

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040619\
 Data File : VX008719.D
 Acq On : 06 Apr 2019 14:41
 Operator : JC/SP
 Sample : VX0406WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/9/2019 1:37:38 PM

Quant Time: Apr 08 03:44:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	182408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	302937	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	269466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	122778	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	124078	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
35) Dibromofluoromethane	5.50	113	91935	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	
50) Toluene-d8	8.71	98	370207	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	11.13	95	132368	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	35044	16.690	ug/l	96
3) Chloromethane	1.32	50	48300	17.678	ug/l	98
4) Vinyl Chloride	1.40	62	46974	16.550	ug/l	99
5) Bromomethane	1.64	94	22440	17.329	ug/l	97
6) Chloroethane	1.71	64	31157	18.172	ug/l	98
7) Trichlorofluoromethane	1.92	101	53551	17.068	ug/l	97
8) Diethyl Ether	2.19	74	25810	17.346	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34611	17.134	ug/l	99
10) Methyl Iodide	2.51	142	27334	17.671	ug/l	100
11) Tert butyl alcohol	3.05	59	56149	90.147	ug/l	99
12) 1,1-Dichloroethene	2.37	96	35157	16.672	ug/l	98
13) Acrolein	2.29	56	43214	139.920	ug/l	97
14) Allyl chloride	2.73	41	81759	16.936	ug/l	100
15) Acrylonitrile	3.14	53	145284	88.047	ug/l	100
16) Acetone	2.45	43	129100	84.248	ug/l	99
17) Carbon Disulfide	2.57	76	101654	16.193	ug/l	99
18) Methyl Acetate	2.78	43	65035	17.499	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	133613	17.742	ug/l	99
20) Methylene Chloride	2.85	84	42710	16.651	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	37795	16.569	ug/l	94
22) Diisopropyl ether	3.85	45	164421	17.671	ug/l	91
23) Vinyl Acetate	3.81	43	720672	89.033	ug/l	99
24) 1,1-Dichloroethane	3.70	63	78938	17.135	ug/l	100
25) 2-Butanone	4.68	43	215686	89.054	ug/l	100
26) 2,2-Dichloropropane	4.58	77	53714	16.554	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	44288	16.888	ug/l	99
28) Bromochloromethane	5.01	49	38964	18.331	ug/l	99
29) Tetrahydrofuran	5.13	42	142281	88.509	ug/l	100
30) Chloroform	5.21	83	71638	17.410	ug/l	99
31) Cyclohexane	5.58	56	77059	16.764	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	57830	17.392	ug/l	99
36) 1,1-Dichloropropene	5.80	75	55230	16.679	ug/l	100
37) Ethyl Acetate	4.84	43	81821	18.511	ug/l	99
38) Carbon Tetrachloride	5.79	117	47283	17.252	ug/l	98

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Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67213	16.431	ug/l	98
40) Benzene	6.14	78	171526	17.387	ug/l	99
41) Methacrylonitrile	5.04	41	45563	17.933	ug/l	99
42) 1,2-Dichloroethane	6.19	62	61752	17.461	ug/l	100
43) Isopropyl Acetate	6.45	43	125122	18.071	ug/l	100
44) Trichloroethene	7.21	130	39562	17.219	ug/l	96
45) 1,2-Dichloropropane	7.51	63	49048	17.419	ug/l	100
46) Dibromomethane	7.66	93	27818	17.034	ug/l	98
47) Bromodichloromethane	7.90	83	53557	17.393	ug/l	100
48) Methyl methacrylate	7.77	41	62856	17.946	ug/l	99
49) 1,4-Dioxane	7.74	88	23750	361.978	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	416288	93.396	ug/l	100
52) Toluene	8.78	92	103796	17.847	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	59521	17.257	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	67757	17.192	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	41330	17.703	ug/l	99
56) Ethyl methacrylate	9.18	69	77873	18.436	ug/l	100
57) 1,3-Dichloropropane	9.37	76	75053	17.903	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	212576	98.558	ug/l	100
59) 2-Hexanone	9.49	43	318291	91.887	ug/l	100
60) Dibromochloromethane	9.58	129	38302	17.411	ug/l	98
61) 1,2-Dibromoethane	9.67	107	42578	17.519	ug/l	99
64) Tetrachloroethene	9.34	164	35271	17.667	ug/l	98
65) Chlorobenzene	10.13	112	104301	17.462	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	36391	17.366	ug/l	99
67) Ethyl Benzene	10.25	91	196977	17.685	ug/l	99
68) m/p-Xylenes	10.36	106	139839	34.918	ug/l	100
69) o-Xylene	10.69	106	68454	17.638	ug/l	99
70) Styrene	10.71	104	119530	17.867	ug/l	100
71) Bromoform	10.85	173	27909	17.438	ug/l #	97
73) Isopropylbenzene	11.02	105	184913	18.173	ug/l	100
74) N-amyl acetate	10.90	43	107656	17.984	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	69620	17.991	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	68380m	20.274	ug/l	
77) Bromobenzene	11.26	156	44105	18.031	ug/l	99
78) n-propylbenzene	11.36	91	211143	17.822	ug/l	100
79) 2-Chlorotoluene	11.42	91	127323	17.759	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	155491	18.205	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21191	17.319	ug/l	95
82) 4-Chlorotoluene	11.51	91	145589	17.543	ug/l	100
83) tert-Butylbenzene	11.77	119	146414	17.818	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	155284	17.955	ug/l	100
85) sec-Butylbenzene	11.94	105	174324	17.860	ug/l	99
86) p-Isopropyltoluene	12.06	119	158523	18.095	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	75501	17.242	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	75833	17.102	ug/l	99
89) n-Butylbenzene	12.38	91	142770	17.378	ug/l	100
90) Hexachloroethane	12.60	117	24644	16.961	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	77003	17.711	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14303	16.802	ug/l	99

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ClientSampleId :
VX0406WBSD01

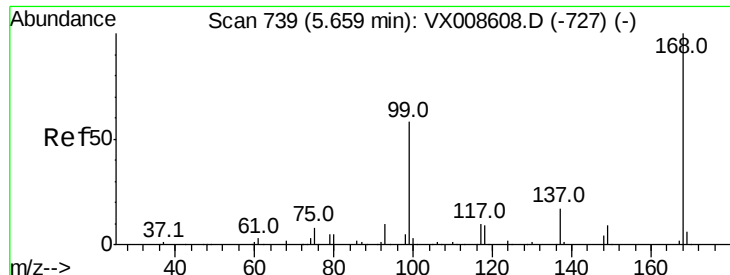
Manual Integrations
APPROVED

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QLast Update : Thu Apr 04 04:47:41 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	51761	17.122	ug/l	99
94) Hexachlorobutadiene	13.78	225	25983	17.922	ug/l	98
95) Naphthalene	13.83	128	175670	17.387	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	50613	16.757	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion:168 Resp: 182408

Ion Ratio Lower Upper

168 100

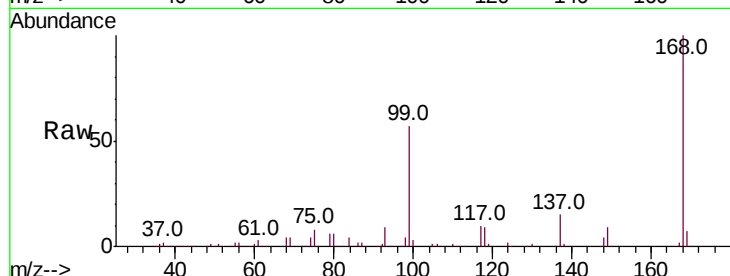
99 56.7 46.7 70.1

Manual Integrations

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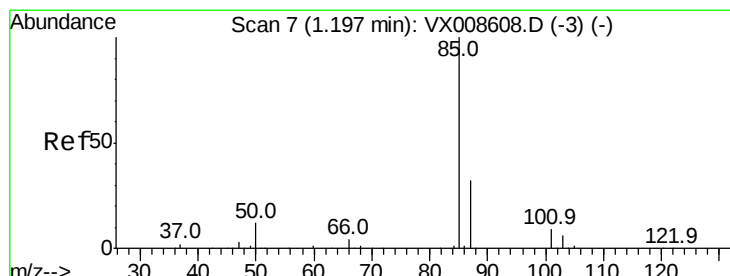
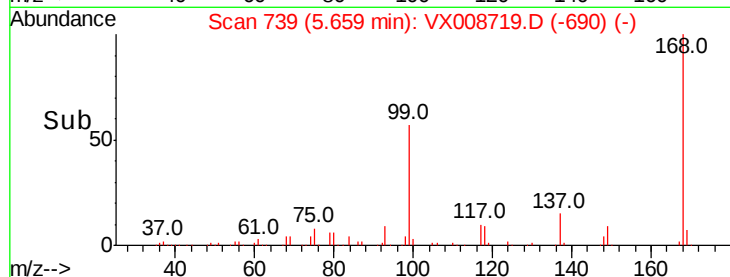
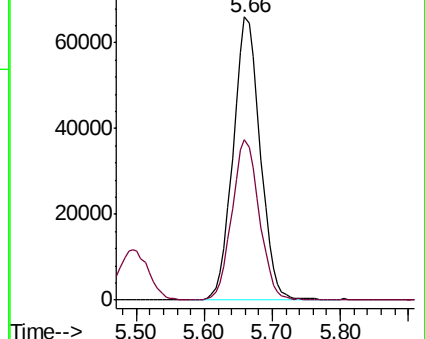
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.690 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008719.D

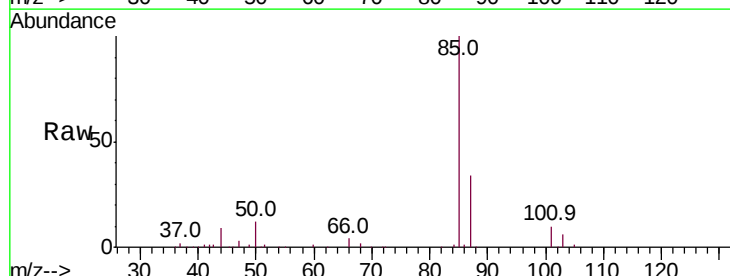
Acq: 06 Apr 2019 14:41

Tgt Ion: 85 Resp: 35044

Ion Ratio Lower Upper

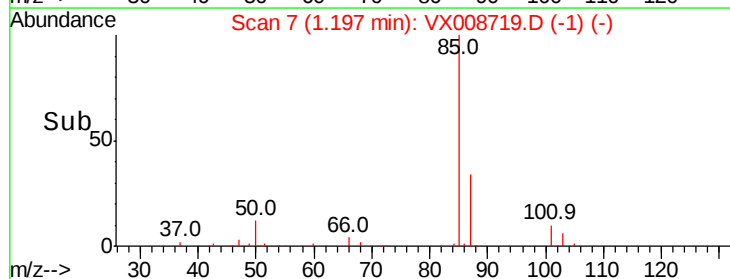
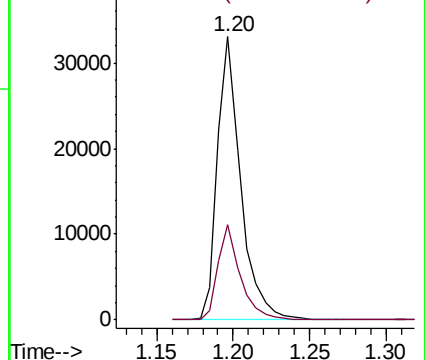
85 100

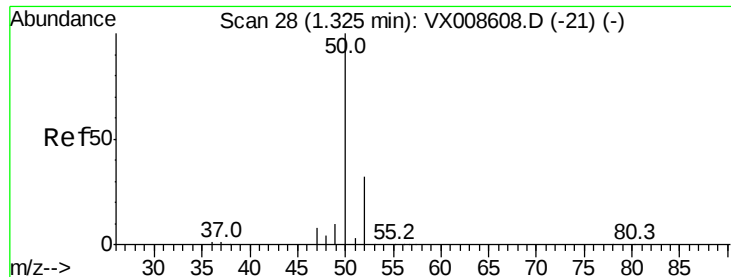
87 33.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 17.678 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion: 50 Resp: 48300

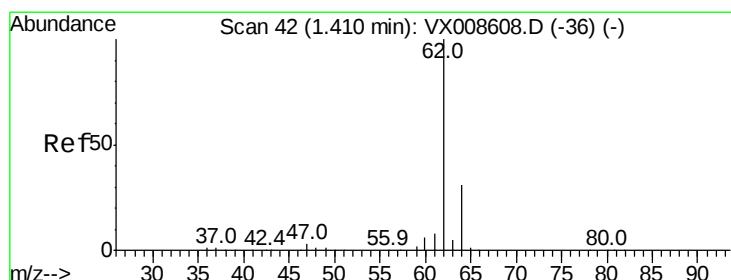
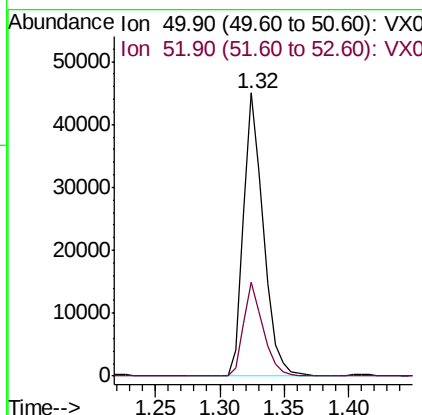
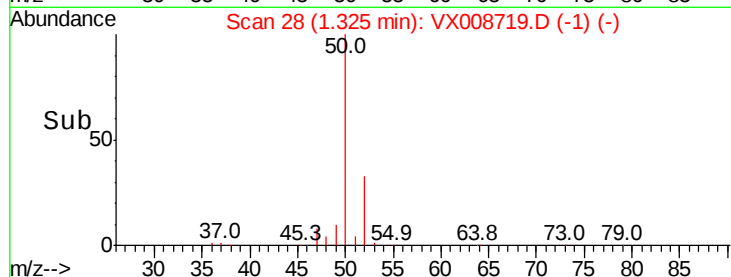
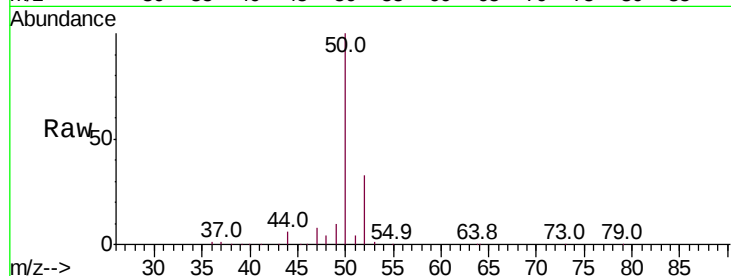
Ion Ratio Lower Upper

50 100

52 33.2 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.550 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008719.D

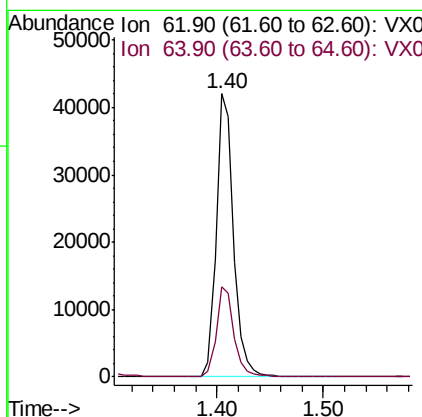
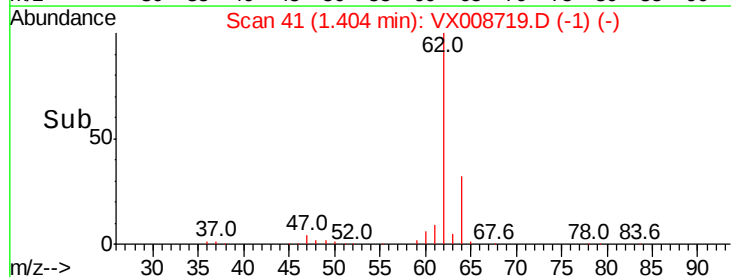
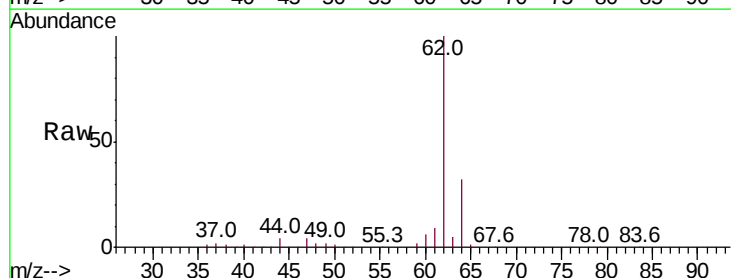
Acq: 06 Apr 2019 14:41

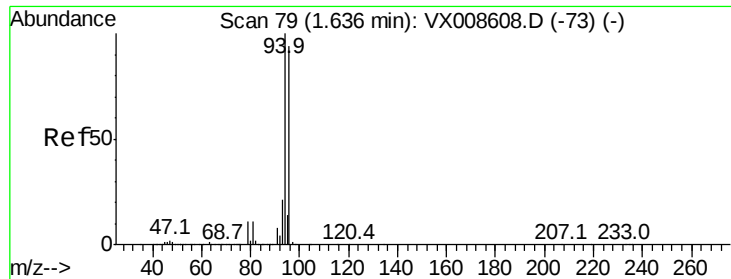
Tgt Ion: 62 Resp: 46974

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1





#5

Bromomethane

Concen: 17.329 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion: 94 Resp: 22440

Ion Ratio Lower Upper

94 100

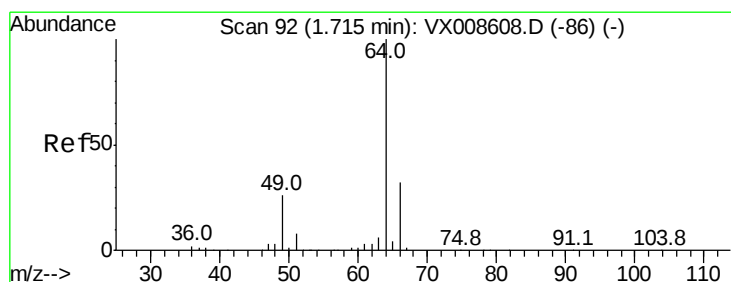
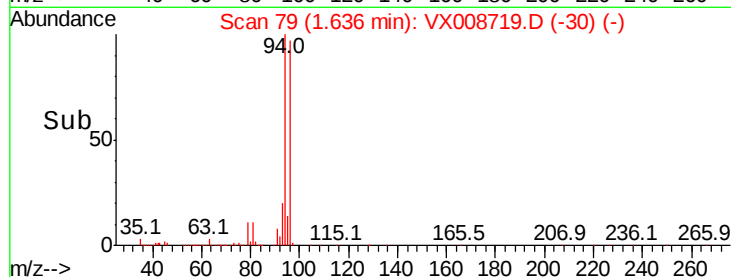
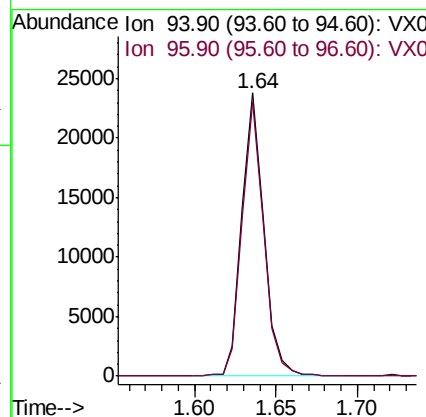
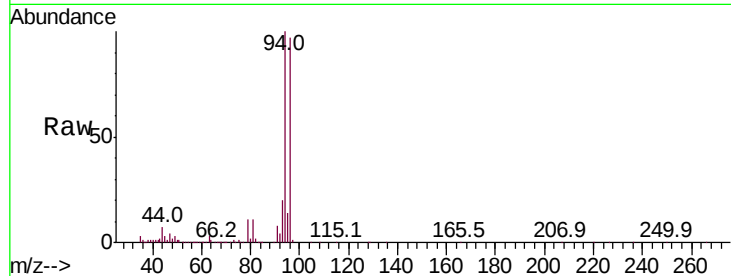
96 97.0 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 18.172 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008719.D

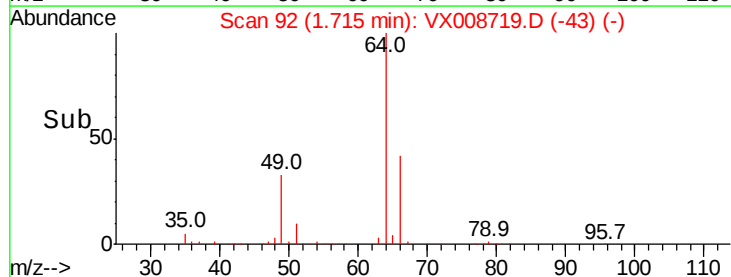
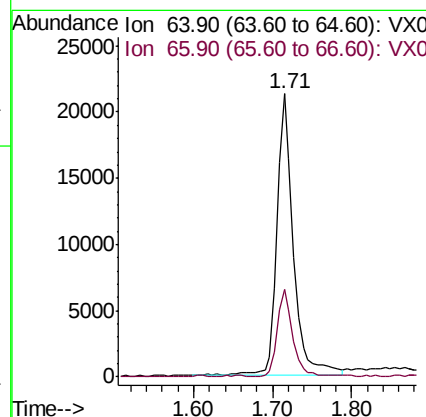
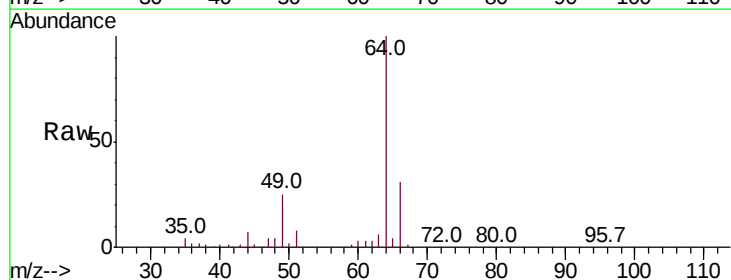
Acq: 06 Apr 2019 14:41

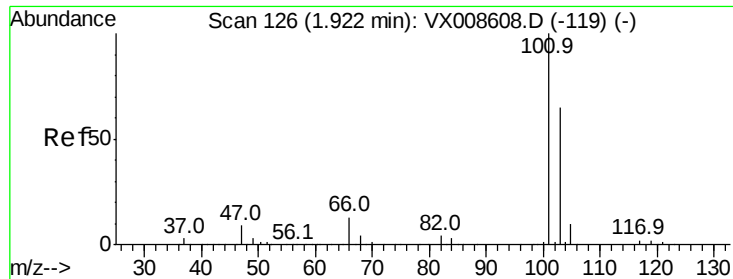
Tgt Ion: 64 Resp: 31157

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.0





#7

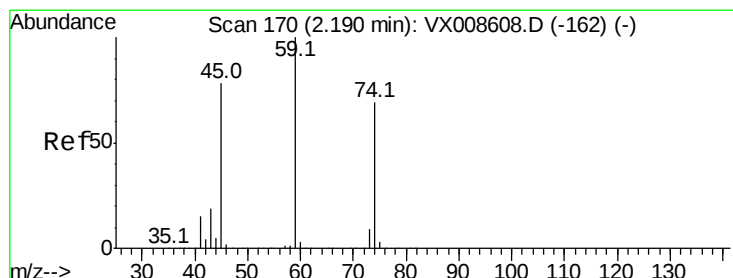
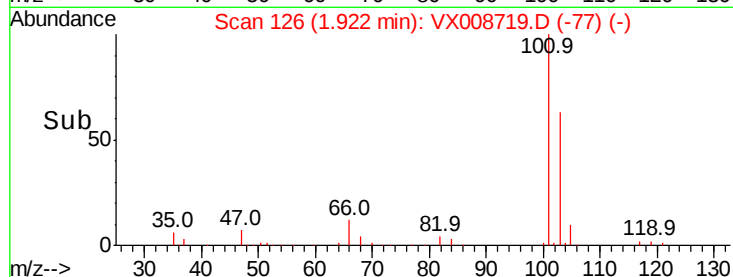
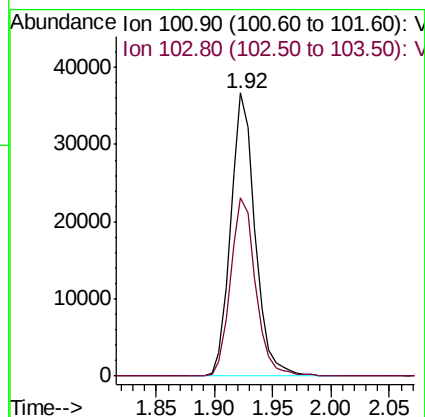
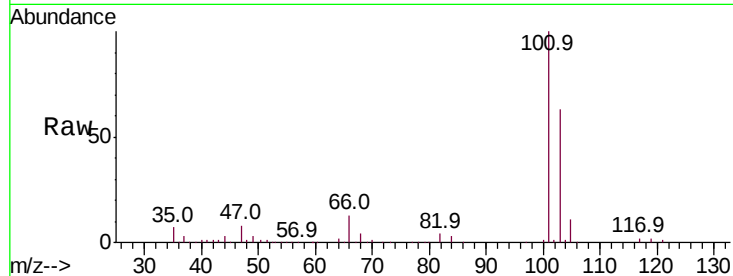
Trichlorofluoromethane
Concen: 17.068 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.3	78.5

Manual Integrations
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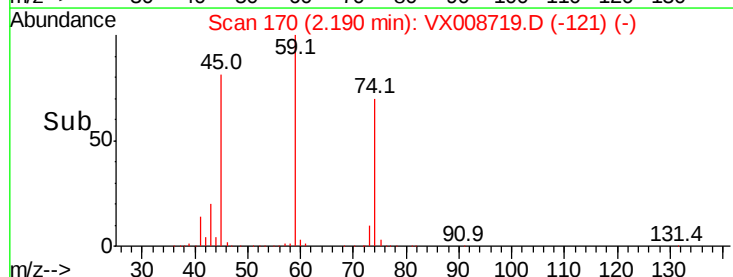
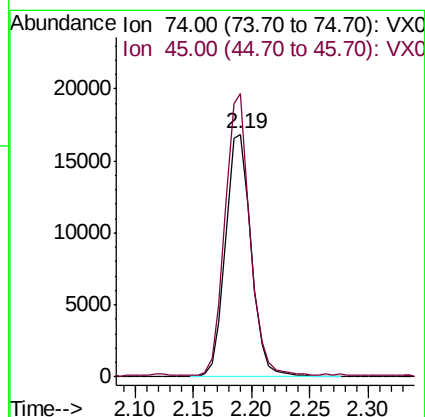
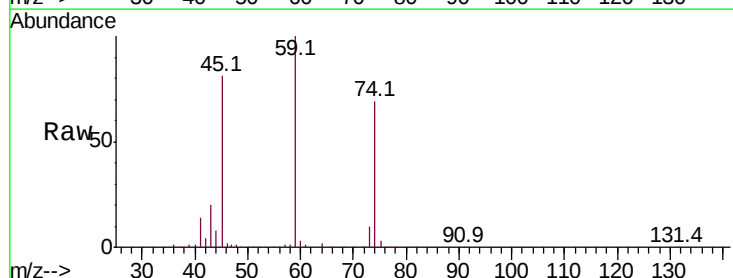
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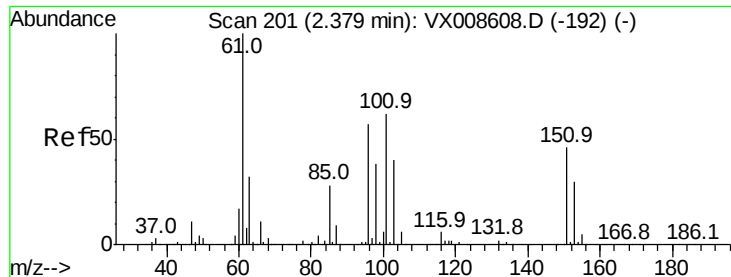


#8

Diethyl Ether
Concen: 17.346 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.7	56.5	169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.134 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

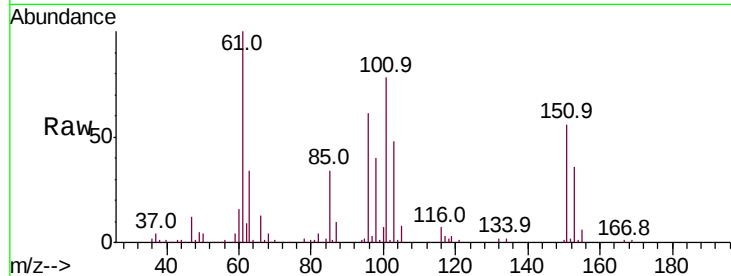
ClientSampleId :

VX0406WBSD01

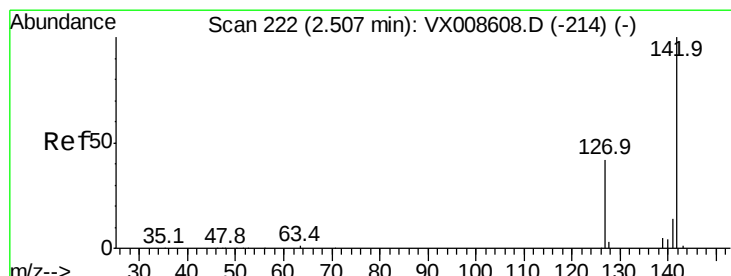
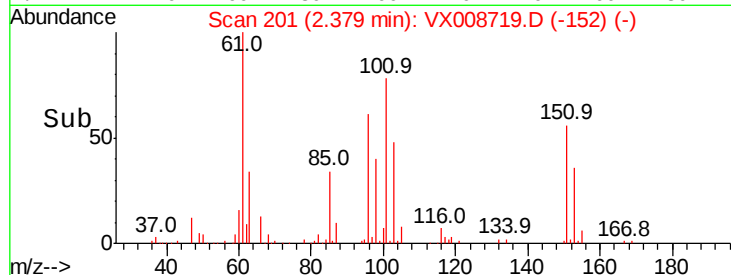
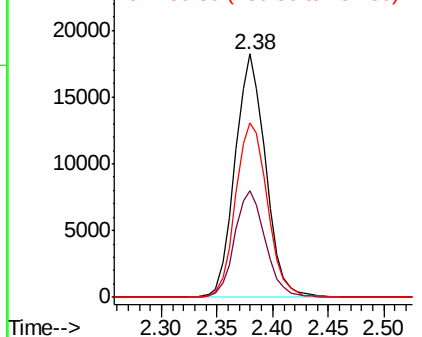
Tot Ion:	101	Resp:	34611
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	75.0	59.9	89.9

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.671 ug/l

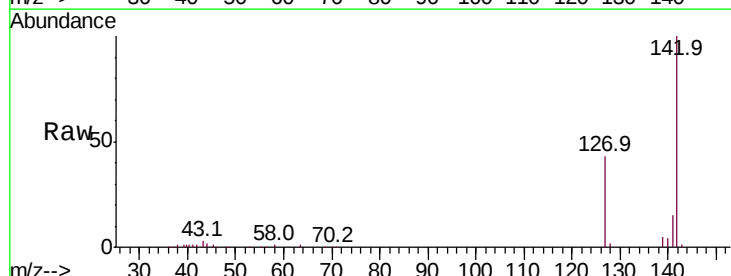
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

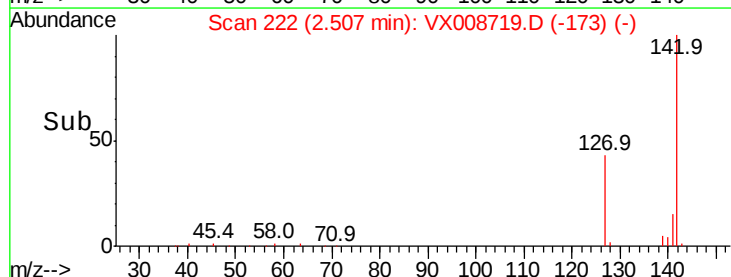
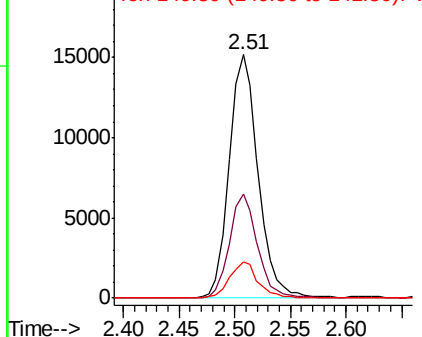
Lab File: VX008719.D

