

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004699.D
 Acq On : 19 Sep 2018 12:19
 Operator : JC/MD
 Sample : VX0919MBS01
 Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Manual Integrations
 APPROVED

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 9/20/2018 1:42:35 PM

Quant Time: Sep 19 17:03:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	241642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	317419	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	181939	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	132105	42.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.80%	
35) Dibromofluoromethane	5.50	113	129740	44.67	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.34%	
50) Toluene-d8	8.71	98	438525	45.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.04%	
62) 4-Bromofluorobenzene	11.14	95	157684	45.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	45393	20.04	ug/l	97
3) Chloromethane	1.32	50	60194	19.31	ug/l	94
4) Vinyl Chloride	1.40	62	67060	20.96	ug/l	96
5) Bromomethane	1.64	94	32631	23.74	ug/l	99
6) Chloroethane	1.72	64	41302	19.97	ug/l	97
7) Trichlorofluoromethane	1.93	101	85001	20.04	ug/l	90
8) Diethyl Ether	2.19	74	39142	20.59	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	54635	20.31	ug/l	97
10) Methyl Iodide	2.51	142	55439	20.03	ug/l	96
11) Tert butyl alcohol	3.07	59	79985	107.58	ug/l	99
12) 1,1-Dichloroethene	2.37	96	54042	21.40	ug/l	94
13) Acrolein	2.29	56	21287	72.53	ug/l	99
14) Allyl chloride	2.73	41	103928	20.02	ug/l	96
15) Acrylonitrile	3.15	53	176996	98.86	ug/l	98
16) Acetone	2.45	43	144816	95.23	ug/l	93
17) Carbon Disulfide	2.57	76	138468	18.97	ug/l	99
18) Methyl Acetate	2.78	43	94960	22.26	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	186511	21.05	ug/l	98
20) Methylene Chloride	2.85	84	63983	20.51	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	54942	19.69	ug/l	99
22) Diisopropyl ether	3.87	45	197583	21.13	ug/l	96
23) Vinyl Acetate	3.82	43	787615	104.10	ug/l	97
24) 1,1-Dichloroethane	3.69	63	106751	20.22	ug/l	98
25) 2-Butanone	4.70	43	232004	95.86	ug/l	91
26) 2,2-Dichloropropane	4.59	77	82126	22.65	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	67293	21.61	ug/l	96
28) Bromochloromethane	5.01	49	42885	17.76	ug/l	99
29) Tetrahydrofuran	5.16	42	148266	101.58	ug/l	99
30) Chloroform	5.21	83	109314	21.21	ug/l	93
31) Cyclohexane	5.57	56	92259	20.47	ug/l	# 87
32) 1,1,1-Trichloroethane	5.49	97	87713	21.13	ug/l	99
36) 1,1-Dichloropropene	5.80	75	75793	19.67	ug/l	98
37) Ethyl Acetate	4.85	43	82959	18.93	ug/l	97
38) Carbon Tetrachloride	5.78	117	74967	19.92	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	81833	20.35	ug/l	98
40) Benzene	6.15	78	224034	19.59	ug/l	98
41) Methacrylonitrile	5.06	41	47638	19.73	ug/l	98
42) 1,2-Dichloroethane	6.20	62	72184	19.03	ug/l	99
43) Isopropyl Acetate	6.46	43	118443	20.35	ug/l	98
44) Trichloroethene	7.21	130	64617	21.75	ug/l	98
45) 1,2-Dichloropropane	7.52	63	57522	20.91	ug/l	98
46) Dibromomethane	7.66	93	35836	20.62	ug/l	97
47) Bromodichloromethane	7.90	83	67538	20.55	ug/l	100
48) Methyl methacrylate	7.77	41	59284	20.58	ug/l	98
49) 1,4-Dioxane	7.75	88	30097	441.39	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	381724	92.92	ug/l	99
52) Toluene	8.79	92	136757	20.30	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	74930	19.51	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	84214	21.52	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	57097	19.68	ug/l	98
56) Ethyl methacrylate	9.18	69	79933	19.48	ug/l	98
57) 1,3-Dichloropropane	9.37	76	92124	19.55	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	189049	95.07	ug/l	98
59) 2-Hexanone	9.50	43	294705	93.52	ug/l	98
60) Dibromochloromethane	9.59	129	55307	20.25	ug/l	99
61) 1,2-Dibromoethane	9.67	107	57931	20.91	ug/l	99
64) Tetrachloroethene	9.34	164	77594	20.70	ug/l	97
65) Chlorobenzene	10.14	112	155366	20.83	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	54277	21.11	ug/l	99
67) Ethyl Benzene	10.26	91	254102	20.95	ug/l	100
68) m/p-Xylenes	10.36	106	201328	43.10	ug/l	98
69) o-Xylene	10.70	106	96403	21.47	ug/l	99
70) Styrene	10.71	104	162778	21.88	ug/l	99
71) Bromoform	10.86	173	43713	20.70	ug/l #	99
73) Isopropylbenzene	11.02	105	266457	22.24	ug/l	100
74) N-amyl acetate	10.90	43	102071	20.24	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	73847	19.11	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	76266m	20.84	ug/l	
77) Bromobenzene	11.26	156	71357	21.55	ug/l	99
78) n-propylbenzene	11.36	91	298379	21.66	ug/l	99
79) 2-Chlorotoluene	11.42	91	177295	21.22	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	222794	22.12	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	23788	20.71	ug/l	97
82) 4-Chlorotoluene	11.51	91	206936	21.22	ug/l	98
83) tert-Butylbenzene	11.77	119	209698	21.87	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	229140	22.28	ug/l	99
85) sec-Butylbenzene	11.94	105	268923	22.01	ug/l	99
86) p-Isopropyltoluene	12.07	119	241953	22.42	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	132066	21.37	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	132457	20.75	ug/l	98
89) n-Butylbenzene	12.39	91	203164	20.66	ug/l	98
90) Hexachloroethane	12.60	117	36124	20.91	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	133179	21.29	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16952	20.54	ug/l	95

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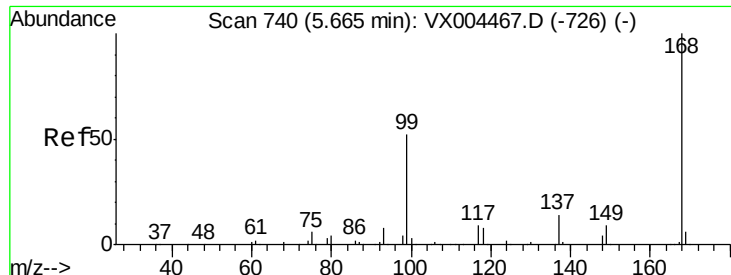
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	98238	22.18	ug/l	98
94) Hexachlorobutadiene	13.79	225	50784	21.95	ug/l	97
95) Naphthalene	13.83	128	275651	22.19	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	100689	22.13	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampled :

VX0919MBS01

Tot Ion:168 Resp: 241642

Ion Ratio Lower Upper

168 100

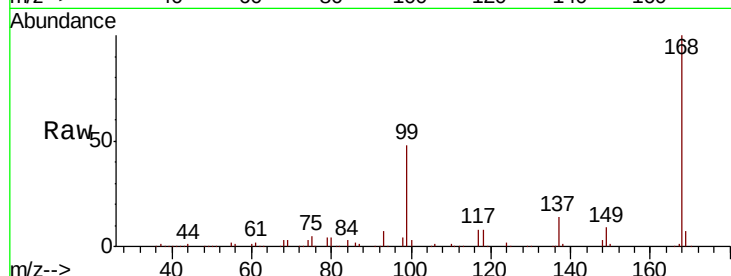
99 48.3 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

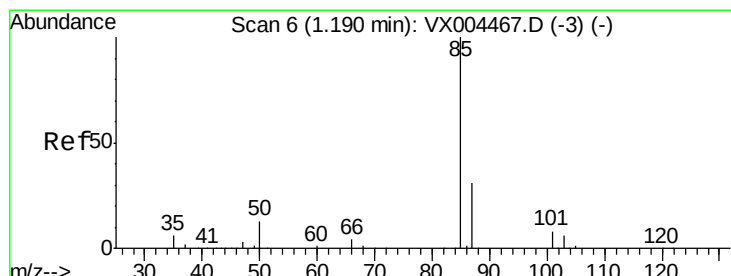
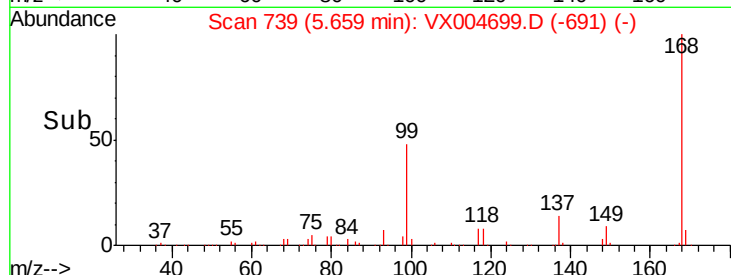
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.04 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004699.D

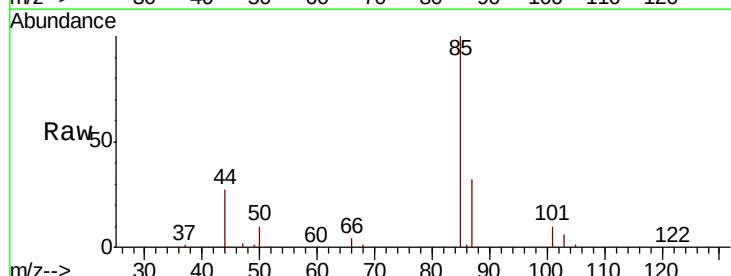
Acq: 19 Sep 2018 12:19

Tgt Ion: 85 Resp: 45393

Ion Ratio Lower Upper

85 100

87 32.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

30000

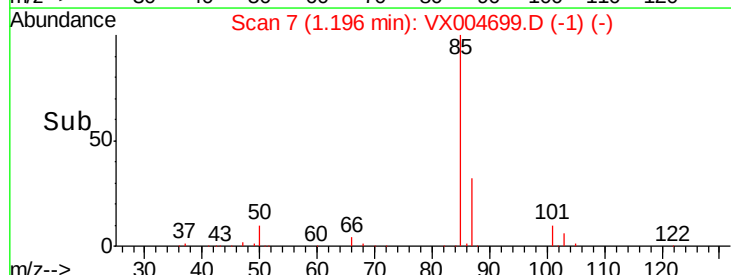
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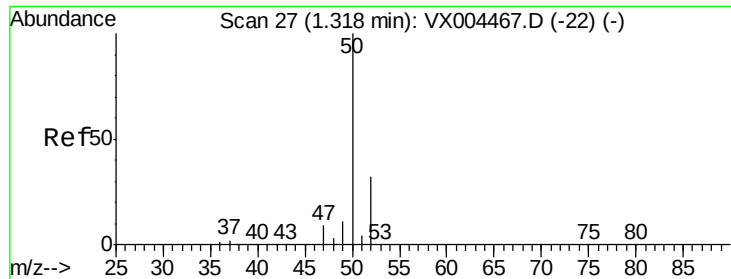
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.31 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 50 Resp: 60194

Ion Ratio Lower Upper

50 100

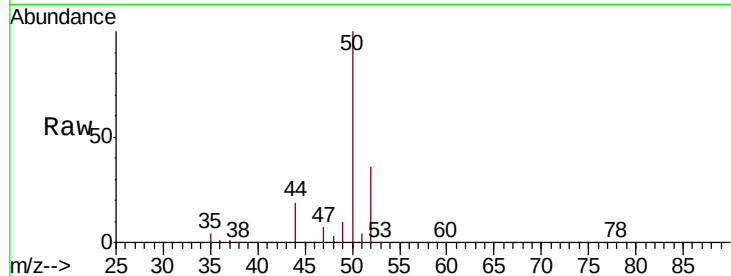
52 36.1 26.2 39.2

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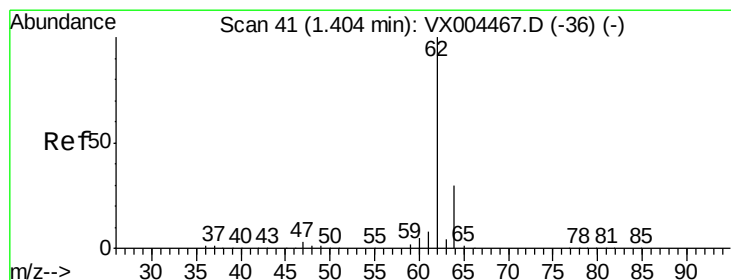
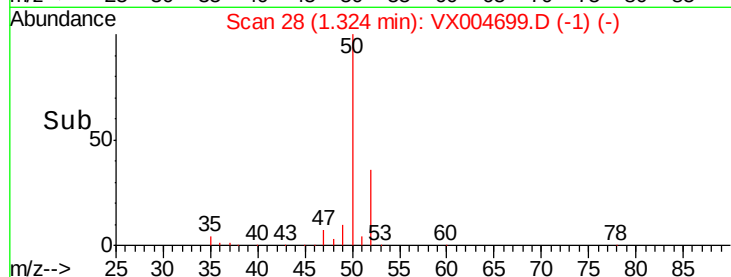
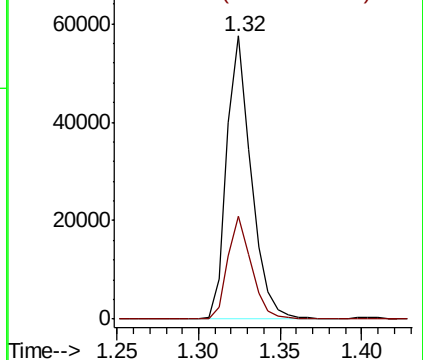
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.96 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004699.D

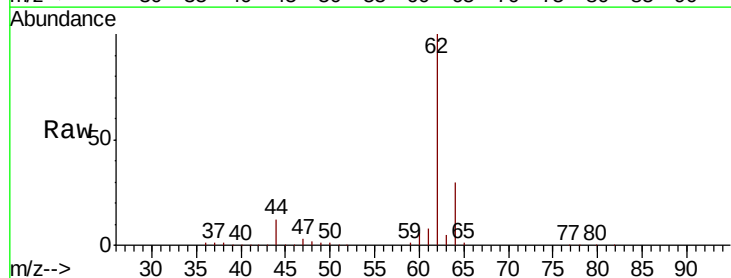
Acq: 19 Sep 2018 12:19

Tgt Ion: 62 Resp: 67060

Ion Ratio Lower Upper

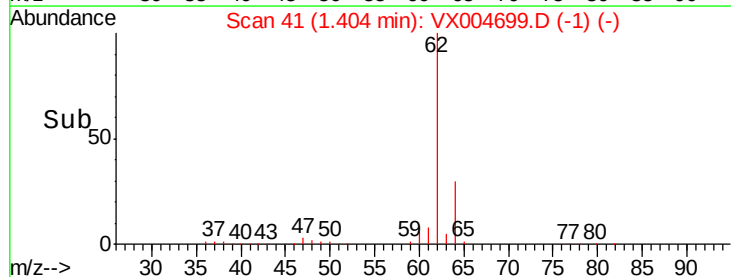
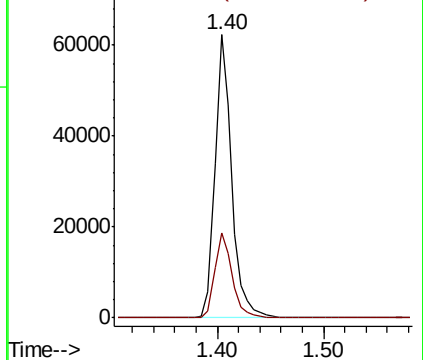
62 100

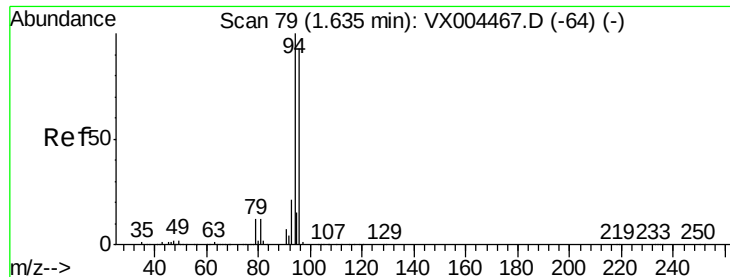
64 29.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 23.74 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 94 Resp: 32631

Ion Ratio Lower Upper

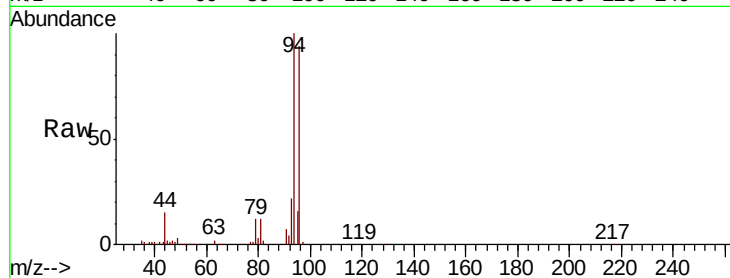
94 100

96 94.4 74.5 111.7

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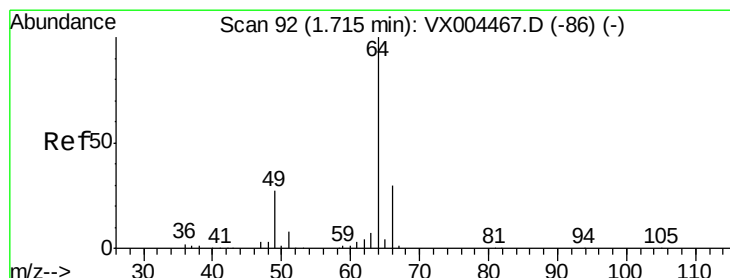
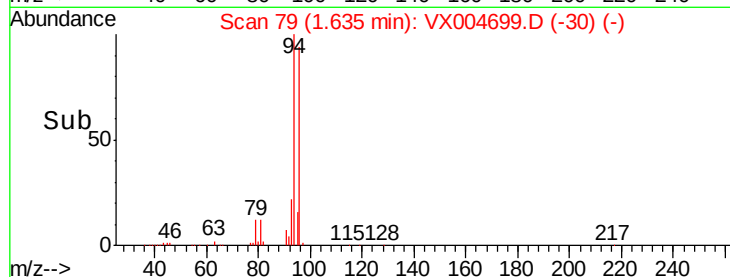
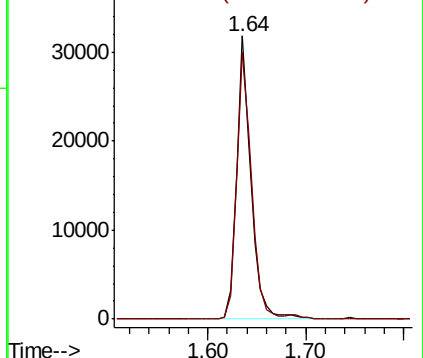
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.97 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004699.D

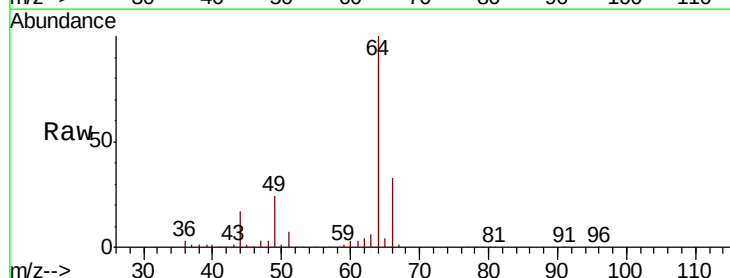
Acq: 19 Sep 2018 12:19

Tgt Ion: 64 Resp: 41302

Ion Ratio Lower Upper

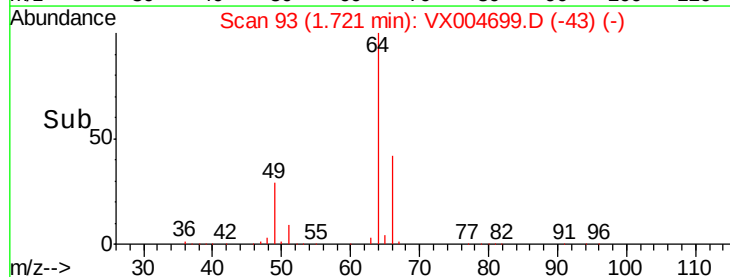
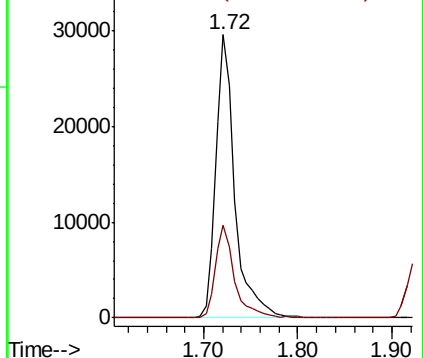
64 100

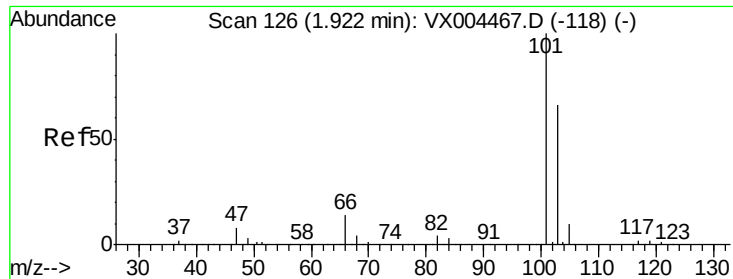
66 32.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

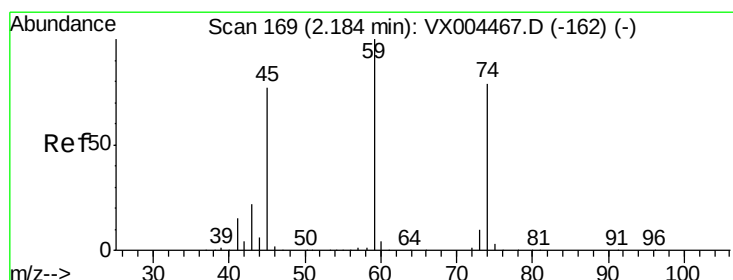
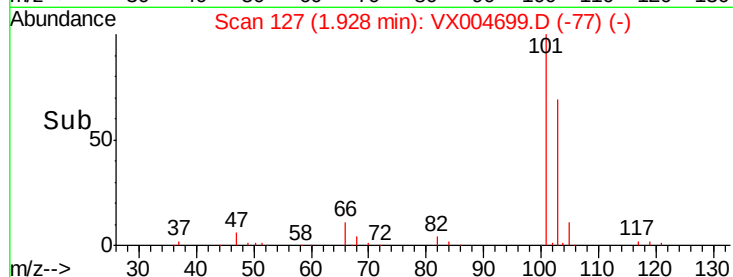
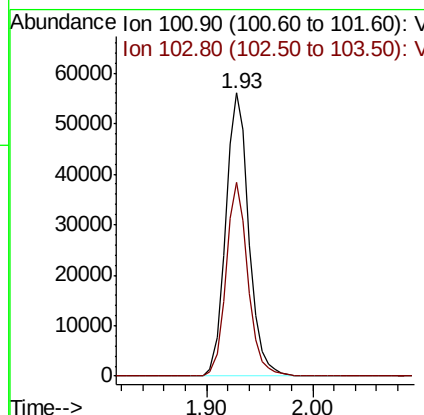
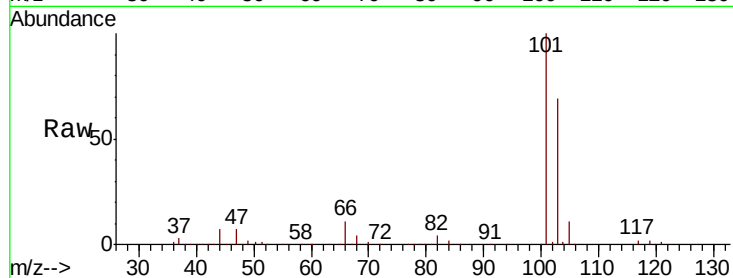
Trichlorofluoromethane
 Concen: 20.04 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.7	48.9	73.3

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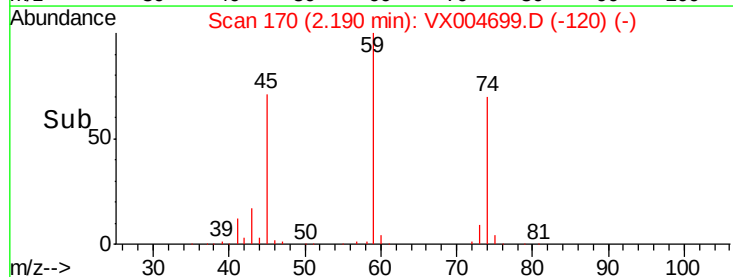
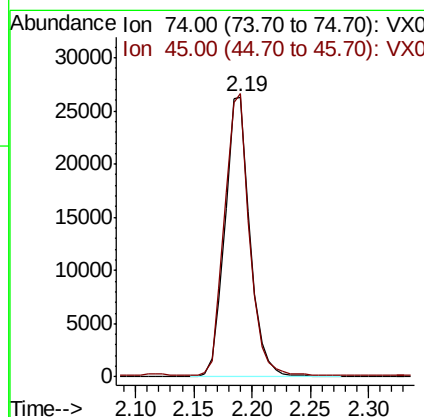
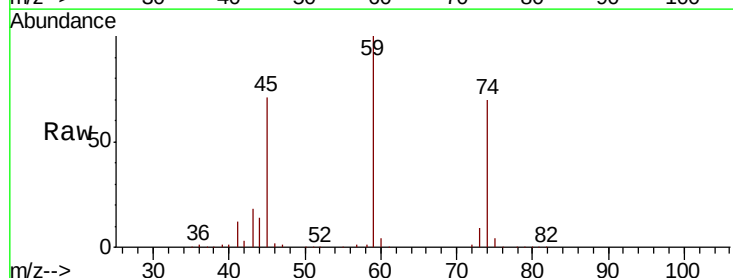
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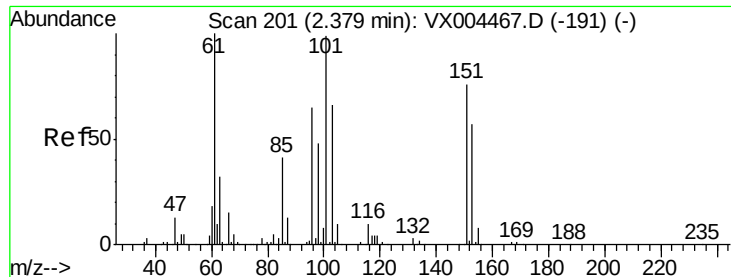


#8

Diethyl Ether
 Concen: 20.59 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.31 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

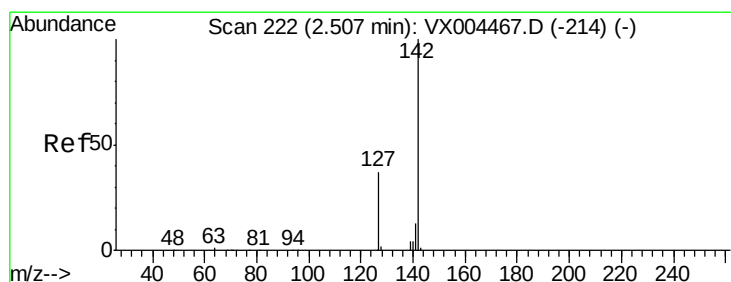
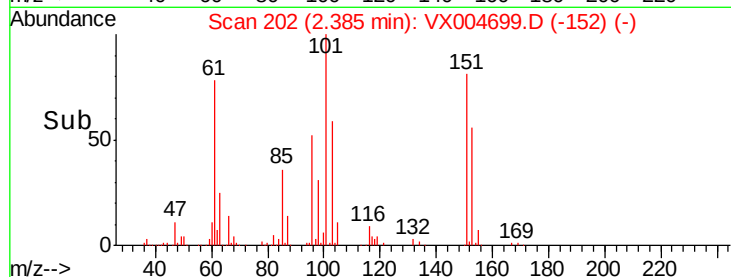
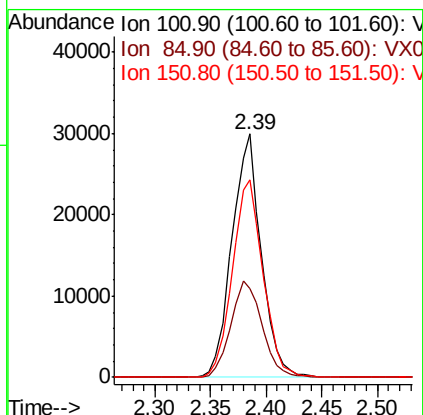
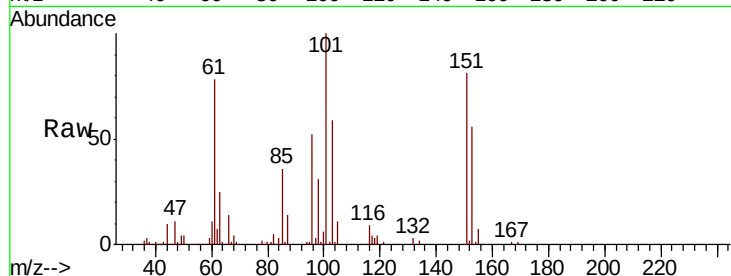
ClientSampleId :

VX0919MBS01

Tot Ion:	101	Resp:	54635
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.4
151	84.5	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 20.03 ug/l

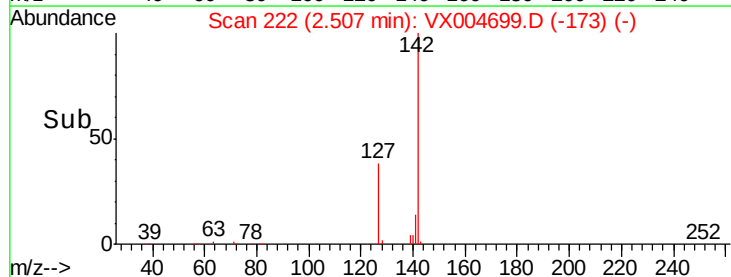
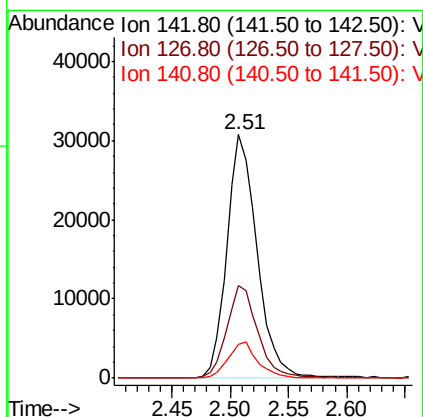
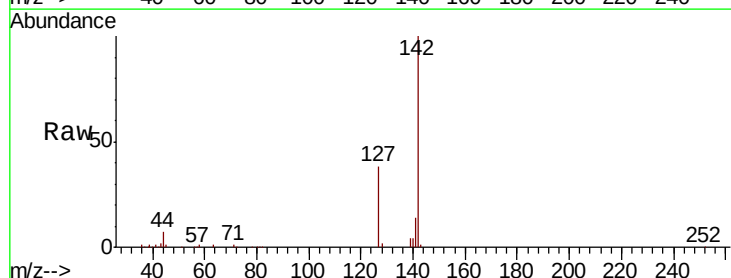
RT: 2.51 min Scan# 222

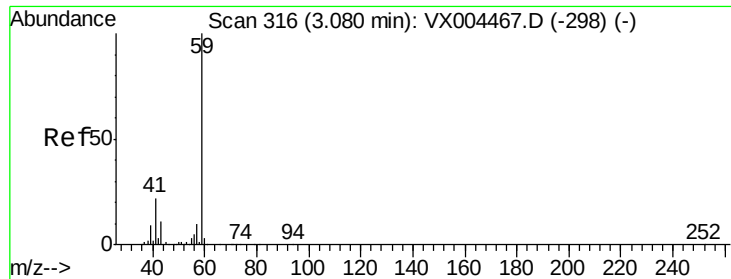
Delta R.T. 0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Tgt Ion:	142	Resp:	55439
Ion Ratio	Lower	Upper	
142	100		
127	38.9	33.8	50.6
141	14.6	11.4	17.0





