

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091018\
 Data File : VW005241.D
 Acq On : 10 Sep 2018 14:58
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 9/11/2018 11:09:21 AM

Quant Time: Sep 11 03:07:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:46:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	500022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	704625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	713931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	394326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	72256	19.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.74%	
35) Dibromofluoromethane	7.89	113	72910	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	
50) Toluene-d8	10.33	98	364276	19.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.06%	
62) 4-Bromofluorobenzene	12.63	95	133003	19.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	92683	21.49	ug/l	100
3) Chloromethane	2.22	50	116550	20.21	ug/l	96
4) Vinyl Chloride	2.36	62	105976	20.02	ug/l	95
5) Bromomethane	2.75	94	70940	19.69	ug/l	98
6) Chloroethane	2.91	64	56357	19.33	ug/l	99
7) Trichlorofluoromethane	3.26	101	121204	20.24	ug/l	97
8) Diethyl Ether	3.69	74	41035	19.23	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	85375	19.96	ug/l	99
10) Methyl Iodide	4.28	142	87756	18.63	ug/l	100
11) Tert butyl alcohol	5.18	59	29233	95.58	ug/l	99
12) 1,1-Dichloroethene	4.04	96	78394	19.90	ug/l	94
13) Acrolein	3.90	56	30044	101.69	ug/l	99
14) Allyl chloride	4.68	41	115706	19.12	ug/l	99
15) Acrylonitrile	5.38	53	92032	95.58	ug/l	98
16) Acetone	4.13	43	61840	89.33	ug/l	95
17) Carbon Disulfide	4.38	76	269244	19.47	ug/l	100
18) Methyl Acetate	4.68	43	39314	19.02	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	186993	19.93	ug/l	99
20) Methylene Chloride	4.92	84	115199	19.63	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	90355	19.65	ug/l	96
22) Diisopropyl ether	6.32	45	242709	19.92	ug/l	95
23) Vinyl Acetate	6.26	43	678997	100.00	ug/l	100
24) 1,1-Dichloroethane	6.23	63	149871	19.98	ug/l	98
25) 2-Butanone	7.18	43	105478	96.60	ug/l	97
26) 2,2-Dichloropropane	7.17	77	130259	20.03	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	97561	19.82	ug/l	99
28) Bromochloromethane	7.52	49	54037	19.53	ug/l #	99
29) Tetrahydrofuran	7.54	42	71696	97.43	ug/l	99
30) Chloroform	7.68	83	151006	20.06	ug/l	100
31) Cyclohexane	7.96	56	159913	20.04	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	135505	19.93	ug/l	100
36) 1,1-Dichloropropene	8.09	75	133708	20.71	ug/l	99
37) Ethyl Acetate	7.26	43	49326	20.09	ug/l	98
38) Carbon Tetrachloride	8.07	117	123096	20.36	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	171047	19.96	ug/l	99
40) Benzene	8.33	78	382165	20.09	ug/l	98
41) Methacrylonitrile	7.49	41	25227	20.03	ug/l #	91
42) 1,2-Dichloroethane	8.41	62	92513	20.33	ug/l	100
43) Isopropyl Acetate	8.43	43	88015	19.30	ug/l	97
44) Trichloroethene	9.10	130	108014	20.70	ug/l	97
45) 1,2-Dichloropropane	9.38	63	94485	20.67	ug/l	99
46) Dibromomethane	9.46	93	44831	20.03	ug/l	100
47) Bromodichloromethane	9.65	83	112267	20.51	ug/l	95
48) Methyl methacrylate	9.45	41	47347	20.00	ug/l	99
49) 1,4-Dioxane	9.45	88	16624	397.92	ug/l	96
51) 4-Methyl-2-Pentanone	10.22	43	250756	97.72	ug/l	99
52) Toluene	10.40	92	275203	19.91	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	118758	20.08	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	144121	20.34	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	72623	20.36	ug/l	98
56) Ethyl methacrylate	10.65	69	87244	19.29	ug/l	97
57) 1,3-Dichloropropane	10.94	76	120327	20.31	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	202766	103.14	ug/l	100
59) 2-Hexanone	10.98	43	180863	97.77	ug/l	99
60) Dibromochloromethane	11.13	129	80138	20.24	ug/l	99
61) 1,2-Dibromoethane	11.24	107	64914	19.84	ug/l	99
64) Tetrachloroethene	10.87	164	104886	19.80	ug/l	96
65) Chlorobenzene	11.66	112	310037	19.82	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	92460	19.80	ug/l	99
67) Ethyl Benzene	11.74	91	533115	19.57	ug/l	99
68) m/p-Xylenes	11.85	106	436115	39.74	ug/l	99
69) o-Xylene	12.18	106	200777	19.66	ug/l	99
70) Styrene	12.19	104	331027	19.87	ug/l	99
71) Bromoform	12.35	173	48969	19.34	ug/l	99
73) Isopropylbenzene	12.47	105	542830	19.48	ug/l	100
74) N-amyl acetate	12.28	43	99111	18.70	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	81366	19.43	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	57156m	11.16	ug/l	
77) Bromobenzene	12.76	156	128991	19.65	ug/l	99
78) n-propylbenzene	12.81	91	662959	19.81	ug/l	99
79) 2-Chlorotoluene	12.90	91	376291	19.61	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	469368	19.78	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	23532	18.20	ug/l	96
82) 4-Chlorotoluene	13.00	91	398631	19.76	ug/l	100
83) tert-Butylbenzene	13.21	119	409458	19.73	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	476699	20.00	ug/l	99
85) sec-Butylbenzene	13.40	105	588056	19.72	ug/l	99
86) p-Isopropyltoluene	13.51	119	528073	20.00	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	270625	19.64	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	268772	19.85	ug/l	99
89) n-Butylbenzene	13.83	91	483251	19.47	ug/l	99
90) Hexachloroethane	14.10	117	80842	19.11	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	240004	19.81	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12919	18.55	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	164011	19.14	ug/l	99
94) Hexachlorobutadiene	15.25	225	107036	19.51	ug/l	99
95) Naphthalene	15.38	128	255848	18.41	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	142295	19.30	ug/l	99

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

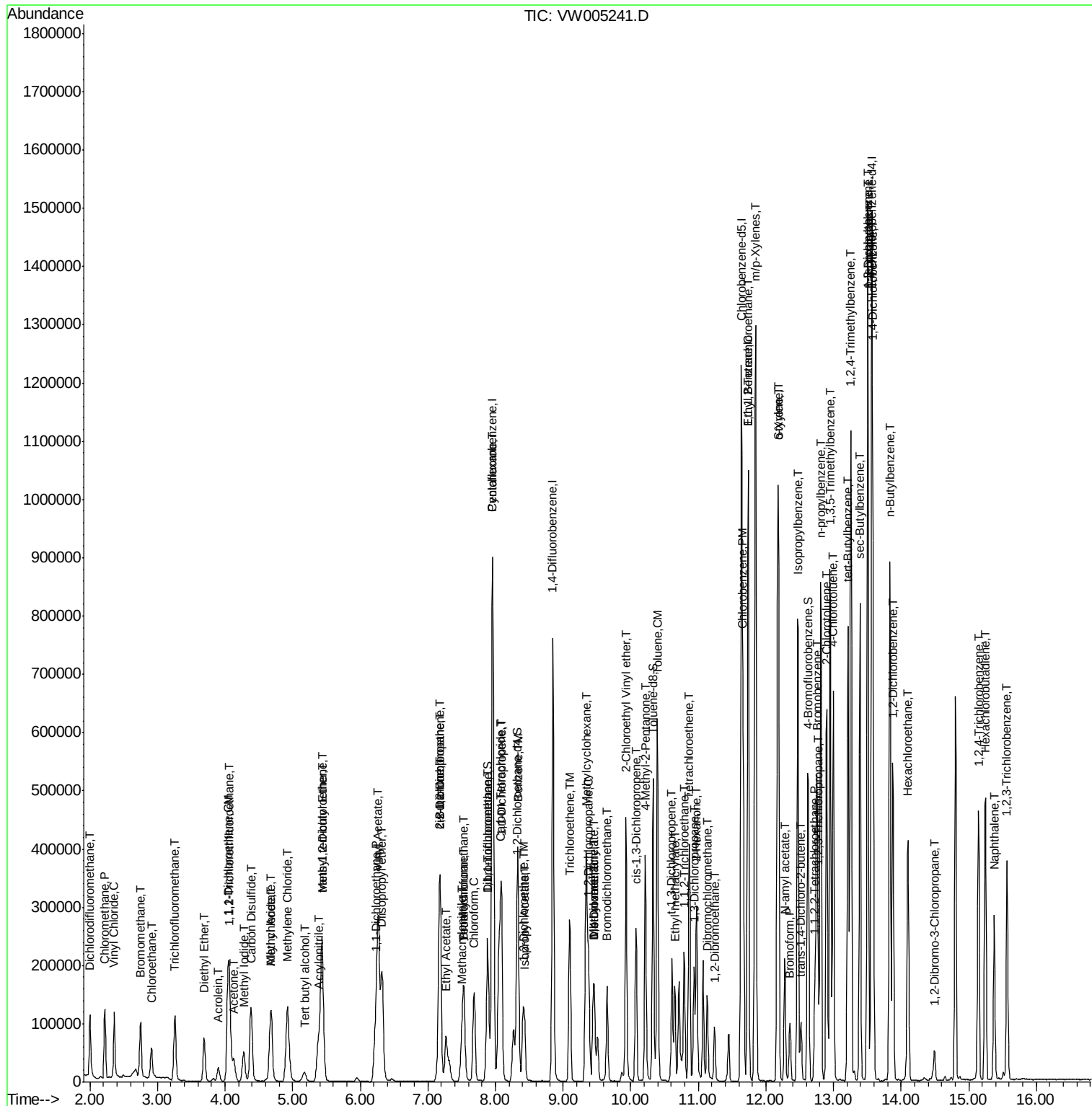
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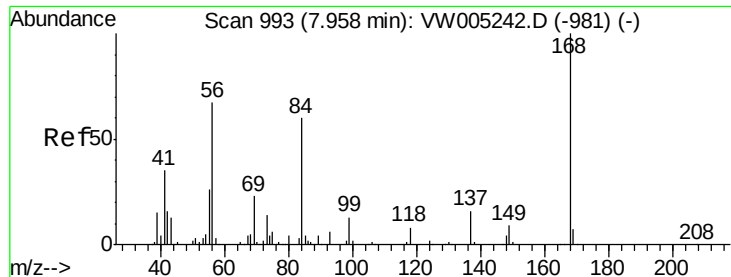
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 500022

Ion Ratio Lower Upper

168 100

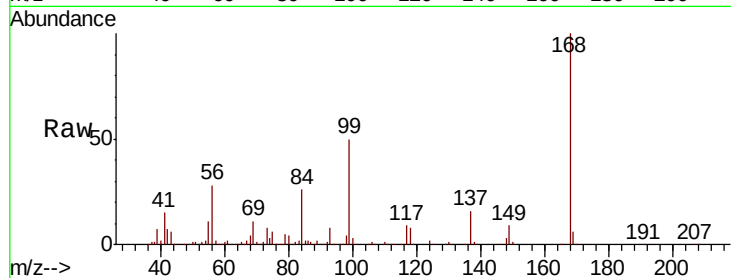
99 49.6 39.1 58.7

Manual Integrations

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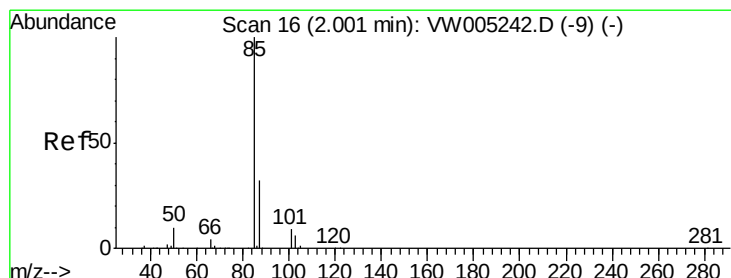
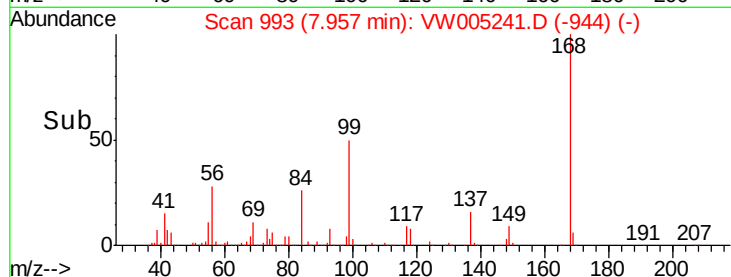
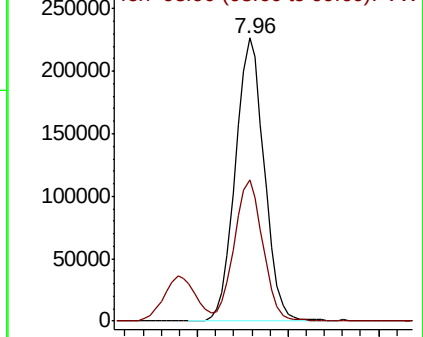
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.49 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW005241.D

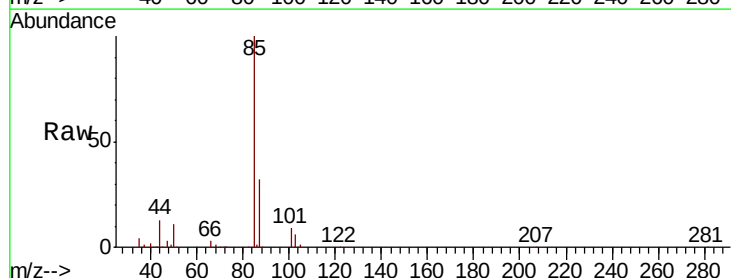
Acq: 10 Sep 2018 14:58

Tgt Ion: 85 Resp: 92683

Ion Ratio Lower Upper

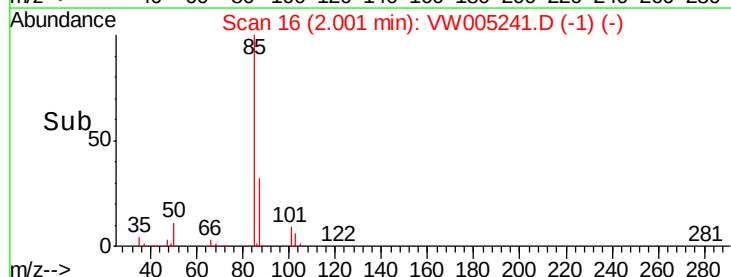
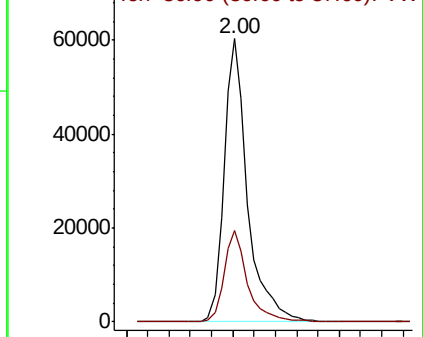
85 100

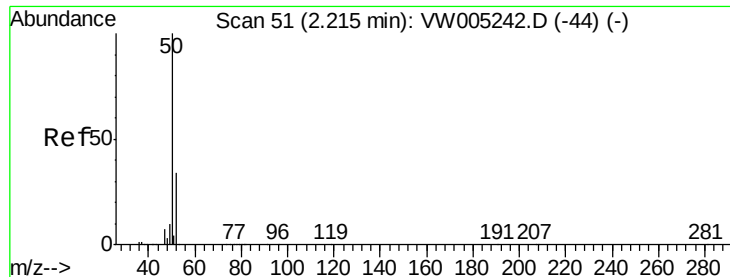
87 32.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.21 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 116550

Ion Ratio Lower Upper

50 100

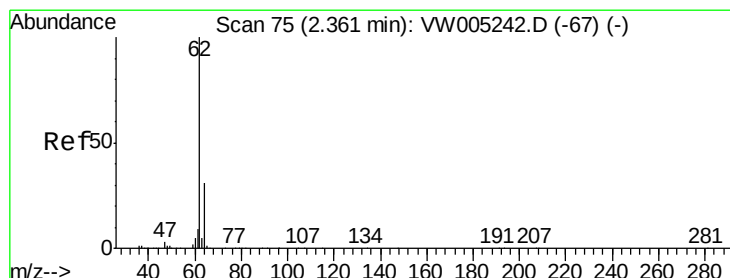
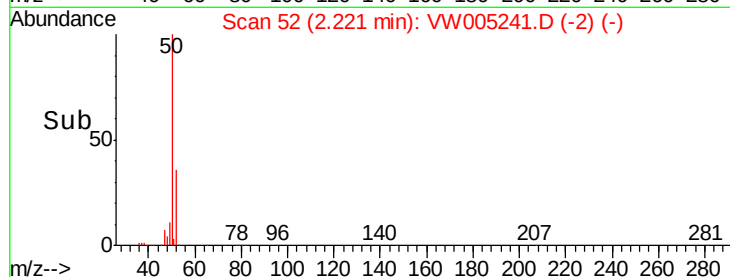
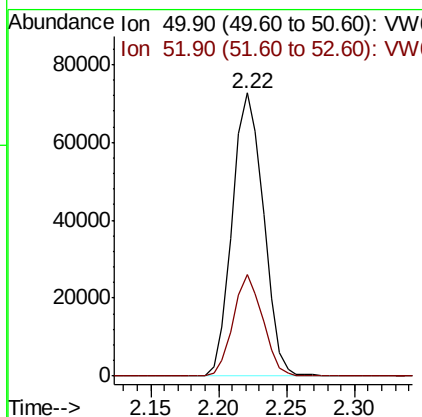
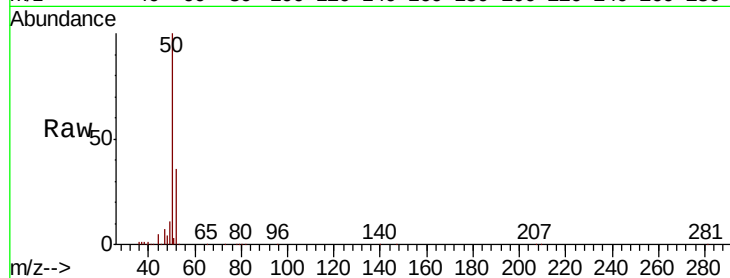
52 35.7 27.0 40.4

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#4

Vinyl Chloride

Concen: 20.02 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW005241.D

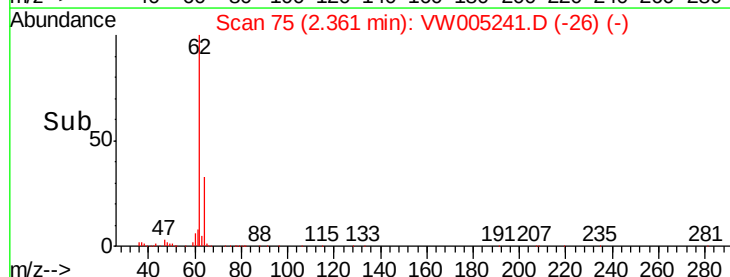
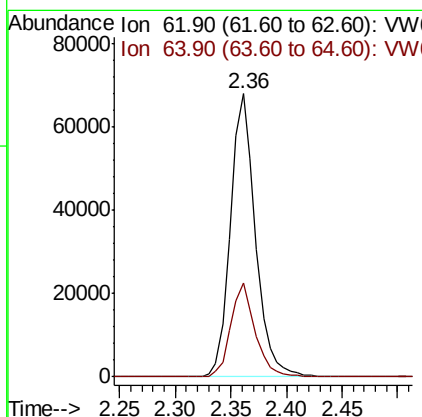
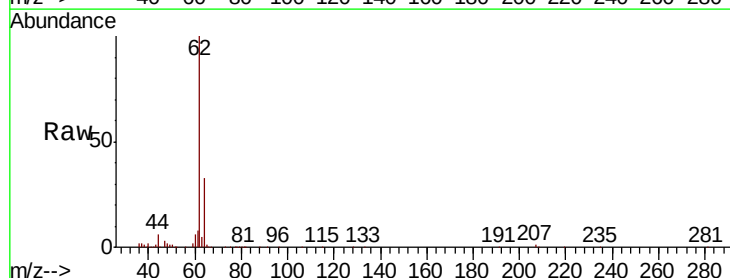
Acq: 10 Sep 2018 14:58

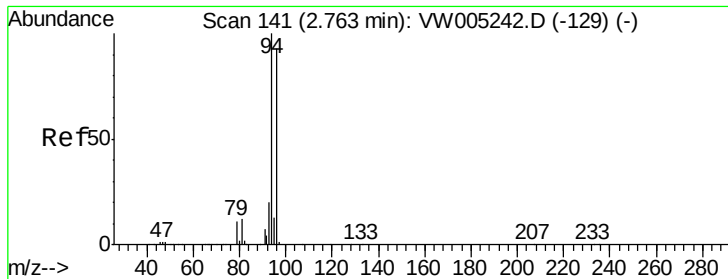
Tgt Ion: 62 Resp: 105976

Ion Ratio Lower Upper

62 100

64 33.3 24.6 37.0





#5

Bromomethane

Concen: 19.69 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 70940

Ion Ratio Lower Upper

94 100

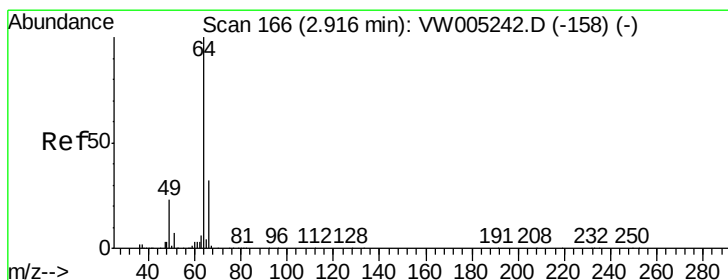
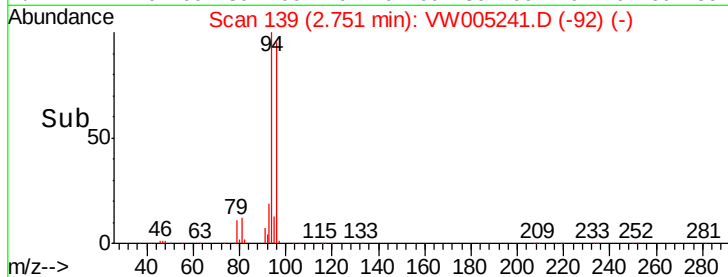
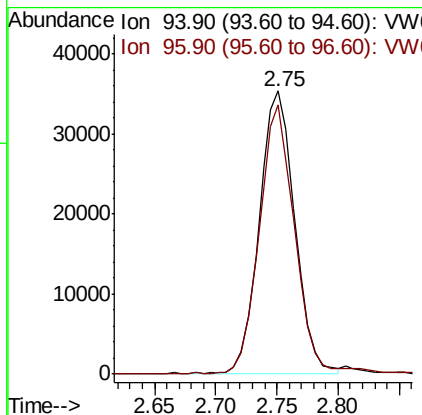
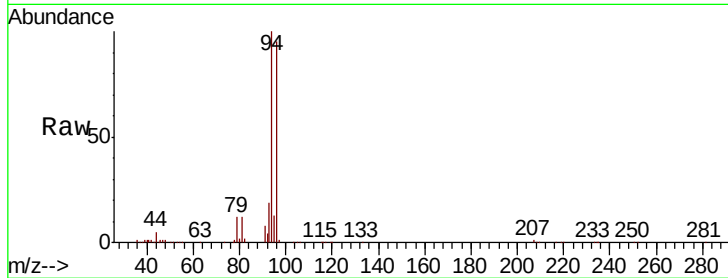
96 95.0 74.1 111.1

Manual Integrations

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#6

Chloroethane

Concen: 19.33 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW005241.D

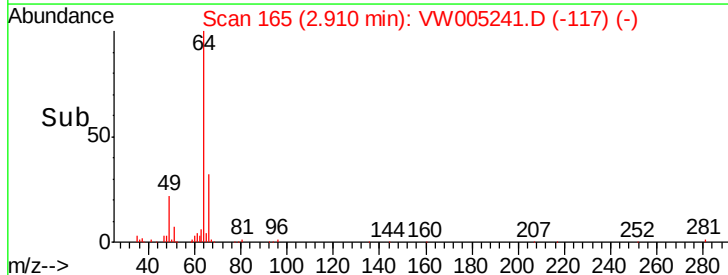
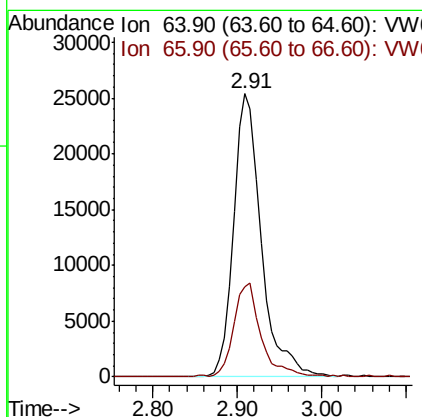
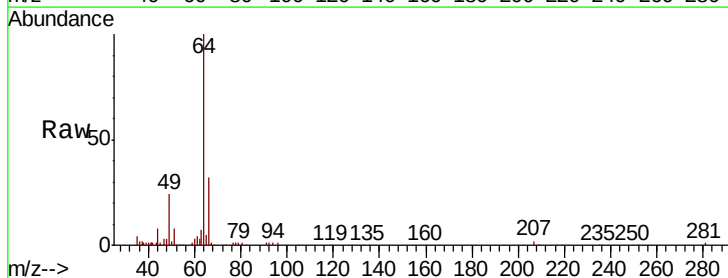
Acq: 10 Sep 2018 14:58

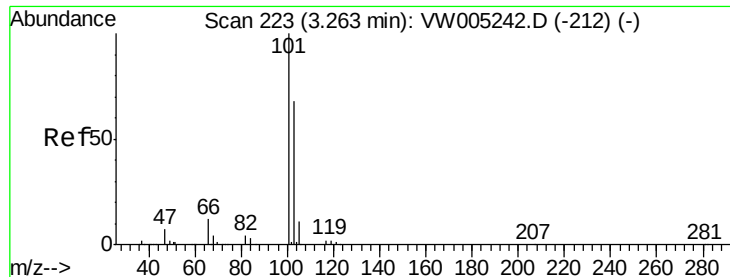
Tgt Ion: 64 Resp: 56357

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

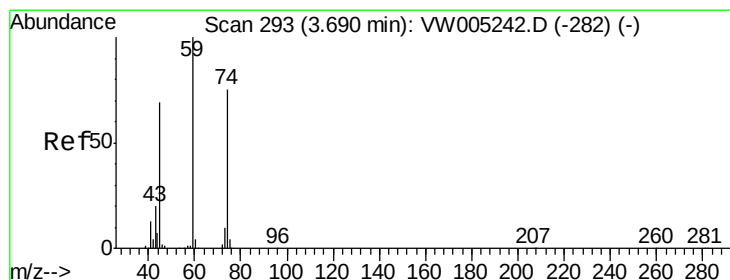
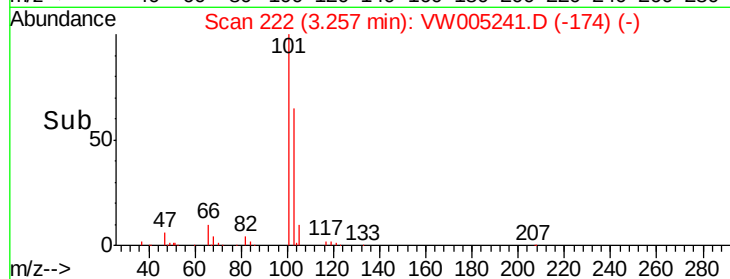
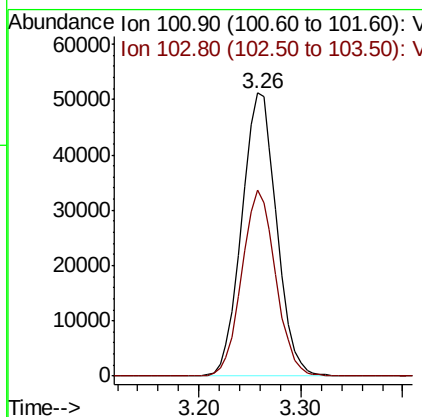
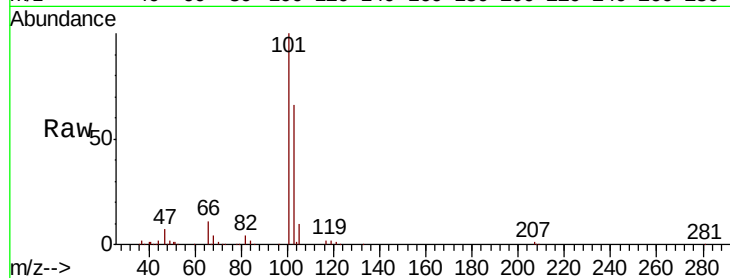
Trichlorofluoromethane
 Concen: 20.24 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	54.1	81.1

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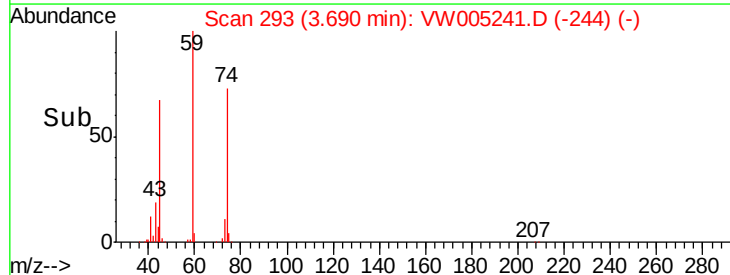
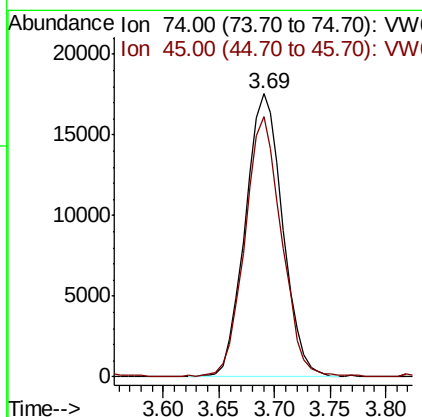
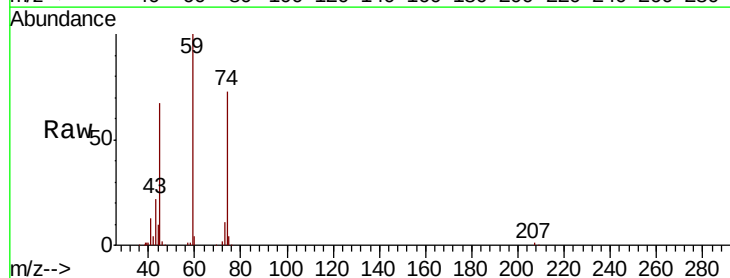
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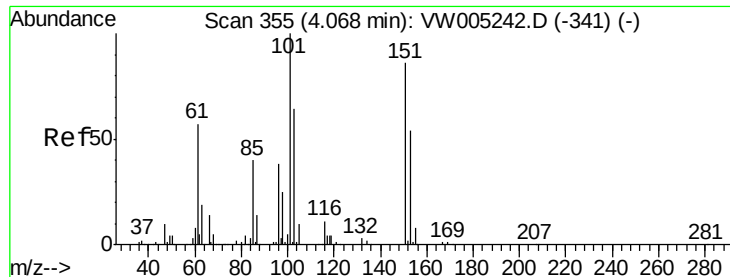


#8

Diethyl Ether
 Concen: 19.23 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.5	45.1	135.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.96 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW005241.D

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Instrument :

MSVOA_W

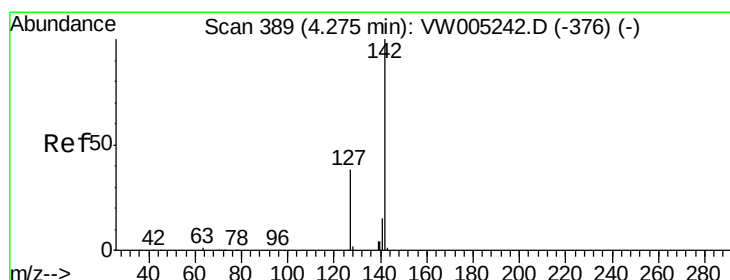
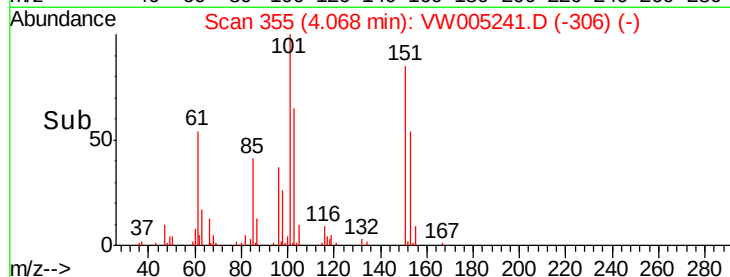
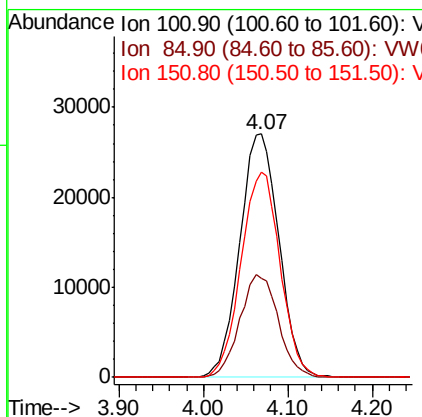
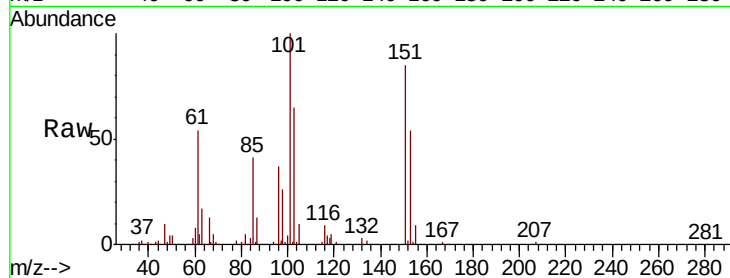
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	85375
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.7	49.1
151	83.9	67.6	101.4

