

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009233.D
 Acq On : 19 Mar 2019 10:57
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:52:56 AM

Quant Time: Mar 20 07:10:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:57:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	302004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	420183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	227193	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	17057	5.31	ug/l	0.00
Spiked Amount			Recovery	=	10.62%	
35) Dibromofluoromethane	7.88	113	15999	5.48	ug/l	0.00
Spiked Amount			Recovery	=	10.96%	
50) Toluene-d8	10.32	98	51314	4.83	ug/l	0.00
Spiked Amount			Recovery	=	9.66%	
62) 4-Bromofluorobenzene	12.61	95	17789	4.56	ug/l	0.00
Spiked Amount			Recovery	=	9.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	10676	5.039	ug/l	95
3) Chloromethane	2.21	50	11236	5.132	ug/l	99
4) Vinyl Chloride	2.36	62	17326	5.392	ug/l	99
5) Bromomethane	2.78	94	14790	5.644	ug/l	99
6) Chloroethane	2.93	64	13046	5.233	ug/l	99
7) Trichlorofluoromethane	3.25	101	10041	4.770	ug/l	96
8) Diethyl Ether	3.68	74	8519	5.612	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	17926	5.879	ug/l #	85
10) Methyl Iodide	4.27	142	24544	5.584	ug/l	100
11) Tert butyl alcohol	5.20	59	4797	25.735	ug/l #	88
12) 1,1-Dichloroethene	4.02	96	16165	5.609	ug/l #	80
13) Acrolein	3.90	56	4462	29.312	ug/l	100
14) Allyl chloride	4.65	41	23666	5.570	ug/l	94
15) Acrylonitrile	5.37	53	16385	25.683	ug/l	98
16) Acetone	4.13	43	18079	27.431	ug/l	97
17) Carbon Disulfide	4.38	76	45156	5.620	ug/l	97
18) Methyl Acetate	4.67	43	10080	5.959	ug/l	94
19) Methyl tert-butyl Ether	5.41	73	18761	5.304	ug/l	96
20) Methylene Chloride	4.92	84	19928	6.476	ug/l #	90
21) trans-1,2-Dichloroethene	5.41	96	16314	5.502	ug/l	89
22) Diisopropyl ether	6.31	45	46289	5.053	ug/l	97
23) Vinyl Acetate	6.26	43	129272	22.492	ug/l	96
24) 1,1-Dichloroethane	6.21	63	32092	5.677	ug/l	98
25) 2-Butanone	7.17	43	23741	25.140	ug/l	97
26) 2,2-Dichloropropane	7.16	77	17617	5.577	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	16641	5.180	ug/l	94
28) Bromochloromethane	7.51	49	12351	4.981	ug/l	97
29) Tetrahydrofuran	7.53	42	14559	24.255	ug/l	97
30) Chloroform	7.67	83	32238	5.481	ug/l	92
31) Cyclohexane	7.95	56	31864	6.046	ug/l #	84
32) 1,1,1-Trichloroethane	7.87	97	26749	5.697	ug/l	97
36) 1,1-Dichloropropene	8.08	75	24833	5.418	ug/l	98
37) Ethyl Acetate	7.25	43	10260	4.905	ug/l	97
38) Carbon Tetrachloride	8.06	117	27413	5.651	ug/l	92

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Mar 20 07:10:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:57:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	27286	5.145	ug/l	94
40) Benzene	8.32	78	66816	5.375	ug/l	97
41) Methacrylonitrile	7.49	41	6064	5.379	ug/l	88
42) 1,2-Dichloroethane	8.40	62	21957	5.404	ug/l	100
43) Isopropyl Acetate	8.43	43	21135	5.046	ug/l	98
44) Trichloroethene	9.09	130	19414	5.701	ug/l	90
45) 1,2-Dichloropropane	9.37	63	17467	5.528	ug/l	99
46) Dibromomethane	9.46	93	9247	5.322	ug/l	99
47) Bromodichloromethane	9.64	83	23309	5.308	ug/l #	95
48) Methyl methacrylate	9.43	41	8936	4.608	ug/l	92
49) 1,4-Dioxane	9.46	88	2406	89.273	ug/l #	68
51) 4-Methyl-2-Pentanone	10.21	43	52447	24.028	ug/l	96
52) Toluene	10.38	92	40063	5.087	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	20657	4.824	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	24743	5.136	ug/l	99
55) 1,1,2-Trichloroethane	10.78	97	12841	5.458	ug/l	94
56) Ethyl methacrylate	10.64	69	11889	4.244	ug/l	94
57) 1,3-Dichloropropane	10.93	76	21345	5.260	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	33883	41.333	ug/l	97
59) 2-Hexanone	10.97	43	32507	21.936	ug/l	99
60) Dibromochloromethane	11.13	129	15069	5.184	ug/l	97
61) 1,2-Dibromoethane	11.23	107	11664	5.205	ug/l	98
64) Tetrachloroethene	10.86	164	15696	5.455	ug/l	93
65) Chlorobenzene	11.66	112	47593	5.477	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	17123	5.275	ug/l	96
67) Ethyl Benzene	11.73	91	74928	4.978	ug/l	95
68) m/p-Xylenes	11.84	106	57782	9.904	ug/l	100
69) o-Xylene	12.16	106	26093	4.816	ug/l	98
70) Styrene	12.18	104	41309	4.625	ug/l	97
71) Bromoform	12.35	173	9408	5.306	ug/l #	95
73) Isopropylbenzene	12.46	105	70987	4.675	ug/l	99
74) N-amyl acetate	12.27	43	16750	4.229	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	14998	5.280	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	12792m	5.569	ug/l	
77) Bromobenzene	12.75	156	18838	5.237	ug/l	95
78) n-propylbenzene	12.80	91	88721	4.757	ug/l	99
79) 2-Chlorotoluene	12.90	91	52013	4.909	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	60039	4.649	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	4040	4.643	ug/l	92
82) 4-Chlorotoluene	12.99	91	55799	4.999	ug/l	95
83) tert-Butylbenzene	13.21	119	50763	4.600	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	62135	4.693	ug/l	97
85) sec-Butylbenzene	13.38	105	76528	4.693	ug/l	98
86) p-Isopropyltoluene	13.50	119	67435	4.644	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39345	5.286	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	40627	5.482	ug/l	94
89) n-Butylbenzene	13.83	91	66140	4.745	ug/l	98
90) Hexachloroethane	14.10	117	15075	5.265	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	35173	5.270	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2431	4.780	ug/l	92

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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

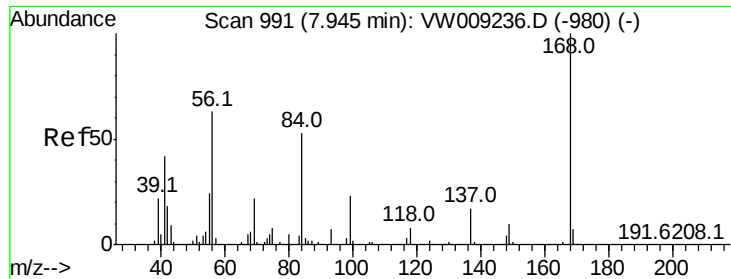
Manual Integrations
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3/22/2019 3:52:56 AM

Quant Time: Mar 20 07:10:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 06:57:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21782	4.859	ug/l	99
94) Hexachlorobutadiene	15.24	225	15063	5.283	ug/l	99
95) Naphthalene	15.37	128	31258	4.025	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	20170	5.041	ug/l	98

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



#1

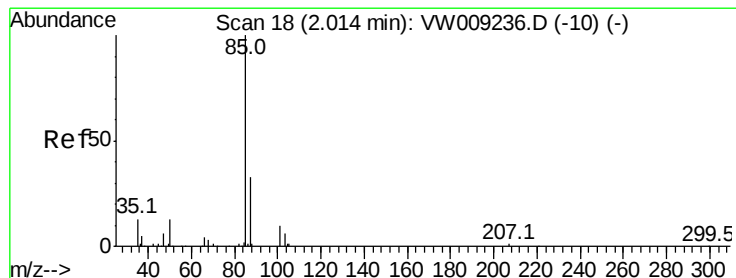
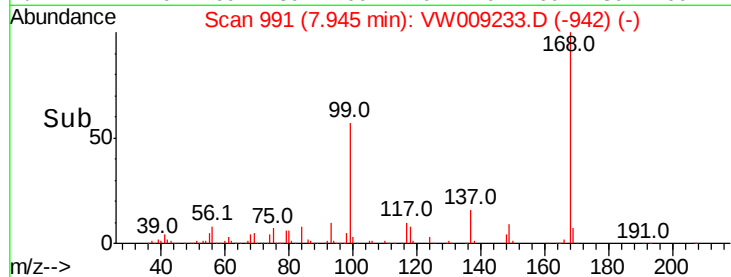
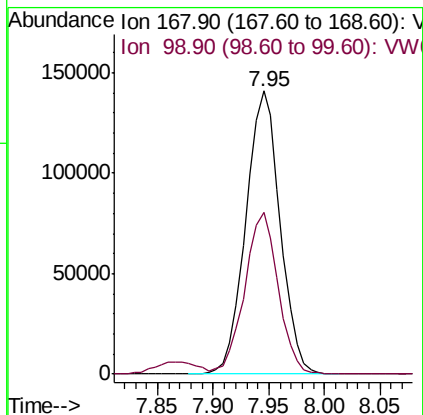
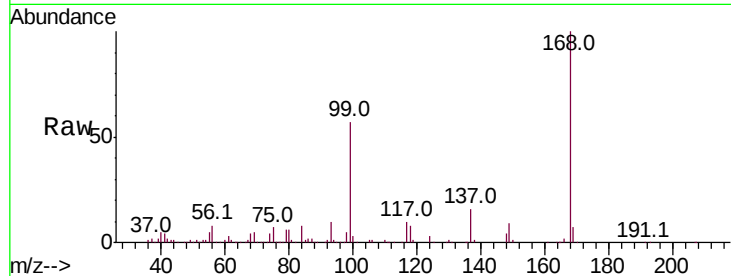
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
168	100		
99	57.1	45.4	68.0

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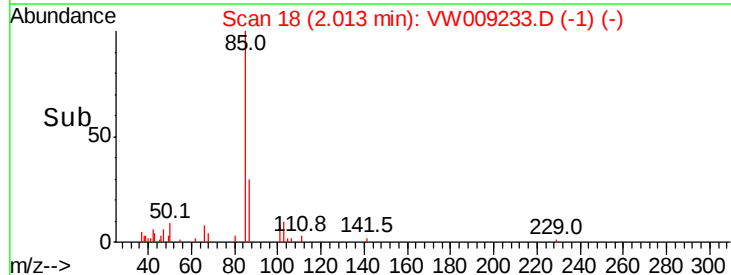
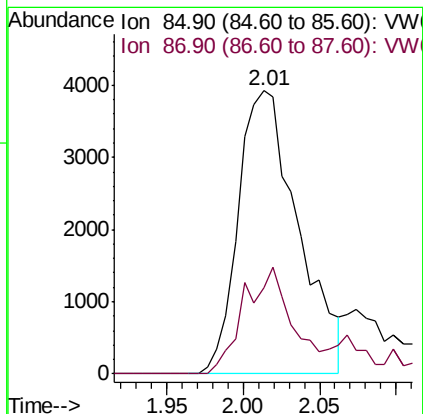
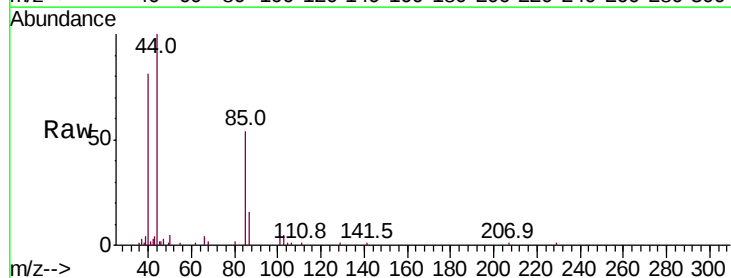
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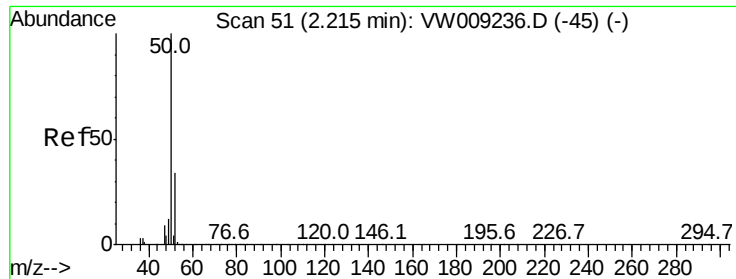


#2

Dichlorodifluoromethane
 Concen: 5.039 ug/l
 RT: 2.01 min Scan# 18
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.3	16.7	50.1





#3

Chloromethane

Concen: 5.132 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11236

Ion Ratio Lower Upper

50 100

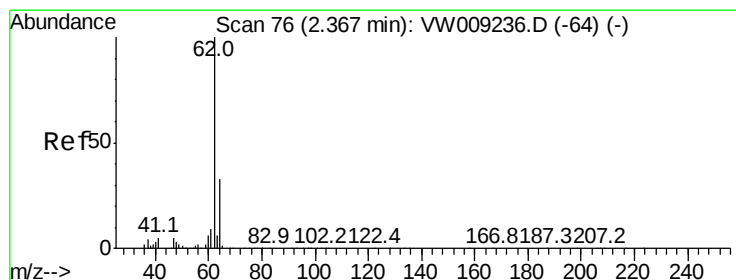
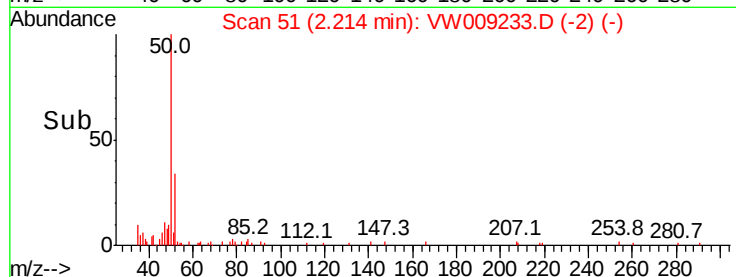
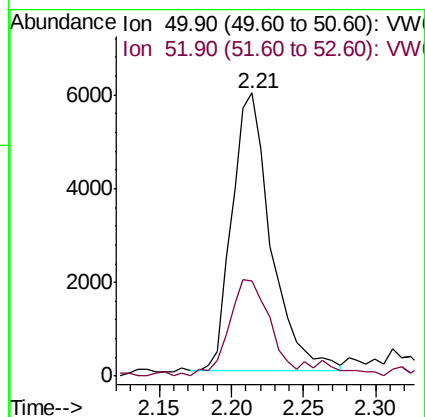
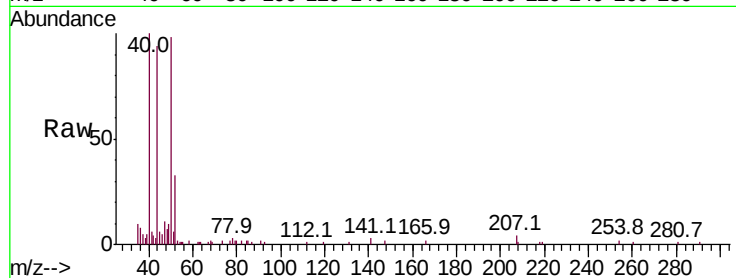
52 34.3 27.2 40.8

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#4

Vinyl Chloride

Concen: 5.392 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW009233.D

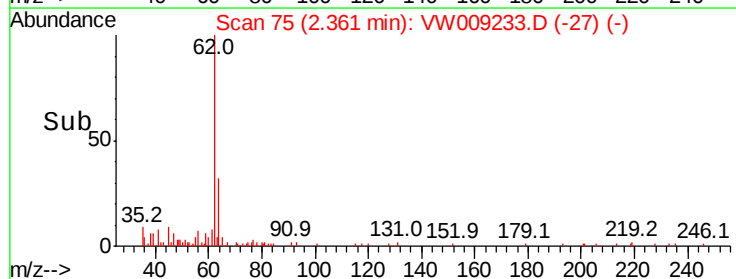
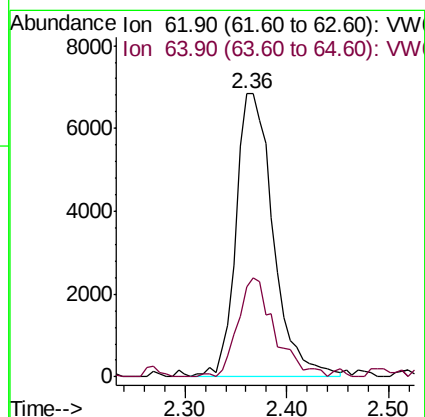
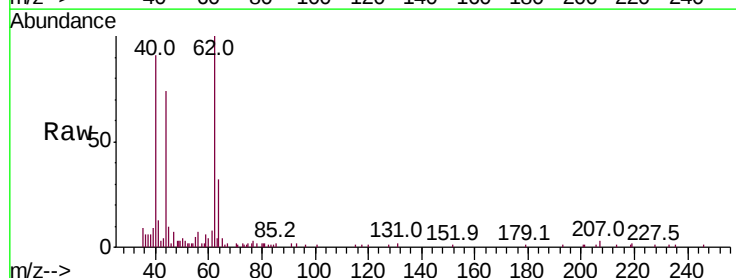
Acq: 19 Mar 2019 10:57

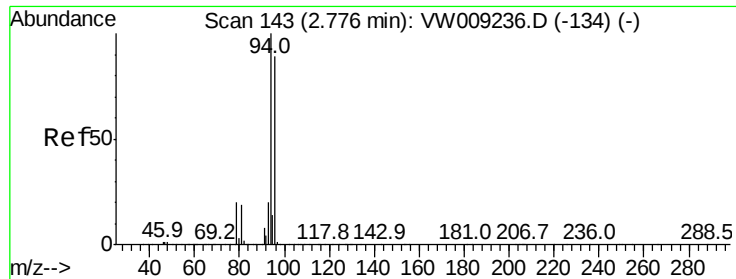
Tgt Ion: 62 Resp: 17326

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2





#5

Bromomethane

Concen: 5.644 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14790

Ion Ratio Lower Upper

94 100

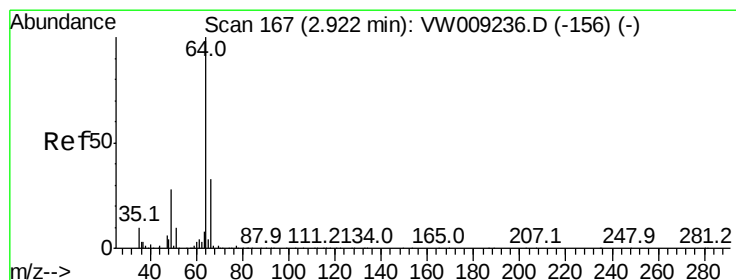
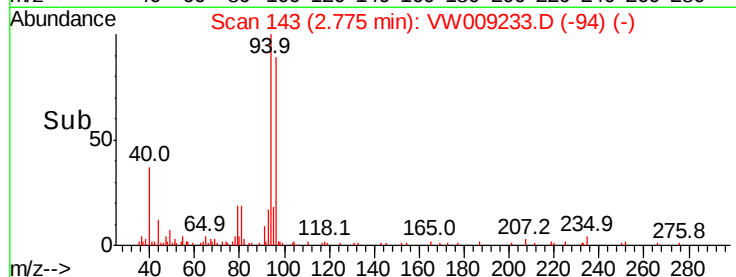
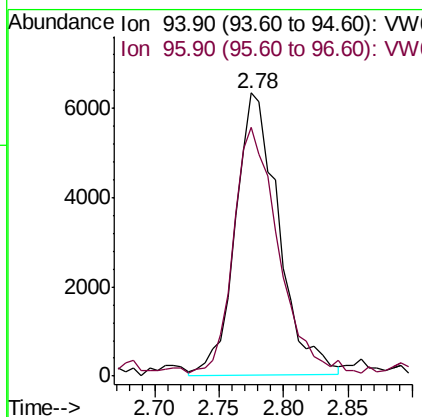
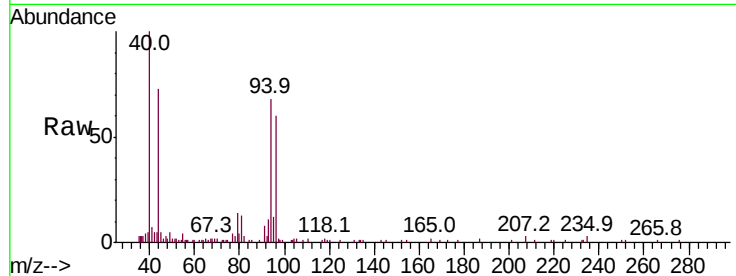
96 88.5 71.4 107.2

Manual Integrations

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#6

Chloroethane

Concen: 5.233 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009233.D

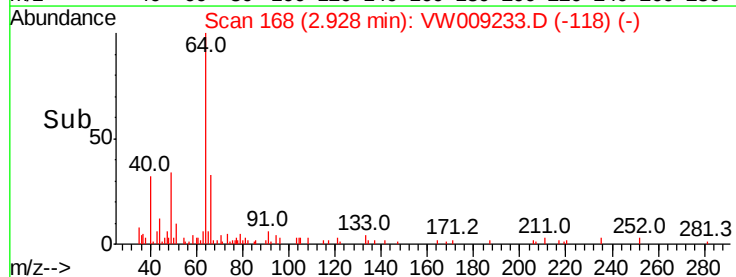
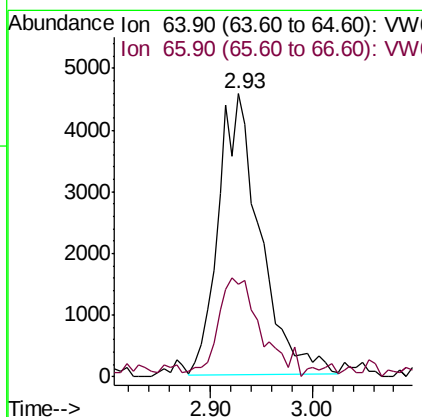
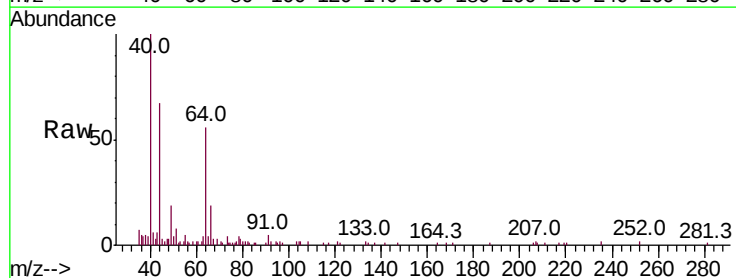
Acq: 19 Mar 2019 10:57

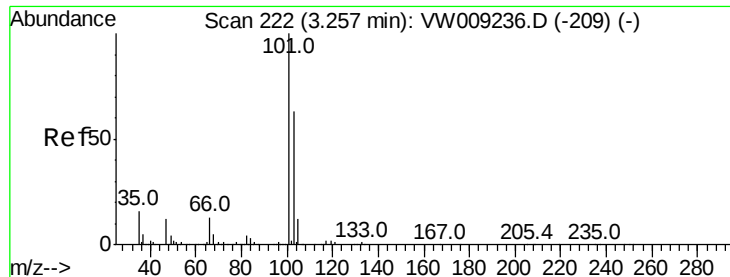
Tgt Ion: 64 Resp: 13046

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2





#7

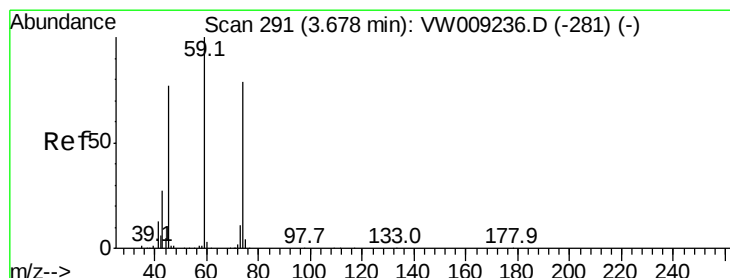
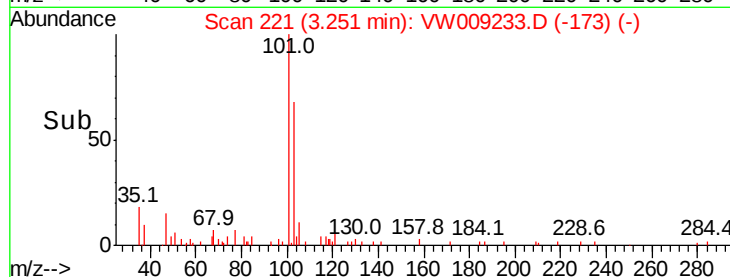
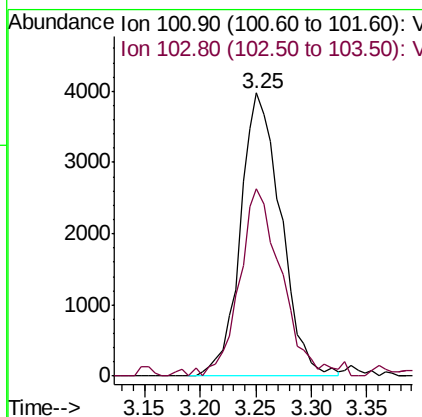
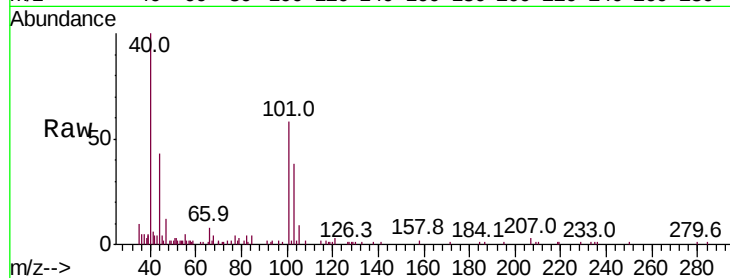
Trichlorofluoromethane
Concen: 4.770 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	50.5	75.7

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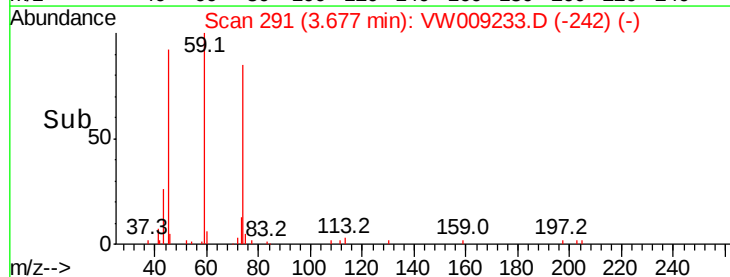
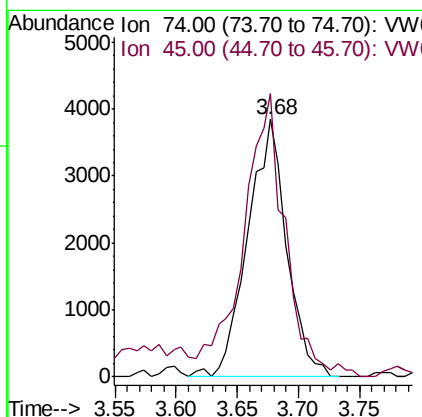
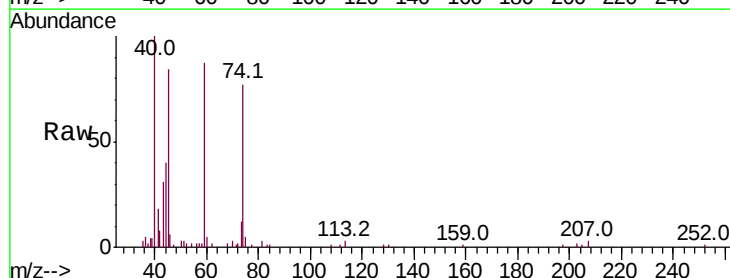
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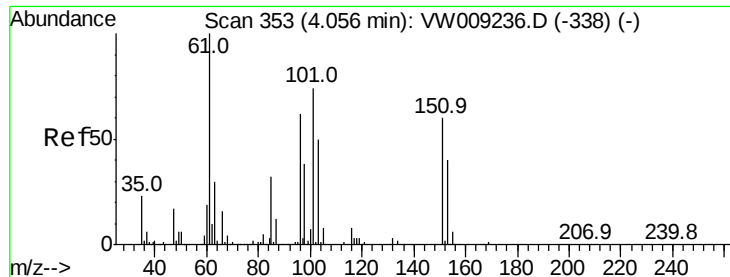


#8

Diethyl Ether
Concen: 5.612 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.8	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.879 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

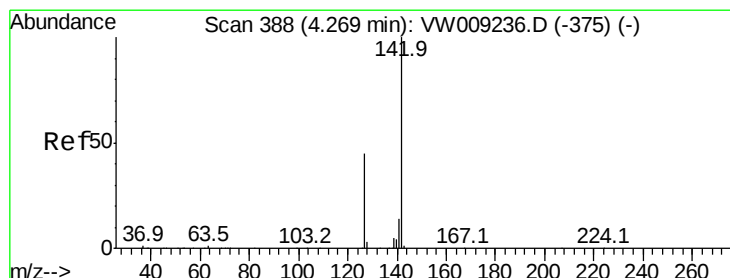
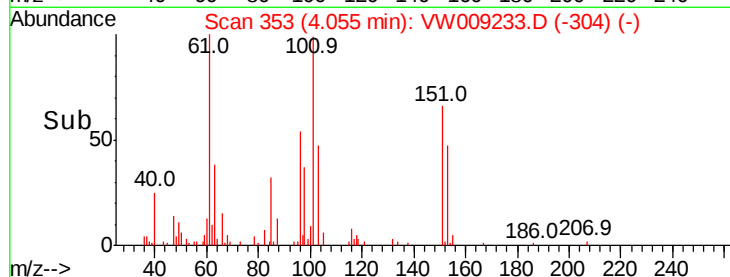
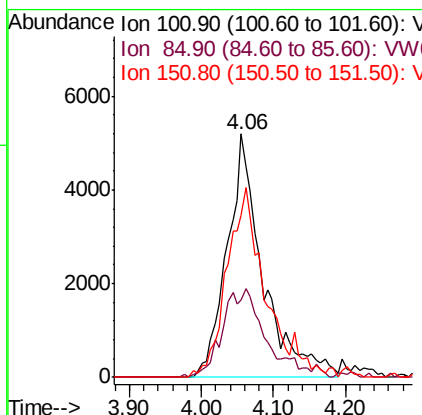
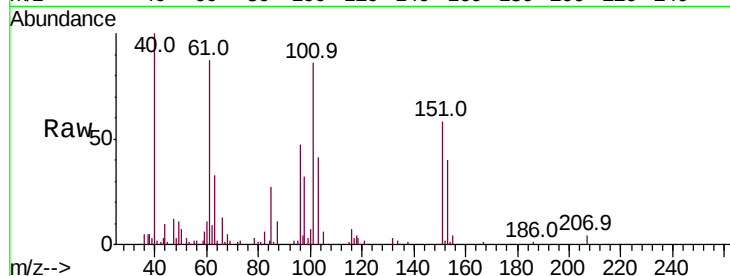
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	17926
Ion Ratio	Lower	Upper	
101	100		
85	17.3	35.1	52.7#
151	77.8	62.9	94.3

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#10

Methyl Iodide

Concen: 5.584 ug/l

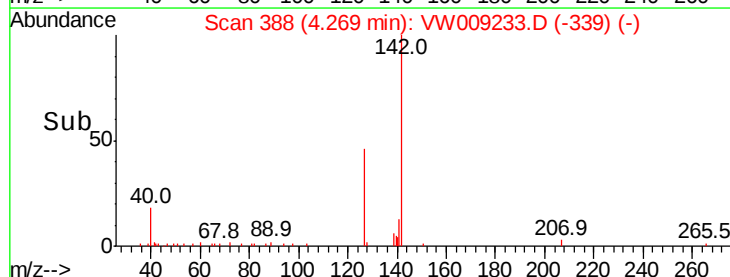
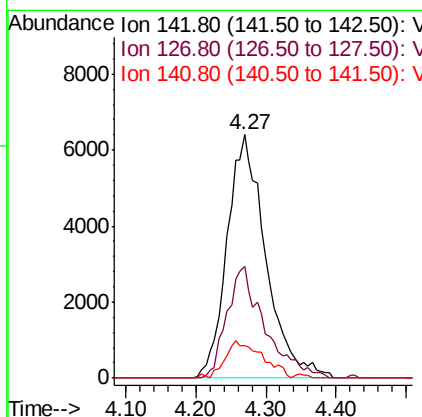
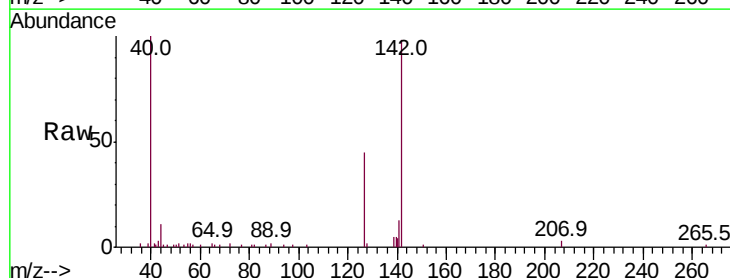
RT: 4.27 min Scan# 388