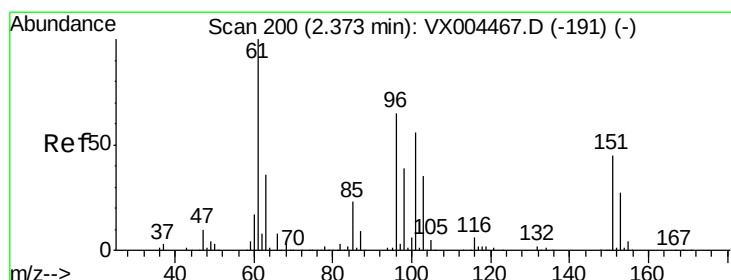
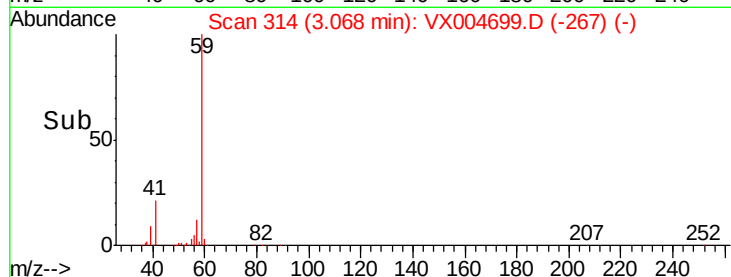
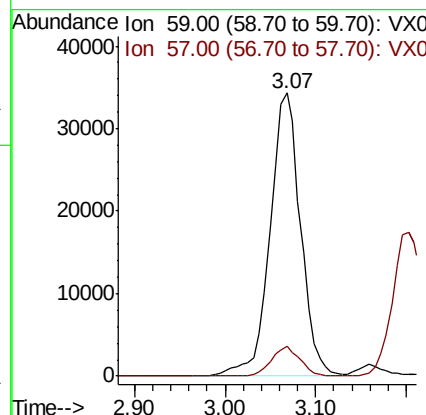
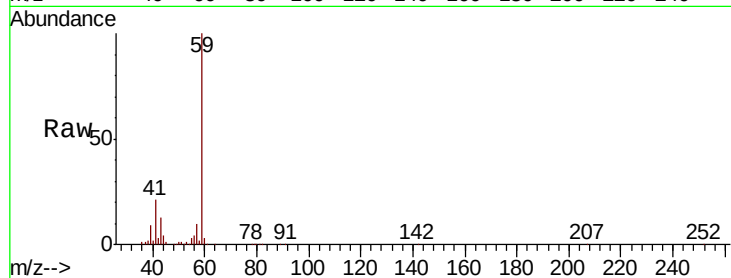
#11
Tert butyl alcohol
Concen: 107.58 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

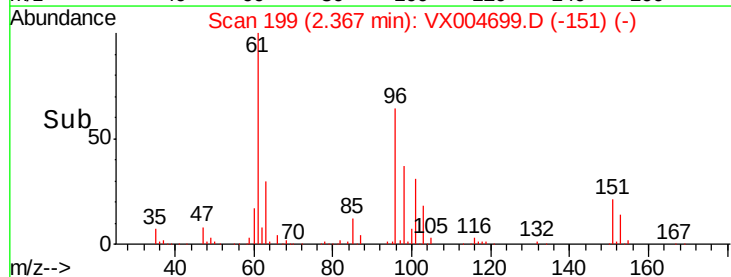
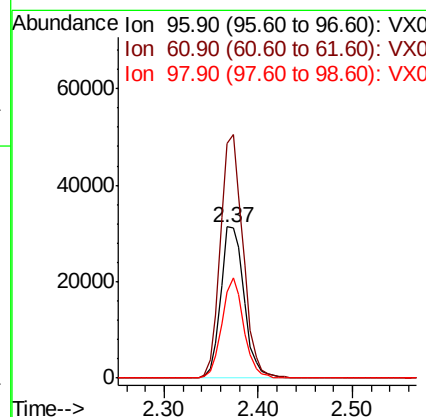
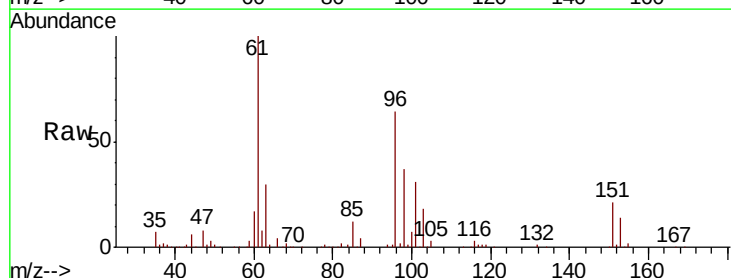
Manual Integrations
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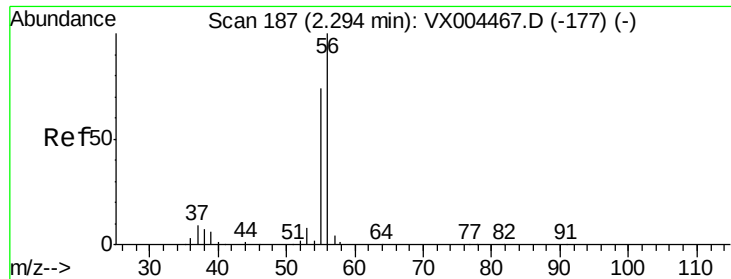
MMDadoda
9/20/2018 1:42:35 PM



#12
1,1-Dichloroethene
Concen: 21.40 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.5	128.8	193.2
98	56.9	52.2	78.2





#13

Acrolein

Concen: 72.53 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 56 Resp: 21287

Ion Ratio Lower Upper

56 100

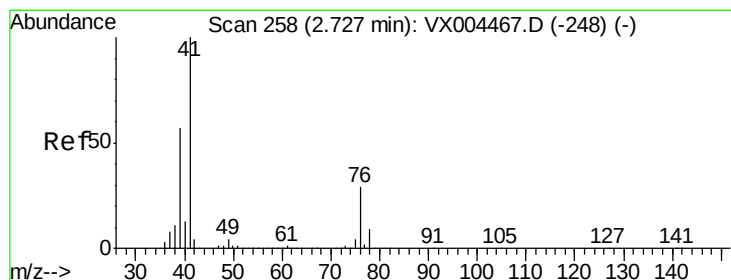
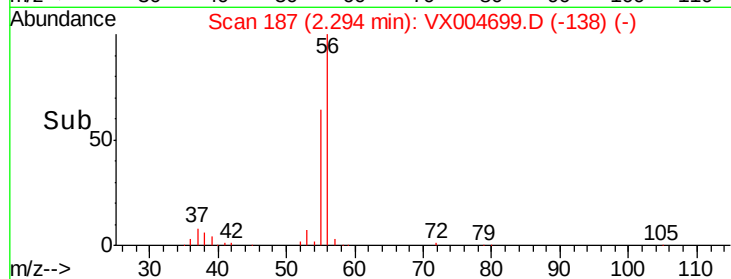
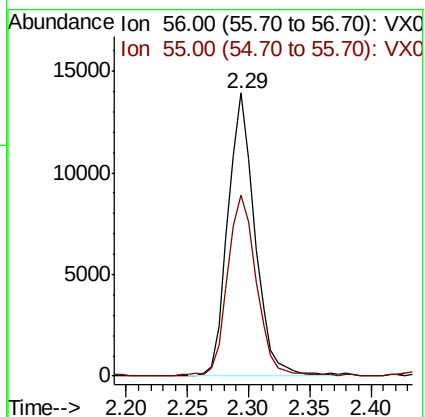
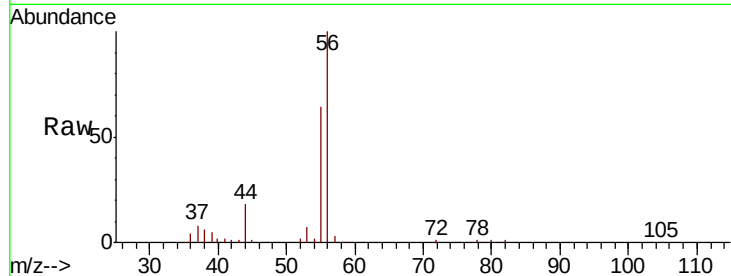
55 69.1 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.02 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

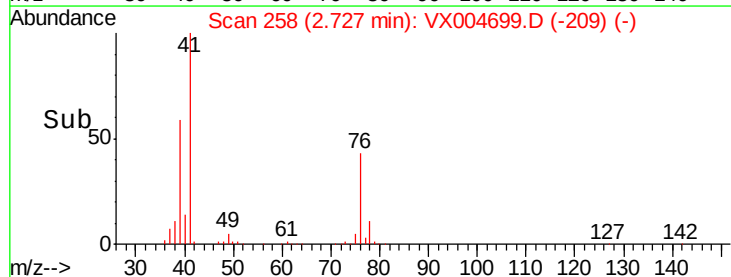
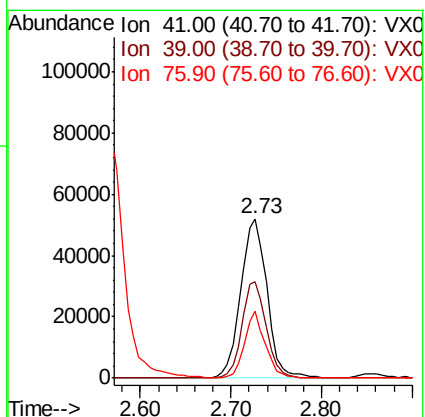
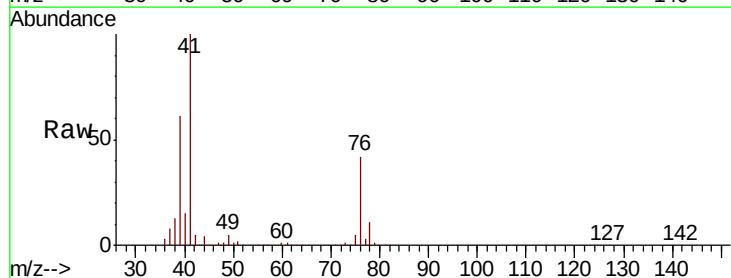
Tgt Ion: 41 Resp: 103928

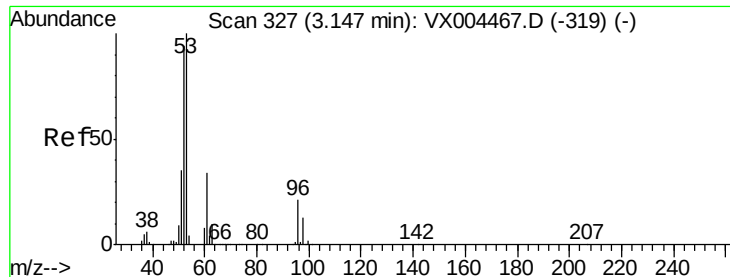
Ion Ratio Lower Upper

41 100

39 56.2 48.9 73.3

76 33.5 26.7 40.1





#15

Acrylonitrile

Concen: 98.86 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

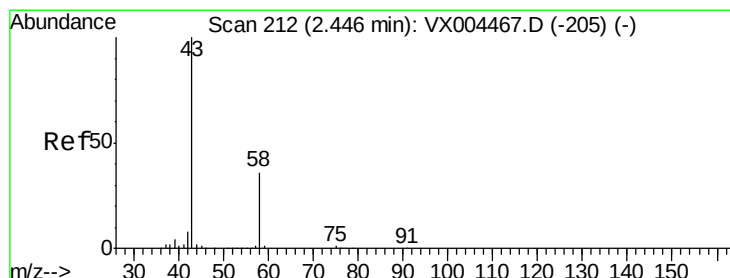
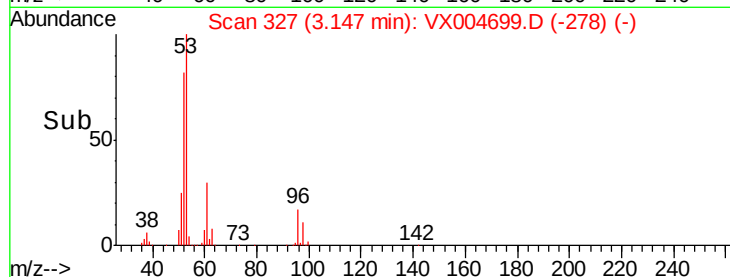
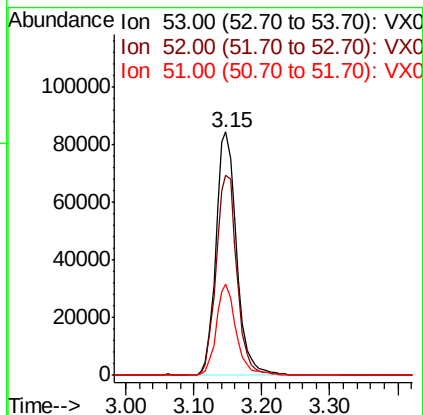
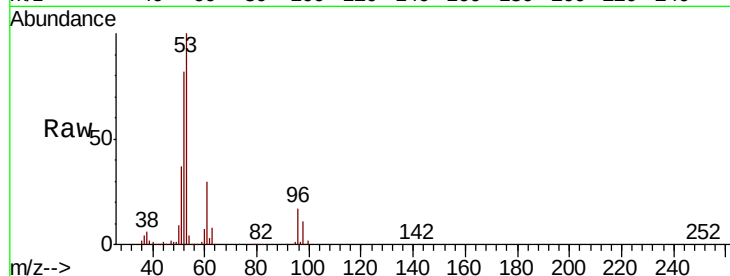
ClientSampleId :

VX0919MBS01

Tot Ion:	53	Resp:	176996
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.2	97.8
51	36.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 95.23 ug/l

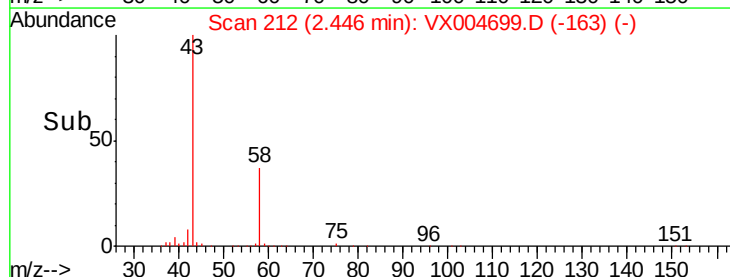
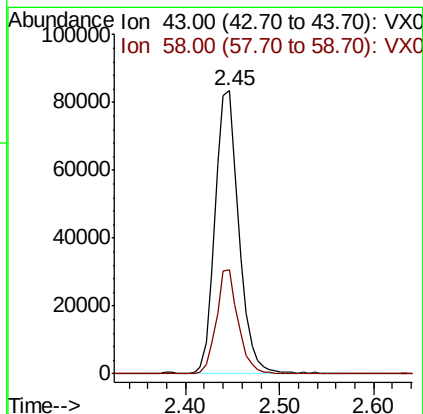
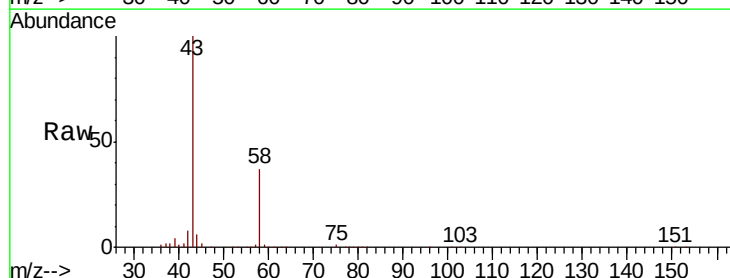
RT: 2.45 min Scan# 212

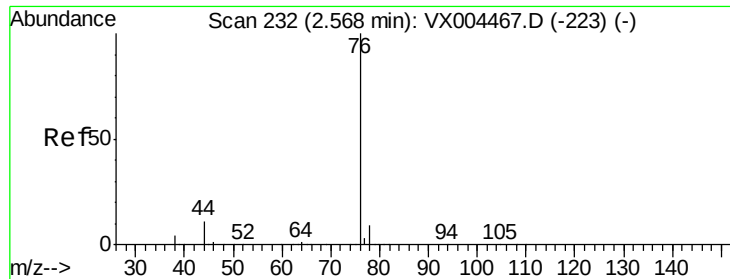
Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Tgt Ion:	43	Resp:	144816
Ion	Ratio	Lower	Upper
43	100		
58	37.0	26.2	39.4





#17

Carbon Disulfide

Concen: 18.97 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 76 Resp: 138468

Ion Ratio Lower Upper

76 100

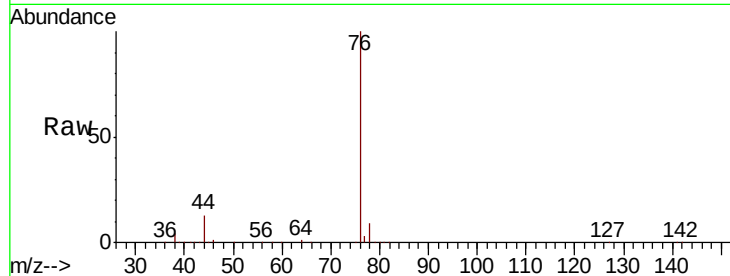
78 8.5 7.0 10.6

Manual Integrations

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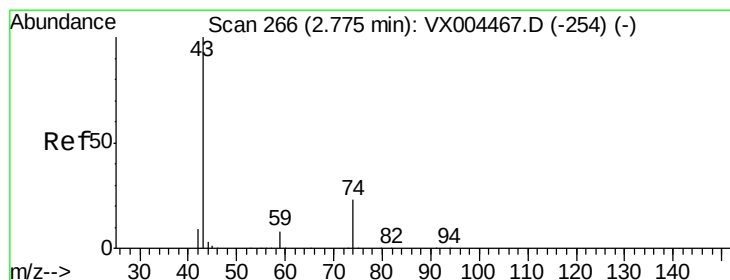
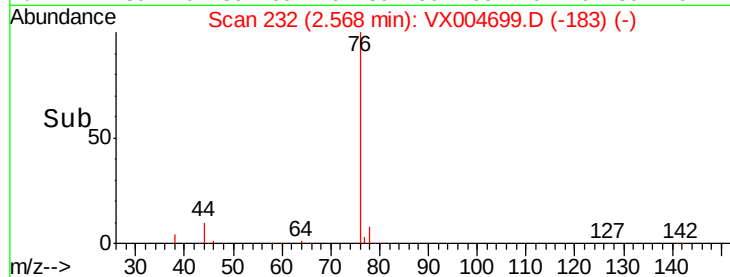
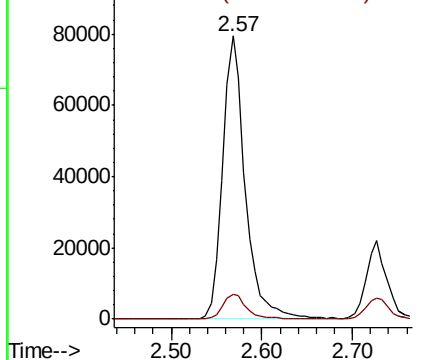
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 22.26 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX004699.D

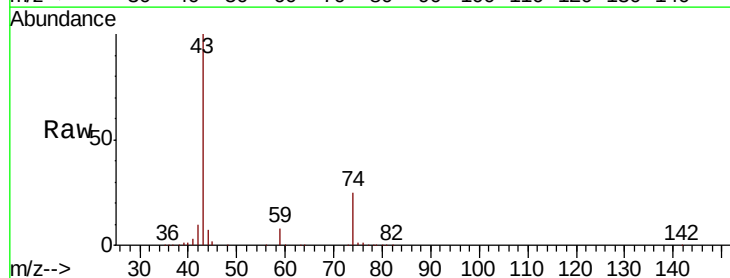
Acq: 19 Sep 2018 12:19

Tgt Ion: 43 Resp: 94960

Ion Ratio Lower Upper

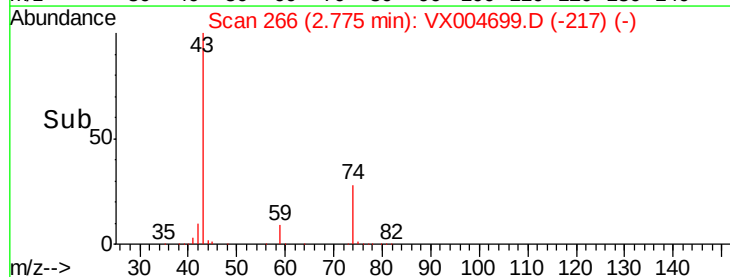
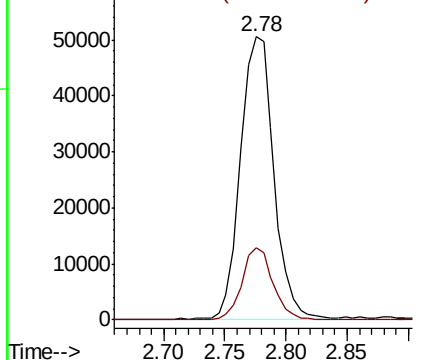
43 100

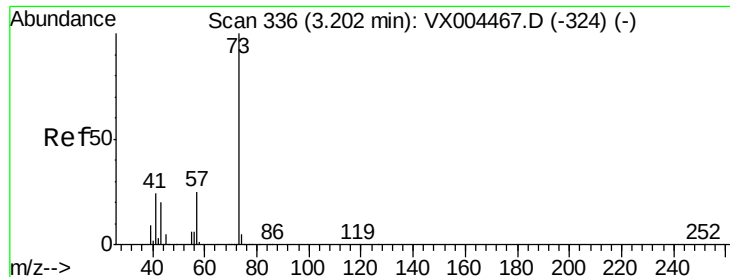
74 24.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

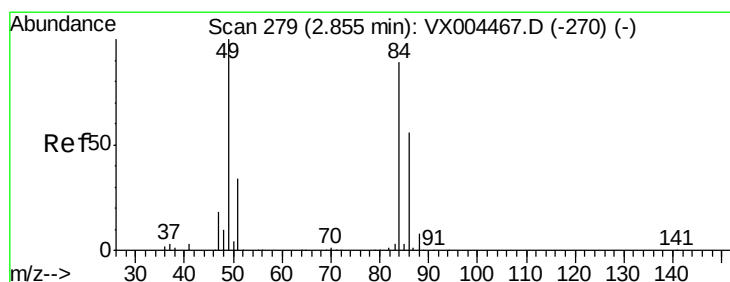
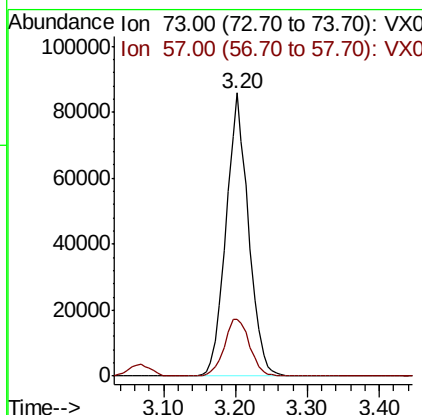
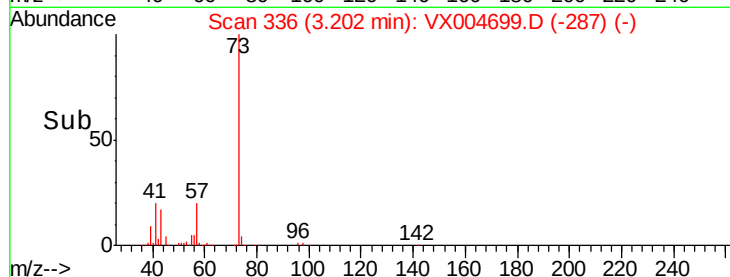
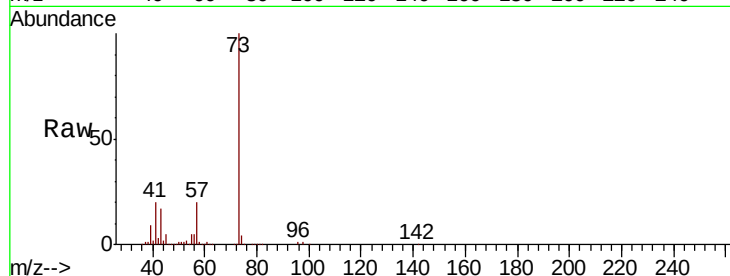
Methyl tert-butyl Ether
 Concen: 21.05 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.1	25.7

Manual Integrations
 APPROVED

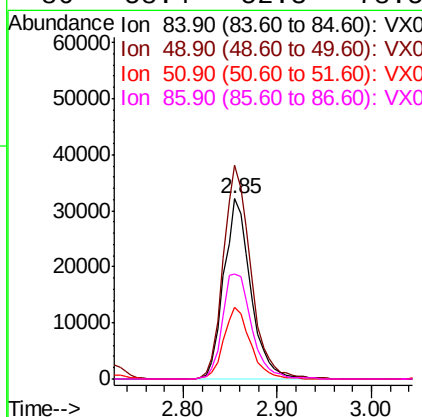
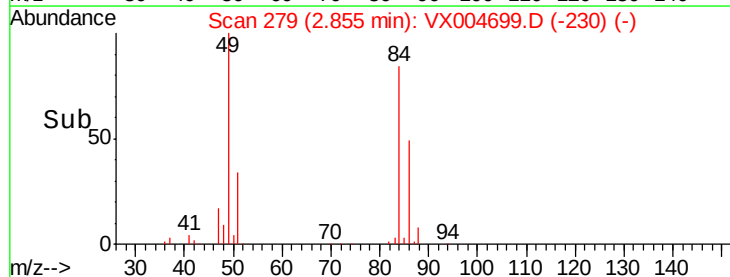
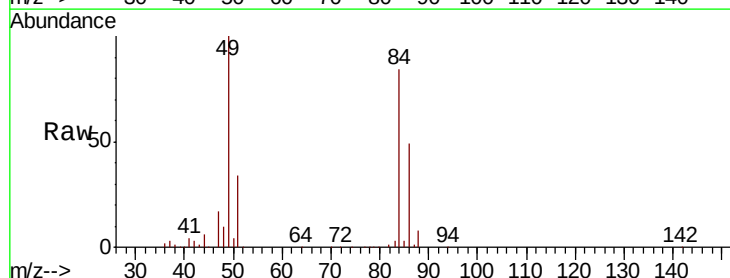
MMDadoda
 9/20/2018 1:42:35 PM

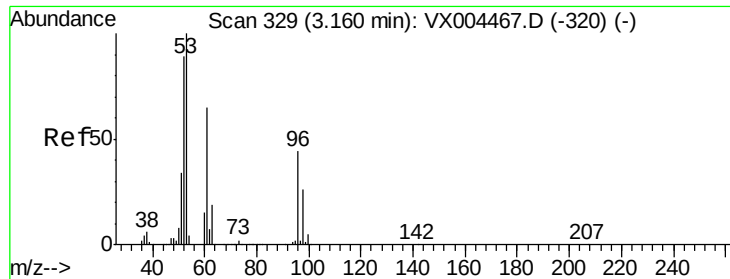


#20

Methylene Chloride
 Concen: 20.51 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.4	101.2	151.8
51	39.6	29.5	44.3
86	58.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.69 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampled :

VX0919MBS01

Tot Ion: 96 Resp: 54942

Ion Ratio Lower Upper

96 100

61 142.8 113.8 170.6

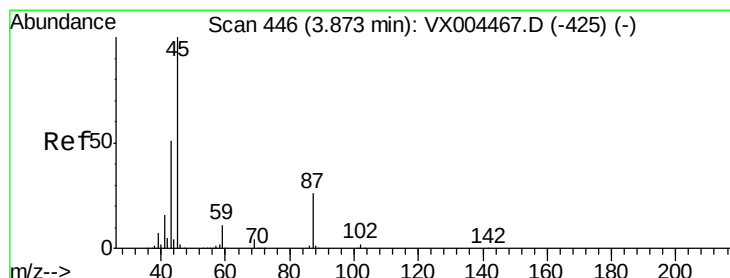
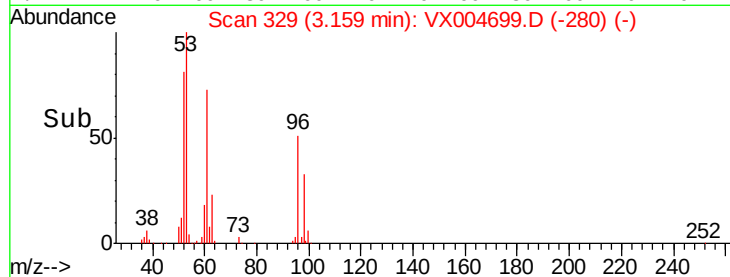
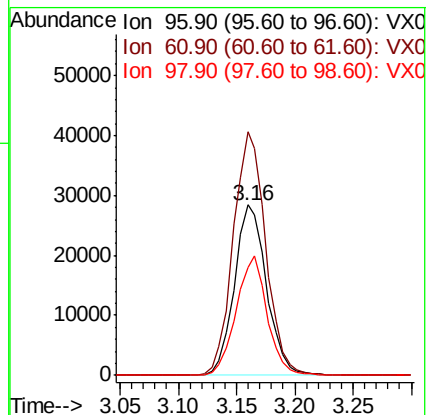
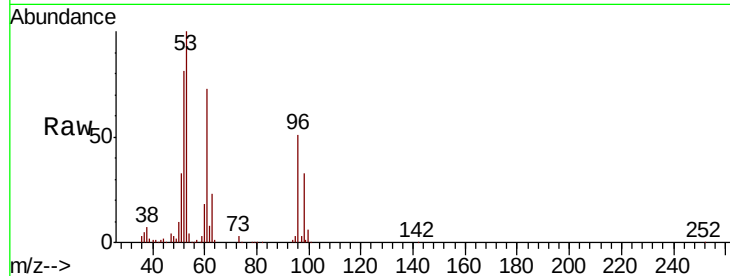
98 63.8 51.8 77.8

Manual Integrations

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9/20/2018 1:42:35 PM



#22

Diisopropyl ether

Concen: 21.13 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Tgt Ion: 45 Resp: 197583

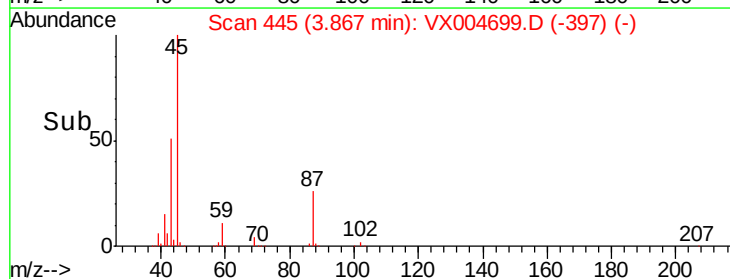
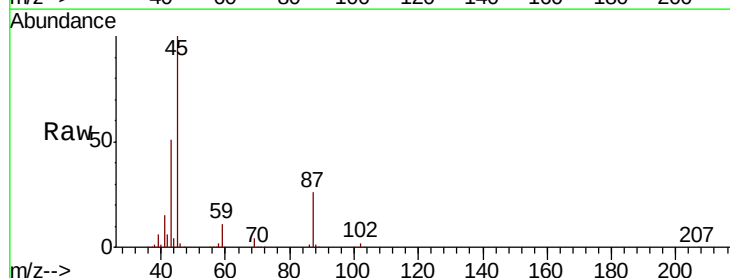
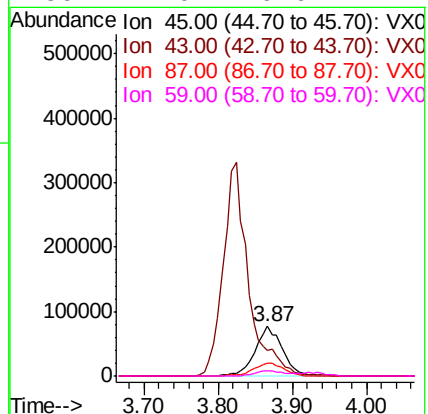
Ion Ratio Lower Upper

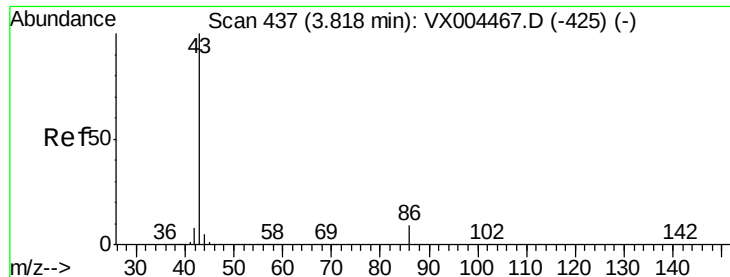
45 100

43 50.6 42.8 64.2

87 25.9 22.6 34.0

59 11.0 9.6 14.4





#23

Vinyl Acetate

Concen: 104.10 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 43 Resp: 787615

