

Data File : VW008972.D
Acq On : 04 Mar 2019 21:01
Operator : SY/VA
Sample : VW0305SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Manual Integrations
APPROVED

MMDadoda
3/8/2019 10:54:04 AM

Quant Time: Mar 05 06:58:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	268381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	394513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	208093	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143336	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	
35) Dibromofluoromethane	7.88	113	129713	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
50) Toluene-d8	10.32	98	476814	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
62) 4-Bromofluorobenzene	12.62	95	186858	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	52141	19.397	ug/l	93
3) Chloromethane	2.21	50	70824	21.645	ug/l	100
4) Vinyl Chloride	2.35	62	69686	20.115	ug/l	98
5) Bromomethane	2.76	94	64376	25.018	ug/l	99
6) Chloroethane	2.91	64	51160	20.796	ug/l	98
7) Trichlorofluoromethane	3.26	101	95798	21.864	ug/l	90
8) Diethyl Ether	3.68	74	29703	21.413	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	58394	21.946	ug/l	99
10) Methyl Iodide	4.26	142	57832	17.381	ug/l	99
11) Tert butyl alcohol	5.19	59	21428	95.620	ug/l	99
12) 1,1-Dichloroethene	4.03	96	50665	21.561	ug/l	95
13) Acrolein	3.90	56	16361	83.521	ug/l	99
14) Allyl chloride	4.67	41	86693	21.376	ug/l	96
15) Acrylonitrile	5.37	53	67055	112.635	ug/l	99
16) Acetone	4.13	43	58309	99.937	ug/l	99
17) Carbon Disulfide	4.37	76	154766	19.851	ug/l	95
18) Methyl Acetate	4.67	43	30220	21.837	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	144974	22.794	ug/l	98
20) Methylene Chloride	4.92	84	70398	21.590	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	60437	22.234	ug/l	86
22) Diisopropyl ether	6.31	45	183213	22.646	ug/l	99
23) Vinyl Acetate	6.26	43	569422	113.916	ug/l	99
24) 1,1-Dichloroethane	6.21	63	106411	22.698	ug/l	99
25) 2-Butanone	7.18	43	86836	106.454	ug/l	96
26) 2,2-Dichloropropane	7.17	77	86784	20.390	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	65022	22.363	ug/l	98
28) Bromochloromethane	7.51	49	42570	21.699	ug/l	100
29) Tetrahydrofuran	7.53	42	55758	107.262	ug/l	98
30) Chloroform	7.67	83	109406	22.748	ug/l	94
31) Cyclohexane	7.95	56	99539	20.976	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	100500	22.978	ug/l	98
36) 1,1-Dichloropropene	8.08	75	86186	22.442	ug/l	99
37) Ethyl Acetate	7.25	43	41012	22.965	ug/l	98
38) Carbon Tetrachloride	8.07	117	88772	21.919	ug/l	98

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97093	20.269	ug/l	96
40) Benzene	8.32	78	230657	21.998	ug/l	100
41) Methacrylonitrile	7.48	41	21903	20.865	ug/l	97
42) 1,2-Dichloroethane	8.40	62	78133	23.523	ug/l	100
43) Isopropyl Acetate	8.43	43	78945	22.149	ug/l	99
44) Trichloroethene	9.09	130	64746	21.920	ug/l	96
45) 1,2-Dichloropropane	9.37	63	59617	23.009	ug/l	97
46) Dibromomethane	9.46	93	34003	23.593	ug/l	93
47) Bromodichloromethane	9.65	83	81636	23.281	ug/l #	98
48) Methyl methacrylate	9.43	41	34262	20.071	ug/l	96
49) 1,4-Dioxane	9.45	88	8744	378.851	ug/l #	68
51) 4-Methyl-2-Pentanone	10.21	43	197477	109.131	ug/l	99
52) Toluene	10.39	92	156467	21.988	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	78309	21.910	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	91983	22.565	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	45824	23.445	ug/l	97
56) Ethyl methacrylate	10.65	69	52946	20.850	ug/l	99
57) 1,3-Dichloropropane	10.93	76	79971	23.173	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	143287	112.191	ug/l	99
59) 2-Hexanone	10.97	43	130909	101.629	ug/l	100
60) Dibromochloromethane	11.13	129	55110	23.116	ug/l	100
61) 1,2-Dibromoethane	11.23	107	43784	22.631	ug/l	98
64) Tetrachloroethene	10.86	164	59220	21.782	ug/l	96
65) Chlorobenzene	11.66	112	172092	21.548	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	60491	22.401	ug/l	99
67) Ethyl Benzene	11.73	91	303158	21.234	ug/l	99
68) m/p-Xylenes	11.84	106	246731	43.253	ug/l	98
69) o-Xylene	12.17	106	114488	21.383	ug/l	100
70) Styrene	12.18	104	183278	21.277	ug/l	99
71) Bromoform	12.35	173	31576	21.753	ug/l #	99
73) Isopropylbenzene	12.47	105	308891	21.653	ug/l	99
74) N-amyl acetate	12.27	43	73679	20.504	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	52198	22.393	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	37906m	22.063	ug/l	
77) Bromobenzene	12.75	156	74495	22.098	ug/l	98
78) n-propylbenzene	12.80	91	380381	21.798	ug/l	100
79) 2-Chlorotoluene	12.89	91	215801	21.782	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	264888	21.367	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14871	21.042	ug/l	98
82) 4-Chlorotoluene	12.99	91	226690	21.713	ug/l	99
83) tert-Butylbenzene	13.21	119	226690	21.148	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	271069	21.123	ug/l	100
85) sec-Butylbenzene	13.38	105	327502	21.248	ug/l	99
86) p-Isopropyltoluene	13.50	119	291050	20.598	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	154502	22.090	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	151082	21.917	ug/l	99
89) n-Butylbenzene	13.83	91	273846	20.687	ug/l	99
90) Hexachloroethane	14.10	117	50729	21.931	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	135359	21.720	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8886	21.074	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030519\
Quantitation Report (QT Reviewed)

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Operator : SY/VA
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Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	92082	20.507	ug/l	99
94) Hexachlorobutadiene	15.24	225	59111	22.349	ug/l	99
95) Naphthalene	15.37	128	148244	19.390	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	80093	20.630	ug/l	97

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

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3/8/2019 10:54:04 AM

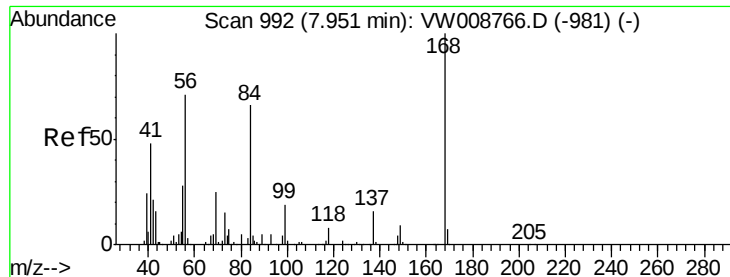
TIC: VW008972.D

Abundance

Time-->

Compounds identified (from left to right):

- Dichlorodifluoromethane, T
- Chloromethane, P
- Vinyl Chloride, C
- Bromomethane, T
- Chloroethane, I
- Trichlorofluoromethane, T
- Diethyl Ether, T
- Acrolein, T
- Methyl Carbon Disulfide, T
- Methyl acetate, T
- Methylene Chloride, T
- Tert butyl alcohol, T
- Acrylonitrile, T
- 1,1-Dichloroethene, T
- Isopropyl Alcohol, T
- Ethyl Acetate, T
- Methyl Chloride, T
- Chloroform, C
- 1,2-Dibromochloroethane, T
- Trichloroethene, TM
- 1,2-Dichloropropane, T
- Bromodichloromethane, T
- cis-1,3-Dichloropropene, T
- 2-Chloroethyl Vinyl ether, T
- Toluene, CM
- 2-Methyl-2-Pentanone, T
- Ethyl methyl 3-chloropropene, T
- 1,2-Dichloroethane, T
- 1,3-Dichloropropane, T
- 1,2-Dibromobenzene, T
- Chlorobenzene, PM
- Ethyl Benzene, T
- n/p-Xylenes, T
- Chlorobenzene-d5, I
- 4-Bromofluorobenzene, S
- Isopropylbenzene, T
- n-propylbenzene, T
- 1,3,5-Trimethylbenzene, T
- 2-Chlorotoluene, T
- tert-Butylbenzene, T
- sec-Butylbenzene, T
- 1,2,4-Trimethylbenzene, T
- 1,4-Dichlorobenzene, T
- n-Butylbenzene, T
- Hexachloroethane, T
- 1,2-Dichlorobenzene, T
- 1,2-Dibromo-3-Chloropropane, T
- Naphthalene, T
- 1,2,4-Trichlorobenzene, T
- 1,2,3-Trichlorobenzene, T
- 1,2,4-Tetrachlorobenzene, T
- 1,2,4,5-Tetrachlorobenzene, T



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008972.D

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Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion:168 Resp: 268381

Ion Ratio Lower Upper

168 100

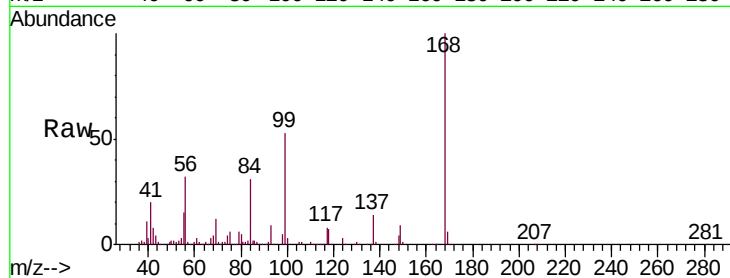
99 52.9 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

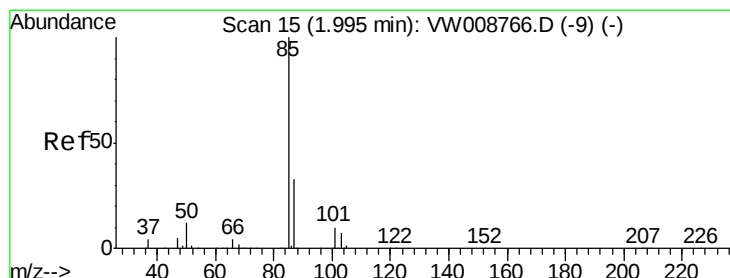
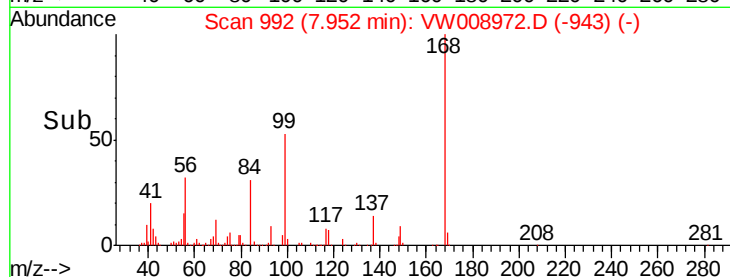
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.397 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008972.D

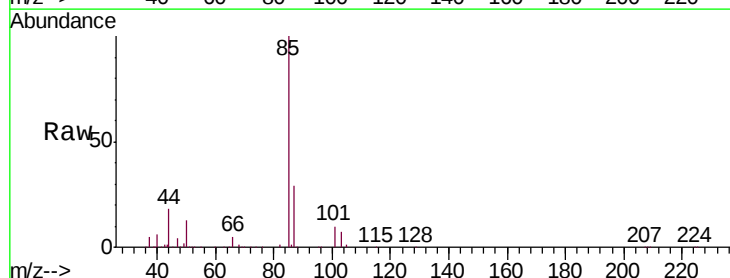
Acq: 04 Mar 2019 21:01

Tgt Ion: 85 Resp: 52141

Ion Ratio Lower Upper

85 100

87 28.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

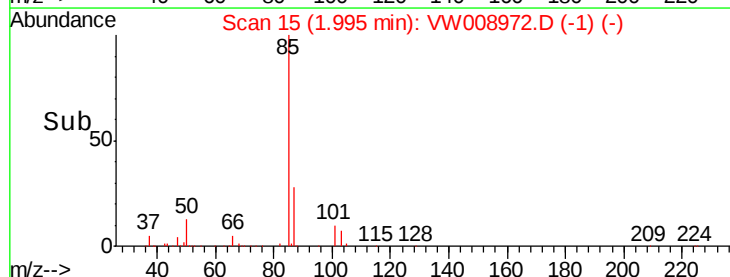
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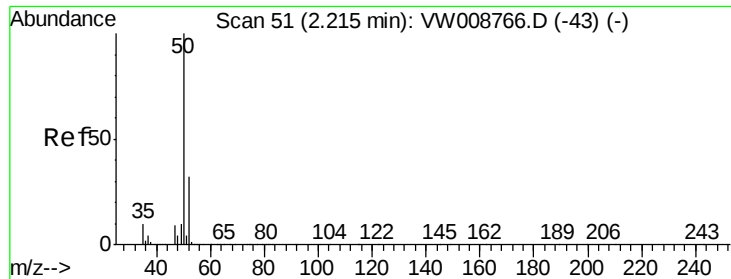
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10000

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Time-->





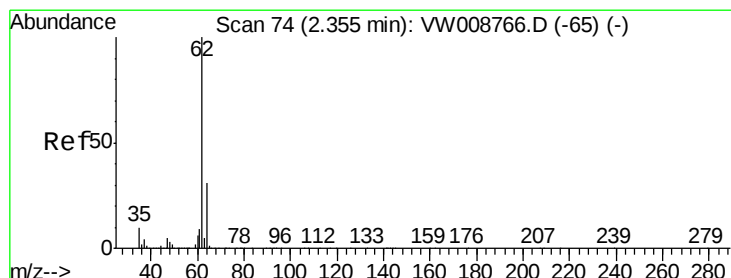
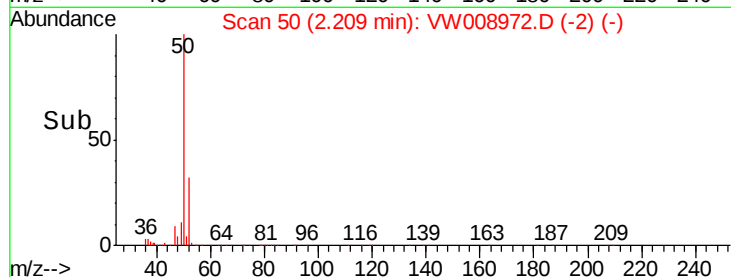
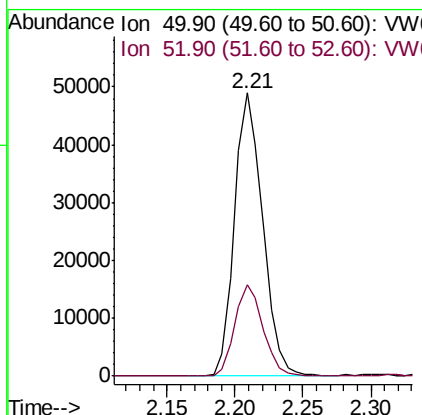
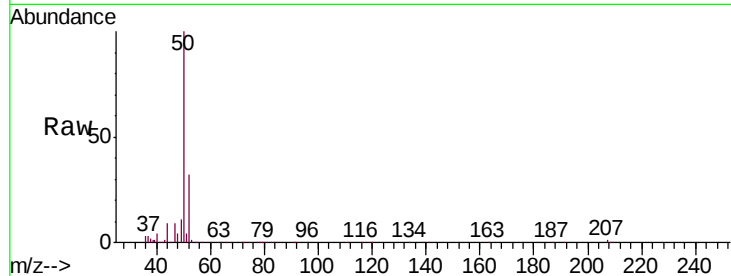
#3
Chloromethane
Concen: 21.645 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.9	38.9

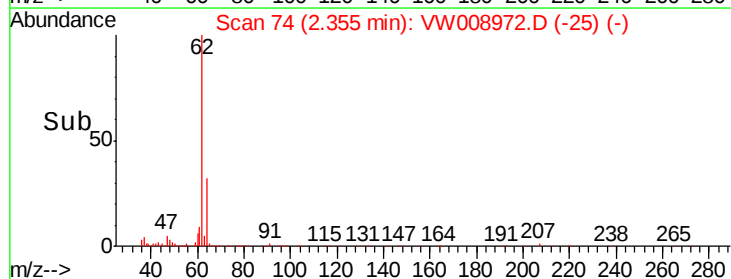
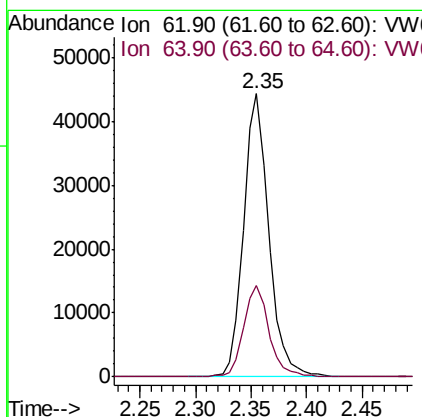
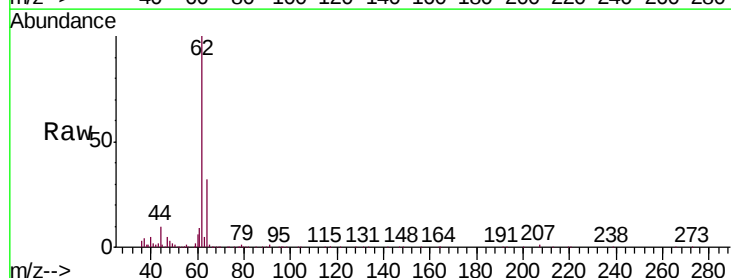
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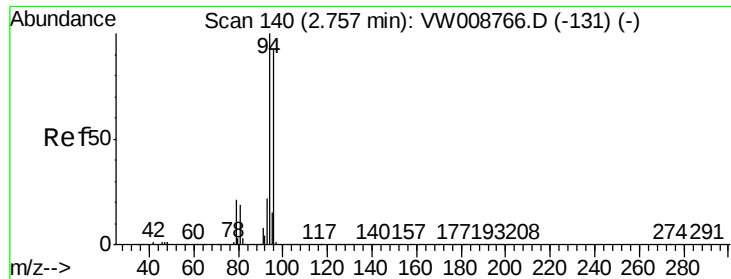
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3/8/2019 10:54:04 AM



#4
Vinyl Chloride
Concen: 20.115 ug/l
RT: 2.35 min Scan# 74
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.3	24.9	37.3





#5

Bromomethane

Concen: 25.018 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion: 94 Resp: 64376