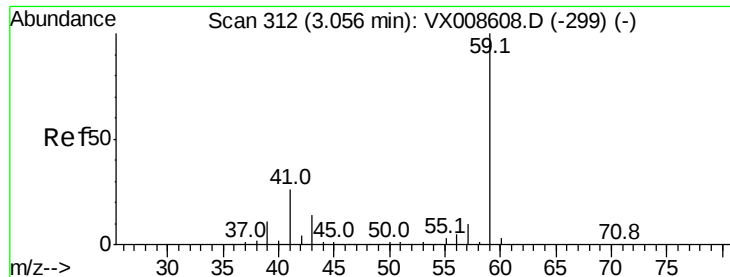
Acq: 06 Apr 2019 14:41

Tgt Ion:	142	Resp:	27334
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.0	49.6
141	14.6	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





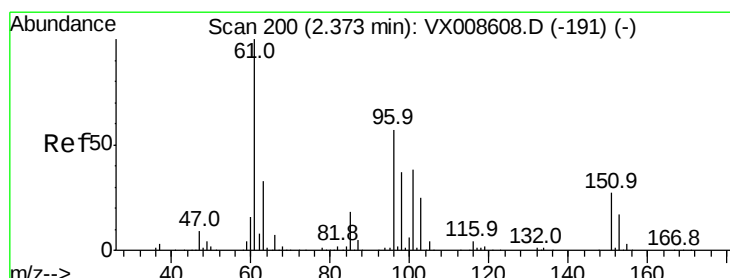
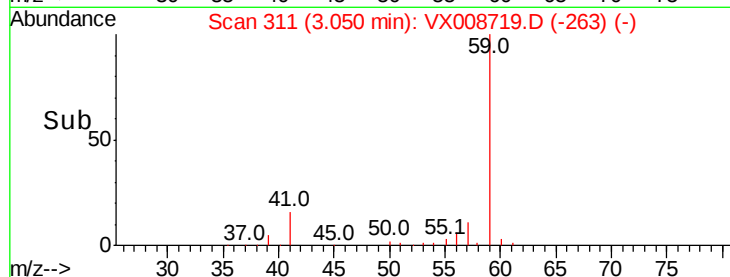
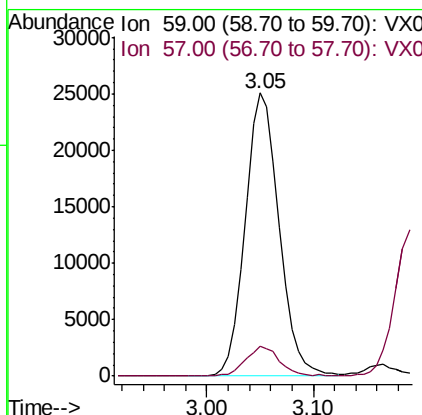
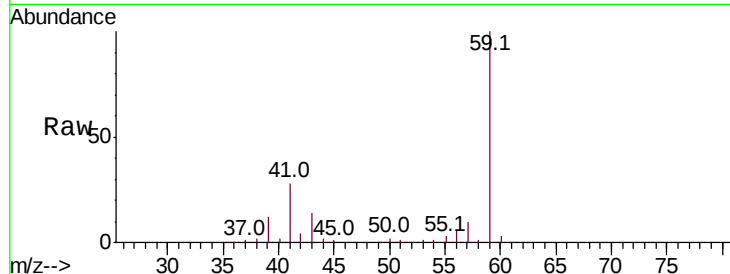
#11
Tert butyl alcohol
Concen: 90.147 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion: 59 Resp: 56149
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

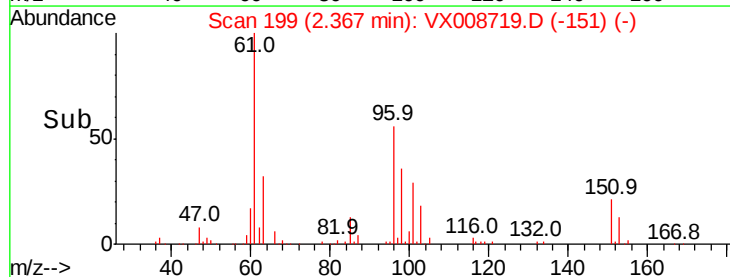
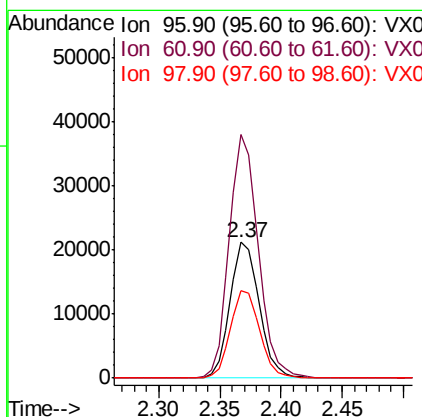
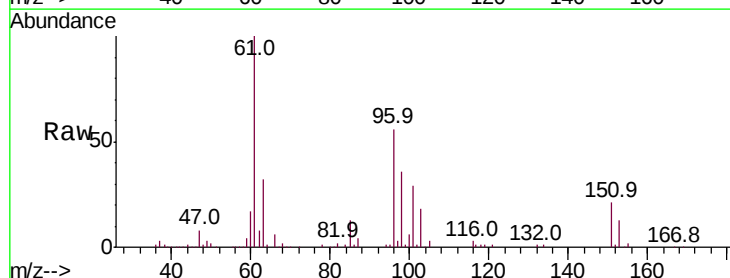
Manual Integrations
APPROVED

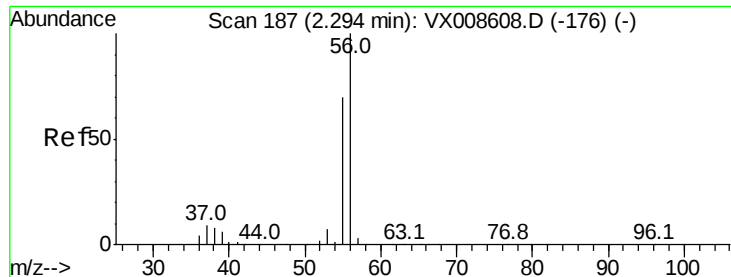
MMDadoda
4/9/2019 1:37:38 PM



#12
1,1-Dichloroethene
Concen: 16.672 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion: 96 Resp: 35157
Ion Ratio Lower Upper
96 100
61 179.0 140.9 211.3
98 64.1 52.1 78.1





#13

Acrolein

Concen: 139.920 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion: 56 Resp: 43214

Ion Ratio Lower Upper

56 100

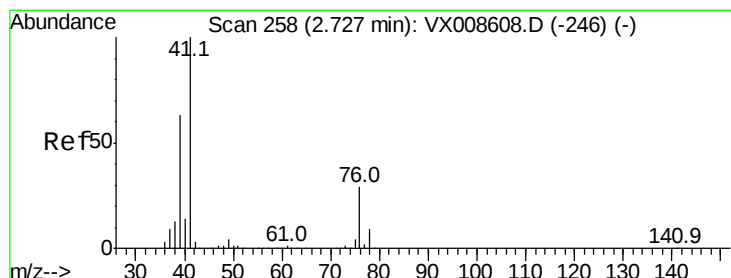
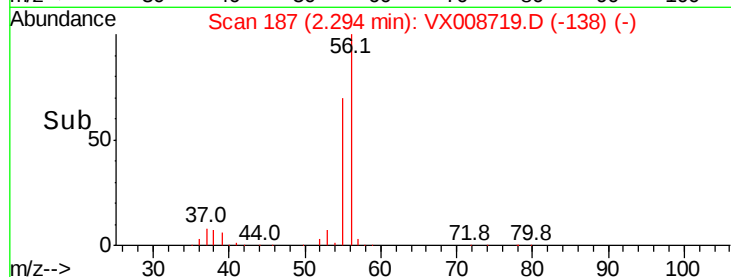
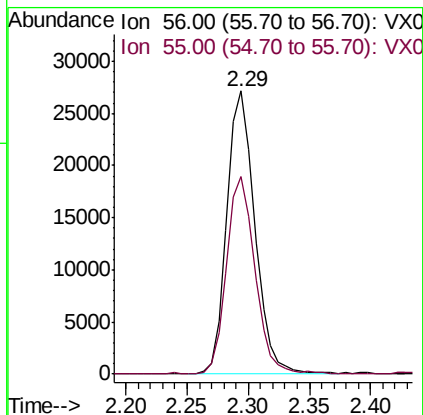
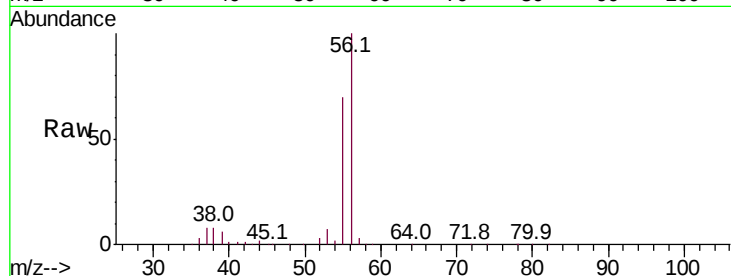
55 70.2 58.0 87.0

Manual Integrations

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#14

Allyl chloride

Concen: 16.936 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

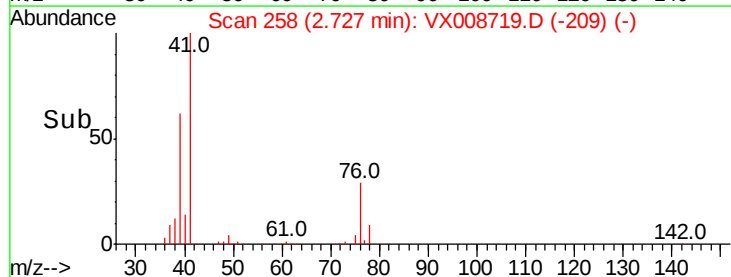
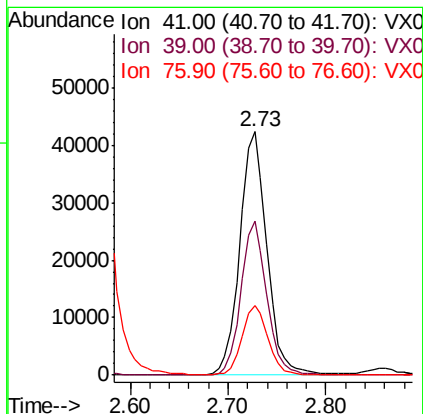
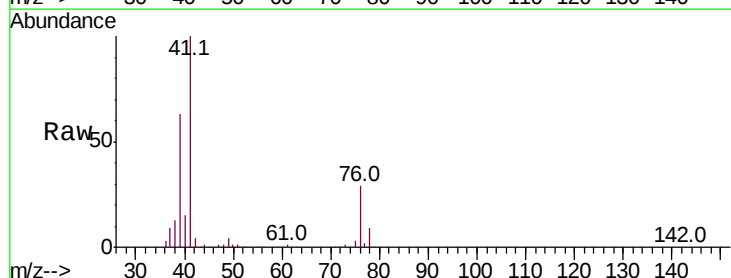
Tgt Ion: 41 Resp: 81759

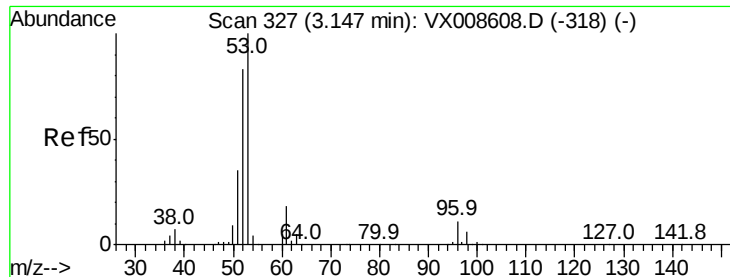
Ion Ratio Lower Upper

41 100

39 60.0 48.0 72.0

76 27.3 22.0 33.0





#15

Acrylonitrile

Concen: 88.047 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

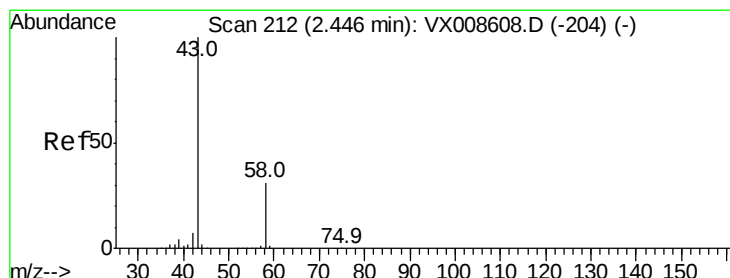
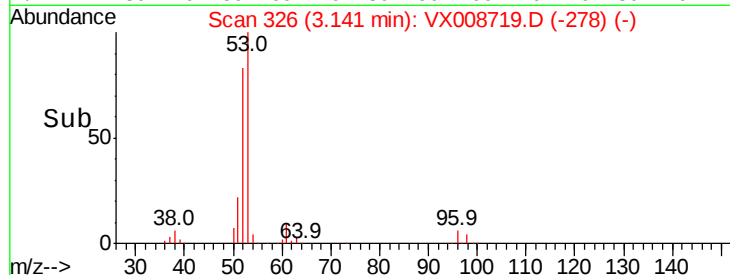
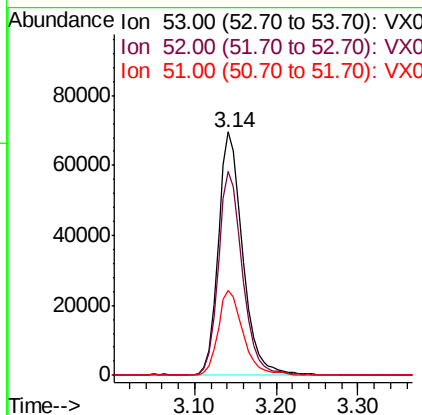
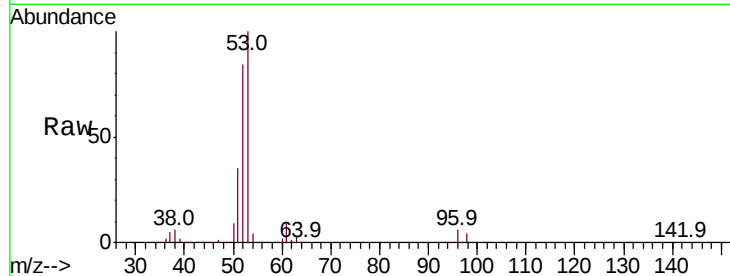
ClientSampleId :

VX0406WBSD01

Tot Ion:	53	Resp:	145284
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.5	99.7
51	35.6	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 84.248 ug/l

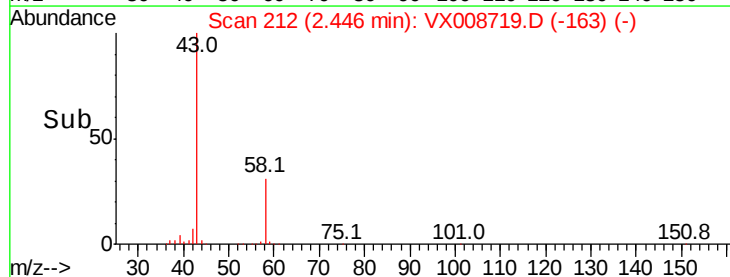
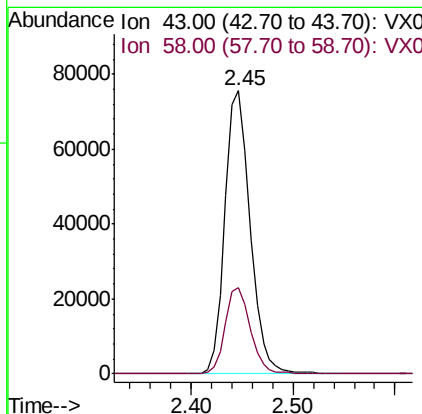
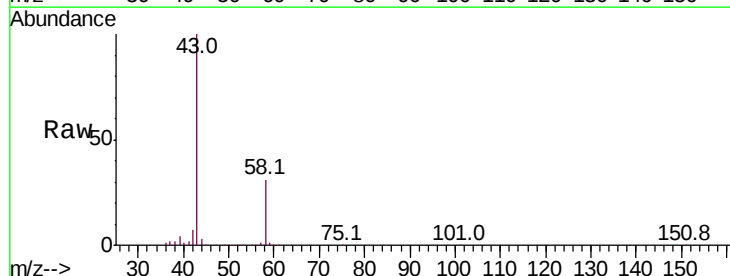
RT: 2.45 min Scan# 212

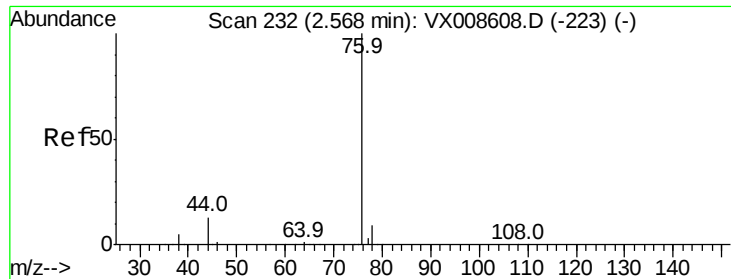
Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Tgt Ion:	43	Resp:	129100
Ion Ratio	Lower	Upper	
43	100		
58	30.7	24.8	37.2





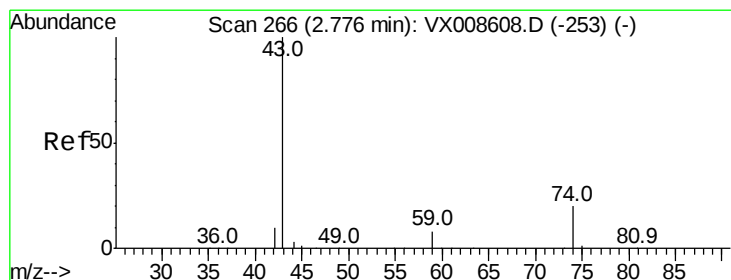
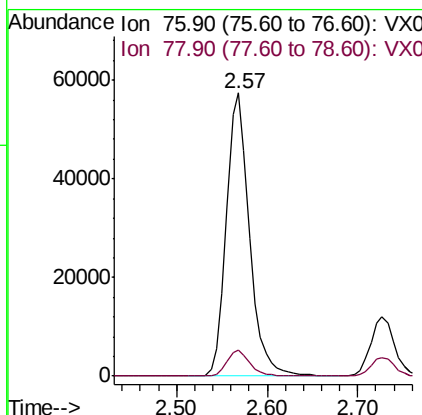
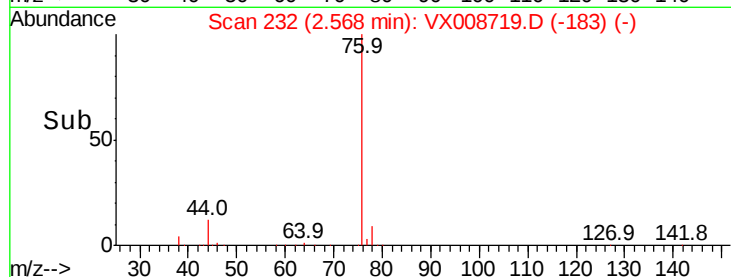
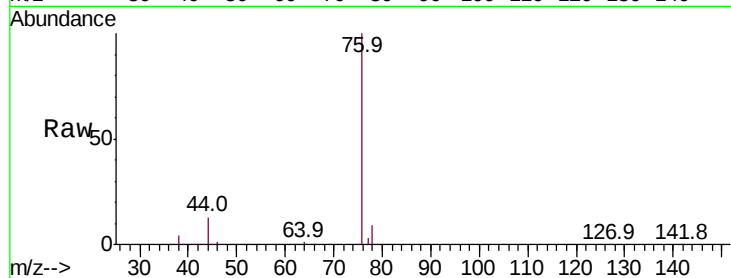
#17
Carbon Disulfide
Concen: 16.193 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

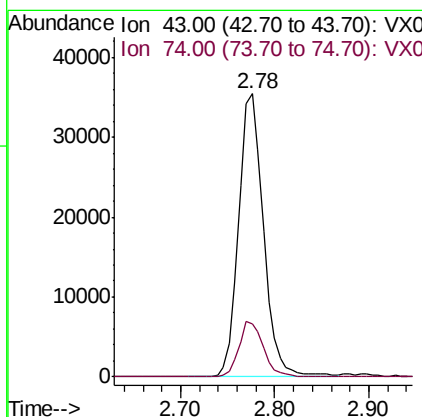
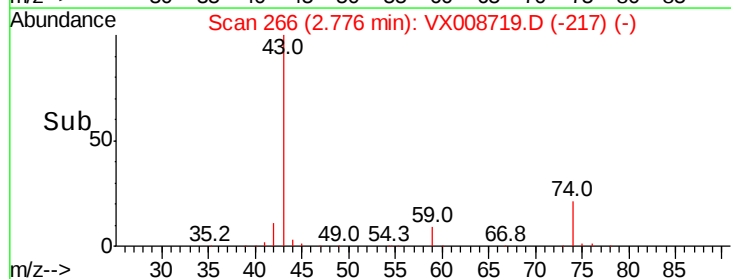
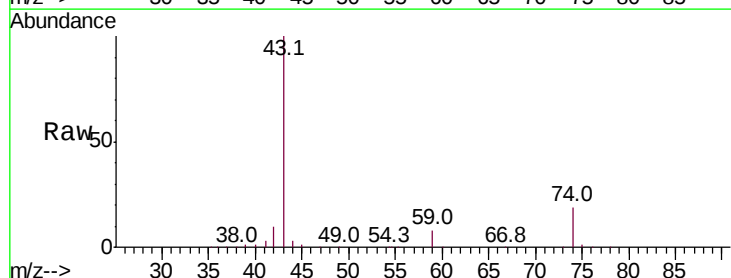
Manual Integrations
APPROVED

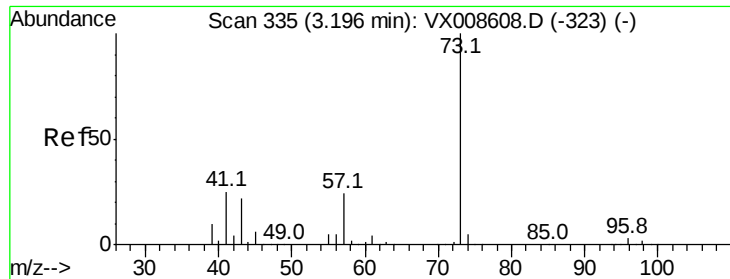
MMDadoda
4/9/2019 1:37:38 PM



#18
Methyl Acetate
Concen: 17.499 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	16.5	24.7





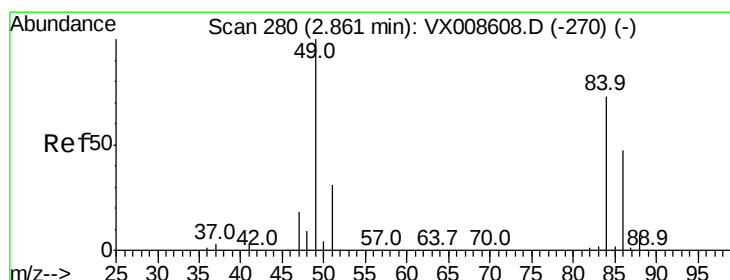
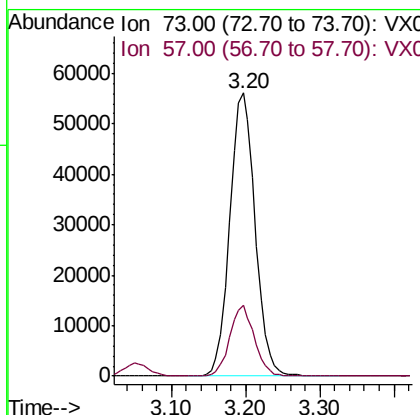
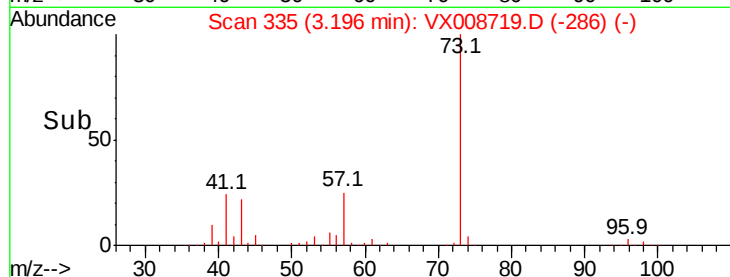
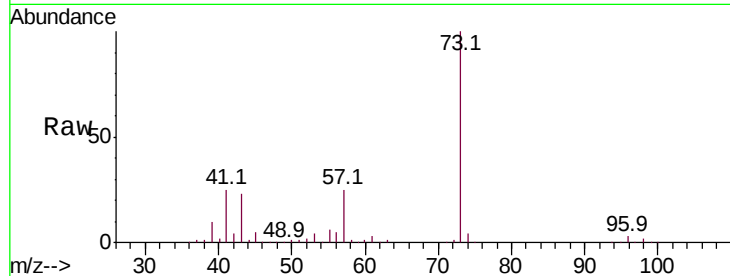
#19
Methvl tert-butvl Ether
Concen: 17.742 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion: 73 Resp: 133613
Ion Ratio Lower Upper
73 100
57 24.9 19.5 29.3

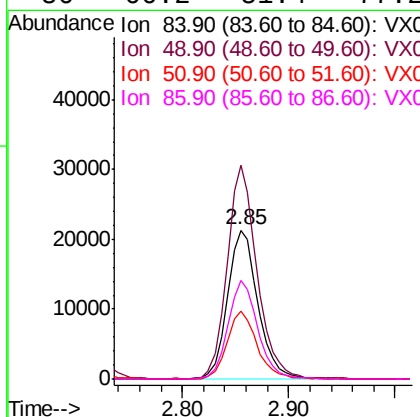
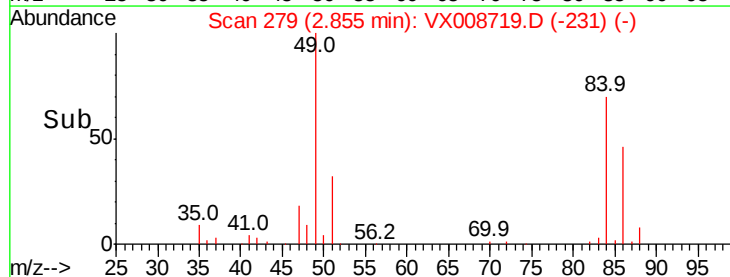
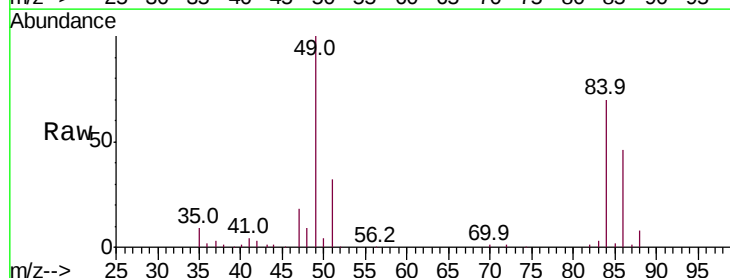
Manual Integrations
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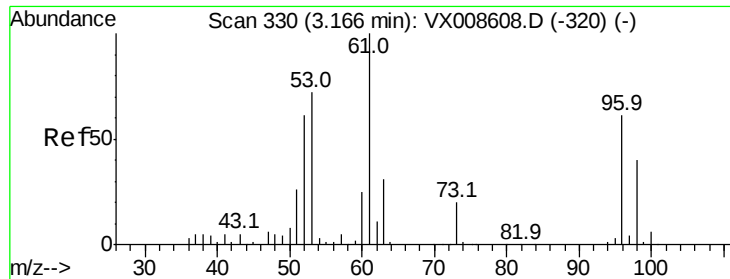
MMDadoda
4/9/2019 1:37:38 PM



#20
Methylene Chloride
Concen: 16.651 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion: 84 Resp: 42710
Ion Ratio Lower Upper
84 100
49 143.8 109.7 164.5
51 45.7 33.6 50.4
86 66.2 51.4 77.2





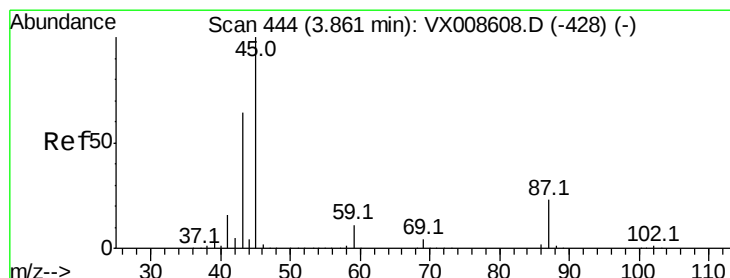
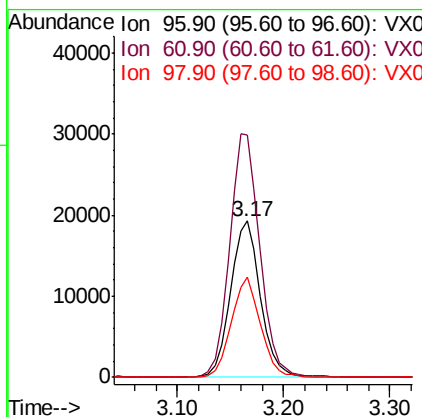
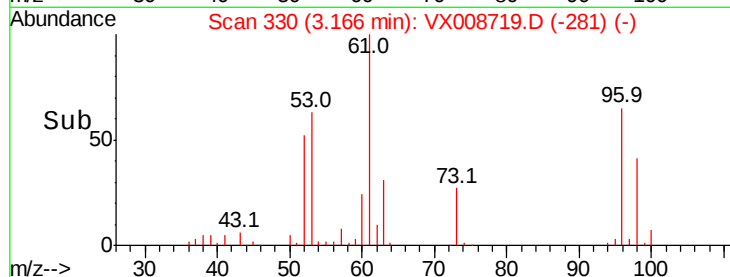
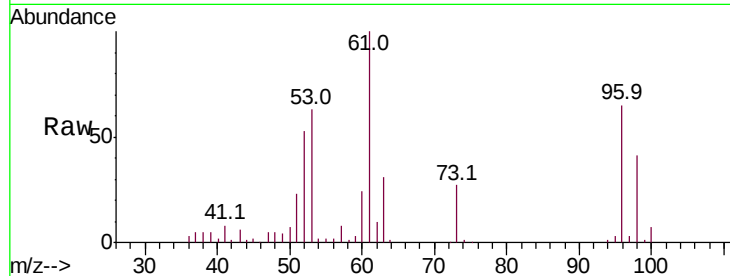
#21
trans-1,2-Dichloroethene
Concen: 16.569 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.8	132.1	198.1
98	63.9	52.2	78.2

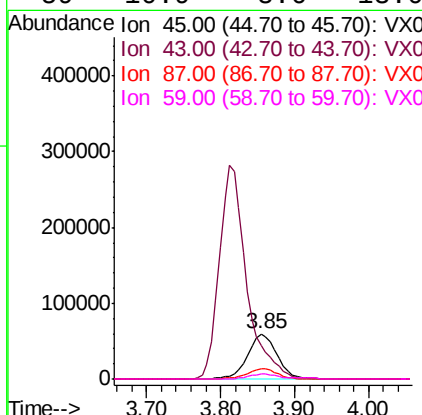
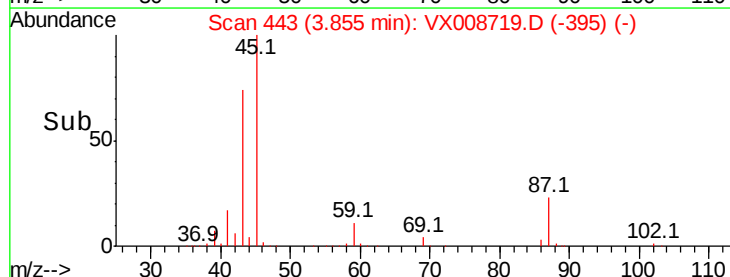
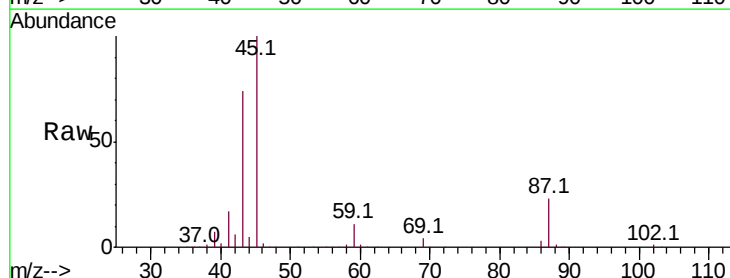
Manual Integrations
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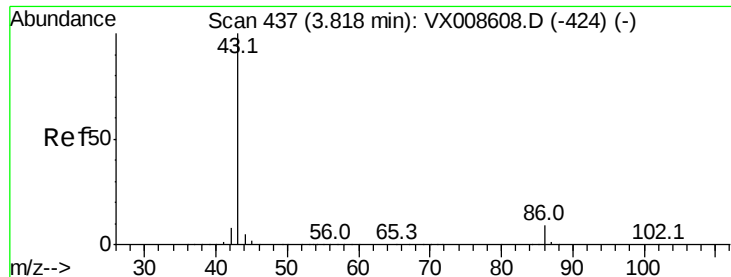
MMDadoda
4/9/2019 1:37:38 PM