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#10

Methyl Iodide

Concen: 18.63 ug/l

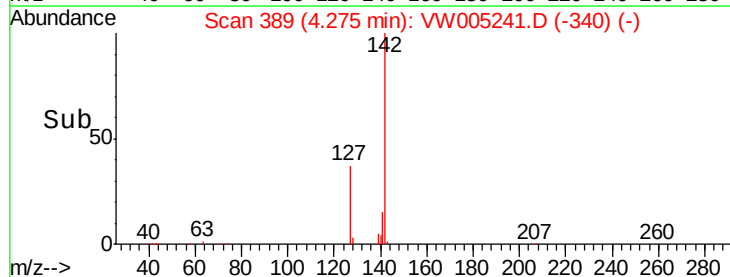
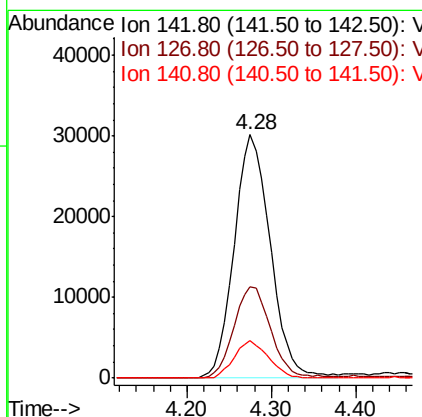
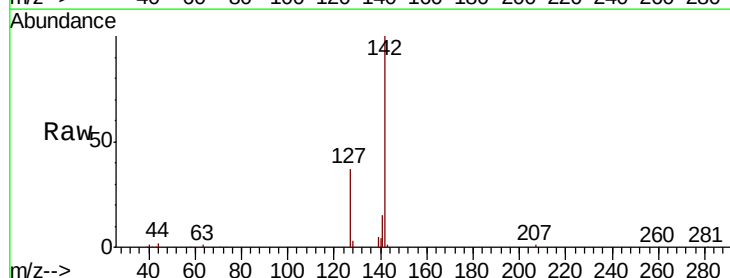
RT: 4.28 min Scan# 389

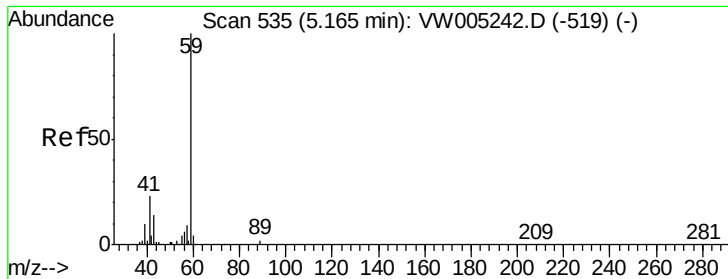
Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion:	142	Resp:	87756
Ion Ratio	Lower	Upper	
142	100		
127	38.1	30.3	45.5
141	14.6	11.4	17.0





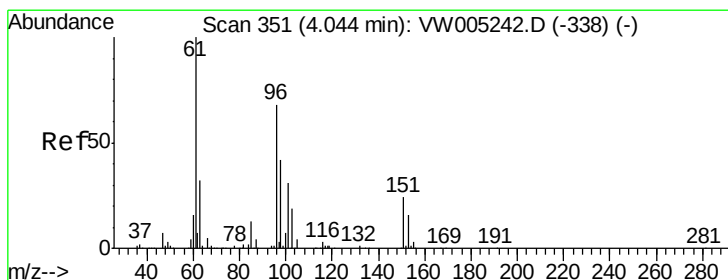
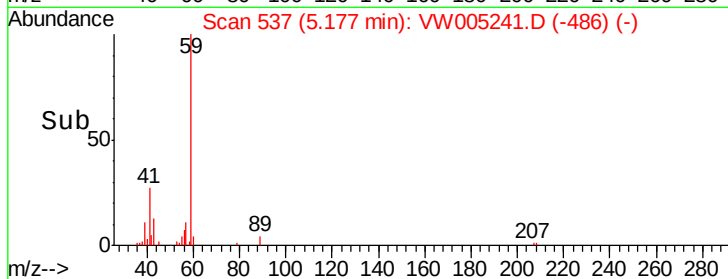
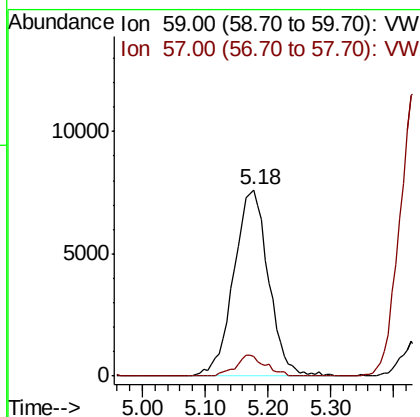
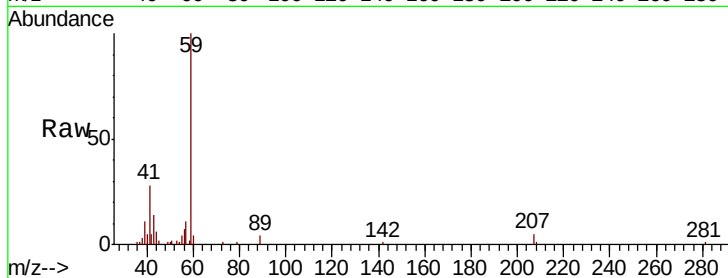
#11
Tert butyl alcohol
Concen: 95.58 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.1	12.1

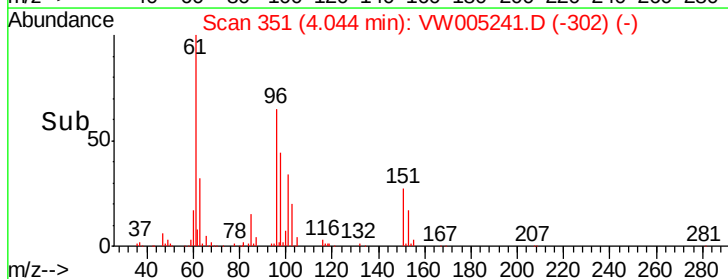
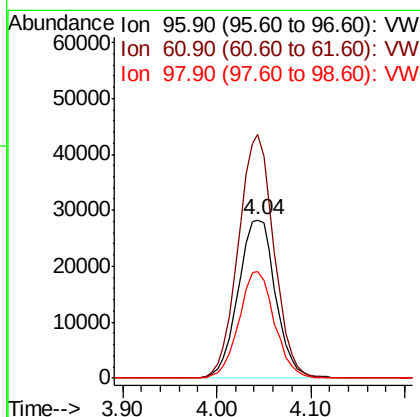
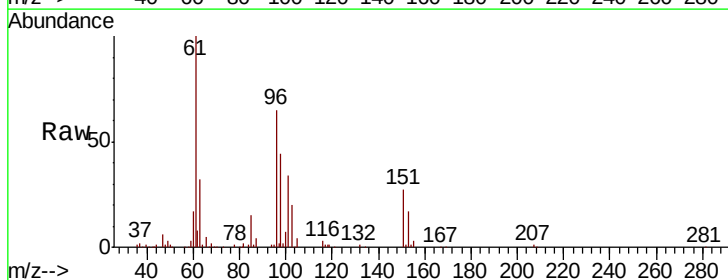
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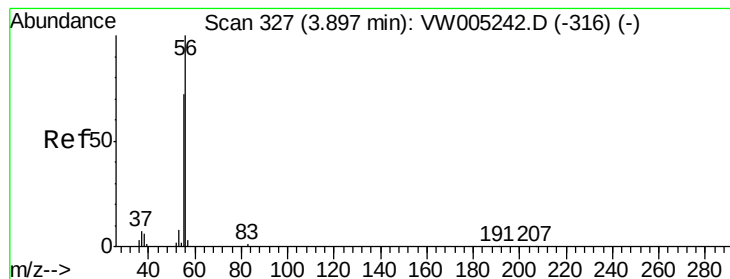
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#12
1,1-Dichloroethene
Concen: 19.90 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.3	118.2	177.2
98	67.8	49.9	74.9





#13

Acrolein

Concen: 101.69 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 30044

Ion Ratio Lower Upper

56 100

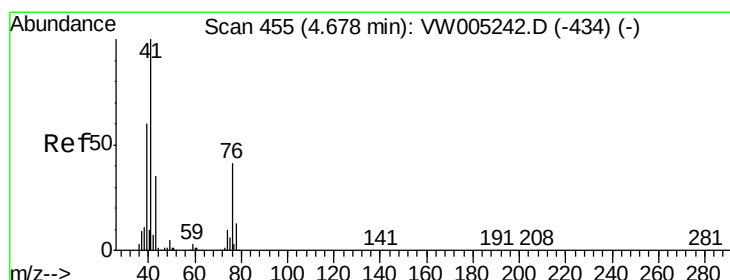
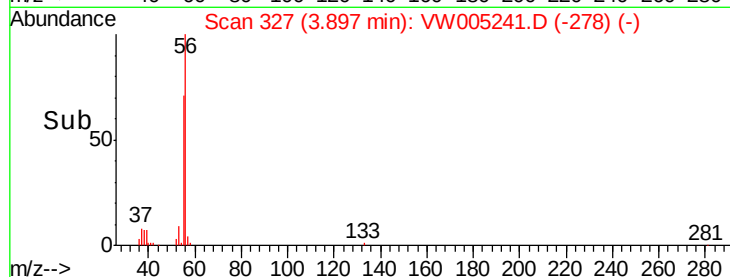
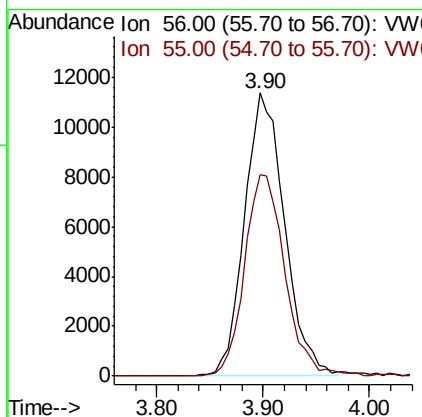
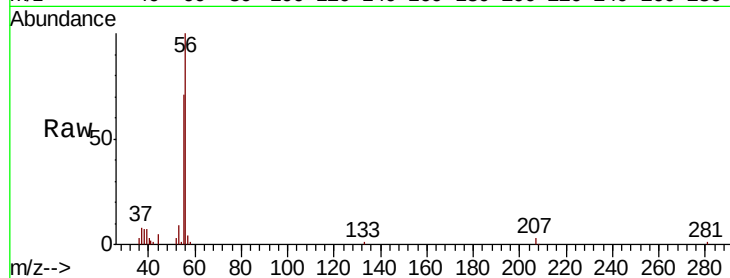
55 71.5 56.8 85.2

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#14

Allyl chloride

Concen: 19.12 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

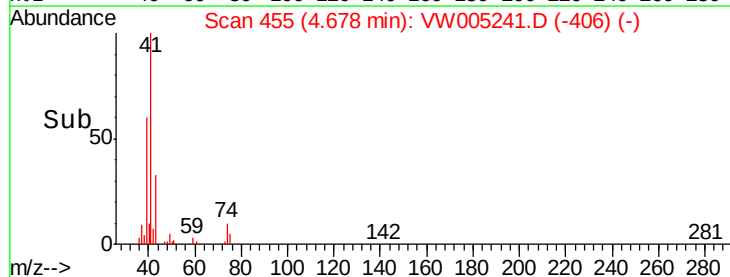
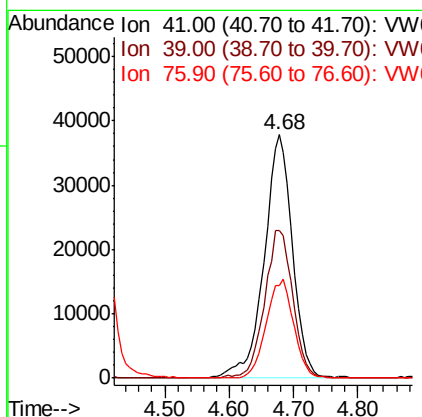
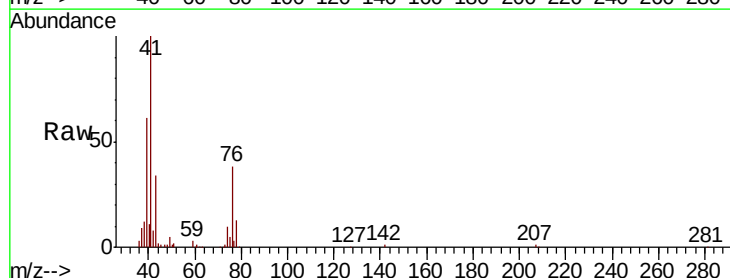
Tgt Ion: 41 Resp: 115706

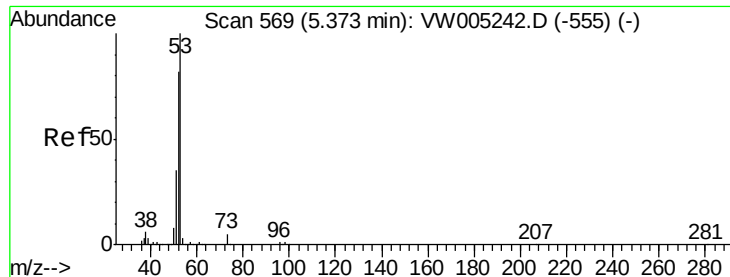
Ion Ratio Lower Upper

41 100

39 60.9 48.2 72.4

76 39.3 31.7 47.5





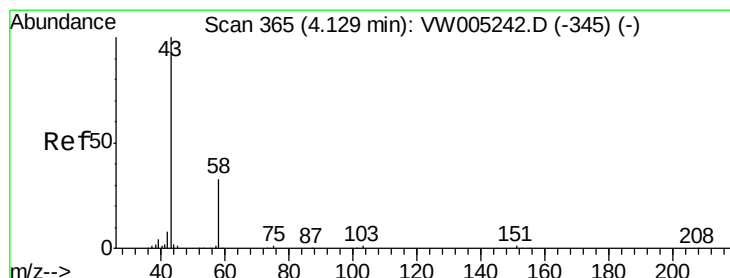
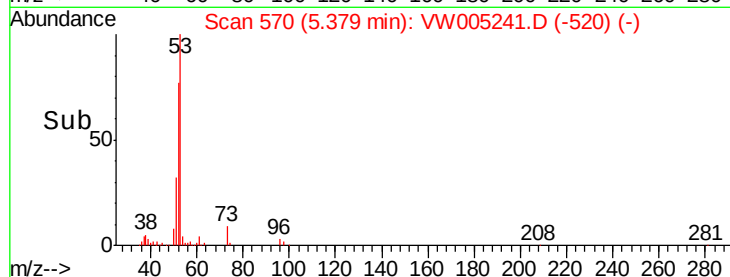
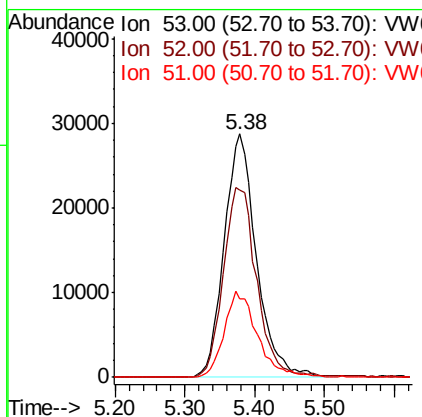
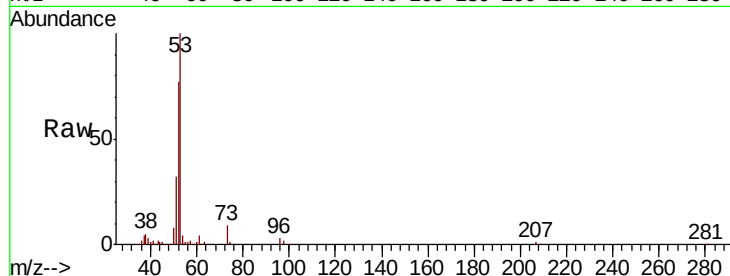
#15
 Acrylonitrile
 Concen: 95.58 ug/l
 RT: 5.38 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	53	Resp:	92032
Ion	Ratio	Lower	Upper
53	100		
52	80.6	66.0	99.0
51	36.2	28.6	43.0

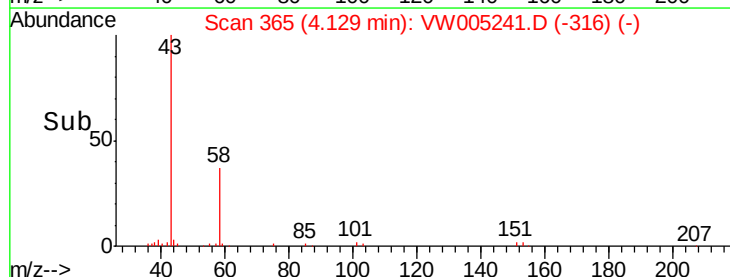
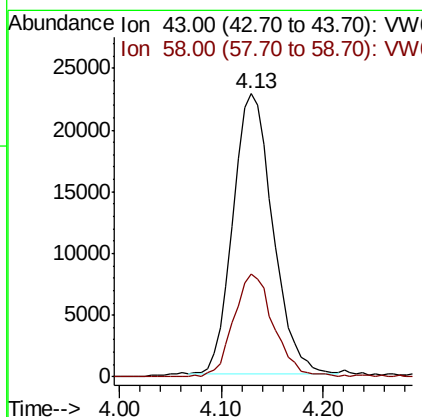
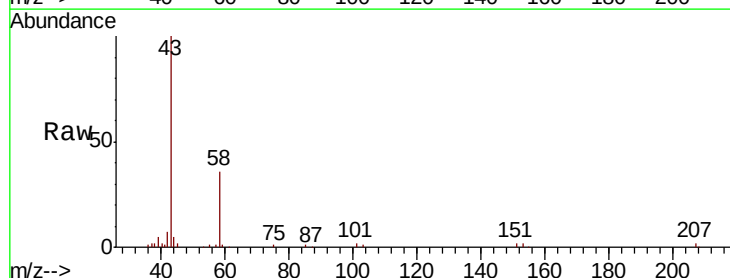
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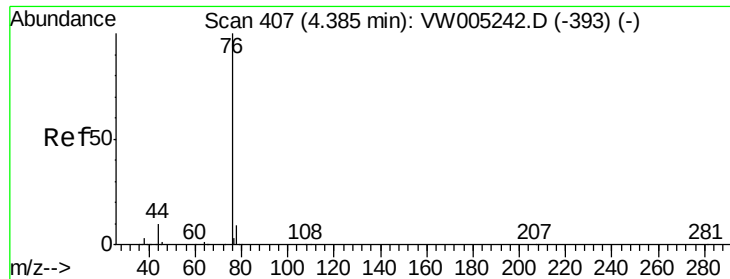
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#16
 Acetone
 Concen: 89.33 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion:	43	Resp:	61840
Ion	Ratio	Lower	Upper
43	100		
58	36.5	26.7	40.1





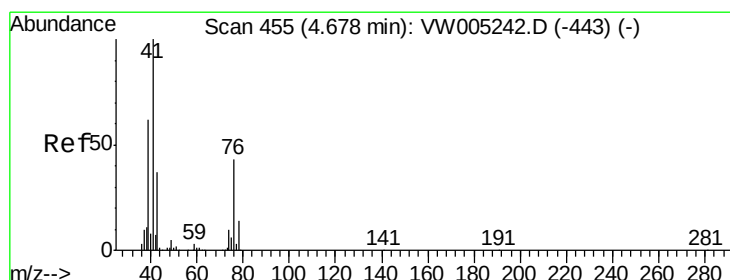
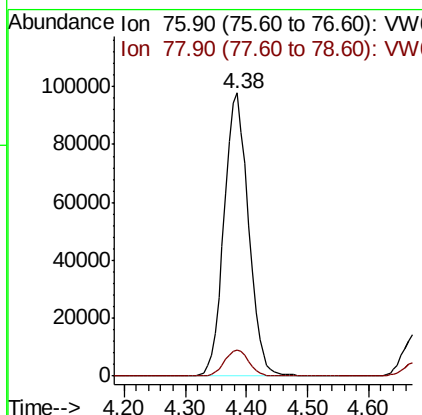
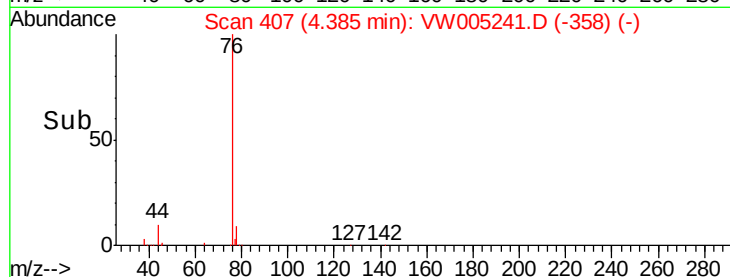
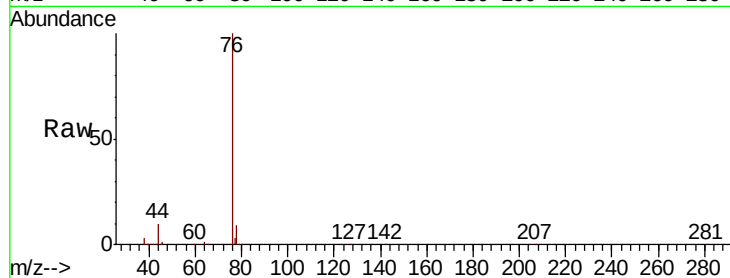
#17
Carbon Disulfide
Concen: 19.47 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

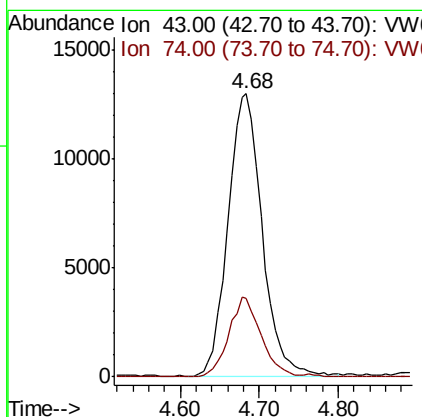
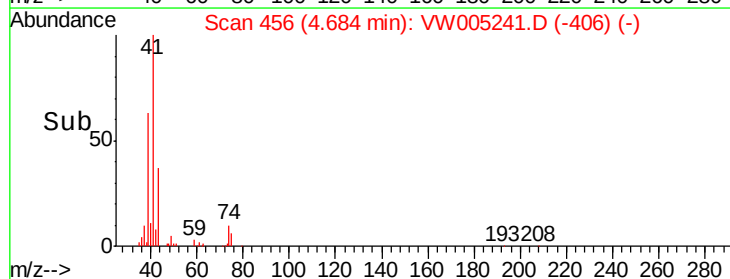
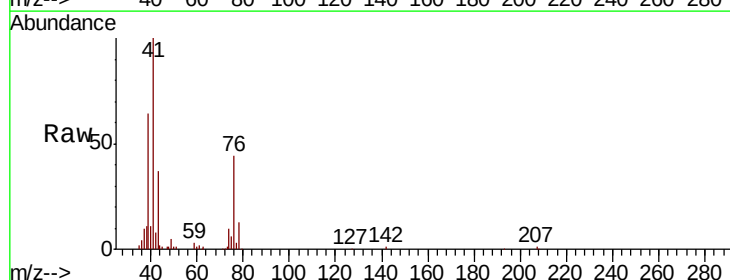
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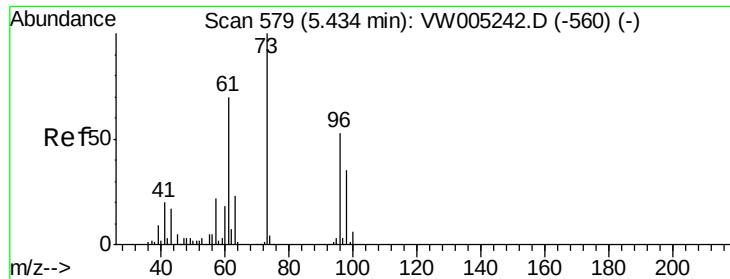
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#18
Methyl Acetate
Concen: 19.02 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	21.4	32.2





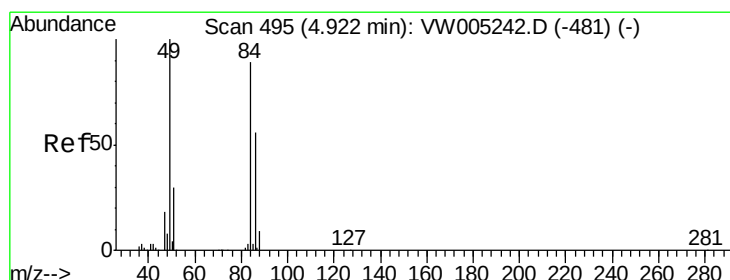
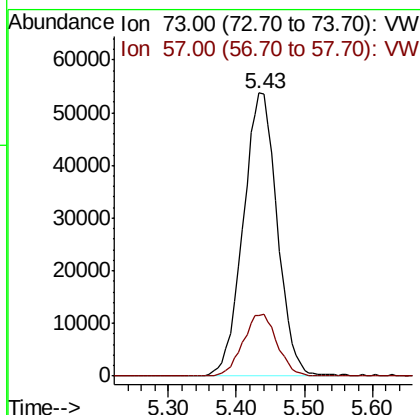
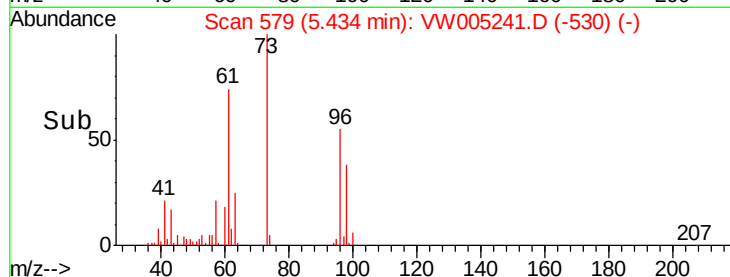
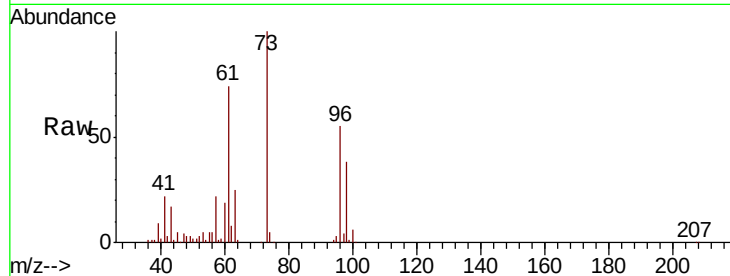
#19
Methyl tert-butyl Ether
Concen: 19.93 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 186993
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.2

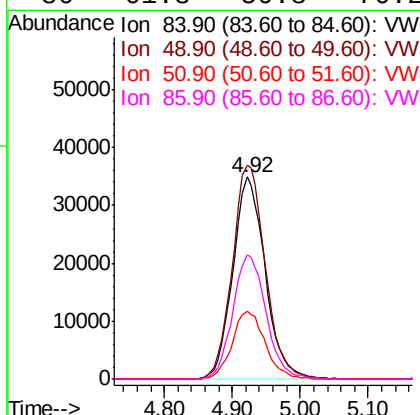
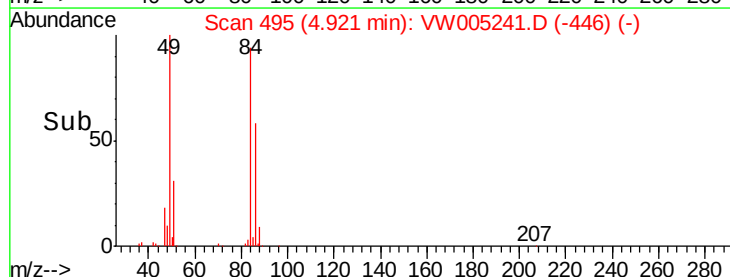
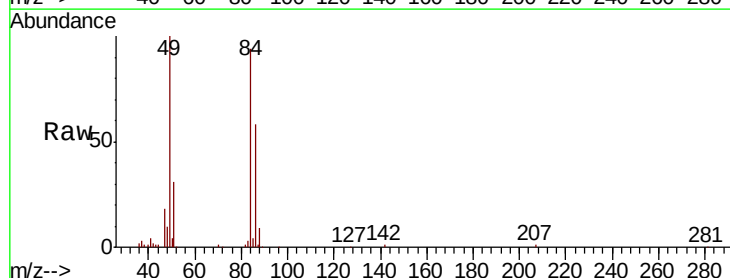
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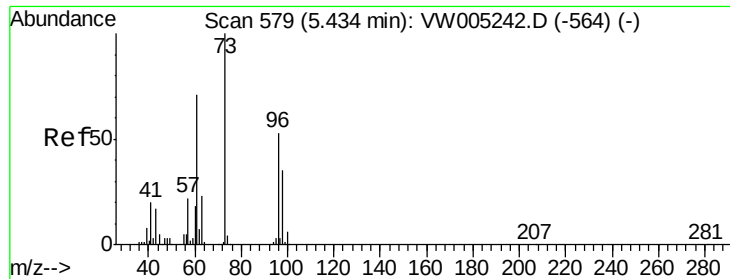
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#20
Methylene Chloride
Concen: 19.63 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion: 84 Resp: 115199
Ion Ratio Lower Upper
84 100
49 105.9 90.3 135.5
51 33.3 26.9 40.3
86 61.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.65 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

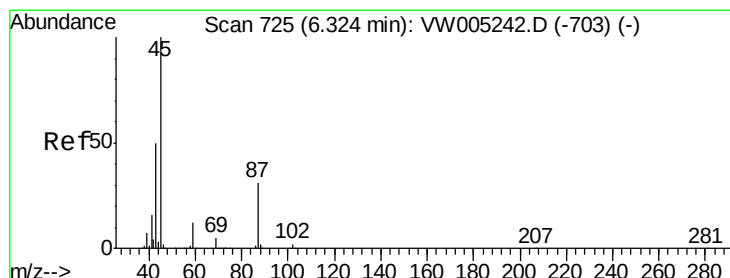
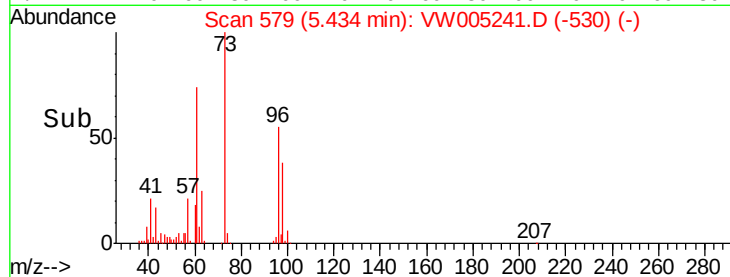
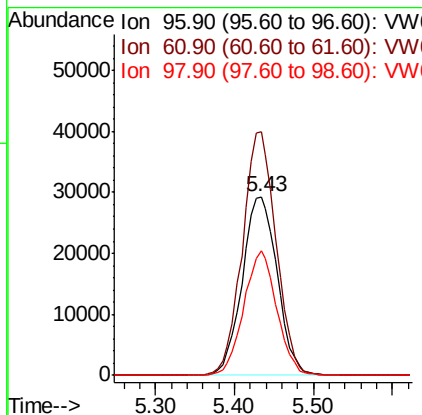
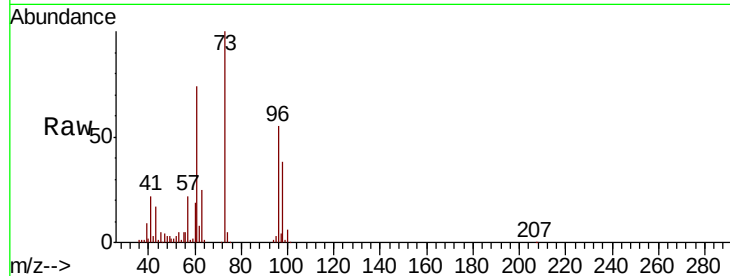
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	90355
Ion	Ratio	Lower	Upper
96	100		
61	136.3	105.7	158.5
98	70.0	52.8	79.2

