
94) Hexachlorobutadiene	13.79	225	14822	19.126	ug/l	98
95) Naphthalene	13.83	128	87379	18.911	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	30644	20.389	ug/l	98

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



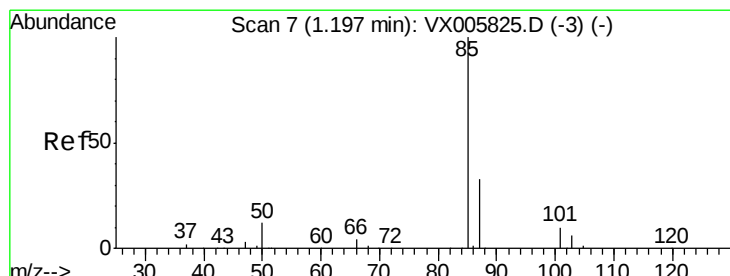
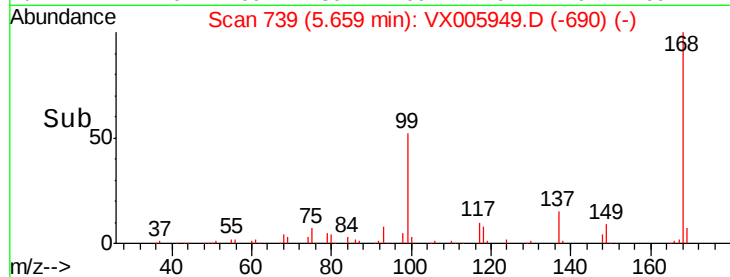
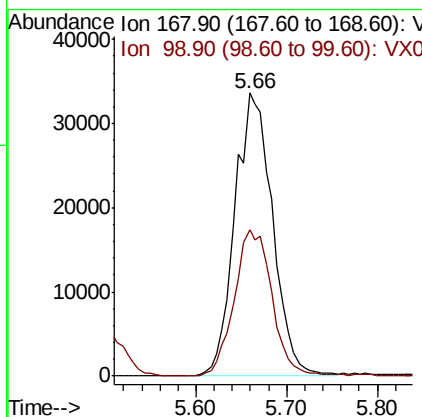
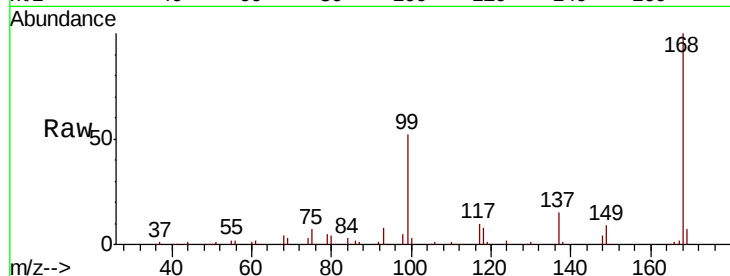
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion:168 Resp: 97166
Ion Ratio Lower Upper
168 100
99 51.7 40.7 61.1

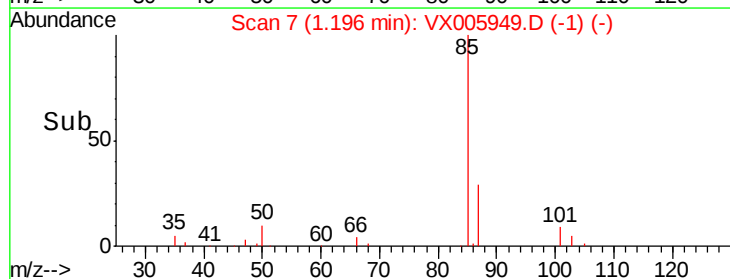
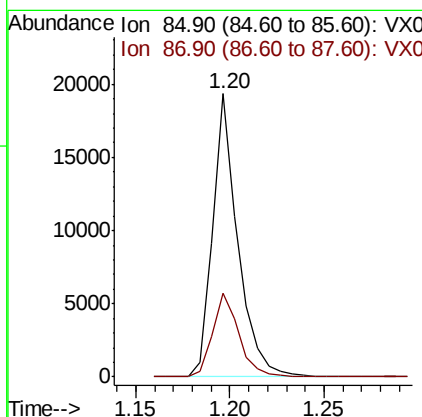
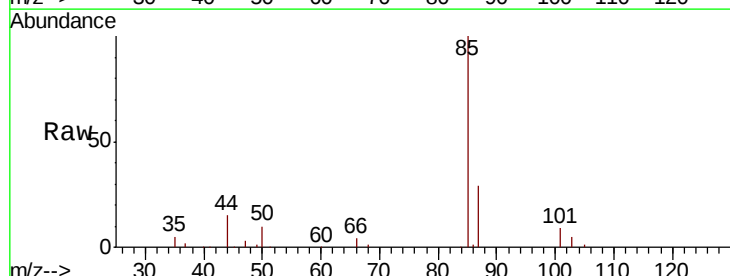
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#2
Dichlorodifluoromethane
Concen: 20.305 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion: 85 Resp: 17788
Ion Ratio Lower Upper
85 100
87 29.4 16.3 48.9





#3

Chloromethane

Concen: 19.466 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 50 Resp: 22381

Ion Ratio Lower Upper

50 100

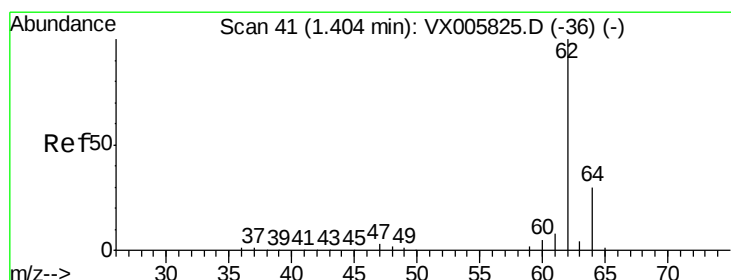
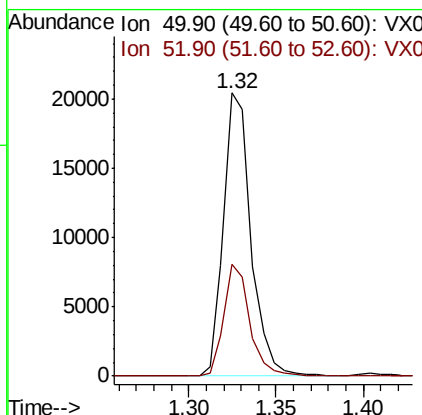
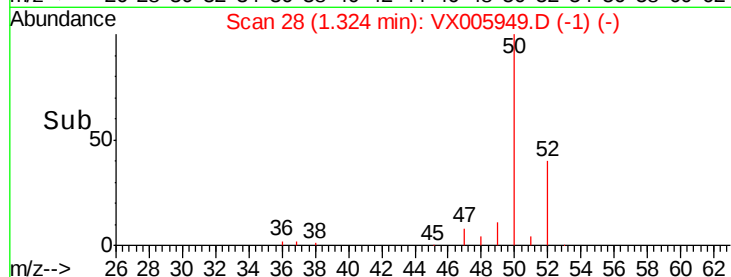
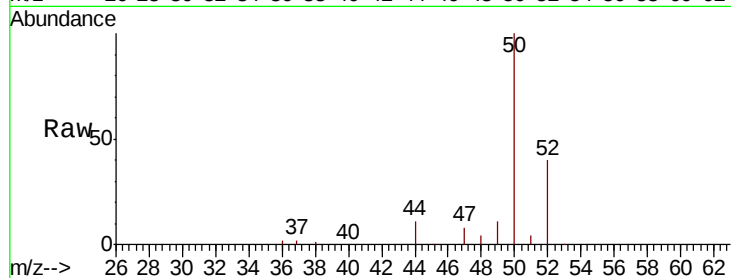
52 39.6 26.2 39.2#

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.006 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005949.D

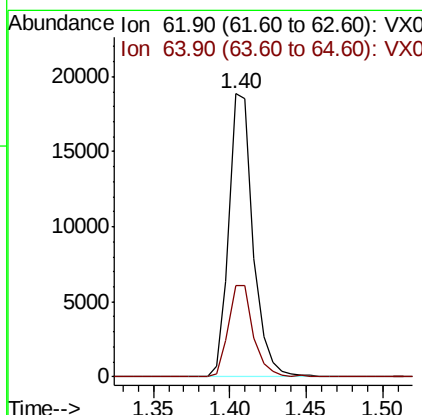
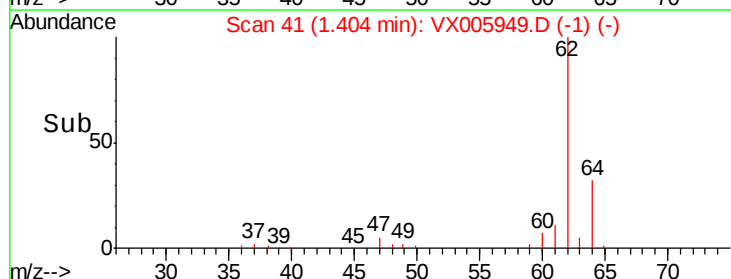
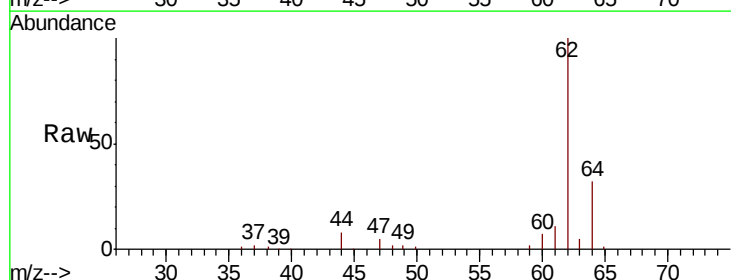
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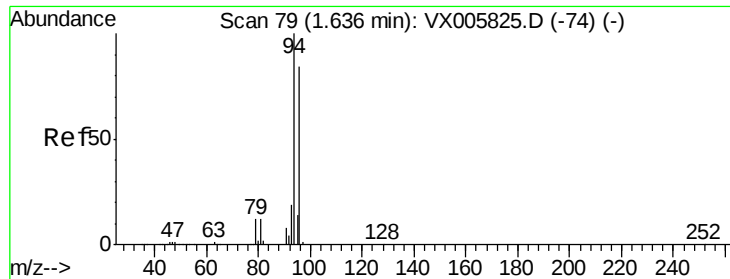
Tgt Ion: 62 Resp: 20783

Ion Ratio Lower Upper

62 100

64 32.1 25.3 37.9





#5

Bromomethane

Concen: 19.546 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 94 Resp: 13806

Ion Ratio Lower Upper

94 100

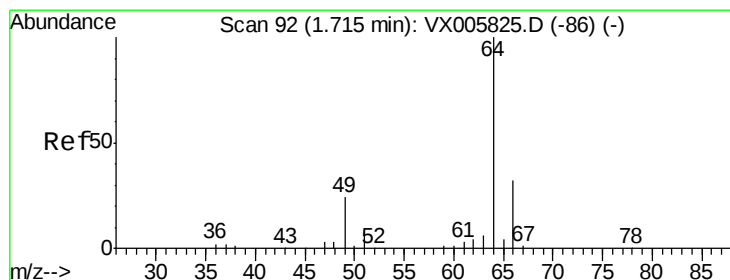
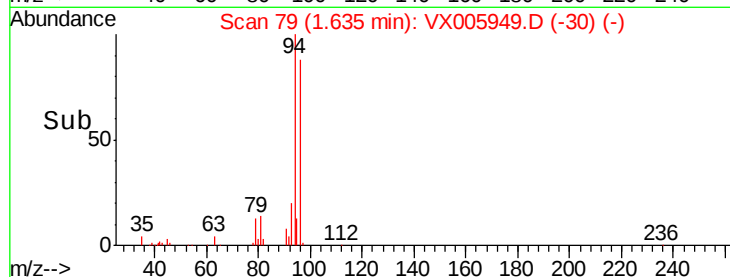
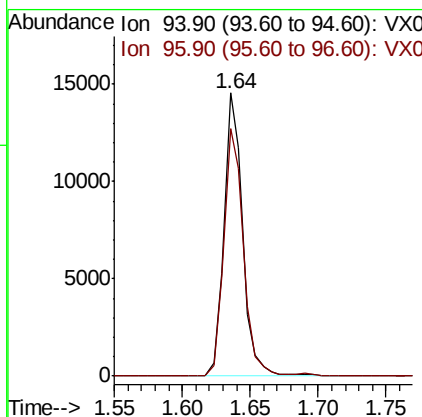
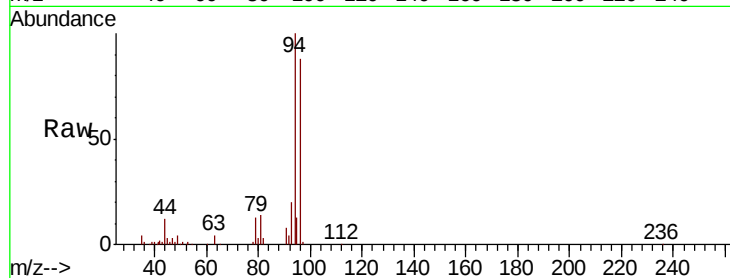
96 87.6 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 20.311 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005949.D

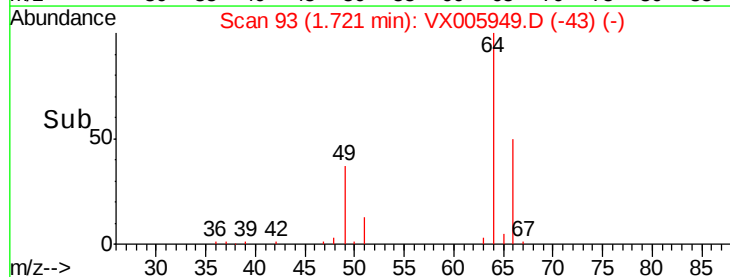
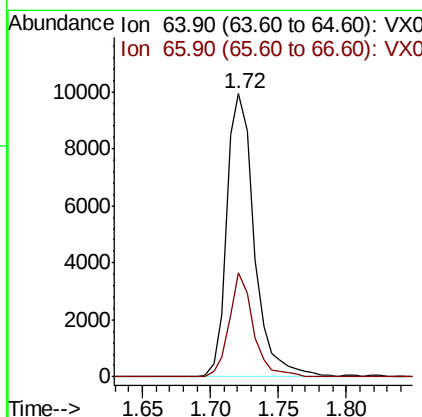
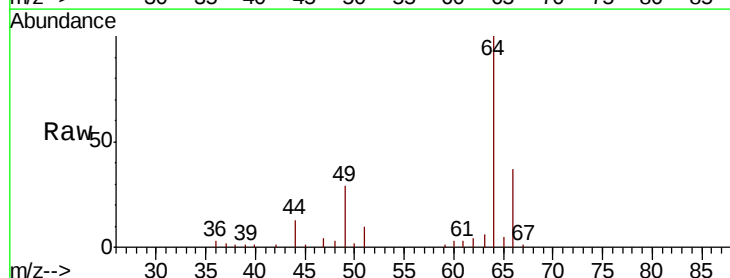
Acq: 13 Nov 2018 15:27

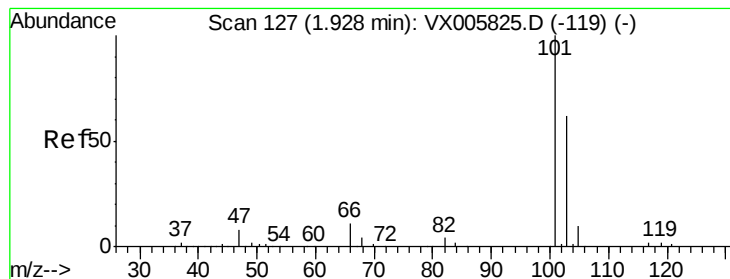
Tgt Ion: 64 Resp: 13988

Ion Ratio Lower Upper

64 100

66 37.0 25.8 38.6





#7

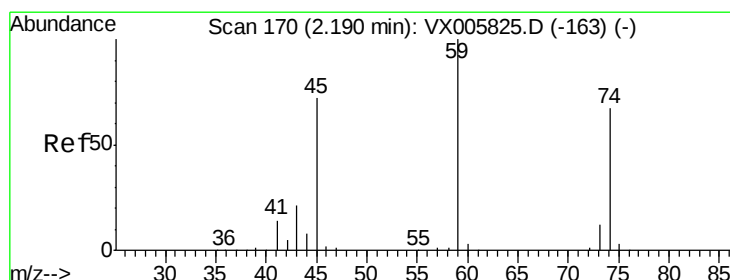
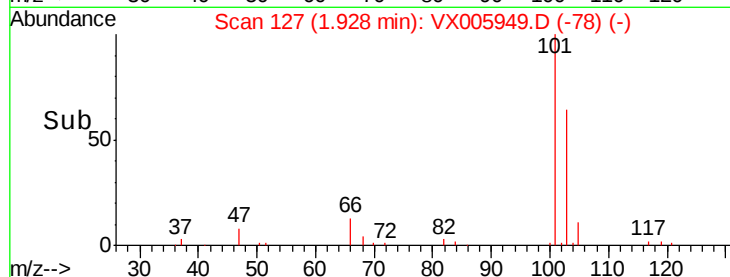
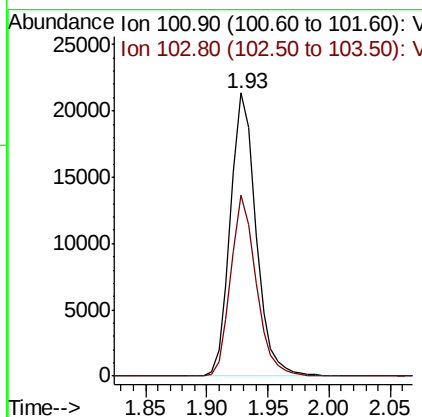
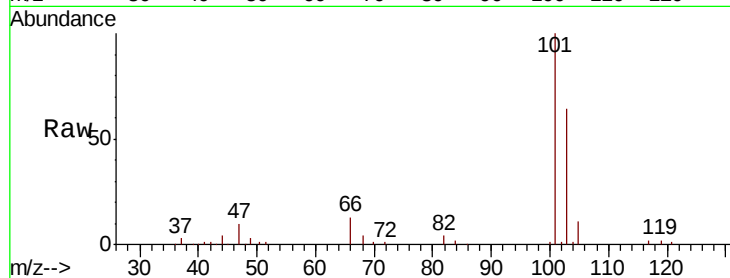
Trichlorofluoromethane
 Concen: 20.175 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

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 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.0	75.0

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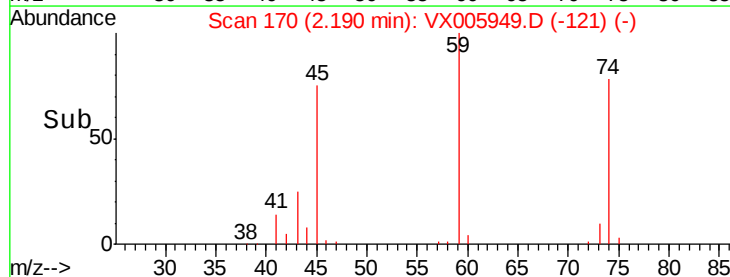
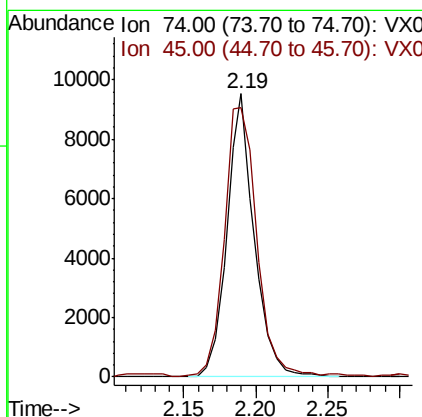
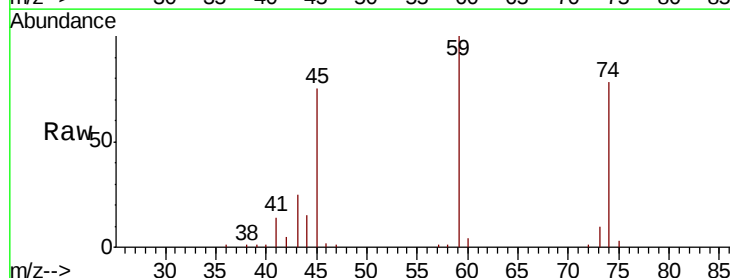
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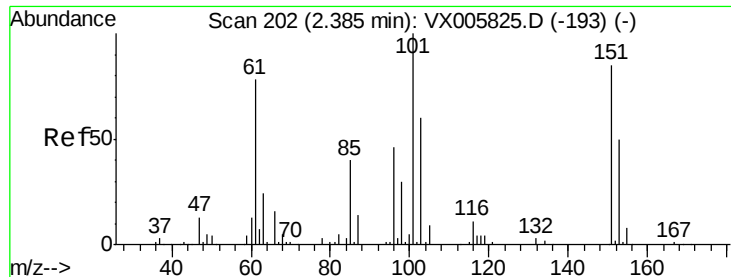


#8

Diethyl Ether
 Concen: 21.013 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.3	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.034 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

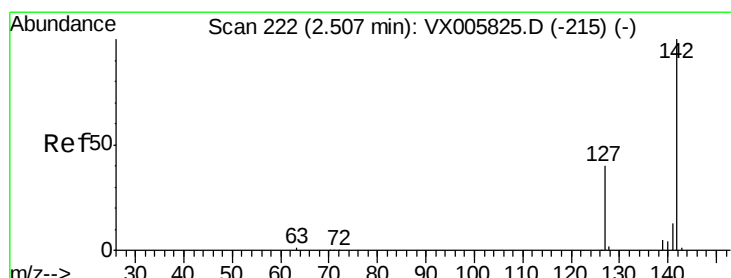
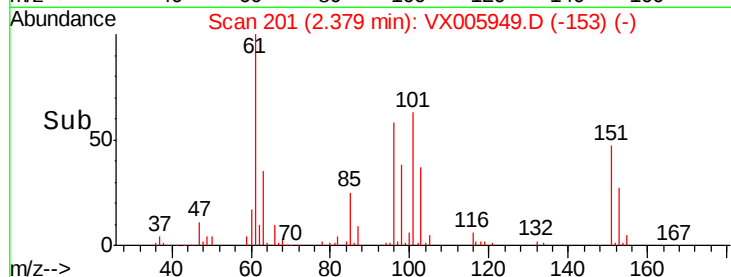
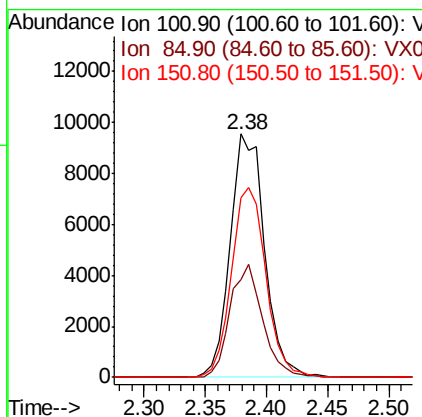
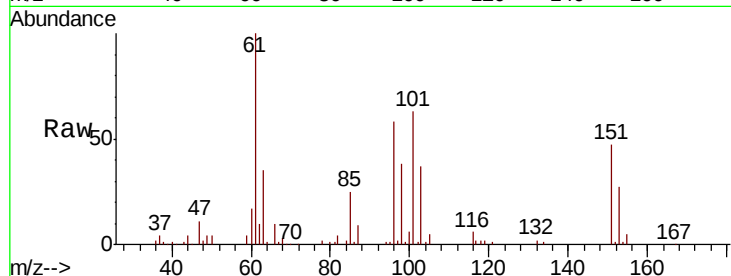
ClientSampleId :

VX1113WBSD01

Tot Ion:	101	Resp:	18534
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.0	52.4
151	78.3	66.2	99.2

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#10

Methyl Iodide

Concen: 18.452 ug/l

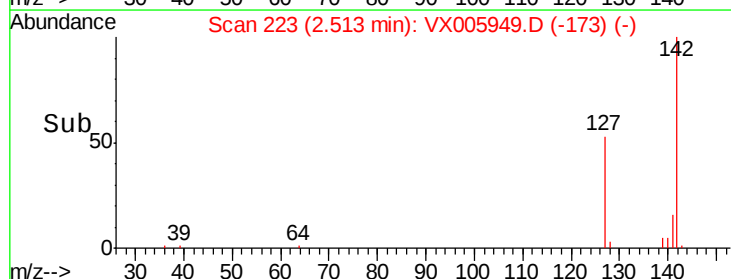
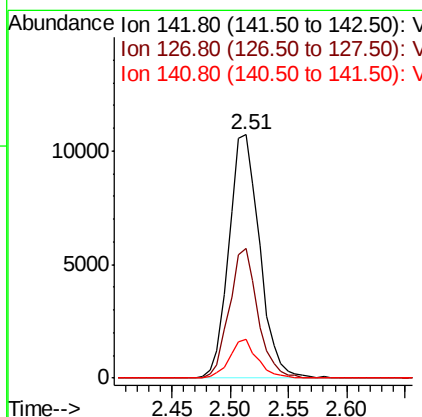
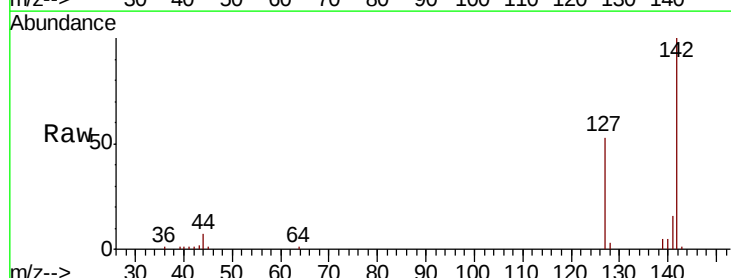
RT: 2.51 min Scan# 223

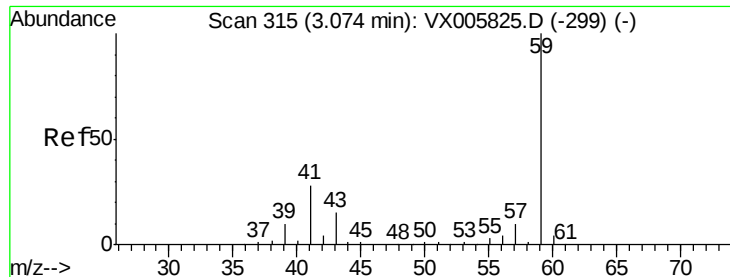
Delta R.T. 0.01 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Tgt Ion:	142	Resp:	19705
Ion Ratio	Lower	Upper	
142	100		
127	49.2	36.0	54.0
141	14.4	11.7	17.5





#11

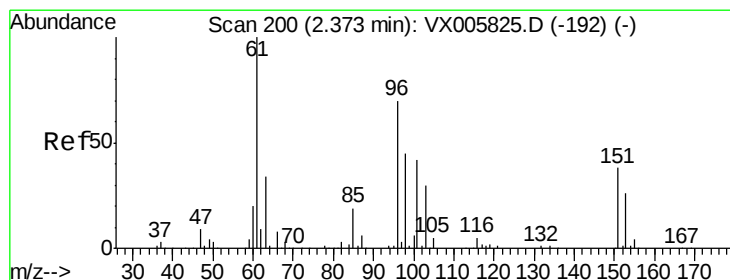
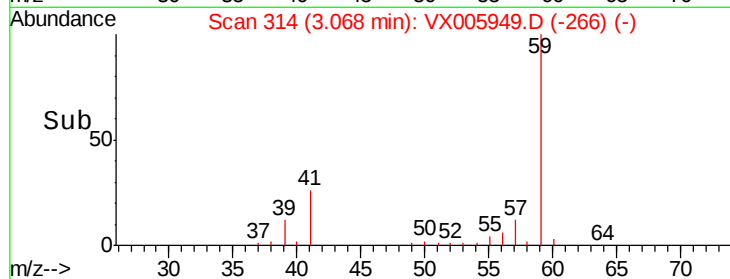
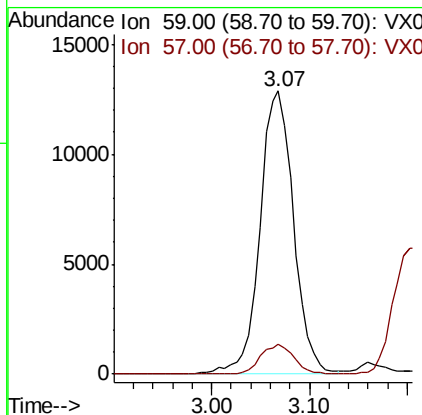
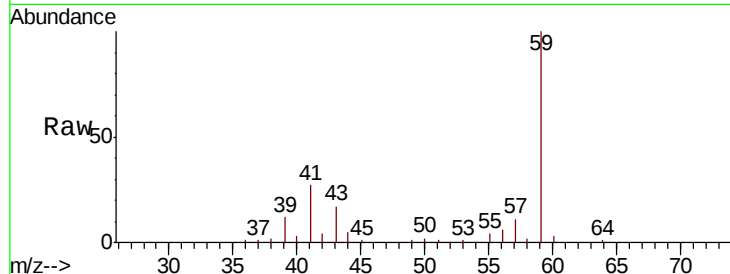
Tert butyl alcohol
 Concen: 95.804 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	30657
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
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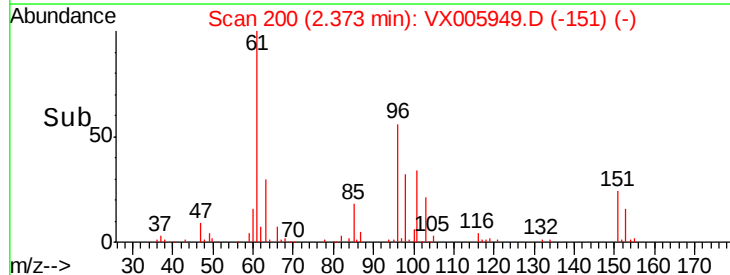
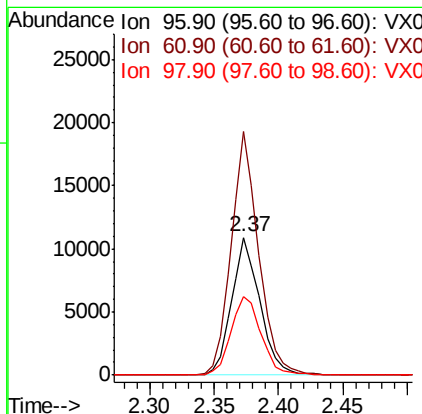
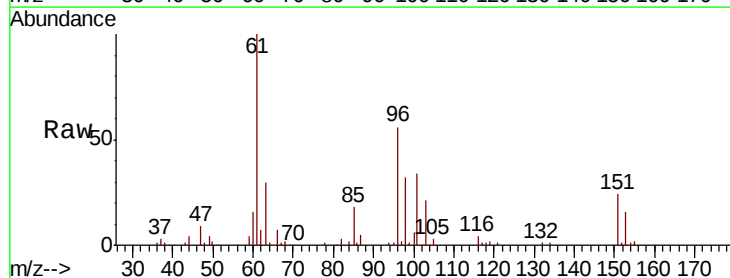
MMDadoda
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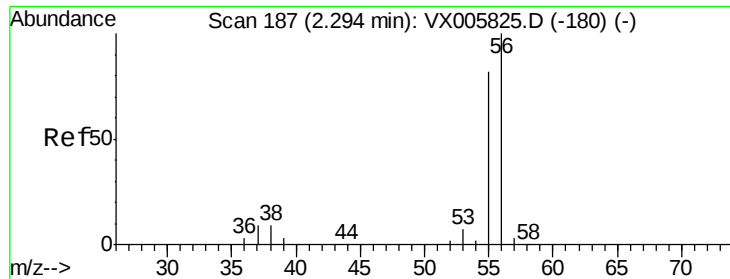