#22
Diisopropyl ether
Concen: 17.671 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.01 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.5	51.3	76.9
87	23.3	18.1	27.1
59	10.9	8.6	13.0





#23

Vinyl Acetate

Concen: 89.033 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion: 43 Resp: 720672

Ion Ratio Lower Upper

43 100

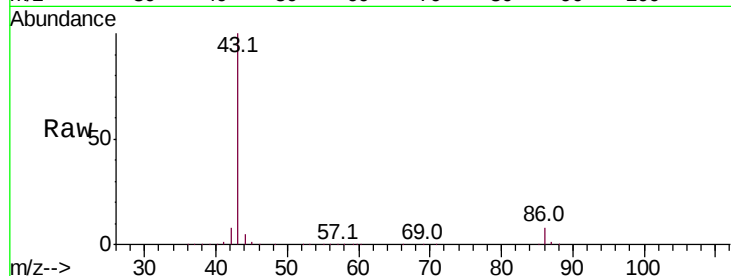
86 8.4 7.0 10.6

Manual Integrations

APPROVED

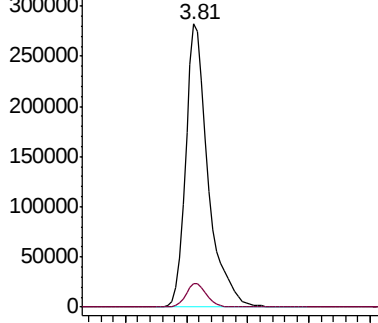
MMDadoda

4/9/2019 1:37:38 PM

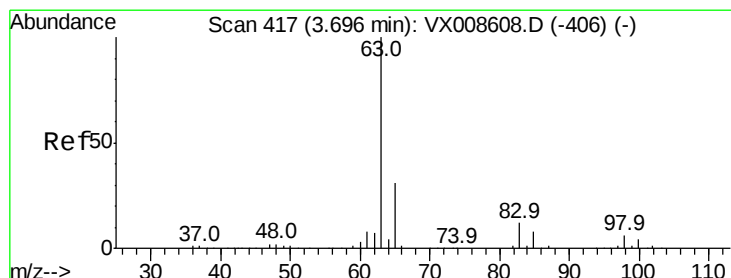
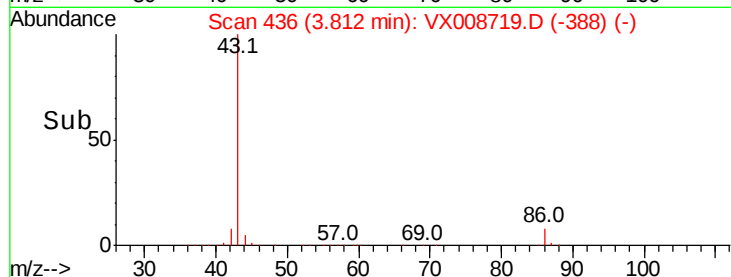


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 17.135 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

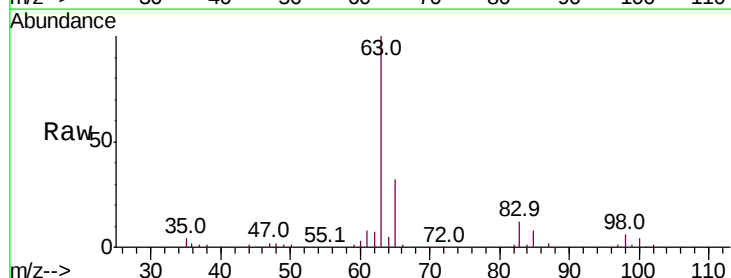
Tgt Ion: 63 Resp: 78938

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

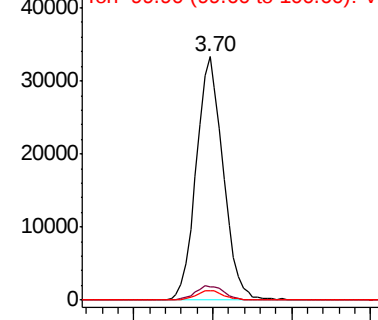
100 4.0 1.8 5.5



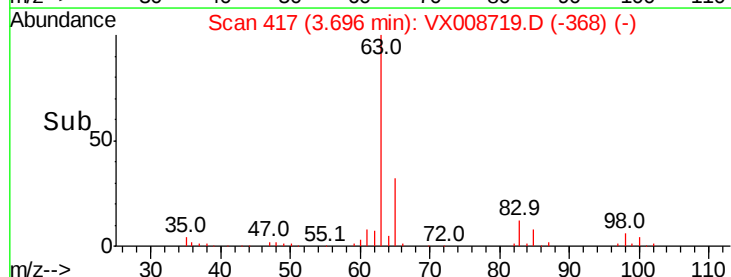
Abundance Ion 62.90 (62.60 to 63.60): VX0

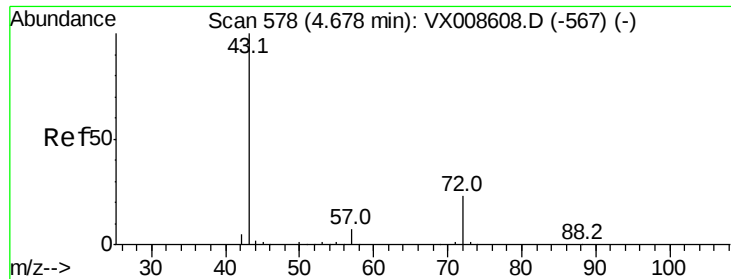
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 89.054 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion: 43 Resp: 215686

Ion Ratio Lower Upper

43 100

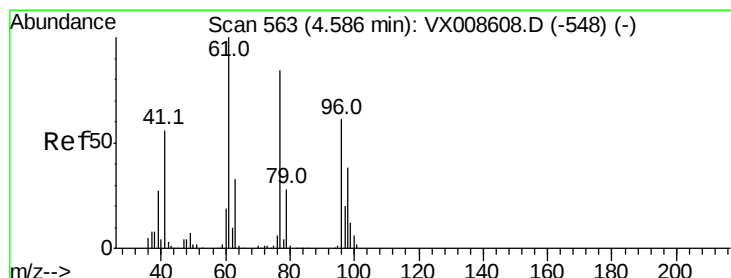
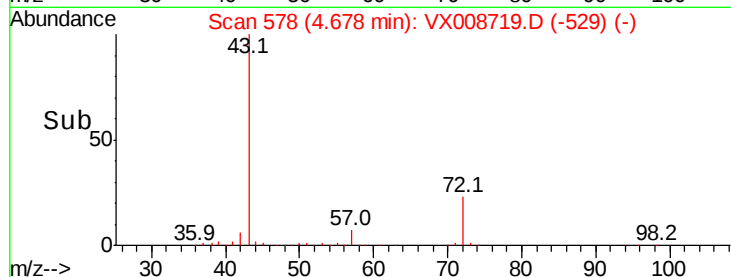
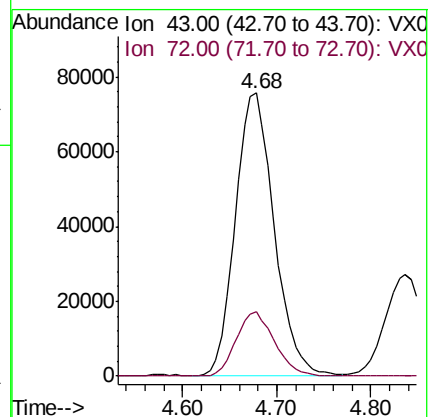
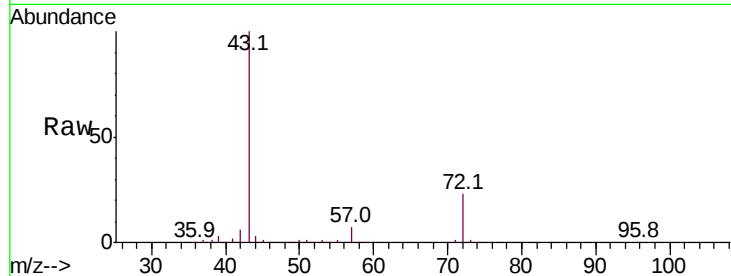
72 22.8 18.2 27.4

Manual Integrations

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4/9/2019 1:37:38 PM



#26

2,2-Dichloropropane

Concen: 16.554 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008719.D

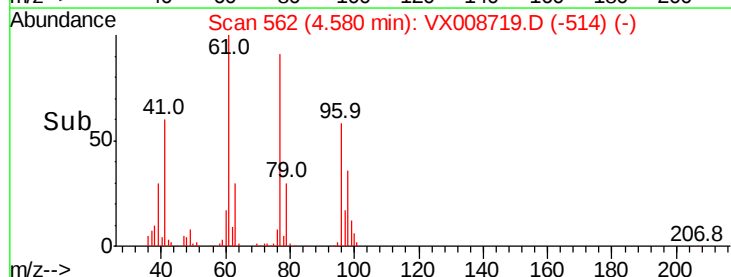
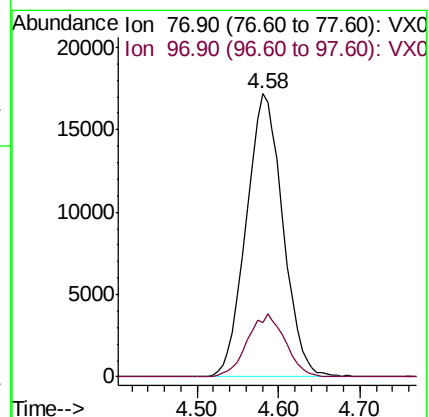
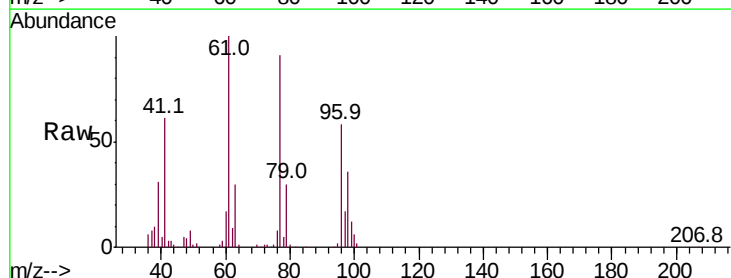
Acq: 06 Apr 2019 14:41

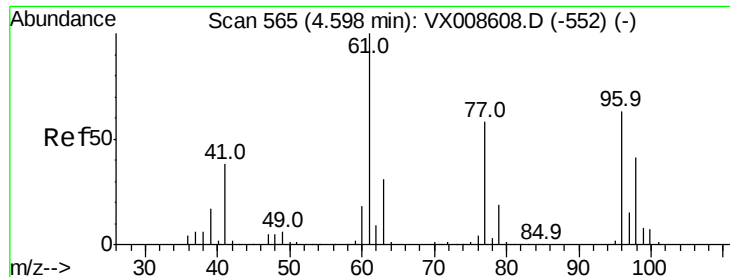
Tgt Ion: 77 Resp: 53714

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.5





#27

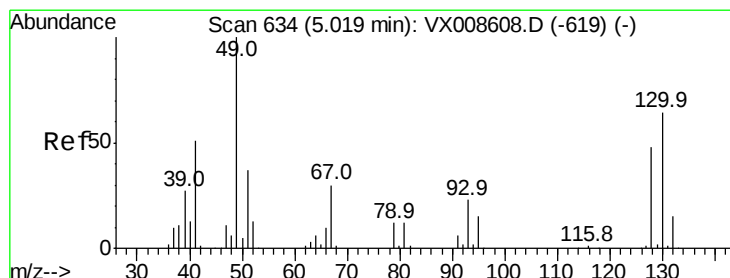
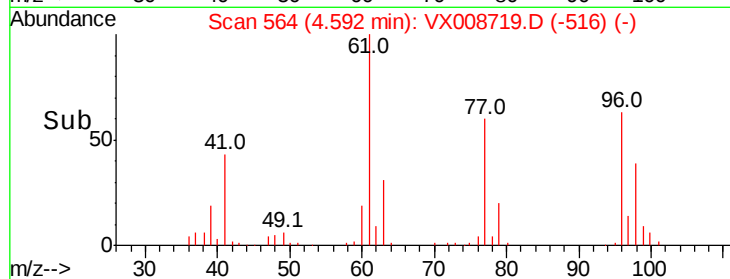
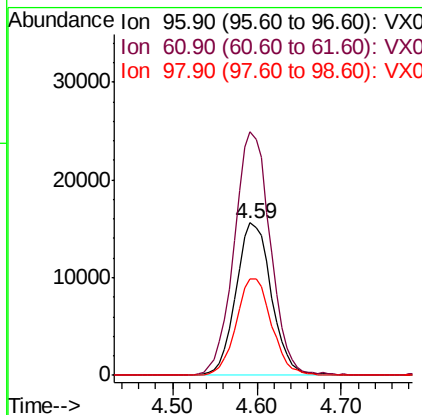
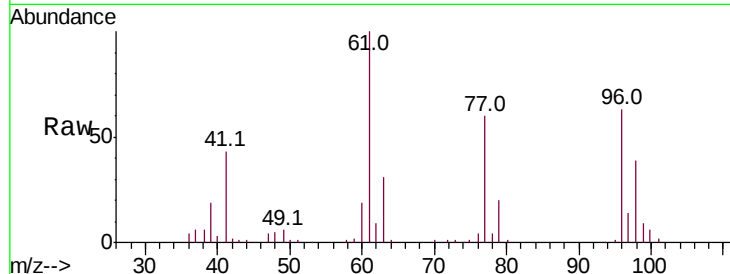
cis-1,2-Dichloroethene
 Concen: 16.888 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.4	0.0	327.6
98	63.4	0.0	128.6

Manual Integrations
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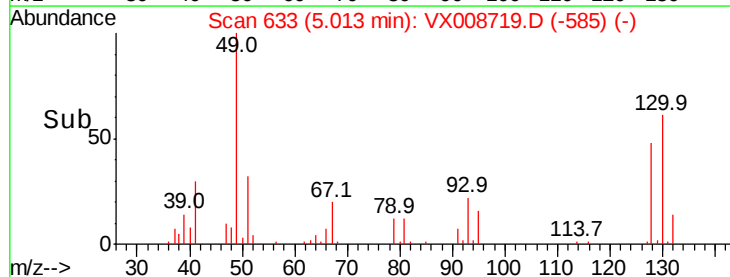
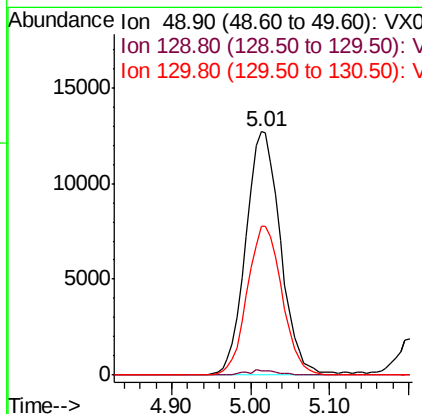
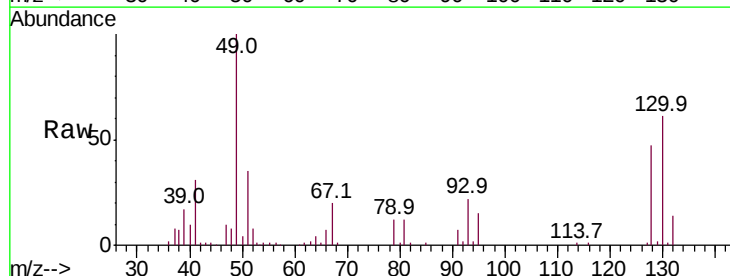
MMDadoda
 4/9/2019 1:37:38 PM

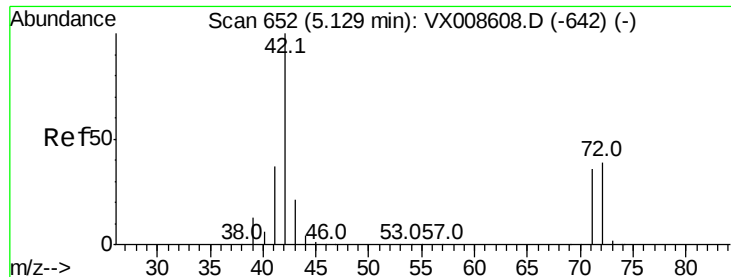


#28

Bromochloromethane
 Concen: 18.331 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	61.1	49.3	73.9





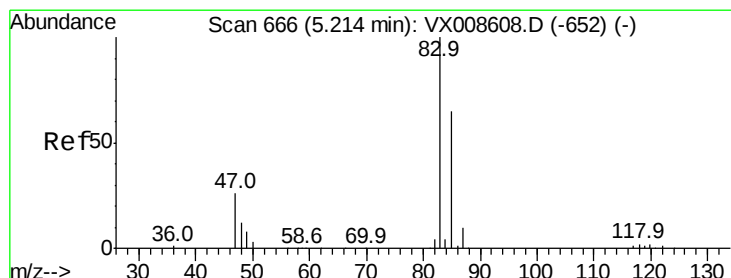
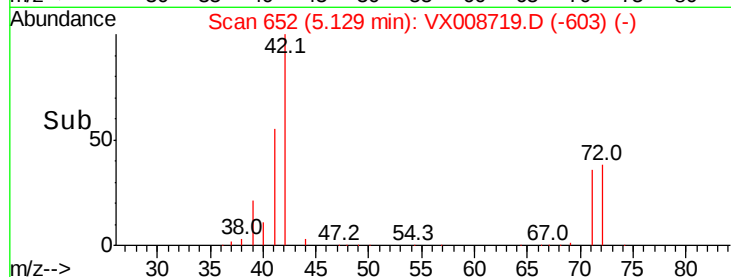
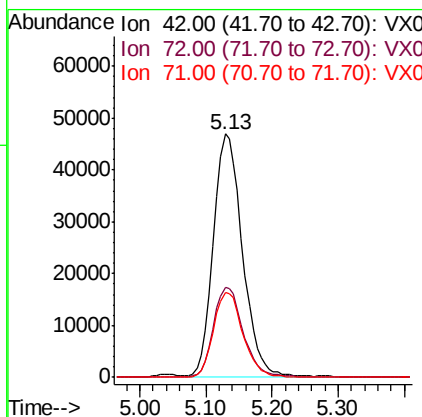
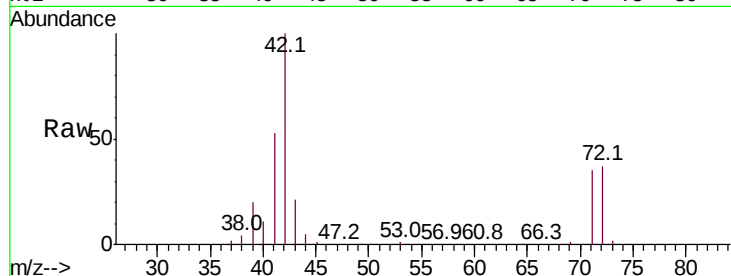
#29
Tetrahydrofuran
Concen: 88.509 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.5	45.7
71	35.5	28.6	43.0

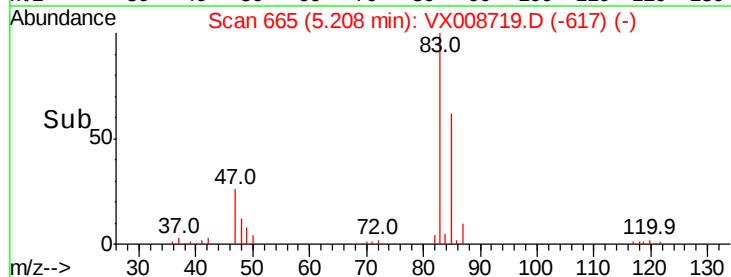
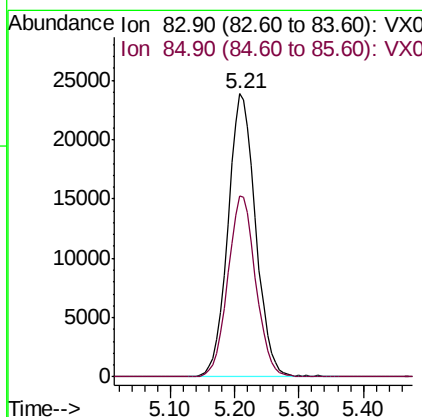
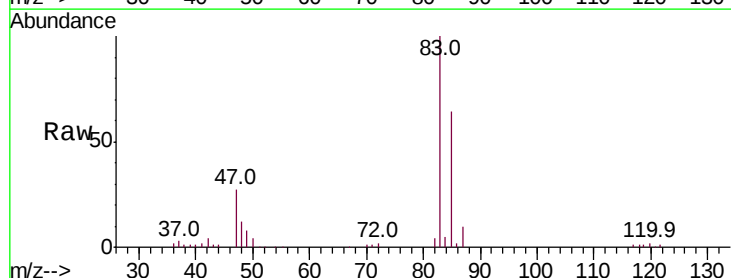
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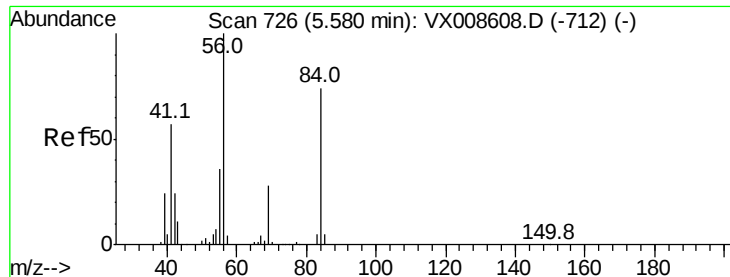
MMDadoda
4/9/2019 1:37:38 PM



#30
Chloroform
Concen: 17.410 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.1	78.1





#31

Cyclohexane

Concen: 16.764 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

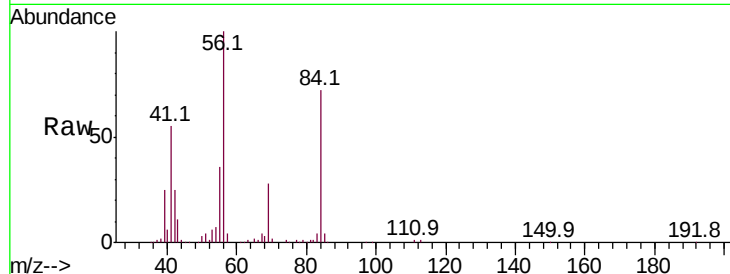
ClientSampleId :

VX0406WBSD01

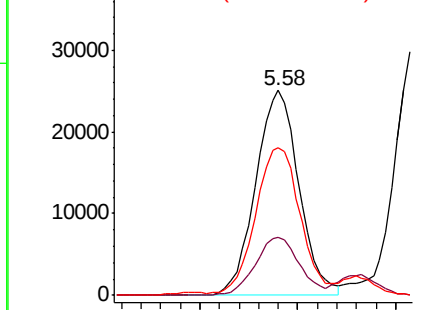
Tot Ion:	56	Resp:	77059
Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.6	33.8
84	70.5	59.3	88.9

Manual Integrations
APPROVED

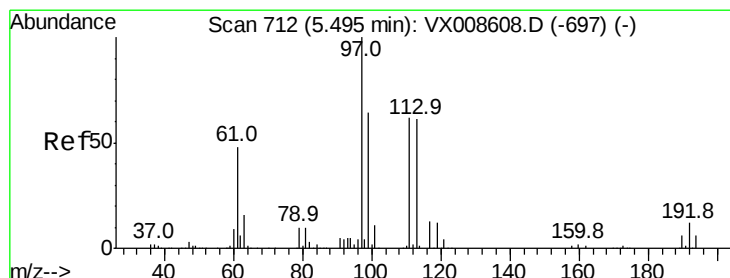
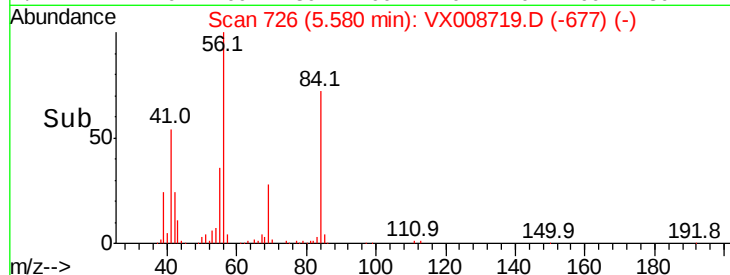
MMDadoda
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



Time-->



#32

1,1,1-Trichloroethane

Concen: 17.392 ug/l

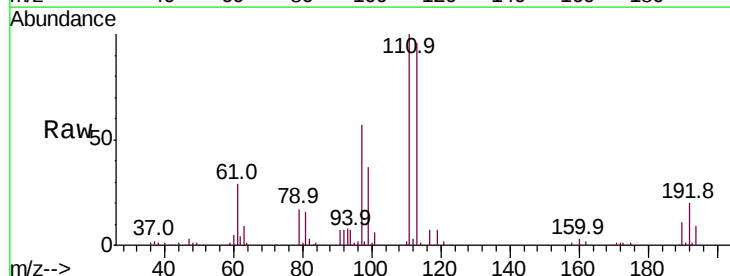
RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

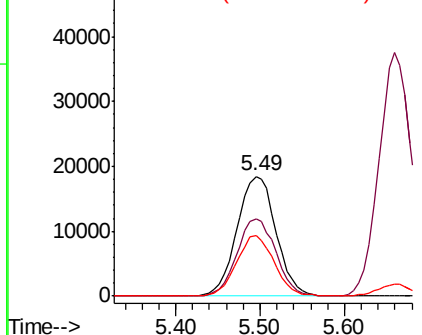
Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

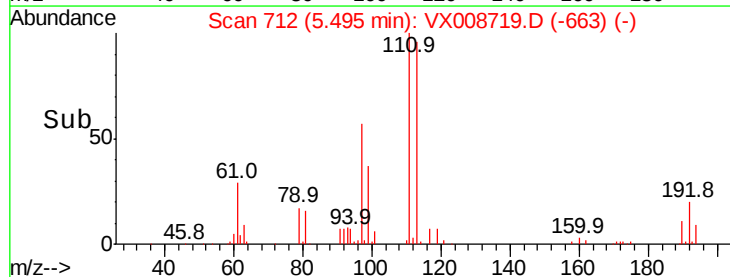
Tgt Ion:	97	Resp:	57830
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	49.2	38.9	58.3

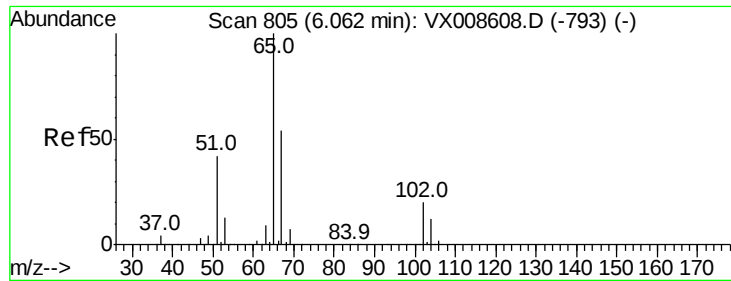


Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



Time-->





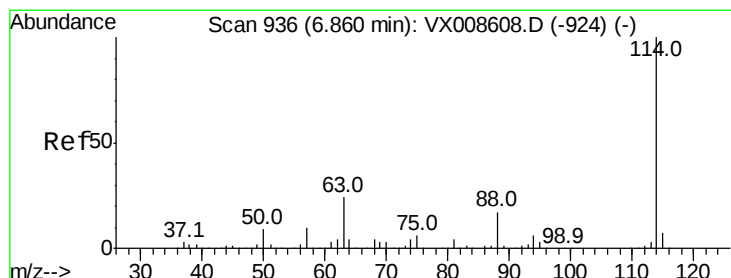
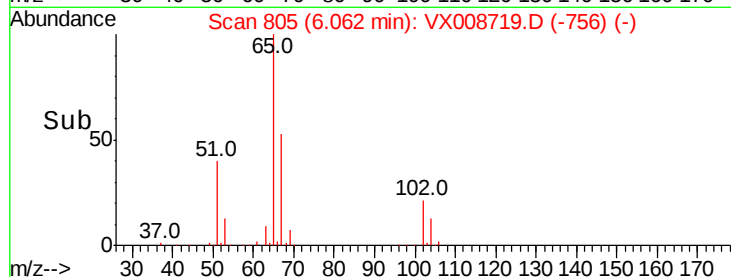
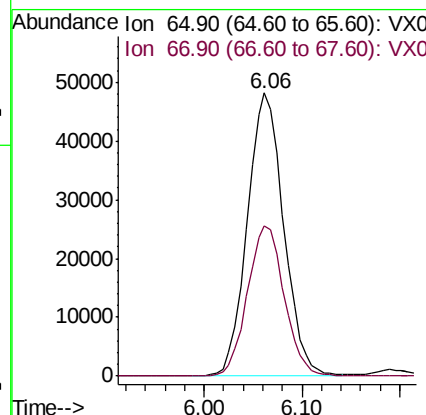
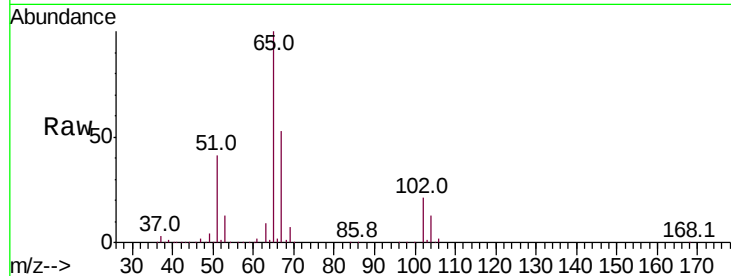
#33
 1,2-Dichloroethane-d4
 Concen: 46.637 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.2

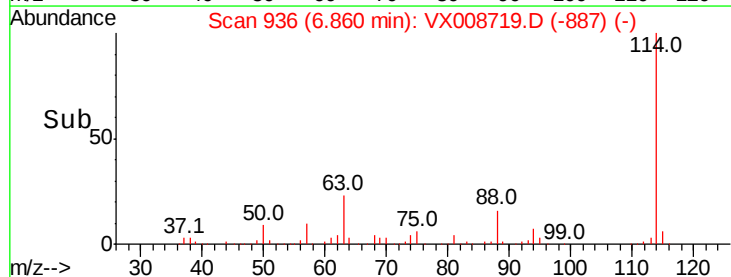
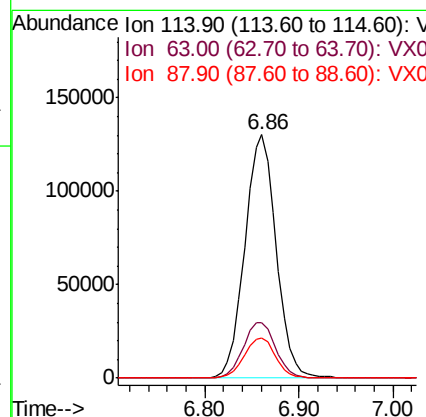
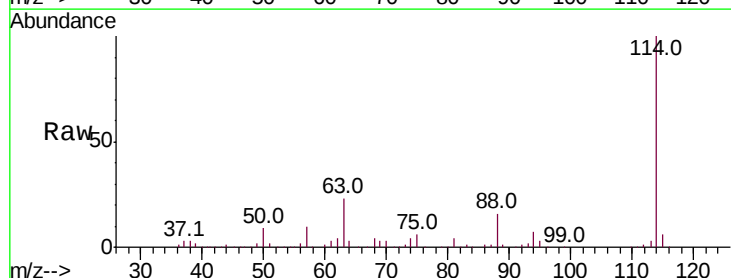
Manual Integrations
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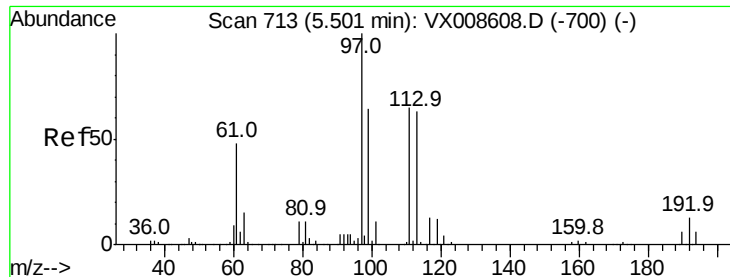
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	47.2
88	16.3	0.0	34.0