Ion Ratio Lower Upper

94 100

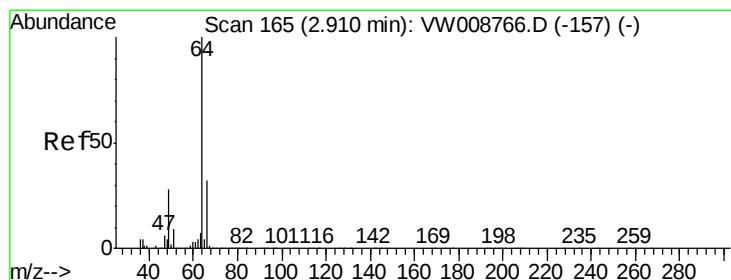
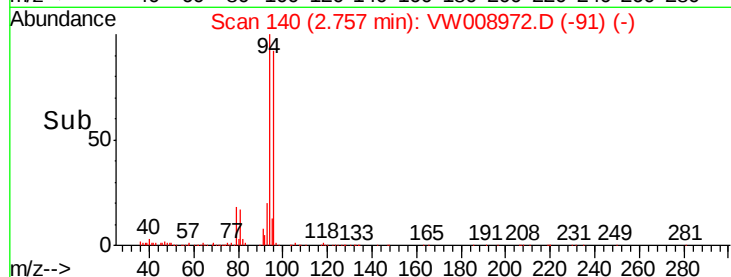
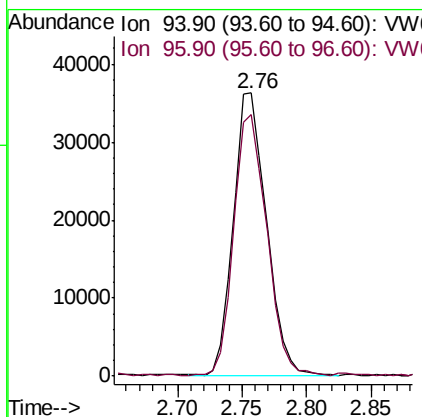
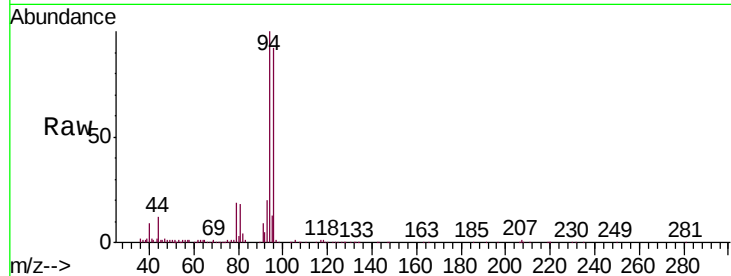
96 92.4 73.4 110.2

Manual Integrations

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3/8/2019 10:54:04 AM



#6

Chloroethane

Concen: 20.796 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008972.D

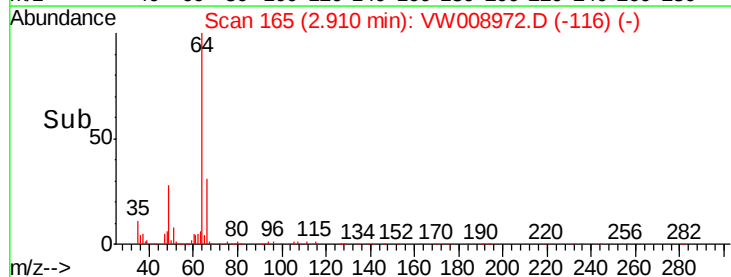
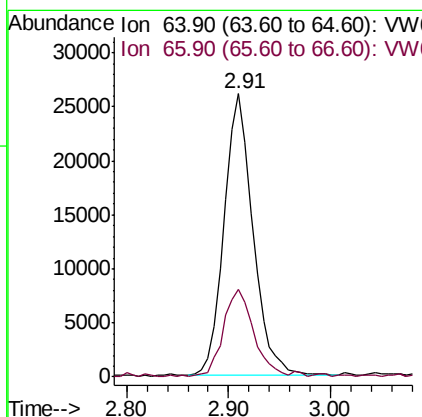
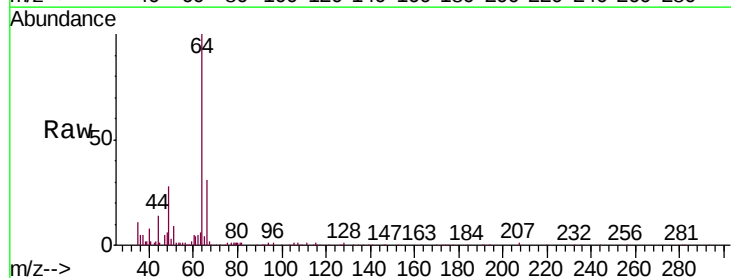
Acq: 04 Mar 2019 21:01

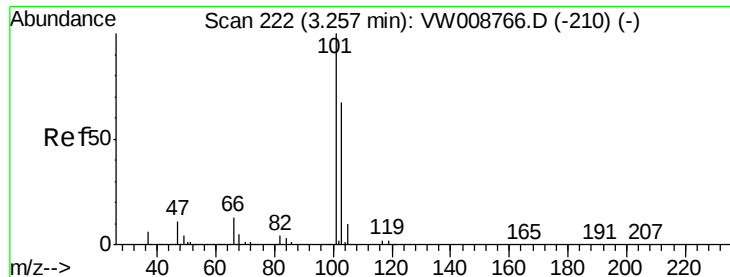
Tgt Ion: 64 Resp: 51160

Ion Ratio Lower Upper

64 100

66 30.6 25.5 38.3





#7

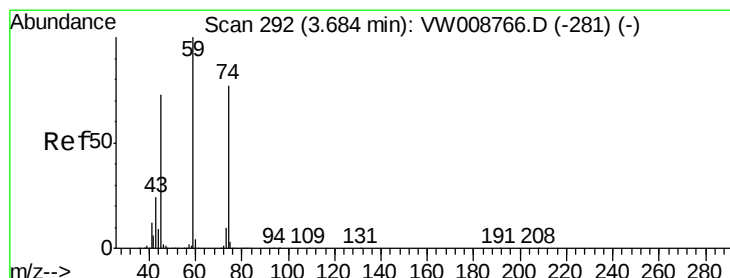
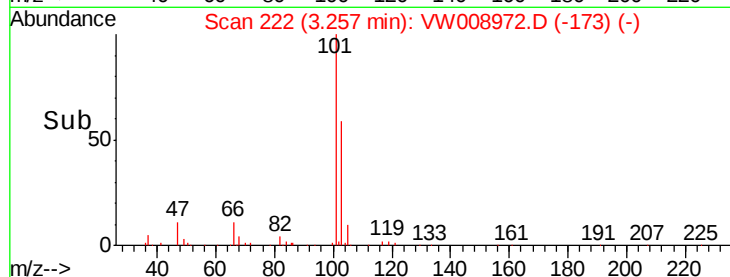
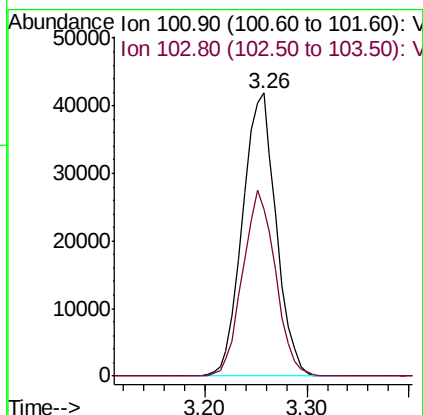
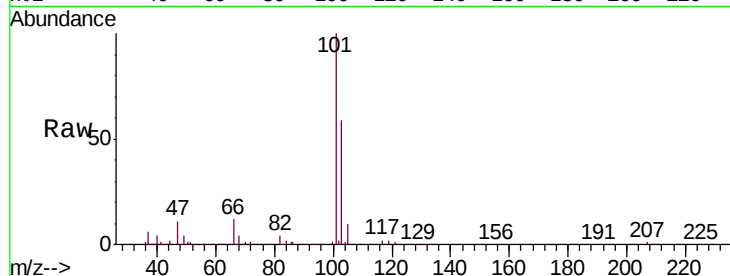
Trichlorofluoromethane
 Concen: 21.864 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	59.2	53.9	80.9

Manual Integrations
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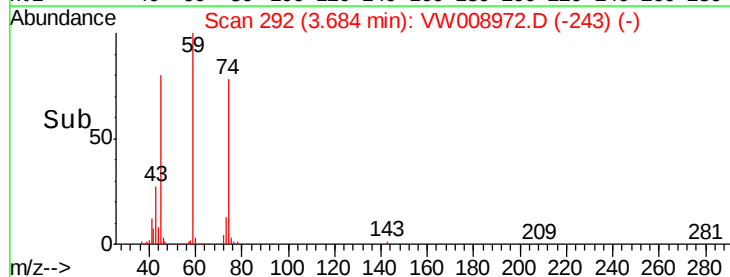
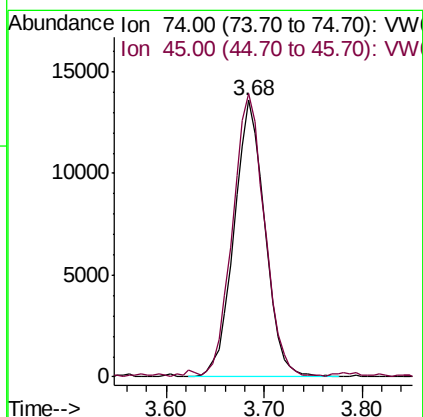
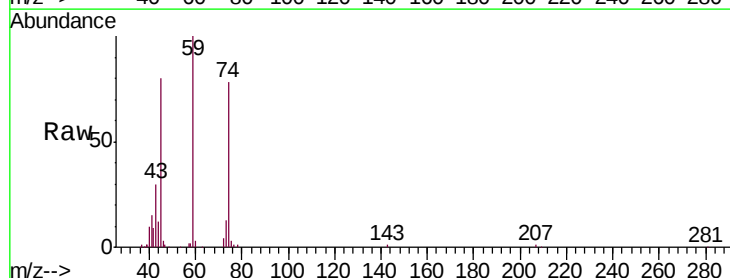
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 3/8/2019 10:54:04 AM



#8

Diethyl Ether
 Concen: 21.413 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.4	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.946 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

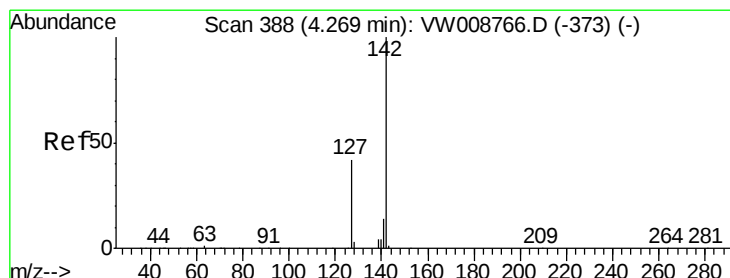
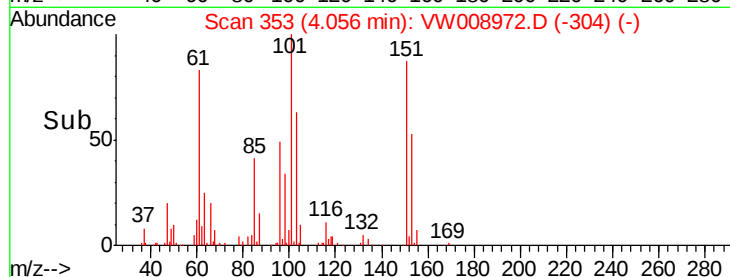
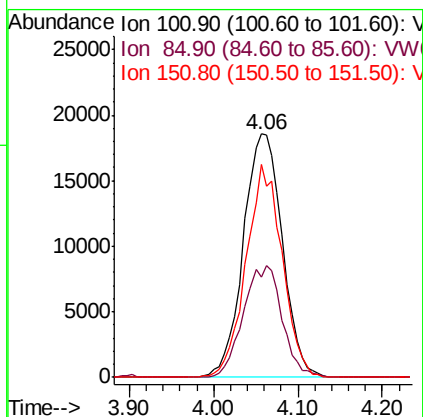
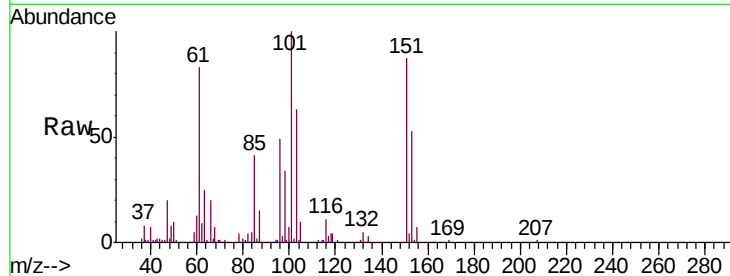
ClientSampleId :

VW0305SBS01

Tgt Ion:	101	Resp:	58394
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.0	54.0
151	80.9	65.5	98.3

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#10

Methyl Iodide

Concen: 17.381 ug/l

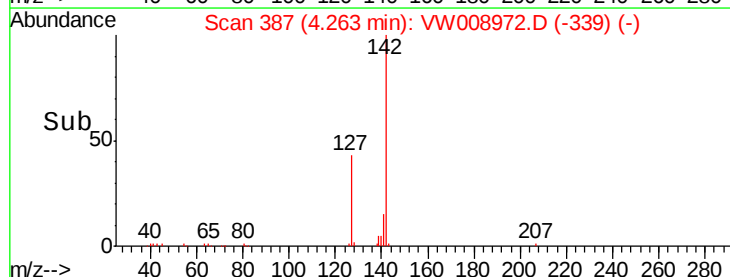
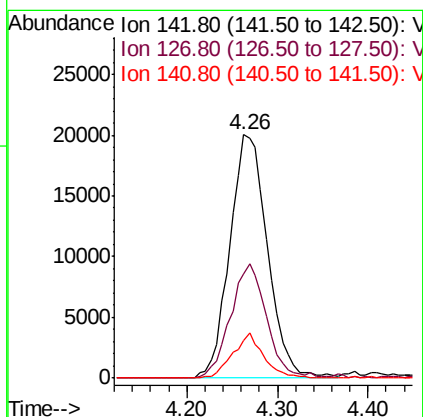
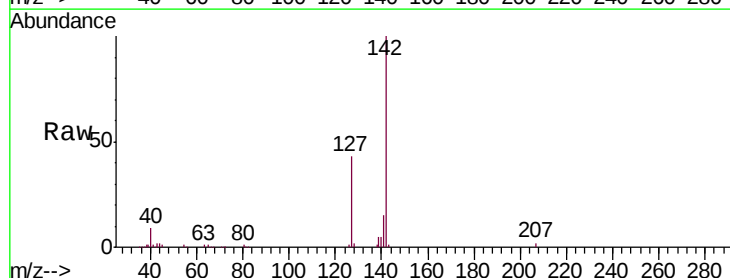
RT: 4.26 min Scan# 387

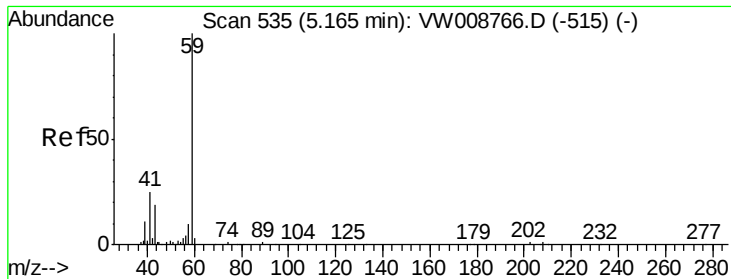
Delta R.T. -0.01 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Tgt Ion:	142	Resp:	57832
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.3	52.9
141	15.1	11.7	17.5





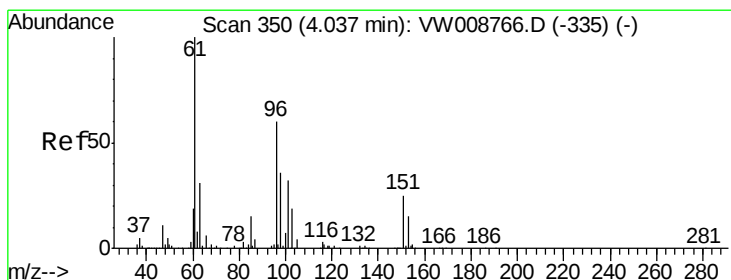
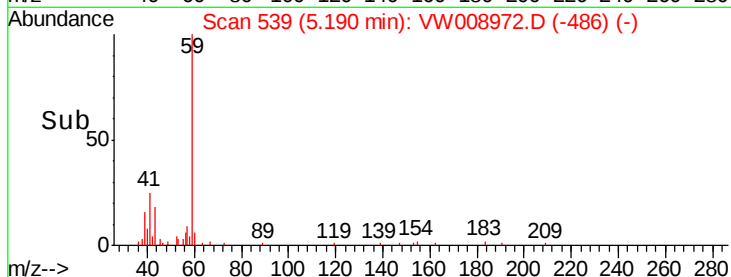
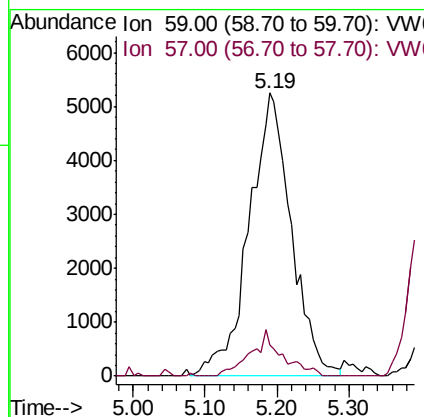
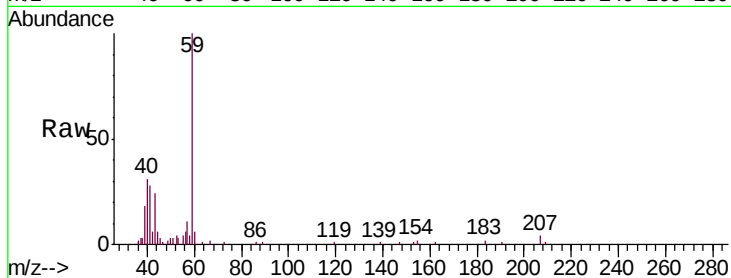
#11
Tert butyl alcohol
Concen: 95.620 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion: 59 Resp: 21428
Ion Ratio Lower Upper
59 100
57 12.0 9.3 13.9