#12

1,1-Dichloroethene
 Concen: 19.391 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Tgt Ion	96	Resp	16654
Ion	Ratio	Lower	Upper
96	100		
61	177.1	131.8	197.8
98	57.6	53.4	80.2





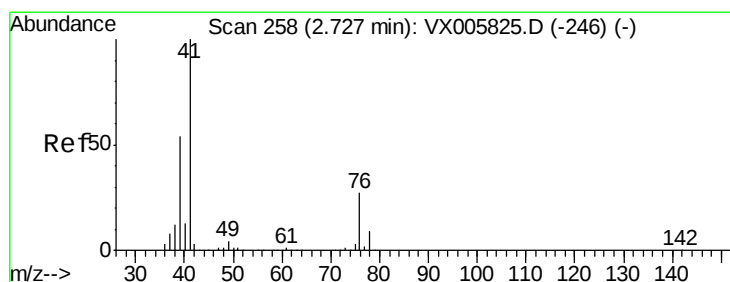
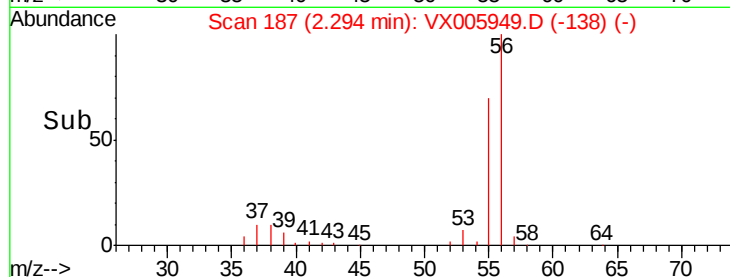
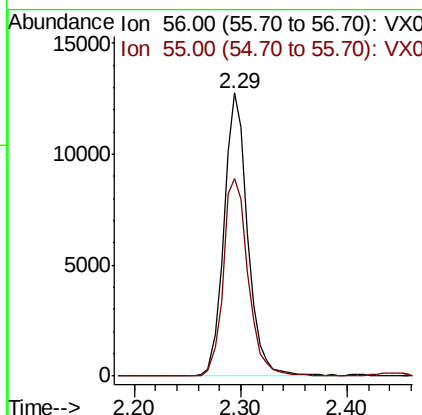
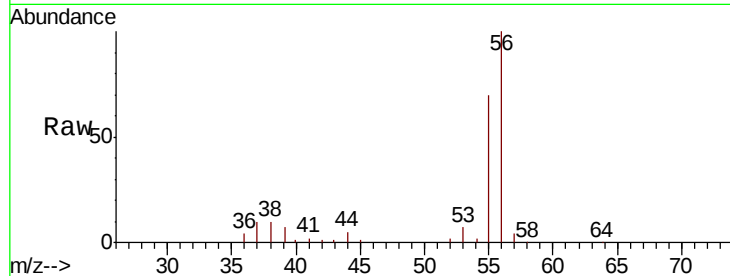
#13
Acrolein
Concen: 139.561 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.0	57.3	85.9

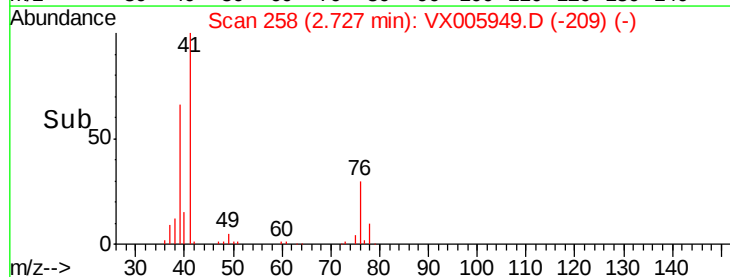
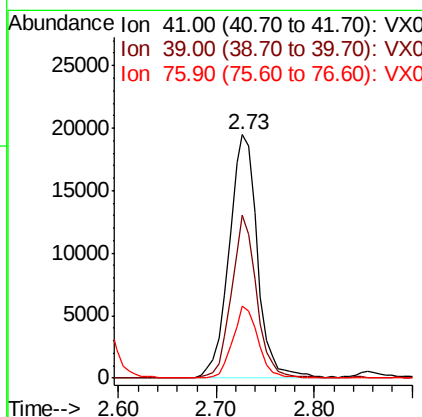
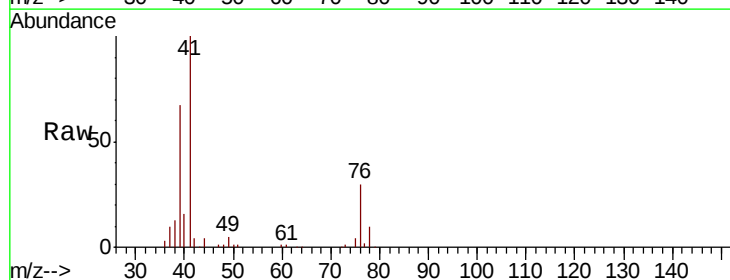
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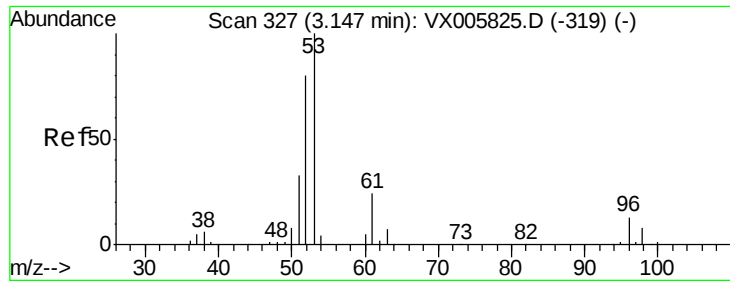
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#14
Allyl chloride
Concen: 20.454 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.3	48.2	72.4
76	26.3	21.9	32.9





#15

Acrylonitrile

Concen: 101.608 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

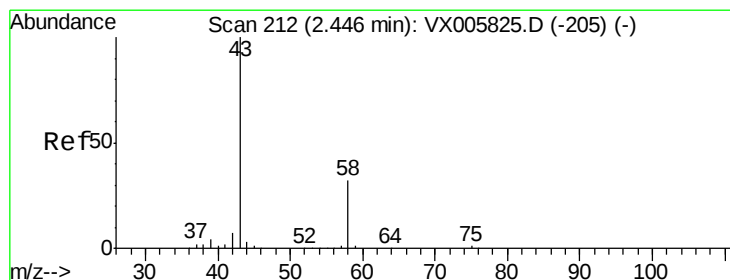
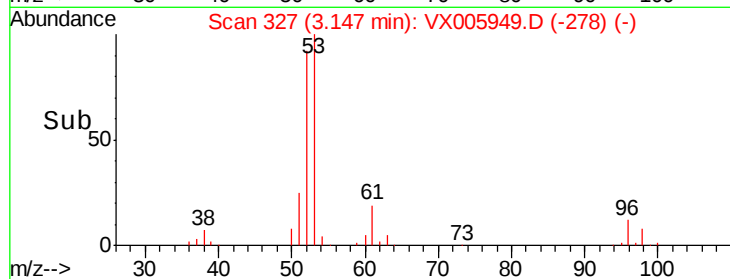
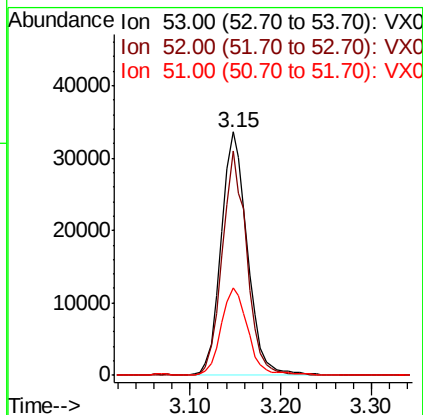
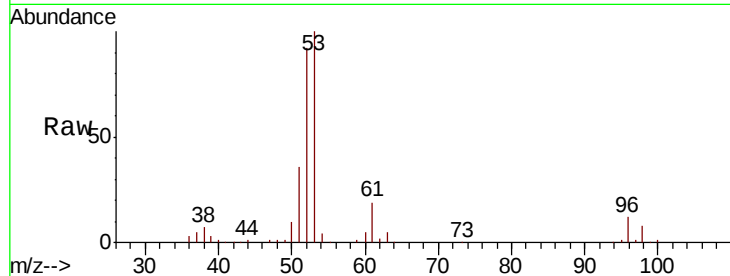
ClientSampleId :

VX1113WBSD01

Tot Ion:	53	Resp:	67382
Ion Ratio	Lower	Upper	
53	100		
52	86.6	66.6	99.8
51	37.1	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 105.193 ug/l

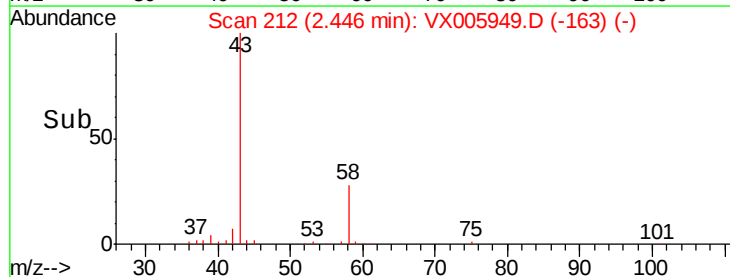
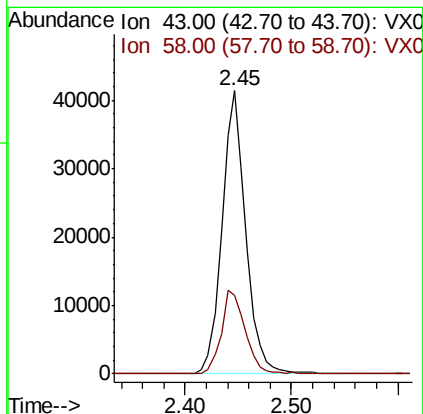
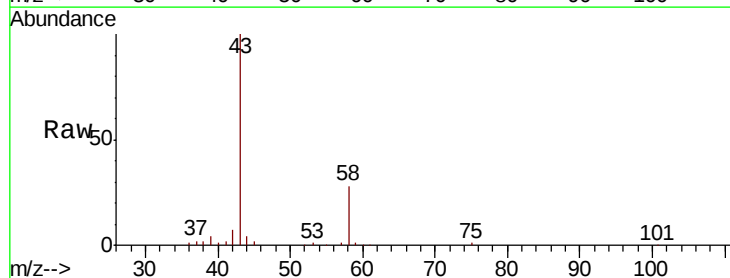
RT: 2.45 min Scan# 212

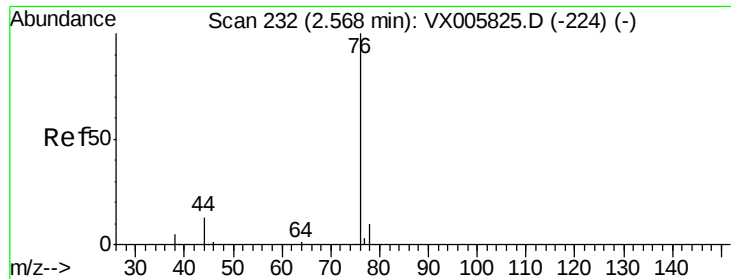
Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Tgt Ion:	43	Resp:	63268
Ion Ratio	Lower	Upper	
43	100		
58	27.6	23.8	35.6





#17

Carbon Disulfide

Concen: 18.948 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 76 Resp: 48541

Ion Ratio Lower Upper

76 100

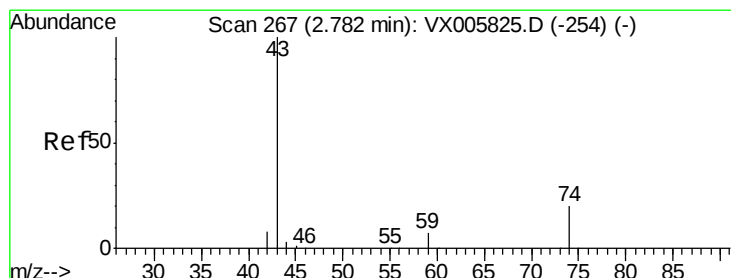
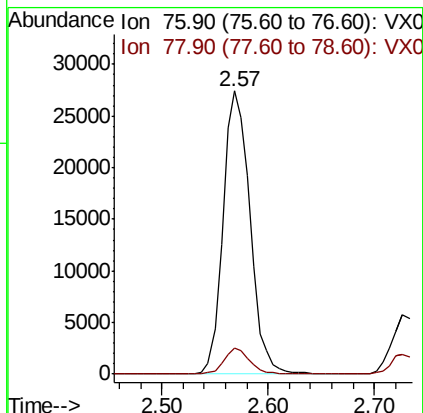
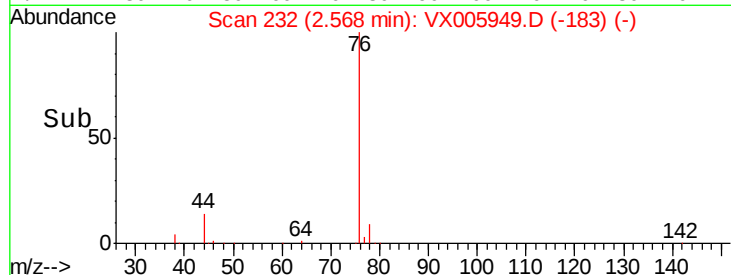
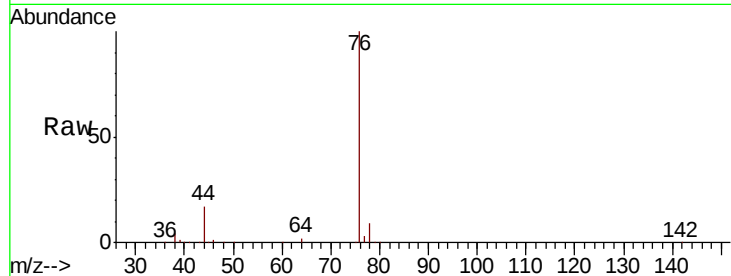
78 9.4 7.3 10.9

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#18

Methyl Acetate

Concen: 21.734 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005949.D

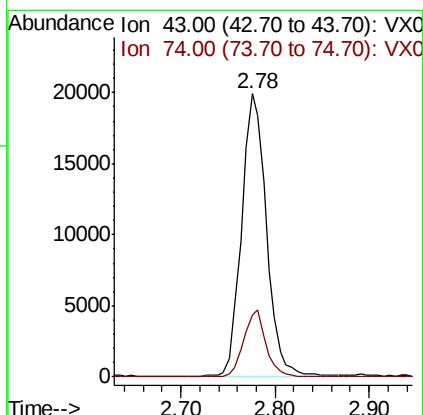
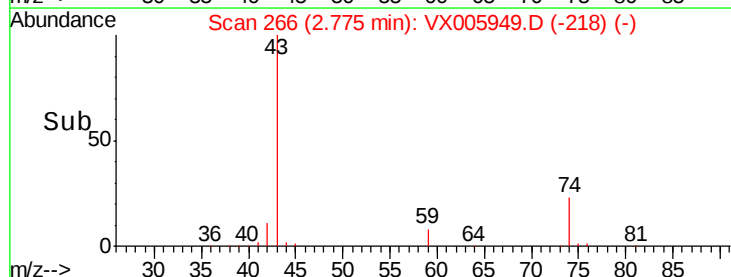
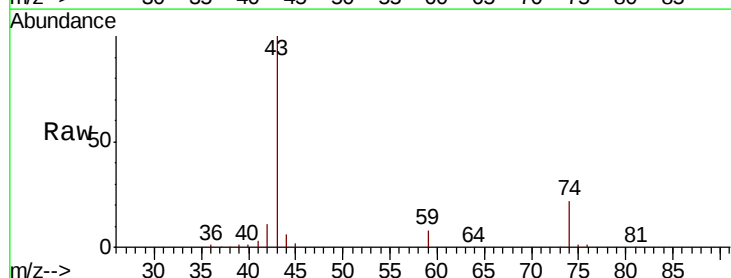
Acq: 13 Nov 2018 15:27

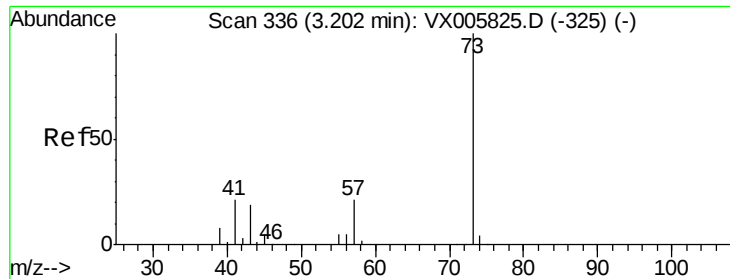
Tgt Ion: 43 Resp: 36383

Ion Ratio Lower Upper

43 100

74 21.2 16.8 25.2





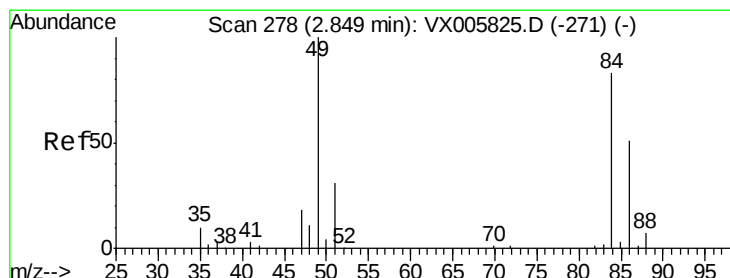
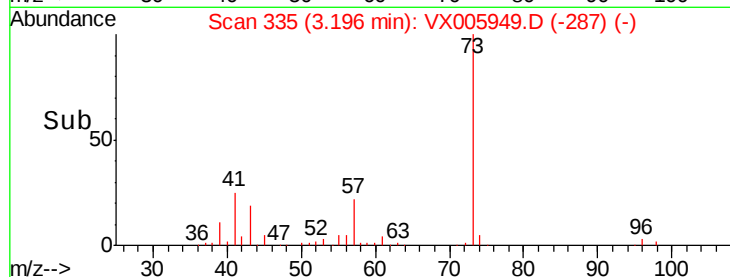
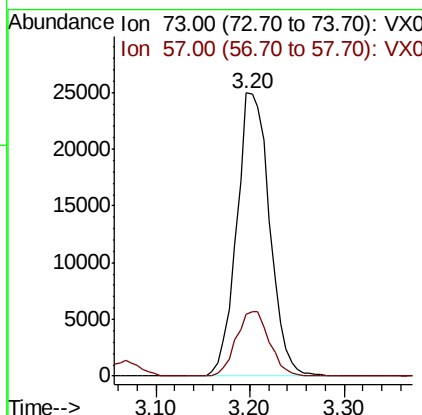
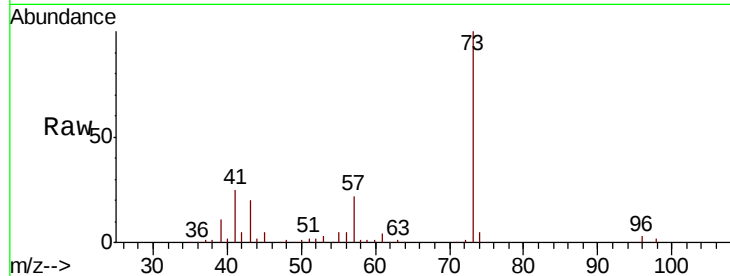
#19
Methyl tert-butyl Ether
Concen: 20.678 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion: 73 Resp: 60612
Ion Ratio Lower Upper
73 100
57 21.7 18.8 28.2

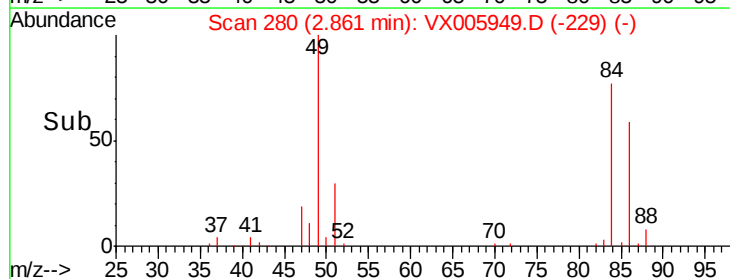
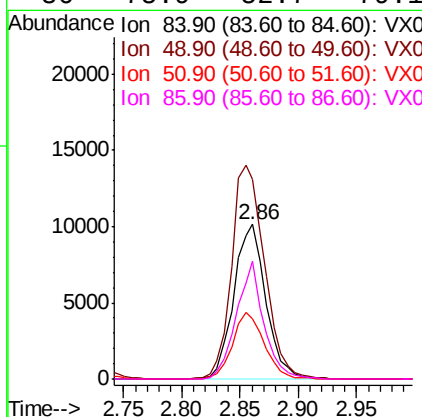
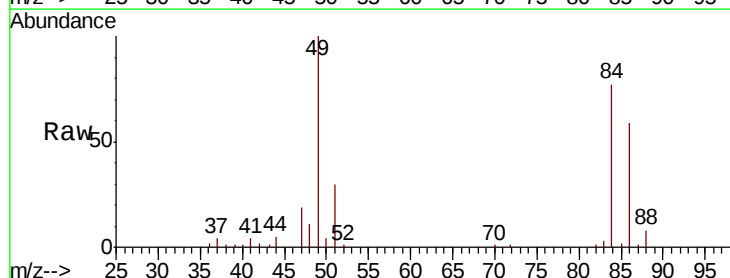
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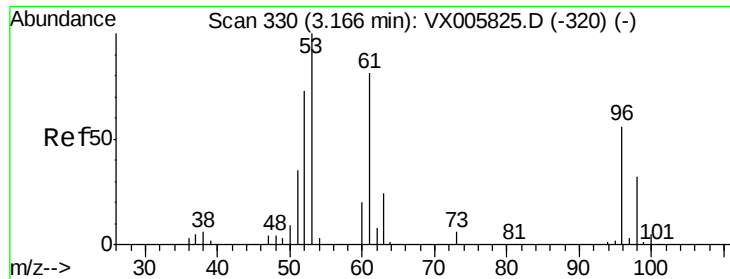
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#20
Methylene Chloride
Concen: 19.691 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion: 84 Resp: 19454
Ion Ratio Lower Upper
84 100
49 129.4 109.5 164.3
51 38.9 33.3 49.9
86 75.9 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.917 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 96 Resp: 18042

Ion Ratio Lower Upper

96 100

61 154.9 115.6 173.4

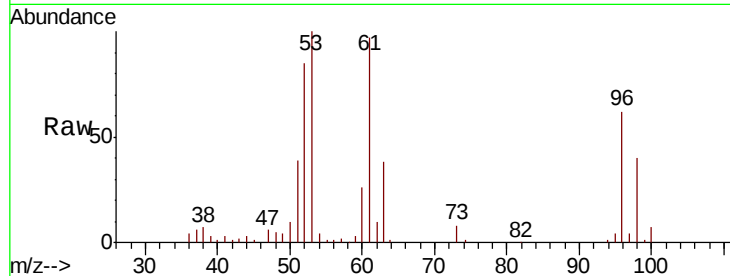
98 64.5 50.2 75.2

Manual Integrations

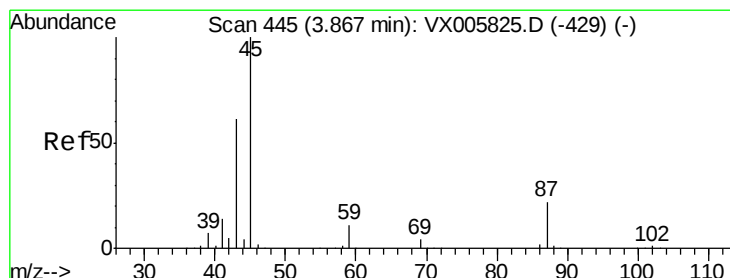
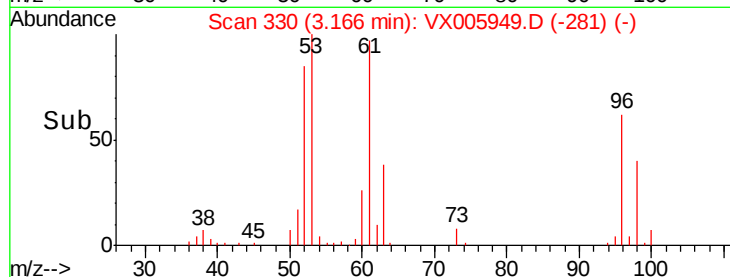
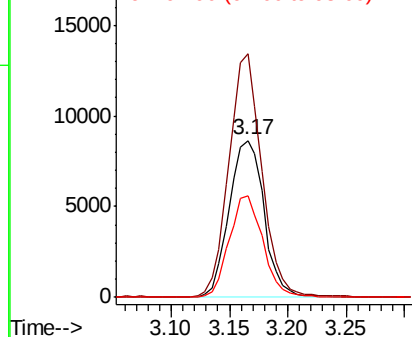
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.932 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Tgt Ion: 45 Resp: 66976

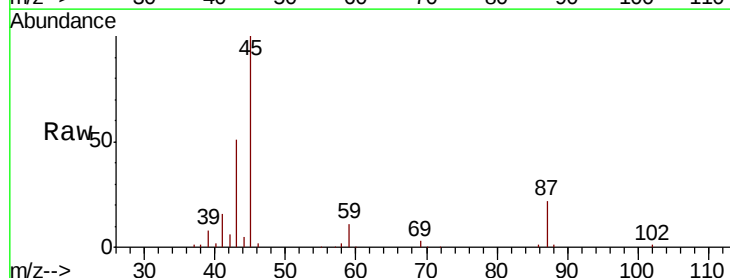
Ion Ratio Lower Upper

45 100

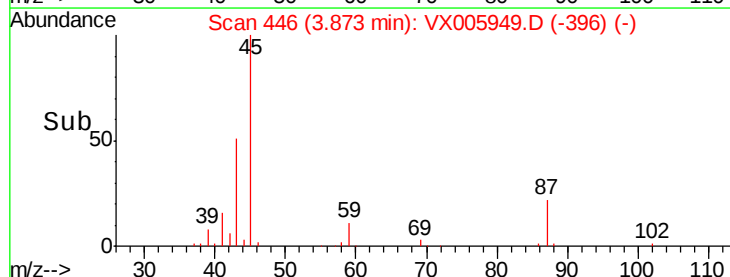
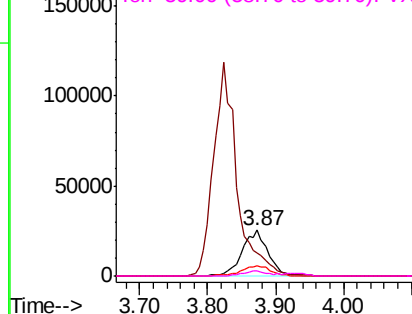
43 50.1 47.4 71.2

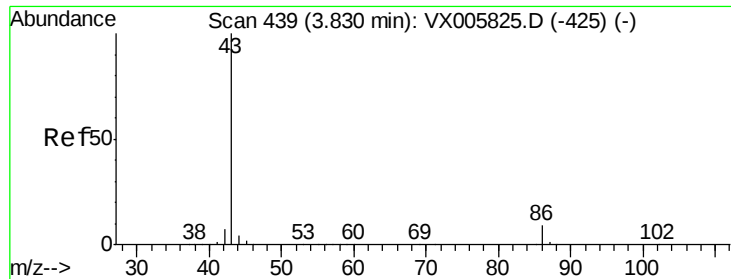
87 22.1 15.9 23.9

59 10.8 7.7 11.5



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





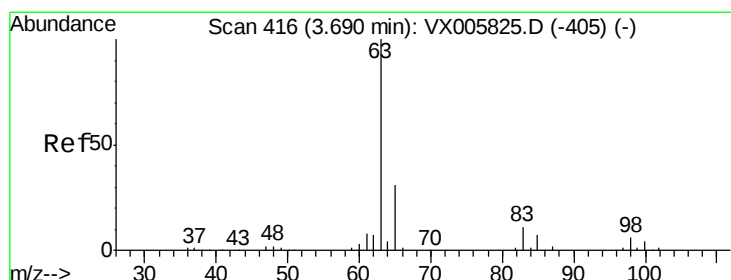
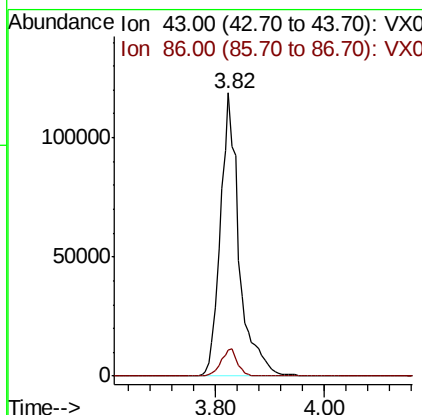
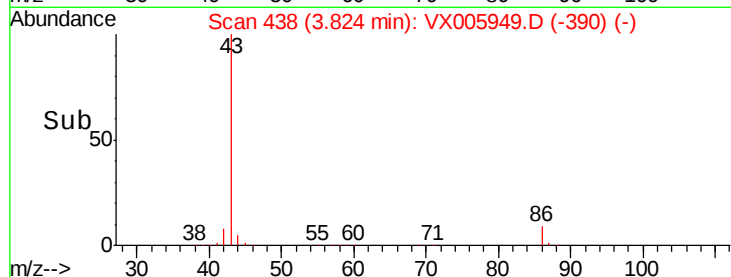
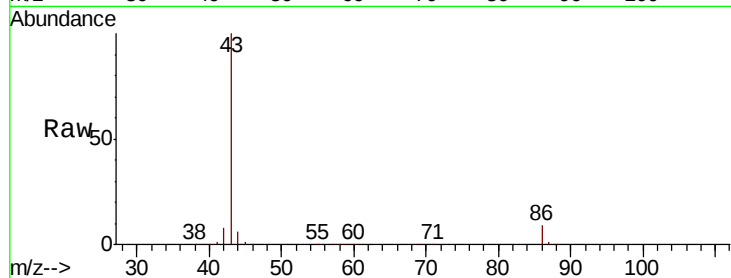
#23
 Vinyl Acetate
 Concen: 98.834 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.01 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.4	11.2