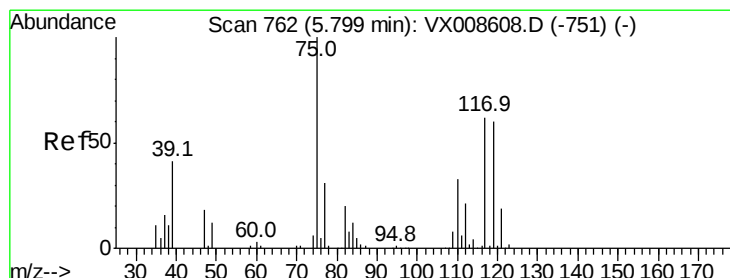
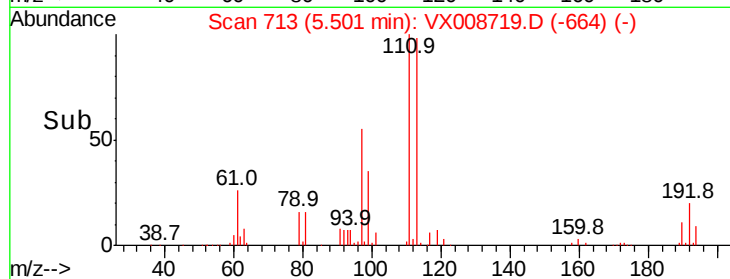
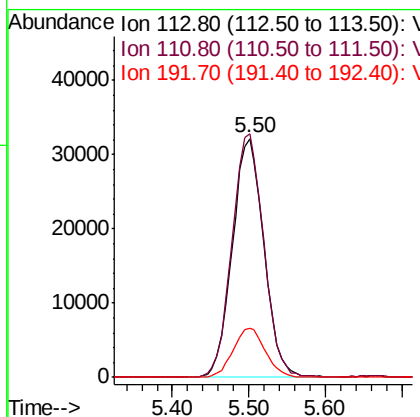
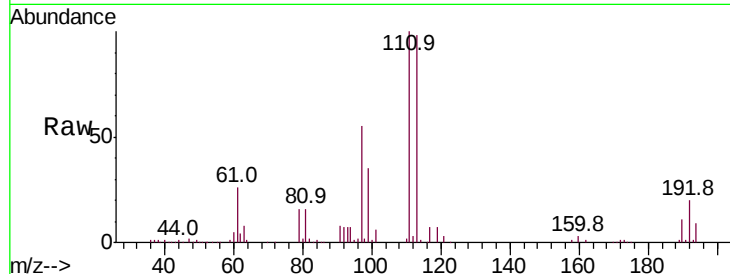
#35
 Dibromofluoromethane
 Concen: 47.466 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	83.4	125.2	
192	21.0	16.1	24.1	

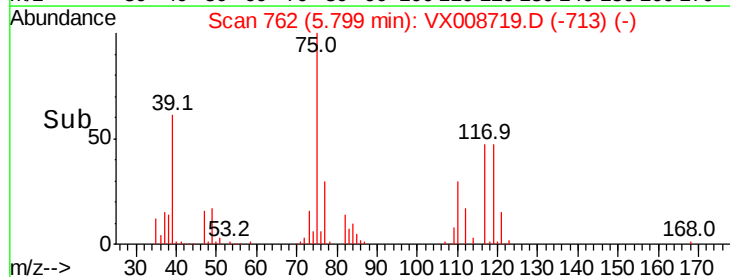
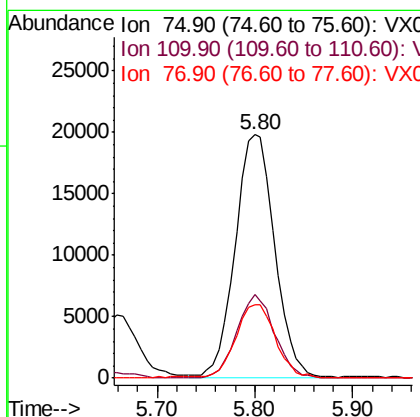
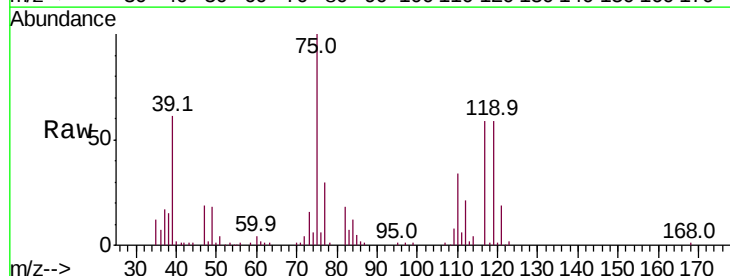
Manual Integrations
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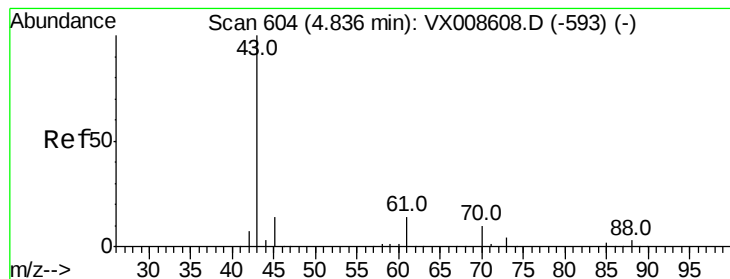
MMDadoda
 4/9/2019 1:37:38 PM



#36
 1,1-Dichloropropene
 Concen: 16.679 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.0	16.4	49.2	
77	30.9	24.7	37.1	





#37

Ethyl Acetate

Concen: 18.511 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

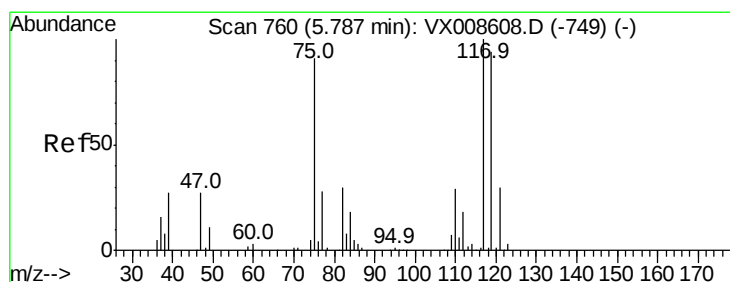
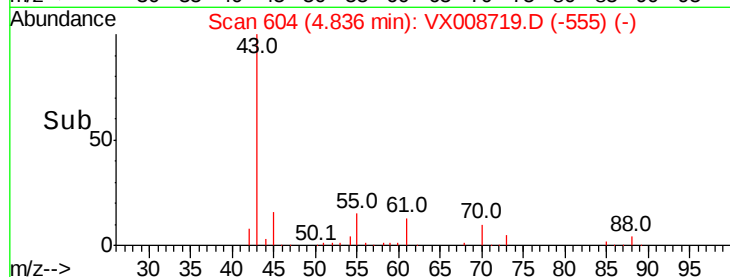
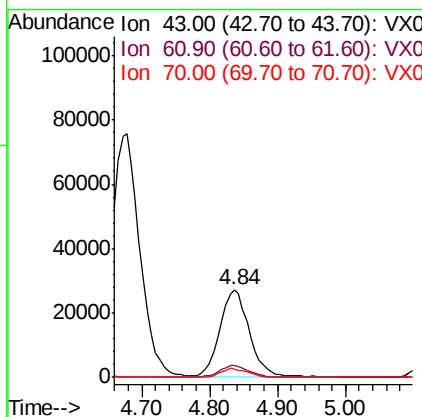
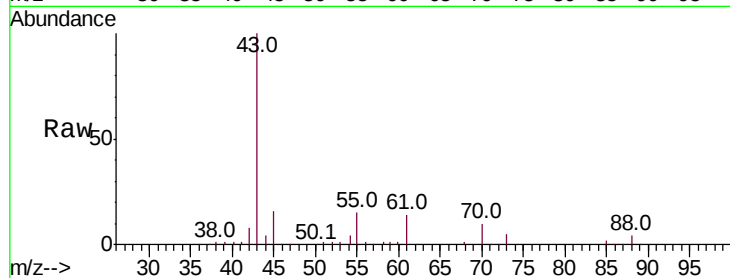
ClientSampleId :

VX0406WBSD01

Tot Ion:	43	Resp:	81821
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.3	15.5
70	9.5	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 17.252 ug/l

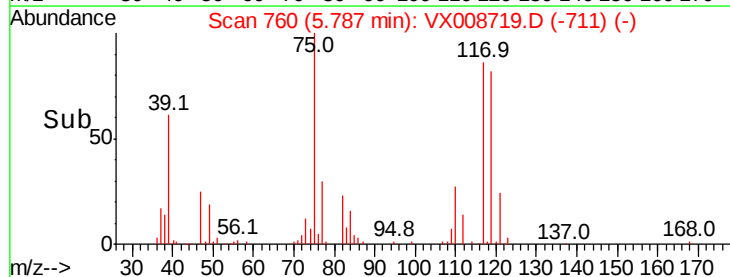
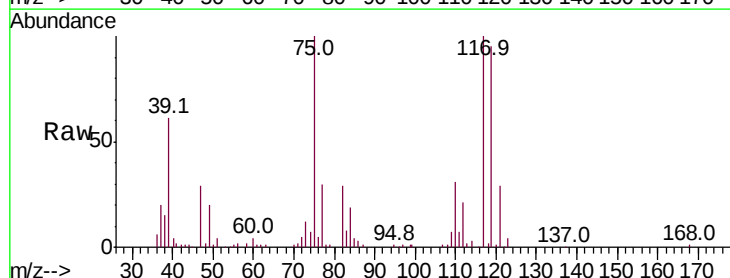
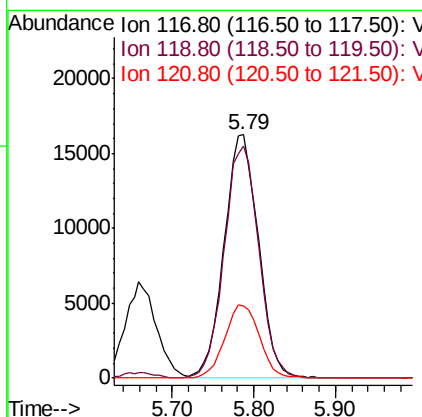
RT: 5.79 min Scan# 760

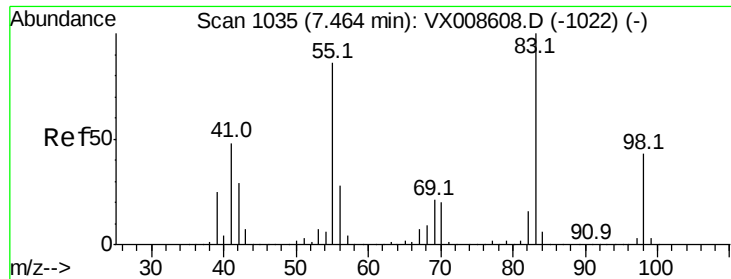
Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Tgt Ion:	117	Resp:	47283
Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.0	112.6
121	29.4	24.3	36.5





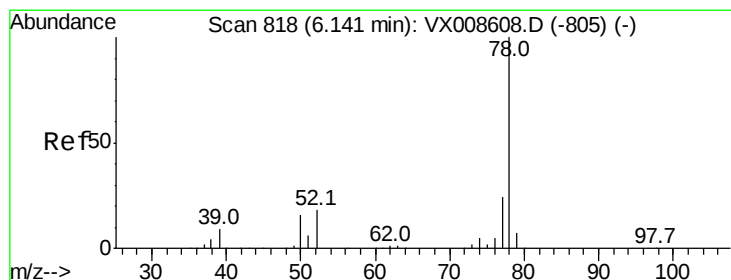
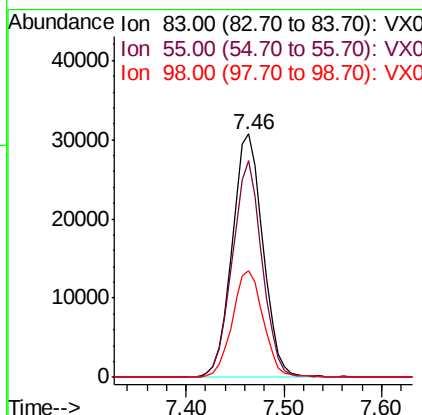
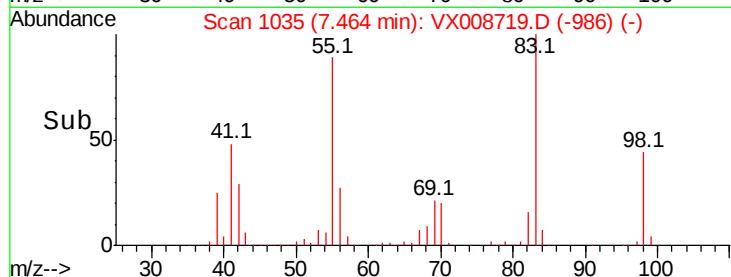
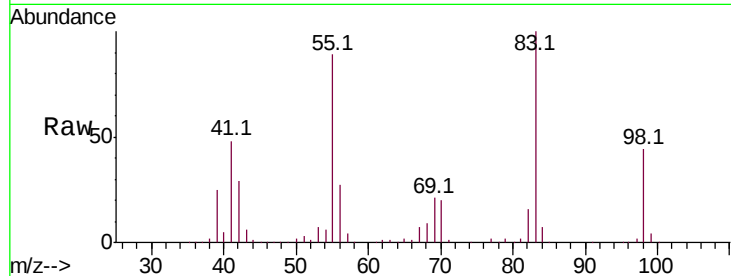
#39
Methvlcvclohexane
Concen: 16.431 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.6	69.0	103.6
98	43.7	34.4	51.6

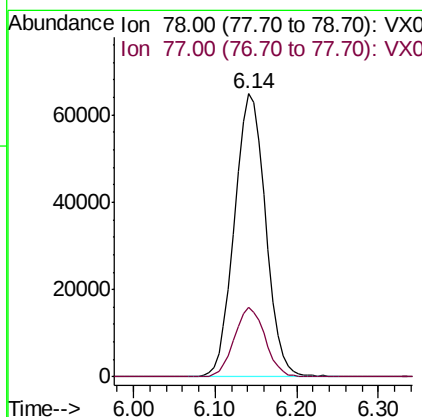
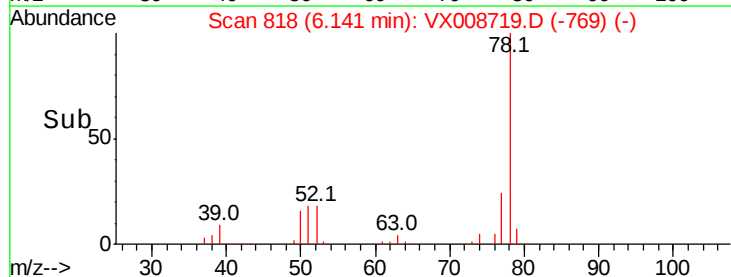
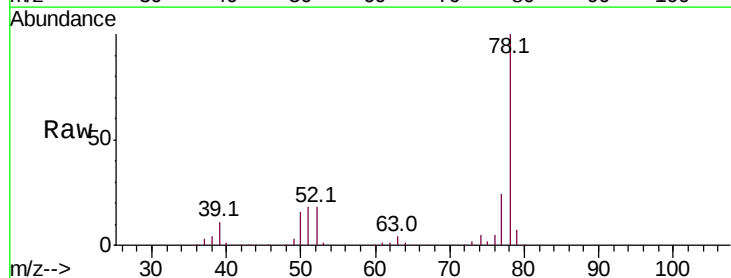
Manual Integrations
APPROVED

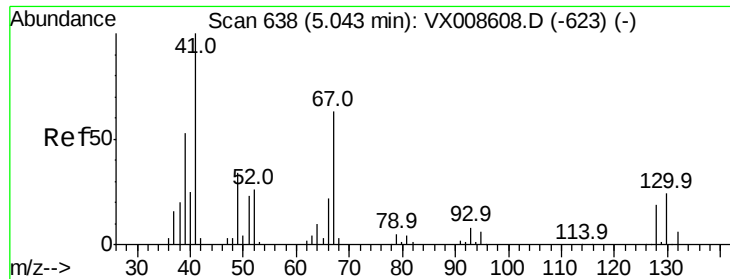
MMDadoda
4/9/2019 1:37:38 PM



#40
Benzene
Concen: 17.387 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7





#41

Methacrylonitrile

Concen: 17.933 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion: 41 Resp: 45563

Ion Ratio Lower Upper

41 100

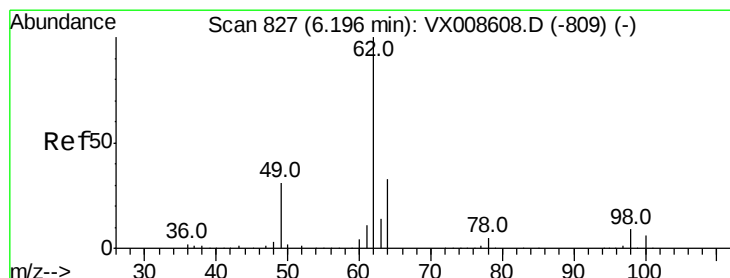
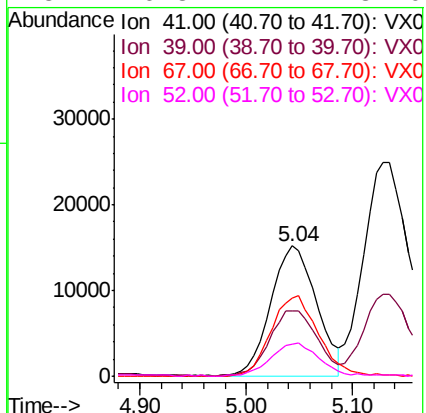
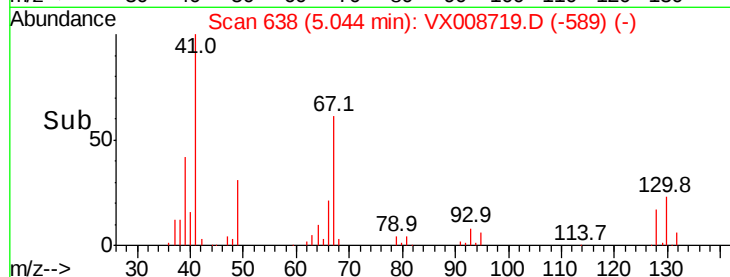
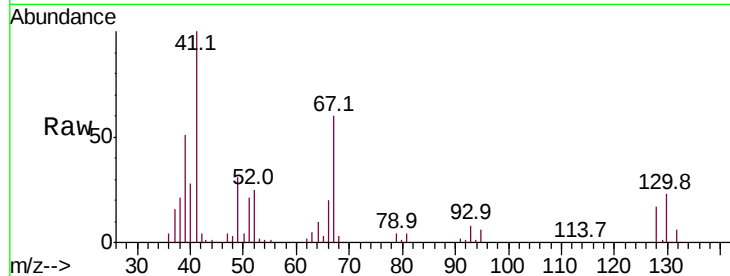
39 51.3 42.1 63.1

67 63.8 51.0 76.6

52 26.8 21.4 32.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 17.461 ug/l

RT: 6.19 min Scan# 826

Delta R.T. -0.01 min

Lab File: VX008719.D

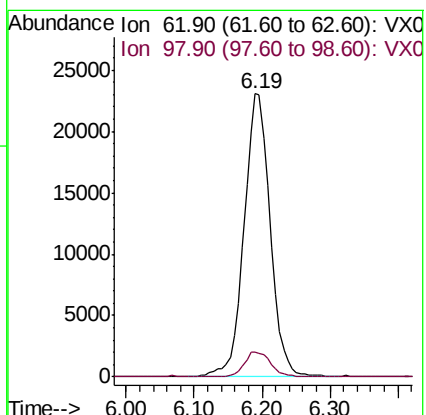
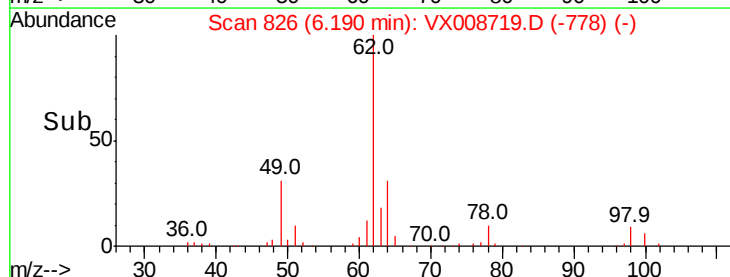
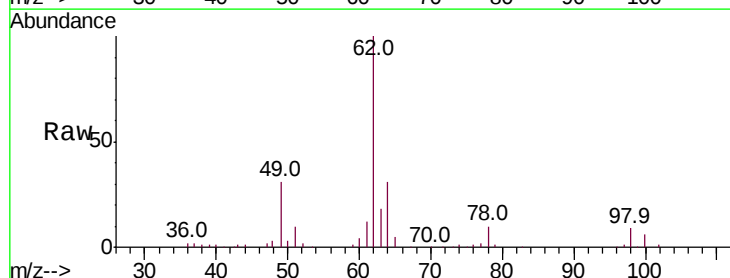
Acq: 06 Apr 2019 14:41

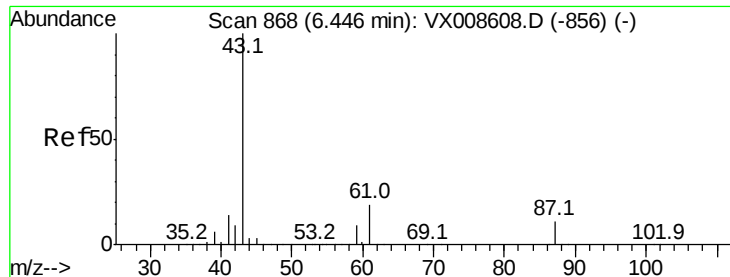
Tgt Ion: 62 Resp: 61752

Ion Ratio Lower Upper

62 100

98 8.9 0.0 18.0





#43

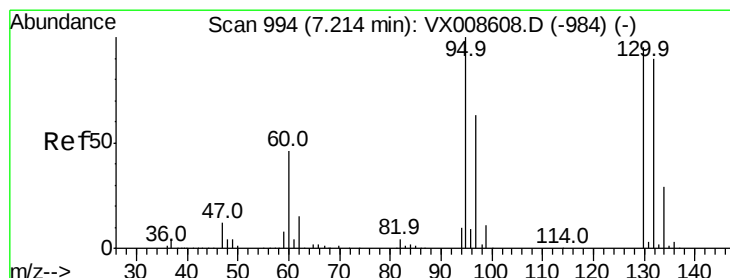
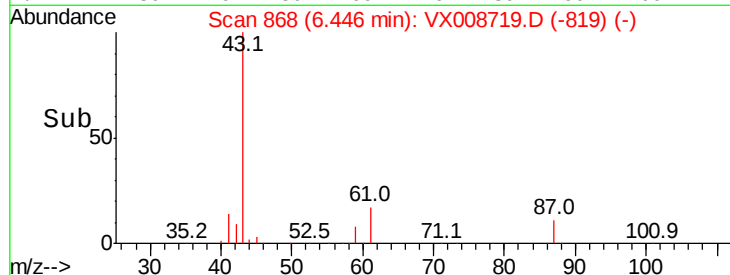
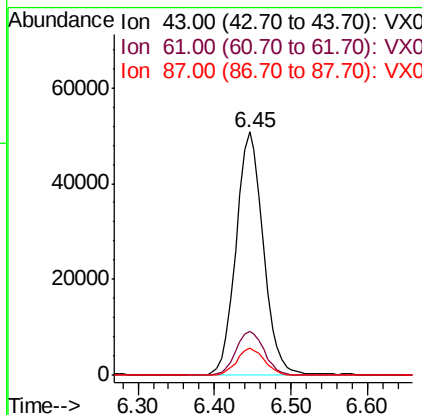
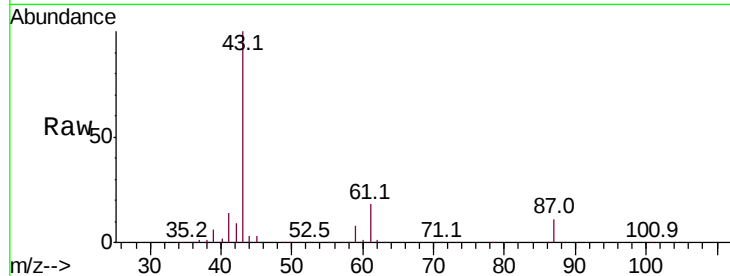
Isopropyl Acetate
 Concen: 18.071 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.3	22.9
87	11.4	9.0	13.6

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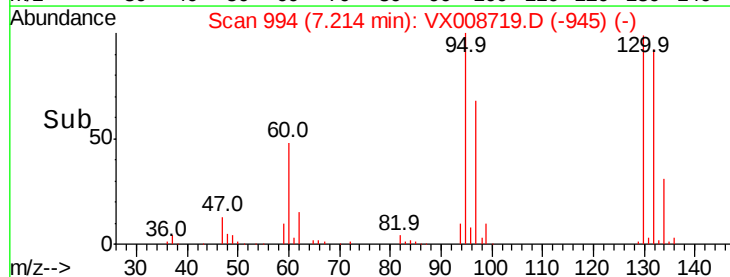
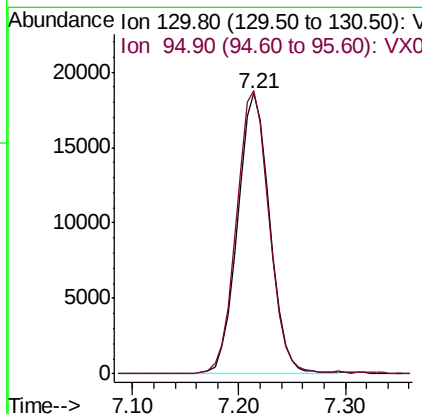
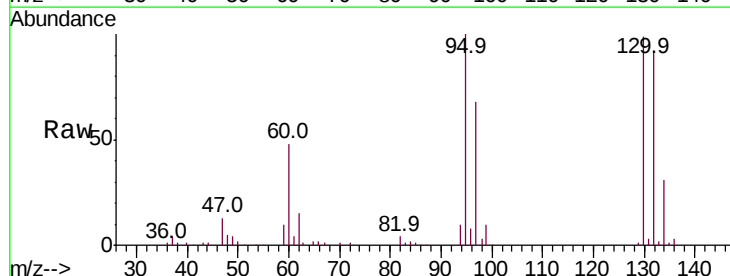
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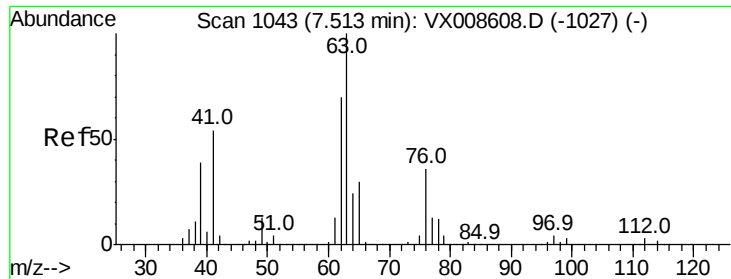


#44

Trichloroethene
 Concen: 17.219 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	209.8





#45

1,2-Dichloropropane

Concen: 17.419 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampled :

VX0406WBSD01

Tot Ion: 63 Resp: 49048

Ion Ratio Lower Upper

63 100

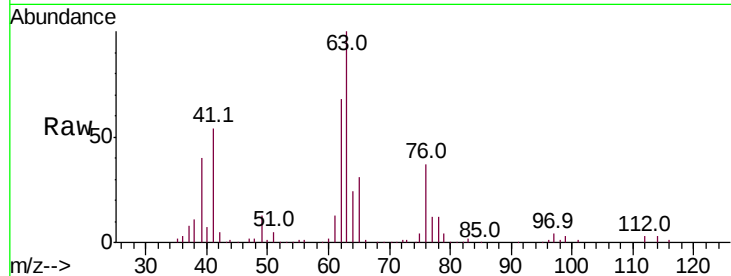
65 30.5 24.2 36.4

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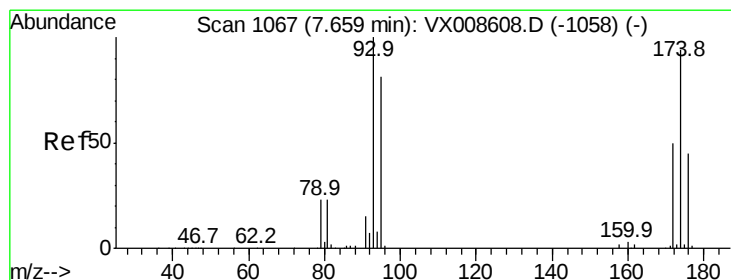
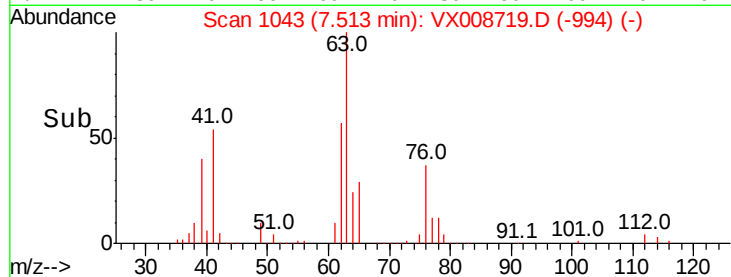
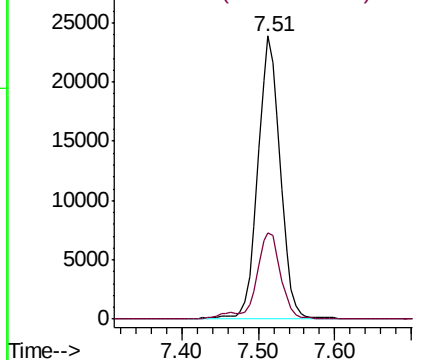
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 17.034 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

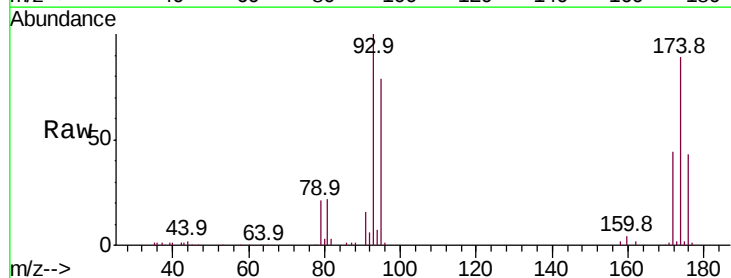
Tgt Ion: 93 Resp: 27818

Ion Ratio Lower Upper

93 100

95 81.3 66.6 99.8

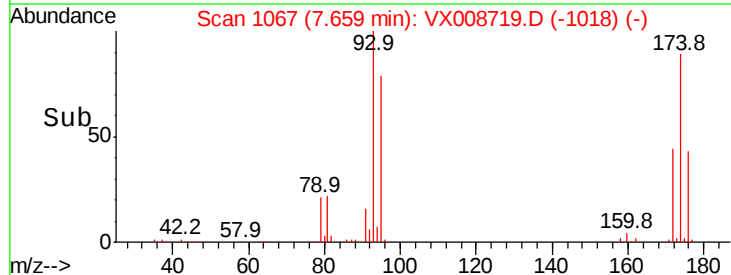
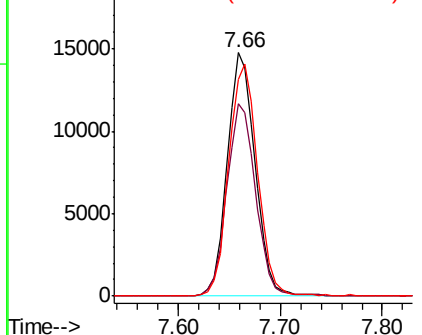
174 98.8 77.7 116.5