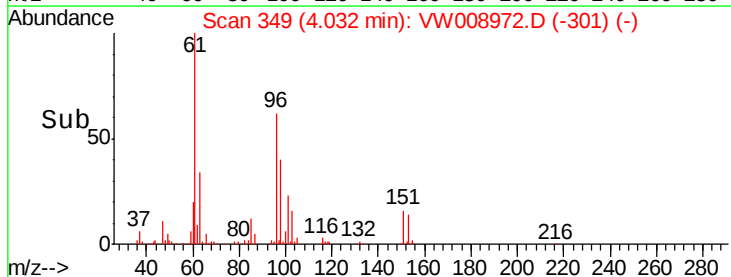
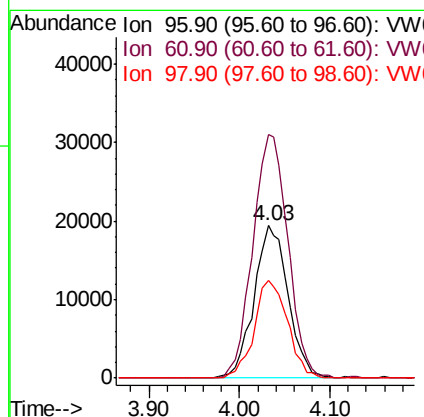
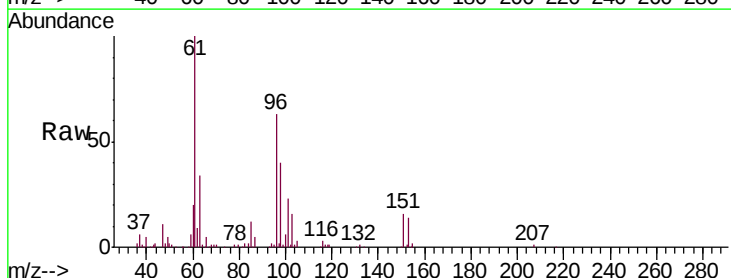
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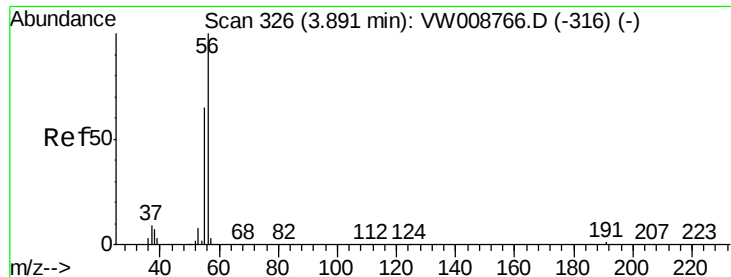
MMDadoda
3/8/2019 10:54:04 AM



#12
1,1-Dichloroethene
Concen: 21.561 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion: 96 Resp: 50665
Ion Ratio Lower Upper
96 100
61 159.7 132.5 198.7
98 64.0 48.2 72.4





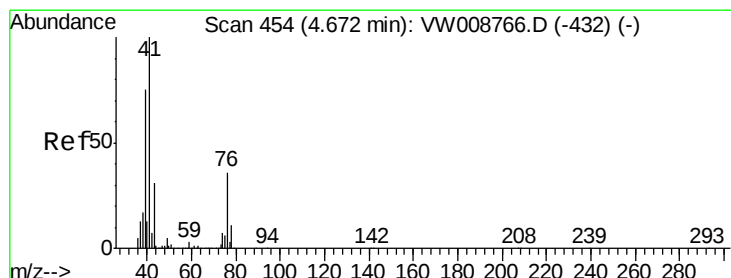
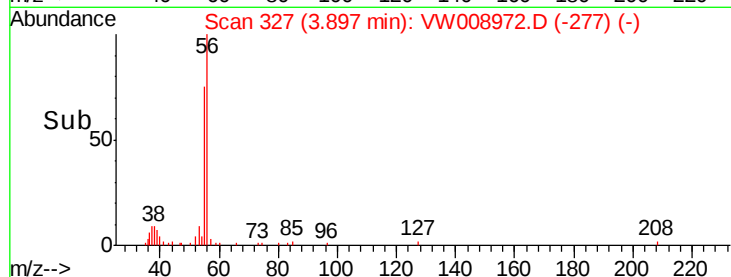
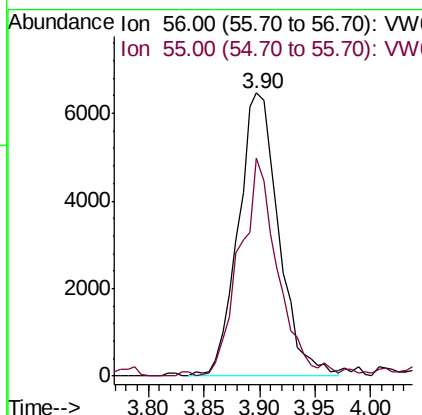
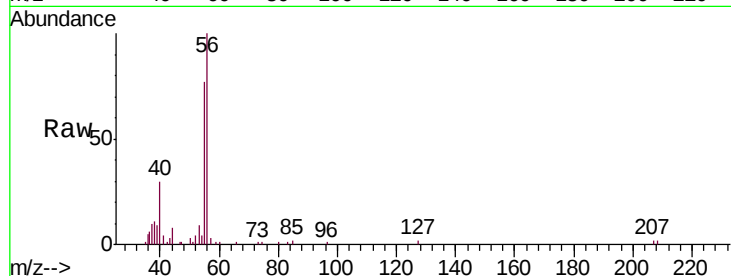
#13
Acrolein
Concen: 83.521 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.2	56.9	85.3

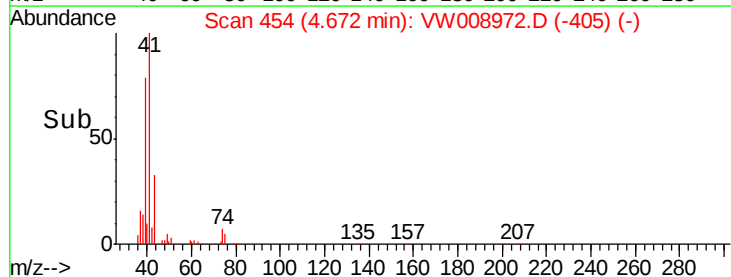
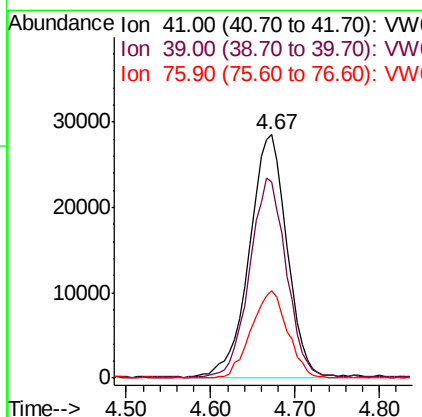
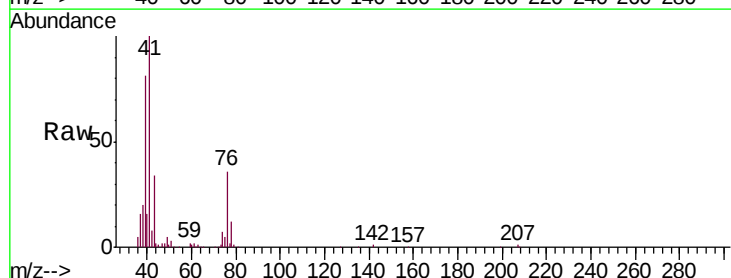
Manual Integrations
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3/8/2019 10:54:04 AM



#14
Allyl chloride
Concen: 21.376 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.7	60.6	91.0
76	34.9	28.6	42.8





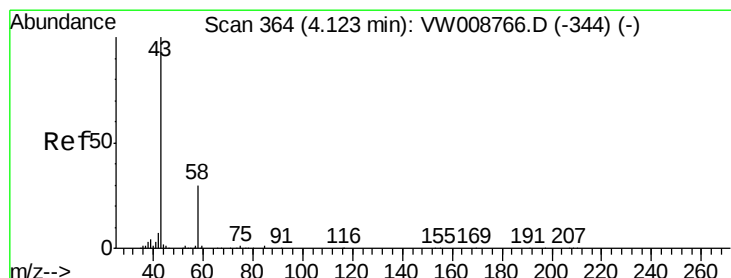
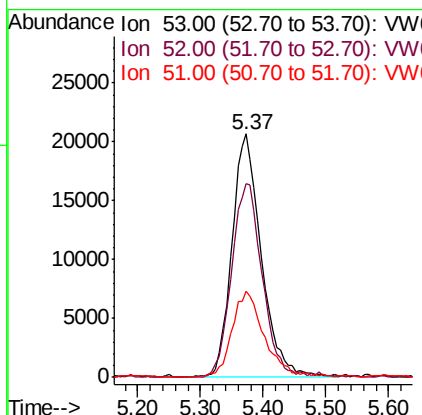
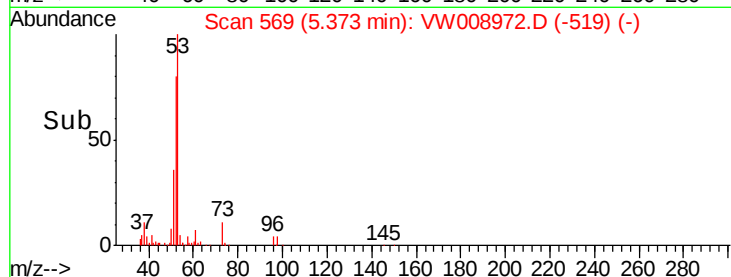
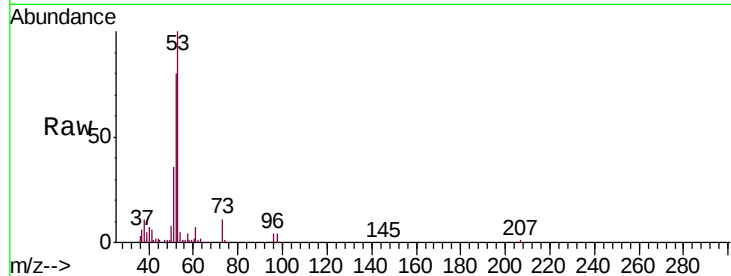
#15
Acrylonitrile
Concen: 112.635 ug/l
RT: 5.37 min Scan# 569
Delta R.T. 0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.2	100.8
51	38.6	31.1	46.7

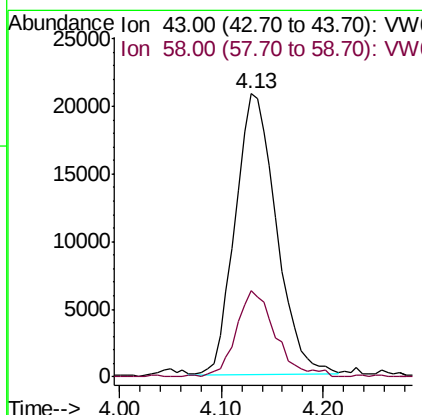
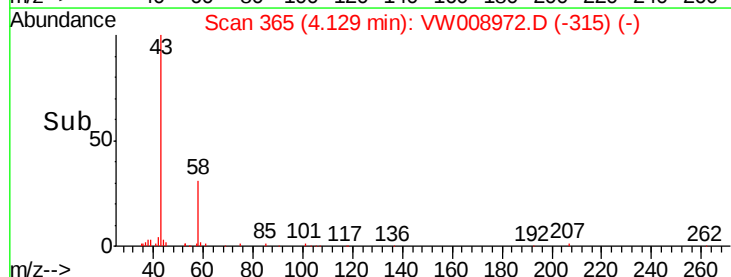
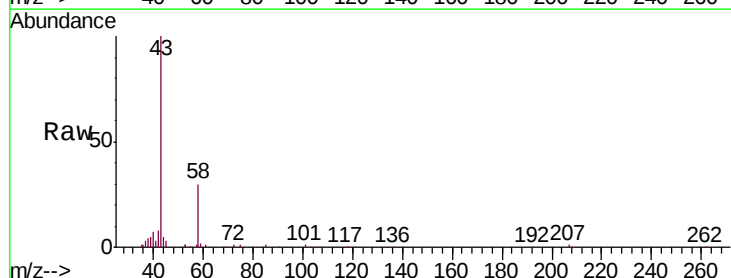
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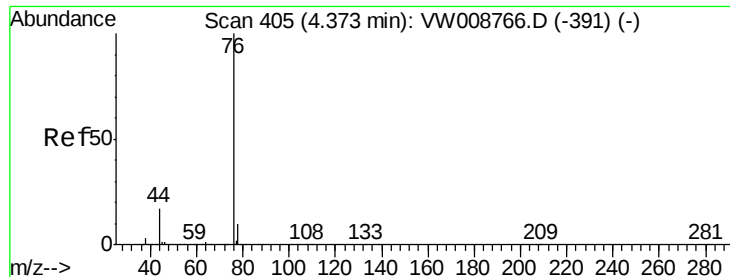
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#16
Acetone
Concen: 99.937 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.8	35.6





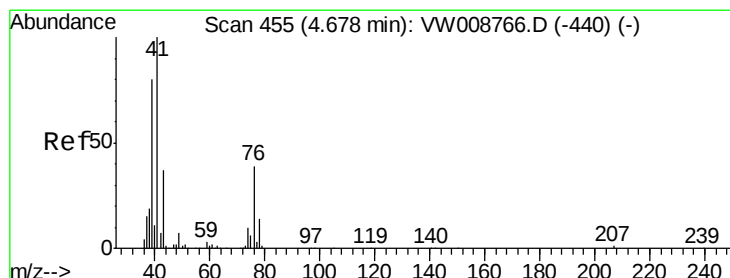
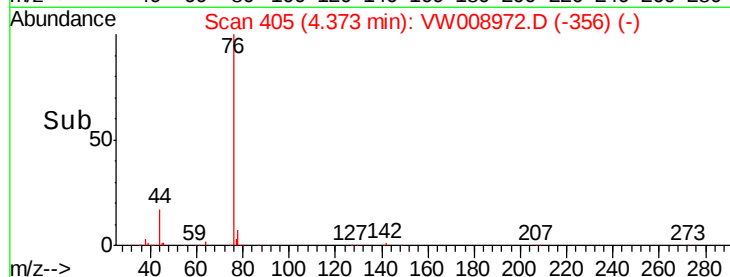
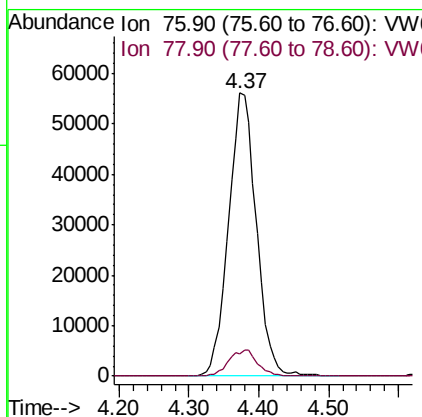
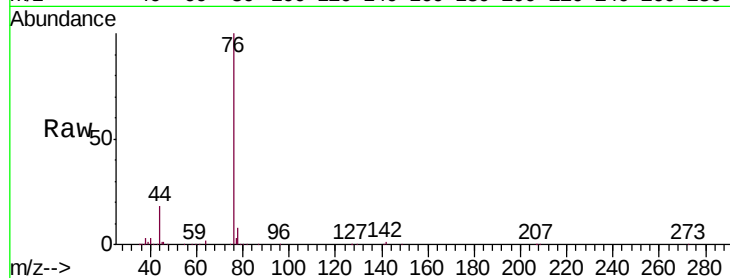
#17
Carbon Disulfide
Concen: 19.851 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBSD01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.8	11.8

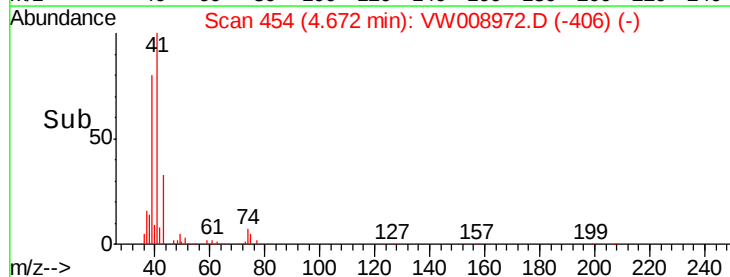
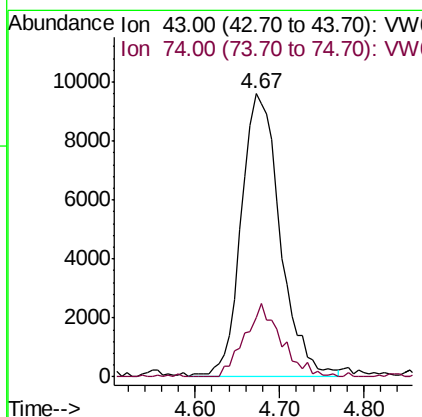
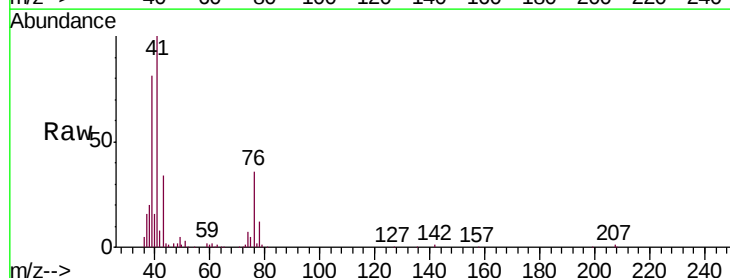
Manual Integrations
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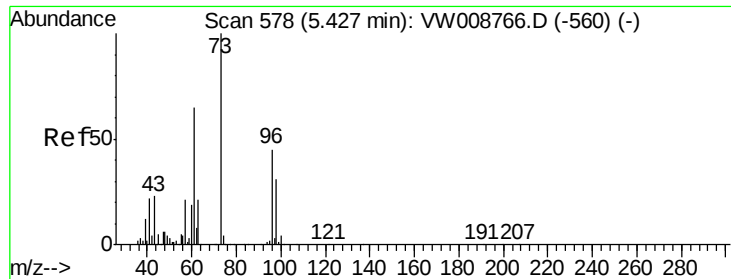
MMDadoda
3/8/2019 10:54:04 AM



#18
Methyl Acetate
Concen: 21.837 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.2