Ion Ratio Lower Upper

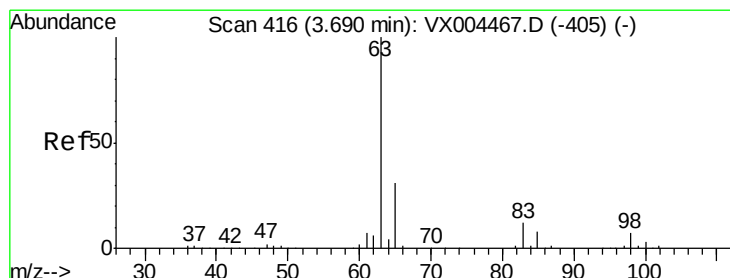
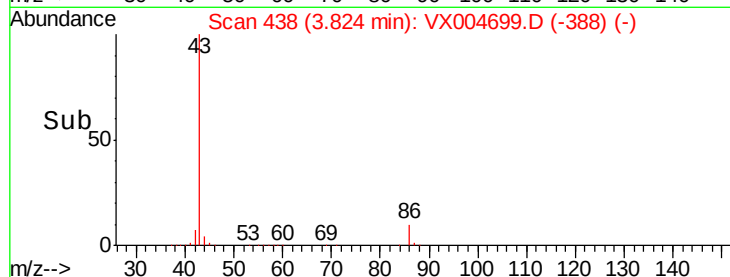
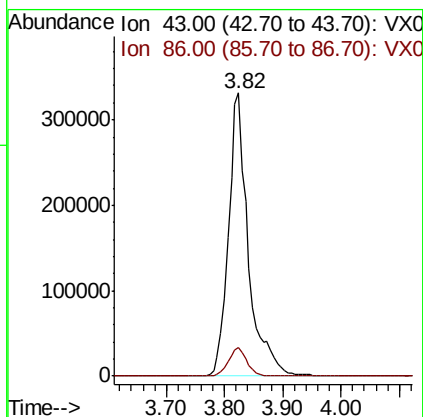
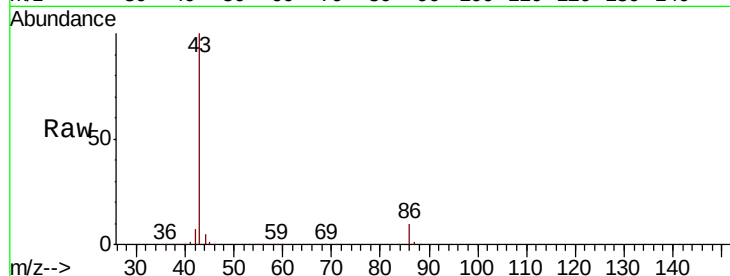
43 100

86 10.0 8.9 13.3

Manual Integrations
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9/20/2018 1:42:35 PM



#24

1,1-Dichloroethane

Concen: 20.22 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

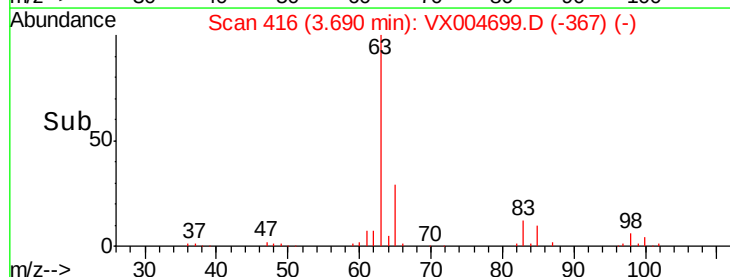
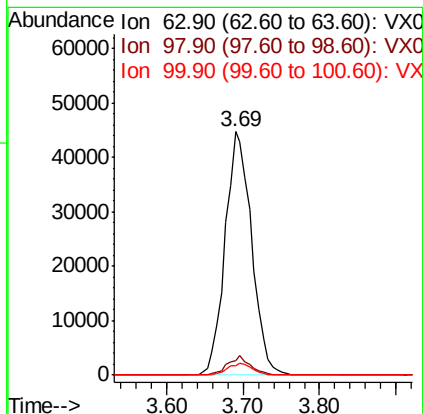
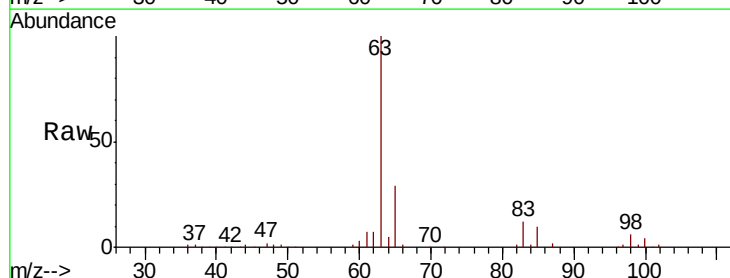
Tgt Ion: 63 Resp: 106751

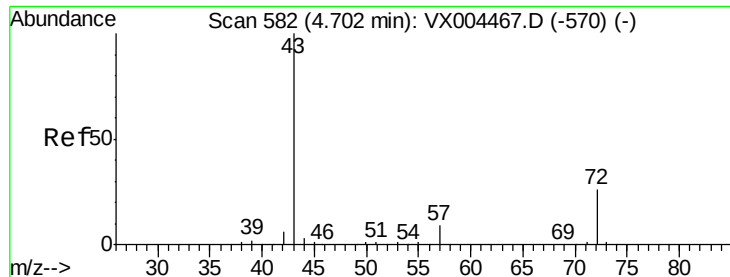
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 4.1 2.4 7.1





#25

2-Butanone

Concen: 95.86 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 43 Resp: 232004

Ion Ratio Lower Upper

43 100

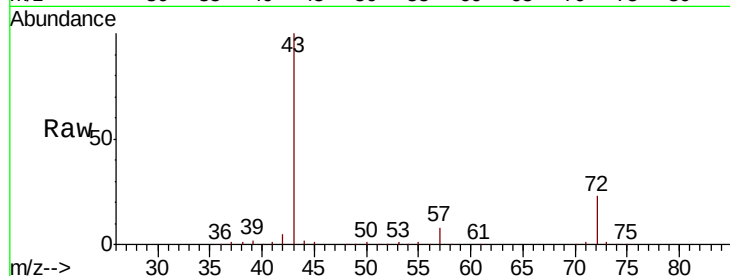
72 23.0 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

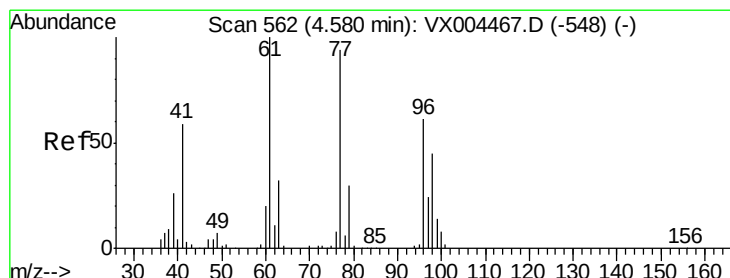
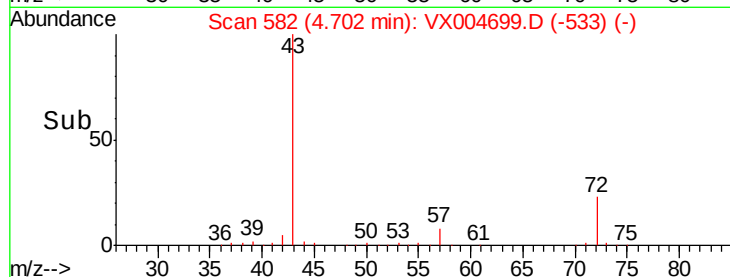
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 22.65 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004699.D

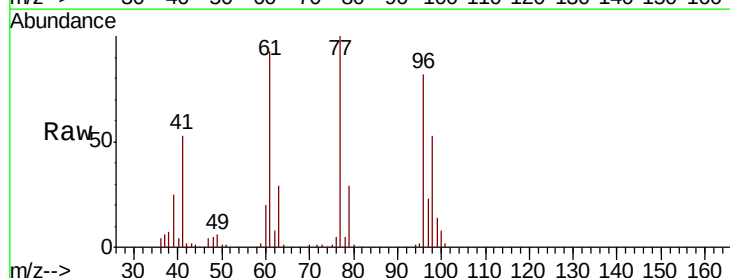
Acq: 19 Sep 2018 12:19

Tgt Ion: 77 Resp: 82126

Ion Ratio Lower Upper

77 100

97 24.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

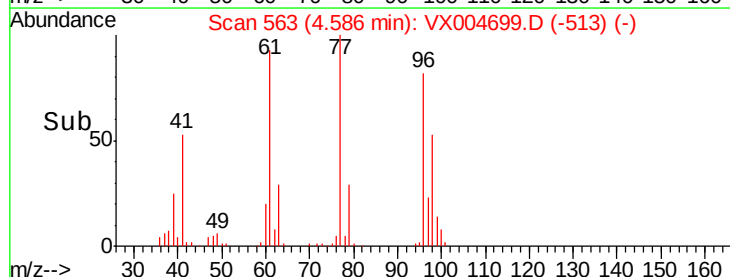
10000

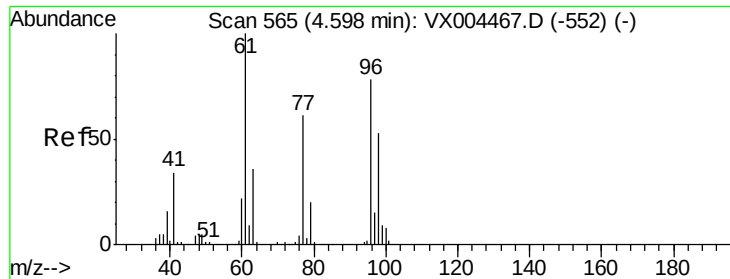
5000

0

4.50 4.60 4.70

Time-->





#27

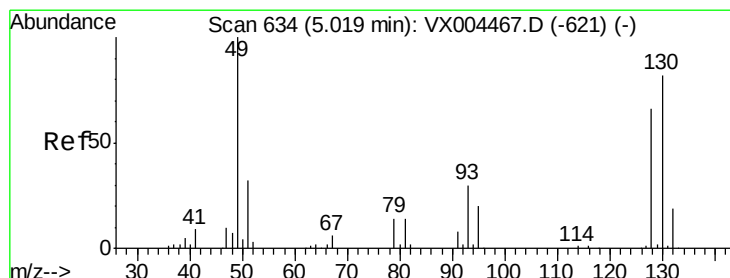
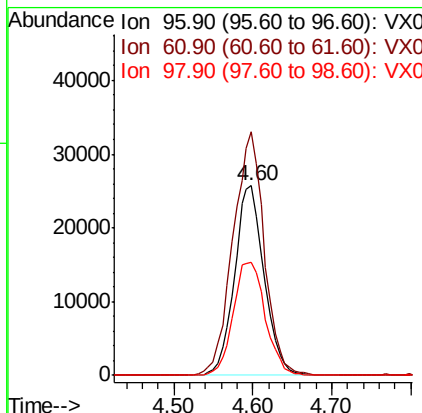
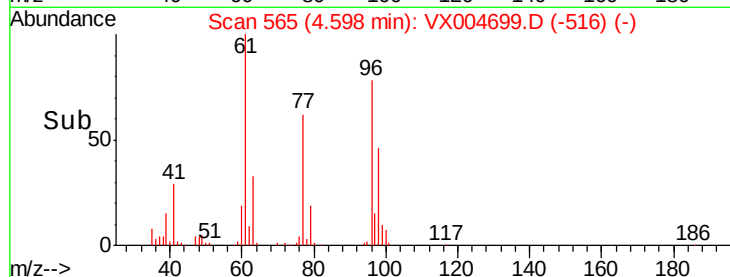
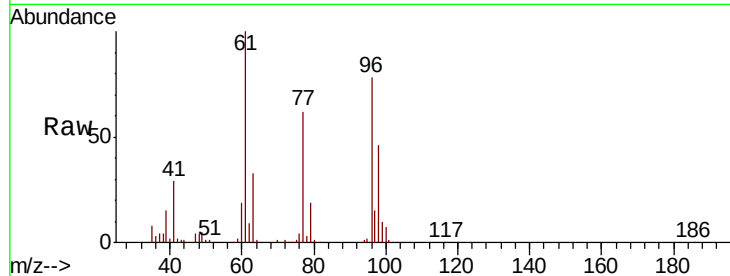
cis-1,2-Dichloroethene
Concen: 21.61 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	282.6
98	64.5	0.0	130.2

Manual Integrations
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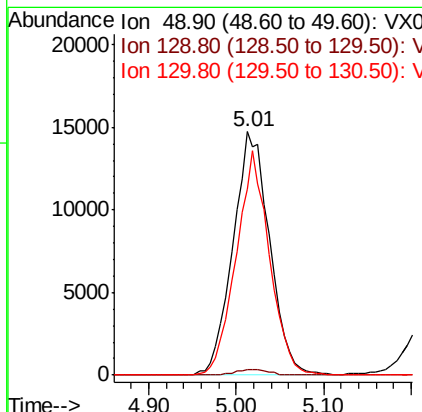
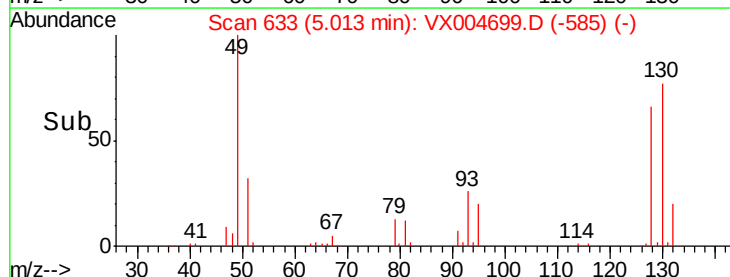
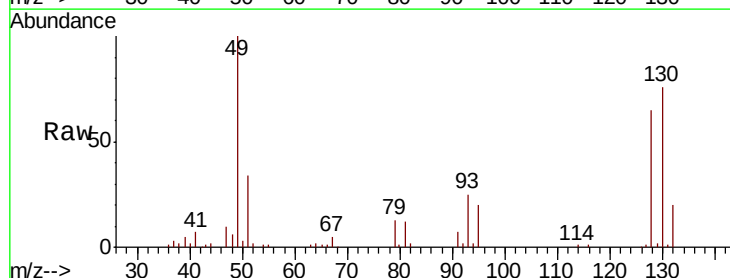
MMDadoda
9/20/2018 1:42:35 PM

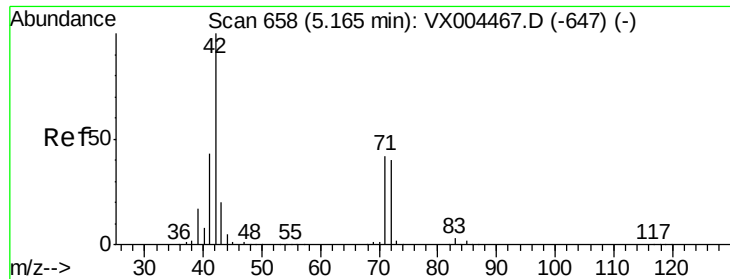


#28

Bromochloromethane
Concen: 17.76 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	83.6	67.5	101.3





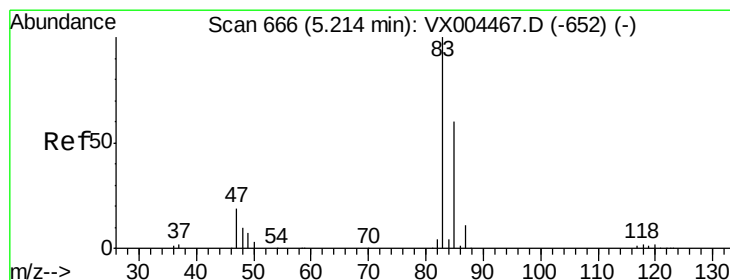
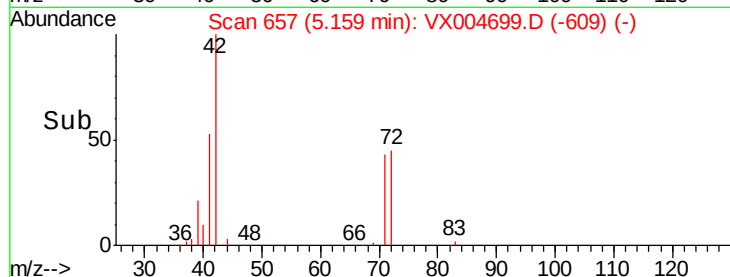
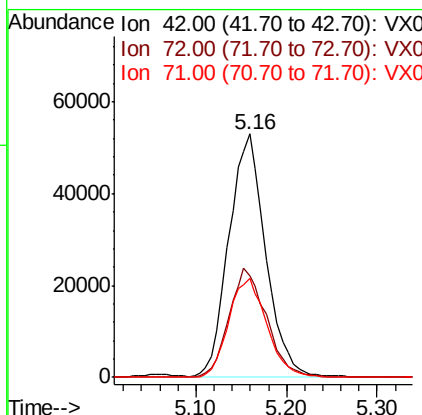
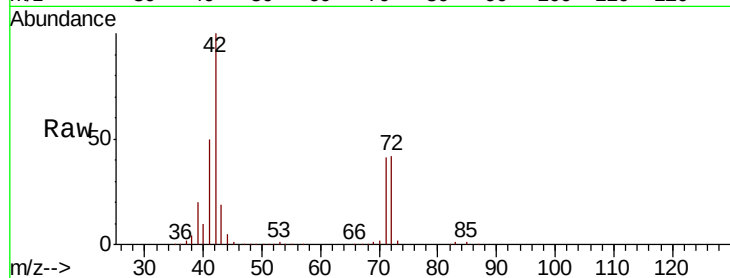
#29
Tetrahydrofuran
Concen: 101.58 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	37.4	56.0
71	42.4	34.5	51.7

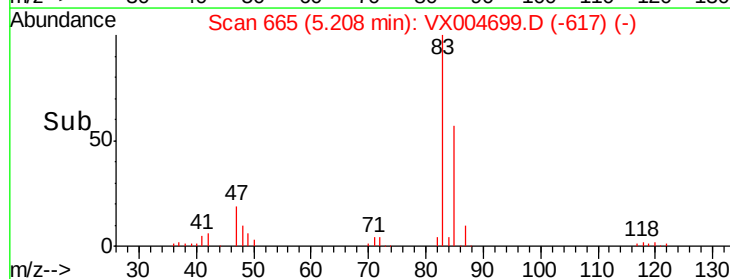
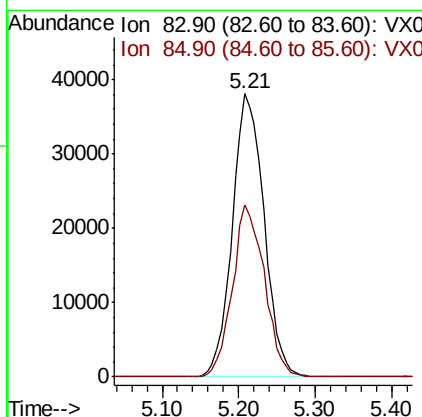
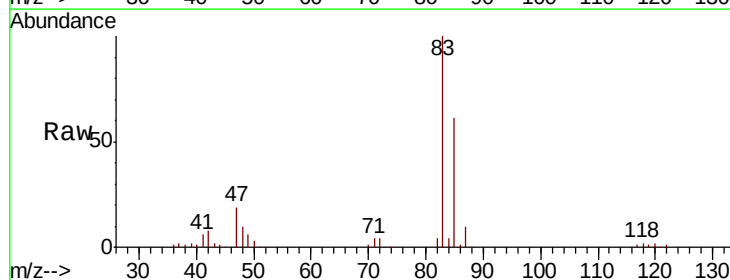
Manual Integrations
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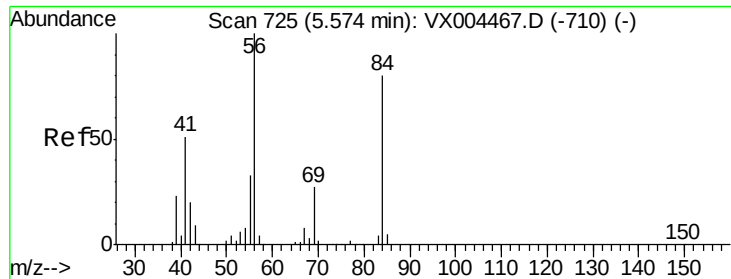
MMDadoda
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#30
Chloroform
Concen: 21.21 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.6	52.6	79.0





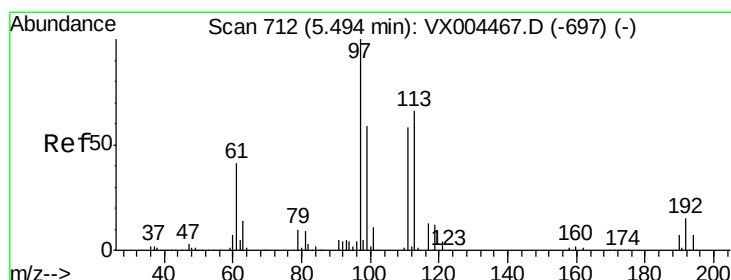
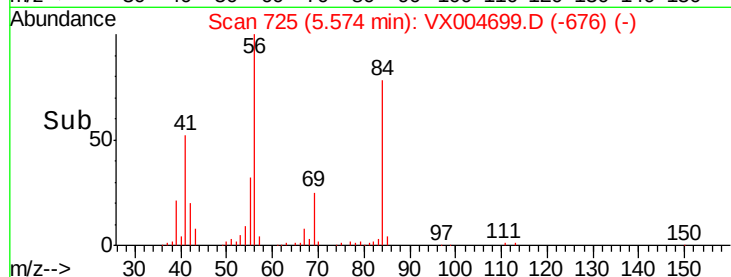
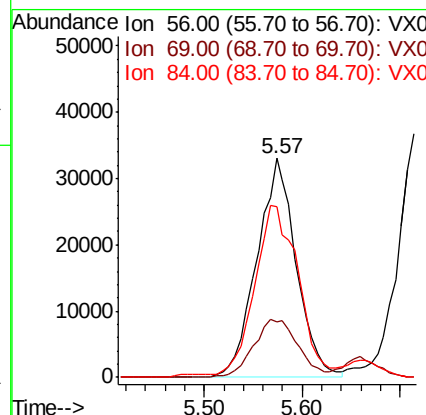
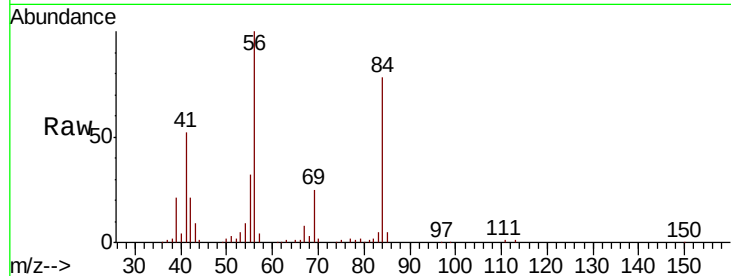
#31
Cyclohexane
Concen: 20.47 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.3	25.4	38.2#
84	76.8	71.4	107.2

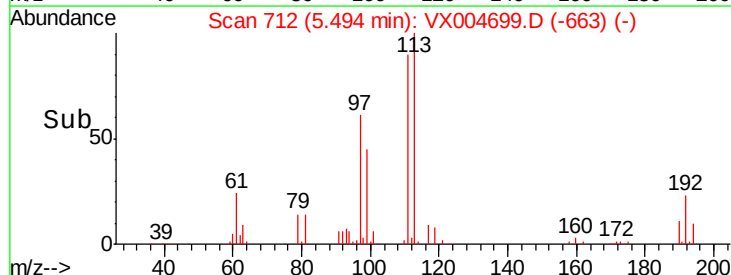
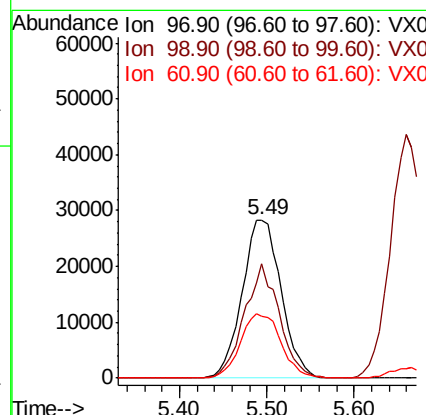
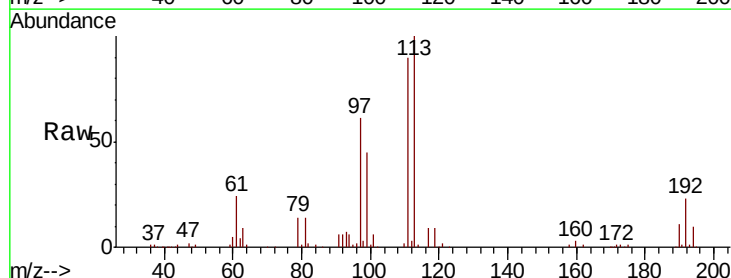
Manual Integrations
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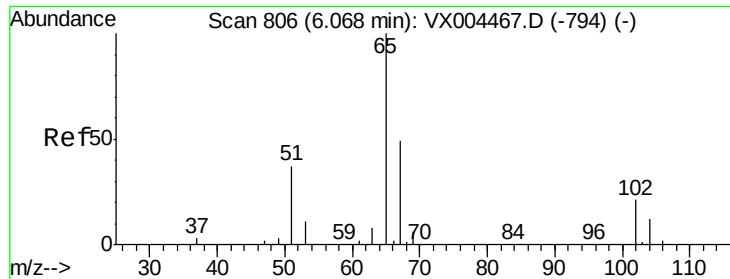
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#32
1,1,1-Trichloroethane
Concen: 21.13 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.0	78.0
61	42.4	34.9	52.3





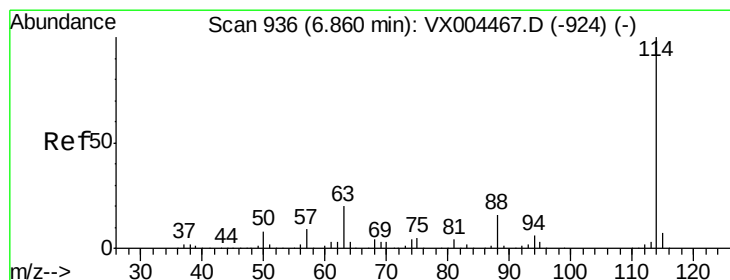
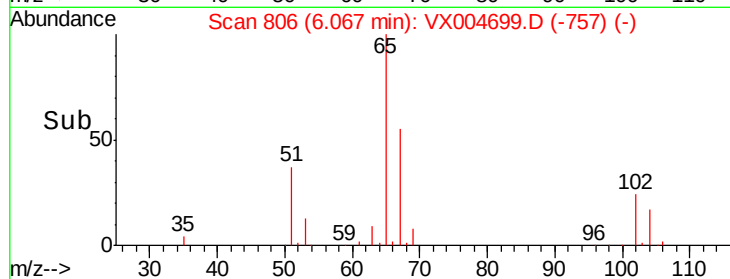
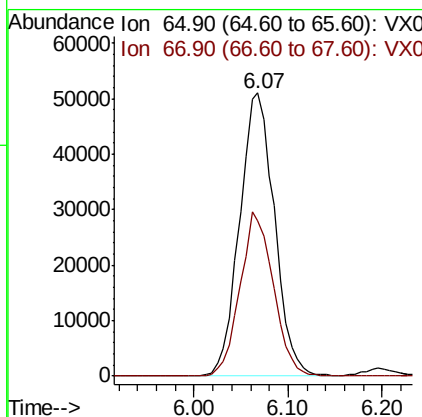
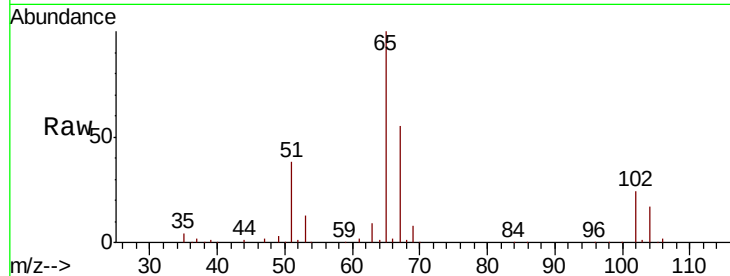
#33
 1,2-Dichloroethane-d4
 Concen: 42.40 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	132105		
67	55.6	0.0	106.8	

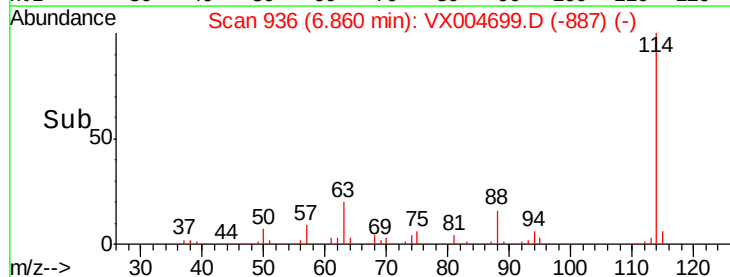
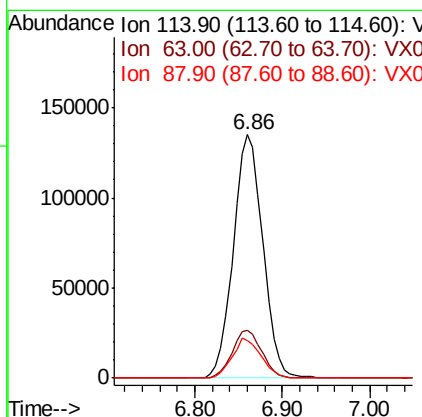
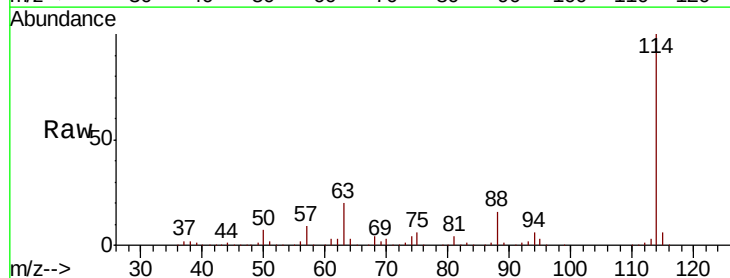
Manual Integrations
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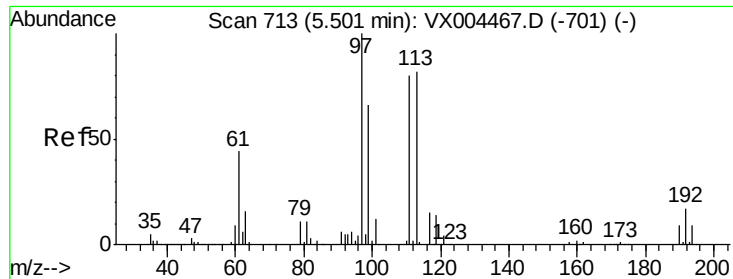
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	317419		
63	19.7	0.0	39.0	
88	15.6	0.0	30.4	