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#22

Diisopropyl ether

Concen: 19.92 ug/l

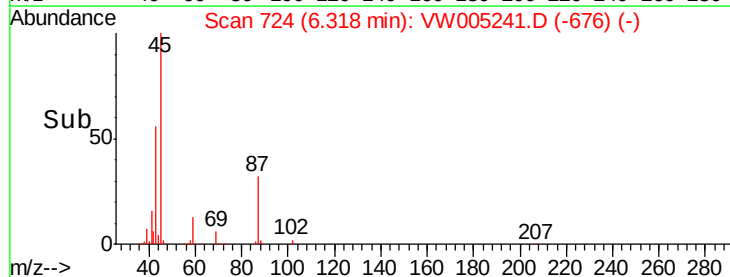
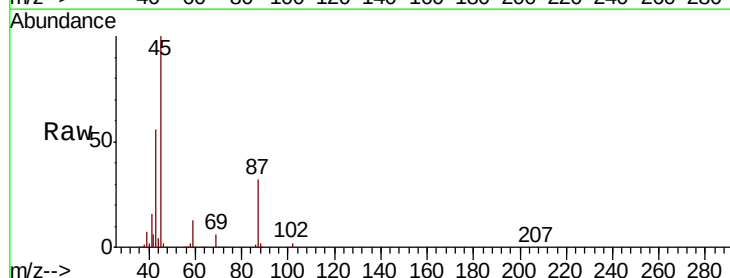
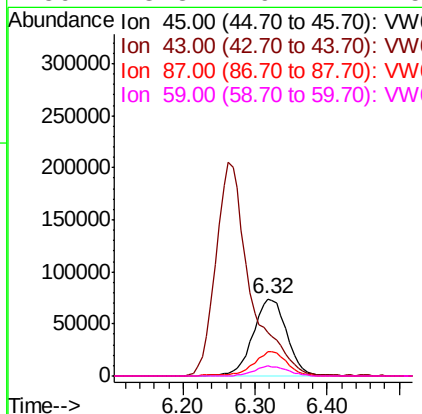
RT: 6.32 min Scan# 724

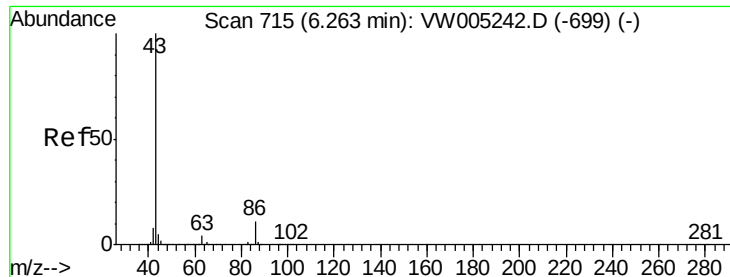
Delta R.T. -0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion:	45	Resp:	242709
Ion	Ratio	Lower	Upper
45	100		
43	55.2	39.6	59.4
87	31.4	24.7	37.1
59	13.3	9.7	14.5





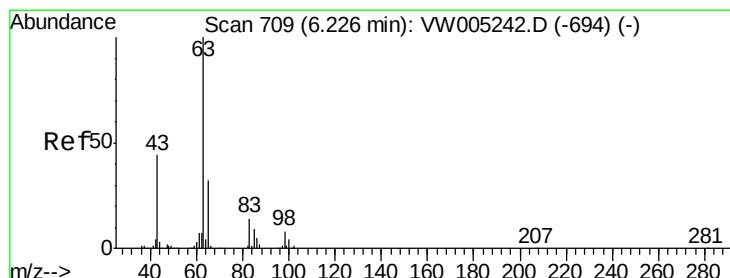
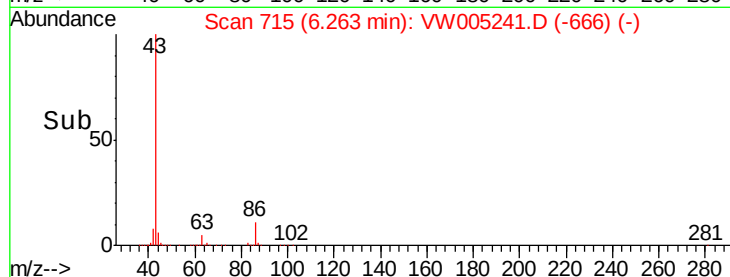
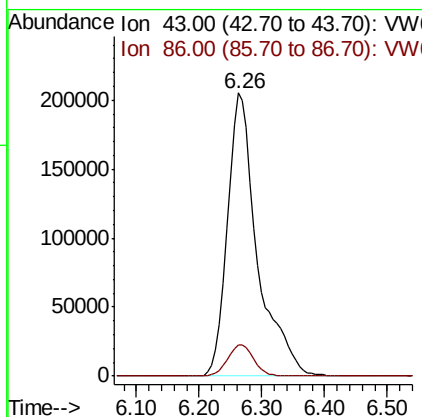
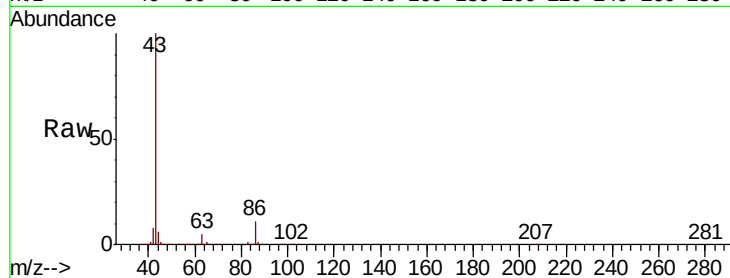
#23
 Vinyl Acetate
 Concen: 100.00 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	43	Resp	678997
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.9	13.3

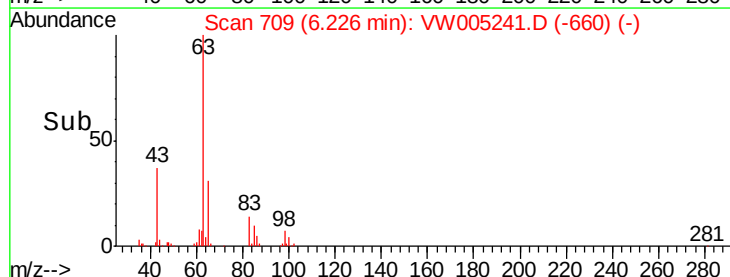
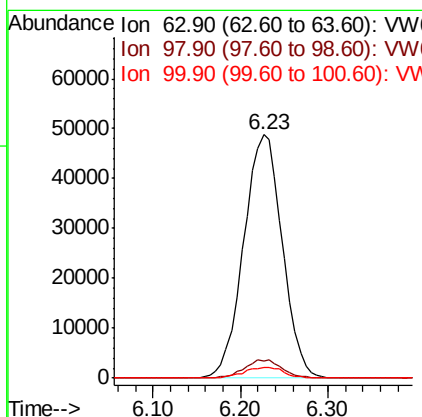
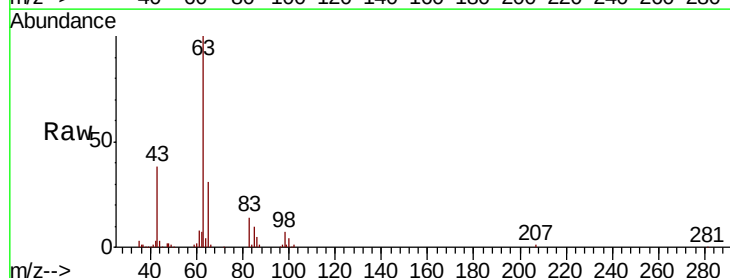
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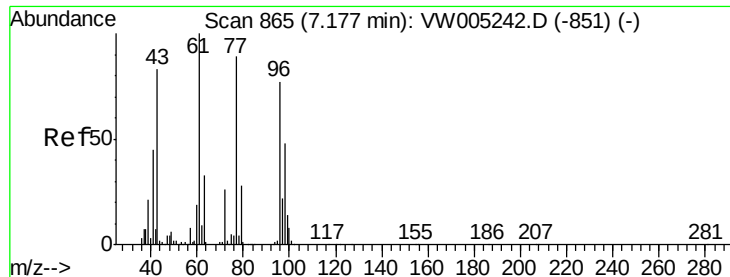
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#24
 1,1-Dichloroethane
 Concen: 19.98 ug/l
 RT: 6.23 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion	63	Resp	149871
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.8	11.4
100	4.3	2.2	6.6





#25

2-Butanone

Concen: 96.60 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 105478

Ion Ratio Lower Upper

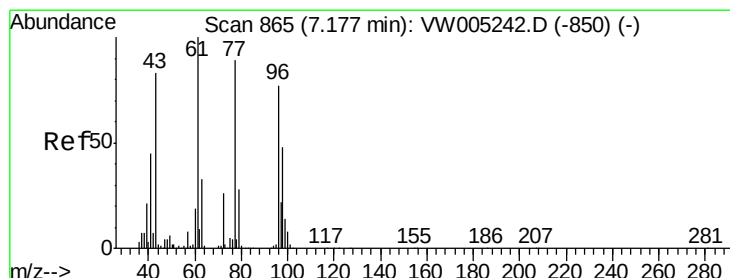
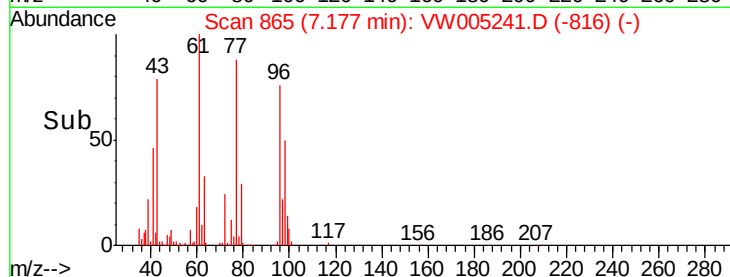
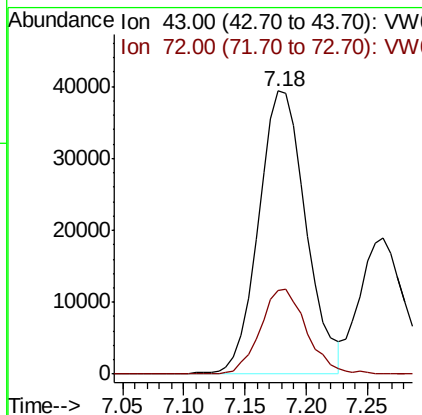
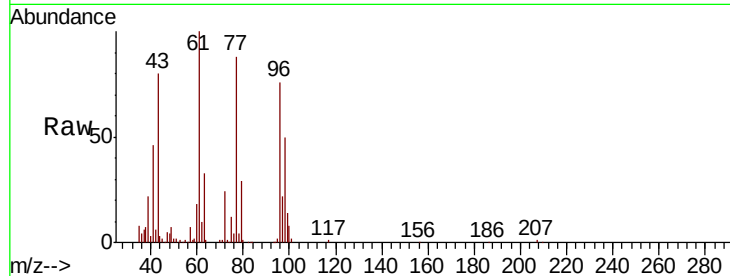
43 100

72 29.8 25.0 37.6

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#26

2,2-Dichloropropane

Concen: 20.03 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW005241.D

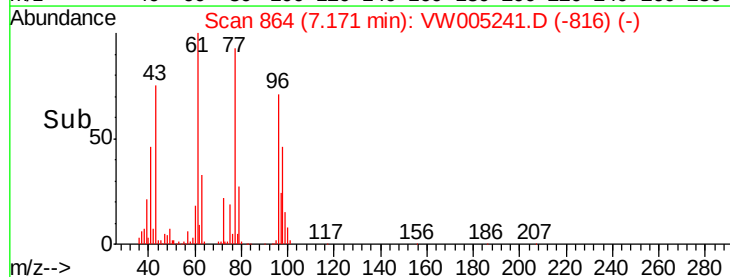
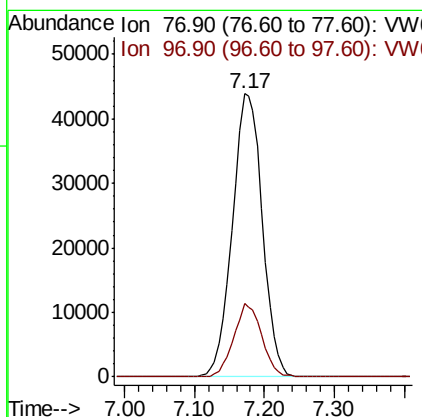
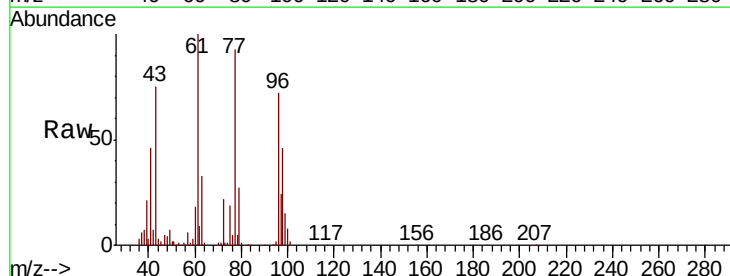
Acq: 10 Sep 2018 14:58

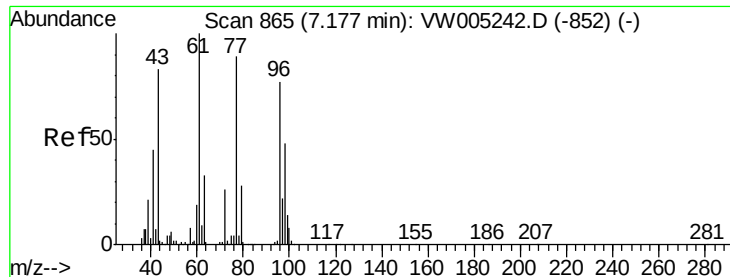
Tgt Ion: 77 Resp: 130259

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

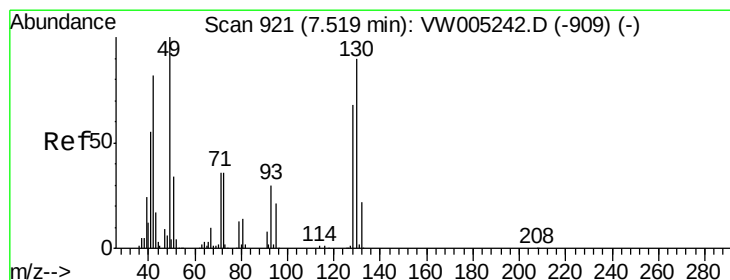
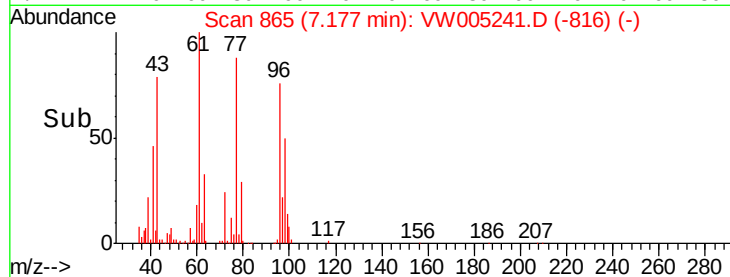
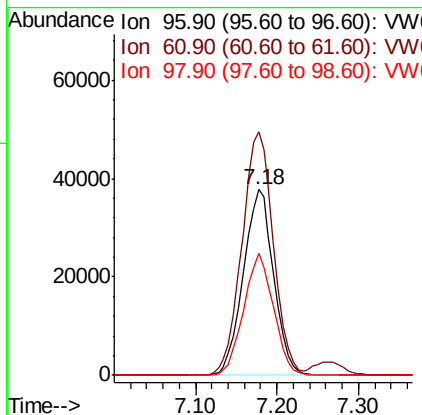
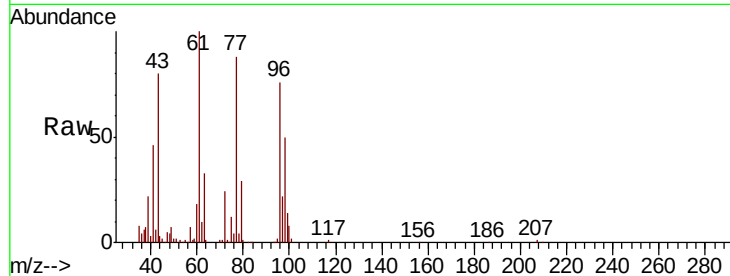
cis-1,2-Dichloroethene
 Concen: 19.82 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	0.0	273.4
98	64.5	0.0	127.8

Manual Integrations
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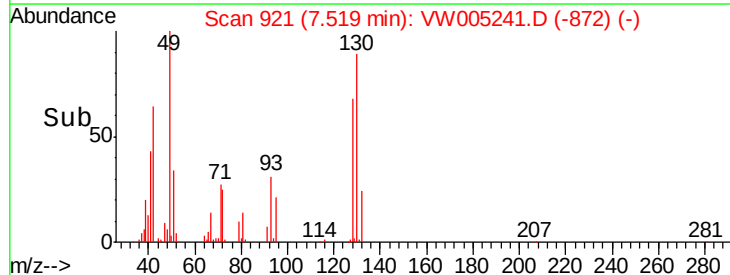
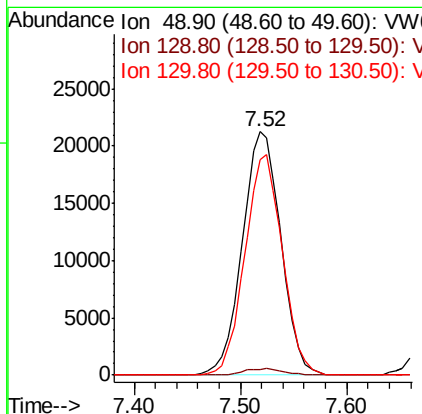
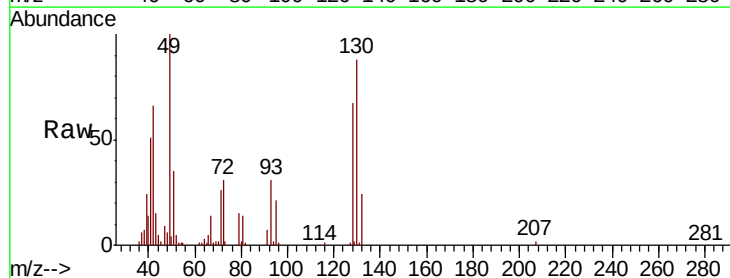
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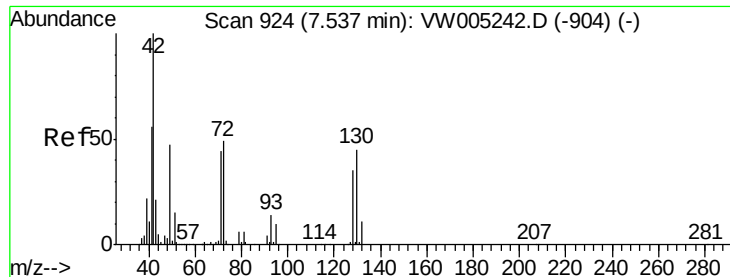


#28

Bromochloromethane
 Concen: 19.53 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	2.0#
130	88.2	71.2	106.8





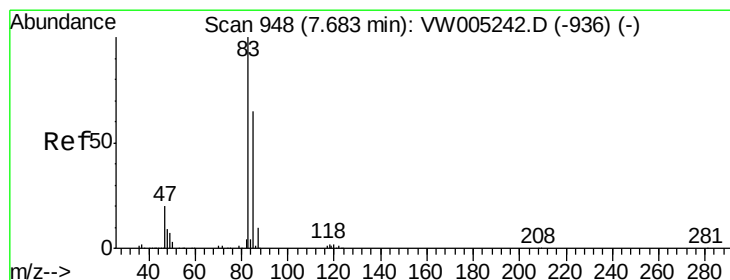
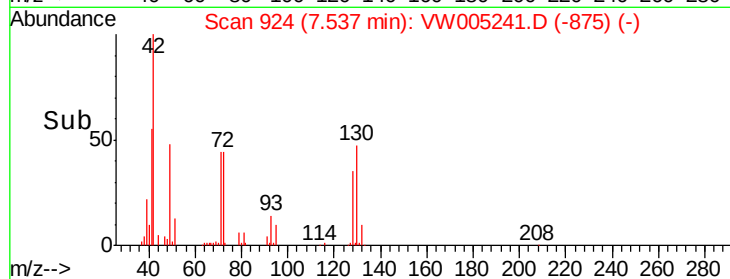
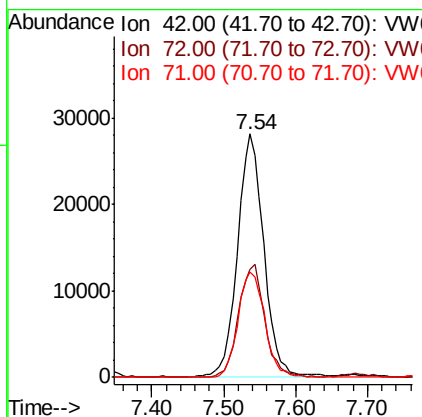
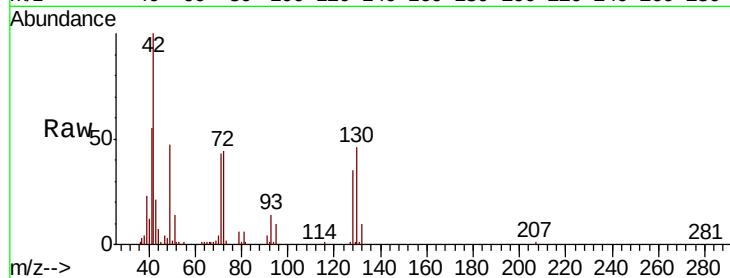
#29
Tetrahydrofuran
Concen: 97.43 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.5	56.3
71	43.8	34.8	52.2

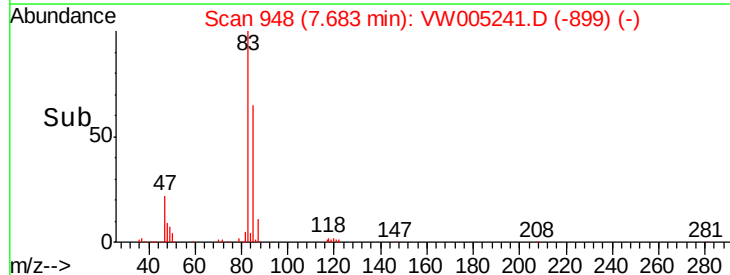
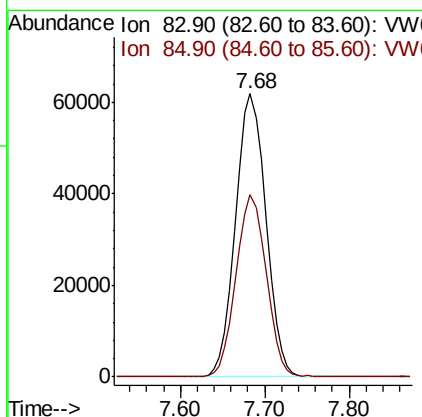
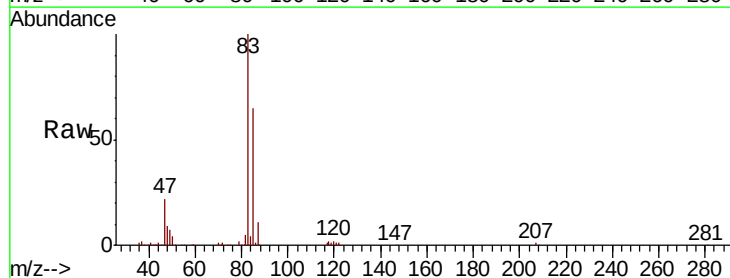
Manual Integrations
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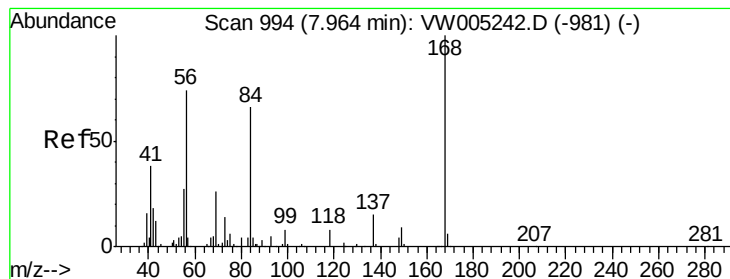
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#30
Chloroform
Concen: 20.06 ug/l
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5





#31

Cyclohexane

Concen: 20.04 ug/l

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

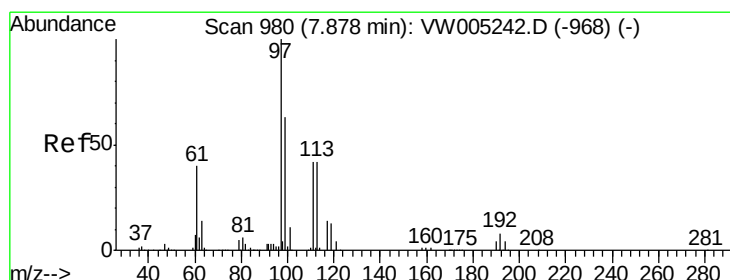
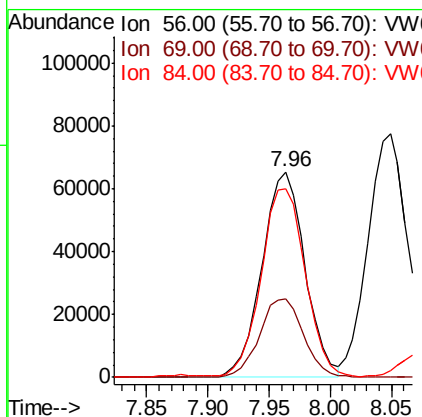
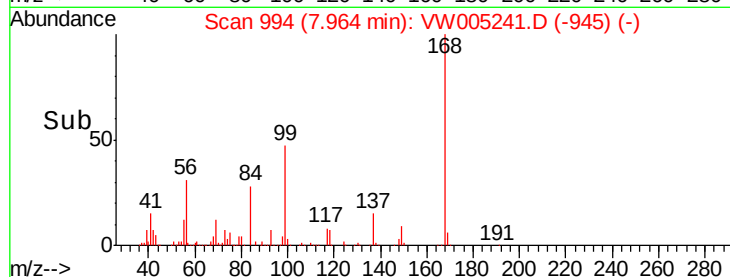
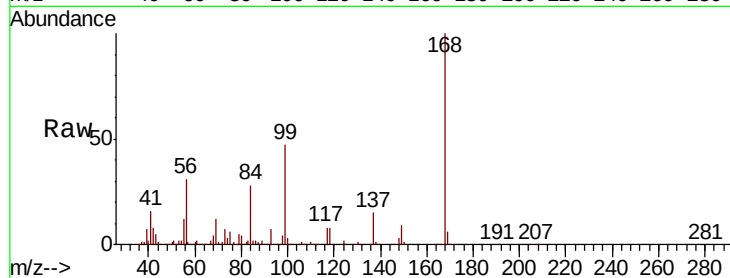
ClientSampled :

VSTDIC020

Tot Ion:	56	Resp:	159913
Ion	Ratio	Lower	Upper
56	100		
69	38.3	27.8	41.8
84	90.7	72.1	108.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.93 ug/l

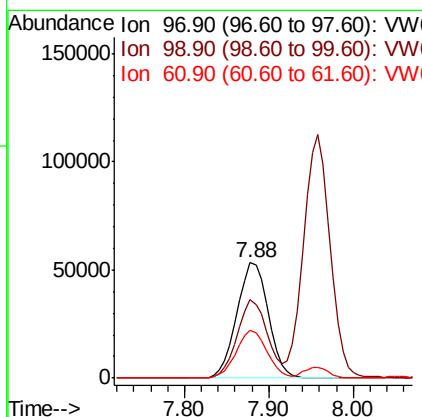
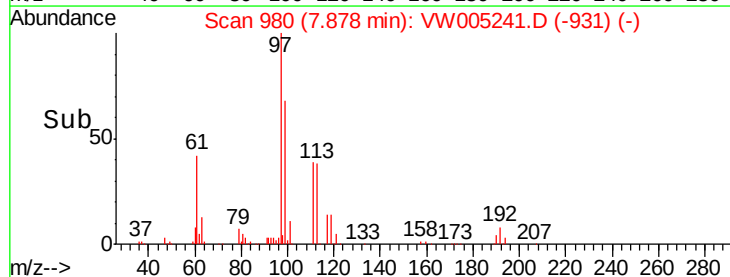
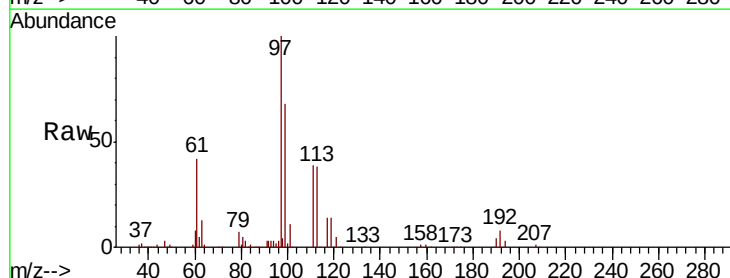
RT: 7.88 min Scan# 980

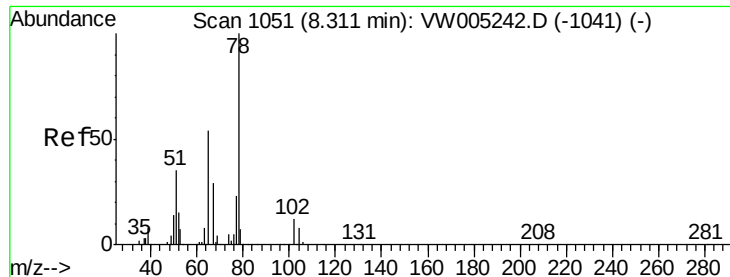
Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion:	97	Resp:	135505
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.5	77.3
61	40.6	32.5	48.7





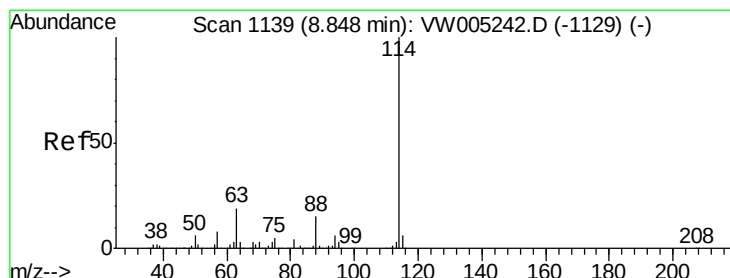
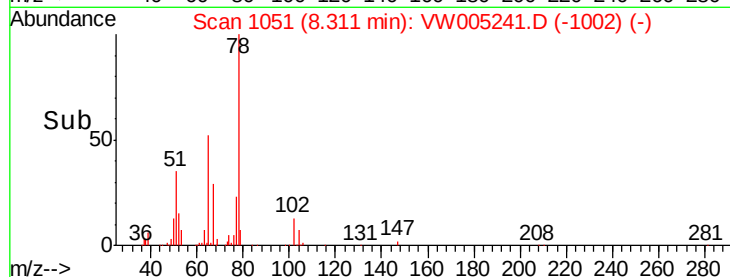
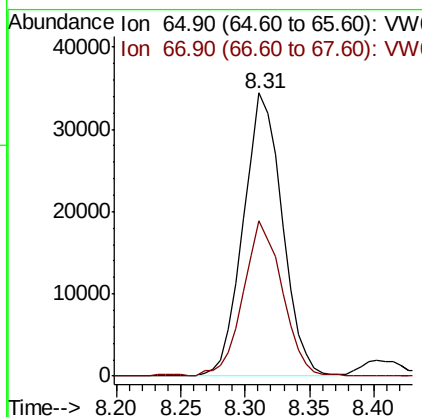
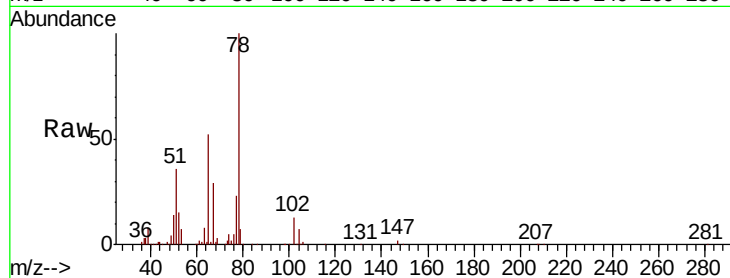
#33
 1,2-Dichloroethane-d4
 Concen: 19.37 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	72256		
67	55.1	0.0	112.2	

