

Data File : VW009013.D
Acq On : 06 Mar 2019 11:17
Operator : SY/VA
Sample : VSTDIC010
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:02 AM

Quant Time: Mar 07 07:08:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	301369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	228919	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	27345	9.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.08%	
35) Dibromofluoromethane	7.88	113	23220	9.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.04%	
50) Toluene-d8	10.32	98	101379	9.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.18%	
62) 4-Bromofluorobenzene	12.62	95	37711	9.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	33625	11.232	ug/l	95
3) Chloromethane	2.21	50	38301	10.157	ug/l	99
4) Vinyl Chloride	2.35	62	37365	9.888	ug/l	98
5) Bromomethane	2.76	94	35671	10.750	ug/l	98
6) Chloroethane	2.92	64	25529	9.528	ug/l	98
7) Trichlorofluoromethane	3.26	101	47780	9.816	ug/l	96
8) Diethyl Ether	3.69	74	15010	9.878	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	29296	9.699	ug/l	97
10) Methyl Iodide	4.26	142	21395	7.504	ug/l #	43
11) Tert butyl alcohol	5.19	59	10957	49.544	ug/l	96
12) 1,1-Dichloroethene	4.04	96	24578	9.338	ug/l	93
13) Acrolein	3.90	56	12288	49.564	ug/l	99
14) Allyl chloride	4.67	41	41101	9.032	ug/l	99
15) Acrylonitrile	5.38	53	30775	47.309	ug/l	95
16) Acetone	4.14	43	30643	49.371	ug/l	94
17) Carbon Disulfide	4.38	76	82244	9.324	ug/l	99
18) Methyl Acetate	4.68	43	12600	8.900	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	61040	8.959	ug/l	95
20) Methylene Chloride	4.92	84	43784	12.049	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	27213	9.039	ug/l	90
22) Diisopropyl ether	6.31	45	81277	8.945	ug/l	95
23) Vinyl Acetate	6.26	43	245688	43.413	ug/l	100
24) 1,1-Dichloroethane	6.21	63	48655	9.209	ug/l	97
25) 2-Butanone	7.18	43	39596	44.822	ug/l	99
26) 2,2-Dichloropropane	7.17	77	46292	9.578	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	29387	9.272	ug/l	97
28) Bromochloromethane	7.51	49	22676	9.887	ug/l	98
29) Tetrahydrofuran	7.53	42	25232	45.464	ug/l	96
30) Chloroform	7.68	83	50254	9.290	ug/l	98
31) Cyclohexane	7.96	56	54072	9.952	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	47264	9.513	ug/l	98
36) 1,1-Dichloropropene	8.08	75	41364	9.732	ug/l	100
37) Ethyl Acetate	7.26	43	17713	9.422	ug/l	99
38) Carbon Tetrachloride	8.07	117	41704	9.481	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	48474	9.441	ug/l	96
40) Benzene	8.32	78	110589	9.646	ug/l	98
41) Methacrylonitrile	7.49	41	11285	10.120	ug/l	91
42) 1,2-Dichloroethane	8.40	62	34940	9.496	ug/l	98
43) Isopropyl Acetate	8.43	43	33673	9.111	ug/l	98
44) Trichloroethene	9.09	130	31084	9.724	ug/l	90
45) 1,2-Dichloropropane	9.37	63	27376	9.632	ug/l	95
46) Dibromomethane	9.46	93	14494	9.244	ug/l	95
47) Bromodichloromethane	9.65	83	37223	9.470	ug/l	98
48) Methyl methacrylate	9.44	41	16113	9.227	ug/l	92
49) 1,4-Dioxane	9.46	88	4336	202.291	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	84634	45.286	ug/l	98
52) Toluene	10.39	92	72810	9.408	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	34593	8.872	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	41790	9.388	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	20415	9.586	ug/l	96
56) Ethyl methacrylate	10.65	69	22914	8.698	ug/l	98
57) 1,3-Dichloropropane	10.93	76	36186	9.663	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	62889	44.991	ug/l	97
59) 2-Hexanone	10.97	43	59211	45.067	ug/l	96
60) Dibromochloromethane	11.13	129	23997	9.277	ug/l	96
61) 1,2-Dibromoethane	11.24	107	18958	9.392	ug/l	97
64) Tetrachloroethene	10.87	164	29202	10.109	ug/l	88
65) Chlorobenzene	11.66	112	85027	9.792	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	27450	9.413	ug/l	97
67) Ethyl Benzene	11.73	91	148143	9.409	ug/l	94
68) m/p-Xylenes	11.84	106	116236	18.710	ug/l	99
69) o-Xylene	12.16	106	52591	9.068	ug/l	97
70) Styrene	12.18	104	86653	9.223	ug/l	99
71) Bromoform	12.35	173	14025	9.026	ug/l #	98
73) Isopropylbenzene	12.46	105	145646	9.295	ug/l	98
74) N-amyl acetate	12.27	43	33030	8.854	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	23063	9.437	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	15951m	6.447	ug/l	
77) Bromobenzene	12.74	156	35136	9.905	ug/l	98
78) n-propylbenzene	12.80	91	177664	9.236	ug/l	99
79) 2-Chlorotoluene	12.89	91	103622	9.540	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	122761	9.129	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	6213	8.300	ug/l	93
82) 4-Chlorotoluene	12.99	91	110117	9.531	ug/l	100
83) tert-Butylbenzene	13.21	119	111255	9.602	ug/l	94
84) 1,2,4-Trimethylbenzene	13.26	105	128609	9.342	ug/l	99
85) sec-Butylbenzene	13.38	105	157557	9.322	ug/l	99
86) p-Isopropyltoluene	13.50	119	139075	9.141	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	73319	9.655	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	74859	9.939	ug/l	98
89) n-Butylbenzene	13.83	91	130116	9.034	ug/l	99
90) Hexachloroethane	14.10	117	24371	9.351	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	65788	9.902	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4510	10.096	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030619\
Quantitation Report (QT Reviewed)

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	43777	9.622	ug/l	99
94) Hexachlorobutadiene	15.24	225	30415	10.518	ug/l	99
95) Naphthalene	15.37	128	64956	8.806	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	37920	9.627	ug/l	99

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

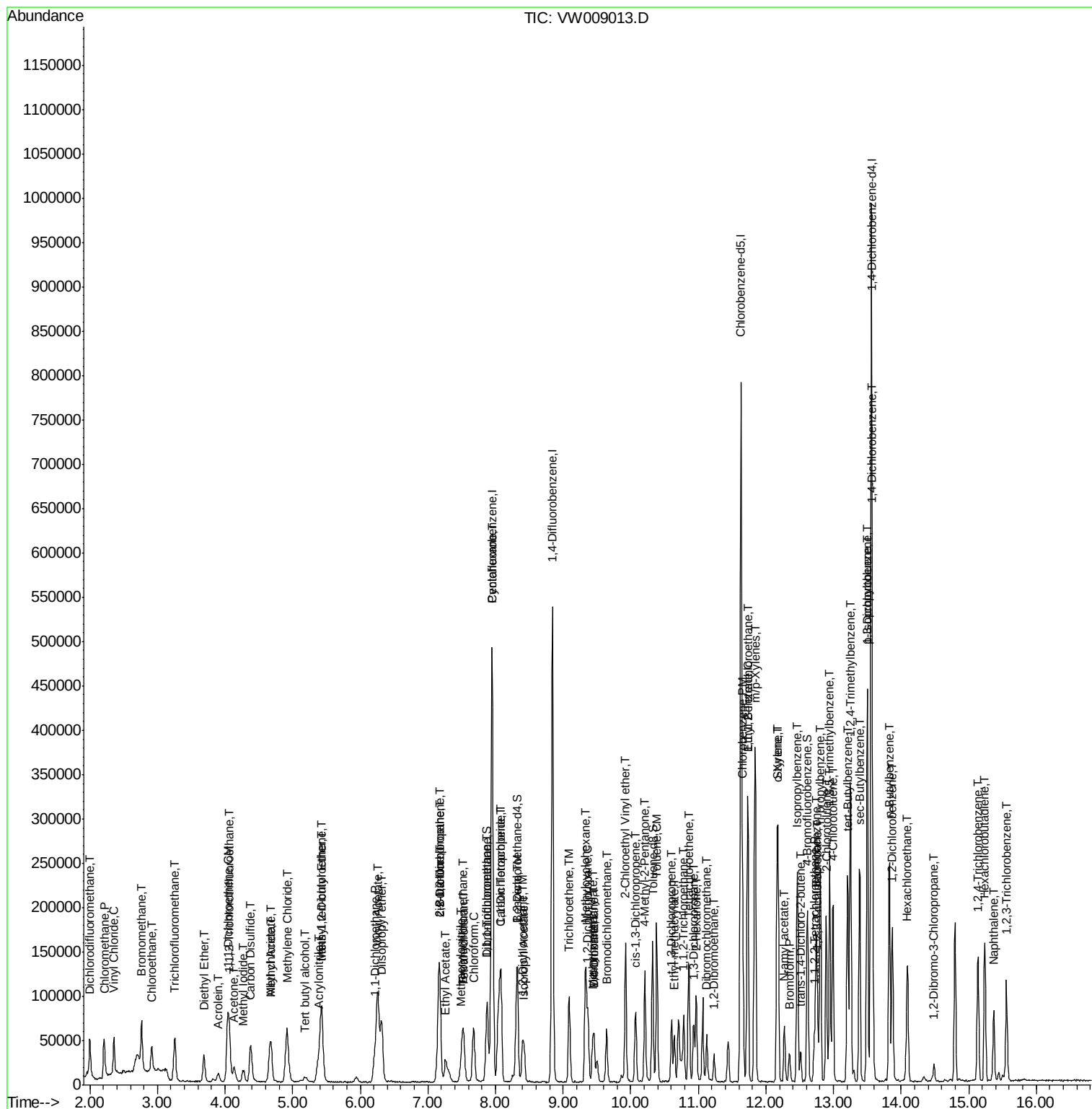
Data File : VW009013.D
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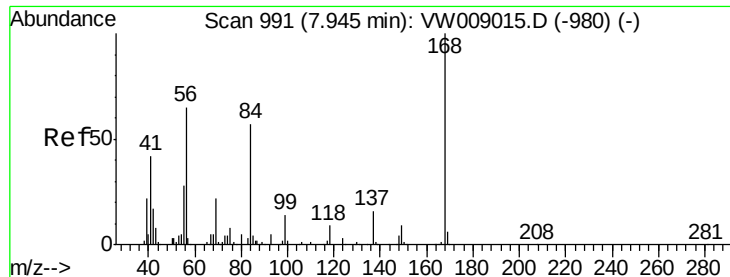
Instrument :
MSVOA_W
Client Sample Id :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tgt Ion:168 Resp: 301369

Ion Ratio Lower Upper

168 100

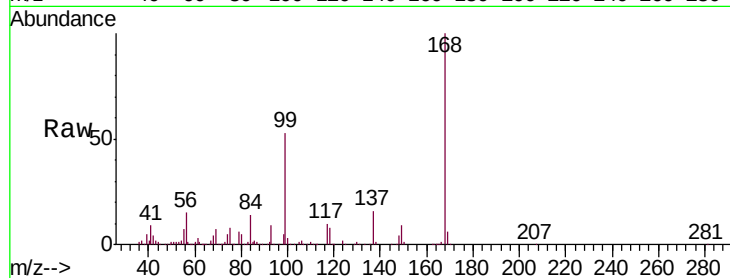
99 53.0 43.5 65.3

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:07:02 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

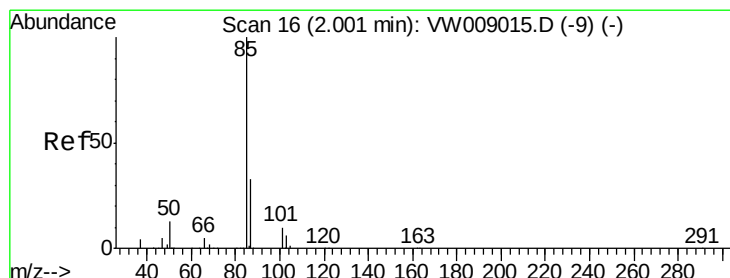
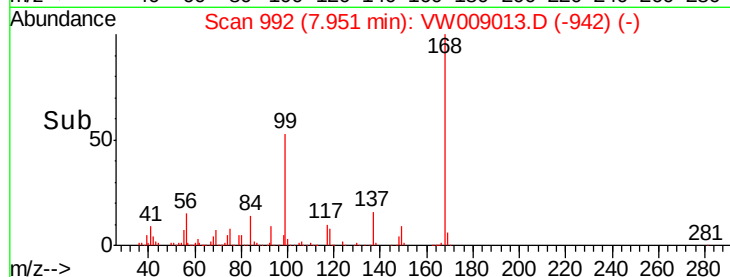
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 11.232 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW009013.D

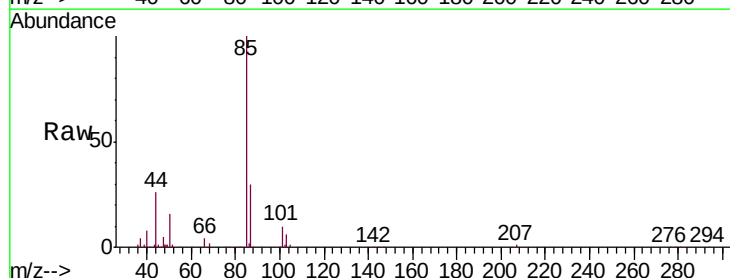
Acq: 06 Mar 2019 11:17

Tgt Ion: 85 Resp: 33625

Ion Ratio Lower Upper

85 100

87 30.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

25000

20000

15000

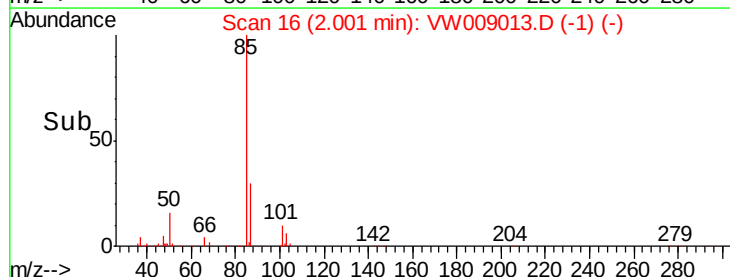
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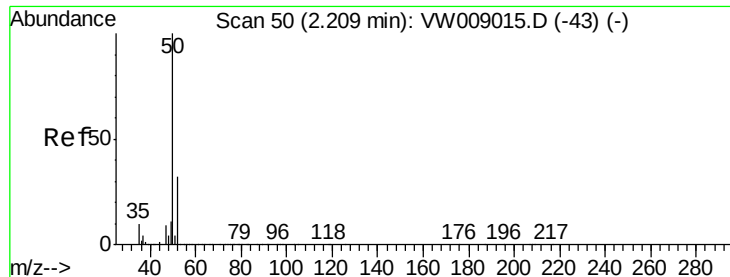
5000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 10.157 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 50 Resp: 38301

Ion Ratio Lower Upper

50 100

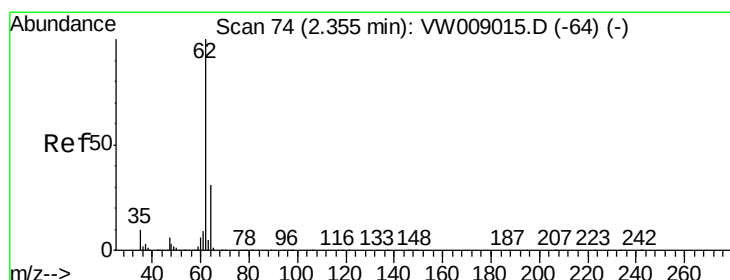
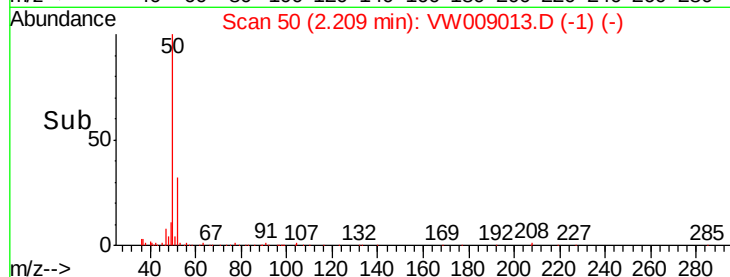
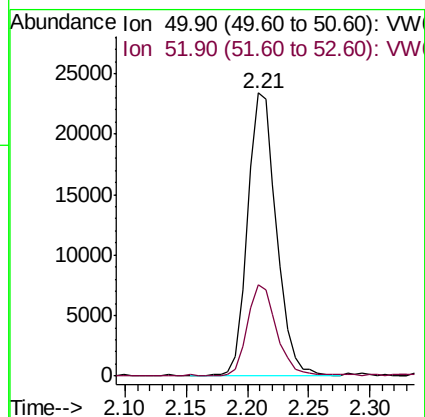
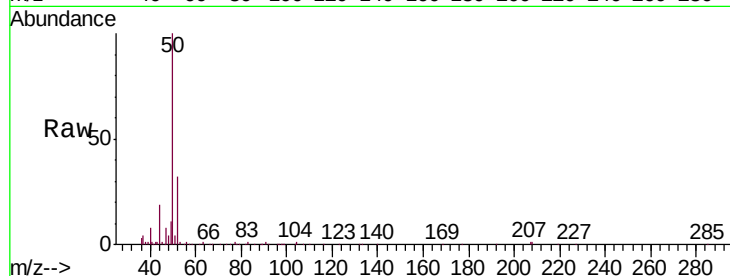
52 32.0 25.3 37.9

Manual Integrations

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3/8/2019 12:07:02 AM



#4

Vinyl Chloride

Concen: 9.888 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009013.D

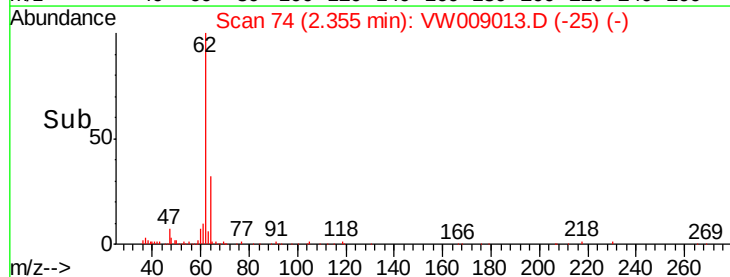
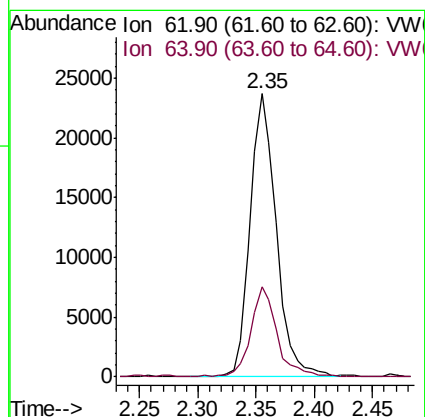
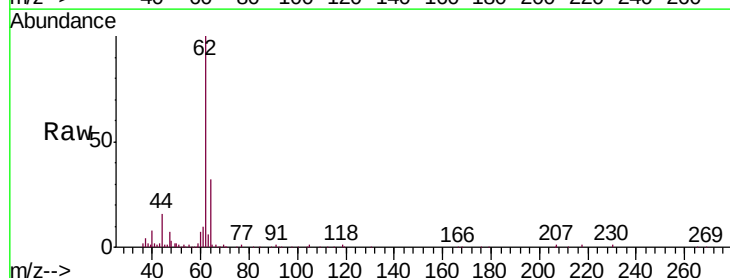
Acq: 06 Mar 2019 11:17

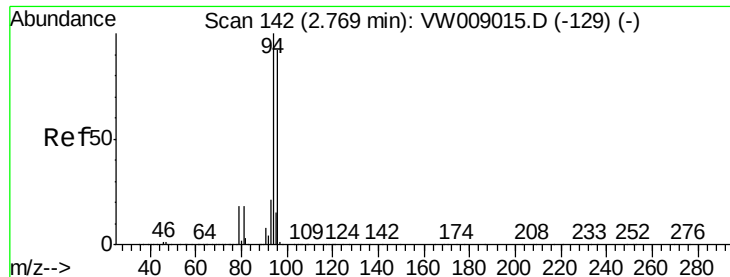
Tgt Ion: 62 Resp: 37365

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8





#5

Bromomethane

Concen: 10.750 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 94 Resp: 35671

Ion Ratio Lower Upper

94 100

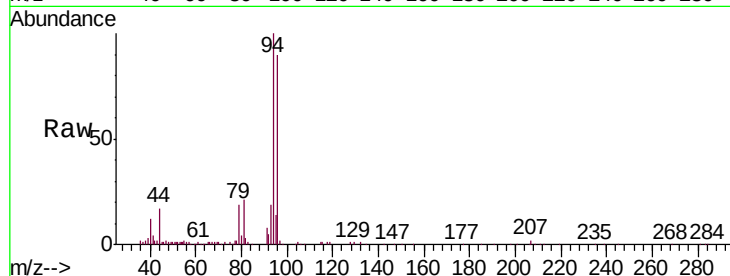
96 90.0 73.4 110.0

Manual Integrations

APPROVED

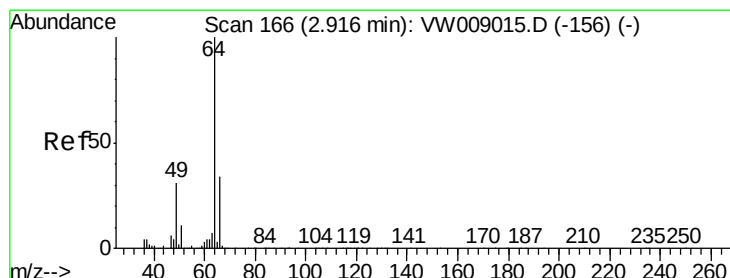
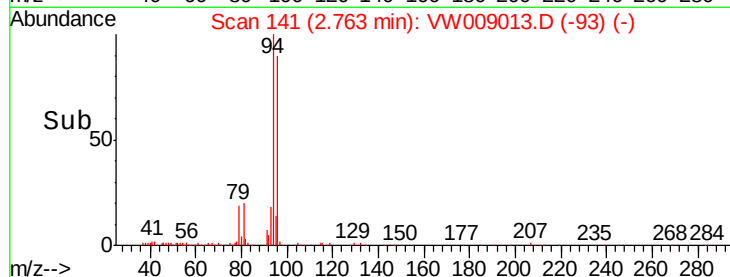
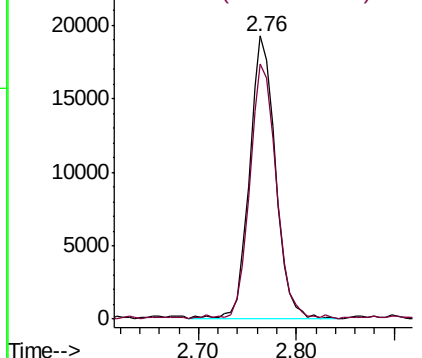
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3/8/2019 12:07:02 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 9.528 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009013.D

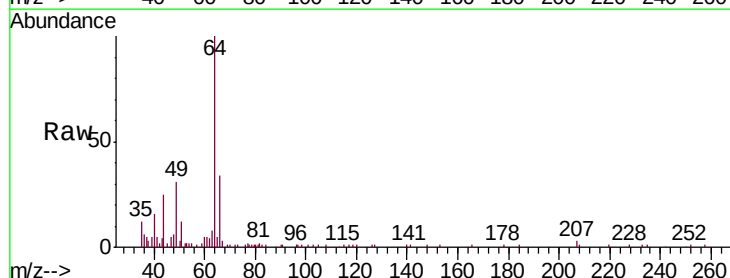
Acq: 06 Mar 2019 11:17

Tgt Ion: 64 Resp: 25529

Ion Ratio Lower Upper

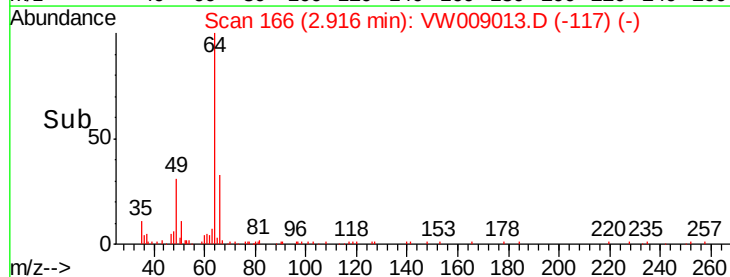
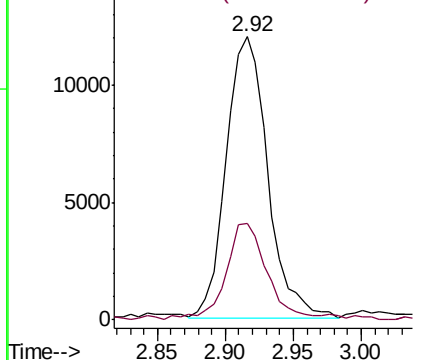
64 100

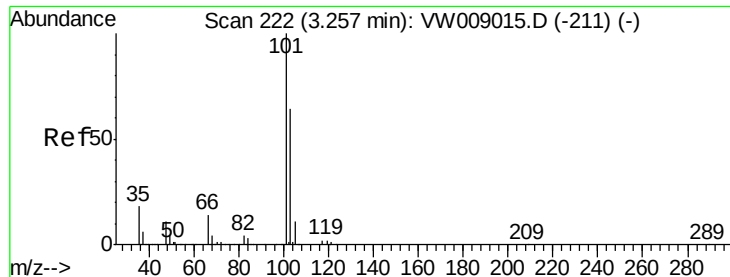
66 32.8 27.2 40.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

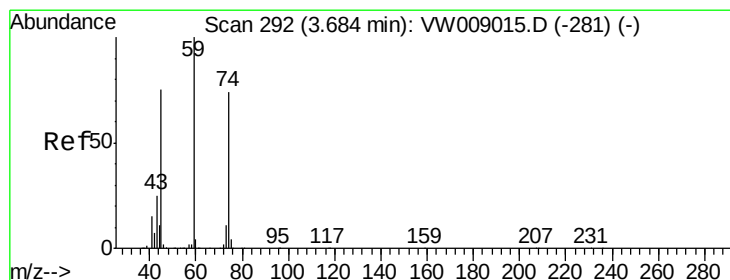
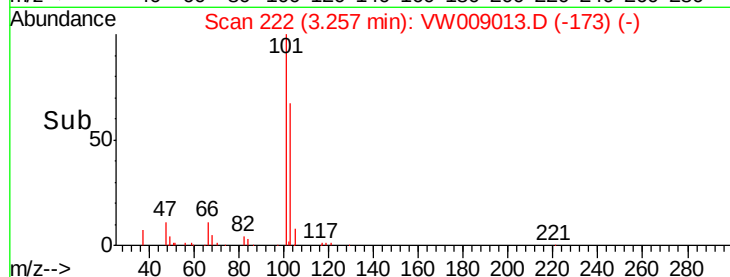
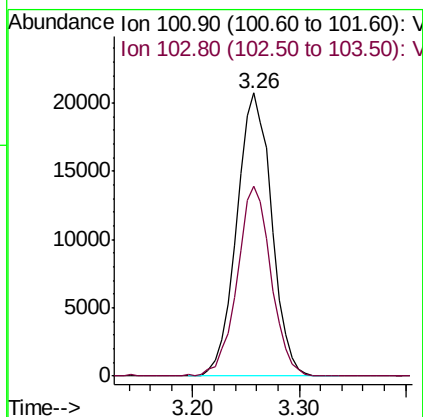
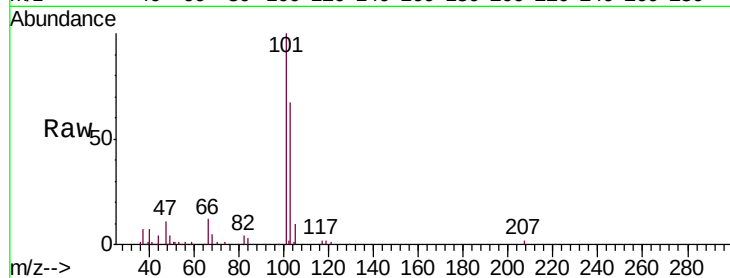
Trichlorofluoromethane
 Concen: 9.816 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.1	76.7

Manual Integrations
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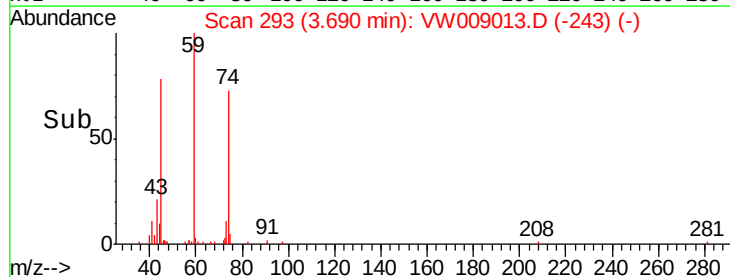
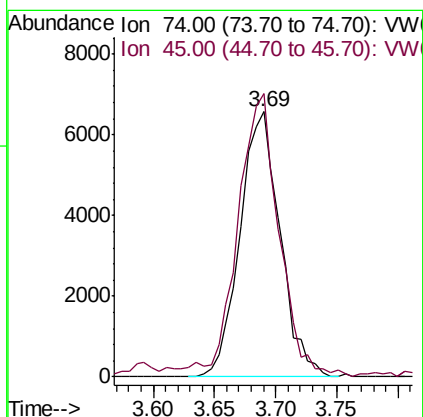
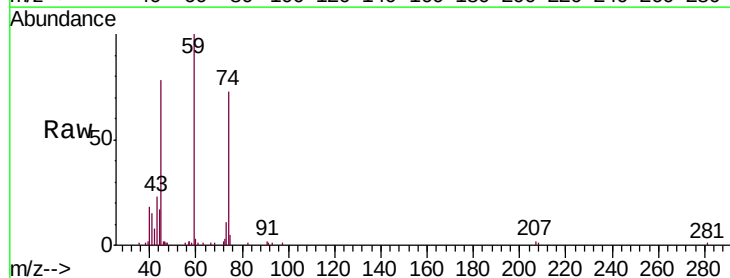
MMDadoda
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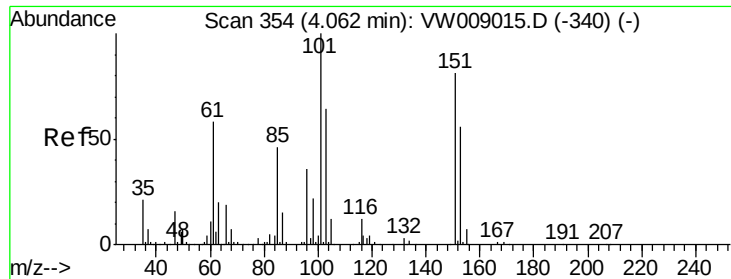


#8

Diethyl Ether
 Concen: 9.878 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.5	48.8	146.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.699 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009013.D

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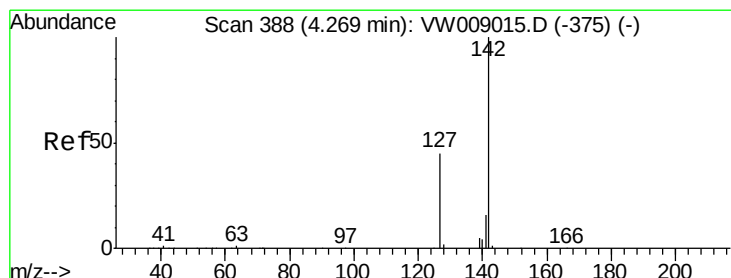
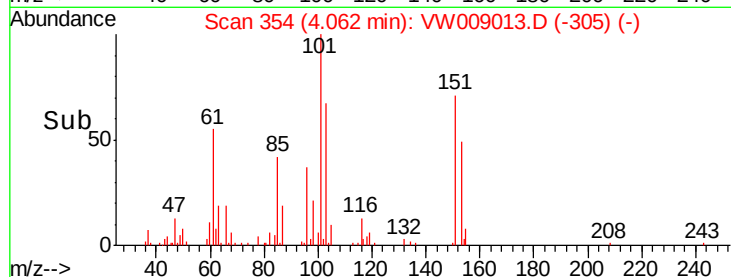
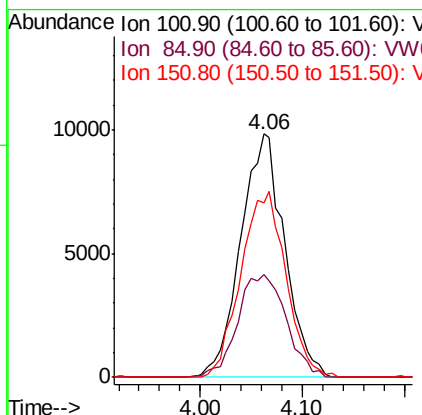
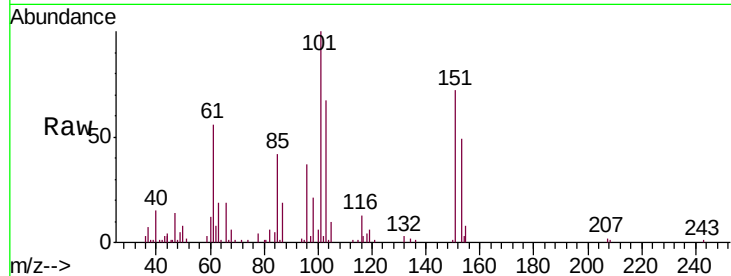
ClientSampleId :