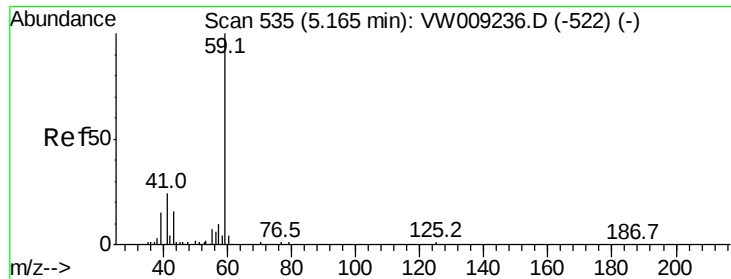
Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Tgt Ion:	142	Resp:	24544
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.9	53.9
141	14.8	11.4	17.2





#11

Tert butyl alcohol

Concen: 25.735 ug/l

RT: 5.20 min Scan# 540

Delta R.T. 0.03 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

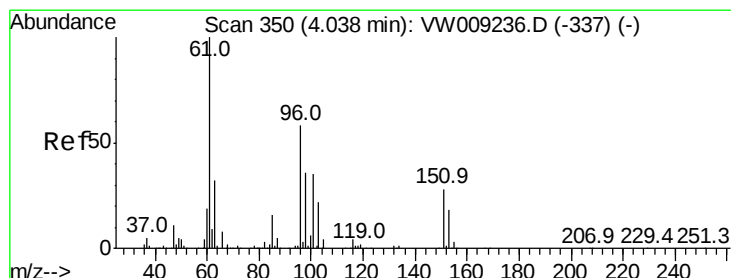
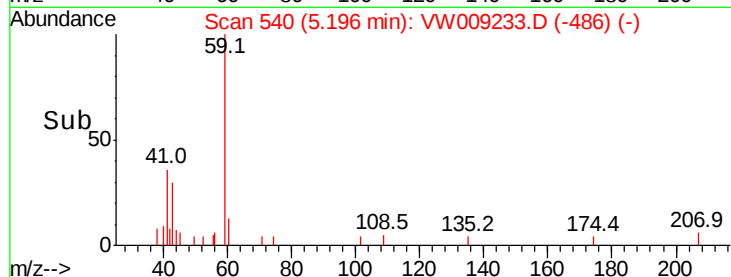
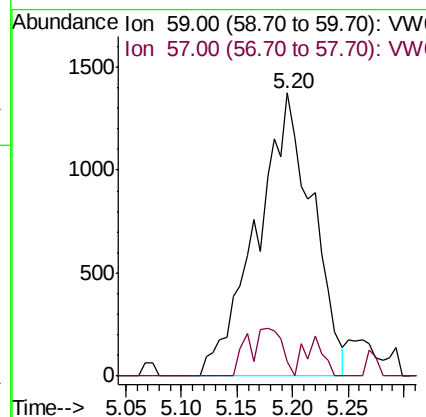
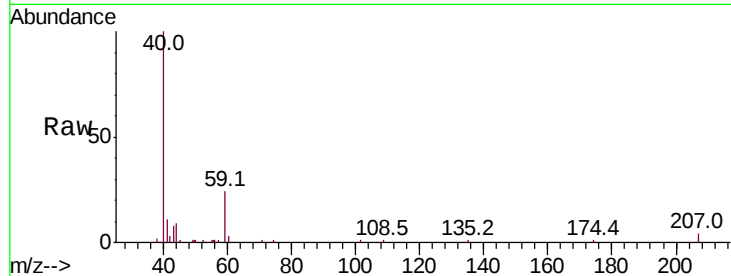
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 4797

Ion	Ratio	Lower	Upper
59	100		
57	7.1	9.4	14.0#

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#12

1,1-Dichloroethene

Concen: 5.609 ug/l

RT: 4.02 min Scan# 348

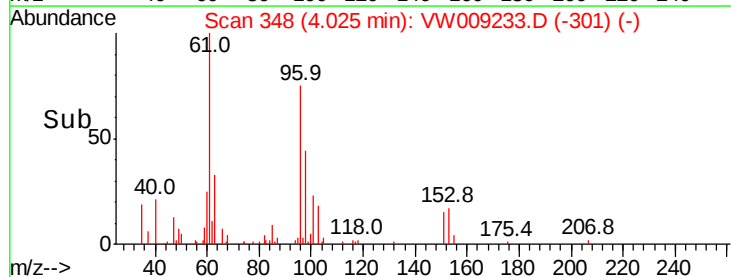
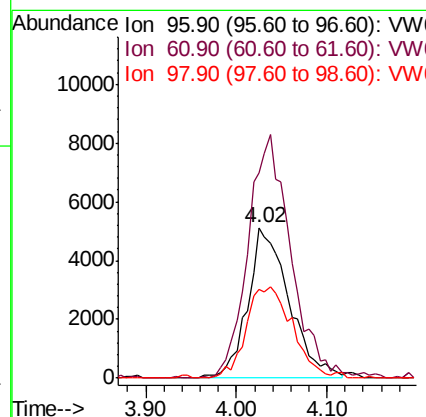
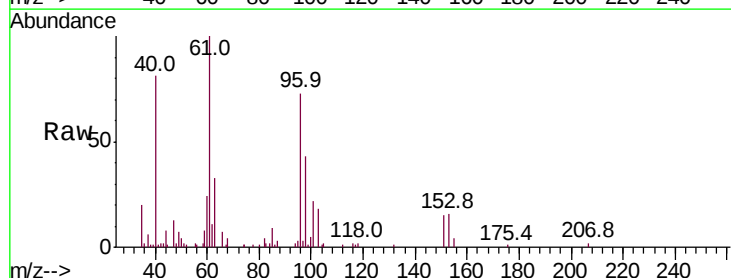
Delta R.T. -0.01 min

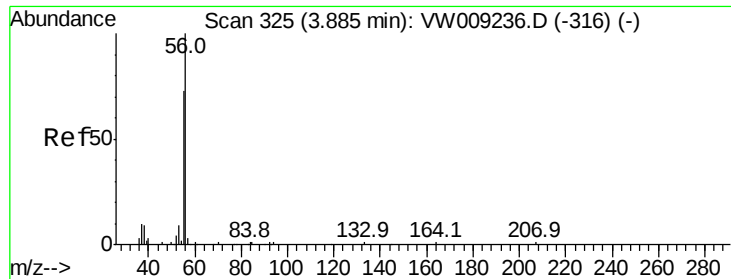
Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Tgt Ion: 96 Resp: 16165

Ion	Ratio	Lower	Upper
96	100		
61	136.5	138.0	207.0#
98	59.2	49.8	74.8





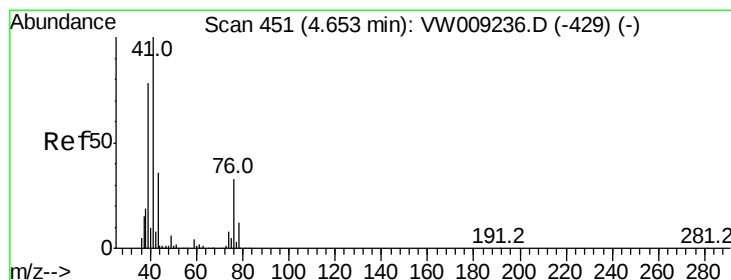
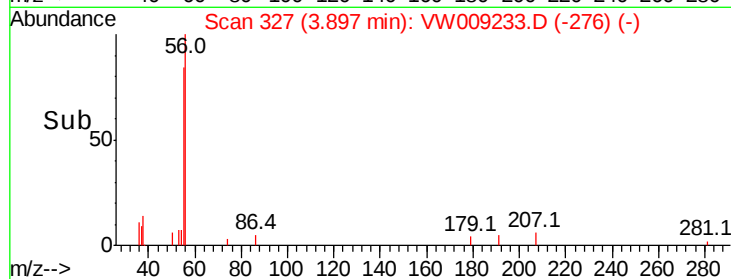
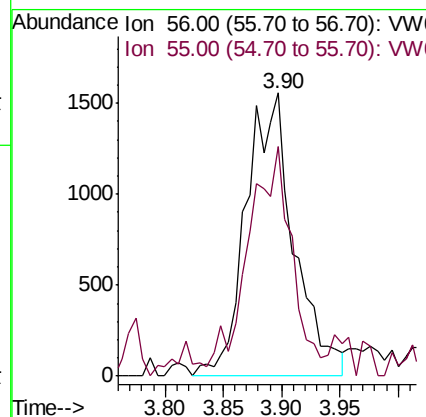
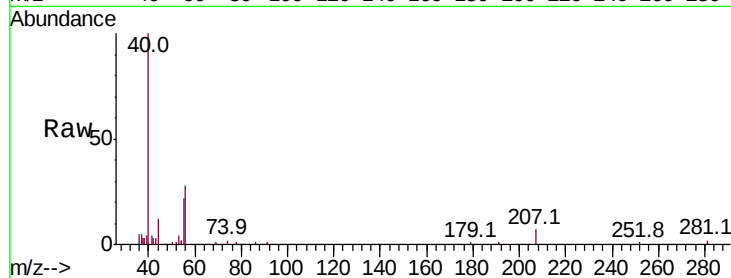
#13
Acrolein
Concen: 29.312 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.3	55.2	82.8

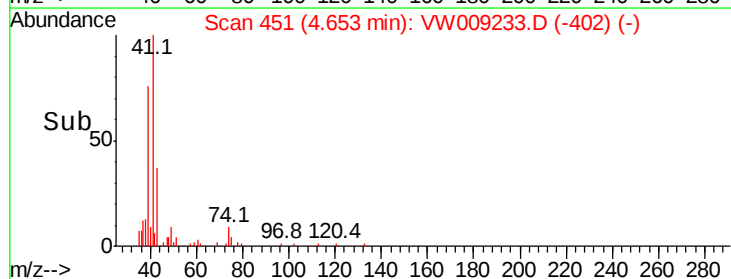
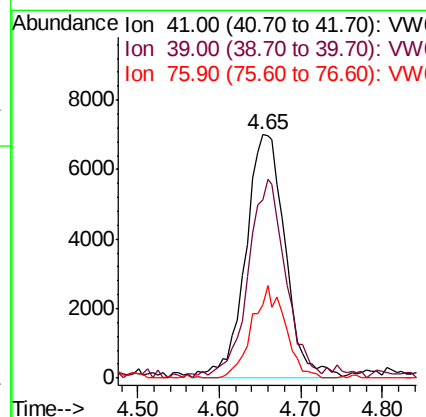
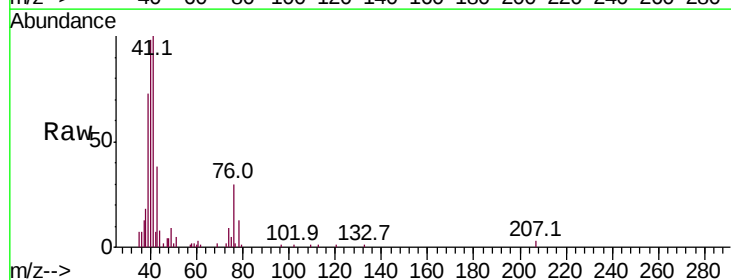
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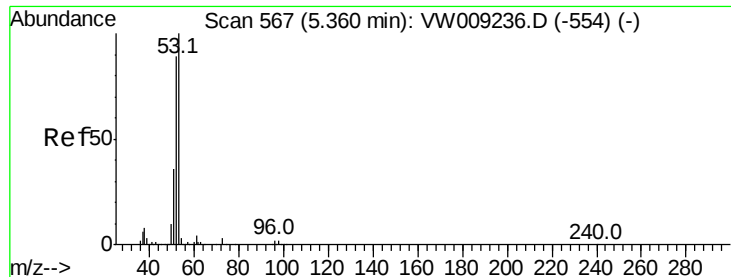
MMDadoda
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#14
Allyl chloride
Concen: 5.570 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.3	63.8	95.6
76	31.8	27.8	41.6





#15

Acrylonitrile

Concen: 25.683 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

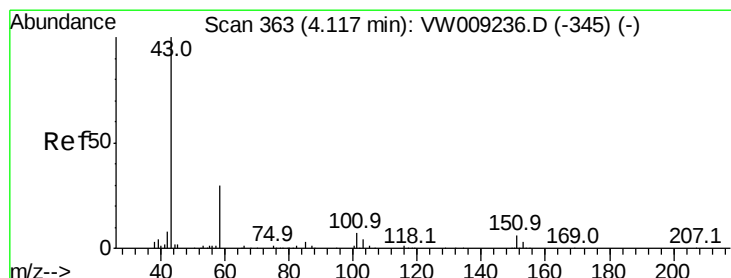
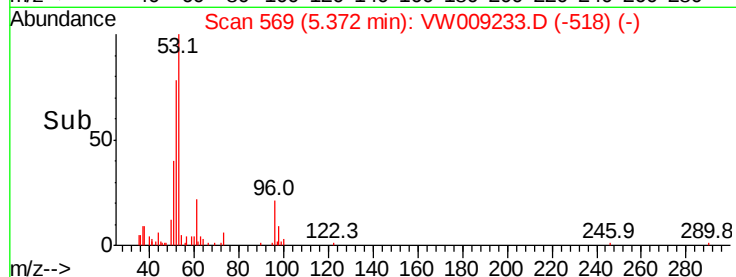
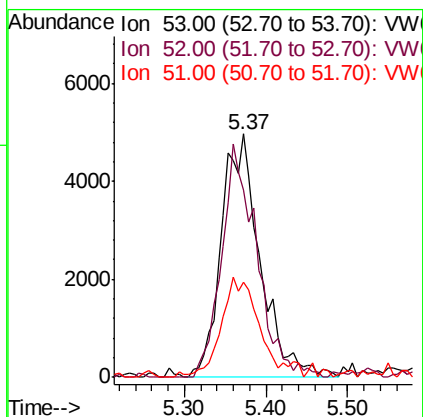
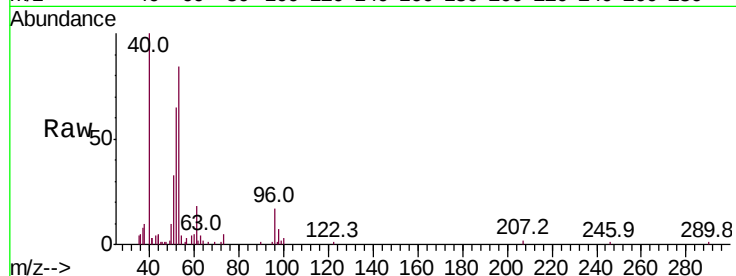
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	16385
Ion	Ratio	Lower	Upper
53	100		
52	86.9	67.6	101.4
51	39.5	30.6	45.8

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#16

Acetone

Concen: 27.431 ug/l

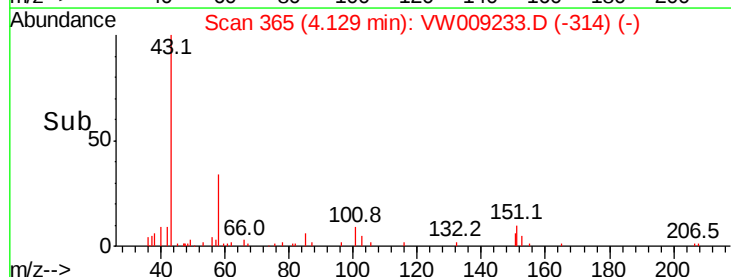
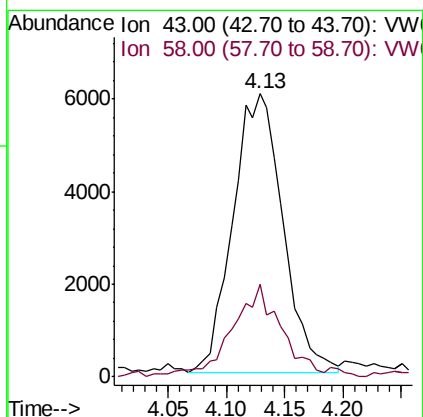
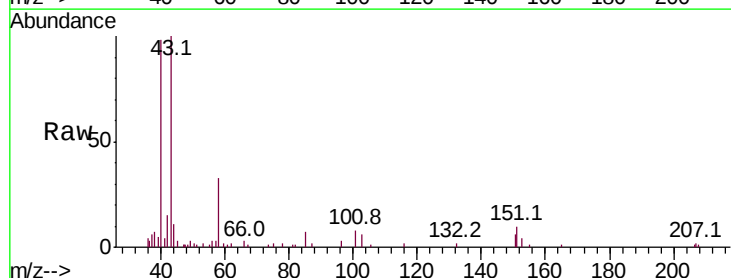
RT: 4.13 min Scan# 365

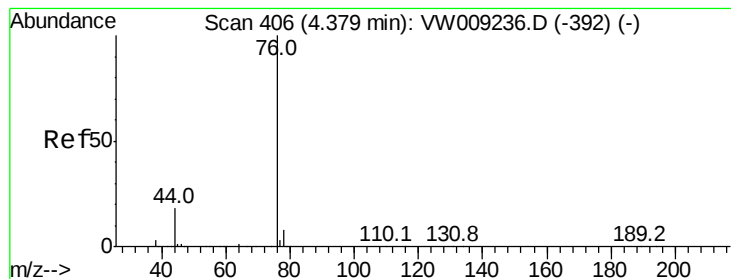
Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Tgt Ion:	43	Resp:	18079
Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.6	35.4





#17

Carbon Disulfide

Concen: 5.620 ug/l

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 45156

Ion Ratio Lower Upper

76 100

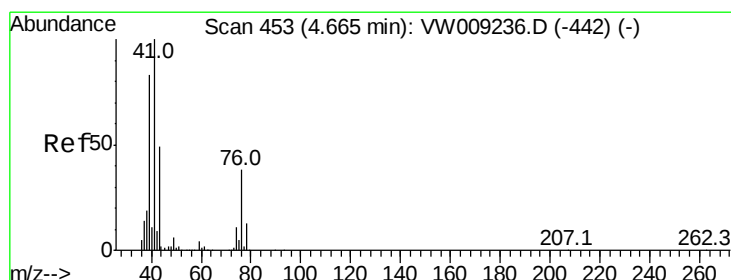
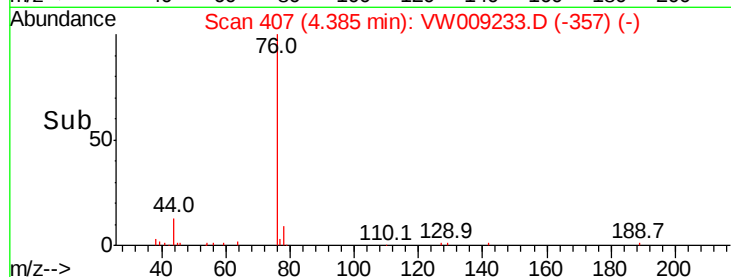
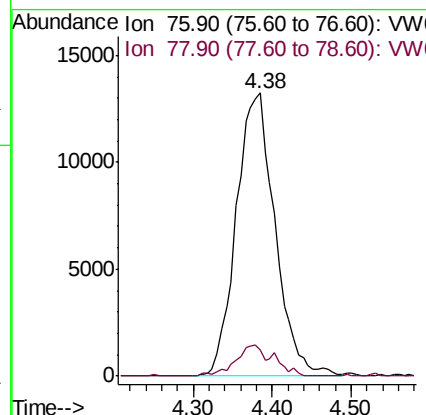
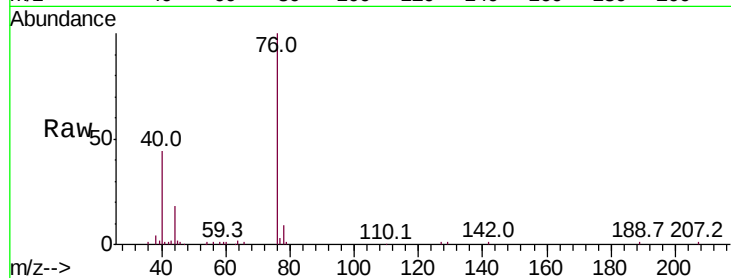
78 9.4 6.6 9.8

Manual Integrations

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#18

Methyl Acetate

Concen: 5.959 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009233.D

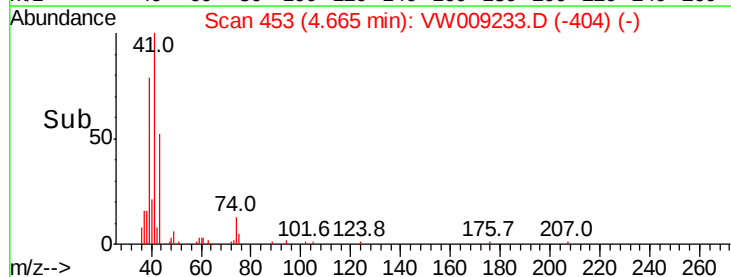
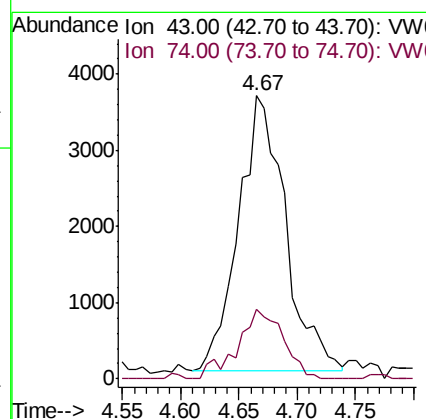
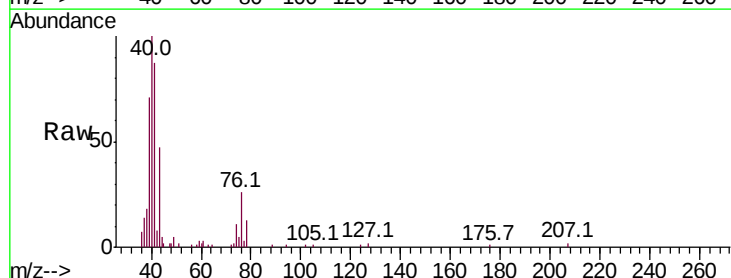
Acq: 19 Mar 2019 10:57

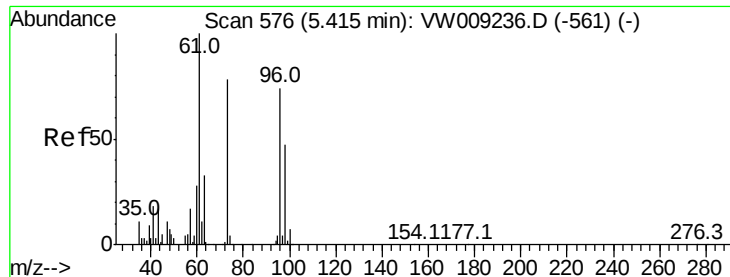
Tgt Ion: 43 Resp: 10080

Ion Ratio Lower Upper

43 100

74 24.8 17.7 26.5





#19

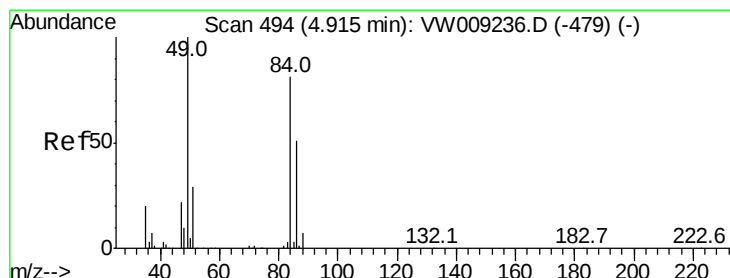
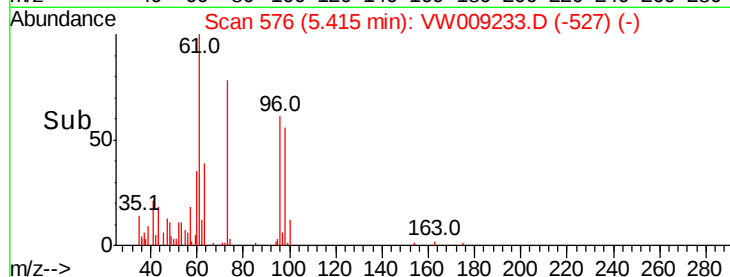
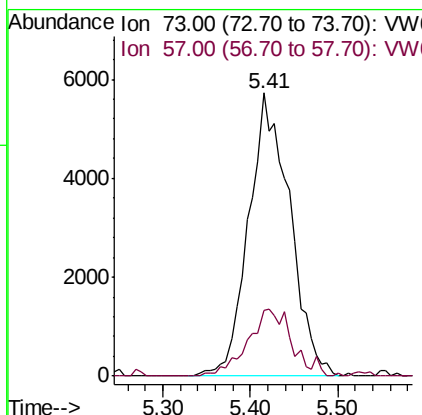
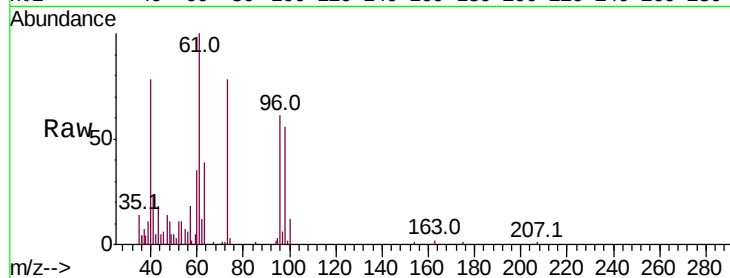
Methyl tert-butyl Ether
 Concen: 5.304 ug/l
 RT: 5.41 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.0	25.6

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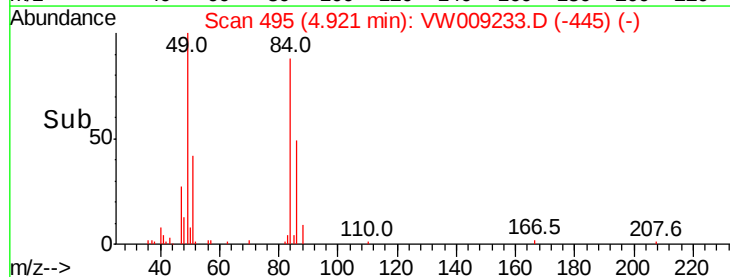
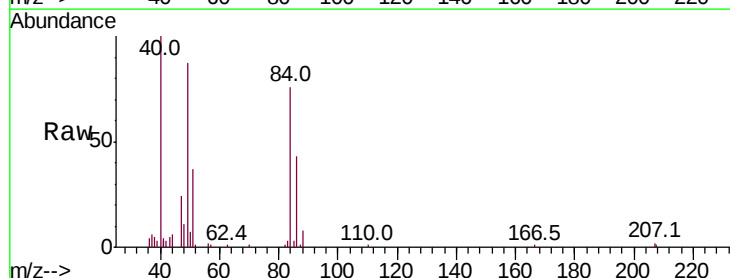
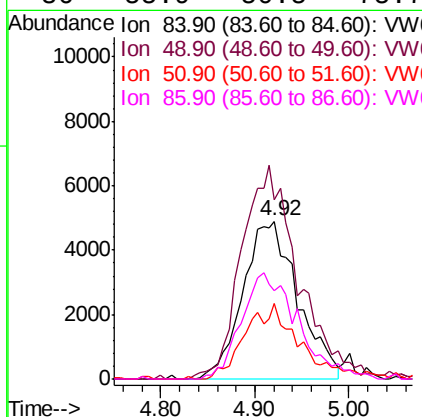
MMDadoda
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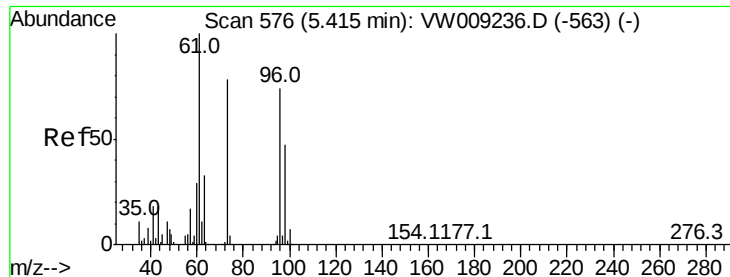


#20

Methylene Chloride
 Concen: 6.476 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.8	99.1	148.7
51	46.5	28.7	43.1#
86	55.9	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 5.502 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

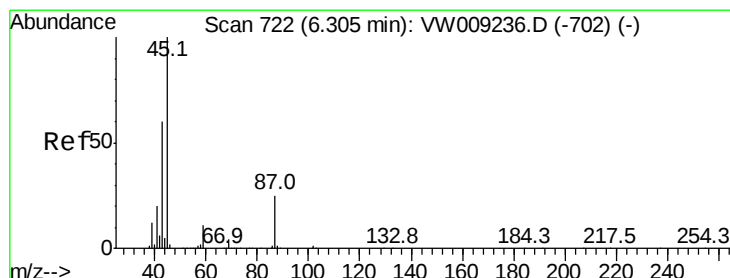
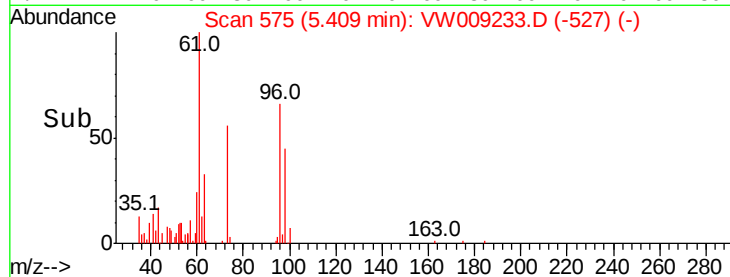
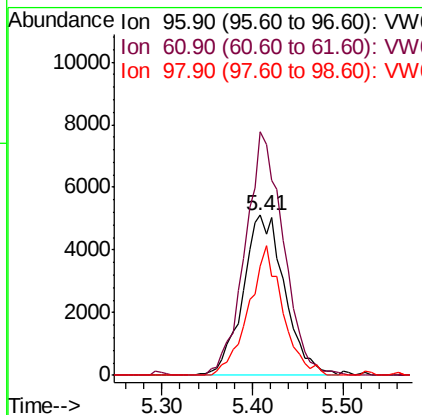
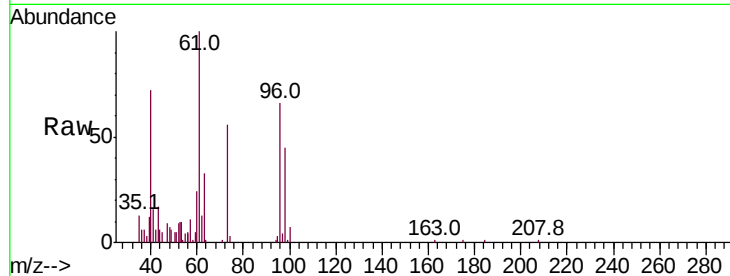
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	16314
Ion	Ratio	Lower	Upper
96	100		
61	152.0	108.2	162.4
98	67.9	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.053 ug/l

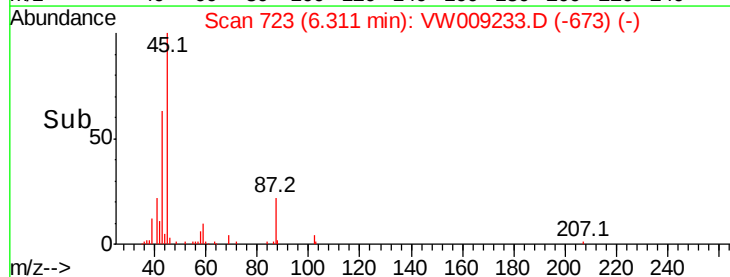
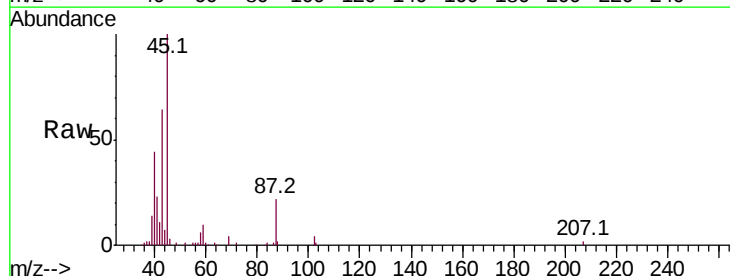
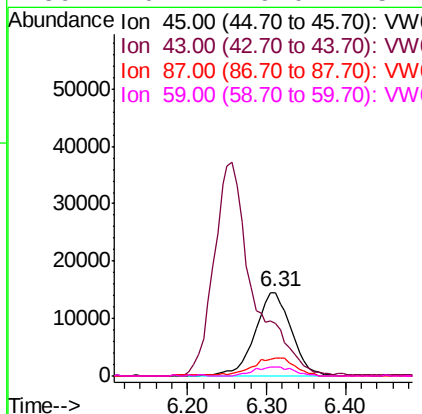
RT: 6.31 min Scan# 723