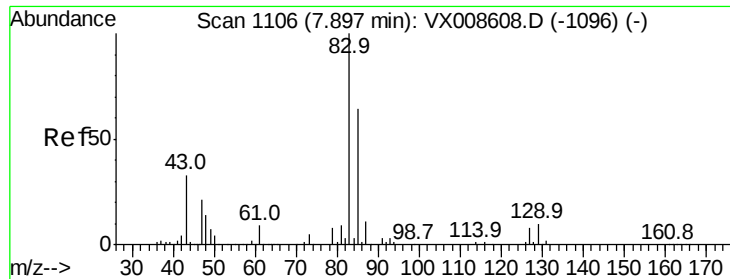


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





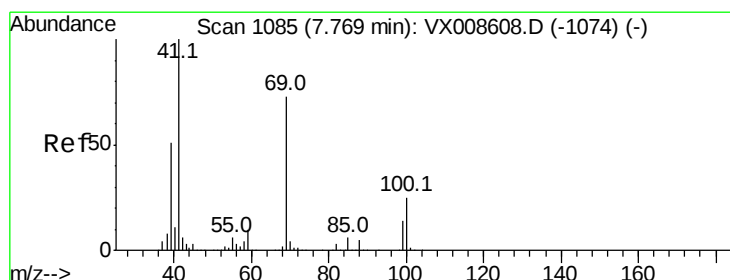
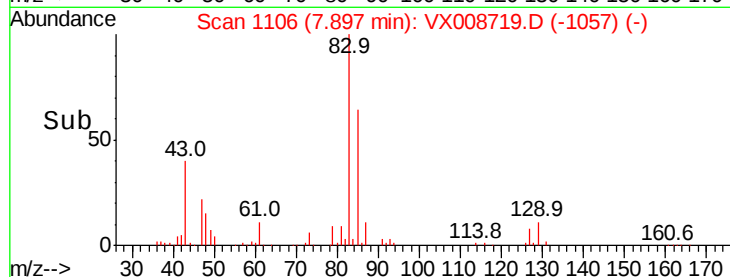
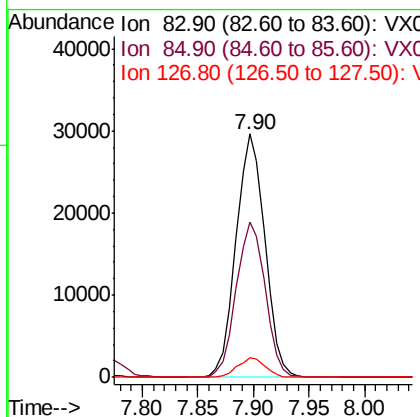
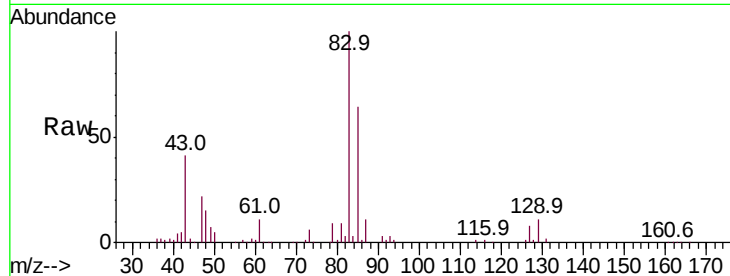
#47
Bromodichloromethane
Concen: 17.393 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	53557		
85	63.8		51.2	76.8
127	8.2		6.6	10.0

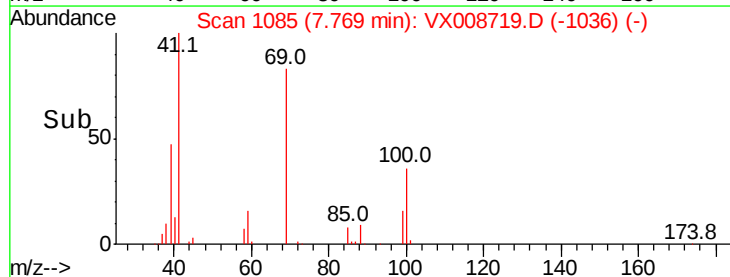
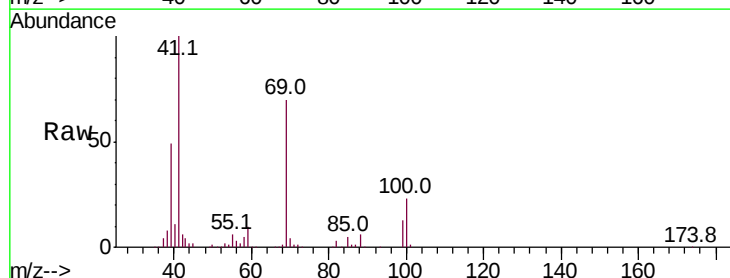
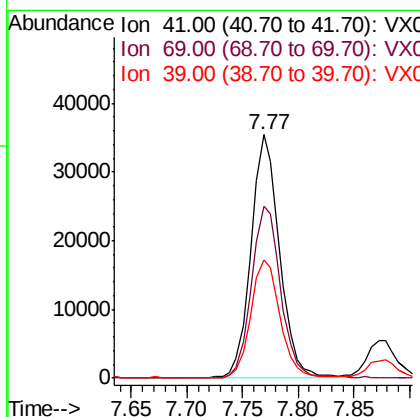
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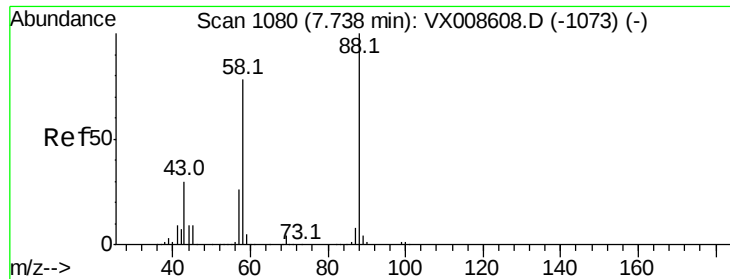
MMDadoda
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#48
Methyl methacrylate
Concen: 17.946 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	62856		
69	73.2		59.0	88.4
39	49.7		41.0	61.4





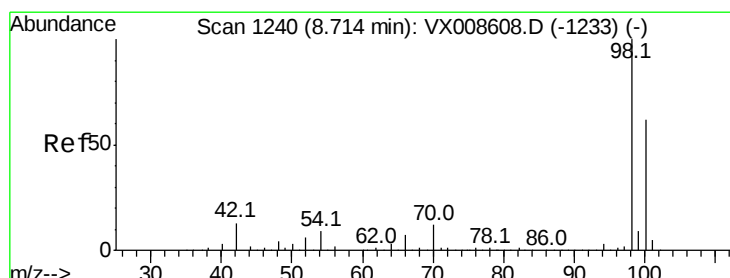
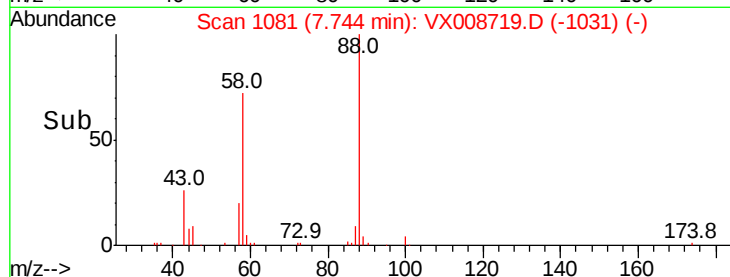
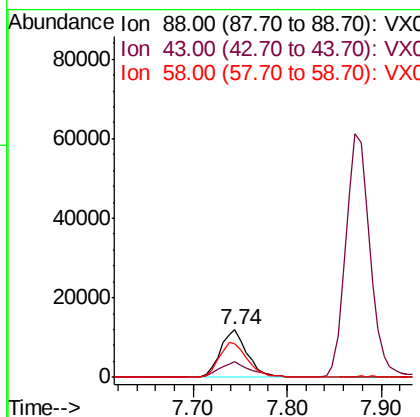
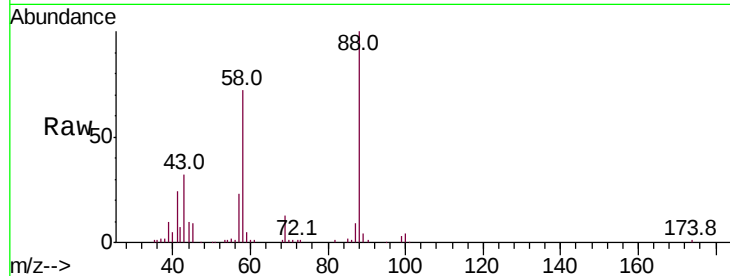
#49
1,4-Dioxane
Concen: 361.978 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	28.6	43.0
58	78.4	62.2	93.2

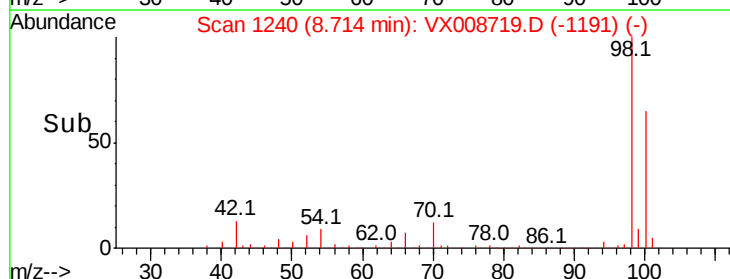
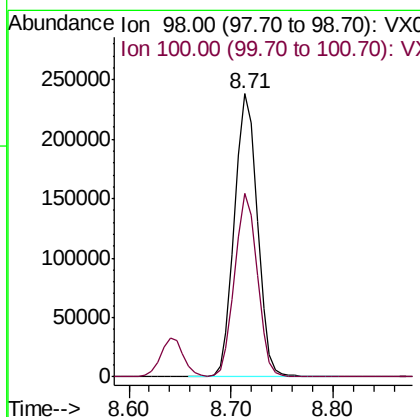
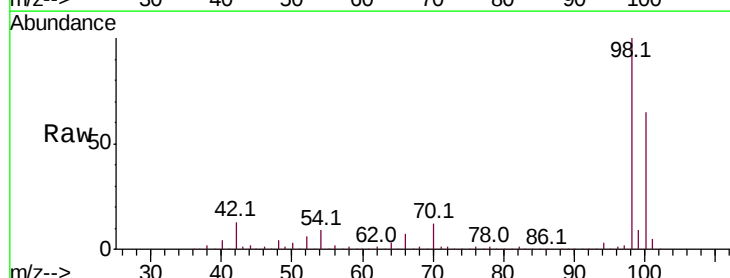
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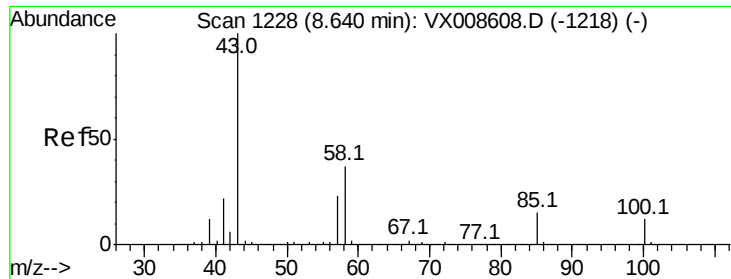
MMDadoda
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#50
Toluene-d8
Concen: 48.004 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0





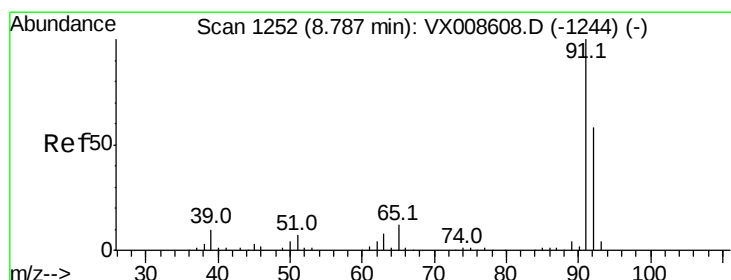
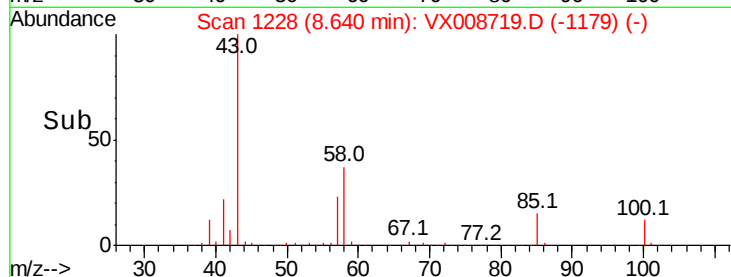
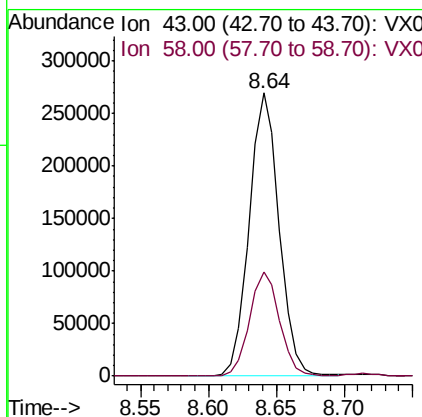
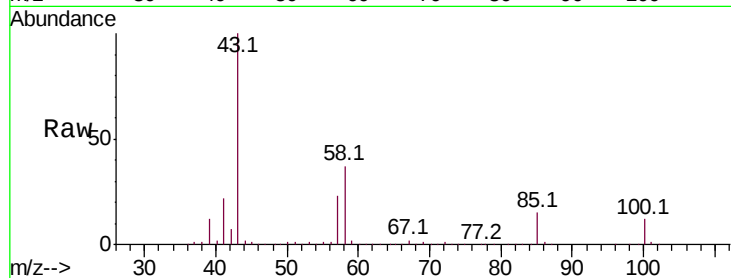
#51
4-Methyl-2-Pentanone
Concen: 93.396 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.5	44.3

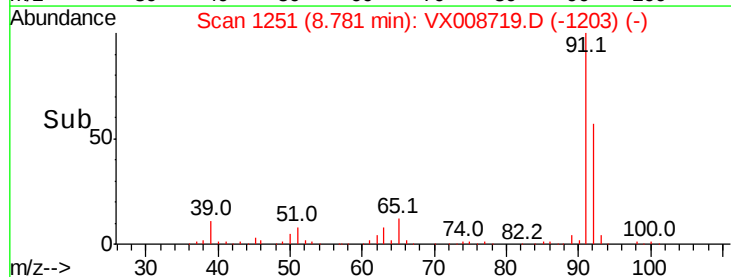
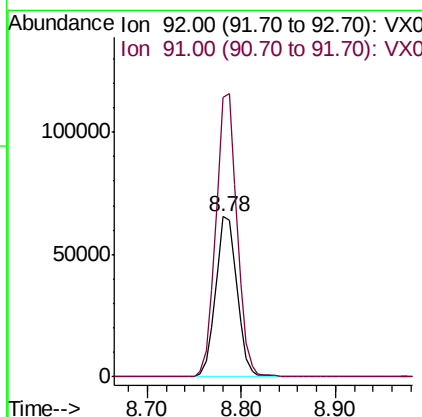
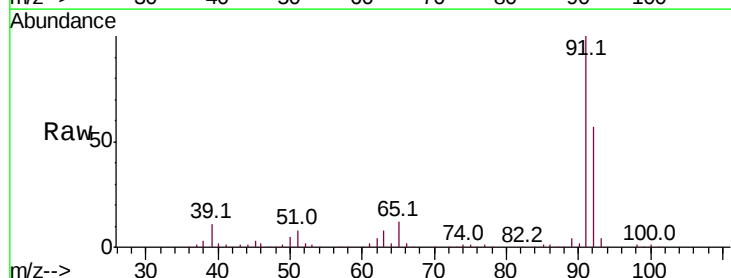
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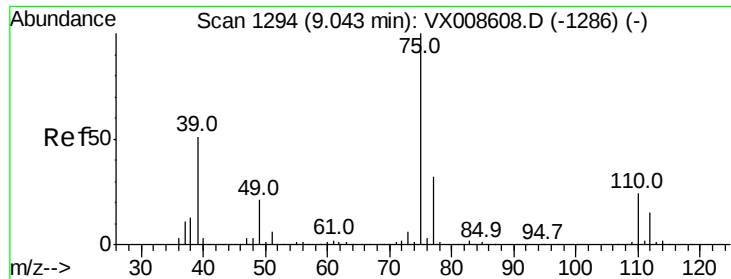
MMDadoda
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#52
Toluene
Concen: 17.847 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.8	138.5	207.7





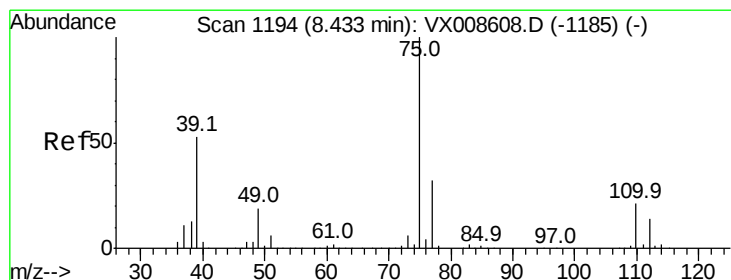
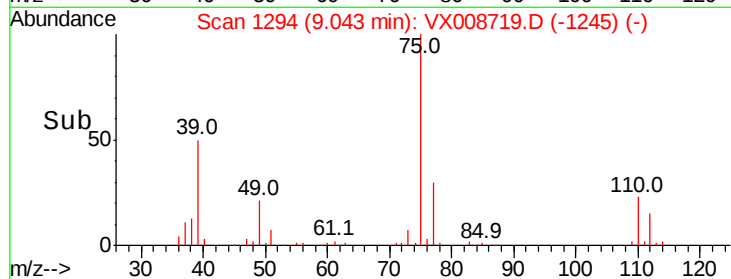
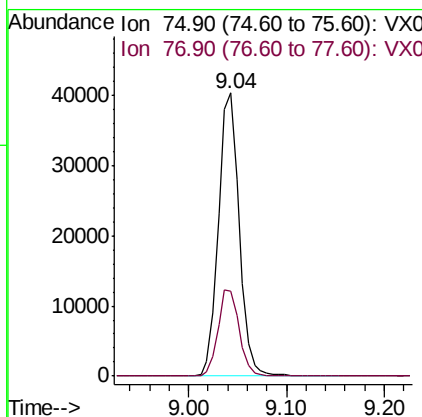
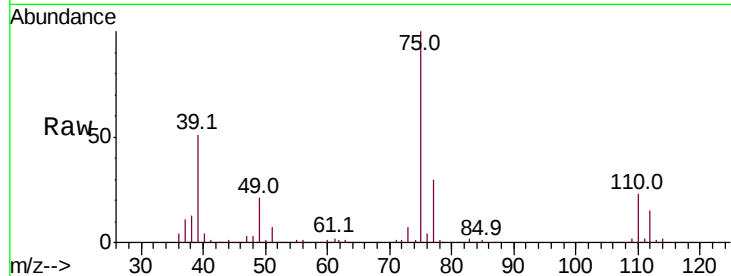
#53
 t-1,3-Dichloropropene
 Concen: 17.257 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBSD01

Tot Ion: 75 Resp: 59521
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.2 37.8

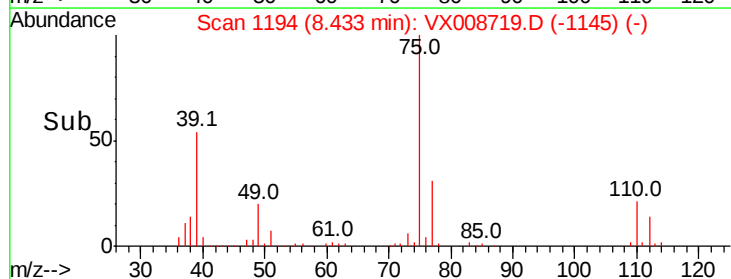
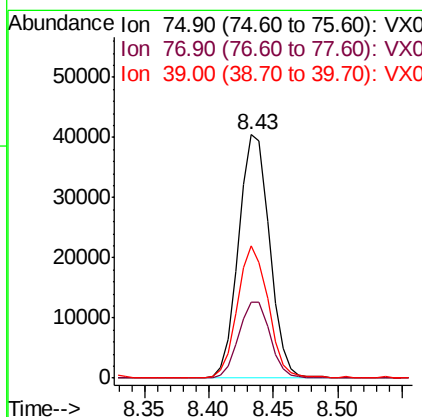
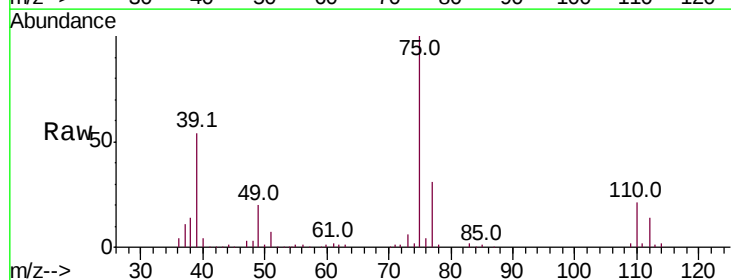
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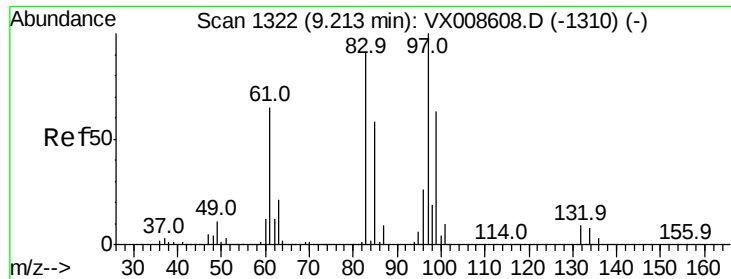
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#54
 cis-1,3-Dichloropropene
 Concen: 17.192 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Tgt Ion: 75 Resp: 67757
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.3 37.9
 39 54.0 42.6 63.8





#55

1,1,2-Trichloroethane

Concen: 17.703 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

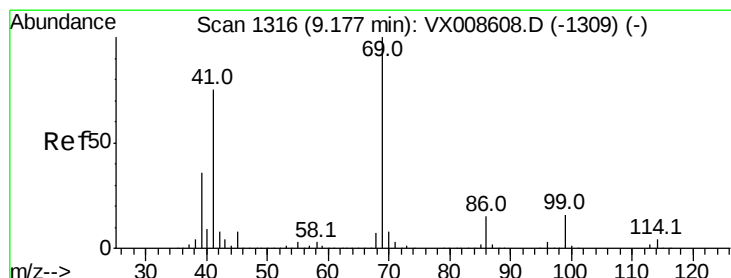
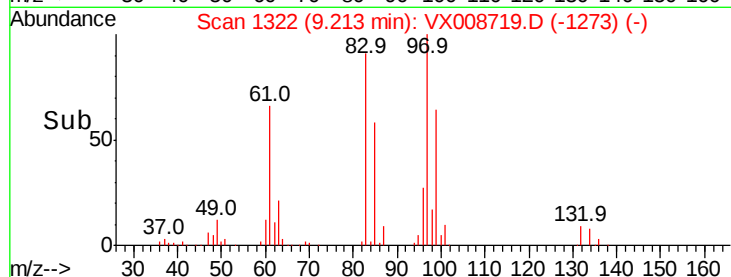
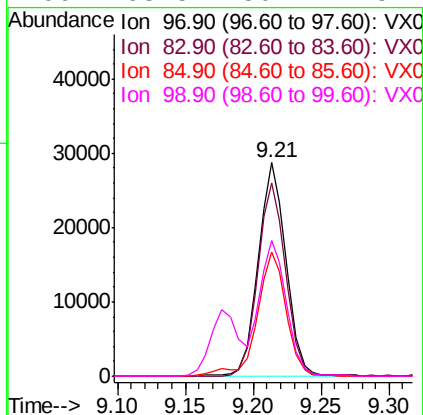
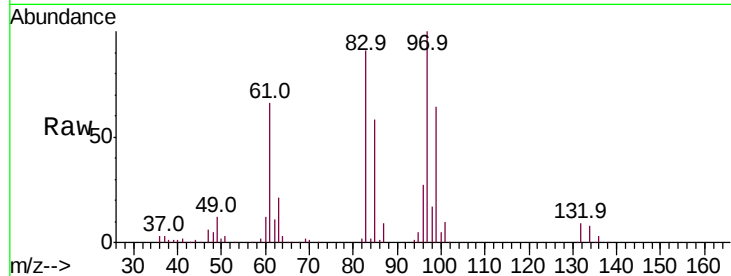
ClientSampleId :

VX0406WBSD01

Tot Ion:	97	Resp:	41330
Ion	Ratio	Lower	Upper
97	100		
83	90.7	73.2	109.8
85	58.0	46.6	69.8
99	63.5	50.1	75.1

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#56

Ethyl methacrylate

Concen: 18.436 ug/l

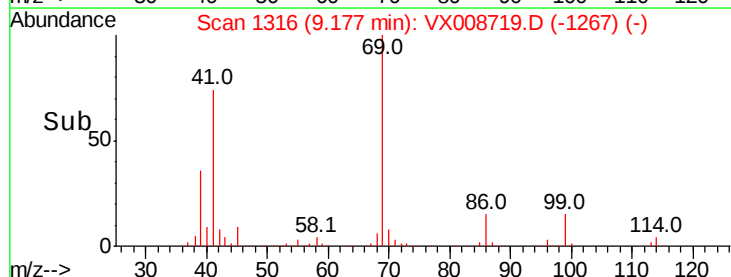
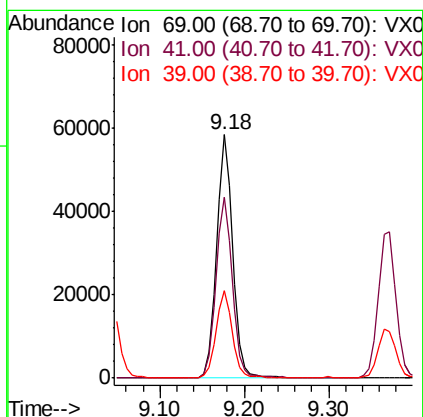
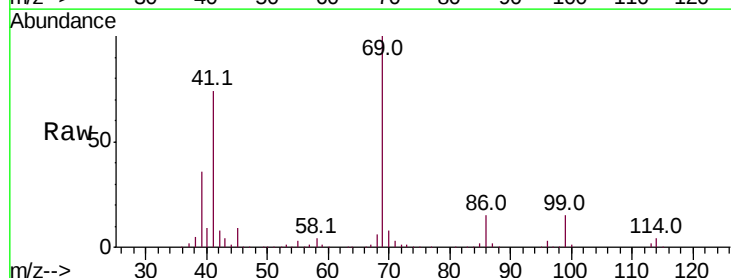
RT: 9.18 min Scan# 1316

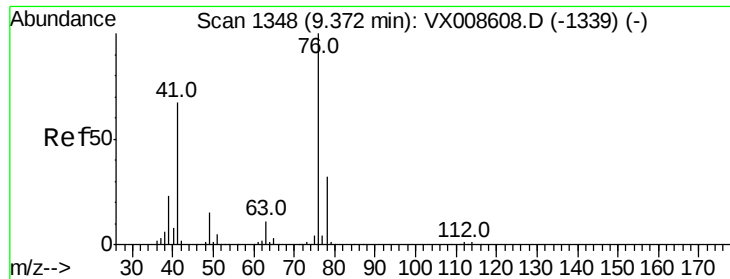
Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Tgt Ion:	69	Resp:	77873
Ion	Ratio	Lower	Upper
69	100		
41	75.3	60.1	90.1
39	35.6	28.9	43.3





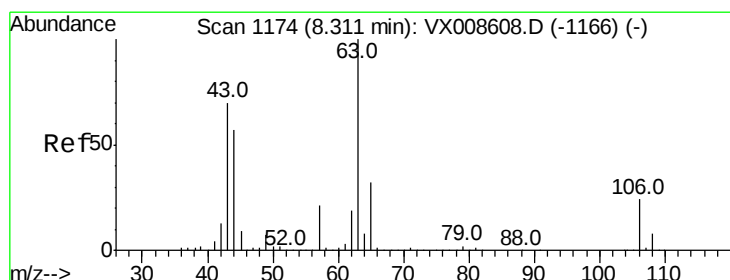
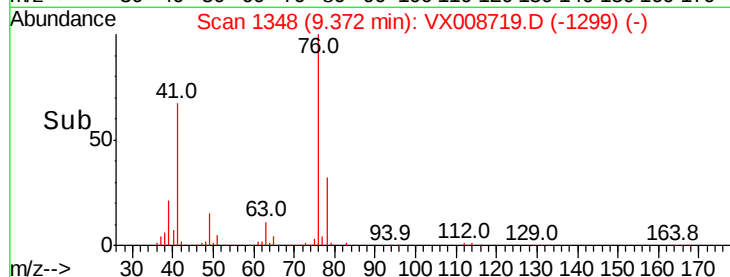
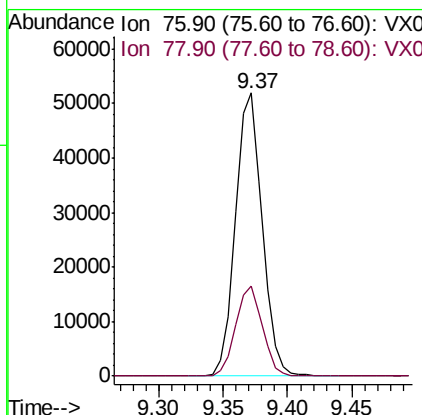
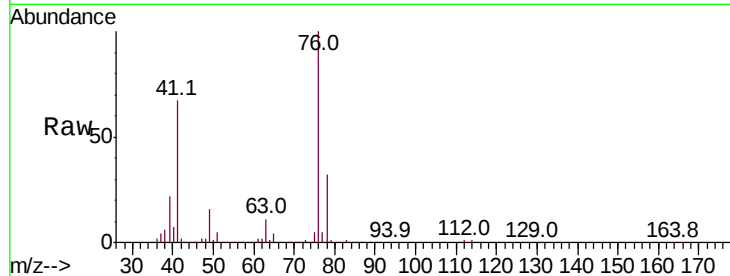
#57
 1,3-Dichloropropane
 Concen: 17.903 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBSD01

Tot Ion: 76 Resp: 75053
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4

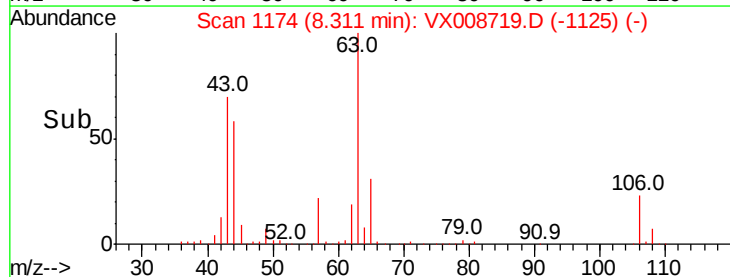
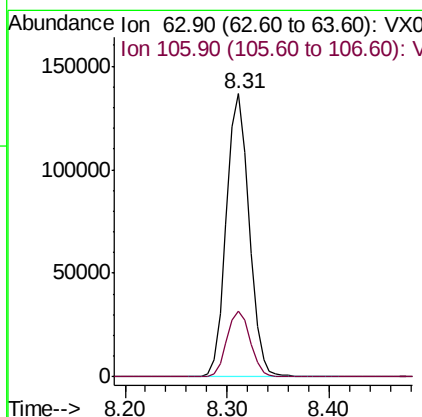
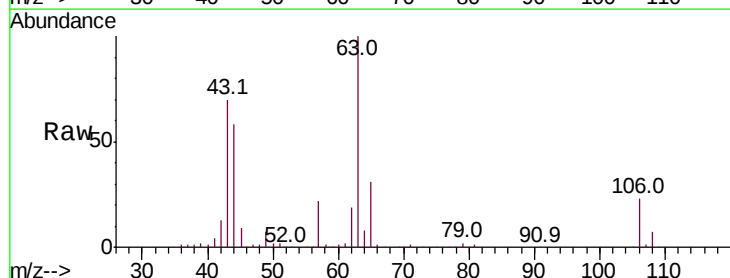
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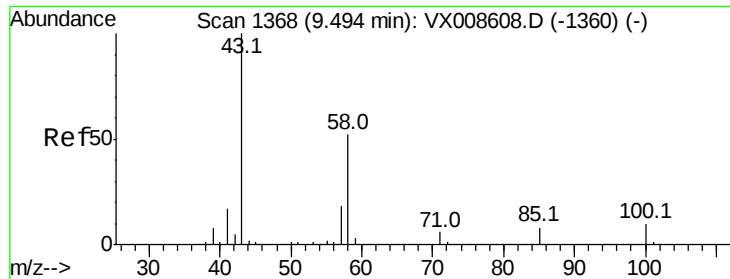
MMDadoda
 4/9/2019 1:37:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.558 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Tgt Ion: 63 Resp: 212576
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.0 28.6