VSTDIC010

Tgt Ion:	101	Resp:	29296
Ion Ratio	Lower	Upper	
101	100		
85	46.6	36.6	55.0
151	78.6	66.0	99.0

Manual Integrations
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#10

Methyl Iodide

Concen: 7.504 ug/l

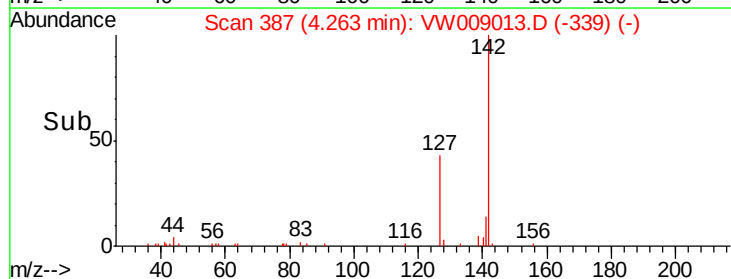
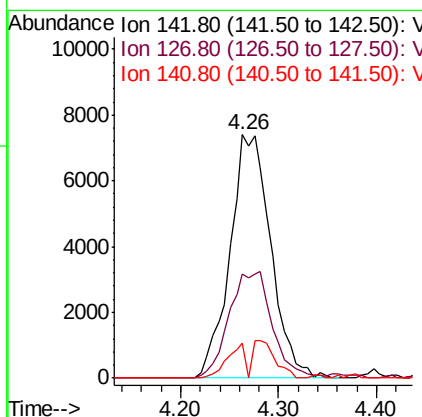
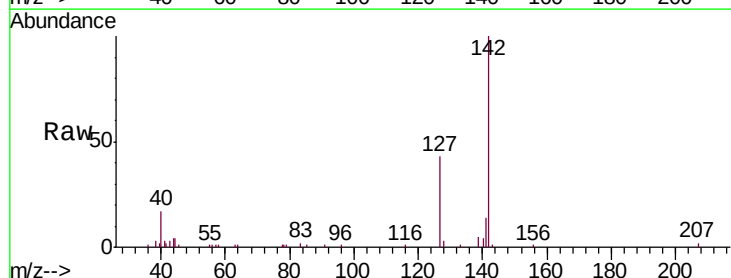
RT: 4.26 min Scan# 387

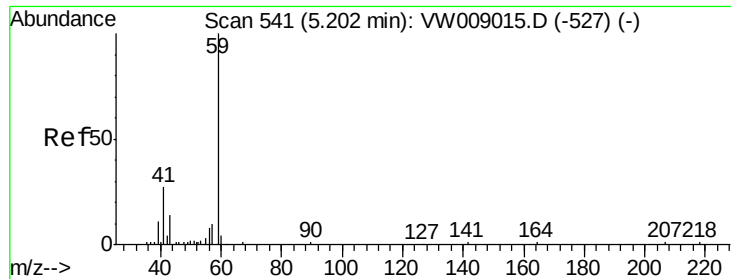
Delta R.T. -0.01 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Tgt Ion:	142	Resp:	21395
Ion Ratio	Lower	Upper	
142	100		
127	0.0	36.2	54.2#
141	6.2	12.3	18.5#





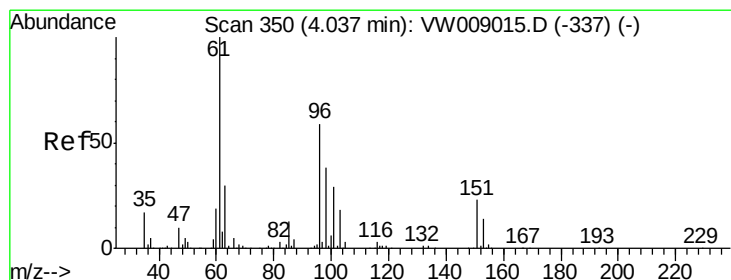
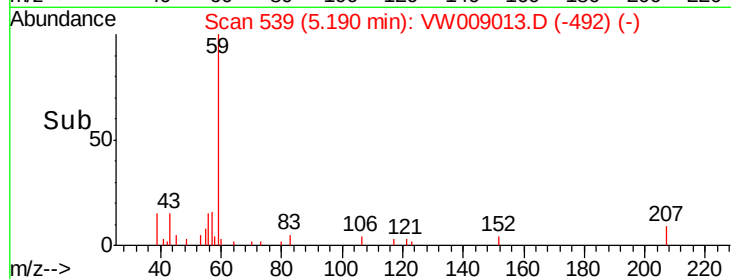
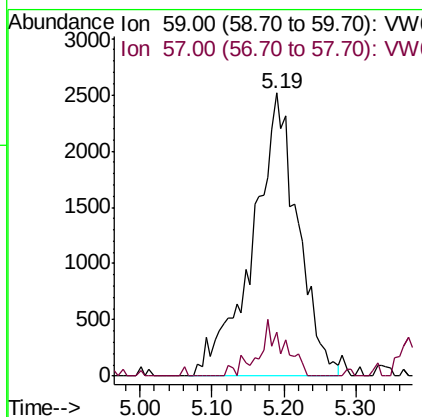
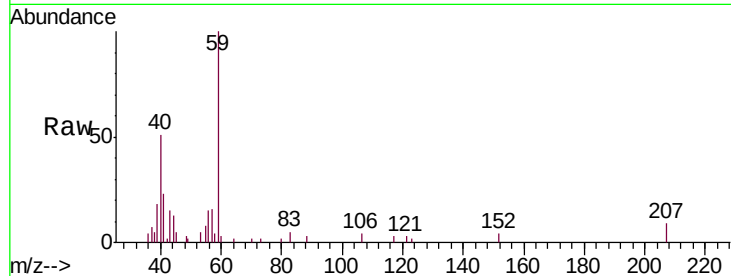
#11
Tert butyl alcohol
Concen: 49.544 ug/l
RT: 5.19 min Scan# 539
Delta R.T. -0.01 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	9.0	13.6

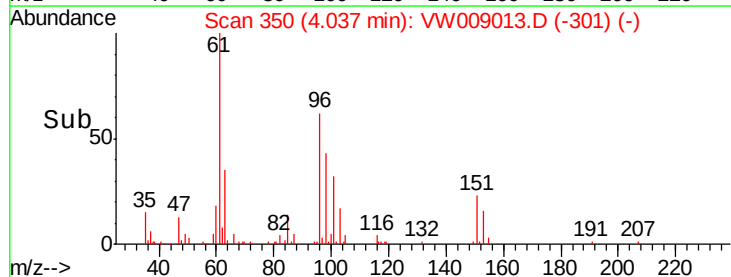
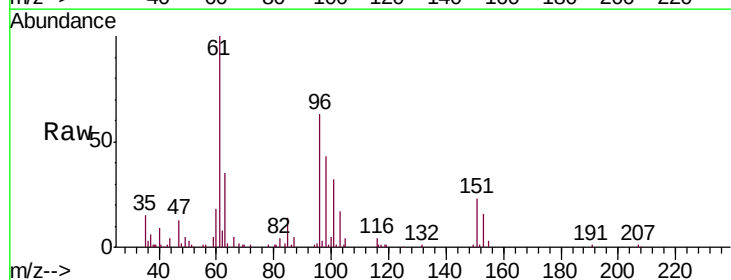
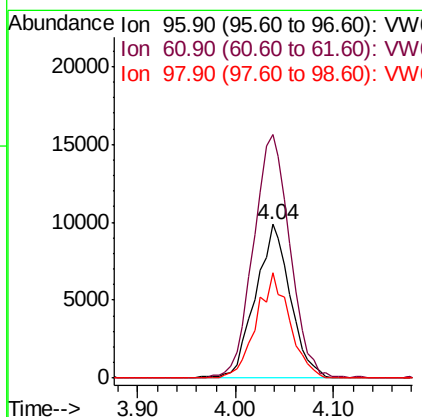
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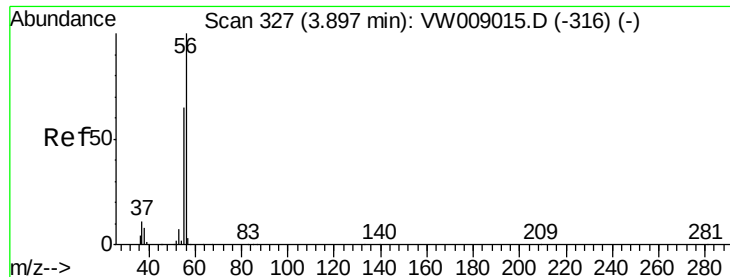
MMDadoda
3/8/2019 12:07:02 AM



#12
1,1-Dichloroethene
Concen: 9.338 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.2	135.8	203.6
98	68.2	51.6	77.4





#13

Acrolein

Concen: 49.564 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tgt Ion: 56 Resp: 12288

Ion Ratio Lower Upper

56 100

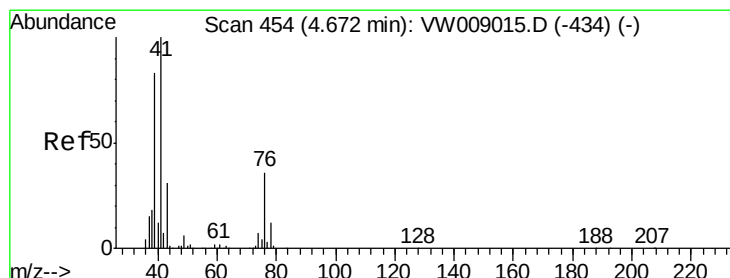
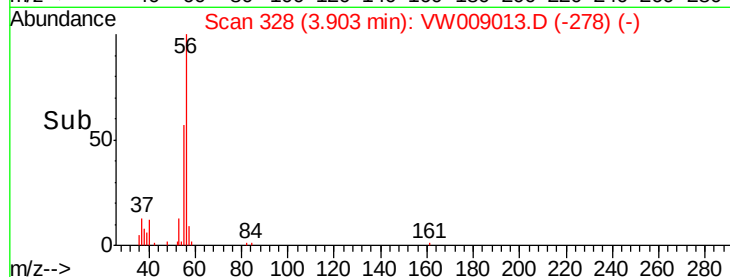
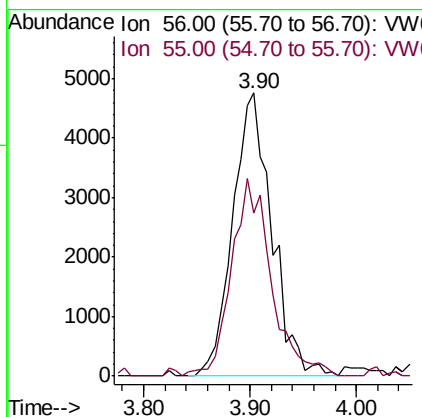
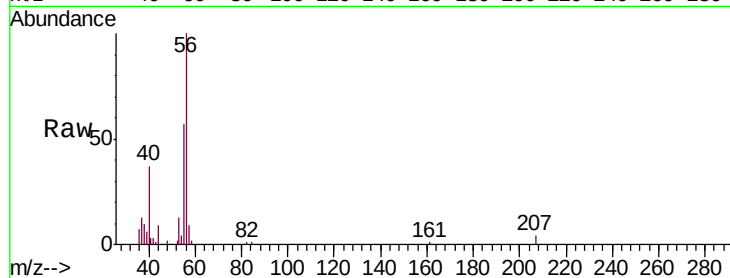
55 70.6 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 9.032 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

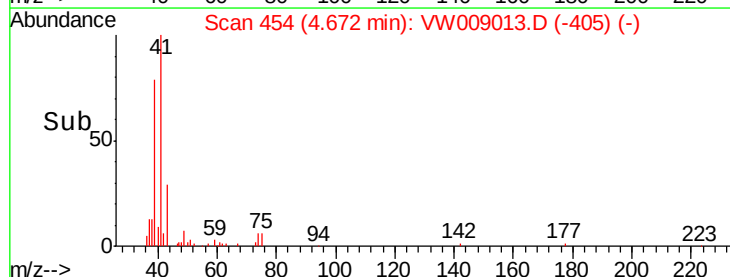
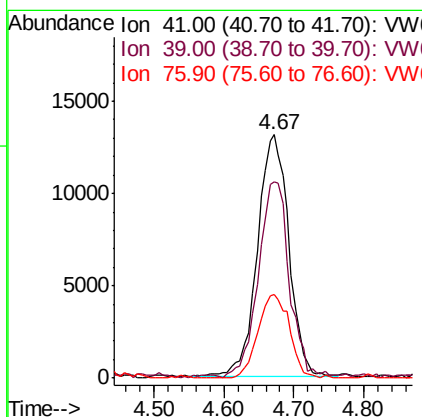
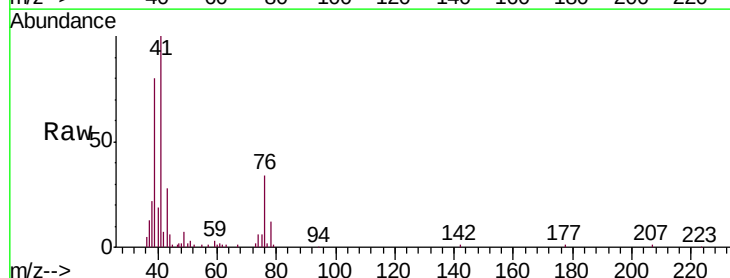
Tgt Ion: 41 Resp: 41101

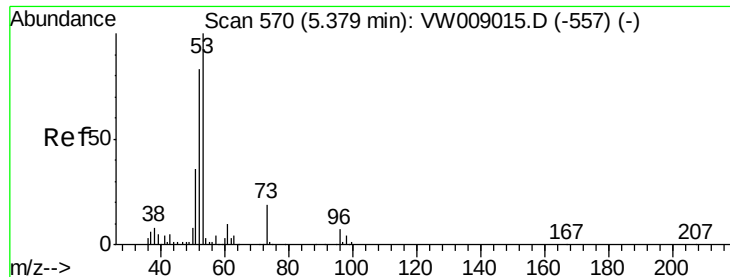
Ion Ratio Lower Upper

41 100

39 80.6 63.6 95.4

76 34.3 27.9 41.9





#15

Acrylonitrile

Concen: 47.309 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

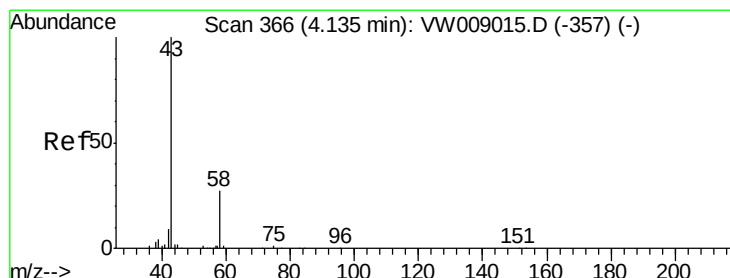
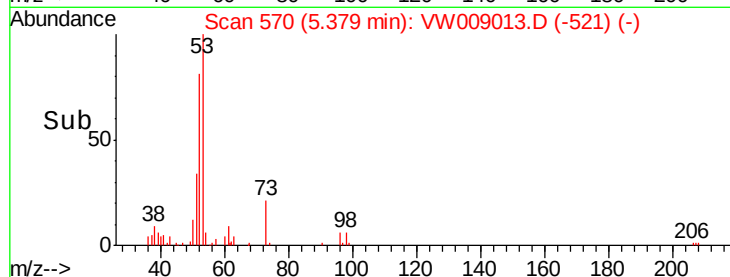
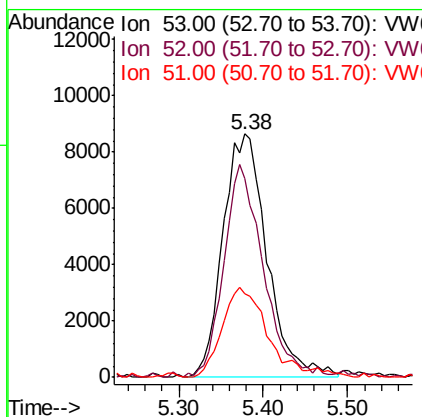
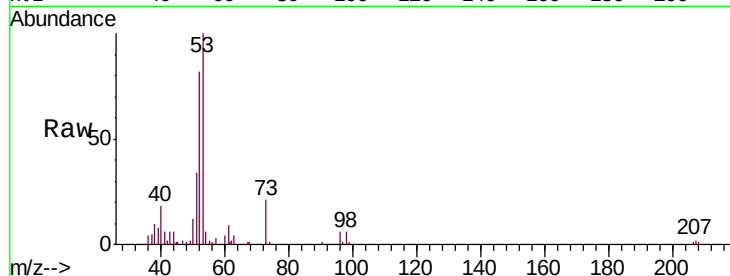
ClientSampleId :

VSTDIC010

Tgt Ion:	53	Resp:	30775
Ion	Ratio	Lower	Upper
53	100		
52	77.4	66.6	100.0
51	37.2	30.6	45.8

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#16

Acetone

Concen: 49.371 ug/l

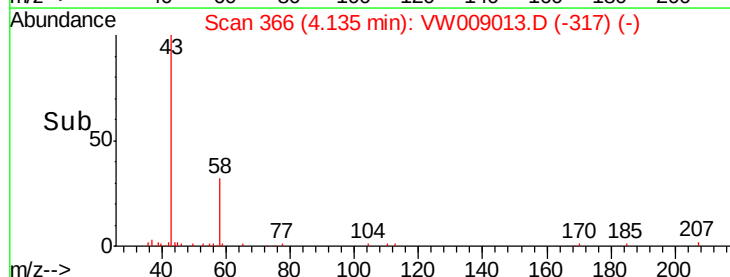
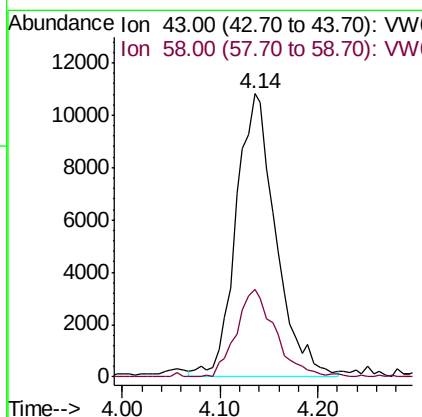
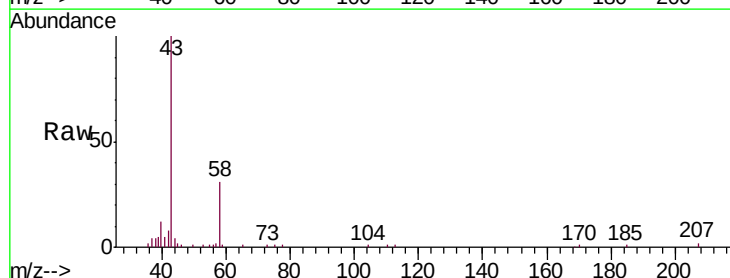
RT: 4.14 min Scan# 366

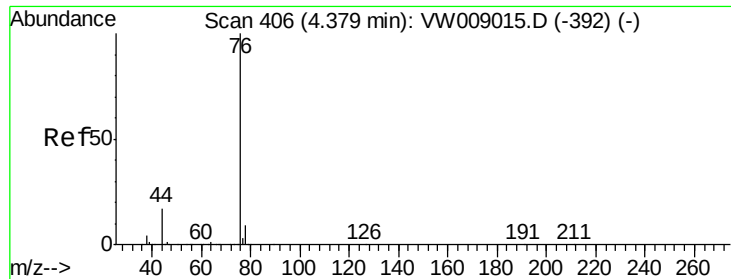
Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Tgt Ion:	43	Resp:	30643
Ion	Ratio	Lower	Upper
43	100		
58	30.2	21.6	32.4





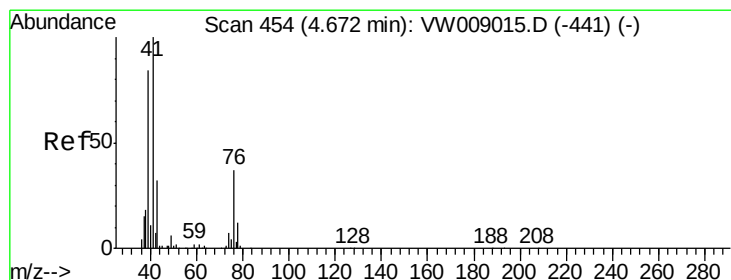
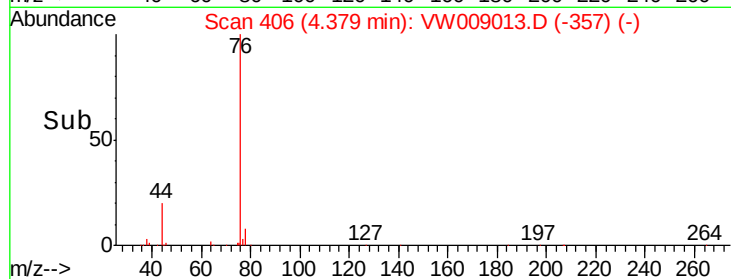
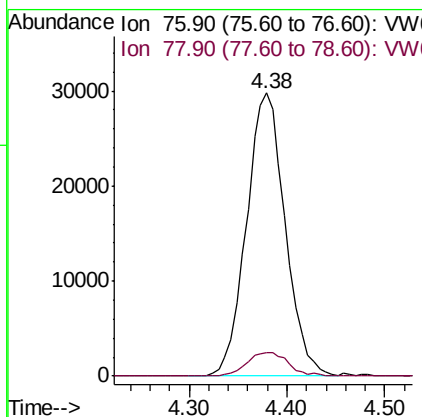
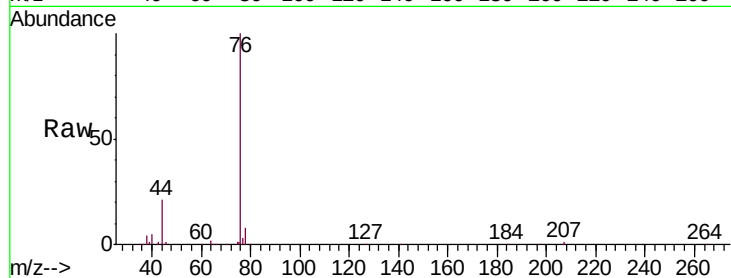
#17
Carbon Disulfide
Concen: 9.324 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.4	6.9	10.3

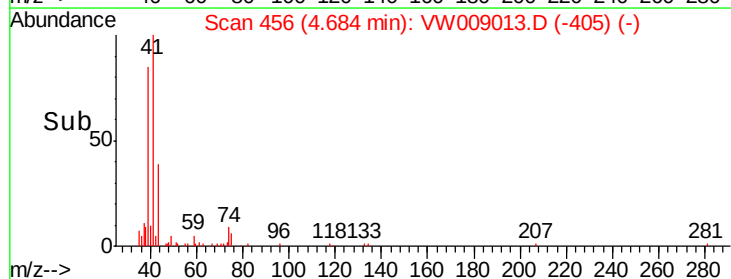
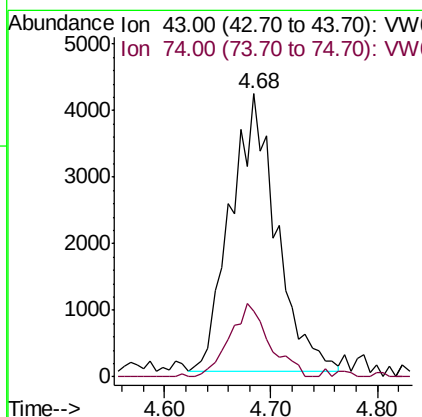
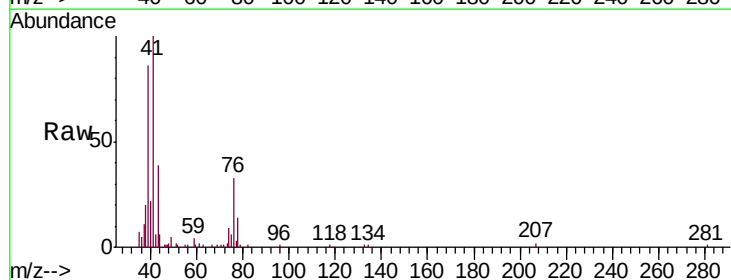
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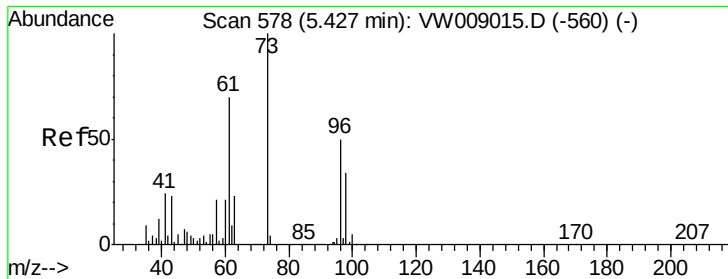
MMDadoda
3/8/2019 12:07:02 AM



#18
Methyl Acetate
Concen: 8.900 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.7	26.5





#19

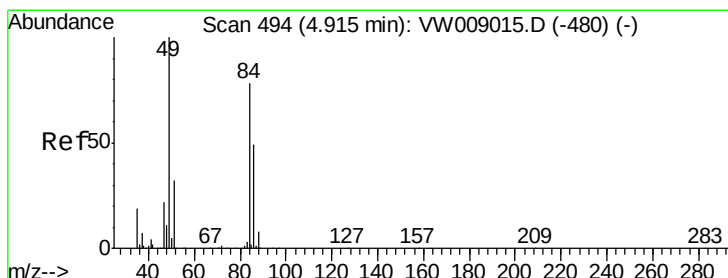
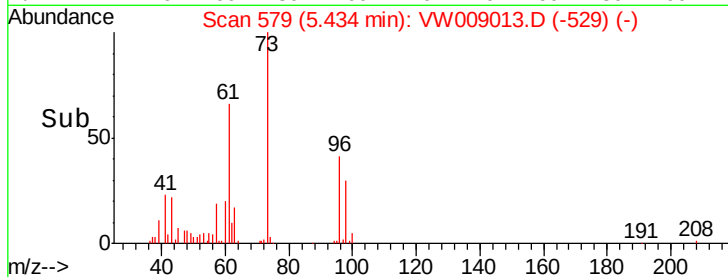
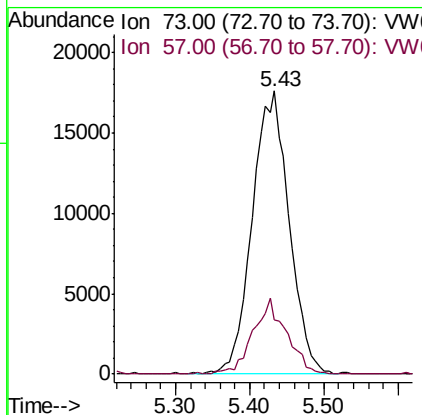
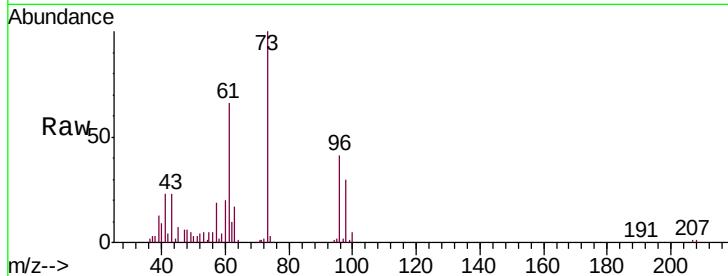
Methyl tert-butyl Ether
 Concen: 8.959 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.2	17.0	25.6

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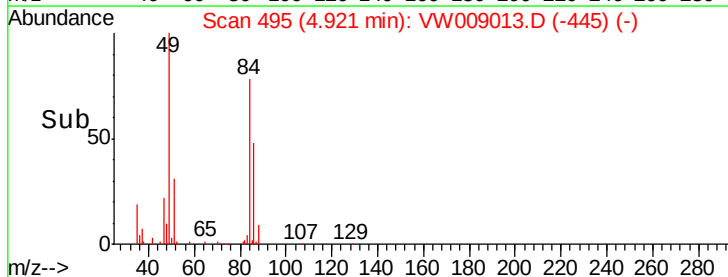
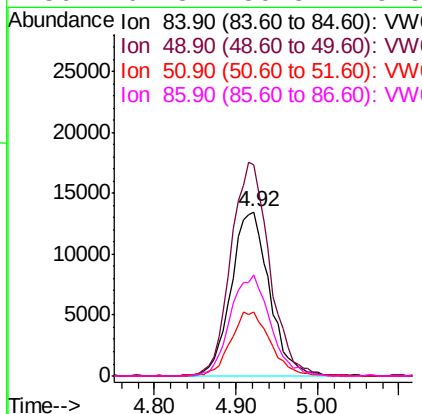
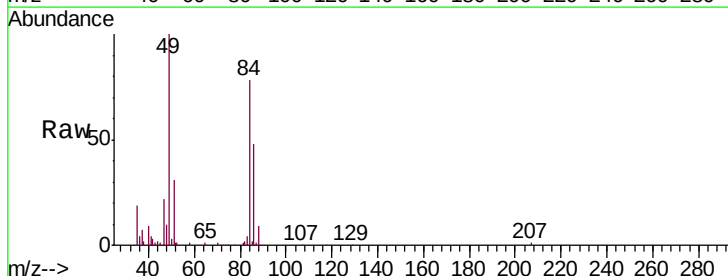
MMDadoda
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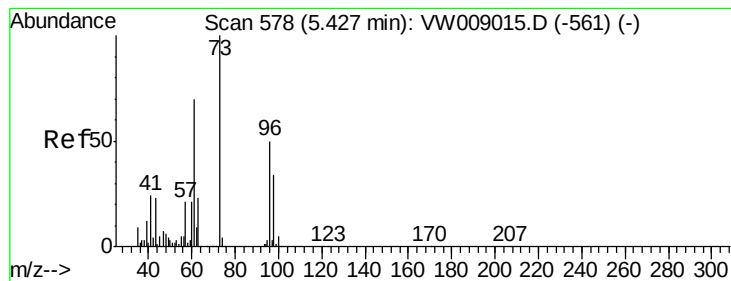


#20

Methylene Chloride
 Concen: 12.049 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.8	102.8	154.2
51	38.4	32.4	48.6
86	61.8	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 9.039 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

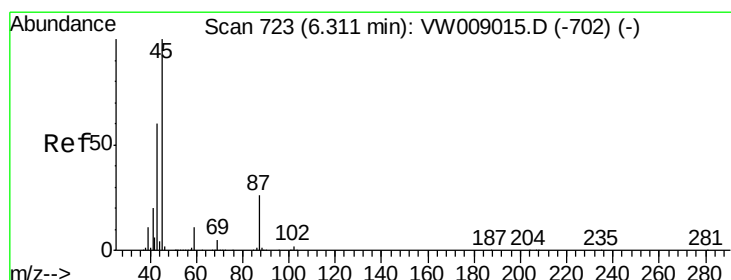
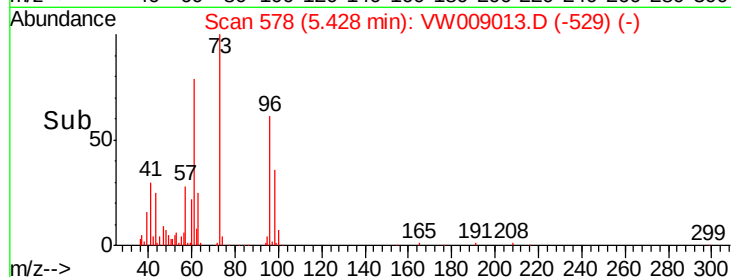
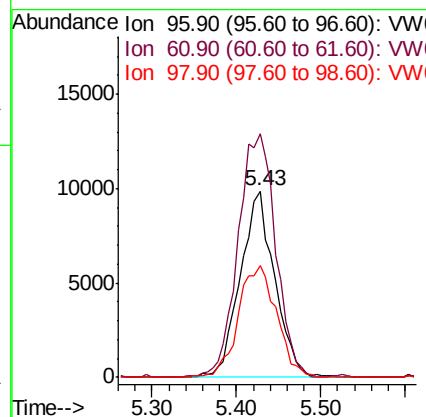
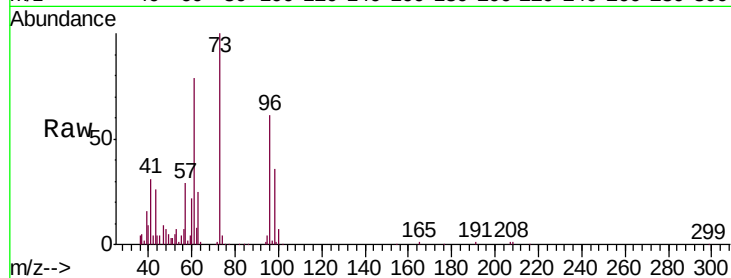
ClientSampleId :

VSTDIC010

Tgt Ion:	96	Resp:	27213
Ion	Ratio	Lower	Upper
96	100		
61	130.0	113.2	169.8
98	60.1	55.7	83.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 8.945 ug/l