#19

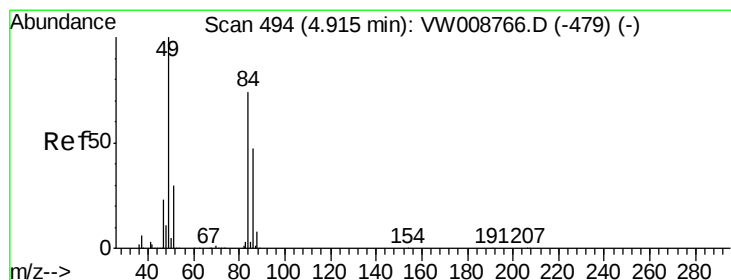
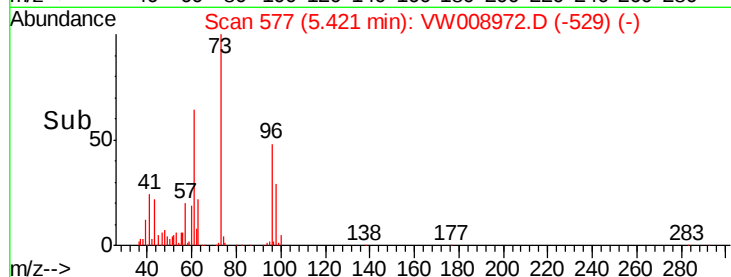
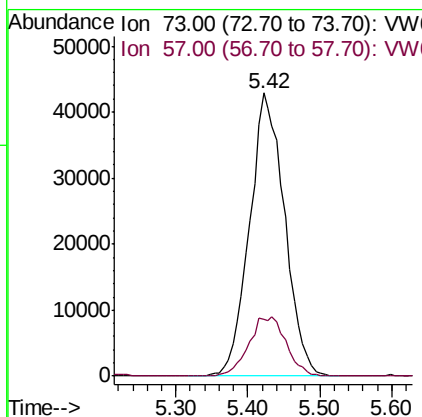
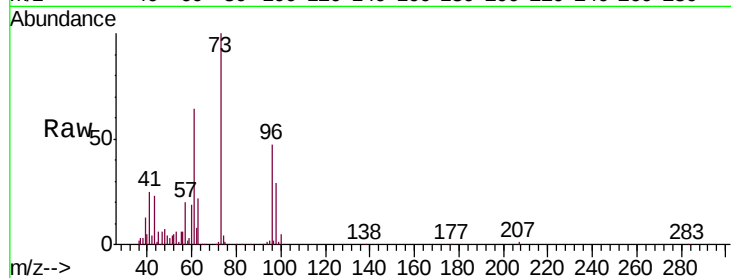
Methyl tert-butyl Ether
 Concen: 22.794 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion: 73 Resp: 144974
 Ion Ratio Lower Upper
 73 100
 57 20.0 16.8 25.2

Manual Integrations
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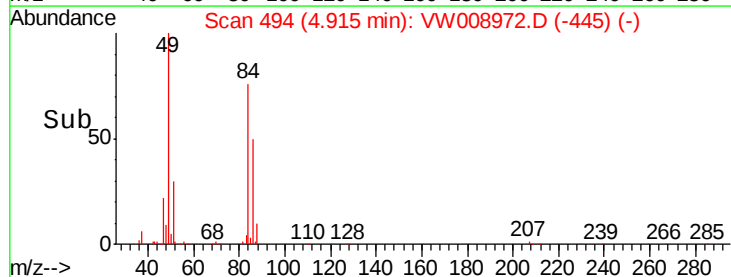
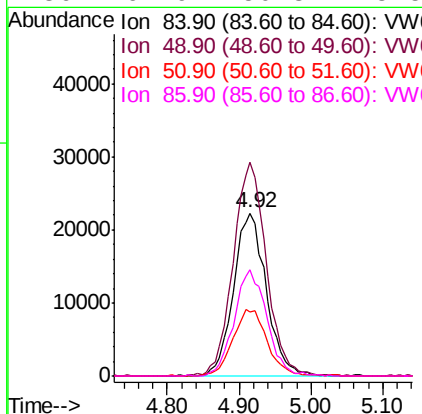
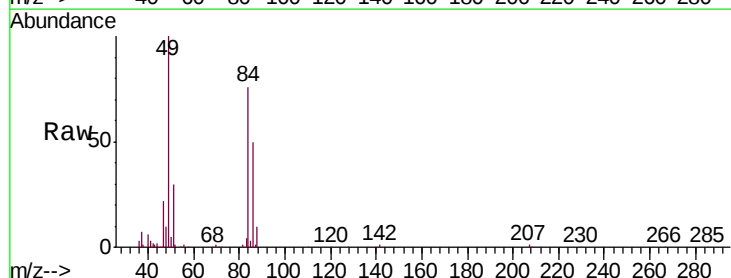
MMDadoda
 3/8/2019 10:54:04 AM

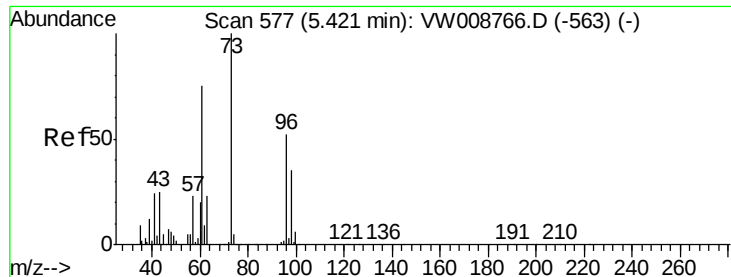


#20

Methylene Chloride
 Concen: 21.590 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Tgt Ion: 84 Resp: 70398
 Ion Ratio Lower Upper
 84 100
 49 130.9 108.2 162.2
 51 39.2 32.7 49.1
 86 64.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 22.234 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

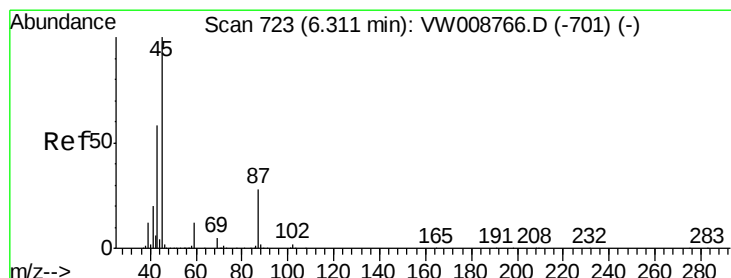
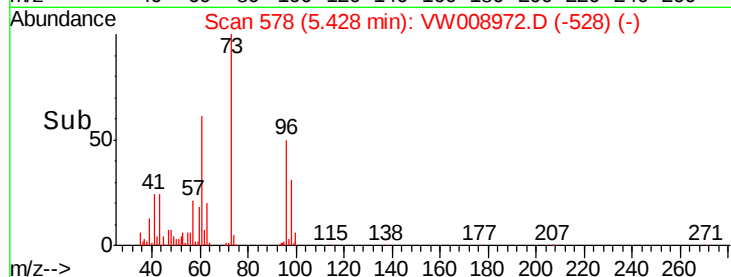
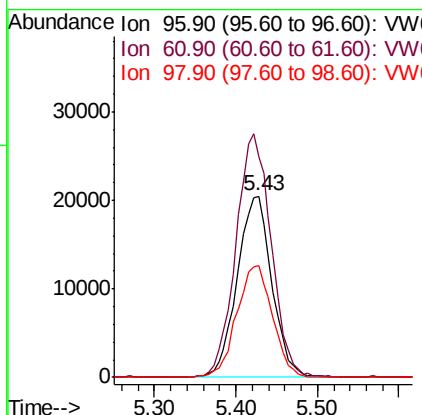
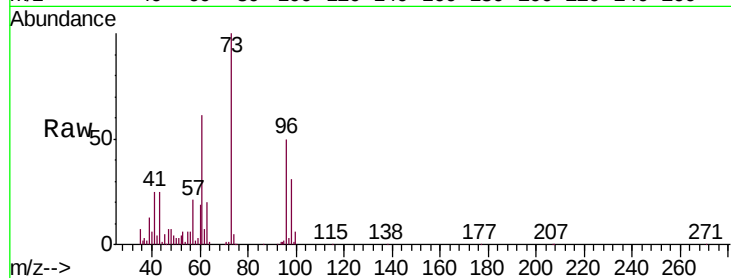
ClientSampled :

VW0305SBS01

Tgt Ion:	96	Resp:	60437
Ion	Ratio	Lower	Upper
96	100		
61	121.5	114.6	171.8
98	61.7	54.0	81.0

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#22

Diisopropyl ether

Concen: 22.646 ug/l

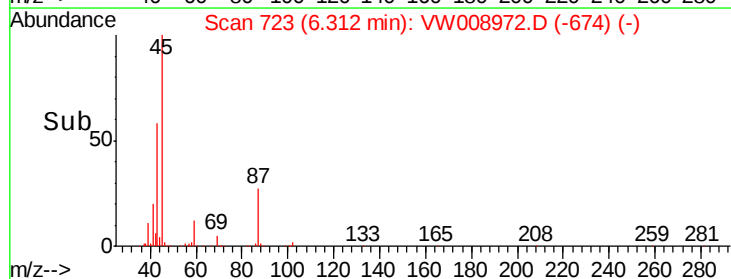
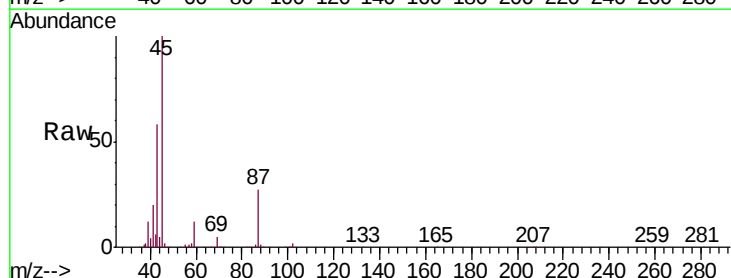
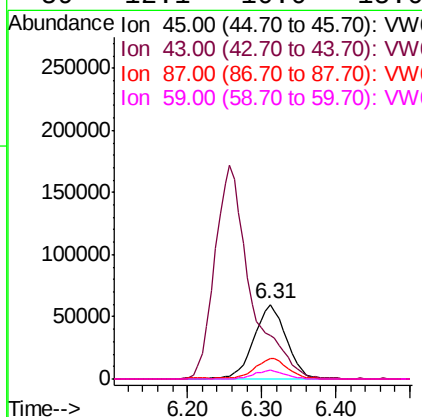
RT: 6.31 min Scan# 723

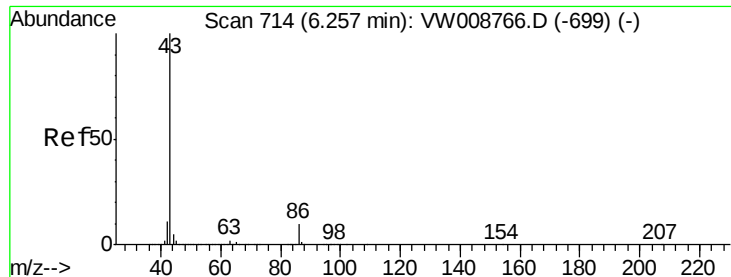
Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Tgt Ion:	45	Resp:	183213
Ion	Ratio	Lower	Upper
45	100		
43	57.4	46.1	69.1
87	27.0	22.2	33.4
59	12.1	10.0	15.0





#23

Vinyl Acetate

Concen: 113.916 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion: 43 Resp: 569422

Ion Ratio Lower Upper

43 100

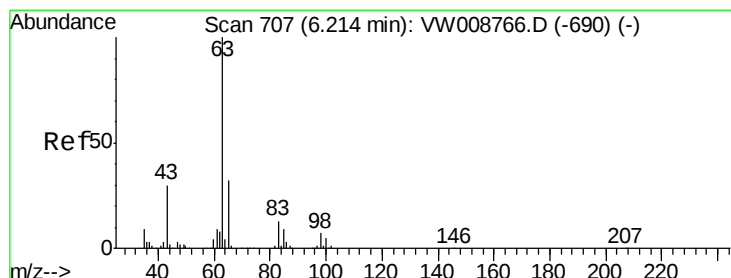
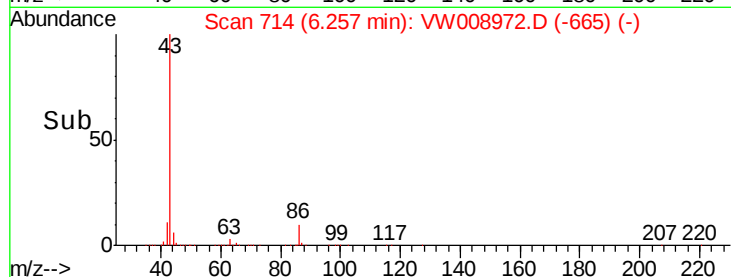
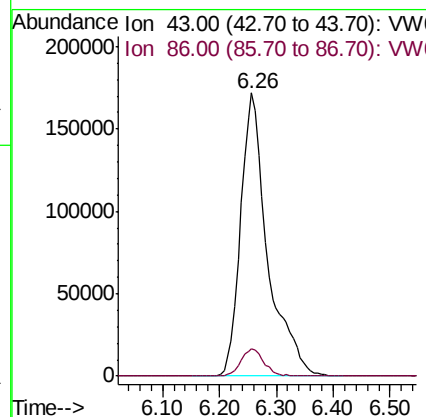
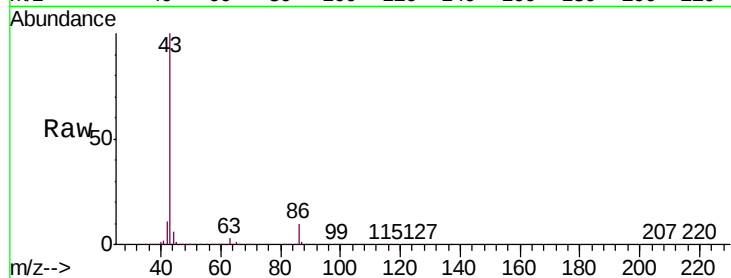
86 9.9 8.1 12.1

Manual Integrations

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3/8/2019 10:54:04 AM



#24

1,1-Dichloroethane

Concen: 22.698 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

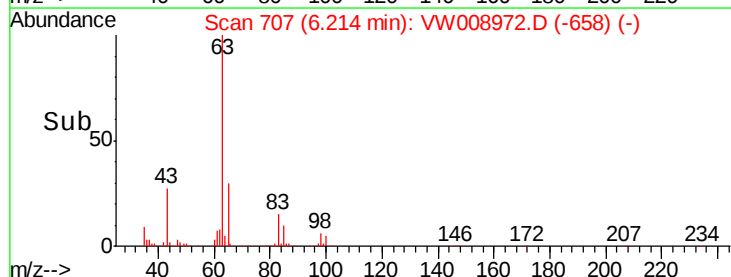
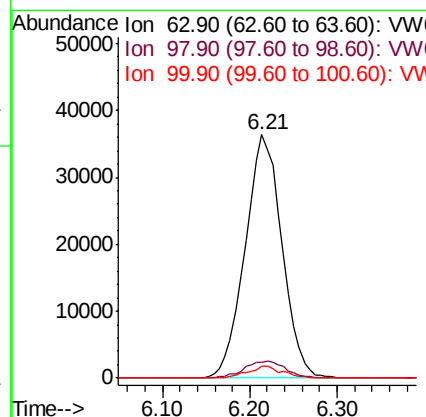
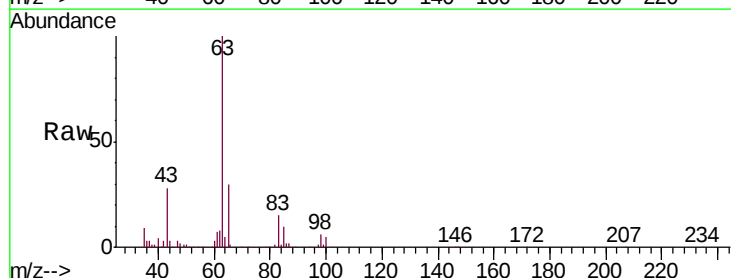
Tgt Ion: 63 Resp: 106411

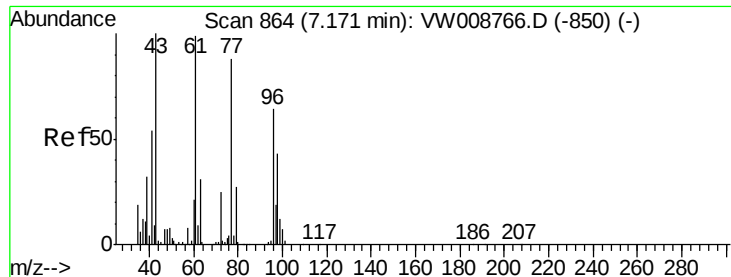
Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.6

100 4.8 2.4 7.2





#25

2-Butanone

Concen: 106.454 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion: 43 Resp: 86836

Ion Ratio Lower Upper

43 100

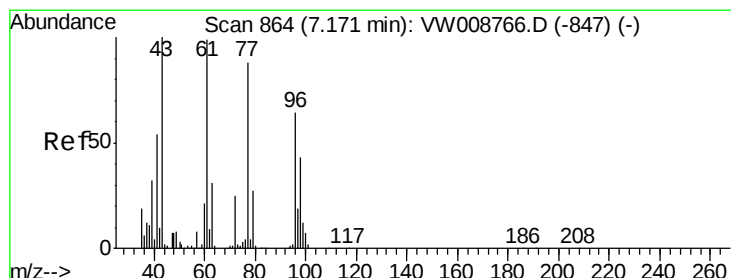
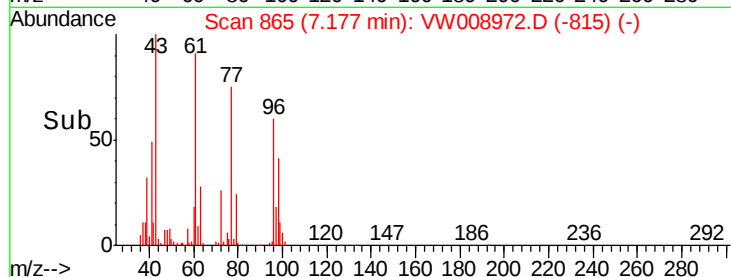
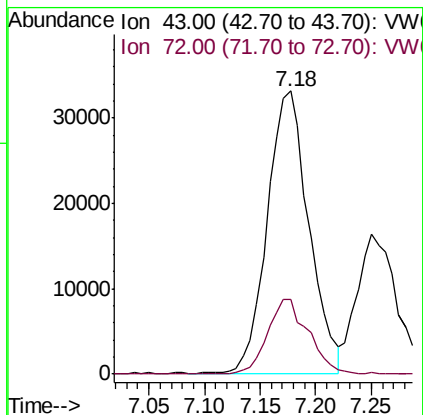
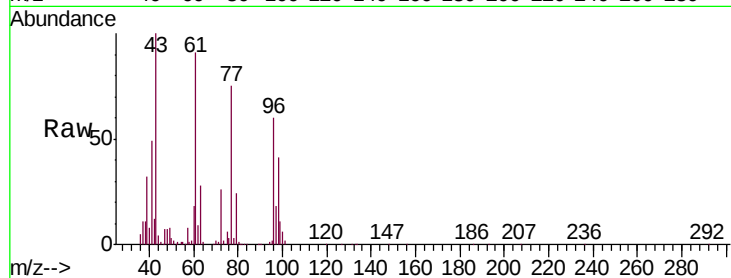
72 26.4 19.7 29.5