#35

Dibromofluoromethane

Concen: 44.67 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

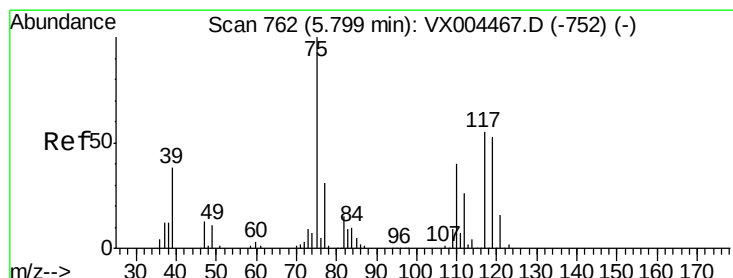
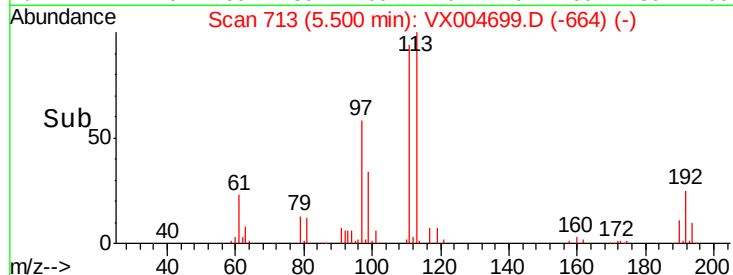
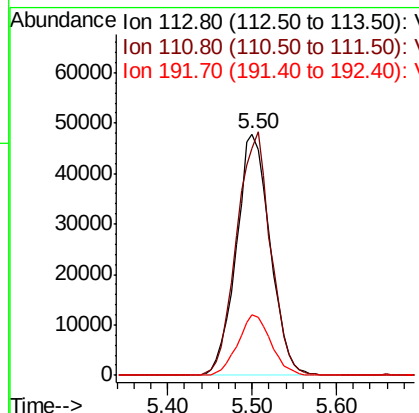
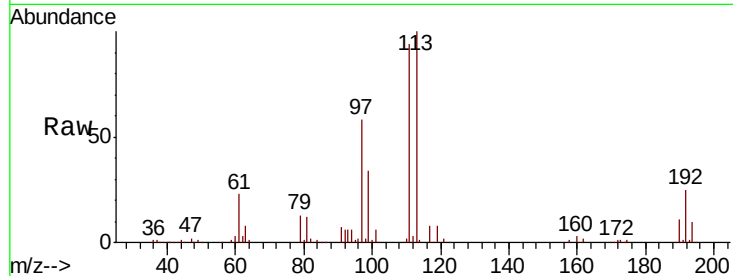
ClientSampleId :

VX0919MBS01

Tot Ion:	113	Resp:	129740
Ion Ratio	Lower	Upper	
113	100		
111	101.2	82.4	123.6
192	24.5	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.67 ug/l

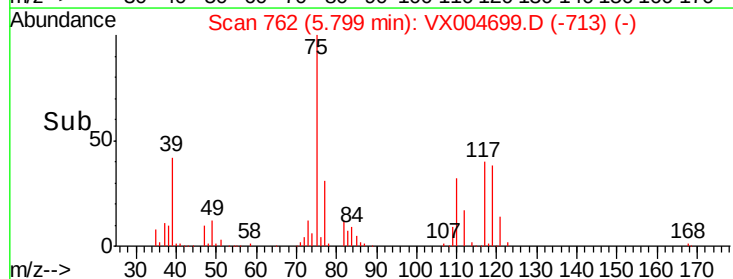
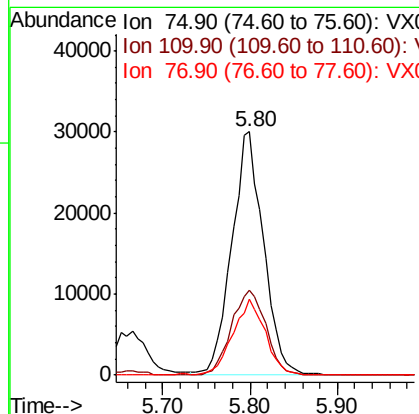
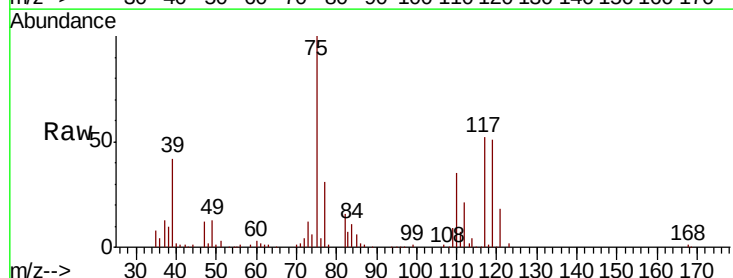
RT: 5.80 min Scan# 762

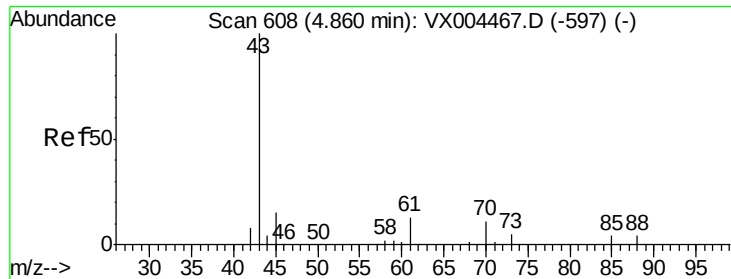
Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Tgt Ion:	75	Resp:	75793
Ion Ratio	Lower	Upper	
75	100		
110	37.7	18.0	54.0
77	31.5	24.6	36.8





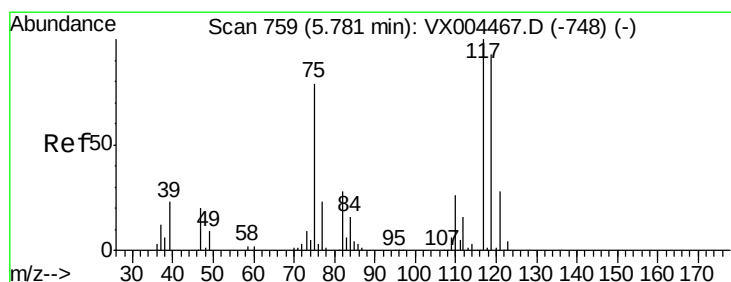
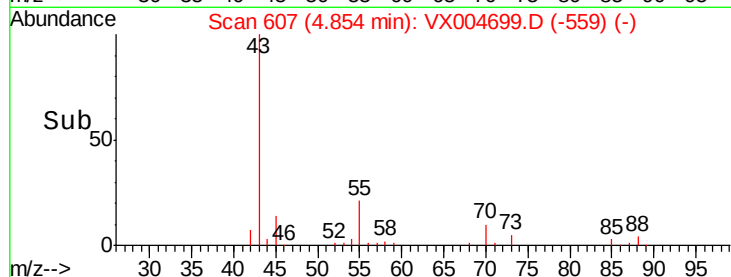
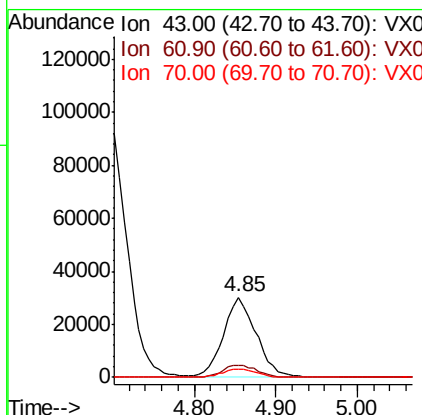
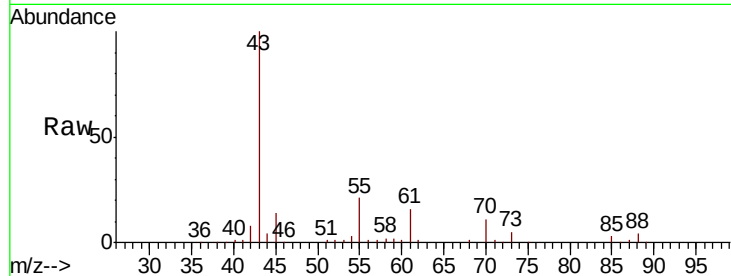
#37
Ethyl Acetate
Concen: 18.93 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	11.5	17.3
70	11.6	9.0	13.6

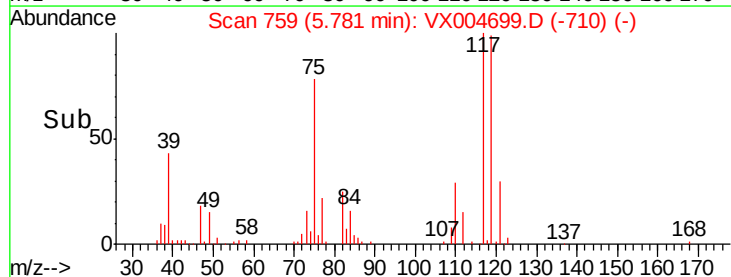
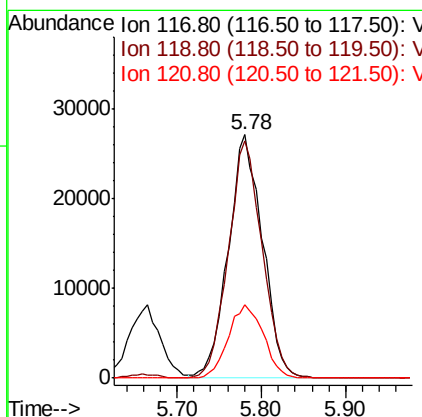
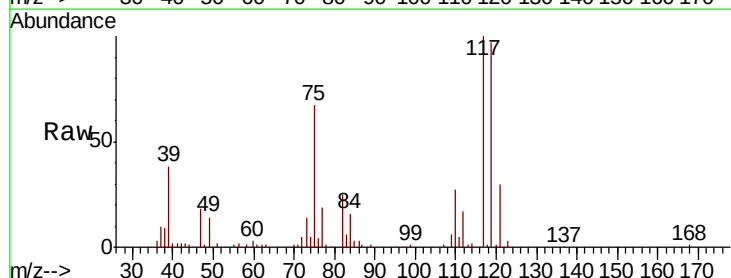
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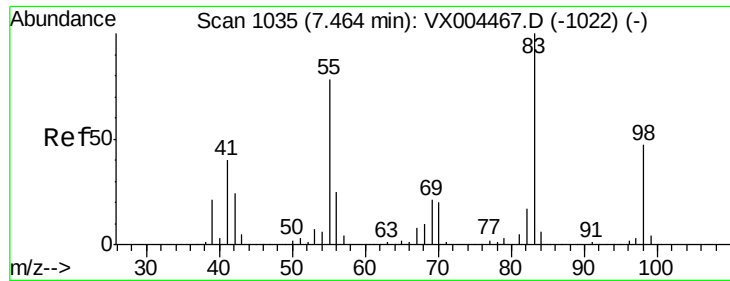
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#38
Carbon Tetrachloride
Concen: 19.92 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.8	118.2
121	30.1	24.9	37.3





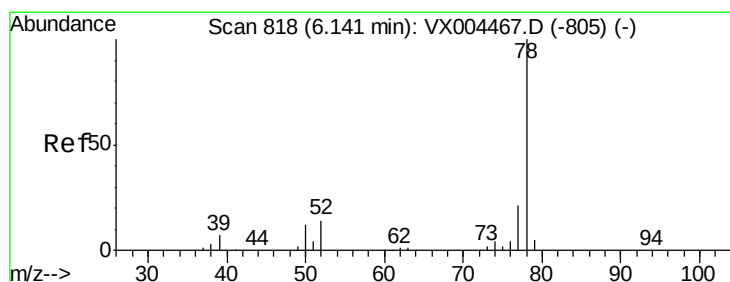
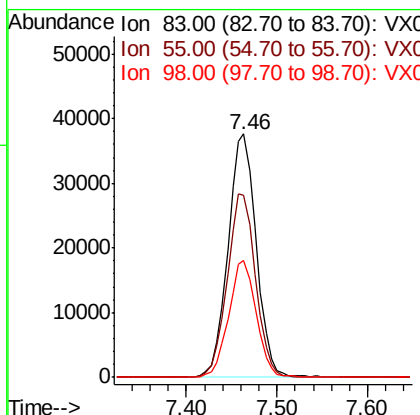
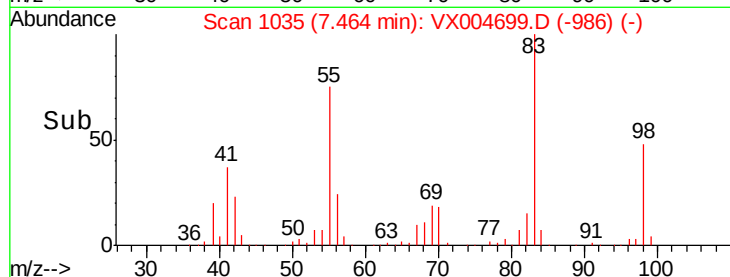
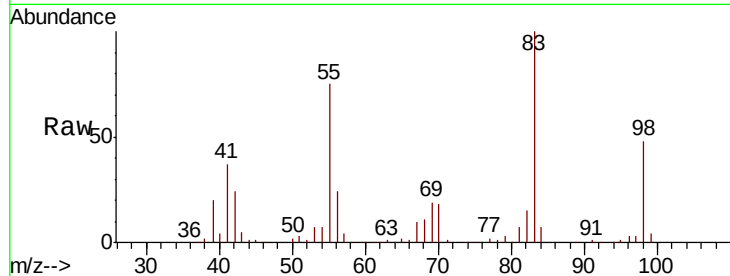
#39
Methylvlcyclohexane
Concen: 20.35 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	61.0	91.4
98	48.0	39.6	59.4

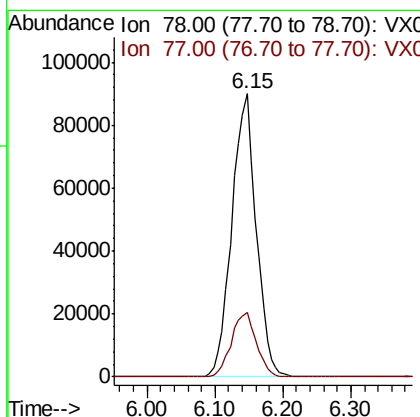
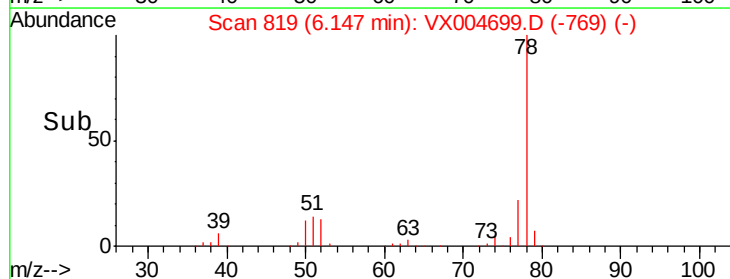
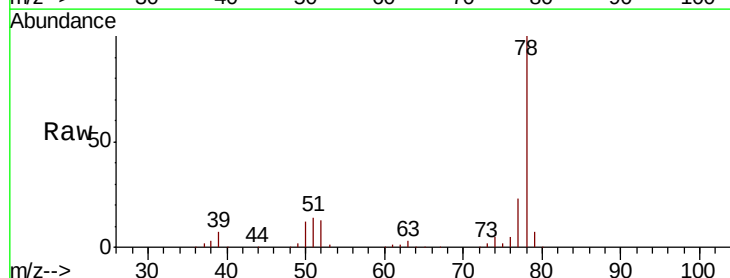
Manual Integrations
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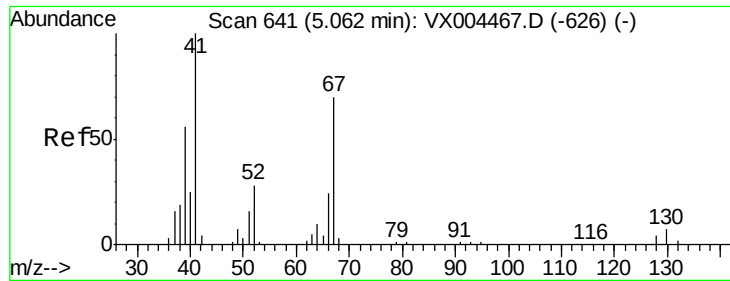
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#40
Benzene
Concen: 19.59 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.4





#41

Methacrylonitrile

Concen: 19.73 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

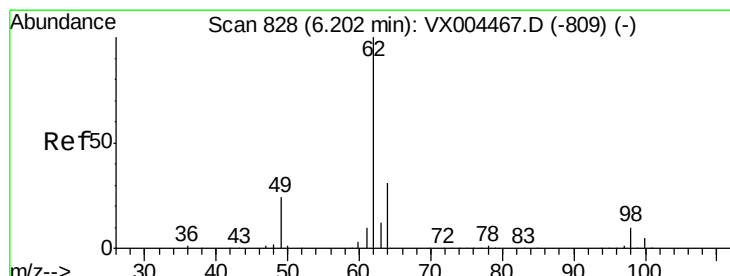
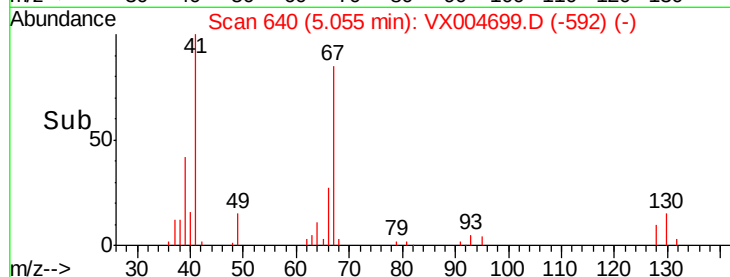
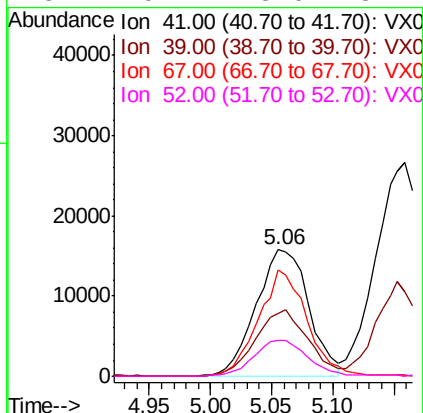
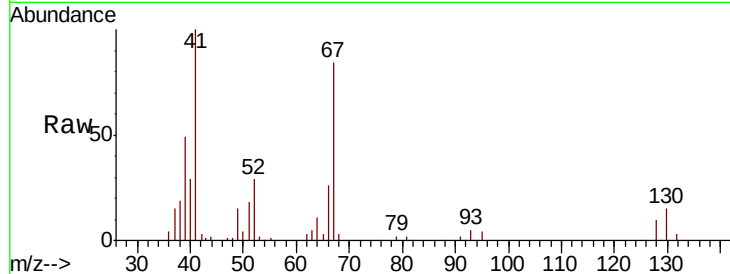
ClientSampleId :

VX0919MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.4	63.6	
67	77.0	59.2	88.8	
52	29.2	23.0	34.4	

Manual Integrations
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9/20/2018 1:42:35 PM



#42

1,2-Dichloroethane

Concen: 19.03 ug/l

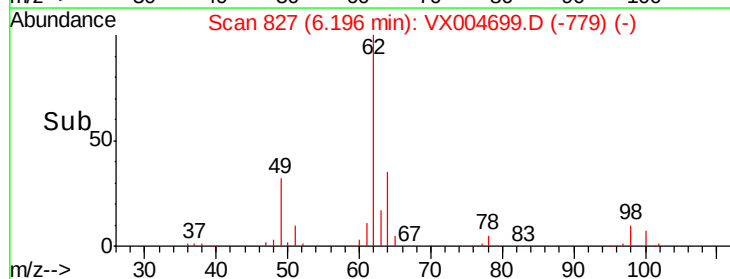
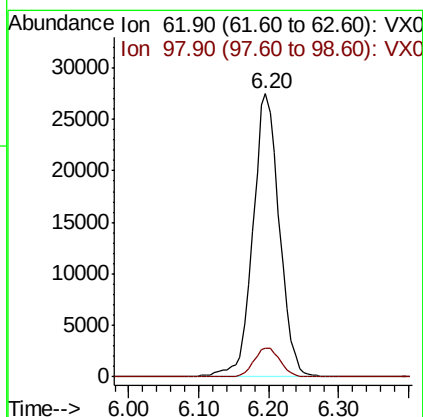
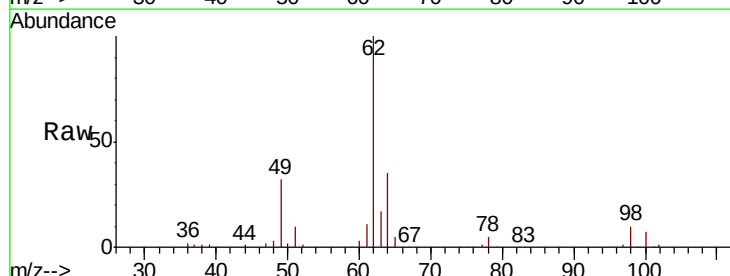
RT: 6.20 min Scan# 827

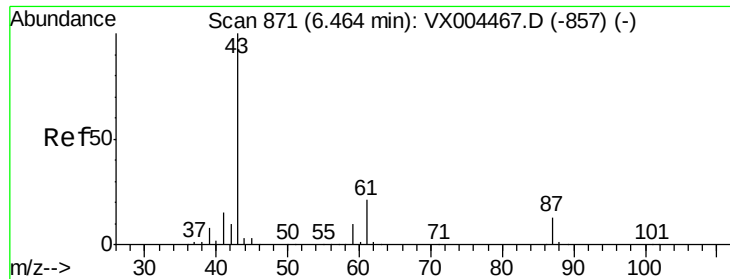
Delta R.T. -0.01 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.6	





#43

Isopropyl Acetate

Concen: 20.35 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

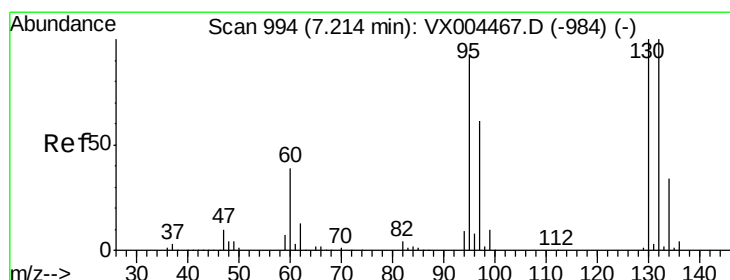
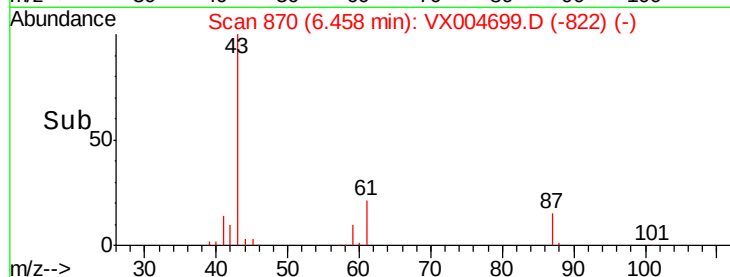
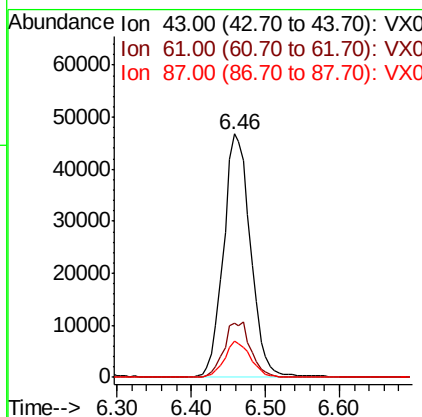
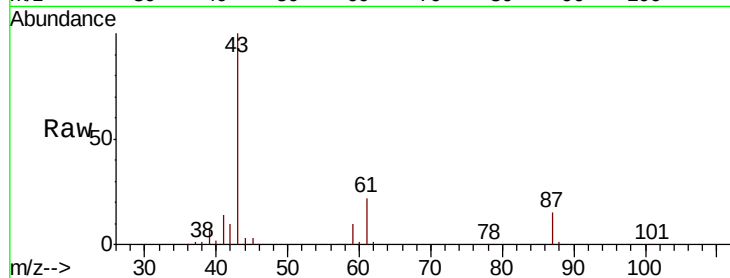
ClientSampleId :

VX0919MBS01

Tot Ion:	43	Resp:	118443
Ion	Ratio	Lower	Upper
43	100		
61	22.6	17.0	25.4
87	14.3	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 21.75 ug/l

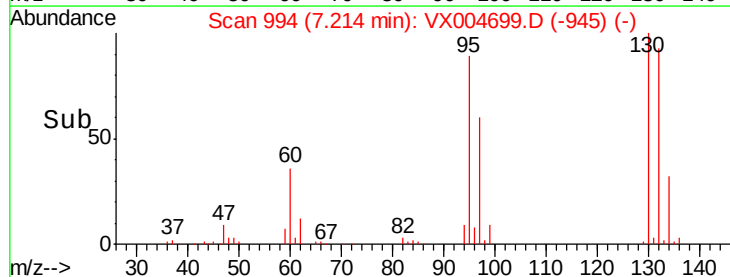
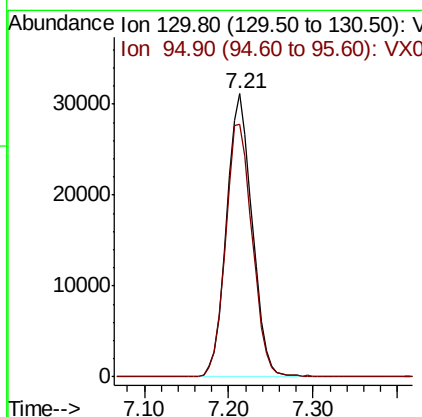
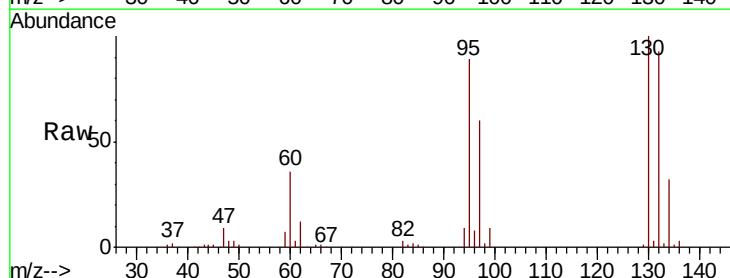
RT: 7.21 min Scan# 994

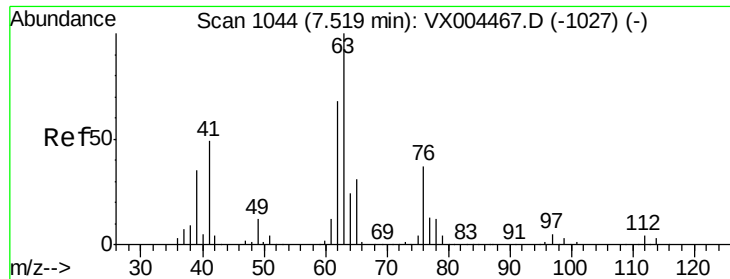
Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Tgt Ion:	130	Resp:	64617
Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	181.6





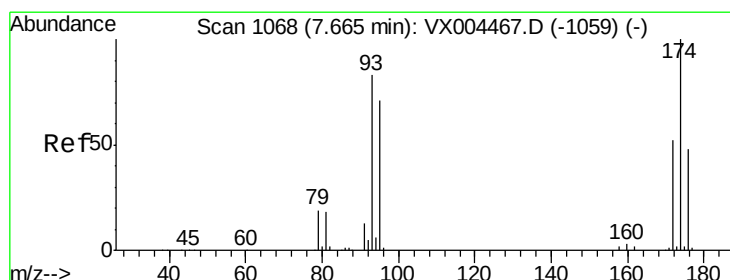
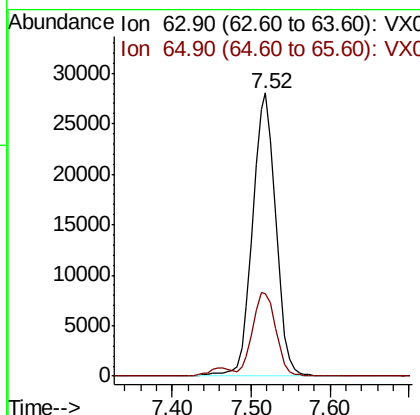
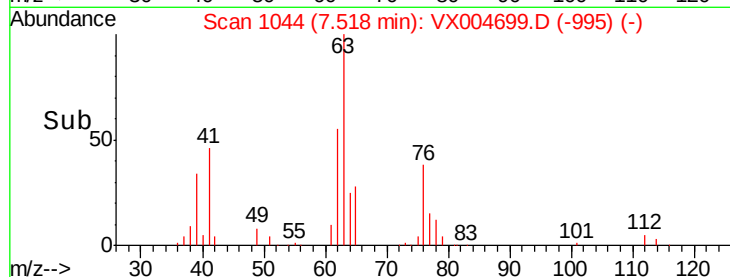
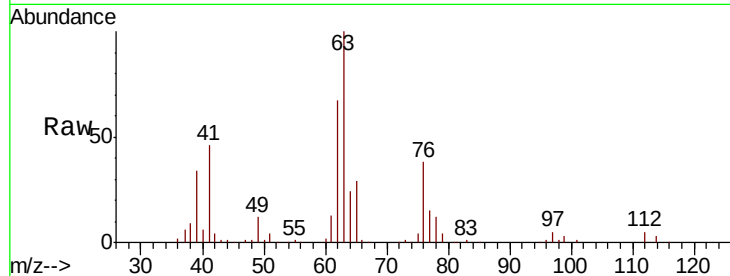
#45
 1,2-Dichloropropane
 Concen: 20.91 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.3	36.5

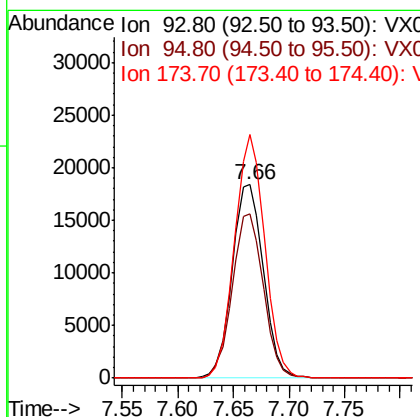
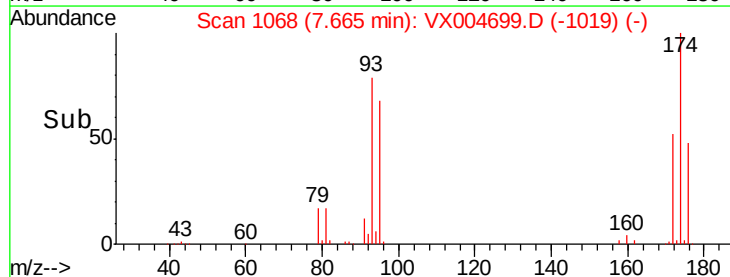
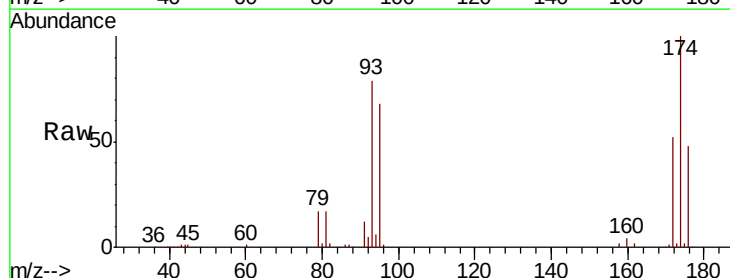
Manual Integrations
 APPROVED

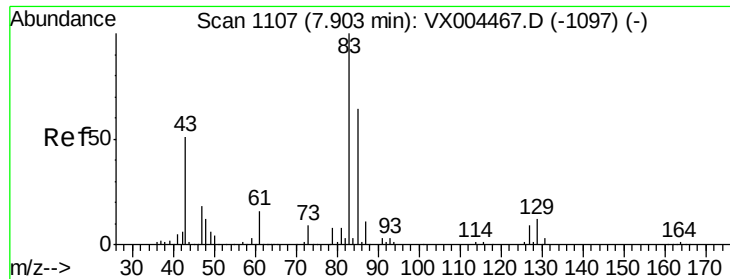
MMDadoda
 9/20/2018 1:42:35 PM



#46
 Dibromomethane
 Concen: 20.62 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	65.5	98.3
174	121.5	94.2	141.4