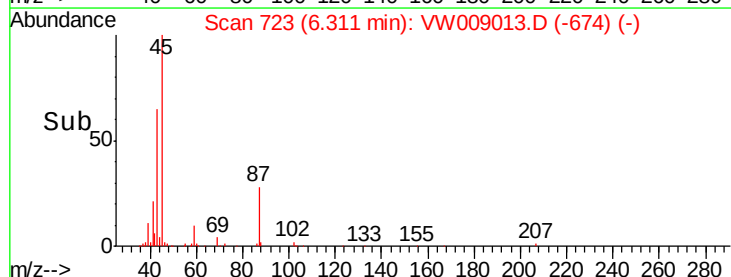
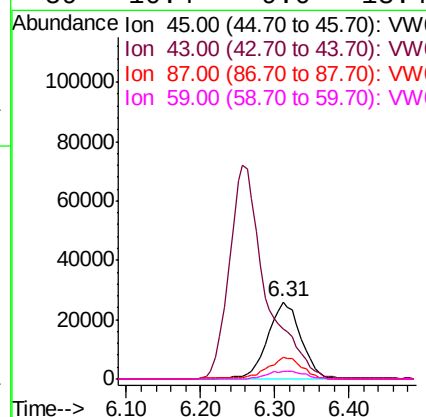
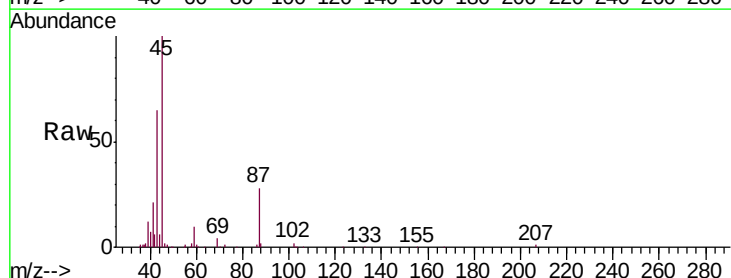
RT: 6.31 min Scan# 723

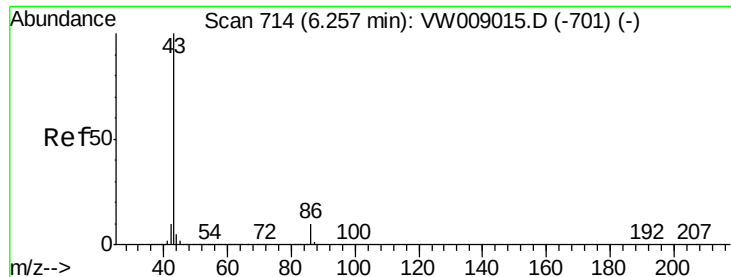
Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Tgt Ion:	45	Resp:	81277
Ion	Ratio	Lower	Upper
45	100		
43	64.8	48.1	72.1
87	27.6	20.9	31.3
59	10.4	9.0	13.4





#23

Vinyl Acetate

Concen: 43.413 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC010

Tgt Ion: 43 Resp: 245688

Ion Ratio Lower Upper

43 100

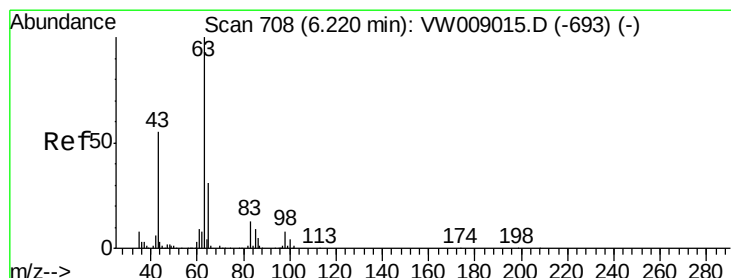
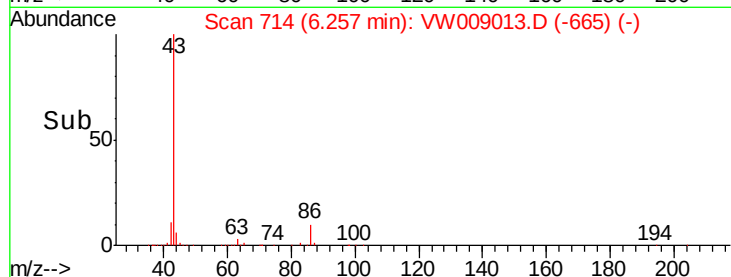
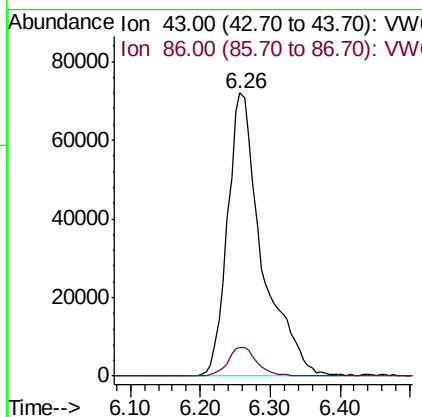
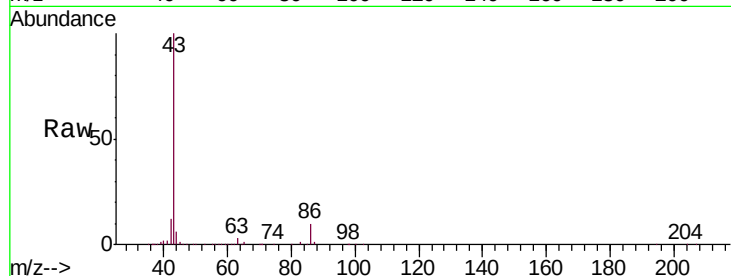
86 10.0 8.0 12.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 9.209 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

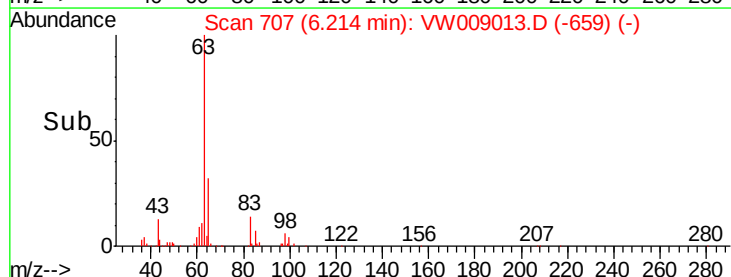
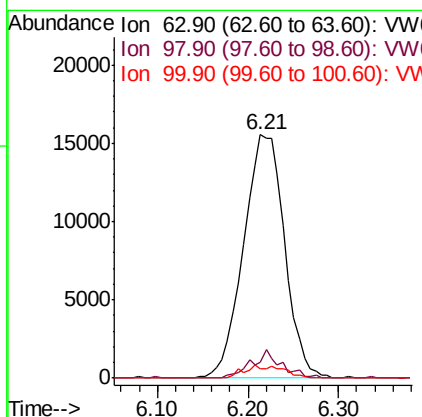
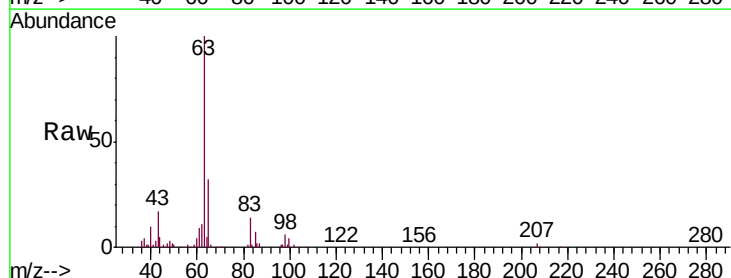
Tgt Ion: 63 Resp: 48655

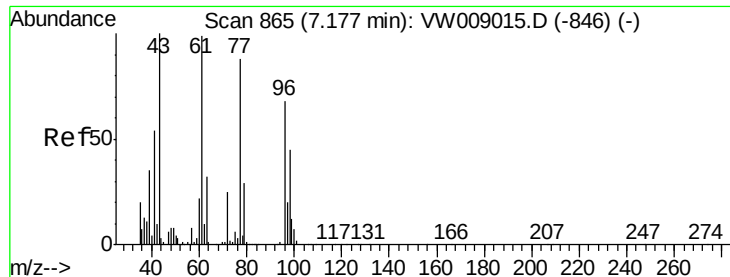
Ion Ratio Lower Upper

63 100

98 6.4 4.0 12.2

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 44.822 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tgt Ion: 43 Resp: 39596

Ion Ratio Lower Upper

43 100

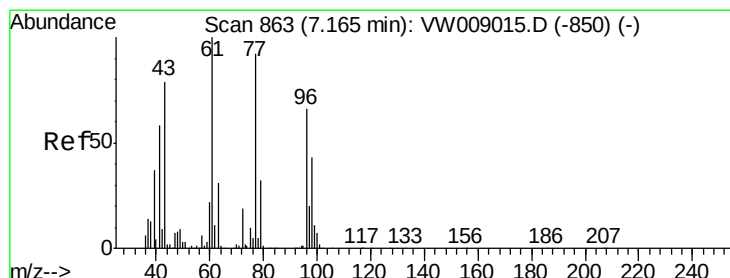
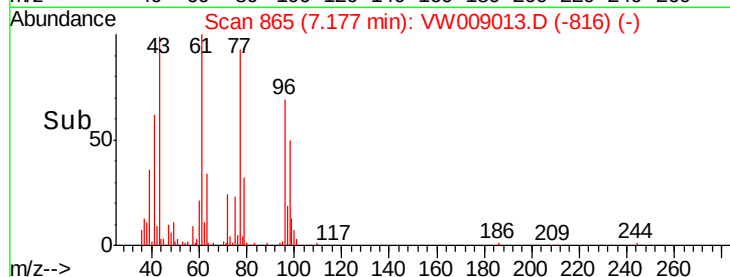
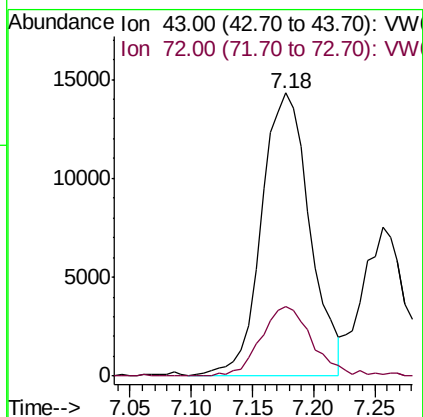
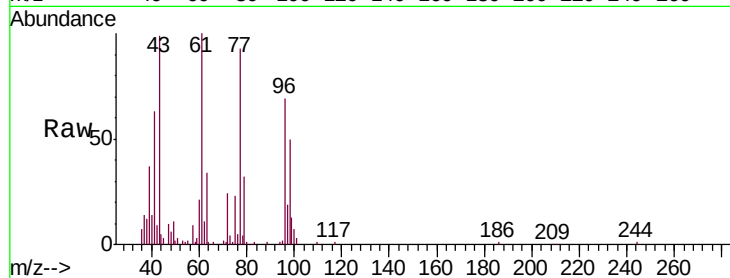
72 24.7 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 9.578 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009013.D

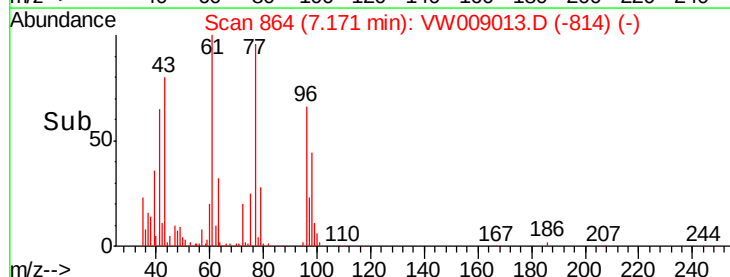
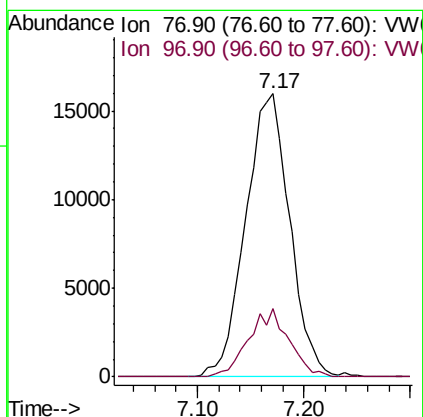
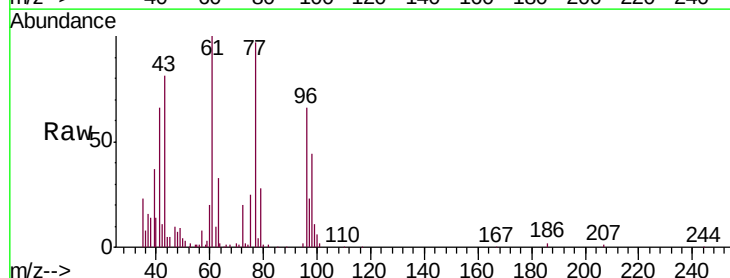
Acq: 06 Mar 2019 11:17

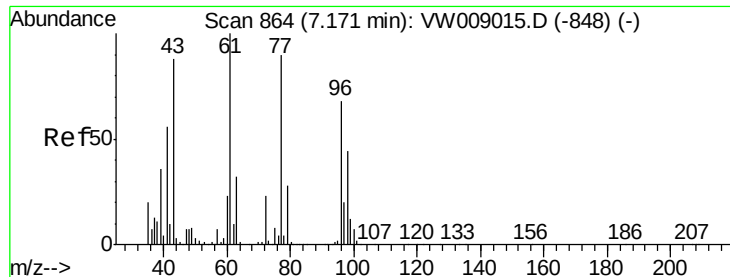
Tgt Ion: 77 Resp: 46292

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1





#27

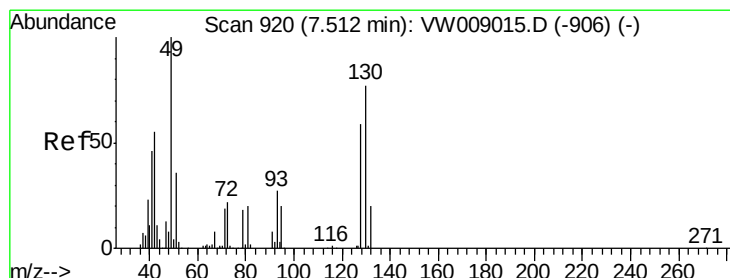
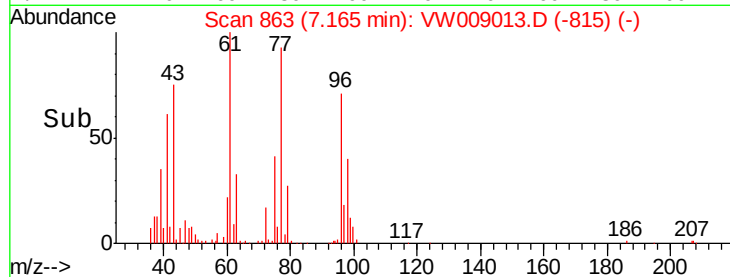
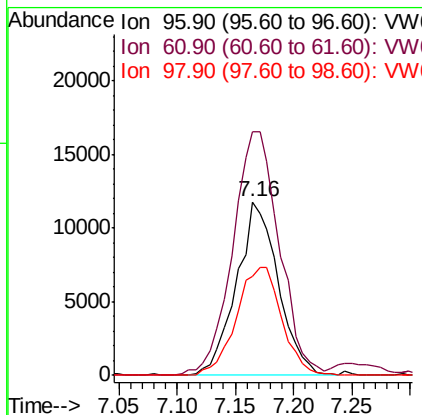
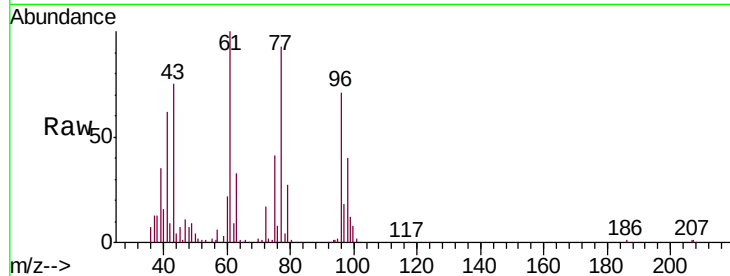
cis-1,2-Dichloroethene
Concen: 9.272 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.1	0.0	303.6
98	67.5	0.0	129.0

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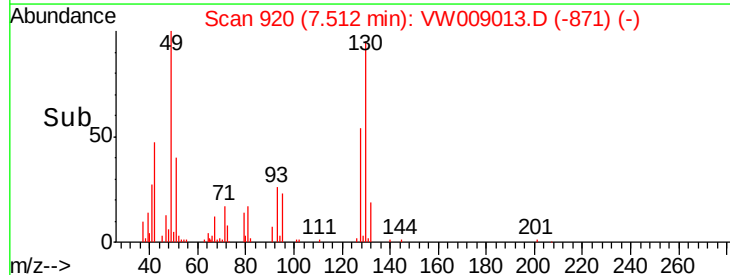
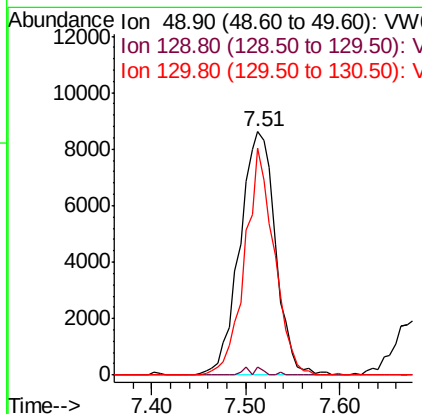
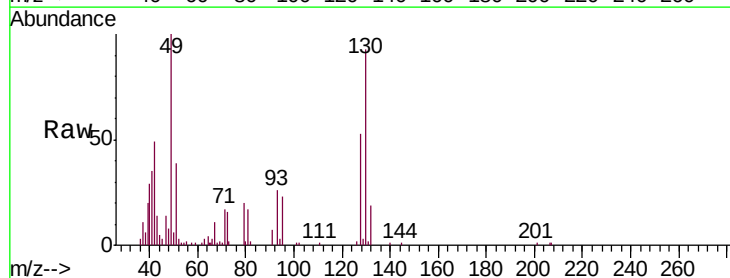
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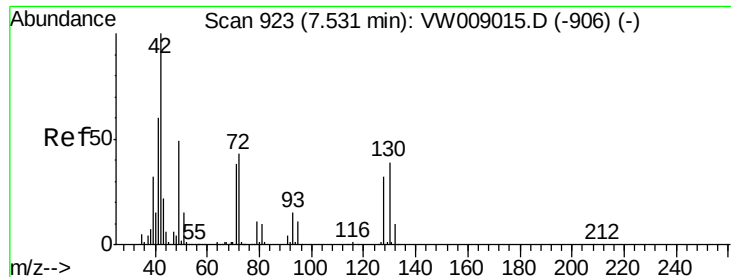


#28

Bromochloromethane
Concen: 9.887 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.2
130	76.9	59.9	89.9





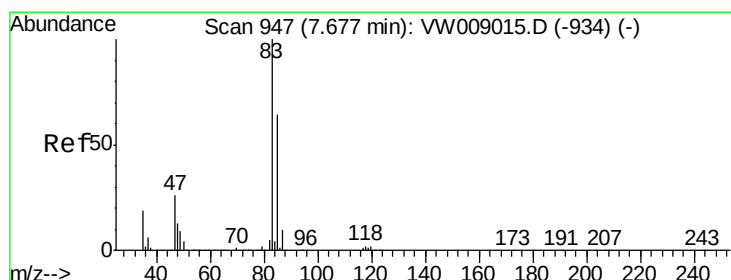
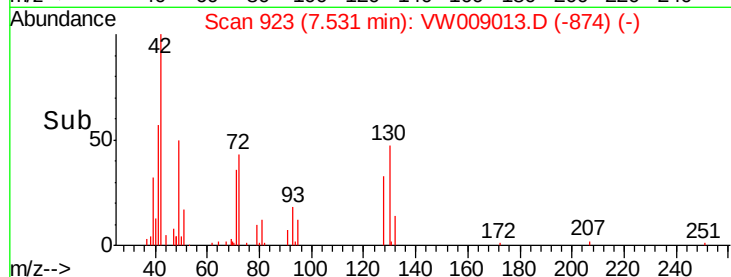
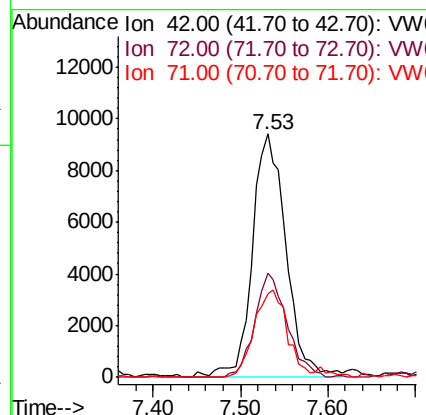
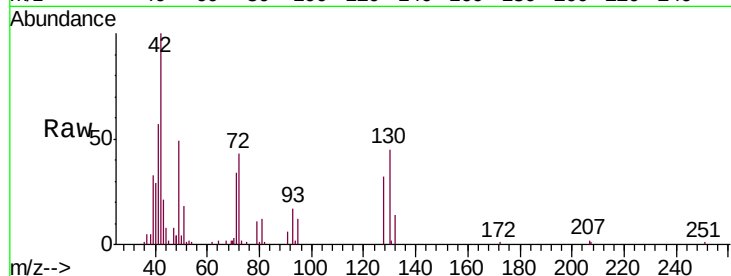
#29
Tetrahydrofuran
Concen: 45.464 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.5	48.7
71	35.0	31.6	47.4

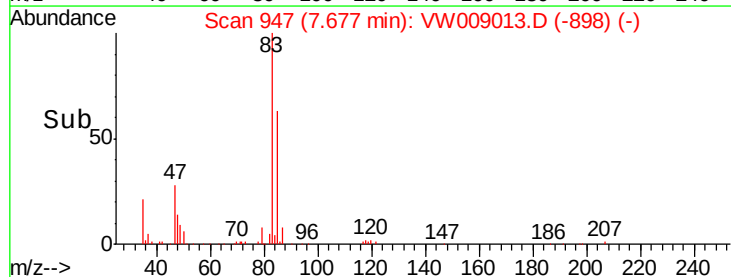
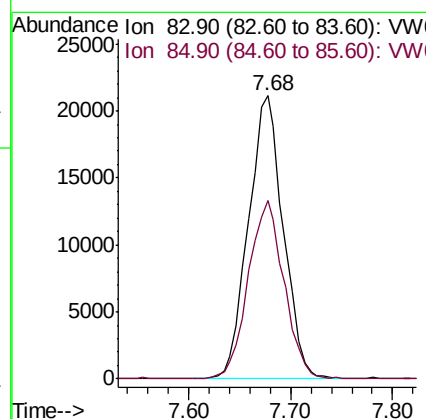
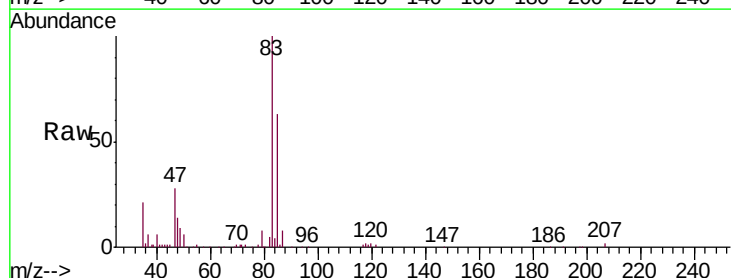
Manual Integrations
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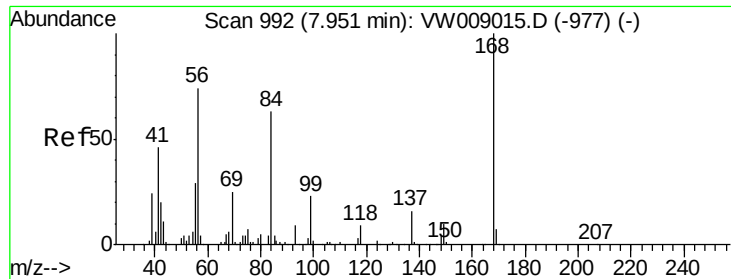
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#30
Chloroform
Concen: 9.290 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.4	77.0





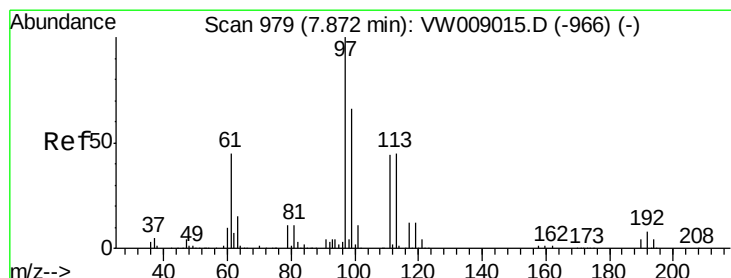
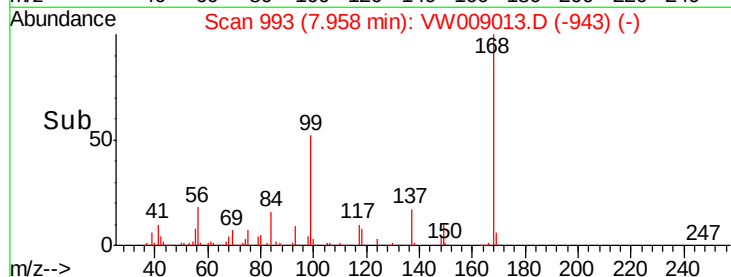
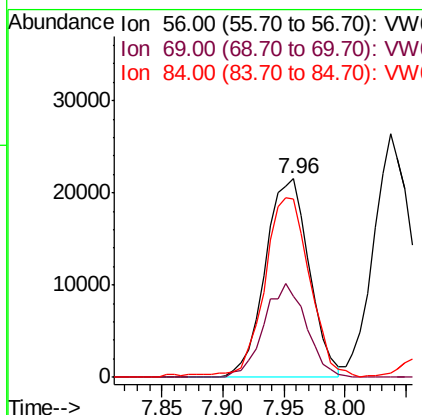
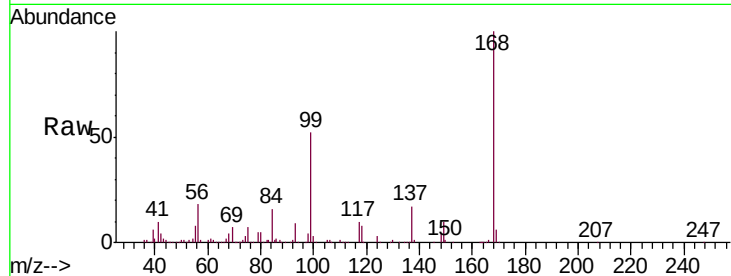
#31
Cyclohexane
Concen: 9.952 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
56	100		
69	40.7	27.0	40.4#
84	88.3	68.3	102.5

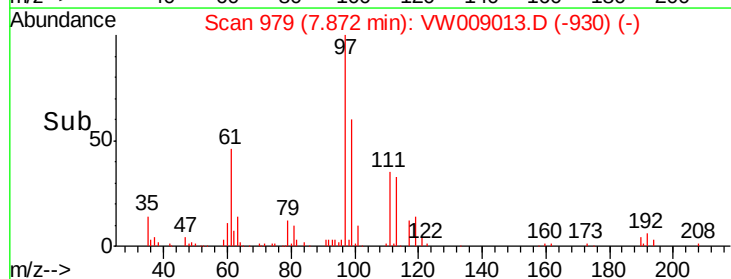
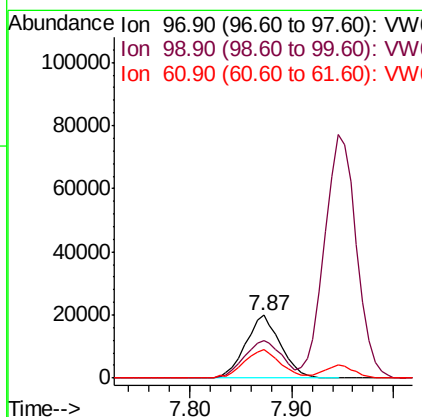
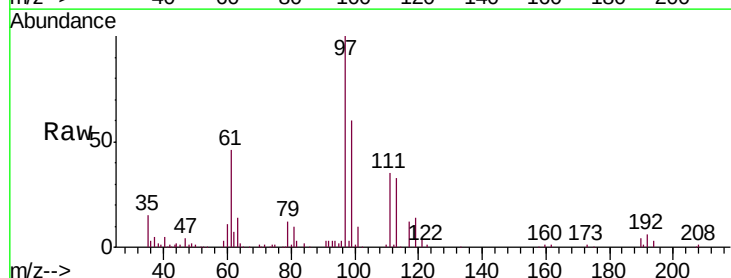
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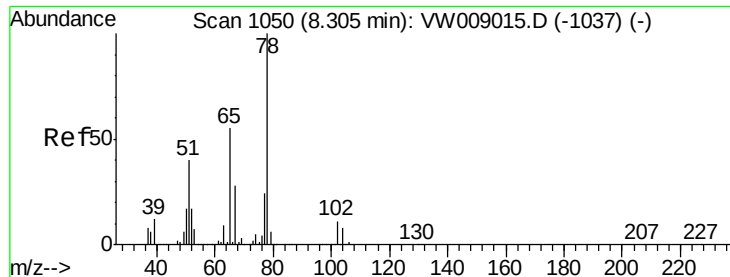
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#32
1,1,1-Trichloroethane
Concen: 9.513 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	48.7	37.4	56.0





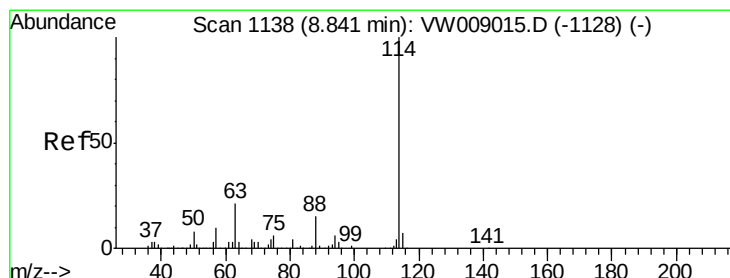
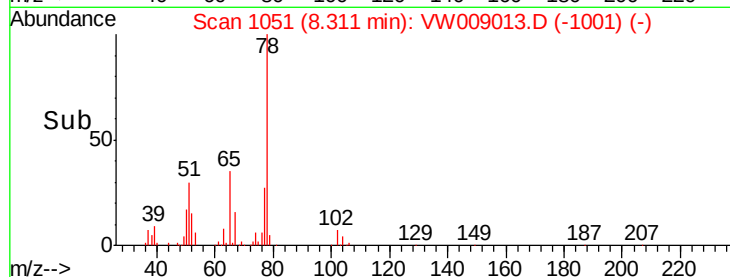
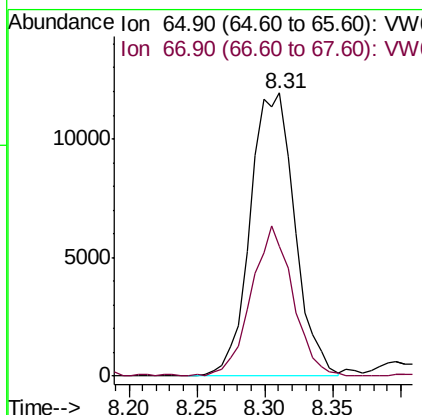
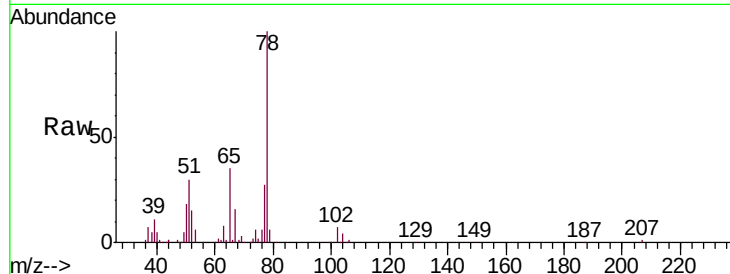
#33
 1,2-Dichloroethane-d4
 Concen: 9.044 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	27345		
67	49.7	0.0	102.2	

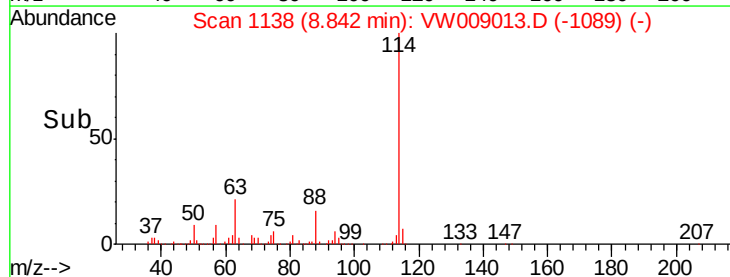
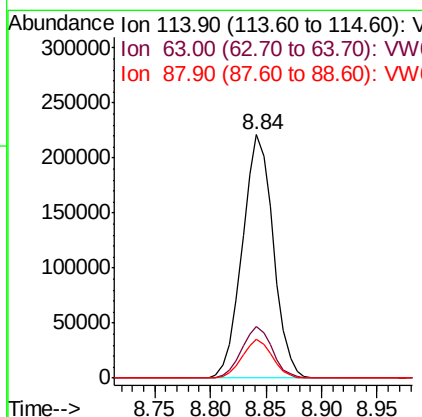
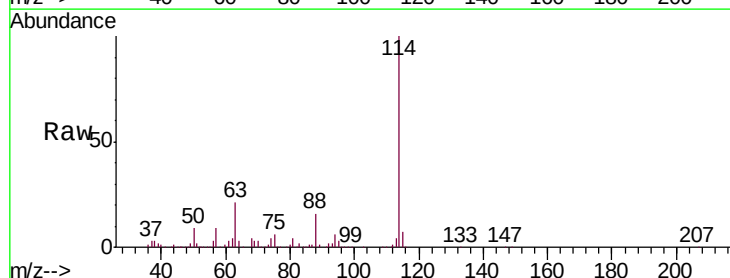
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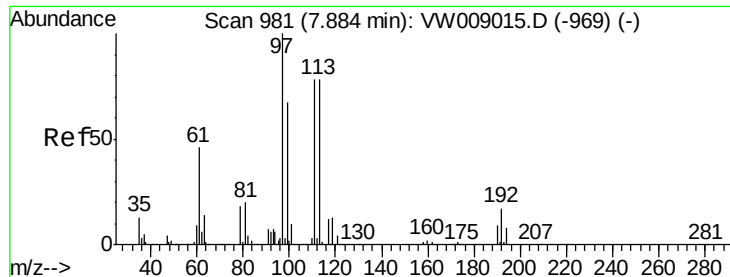
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	427465		
63	21.3	0.0	42.4	
88	15.7	0.0	30.8	