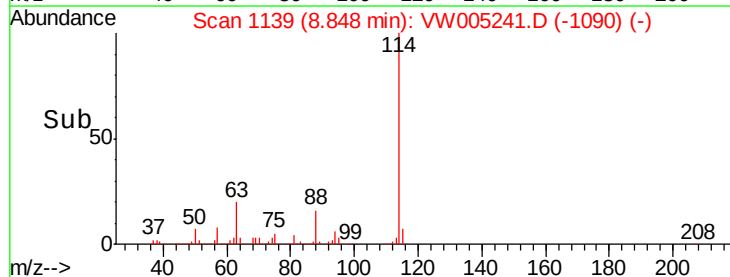
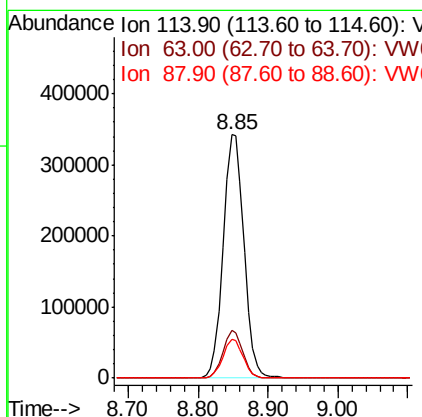
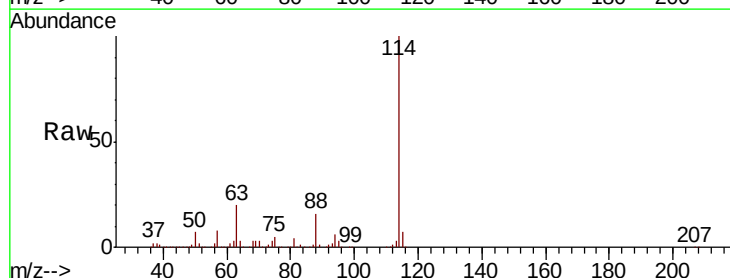
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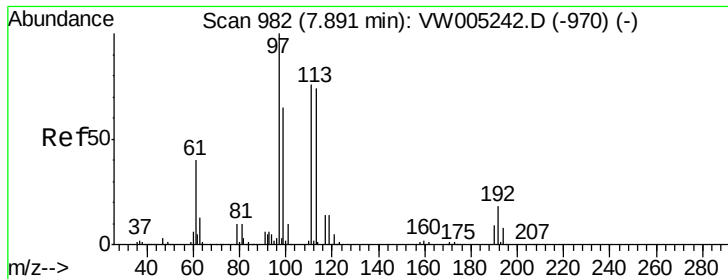
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	704625		
63	19.6	0.0	37.0	
88	15.9	0.0	30.4	





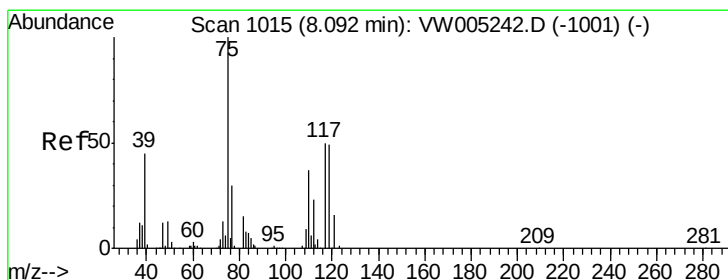
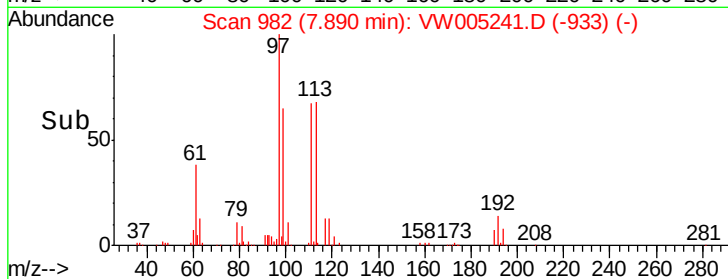
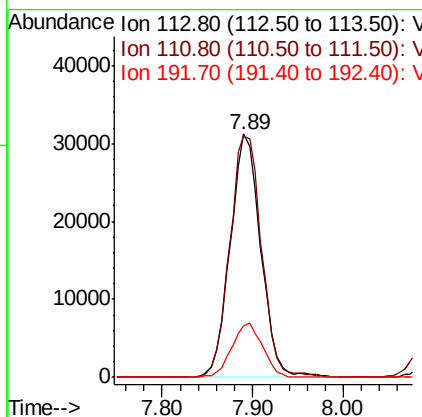
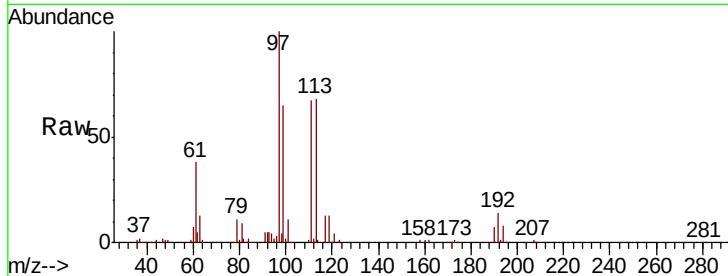
#35
 Dibromofluoromethane
 Concen: 19.75 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	80.6	121.0
192	22.3	18.3	27.5

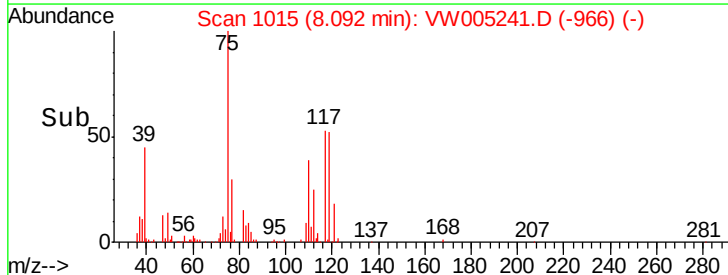
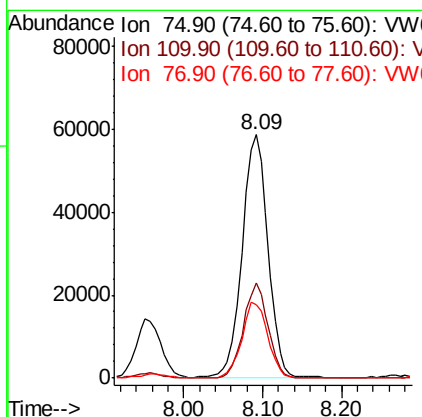
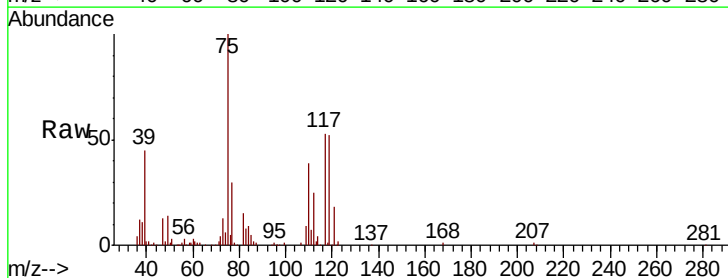
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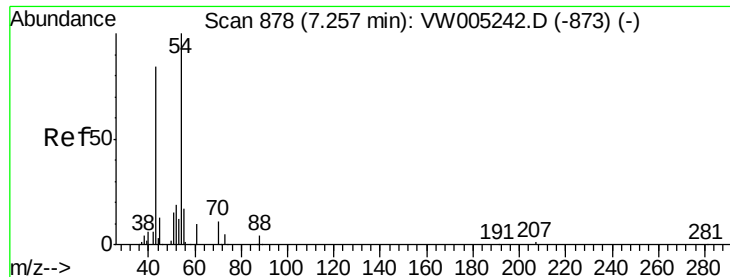
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#36
 1,1-Dichloropropene
 Concen: 20.71 ug/l
 RT: 8.09 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.8	56.4
77	31.5	24.9	37.3





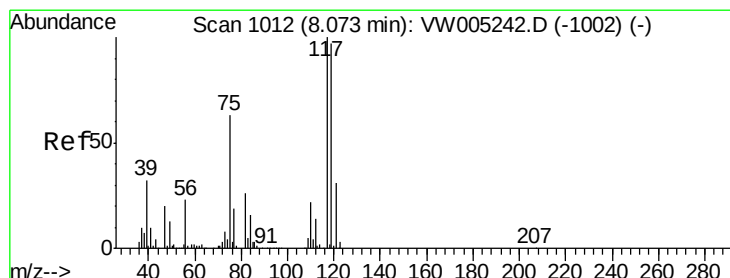
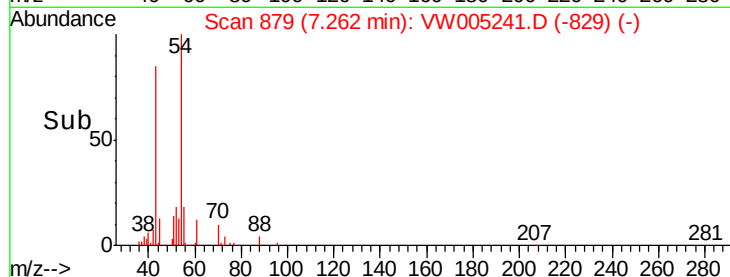
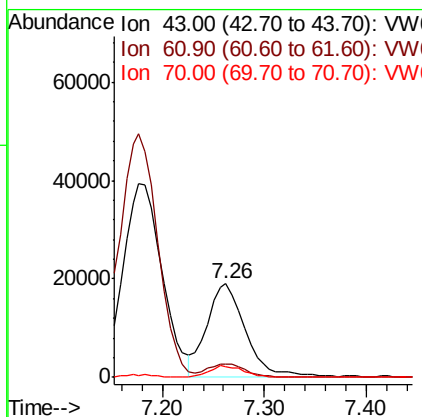
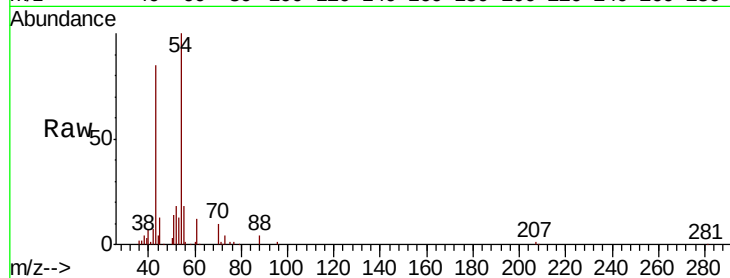
#37
Ethyl Acetate
Concen: 20.09 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.3	18.5
70	11.9	9.5	14.3

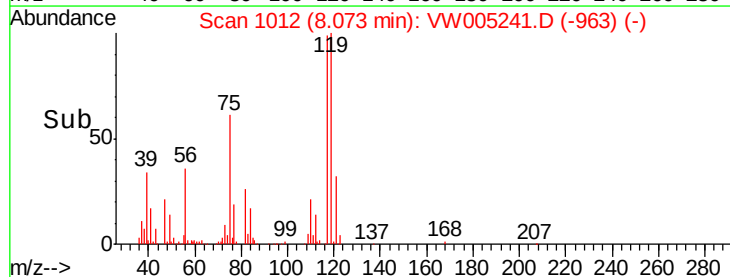
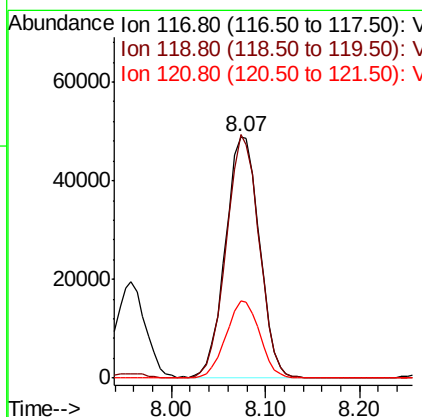
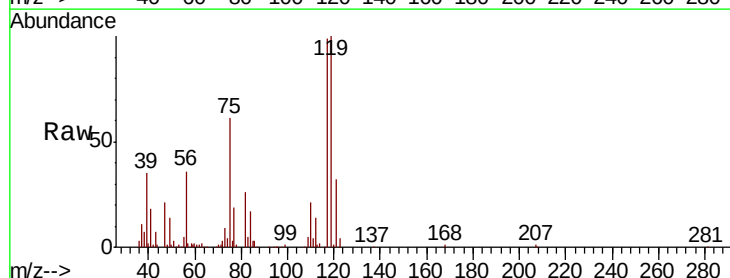
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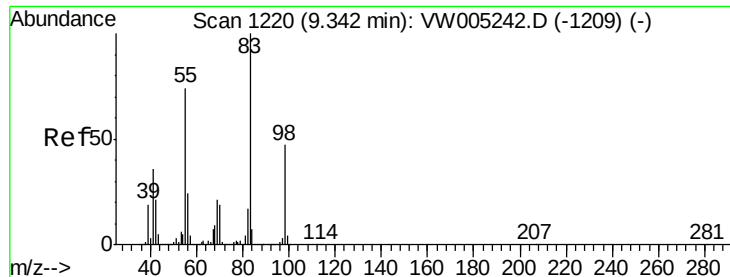
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#38
Carbon Tetrachloride
Concen: 20.36 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.7	77.5	116.3
121	31.8	24.7	37.1





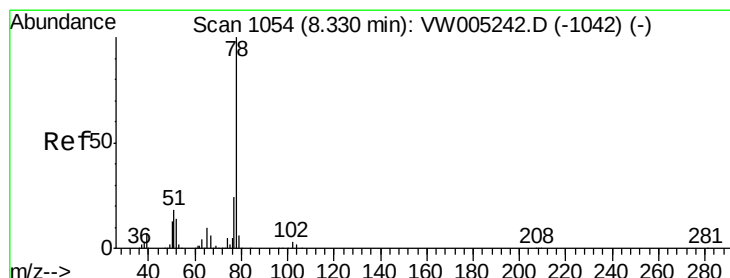
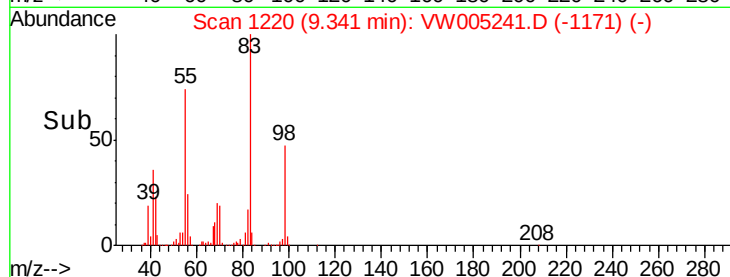
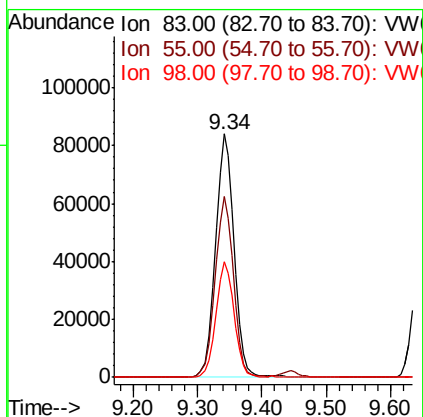
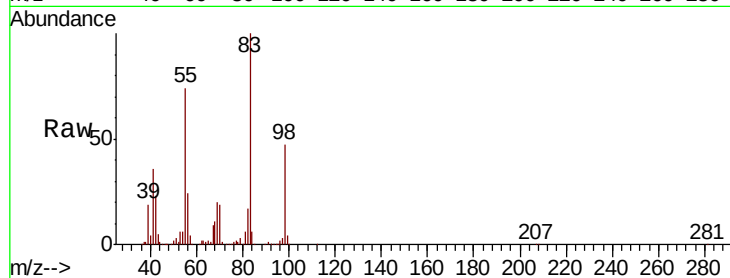
#39
Methylvlcyclohexane
Concen: 19.96 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	58.9	88.3
98	47.3	37.6	56.4

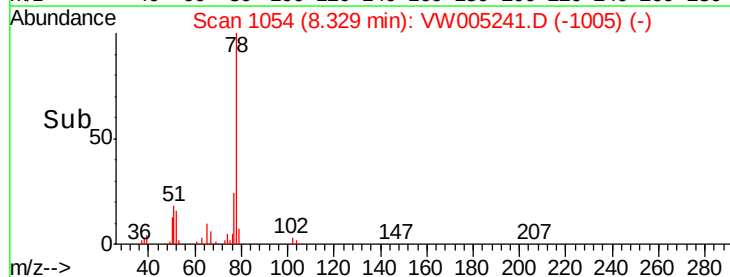
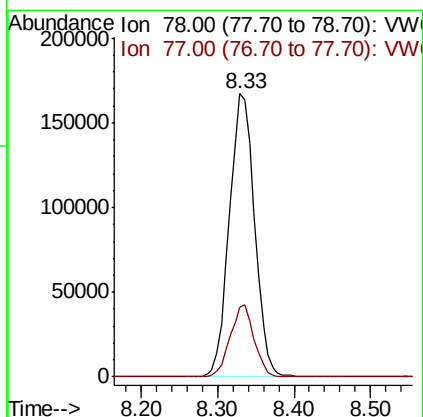
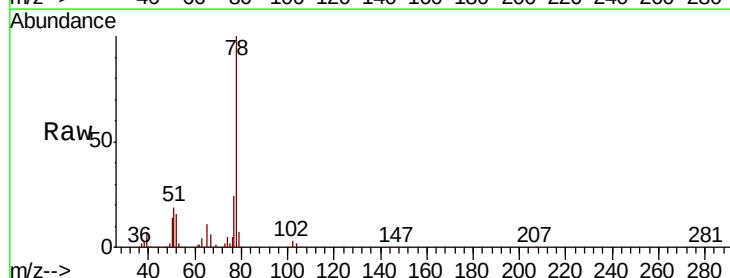
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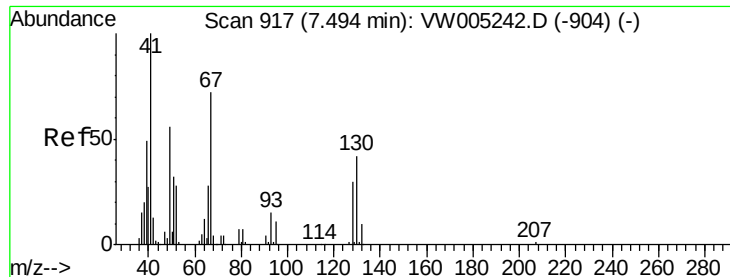
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#40
Benzene
Concen: 20.09 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.9	28.3





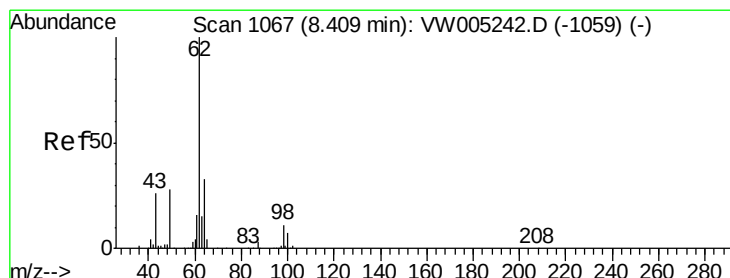
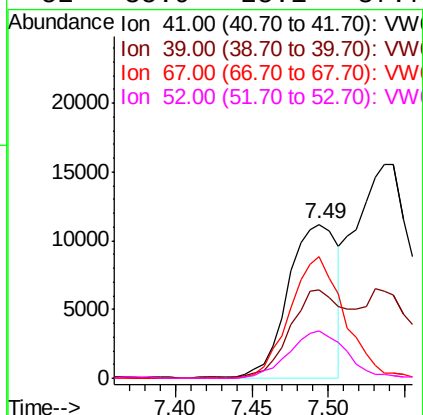
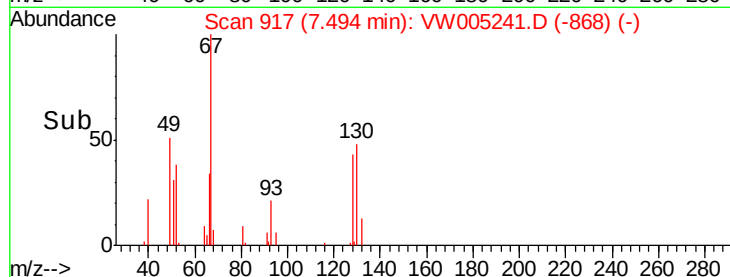
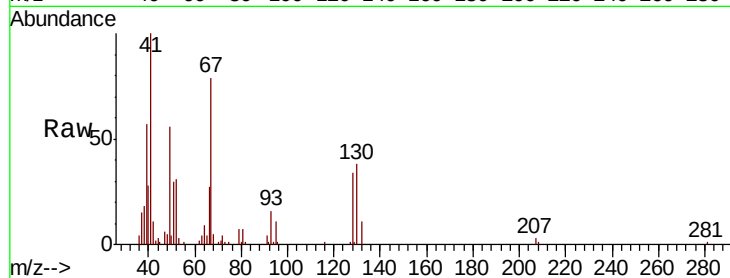
#41
Methacrylonitrile
Concen: 20.03 ug/l
RT: 7.49 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.3	39.9	59.9#
67	87.0	65.7	98.5
52	35.9	25.1	37.7

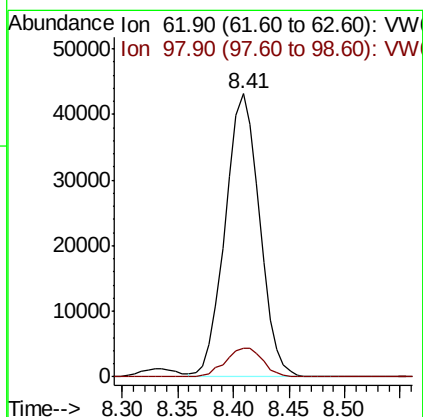
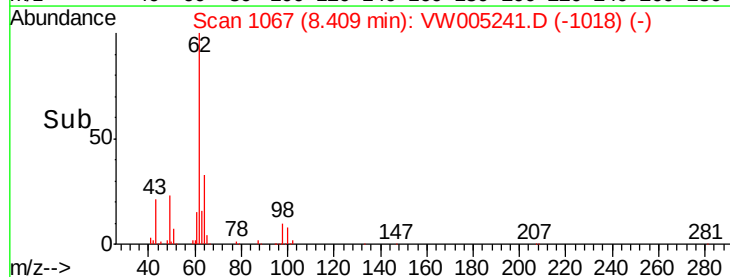
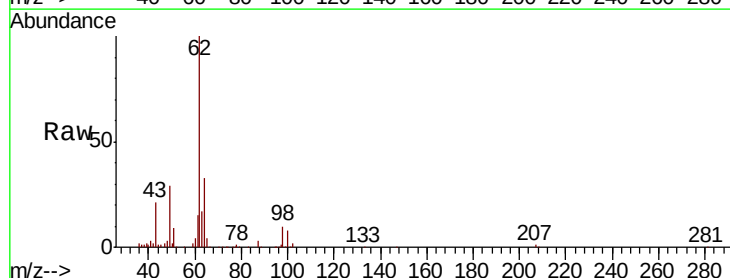
Manual Integrations
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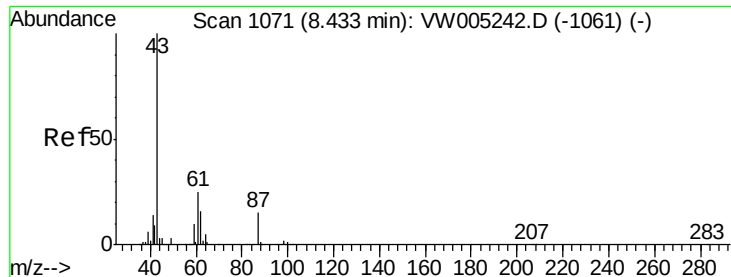
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#42
1,2-Dichloroethane
Concen: 20.33 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	22.0





#43

Isopropyl Acetate

Concen: 19.30 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

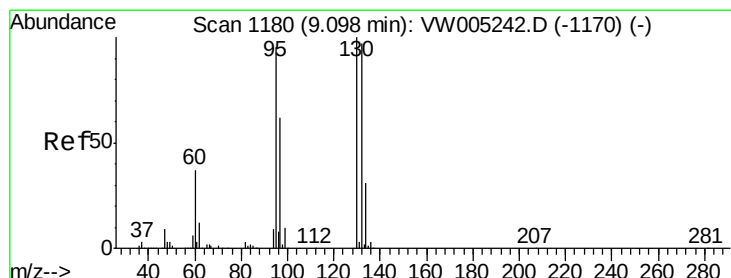
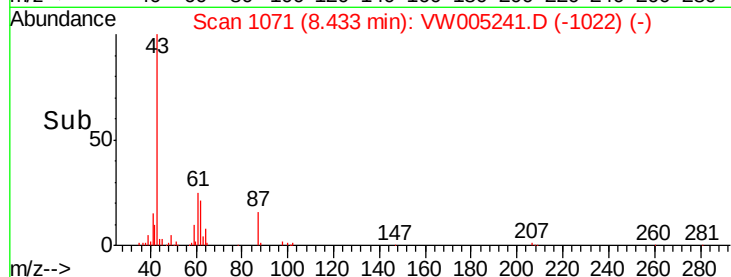
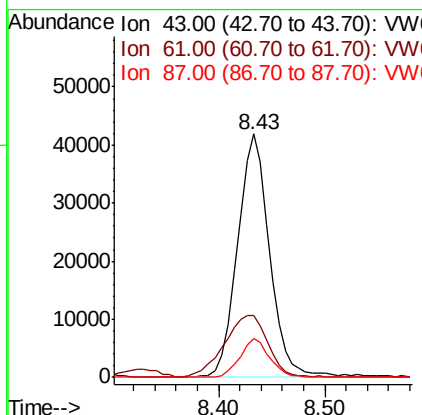
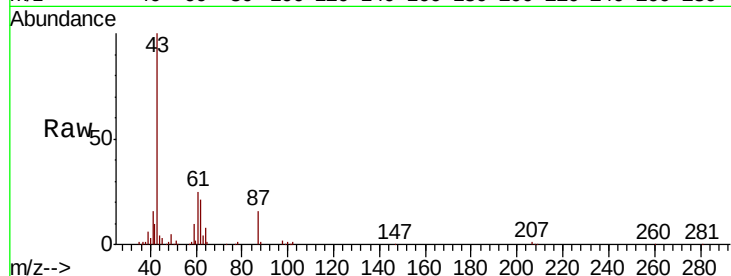
ClientSampled :

VSTDIC020

Tot Ion:	43	Resp:	88015
Ion	Ratio	Lower	Upper
43	100		
61	34.0	25.4	38.0
87	14.9	11.9	17.9

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#44

Trichloroethene

Concen: 20.70 ug/l

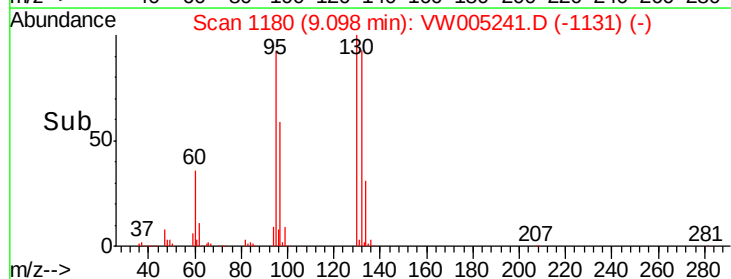
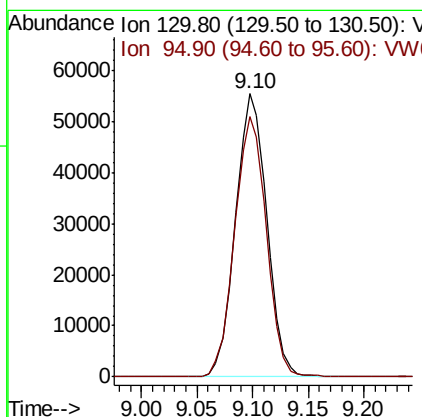
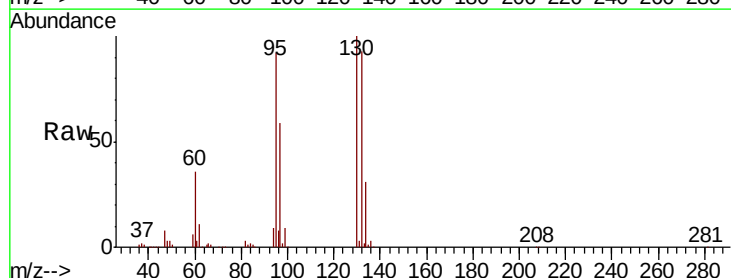
RT: 9.10 min Scan# 1180

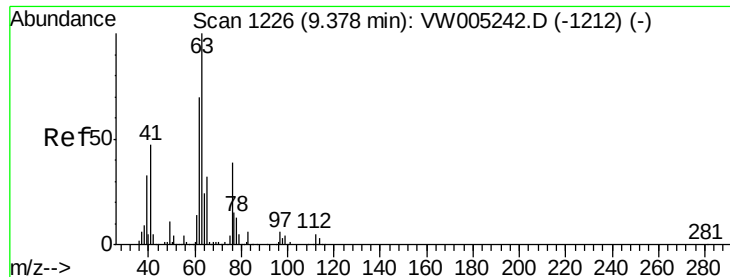
Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion:	130	Resp:	108014
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	189.6





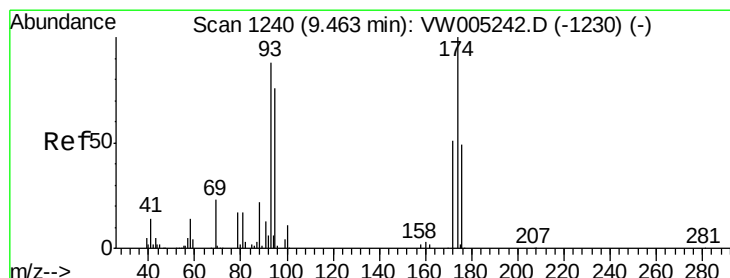
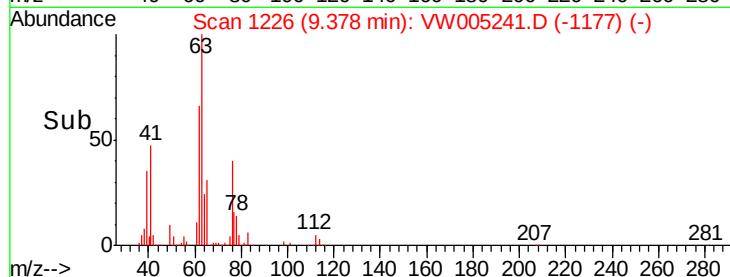
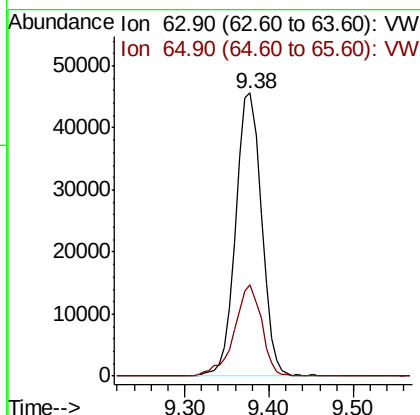
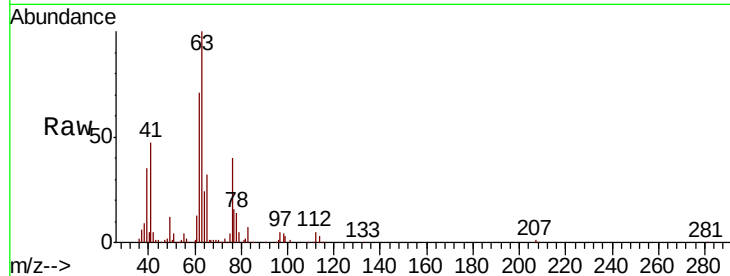
#45
 1,2-Dichloropropane
 Concen: 20.67 ug/l
 RT: 9.38 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.2