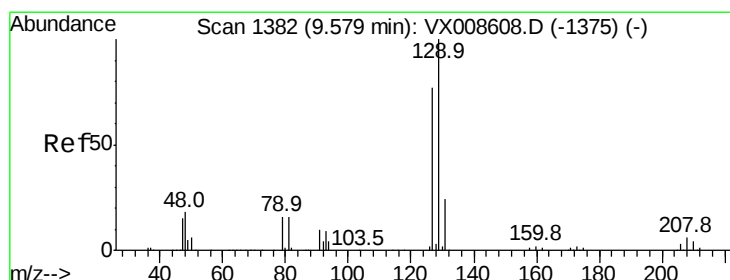
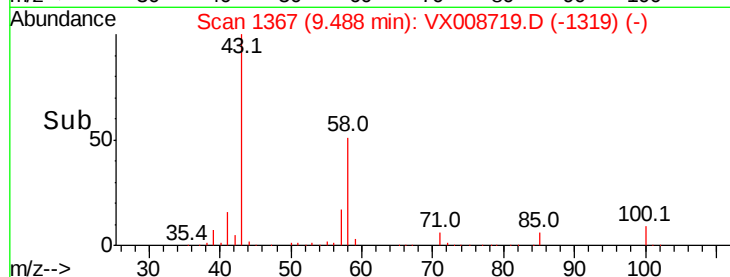
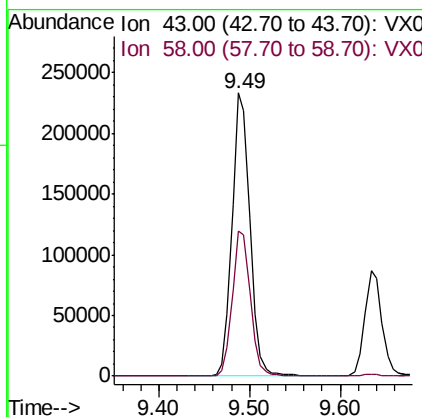
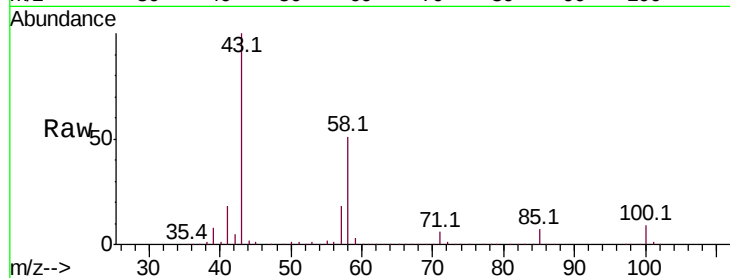
#59
2-Hexanone
Concen: 91.887 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion: 43 Resp: 318291
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.7

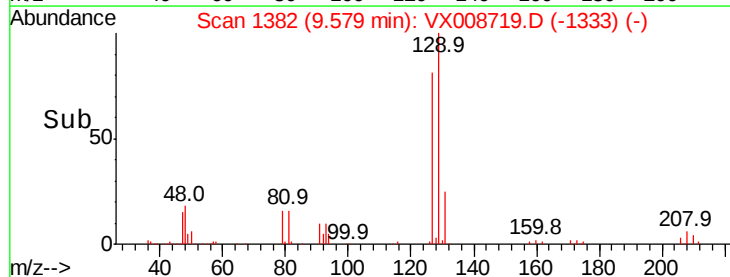
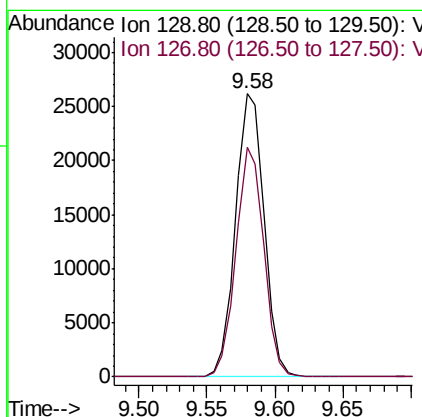
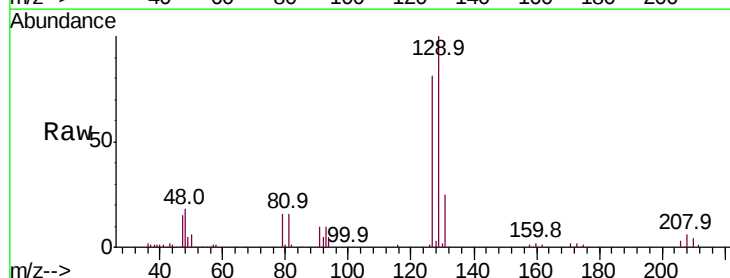
Manual Integrations
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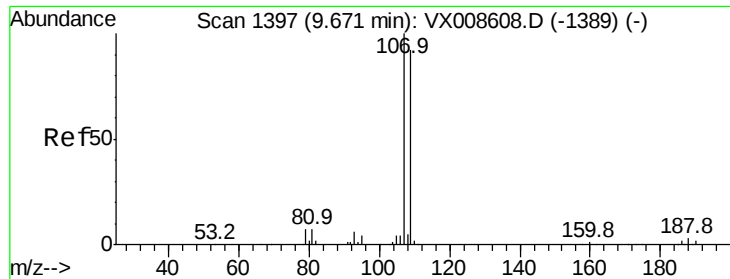
MMDadoda
4/9/2019 1:37:38 PM



#60
Dibromochloromethane
Concen: 17.411 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion:129 Resp: 38302
Ion Ratio Lower Upper
129 100
127 78.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 17.519 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion:107 Resp: 42578

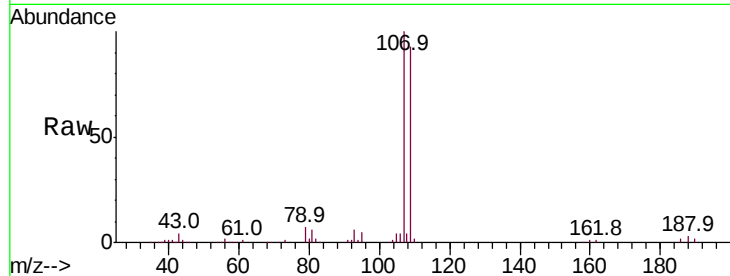
Ion Ratio Lower Upper

107 100

109 93.2 74.1 111.1

Manual Integrations
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4/9/2019 1:37:38 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

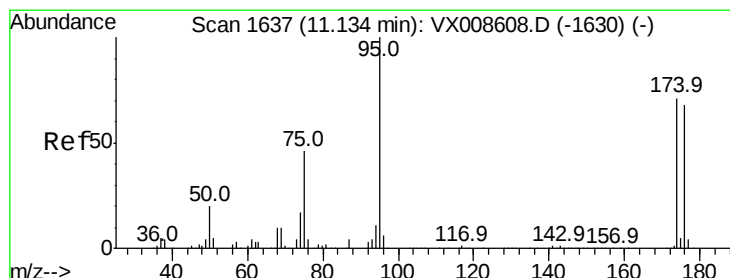
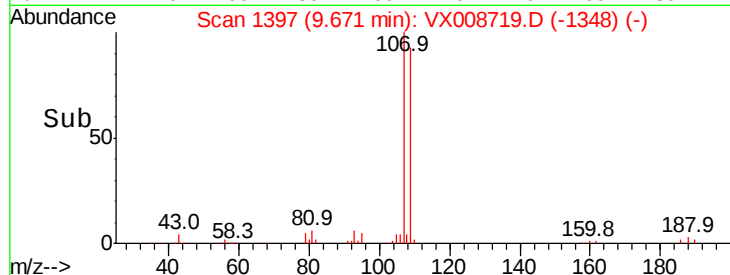
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 48.401 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

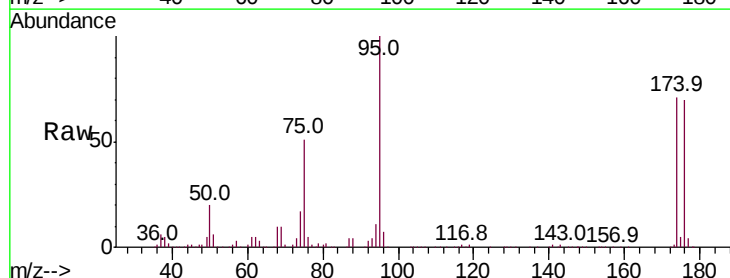
Tgt Ion: 95 Resp: 132368

Ion Ratio Lower Upper

95 100

174 77.0 0.0 151.8

176 75.2 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

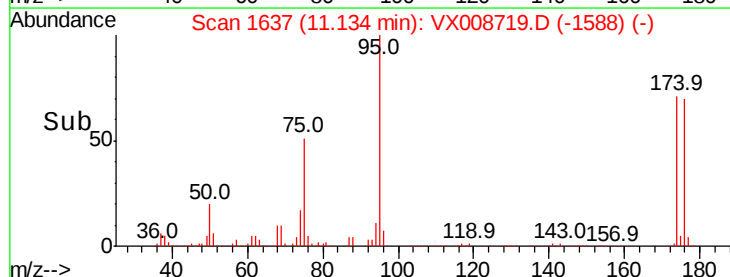
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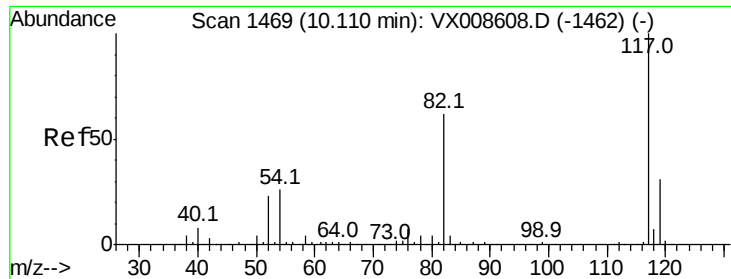
50000

0

Time-->

11.10 11.20





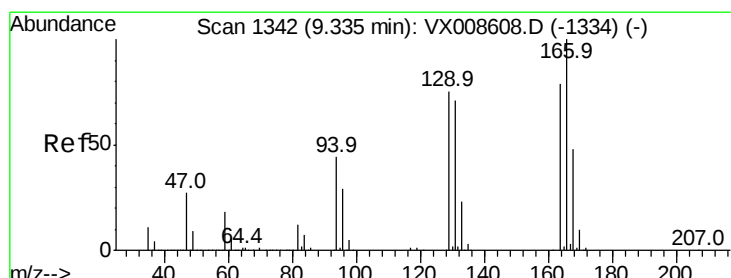
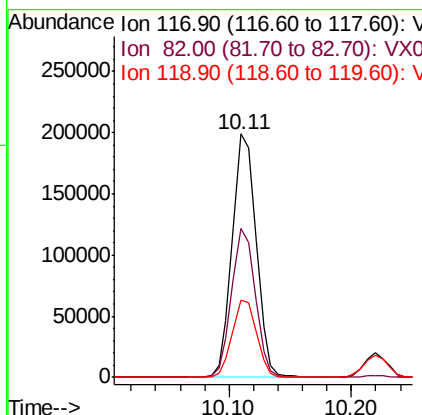
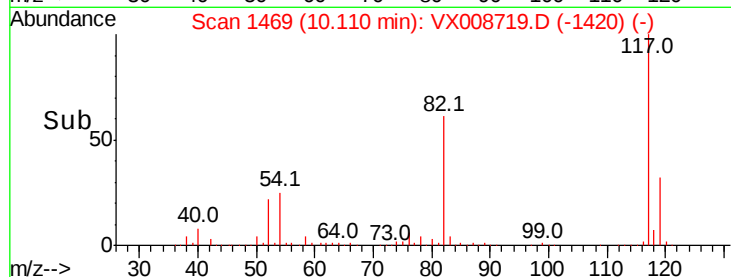
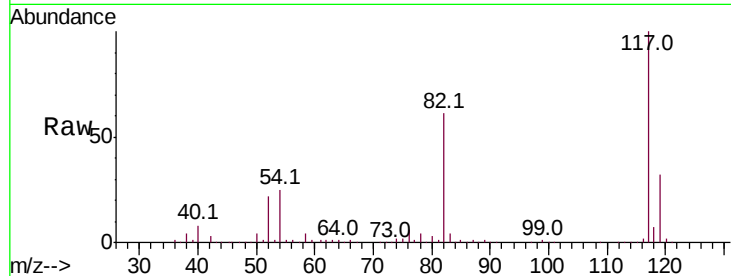
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.6	74.4
119	32.0	25.0	37.4

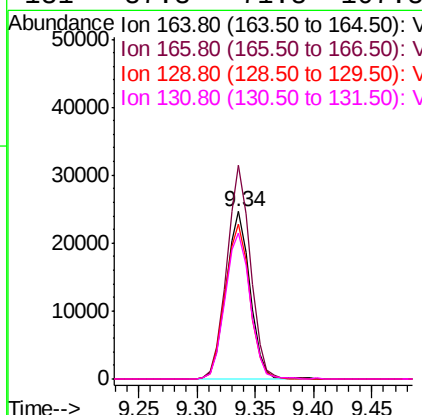
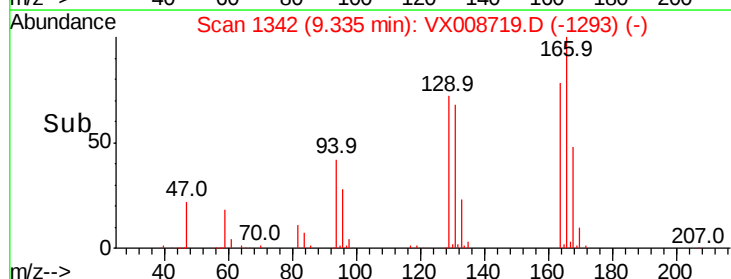
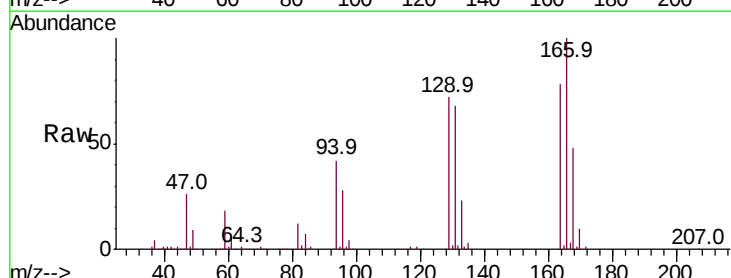
Manual Integrations
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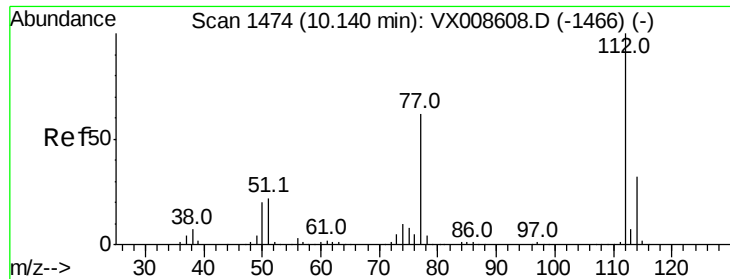
MMDadoda
4/9/2019 1:37:38 PM



#64
Tetrachloroethene
Concen: 17.667 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.0	151.6
129	92.3	75.8	113.8
131	87.3	71.8	107.8





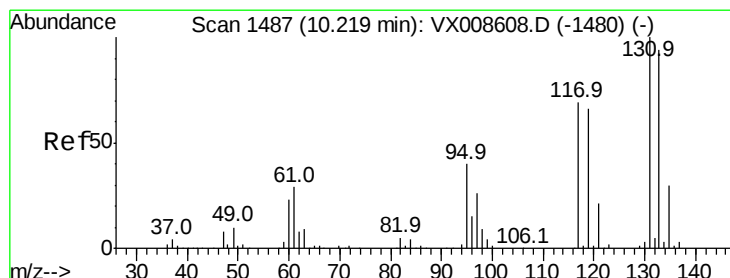
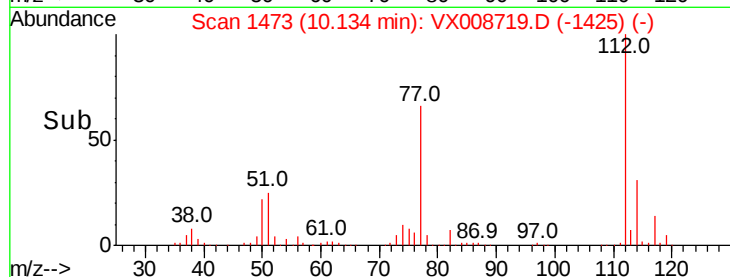
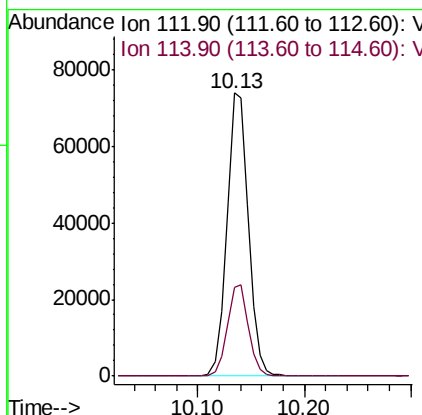
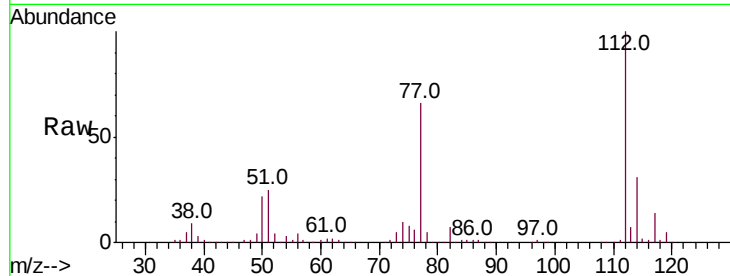
#65
Chlorobenzene
Concen: 17.462 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion:112 Resp: 104301
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8

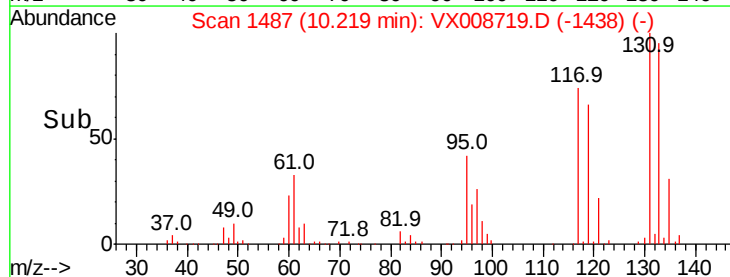
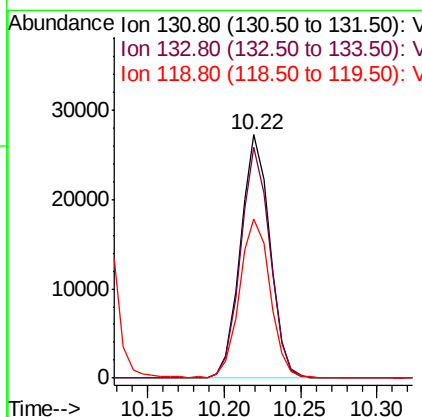
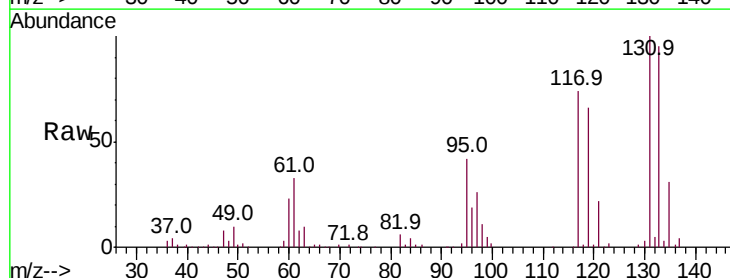
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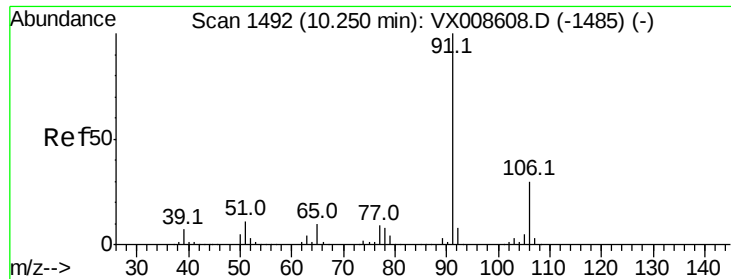
MMDadoda
4/9/2019 1:37:38 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.366 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion:131 Resp: 36391
Ion Ratio Lower Upper
131 100
133 95.0 47.0 141.2
119 68.3 33.7 101.0





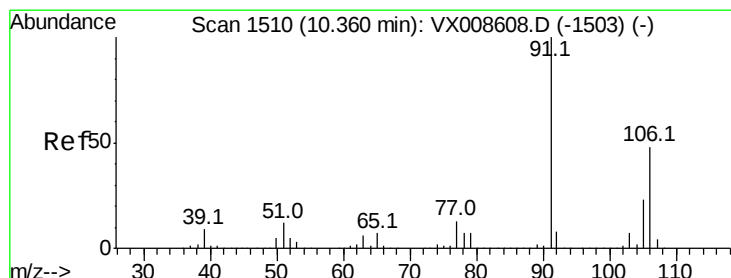
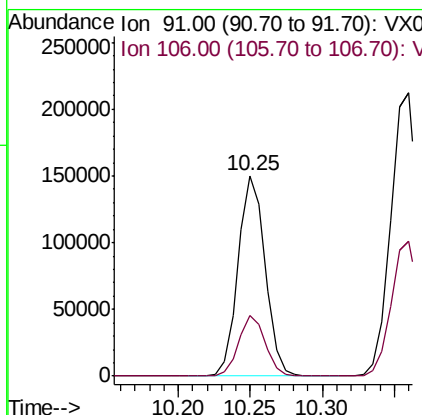
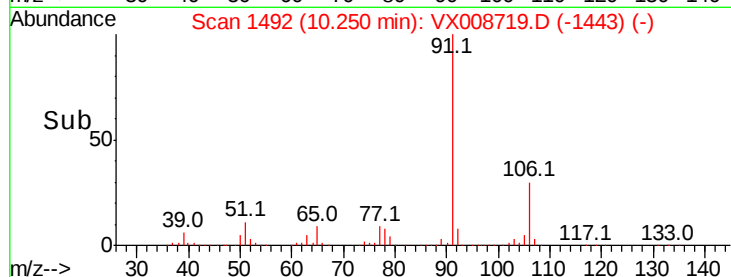
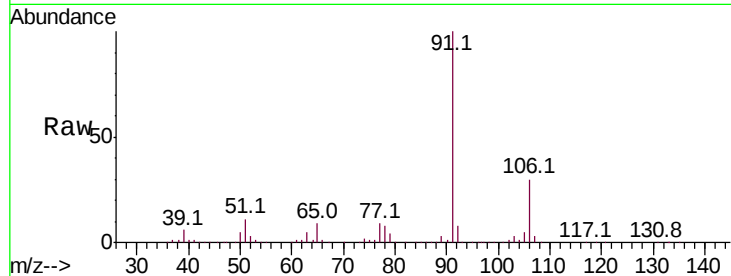
#67
Ethyl Benzene
Concen: 17.685 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion: 91 Resp: 196977
Ion Ratio Lower Upper
91 100
106 29.9 23.7 35.5

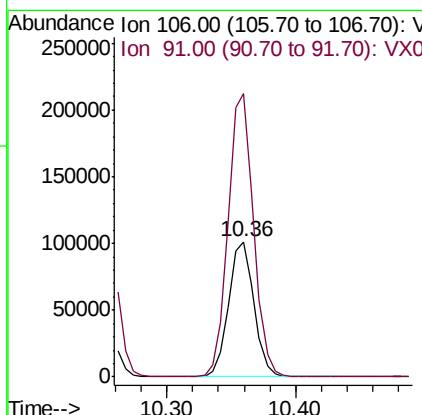
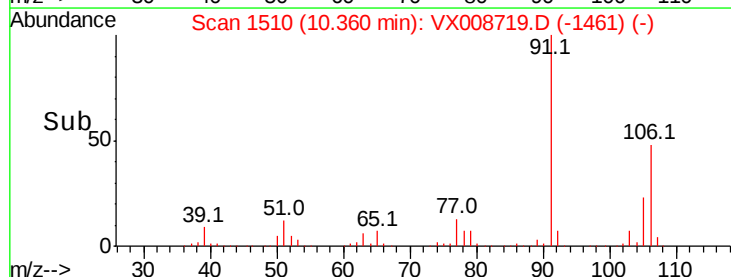
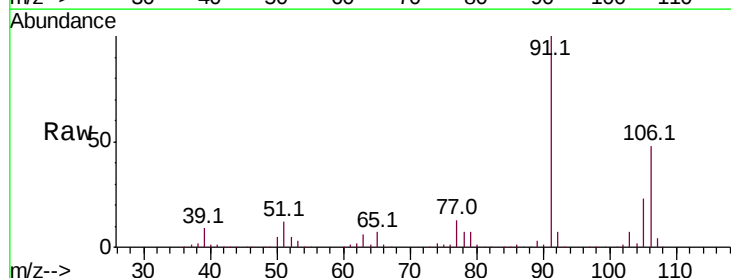
Manual Integrations
APPROVED

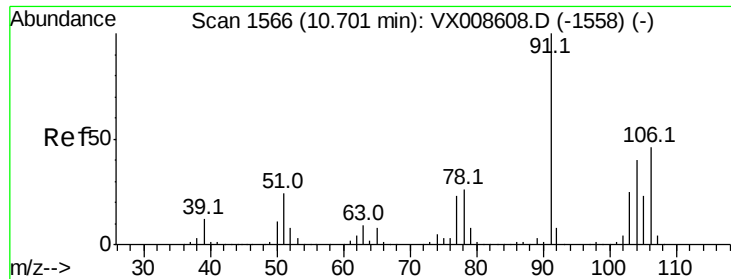
MMDadoda
4/9/2019 1:37:38 PM



#68
m/p-Xylenes
Concen: 34.918 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion: 106 Resp: 139839
Ion Ratio Lower Upper
106 100
91 210.6 168.5 252.7





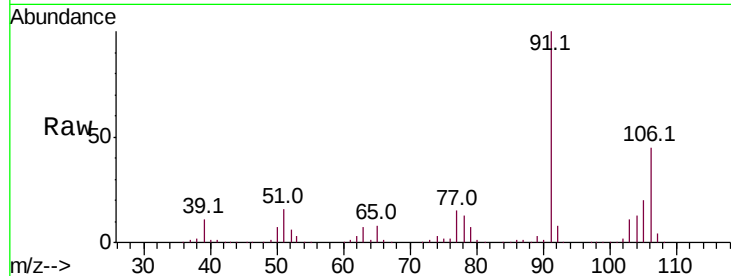
#69
o-Xylene
Concen: 17.638 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampled :
VX0406WBSD01

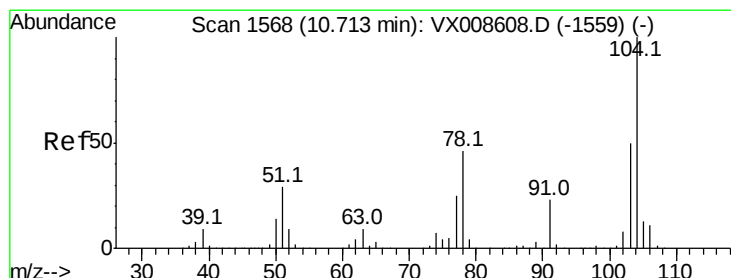
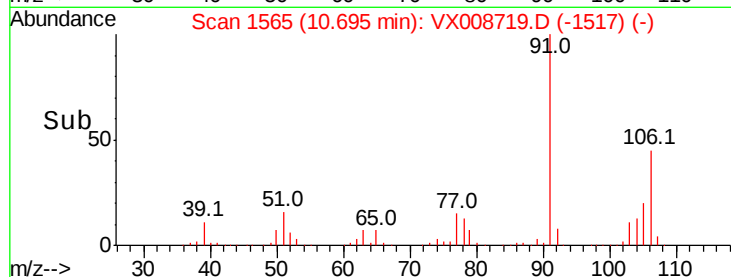
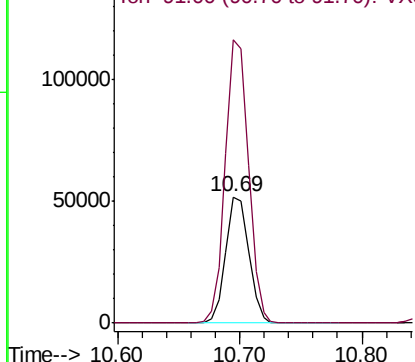
Tot Ion:106 Resp: 68454
Ion Ratio Lower Upper
106 100
91 224.6 111.5 334.4

Manual Integrations
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MMDadoda
4/9/2019 1:37:38 PM

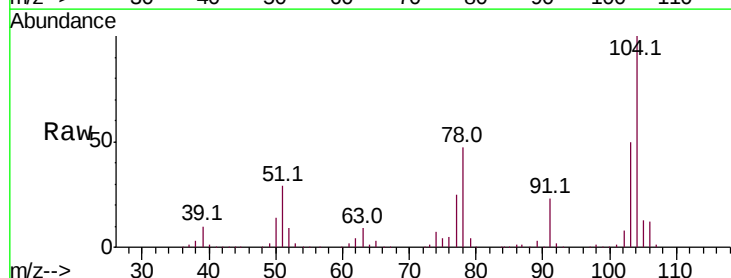


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

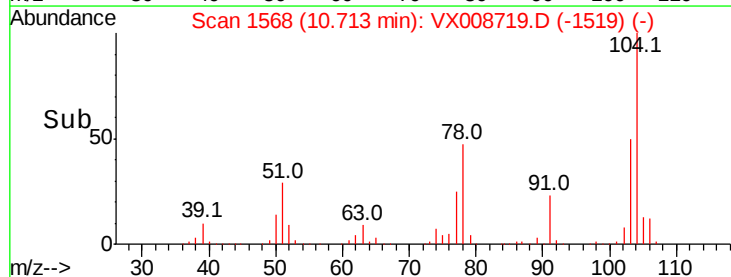
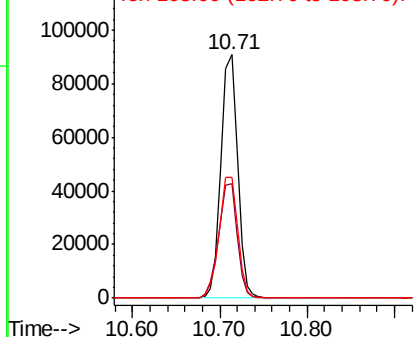


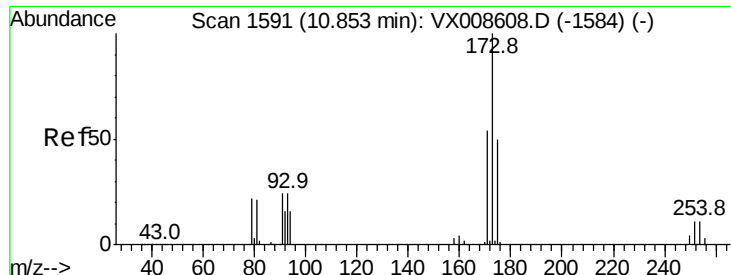
#70
Styrene
Concen: 17.867 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion:104 Resp: 119530
Ion Ratio Lower Upper
104 100
78 52.7 42.3 63.5
103 55.5 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.438 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion:173 Resp: 27909