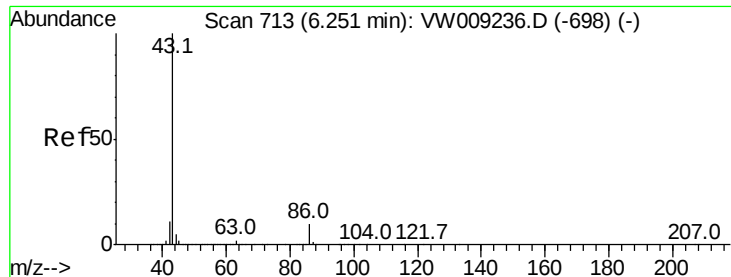
Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Tgt Ion:	45	Resp:	46289
Ion	Ratio	Lower	Upper
45	100		
43	60.5	47.9	71.9
87	21.9	20.6	30.8
59	10.4	9.0	13.4





#23

Vinyl Acetate

Concen: 22.492 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 129272

Ion Ratio Lower Upper

43 100

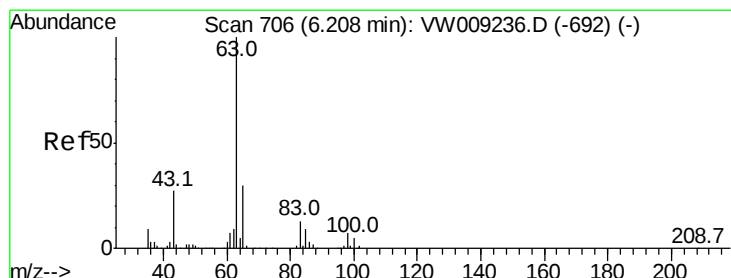
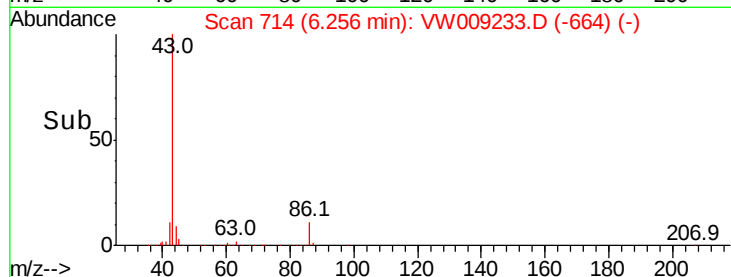
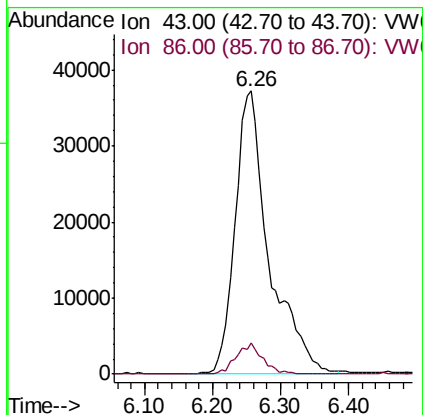
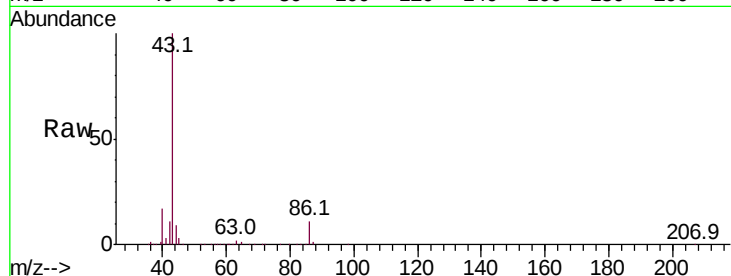
86 10.9 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 5.677 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

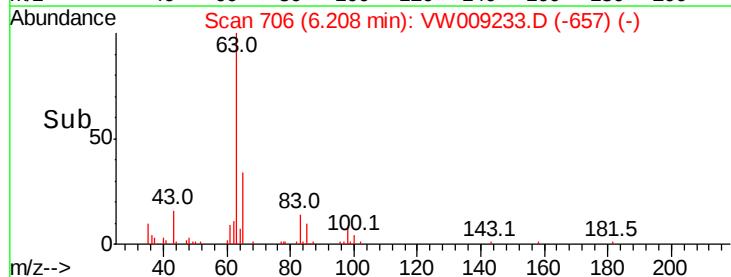
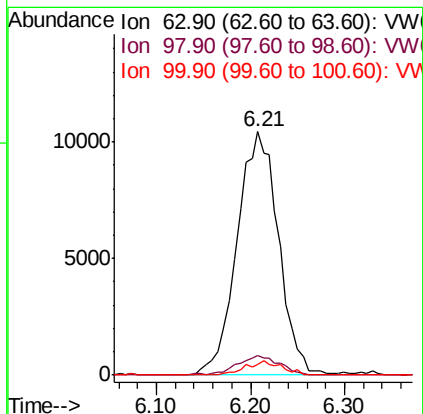
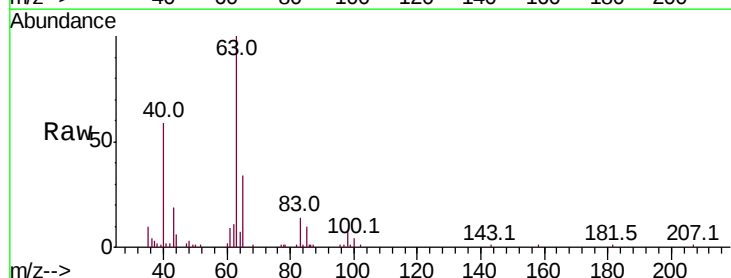
Tgt Ion: 63 Resp: 32092

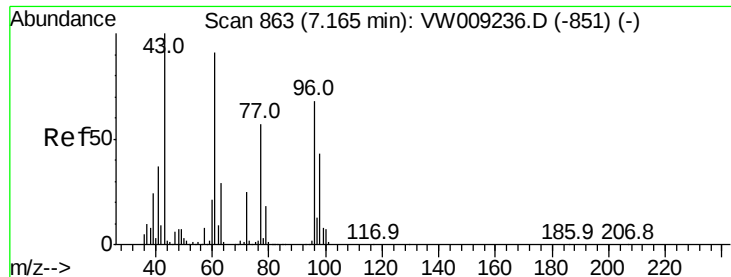
Ion Ratio Lower Upper

63 100

98 8.1 3.7 11.1

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 25.140 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 23741

Ion Ratio Lower Upper

43 100

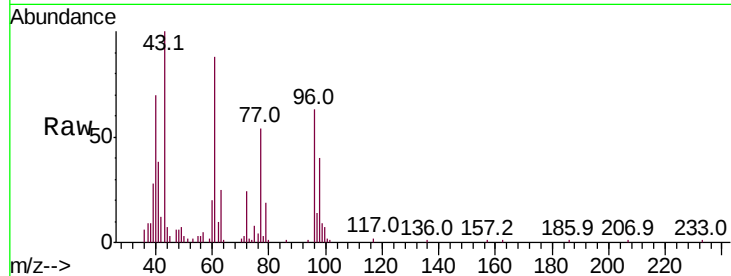
72 23.6 20.0 30.0

Manual Integrations

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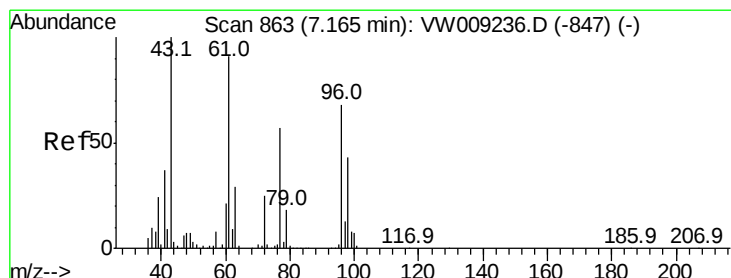
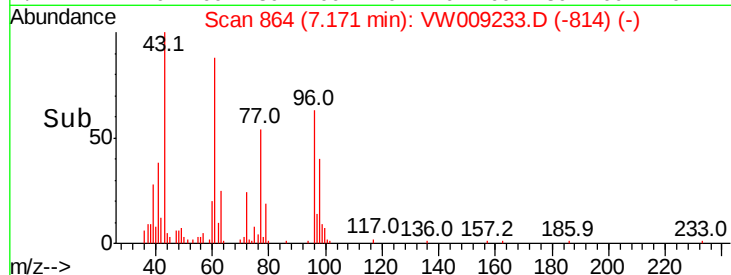
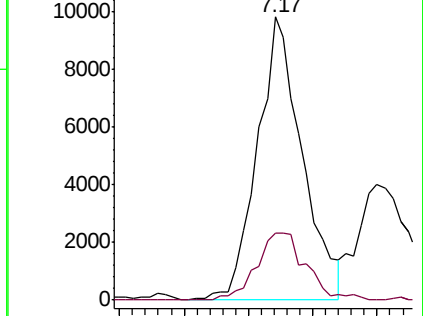
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 5.577 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009233.D

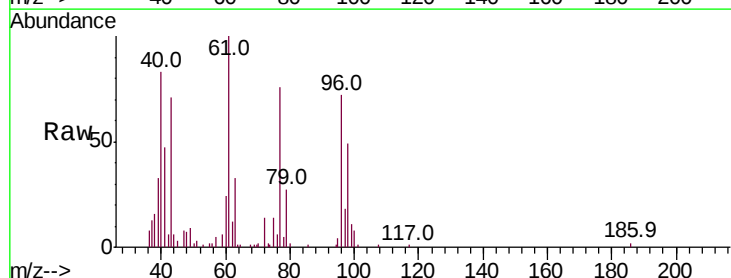
Acq: 19 Mar 2019 10:57

Tgt Ion: 77 Resp: 17617

Ion Ratio Lower Upper

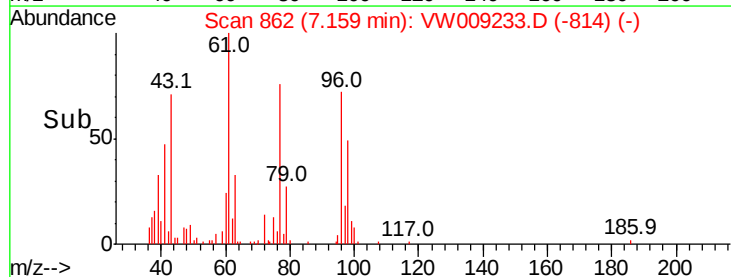
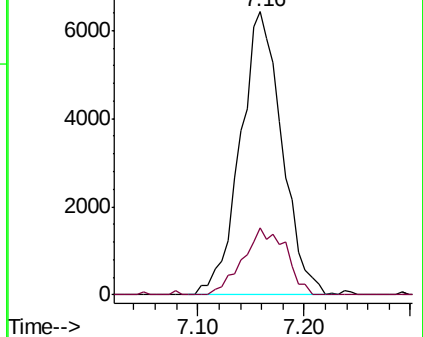
77 100

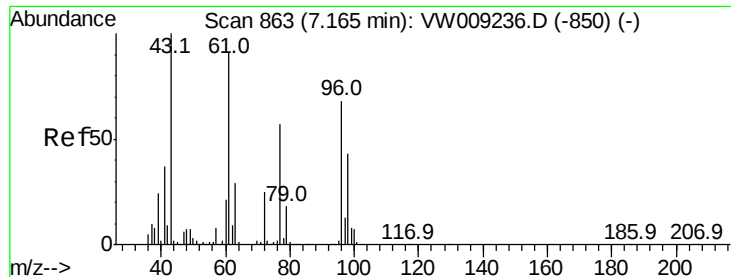
97 24.4 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

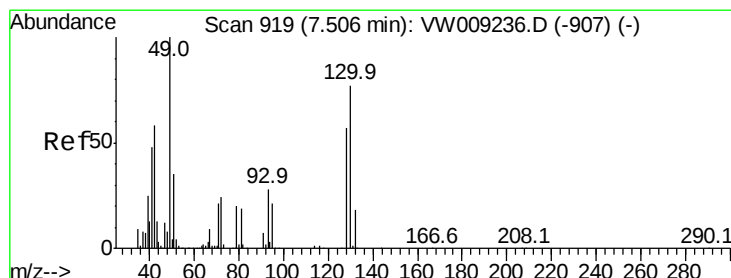
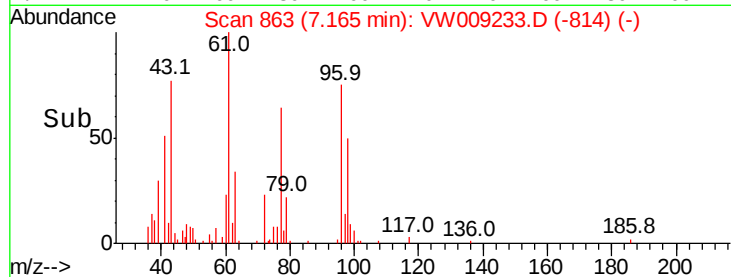
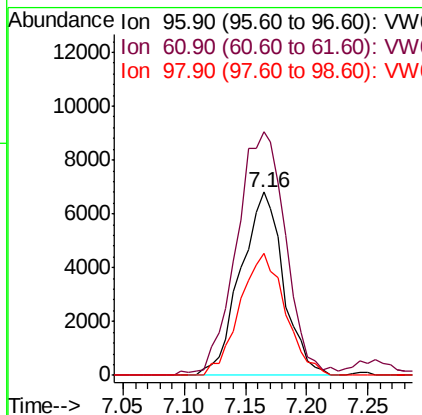
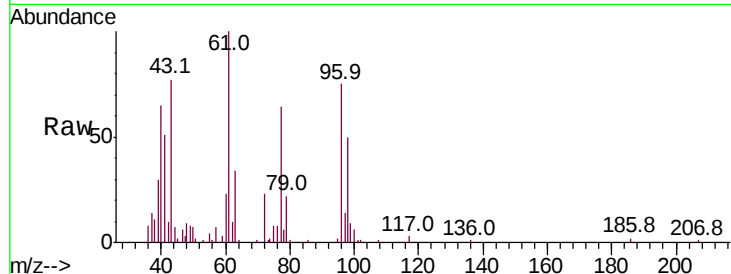
cis-1,2-Dichloroethene
Concen: 5.180 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	289.8
98	70.3	0.0	130.8

Manual Integrations
APPROVED

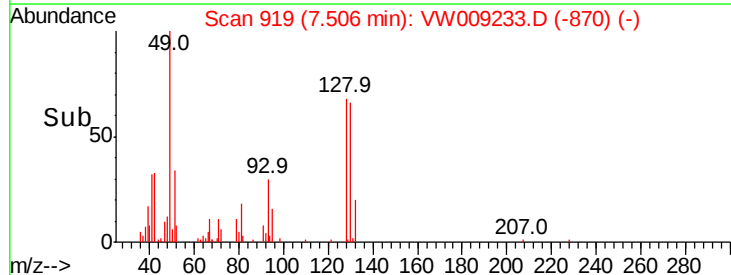
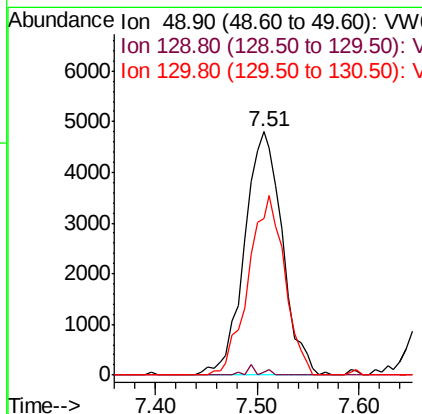
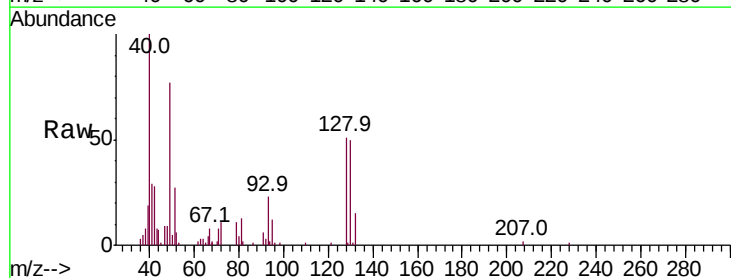
MMDadoda
3/22/2019 3:52:56 AM

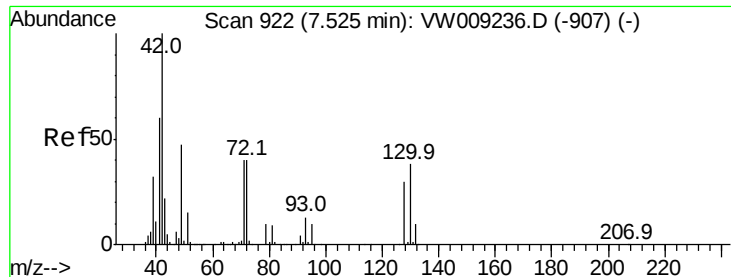


#28

Bromochloromethane
Concen: 4.981 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.4
130	70.9	58.6	88.0





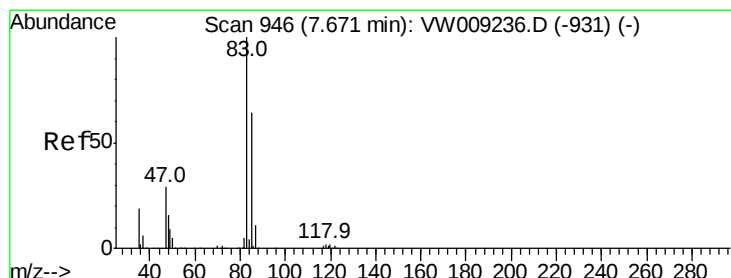
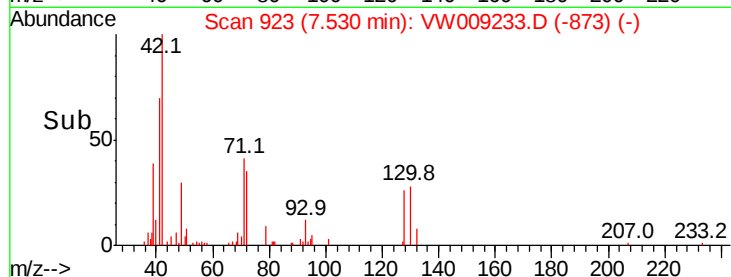
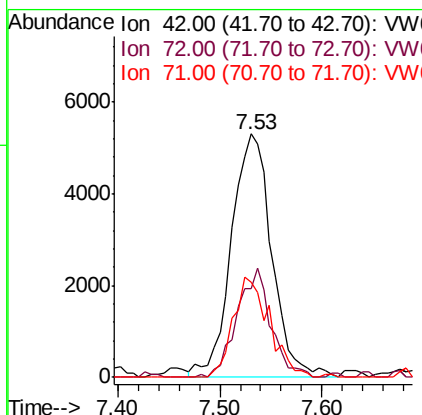
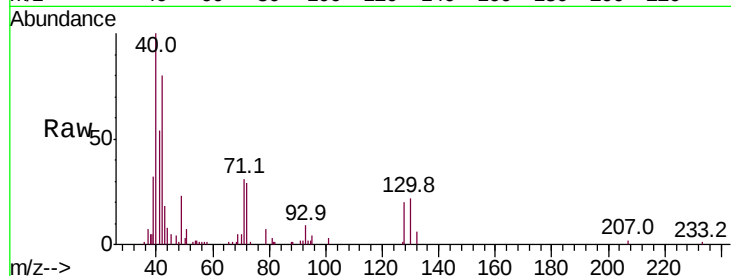
#29
Tetrahydrofuran
Concen: 24.255 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	32.4	48.6
71	36.9	30.1	45.1

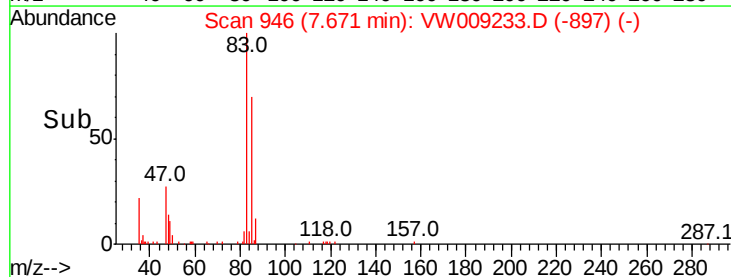
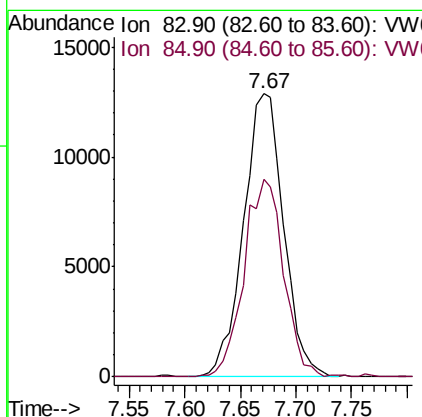
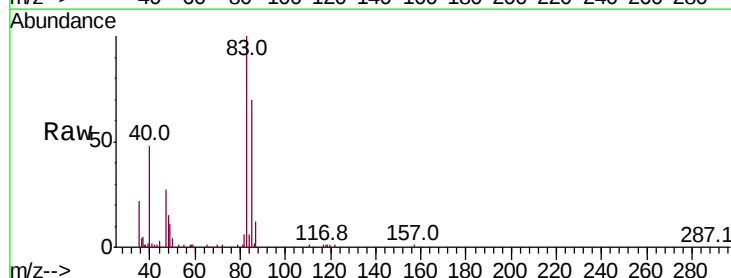
Manual Integrations
APPROVED

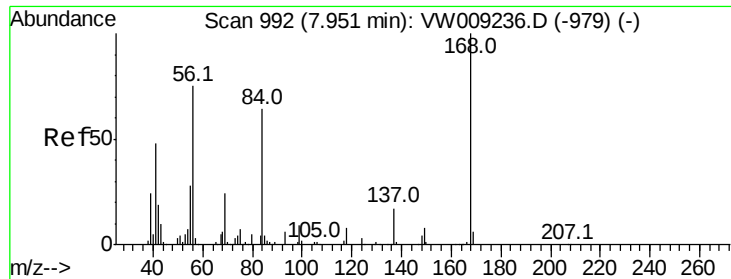
MMDadoda
3/22/2019 3:52:56 AM



#30
Chloroform
Concen: 5.481 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.9	51.0	76.6





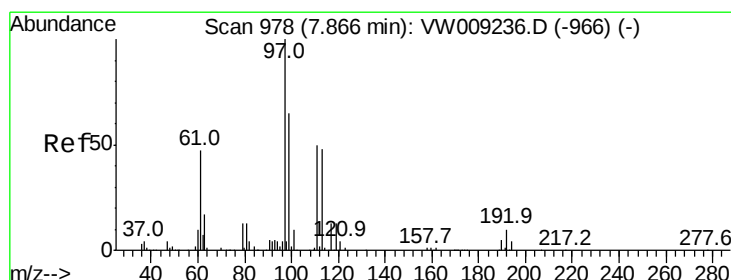
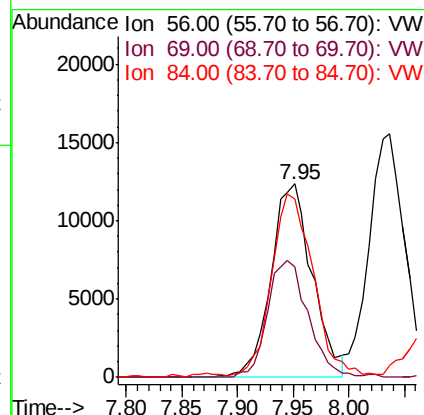
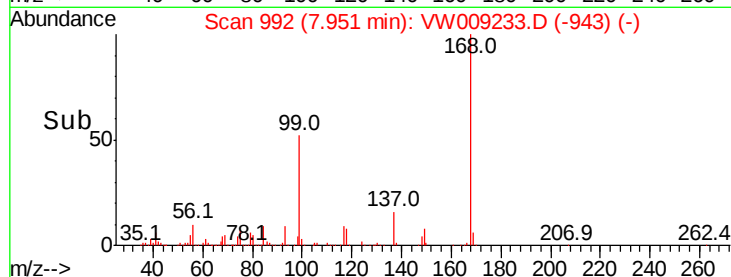
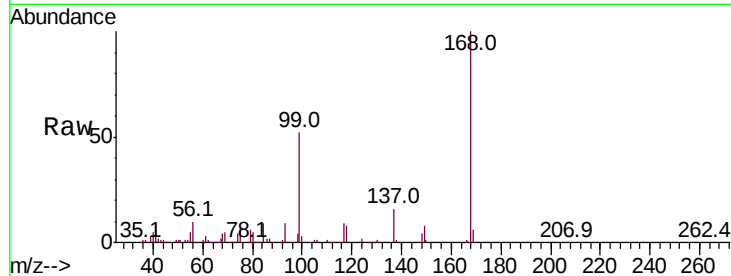
#31
Cyclohexane
Concen: 6.046 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	56.6	26.1	39.1#
84	90.8	68.6	103.0

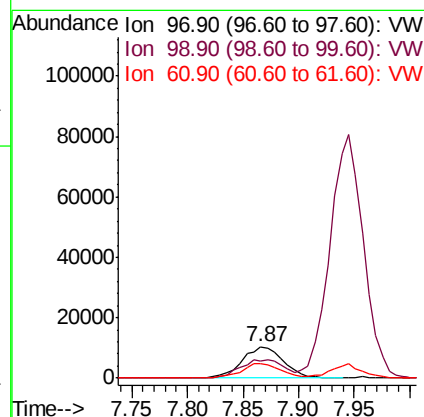
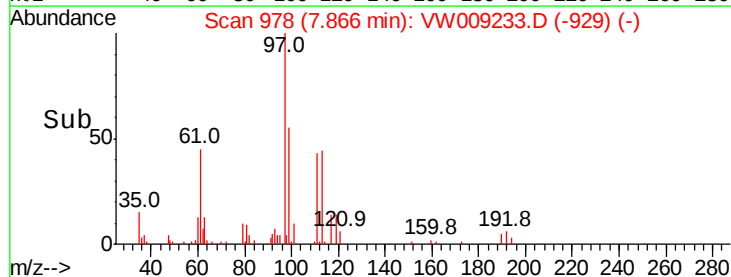
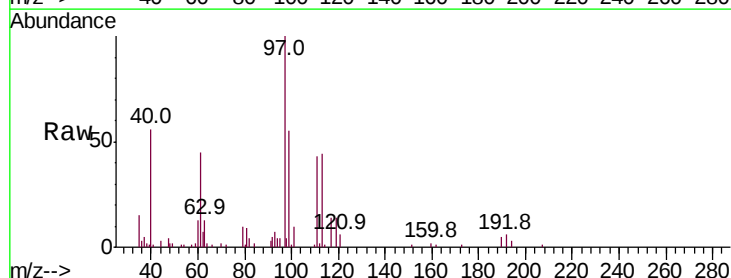
Manual Integrations
APPROVED

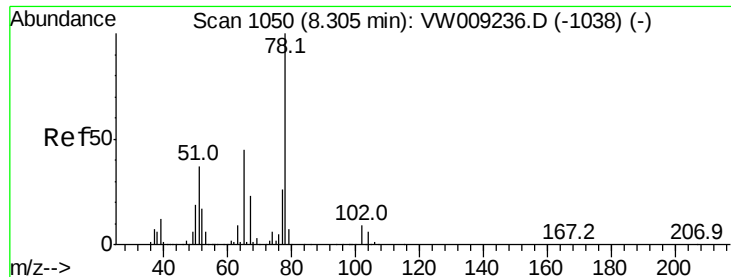
MMDadoda
3/22/2019 3:52:56 AM



#32
1,1,1-Trichloroethane
Concen: 5.697 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.9	77.9
61	45.3	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 5.310 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 17057

Ion Ratio Lower Upper

65 100

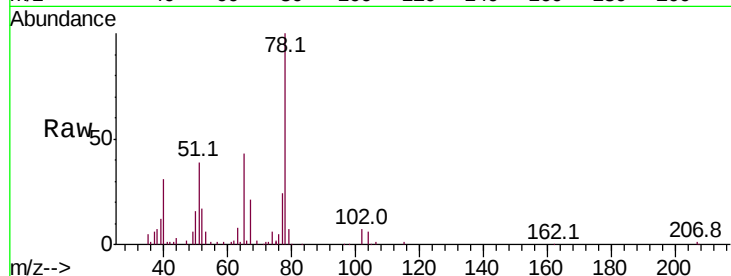
67 49.7 0.0 102.4

Manual Integrations

APPROVED

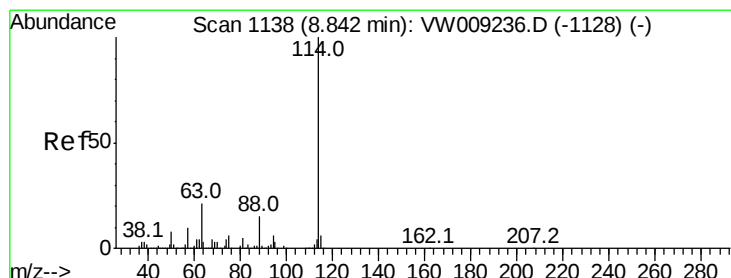
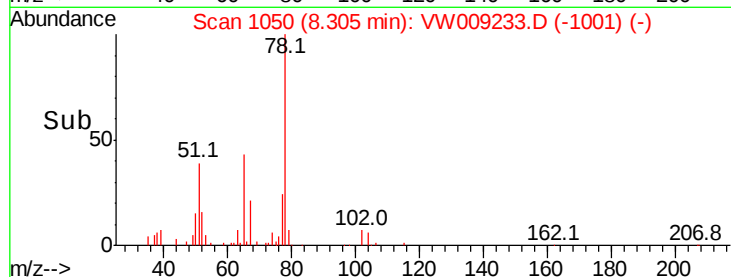
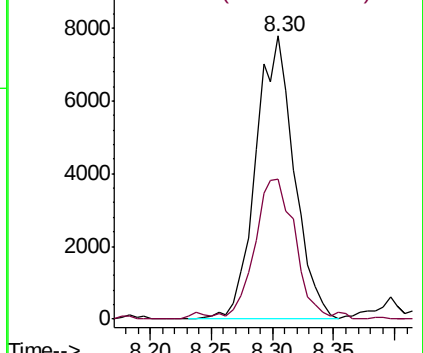
MMDadoda

3/22/2019 3:52:56 AM



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

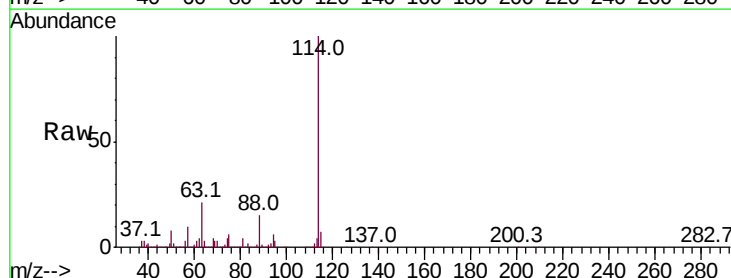
Tgt Ion: 114 Resp: 460628

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.2

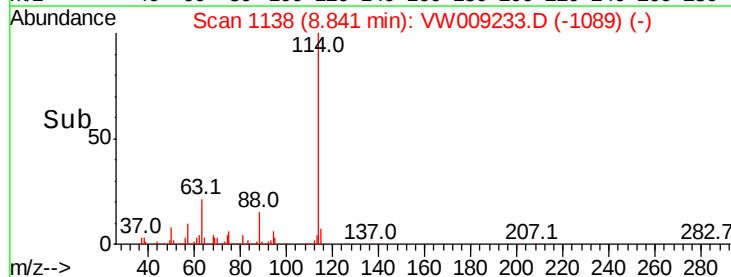
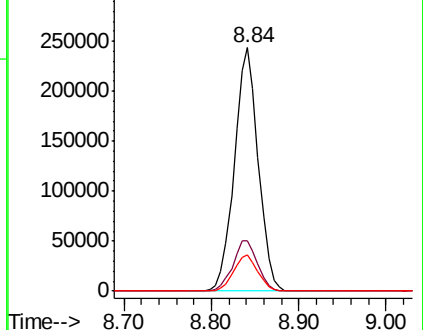
88 15.0 0.0 30.8