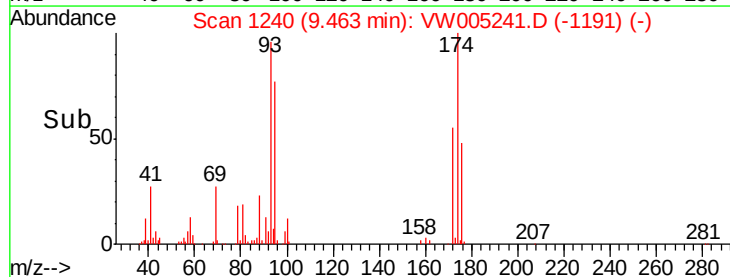
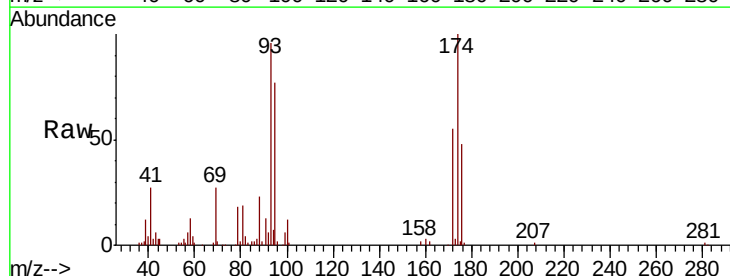
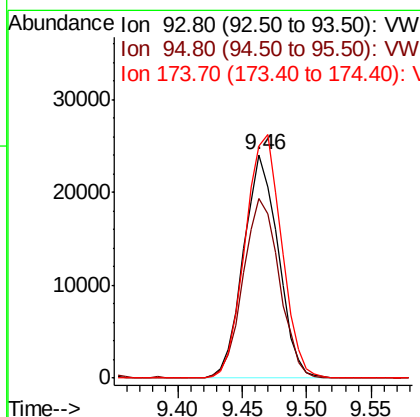
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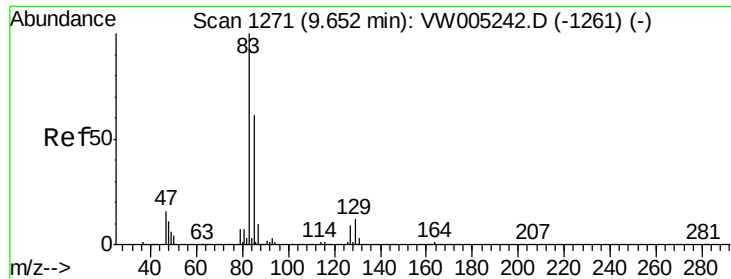
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#46
 Dibromomethane
 Concen: 20.03 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.0	100.4
174	114.7	92.2	138.2





#47

Bromodichloromethane

Concen: 20.51 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

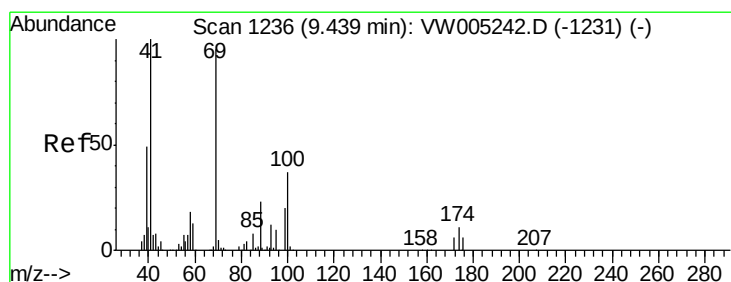
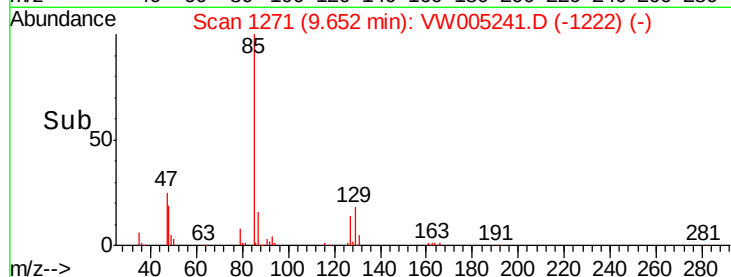
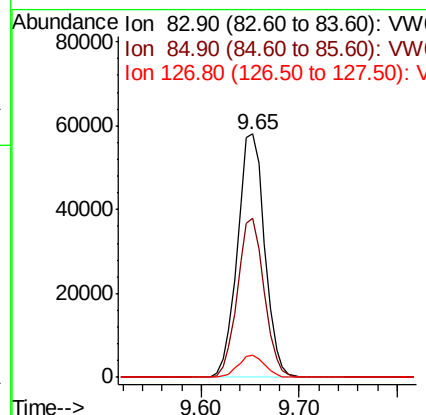
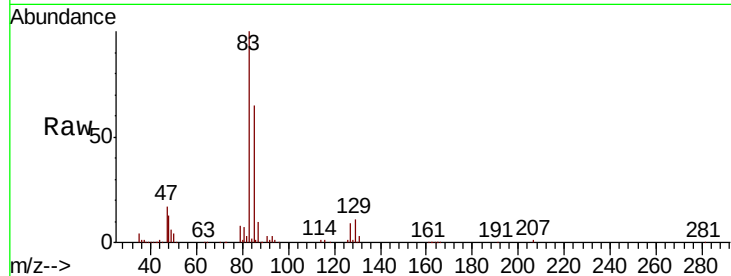
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	112267
Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.0	73.6
127	9.1	7.0	10.4

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#48

Methyl methacrylate

Concen: 20.00 ug/l

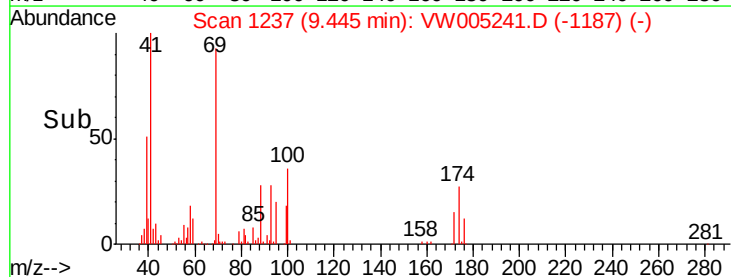
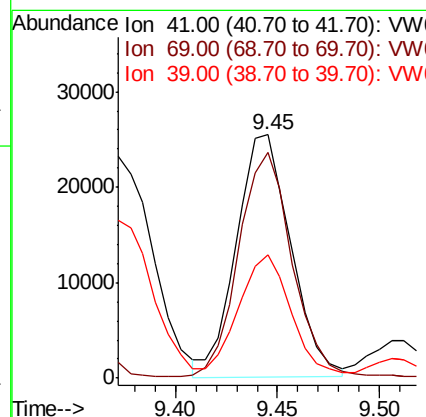
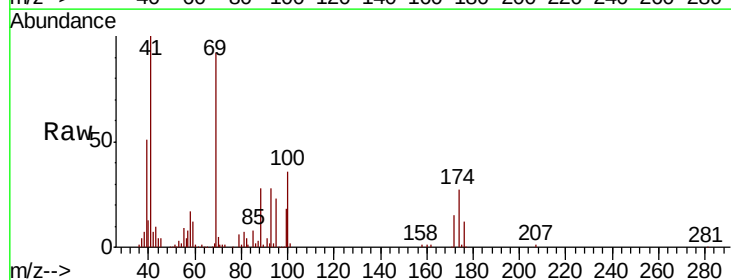
RT: 9.45 min Scan# 1237

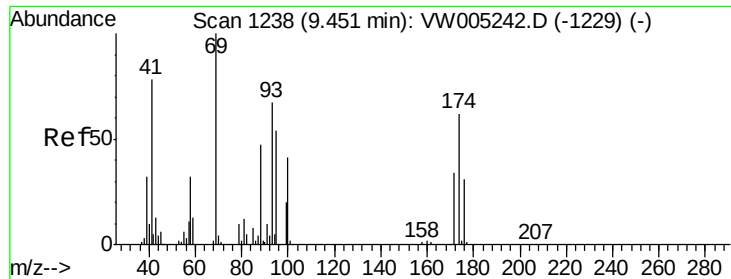
Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion:	41	Resp:	47347
Ion	Ratio	Lower	Upper
41	100		
69	93.0	74.6	112.0
39	44.4	36.7	55.1





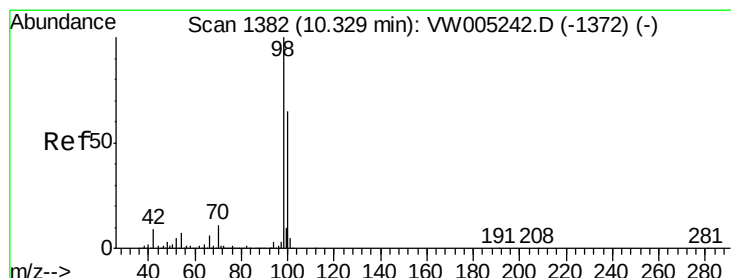
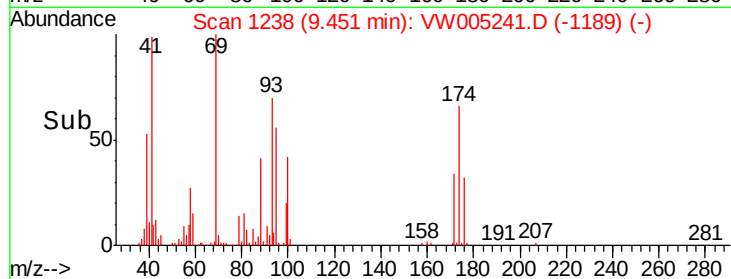
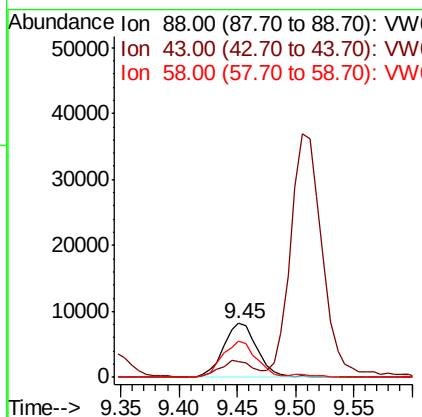
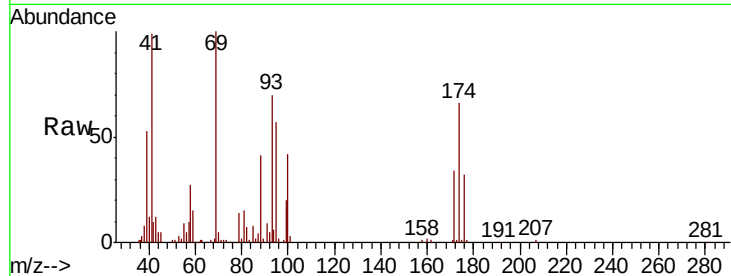
#49
1,4-Dioxane
Concen: 397.92 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	88	Resp	16624
Ion Ratio	Lower	Upper	
88	100		
43	28.5	22.7	34.1
58	66.3	56.6	85.0

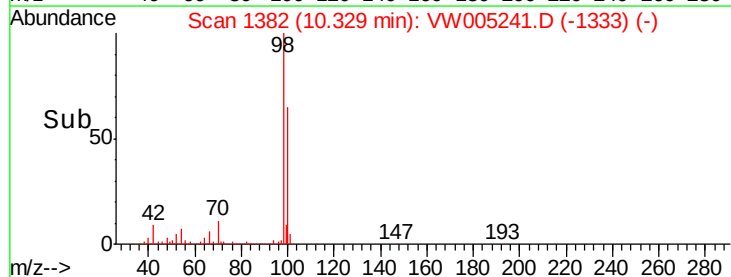
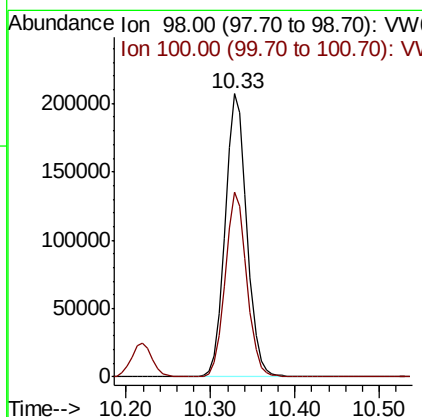
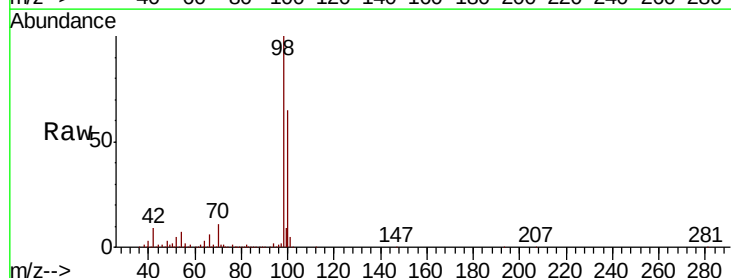
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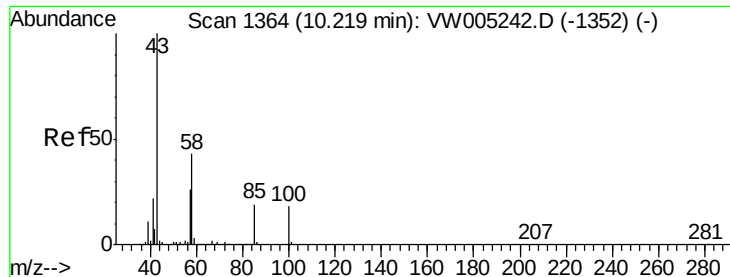
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#50
Toluene-d8
Concen: 19.53 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	98	Resp	364276
Ion Ratio	Lower	Upper	
98	100		
100	65.1	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 97.72 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 250756

Ion Ratio Lower Upper

43 100

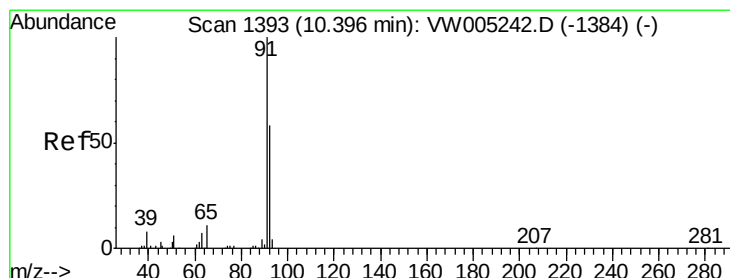
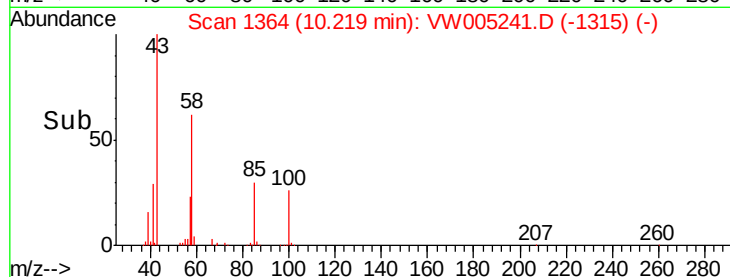
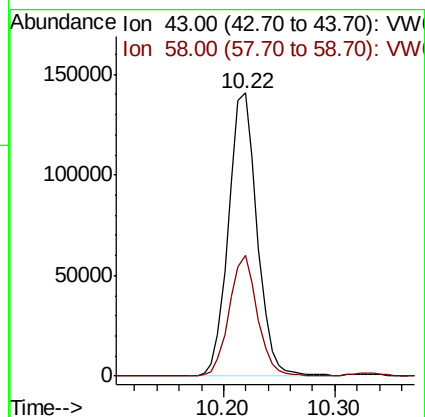
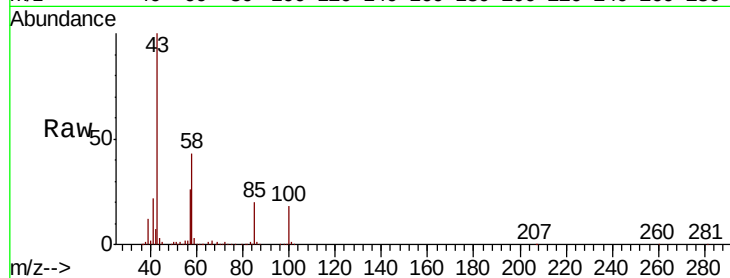
58 41.8 33.8 50.6

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#52

Toluene

Concen: 19.91 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005241.D

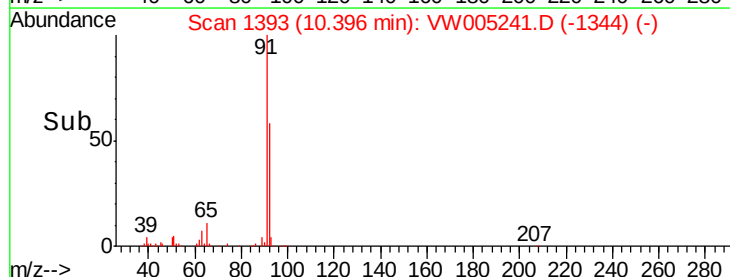
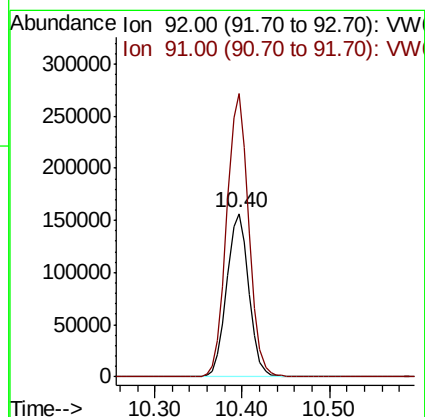
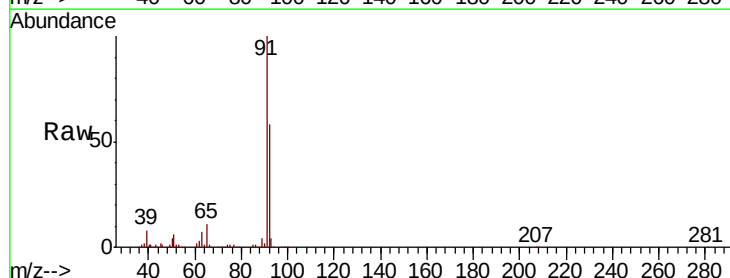
Acq: 10 Sep 2018 14:58

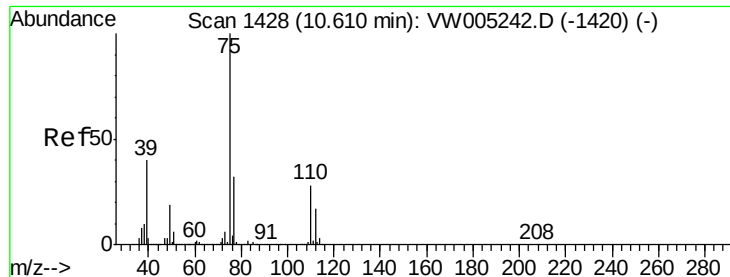
Tgt Ion: 92 Resp: 275203

Ion Ratio Lower Upper

92 100

91 172.5 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 20.08 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 118758

Ion Ratio Lower Upper

75 100

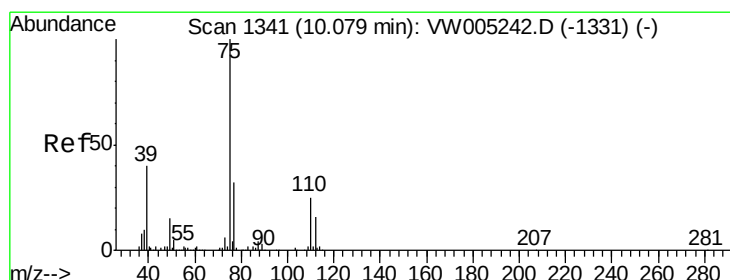
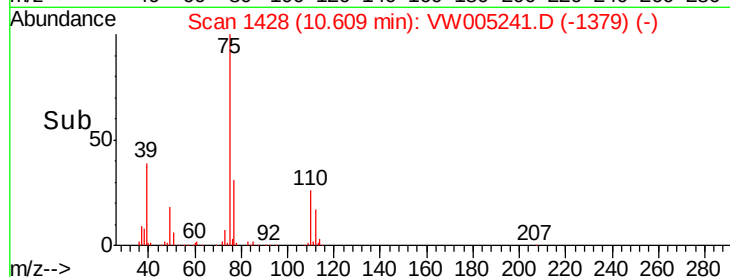
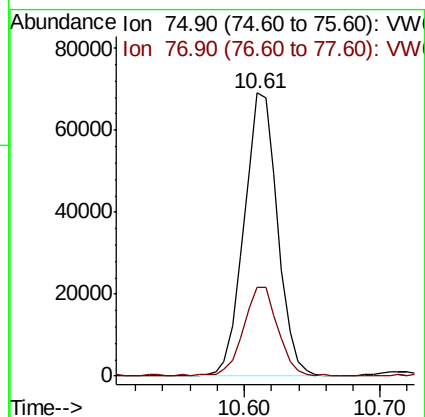
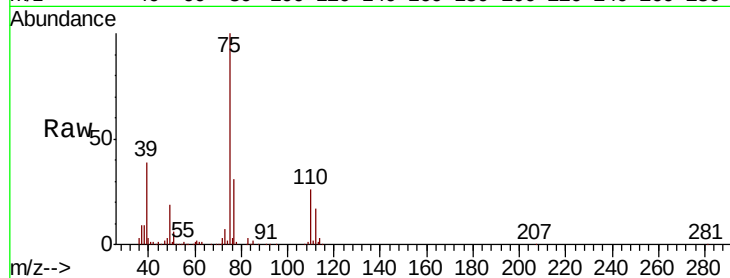
77 31.0 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 20.34 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

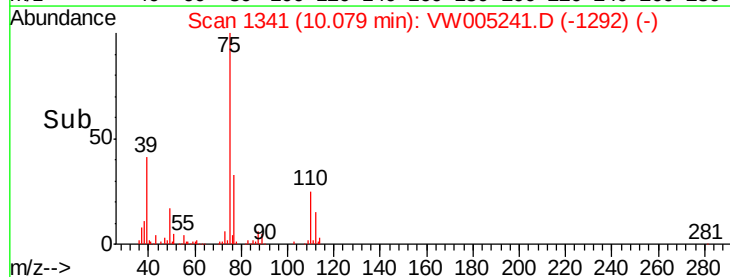
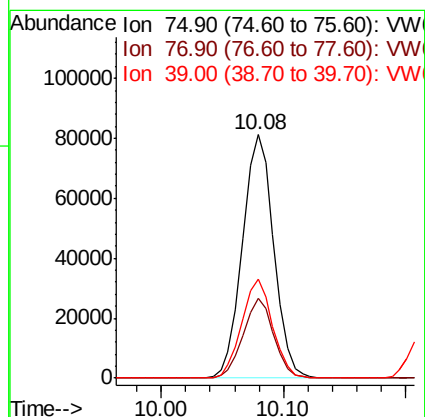
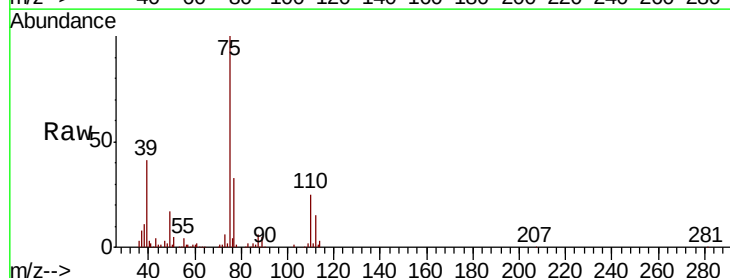
Tgt Ion: 75 Resp: 144121

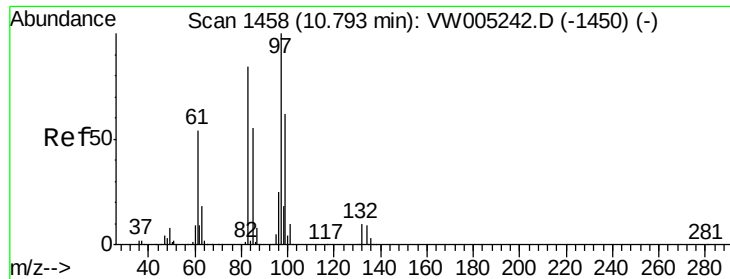
Ion Ratio Lower Upper

75 100

77 32.5 25.5 38.3

39 40.7 31.8 47.6





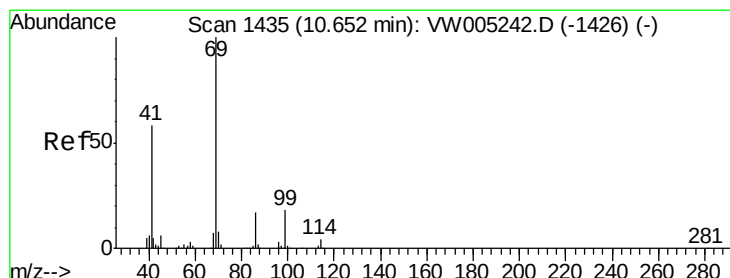
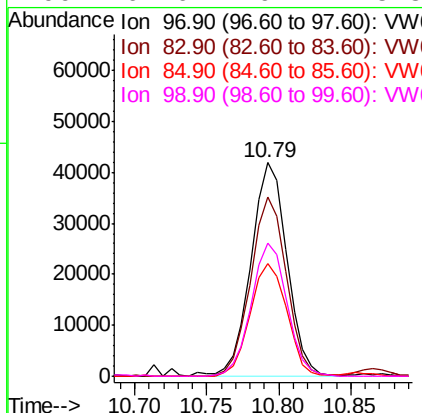
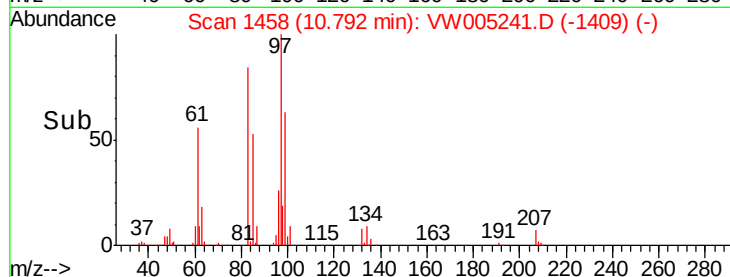
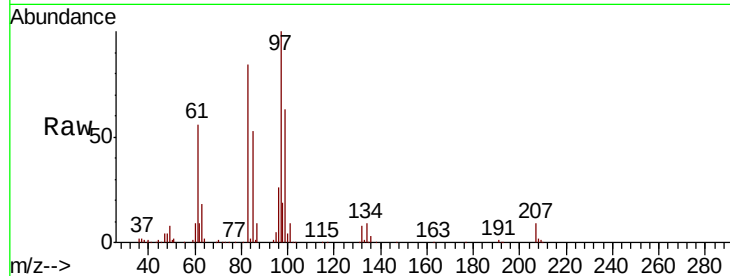
#55
 1,1,2-Trichloroethane
 Concen: 20.36 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	72623
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.2	100.8
85	52.9	44.4	66.6
99	62.6	49.2	73.8

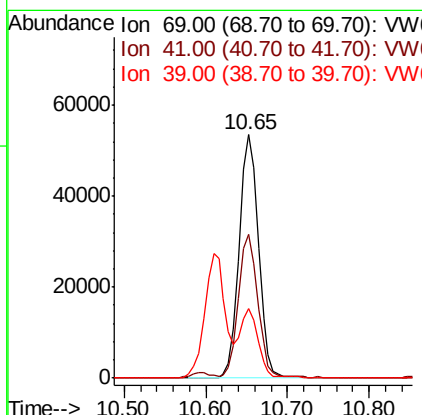
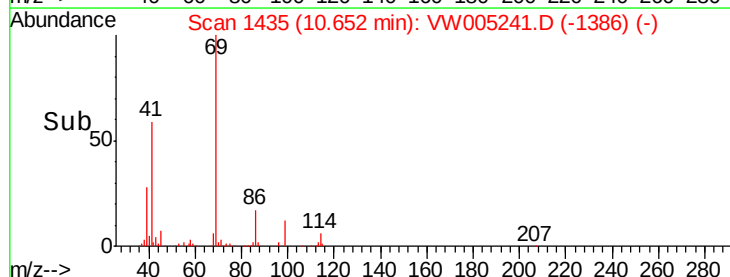
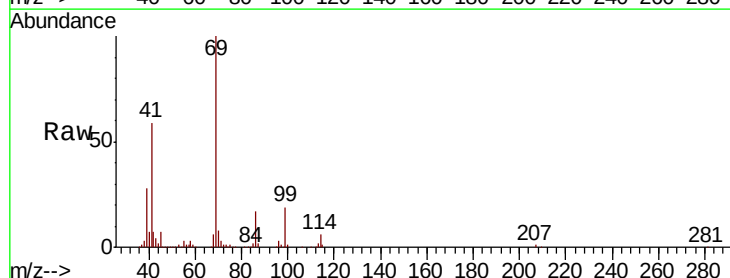
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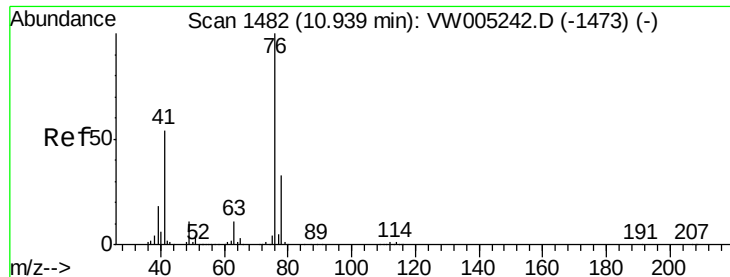
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#56
 Ethyl methacrylate
 Concen: 19.29 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion:	69	Resp:	87244
Ion	Ratio	Lower	Upper
69	100		
41	58.5	48.7	73.1
39	26.9	20.9	31.3





#57

1,3-Dichloropropane

Concen: 20.31 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 120327

Ion Ratio Lower Upper

76 100

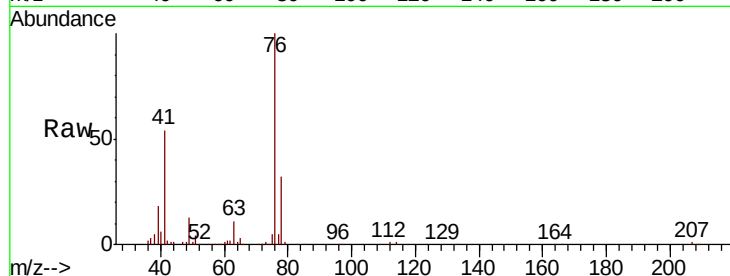
78 32.6 26.0 39.0

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.94

80000

60000

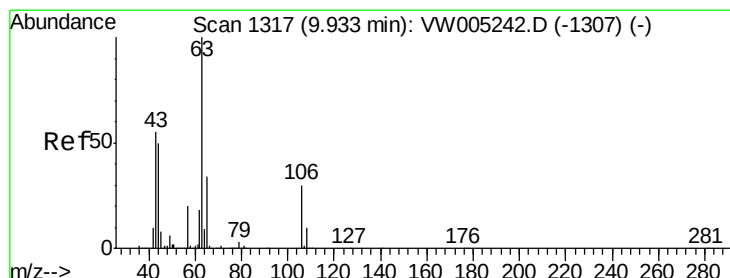
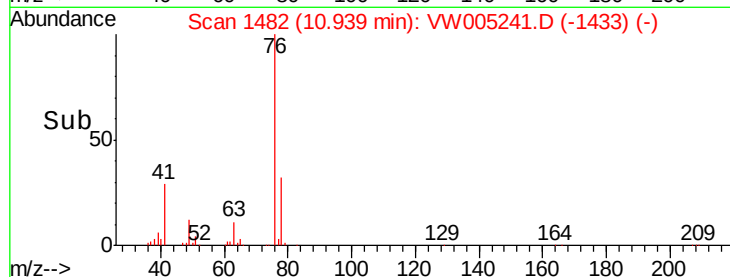
40000

20000

0

10.90 11.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 103.14 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VW005241.D