Manual Integrations

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MMDadoda

3/8/2019 10:54:04 AM



#26

2,2-Dichloropropane

Concen: 20.390 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008972.D

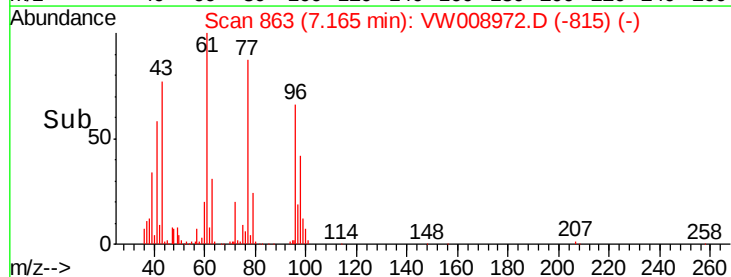
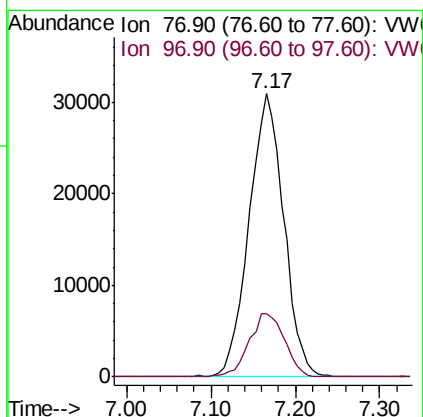
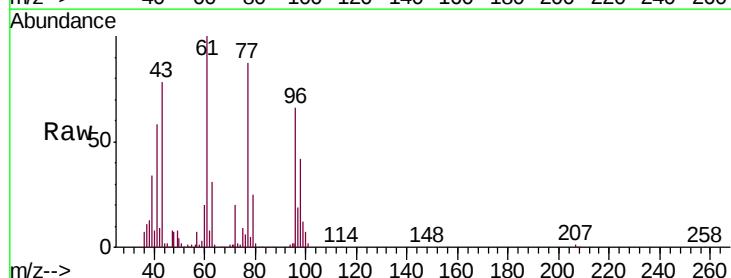
Acq: 04 Mar 2019 21:01

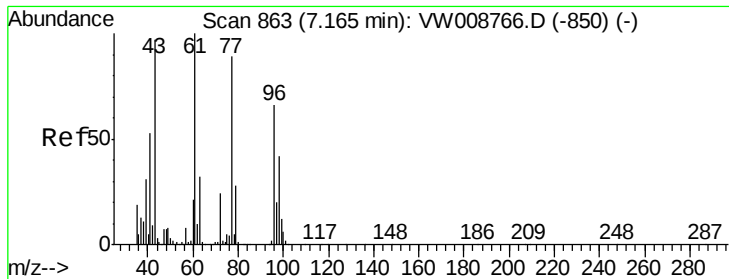
Tgt Ion: 77 Resp: 86784

Ion Ratio Lower Upper

77 100

97 22.9 11.0 33.0





#27

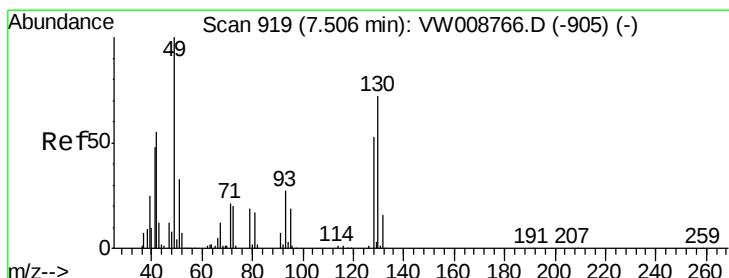
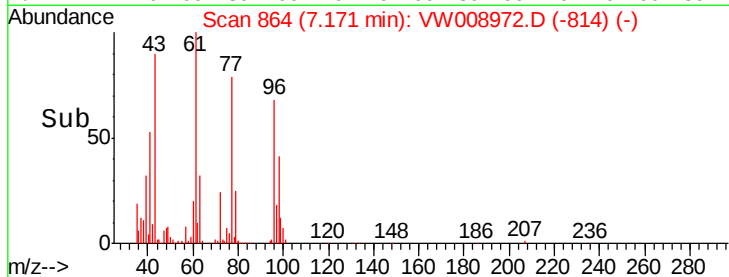
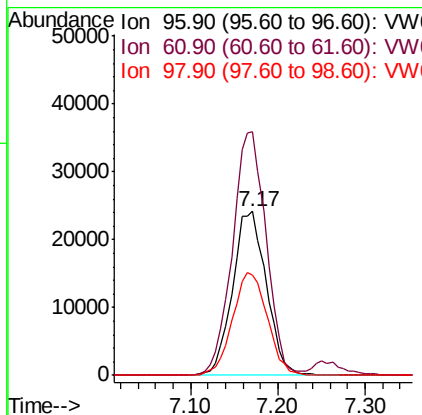
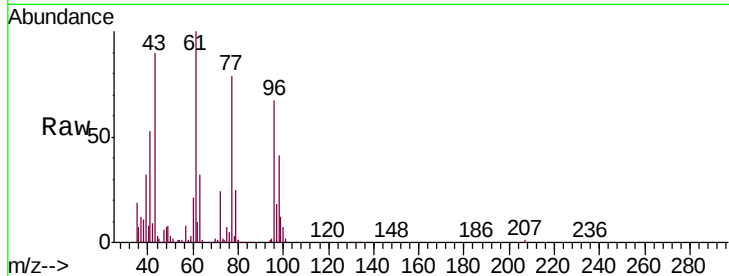
cis-1,2-Dichloroethene
Concen: 22.363 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	65022		
61	148.4	0.0	302.6	
98	64.1	0.0	130.0	

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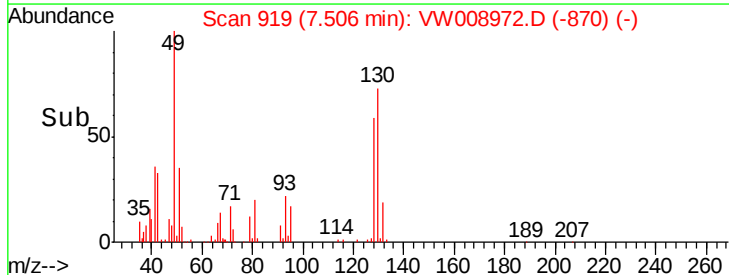
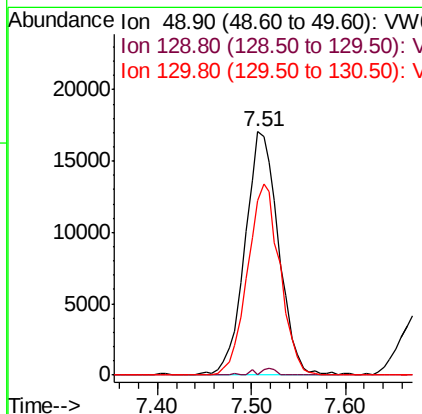
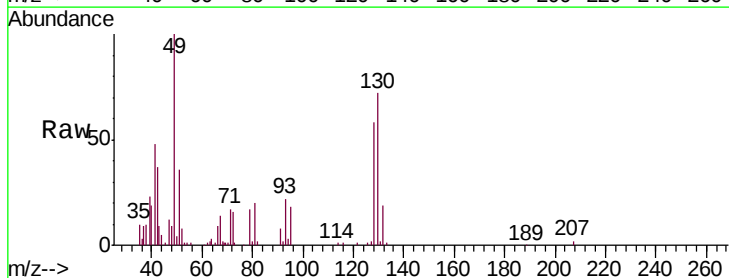
MMDadoda
3/8/2019 10:54:04 AM

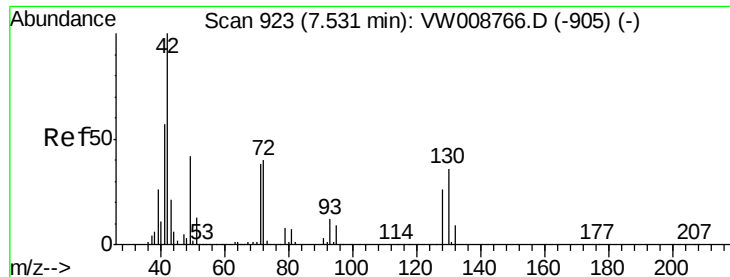


#28

Bromochloromethane
Concen: 21.699 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	42570		
129	1.4	0.0	2.6	
130	76.3	61.3	91.9	





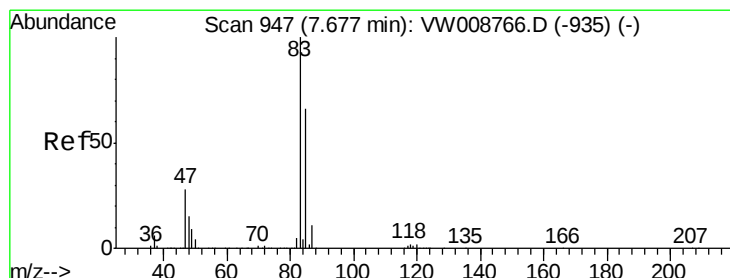
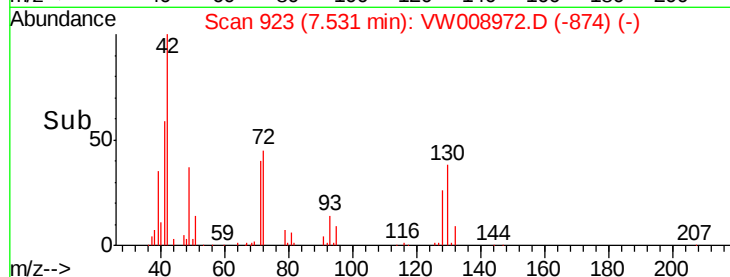
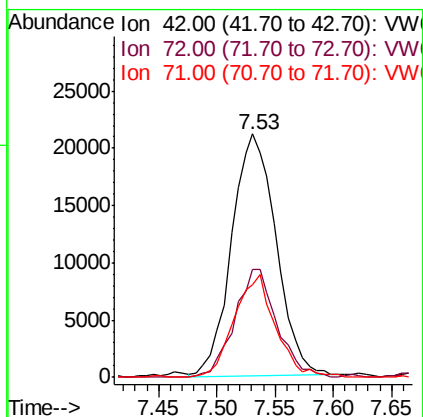
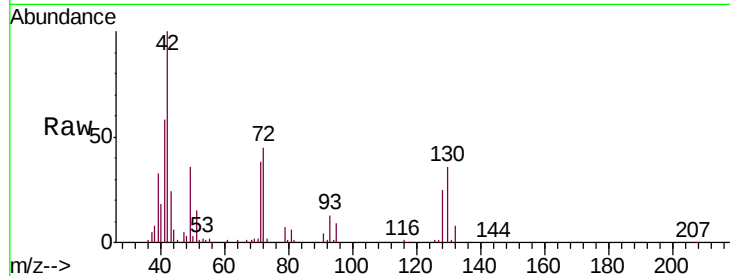
#29
Tetrahydrofuran
Concen: 107.262 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.7	32.7	49.1
71	40.0	31.3	46.9

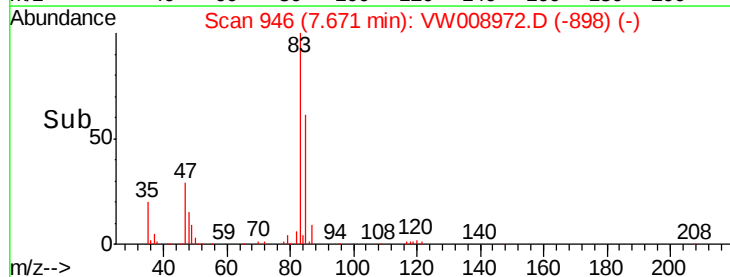
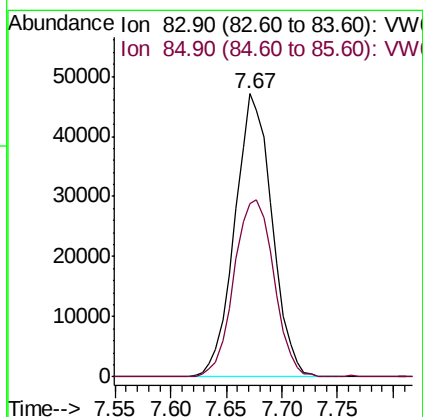
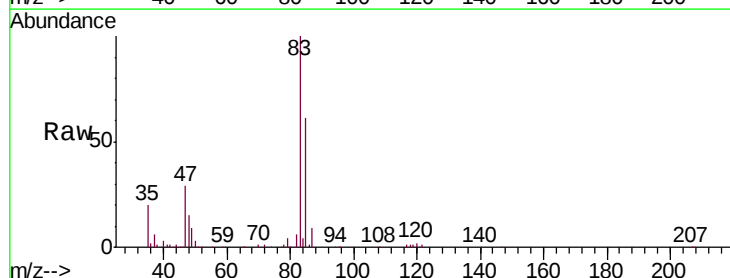
Manual Integrations
APPROVED

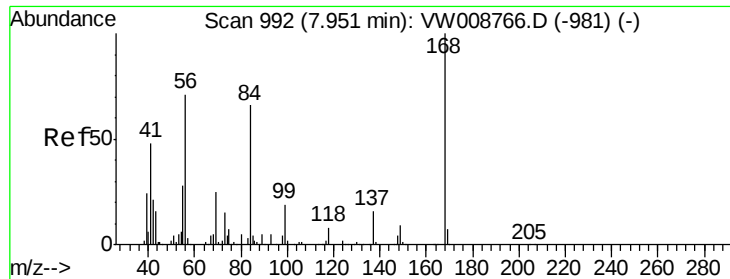
MMDadoda
3/8/2019 10:54:04 AM



#30
Chloroform
Concen: 22.748 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	52.6	79.0





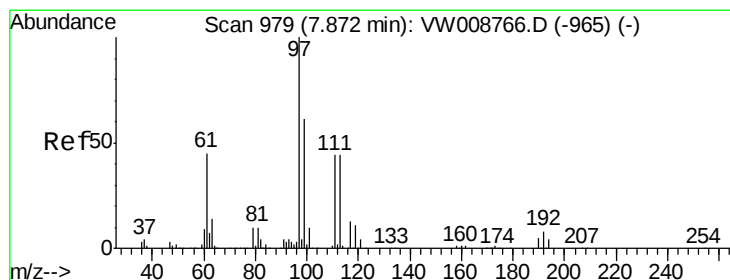
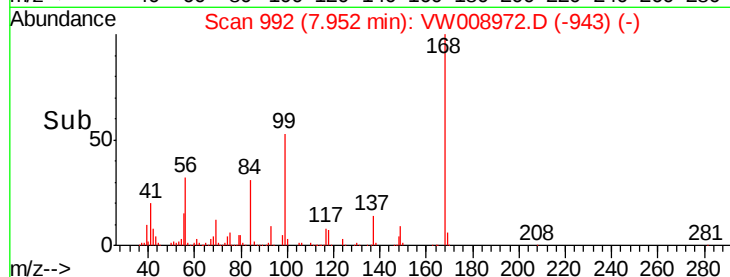
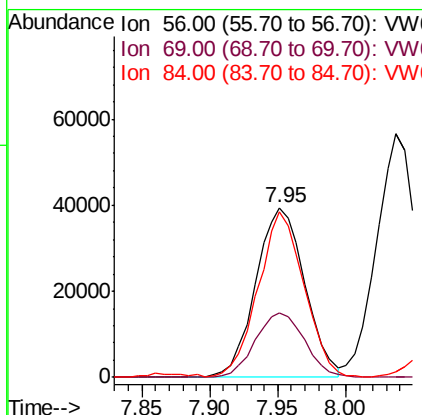
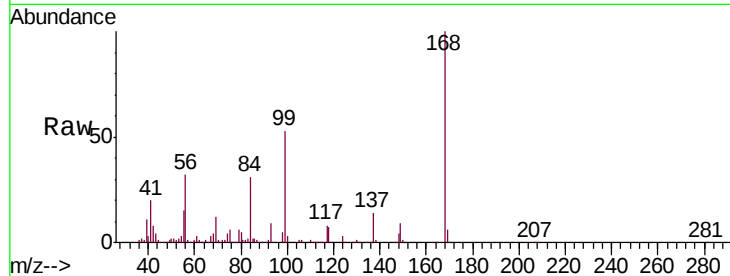
#31
Cyclohexane
Concen: 20.976 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.6	28.2	42.4
84	96.3	74.1	111.1

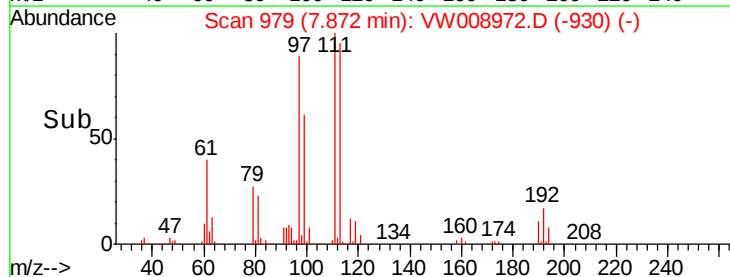
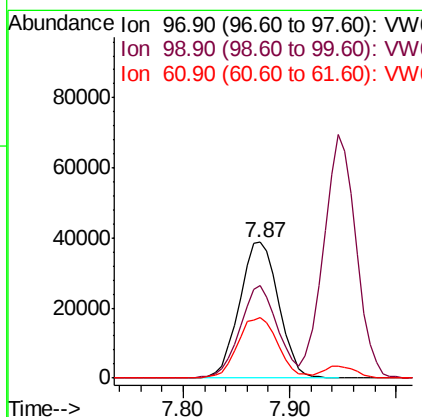
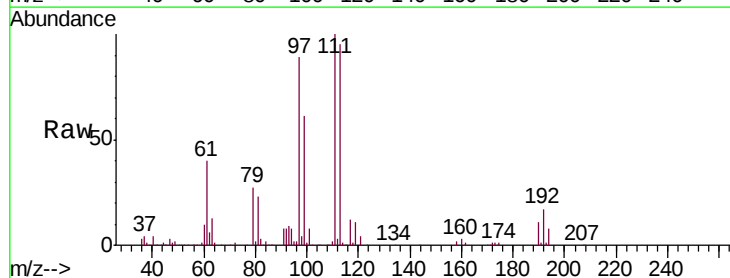
Manual Integrations
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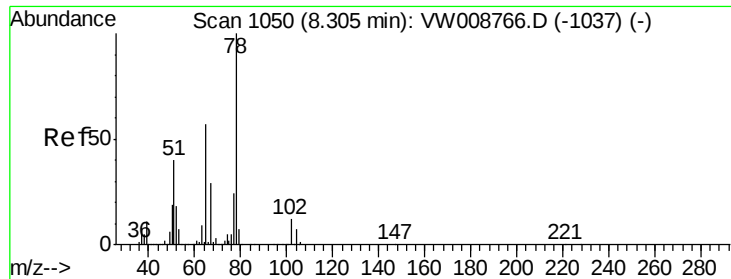
MMDadoda
3/8/2019 10:54:04 AM