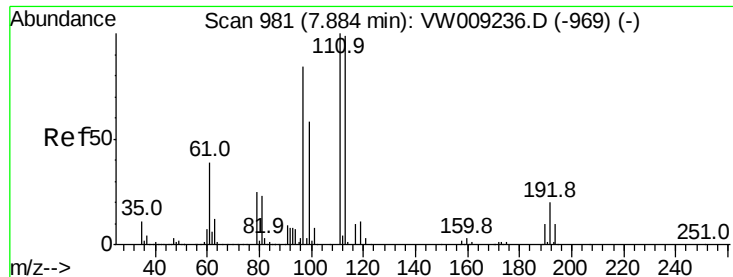


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





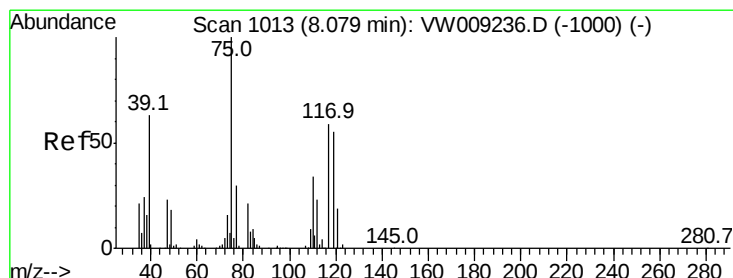
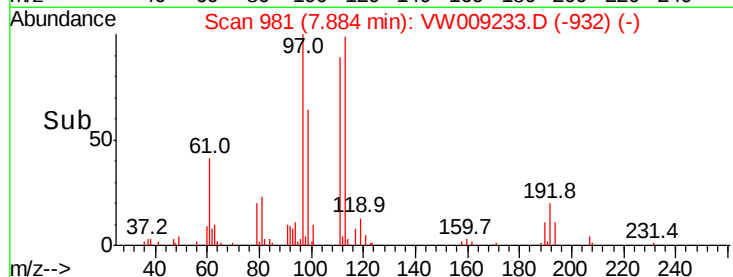
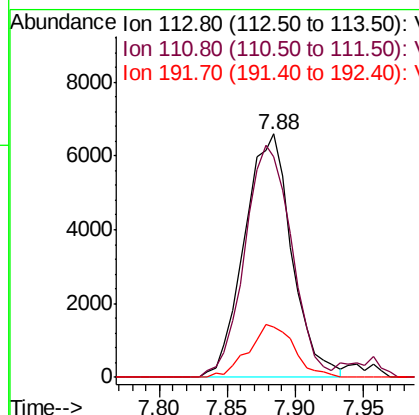
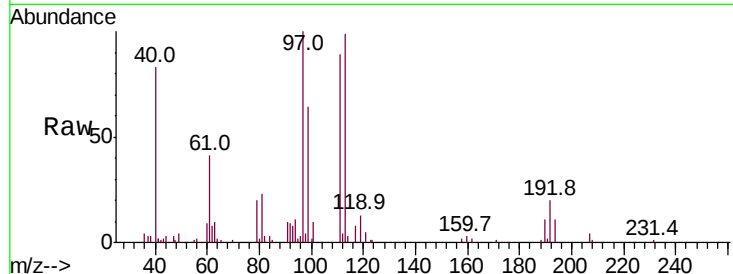
#35
 Dibromofluoromethane
 Concen: 5.475 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	15999		
111	94.4		82.6	124.0
192	21.1		16.4	24.6

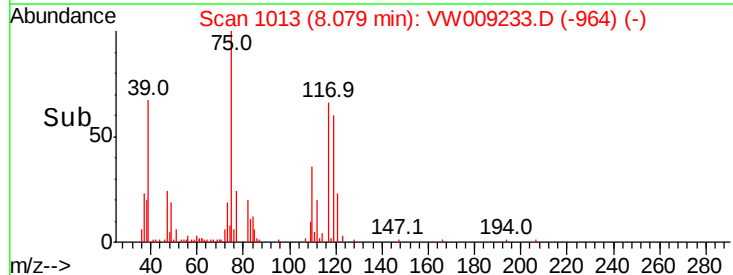
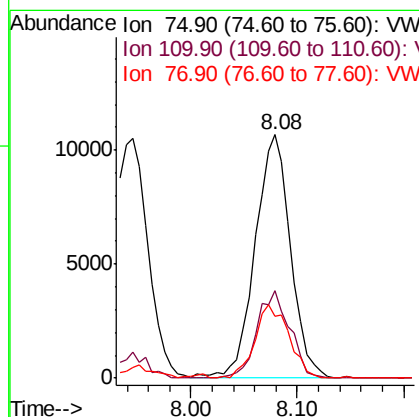
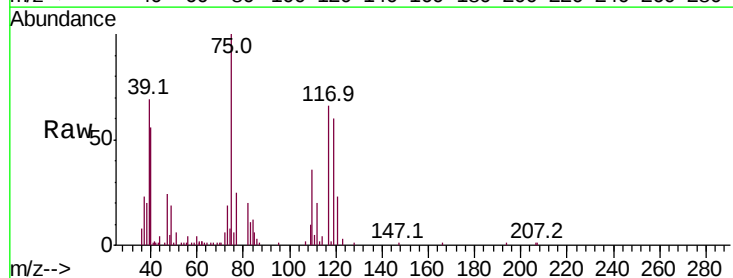
Manual Integrations
 APPROVED

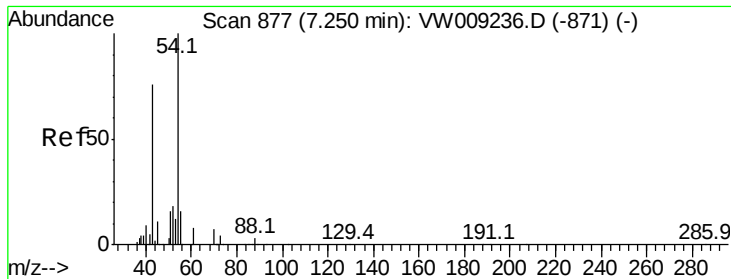
MMDadoda
 3/22/2019 3:52:56 AM



#36
 1,1-Dichloropropene
 Concen: 5.418 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24833		
110	33.4		16.8	50.4
77	29.1		24.6	36.8





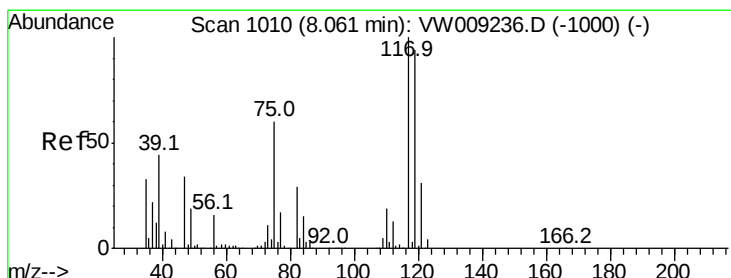
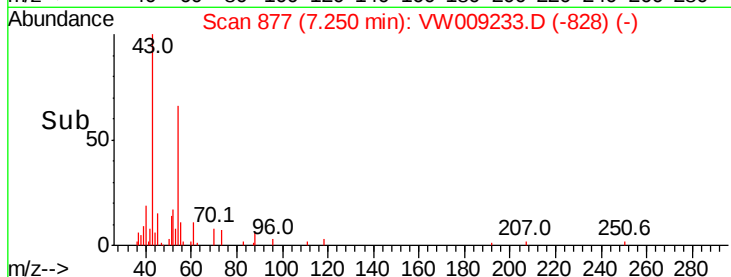
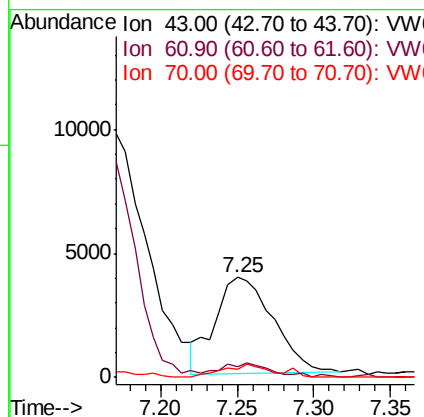
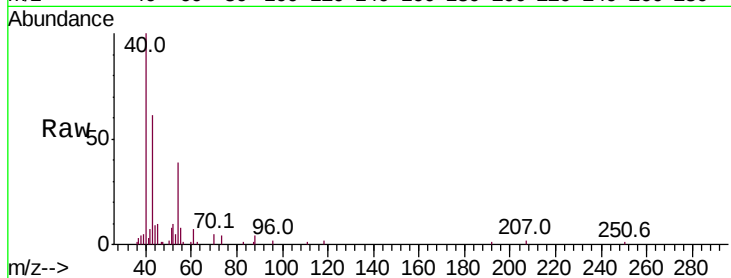
#37
Ethyl Acetate
Concen: 4.905 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.0	15.0
70	10.3	7.3	10.9

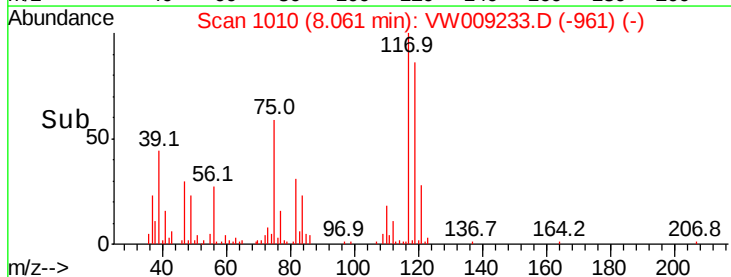
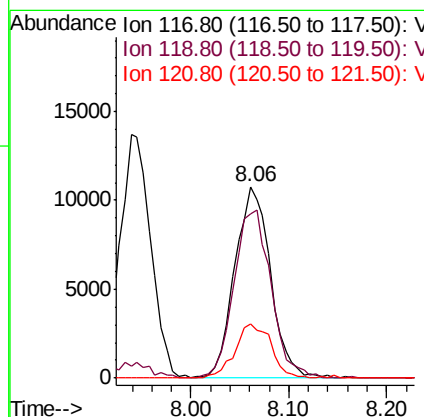
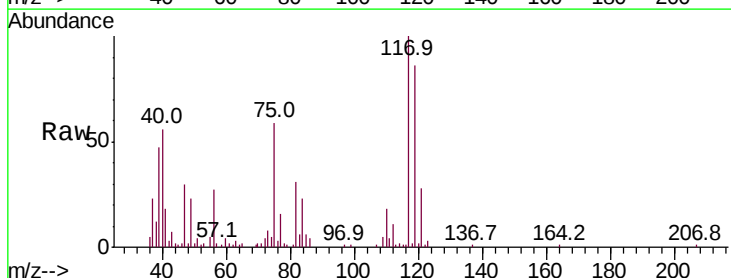
Manual Integrations
APPROVED

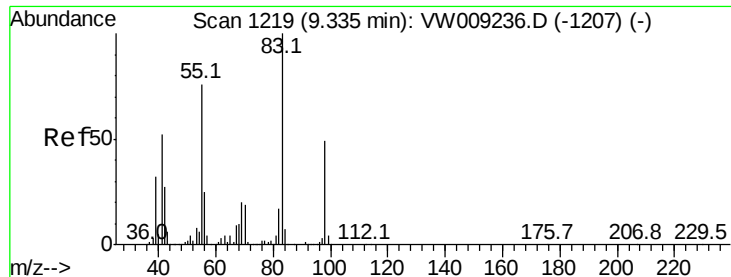
MMDadoda
3/22/2019 3:52:56 AM



#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	86.1	75.4	113.0
121	28.3	24.9	37.3





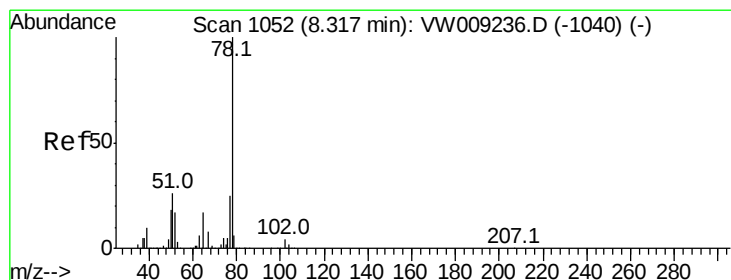
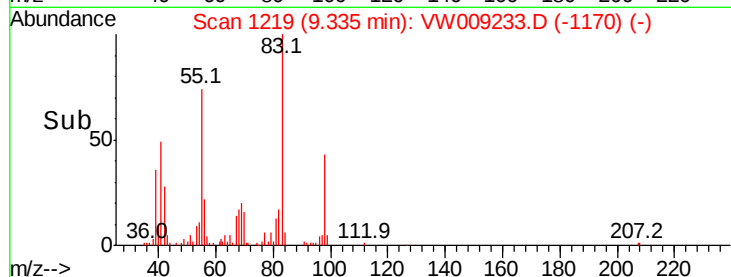
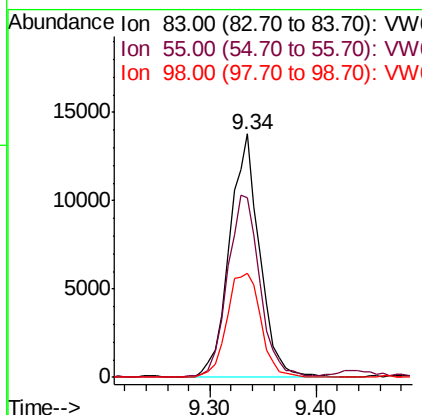
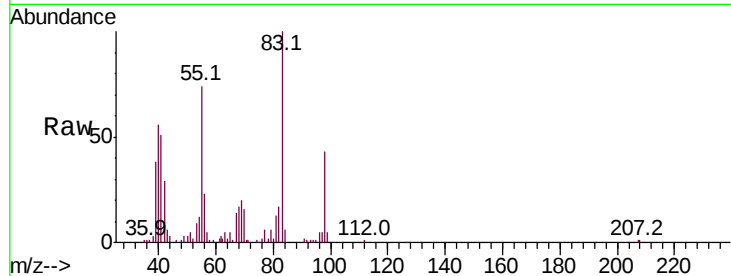
#39
Methvlcvclohexane
Concen: 5.145 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	61.1	91.7
98	42.7	39.0	58.4

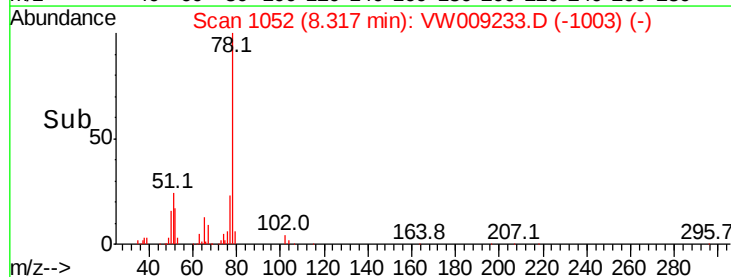
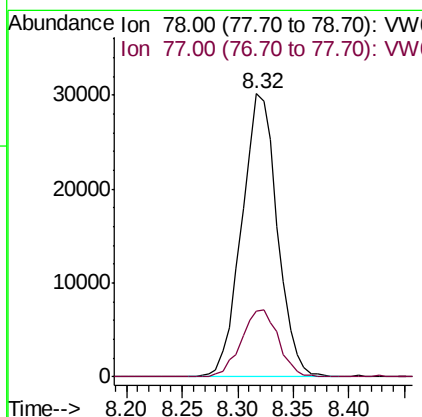
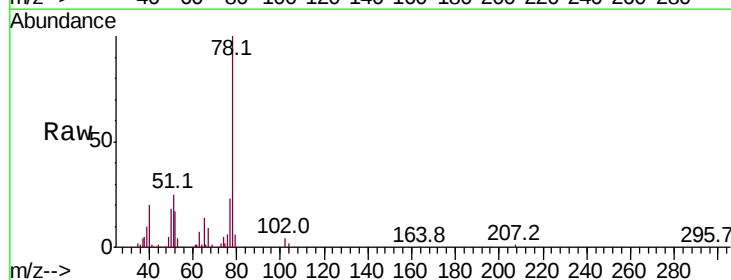
Manual Integrations
APPROVED

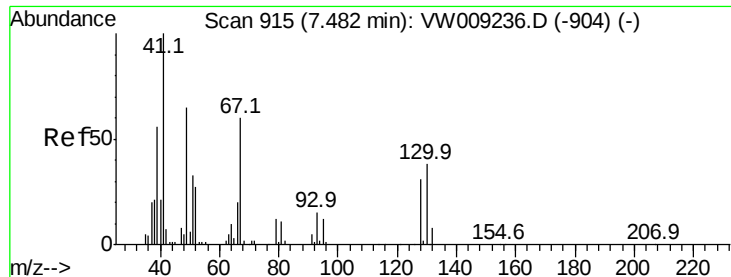
MMDadoda
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#40
Benzene
Concen: 5.375 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.8	29.6





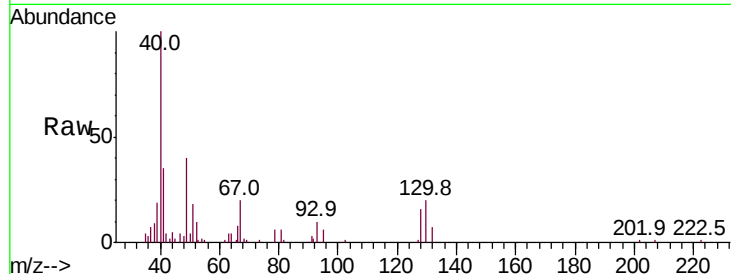
#41
Methacrylonitrile
Concen: 5.379 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	6064
Ion	Ratio	Lower	Upper
41	100		
39	54.1	52.5	78.7
67	61.6	56.6	84.8
52	38.6	27.2	40.8

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:52:56 AM



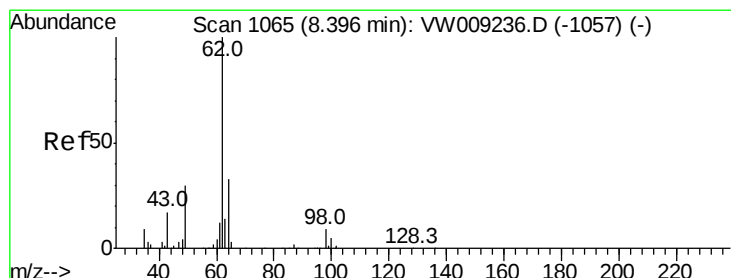
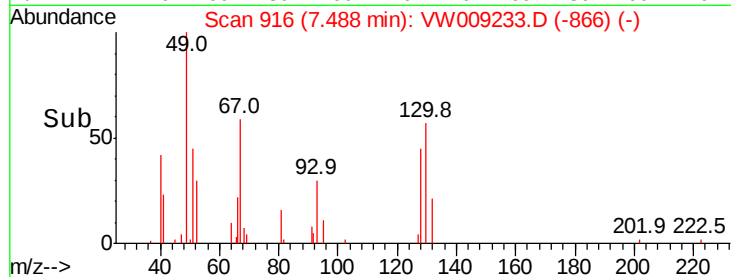
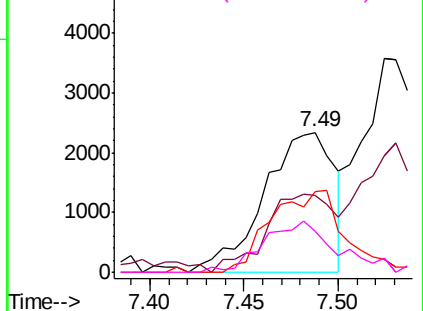
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

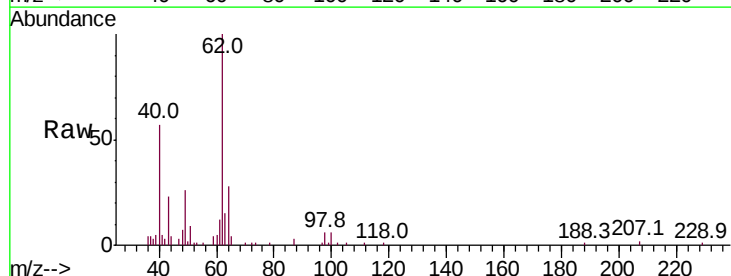
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 5.404 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

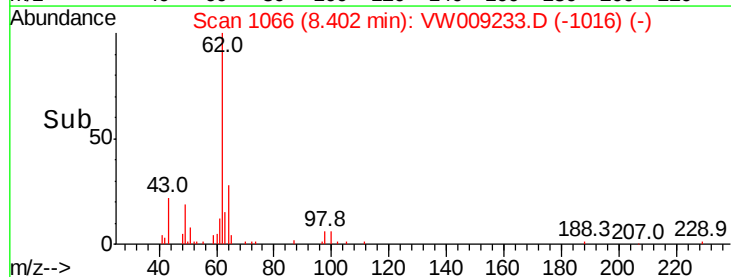
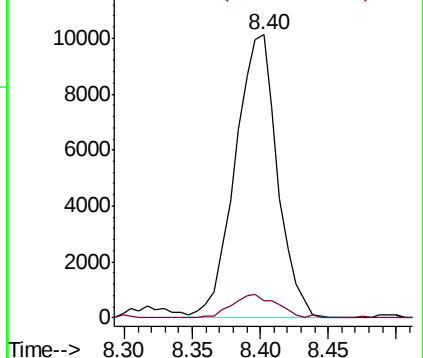
Tgt Ion:	62	Resp:	21957
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.4

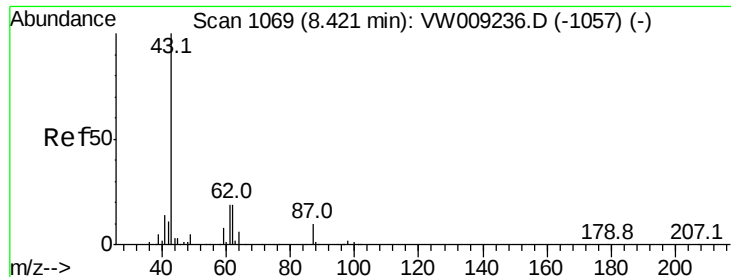


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 5.046 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

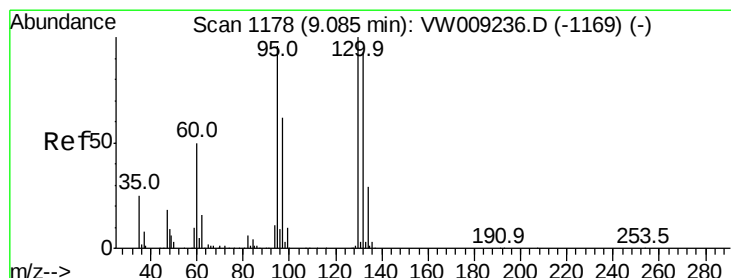
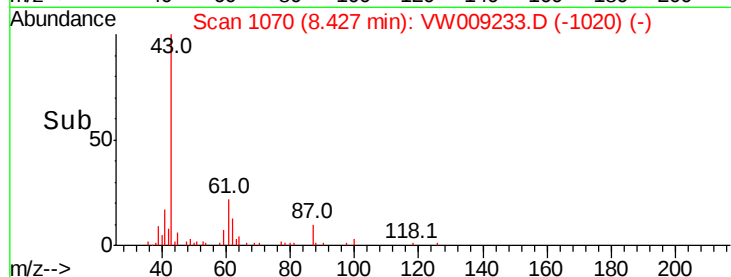
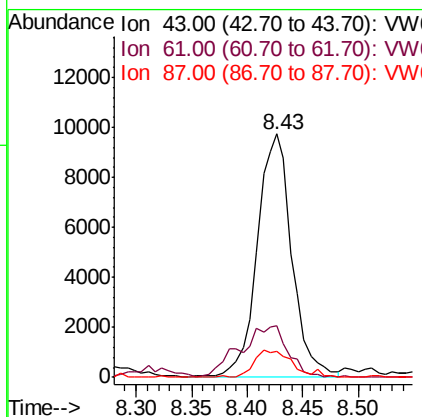
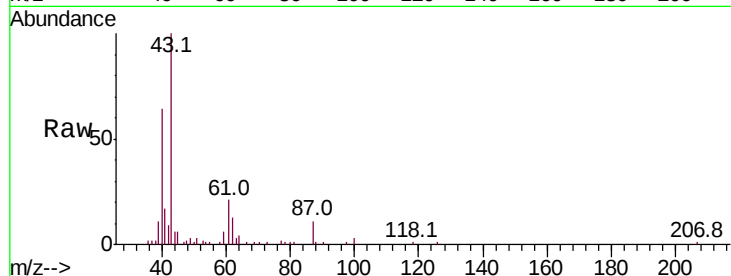
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	21135
Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.2	33.2
87	11.7	9.6	14.4

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#44

Trichloroethene

Concen: 5.701 ug/l

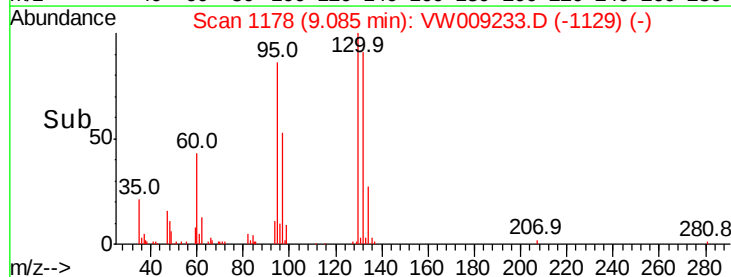
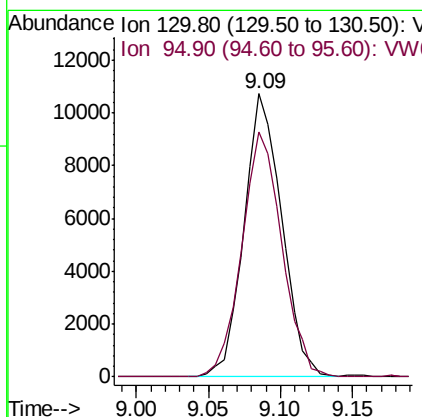
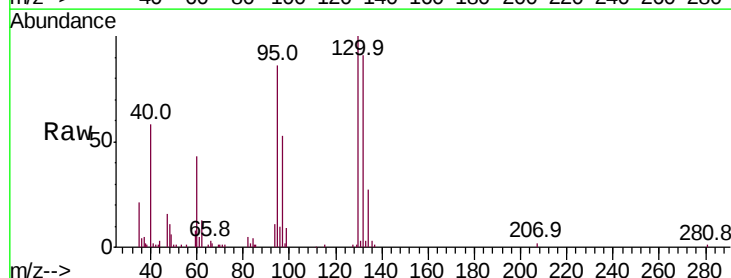
RT: 9.09 min Scan# 1178

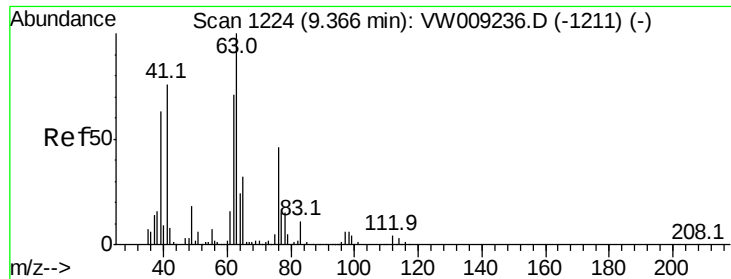
Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Tgt Ion:	130	Resp:	19414
Ion	Ratio	Lower	Upper
130	100		
95	86.3	0.0	192.6





#45

1,2-Dichloropropane

Concen: 5.528 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 63 Resp: 17467

Ion Ratio Lower Upper

63 100

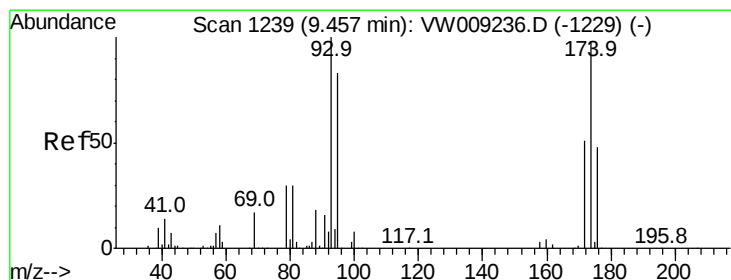
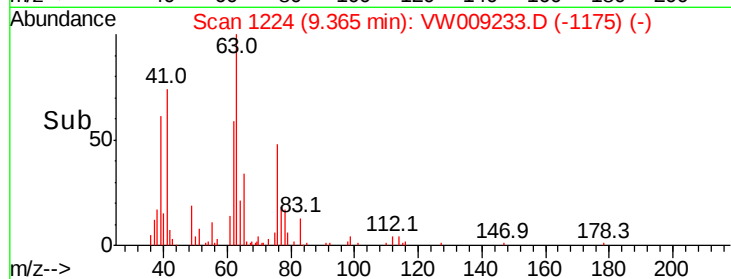
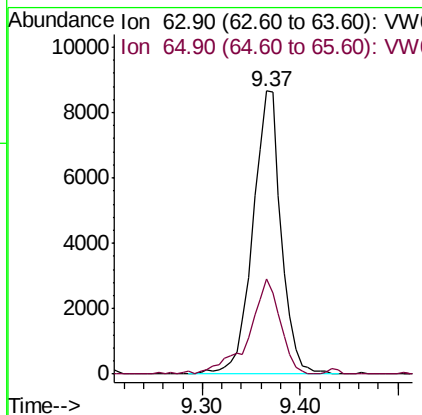
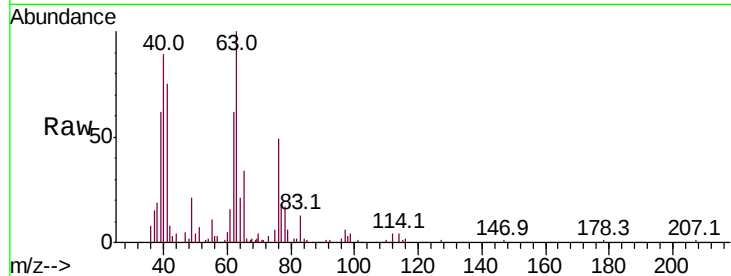
65 32.7 25.8 38.8

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#46

Dibromomethane

Concen: 5.322 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

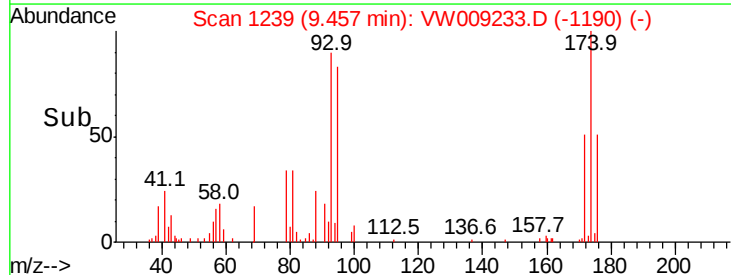
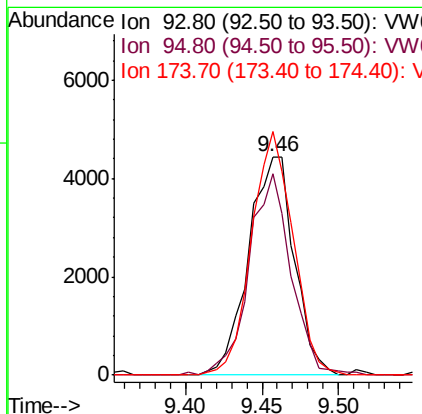
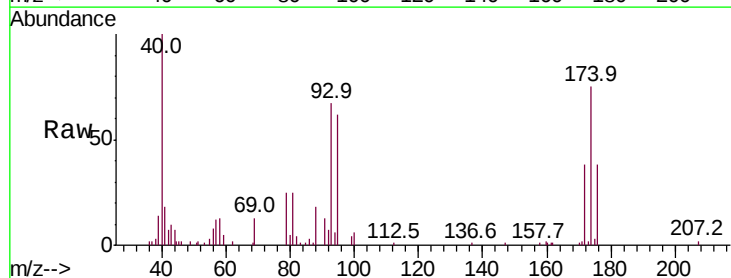
Tgt Ion: 93 Resp: 9247