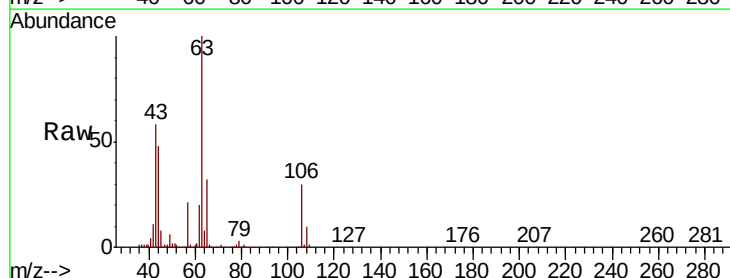
Acq: 10 Sep 2018 14:58

Tgt Ion: 63 Resp: 202766

Ion Ratio Lower Upper

63 100

106 29.4 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

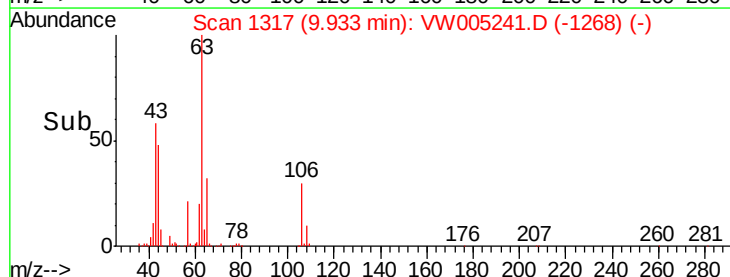
100000

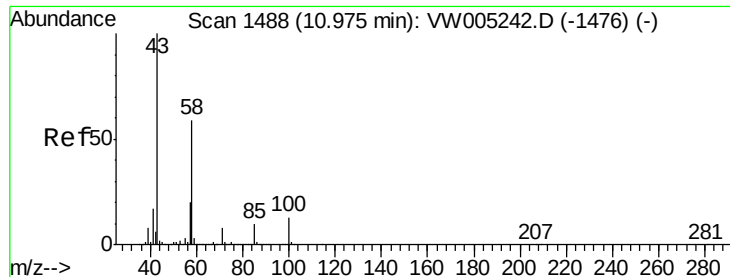
50000

0

9.90 10.00

Time-->





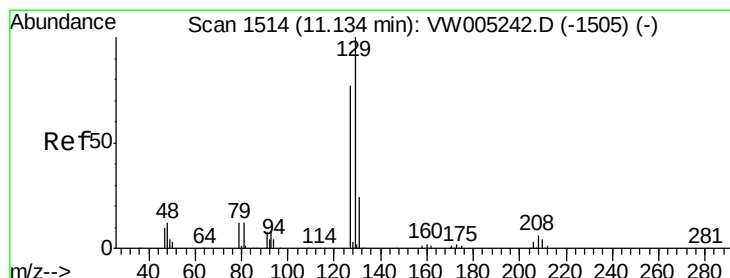
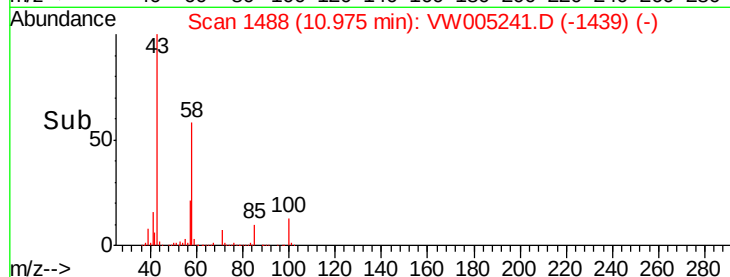
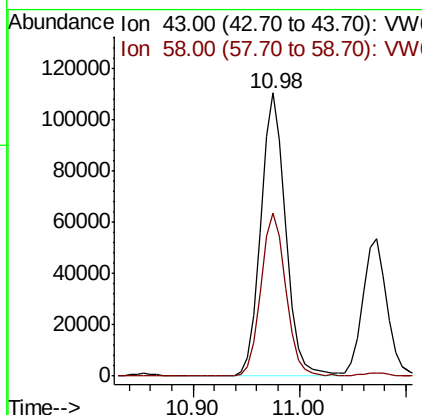
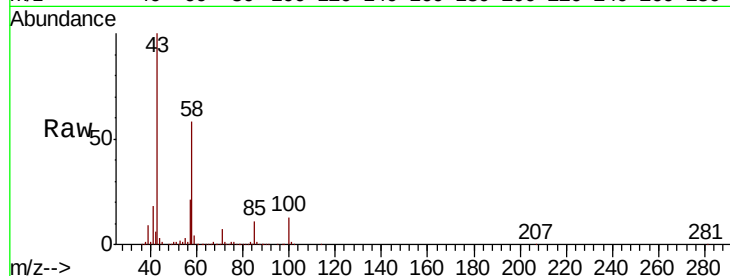
#59
2-Hexanone
Concen: 97.77 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	43	Resp	180863
Ion Ratio	43	100	
Lower	58	57.9	29.3
Upper			87.9

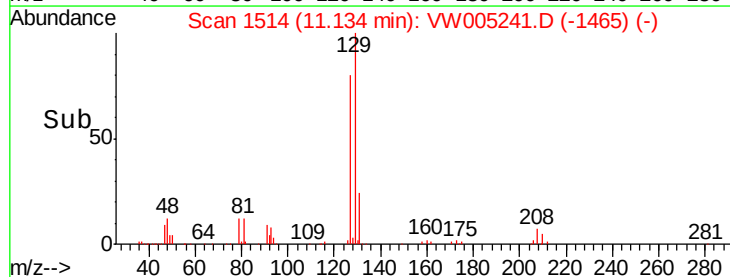
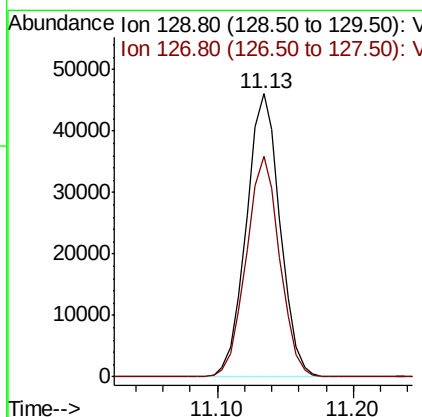
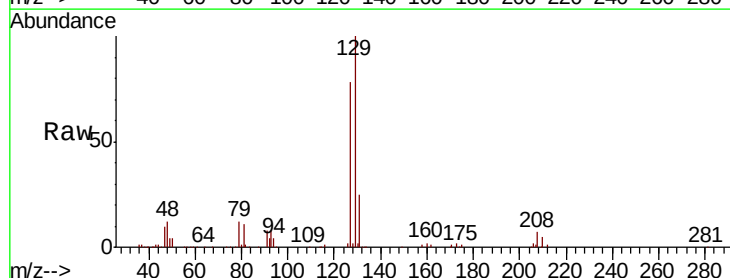
Manual Integrations
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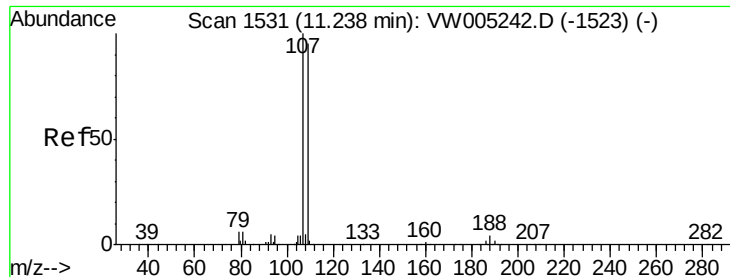
apatel
9/11/2018 11:09:21 AM



#60
Dibromochloromethane
Concen: 20.24 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	129	Resp	80138
Ion Ratio	129	100	
Lower	127	77.2	39.0
Upper			117.0





#61

1,2-Dibromoethane

Concen: 19.84 ug/l

RT: 11.24 min Scan# 1532

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 64914

Ion Ratio Lower Upper

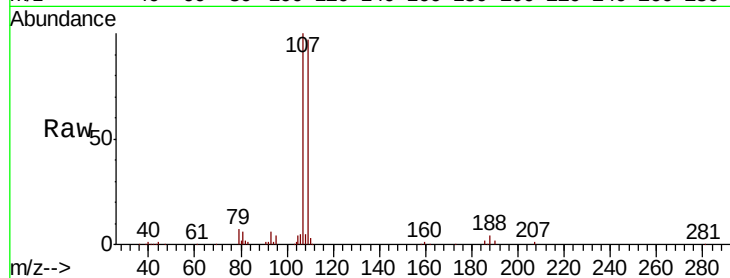
107 100

109 95.1 75.7 113.5

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

40000

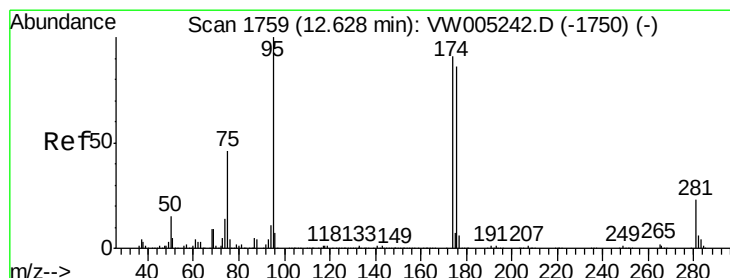
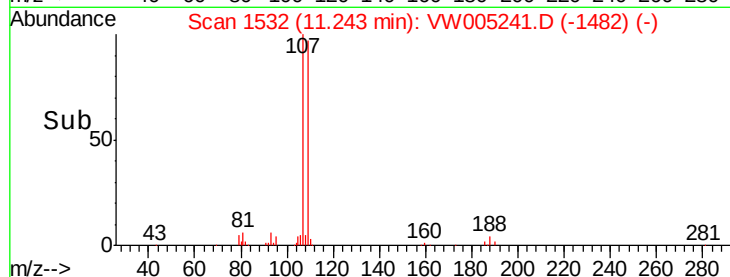
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 19.50 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

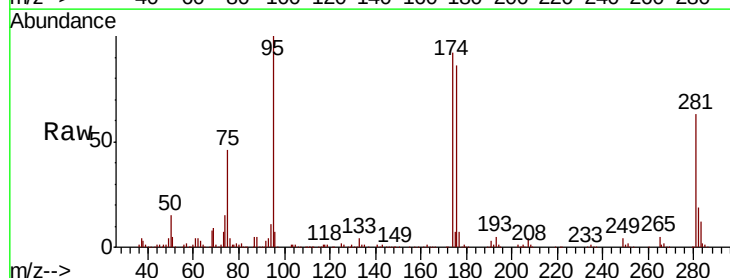
Tgt Ion: 95 Resp: 133003

Ion Ratio Lower Upper

95 100

174 87.6 0.0 174.6

176 84.6 0.0 167.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

100000

80000

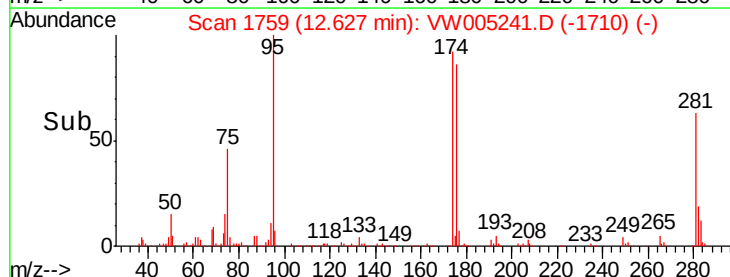
60000

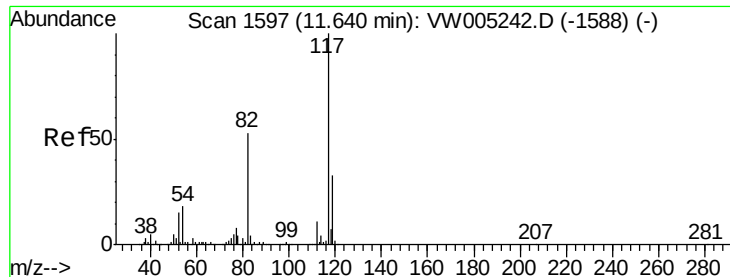
40000

20000

0

Time-->





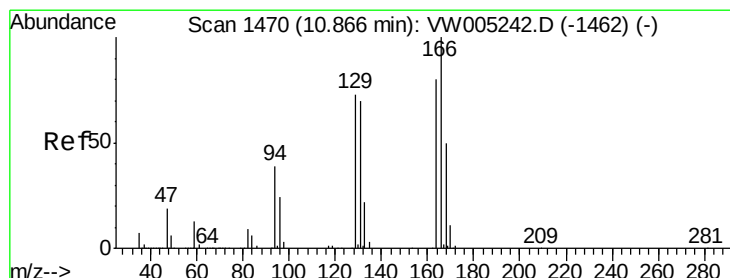
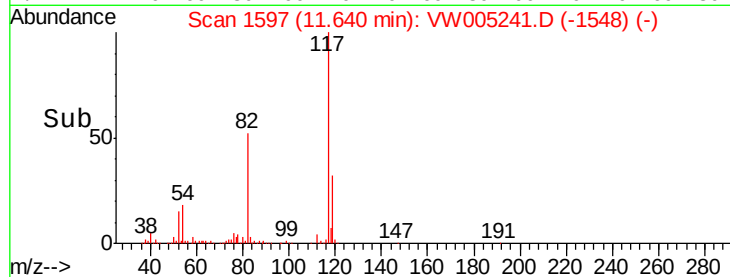
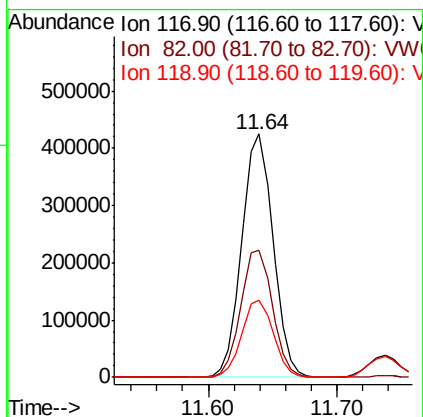
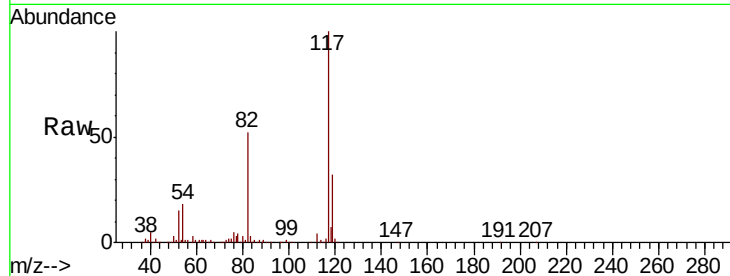
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.6	63.8
119	31.9	26.2	39.4

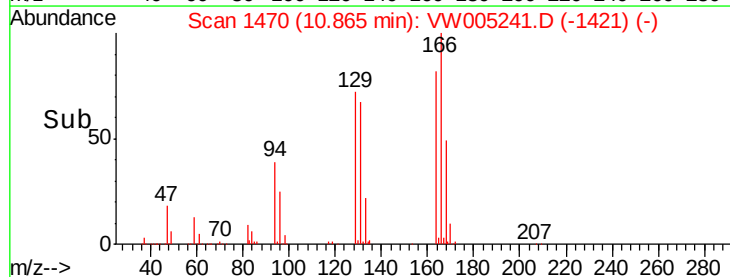
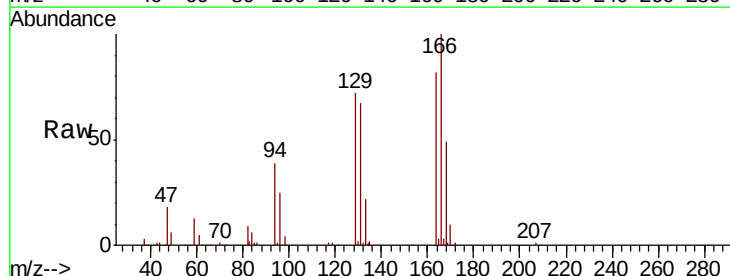
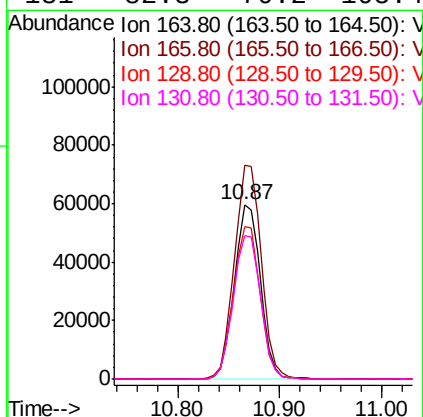
Manual Integrations
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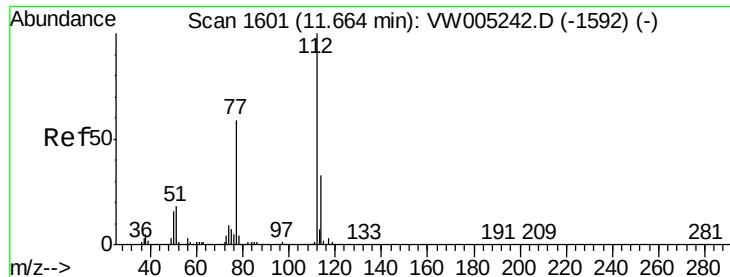
apatel
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#64
Tetrachloroethene
Concen: 19.80 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	100.2	150.2
129	87.6	73.2	109.8
131	82.3	70.2	105.4





#65

Chlorobenzene

Concen: 19.82 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 310037

Ion Ratio Lower Upper

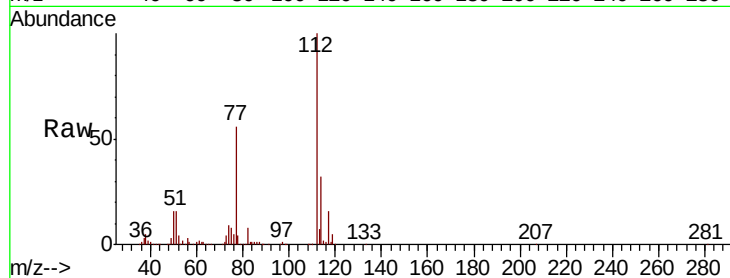
112 100

114 32.3 26.2 39.4

Manual Integrations
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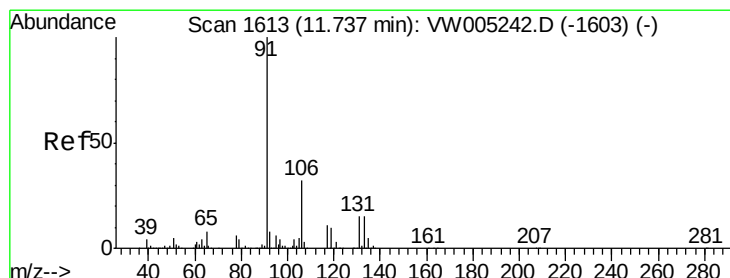
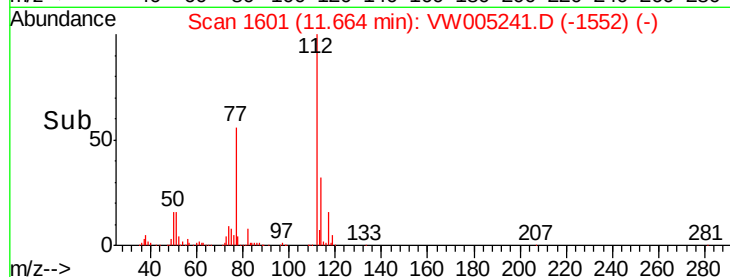
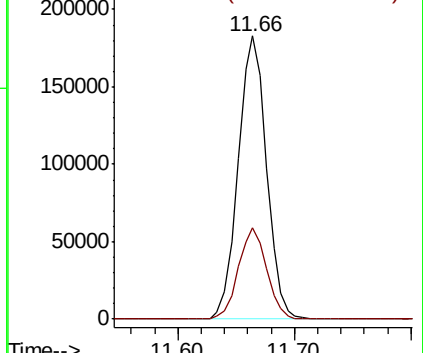
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.80 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

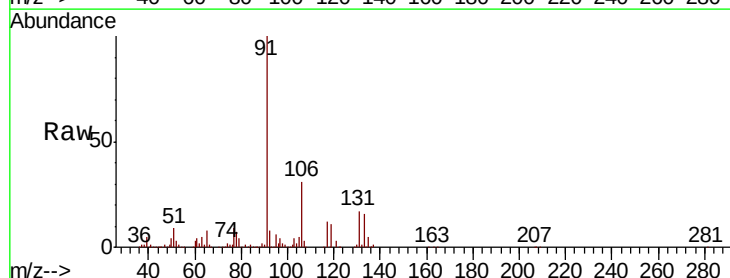
Tgt Ion:131 Resp: 92460

Ion Ratio Lower Upper

131 100

133 95.6 48.1 144.3

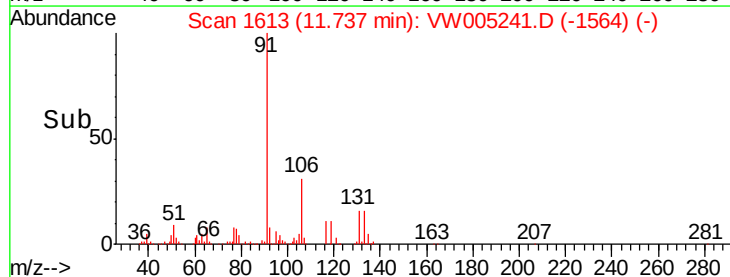
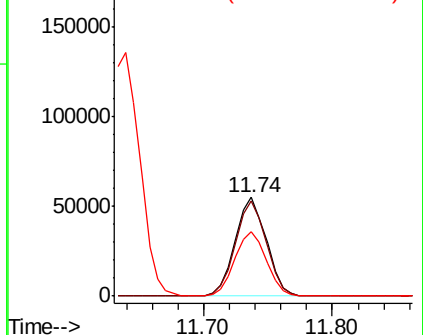
119 66.3 33.4 100.1

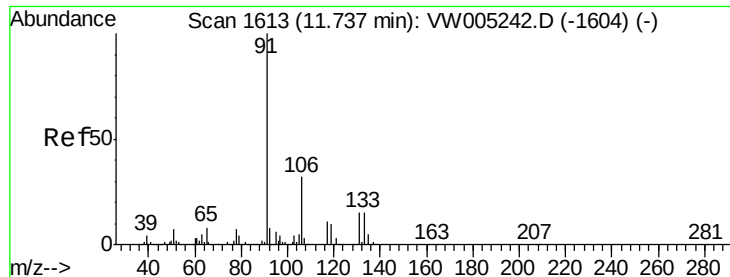


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





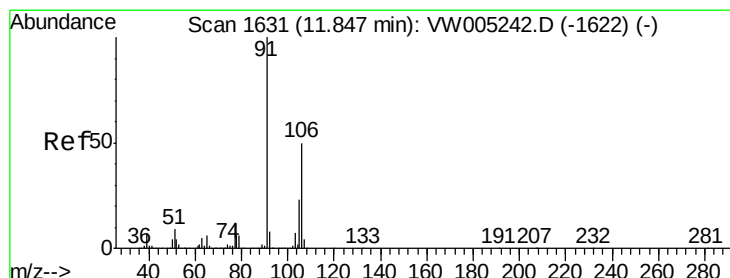
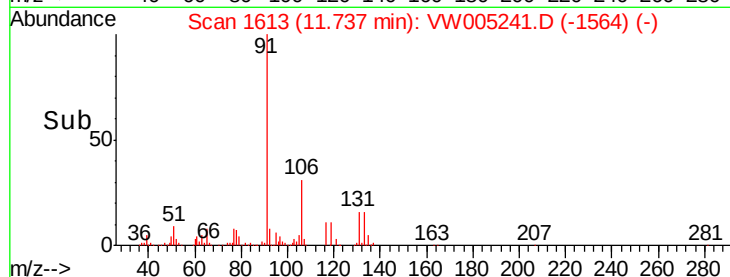
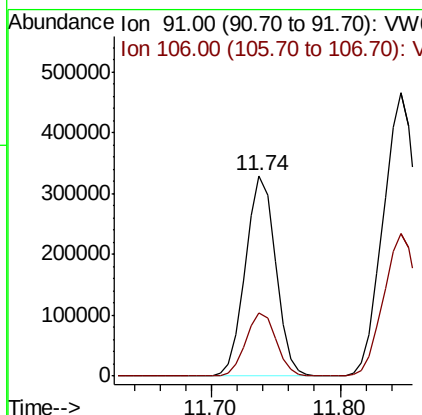
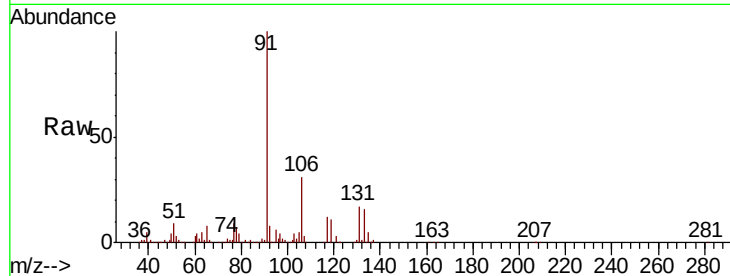
#67
Ethyl Benzene
Concen: 19.57 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.6	38.4

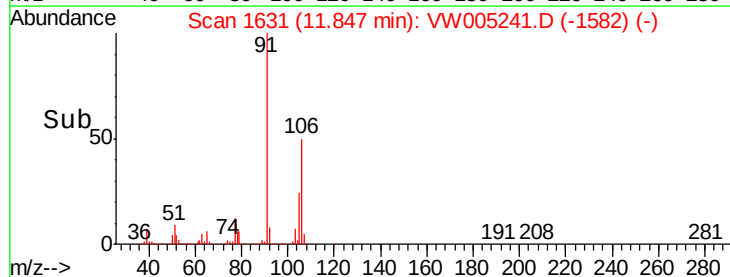
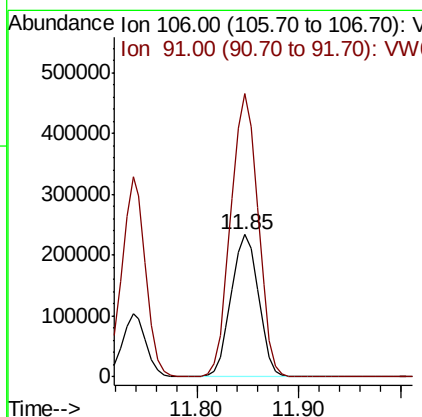
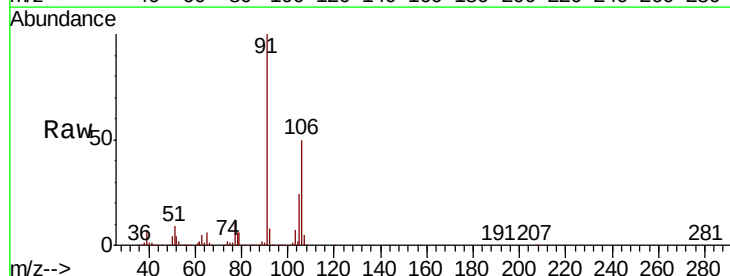
Manual Integrations
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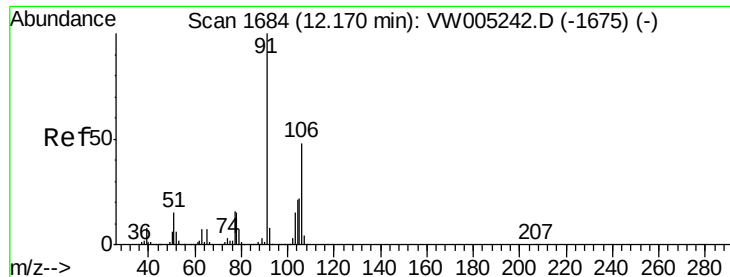
apatel
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#68
m/p-Xylenes
Concen: 39.74 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.1	160.2	240.2





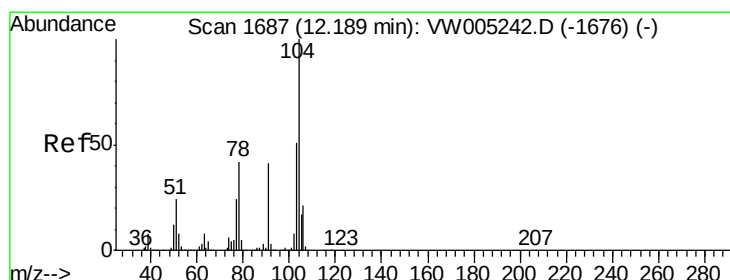
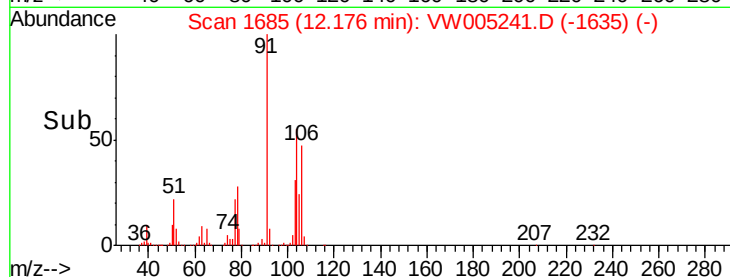
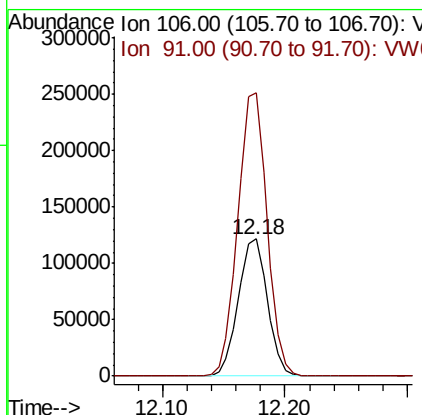
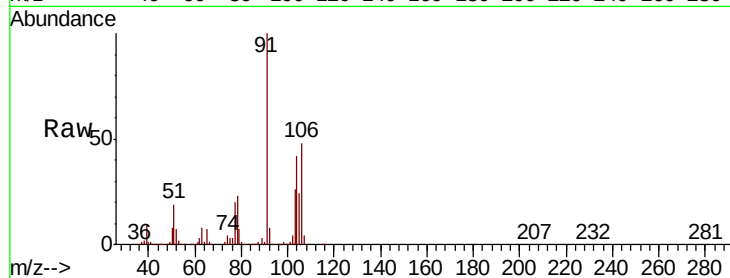
#69
o-Xylene
Concen: 19.66 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.1	104.1	312.3	

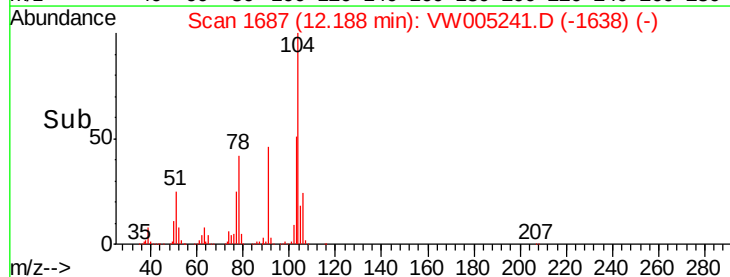
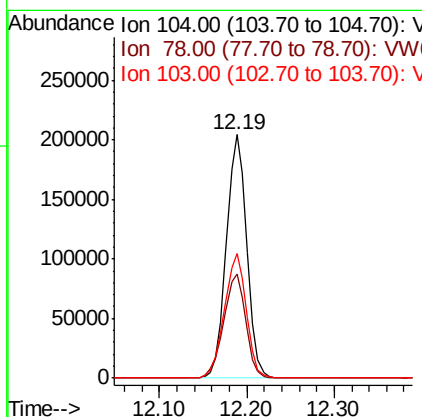
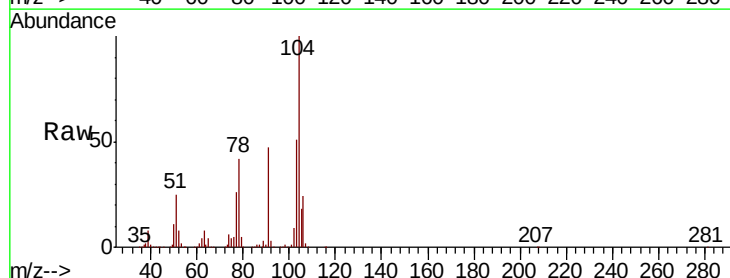
Manual Integrations
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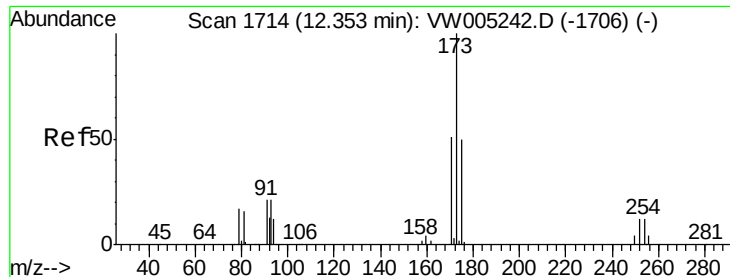
apatel
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#70
Styrene
Concen: 19.87 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.0	37.4	56.2	
103	54.7	44.1	66.1	





#71

Bromoform

Concen: 19.34 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

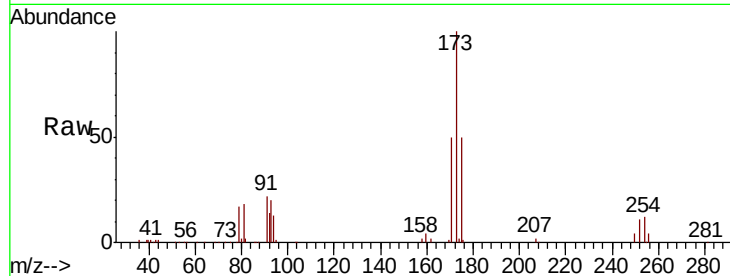
ClientSampled :