#47

Bromodichloromethane

Concen: 20.55 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

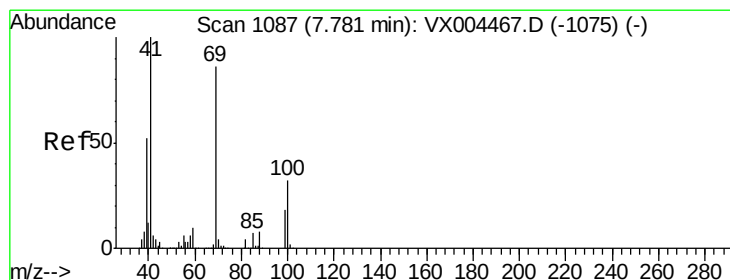
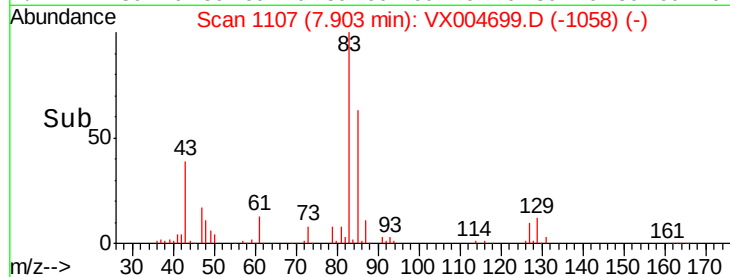
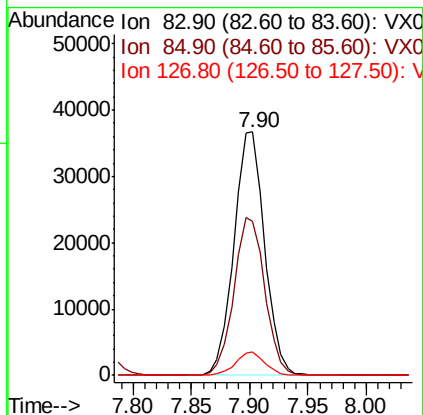
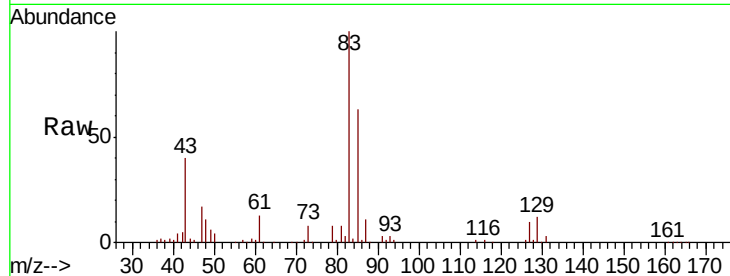
ClientSampleId :

VX0919MBS01

Tot Ion:	83	Resp:	67538
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.9	76.3
127	9.6	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.58 ug/l

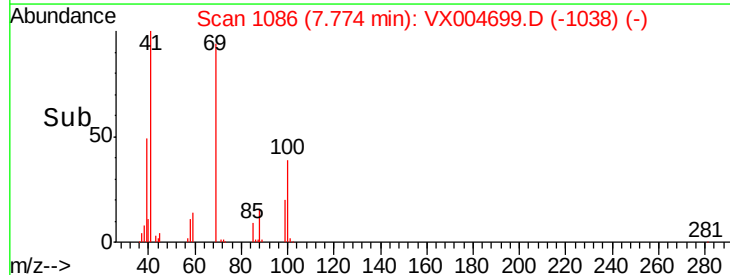
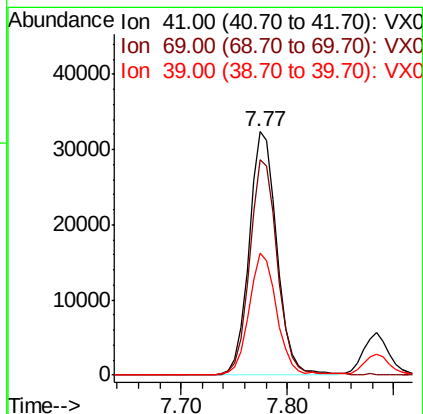
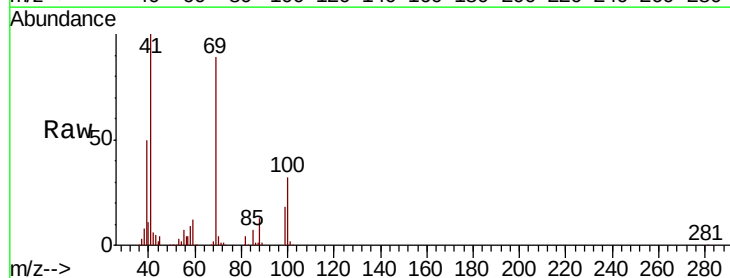
RT: 7.77 min Scan# 1086

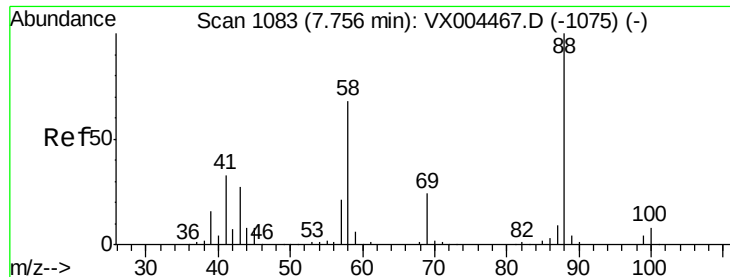
Delta R.T. -0.01 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Tgt Ion:	41	Resp:	59284
Ion Ratio	Lower	Upper	
41	100		
69	88.2	70.2	105.4
39	49.8	42.7	64.1





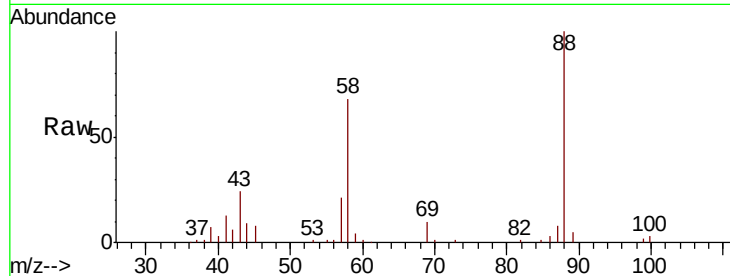
#49
1,4-Dioxane
Concen: 441.39 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	24.7	37.1
58	70.5	55.3	82.9

Manual Integrations
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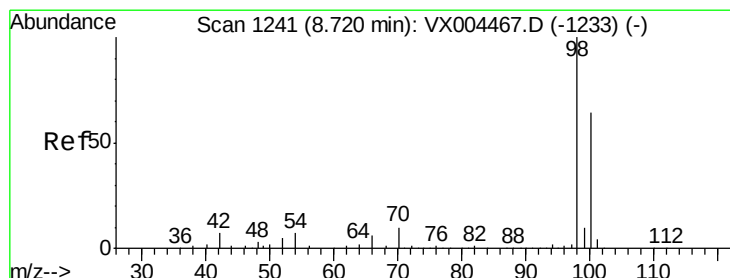
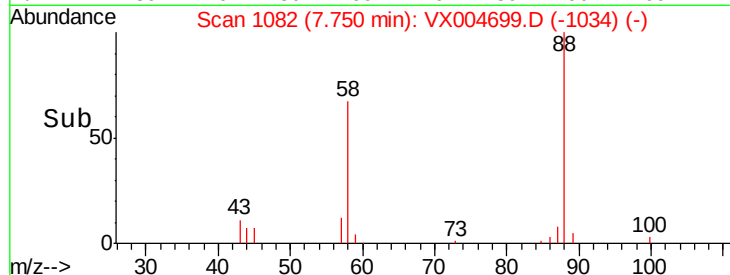
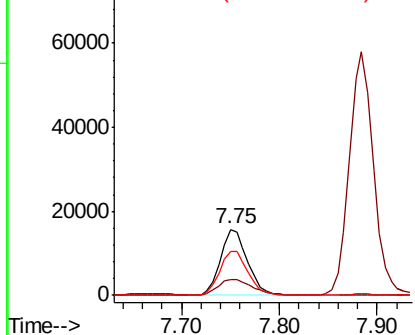


Abundance

Ion 88.00 (87.70 to 88.70): VX0

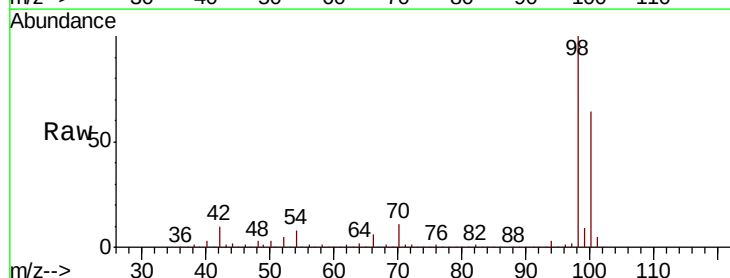
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 45.02 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

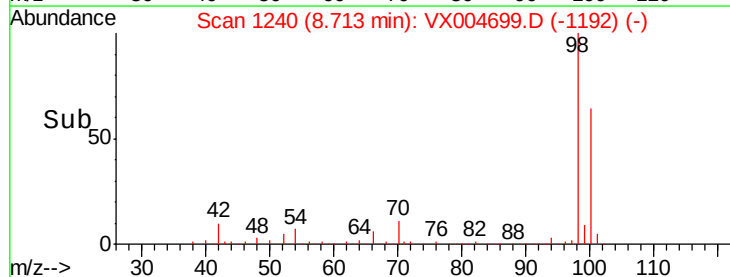
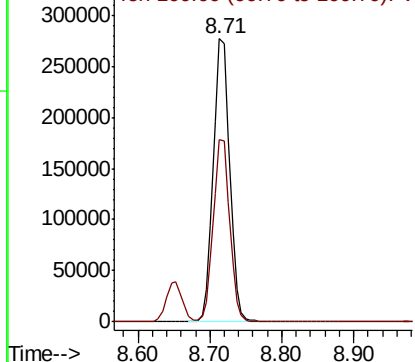
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.9	79.3

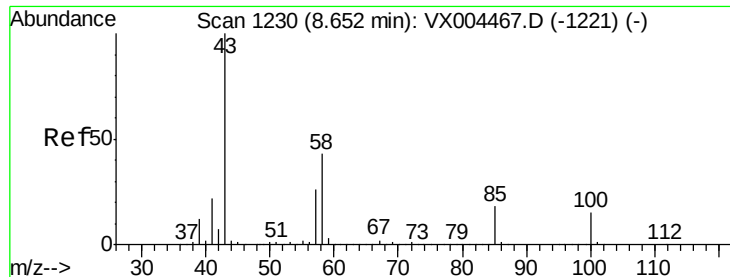


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





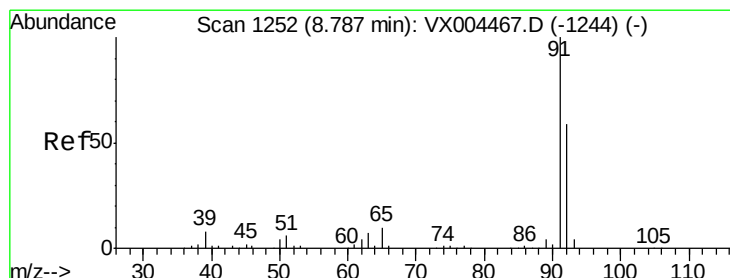
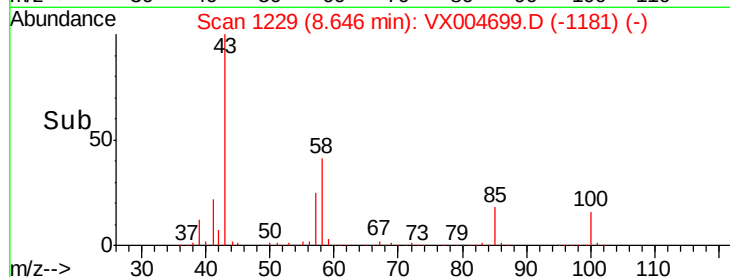
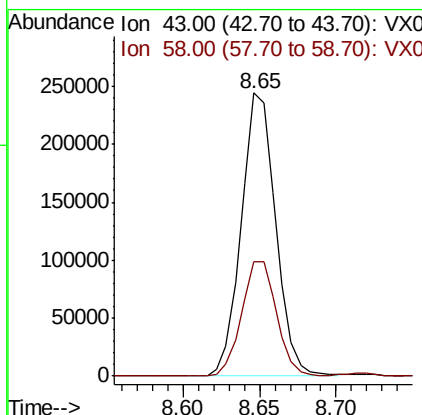
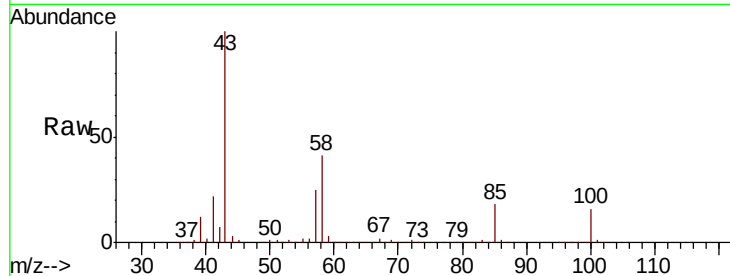
#51
 4-Methyl-2-Pentanone
 Concen: 92.92 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.1	33.1	49.7

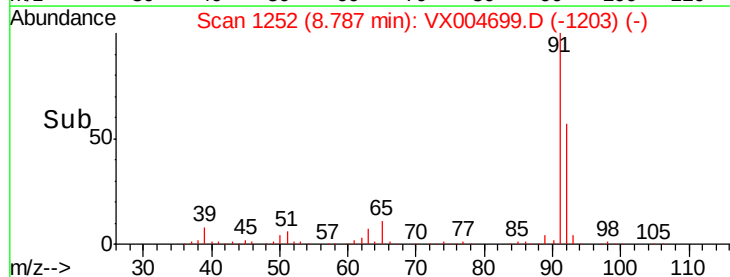
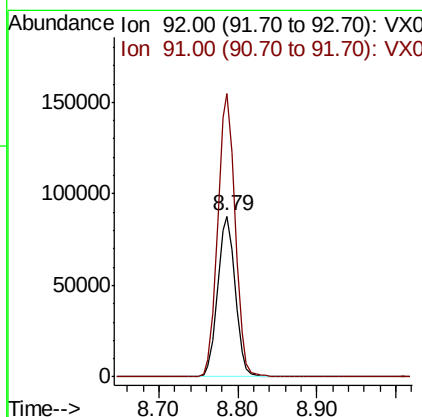
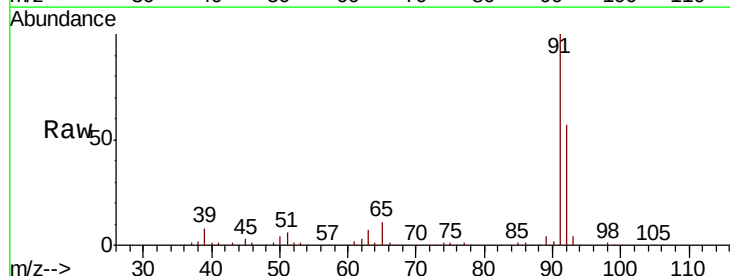
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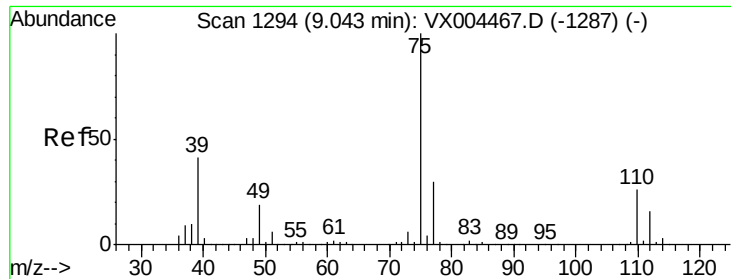
MMDadoda
 9/20/2018 1:42:35 PM



#52
 Toluene
 Concen: 20.30 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.0	136.4	204.6





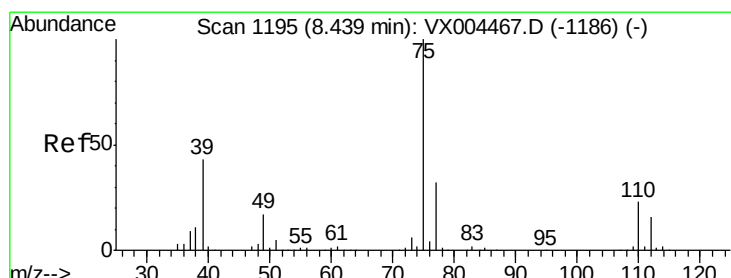
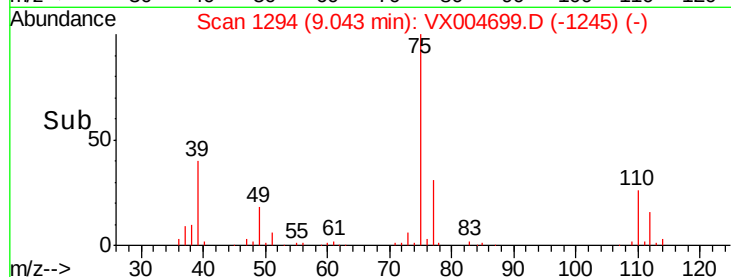
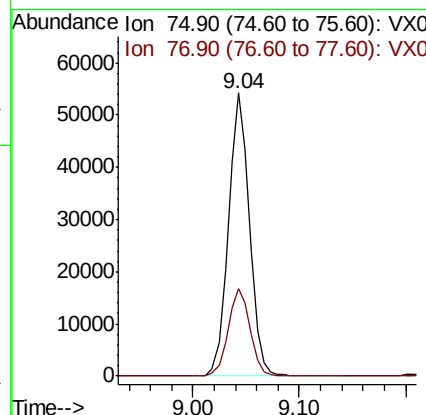
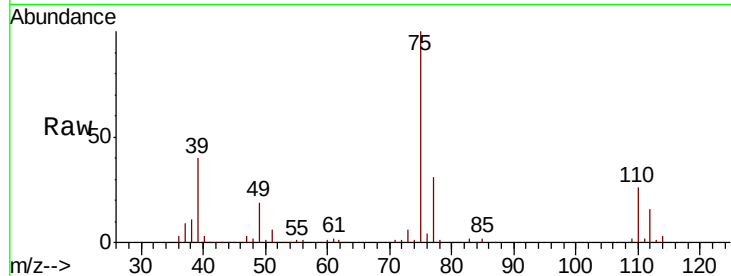
#53
 t-1,3-Dichloropropene
 Concen: 19.51 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion: 75 Resp: 74930
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.6 37.0

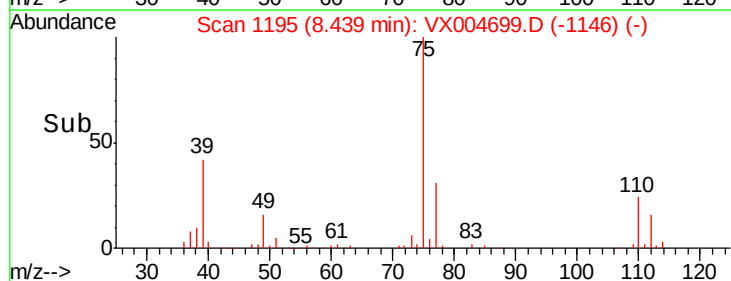
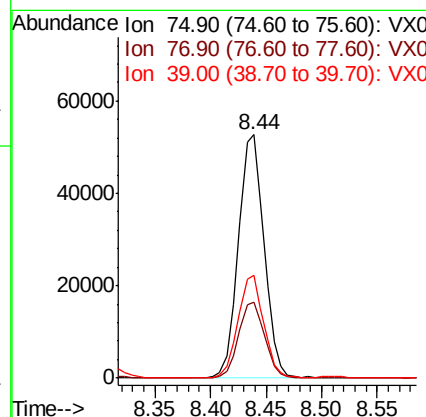
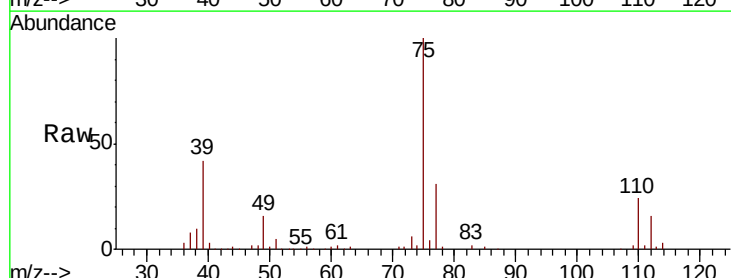
Manual Integrations
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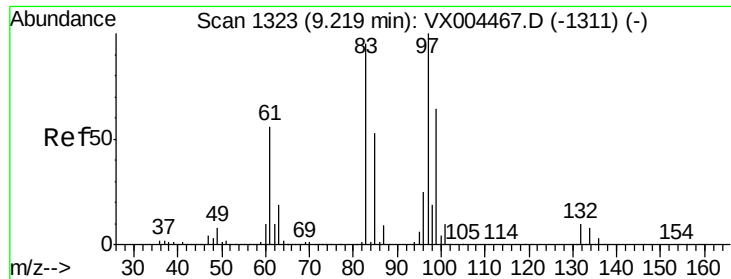
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 9/20/2018 1:42:35 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.52 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion: 75 Resp: 84214
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.2 39.2
 39 42.3 36.4 54.6





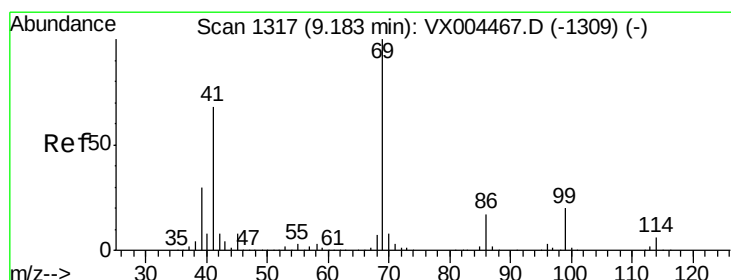
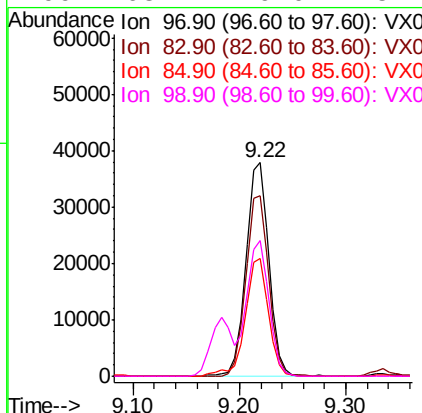
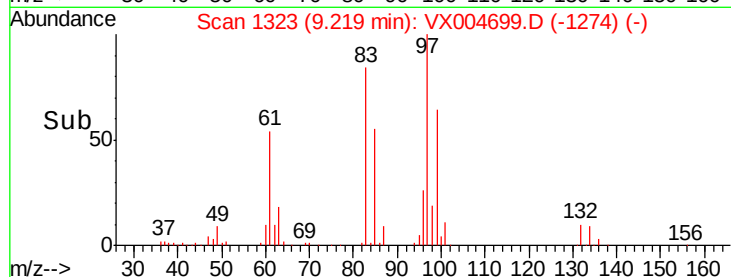
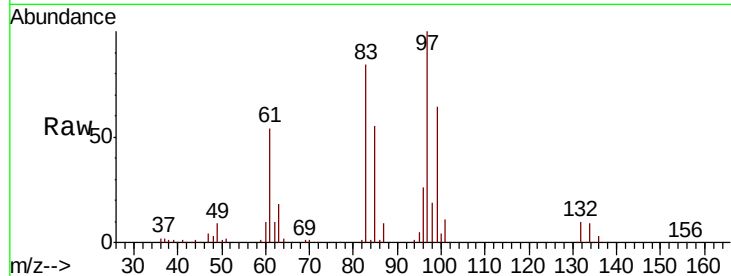
#55
 1,1,2-Trichloroethane
 Concen: 19.68 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		57097		
83	84.4	66.4	99.6		
85	55.2	43.3	64.9		
99	63.7	49.0	73.4		

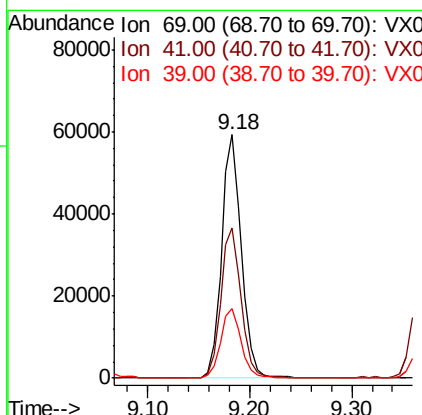
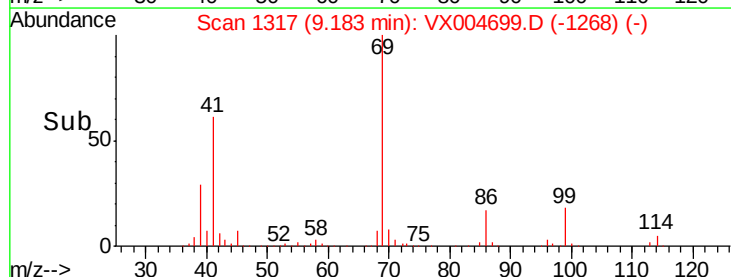
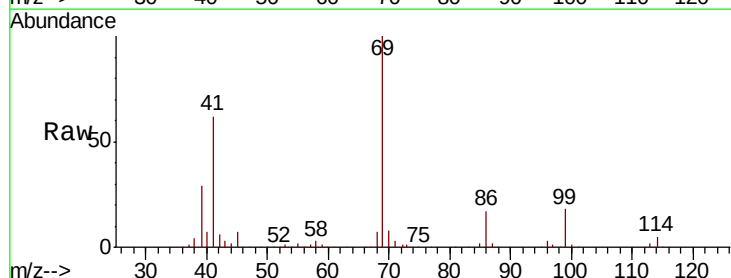
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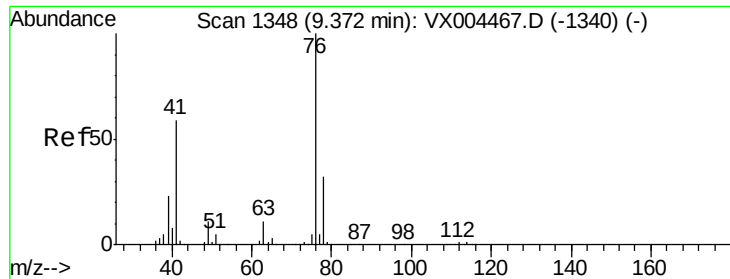
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#56
 Ethyl methacrylate
 Concen: 19.48 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		79933		
41	63.8	51.0	76.4		
39	29.6	26.1	39.1		





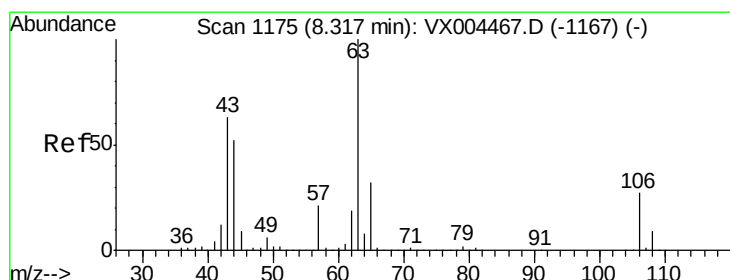
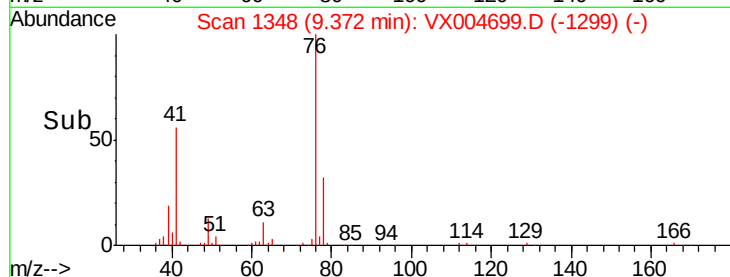
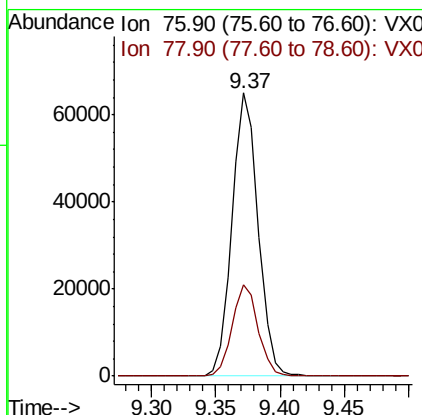
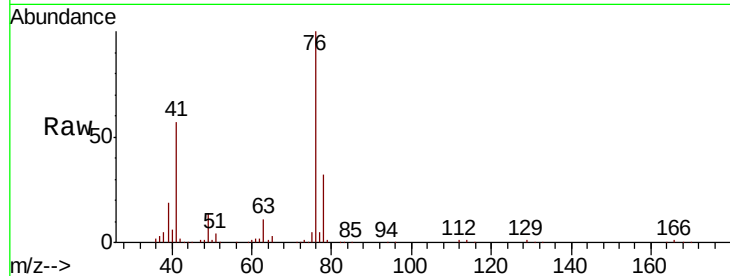
#57
 1,3-Dichloropropane
 Concen: 19.55 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion: 76 Resp: 92124
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.5 38.3

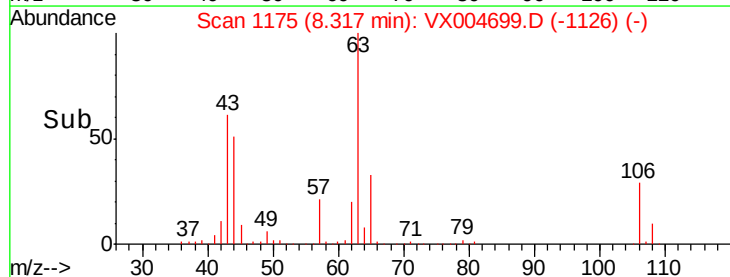
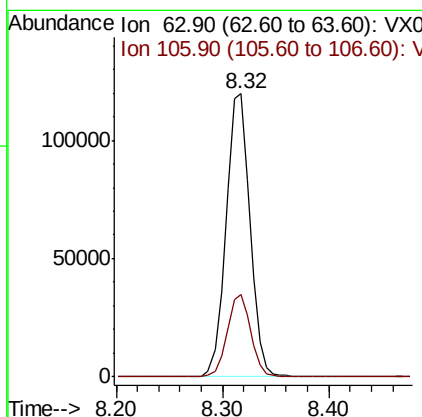
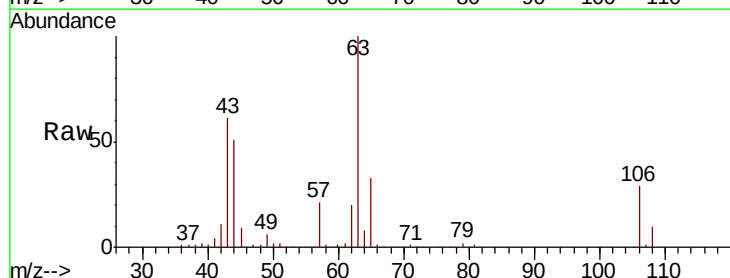
Manual Integrations
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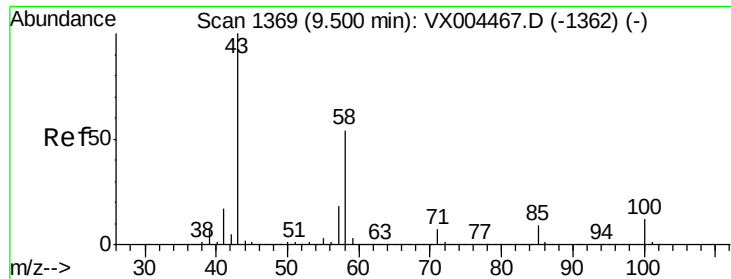
MMDadoda
 9/20/2018 1:42:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.07 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion: 63 Resp: 189049
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.9 35.9