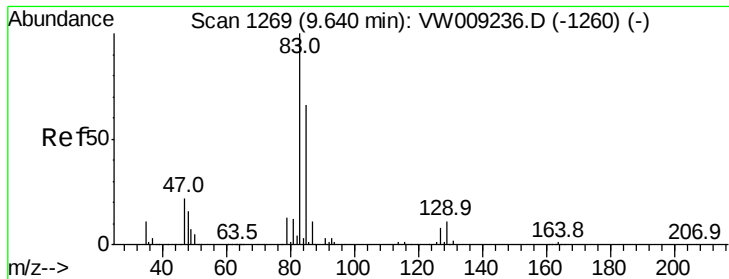
Ion Ratio Lower Upper

93 100

95 84.9 66.9 100.3

174 101.3 80.8 121.2





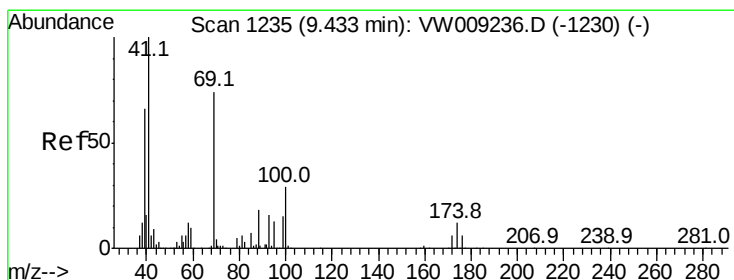
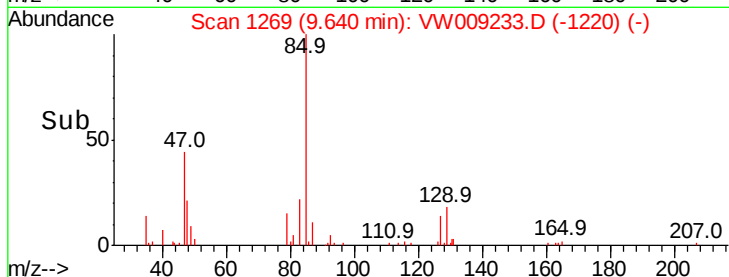
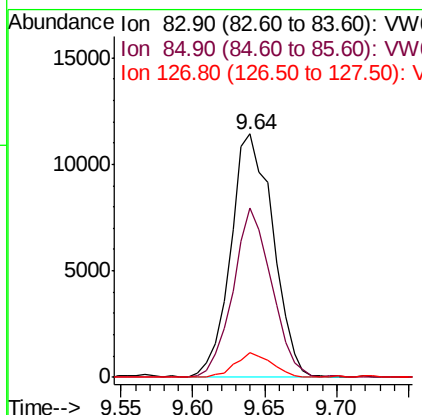
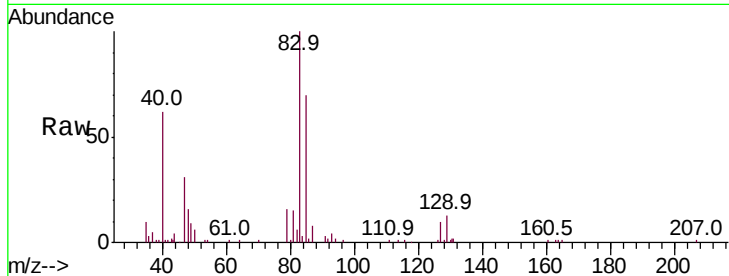
#47
Bromodichloromethane
Concen: 5.308 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	23309
Ion Ratio	100	Lower	Upper
83	100		
85	69.7	52.6	79.0
127	10.0	6.5	9.7#

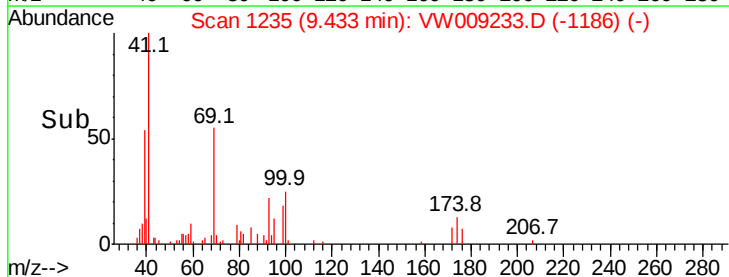
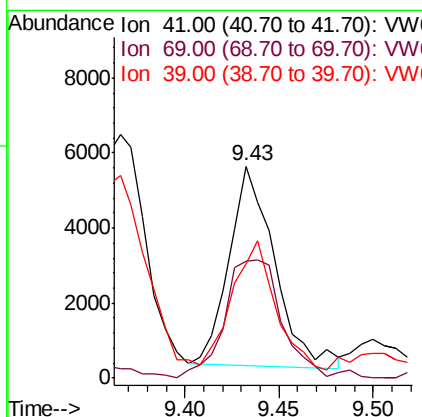
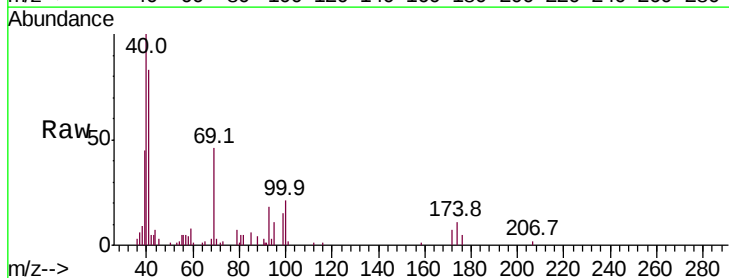
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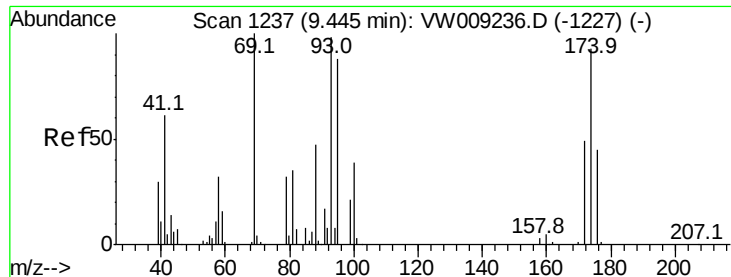
MMDadoda
3/22/2019 3:52:56 AM



#48
Methyl methacrylate
Concen: 4.608 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	41	Resp	8936
Ion Ratio	100	Lower	Upper
41	100		
69	74.3	63.0	94.6
39	62.4	57.2	85.8





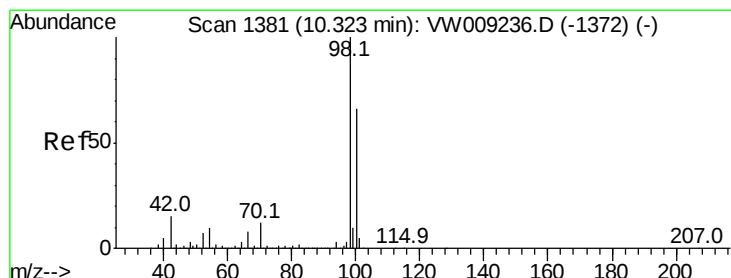
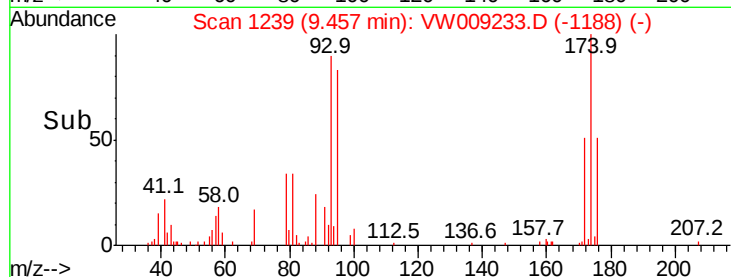
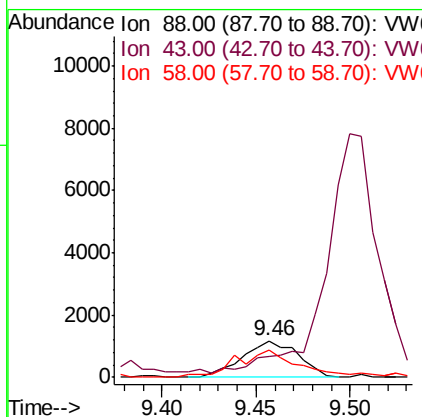
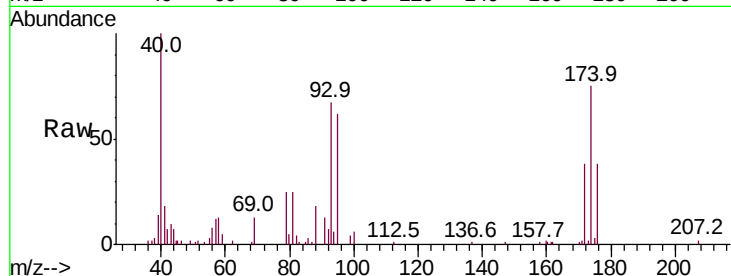
#49
1,4-Dioxane
Concen: 89.273 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.7	44.5#
58	86.2	58.1	87.1

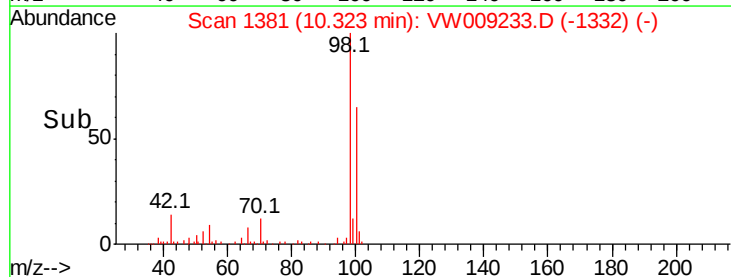
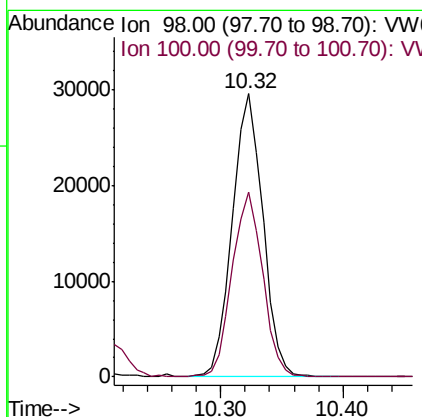
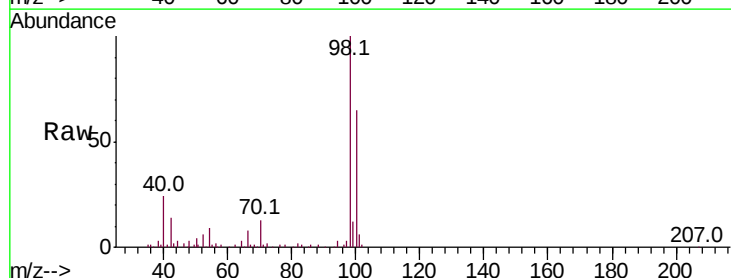
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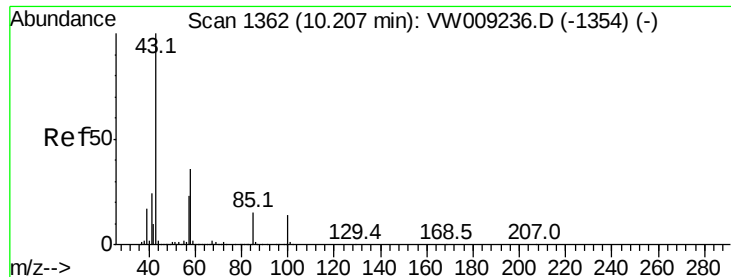
MMDadoda
3/22/2019 3:52:56 AM



#50
Toluene-d8
Concen: 4.832 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 24.028 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 52447

Ion Ratio Lower Upper

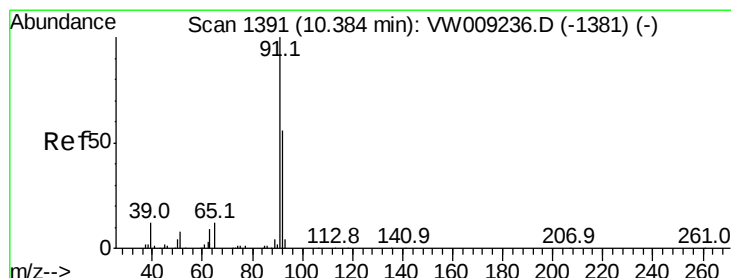
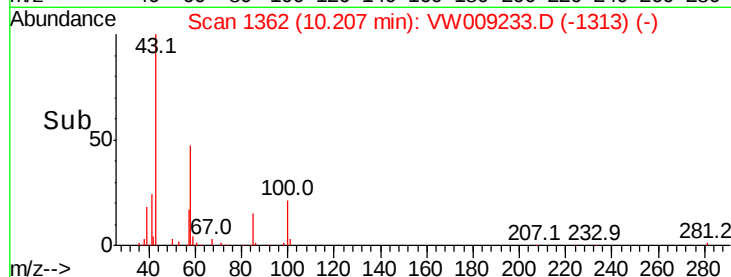
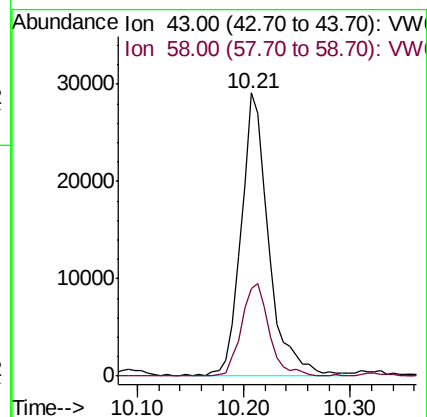
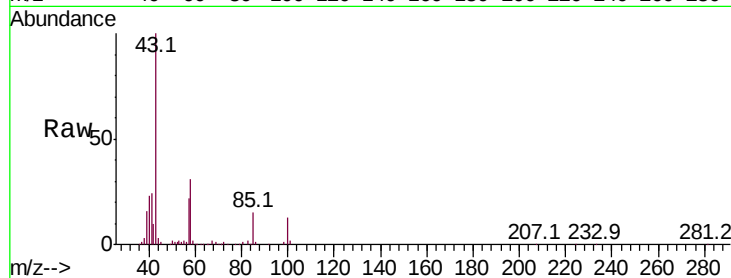
43 100

58 33.5 28.6 42.8

Manual Integrations
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3/22/2019 3:52:56 AM



#52

Toluene

Concen: 5.087 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009233.D

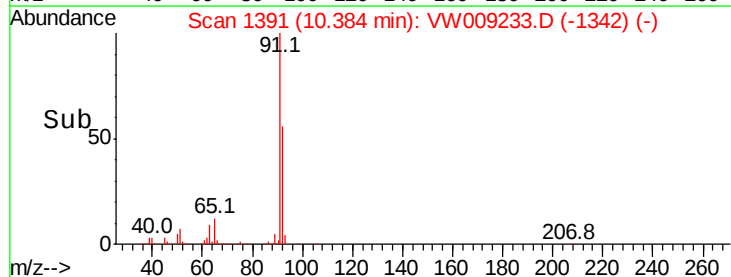
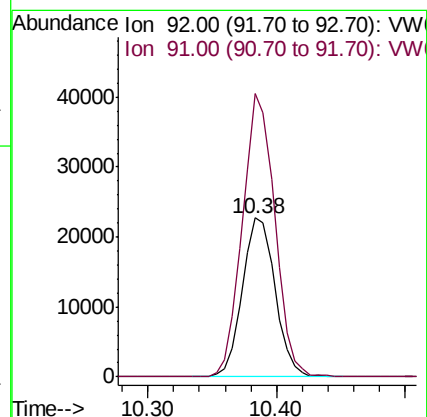
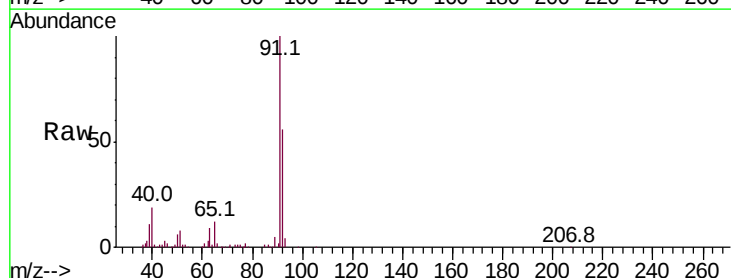
Acq: 19 Mar 2019 10:57

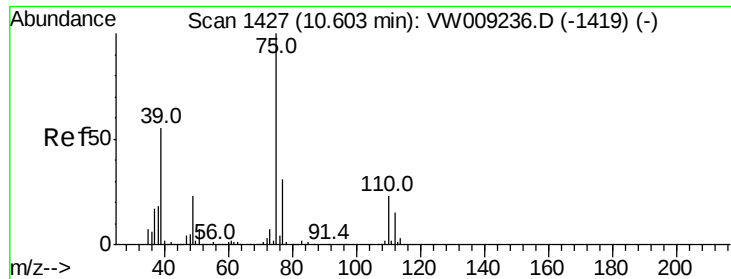
Tgt Ion: 92 Resp: 40063

Ion Ratio Lower Upper

92 100

91 176.2 140.1 210.1





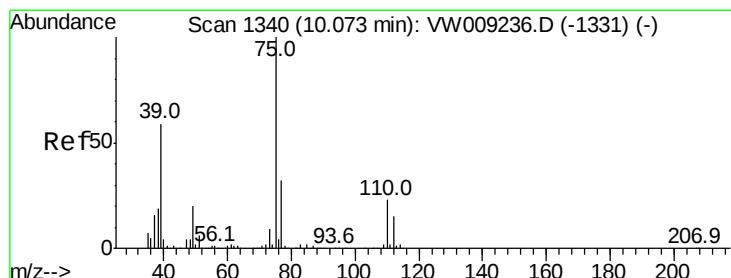
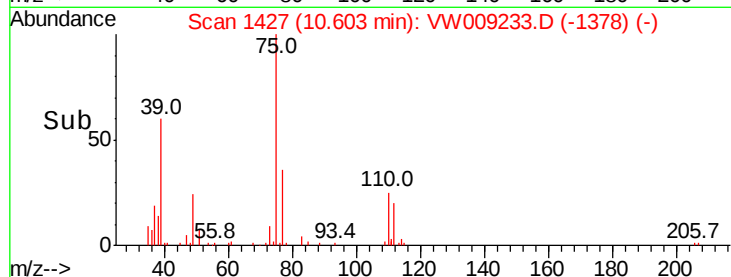
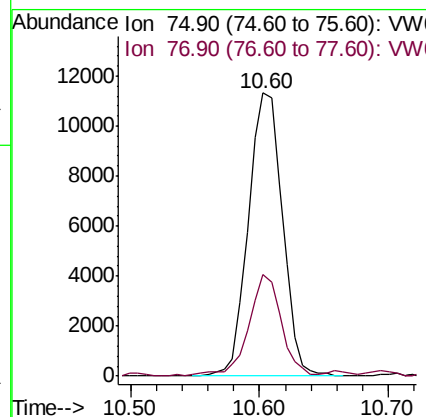
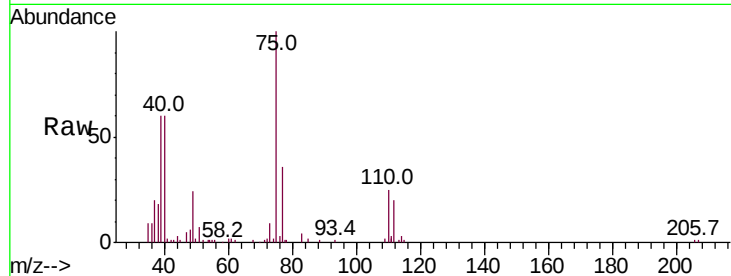
#53
t-1,3-Dichloropropene
Concen: 4.824 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 20657
Ion Ratio Lower Upper
75 100
77 35.5 24.8 37.2

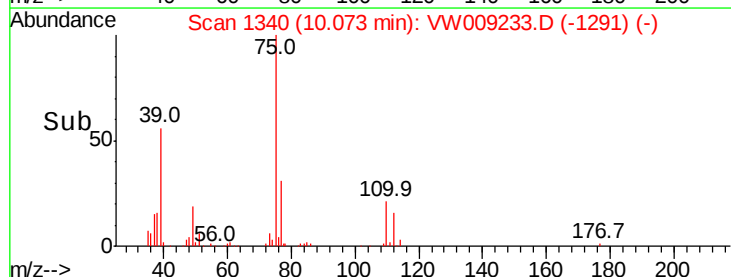
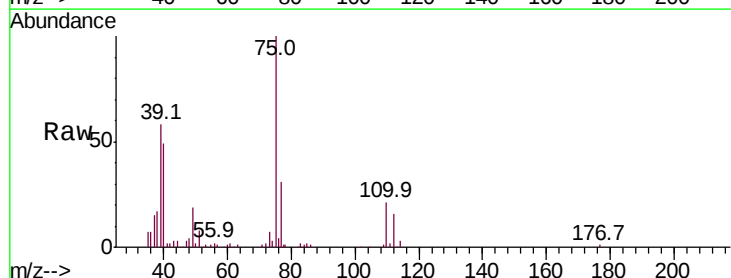
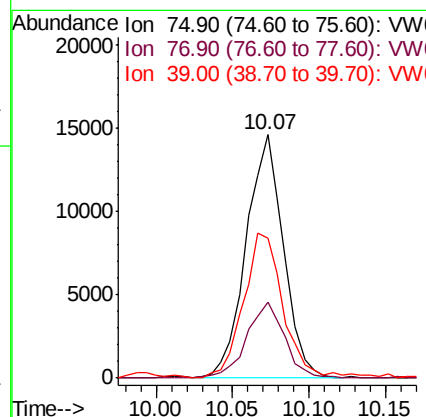
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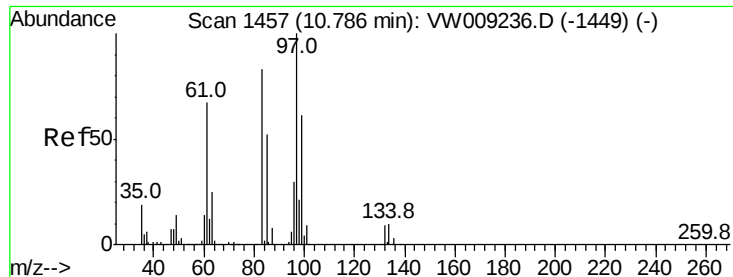
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 5.136 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion: 75 Resp: 24743
Ion Ratio Lower Upper
75 100
77 31.3 25.9 38.9
39 57.6 46.8 70.2





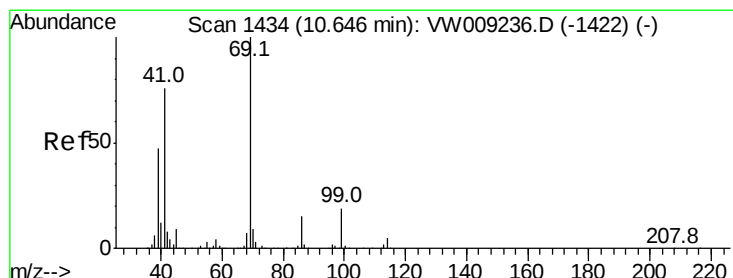
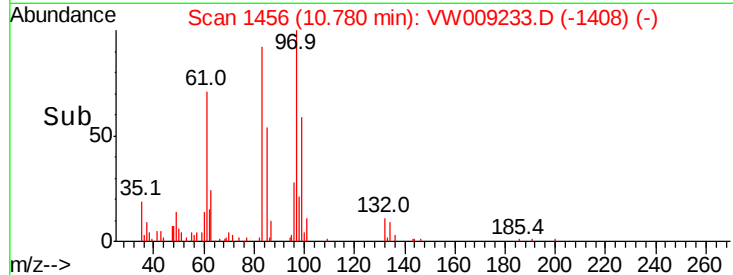
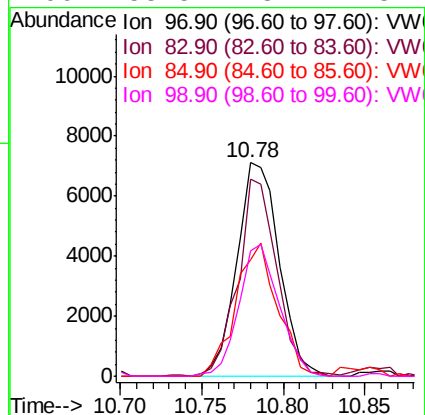
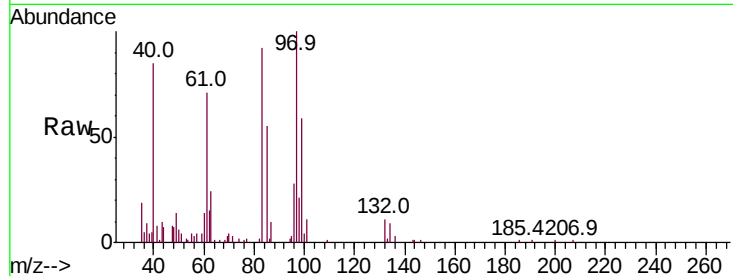
#55
 1,1,2-Trichloroethane
 Concen: 5.458 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	12841
Ion	Ratio	Lower	Upper
97	100		
83	92.3	66.3	99.5
85	54.7	41.4	62.2
99	58.5	48.7	73.1

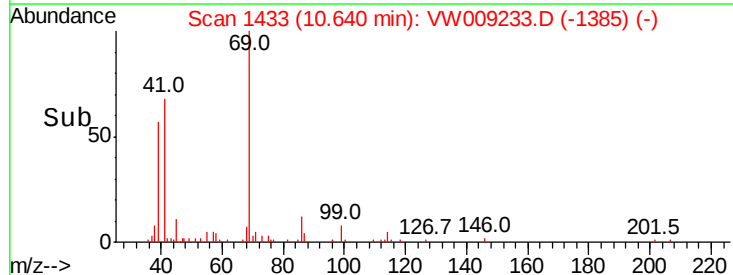
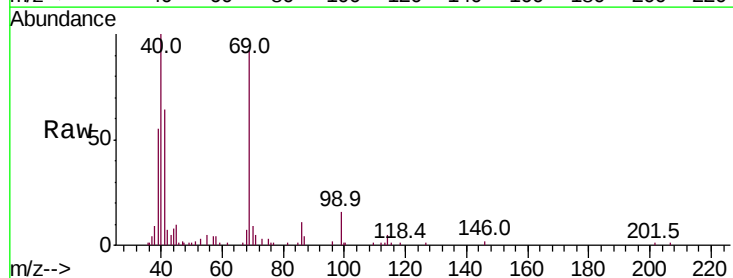
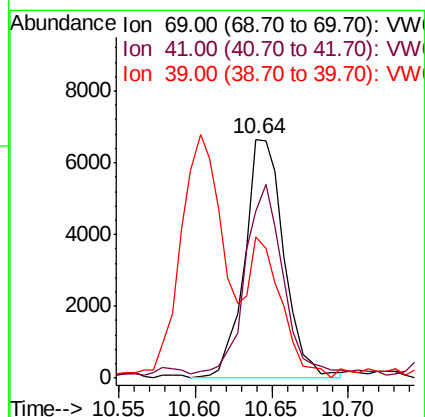
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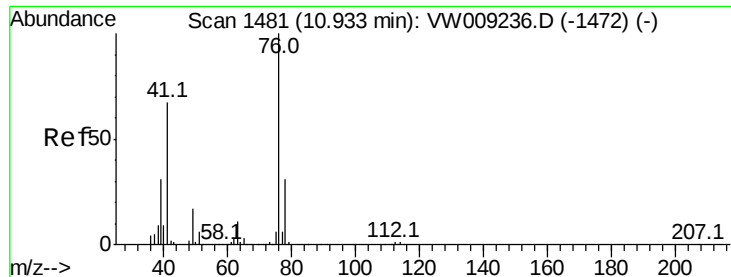
MMDadoda
 3/22/2019 3:52:56 AM



#56
 Ethyl methacrylate
 Concen: 4.244 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion:	69	Resp:	11889
Ion	Ratio	Lower	Upper
69	100		
41	78.1	59.3	88.9
39	50.6	36.2	54.2





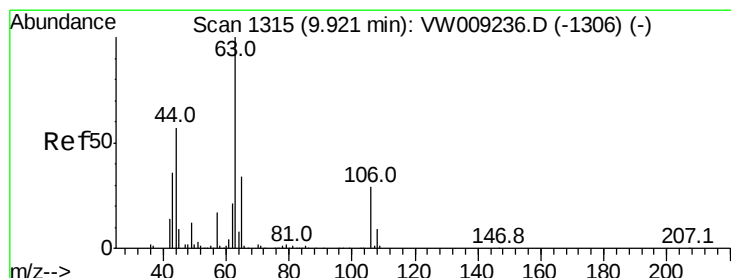
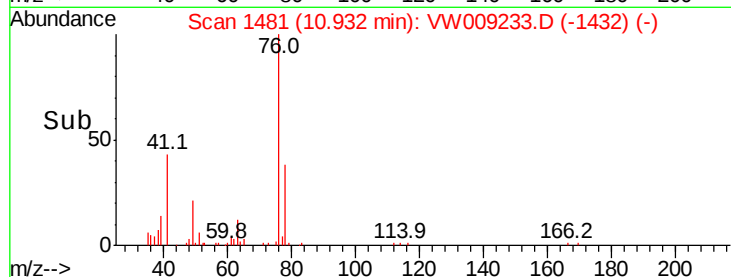
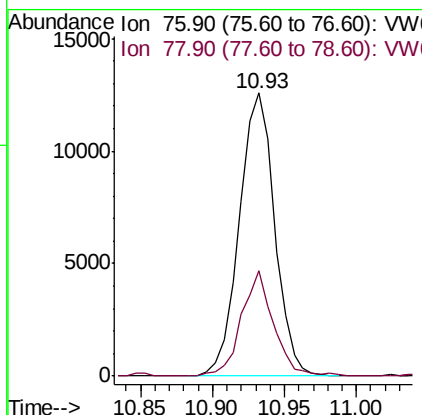
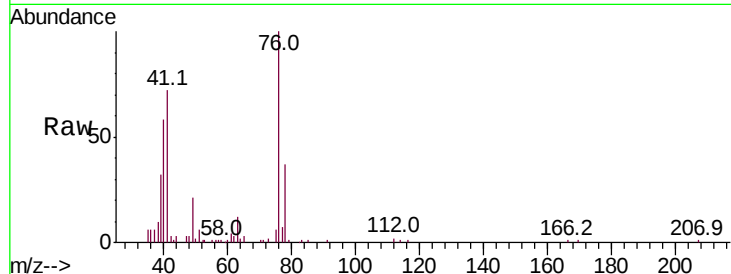
#57
 1,3-Dichloropropane
 Concen: 5.260 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion: 76 Resp: 21345
 Ion Ratio Lower Upper
 76 100
 78 34.0 25.8 38.6

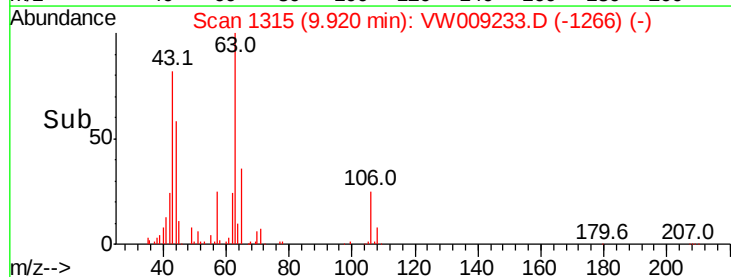
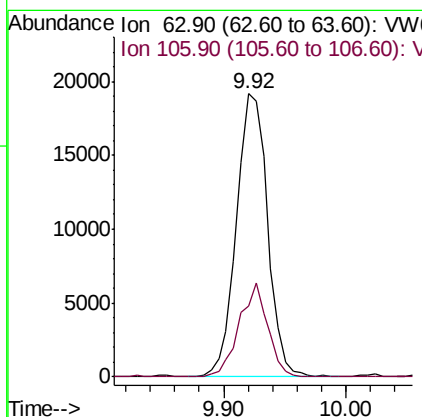
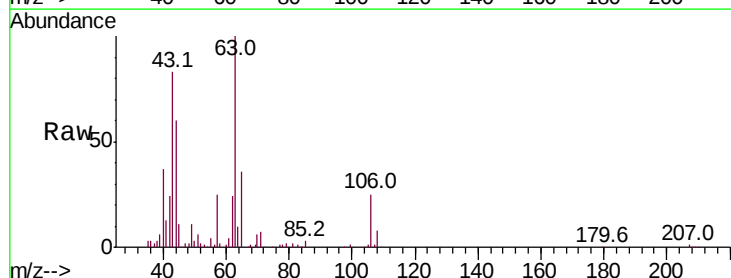
Manual Integrations
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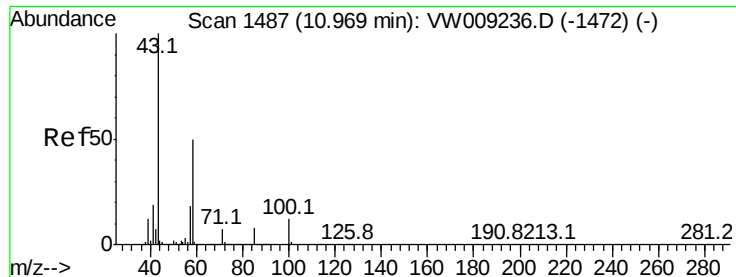
MMDadoda
 3/22/2019 3:52:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 41.333 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion: 63 Resp: 33883
 Ion Ratio Lower Upper
 63 100
 106 30.4 22.9 34.3