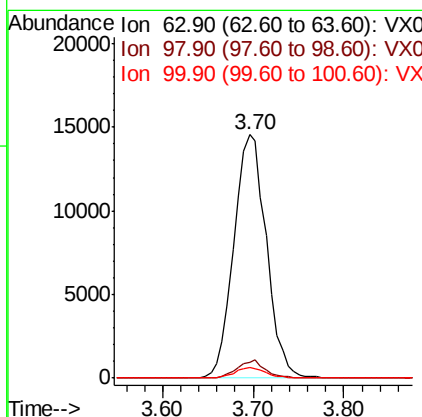
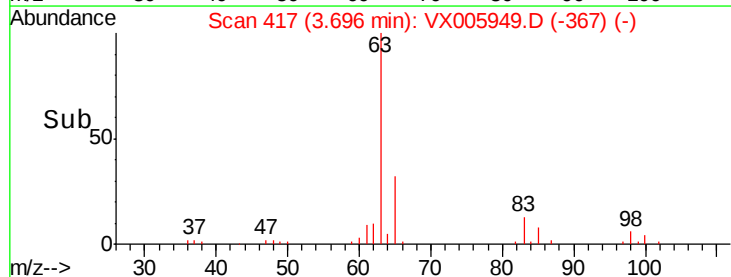
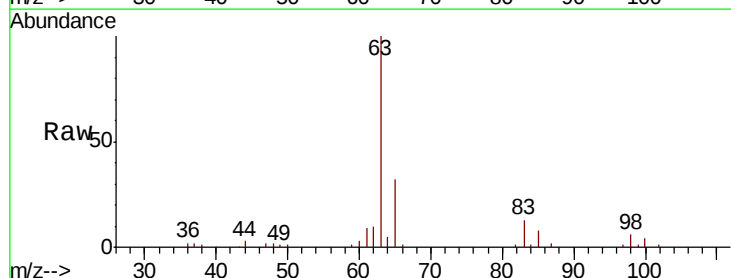
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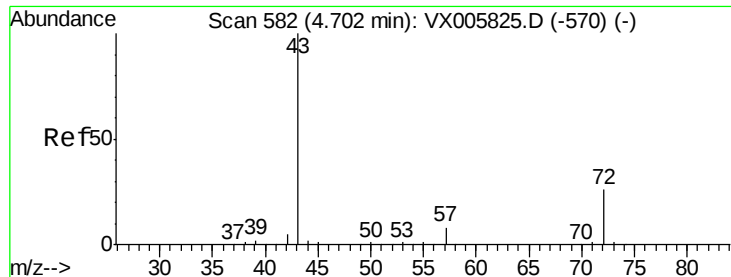
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#24
 1,1-Dichloroethane
 Concen: 20.167 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	4.1	2.1	6.2





#25

2-Butanone

Concen: 99.345 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 43 Resp: 93938

Ion Ratio Lower Upper

43 100

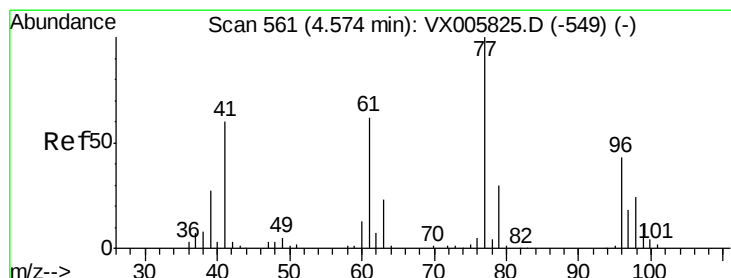
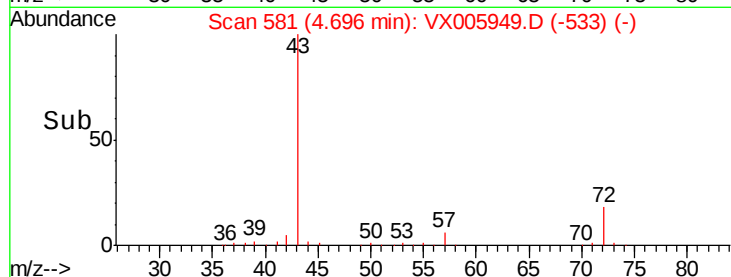
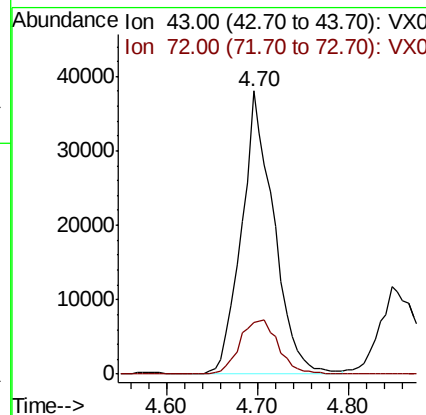
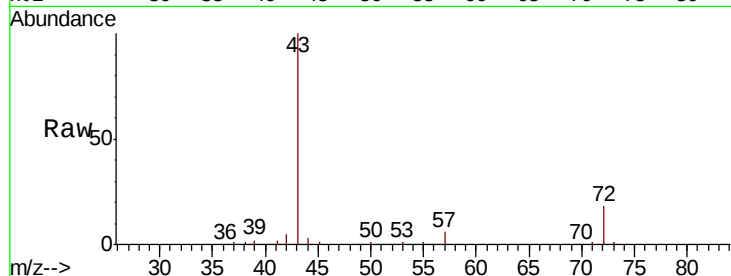
72 18.1 19.2 28.8#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.876 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005949.D

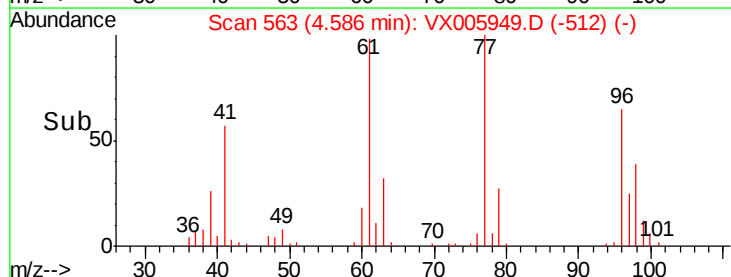
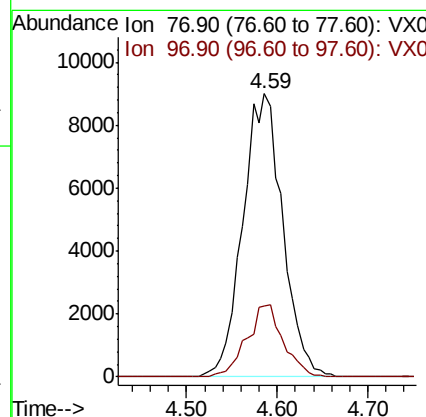
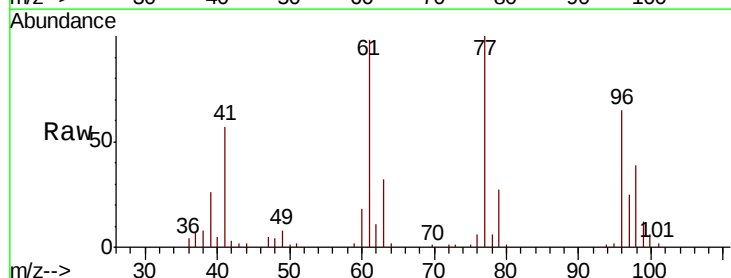
Acq: 13 Nov 2018 15:27

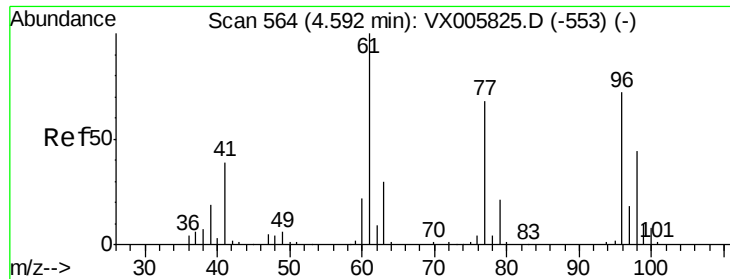
Tgt Ion: 77 Resp: 27453

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.5





#27

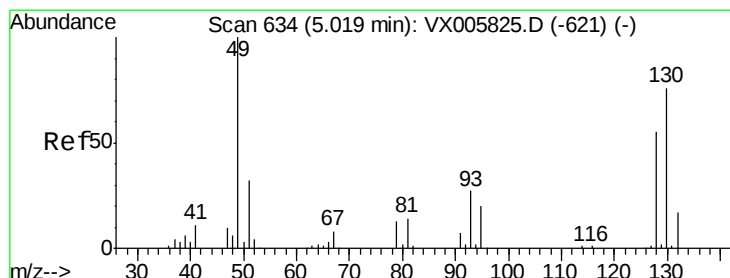
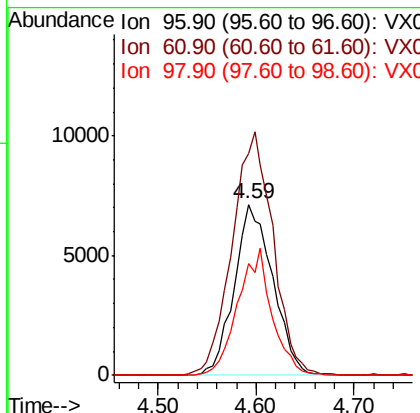
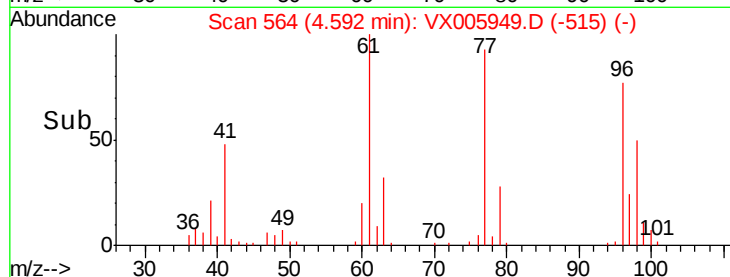
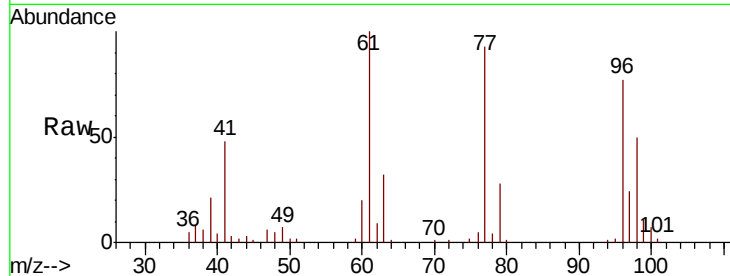
cis-1,2-Dichloroethene
Concen: 19.506 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	19511		
61	151.3	0.0	304.6	
98	65.5	0.0	127.4	

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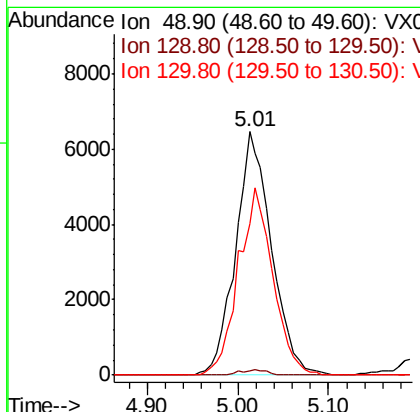
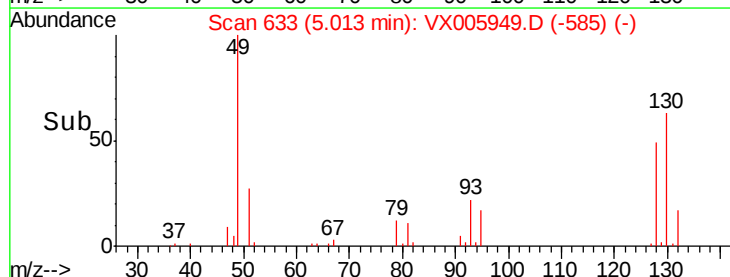
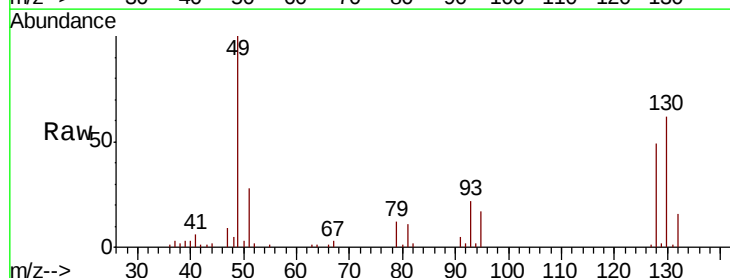
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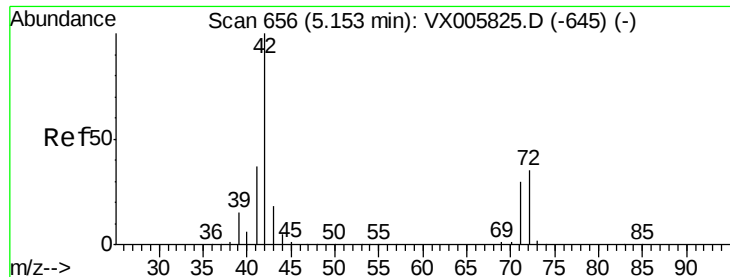


#28

Bromochloromethane
Concen: 22.108 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	17713		
129	1.7	0.0	4.0	
130	74.0	58.9	88.3	





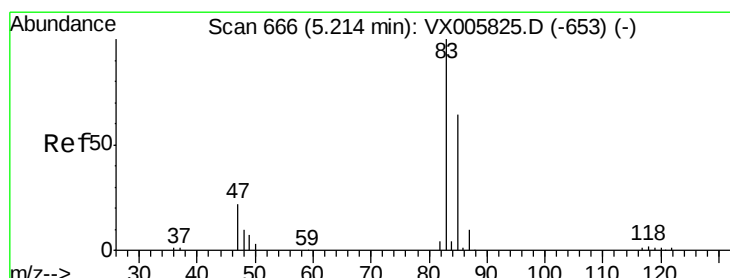
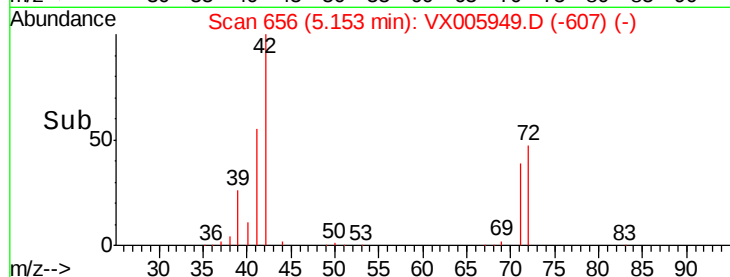
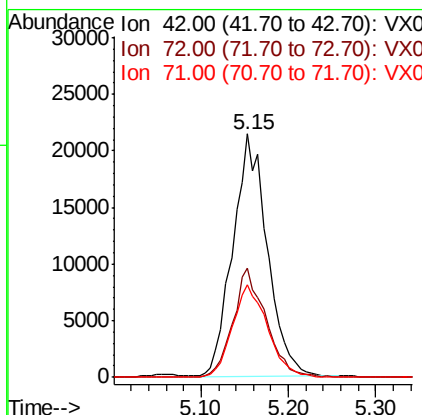
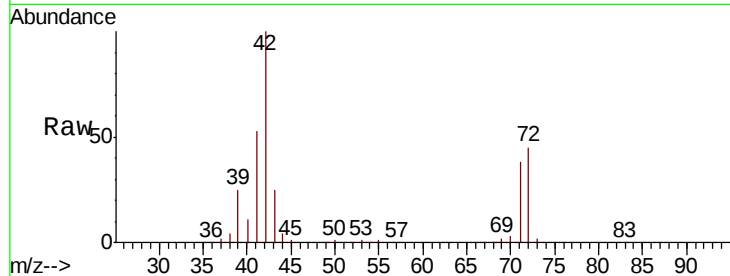
#29
Tetrahydrofuran
Concen: 96.649 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	32.0	48.0
71	38.8	29.8	44.8

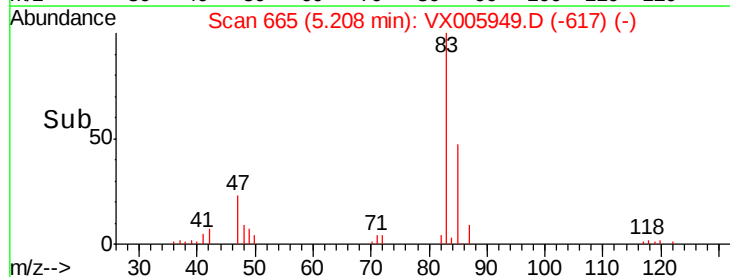
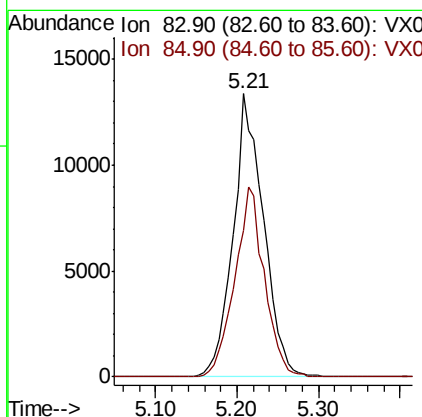
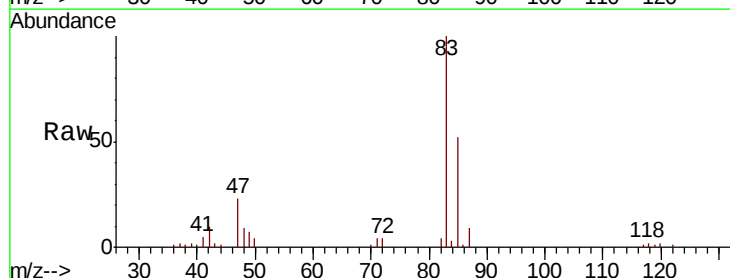
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APPROVED

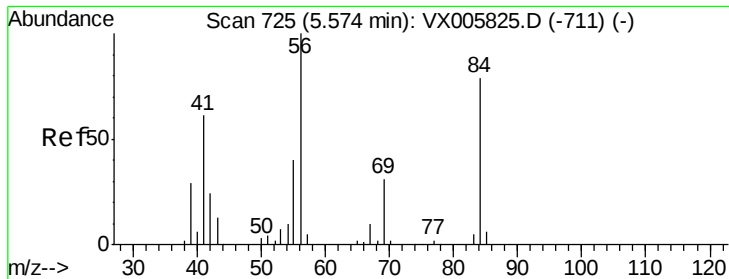
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#30
Chloroform
Concen: 19.873 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	51.6	50.6	76.0





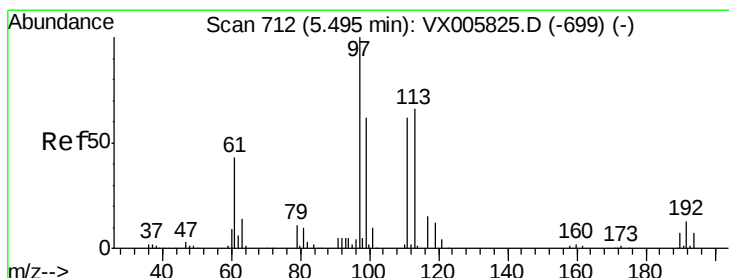
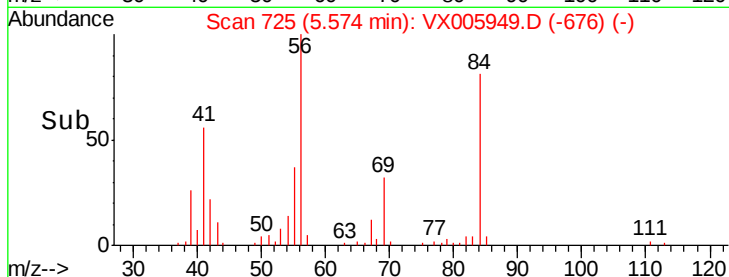
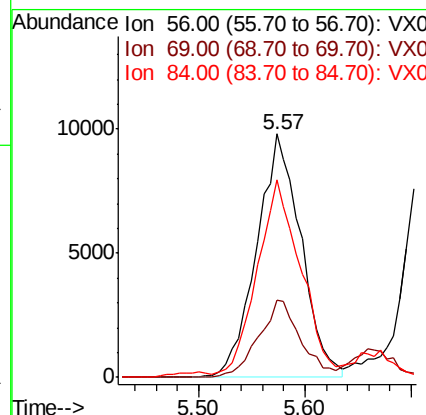
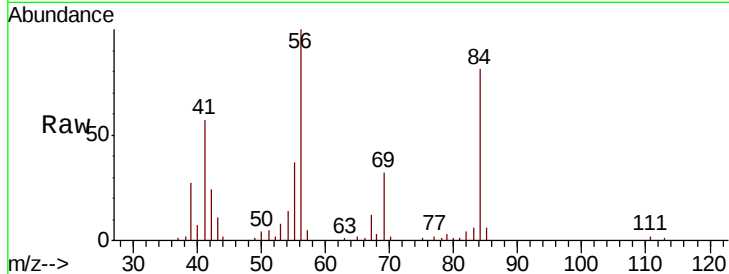
#31
Cyclohexane
Concen: 18.269 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	22.6	34.0
84	79.1	62.7	94.1

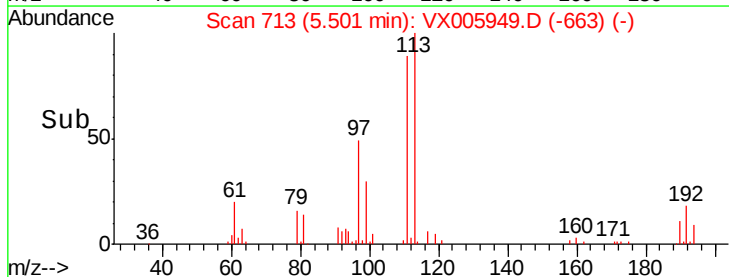
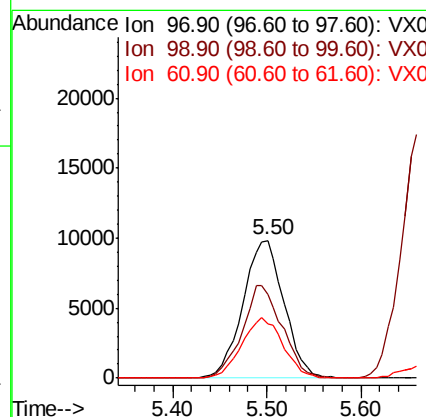
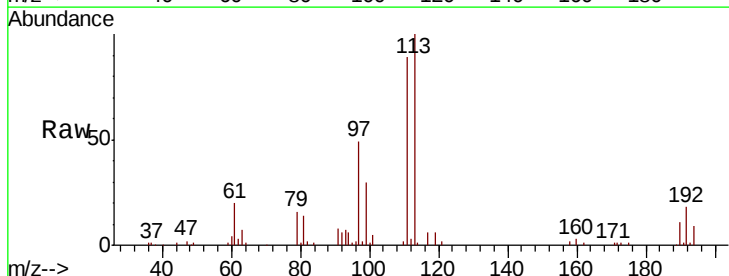
Manual Integrations
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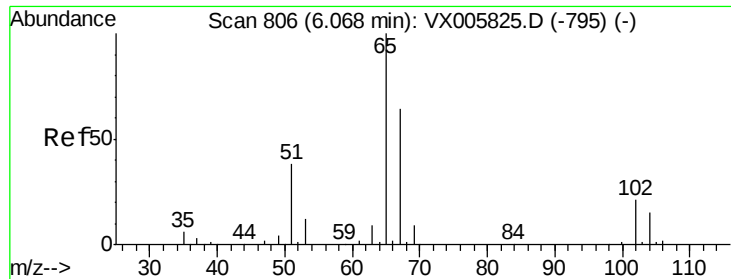
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#32
1,1,1-Trichloroethane
Concen: 20.732 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.3	78.5
61	44.4	35.2	52.8





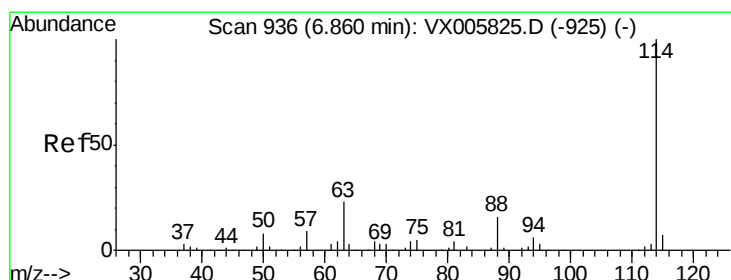
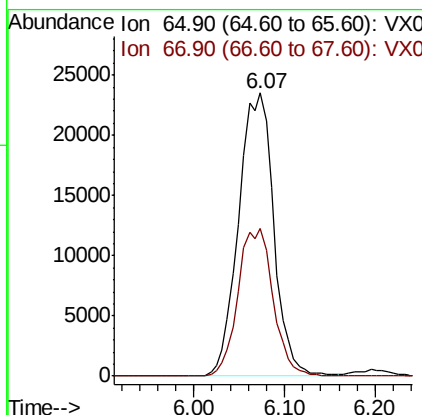
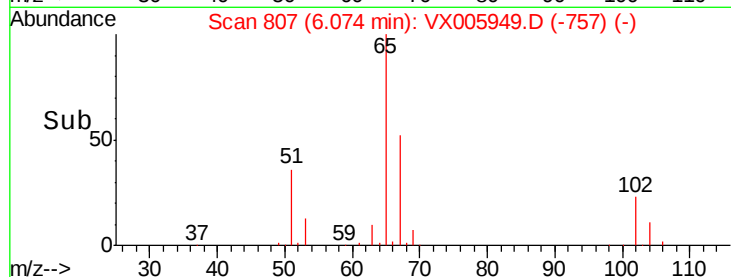
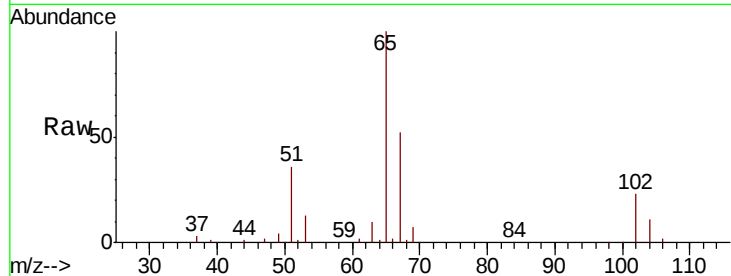
#33
 1,2-Dichloroethane-d4
 Concen: 56.611 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion: 65 Resp: 63237
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 105.0

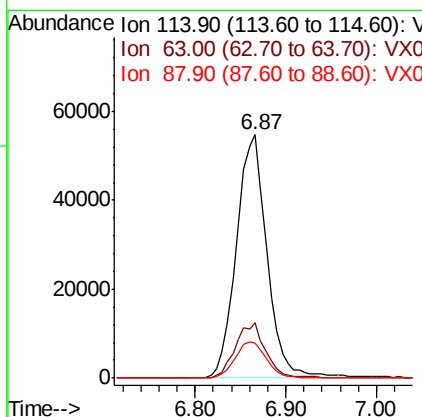
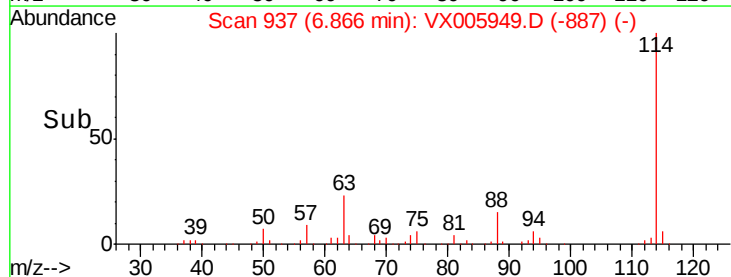
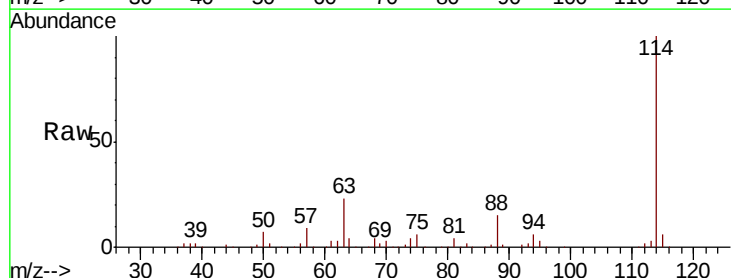
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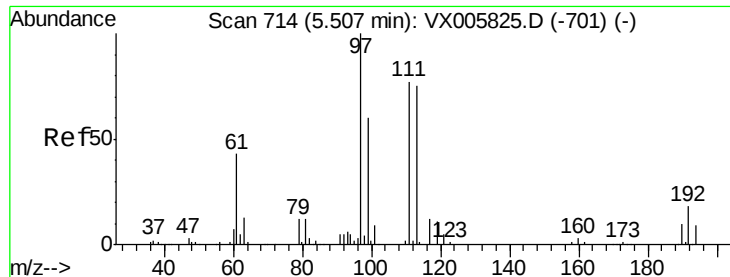
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Tgt Ion: 114 Resp: 128263
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 42.8
 88 14.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 58.993 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

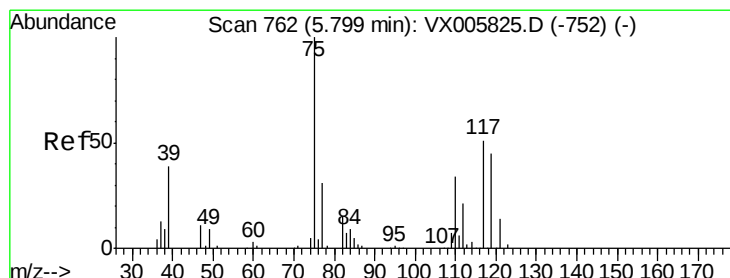
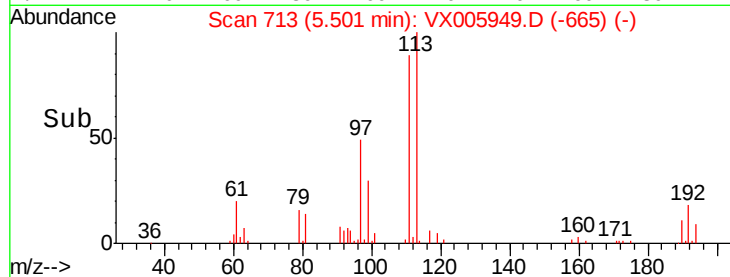
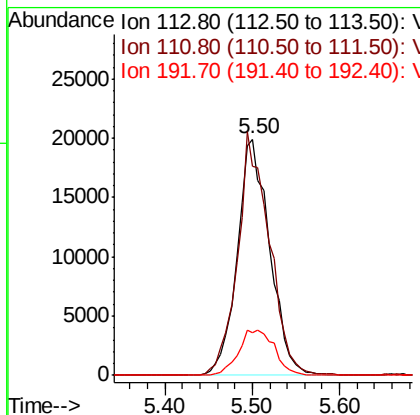
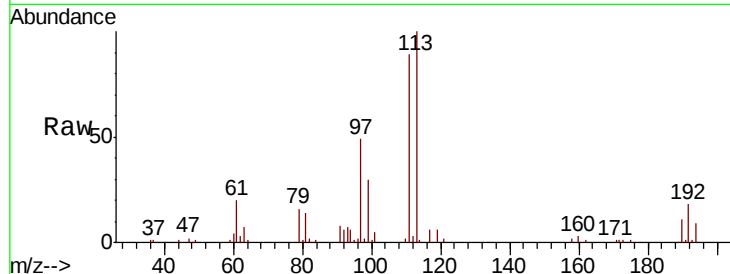
ClientSampleId :