#35

Dibromofluoromethane

Concen: 9.024 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

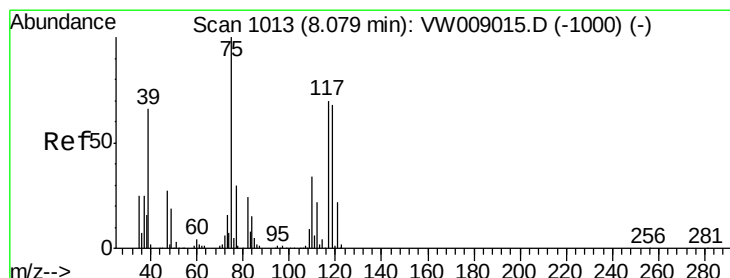
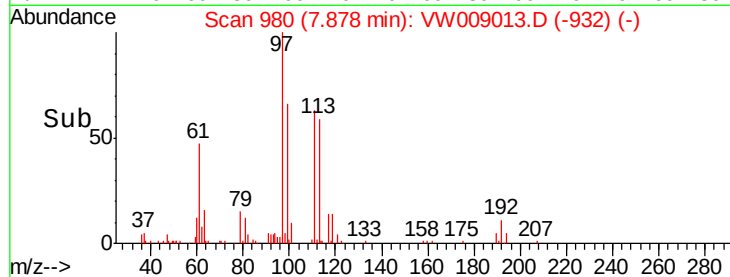
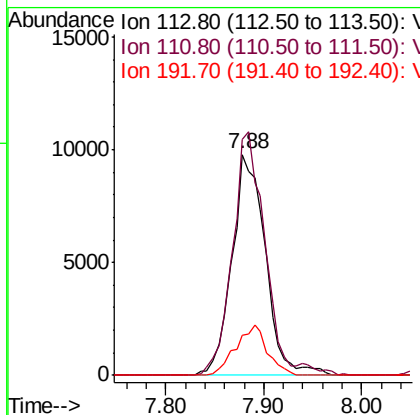
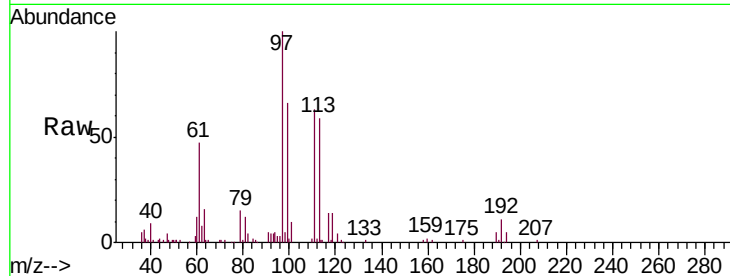
ClientSampled :

VSTDIC010

Tgt Ion:	113	Resp:	23220
Ion Ratio	Lower	Upper	
113	100		
111	104.9	80.5	120.7
192	21.3	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 9.732 ug/l

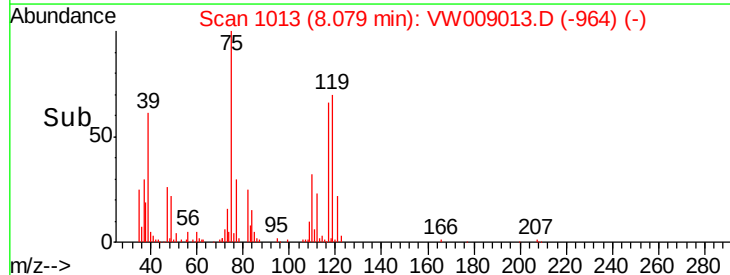
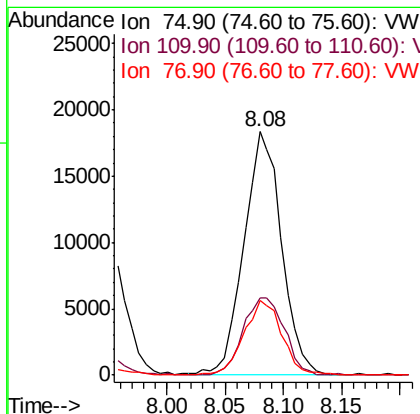
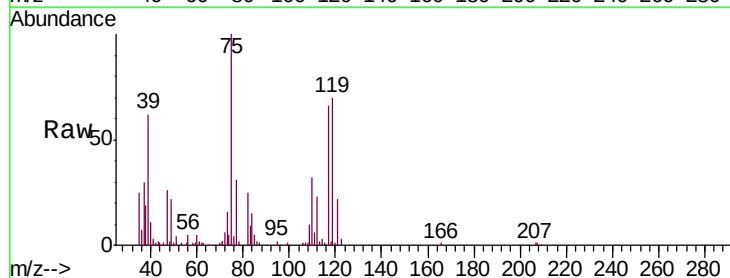
RT: 8.08 min Scan# 1013

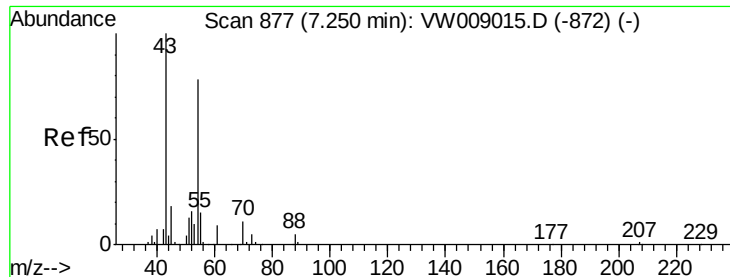
Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Tgt Ion:	75	Resp:	41364
Ion Ratio	Lower	Upper	
75	100		
110	34.9	17.3	51.9
77	31.0	24.8	37.2





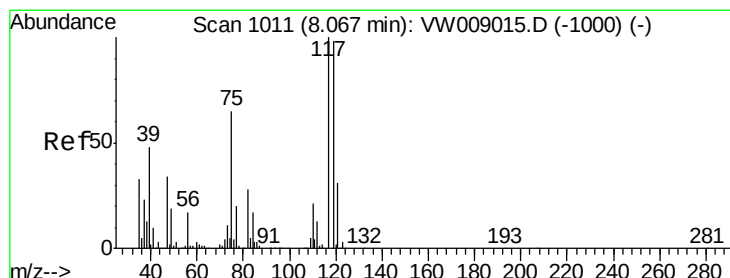
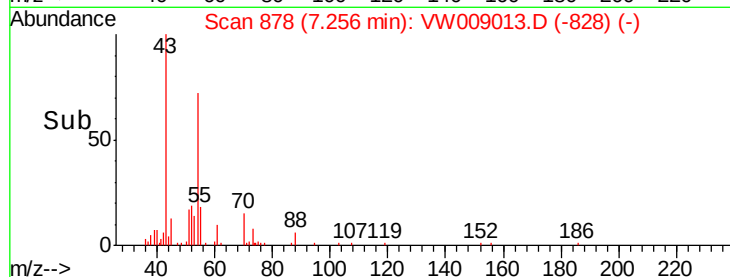
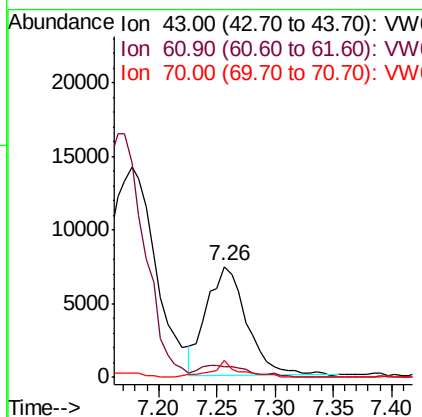
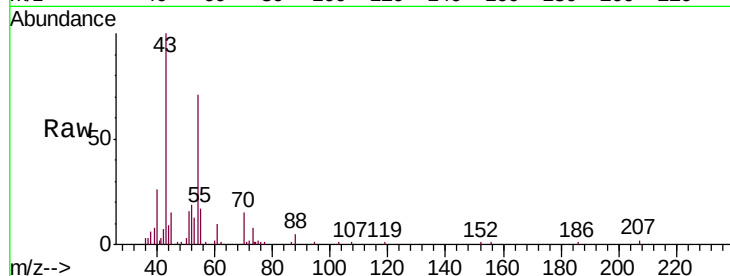
#37
Ethyl Acetate
Concen: 9.422 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.6	15.8
70	9.7	7.8	11.8

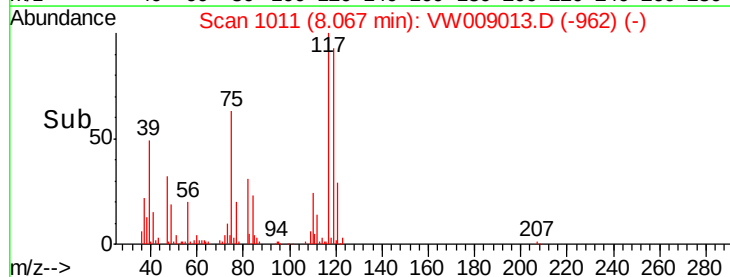
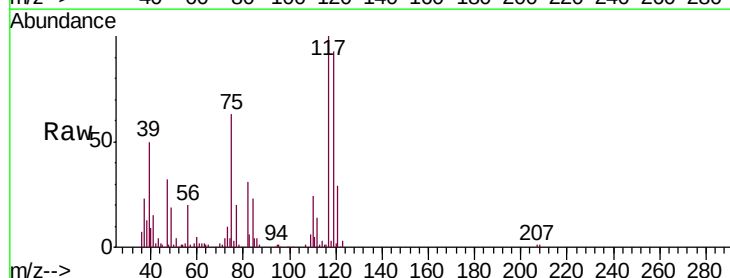
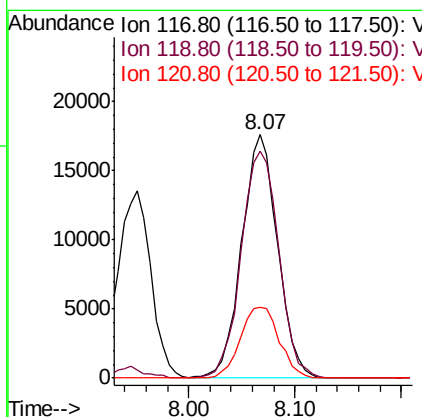
Manual Integrations
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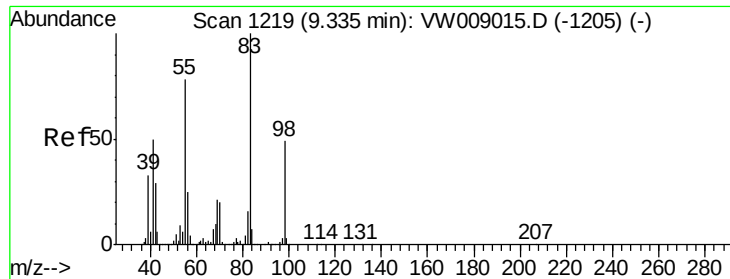
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#38
Carbon Tetrachloride
Concen: 9.481 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	78.4	117.6
121	29.2	24.7	37.1





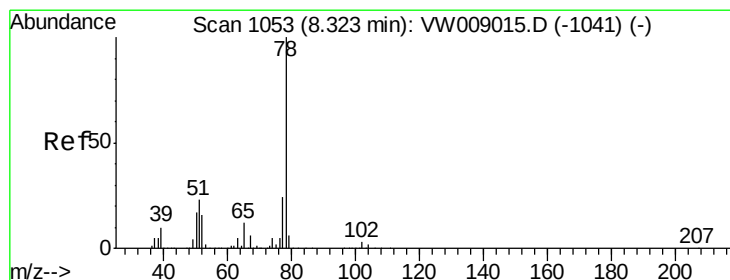
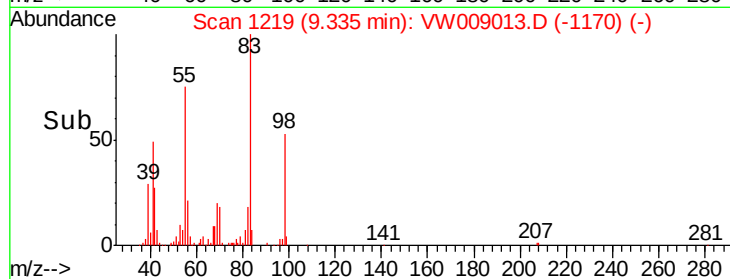
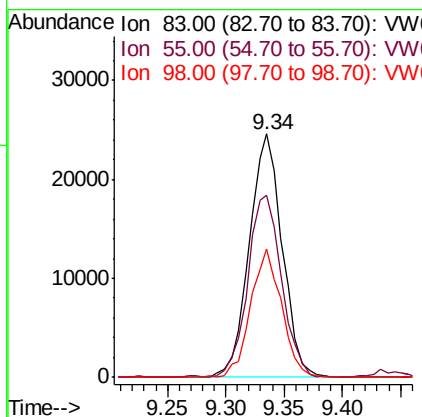
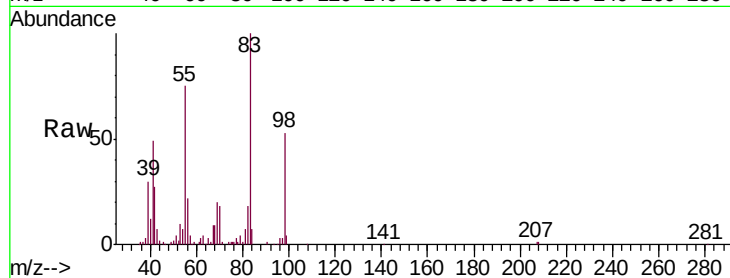
#39
Methylcyclohexane
Concen: 9.441 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.7	62.6	93.8
98	52.5	39.4	59.2

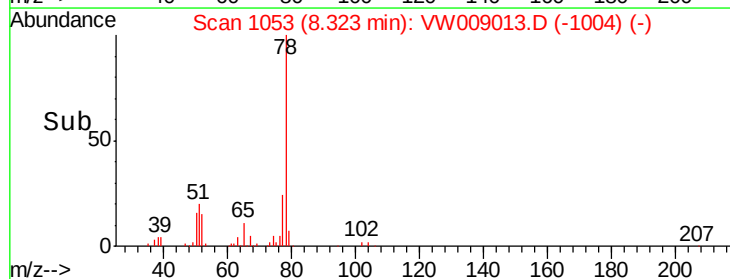
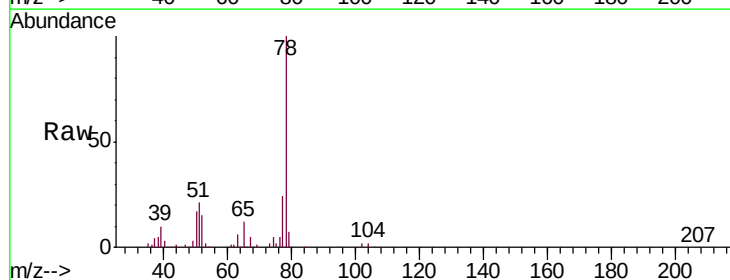
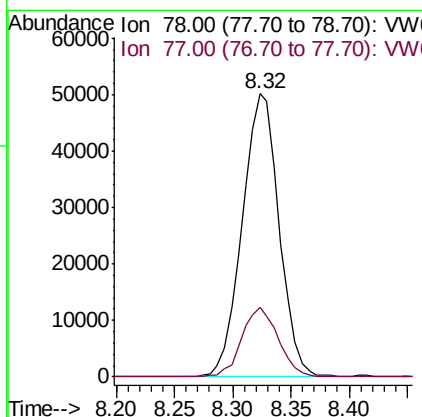
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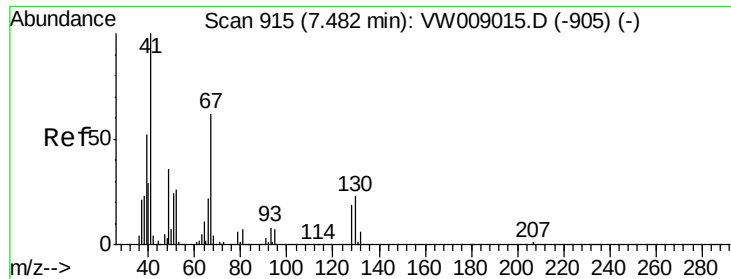
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#40
Benzene
Concen: 9.646 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.9	28.3





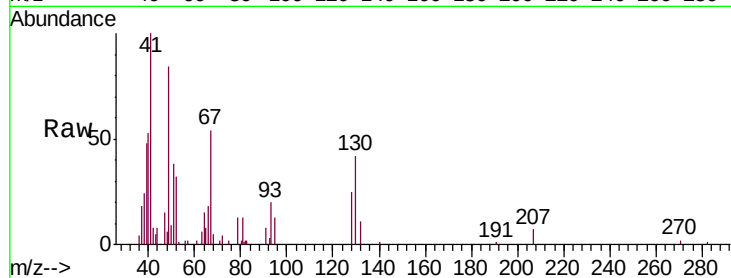
#41
Methacrylonitrile
Concen: 10.120 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

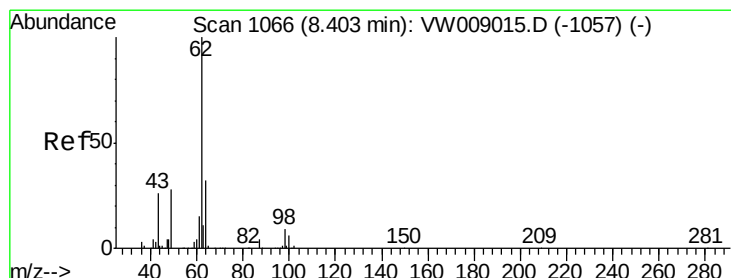
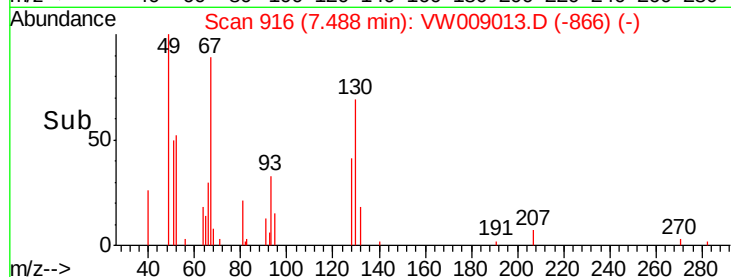
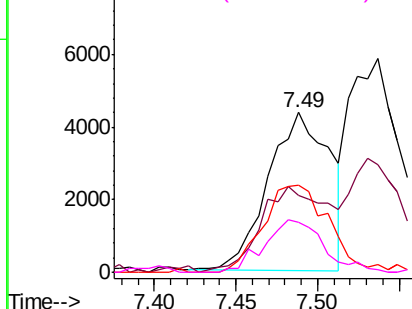
Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.0	50.6	75.8
67	60.0	59.0	88.6
52	32.0	26.6	39.8

Manual Integrations
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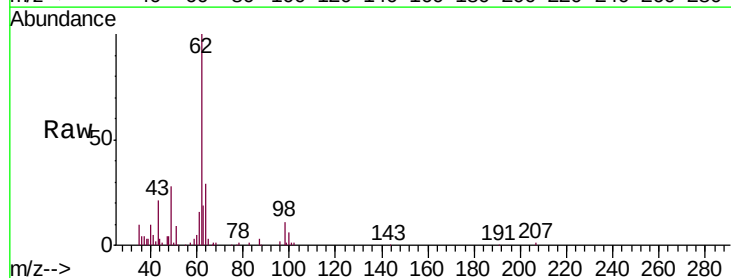


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

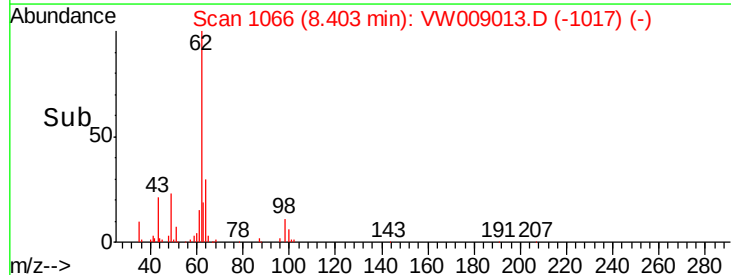
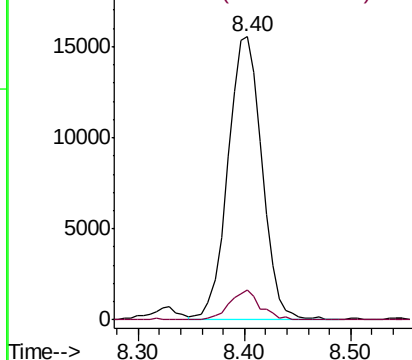


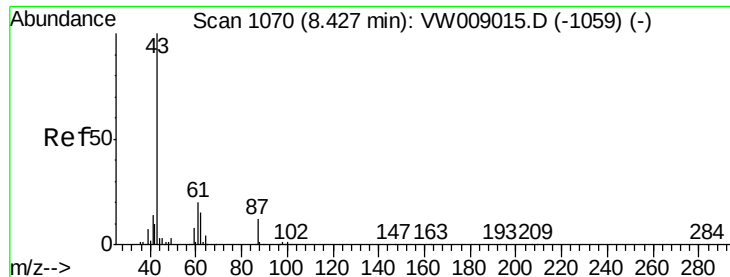
#42
1,2-Dichloroethane
Concen: 9.496 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.8



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





#43

Isopropyl Acetate

Concen: 9.111 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

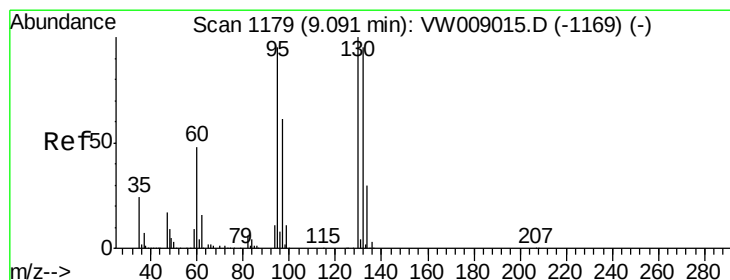
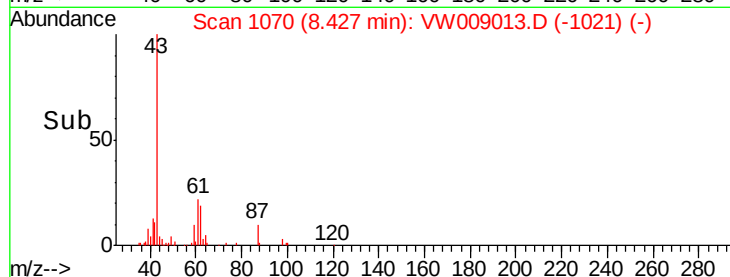
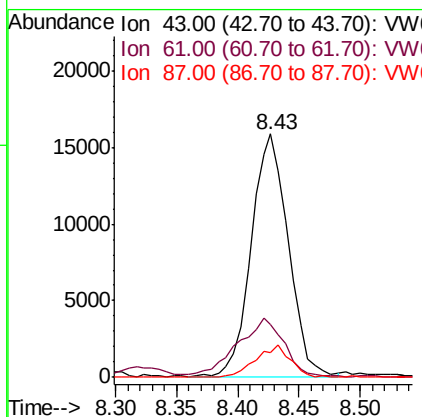
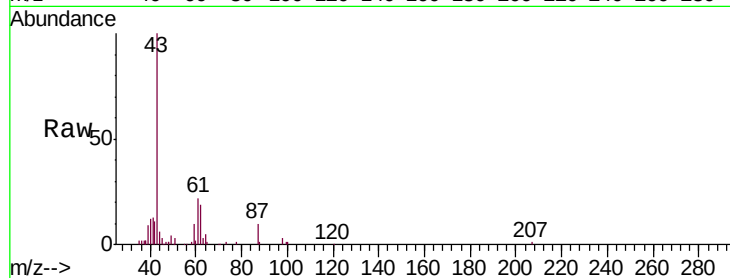
ClientSampled :

VSTDIC010

Tgt Ion:	43	Resp:	33673
Ion	Ratio	Lower	Upper
43	100		
61	30.8	23.5	35.3
87	12.4	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 9.724 ug/l

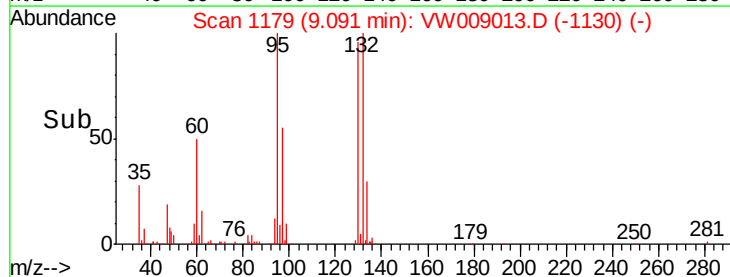
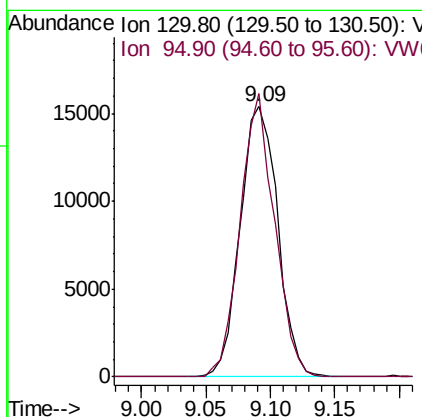
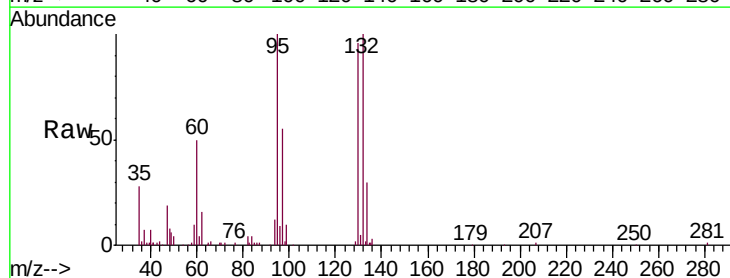
RT: 9.09 min Scan# 1179

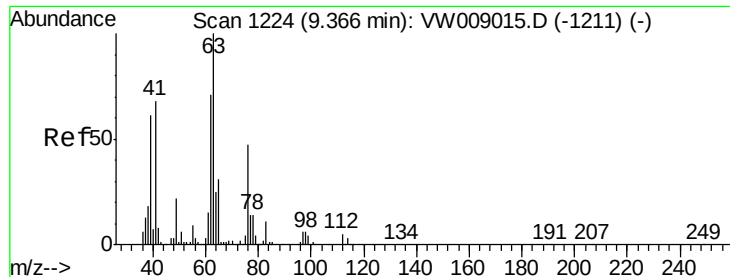
Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Tgt Ion:	130	Resp:	31084
Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	190.0





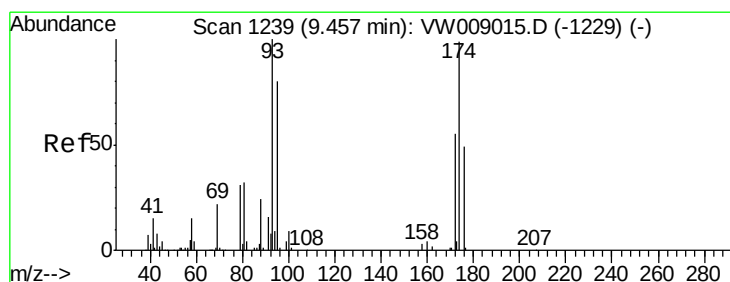
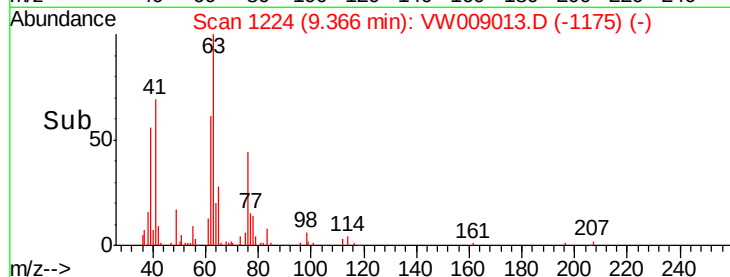
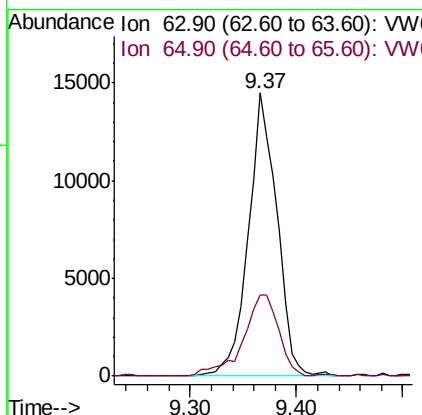
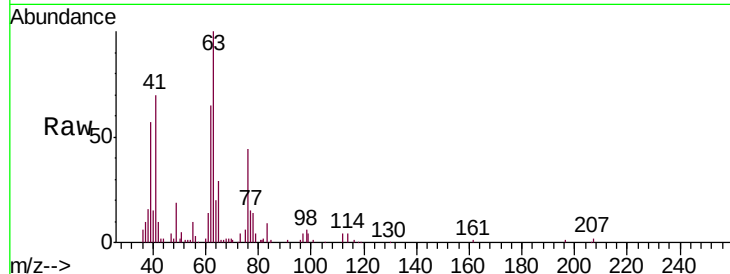
#45
1,2-Dichloropropane
Concen: 9.632 ug/l
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 63 Resp: 27376
Ion Ratio Lower Upper
63 100
65 28.7 25.0 37.4

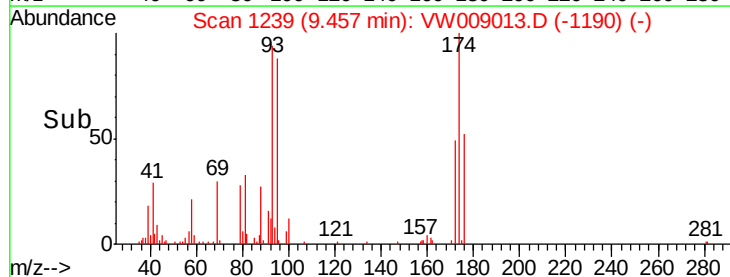
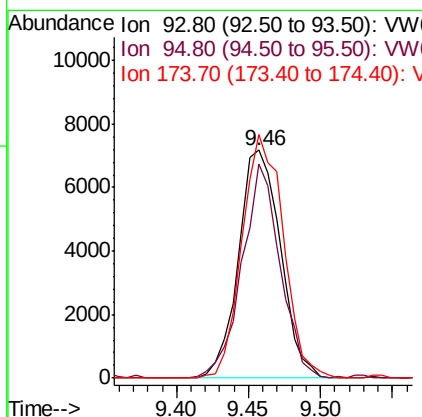
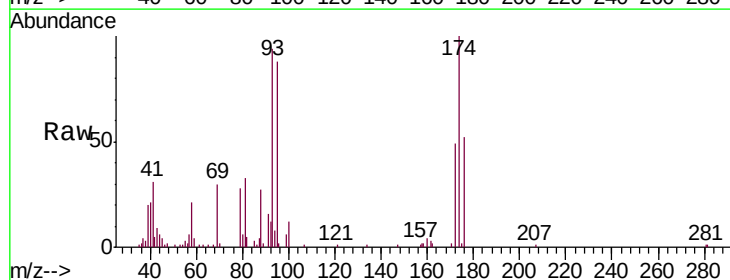
Manual Integrations
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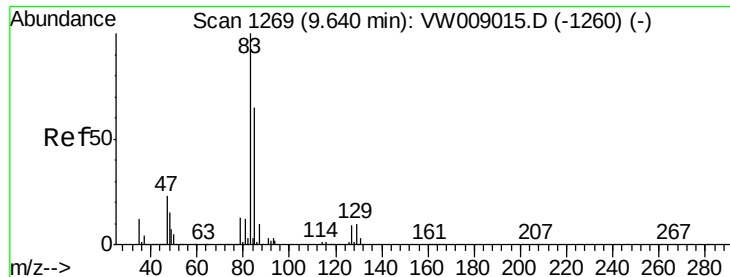
MMDadoda
3/8/2019 12:07:02 AM



#46
Dibromomethane
Concen: 9.244 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion: 93 Resp: 14494
Ion Ratio Lower Upper
93 100
95 85.3 64.1 96.1
174 105.0 81.3 121.9