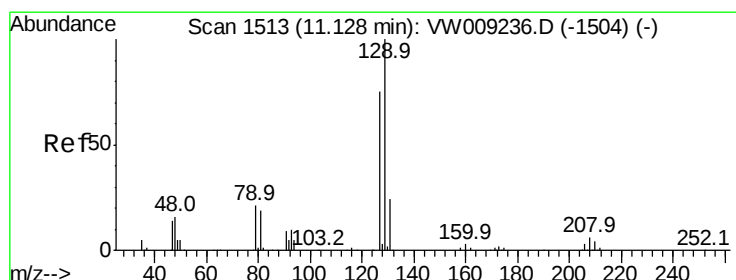
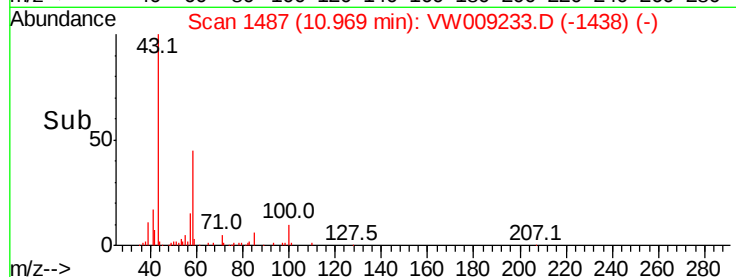
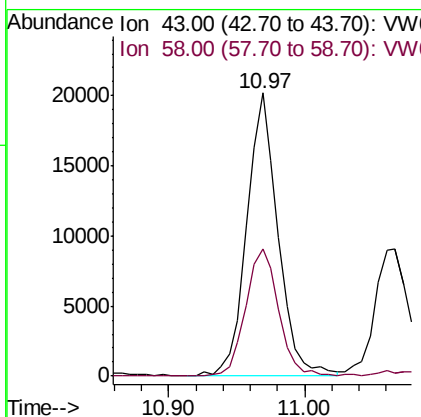
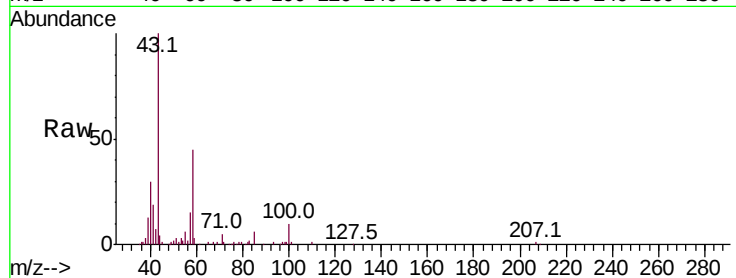
#59
2-Hexanone
Concen: 21.936 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	43	58	Ratio	100	47.4	Resp	32507	Lower	24.2	Upper	72.6
Ion	43	58	Ratio	100	47.4	Resp	32507	Lower	24.2	Upper	72.6

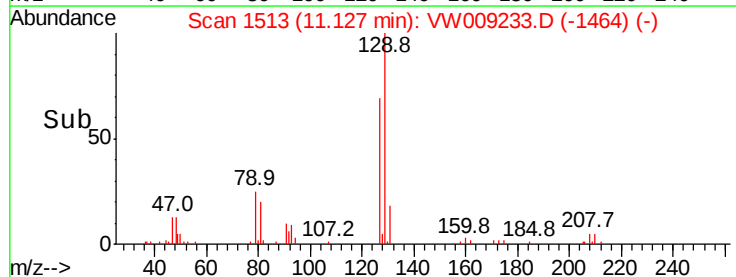
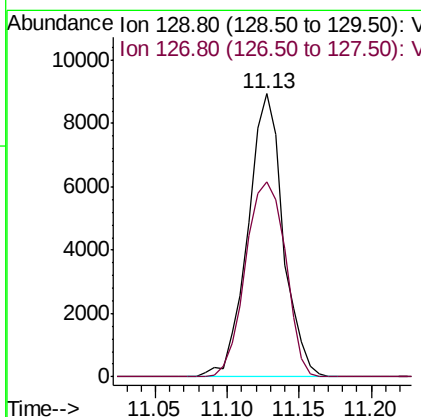
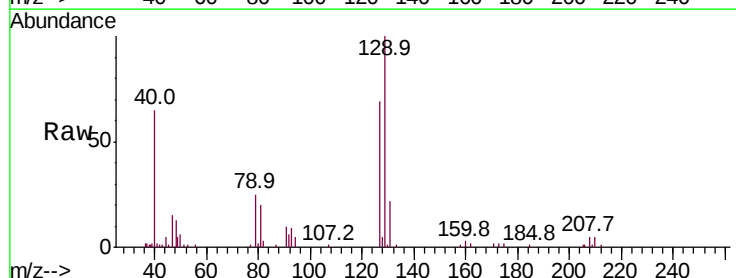
Manual Integrations
APPROVED

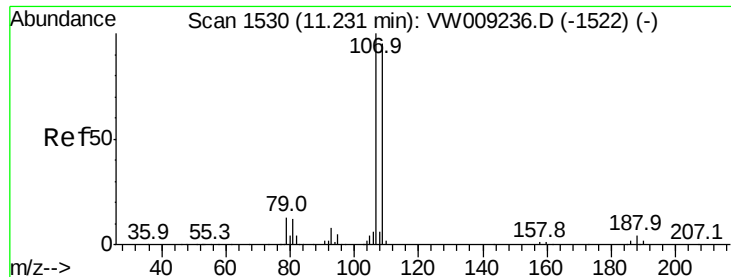
MMDadoda
3/22/2019 3:52:56 AM



#60
Dibromochloromethane
Concen: 5.184 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	129	127	Ratio	100	78.6	Resp	15069	Lower	38.1	Upper	114.5
Ion	129	127	Ratio	100	78.6	Resp	15069	Lower	38.1	Upper	114.5





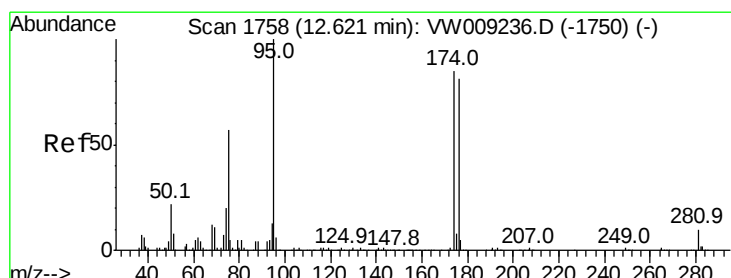
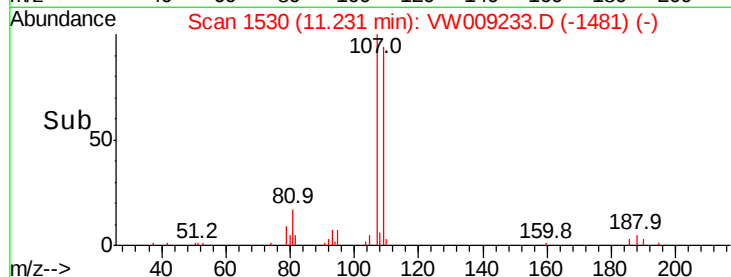
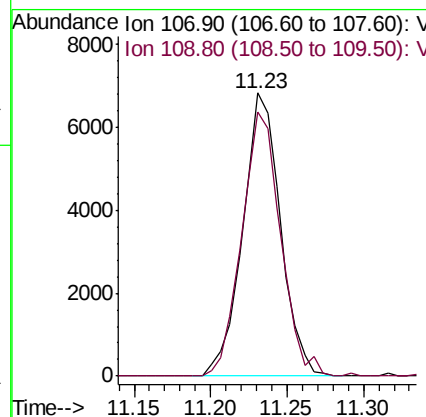
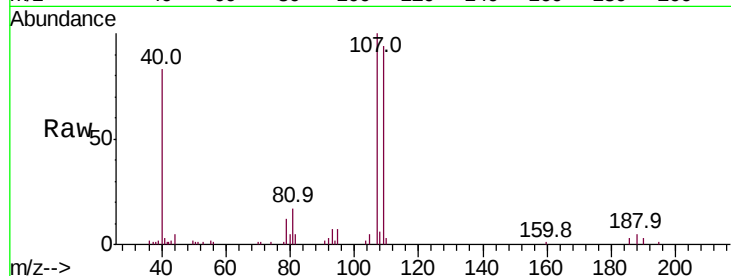
#61
 1,2-Dibromoethane
 Concen: 5.205 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.1	112.7

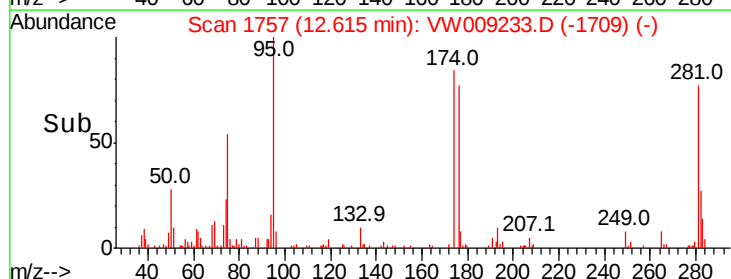
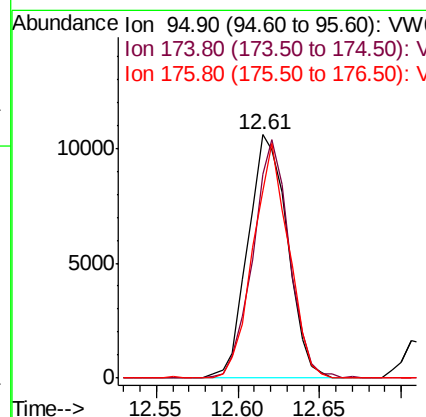
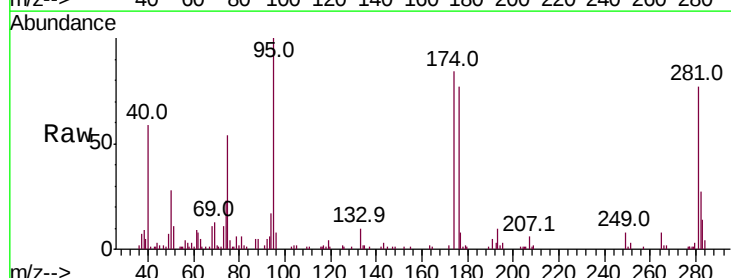
Manual Integrations
 APPROVED

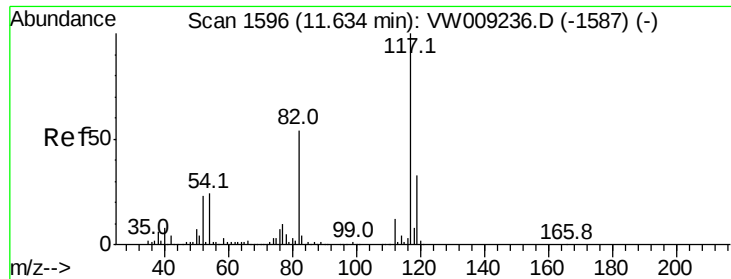
MMDadoda
 3/22/2019 3:52:56 AM



#62
 4-Bromofluorobenzene
 Concen: 4.563 ug/l
 RT: 12.61 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	168.4
176	87.3	0.0	161.6





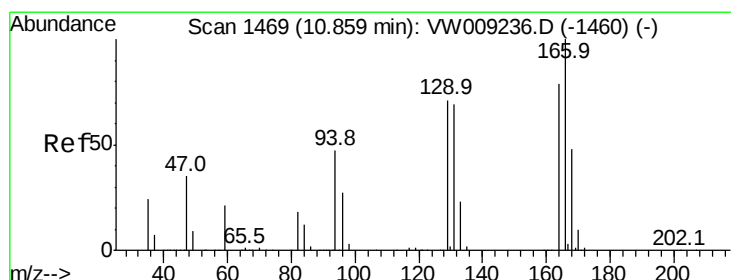
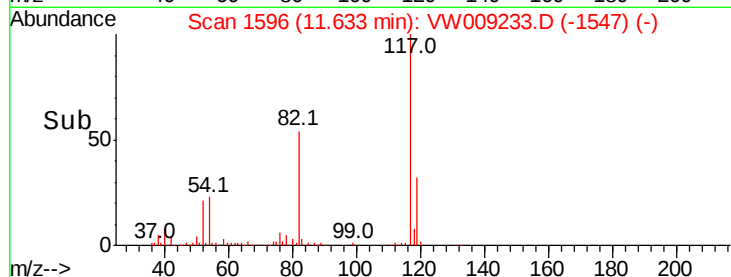
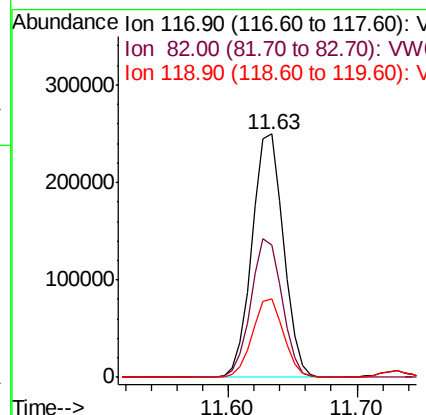
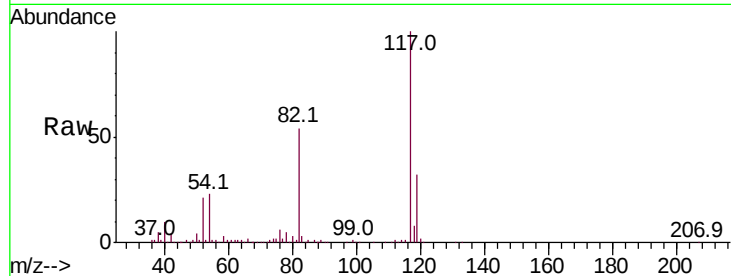
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	420183		
82	54.3	43.6	65.4	
119	32.3	26.0	39.0	

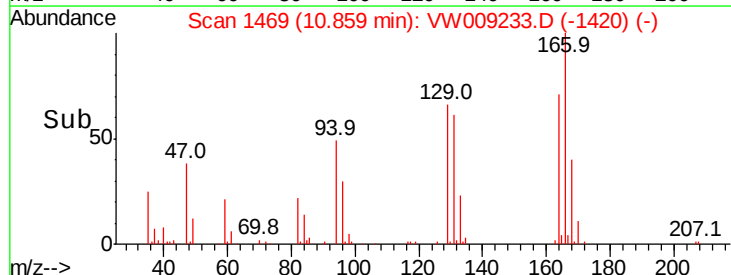
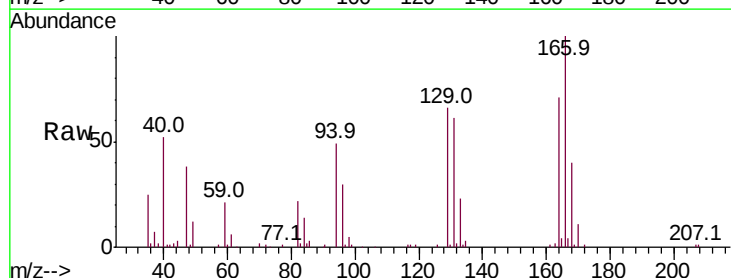
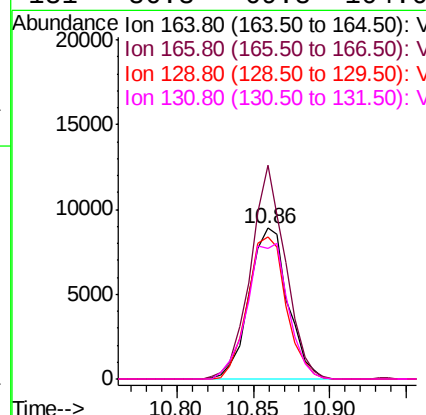
Manual Integrations
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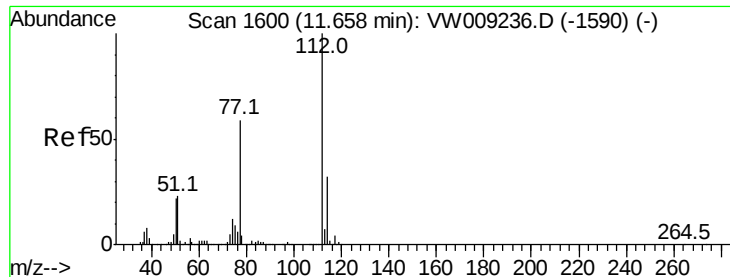
MMDadoda
3/22/2019 3:52:56 AM



#64
Tetrachloroethene
Concen: 5.455 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	15696		
166	141.7	100.9	151.3	
129	94.2	72.0	108.0	
131	86.3	69.8	104.6	





#65

Chlorobenzene

Concen: 5.477 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 47593

Ion Ratio Lower Upper

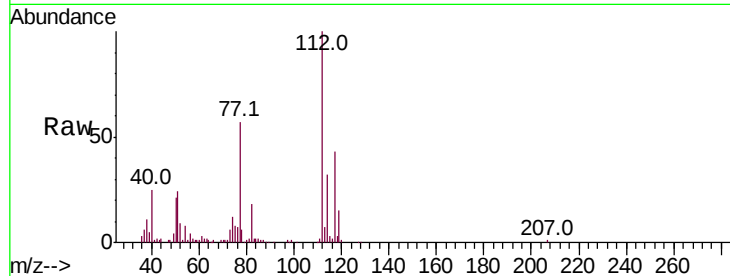
112 100

114 32.3 25.6 38.4

Manual Integrations
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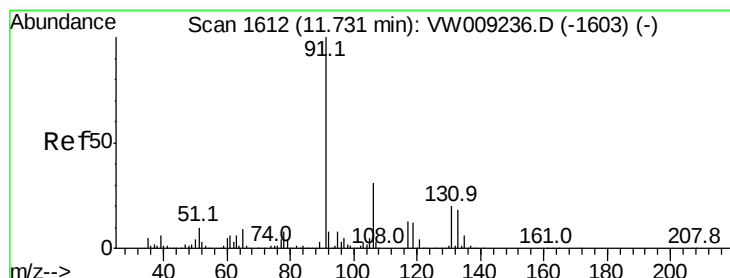
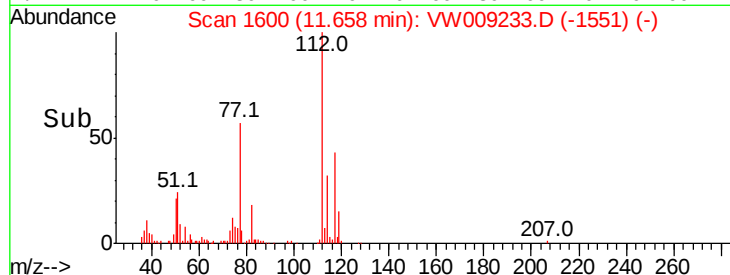
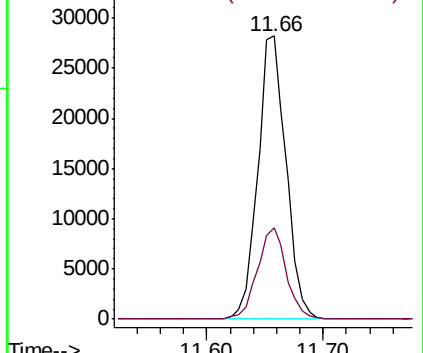
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.275 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

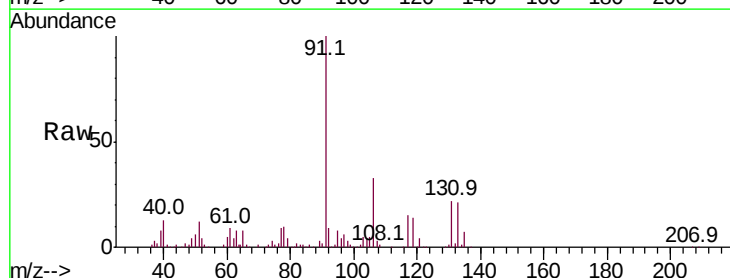
Tgt Ion:131 Resp: 17123

Ion Ratio Lower Upper

131 100

133 100.3 47.3 141.8

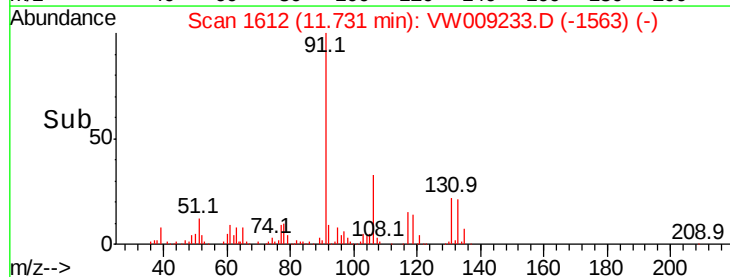
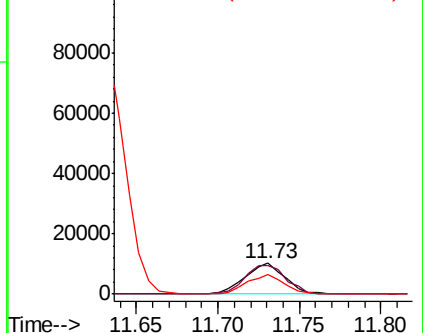
119 62.6 31.6 95.0

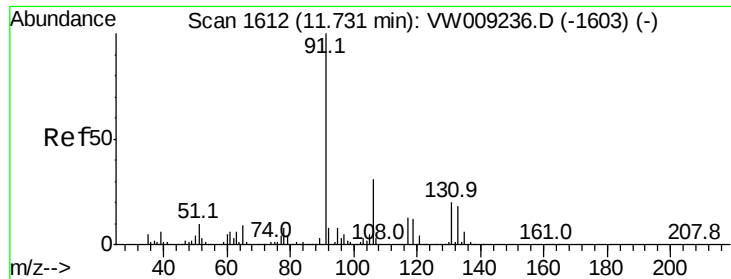


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





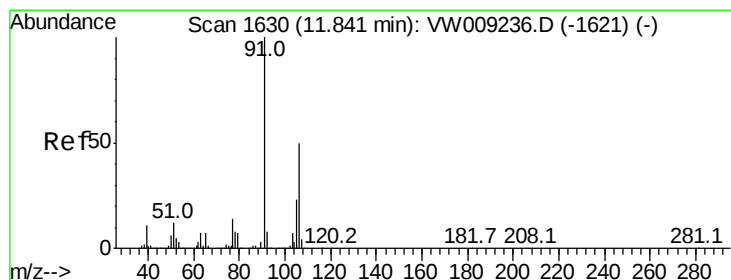
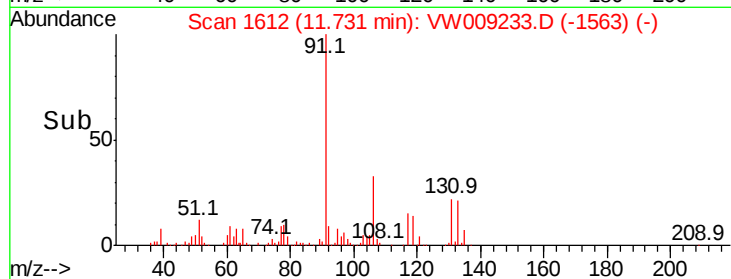
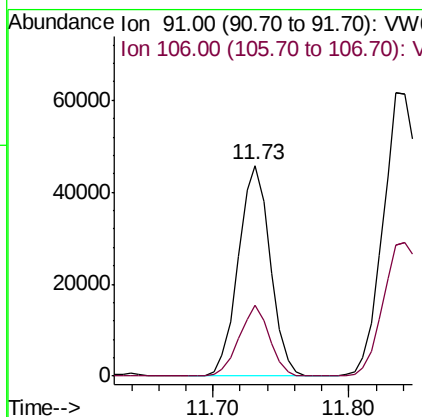
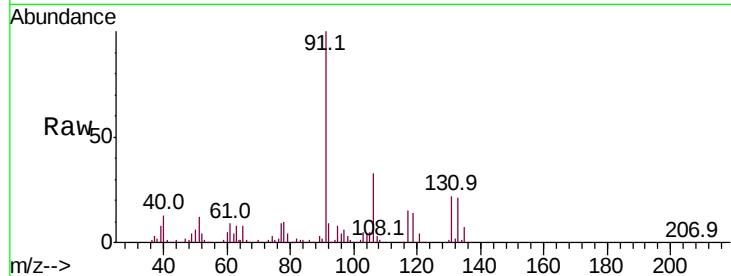
#67
Ethyl Benzene
Concen: 4.978 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 74928
Ion Ratio Lower Upper
91 100
106 33.4 24.6 36.8

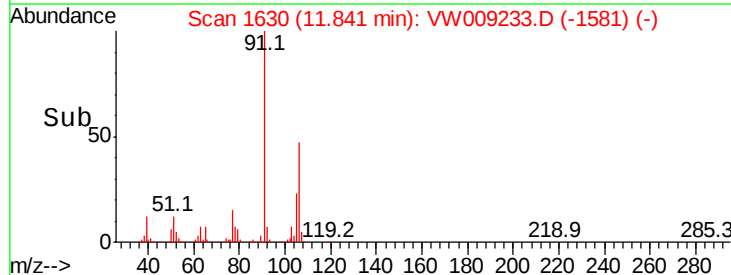
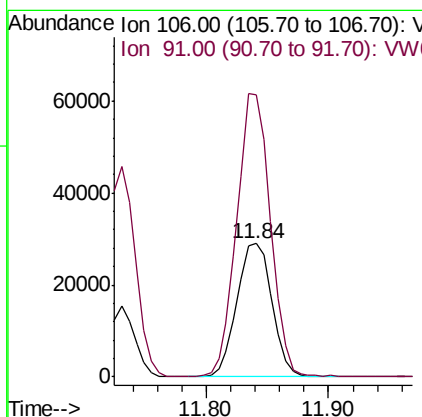
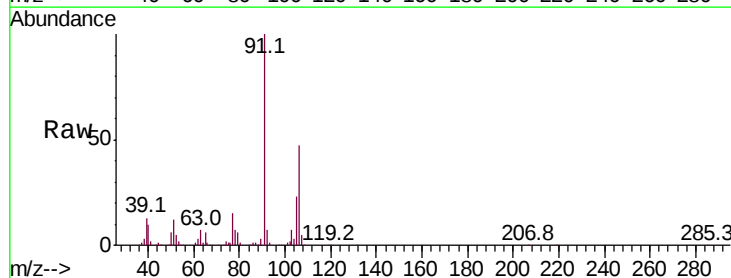
Manual Integrations
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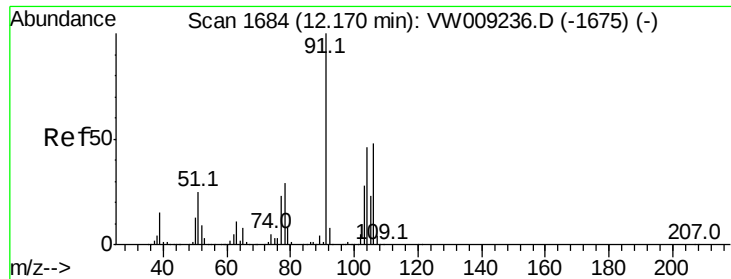
MMDadoda
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#68
m/p-Xylenes
Concen: 9.904 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion: 106 Resp: 57782
Ion Ratio Lower Upper
106 100
91 204.0 163.1 244.7





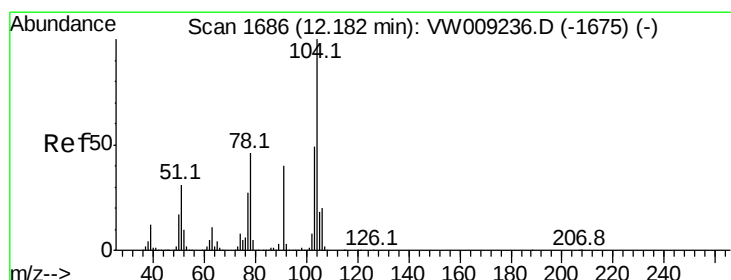
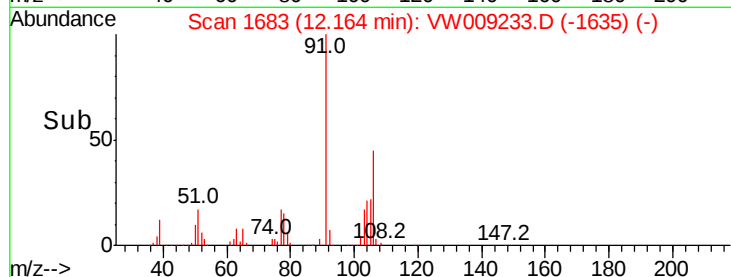
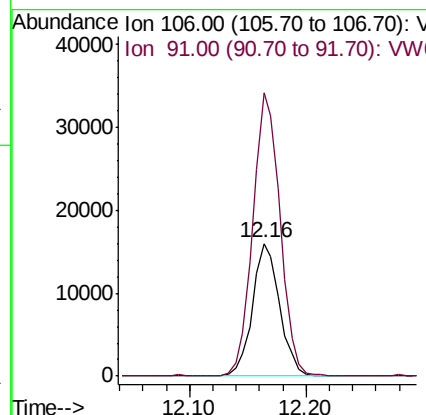
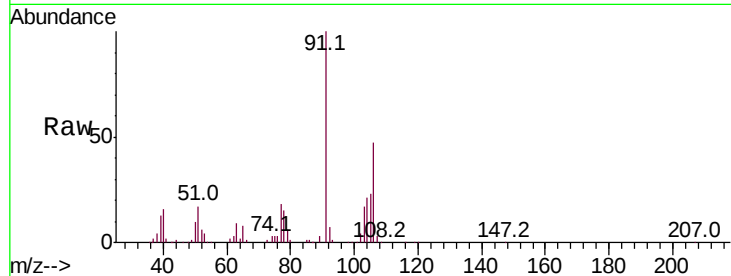
#69
o-Xylene
Concen: 4.816 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 26093
Ion Ratio Lower Upper
106 100
91 214.5 108.6 325.8

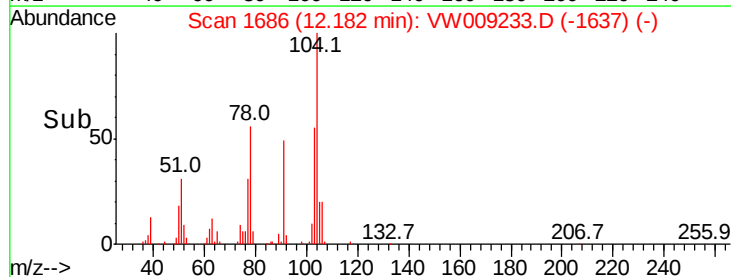
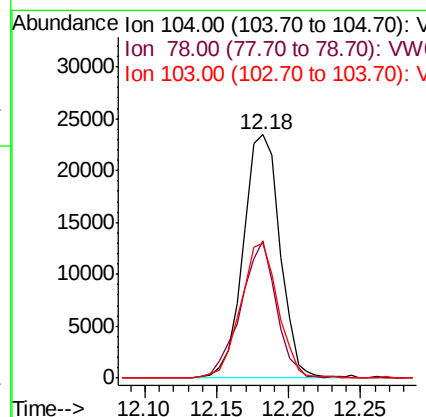
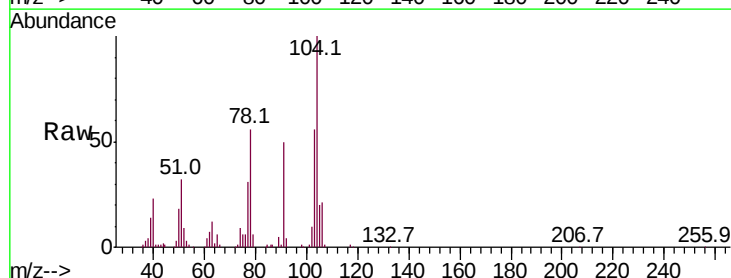
Manual Integrations
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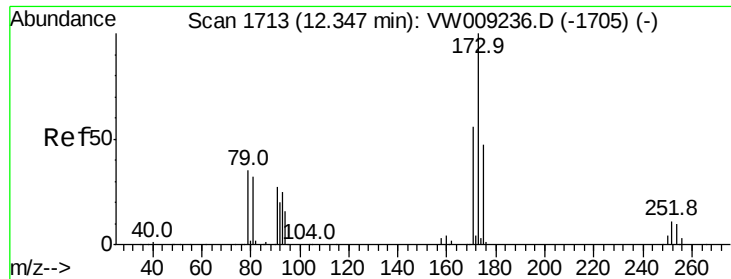
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#70
Styrene
Concen: 4.625 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion:104 Resp: 41309
Ion Ratio Lower Upper
104 100
78 55.0 42.2 63.4
103 57.2 44.6 66.8





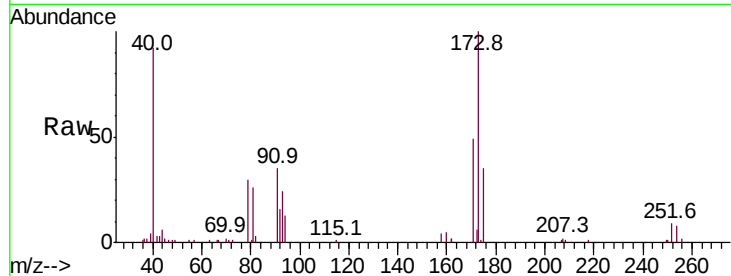
#71
Bromoform
Concen: 5.306 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