VX1113WBSD01

Tot Ion:	113	Resp:	51464
Ion	Ratio	Lower	Upper
113	100		
111	100.1	82.3	123.5
192	21.2	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 19.822 ug/l

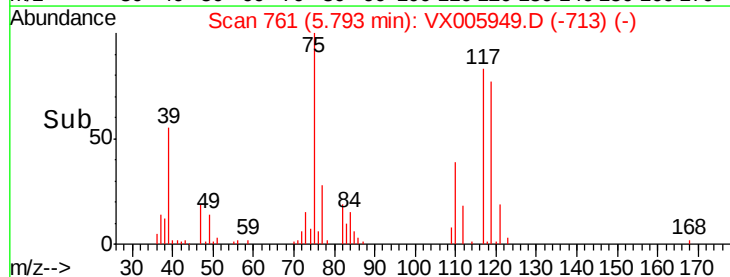
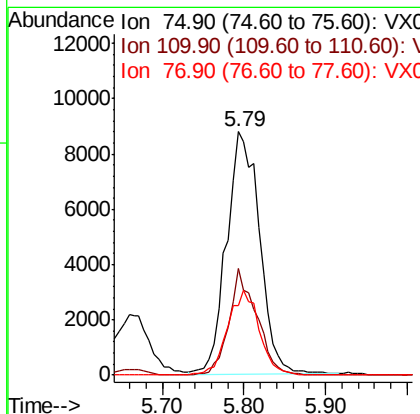
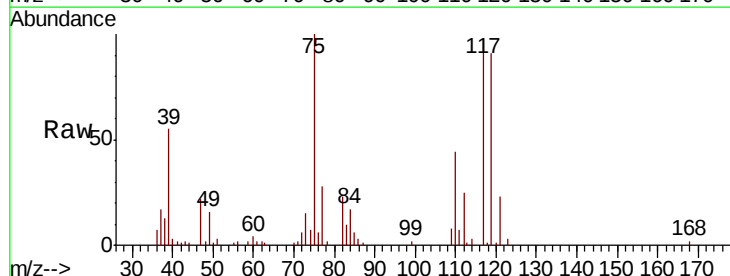
RT: 5.79 min Scan# 761

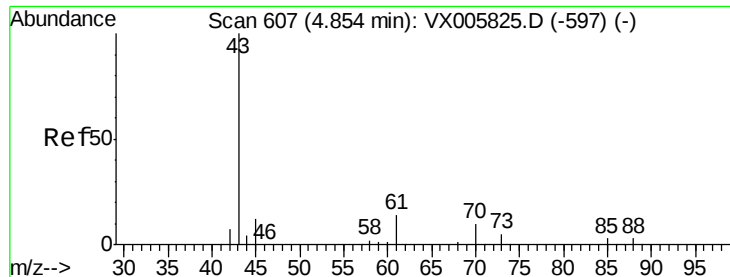
Delta R.T. -0.01 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Tgt Ion:	75	Resp:	24509
Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.4	52.2
77	33.3	25.8	38.6





#37

Ethyl Acetate

Concen: 20.622 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

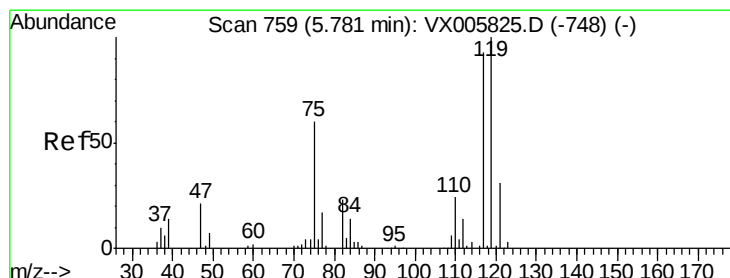
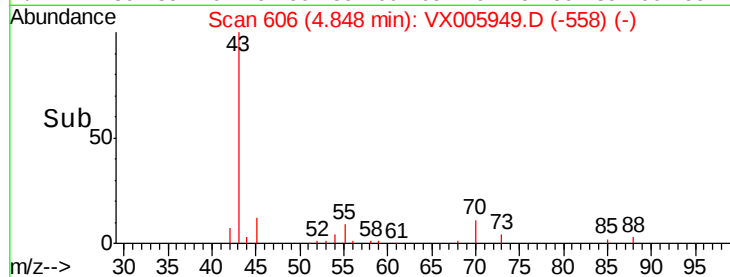
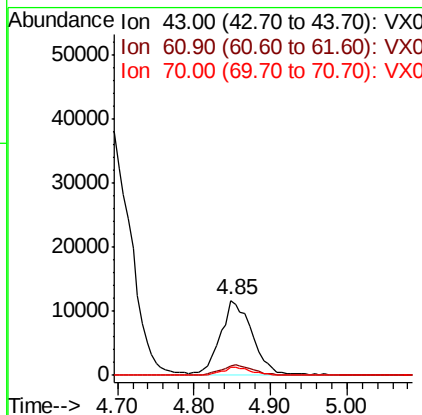
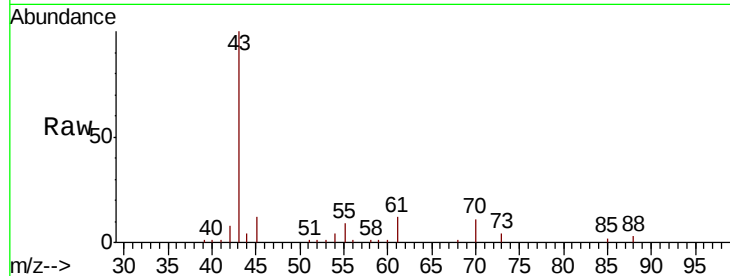
ClientSampleId :

VX1113WBSD01

Tot Ion:	43	Resp:	33531
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	10.1	7.8	11.8

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#38

Carbon Tetrachloride

Concen: 21.182 ug/l

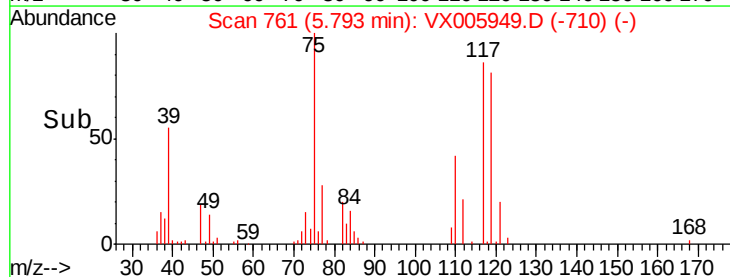
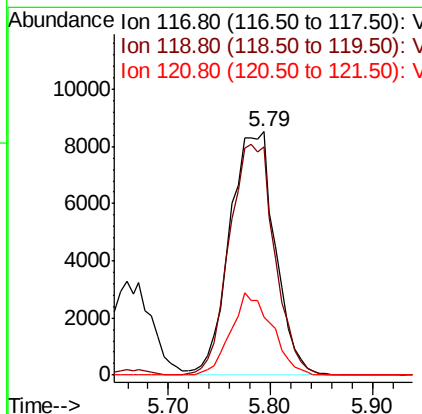
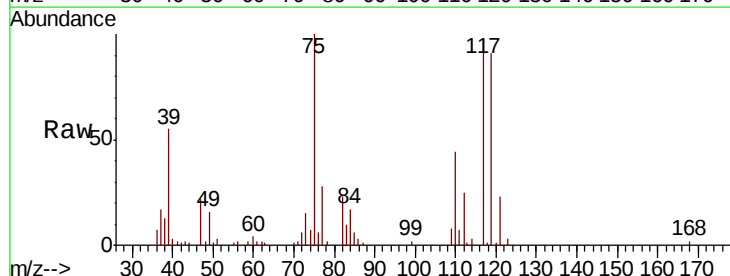
RT: 5.79 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Tgt Ion:	117	Resp:	26220
Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.1	117.1
121	24.1	24.6	36.8#





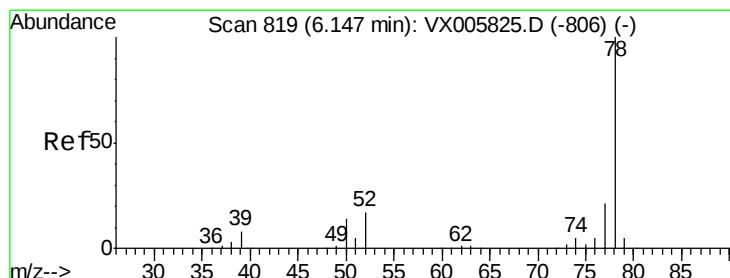
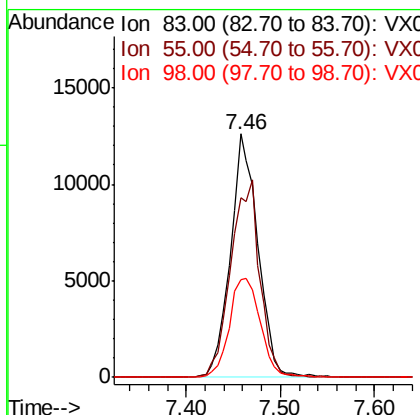
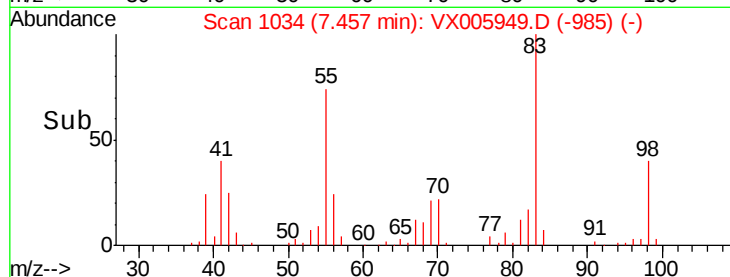
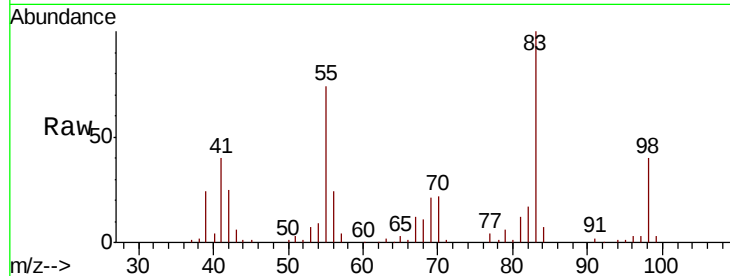
#39
Methvlcvclohexane
Concen: 20.486 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	63.7	95.5
98	40.0	36.2	54.2

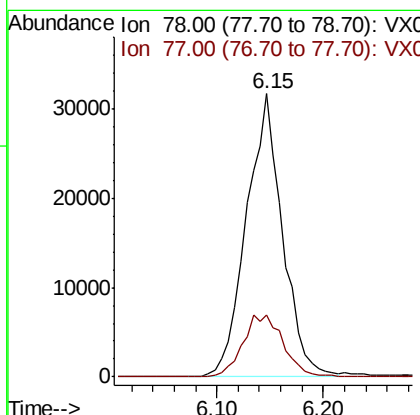
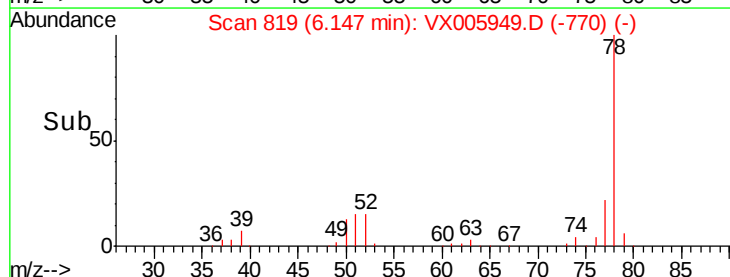
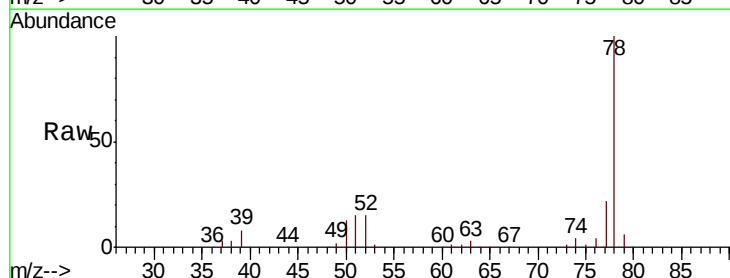
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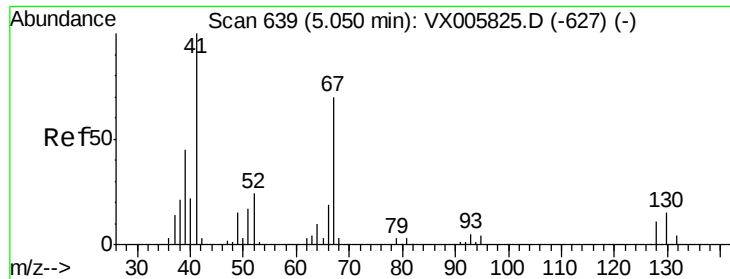
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#40
Benzene
Concen: 20.926 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.4	27.6





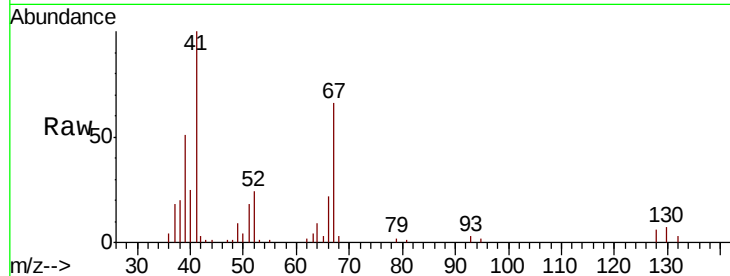
#41
Methacrylonitrile
Concen: 20.004 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

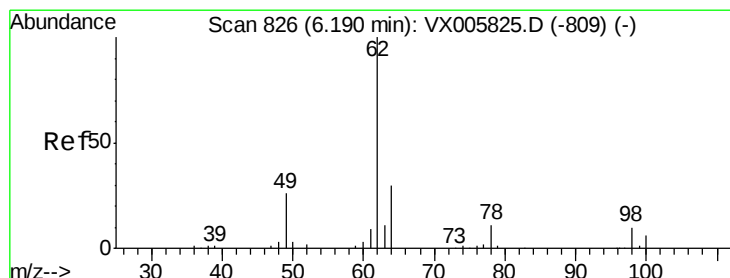
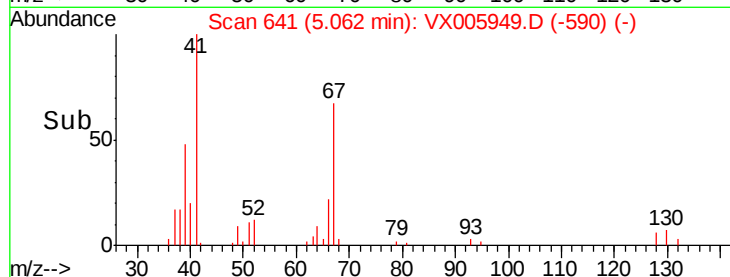
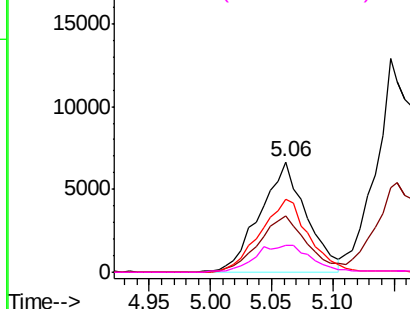
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.0	42.2	63.2	
67	69.6	53.4	80.0	
52	30.5	23.4	35.2	

Manual Integrations
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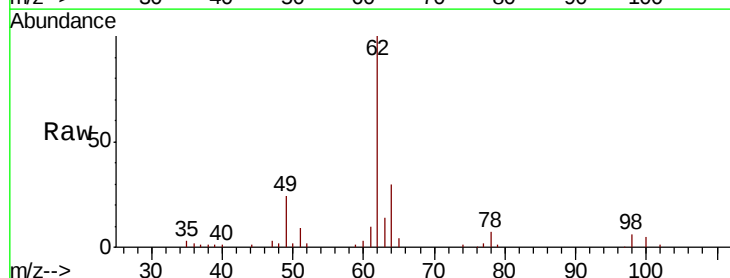


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

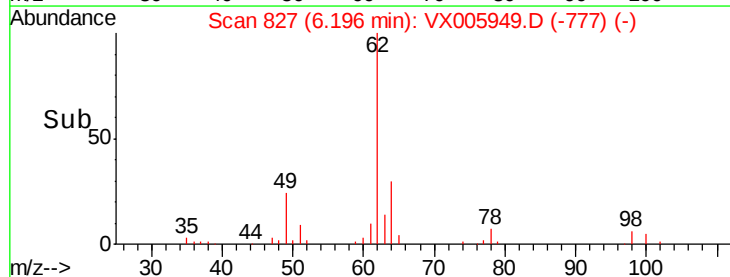
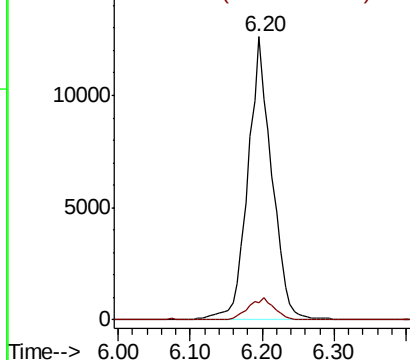


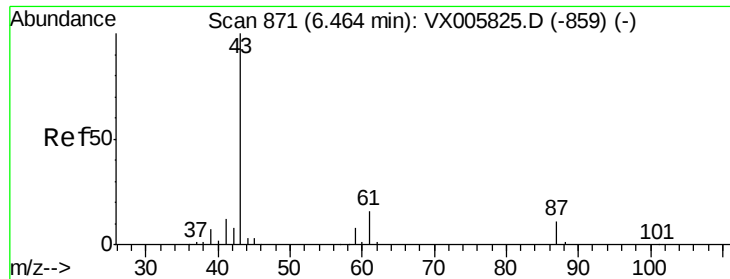
#42
1,2-Dichloroethane
Concen: 22.462 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.8	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

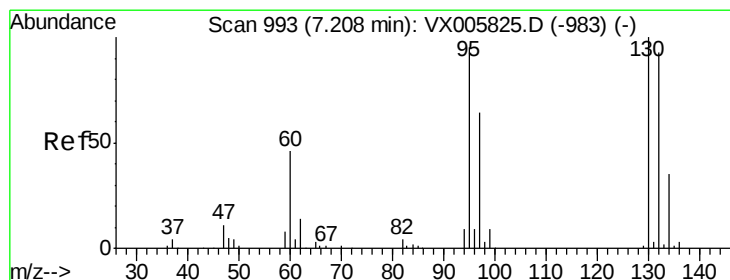
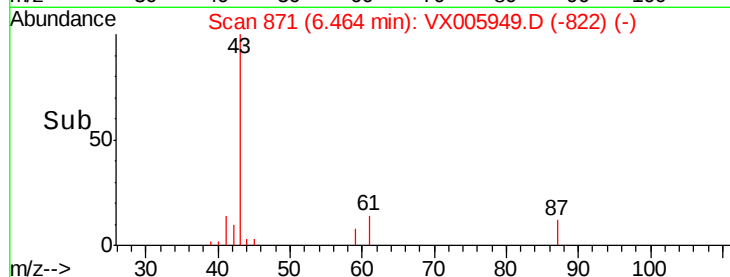
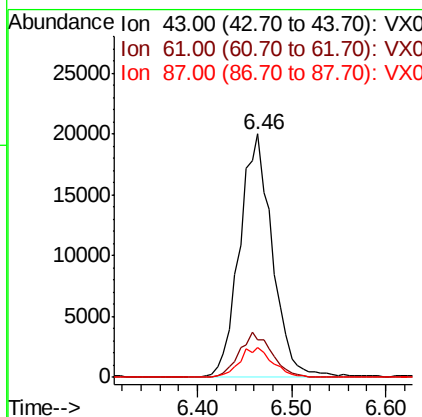
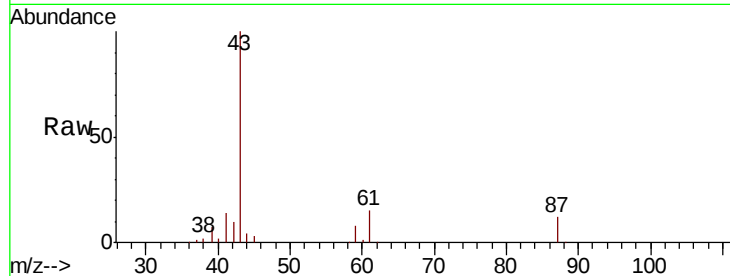
Isopropyl Acetate
 Concen: 20.685 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.6	22.0
87	12.2	9.6	14.4

Manual Integrations
 APPROVED

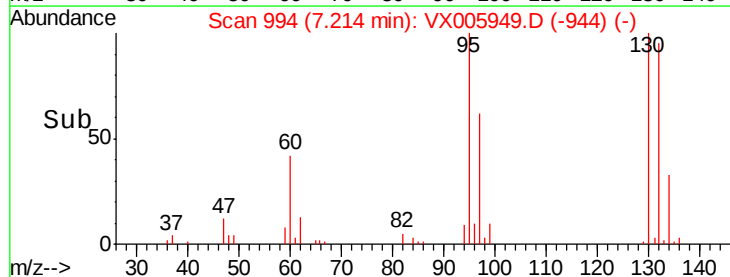
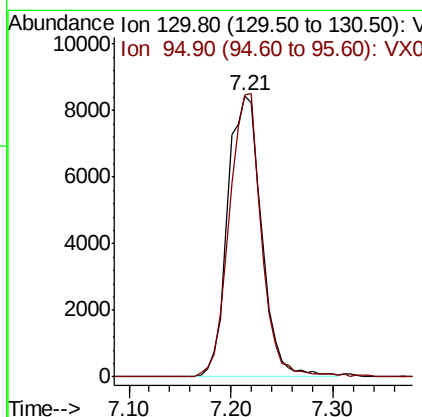
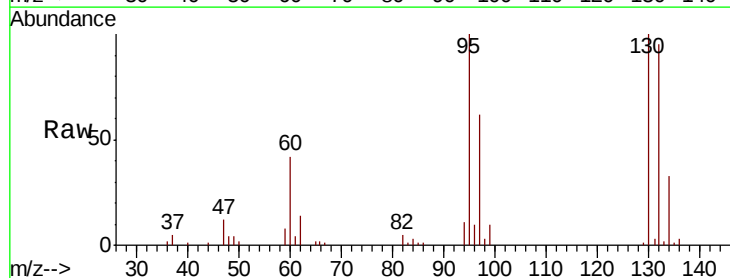
MMDadoda
 11/14/2018 9:51:27 AM

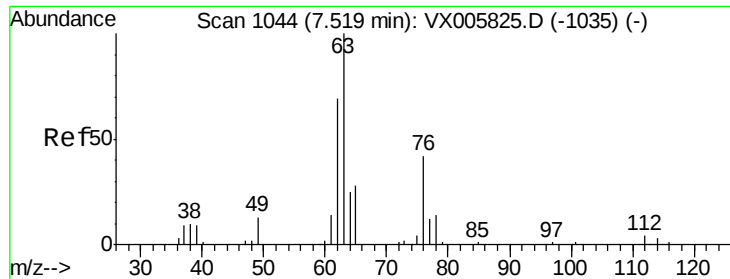


#44

Trichloroethene
 Concen: 21.166 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	194.2





#45

1,2-Dichloropropane

Concen: 22.256 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 63 Resp: 19472

Ion Ratio Lower Upper

63 100

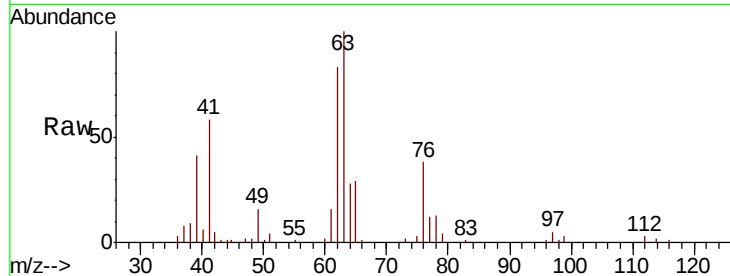
65 29.2 24.8 37.2

Manual Integrations

APPROVED

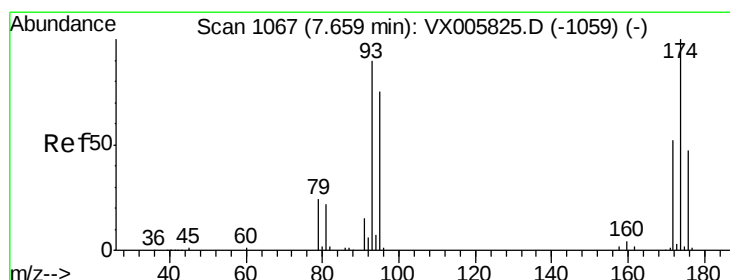
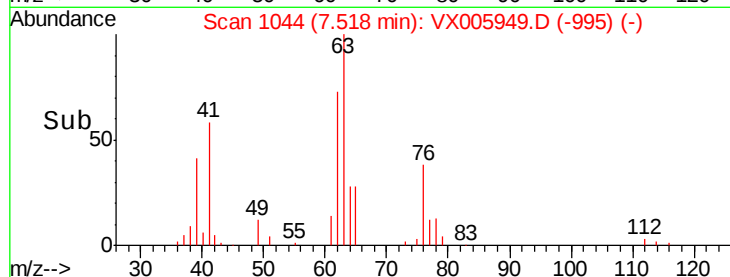
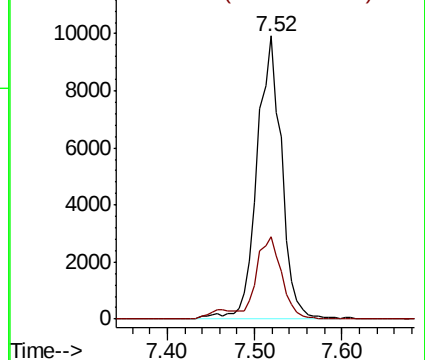
MMDadoda

11/14/2018 9:51:27 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 21.653 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

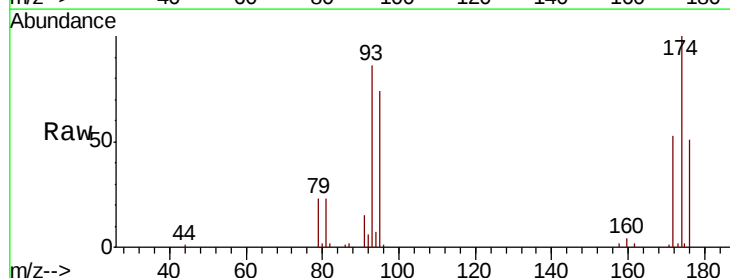
Tgt Ion: 93 Resp: 11888

Ion Ratio Lower Upper

93 100

95 82.4 67.4 101.0

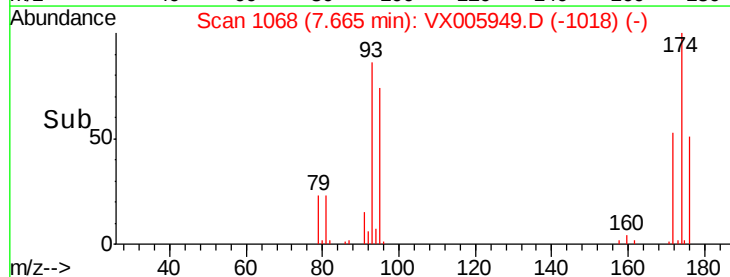
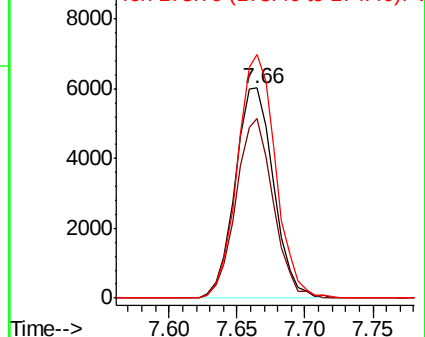
174 115.1 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





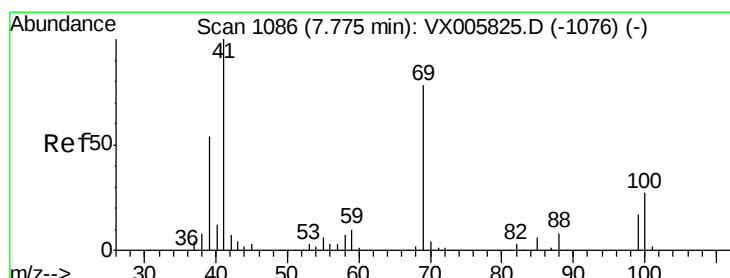
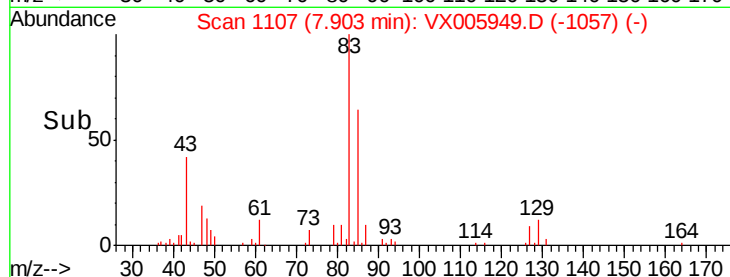
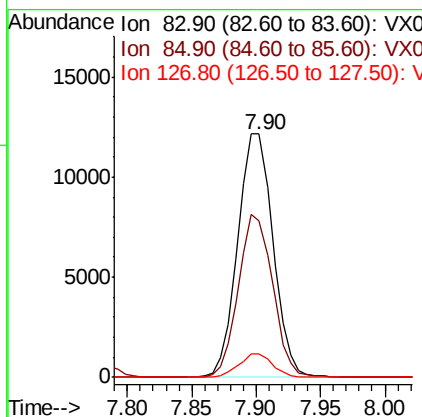
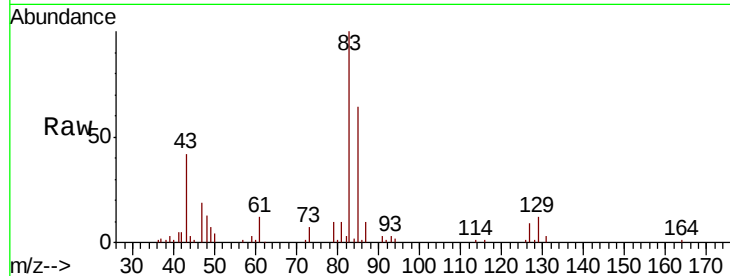
#47
 Bromodichloromethane
 Concen: 22.291 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.2	75.4
127	9.4	6.9	10.3