#32
1,1,1-Trichloroethane
Concen: 22.978 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.8	76.2
61	46.0	36.0	54.0





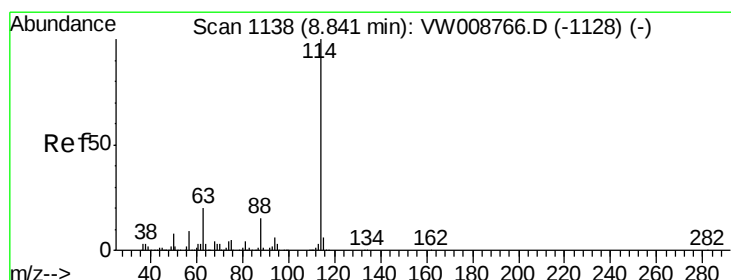
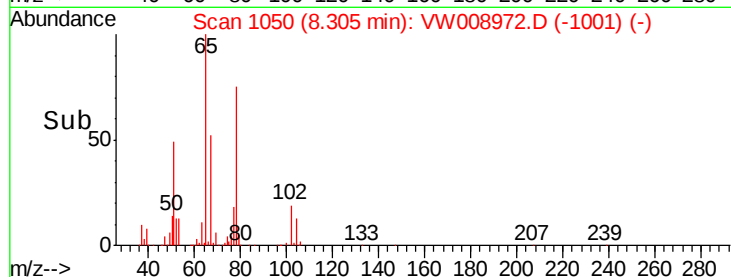
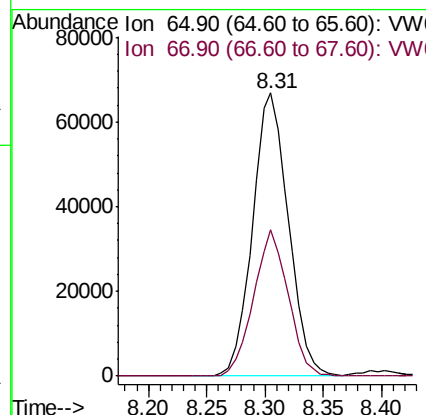
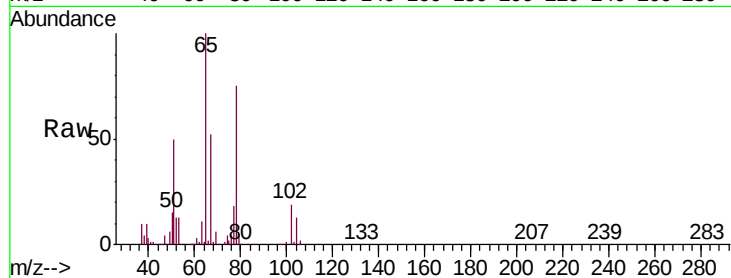
#33
 1,2-Dichloroethane-d4
 Concen: 56.943 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	143336		
67	50.0	0.0	101.4	

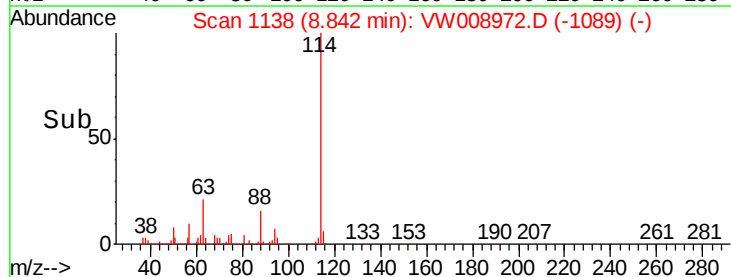
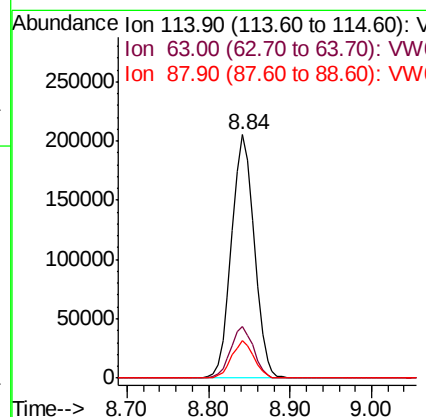
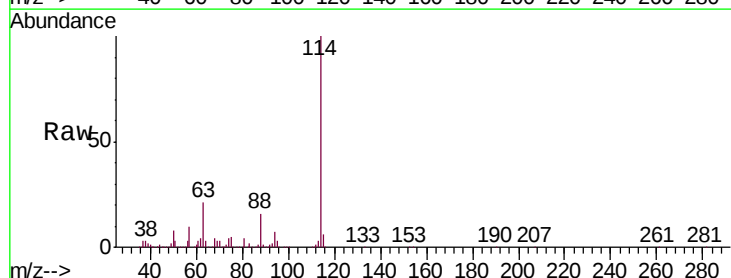
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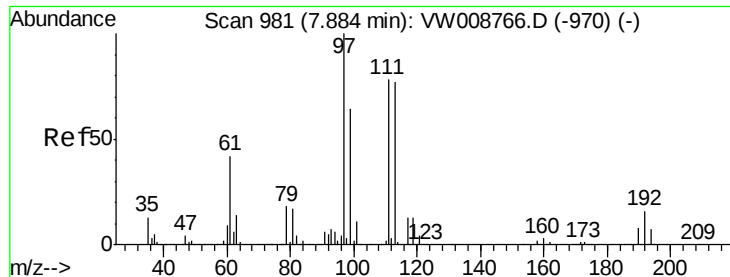
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 3/8/2019 10:54:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	394513		
63	21.1	0.0	40.8	
88	15.6	0.0	30.4	





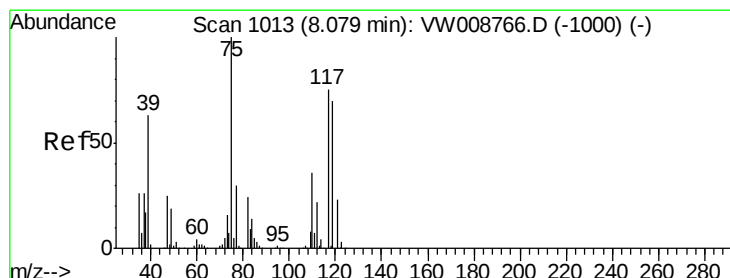
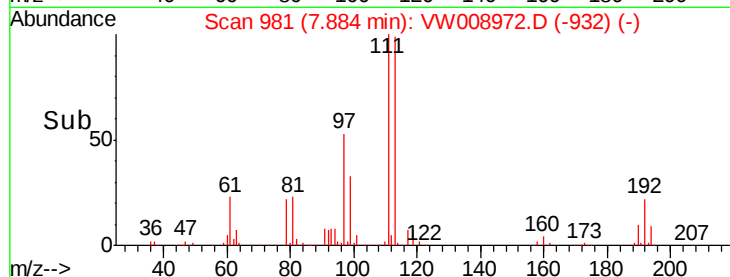
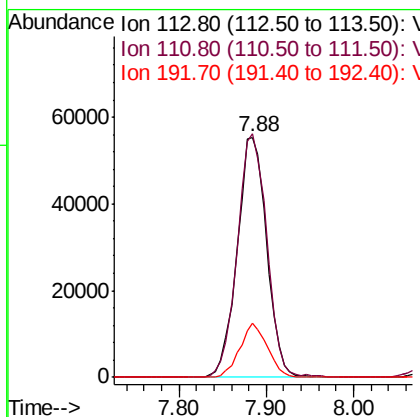
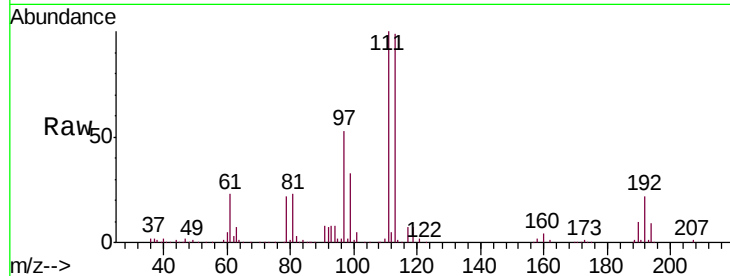
#35
 Dibromofluoromethane
 Concen: 54.761 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	129713		
111	101.6	81.9	122.9	
192	21.0	17.1	25.7	

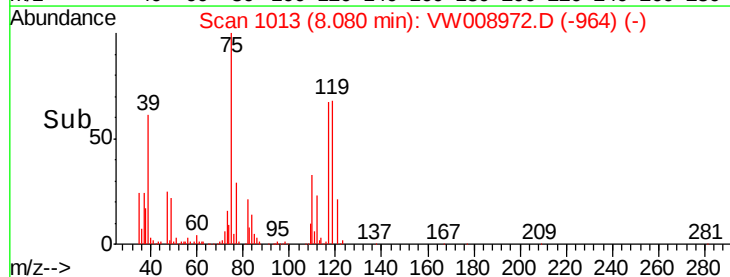
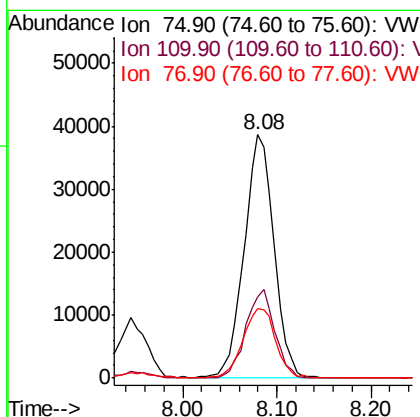
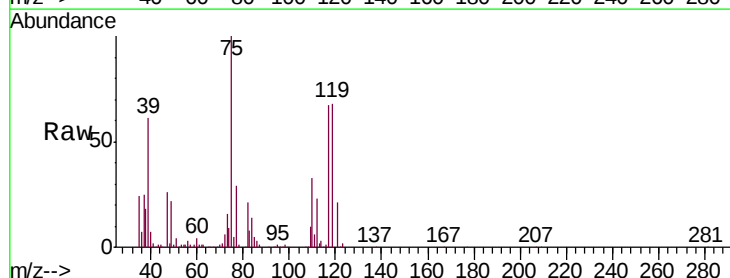
Manual Integrations
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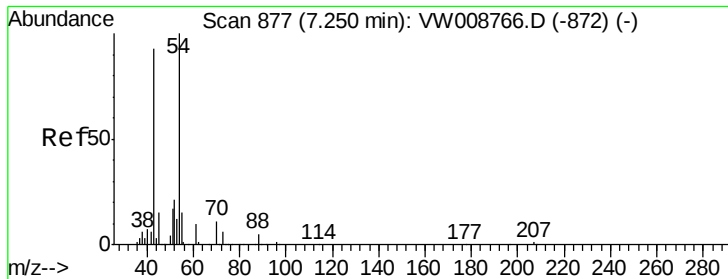
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#36
 1,1-Dichloropropene
 Concen: 22.442 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86186		
110	35.3	17.5	52.6	
77	31.4	24.5	36.7	





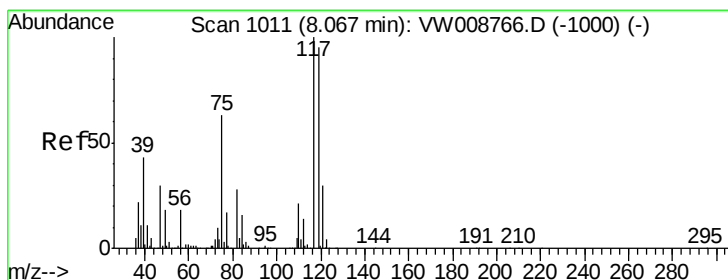
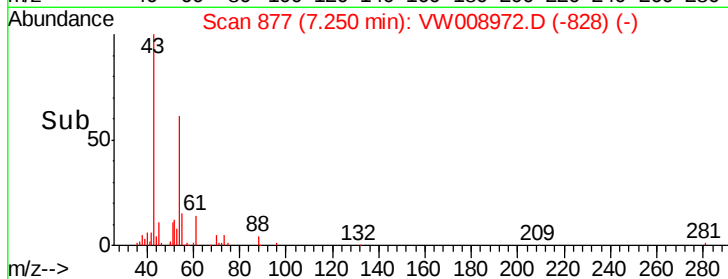
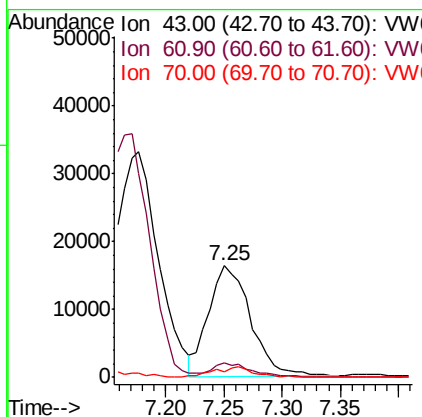
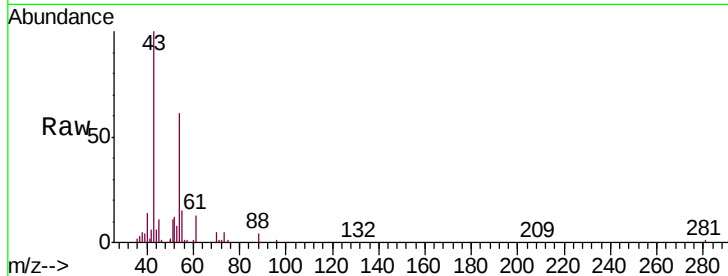
#37
 Ethyl Acetate
 Concen: 22.965 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.8	14.8
70	9.7	8.4	12.6

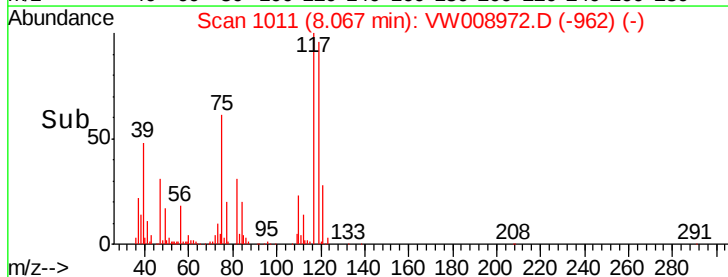
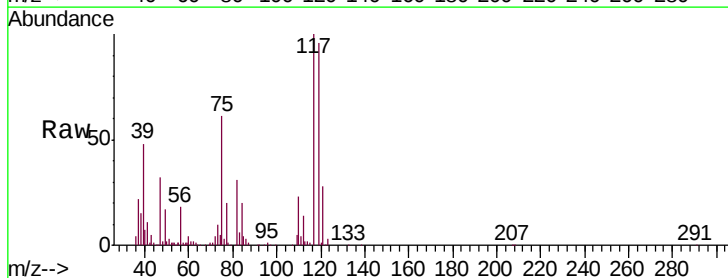
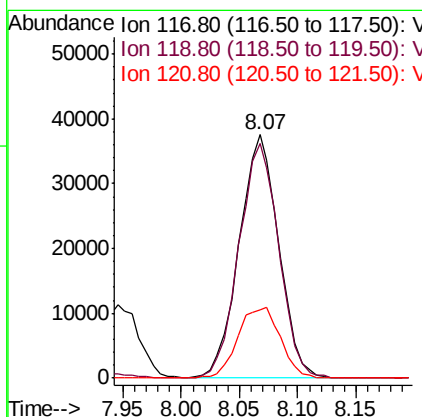
Manual Integrations
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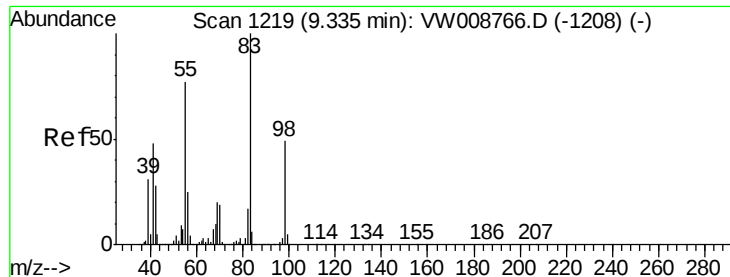
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 3/8/2019 10:54:04 AM



#38
 Carbon Tetrachloride
 Concen: 21.919 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.1	114.1
121	28.2	24.0	36.0