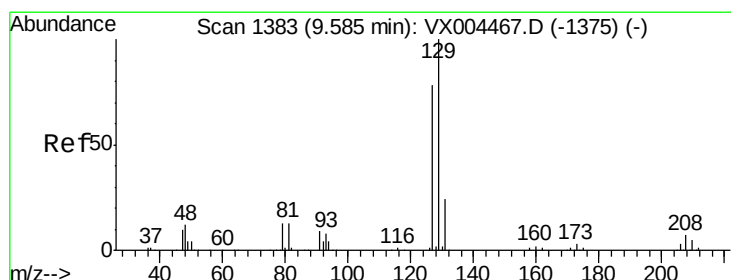
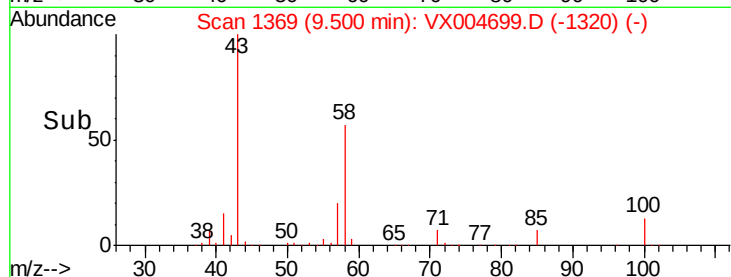
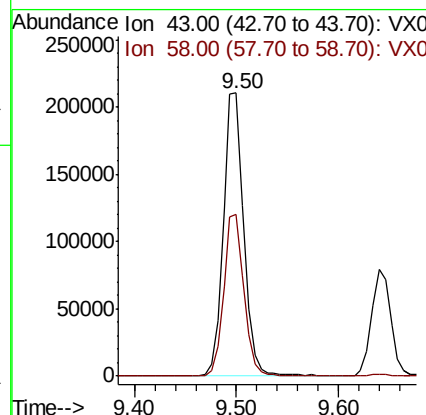
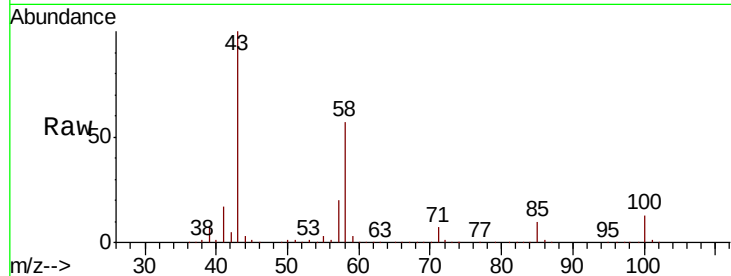
#59
2-Hexanone
Concen: 93.52 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion: 43 Resp: 294705
Ion Ratio Lower Upper
43 100
58 56.9 29.0 87.0

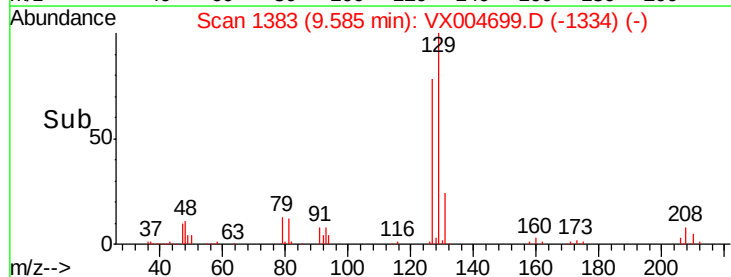
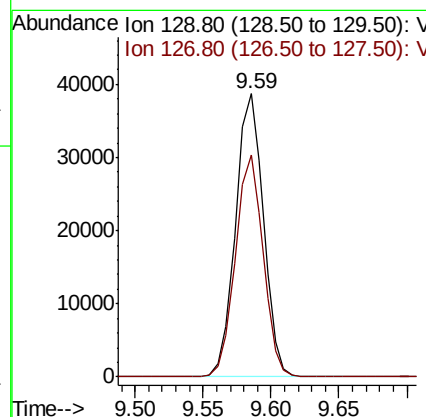
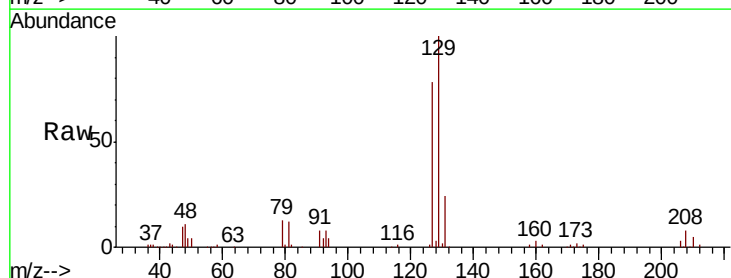
Manual Integrations
APPROVED

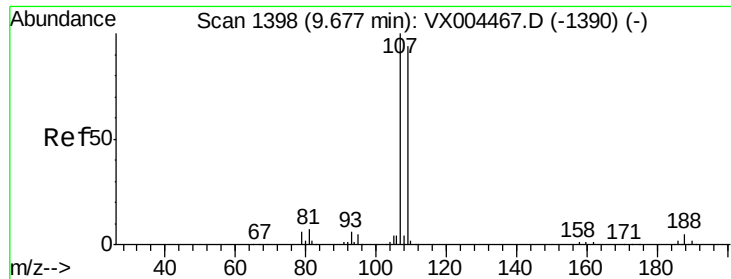
MMDadoda
9/20/2018 1:42:35 PM



#60
Dibromochloromethane
Concen: 20.25 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion: 129 Resp: 55307
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





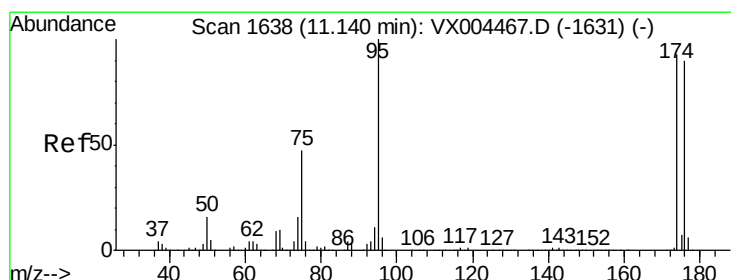
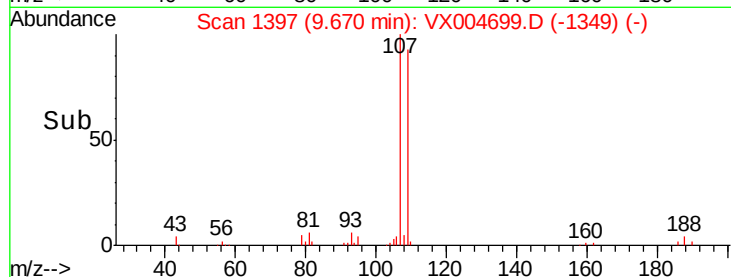
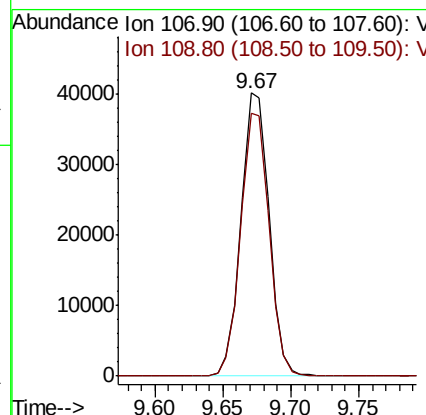
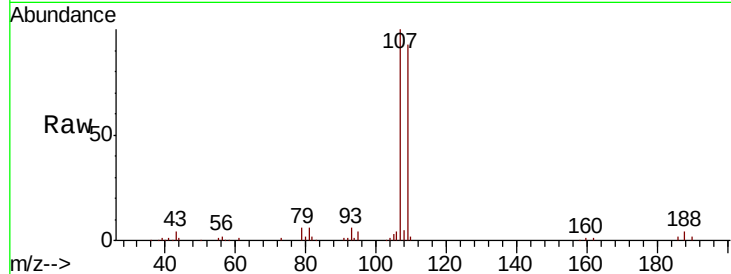
#61
 1,2-Dibromoethane
 Concen: 20.91 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.0	114.0

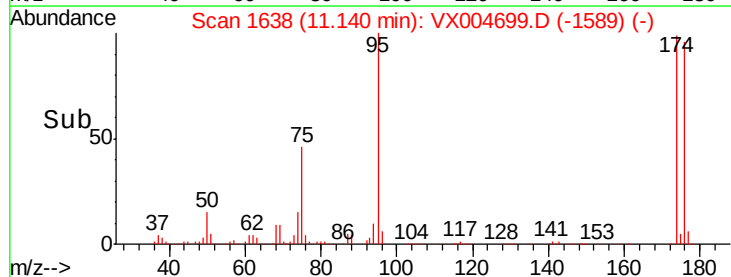
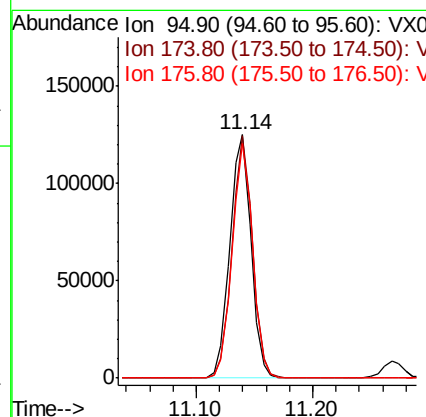
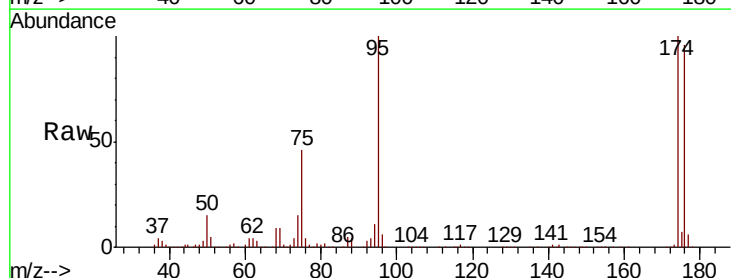
Manual Integrations
 APPROVED

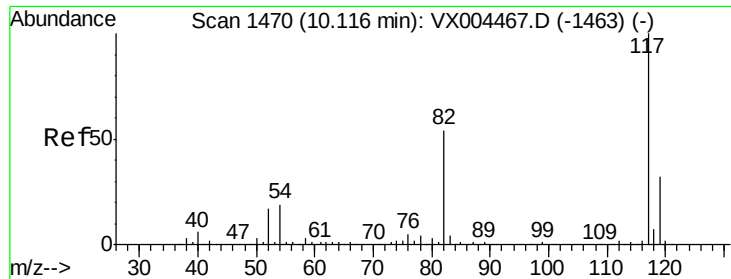
MMDadoda
 9/20/2018 1:42:35 PM



#62
 4-Bromofluorobenzene
 Concen: 45.35 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.0	0.0	185.2
176	93.6	0.0	178.6





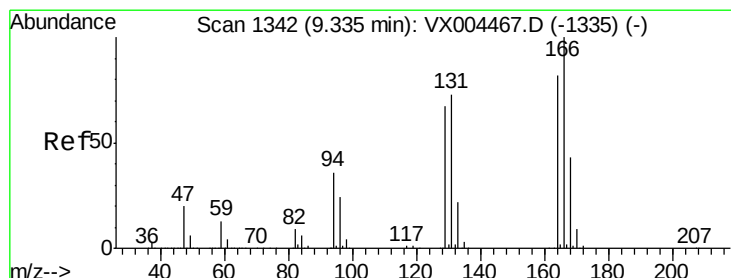
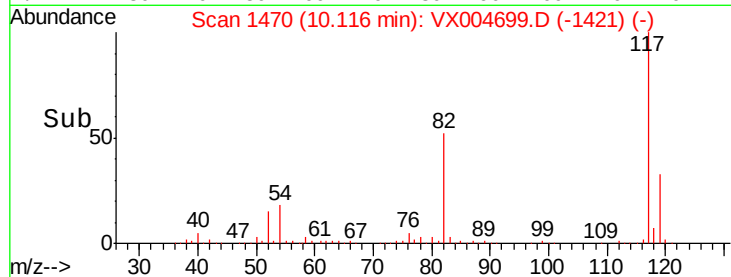
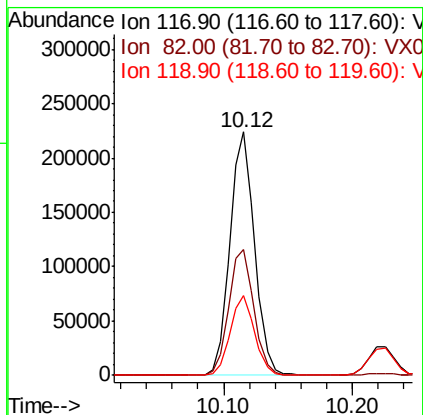
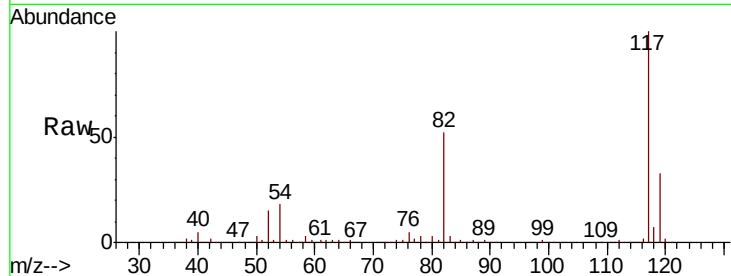
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	47.8	71.6
119	32.5	29.3	43.9

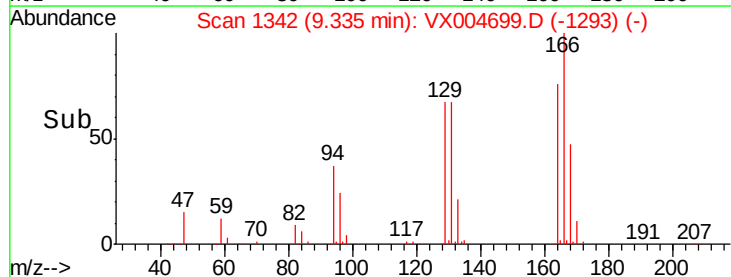
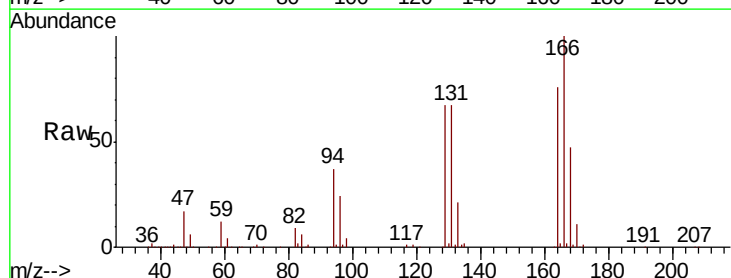
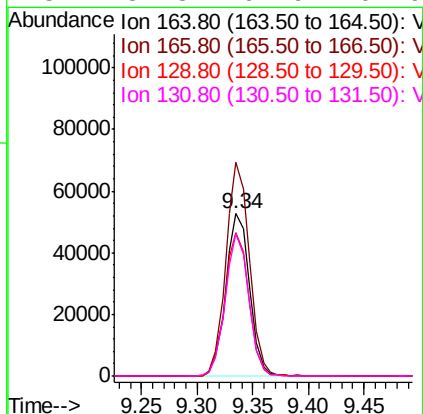
Manual Integrations
APPROVED

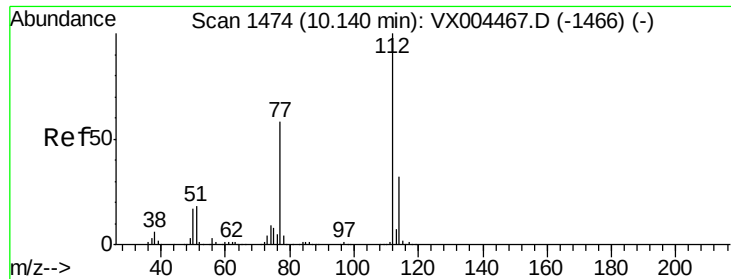
MMDadoda
9/20/2018 1:42:35 PM



#64
Tetrachloroethene
Concen: 20.70 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.5	102.8	154.2
129	88.5	69.4	104.0
131	87.8	67.9	101.9





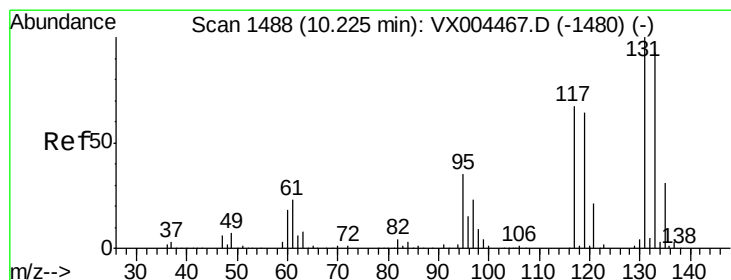
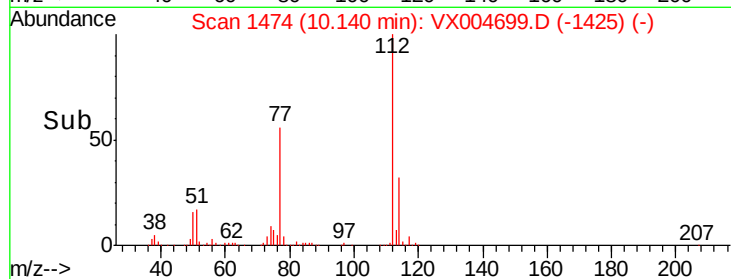
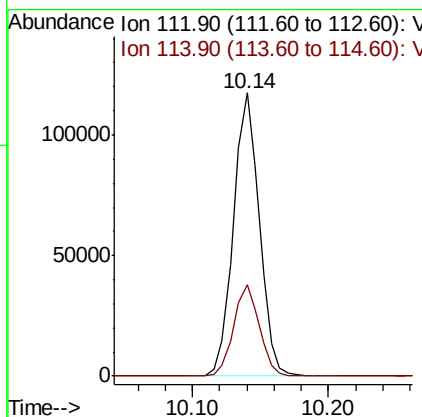
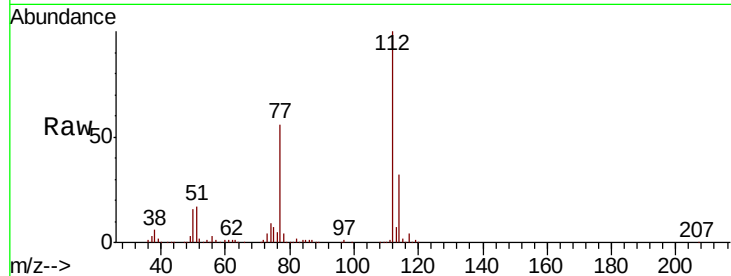
#65
Chlorobenzene
Concen: 20.83 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	27.8	41.8

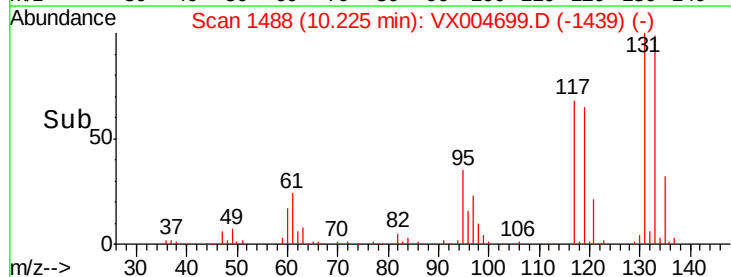
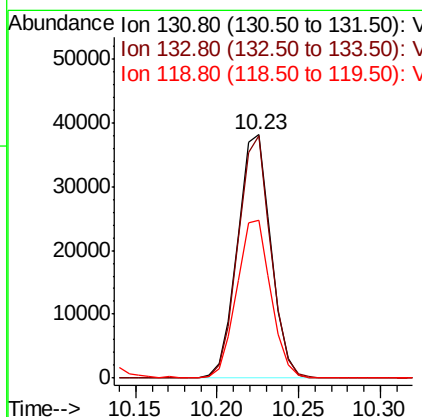
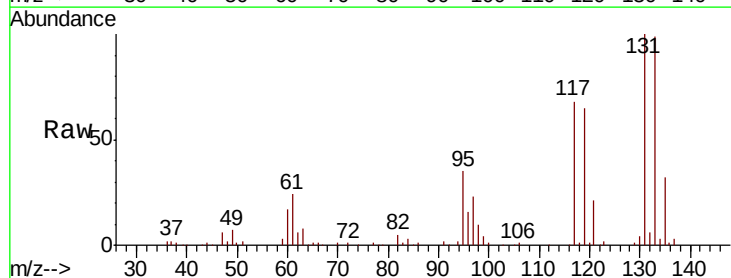
Manual Integrations
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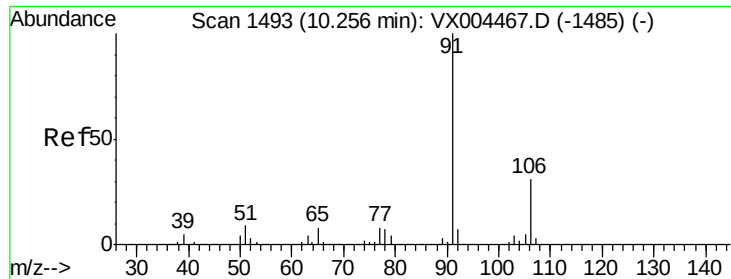
MMDadoda
9/20/2018 1:42:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.11 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	48.1	144.4
119	66.2	32.9	98.6





#67

Ethyl Benzene

Concen: 20.95 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampled :

VX0919MBS01

Tot Ion: 91 Resp: 254102

Ion Ratio Lower Upper

91 100

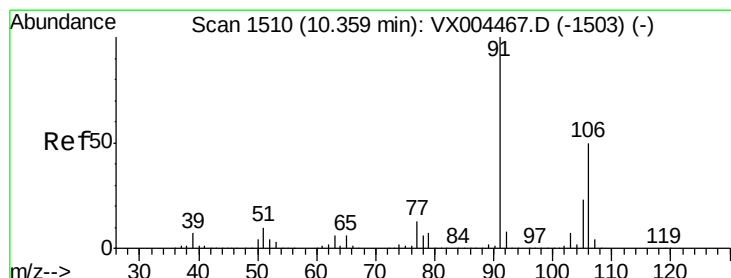
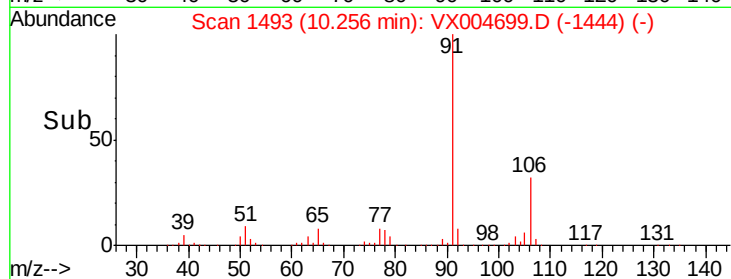
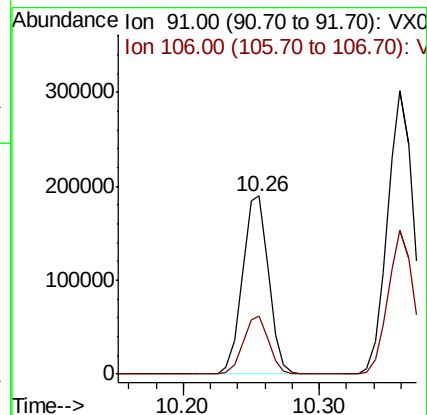
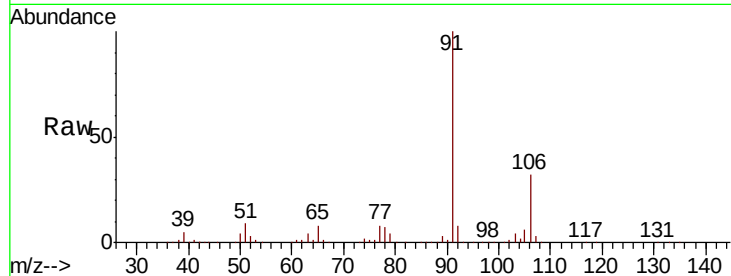
106 32.3 25.9 38.9

Manual Integrations

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9/20/2018 1:42:35 PM



#68

m/p-Xylenes

Concen: 43.10 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004699.D

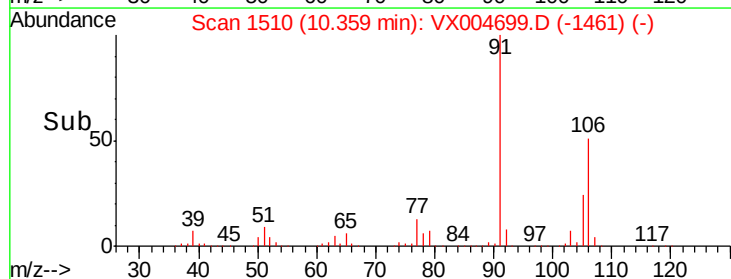
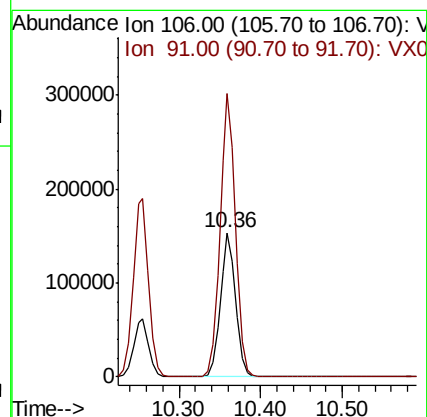
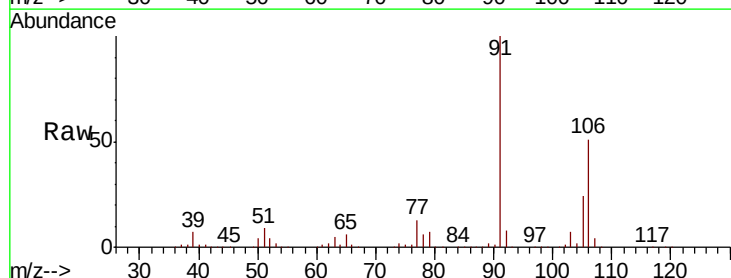
Acq: 19 Sep 2018 12:19

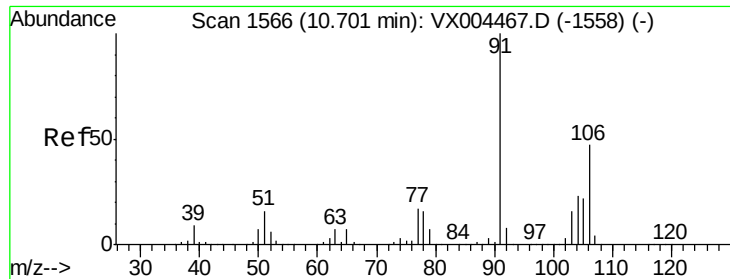
Tgt Ion: 106 Resp: 201328

Ion Ratio Lower Upper

106 100

91 199.2 157.1 235.7





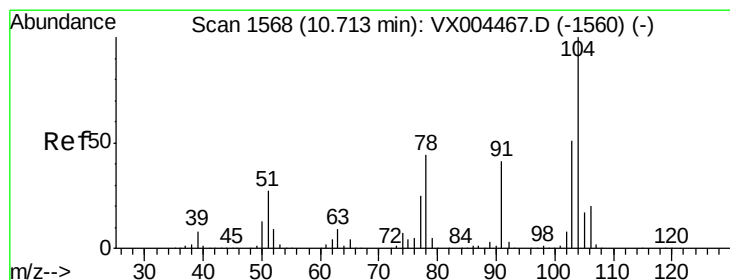
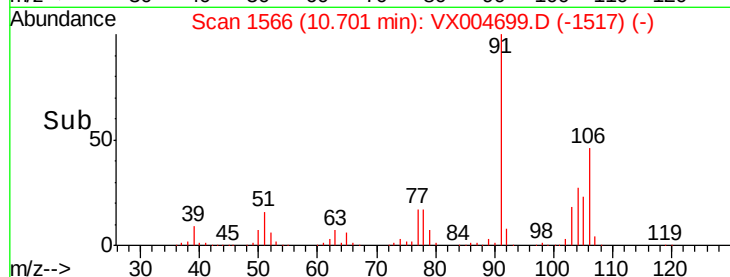
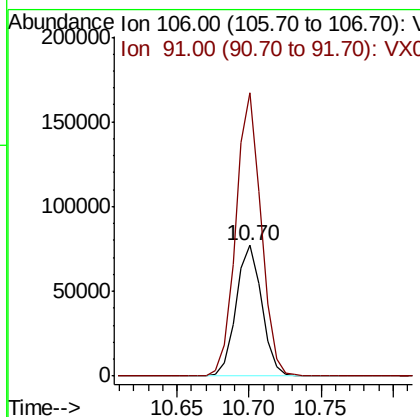
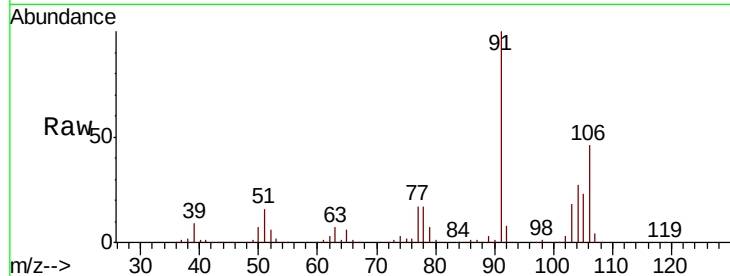
#69
o-Xylene
Concen: 21.47 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.3	105.1	315.1

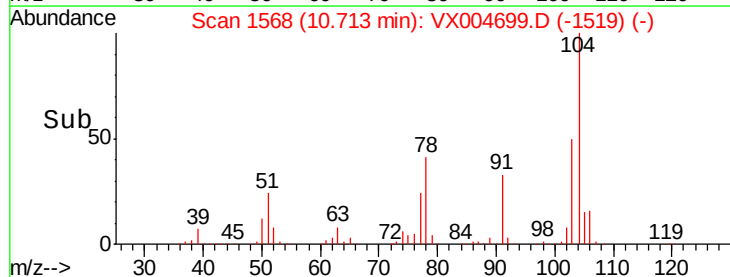
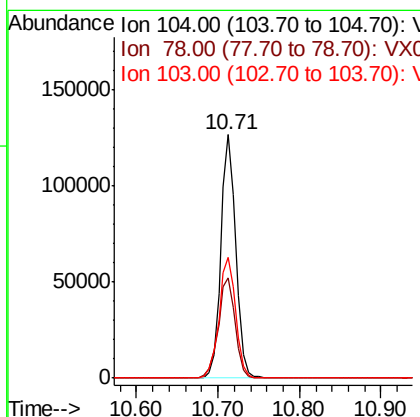
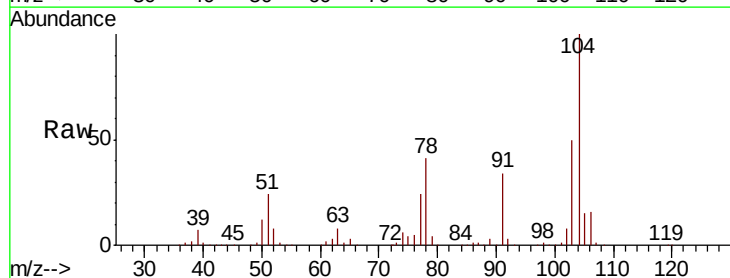
Manual Integrations
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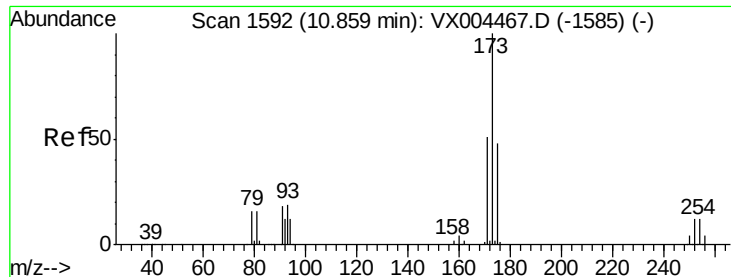
MMDadoda
9/20/2018 1:42:35 PM



#70
Styrene
Concen: 21.88 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.4	56.0
103	55.2	43.8	65.6