VSTDIC020

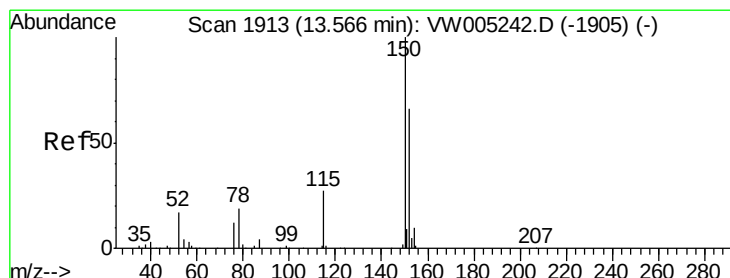
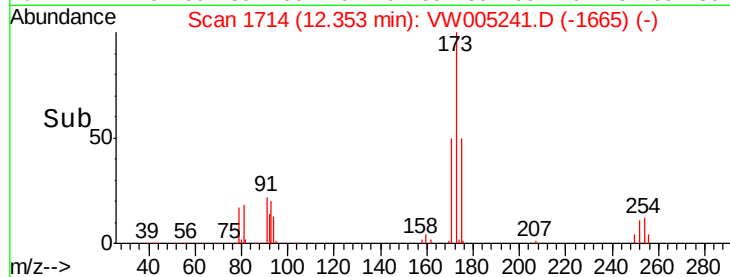
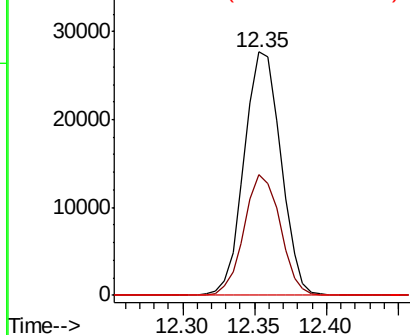
Tot Ion:	173	Resp:	48969
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.9	74.6
254	0.1	0.1	0.1

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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: 50.00 ug/l

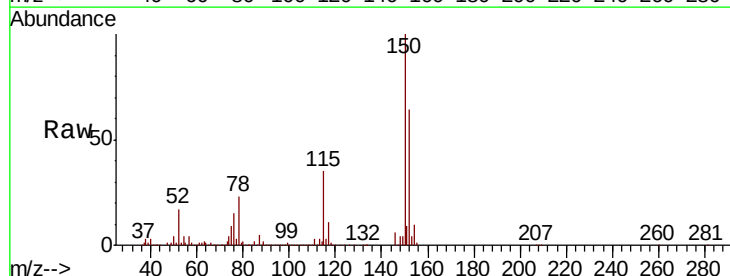
RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

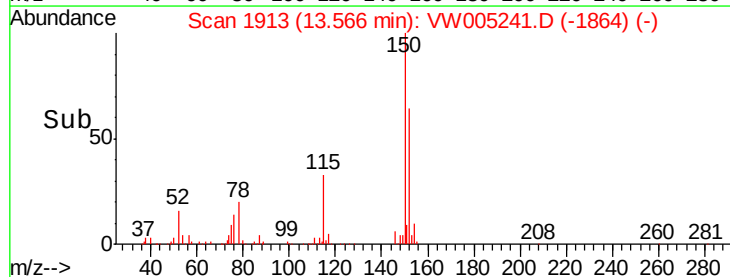
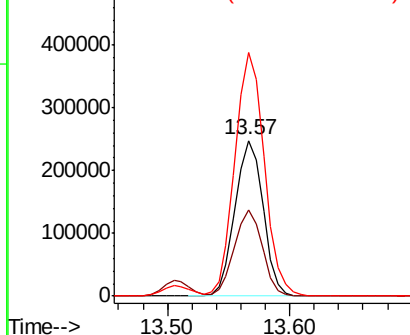
Lab File: VW005241.D

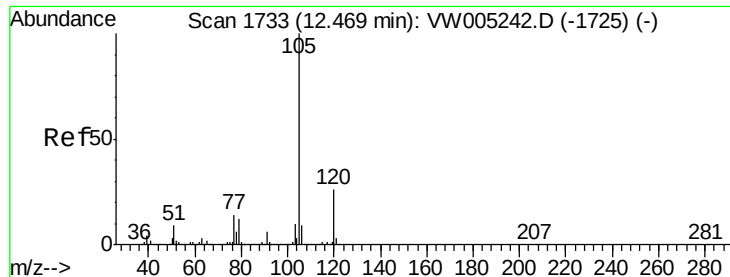
Acq: 10 Sep 2018 14:58

Tgt Ion:	152	Resp:	394326
Ion Ratio	Lower	Upper	
152	100		
115	55.3	27.5	82.4
150	163.8	0.0	347.4



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: 19.48 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 542830

Ion Ratio Lower Upper

105 100

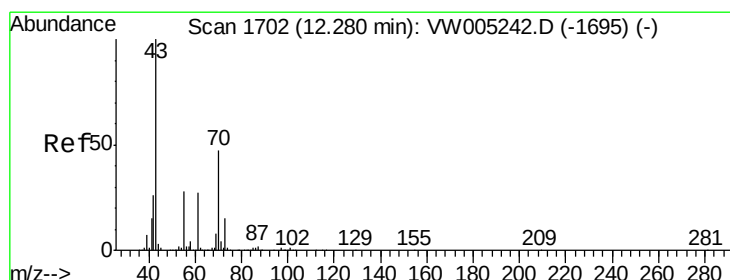
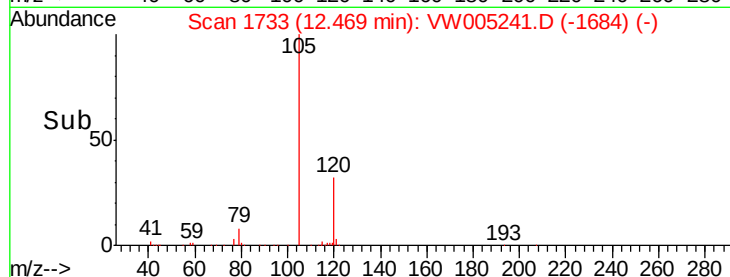
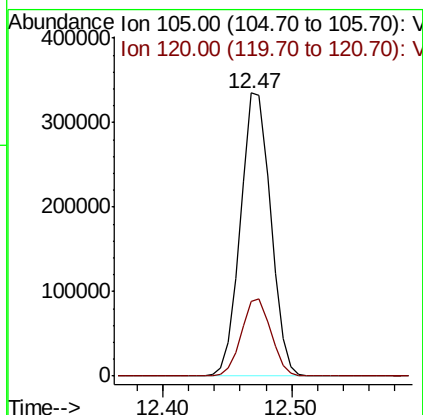
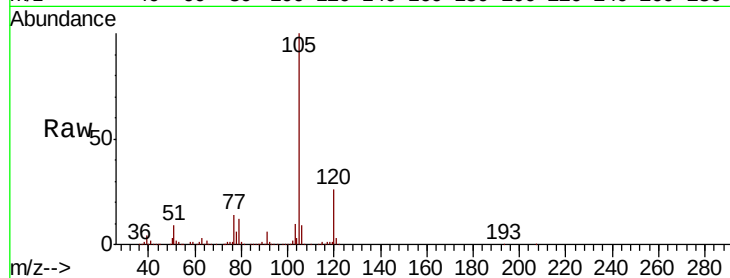
120 26.8 13.4 40.1

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#74

N-ethyl acetate

Concen: 18.70 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion: 43 Resp: 99111

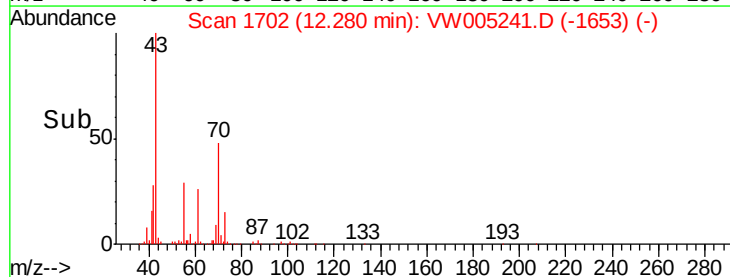
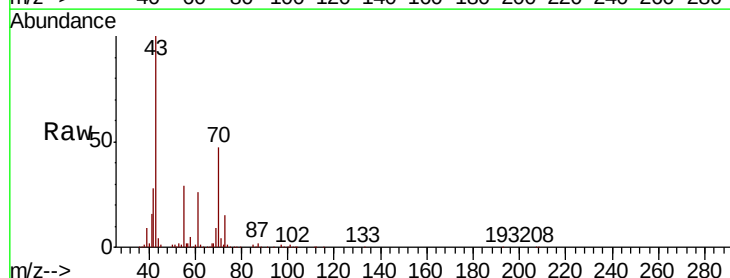
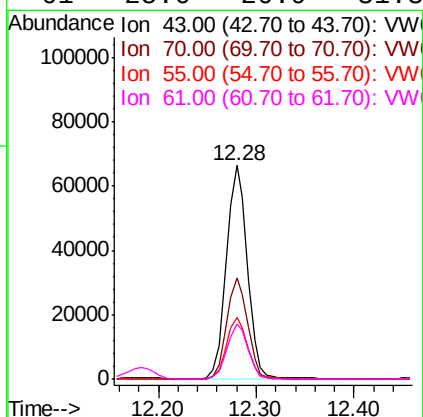
Ion Ratio Lower Upper

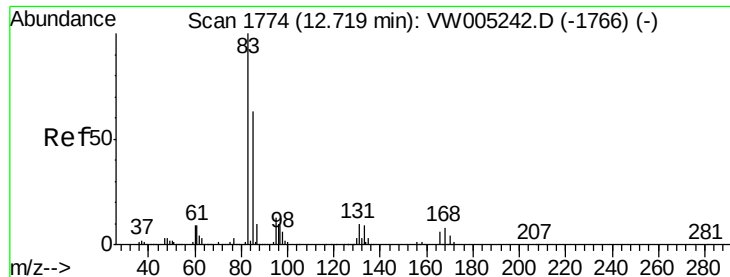
43 100

70 47.0 37.9 56.9

55 28.8 22.6 33.8

61 25.6 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.43 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

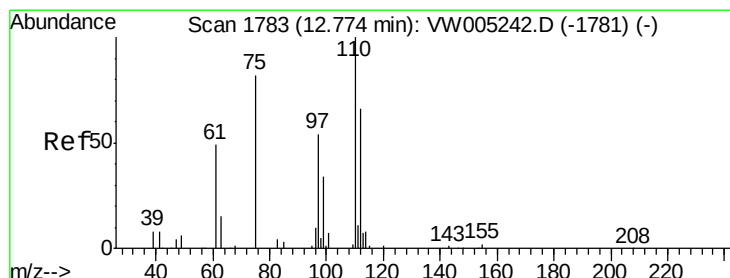
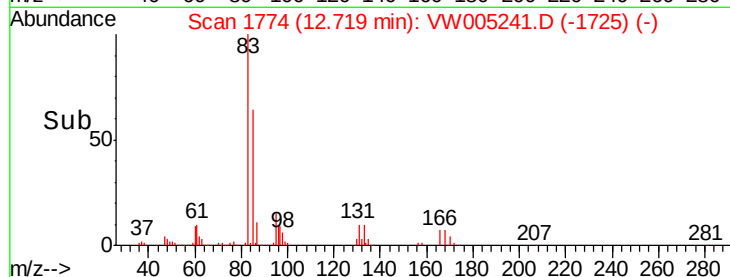
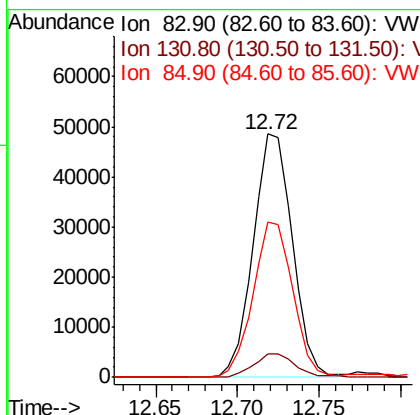
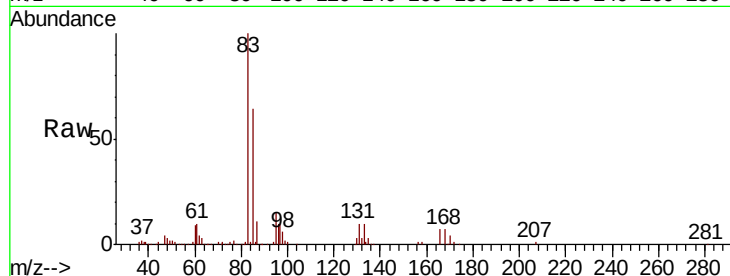
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	81366
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.5	16.4
85	64.5	31.6	95.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 11.16 ug/l m

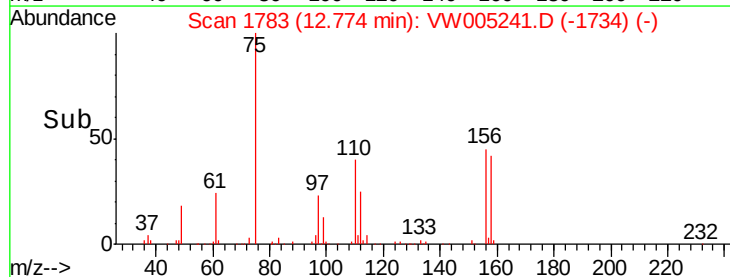
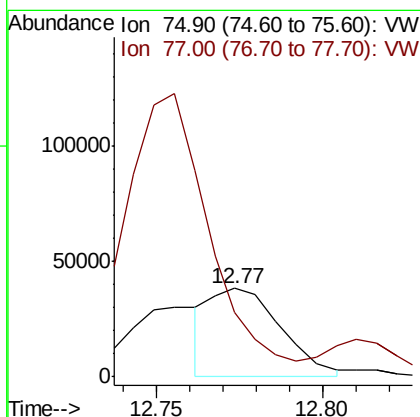
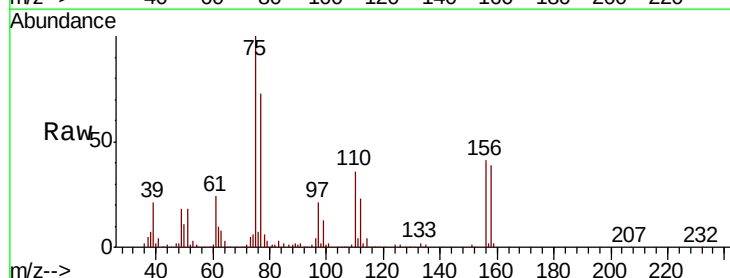
RT: 12.77 min Scan# 1783

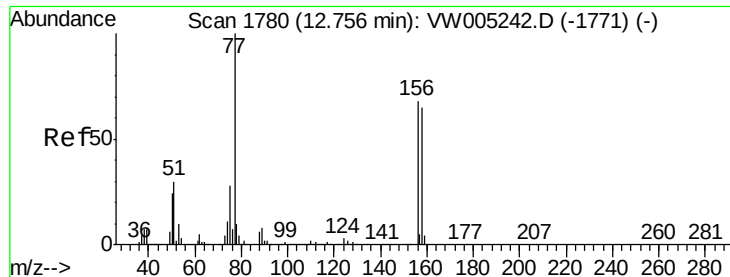
Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion:	75	Resp:	57156
Ion Ratio	Lower	Upper	
75	100		
77	385.9	0.0	0.0#





#77

Bromobenzene

Concen: 19.65 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

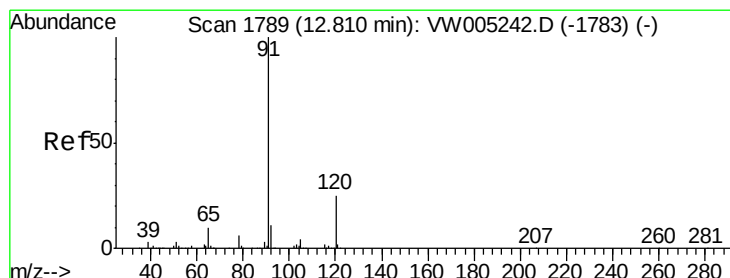
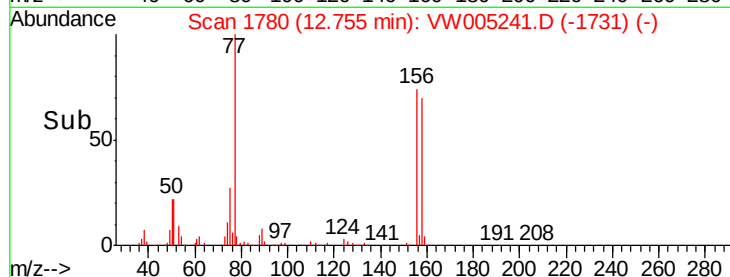
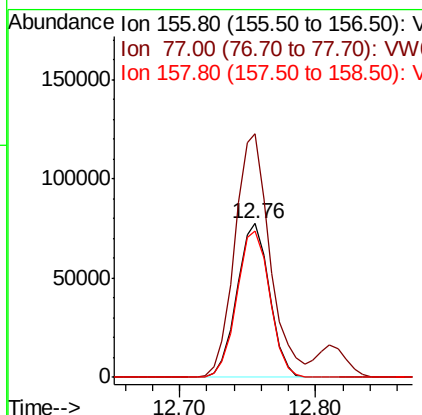
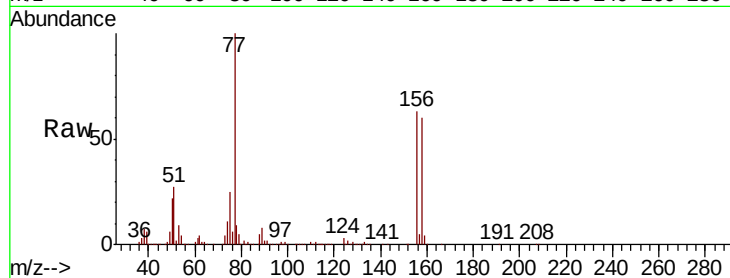
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	128991
Ion Ratio	Lower	Upper	
156	100		
77	171.0	86.3	258.8
158	96.5	48.6	145.8

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#78

n-propylbenzene

Concen: 19.81 ug/l

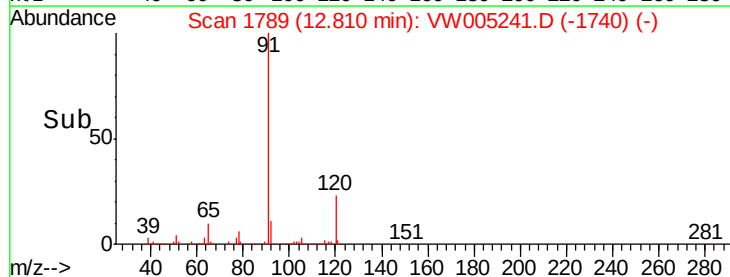
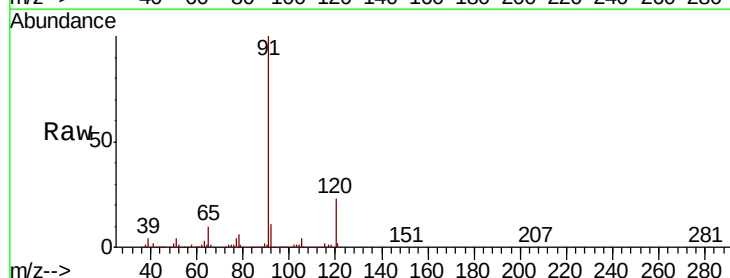
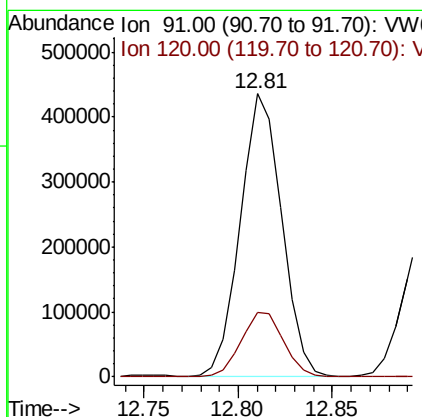
RT: 12.81 min Scan# 1789

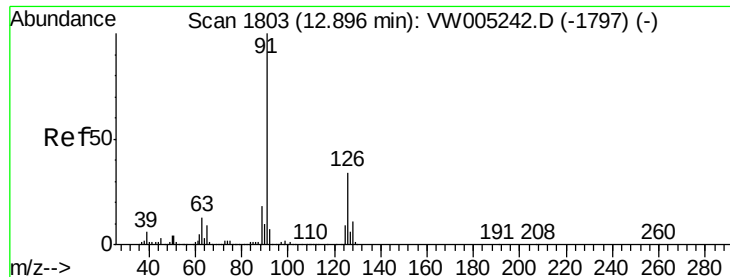
Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion:	91	Resp:	662959
Ion Ratio	Lower	Upper	
91	100		
120	23.5	12.0	36.0





#79

2-Chlorotoluene

Concen: 19.61 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 376291

Ion Ratio Lower Upper

91 100

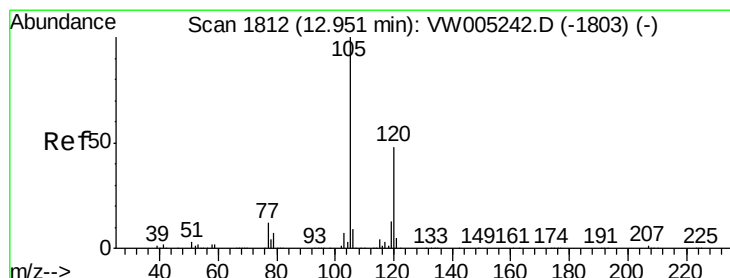
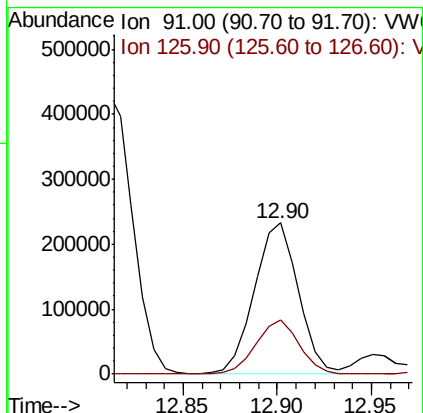
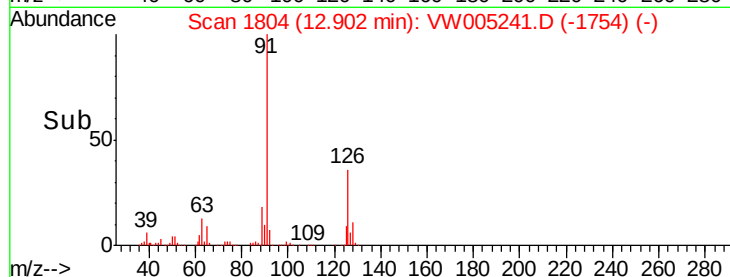
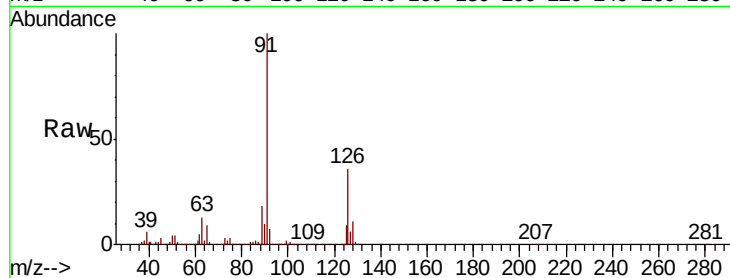
126 35.2 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 19.78 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005241.D

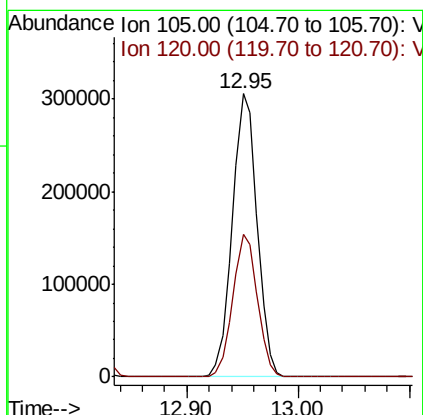
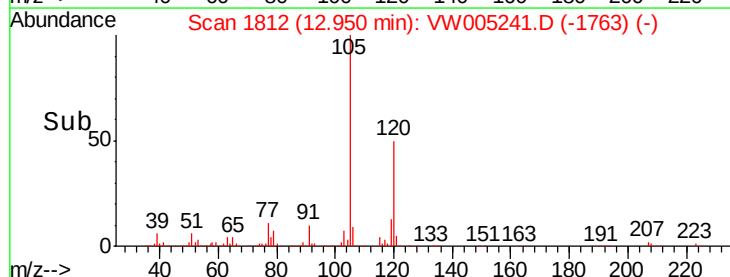
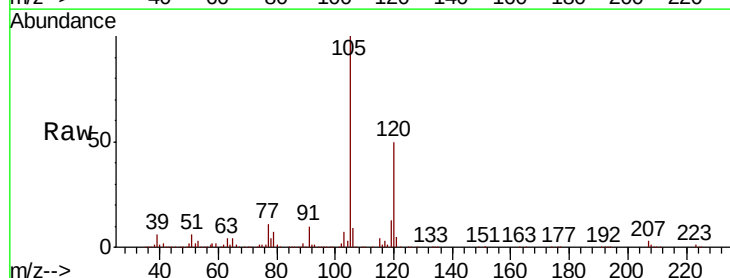
Acq: 10 Sep 2018 14:58

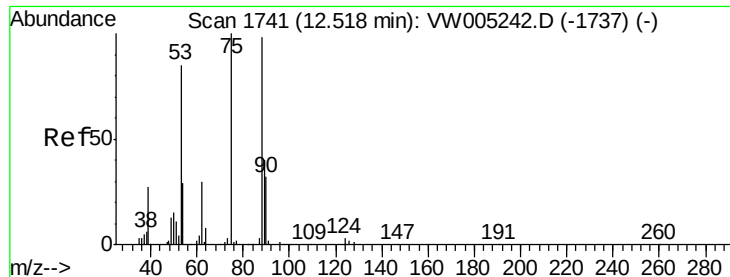
Tgt Ion: 105 Resp: 469368

Ion Ratio Lower Upper

105 100

120 50.0 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.20 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

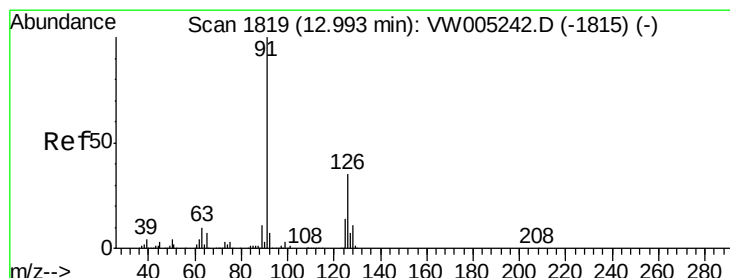
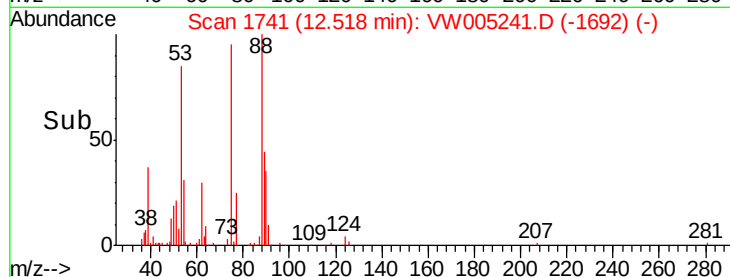
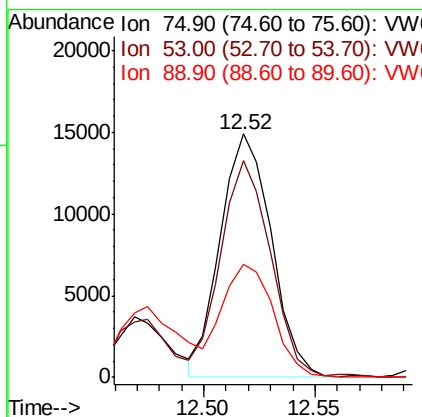
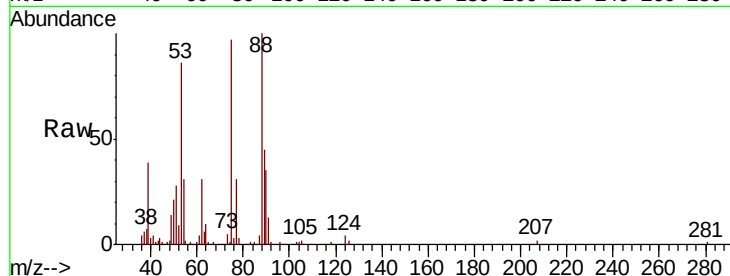
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	23532
Ion	Ratio	Lower	Upper
75	100		
53	88.7	67.0	100.6
89	46.8	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.76 ug/l

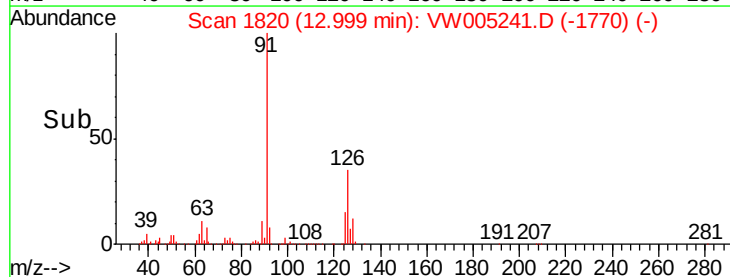
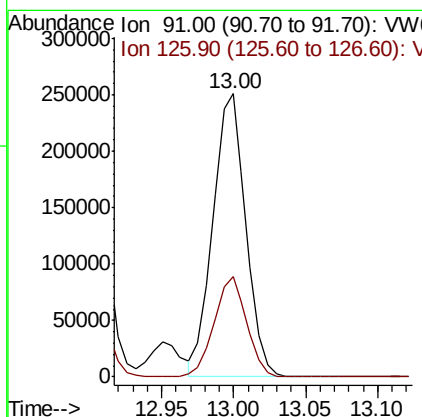
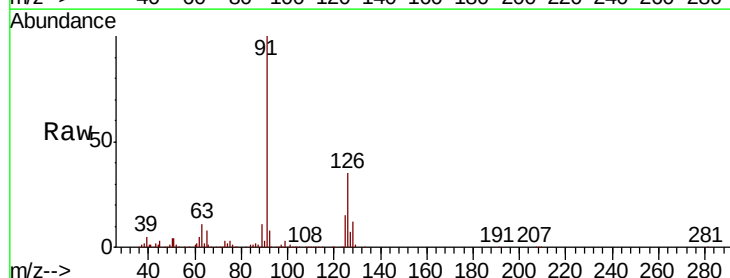
RT: 13.00 min Scan# 1820

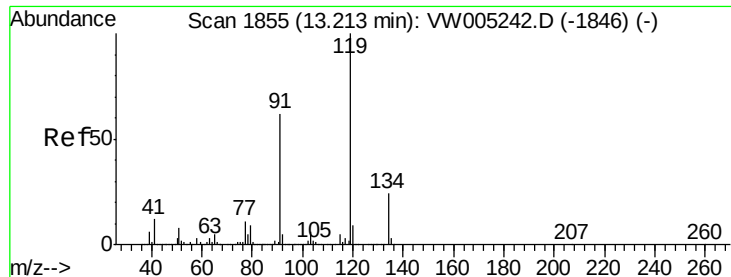
Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion:	91	Resp:	398631
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.5





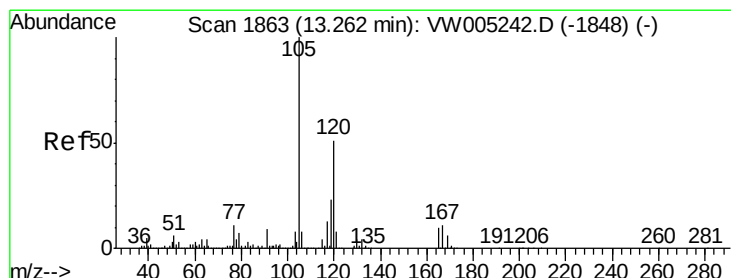
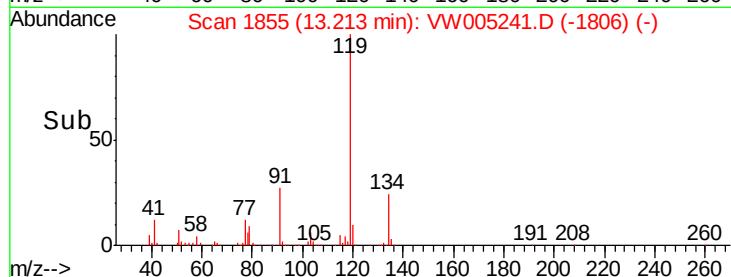
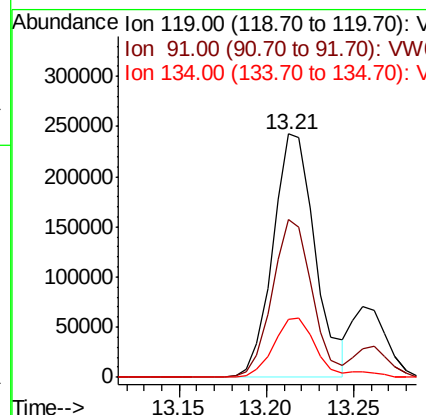
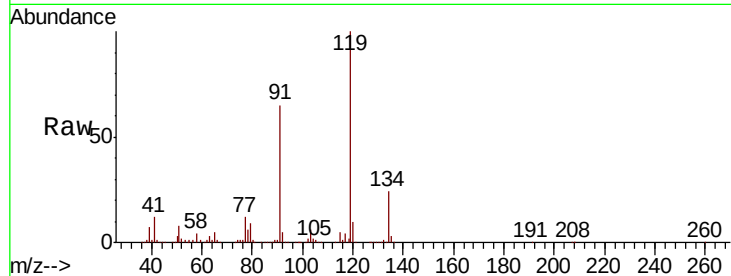
#83
 tert-Butylbenzene
 Concen: 19.73 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	31.7	95.1
134	25.4	13.0	38.9