Ion Ratio Lower Upper

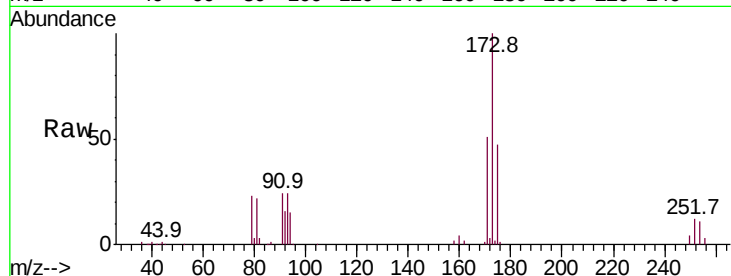
173 100

175 48.0 24.9 74.6

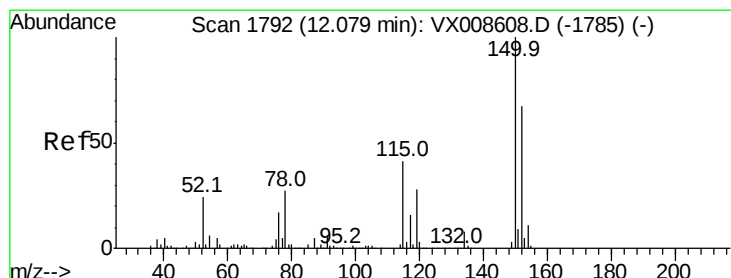
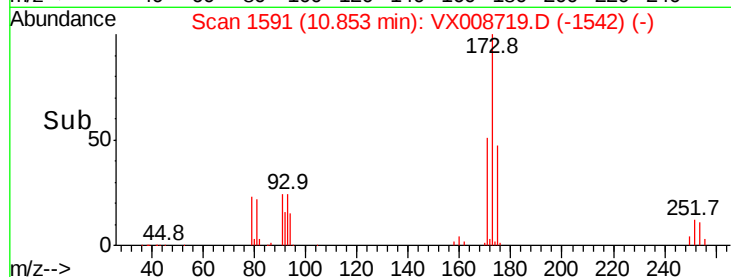
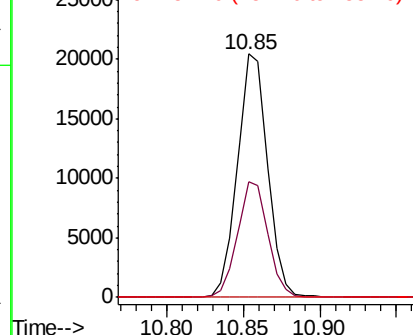
254 0.0 0.1 0.1#

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4/9/2019 1:37:38 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

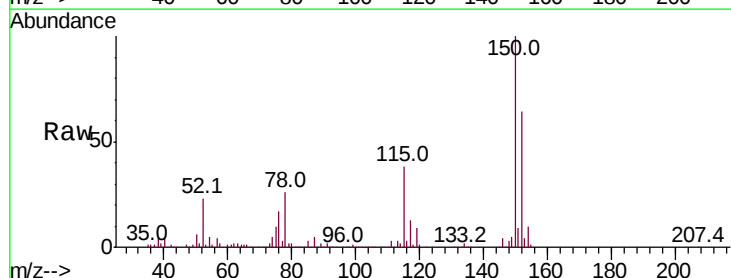
Tgt Ion:152 Resp: 122778

Ion Ratio Lower Upper

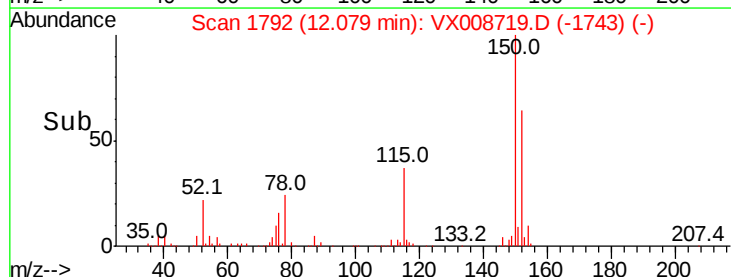
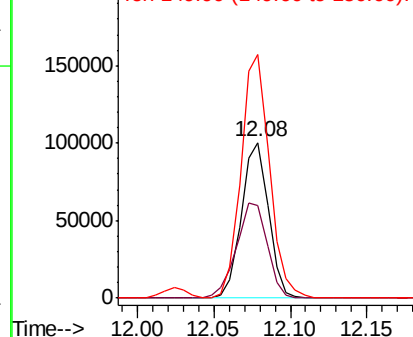
152 100

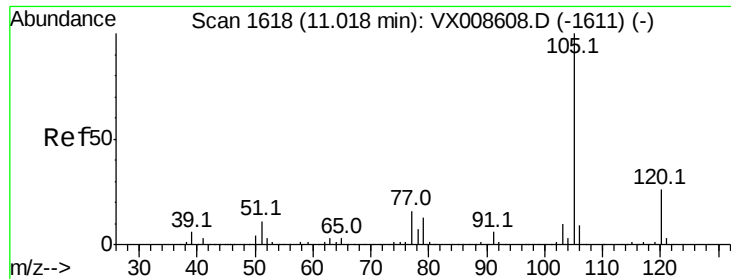
115 70.2 43.5 130.5

150 164.8 0.0 348.8



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





#73

Isopropylbenzene

Concen: 18.173 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion: 105 Resp: 184913

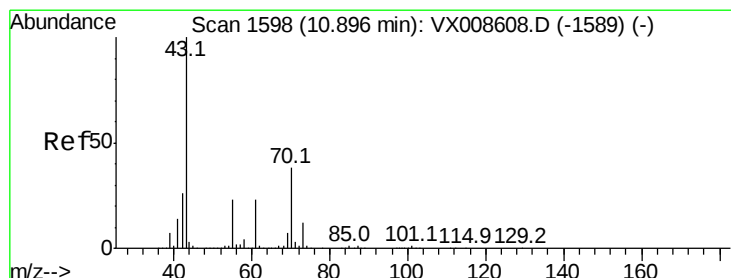
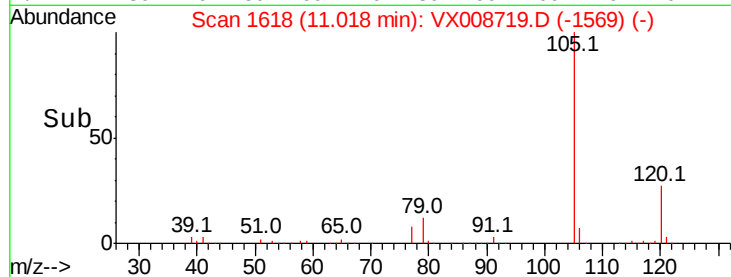
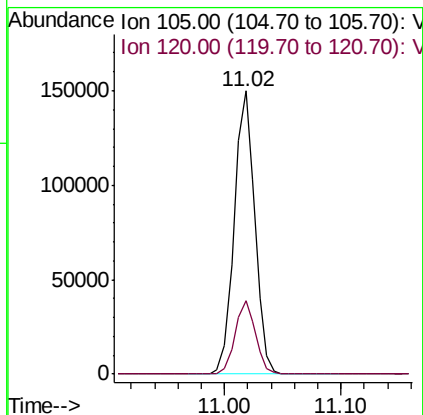
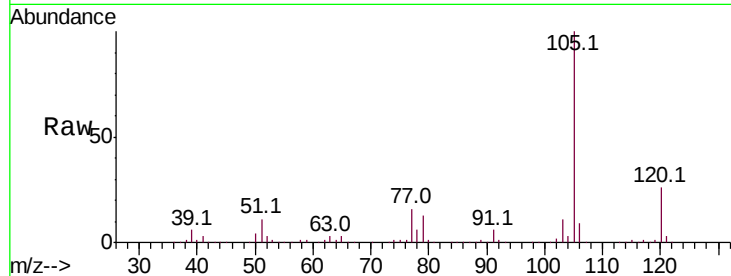
Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.6

Manual Integrations
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4/9/2019 1:37:38 PM



#74

N-ethyl acetate

Concen: 17.984 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Tgt Ion: 43 Resp: 107656

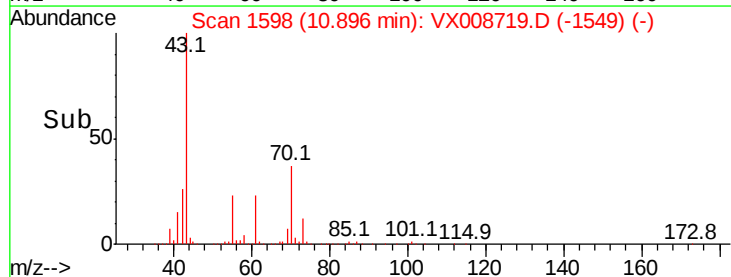
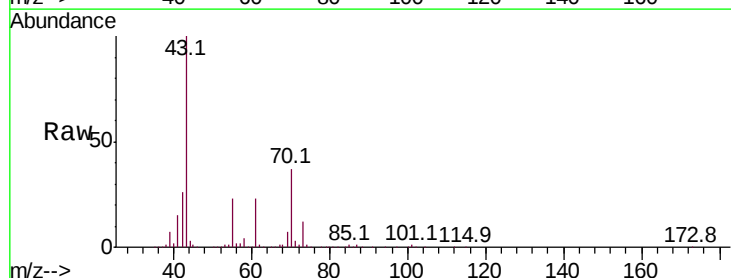
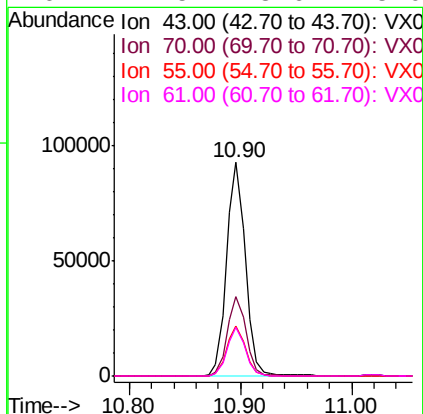
Ion Ratio Lower Upper

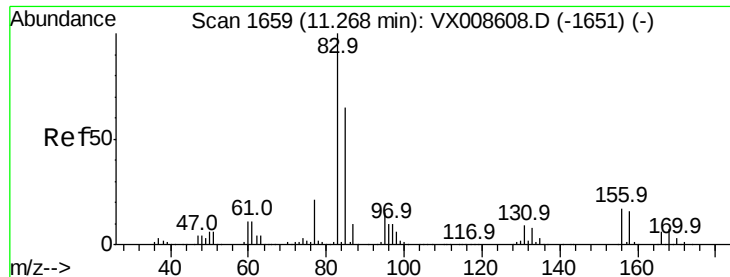
43 100

70 37.5 30.2 45.4

55 23.4 18.2 27.4

61 22.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 17.991 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

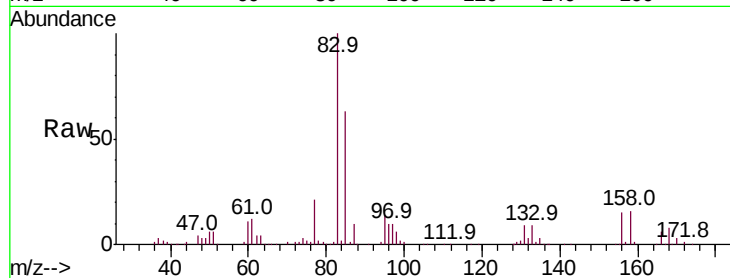
ClientSampled :

VX0406WBSD01

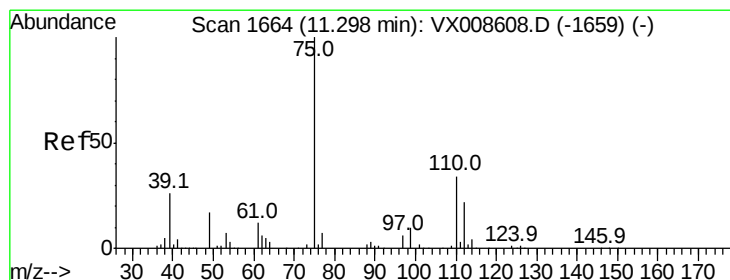
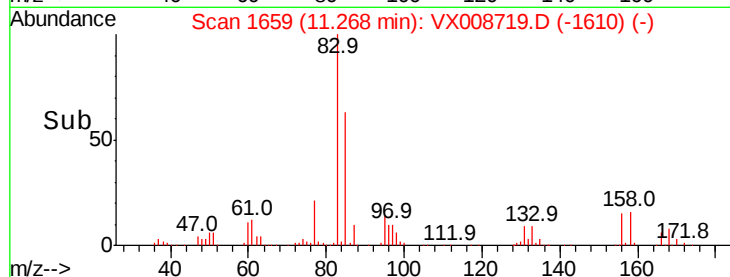
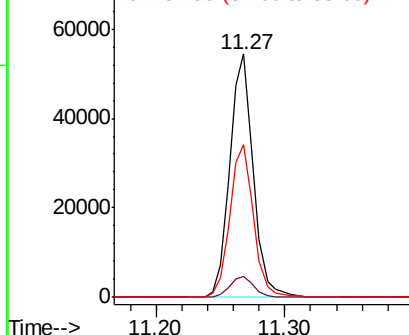
Tot Ion:	83	Resp:	69620
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.5	13.7
85	63.4	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 20.274 ug/l m

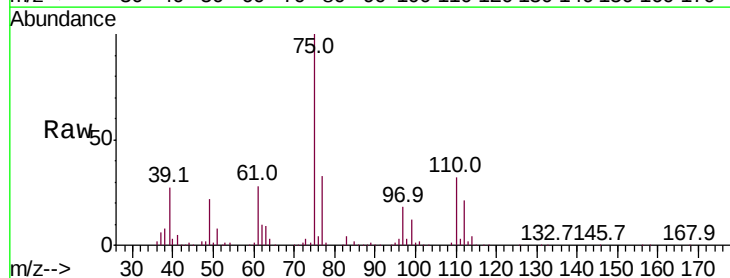
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

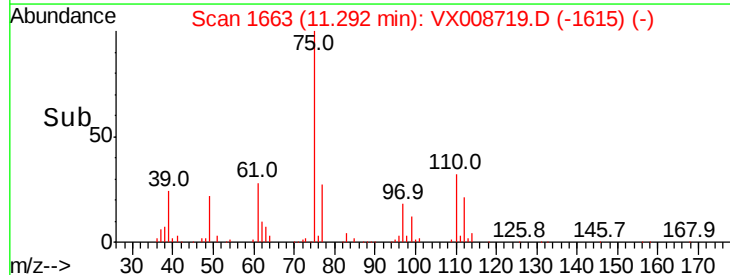
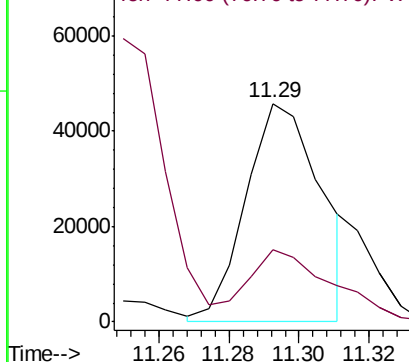
Lab File: VX008719.D

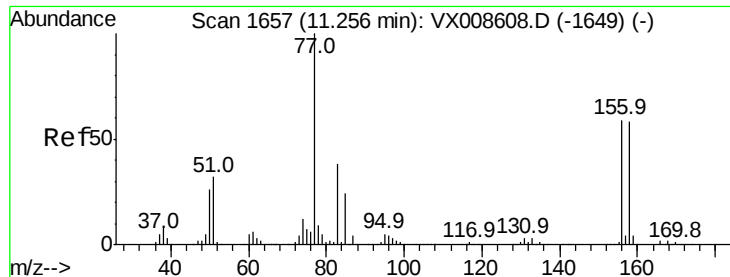
Acq: 06 Apr 2019 14:41

Tgt Ion:	75	Resp:	68380
Ion Ratio	Lower	Upper	
75	100		
77	37.5	22.3	66.8



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





#77

Bromobenzene

Concen: 18.031 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion:156 Resp: 44105

Ion Ratio Lower Upper

156 100

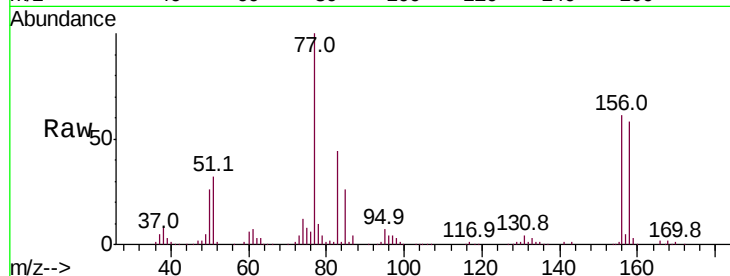
77 178.5 89.8 269.6

158 97.2 48.6 145.9

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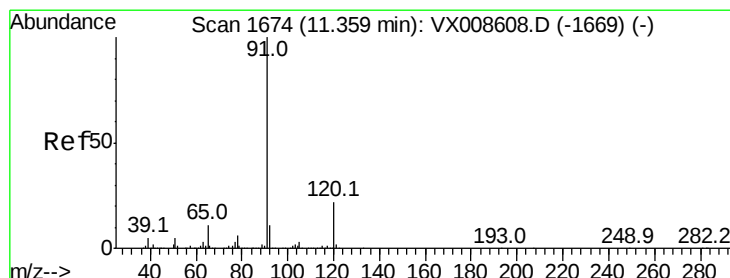
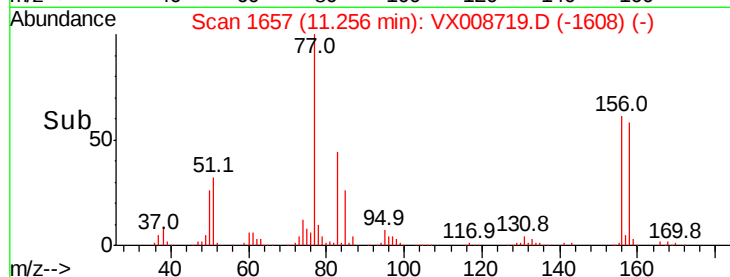
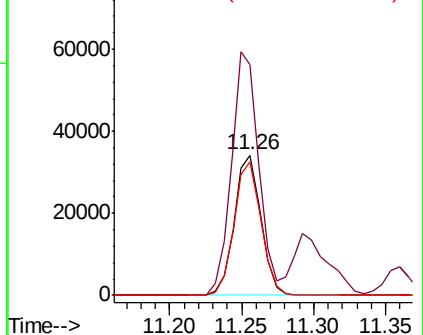
4/9/2019 1:37:38 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VX0

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 17.822 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008719.D

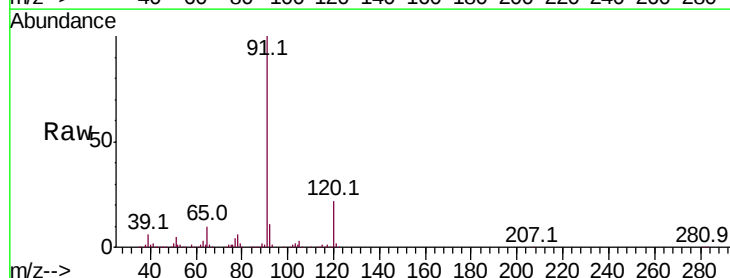
Acq: 06 Apr 2019 14:41

Tgt Ion: 91 Resp: 211143

Ion Ratio Lower Upper

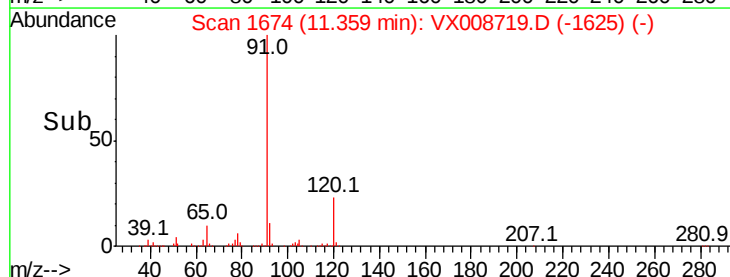
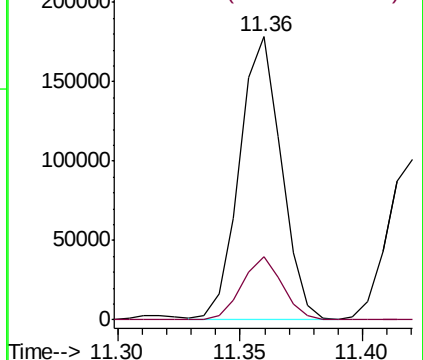
91 100

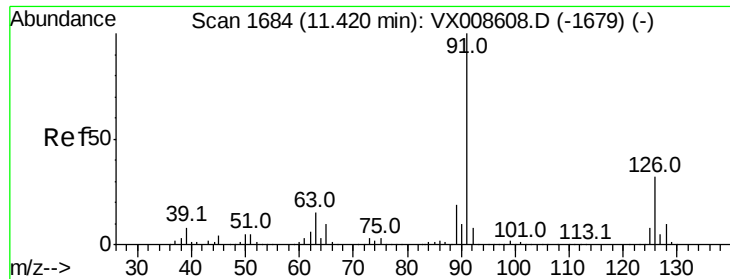
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.30): VX0

Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 17.759 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion: 91 Resp: 127323

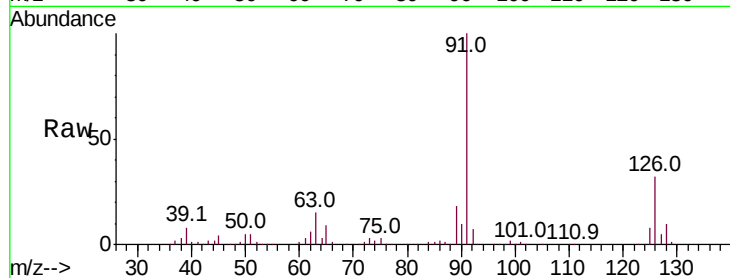
Ion Ratio Lower Upper

91 100

126 31.6 16.1 48.3

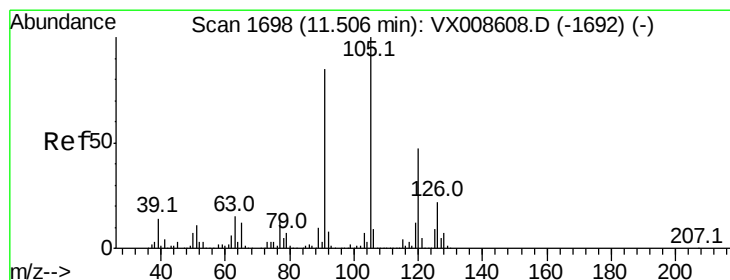
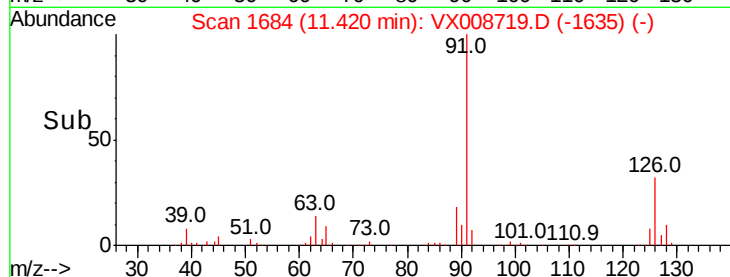
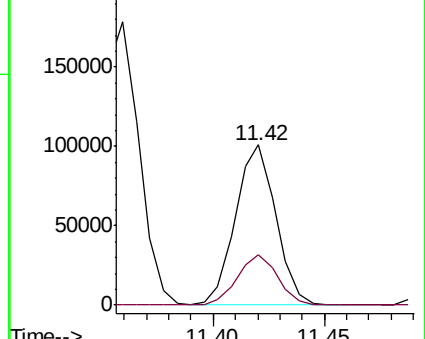
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.205 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008719.D

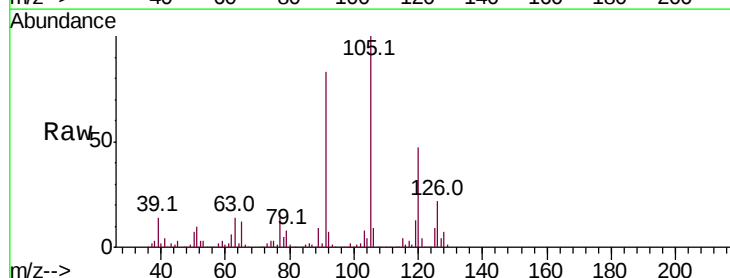
Acq: 06 Apr 2019 14:41

Tgt Ion:105 Resp: 155491

Ion Ratio Lower Upper

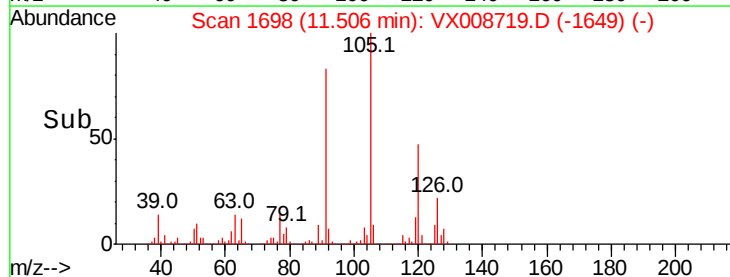
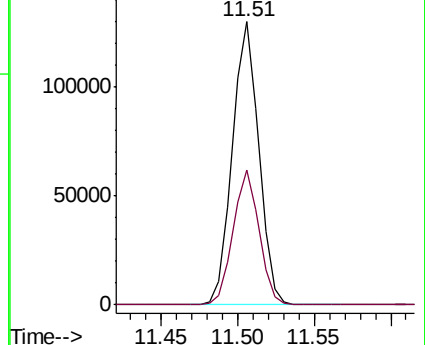
105 100

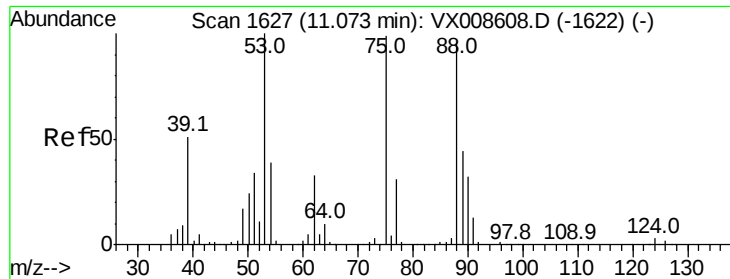
120 46.9 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.319 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion: 75 Resp: 21191

Ion Ratio Lower Upper

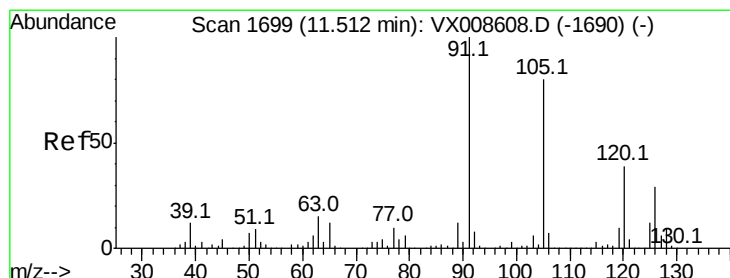
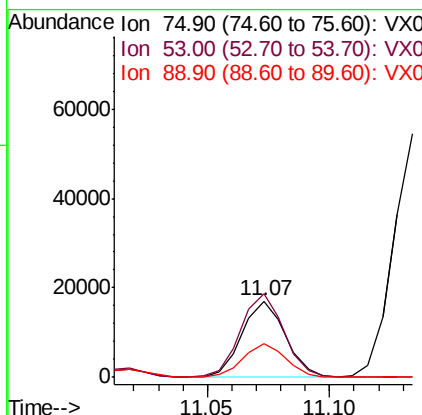
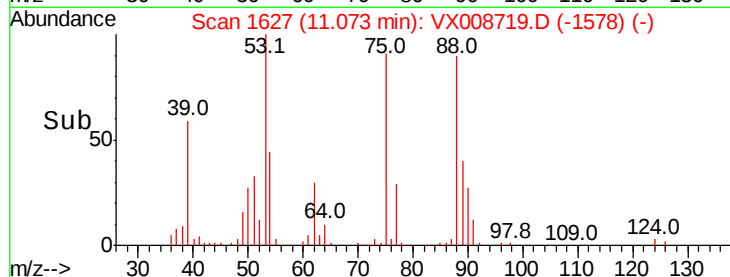
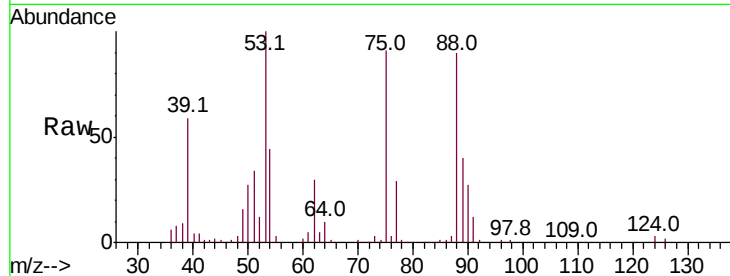
75 100

53 108.9 81.3 121.9

89 43.6 35.6 53.4

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#82

4-Chlorotoluene

Concen: 17.543 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008719.D

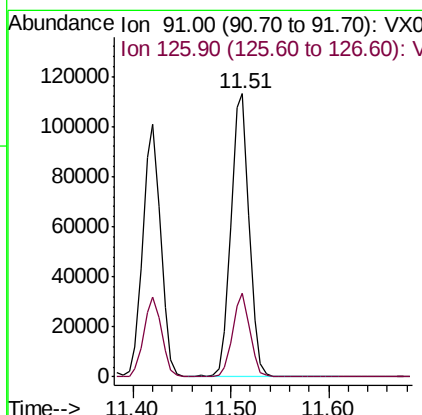
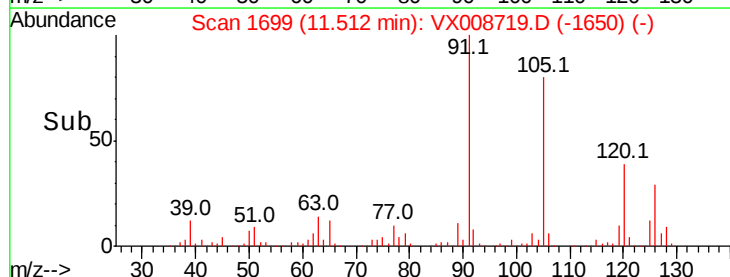
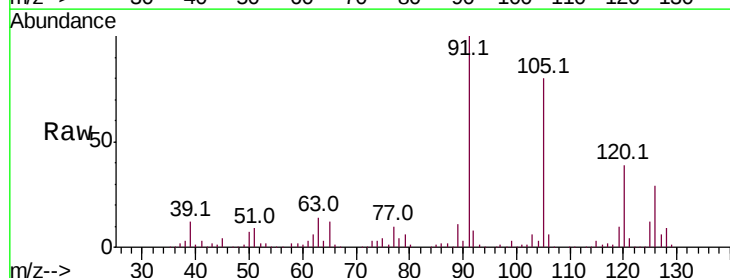
Acq: 06 Apr 2019 14:41

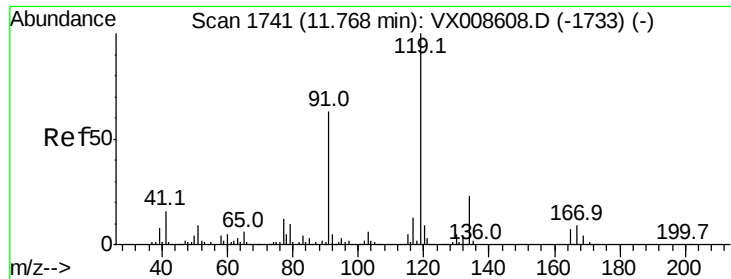
Tgt Ion: 91 Resp: 145589

Ion Ratio Lower Upper

91 100

126 27.9 13.9 41.6





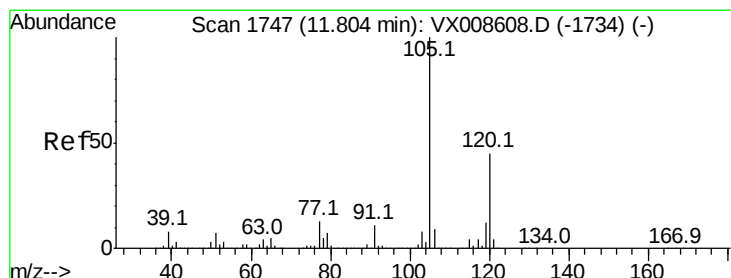
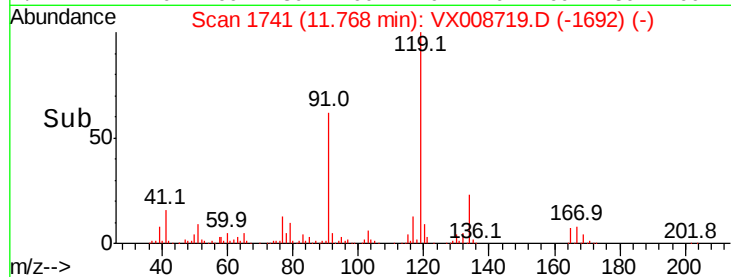
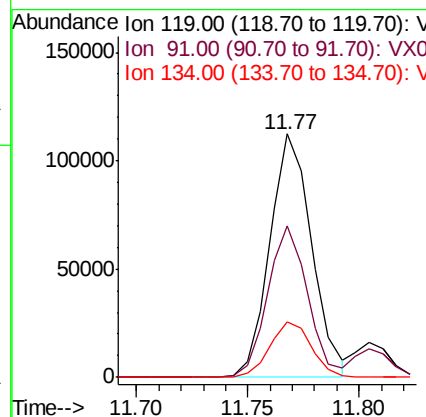
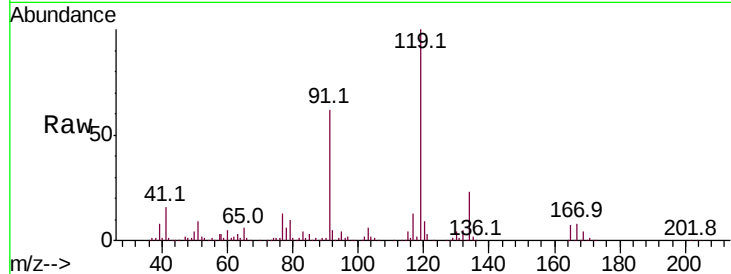
#83
tert-Butylbenzene
Concen: 17.818 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	146414		
91	59.6	30.0	90.1	
134	22.4	11.1	33.3	