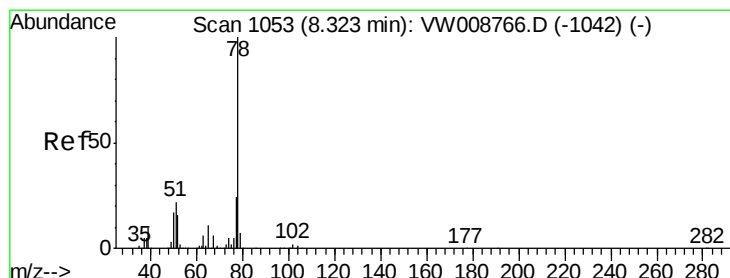
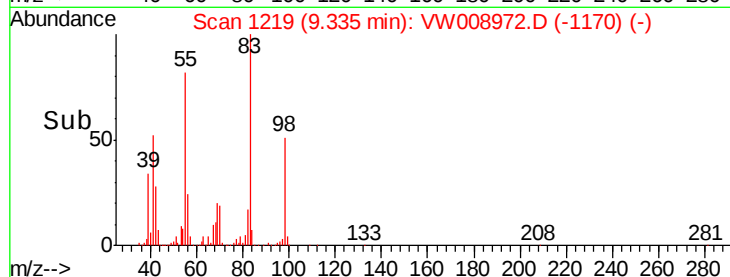
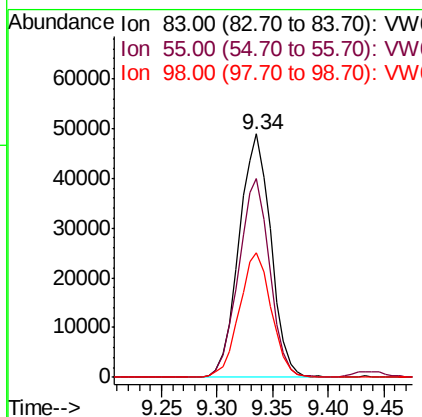
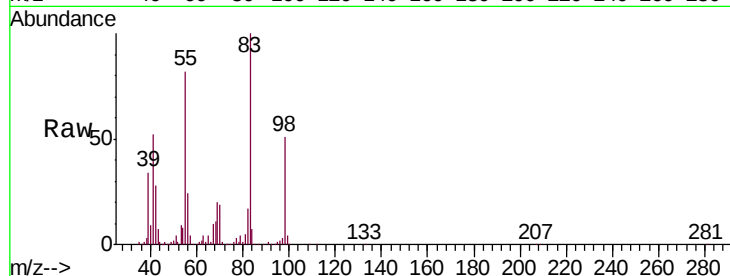
#39
Methylcyclohexane
Concen: 20.269 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.3	61.2	91.8
98	50.9	39.4	59.2

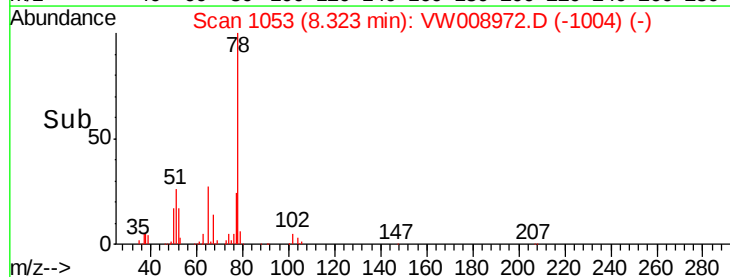
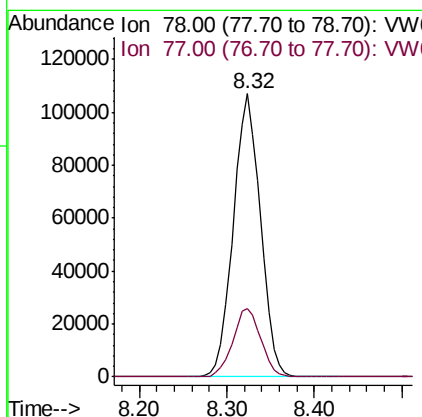
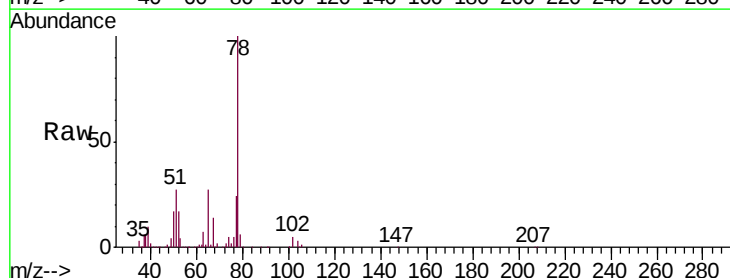
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#40
Benzene
Concen: 21.998 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.3	28.9





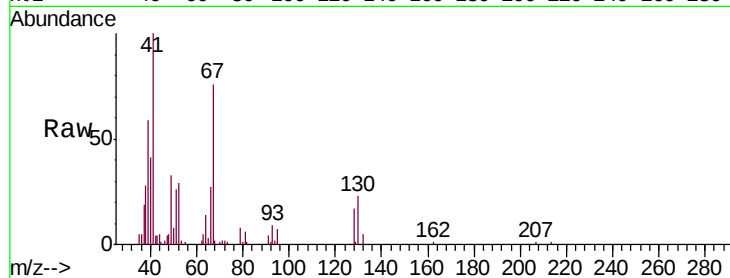
#41
Methacrylonitrile
Concen: 20.865 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.1	52.5	78.7
67	72.8	55.0	82.6
52	32.7	26.9	40.3

Manual Integrations
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3/8/2019 10:54:04 AM



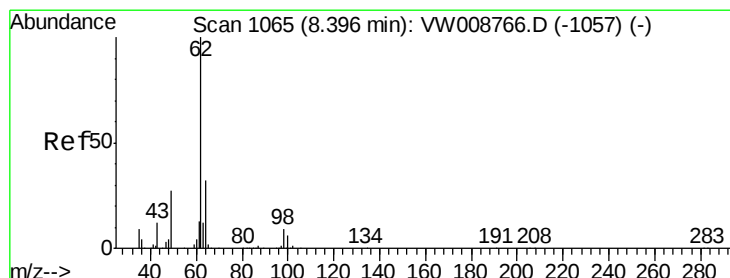
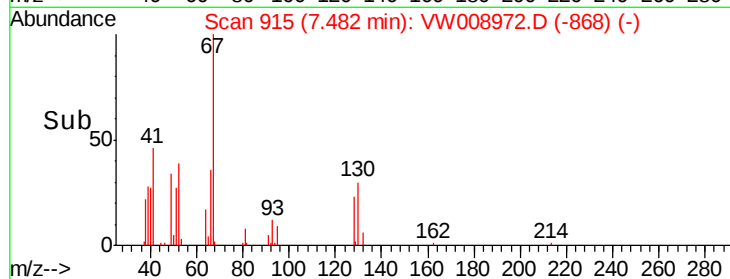
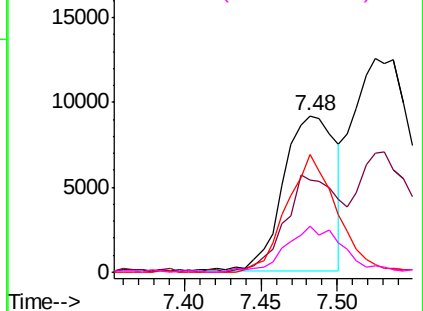
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

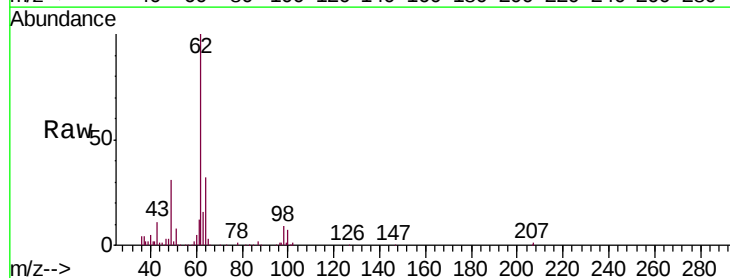
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 23.523 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

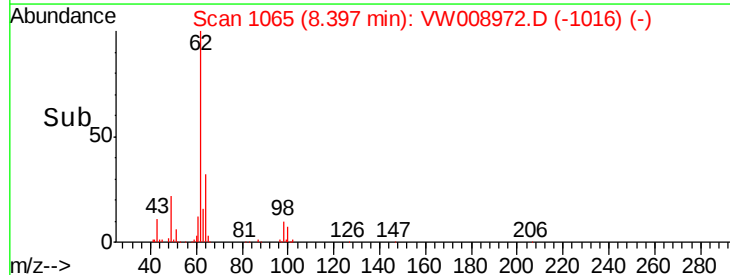
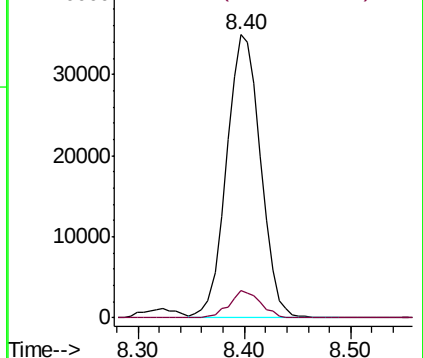
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

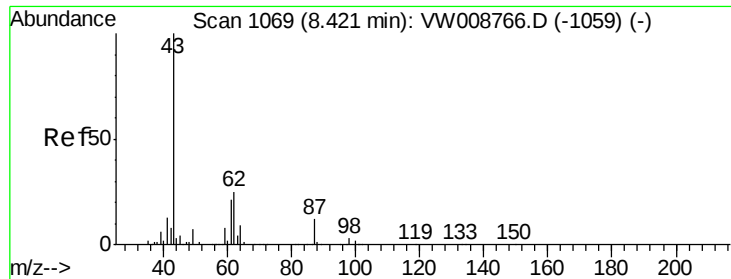


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





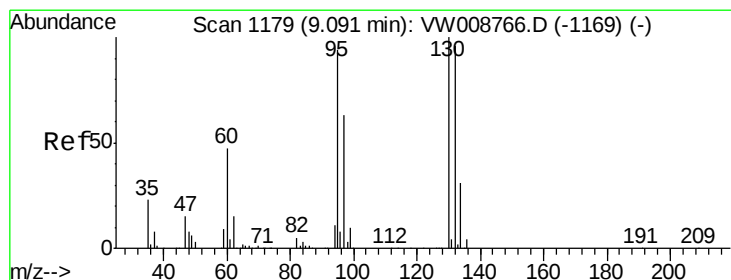
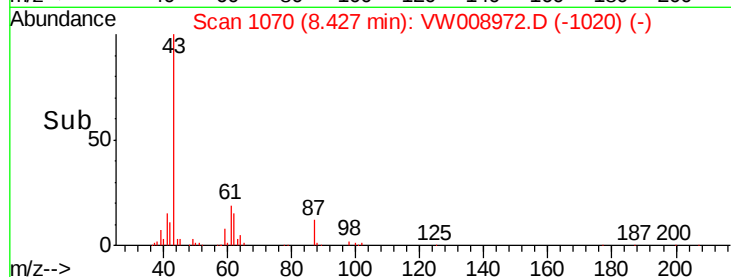
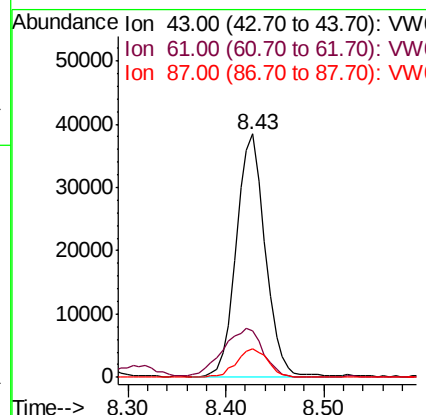
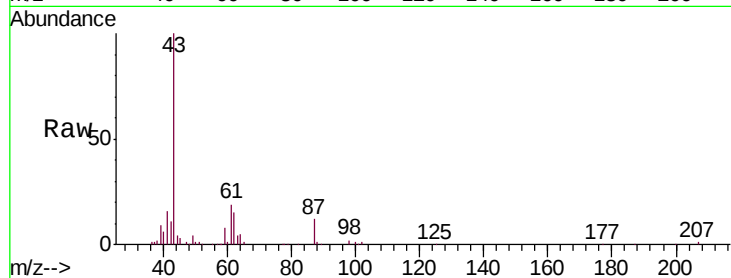
#43
Isopropyl Acetate
Concen: 22.149 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.2	34.8
87	12.8	9.9	14.9

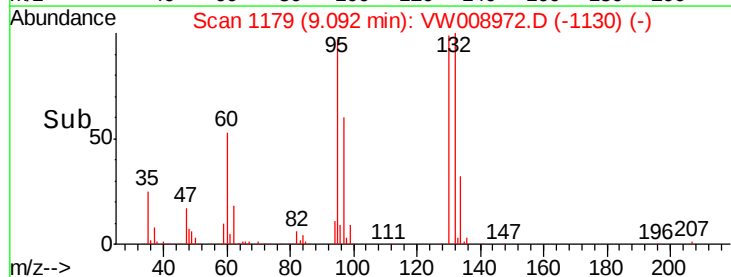
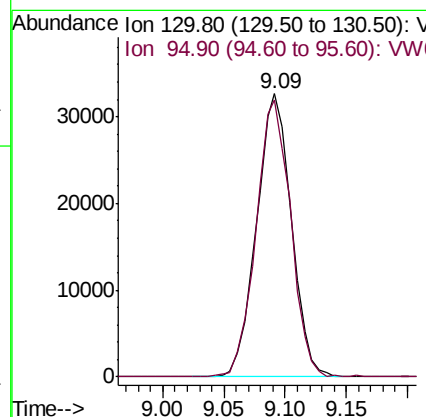
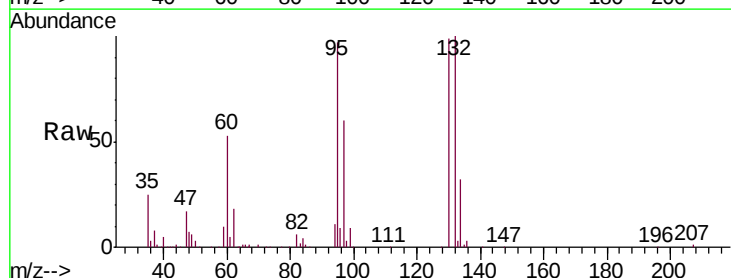
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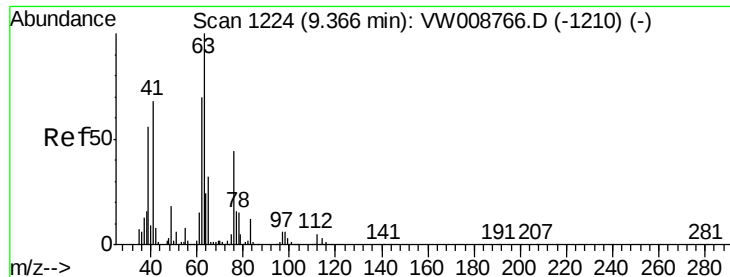
MMDadoda
3/8/2019 10:54:04 AM



#44
Trichloroethene
Concen: 21.920 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	188.6





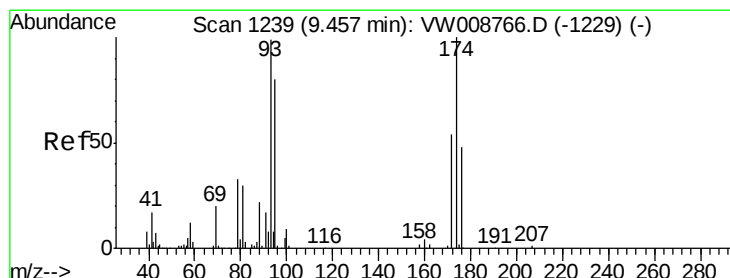
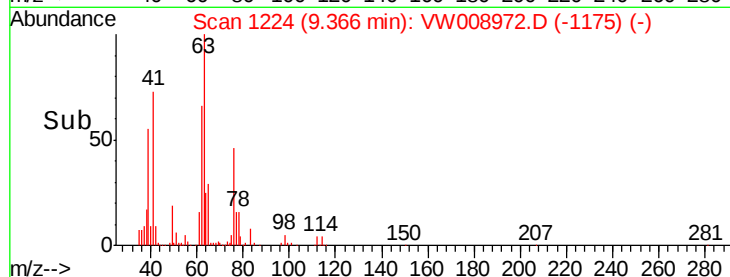
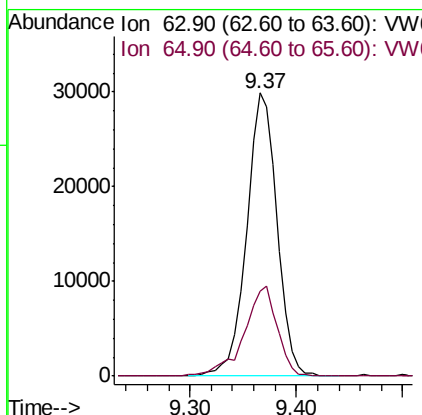
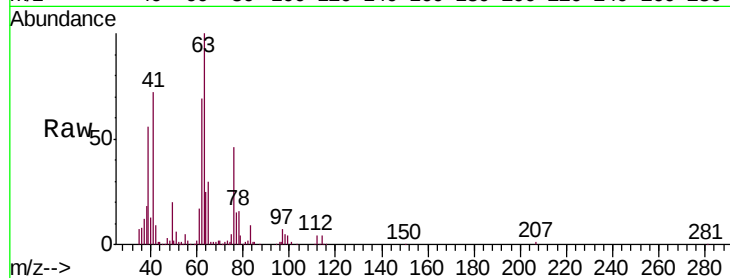
#45
 1,2-Dichloropropane
 Concen: 23.009 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.1	25.5	38.3

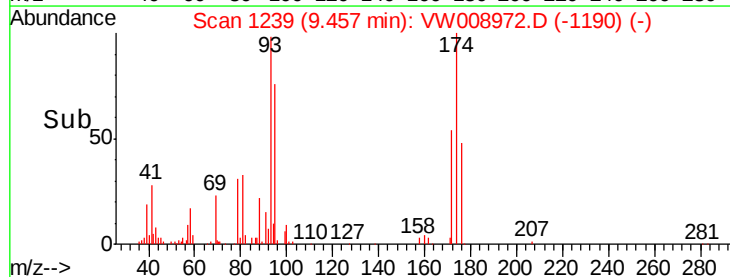
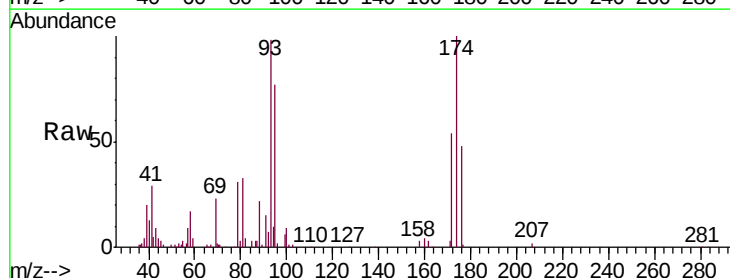
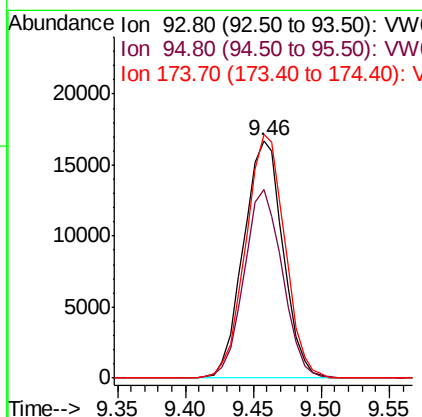
Manual Integrations
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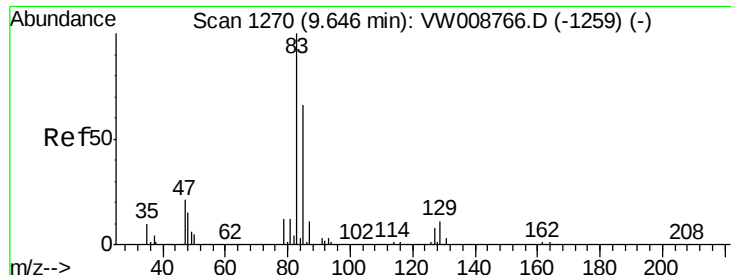
MMDadoda
 3/8/2019 10:54:04 AM