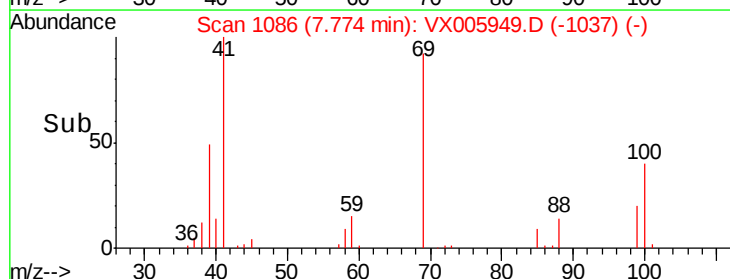
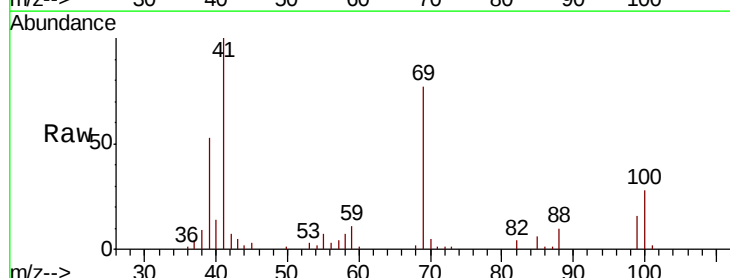
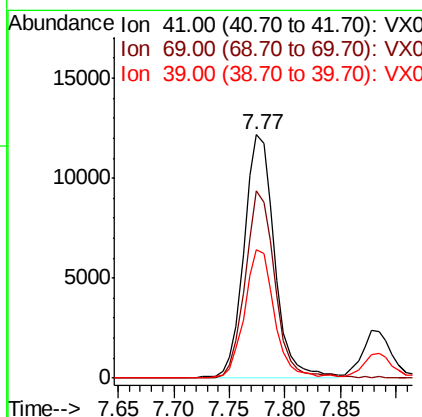
Manual Integrations
 APPROVED

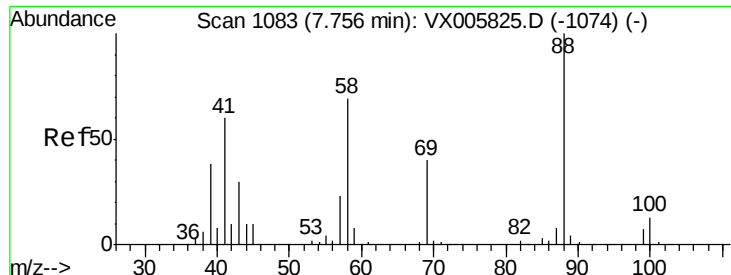
MMDadoda
 11/14/2018 9:51:27 AM



#48
 Methyl methacrylate
 Concen: 22.069 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.9	63.2	94.8
39	51.8	42.2	63.2





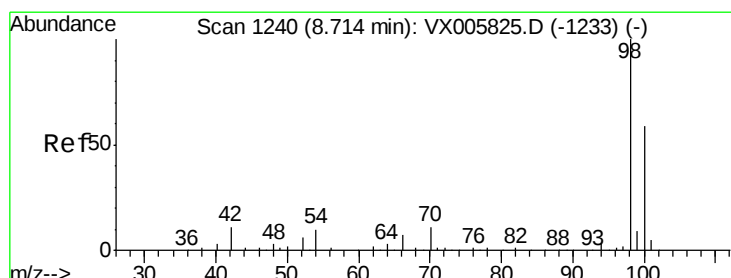
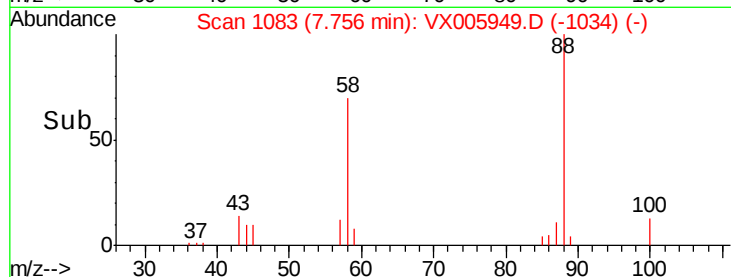
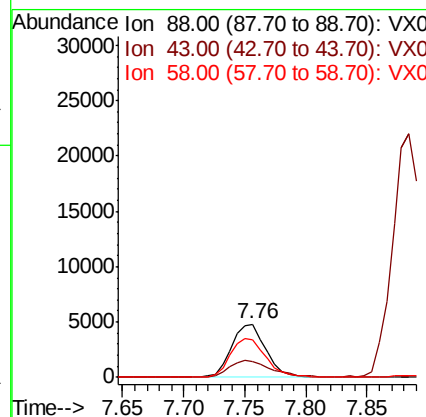
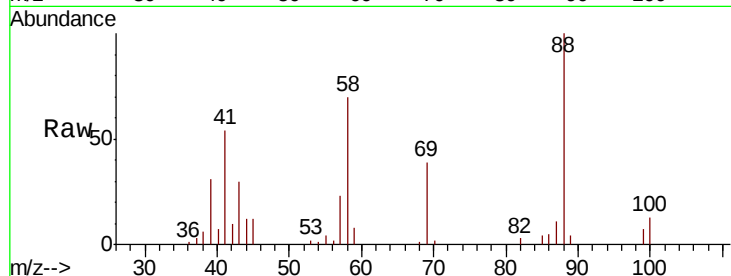
#49
1,4-Dioxane
Concen: 407.949 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	27.4	41.0
58	76.0	59.4	89.2

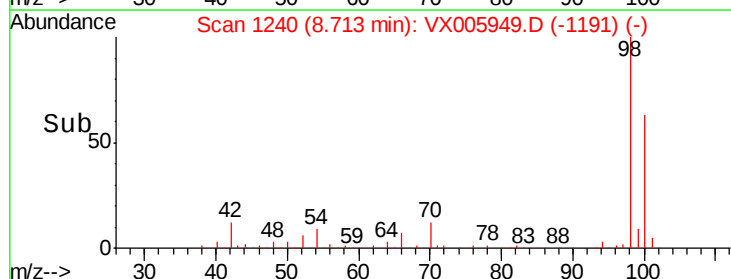
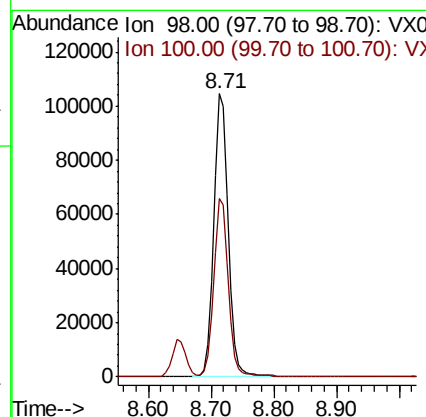
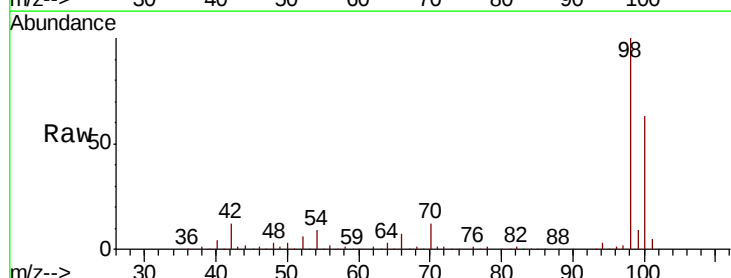
Manual Integrations
APPROVED

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11/14/2018 9:51:27 AM



#50
Toluene-d8
Concen: 57.738 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 109.807 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 43 Resp: 163053

Ion Ratio Lower Upper

43 100

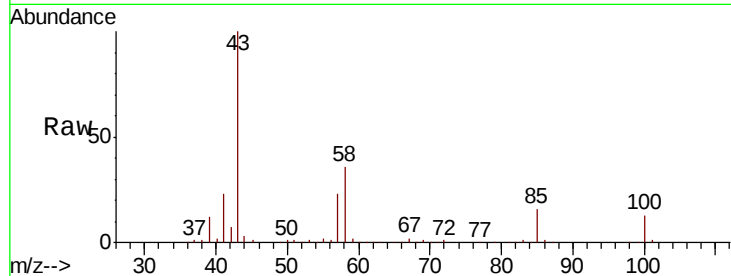
58 36.5 29.7 44.5

Manual Integrations

APPROVED

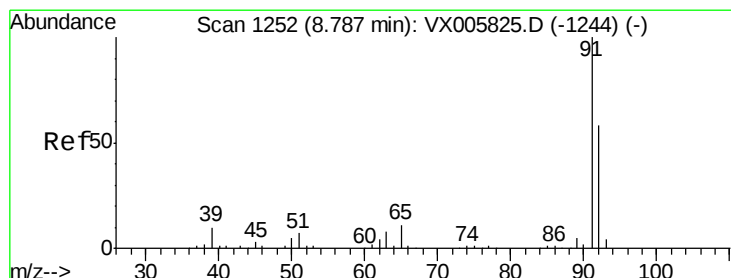
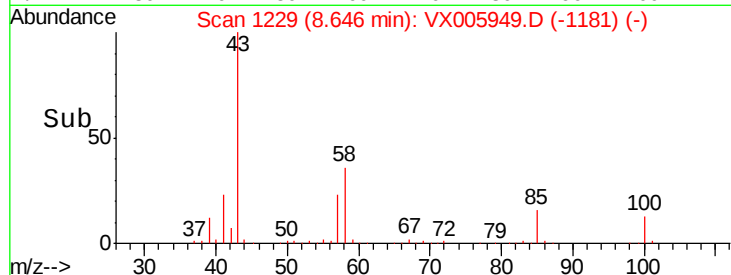
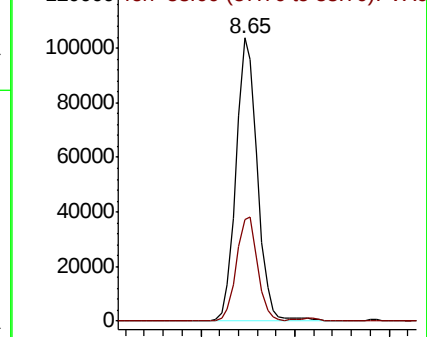
MMDadoda

11/14/2018 9:51:27 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 21.148 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005949.D

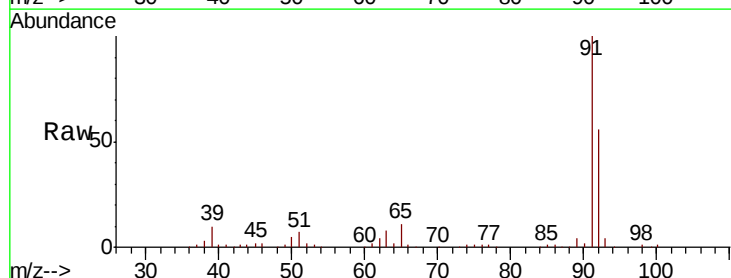
Acq: 13 Nov 2018 15:27

Tgt Ion: 92 Resp: 42604

Ion Ratio Lower Upper

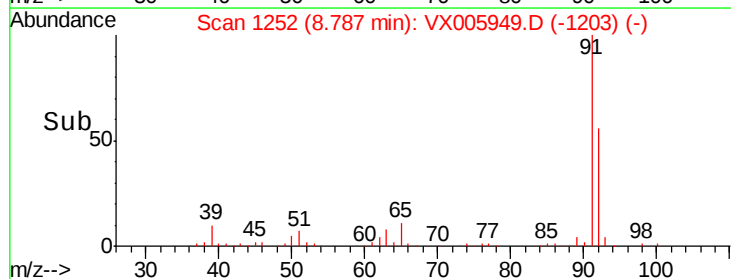
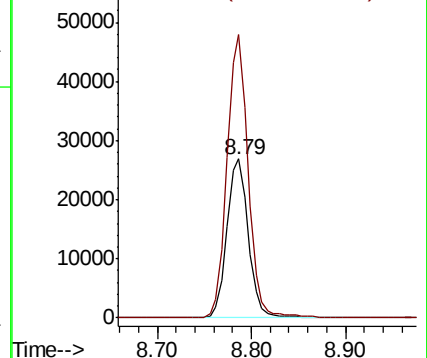
92 100

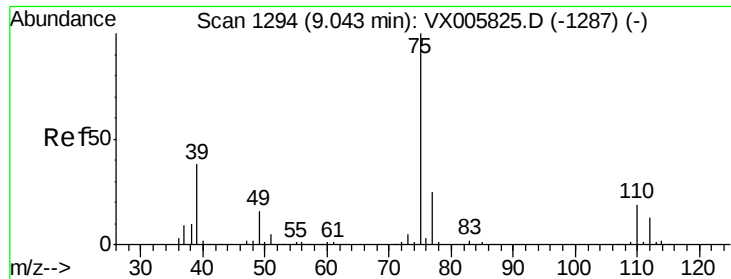
91 175.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





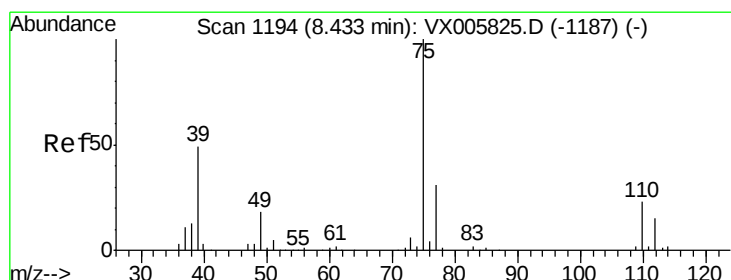
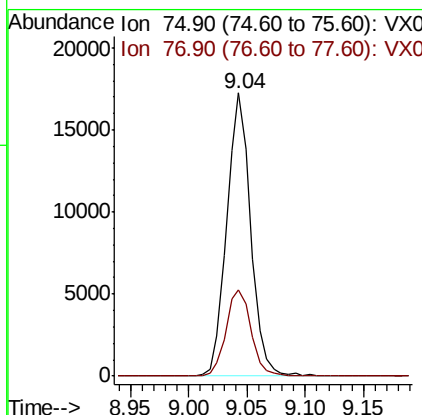
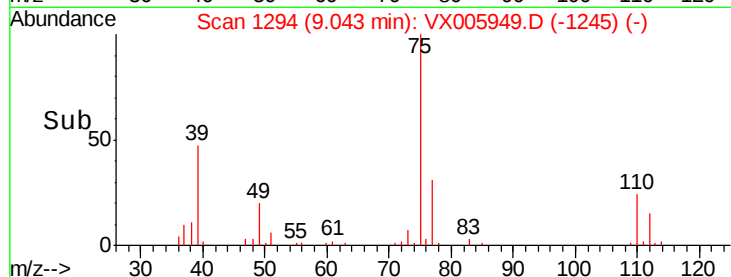
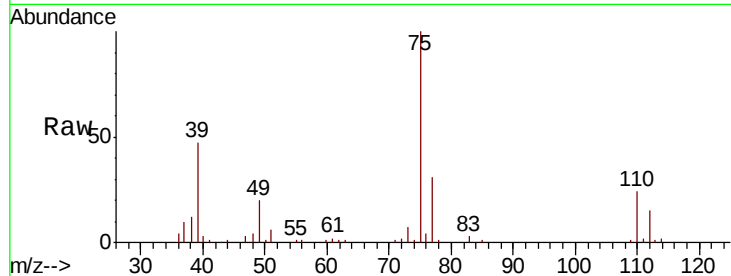
#53
t-1,3-Dichloropropene
Concen: 20.090 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion: 75 Resp: 24598
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.2

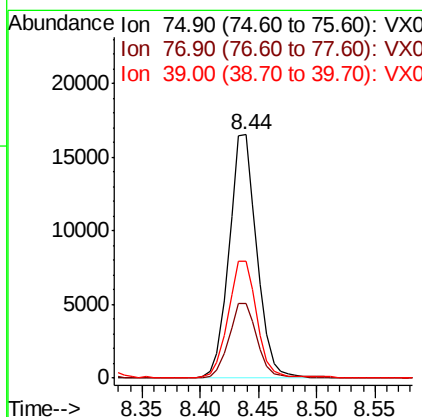
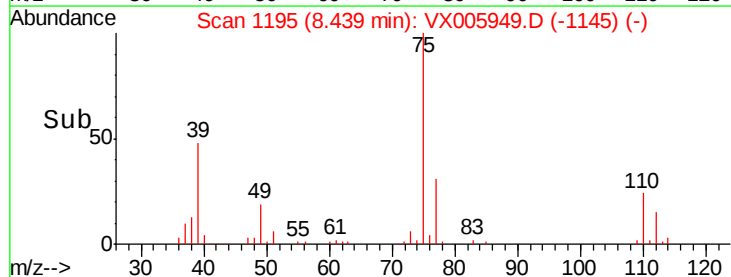
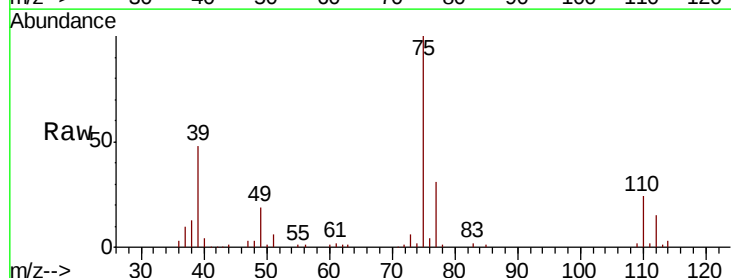
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 21.979 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion: 75 Resp: 27430
Ion Ratio Lower Upper
75 100
77 30.6 25.2 37.8
39 47.9 38.2 57.2





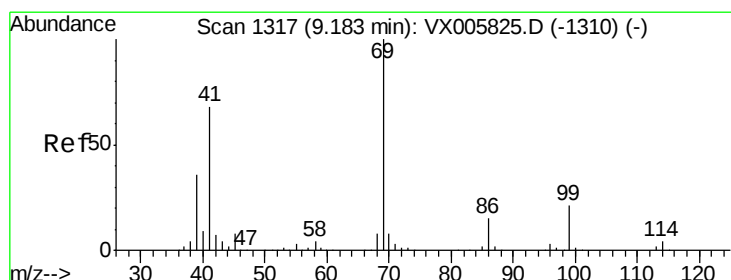
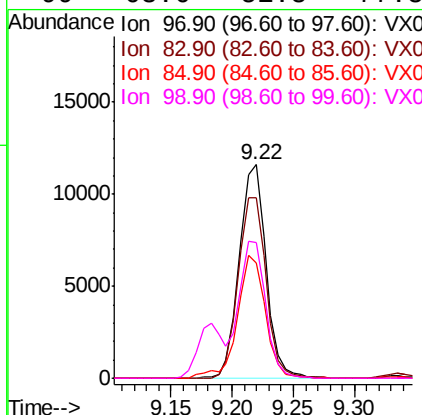
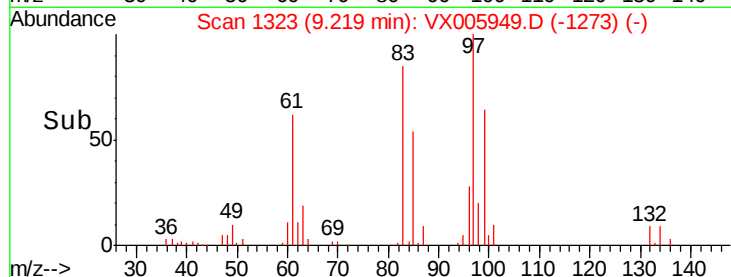
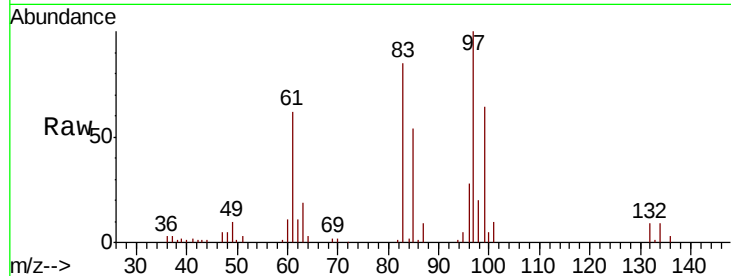
#55
 1,1,2-Trichloroethane
 Concen: 19.736 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		17720		
83	84.6	70.7	106.1		
85	53.9	45.8	68.6		
99	63.6	51.8	77.8		

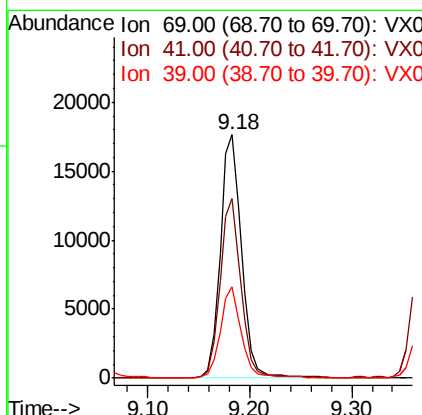
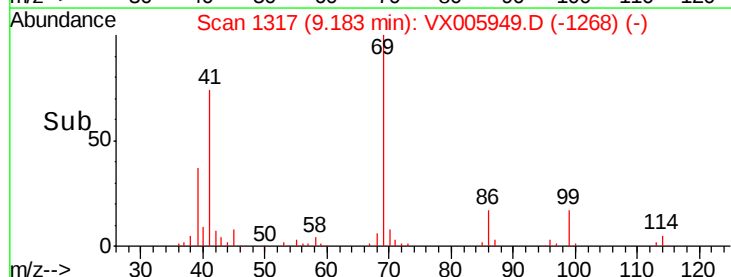
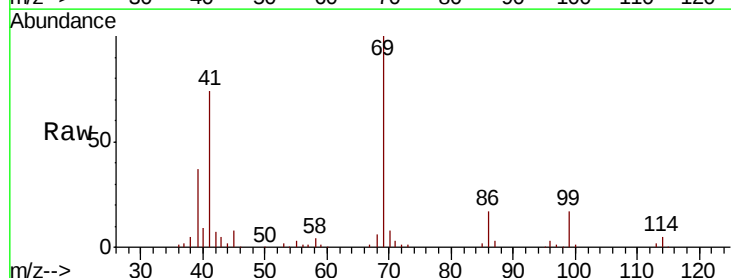
Manual Integrations
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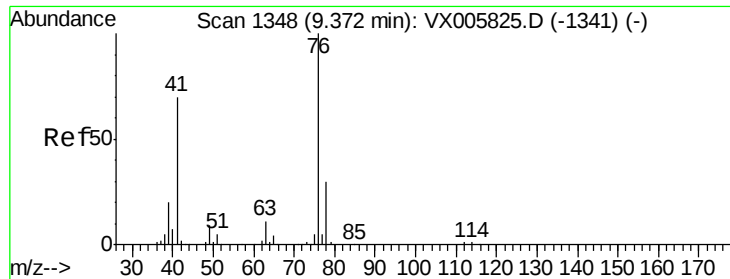
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#56
 Ethyl methacrylate
 Concen: 19.012 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		25541		
41	73.6	57.0	85.6		
39	37.7	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 19.725 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 76 Resp: 29762

Ion Ratio Lower Upper

76 100

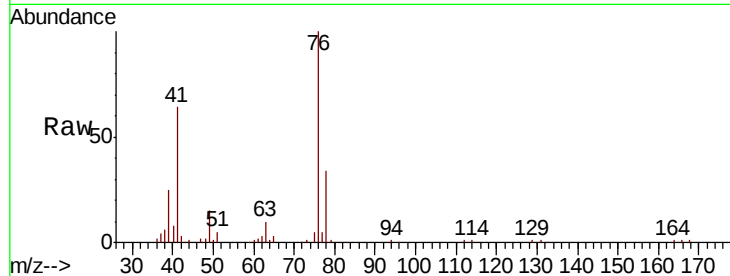
78 32.5 25.3 37.9

Manual Integrations

APPROVED

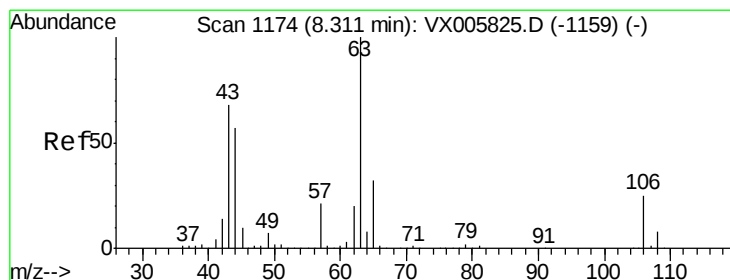
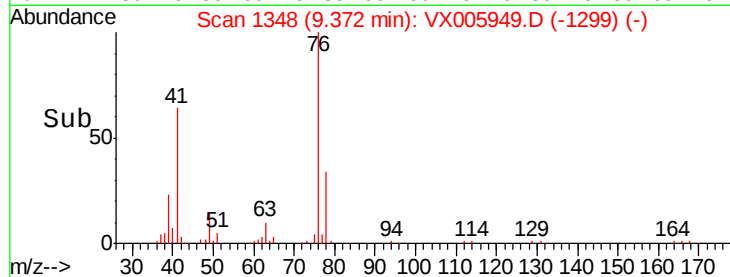
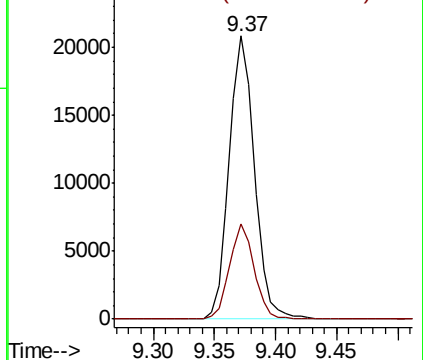
MMDadoda

11/14/2018 9:51:27 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: 108.131 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX005949.D

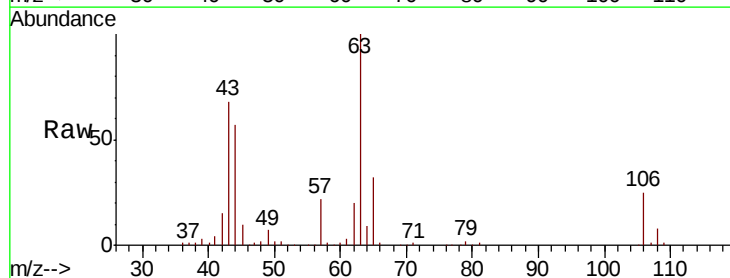
Acq: 13 Nov 2018 15:27

Tgt Ion: 63 Resp: 75599

Ion Ratio Lower Upper

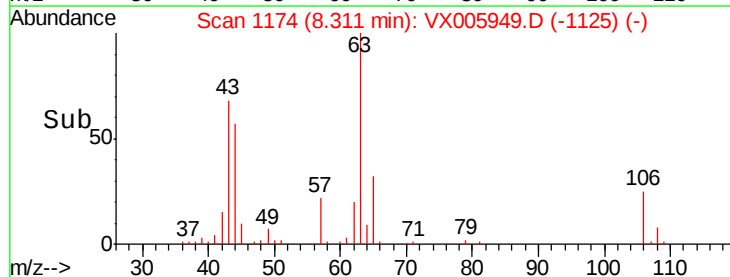
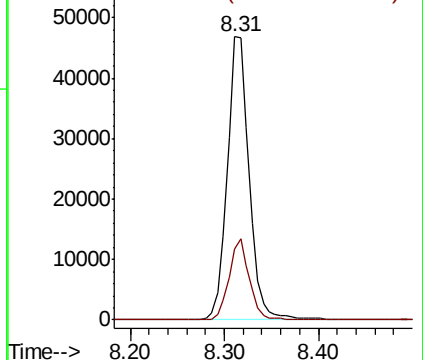
63 100

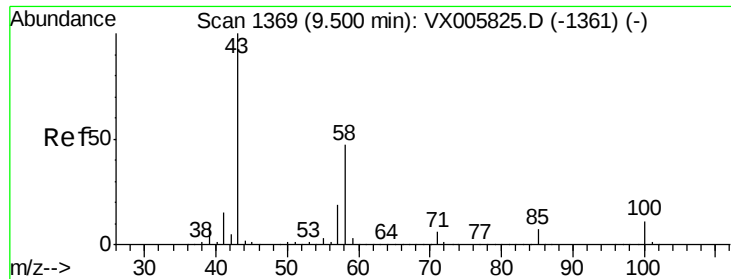
106 26.7 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





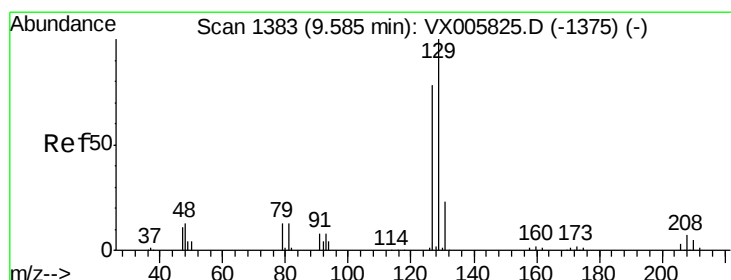
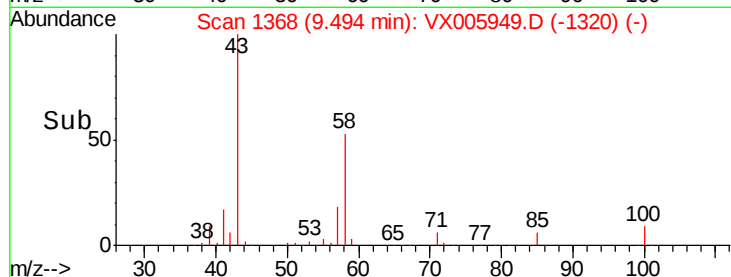
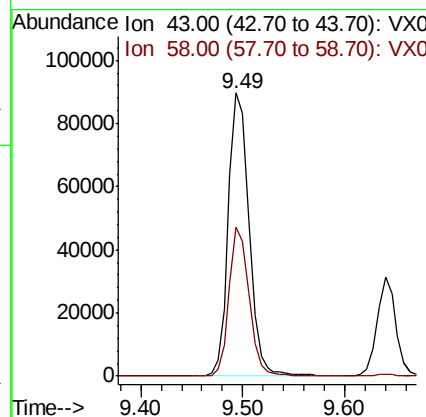
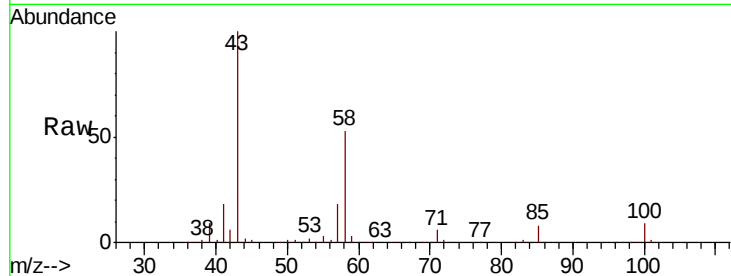
#59
2-Hexanone
Concen: 97.467 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion: 43 Resp: 127572
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.8