#71

Bromoform

Concen: 20.70 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

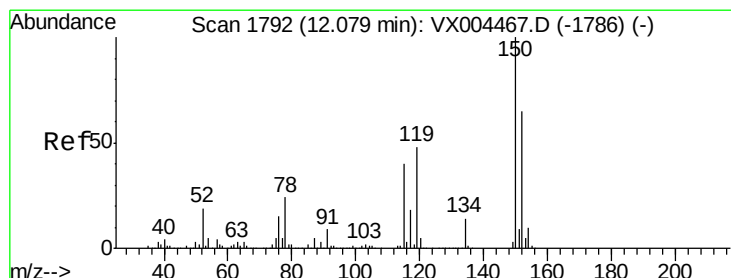
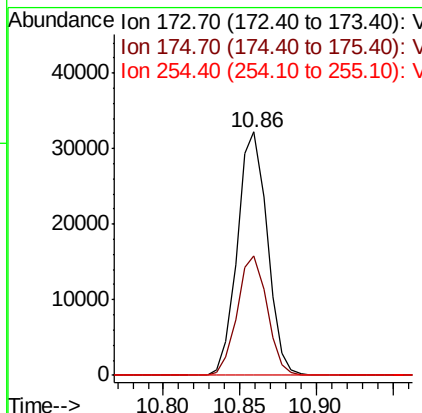
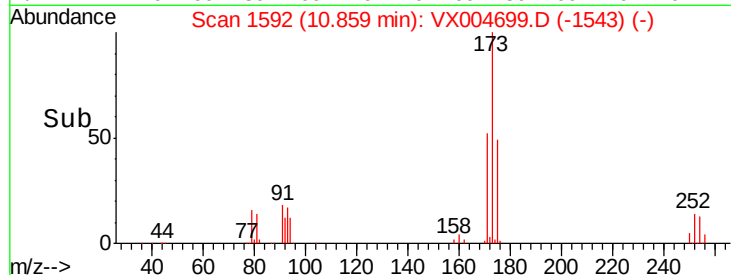
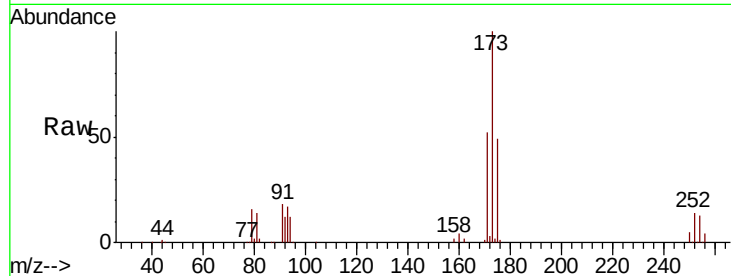
ClientSampleId :

VX0919MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.3
254	0.1	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

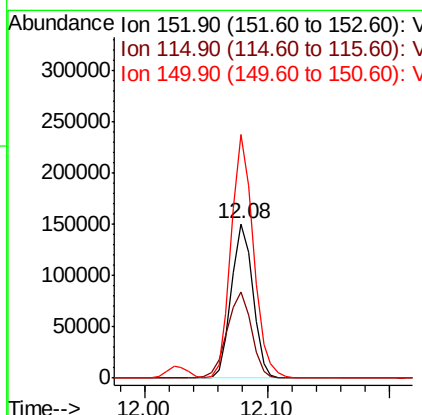
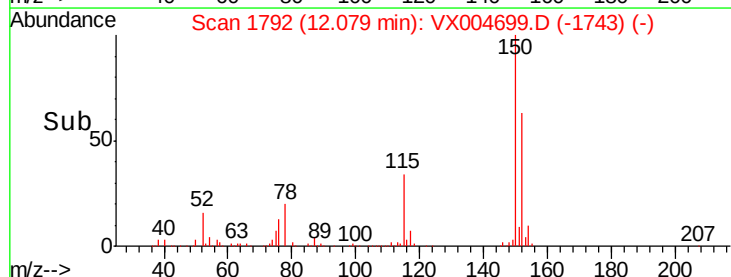
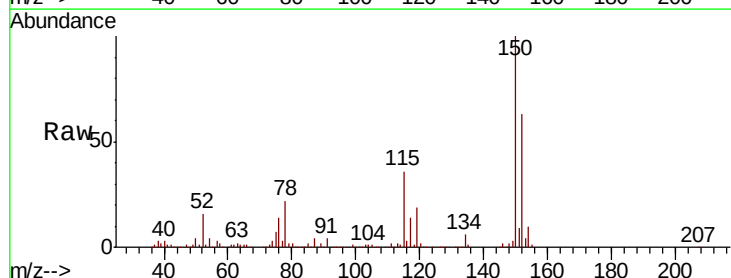
RT: 12.08 min Scan# 1792

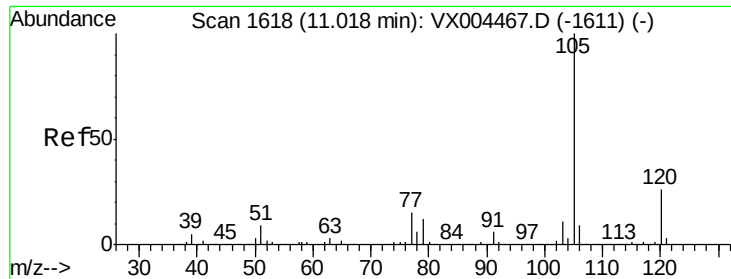
Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	39.0	117.0
150	163.7	0.0	351.0





#73

Isopropylbenzene

Concen: 22.24 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 105 Resp: 266457

Ion Ratio Lower Upper

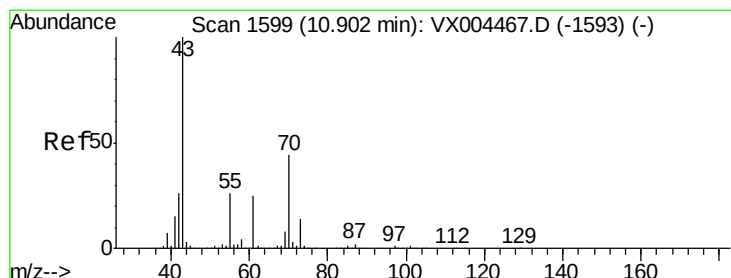
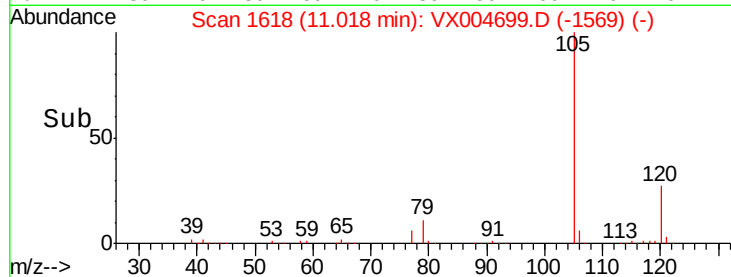
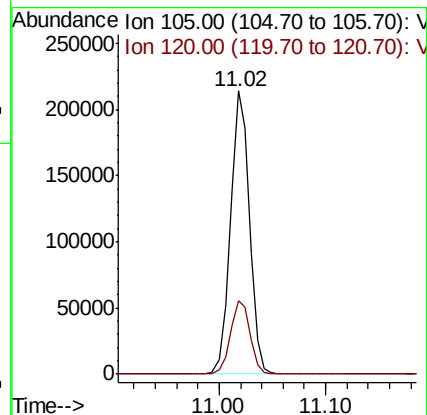
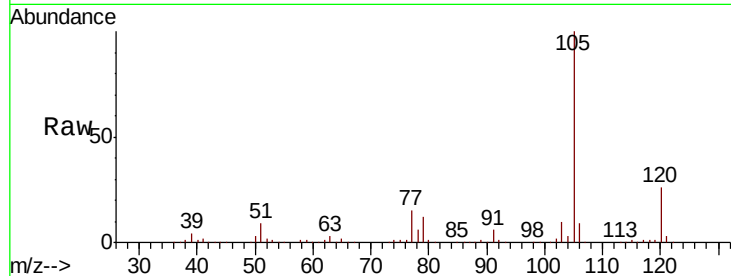
105 100

120 26.8 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.24 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Tgt Ion: 43 Resp: 102071

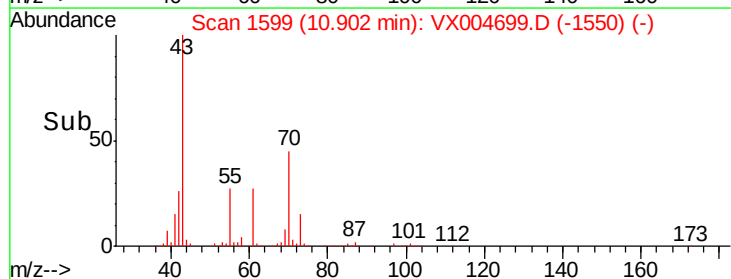
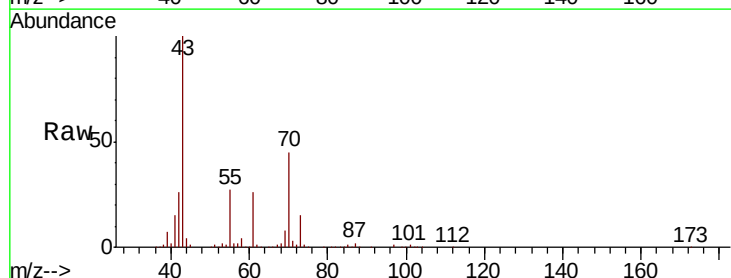
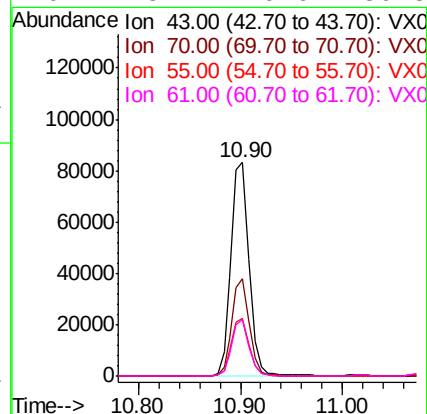
Ion Ratio Lower Upper

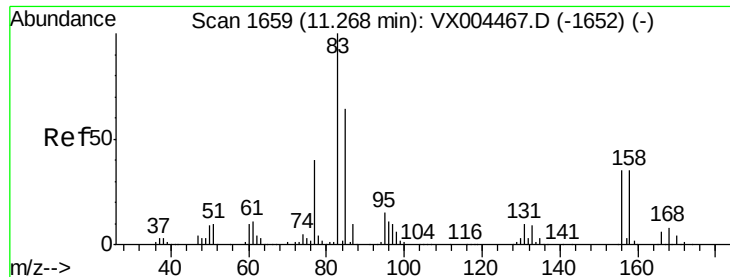
43 100

70 44.0 37.4 56.0

55 27.2 21.8 32.8

61 25.1 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.11 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

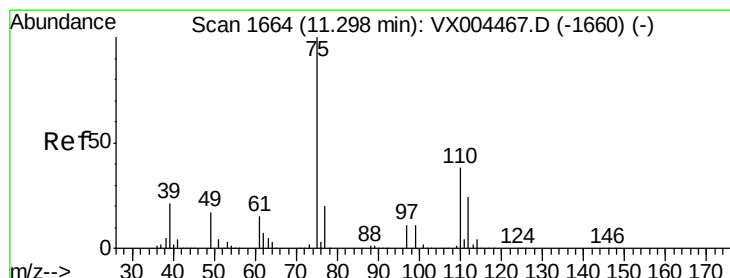
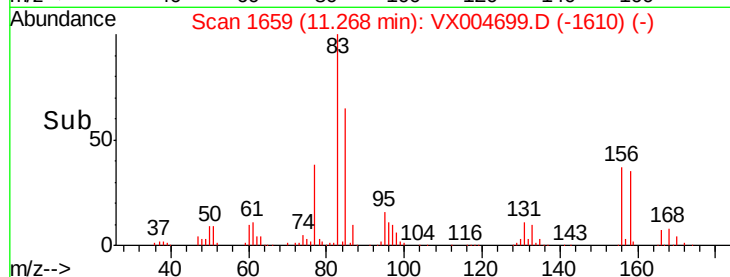
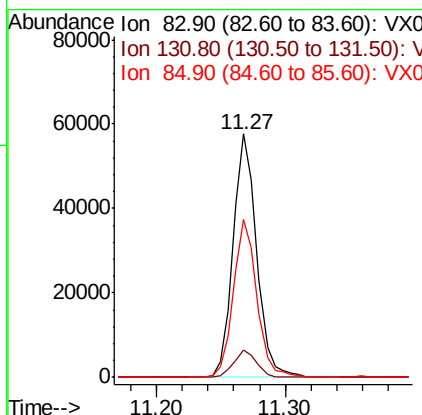
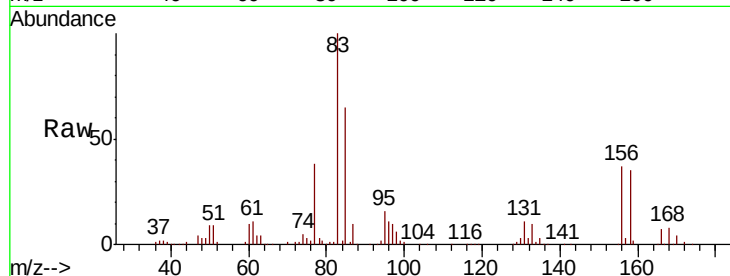
ClientSampleId :

VX0919MBS01

Tot Ion:	83	Resp:	73847
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.2	15.6
85	64.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.84 ug/l m

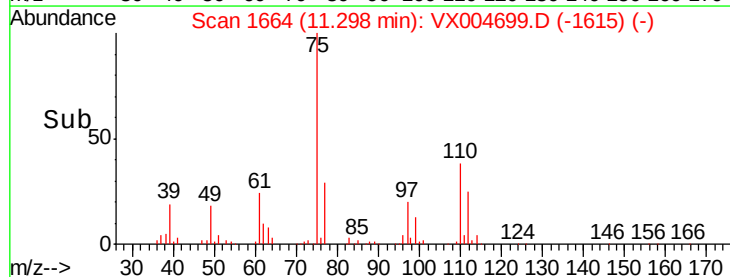
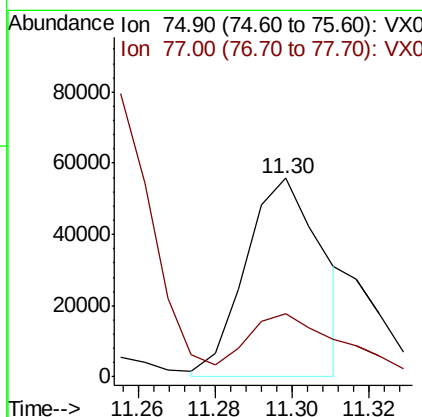
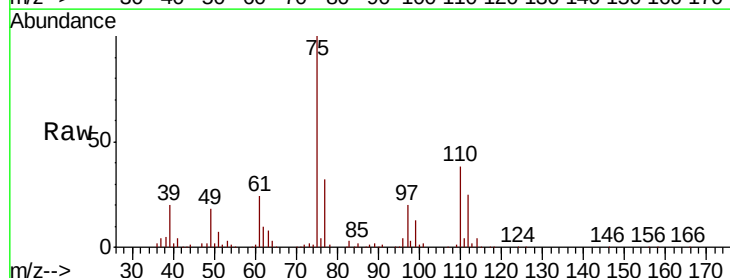
RT: 11.30 min Scan# 1664

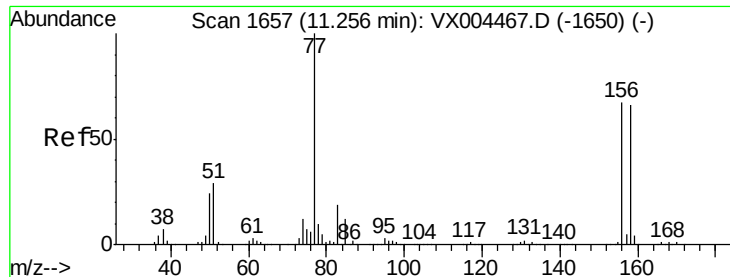
Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Tgt Ion:	75	Resp:	76266
Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.2	60.6





#77

Bromobenzene

Concen: 21.55 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 156 Resp: 71357

Ion Ratio Lower Upper

156 100

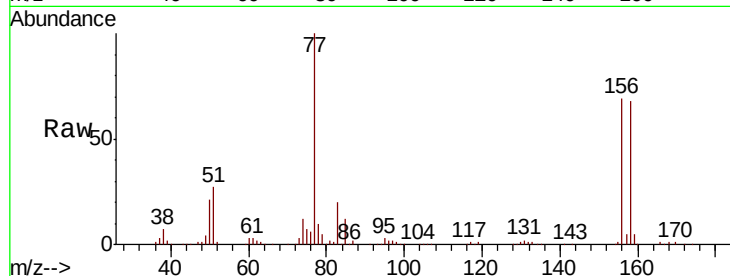
77 142.1 71.5 214.3

158 97.2 48.9 146.8

Manual Integrations
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MMDadoda

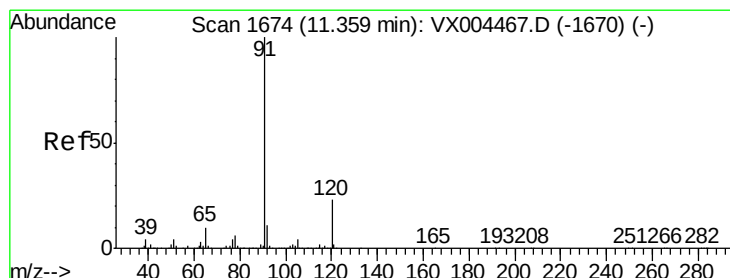
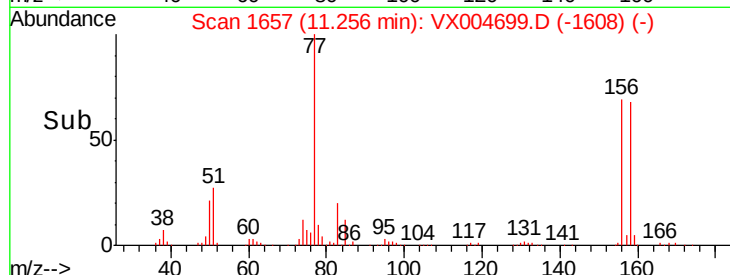
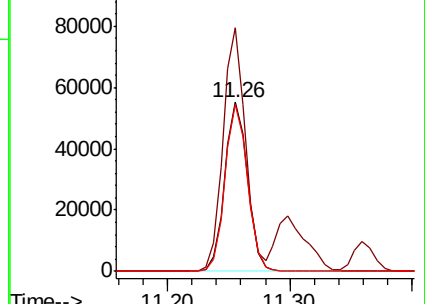
9/20/2018 1:42:35 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.66 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004699.D

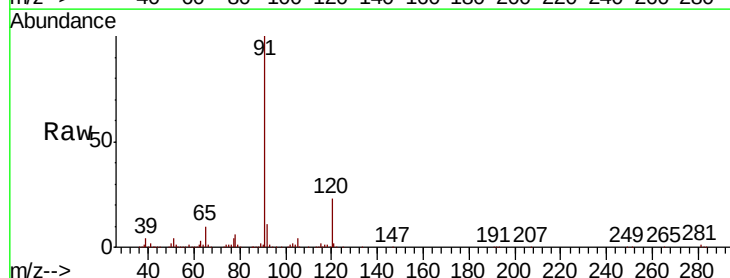
Acq: 19 Sep 2018 12:19

Tgt Ion: 91 Resp: 298379

Ion Ratio Lower Upper

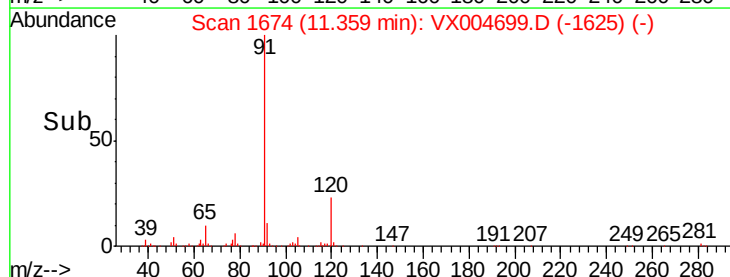
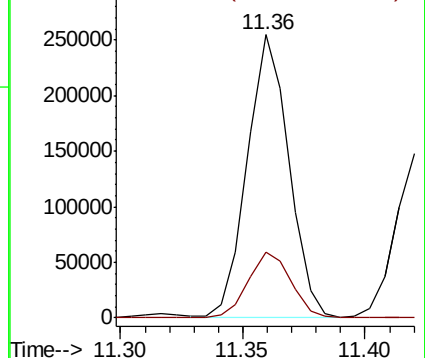
91 100

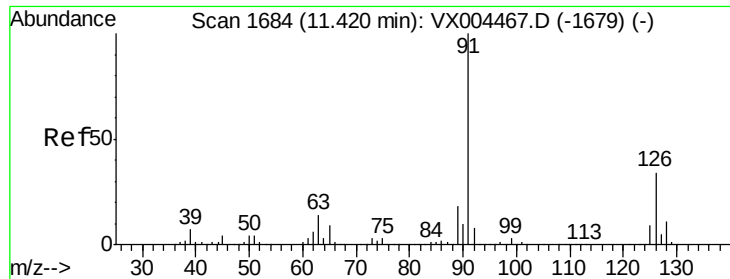
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.22 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion: 91 Resp: 177295

Ion Ratio Lower Upper

91 100

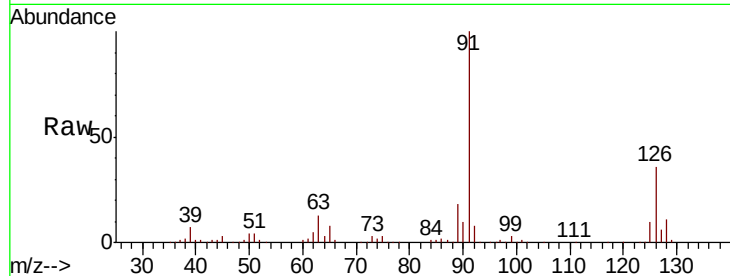
126 35.9 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)

300000

250000

200000

150000

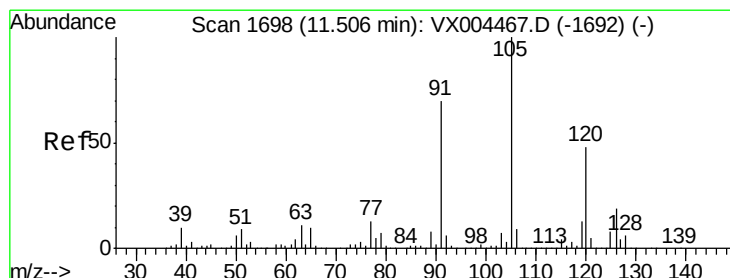
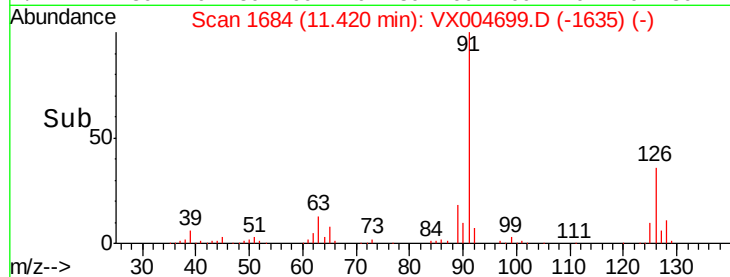
100000

50000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.12 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004699.D

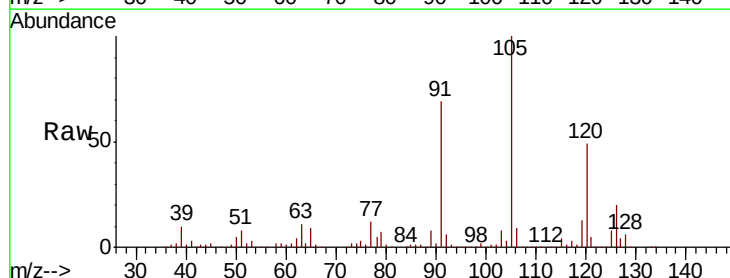
Acq: 19 Sep 2018 12:19

Tgt Ion:105 Resp: 222794

Ion Ratio Lower Upper

105 100

120 49.6 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)

200000

150000

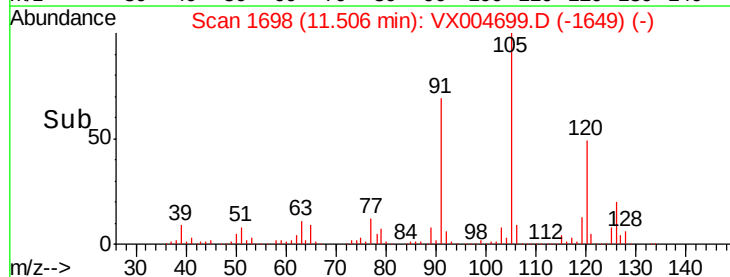
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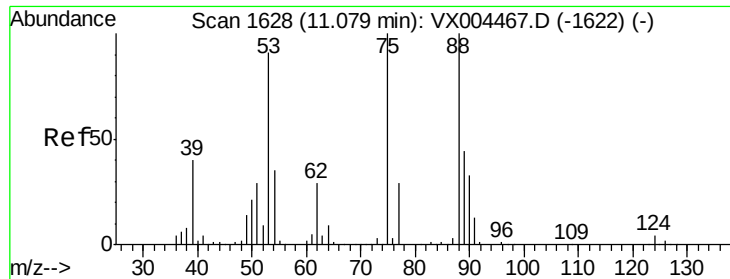
50000

0

11.50 11.60

Time-->





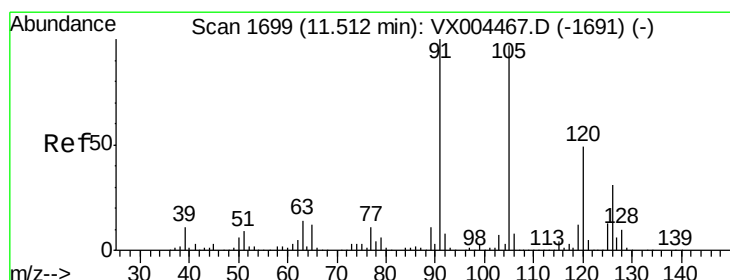
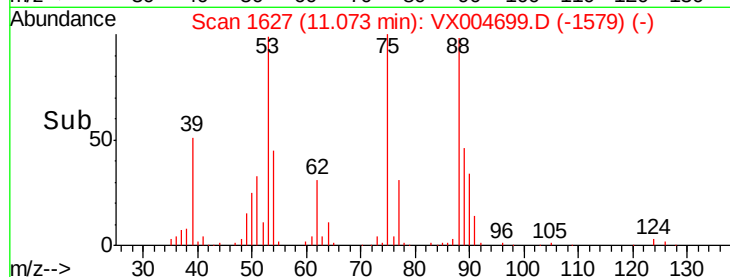
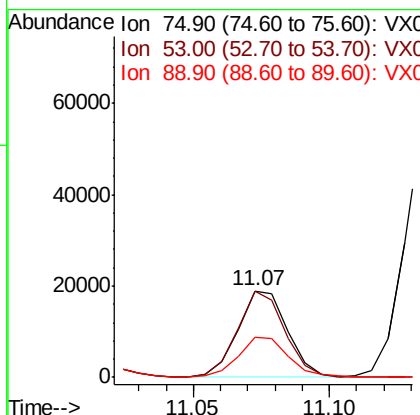
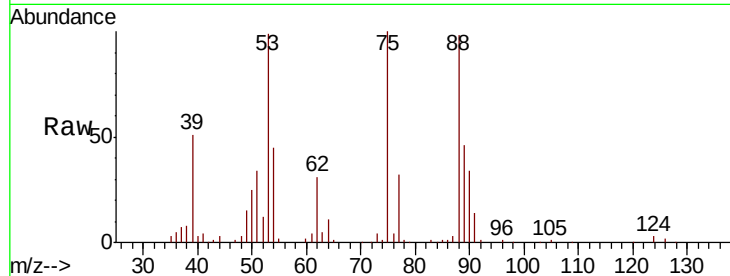
#81
trans-1,4-Dichloro-2-butene
Concen: 20.71 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.8	80.1	120.1
89	47.6	37.2	55.8

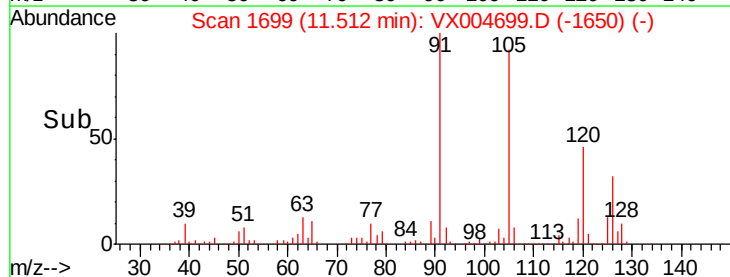
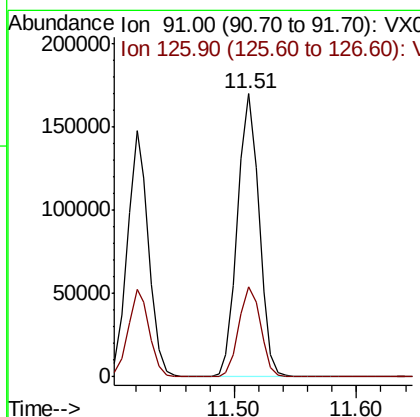
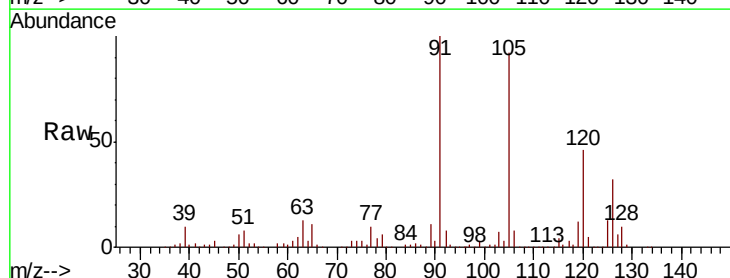
Manual Integrations
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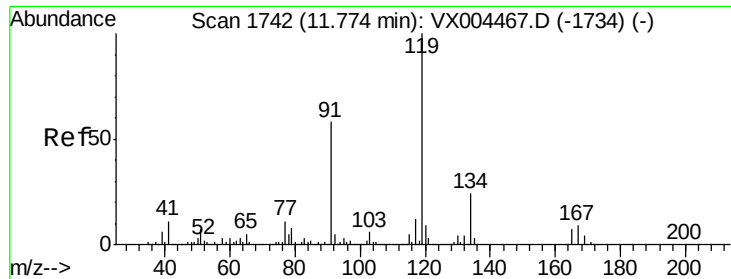
MMDadoda
9/20/2018 1:42:35 PM



#82
4-Chlorotoluene
Concen: 21.22 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.5	46.5





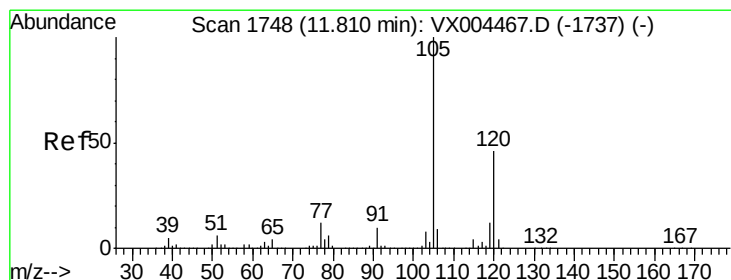
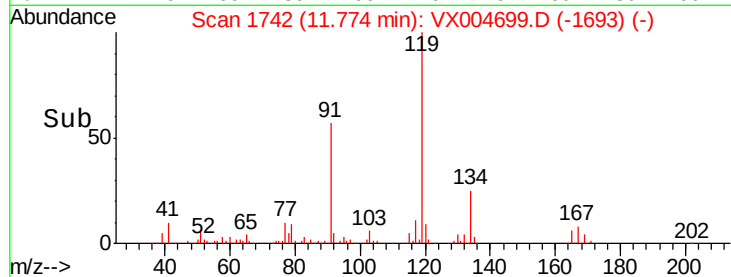
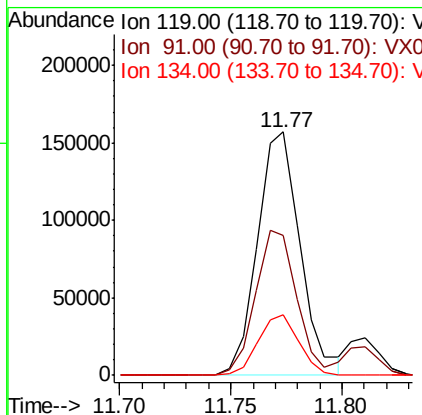
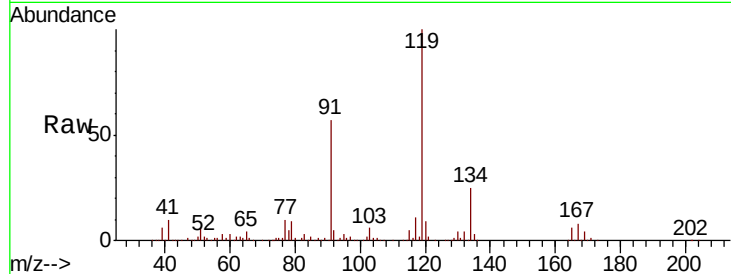
#83
 tert-Butylbenzene
 Concen: 21.87 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	209698		
91	57.6		27.0	81.0
134	23.9		11.7	35.1