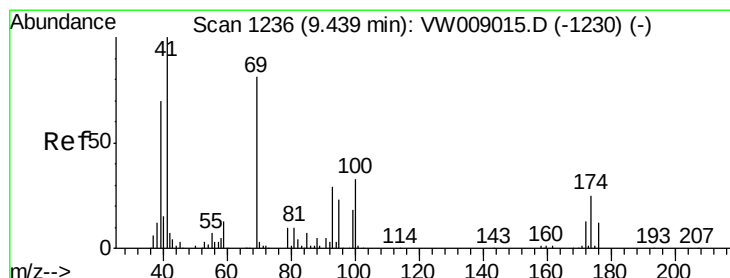
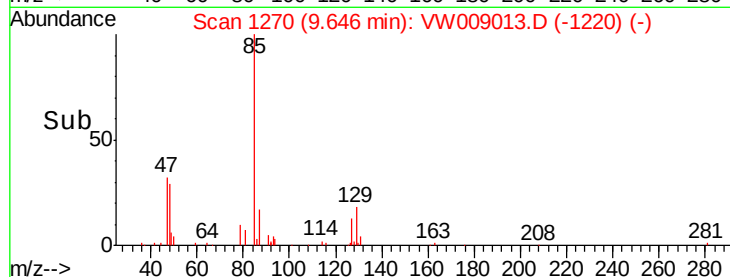
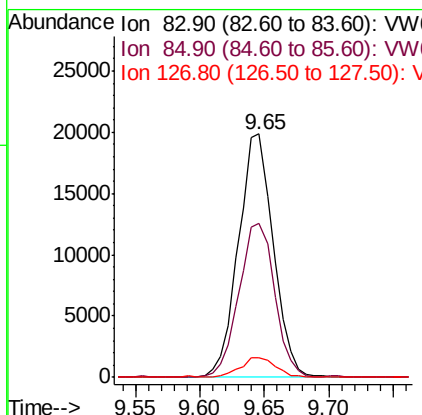
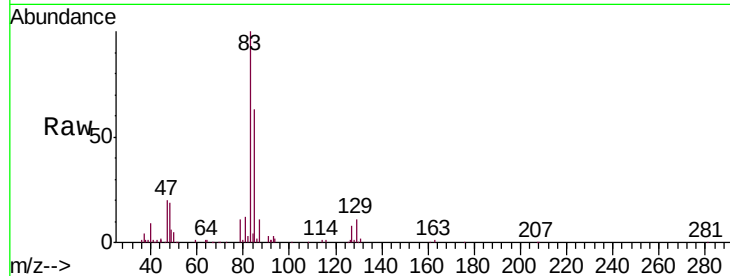
#47
Bromodichloromethane
Concen: 9.470 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	37223		
85	63.3	51.9	77.9	
127	8.2	7.0	10.6	

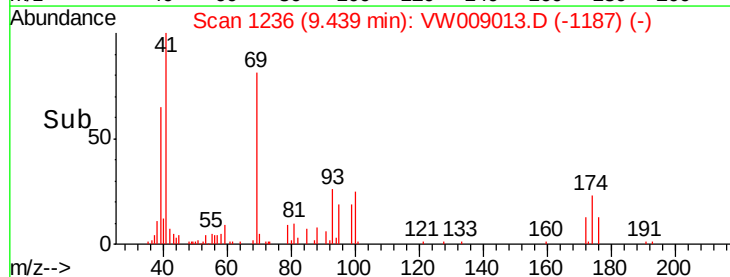
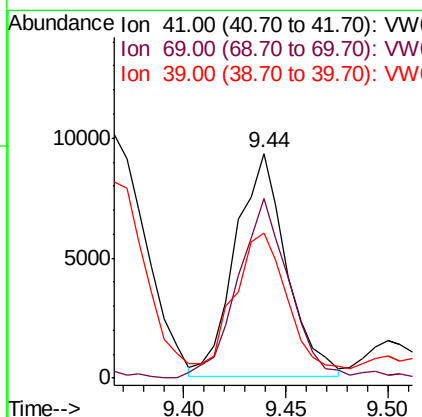
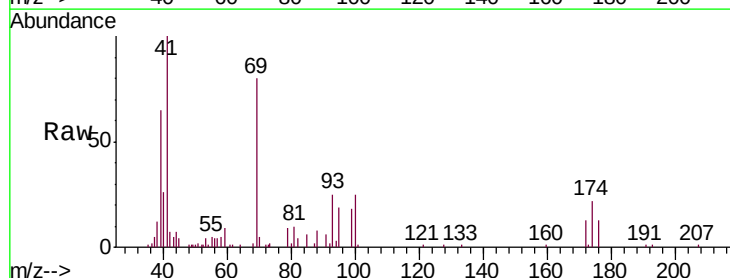
Manual Integrations
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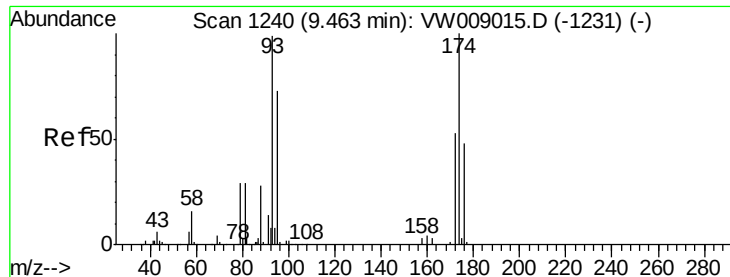
MMDadoda
3/8/2019 12:07:02 AM



#48
Methyl methacrylate
Concen: 9.227 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	16113		
69	81.1	61.8	92.6	
39	72.3	50.5	75.7	





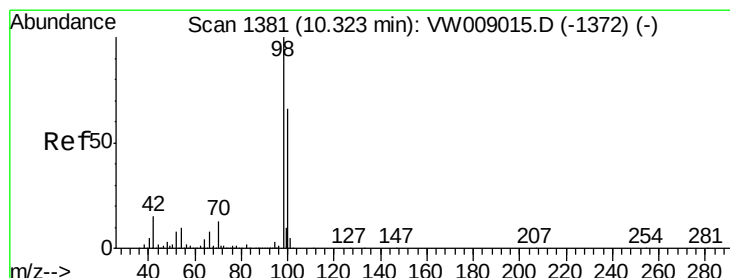
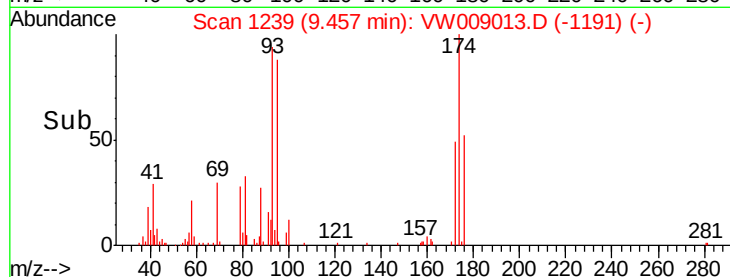
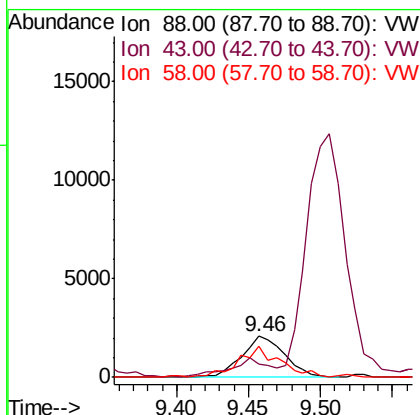
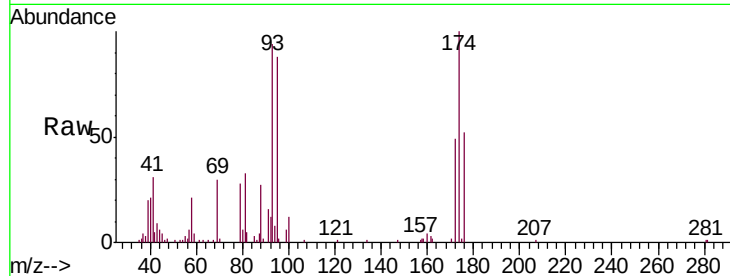
#49
1,4-Dioxane
Concen: 202.291 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
88	100		
43	41.7	0.0	0.0#
58	72.9	55.0	82.6

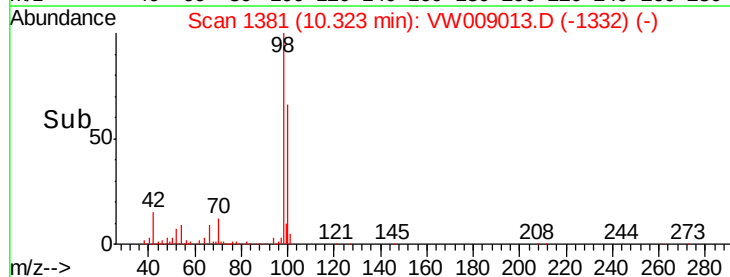
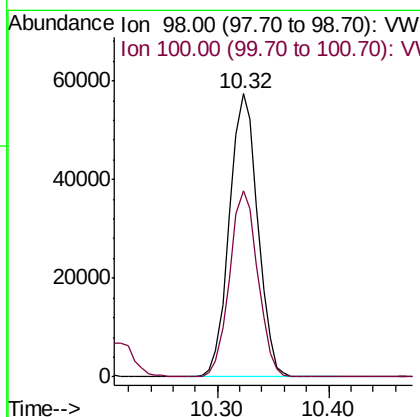
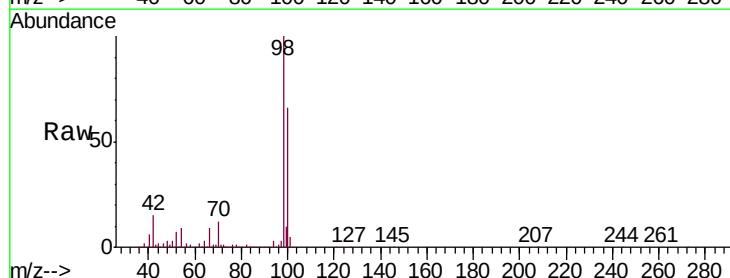
Manual Integrations
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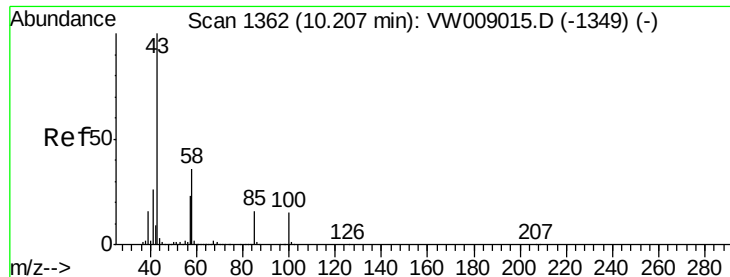
MMDadoda
3/8/2019 12:07:02 AM



#50
Toluene-d8
Concen: 9.587 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.9	79.3





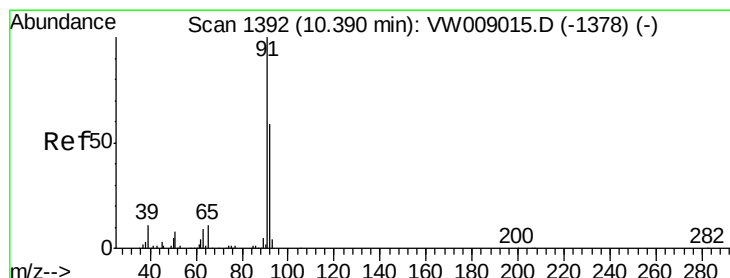
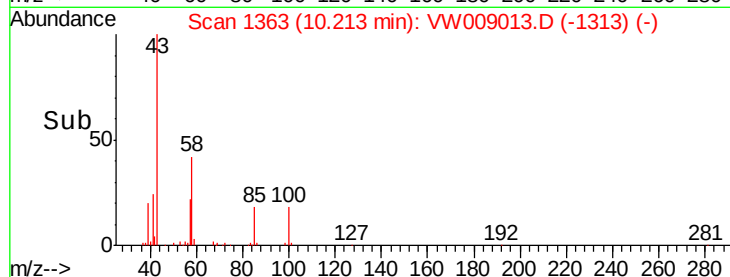
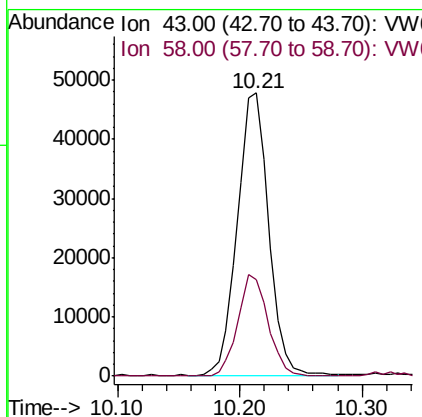
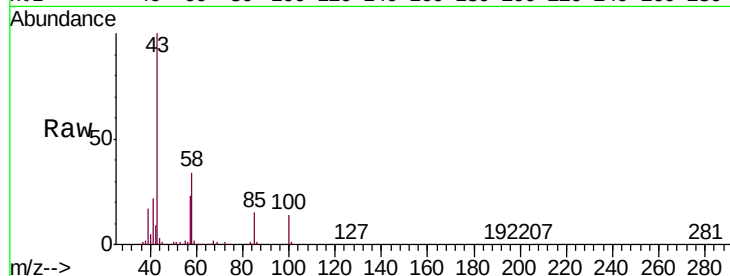
#51
 4-Methyl-2-Pentanone
 Concen: 45.286 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion: 43 Resp: 84634
 Ion Ratio Lower Upper
 43 100
 58 35.0 29.0 43.4

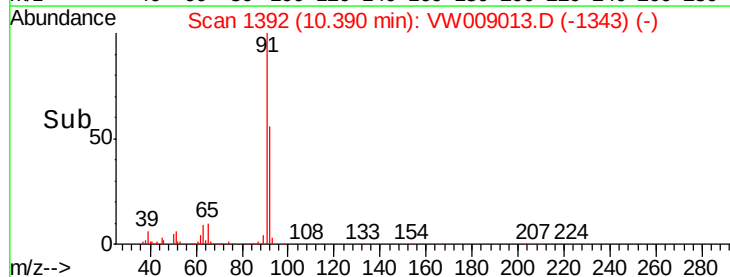
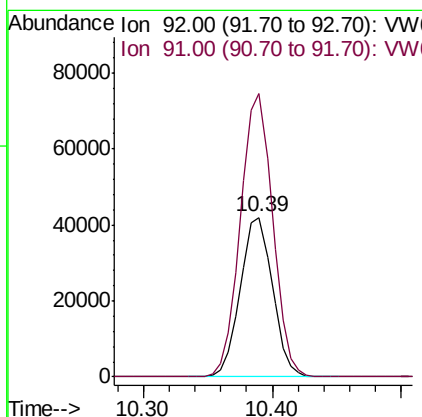
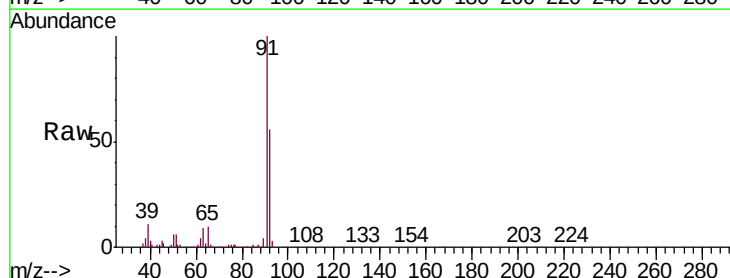
Manual Integrations
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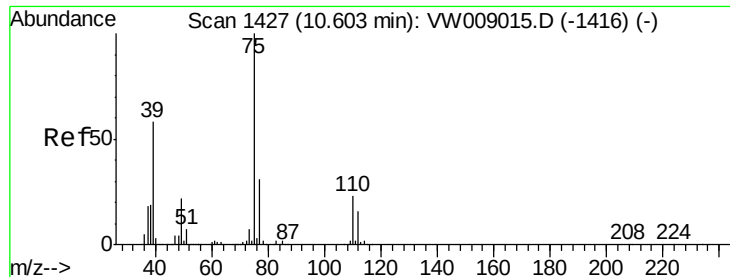
MMDadoda
 3/8/2019 12:07:02 AM



#52
 Toluene
 Concen: 9.408 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Tgt Ion: 92 Resp: 72810
 Ion Ratio Lower Upper
 92 100
 91 178.1 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 8.872 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 75 Resp: 34593

Ion Ratio Lower Upper

75 100

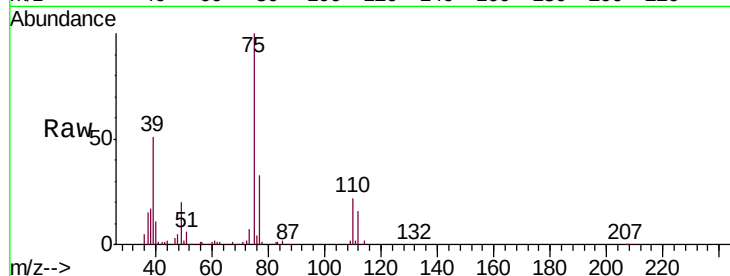
77 31.2 24.8 37.2

Manual Integrations

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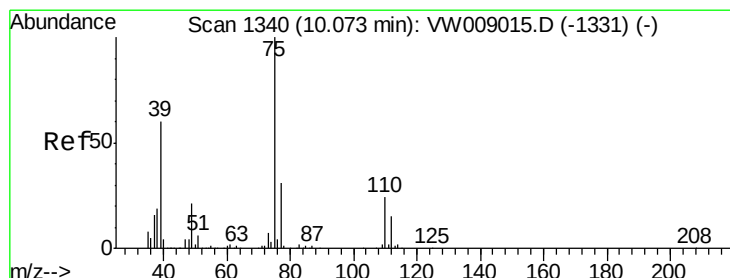
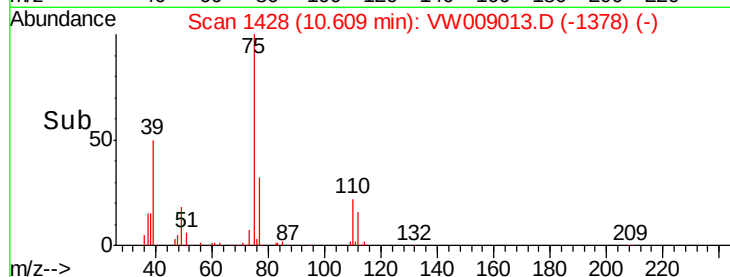
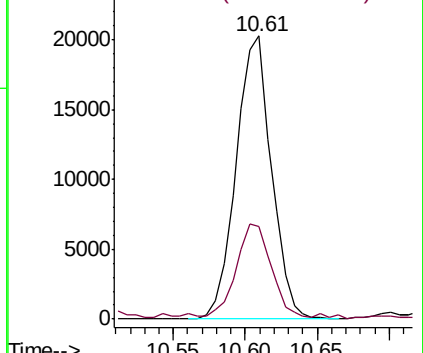
MMDadoda

3/8/2019 12:07:02 AM



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 9.388 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

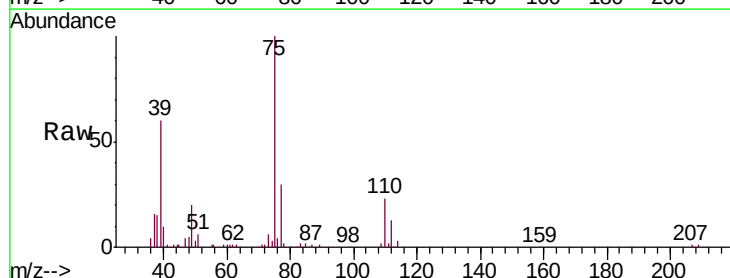
Tgt Ion: 75 Resp: 41790

Ion Ratio Lower Upper

75 100

77 29.8 25.0 37.4

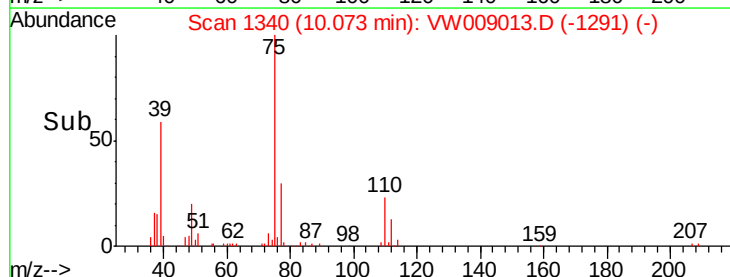
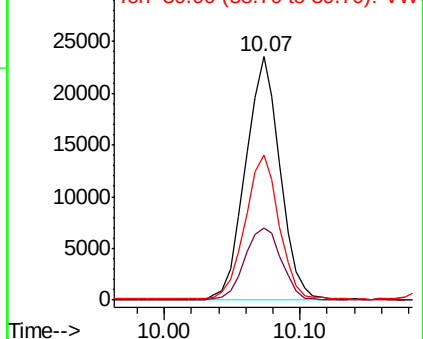
39 59.0 48.2 72.2

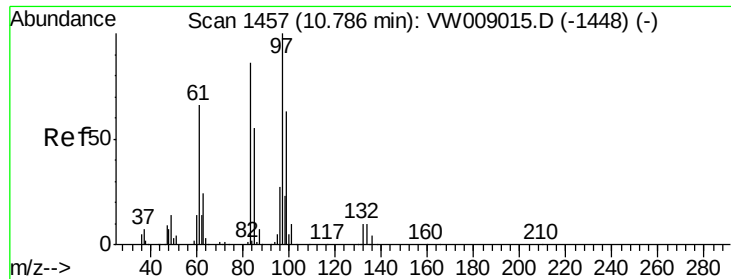


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





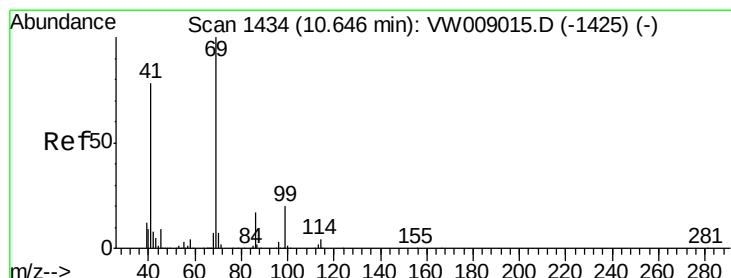
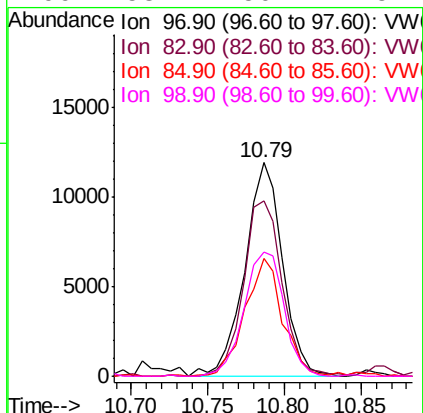
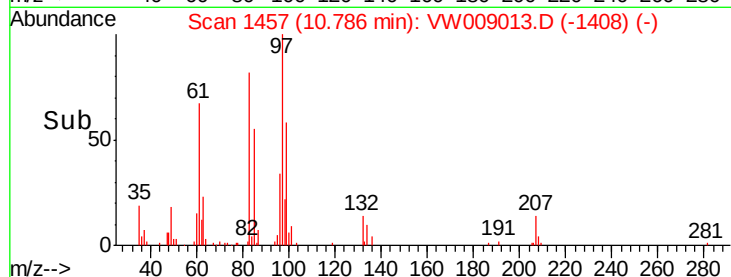
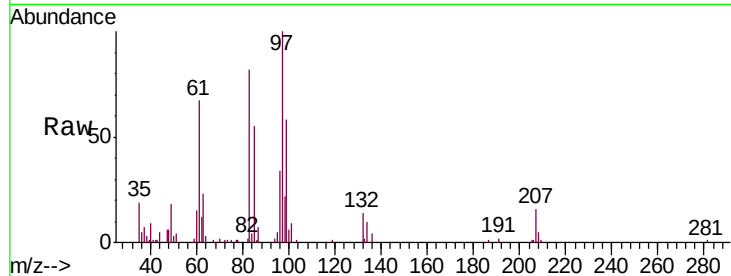
#55
 1,1,2-Trichloroethane
 Concen: 9.586 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.8	103.2
85	54.9	43.7	65.5
99	58.4	50.1	75.1

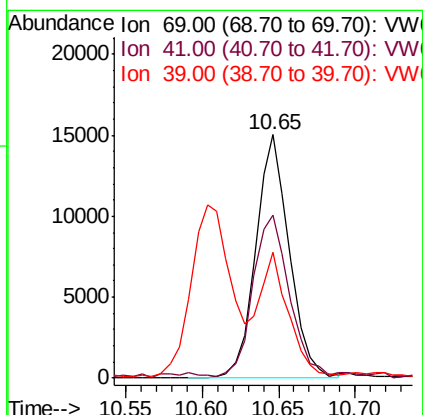
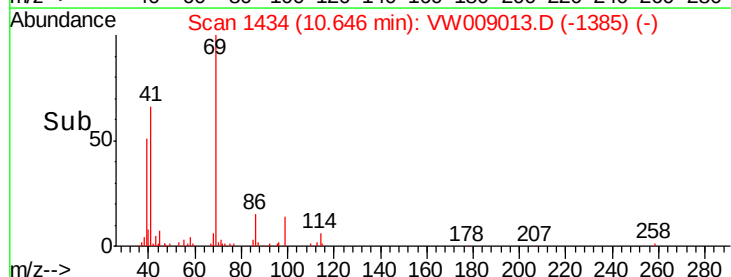
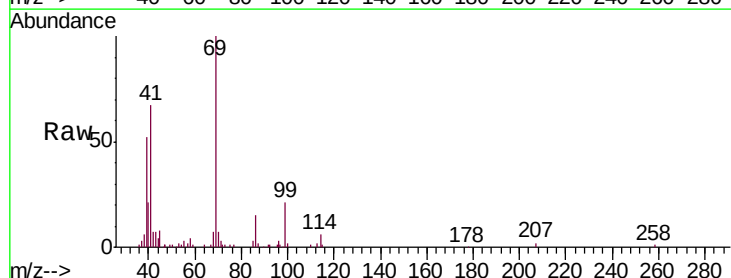
Manual Integrations
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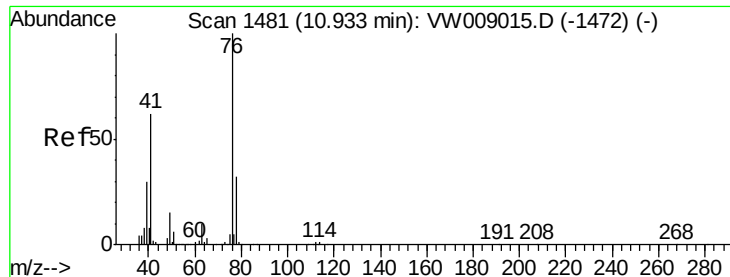
MMDadoda
 3/8/2019 12:07:02 AM



#56
 Ethyl methacrylate
 Concen: 8.698 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.4	58.9	88.3
39	45.5	37.6	56.4





#57

1,3-Dichloropropane

Concen: 9.663 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tgt Ion: 76 Resp: 36186

Ion Ratio Lower Upper

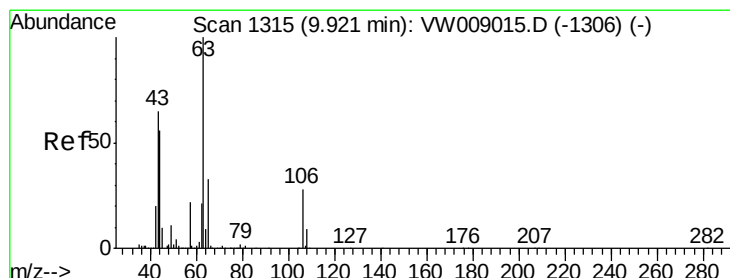
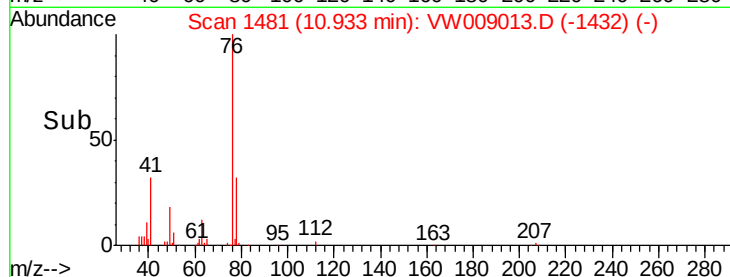
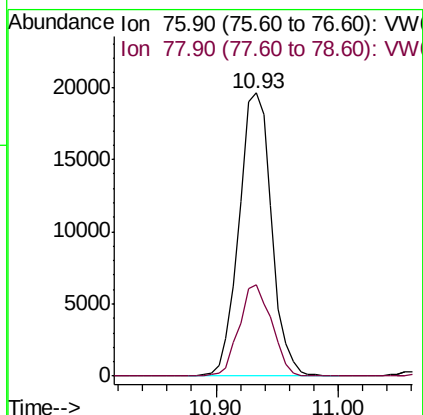
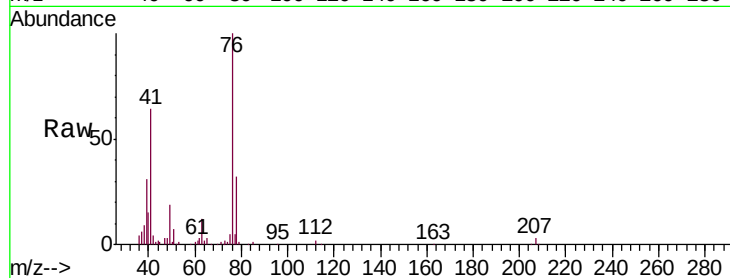
76 100

78 32.2 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

3/8/2019 12:07:02 AM



#58

2-Chloroethyl Vinyl ether

Concen: 44.991 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW009013.D

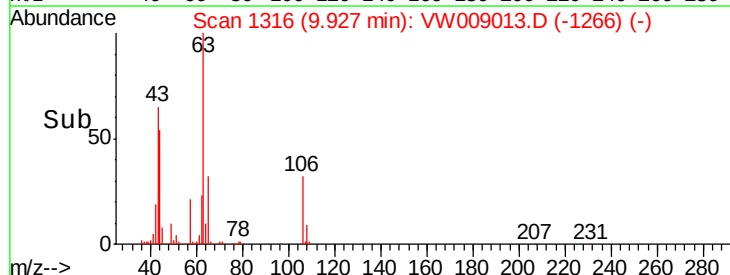
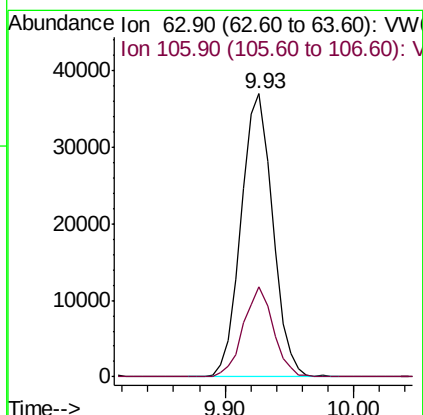
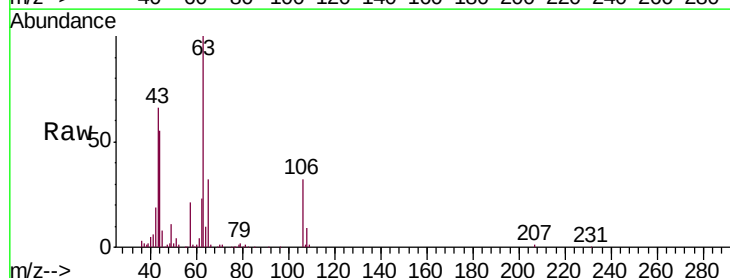
Acq: 06 Mar 2019 11:17