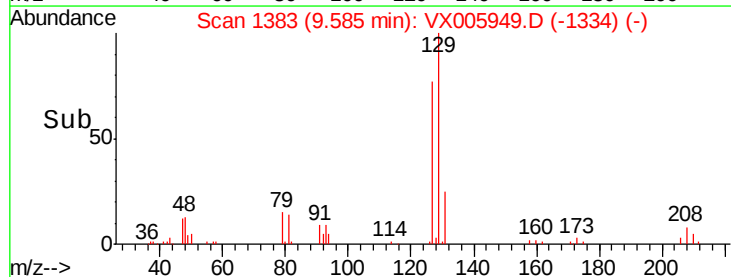
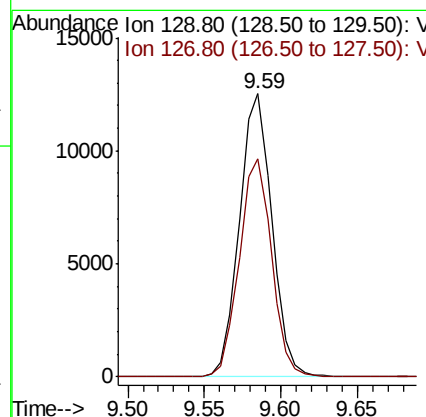
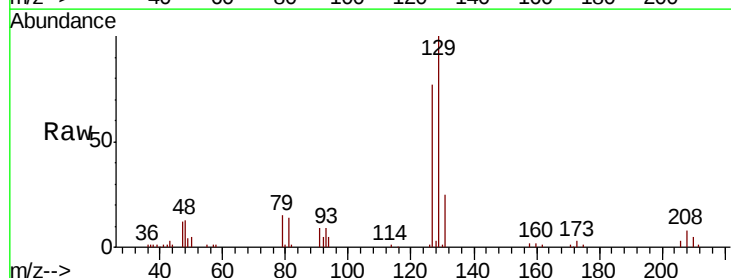
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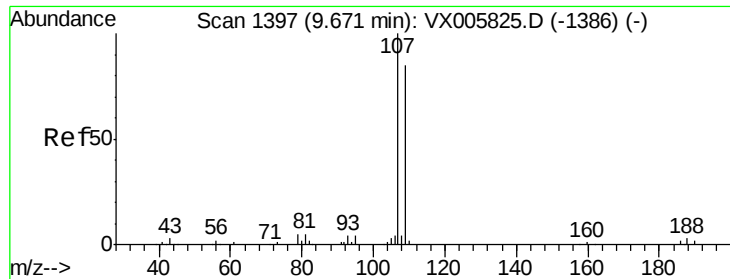
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#60
Dibromochloromethane
Concen: 18.998 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion: 129 Resp: 18435
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.466 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion:107 Resp: 18333

Ion Ratio Lower Upper

107 100

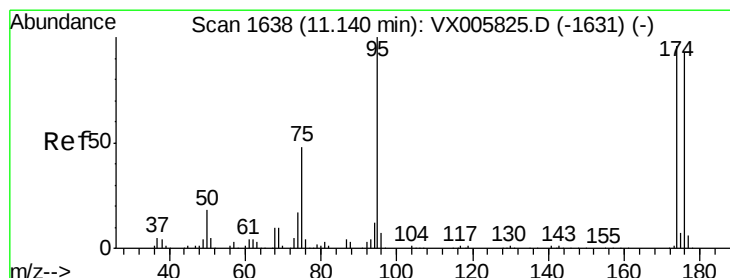
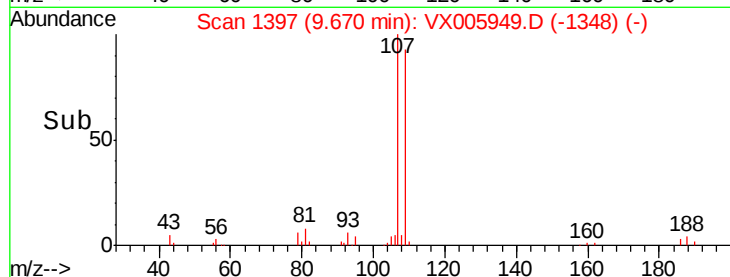
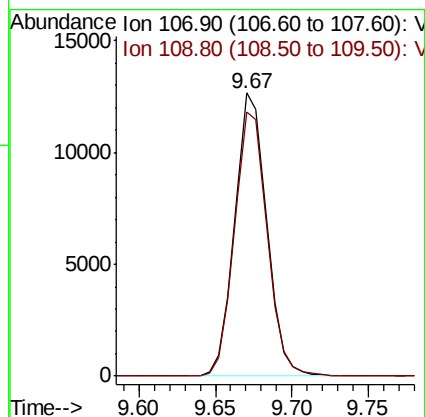
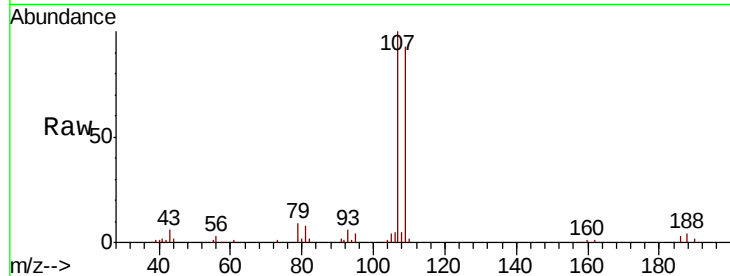
109 95.3 75.7 113.5

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#62

4-Bromofluorobenzene

Concen: 58.965 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

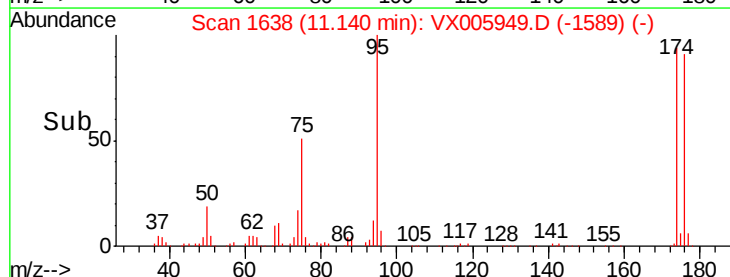
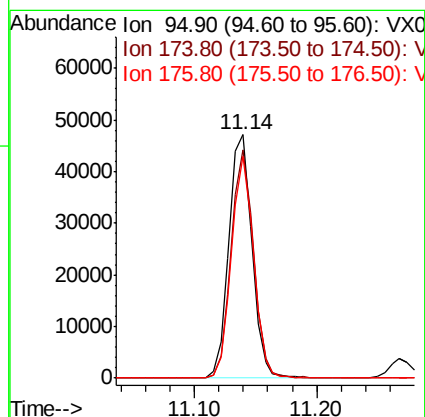
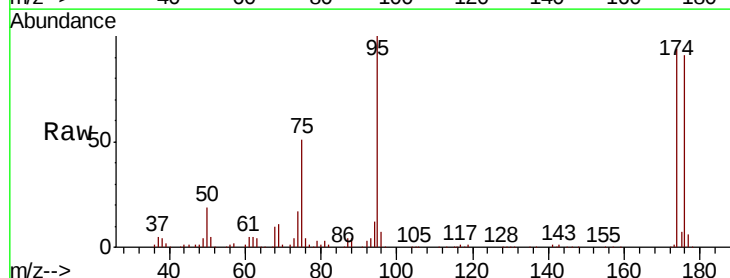
Tgt Ion: 95 Resp: 61487

Ion Ratio Lower Upper

95 100

174 90.5 0.0 184.4

176 87.3 0.0 177.4





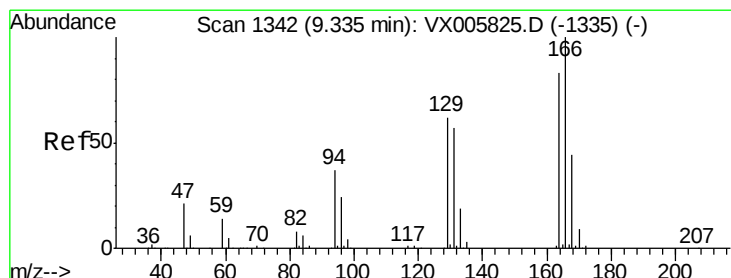
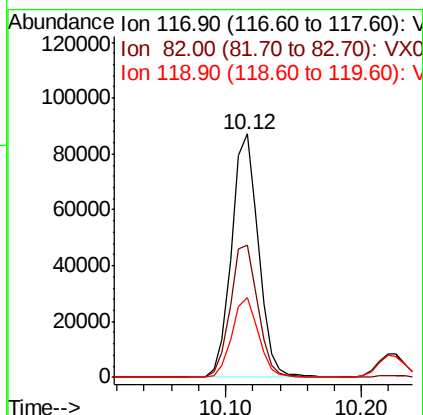
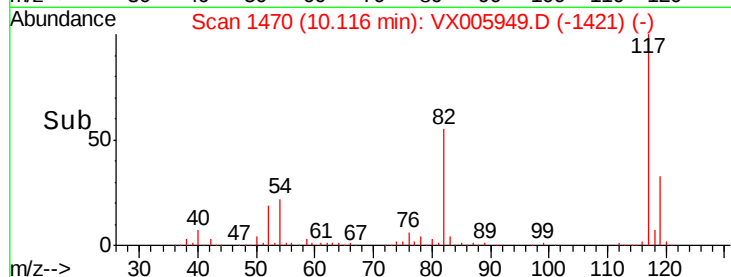
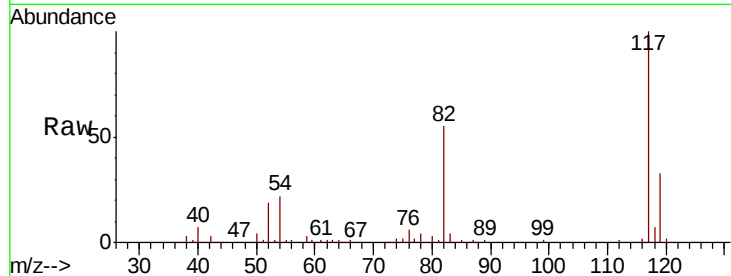
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	44.1	66.1
119	32.6	26.2	39.2

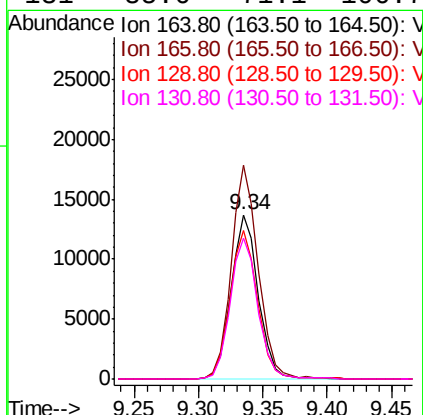
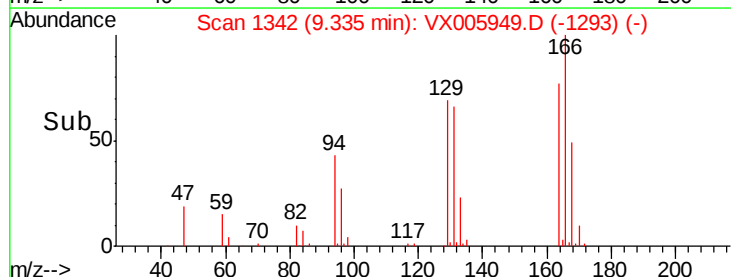
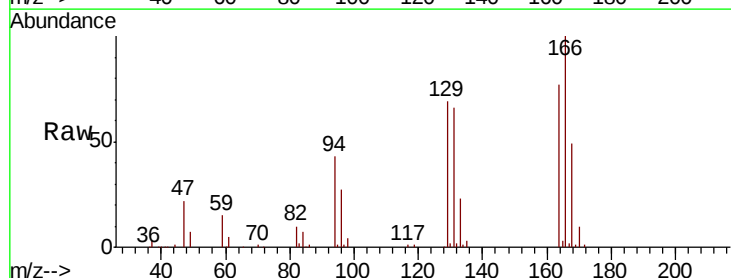
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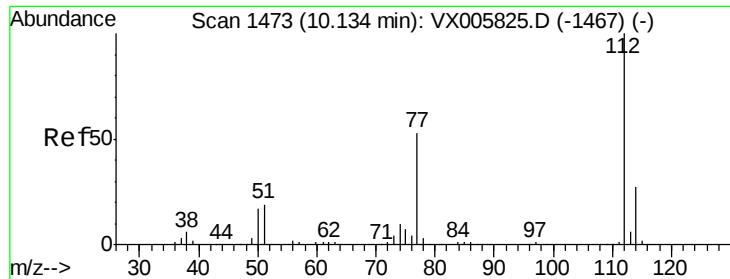
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#64
Tetrachloroethene
Concen: 19.738 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	101.9	152.9
129	90.3	72.6	109.0
131	85.6	71.1	106.7





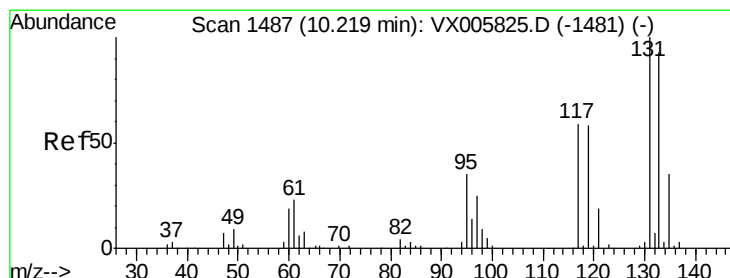
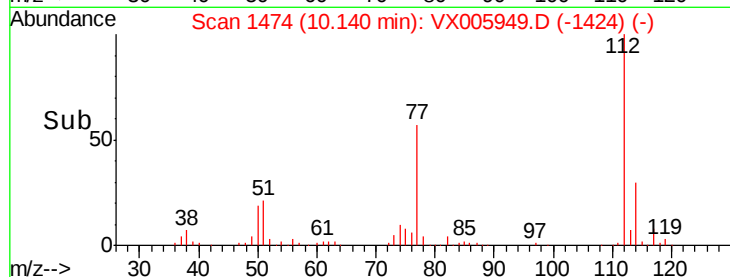
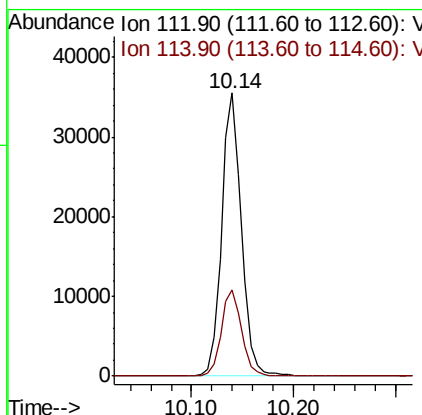
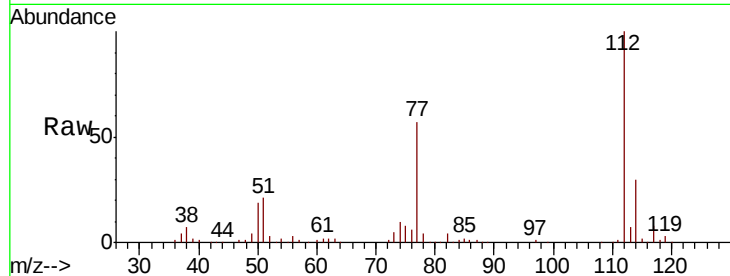
#65
Chlorobenzene
Concen: 19.868 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion:112 Resp: 47726
Ion Ratio Lower Upper
112 100
114 30.4 25.8 38.6

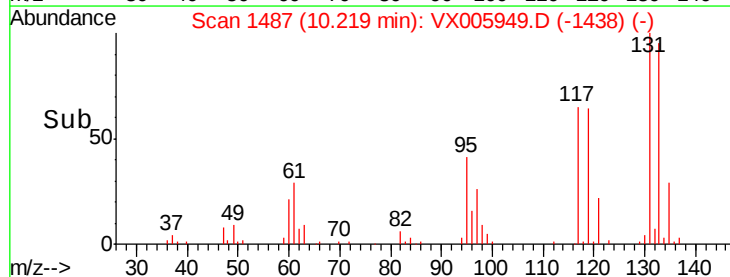
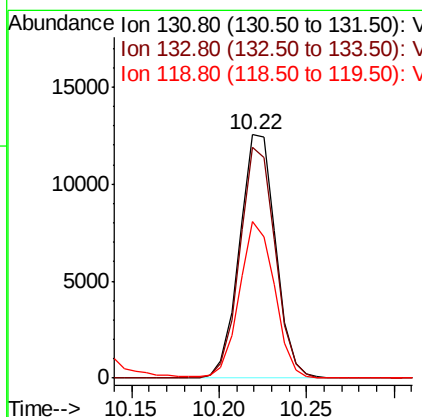
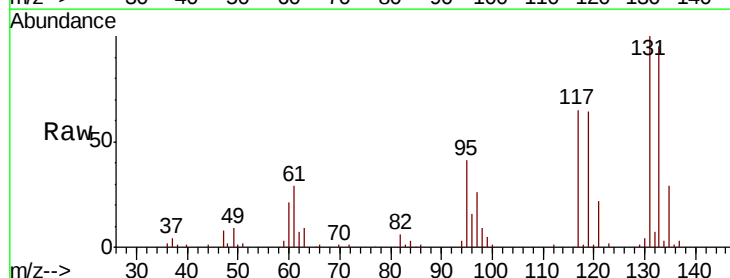
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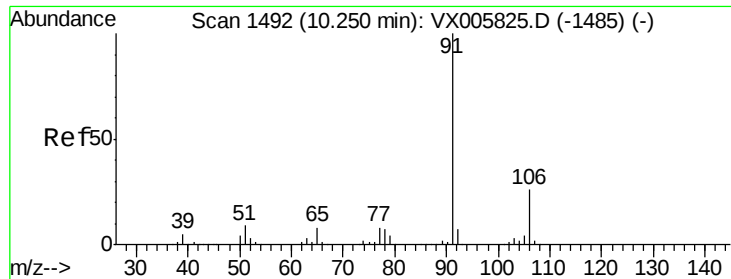
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.500 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion:131 Resp: 17955
Ion Ratio Lower Upper
131 100
133 93.1 47.5 142.5
119 62.7 31.8 95.3





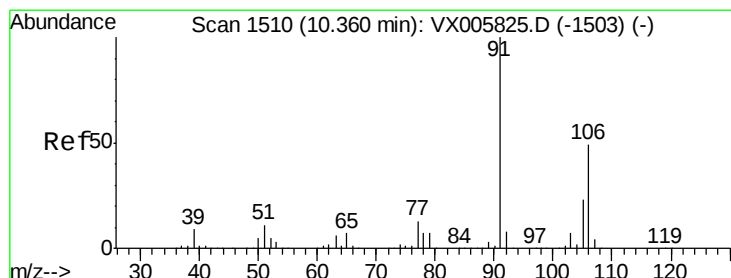
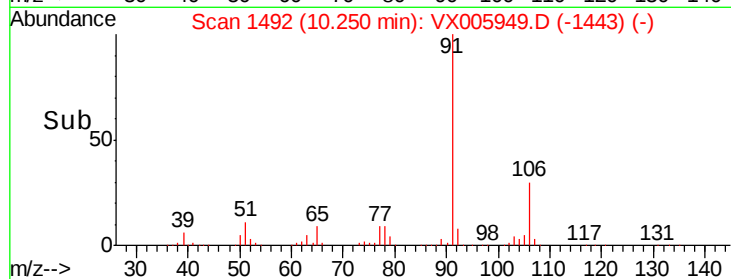
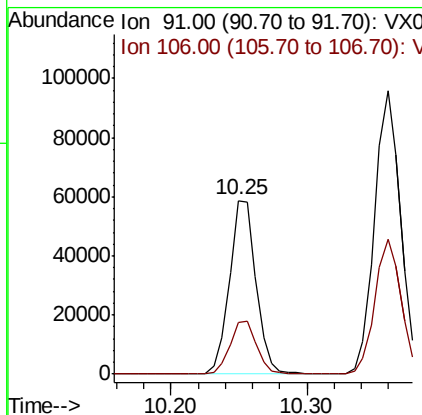
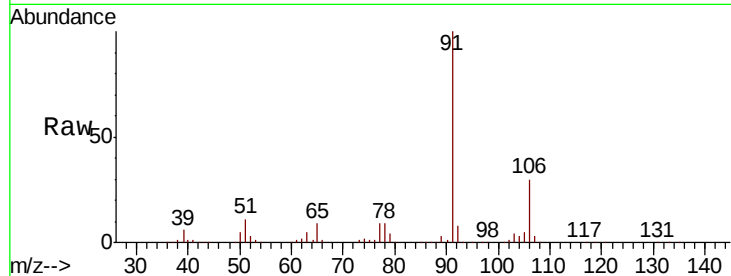
#67
Ethyl Benzene
Concen: 20.833 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion: 91 Resp: 80247
Ion Ratio Lower Upper
91 100
106 30.0 24.4 36.6

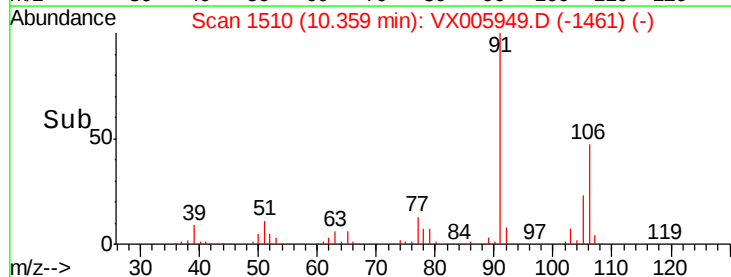
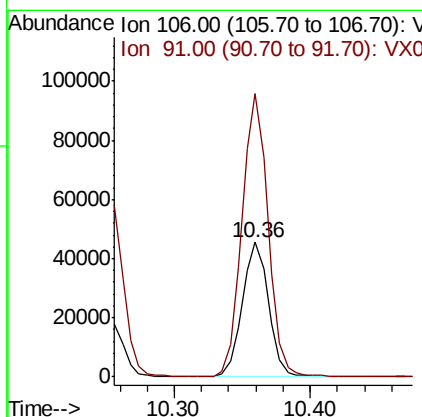
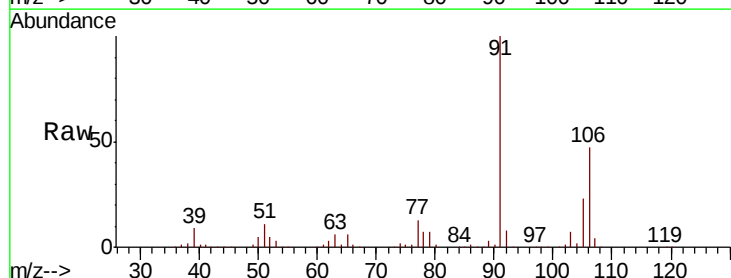
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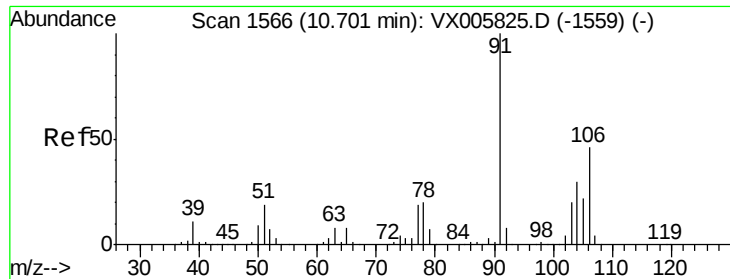
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#68
m/p-Xylenes
Concen: 41.609 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion: 106 Resp: 61134
Ion Ratio Lower Upper
106 100
91 211.0 164.2 246.4





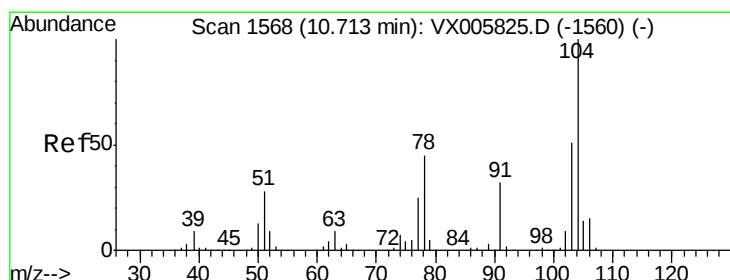
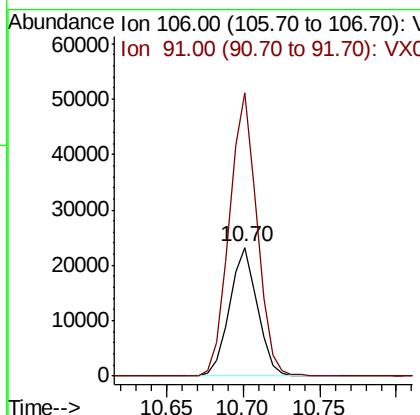
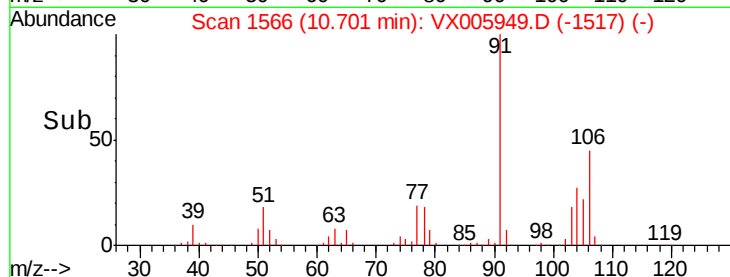
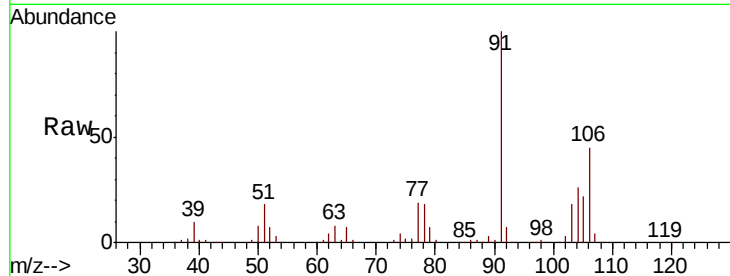
#69
o-Xylene
Concen: 22.123 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion:106 Resp: 29147
Ion Ratio Lower Upper
106 100
91 220.1 108.5 325.5

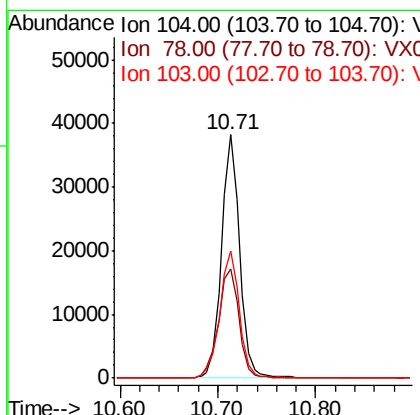
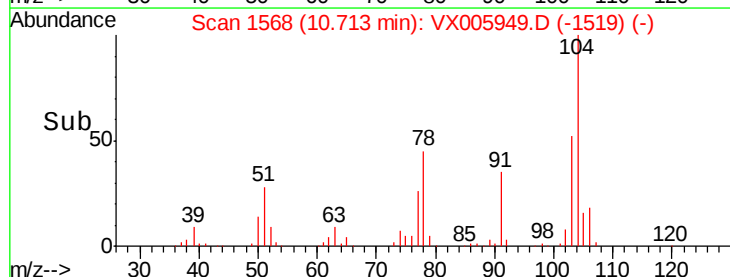
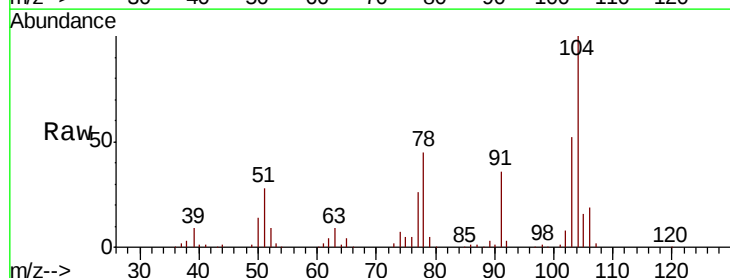
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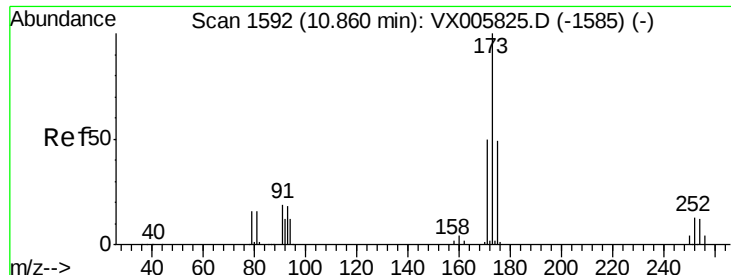
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#70
Styrene
Concen: 22.609 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion:104 Resp: 49138
Ion Ratio Lower Upper
104 100
78 51.1 40.2 60.4
103 56.5 44.9 67.3





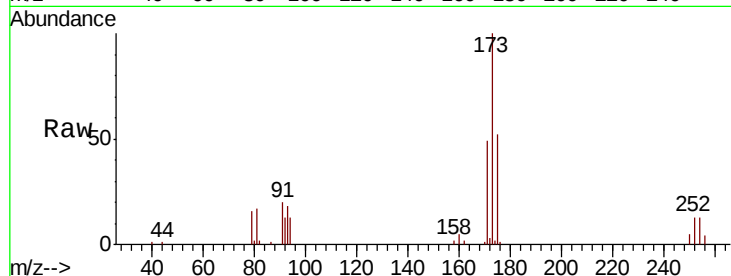
#71
Bromoform
Concen: 21.554 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

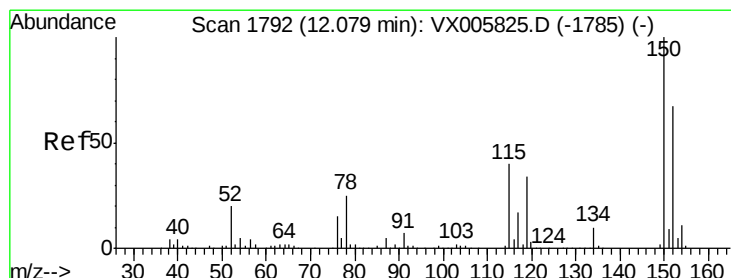
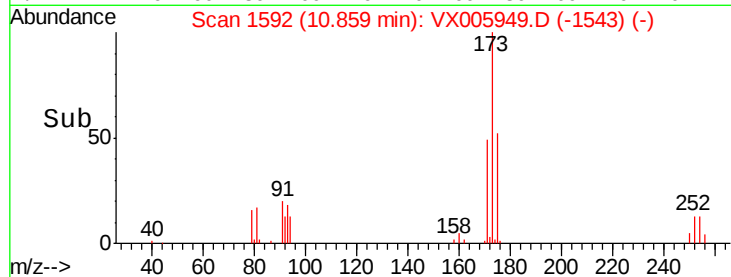
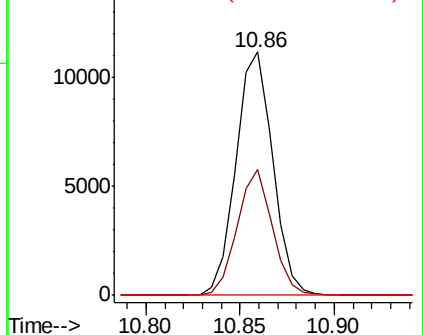
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.0	0.2	0.2