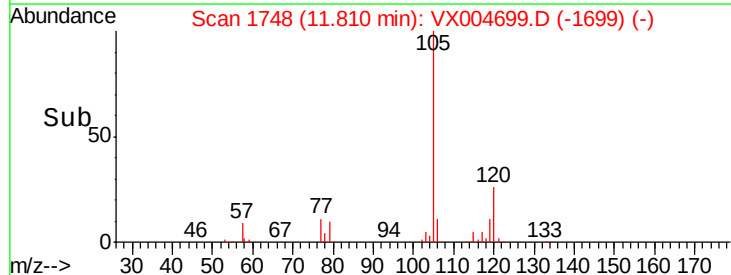
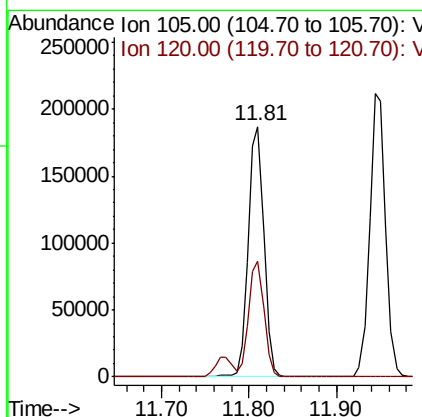
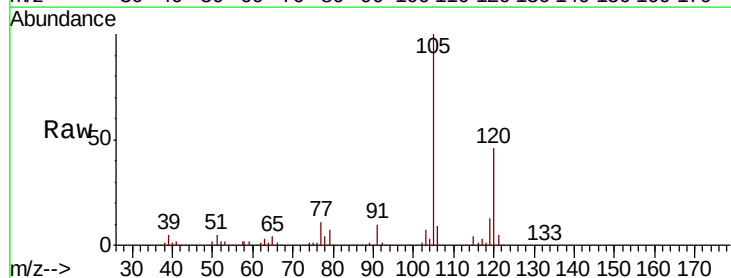
Manual Integrations
 APPROVED

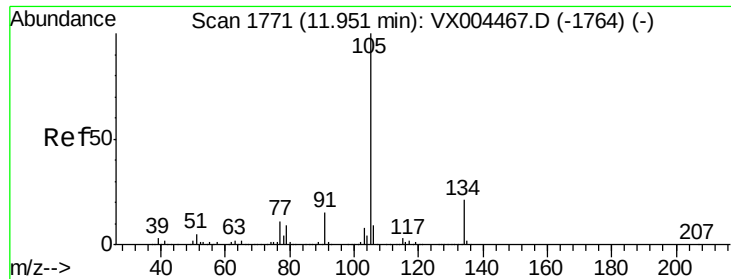
MMDadoda
 9/20/2018 1:42:35 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.28 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229140		
120	45.5		23.2	69.6





#85

sec-Butylbenzene

Concen: 22.01 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBS01

Tot Ion:105 Resp: 268923

Ion Ratio Lower Upper

105 100

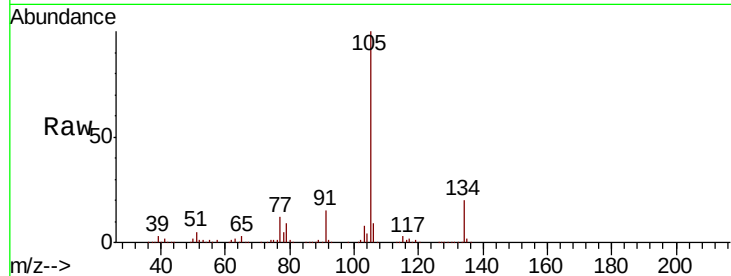
134 20.7 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

250000

200000

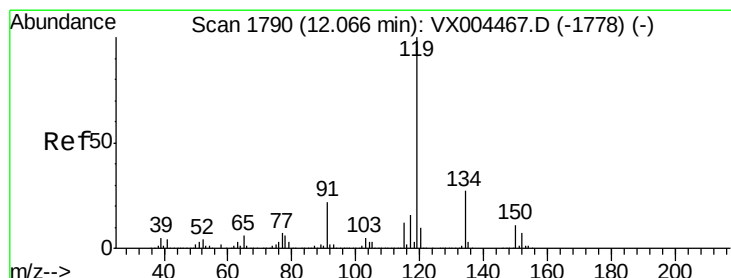
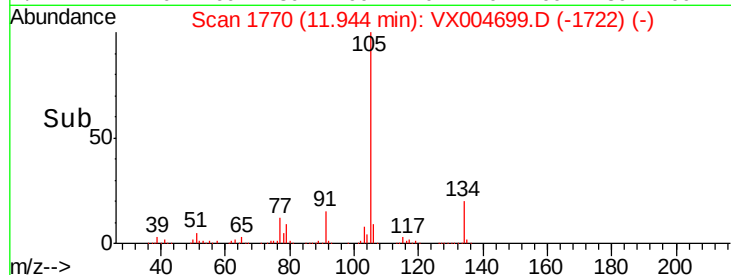
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.42 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004699.D

Acq: 19 Sep 2018 12:19

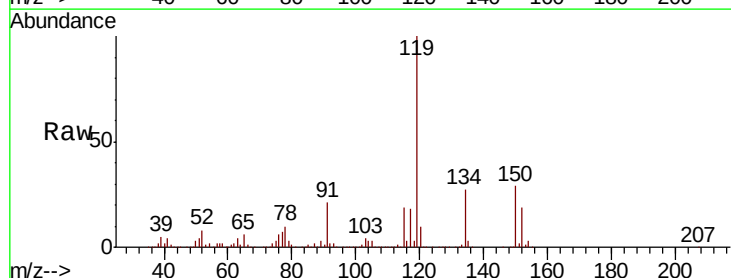
Tgt Ion:119 Resp: 241953

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 21.8 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

250000

200000

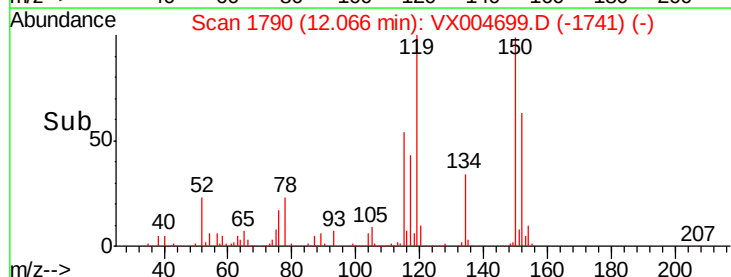
150000

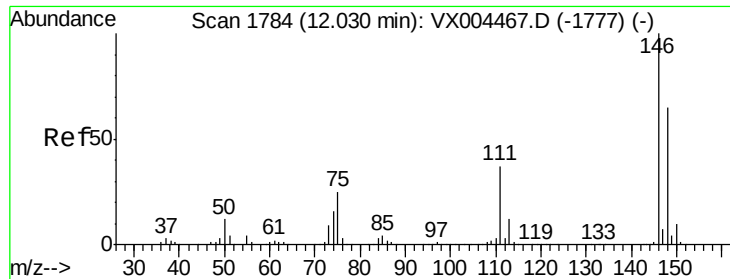
100000

50000

0

Time-->





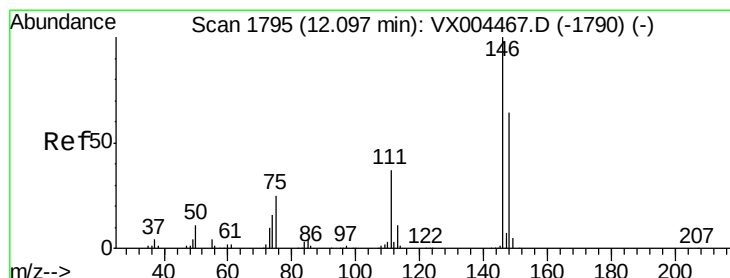
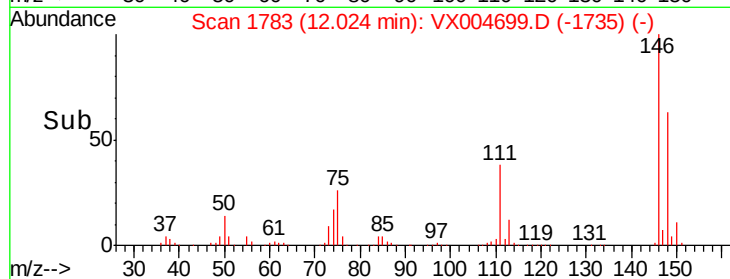
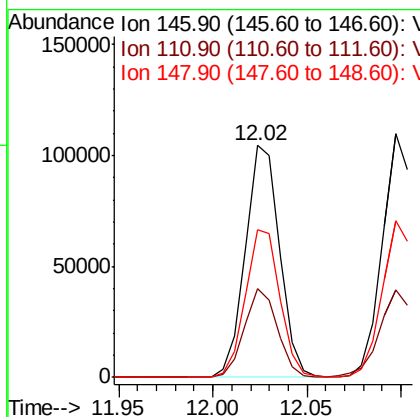
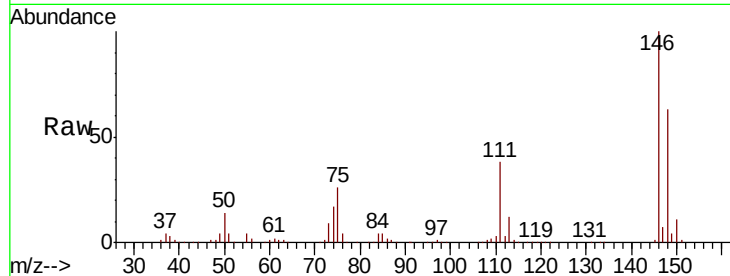
#87
 1,3-Dichlorobenzene
 Concen: 21.37 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.7	56.1
148	64.1	32.1	96.5

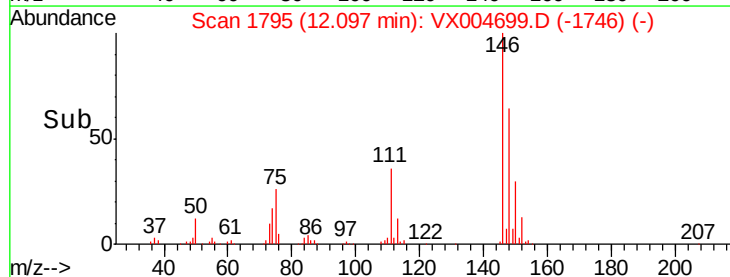
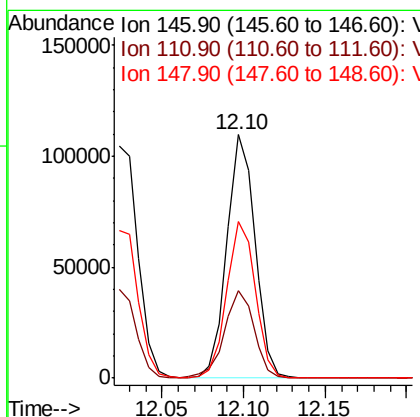
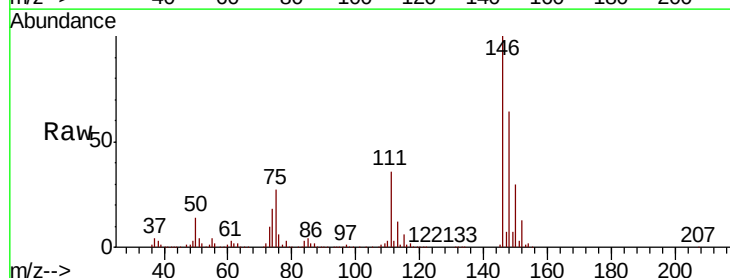
Manual Integrations
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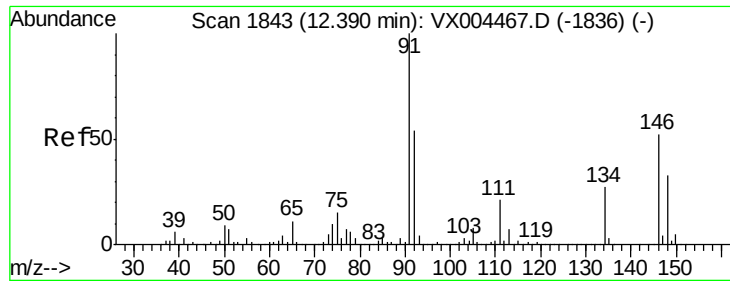
MMDadoda
 9/20/2018 1:42:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.75 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.1
148	65.3	32.0	96.0





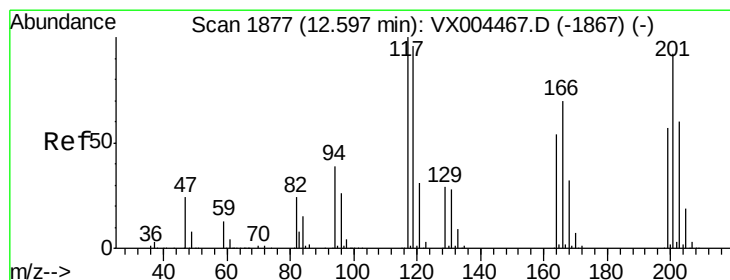
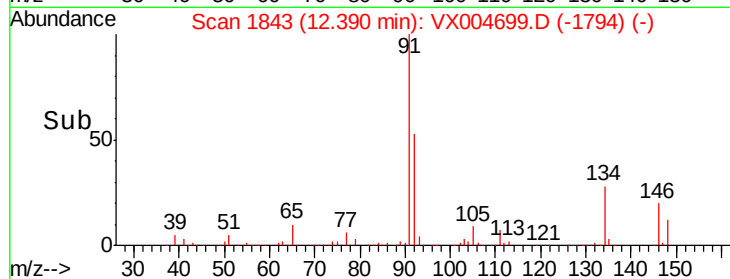
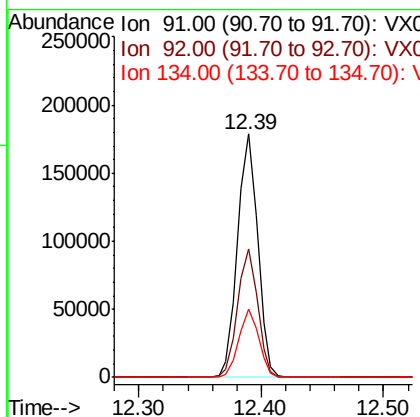
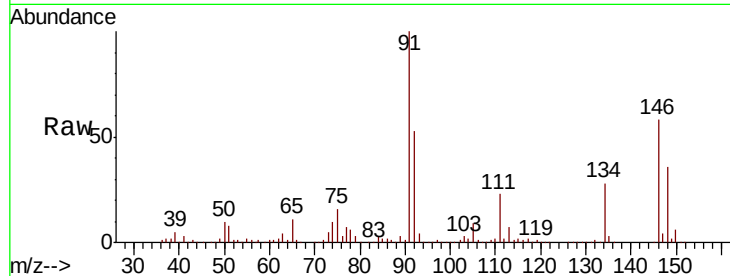
#89
n-Butylbenzene
Concen: 20.66 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	203164		
92	52.5	27.3	81.9	
134	27.6	13.6	40.7	

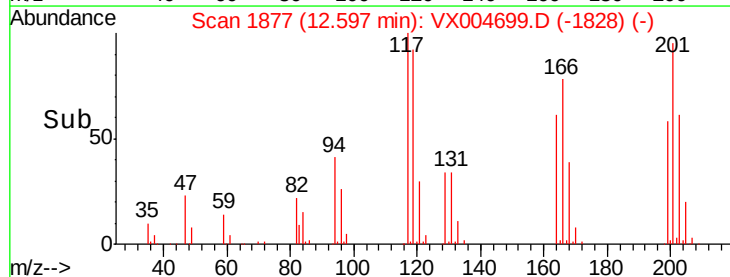
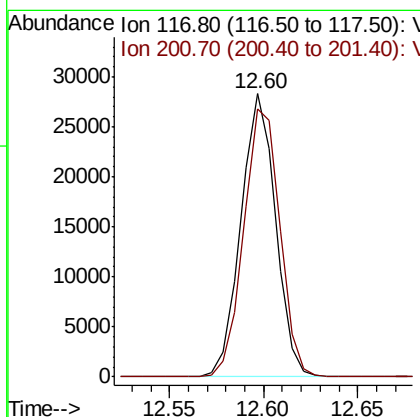
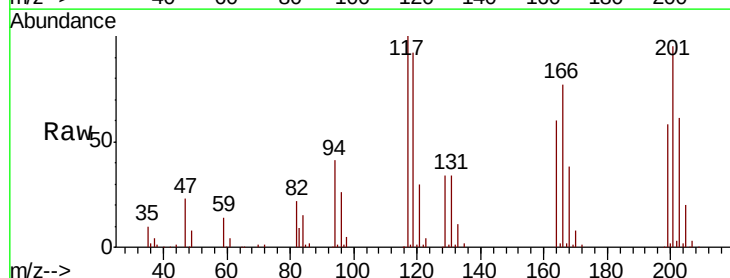
Manual Integrations
APPROVED

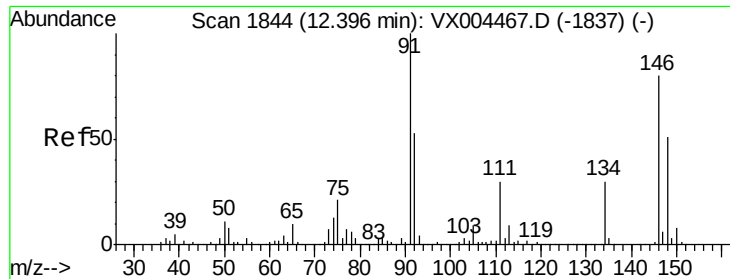
MMDadoda
9/20/2018 1:42:35 PM



#90
Hexachloroethane
Concen: 20.91 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36124		
201	98.8	46.9	140.6	





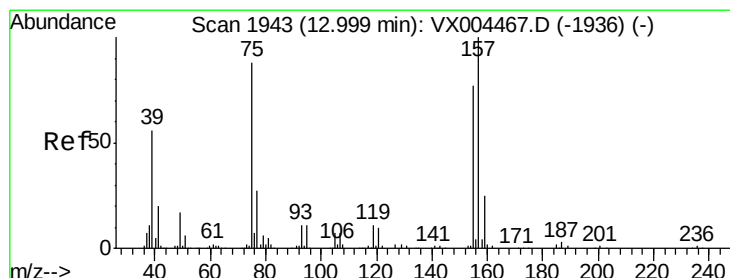
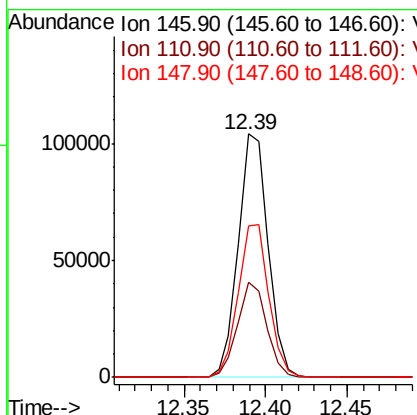
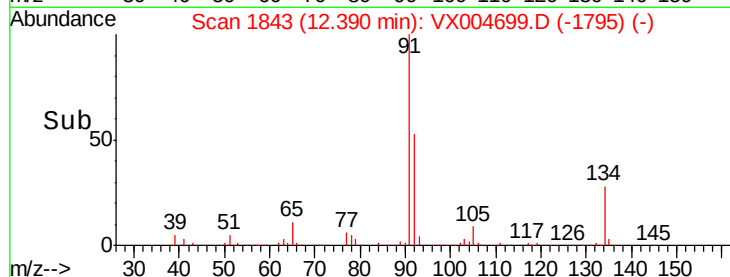
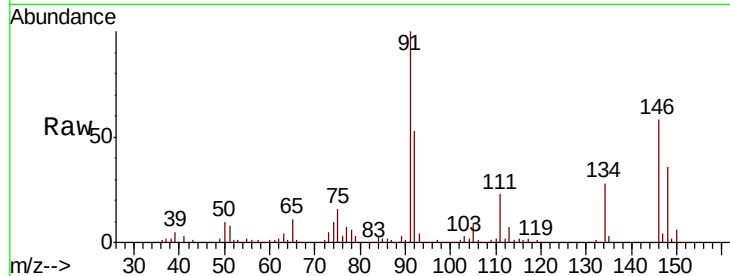
#91
 1,2-Dichlorobenzene
 Concen: 21.29 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.1
148	64.0	32.8	98.3

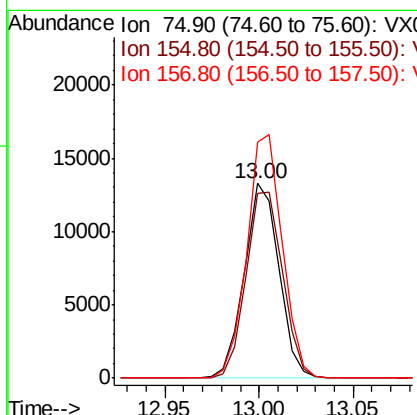
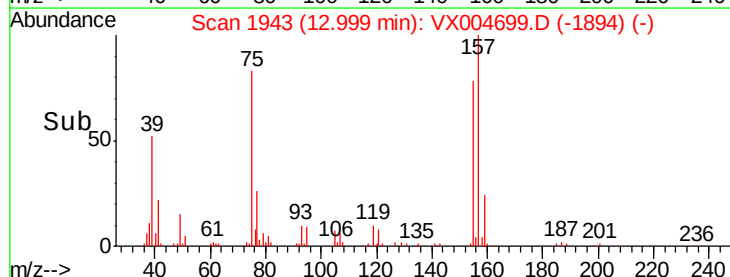
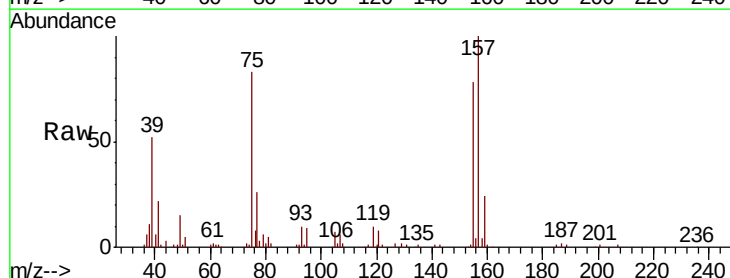
Manual Integrations
 APPROVED

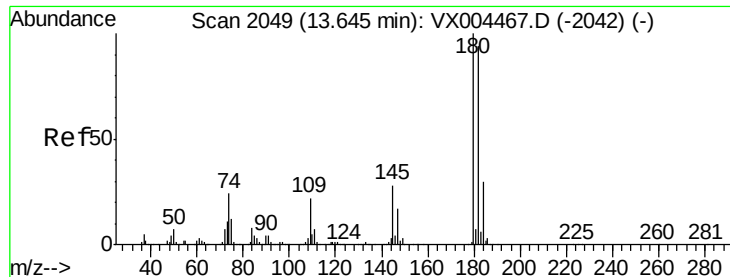
MMDadoda
 9/20/2018 1:42:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.54 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	48.0	144.2
157	127.9	61.4	184.1





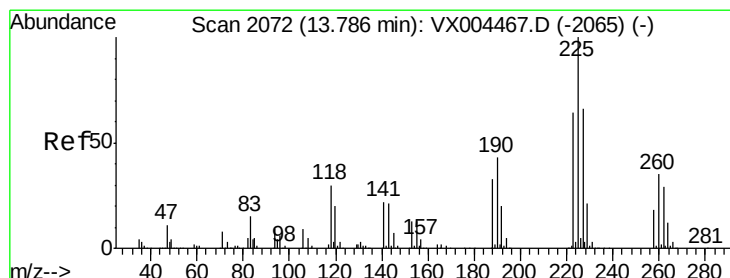
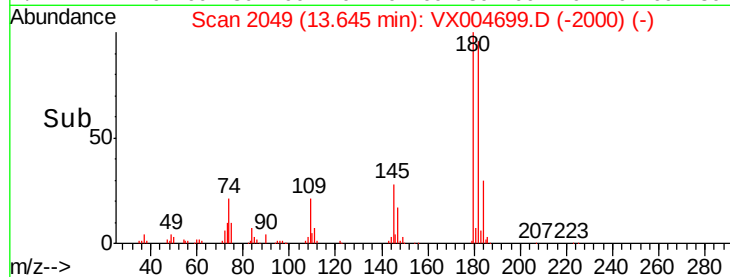
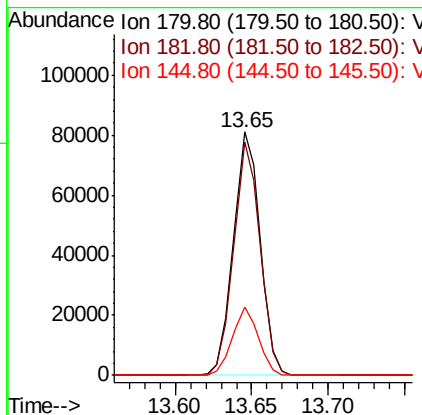
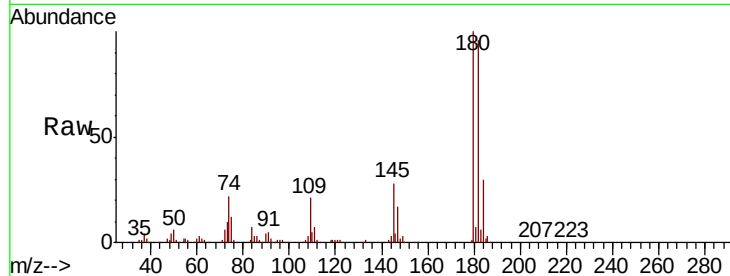
#93
 1,2,4-Trichlorobenzene
 Concen: 22.18 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	98238		
182	94.4	48.4	145.0	
145	27.4	14.3	42.9	

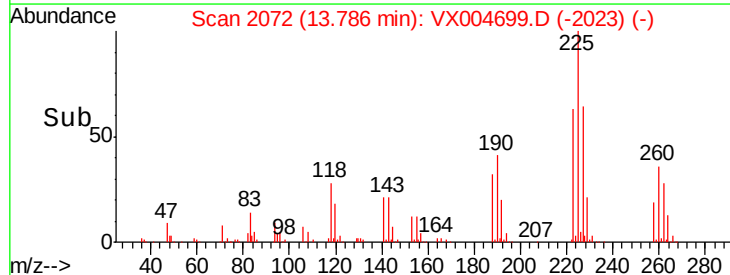
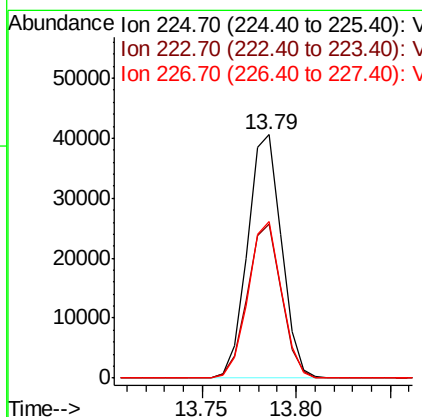
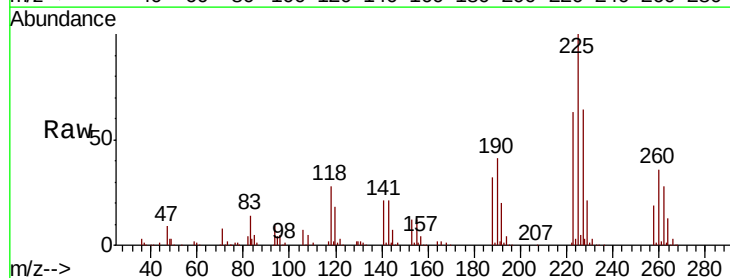
Manual Integrations
 APPROVED

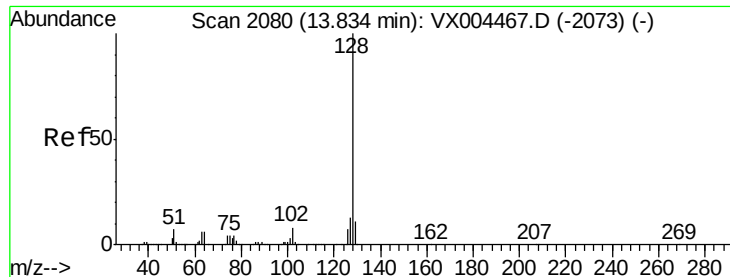
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 21.95 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004699.D
 Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50784		
223	63.1	30.1	90.5	
227	63.2	30.8	92.4	





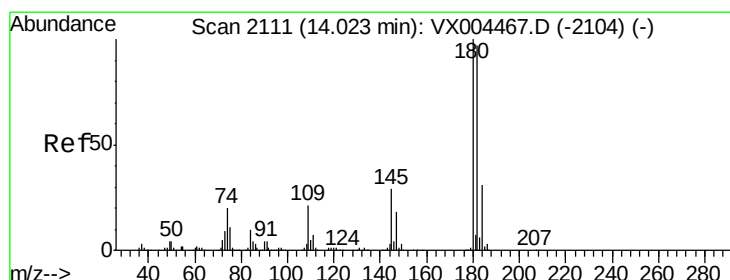
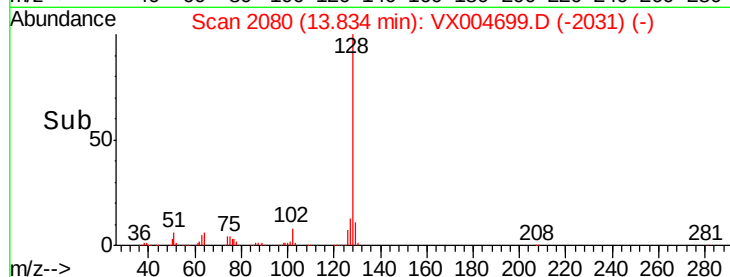
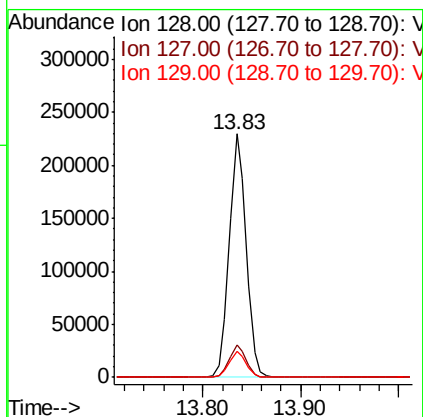
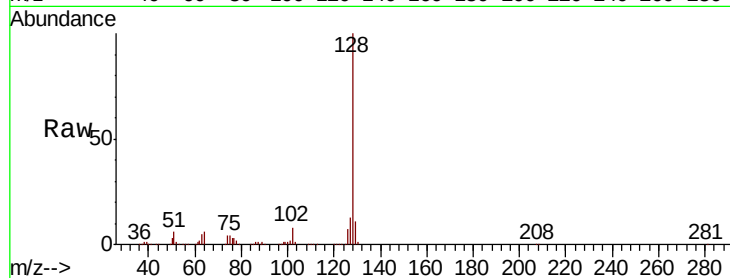
#95
Naphthalene
Concen: 22.19 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	275651		
127	13.0		10.2	15.2
129	10.9		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/20/2018 1:42:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.13 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004699.D
Acq: 19 Sep 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	100689		
182	96.1		48.5	145.6
145	28.9		14.9	44.9