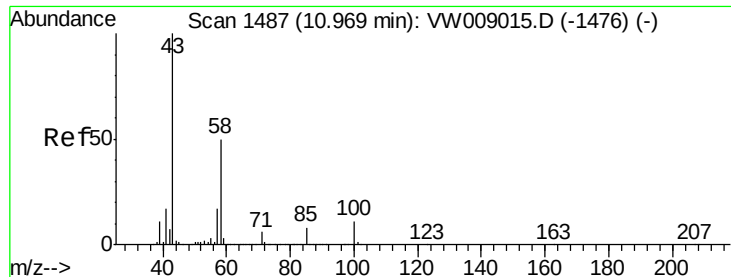
Tgt Ion: 63 Resp: 62889

Ion Ratio Lower Upper

63 100

106 30.4 23.0 34.6





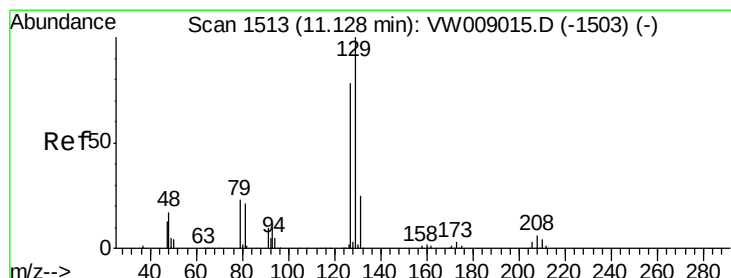
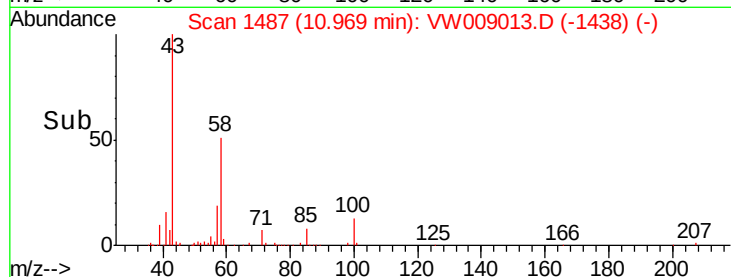
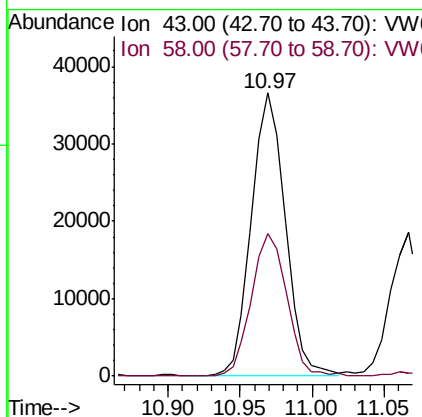
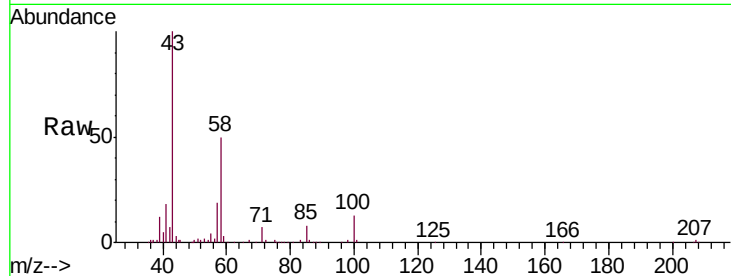
#59
2-Hexanone
Concen: 45.067 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion: 43 Resp: 59211
Ion Ratio Lower Upper
43 100
58 53.0 25.3 75.8

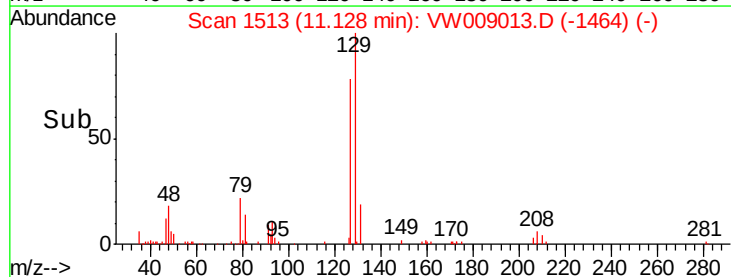
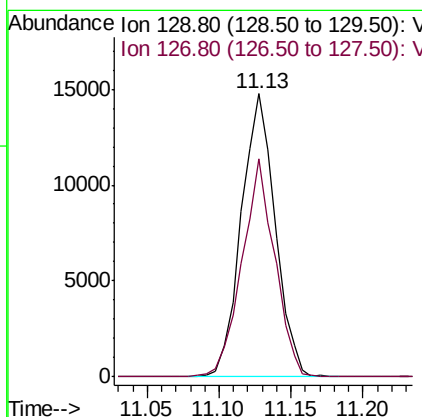
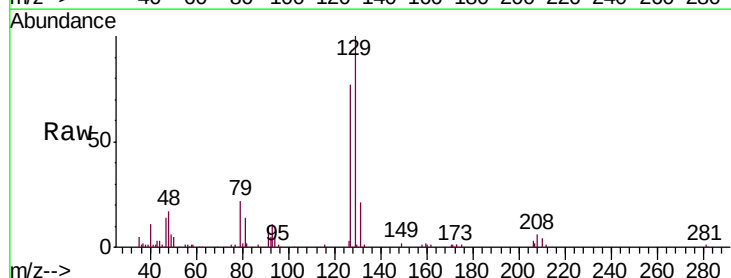
Manual Integrations
APPROVED

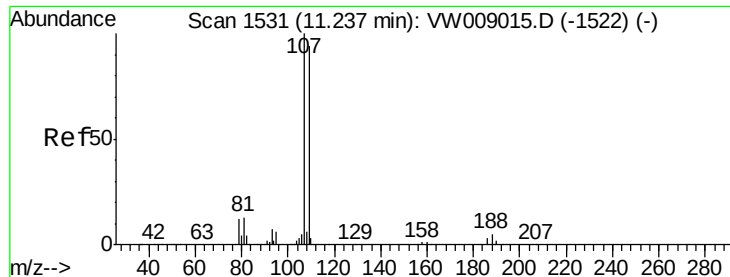
MMDadoda
3/8/2019 12:07:02 AM



#60
Dibromochloromethane
Concen: 9.277 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion: 129 Resp: 23997
Ion Ratio Lower Upper
129 100
127 74.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 9.392 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 107 Resp: 18958

Ion Ratio Lower Upper

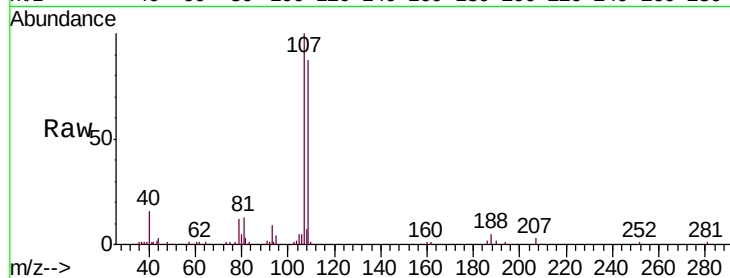
107 100

109 91.8 75.7 113.5

Manual Integrations
APPROVED

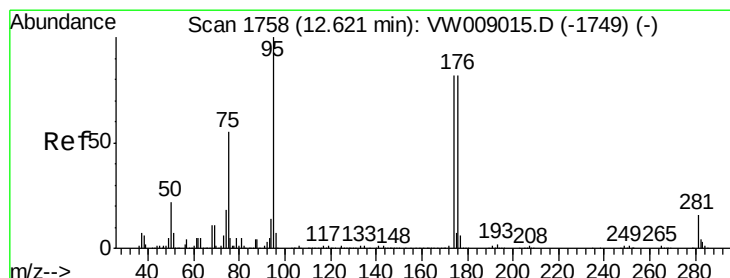
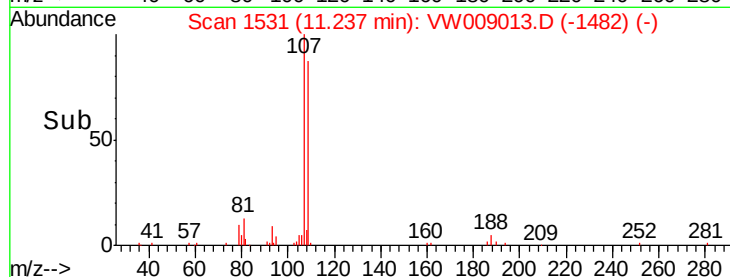
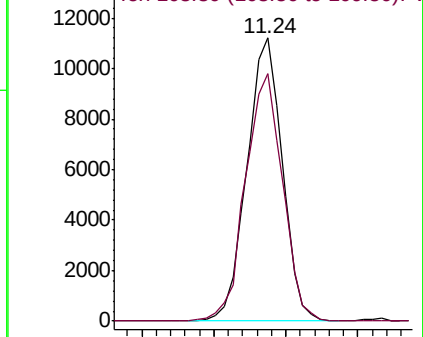
MMDadoda

3/8/2019 12:07:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 9.234 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

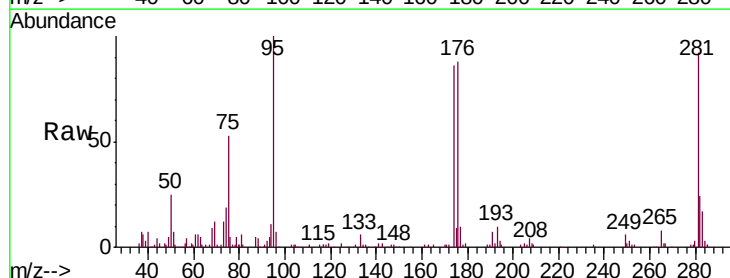
Tgt Ion: 95 Resp: 37711

Ion Ratio Lower Upper

95 100

174 85.4 0.0 165.8

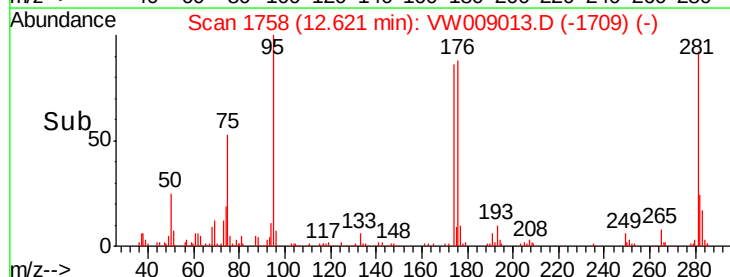
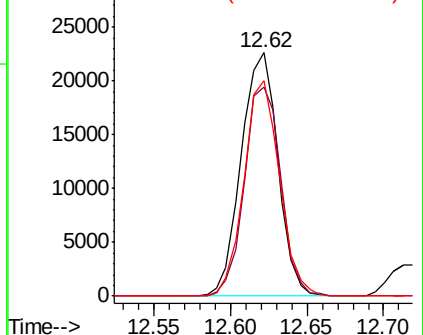
176 85.9 0.0 159.8

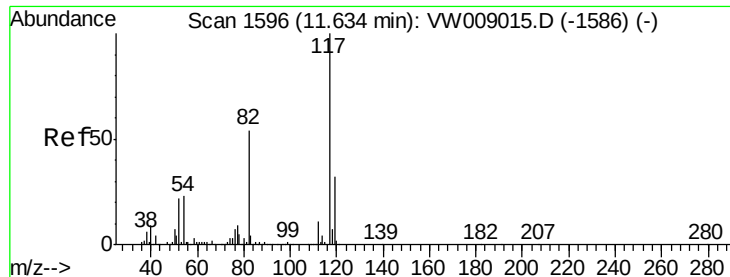


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





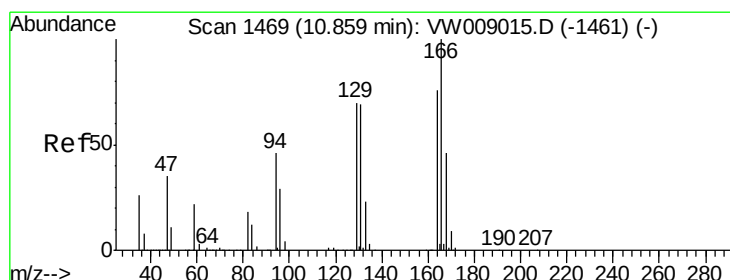
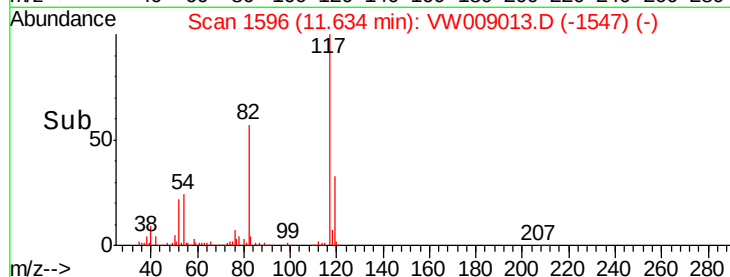
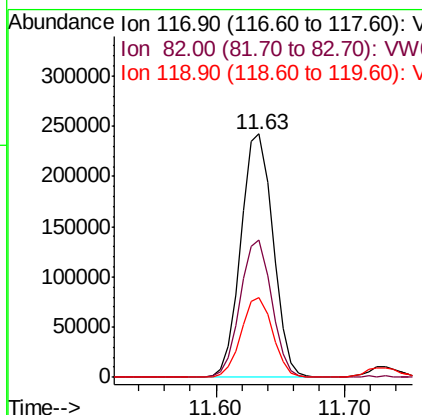
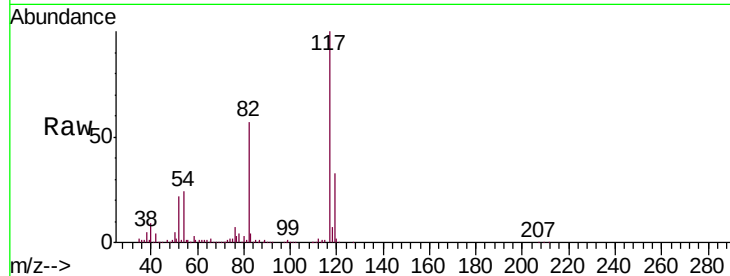
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	418355		
82	56.6	43.4	65.2	
119	32.6	25.8	38.8	

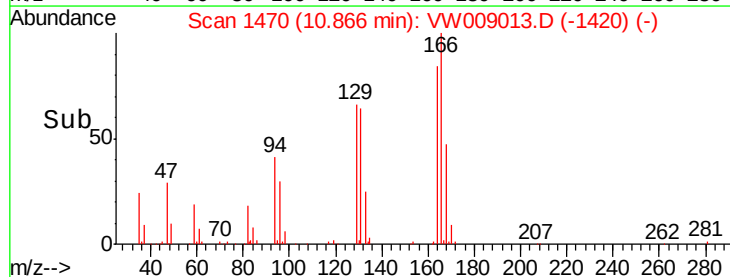
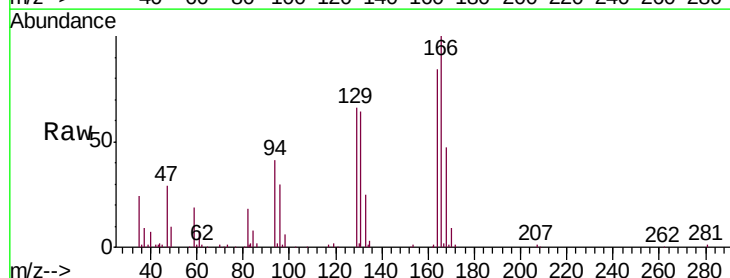
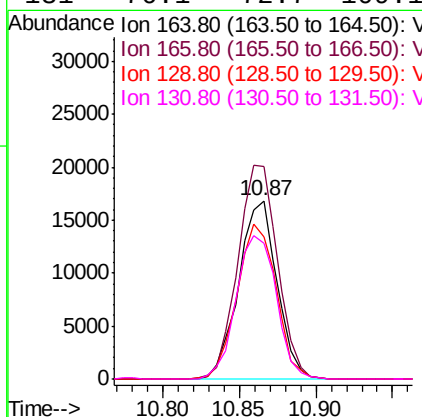
Manual Integrations
APPROVED

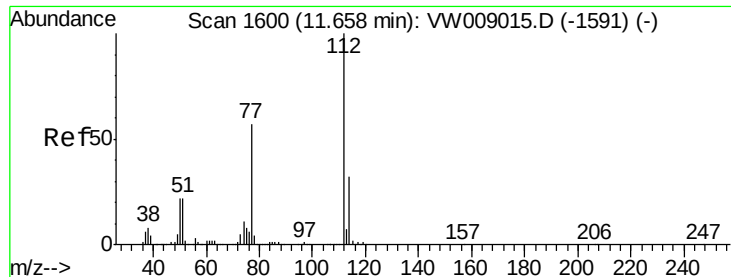
MMDadoda
3/8/2019 12:07:02 AM



#64
Tetrachloroethene
Concen: 10.109 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29202		
166	119.7	104.6	157.0	
129	79.5	73.4	110.2	
131	76.1	72.7	109.1	





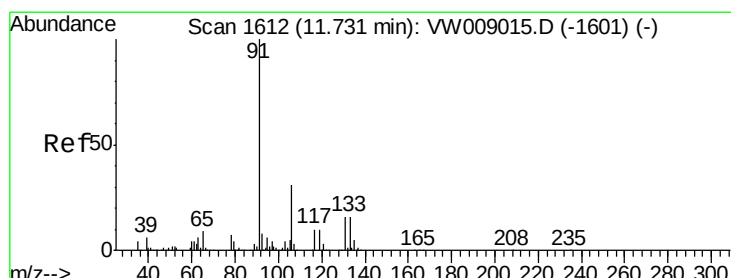
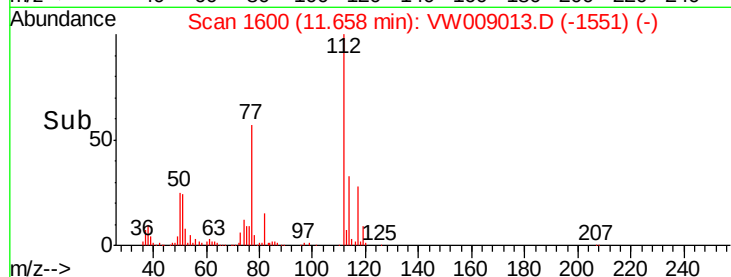
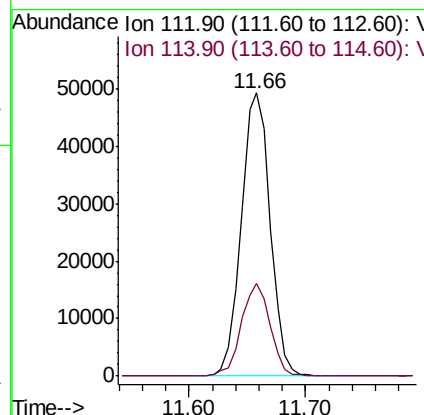
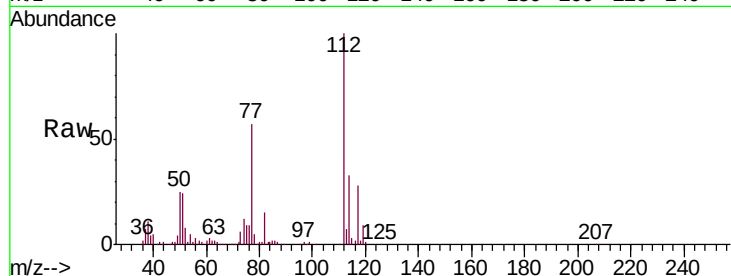
#65
Chlorobenzene
Concen: 9.792 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion:112 Resp: 85027
Ion Ratio Lower Upper
112 100
114 32.9 25.5 38.3

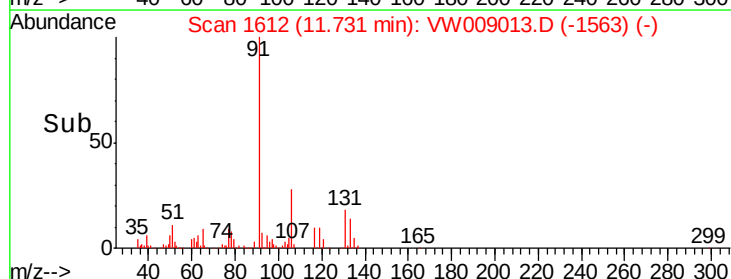
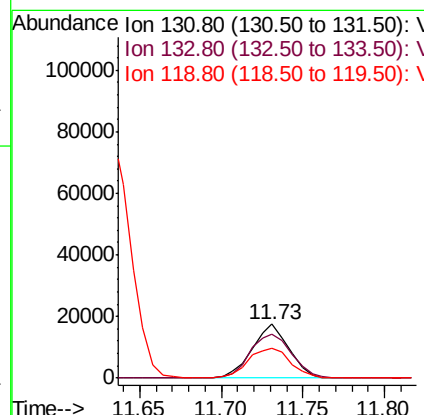
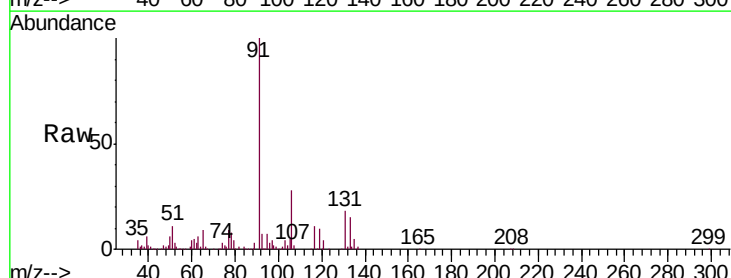
Manual Integrations
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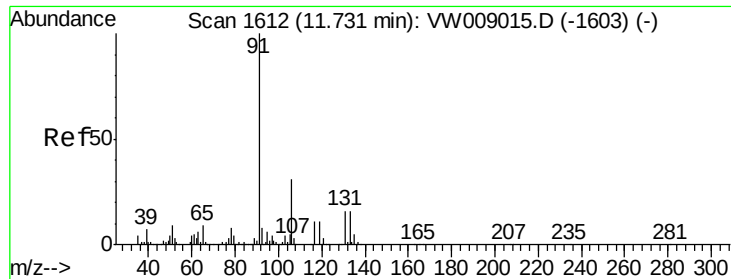
MMDadoda
3/8/2019 12:07:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 9.413 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion:131 Resp: 27450
Ion Ratio Lower Upper
131 100
133 93.3 48.1 144.3
119 64.2 31.1 93.5





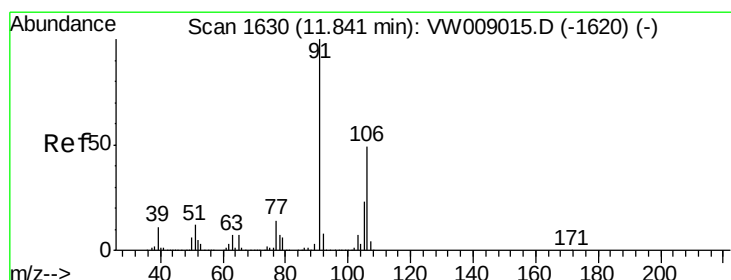
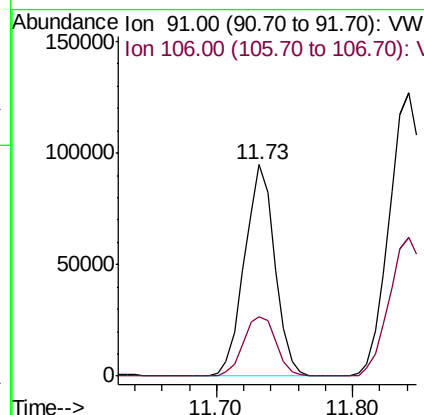
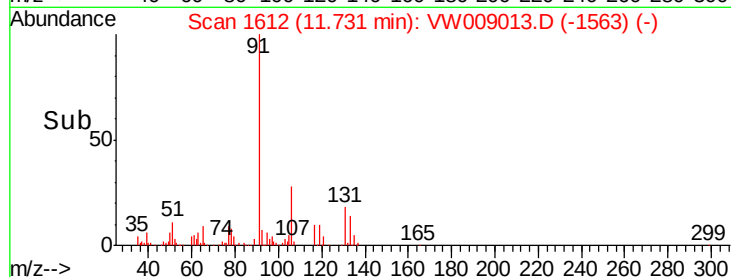
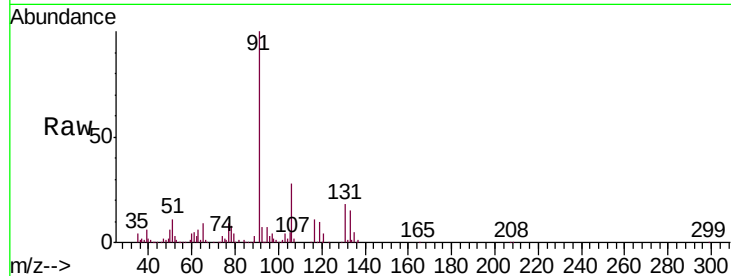
#67
Ethyl Benzene
Concen: 9.409 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion: 91 Resp: 148143
Ion Ratio Lower Upper
91 100
106 28.0 25.2 37.8

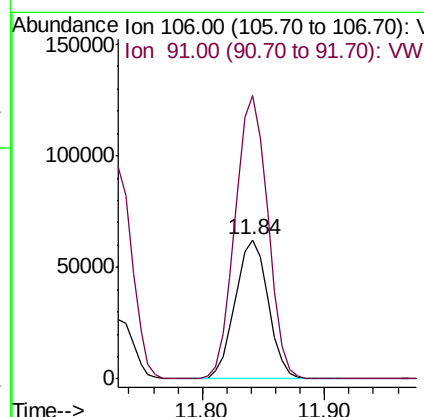
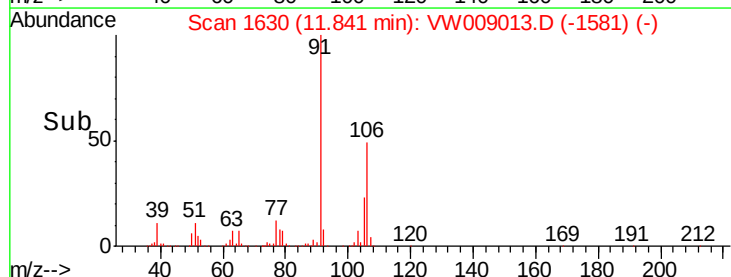
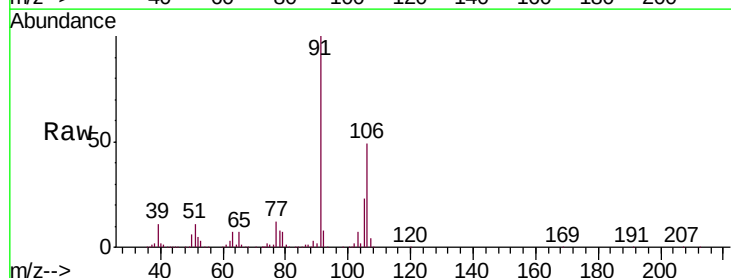
Manual Integrations
APPROVED

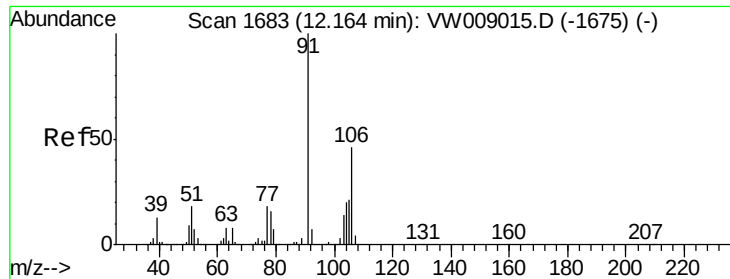
MMDadoda
3/8/2019 12:07:02 AM



#68
m/p-Xylenes
Concen: 18.710 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion: 106 Resp: 116236
Ion Ratio Lower Upper
106 100
91 202.4 162.9 244.3





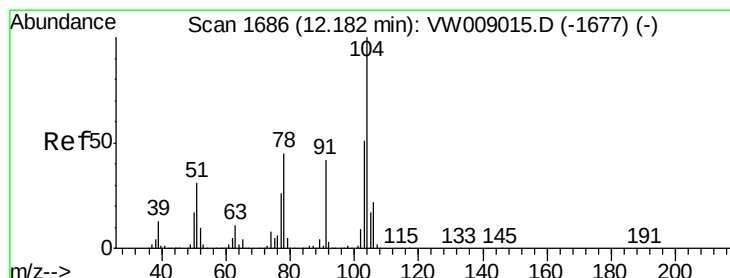
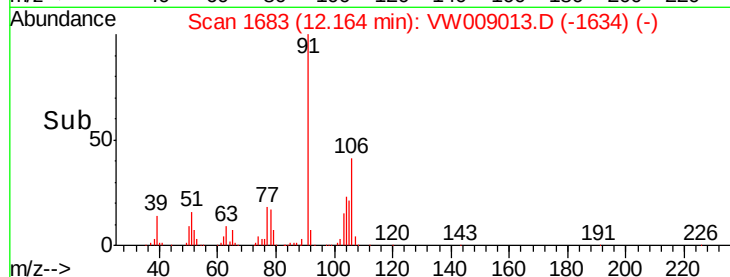
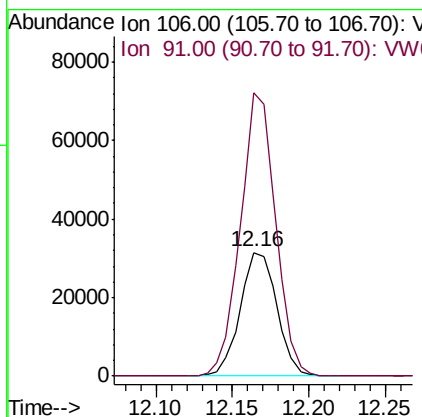
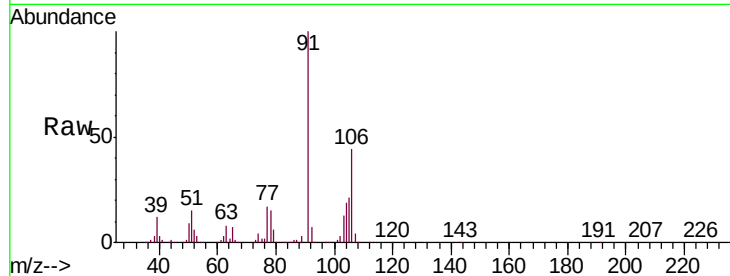
#69
o-Xylene
Concen: 9.068 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion:106 Resp: 52591
Ion Ratio Lower Upper
106 100
91 219.6 107.4 322.2

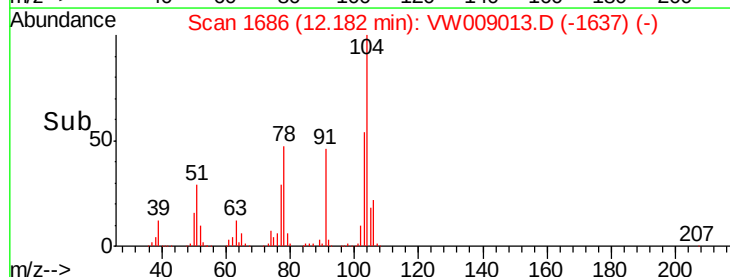
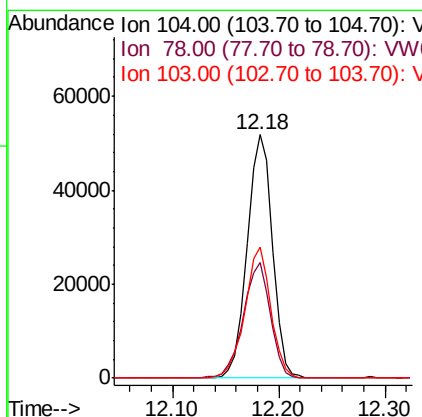
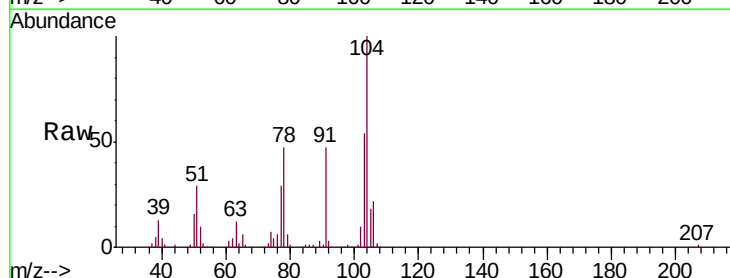
Manual Integrations
APPROVED

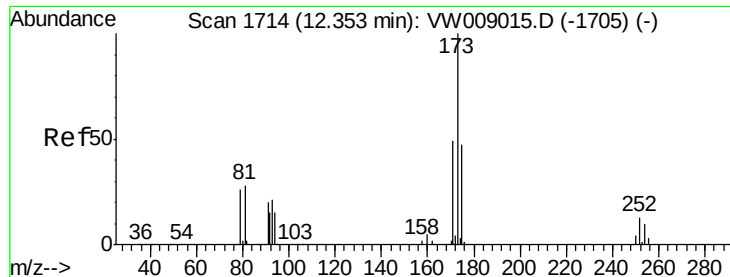
MMDadoda
3/8/2019 12:07:02 AM



#70
Styrene
Concen: 9.223 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion:104 Resp: 86653
Ion Ratio Lower Upper
104 100
78 51.0 41.9 62.9
103 55.4 44.9 67.3





#71

Bromoform

Concen: 9.026 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tgt Ion:173 Resp: 14025

Ion Ratio Lower Upper

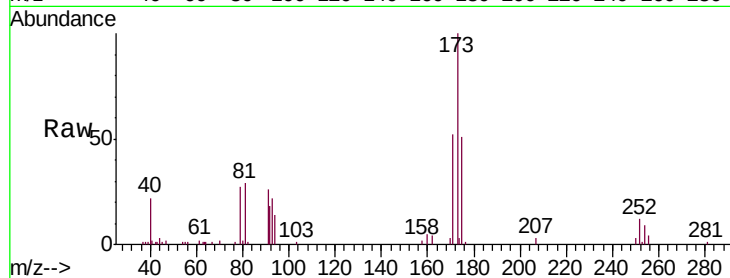
173 100

175 47.7 23.3 69.9

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

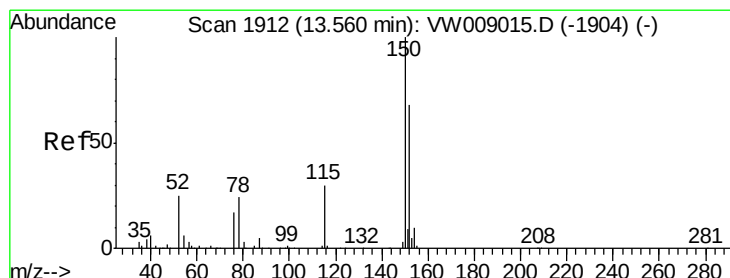
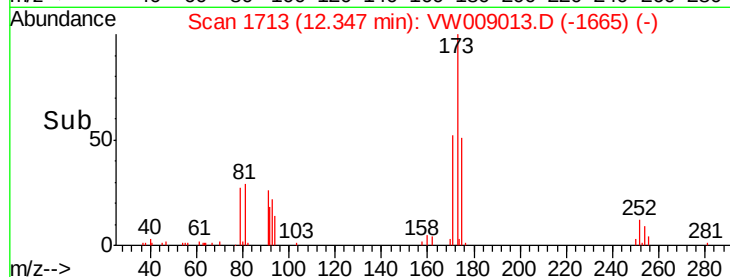
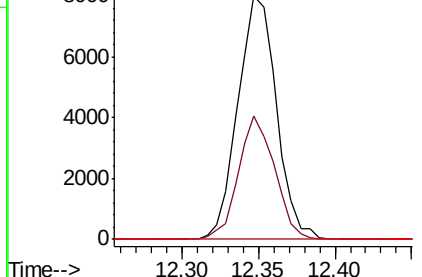
MMDadoda
3/8/2019 12:07:02 AM