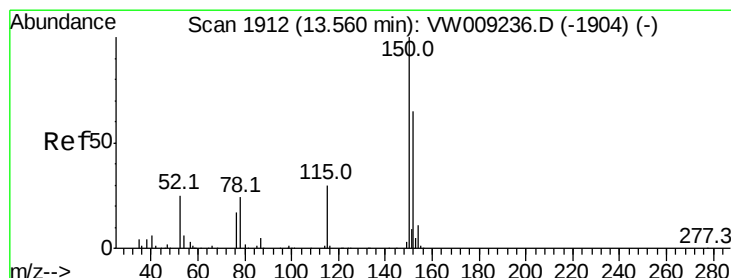
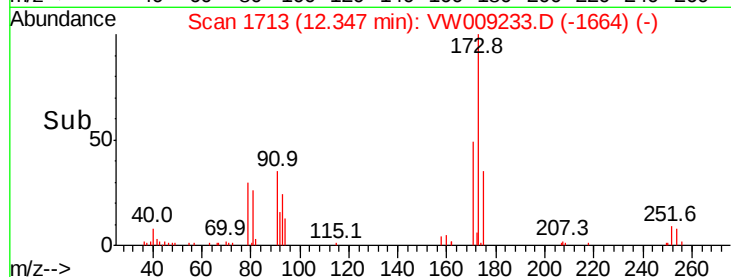
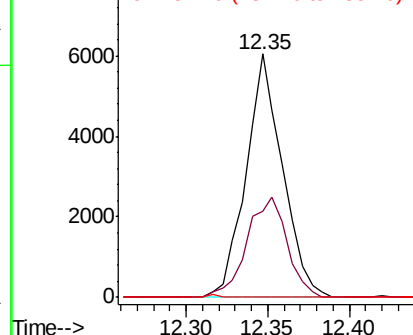
Tot Ion	Ratio	Lower	Upper
173	100		
175	45.2	24.1	72.4
254	0.0	0.2	0.4

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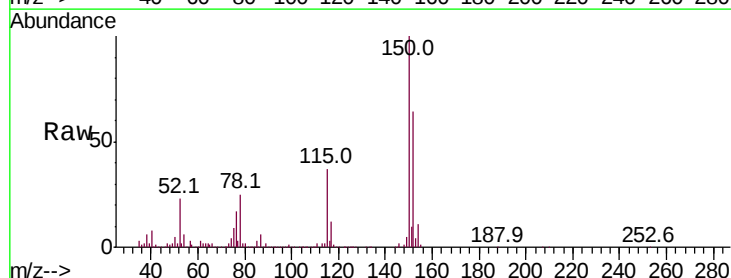


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

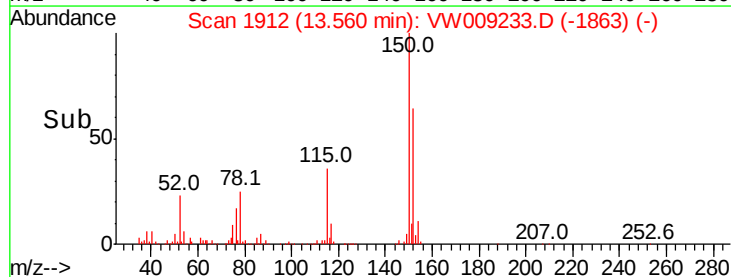
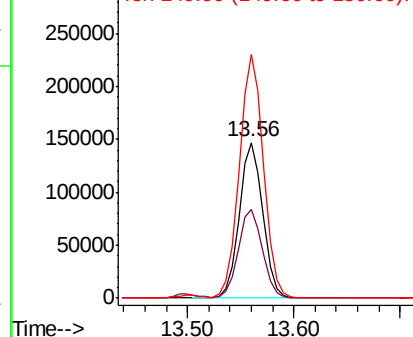


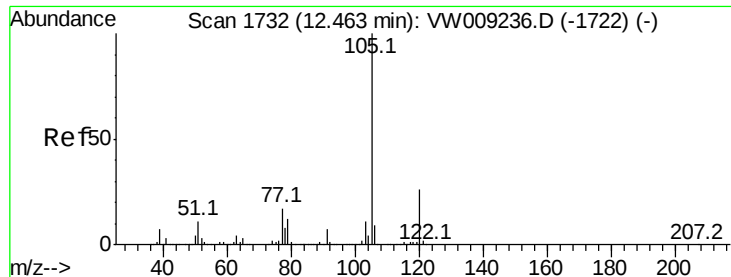
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.6	88.8
150	160.2	0.0	349.2



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





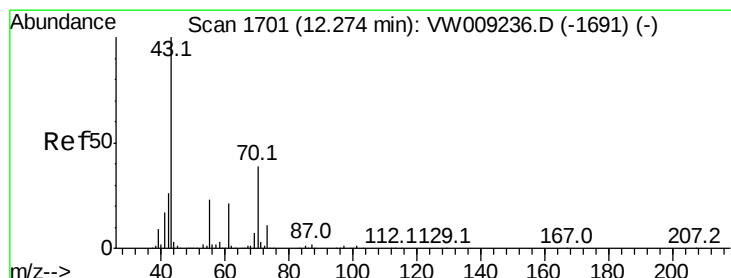
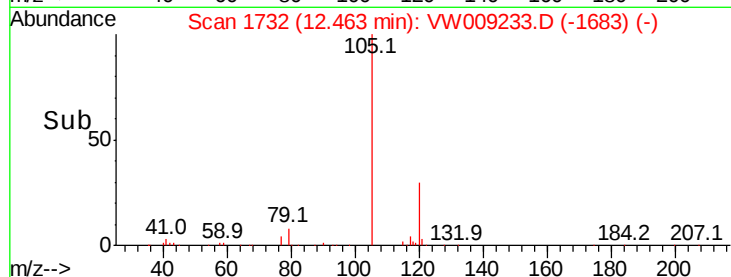
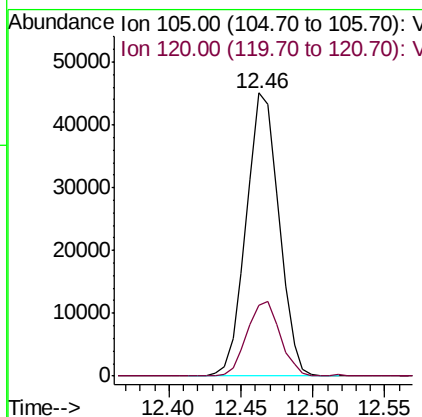
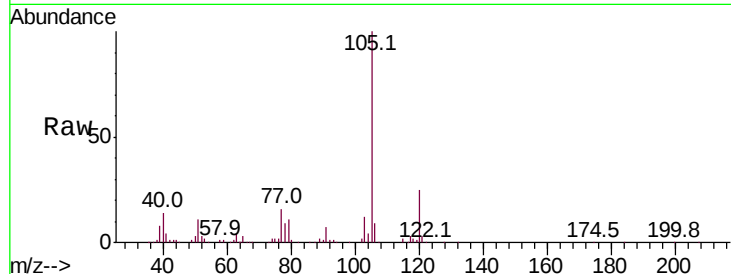
#73
Isopropylbenzene
Concen: 4.675 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.0	39.0

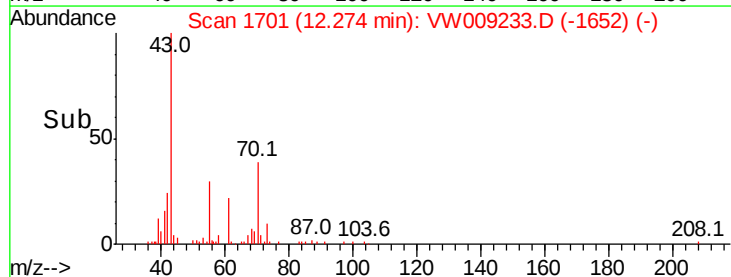
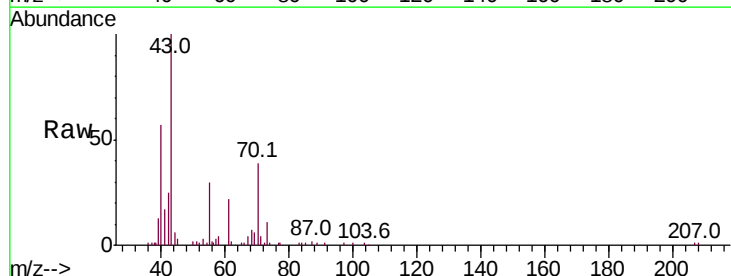
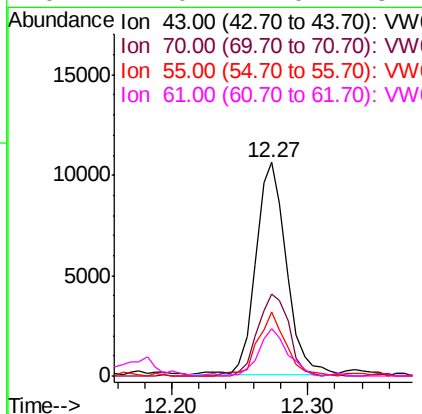
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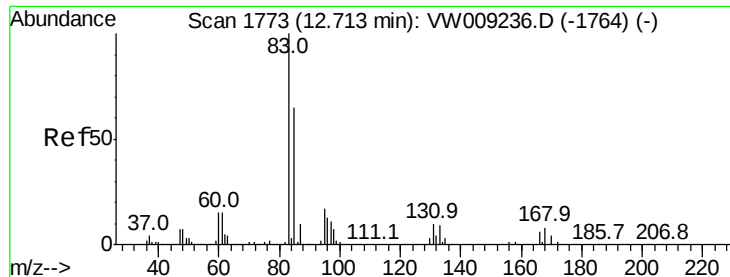
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3/22/2019 3:52:56 AM



#74
N-ethyl acetate
Concen: 4.229 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.9	30.6	46.0
55	27.3	19.3	28.9
61	21.0	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.280 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

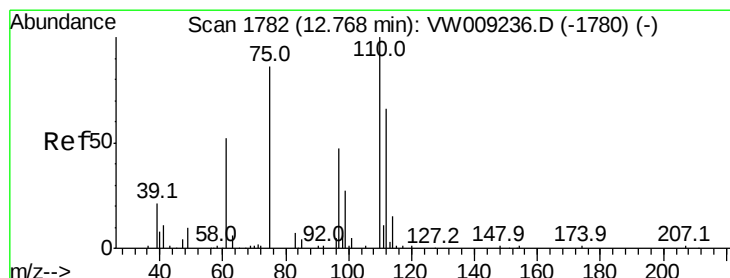
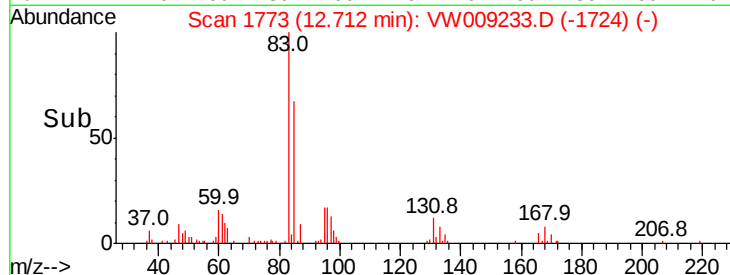
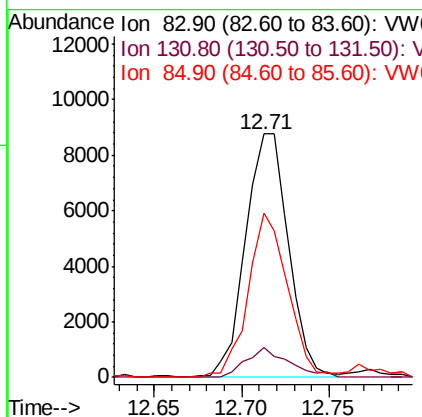
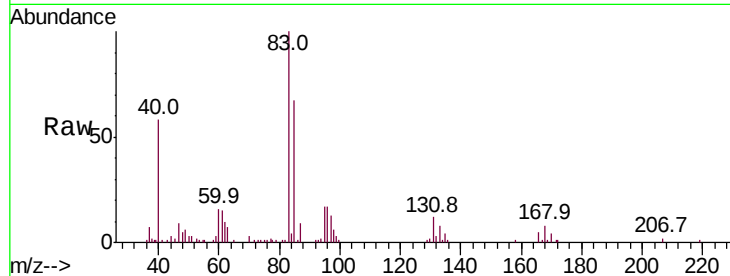
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	14998
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.3	16.1
85	61.6	32.6	97.8

Manual Integrations
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3/22/2019 3:52:56 AM



#76

1,2,3-Trichloropropane

Concen: 5.569 ug/l m

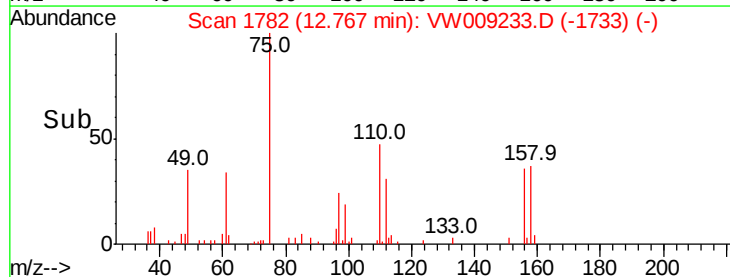
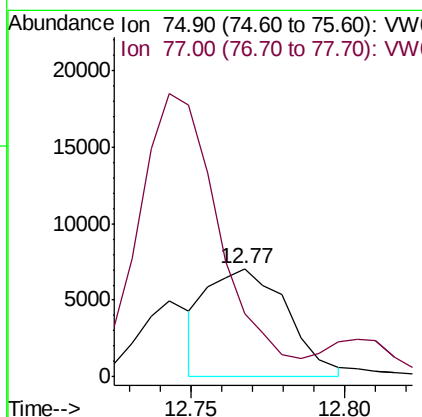
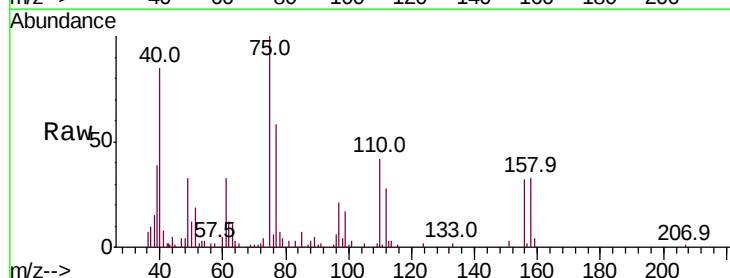
RT: 12.77 min Scan# 1782

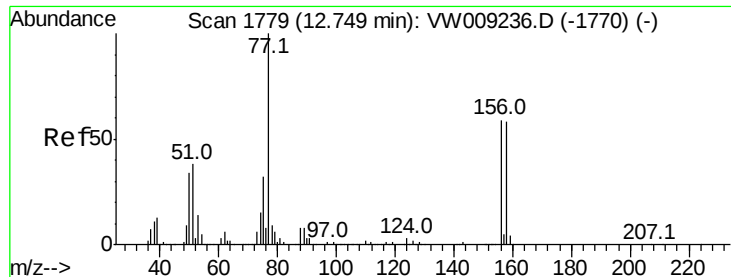
Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Tgt Ion:	75	Resp:	12792
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.237 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 18838

Ion Ratio Lower Upper

156 100

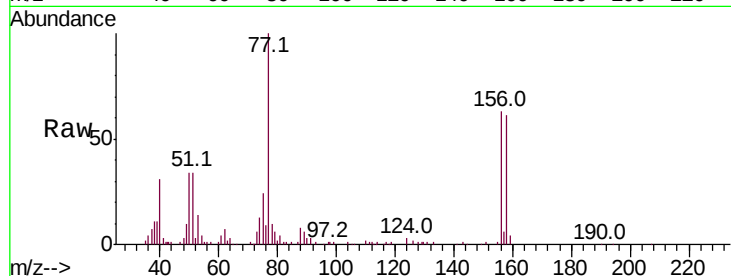
77 182.1 96.0 288.0

158 97.7 49.1 147.3

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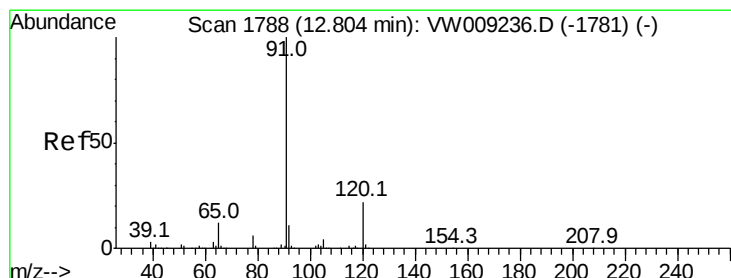
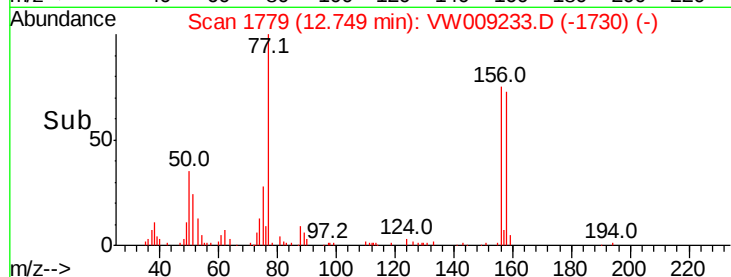
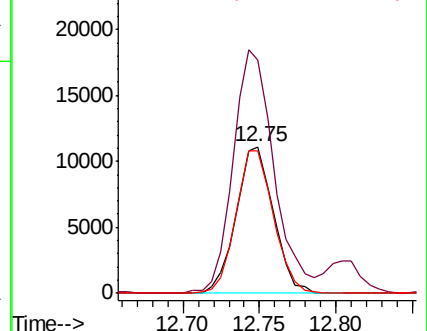
3/22/2019 3:52:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.757 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009233.D

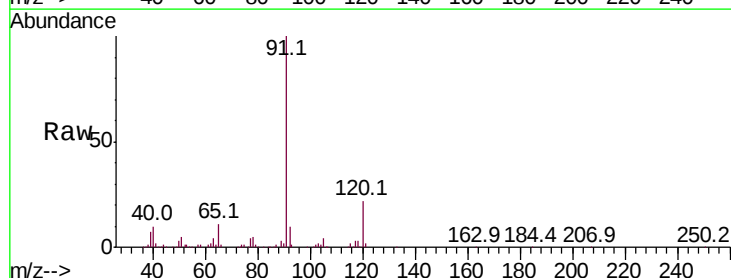
Acq: 19 Mar 2019 10:57

Tgt Ion: 91 Resp: 88721

Ion Ratio Lower Upper

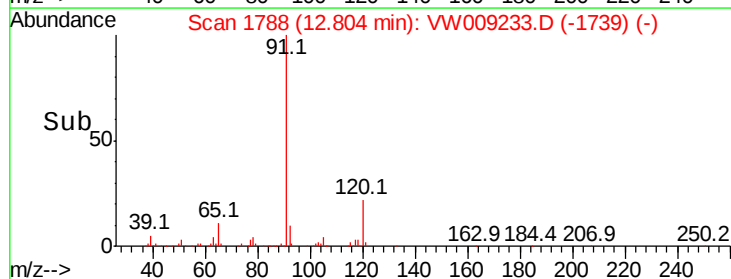
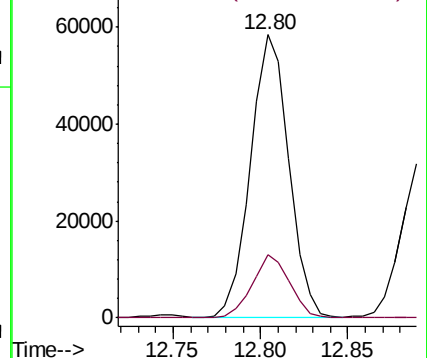
91 100

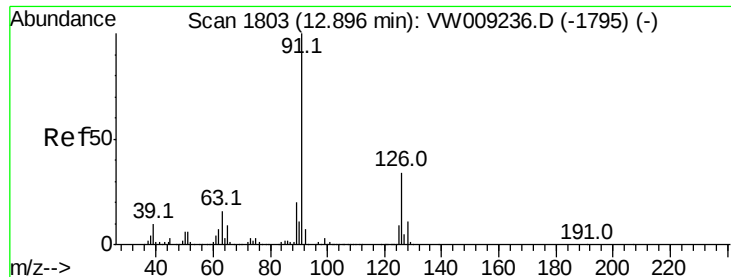
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.909 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 52013

Ion Ratio Lower Upper

91 100

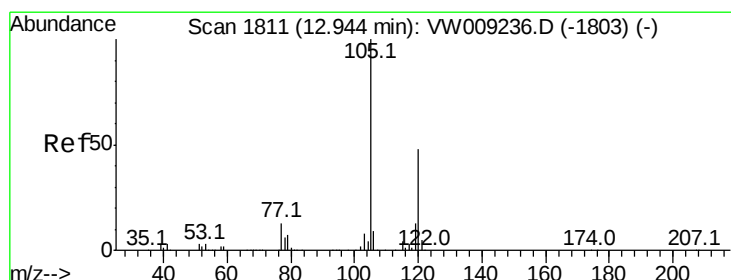
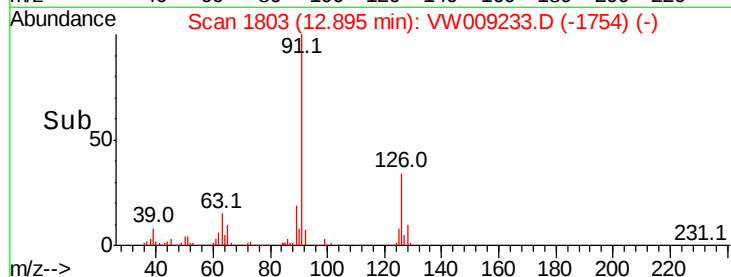
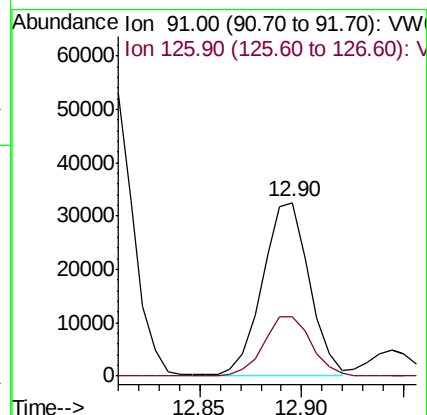
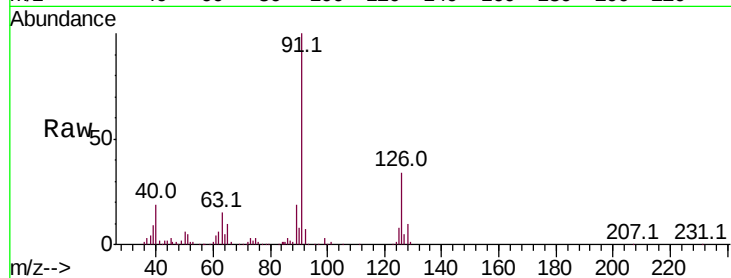
126 35.2 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 4.649 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009233.D

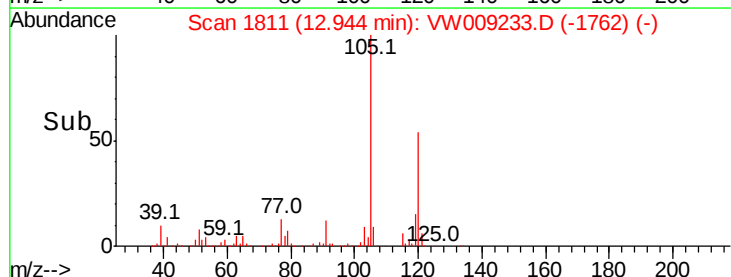
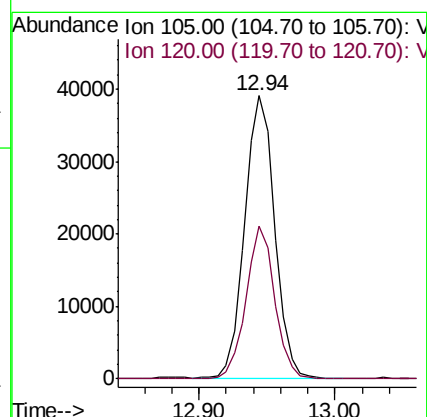
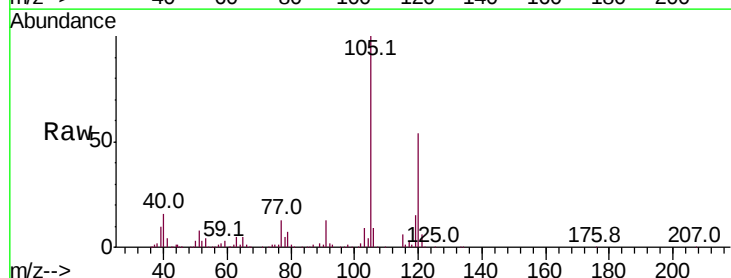
Acq: 19 Mar 2019 10:57

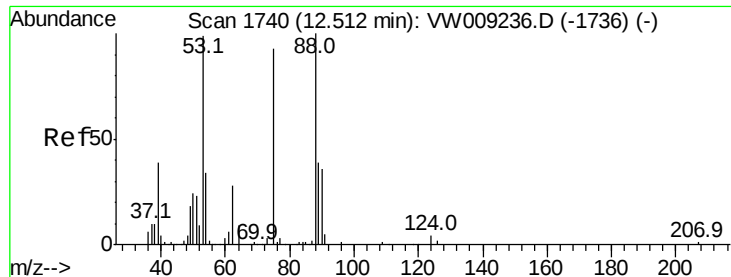
Tgt Ion: 105 Resp: 60039

Ion Ratio Lower Upper

105 100

120 51.6 24.6 74.0





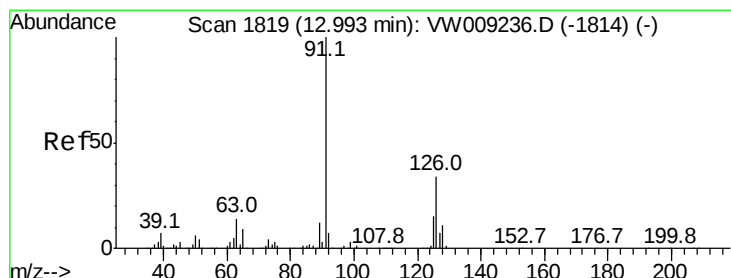
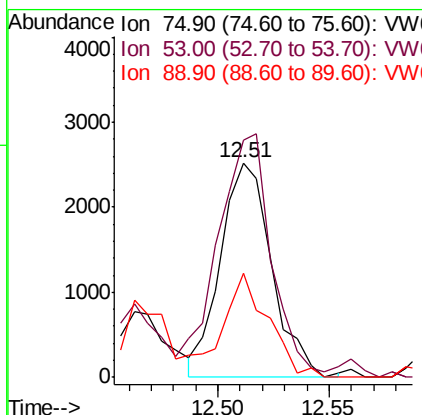
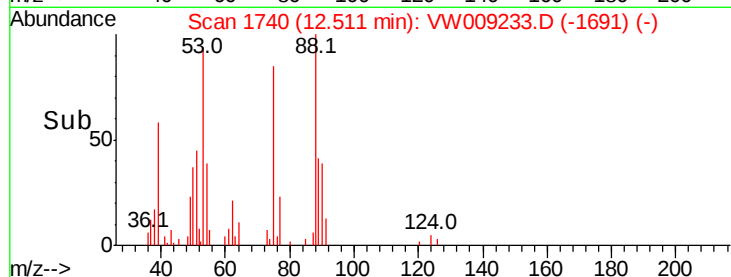
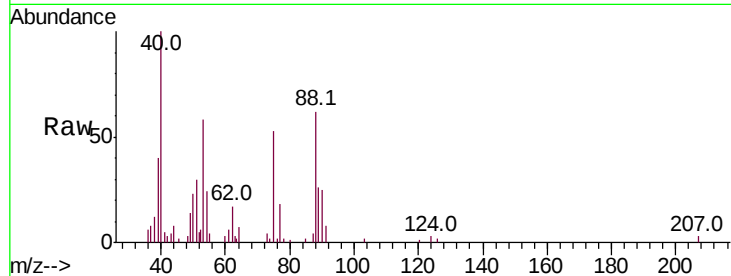
#81
trans-1,4-Dichloro-2-butene
Concen: 4.643 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	118.8	86.7	130.1
89	42.6	36.4	54.6

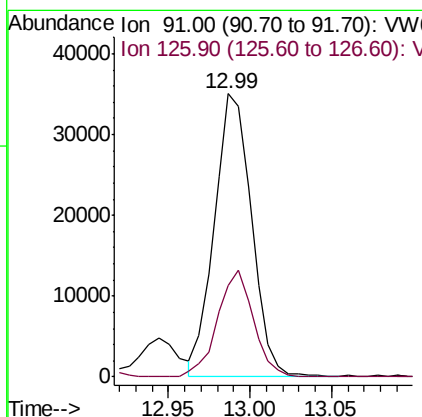
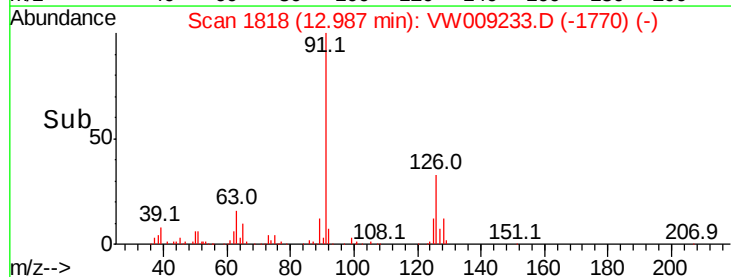
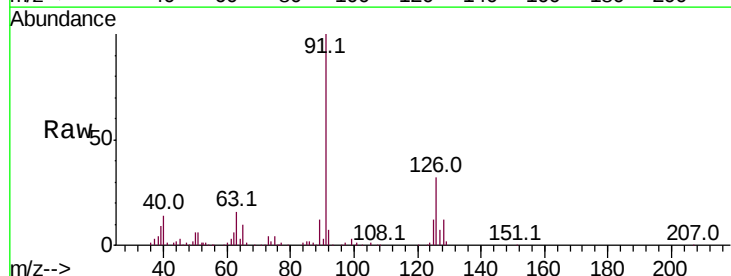
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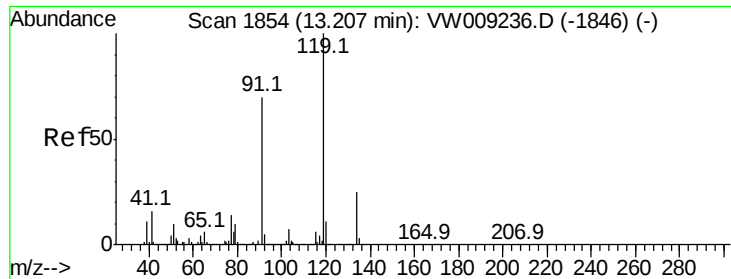
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#82
4-Chlorotoluene
Concen: 4.999 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	16.9	50.6





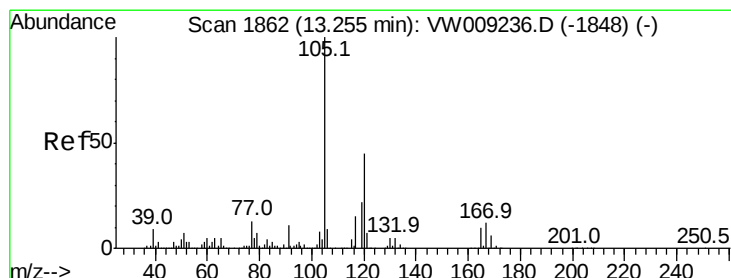
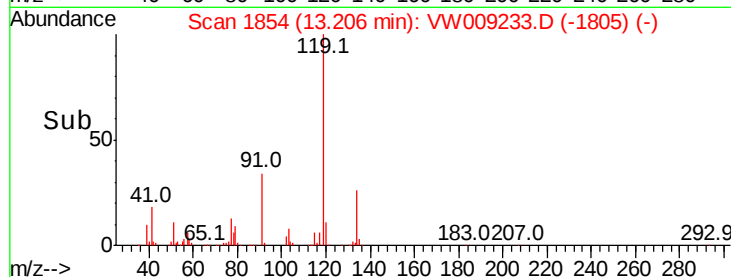
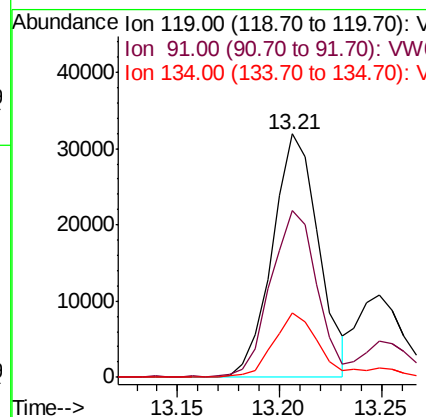
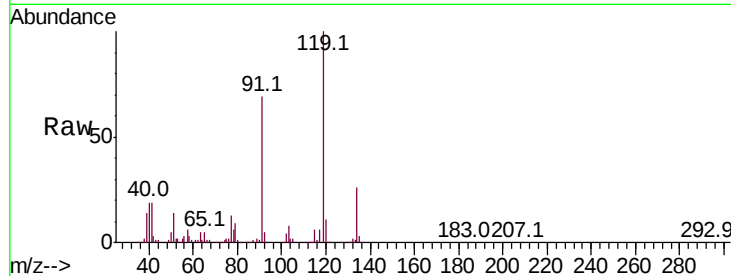
#83
 tert-Butylbenzene
 Concen: 4.600 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.0	34.4	103.2
134	26.2	12.7	38.1