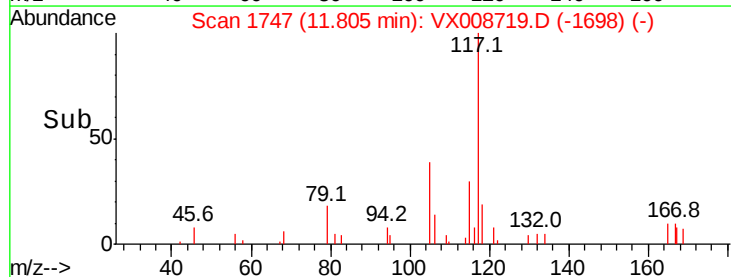
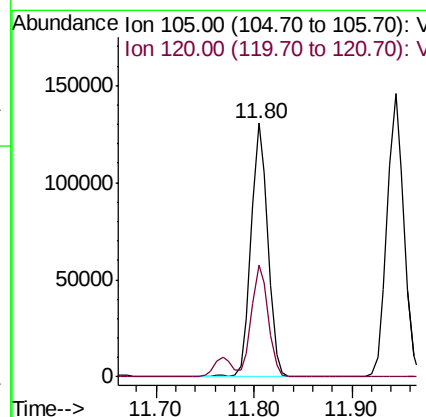
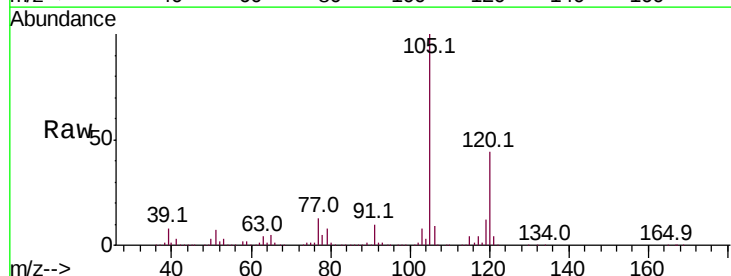
Manual Integrations
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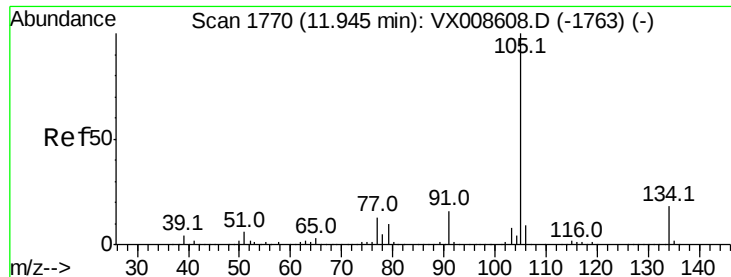
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#84
1,2,4-Trimethylbenzene
Concen: 17.955 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	155284		
120	43.5	21.8	65.3	





#85

sec-Butylbenzene

Concen: 17.860 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

VX0406WBSD01

Tot Ion:105 Resp: 174324

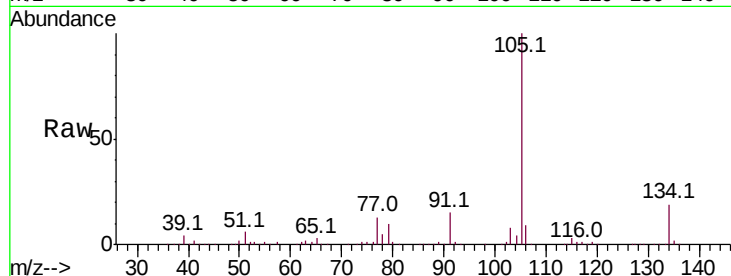
Ion Ratio Lower Upper

105 100

134 19.2 9.4 28.2

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

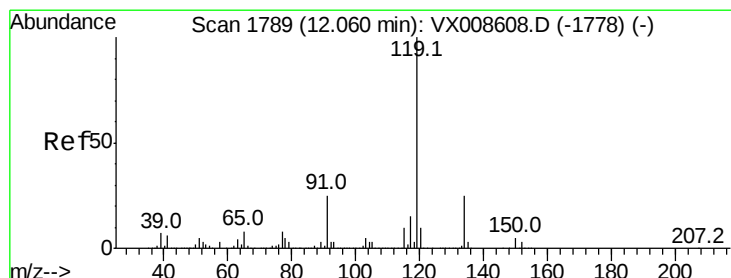
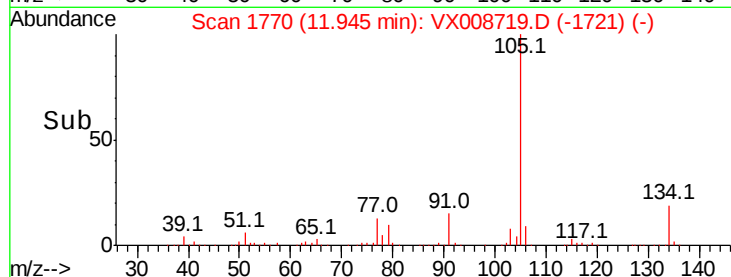
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.095 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008719.D

Acq: 06 Apr 2019 14:41

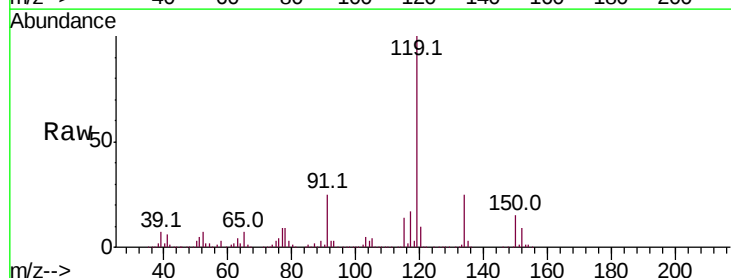
Tgt Ion:119 Resp: 158523

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

91 24.0 12.2 36.6



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

12.06

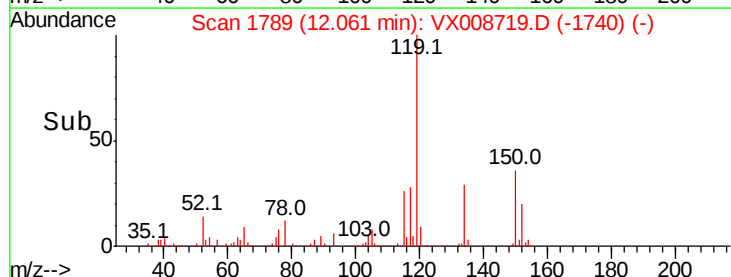
150000

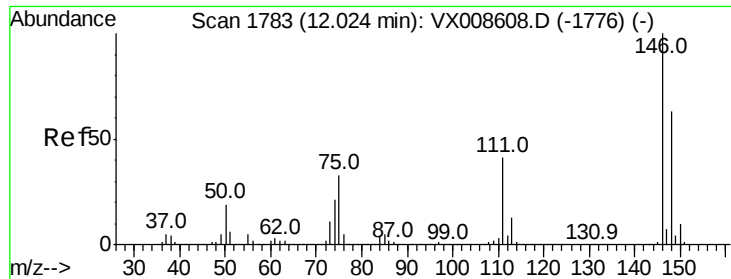
100000

50000

0

Time-->





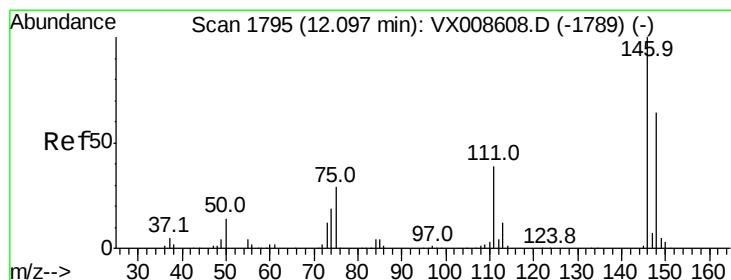
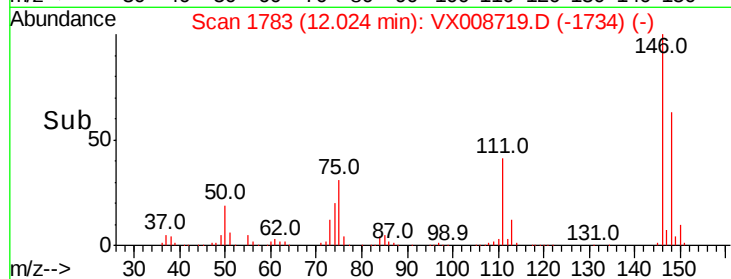
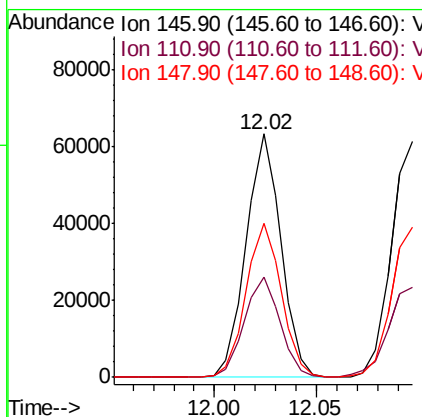
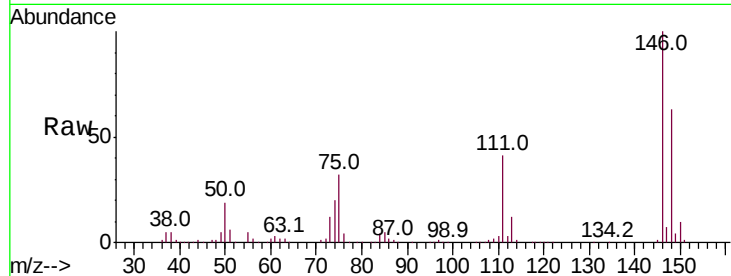
#87
 1,3-Dichlorobenzene
 Concen: 17.242 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.5	61.5
148	64.2	31.6	94.7

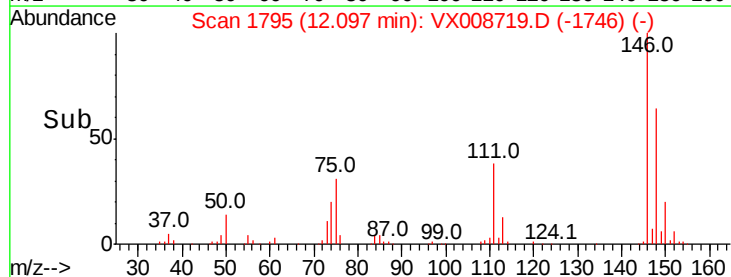
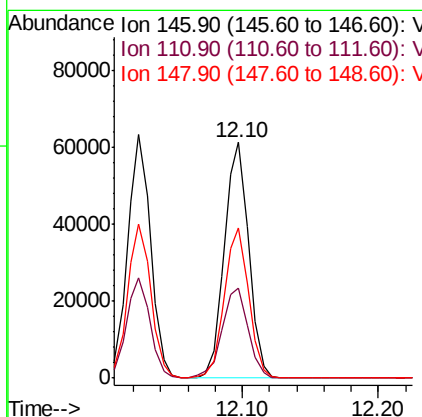
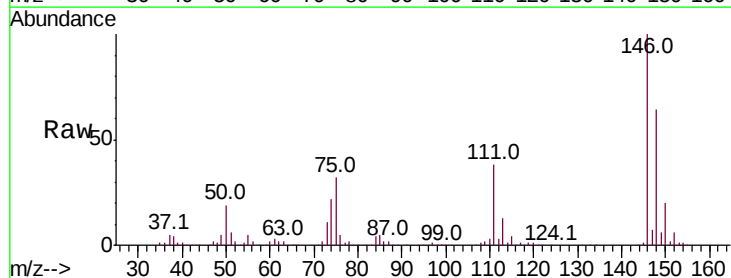
Manual Integrations
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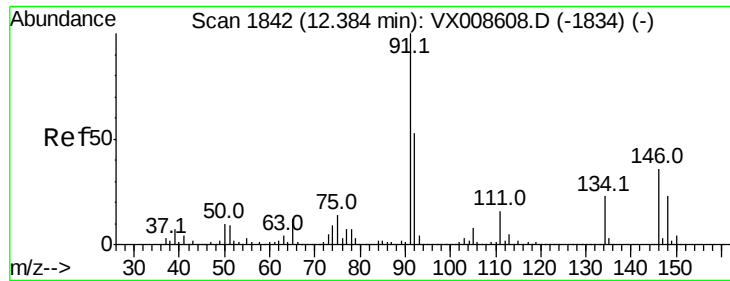
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#88
 1,4-Dichlorobenzene
 Concen: 17.102 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.2	60.6
148	63.9	32.0	96.0





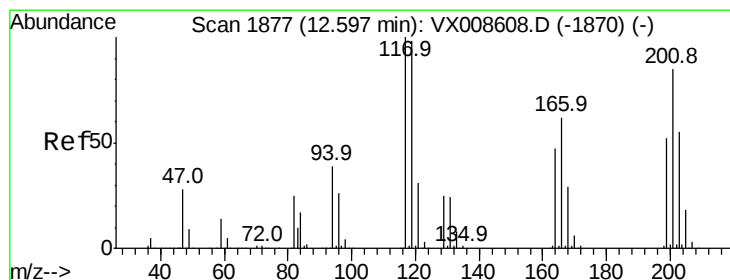
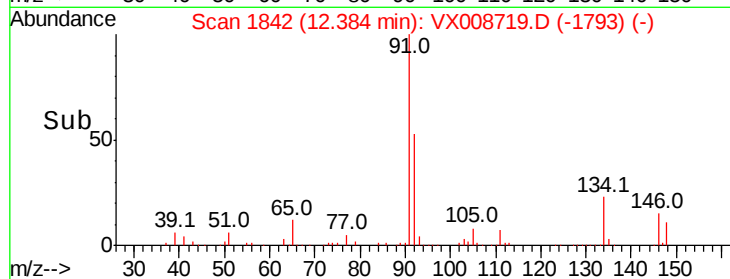
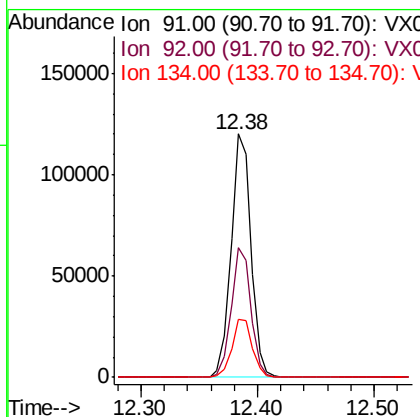
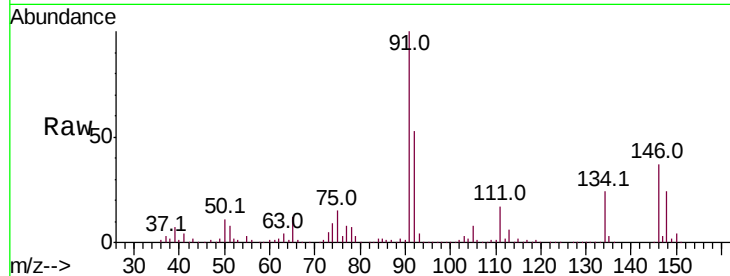
#89
n-Butylbenzene
Concen: 17.378 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.2
134	24.3	12.0	36.0

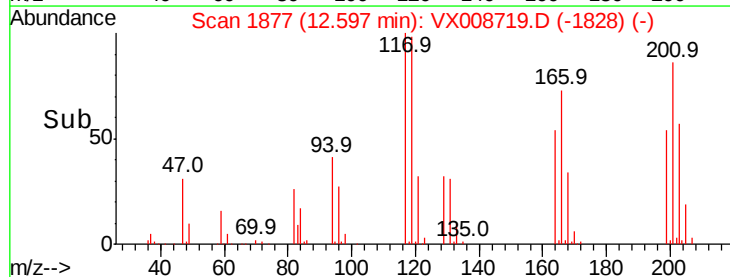
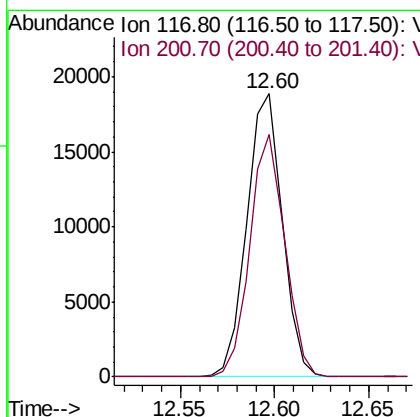
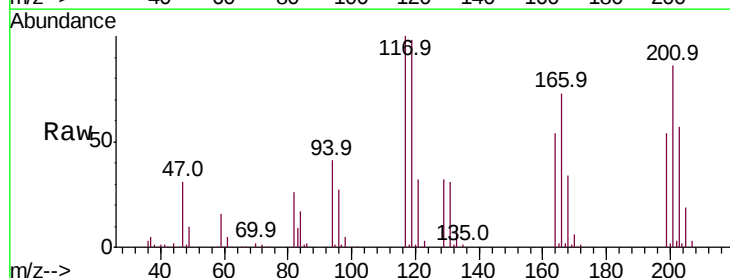
Manual Integrations
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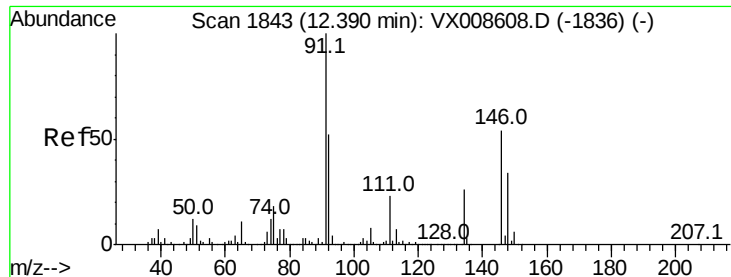
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4/9/2019 1:37:38 PM



#90
Hexachloroethane
Concen: 16.961 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	40.6	122.0





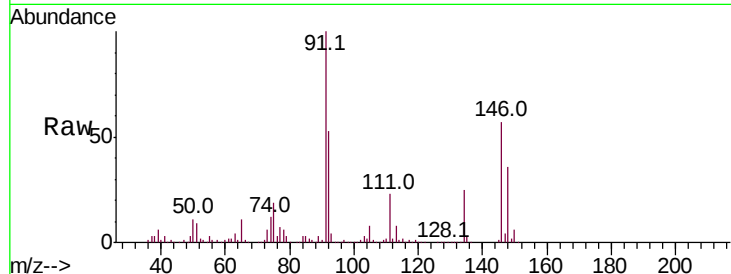
#91
 1,2-Dichlorobenzene
 Concen: 17.711 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.3	63.9
148	63.5	31.7	95.1

Manual Integrations
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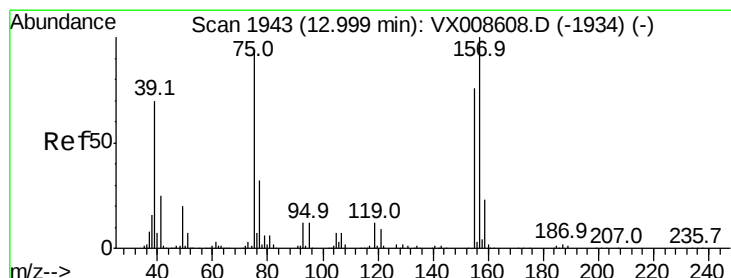
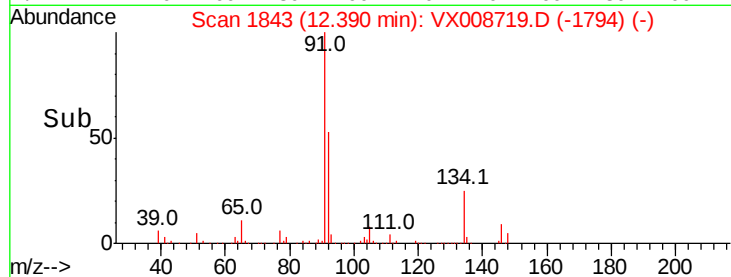
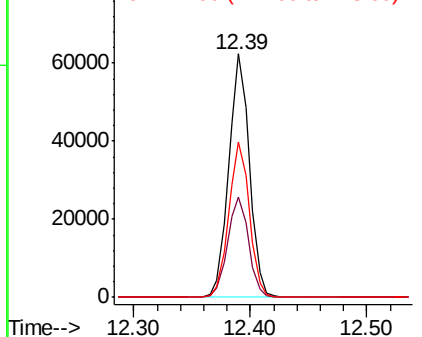


Abundance

Ion 145.90 (145.60 to 146.60): V

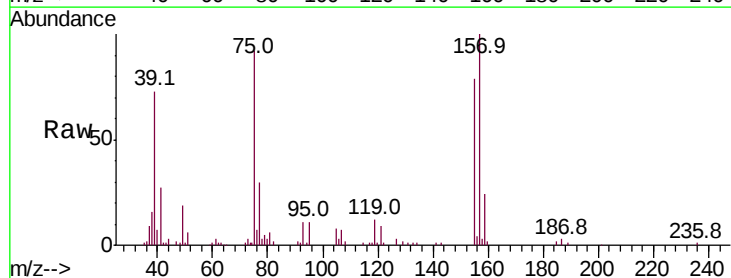
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.802 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	39.9	119.6
157	104.8	51.5	154.7

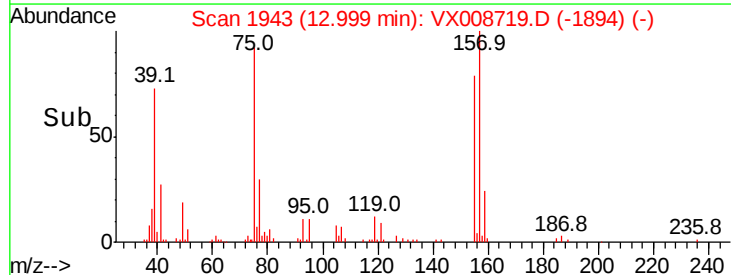
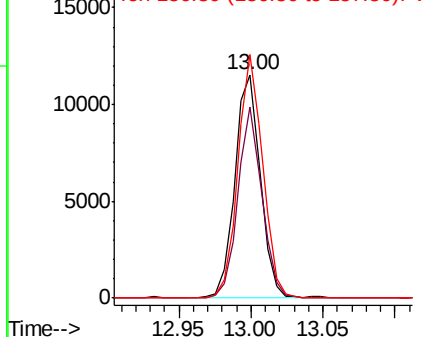


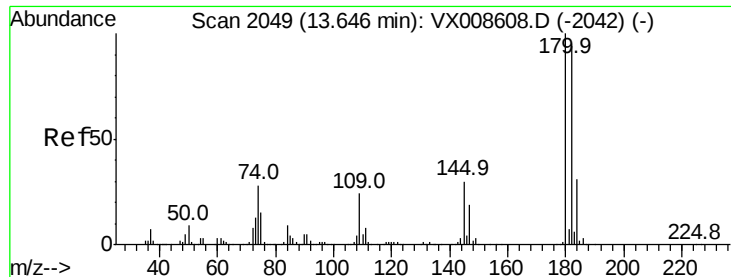
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





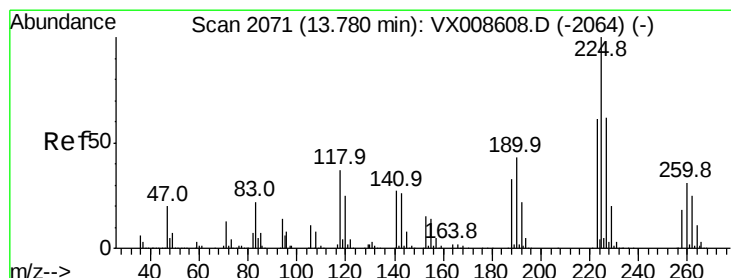
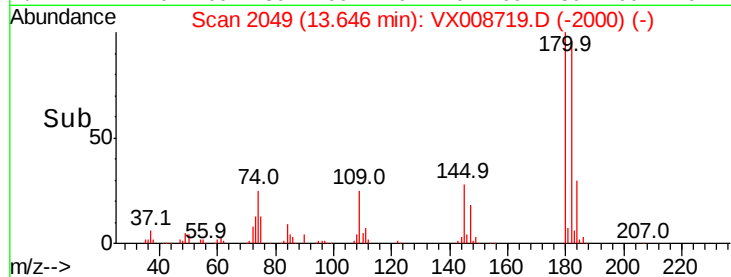
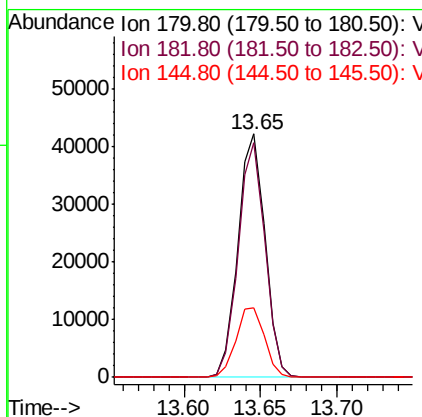
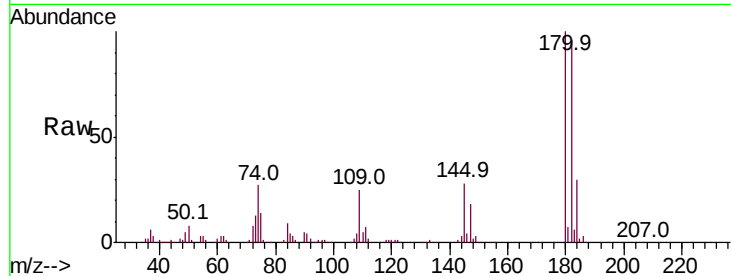
#93
 1,2,4-Trichlorobenzene
 Concen: 17.122 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0406WBSD01

Tot Ion:	180	Resp:	51761
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.2	141.6
145	30.2	15.3	45.9

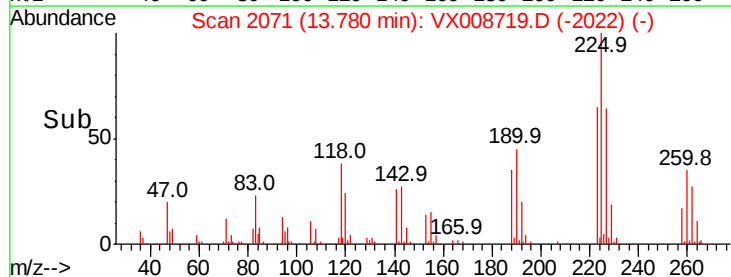
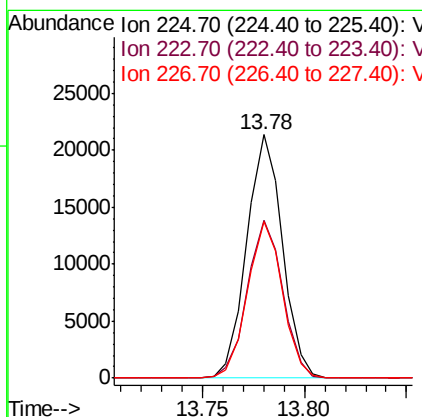
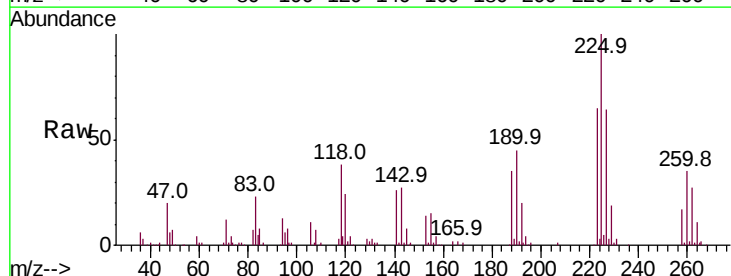
Manual Integrations
 APPROVED

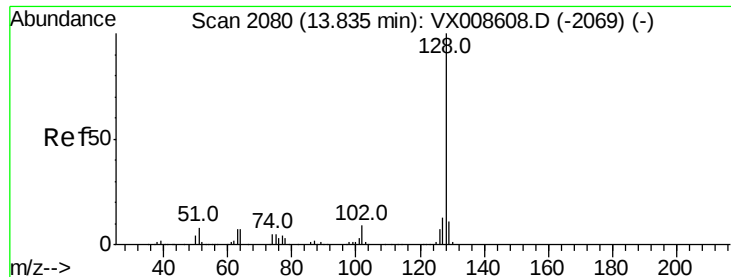
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 17.922 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008719.D
 Acq: 06 Apr 2019 14:41

Tgt Ion:	225	Resp:	25983
Ion Ratio	Lower	Upper	
225	100		
223	64.7	31.2	93.6
227	63.0	31.9	95.5





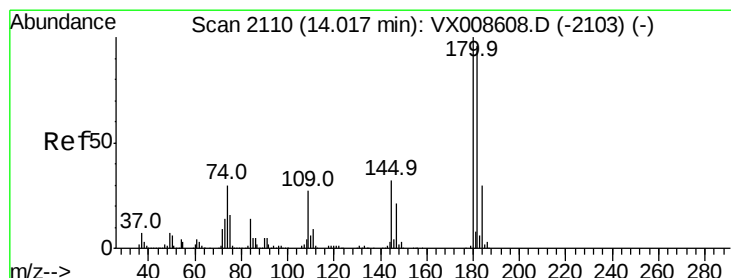
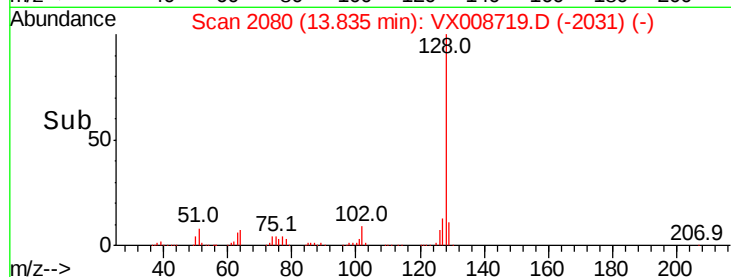
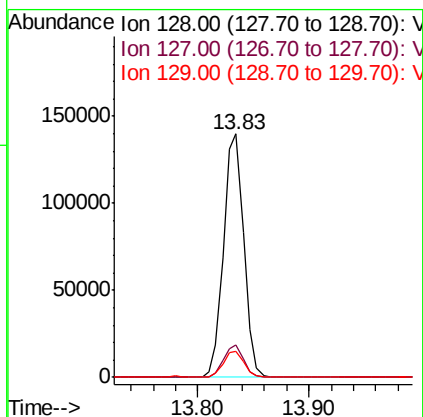
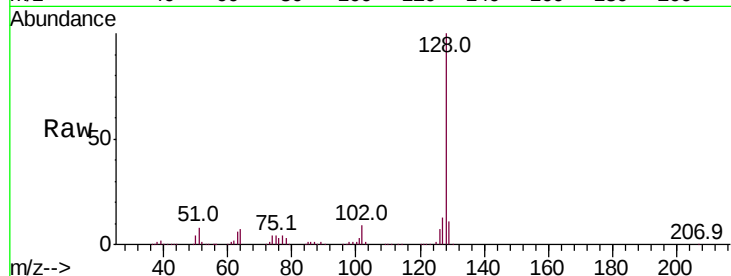
#95
Naphthalene
Concen: 17.387 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
VX0406WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	175670		
127	13.1		10.4	15.6
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 16.757 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008719.D
Acq: 06 Apr 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	50613		
182	98.9		48.1	144.3
145	33.2		16.3	48.8