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: VW009013.D

Acq: 06 Mar 2019 11:17

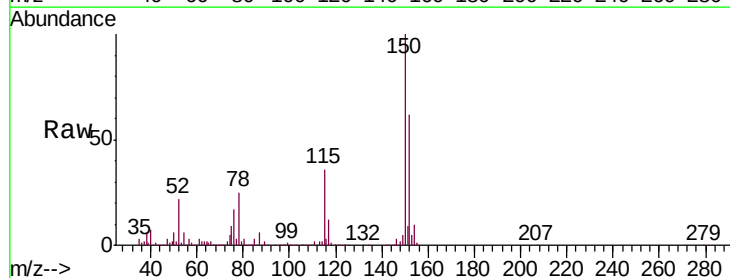
Tgt Ion:152 Resp: 228919

Ion Ratio Lower Upper

152 100

115 58.9 29.3 87.8

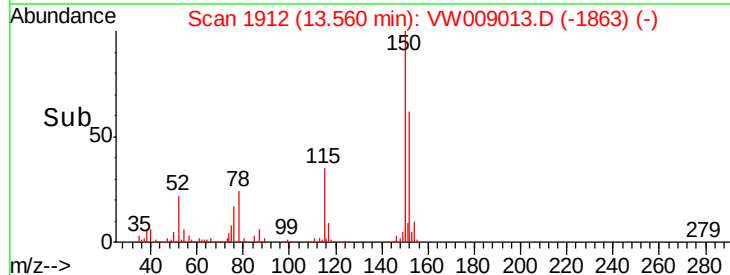
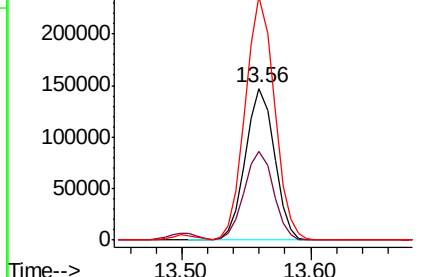
150 161.5 0.0 348.6

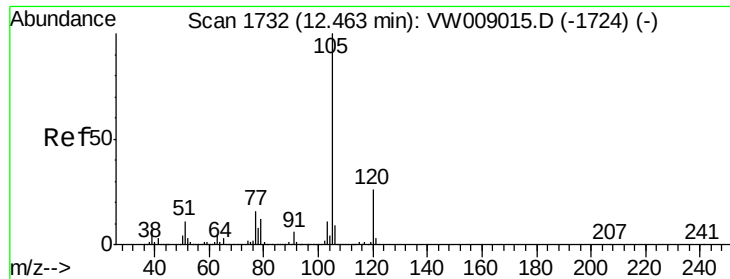


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





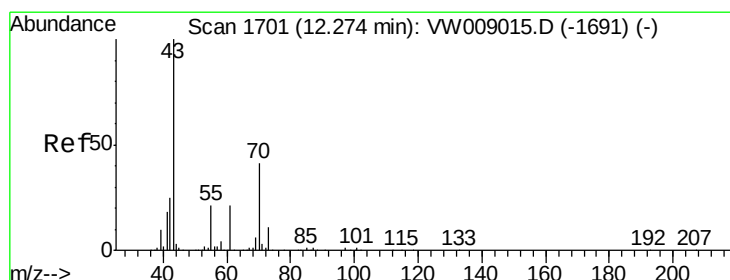
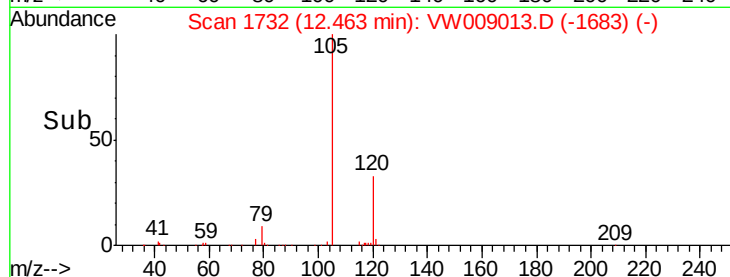
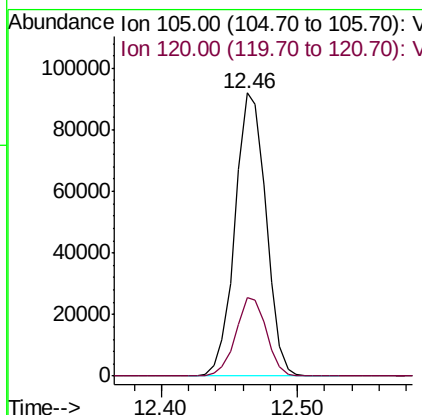
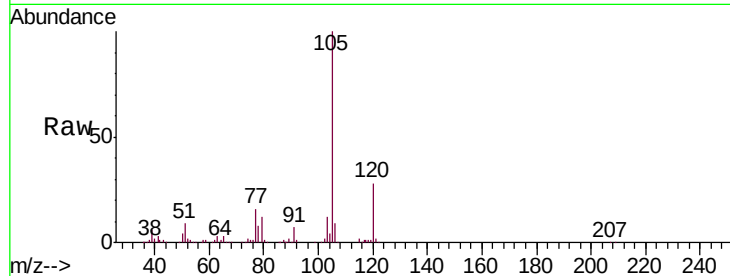
#73
Isopropylbenzene
Concen: 9.295 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.2	39.6

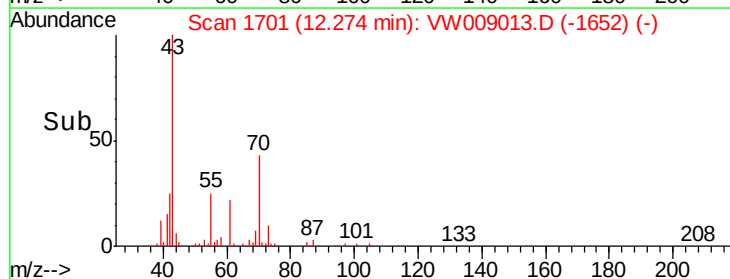
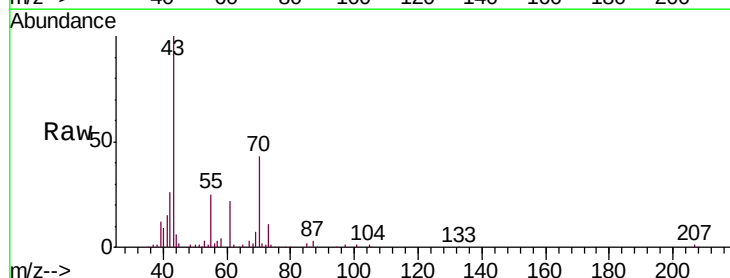
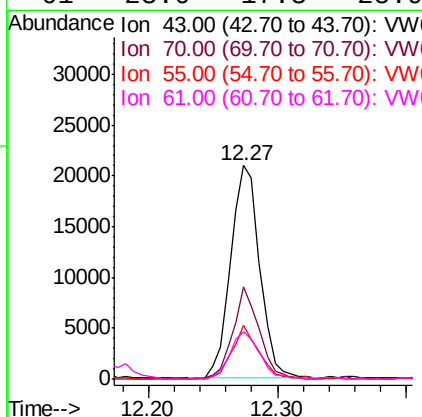
Manual Integrations
APPROVED

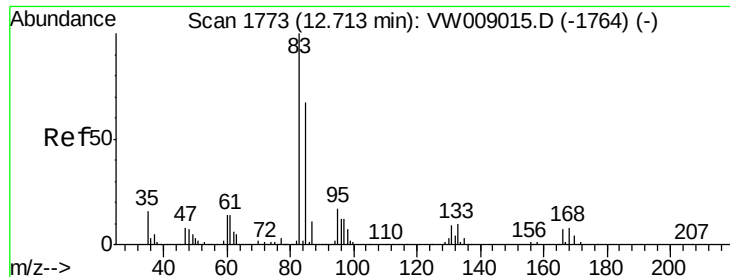
MMDadoda
3/8/2019 12:07:02 AM



#74
N-ethyl acetate
Concen: 8.854 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.1	31.2	46.8
55	23.6	18.0	27.0
61	23.0	17.3	25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 9.437 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

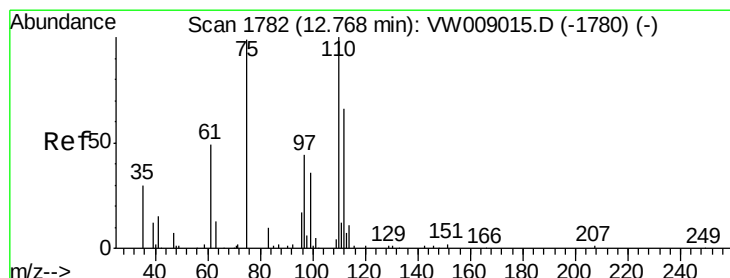
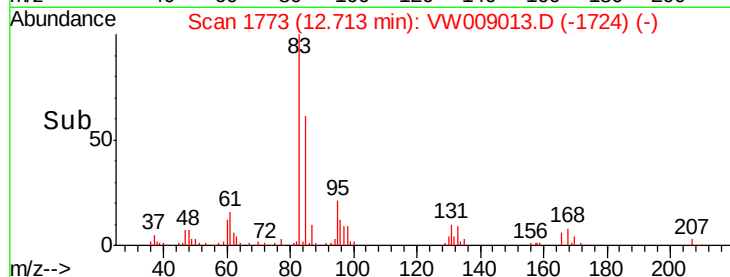
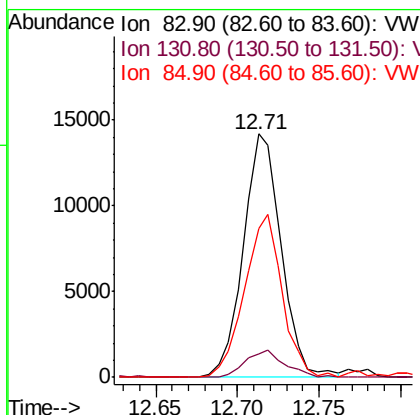
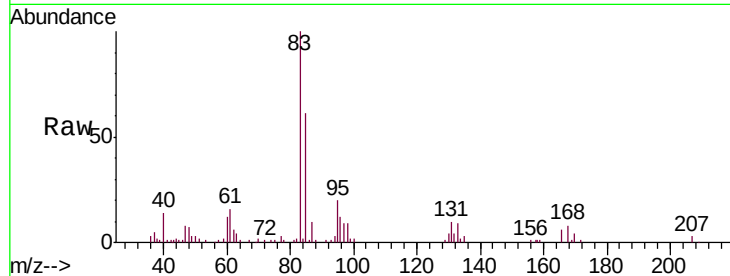
ClientSampled :

VSTDIC010

Tgt Ion:	83	Resp:	23063
Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.5	16.7
85	66.2	32.8	98.3

Manual Integrations
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3/8/2019 12:07:02 AM



#76

1,2,3-Trichloropropane

Concen: 6.447 ug/l m

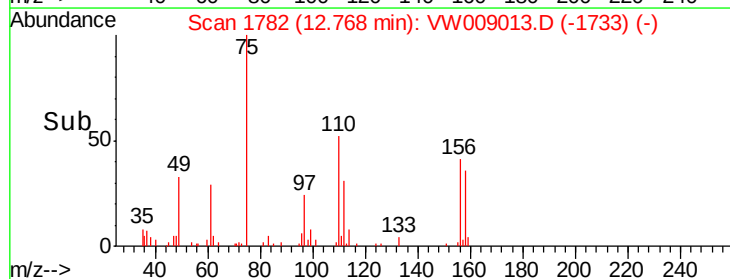
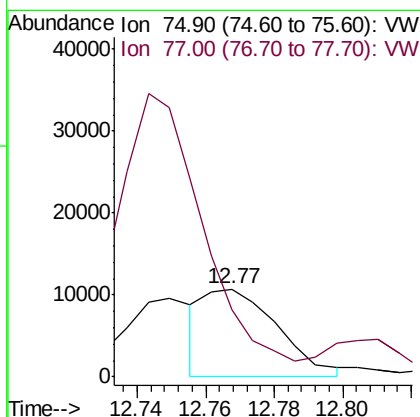
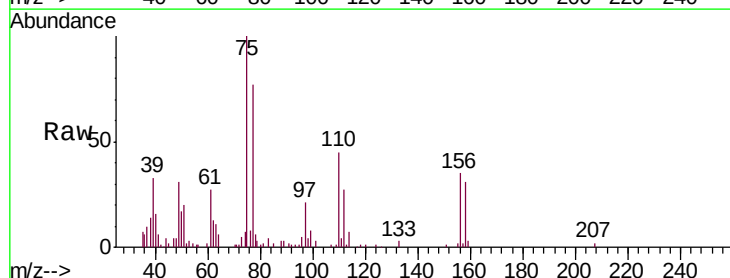
RT: 12.77 min Scan# 1782

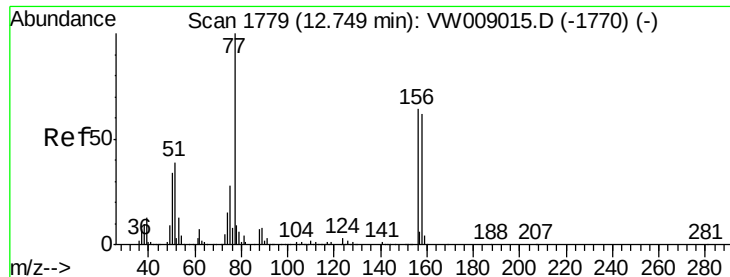
Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Tgt Ion:	75	Resp:	15951
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 9.905 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

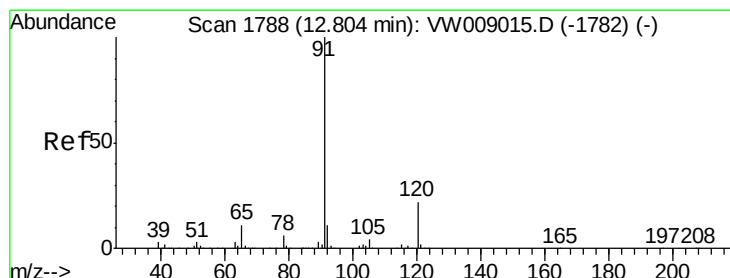
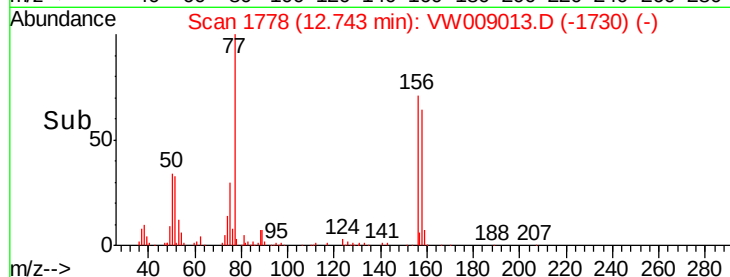
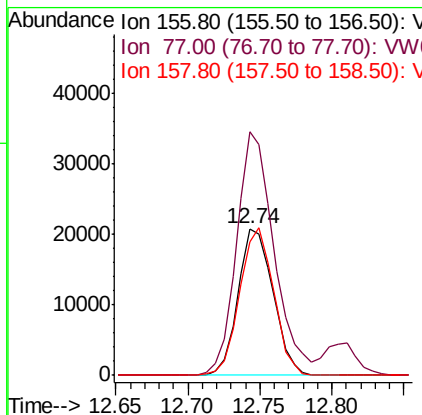
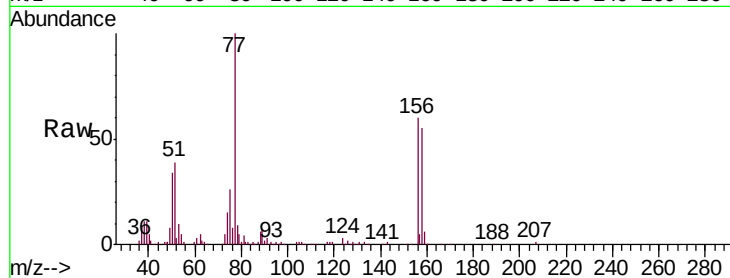
ClientSampled :

VSTDIC010

Tgt Ion:	156	Resp:	35136
Ion Ratio	Lower	Upper	
156	100		
77	177.9	91.6	274.9
158	97.7	48.8	146.4

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#78

n-propylbenzene

Concen: 9.236 ug/l

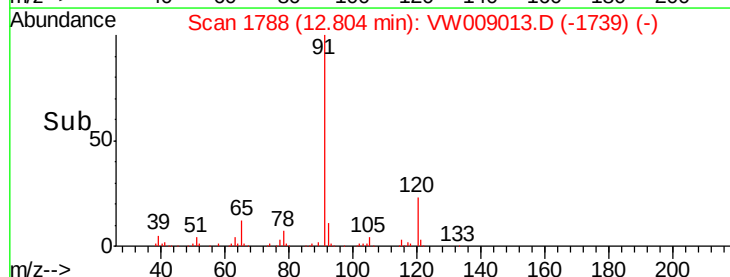
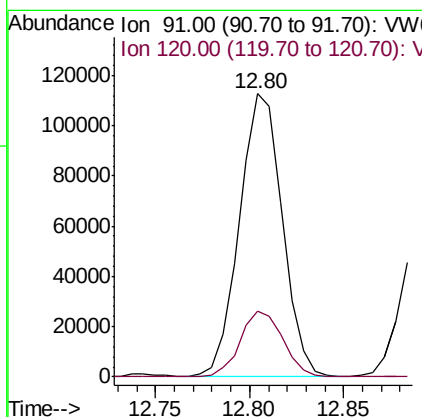
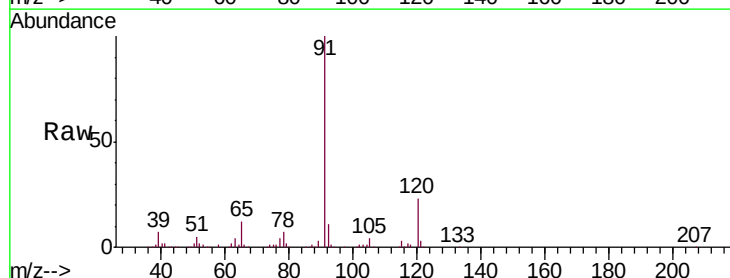
RT: 12.80 min Scan# 1788

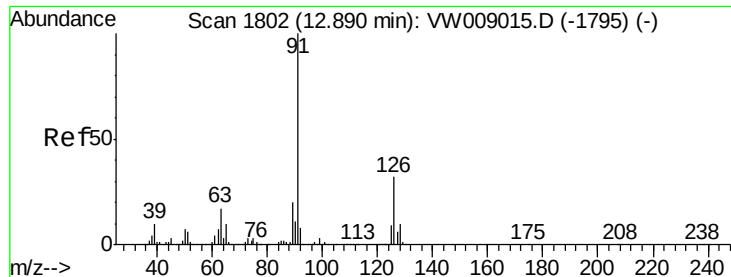
Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Tgt Ion:	91	Resp:	177664
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.3	33.9





#79

2-Chlorotoluene

Concen: 9.540 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 103622

Ion Ratio Lower Upper

91 100

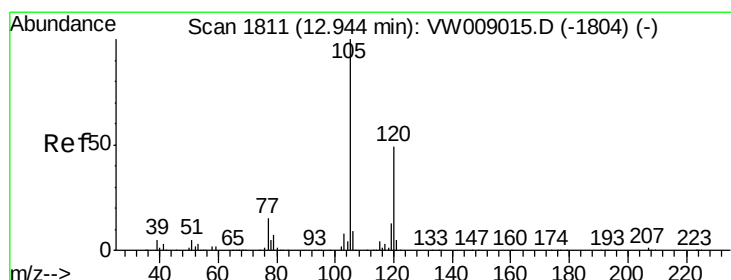
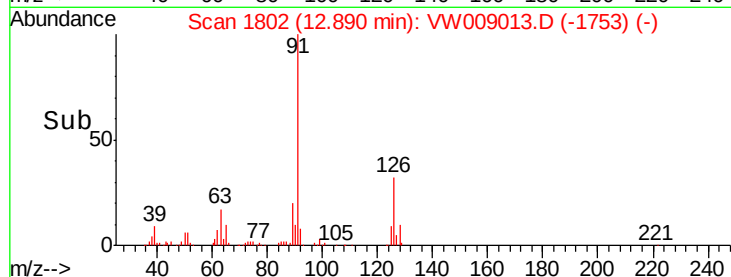
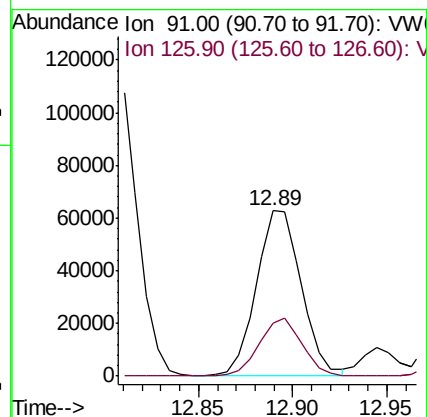
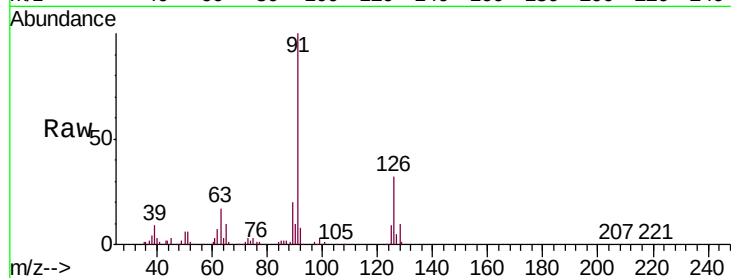
126 33.4 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 9.129 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009013.D

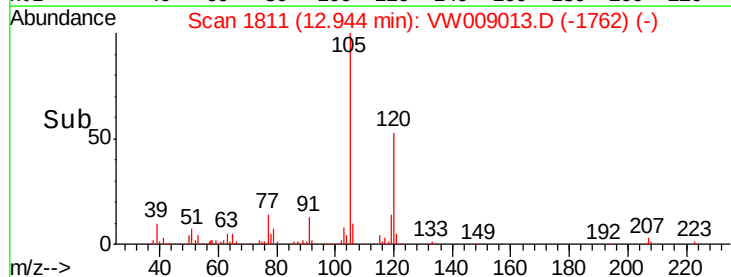
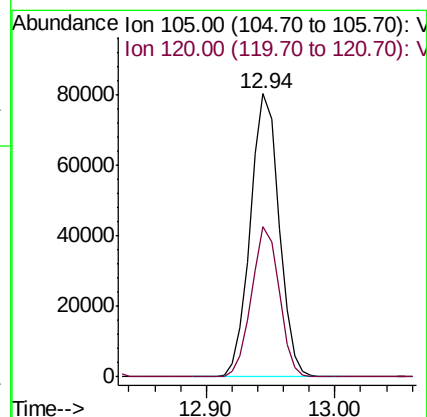
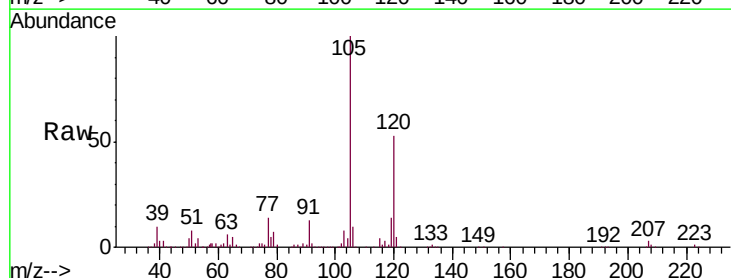
Acq: 06 Mar 2019 11:17

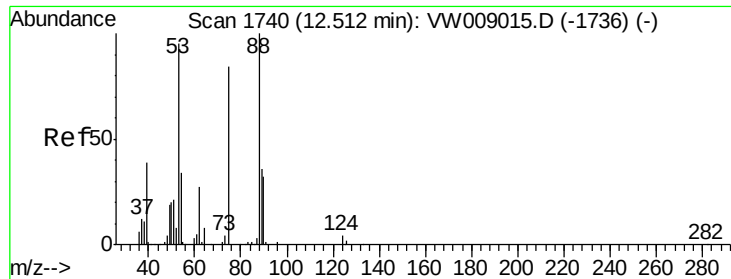
Tgt Ion: 105 Resp: 122761

Ion Ratio Lower Upper

105 100

120 51.3 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 8.300 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

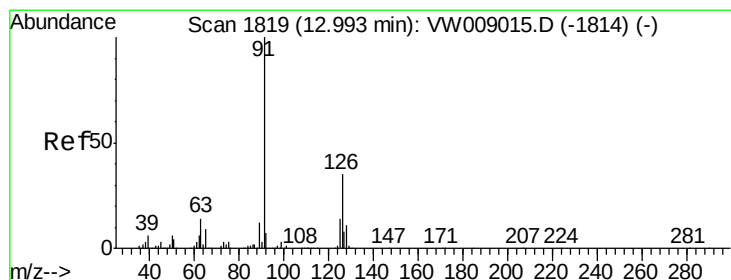
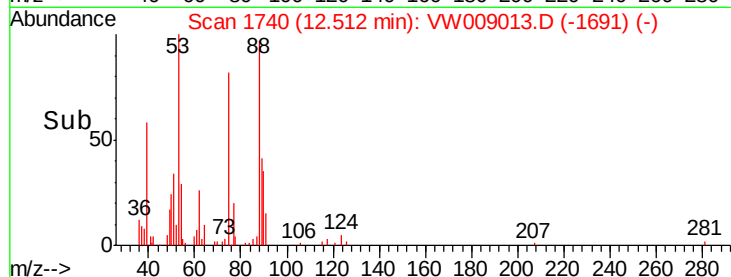
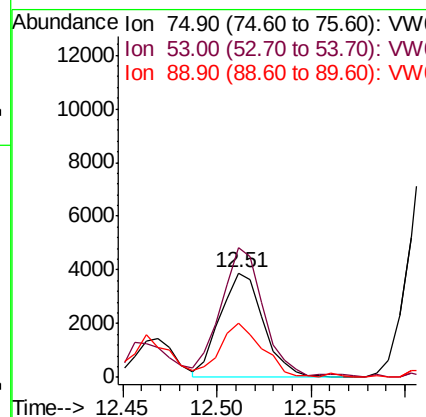
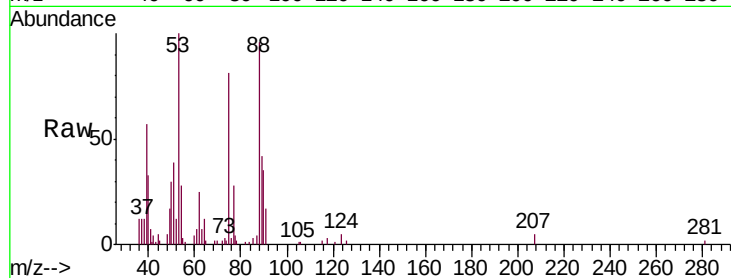
ClientSampled :

VSTDIC010

Tgt Ion:	75	Resp:	6213
Ion	Ratio	Lower	Upper
75	100		
53	117.4	88.5	132.7
89	50.6	36.3	54.5

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#82

4-Chlorotoluene

Concen: 9.531 ug/l

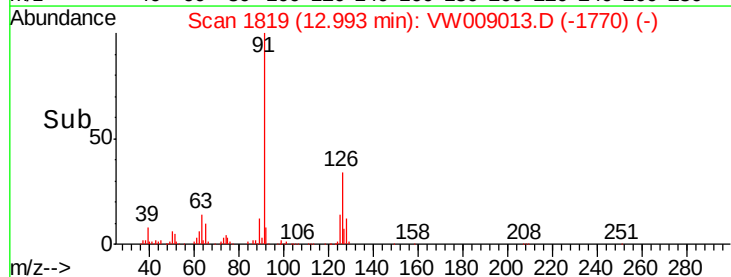
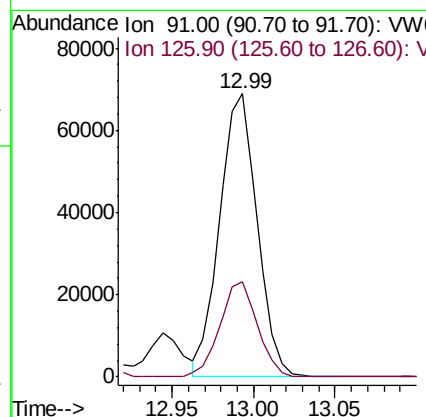
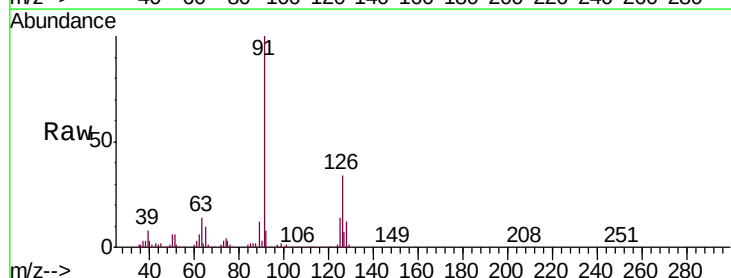
RT: 12.99 min Scan# 1819

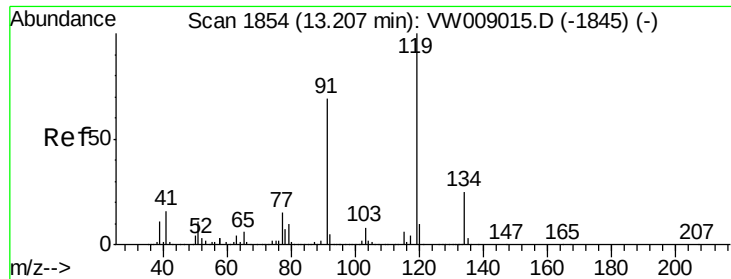
Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Tgt Ion:	91	Resp:	110117
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.9	50.6





#83

tert-Butylbenzene

Concen: 9.602 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009013.D

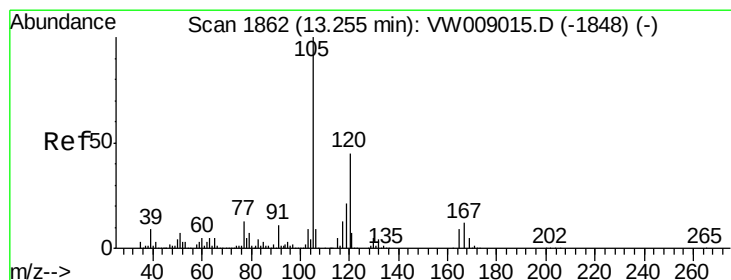
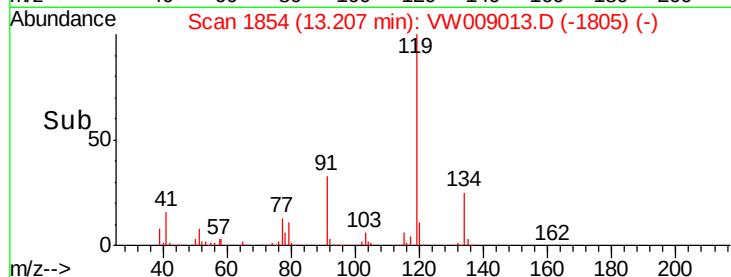
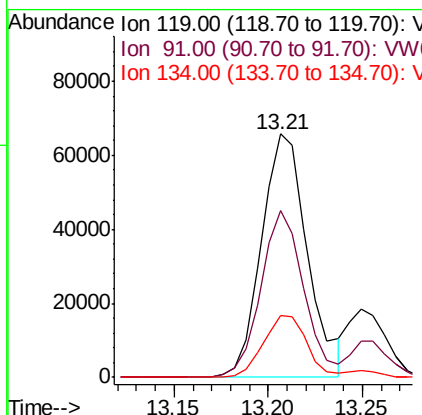
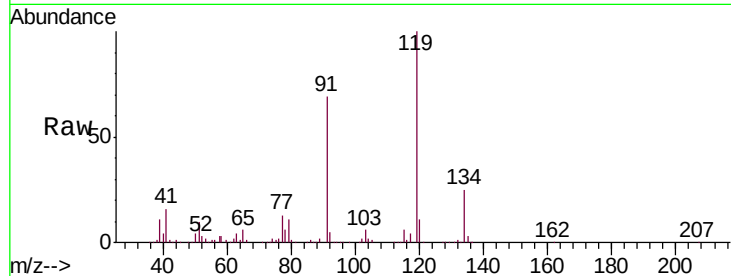
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	111255		
91	64.0	34.3	102.9	
134	24.0	13.6	40.8	