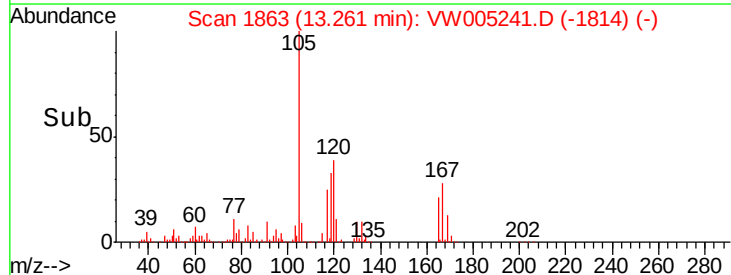
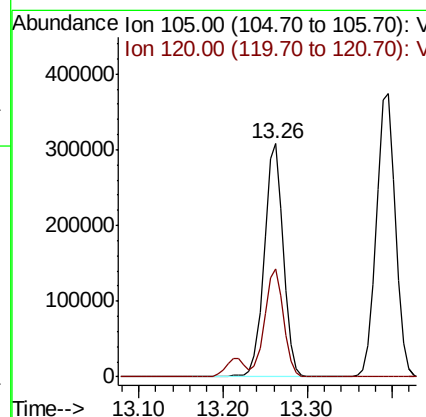
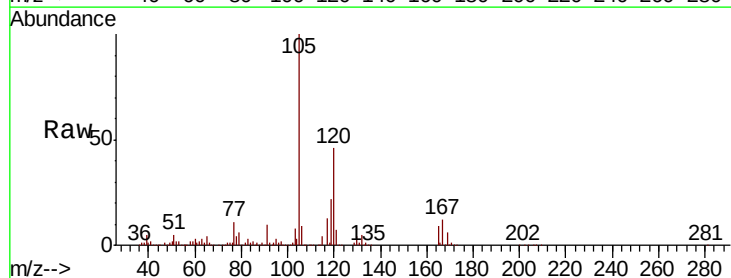
Manual Integrations
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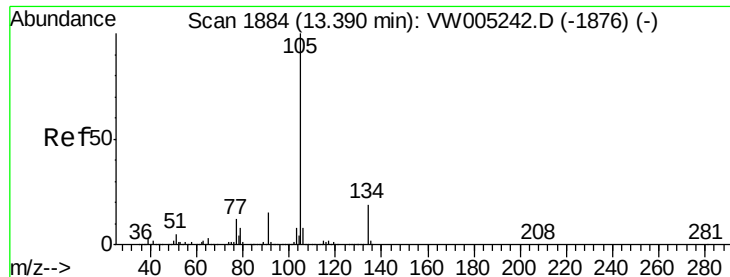
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.00 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.72 ug/l

RT: 13.40 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 588056

Ion Ratio Lower Upper

105 100

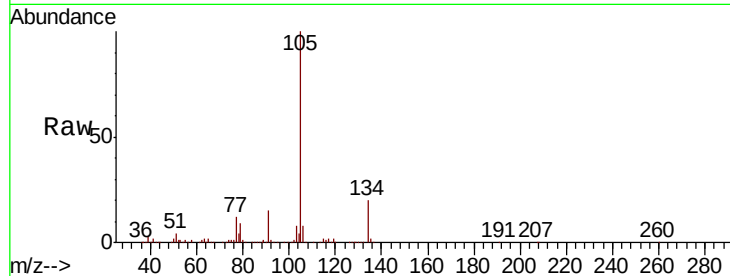
134 20.2 9.9 29.7

Manual Integrations

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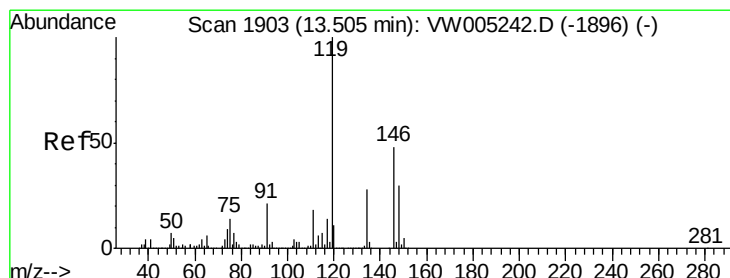
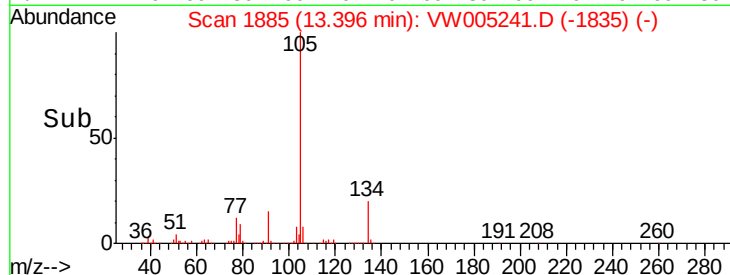
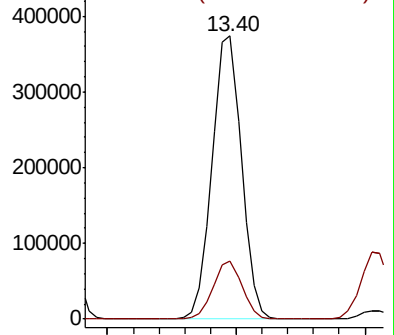
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.00 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

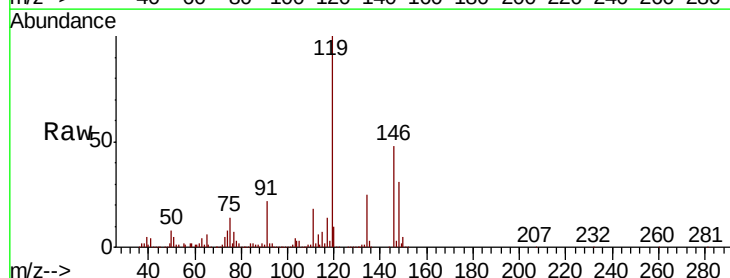
Tgt Ion:119 Resp: 528073

Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.5

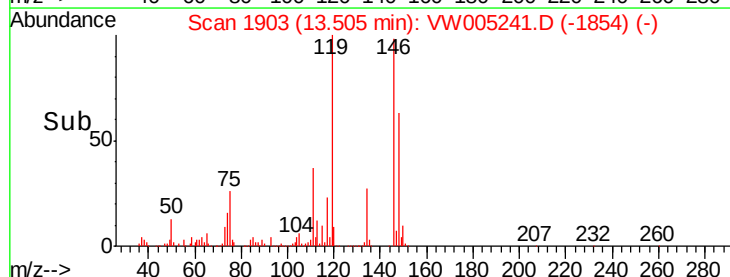
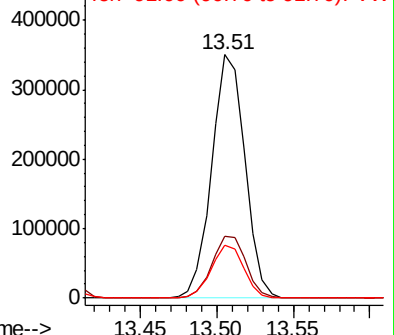
91 21.5 10.7 32.1

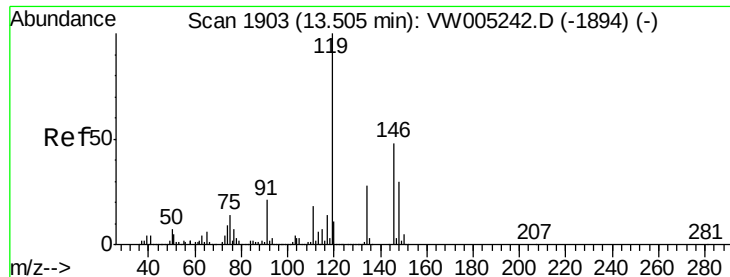


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





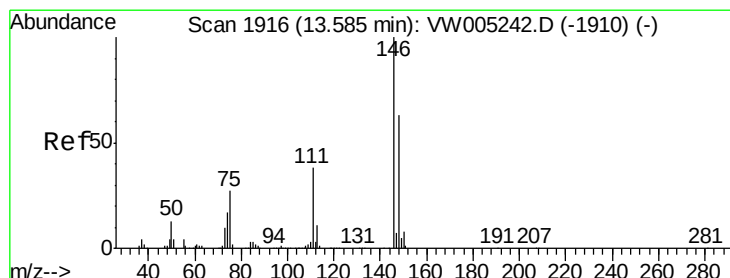
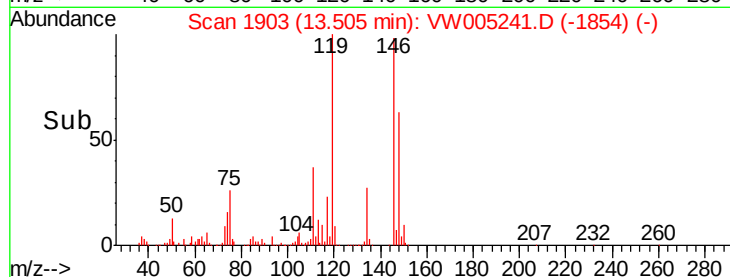
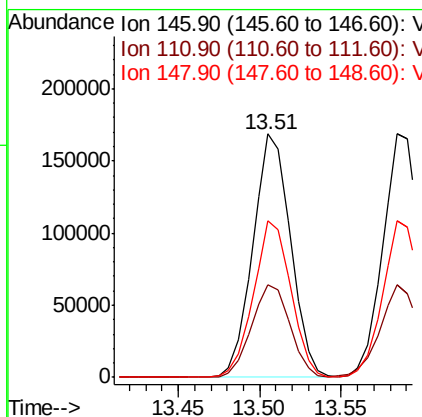
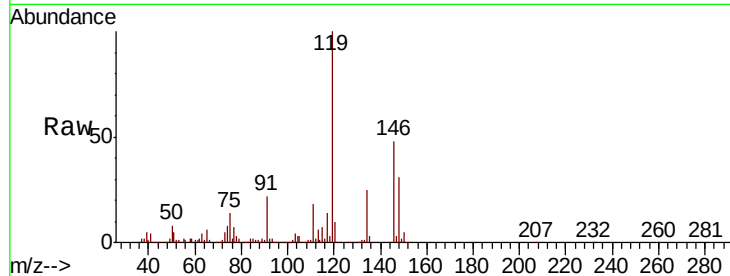
#87
 1,3-Dichlorobenzene
 Concen: 19.64 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	270625		
111	39.0		18.8	56.3
148	63.9		31.6	94.8

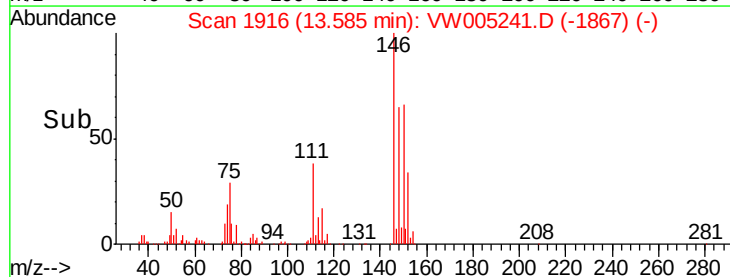
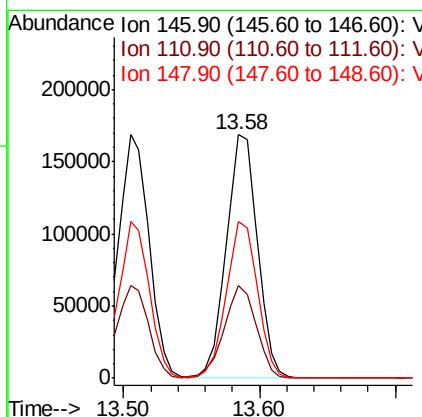
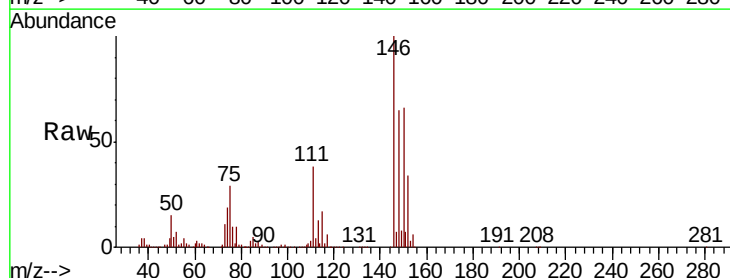
Manual Integrations
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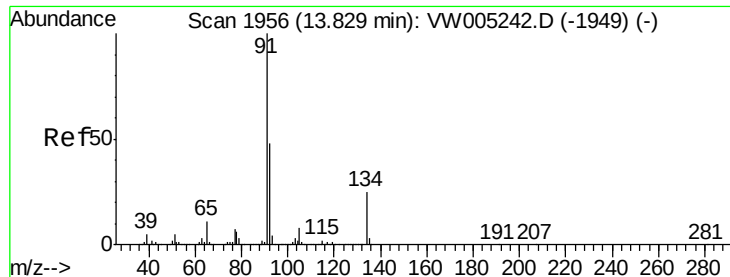
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#88
 1,4-Dichlorobenzene
 Concen: 19.85 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	268772		
111	39.0		19.1	57.3
148	64.5		32.3	96.9





#89

n-Butylbenzene

Concen: 19.47 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. 0.01 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

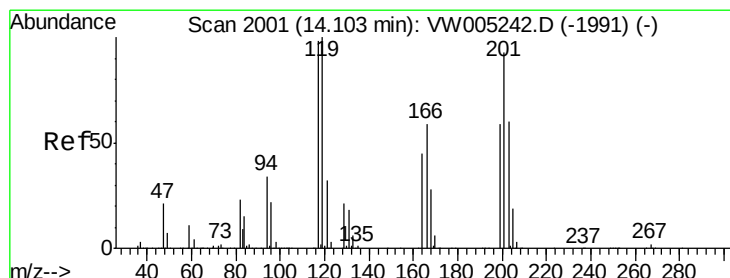
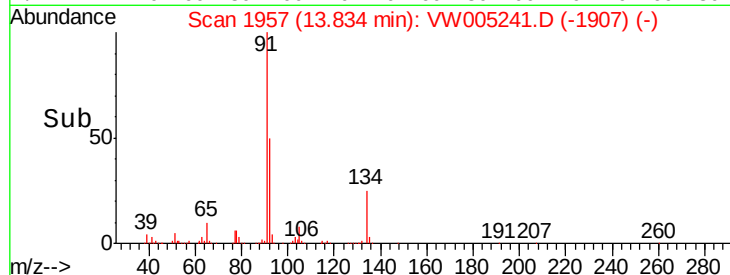
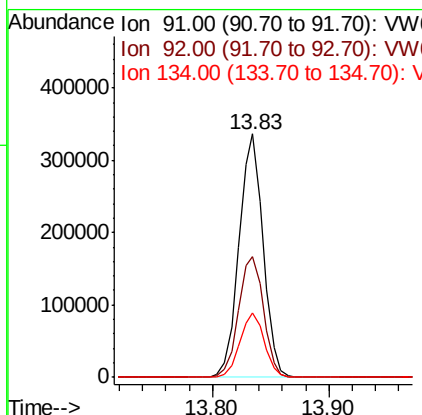
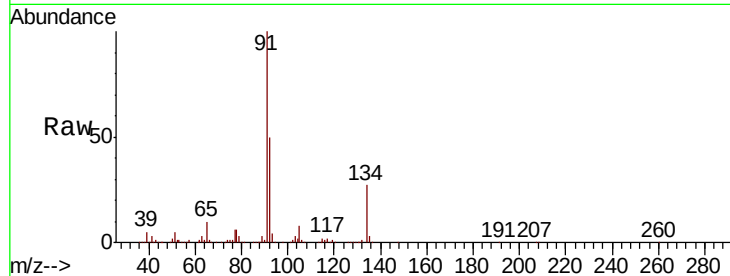
ClientSampleId :

VSTDIC020

Tot Ion:	91	Resp:	483251
Ion Ratio	Lower	Upper	
91	100		
92	51.8	25.8	77.3
134	26.8	13.6	40.8

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#90

Hexachloroethane

Concen: 19.11 ug/l

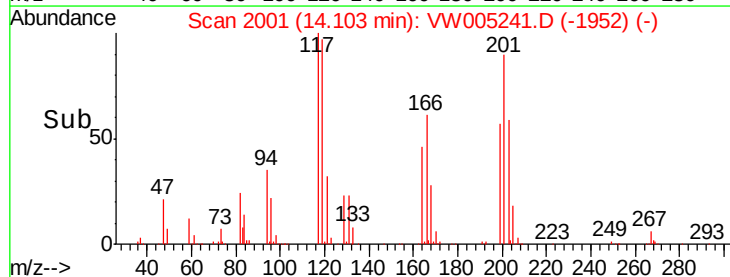
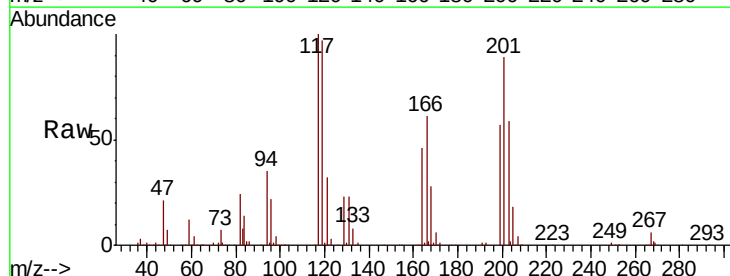
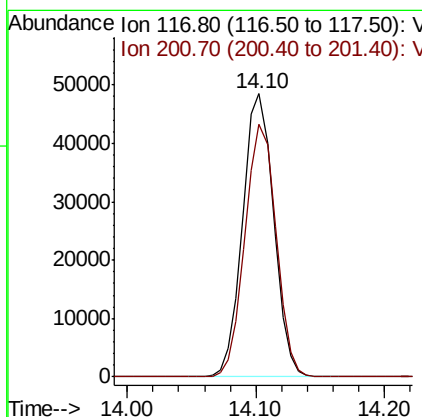
RT: 14.10 min Scan# 2001

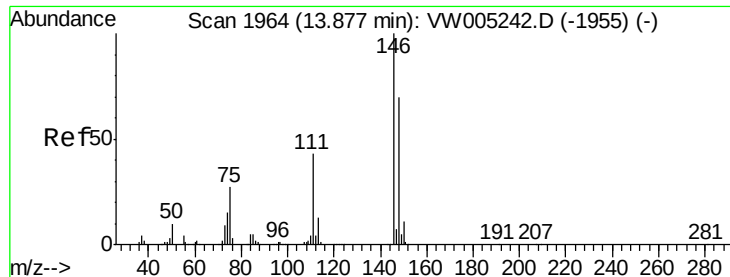
Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion:	117	Resp:	80842
Ion Ratio	Lower	Upper	
117	100		
201	89.3	44.0	132.1





#91

1,2-Dichlorobenzene

Concen: 19.81 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Instrument :

MSVOA_W

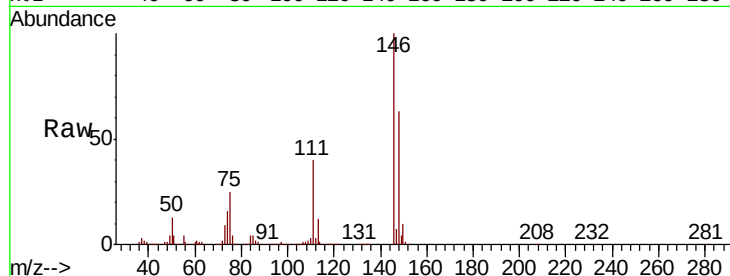
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	240004
Ion Ratio		Lower	Upper
146	100		
111	40.1	20.5	61.5
148	63.9	32.7	98.1

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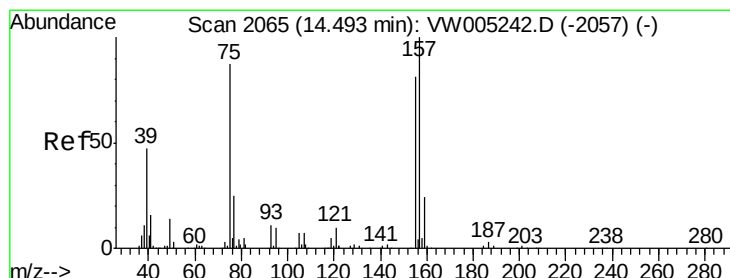
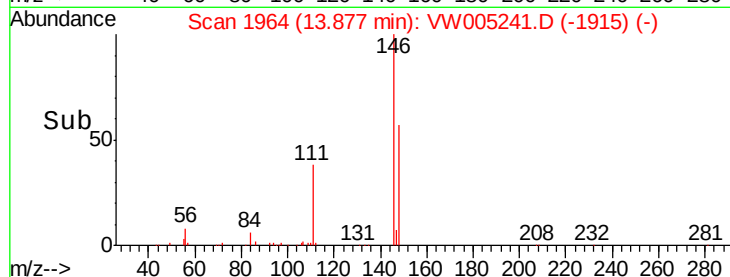
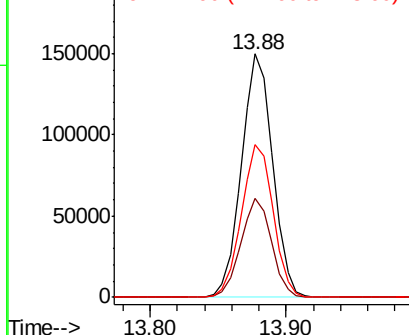


Abundance

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: 18.55 ug/l

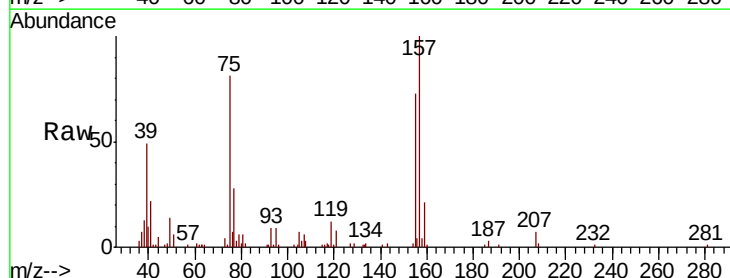
RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005241.D

Acq: 10 Sep 2018 14:58

Tgt Ion:	75	Resp:	12919
Ion Ratio		Lower	Upper
75	100		
155	90.9	47.4	142.2
157	121.5	59.4	178.2

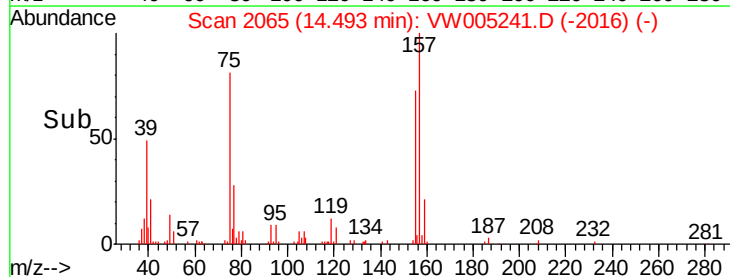
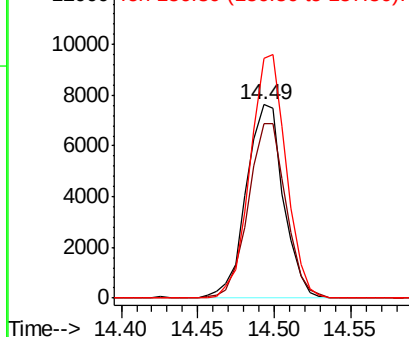


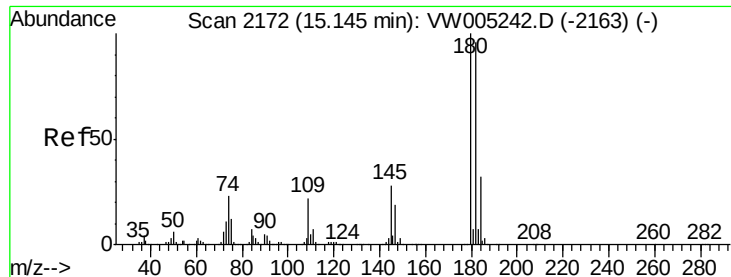
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





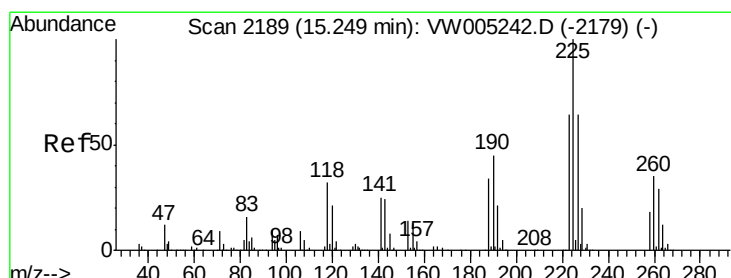
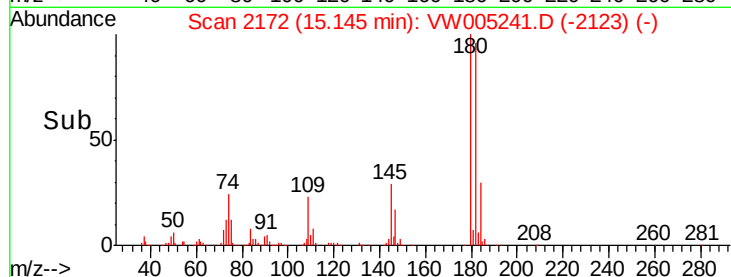
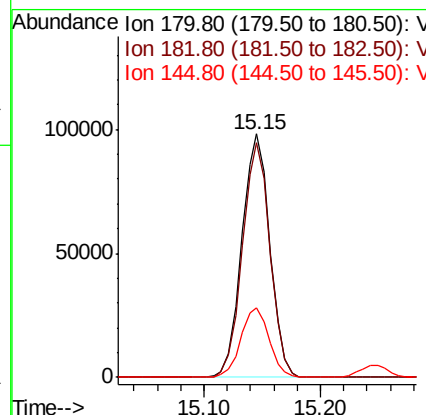
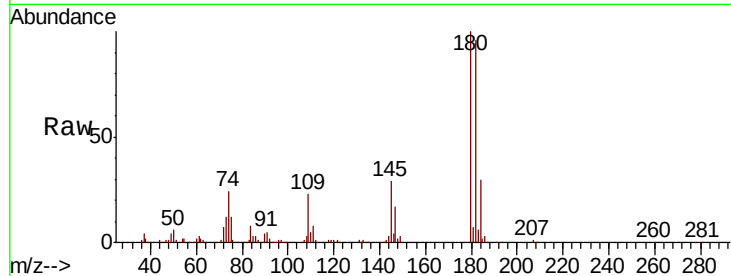
#93
 1,2,4-Trichlorobenzene
 Concen: 19.14 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	164011		
182	95.0	48.1	144.4	
145	28.9	14.5	43.6	

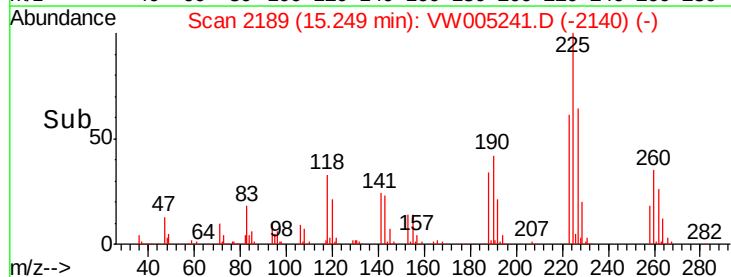
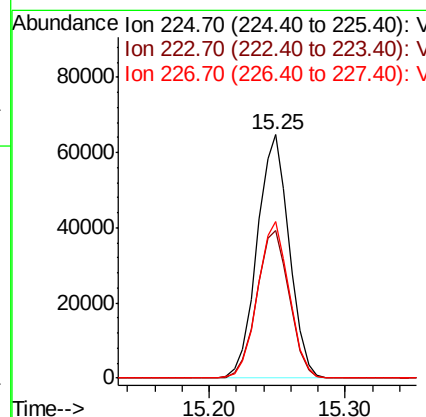
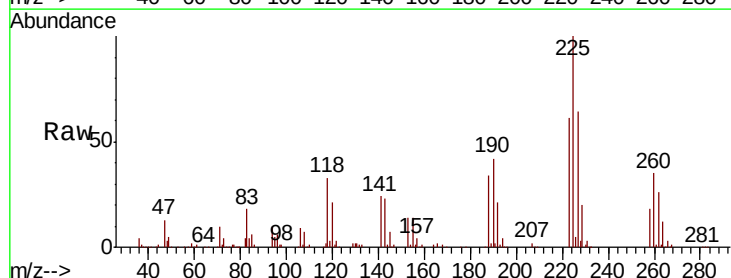
Manual Integrations
 APPROVED

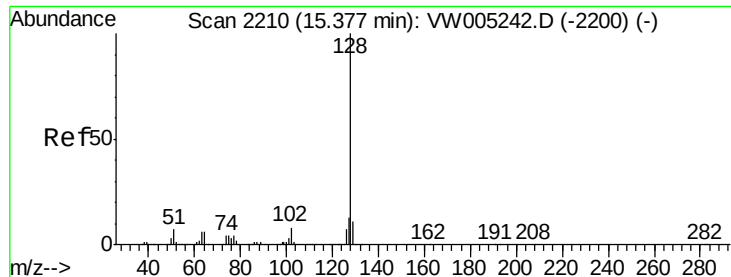
apatel
 9/11/2018 11:09:21 AM



#94
 Hexachlorobutadiene
 Concen: 19.51 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. -0.00 min
 Lab File: VW005241.D
 Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107036		
223	61.6	31.4	94.2	
227	63.2	32.0	96.0	





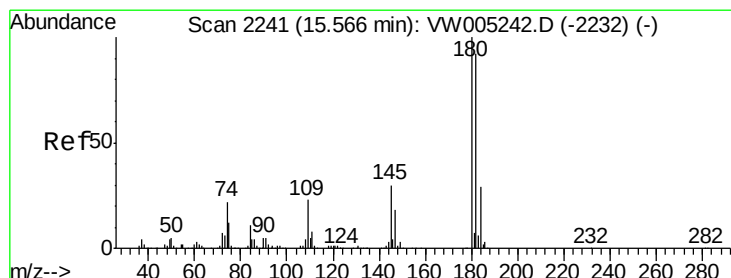
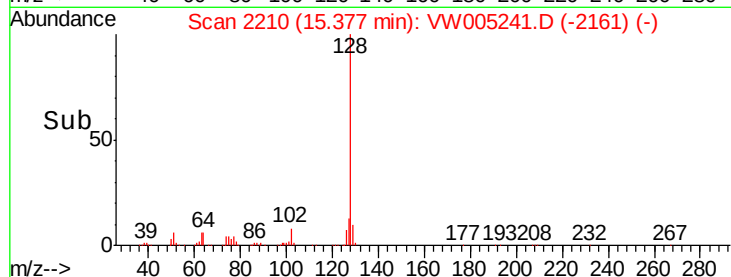
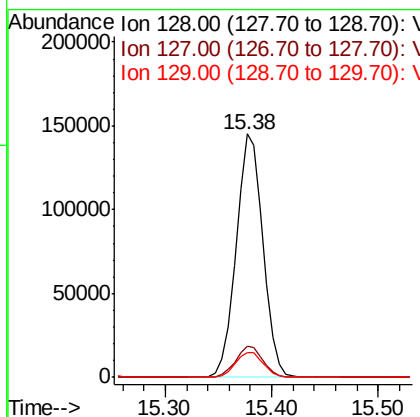
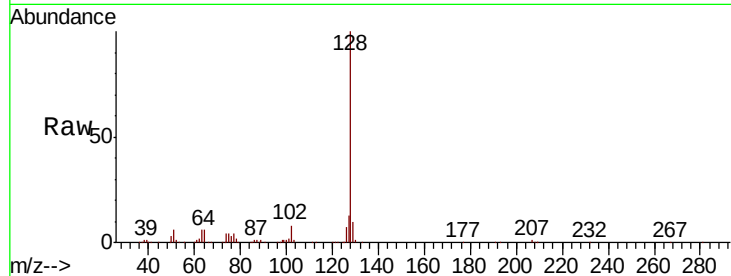
#95
Naphthalene
Concen: 18.41 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	255848		
127	12.9		10.3	15.5
129	10.7		8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 19.30 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005241.D
Acq: 10 Sep 2018 14:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	142295		
182	95.4		47.2	141.6
145	30.4		15.2	45.6