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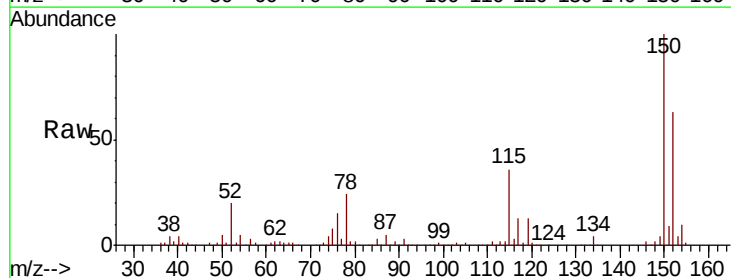


Abundance Ion 172.70 (172.40 to 173.40): V
15000 Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

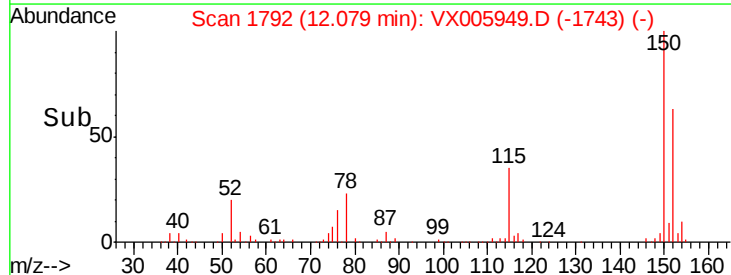
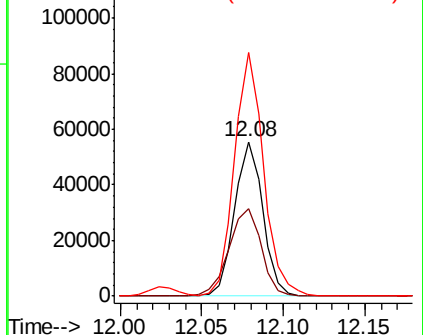


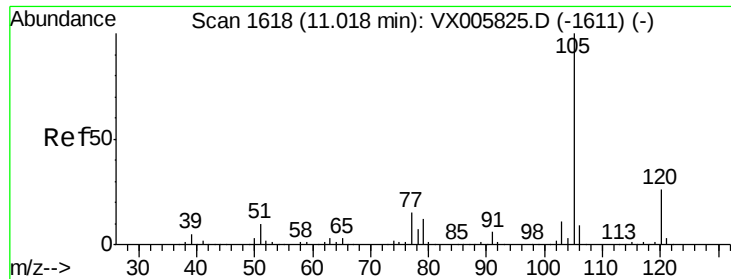
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.0	39.4	118.1
150	163.0	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
120000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.163 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion: 105 Resp: 81841

Ion Ratio Lower Upper

105 100

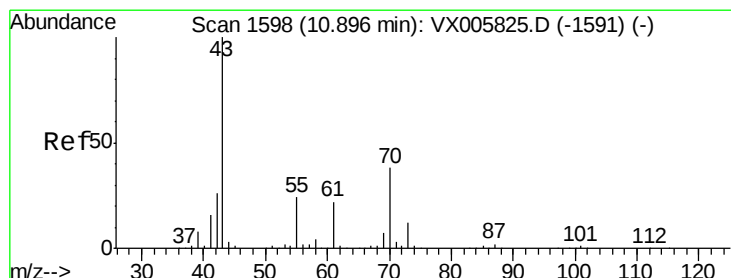
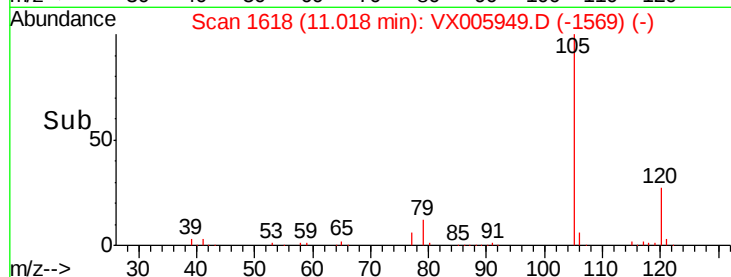
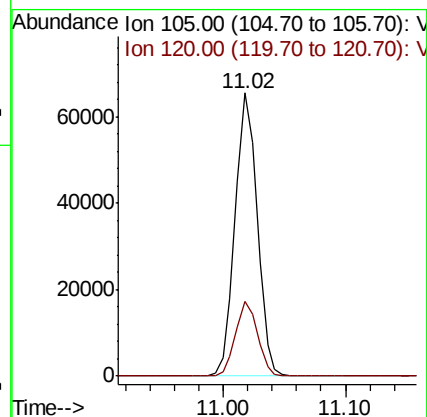
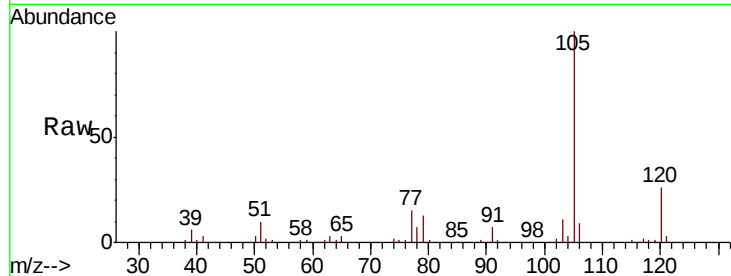
120 26.1 13.1 39.3

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#74

N-ethyl acetate

Concen: 18.683 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Tgt Ion: 43 Resp: 38797

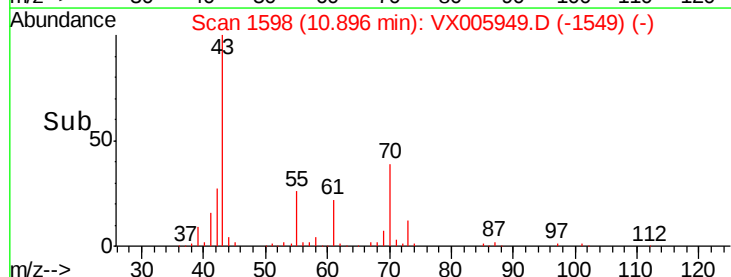
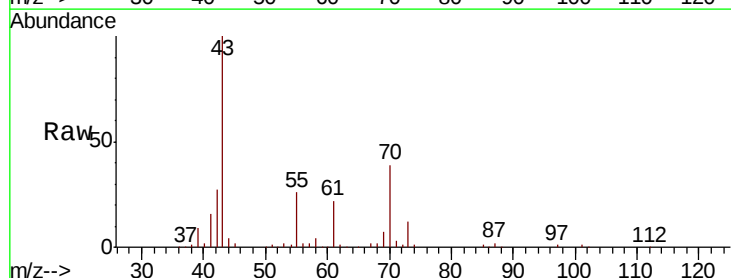
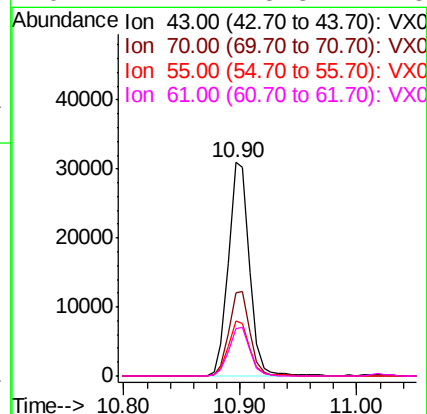
Ion Ratio Lower Upper

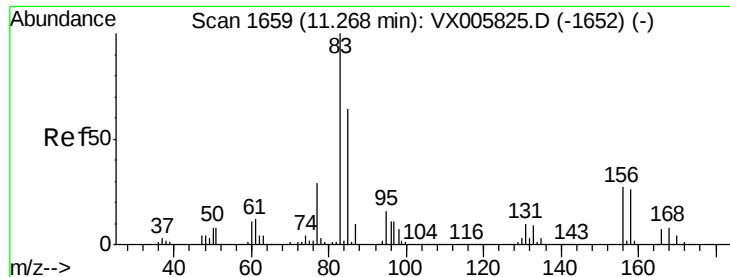
43 100

70 39.2 31.6 47.4

55 25.8 19.7 29.5

61 22.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.304 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

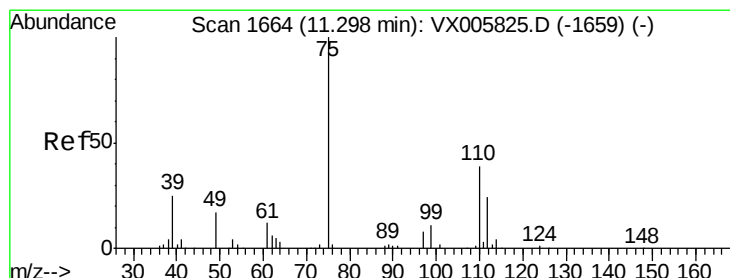
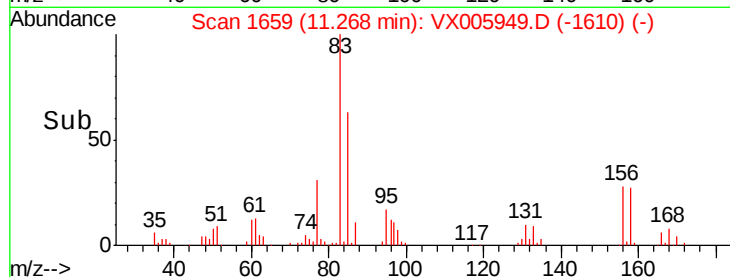
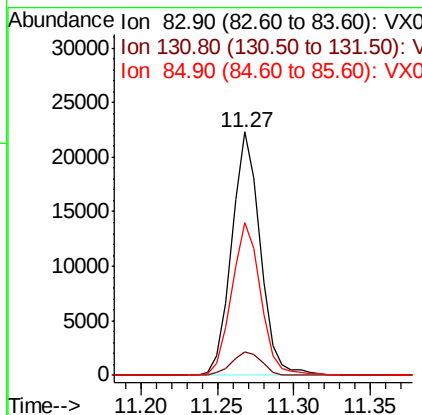
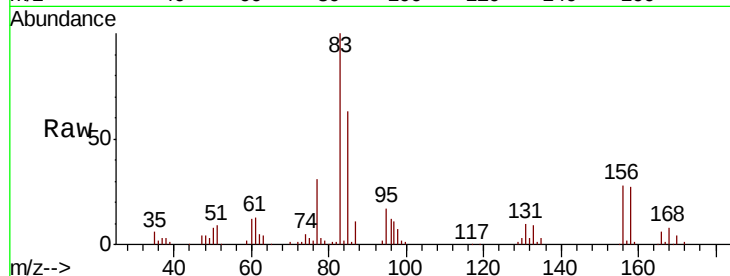
ClientSampleId :

VX1113WBSD01

Tot Ion:	83	Resp:	28821
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.9
85	63.8	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 20.550 ug/l m

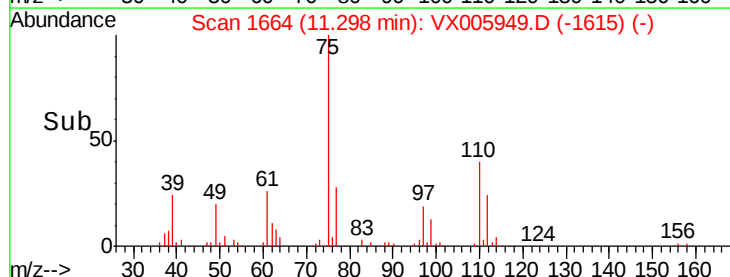
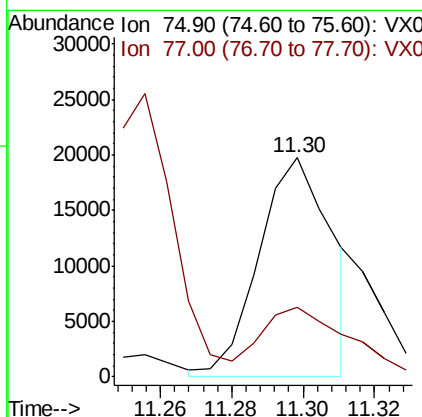
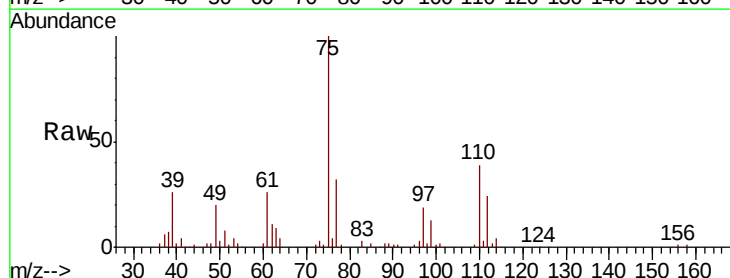
RT: 11.30 min Scan# 1664

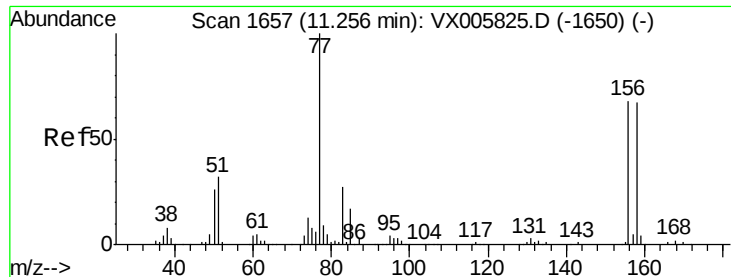
Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Tgt Ion:	75	Resp:	27983
Ion Ratio	Lower	Upper	
75	100		
77	38.6	20.5	61.6





#77

Bromobenzene

Concen: 20.086 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion:156 Resp: 21894

Ion Ratio Lower Upper

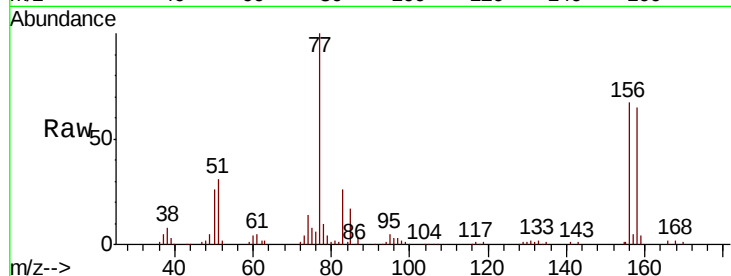
156 100

77 151.3 74.8 224.4

158 97.2 49.1 147.3

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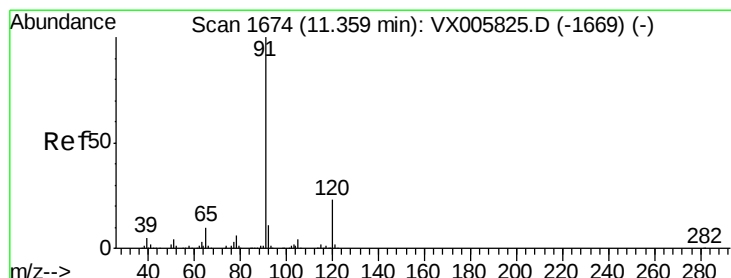
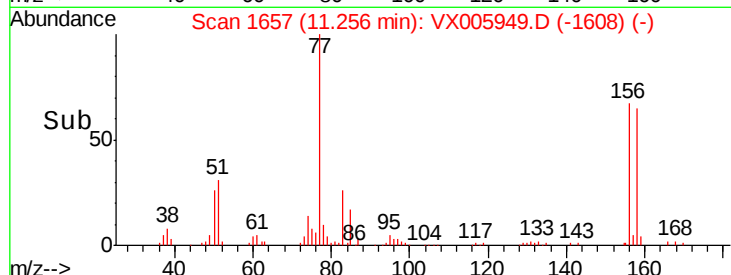
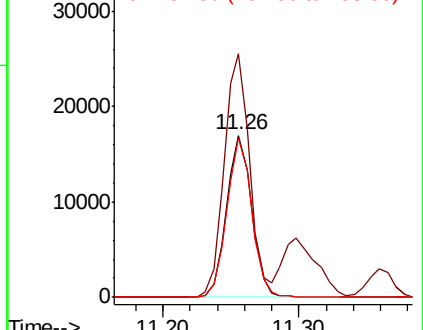
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.860 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005949.D

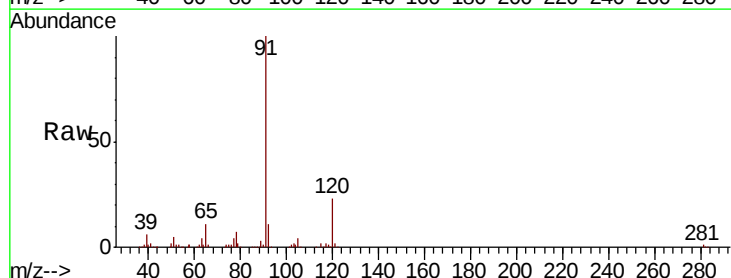
Acq: 13 Nov 2018 15:27

Tgt Ion: 91 Resp: 95072

Ion Ratio Lower Upper

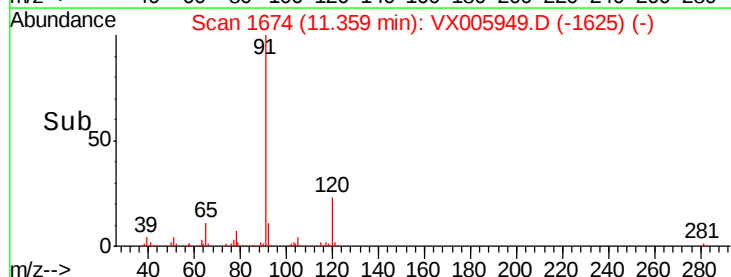
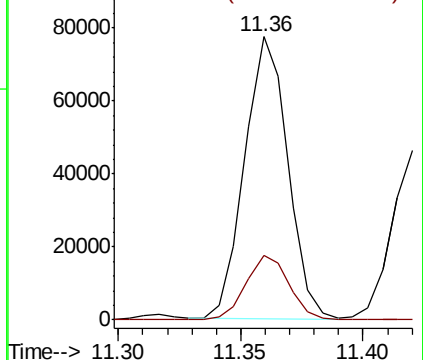
91 100

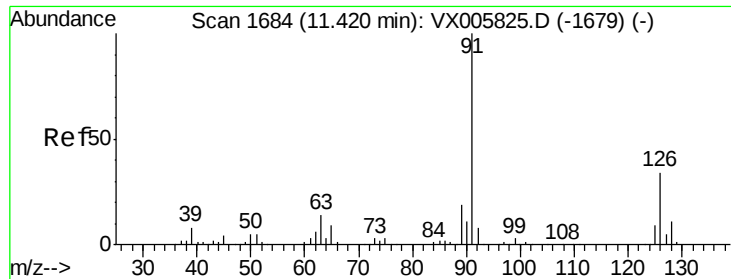
120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





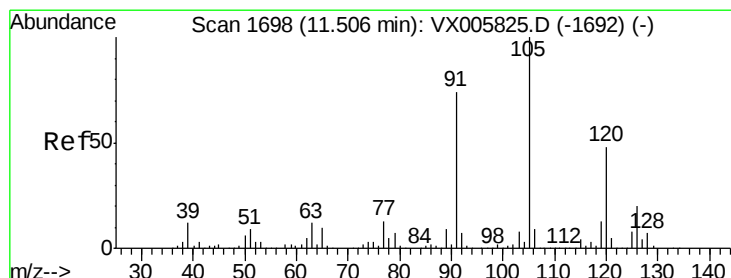
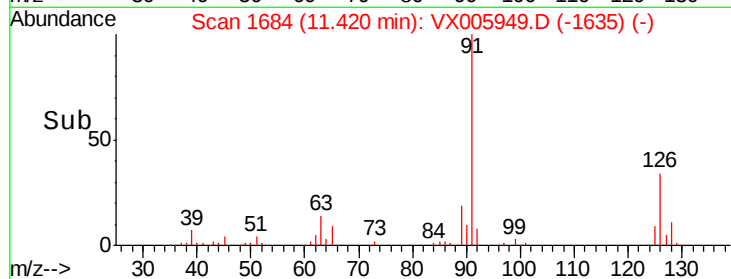
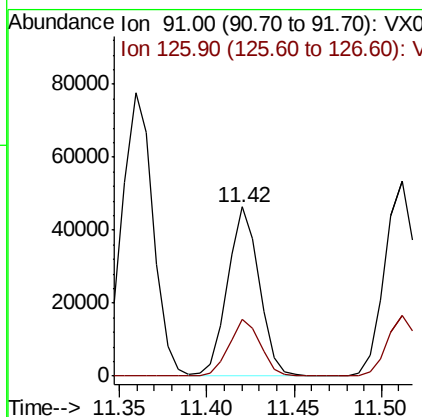
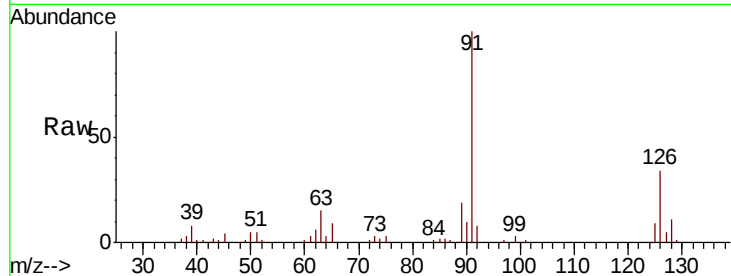
#79
 2-Chlorotoluene
 Concen: 20.999 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion: 91 Resp: 57849
 Ion Ratio Lower Upper
 91 100
 126 33.6 17.3 52.0

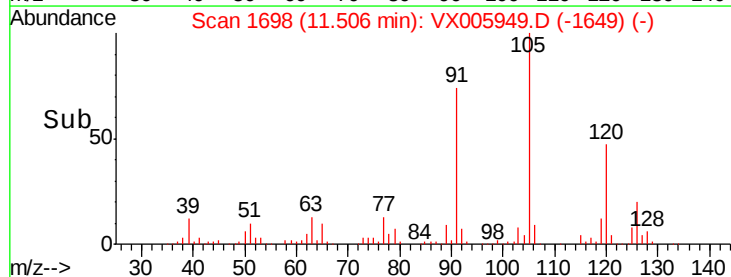
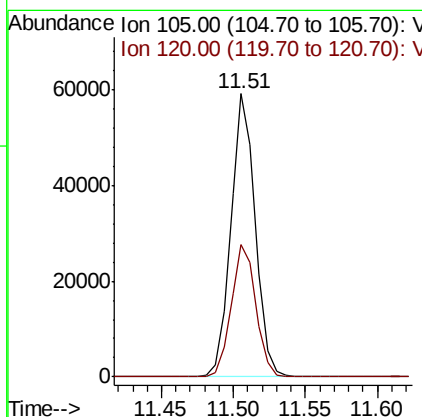
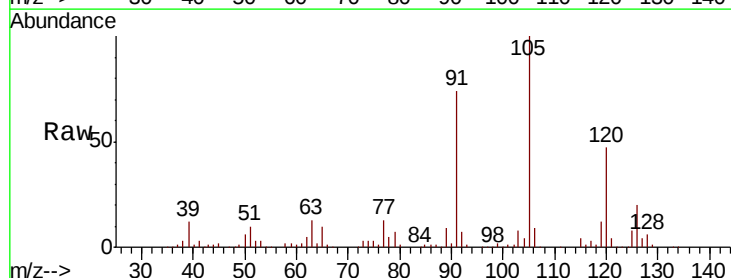
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.321 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Tgt Ion: 105 Resp: 70070
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.1 72.2





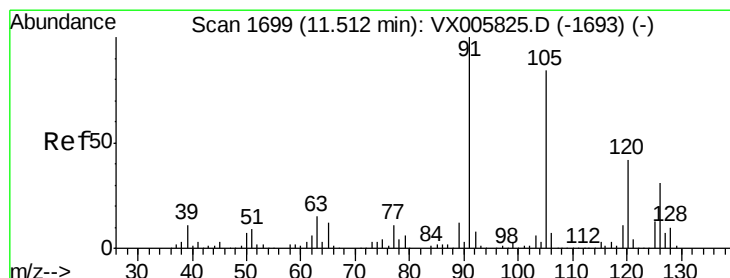
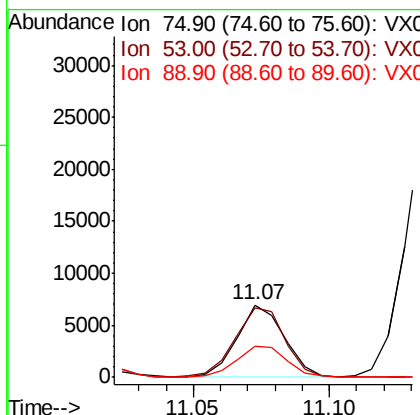
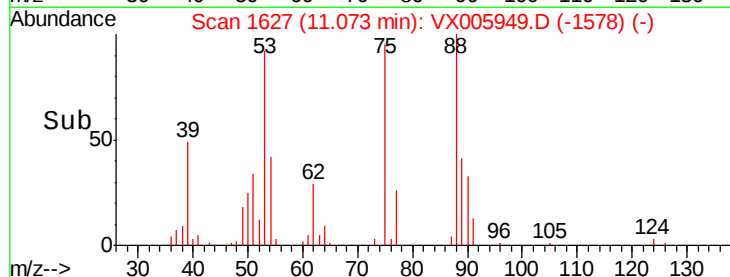
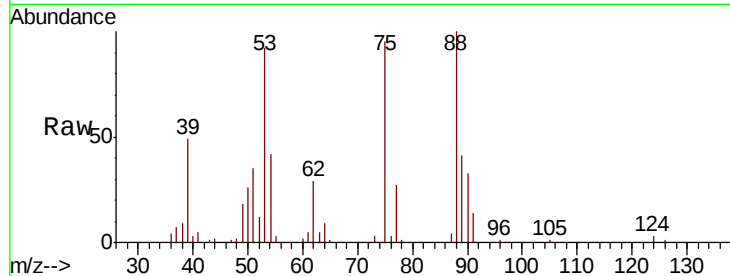
#81
trans-1,4-Dichloro-2-butene
Concen: 19.914 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	80.2	120.2
89	46.2	39.8	59.8

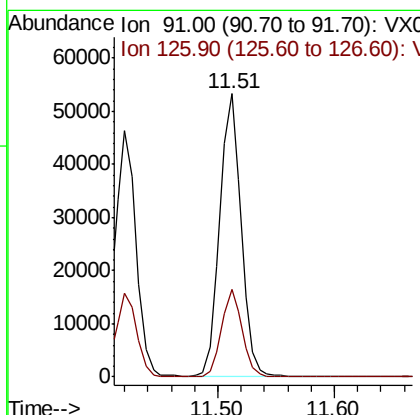
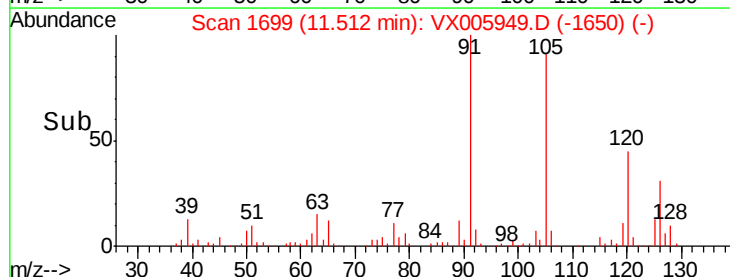
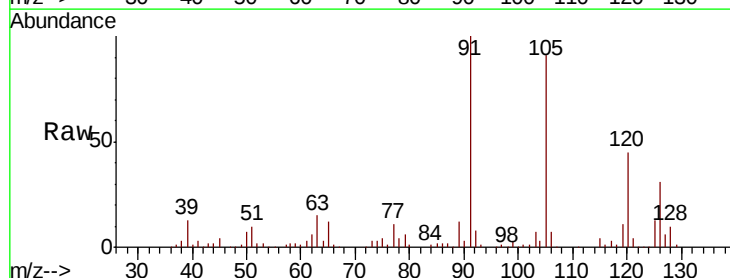
Manual Integrations
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#82
4-Chlorotoluene
Concen: 20.841 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.9	15.2	45.6





#83

tert-Butylbenzene

Concen: 19.954 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

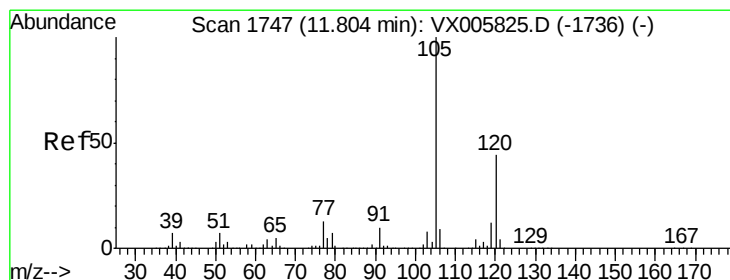
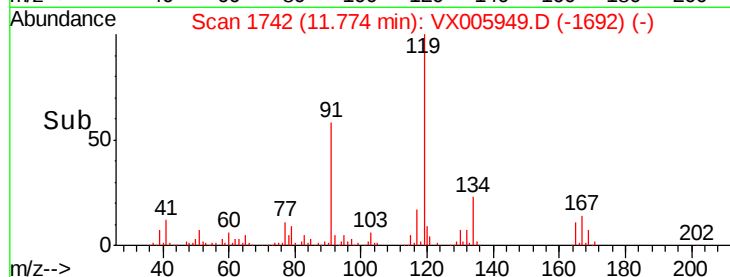
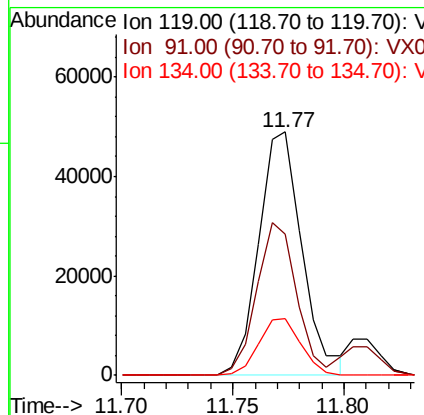
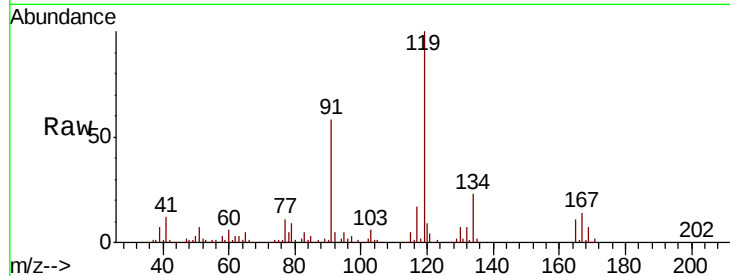
ClientSampleId :