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#84

1,2,4-Trimethylbenzene

Concen: 9.342 ug/l

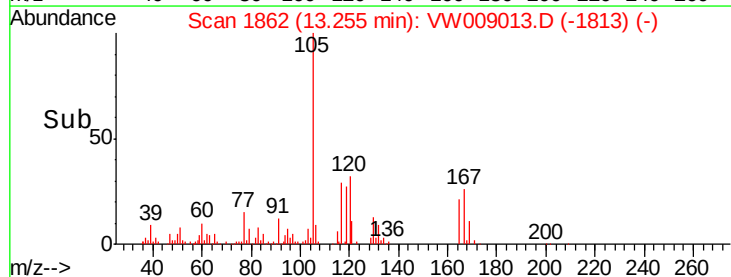
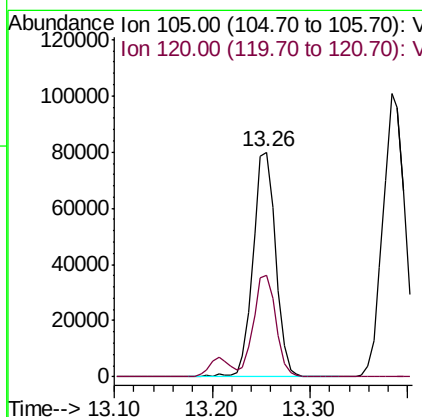
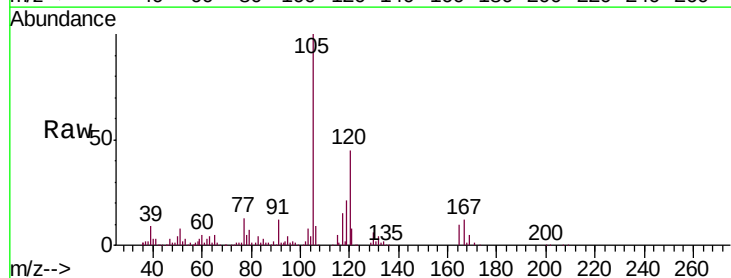
RT: 13.26 min Scan# 1862

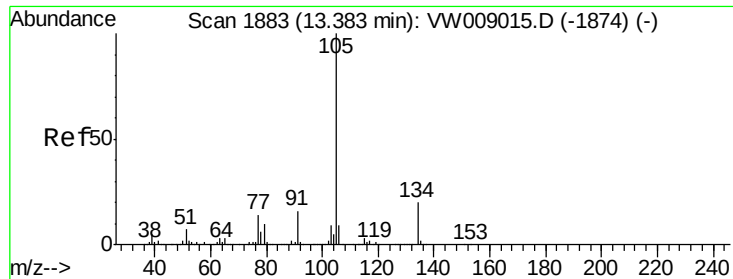
Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	128609		
120	44.6	22.6	67.7	





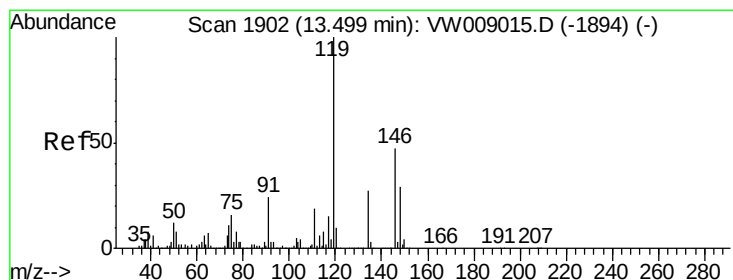
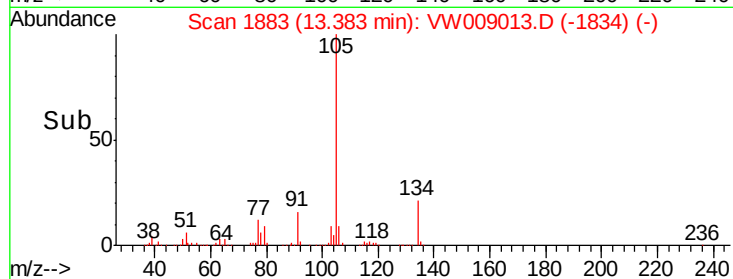
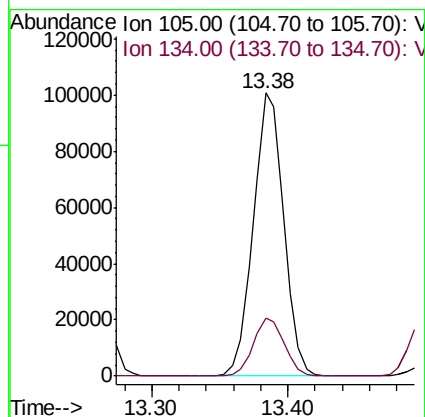
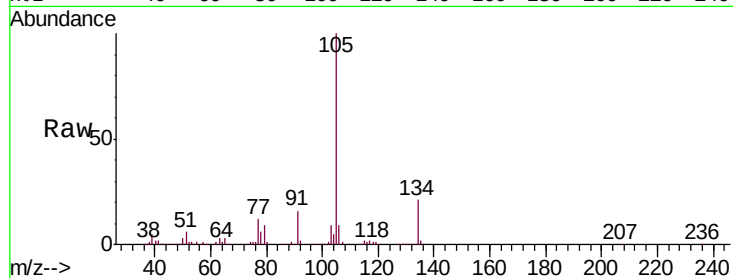
#85
 sec-Butylbenzene
 Concen: 9.322 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion:105 Resp: 157557
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.2 30.6

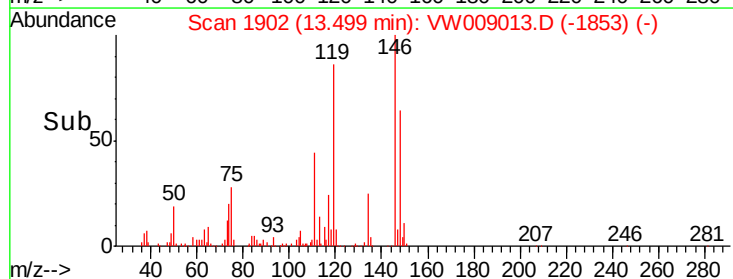
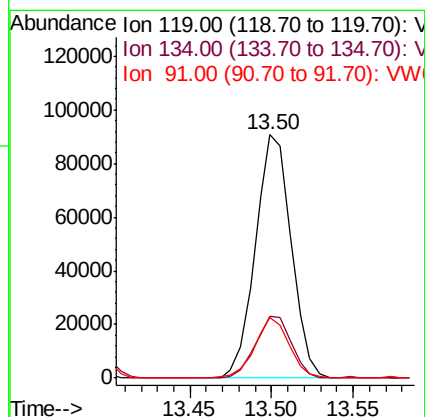
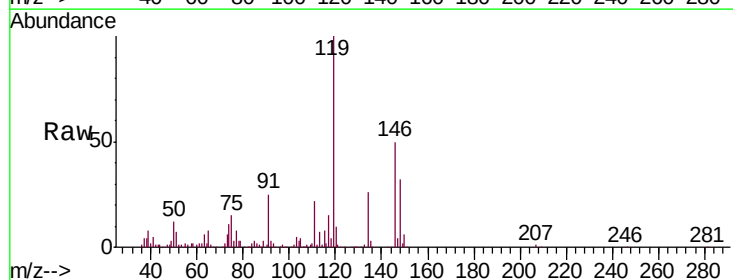
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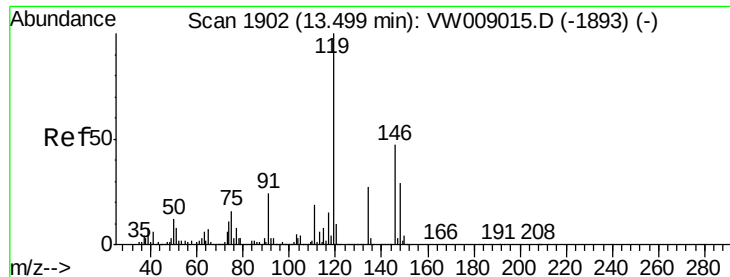
MMDadoda
 3/8/2019 12:07:02 AM



#86
 p-Isopropyltoluene
 Concen: 9.141 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Tgt Ion:119 Resp: 139075
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 38.9
 91 23.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 9.655 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009013.D

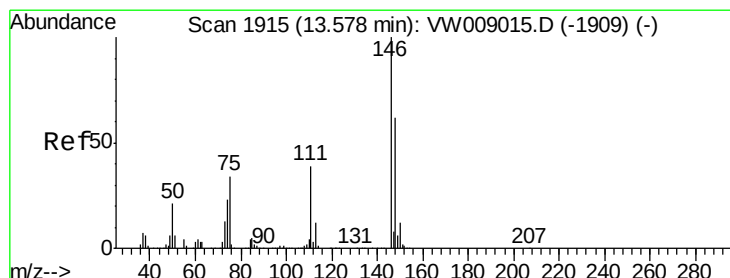
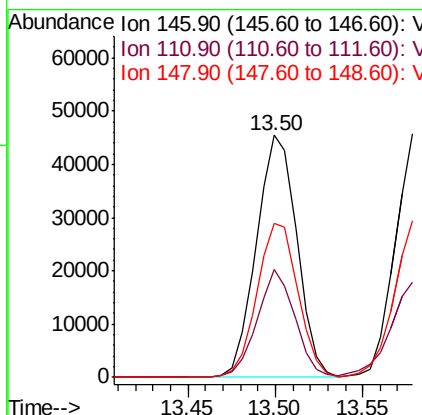
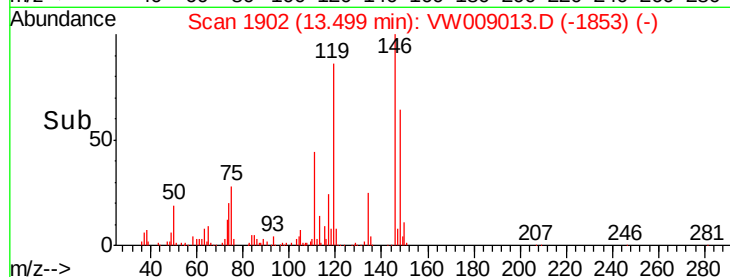
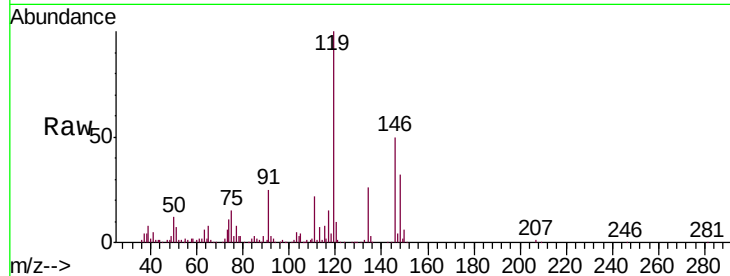
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.6	58.7
148	64.2	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 9.939 ug/l

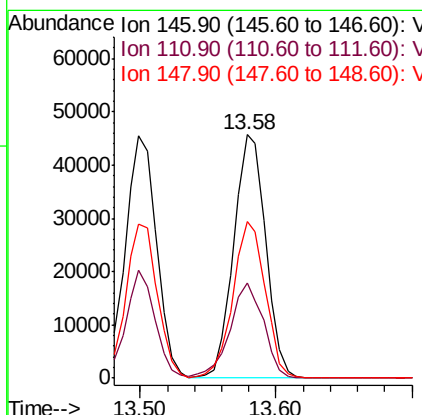
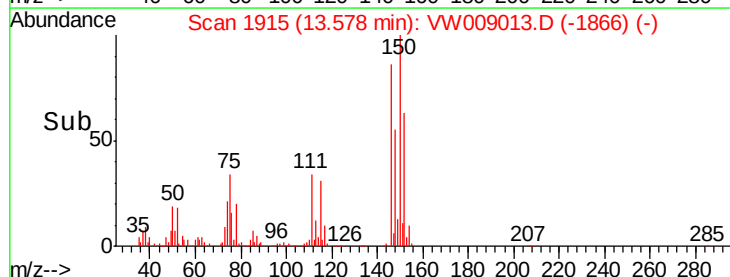
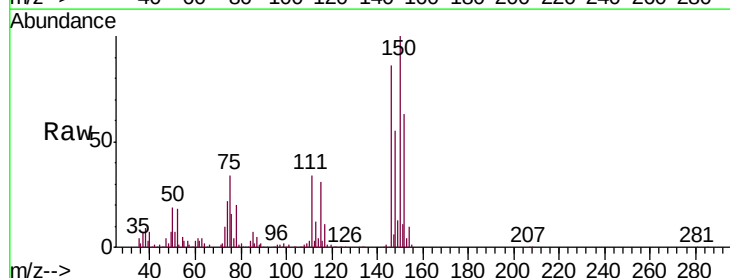
RT: 13.58 min Scan# 1915

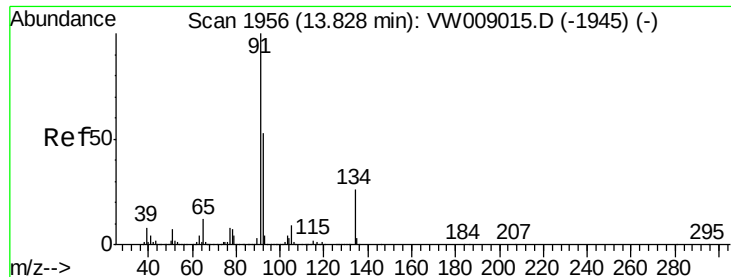
Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.9	59.7
148	65.0	31.7	95.1





#89

n-Butylbenzene

Concen: 9.034 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Instrument :

MSVOA_W

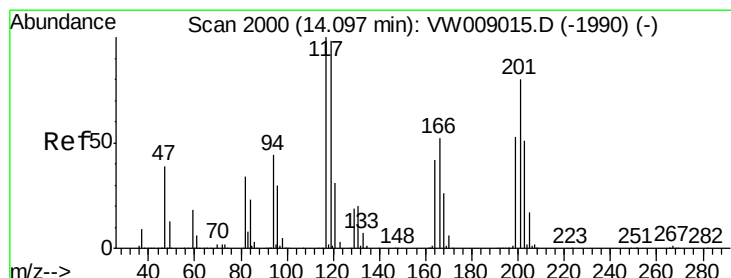
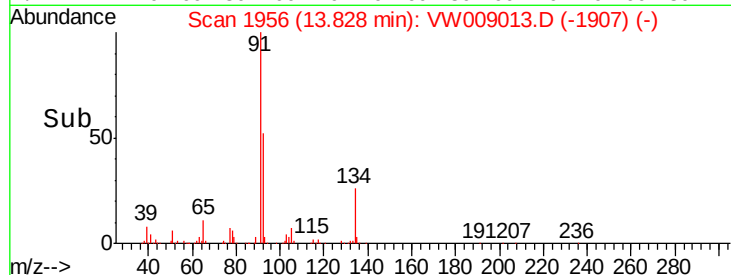
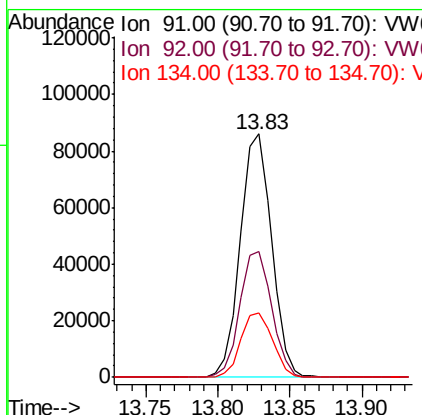
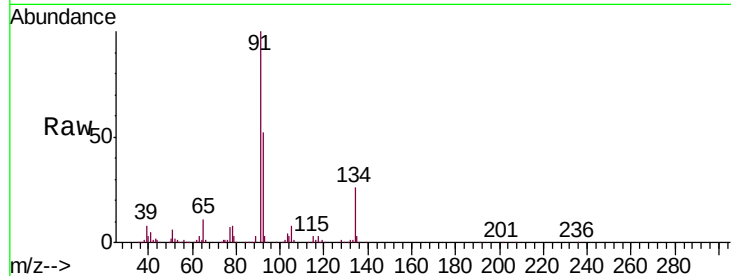
ClientSampleId :

VSTDIC010

Tgt Ion:	91	Resp:	130116
Ion Ratio	Lower	Upper	
91	100		
92	52.7	26.7	80.0
134	27.0	13.0	39.0

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#90

Hexachloroethane

Concen: 9.351 ug/l

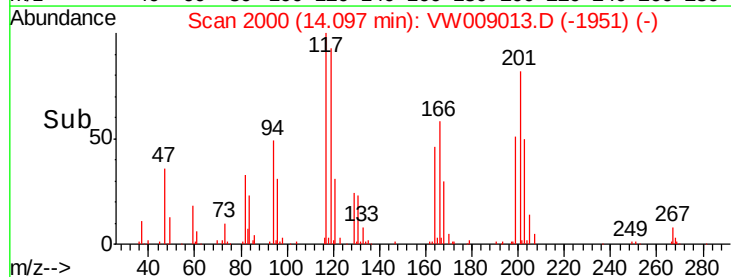
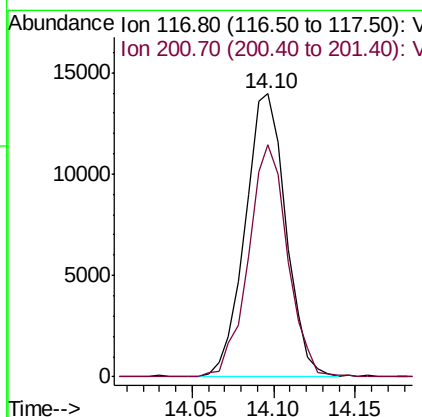
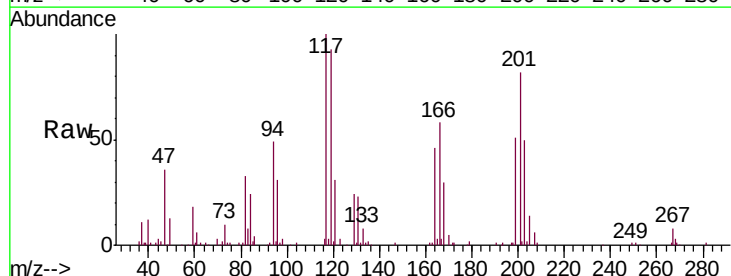
RT: 14.10 min Scan# 2000

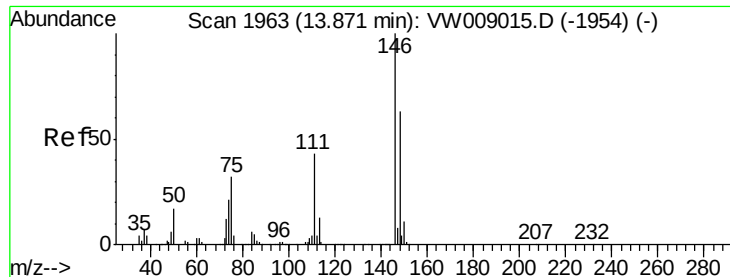
Delta R.T. 0.00 min

Lab File: VW009013.D

Acq: 06 Mar 2019 11:17

Tgt Ion:	117	Resp:	24371
Ion Ratio	Lower	Upper	
117	100		
201	78.7	38.9	116.6





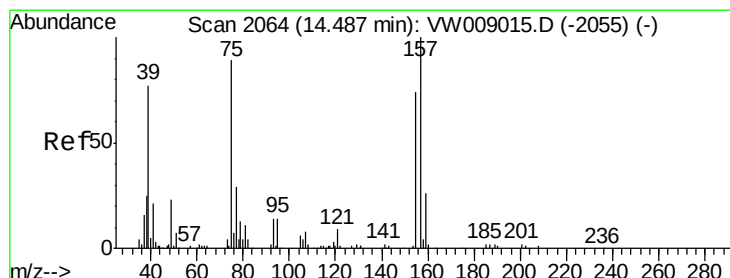
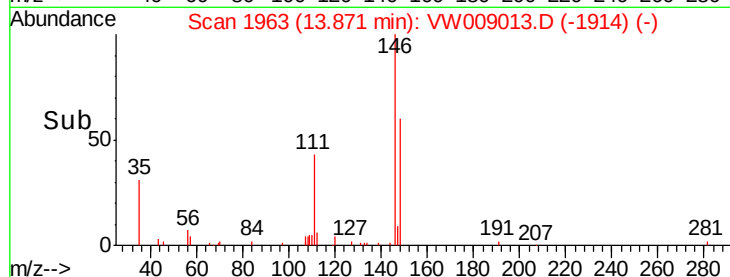
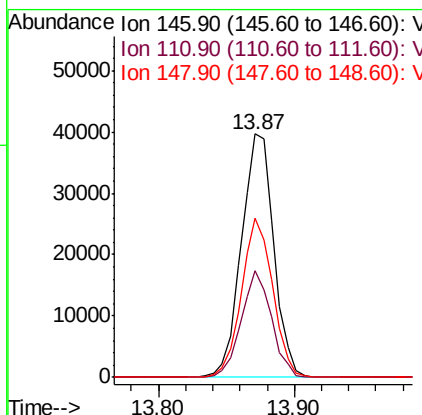
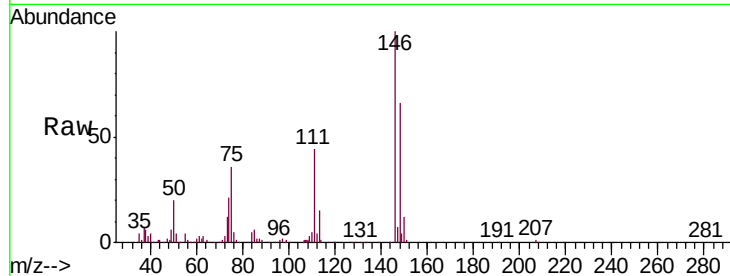
#91
 1,2-Dichlorobenzene
 Concen: 9.902 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	65788		
111	40.8		20.8	62.4
148	63.1		31.8	95.3

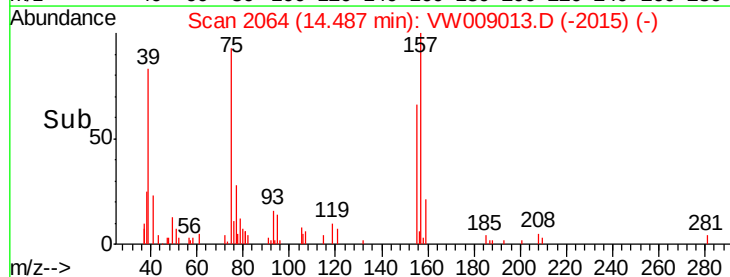
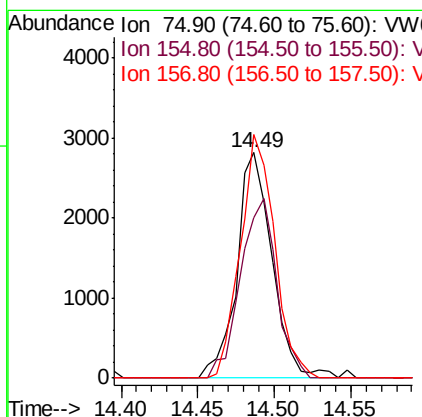
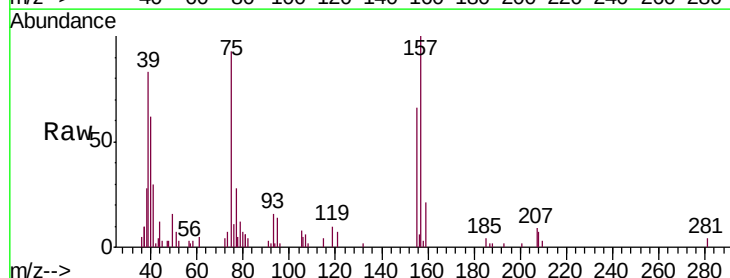
Manual Integrations
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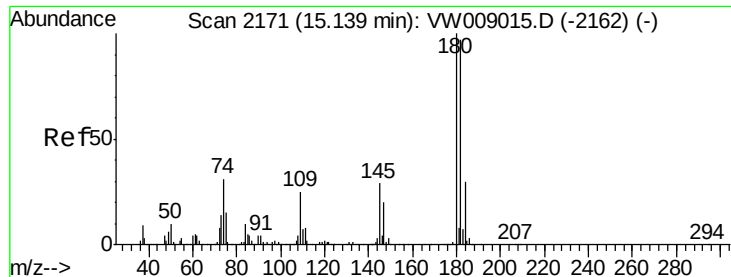
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.096 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009013.D
 Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	4510		
155	81.8		41.4	124.4
157	105.0		53.1	159.4





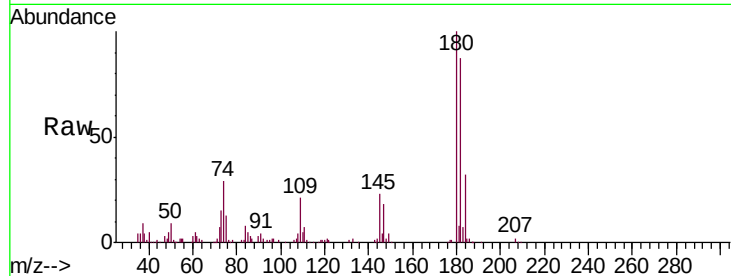
#93
1,2,4-Trichlorobenzene
Concen: 9.622 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	43777		
182	94.3	47.6	142.9	
145	28.5	14.7	44.1	

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3/8/2019 12:07:02 AM

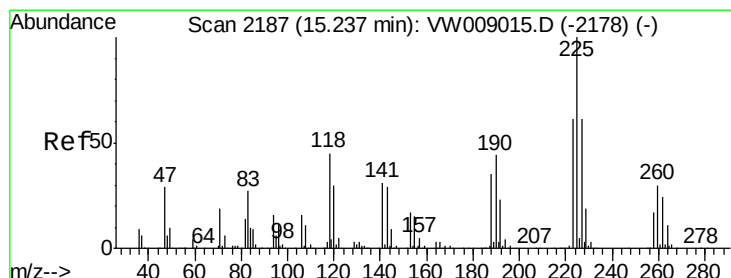
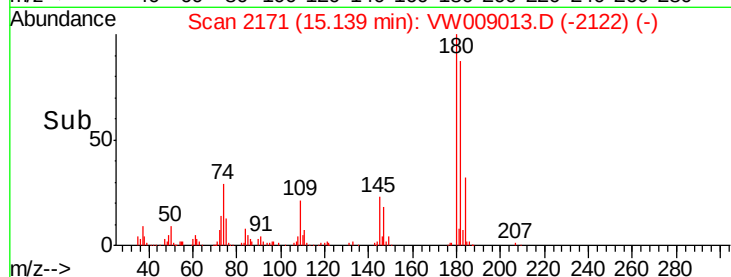
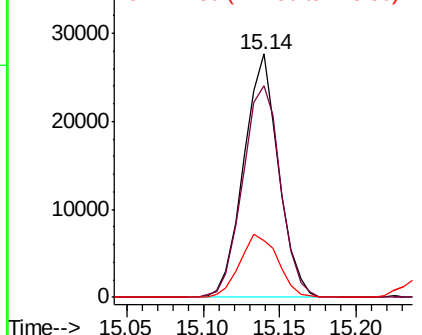


Abundance

Ion 179.80 (179.50 to 180.50): V

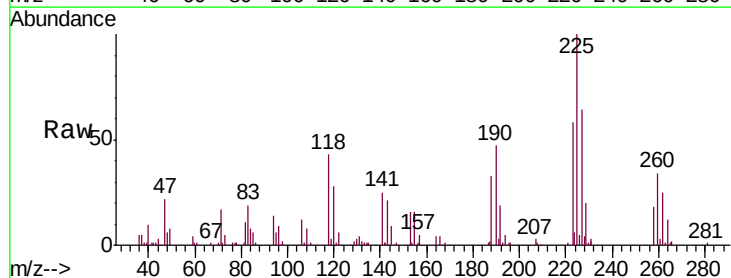
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 10.518 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	30415		
223	60.5	30.6	91.8	
227	61.1	31.2	93.6	

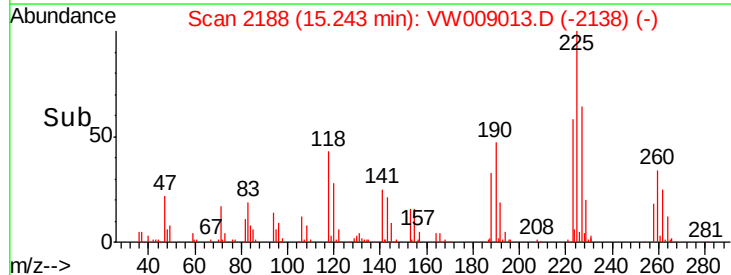
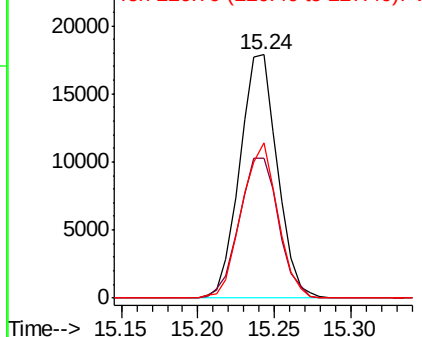


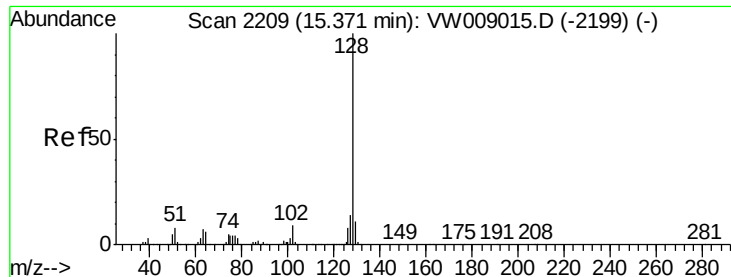
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





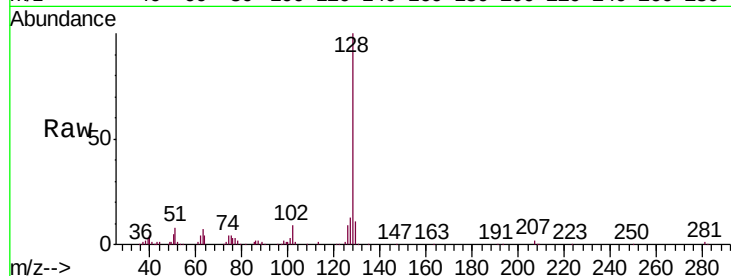
#95
Naphthalene
Concen: 8.806 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	64956		
127	13.4	11.0	16.4	
129	11.3	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:02 AM

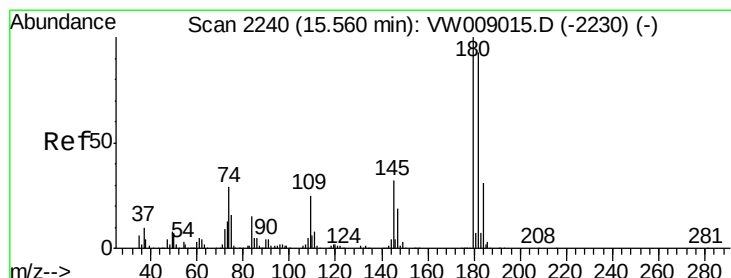
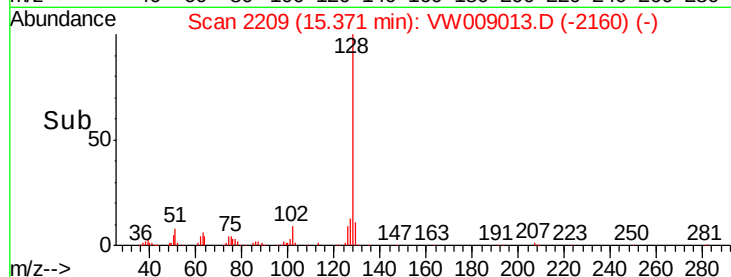
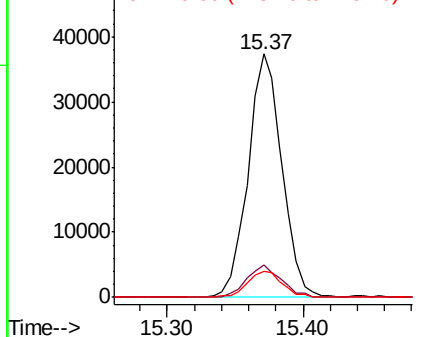


Abundance

Ion 128.00 (127.70 to 128.70): V

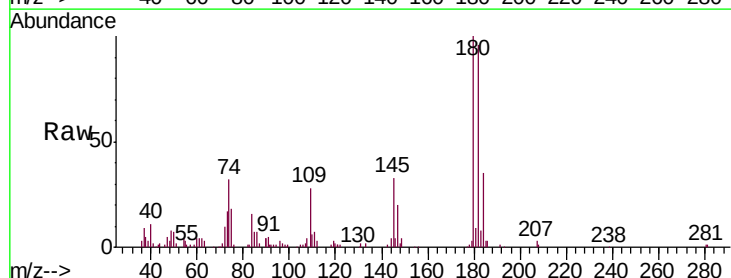
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 9.627 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009013.D
Acq: 06 Mar 2019 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	37920		
182	95.1	47.3	141.8	
145	32.4	15.4	46.2	



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