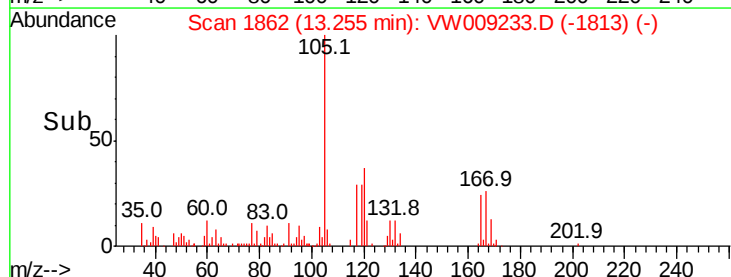
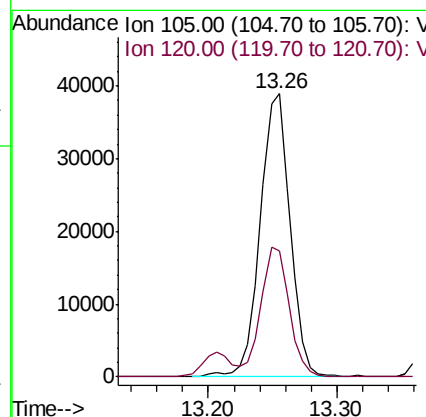
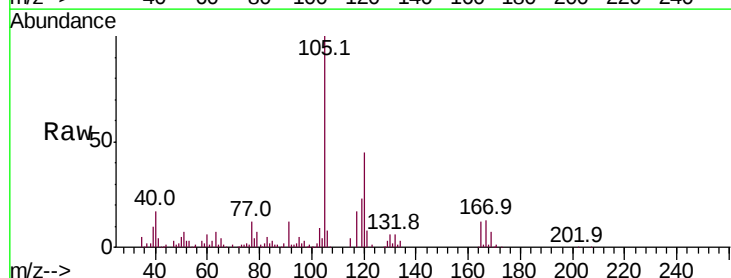
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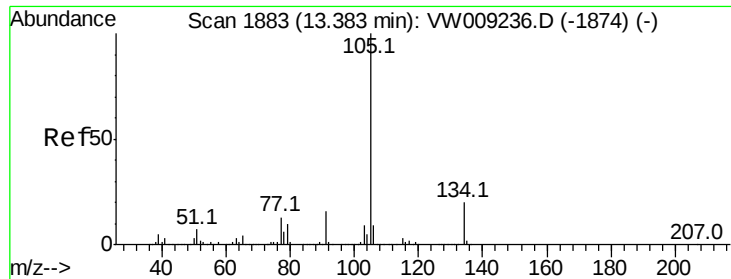
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.693 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.8	68.3





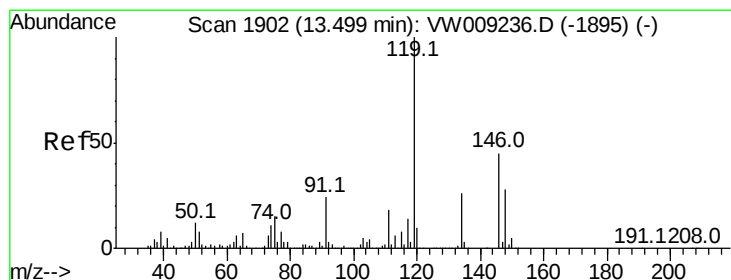
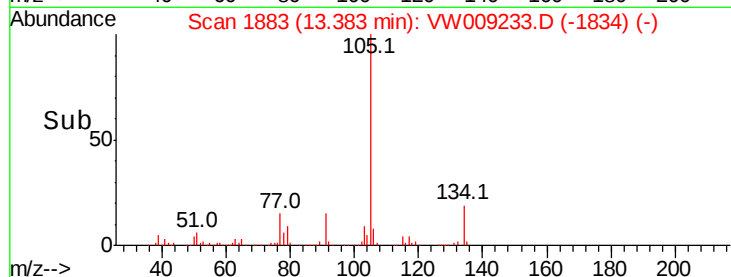
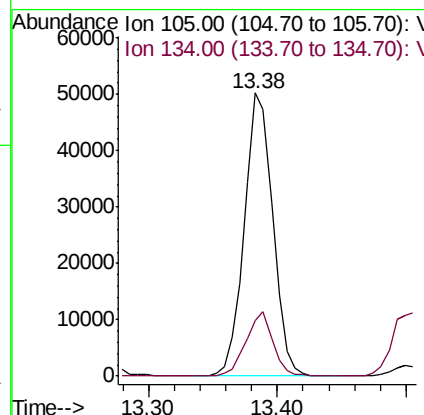
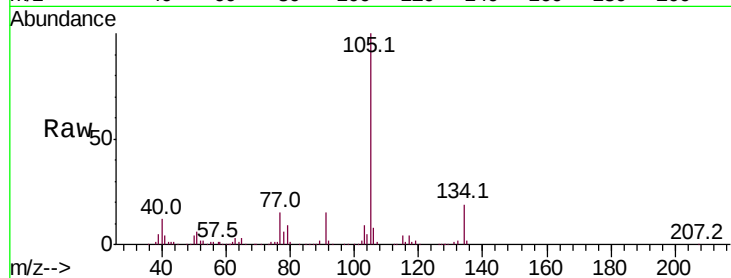
#85
 sec-Butylbenzene
 Concen: 4.693 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.2	30.6

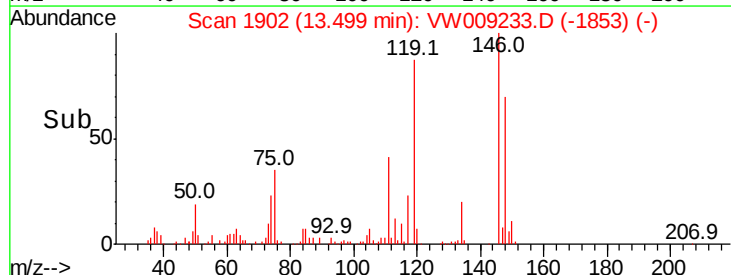
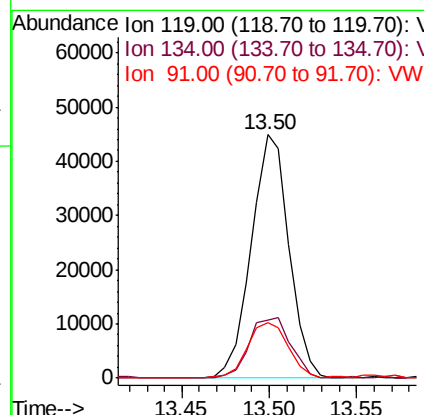
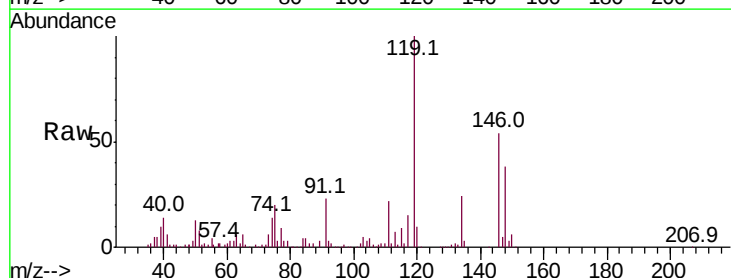
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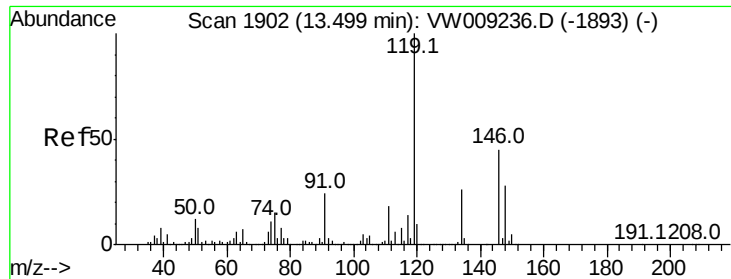
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 3/22/2019 3:52:56 AM



#86
 p-Isopropyltoluene
 Concen: 4.644 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.1	39.3
91	25.0	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 5.286 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009233.D

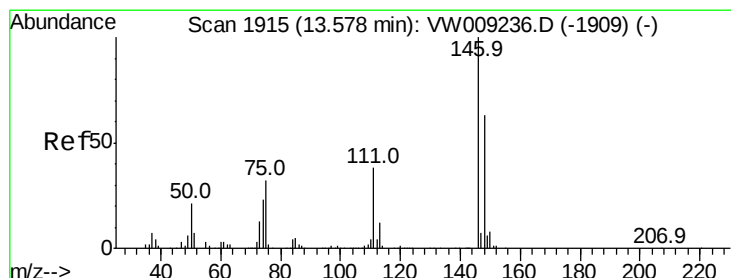
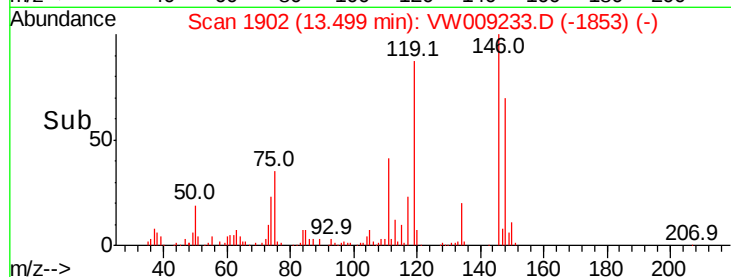
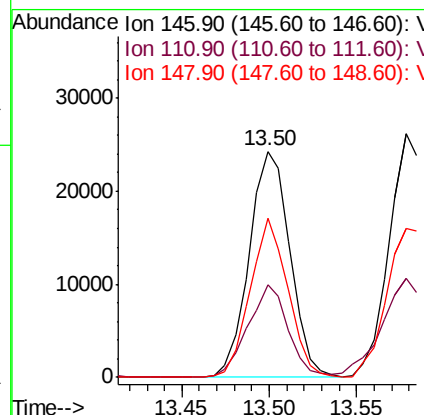
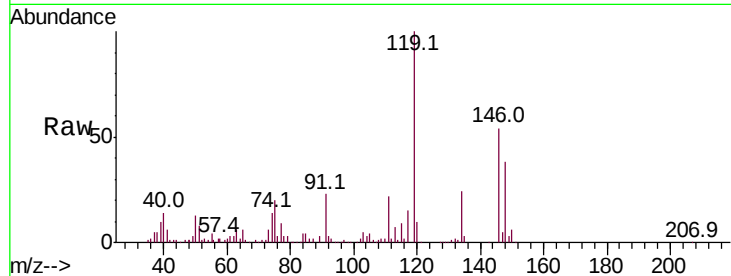
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.4	20.1	60.2	
148	65.3	31.4	94.3	

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#88

1,4-Dichlorobenzene

Concen: 5.482 ug/l

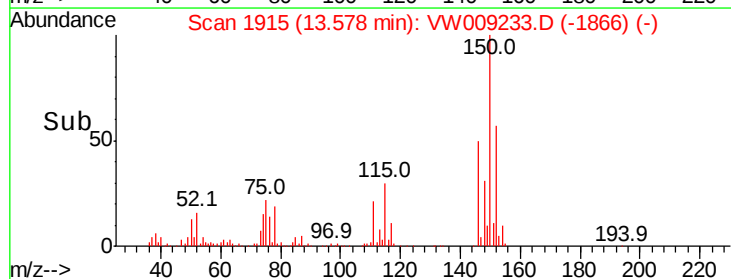
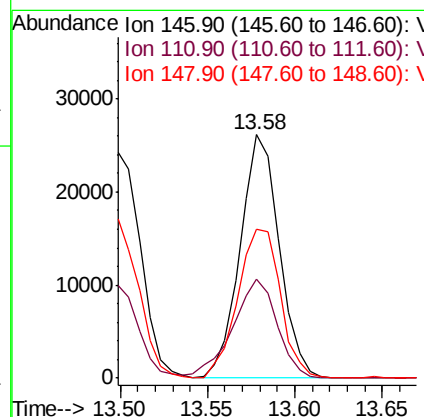
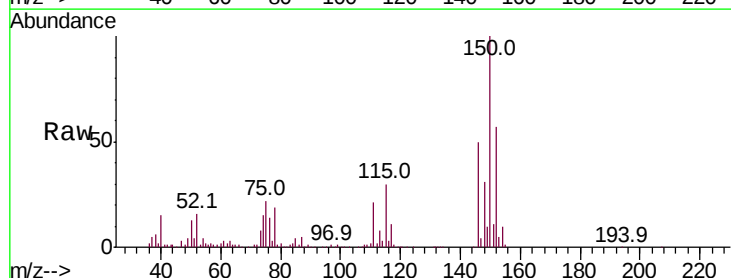
RT: 13.58 min Scan# 1915

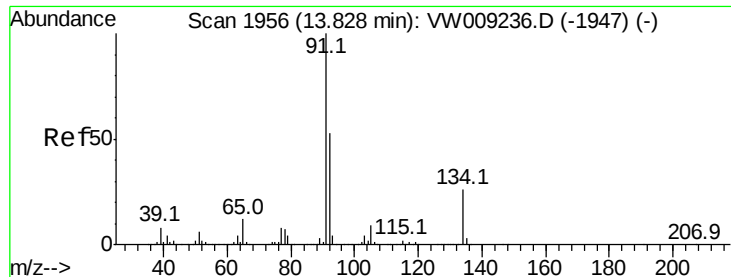
Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	46.3	19.9	59.6	
148	67.1	32.2	96.6	





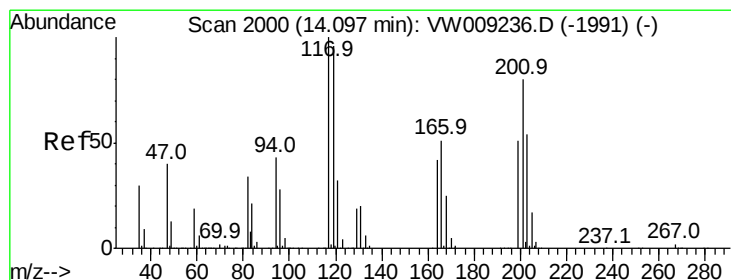
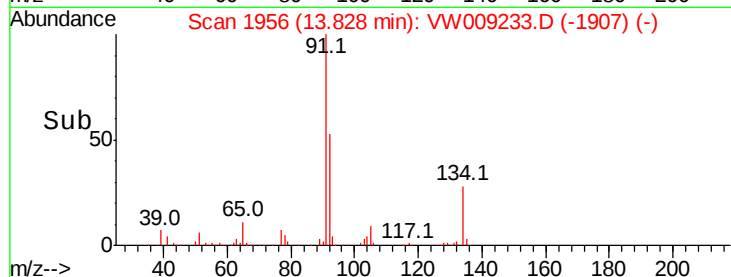
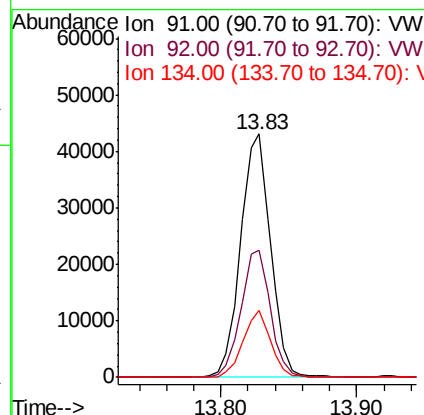
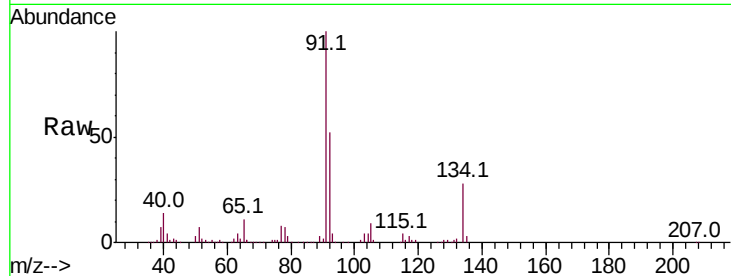
#89
n-Butylbenzene
Concen: 4.745 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.4	79.0
134	25.2	12.9	38.6

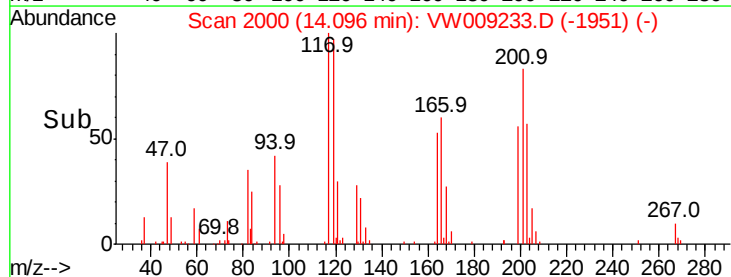
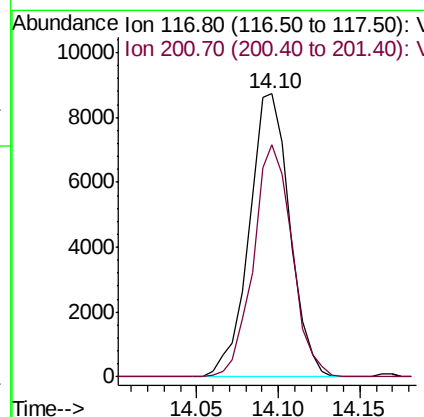
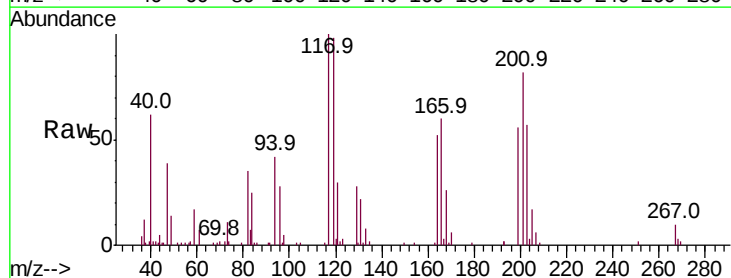
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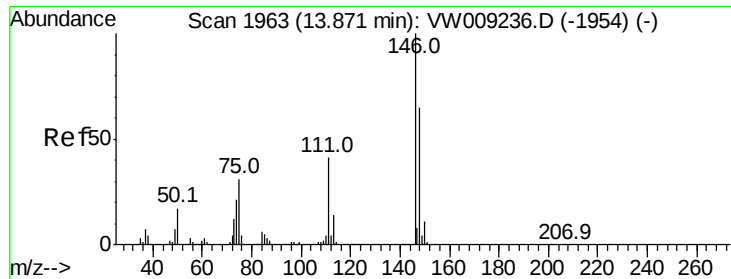
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#90
Hexachloroethane
Concen: 5.265 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW009233.D
Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	38.2	114.6





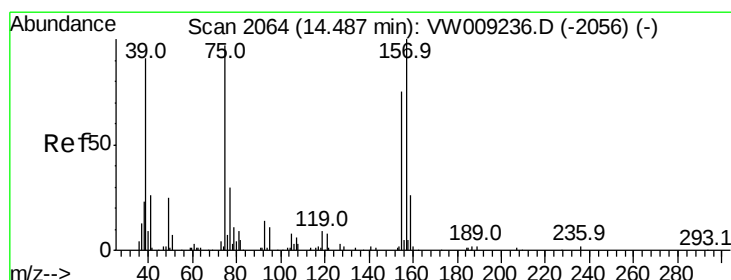
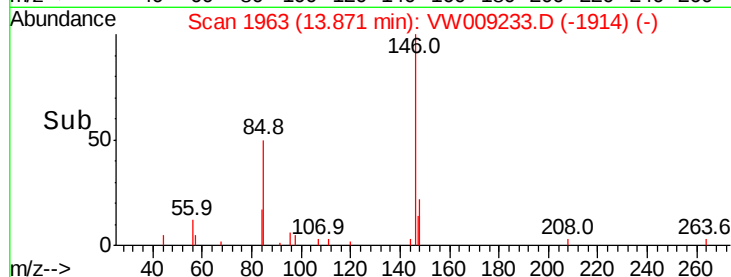
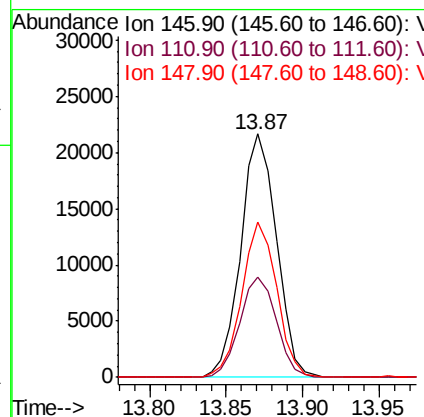
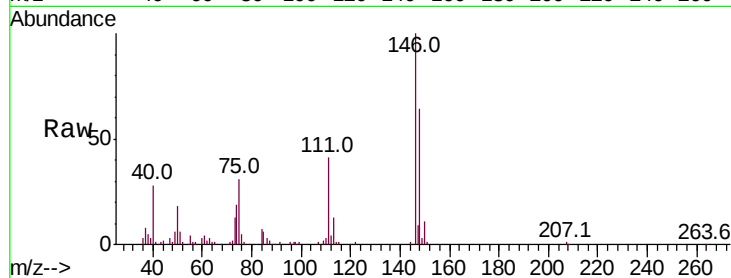
#91
 1,2-Dichlorobenzene
 Concen: 5.270 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.4	61.2
148	62.5	31.9	95.9

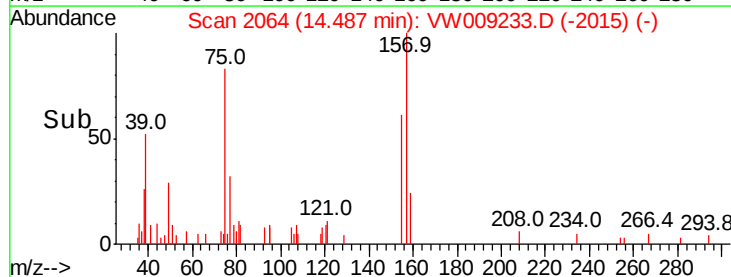
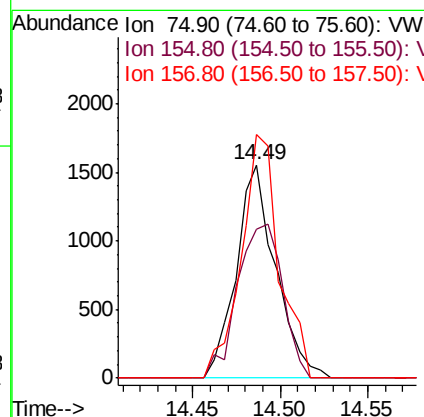
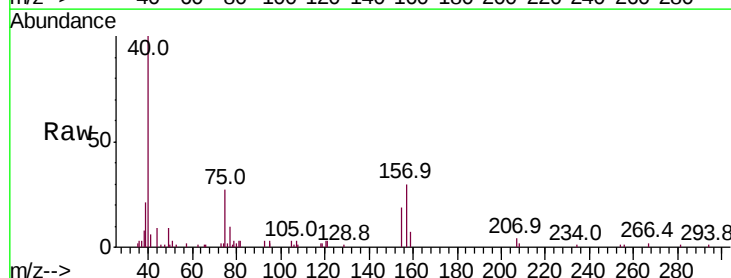
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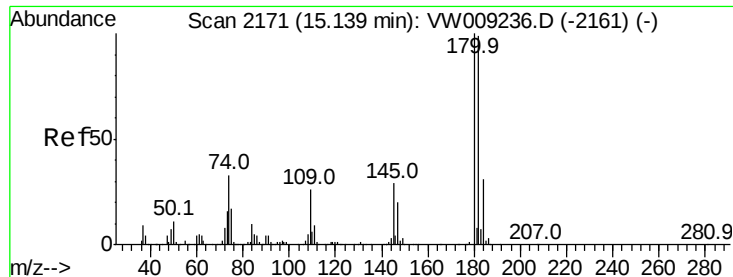
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.780 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	39.3	117.8
157	109.9	49.5	148.5





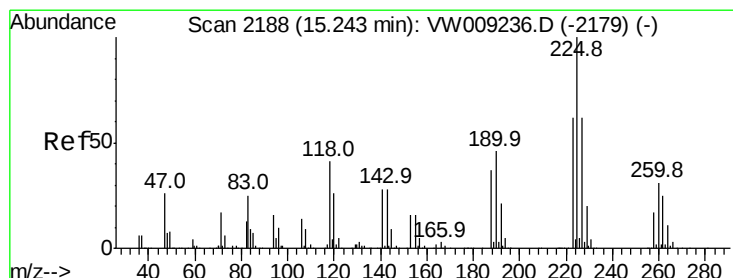
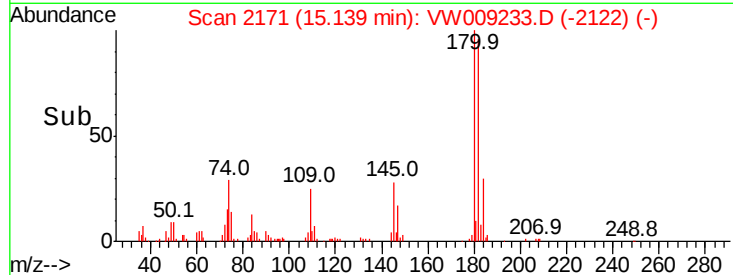
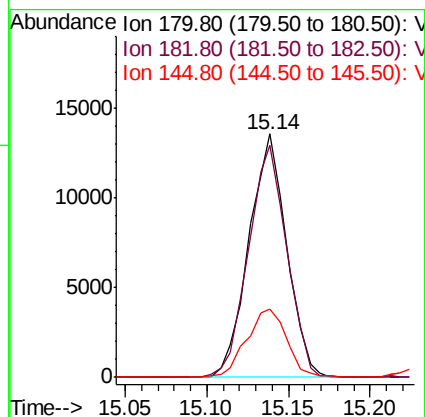
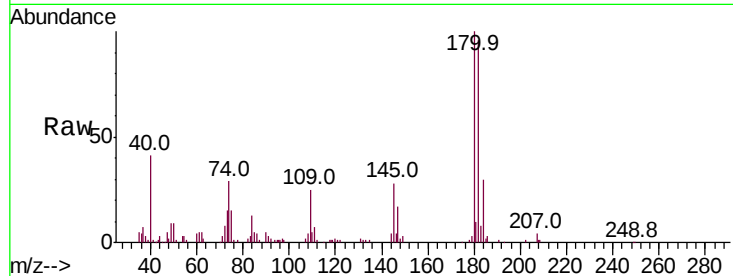
#93
 1,2,4-Trichlorobenzene
 Concen: 4.859 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	180	Resp:	21782
Ion Ratio	Lower	Upper	
180	100		
182	97.2	47.9	143.7
145	29.9	15.0	45.0

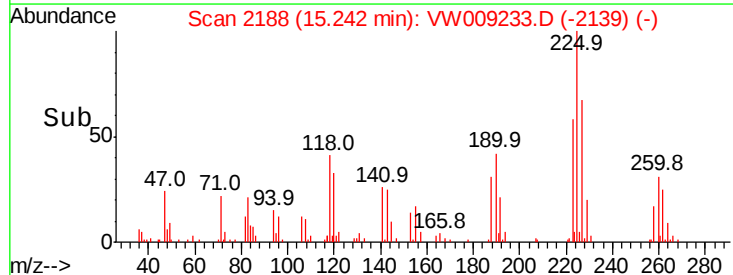
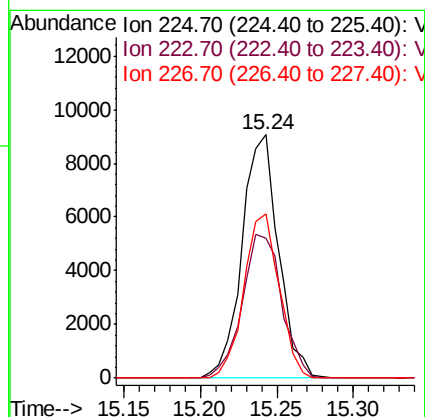
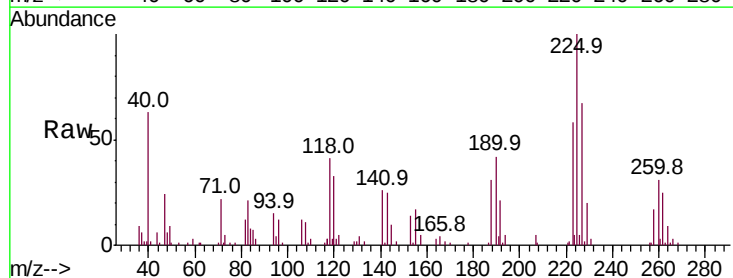
Manual Integrations
 APPROVED

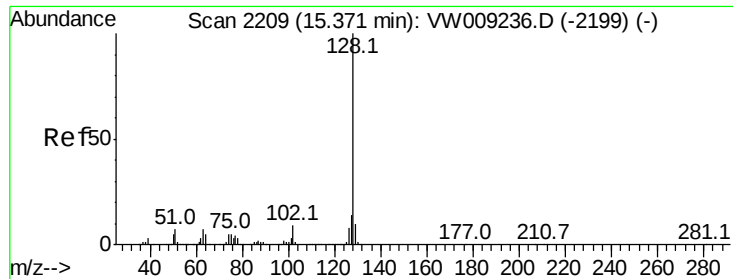
MMDadoda
 3/22/2019 3:52:56 AM



#94
 Hexachlorobutadiene
 Concen: 5.283 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW009233.D
 Acq: 19 Mar 2019 10:57

Tgt Ion:	225	Resp:	15063
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.4	94.3
227	65.1	32.1	96.5





#95

Naphthalene

Concen: 4.025 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Instrument :

MSVOA_W

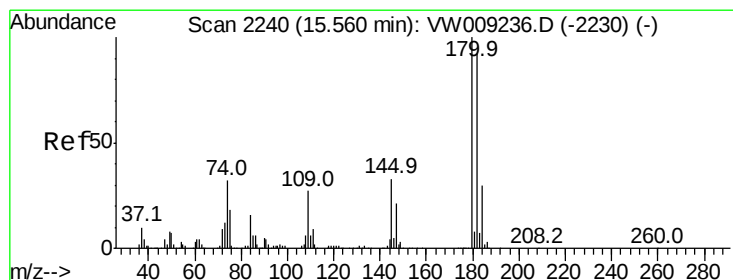
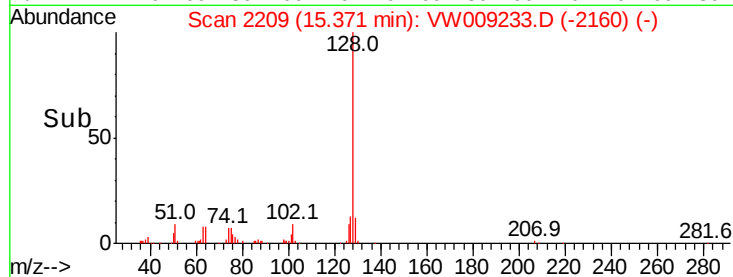
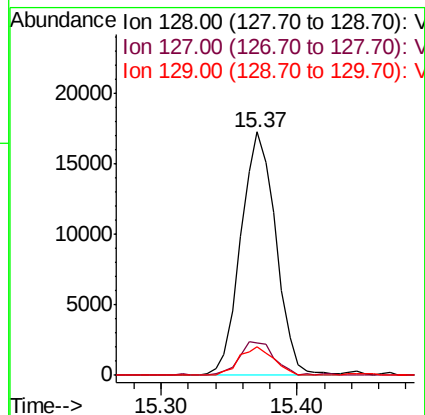
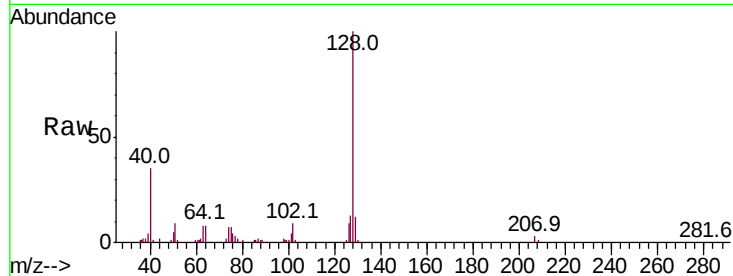
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	31258
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.8	16.2
129	11.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 3:52:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 5.041 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009233.D

Acq: 19 Mar 2019 10:57

Tgt Ion:	180	Resp:	20170
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.3	141.9
145	30.1	16.0	48.0