VX1113WBSD01

Tot Ion:	119	Resp:	66341
Ion Ratio	Lower	Upper	
119	100		
91	58.1	28.5	85.5
134	22.9	11.3	33.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.596 ug/l

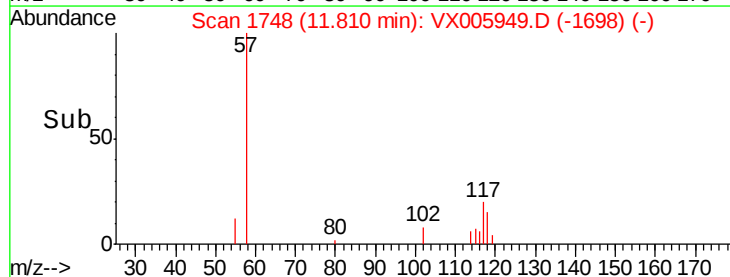
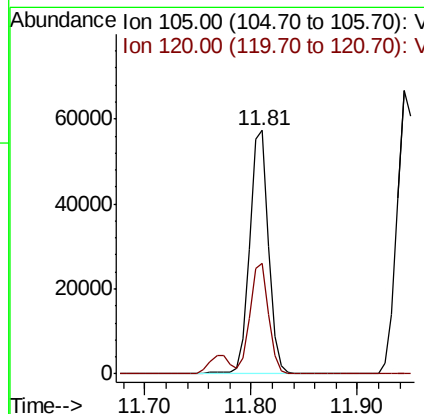
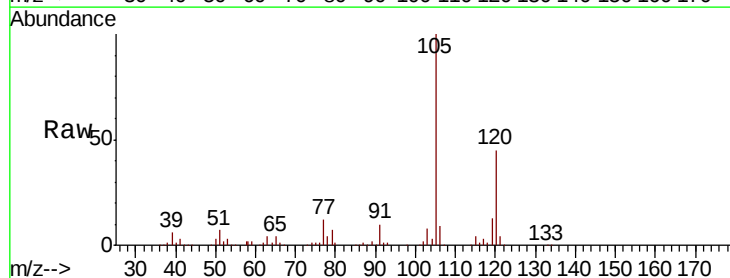
RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Tgt Ion:	105	Resp:	71336
Ion Ratio	Lower	Upper	
105	100		
120	44.6	22.4	67.0





#85

sec-Butylbenzene

Concen: 20.249 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

ClientSampleId :

VX1113WBSD01

Tot Ion:105 Resp: 82324

Ion Ratio Lower Upper

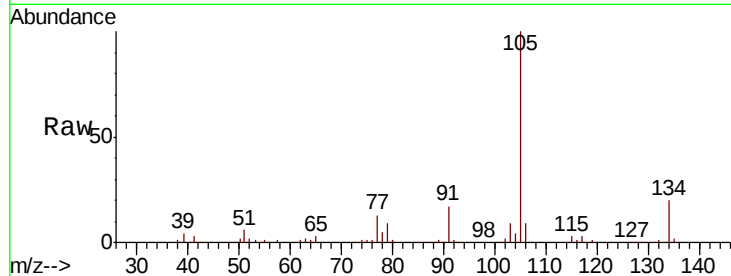
105 100

134 20.1 10.2 30.4

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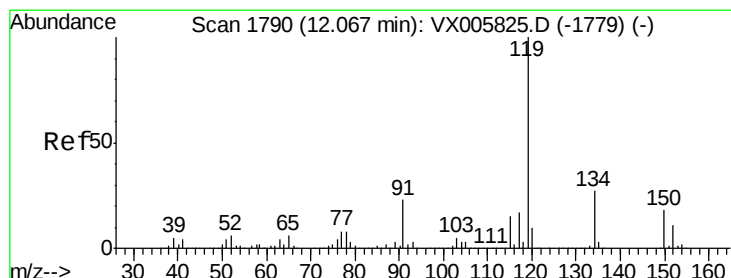
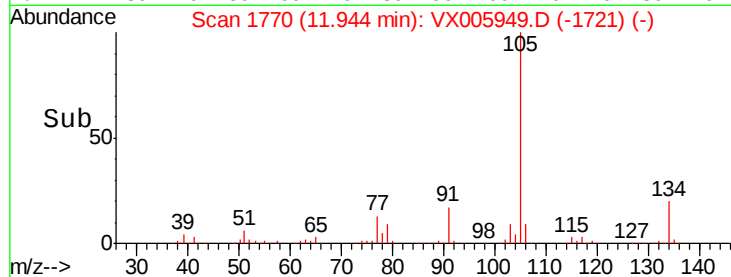
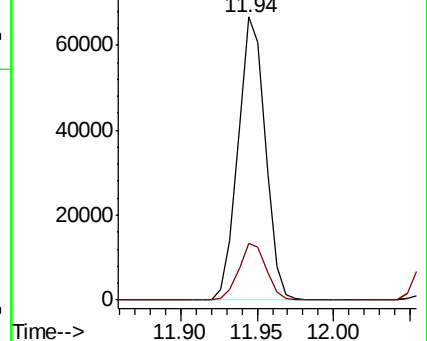
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.337 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

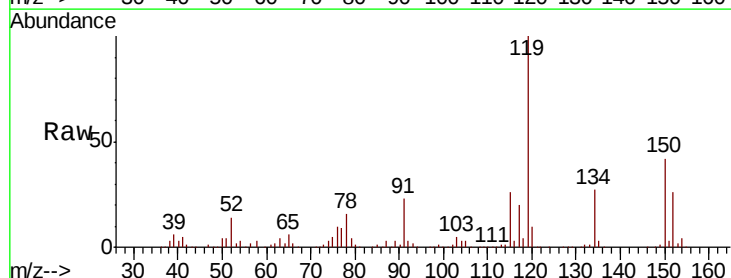
Tgt Ion:119 Resp: 73238

Ion Ratio Lower Upper

119 100

134 26.6 13.0 39.0

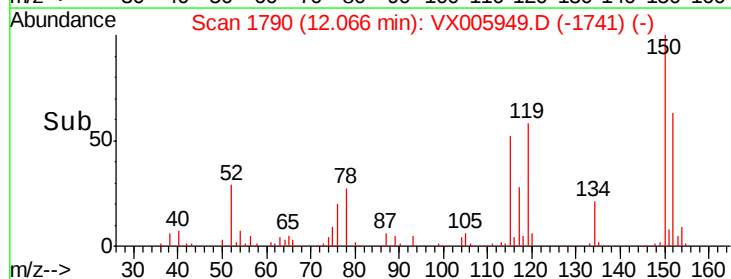
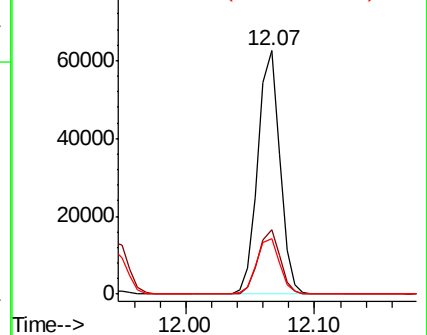
91 24.0 11.4 34.2



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





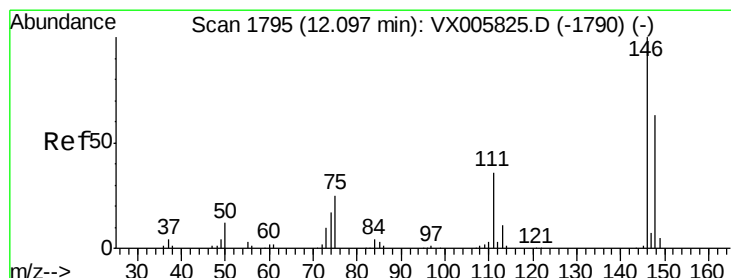
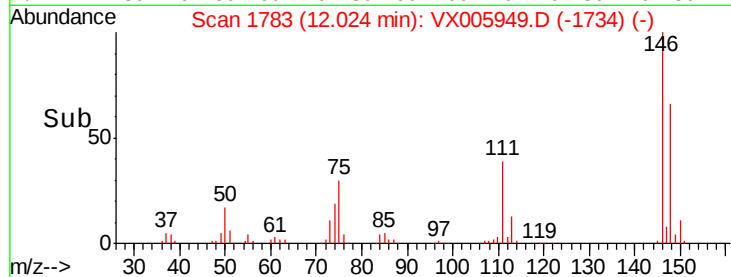
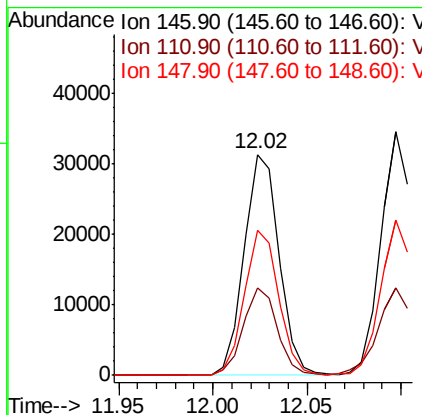
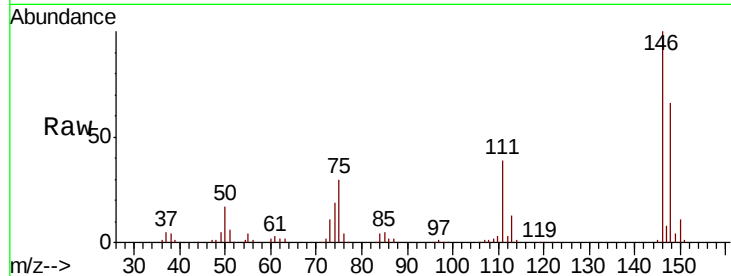
#87
 1,3-Dichlorobenzene
 Concen: 19.353 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.0	57.0
148	64.4	31.9	95.9

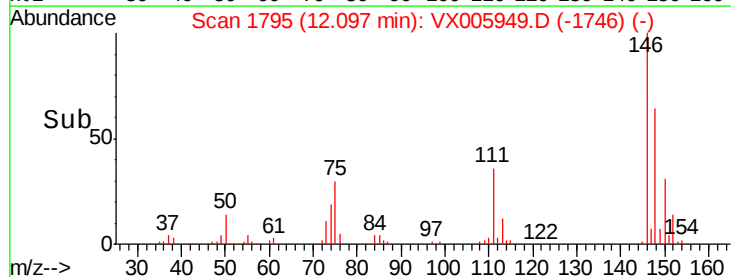
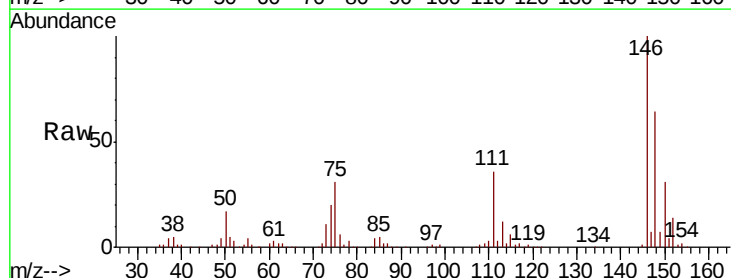
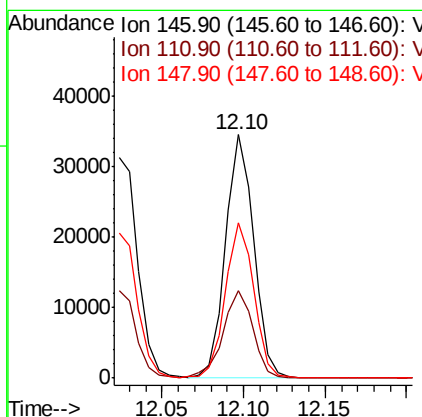
Manual Integrations
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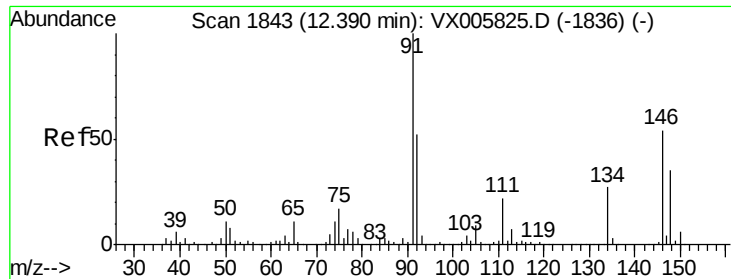
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#88
 1,4-Dichlorobenzene
 Concen: 19.494 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	64.4	32.1	96.3





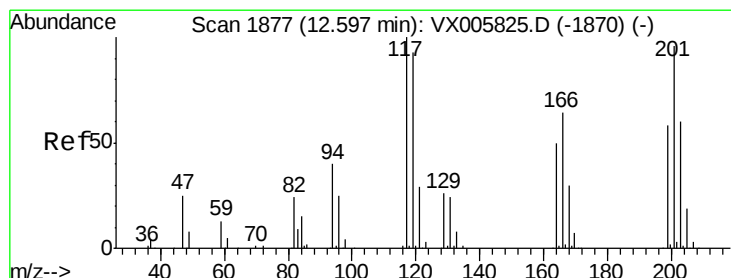
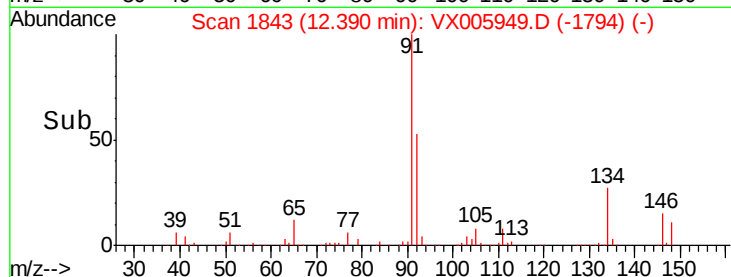
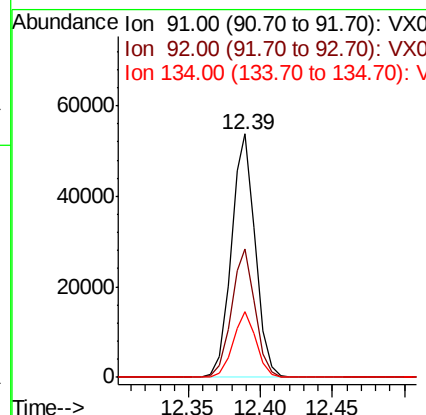
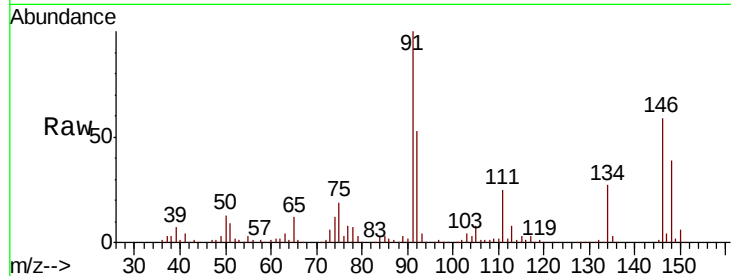
#89
n-Butylbenzene
Concen: 18.820 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.2
134	26.0	13.1	39.3

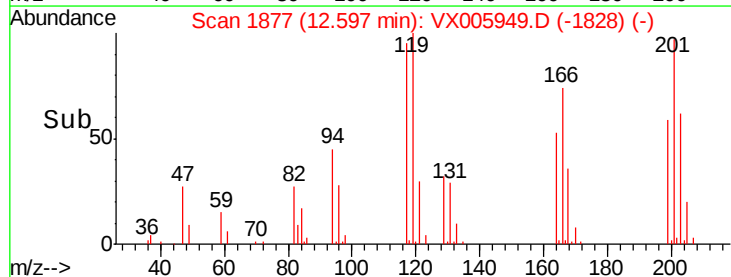
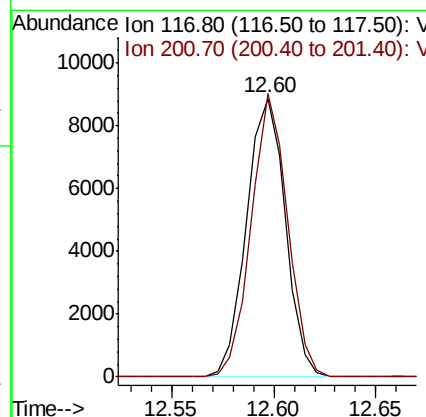
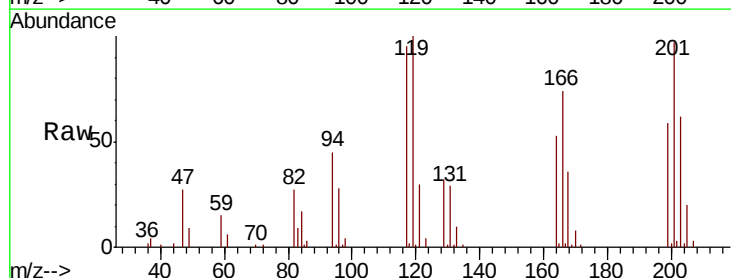
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#90
Hexachloroethane
Concen: 19.486 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.3	47.9	143.6





#91

1,2-Dichlorobenzene

Concen: 19.396 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Instrument :

MSVOA_X

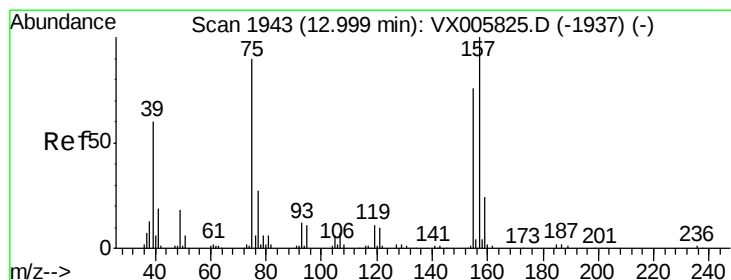
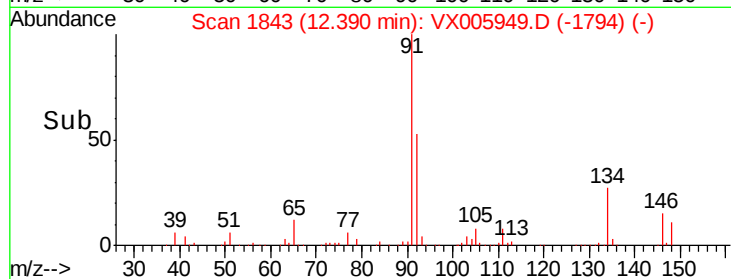
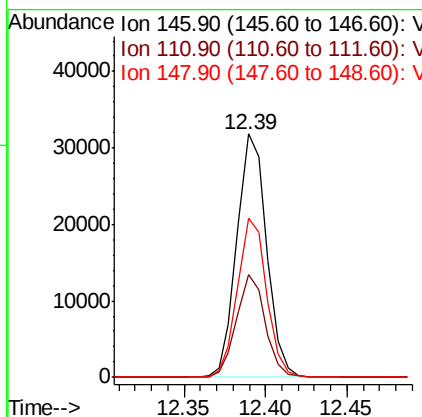
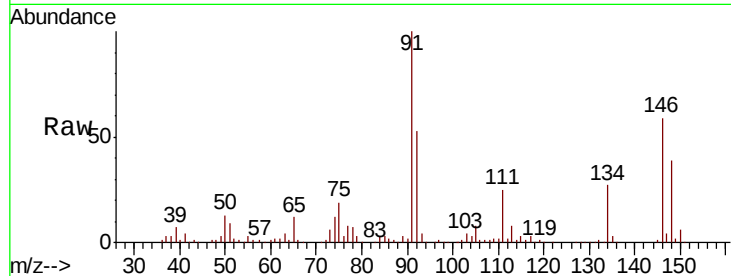
ClientSampleId :

VX1113WBSD01

Tot Ion:	146	Resp:	40647
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.0	59.9
148	64.1	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.371 ug/l

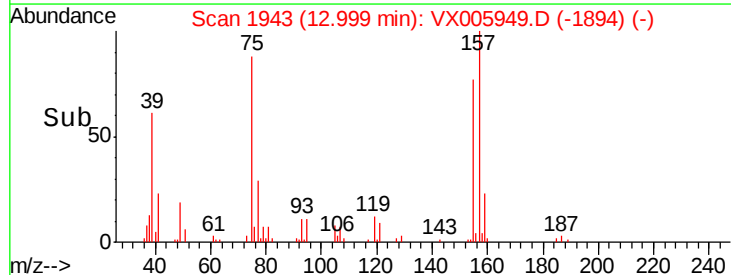
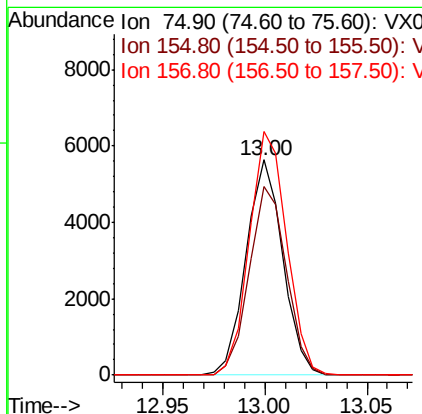
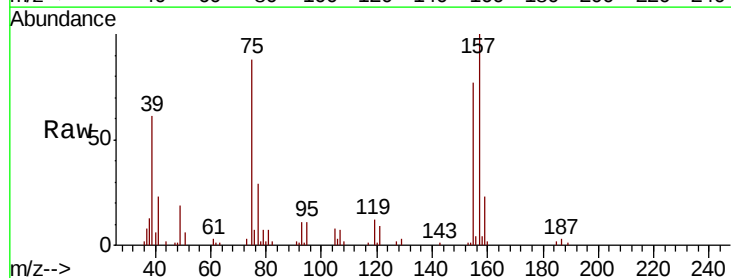
RT: 13.00 min Scan# 1943

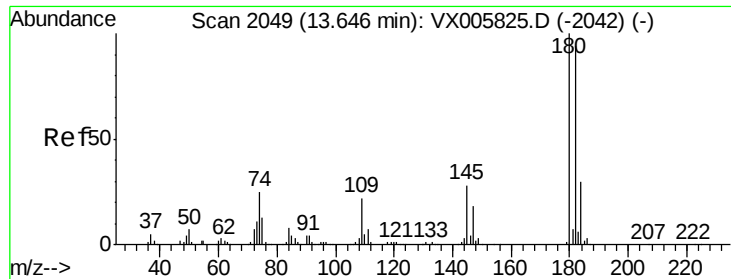
Delta R.T. -0.00 min

Lab File: VX005949.D

Acq: 13 Nov 2018 15:27

Tgt Ion:	75	Resp:	7056
Ion Ratio	Lower	Upper	
75	100		
155	88.8	45.4	136.1
157	115.0	57.4	172.0





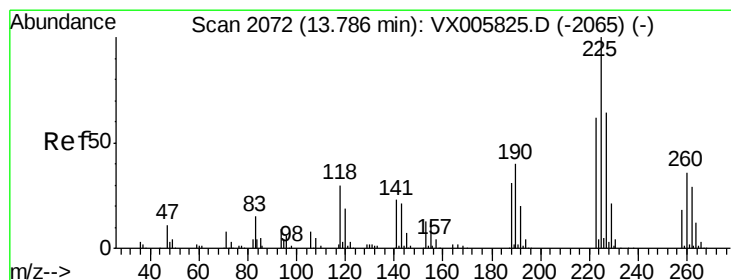
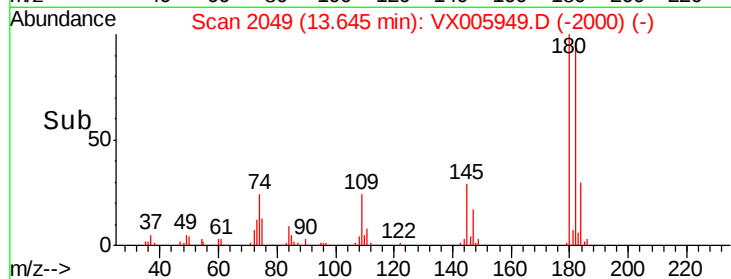
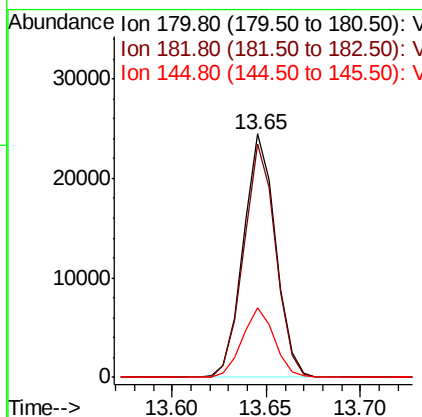
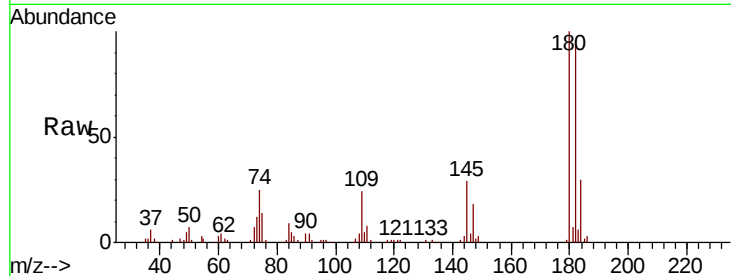
#93
 1,2,4-Trichlorobenzene
 Concen: 19.678 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.8
145	28.3	14.1	42.2

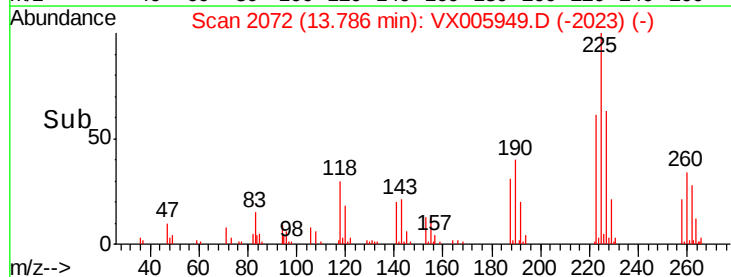
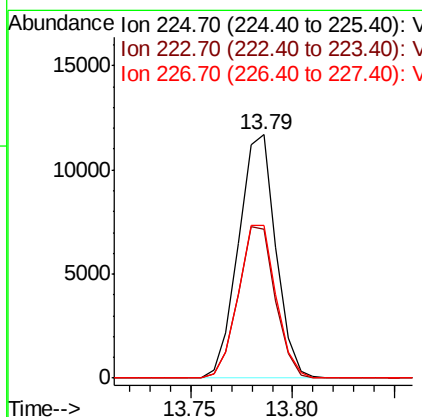
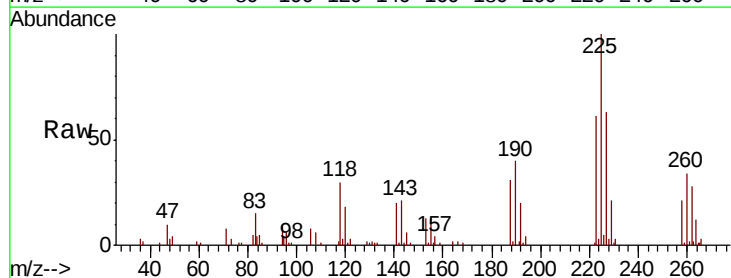
Manual Integrations
 APPROVED

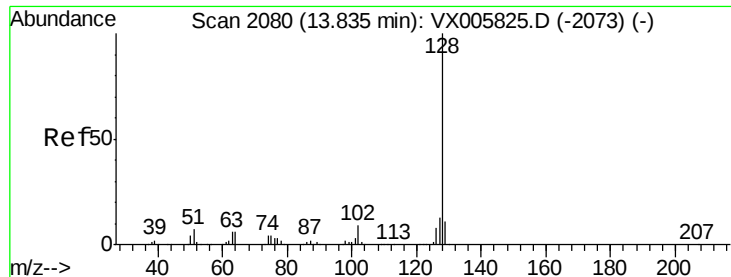
MMDadoda
 11/14/2018 9:51:27 AM



#94
 Hexachlorobutadiene
 Concen: 19.126 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005949.D
 Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.7	95.1
227	63.2	32.3	96.9





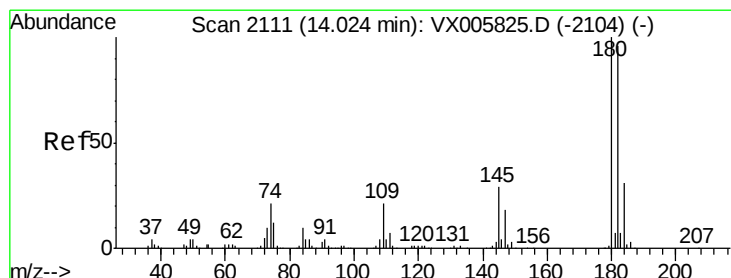
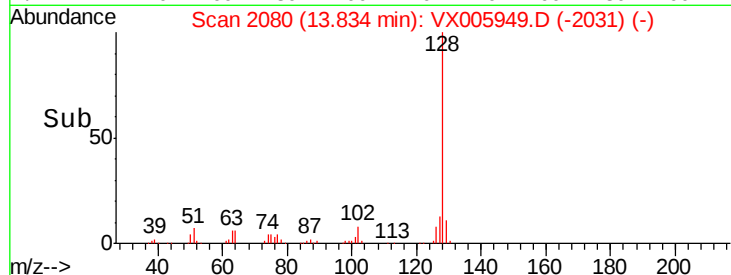
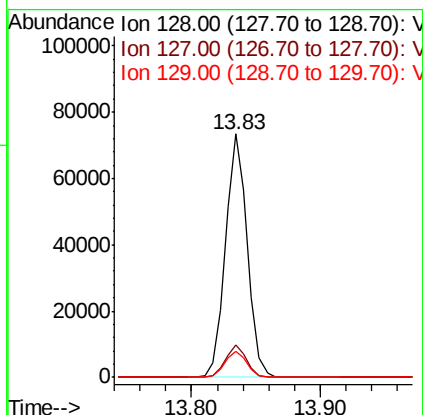
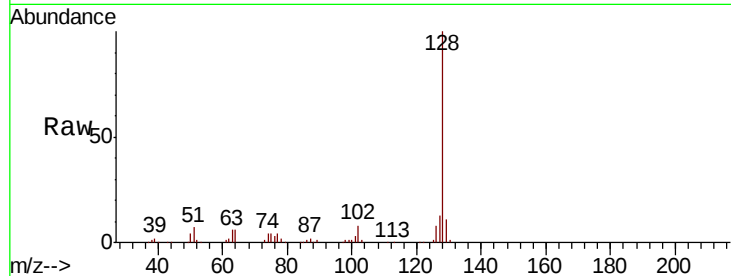
#95
Naphthalene
Concen: 18.911 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Instrument :
MSVOA_X
ClientSampleId :
VX1113WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/14/2018 9:51:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.389 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005949.D
Acq: 13 Nov 2018 15:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.0	144.2
145	29.3	15.1	45.3