#46
 Dibromomethane
 Concen: 23.593 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
93	100		
95	77.2	67.7	101.5
174	102.0	86.7	130.1





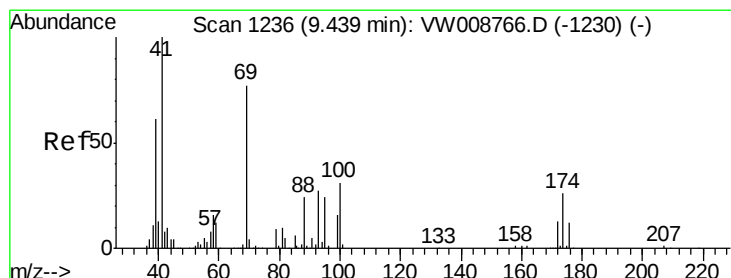
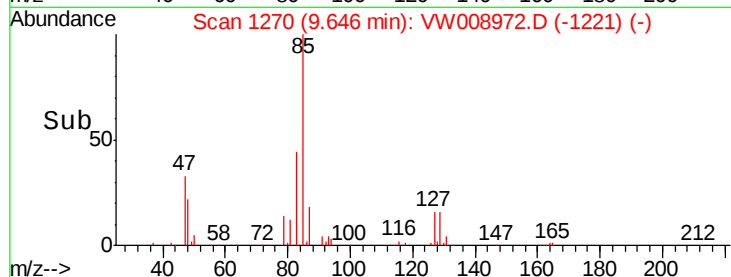
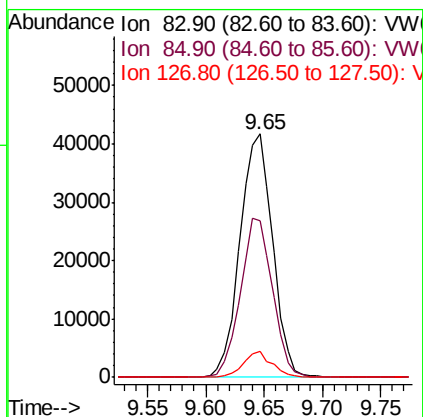
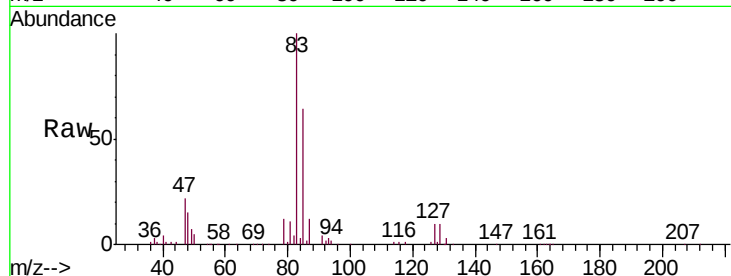
#47
Bromodichloromethane
Concen: 23.281 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.5	78.7
127	10.5	6.7	10.1

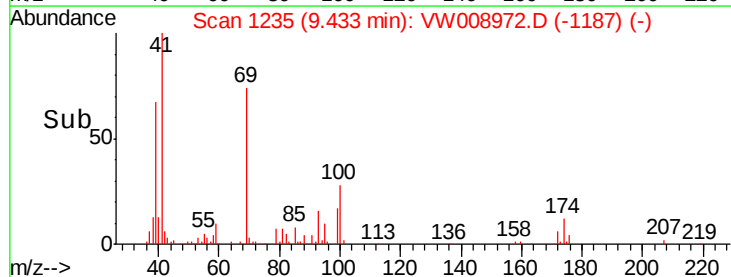
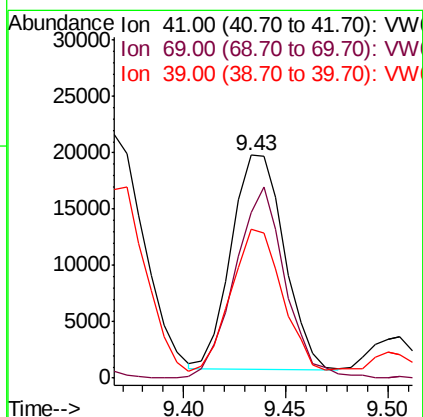
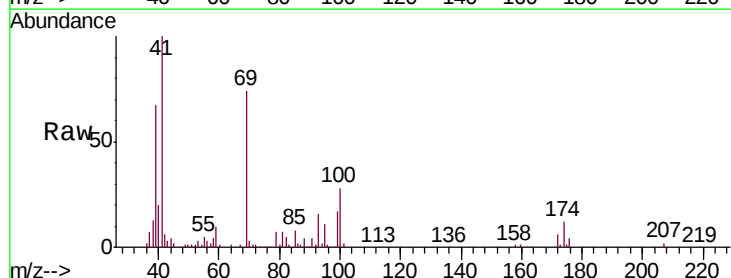
Manual Integrations
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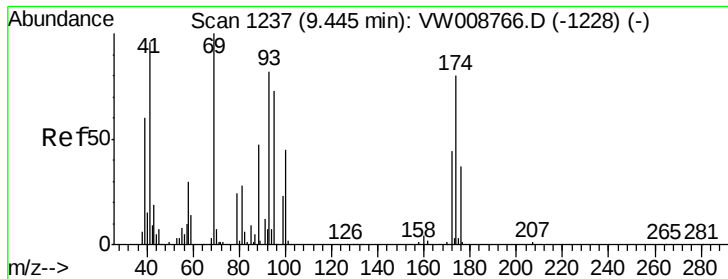
MMDadoda
3/8/2019 10:54:04 AM



#48
Methyl methacrylate
Concen: 20.071 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.3	63.6	95.4
39	65.6	52.1	78.1





#49

1,4-Dioxane

Concen: 378.851 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

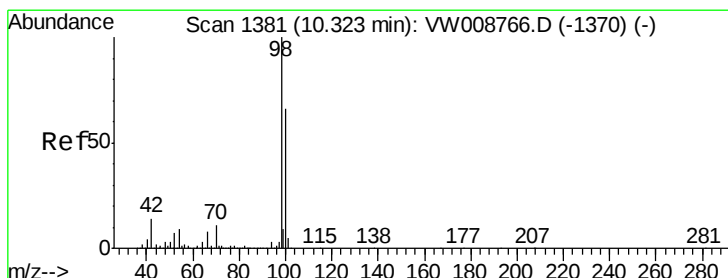
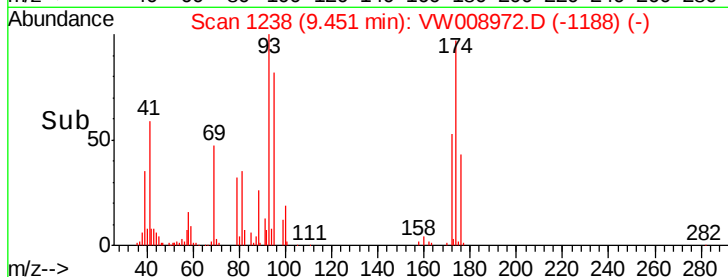
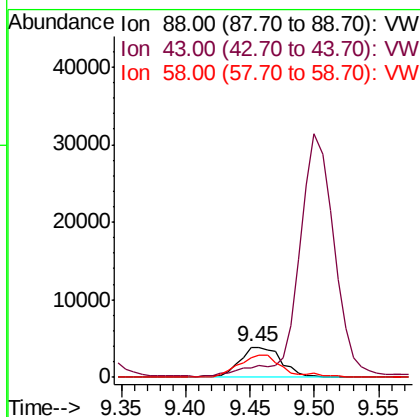
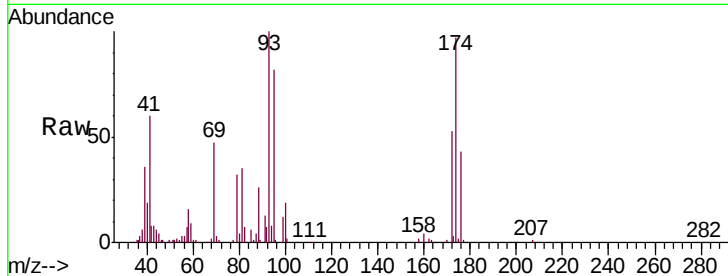
ClientSampleId :

VW0305SBSD01

Tgt Ion:	88	Resp:	8744
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	77.4	52.0	78.0

Manual Integrations
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#50

Toluene-d8

Concen: 52.146 ug/l

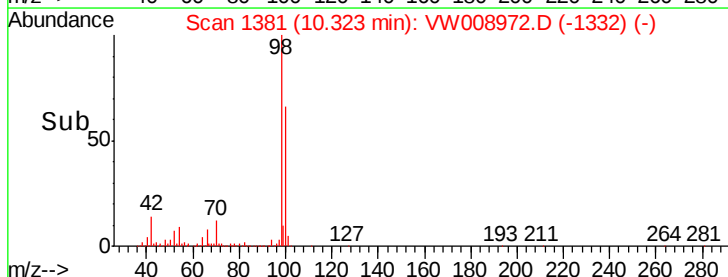
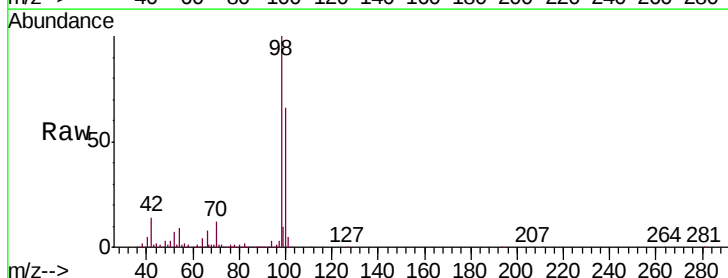
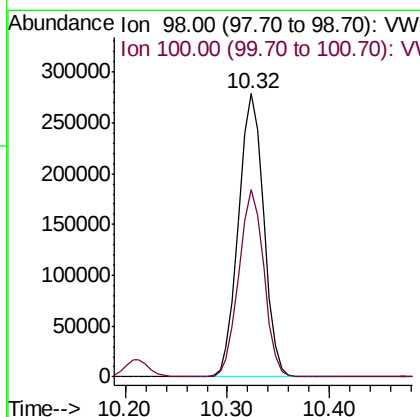
RT: 10.32 min Scan# 1381

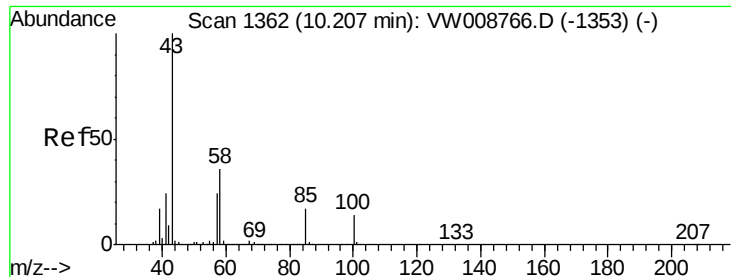
Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Tgt Ion:	98	Resp:	476814
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6





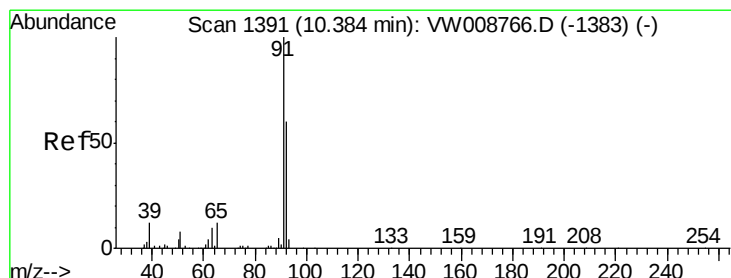
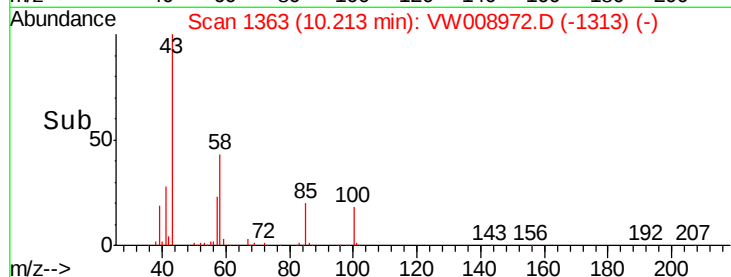
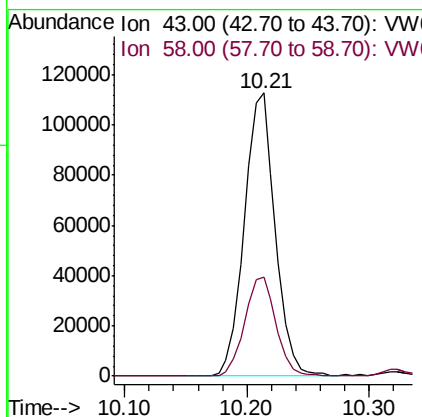
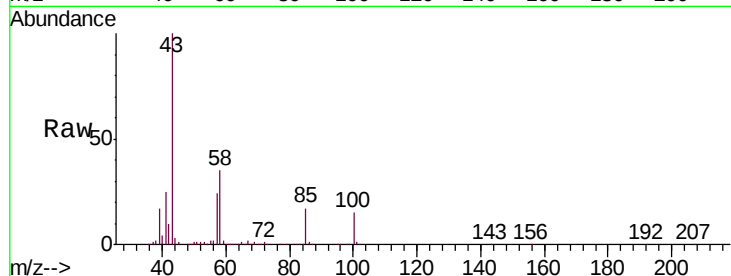
#51
 4-Methyl-2-Pentanone
 Concen: 109.131 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBSD01

Tgt Ion: 43 Resp: 197477
 Ion Ratio Lower Upper
 43 100
 58 35.8 29.1 43.7

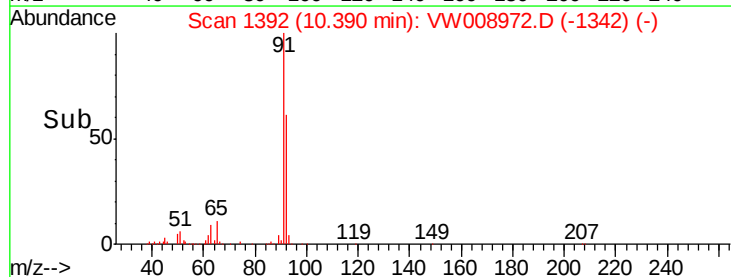
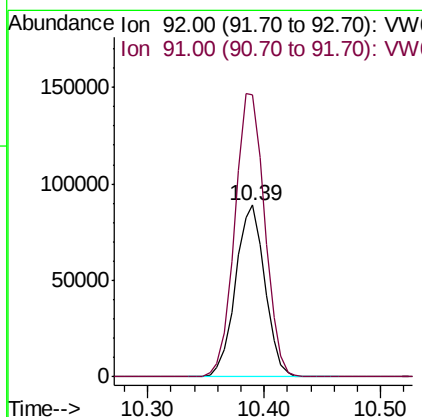
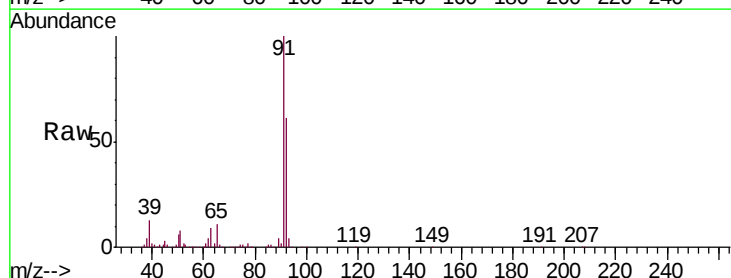
Manual Integrations
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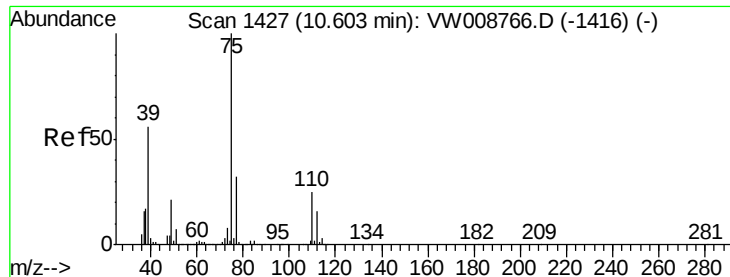
MMDadoda
 3/8/2019 10:54:04 AM



#52
 Toluene
 Concen: 21.988 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Tgt Ion: 92 Resp: 156467
 Ion Ratio Lower Upper
 92 100
 91 168.6 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 21.910 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleID :

VW0305SBS01

Tgt Ion: 75 Resp: 78309

Ion Ratio Lower Upper

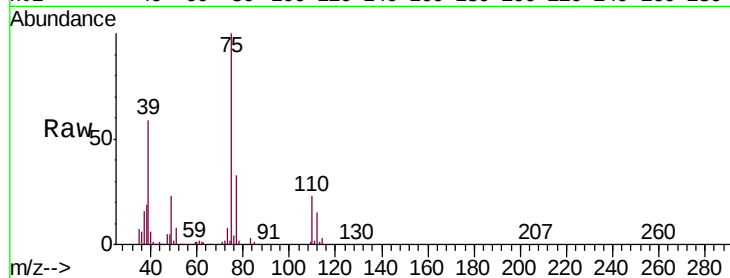
75 100

77 33.0 26.1 39.1

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

50000

40000

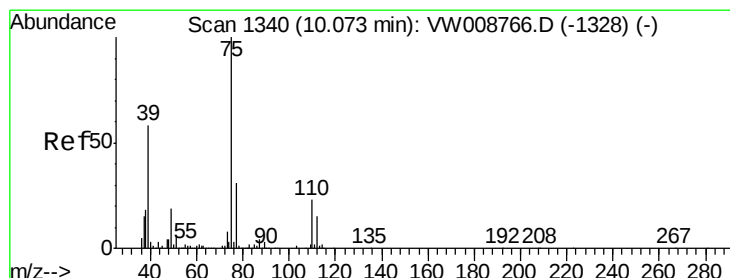
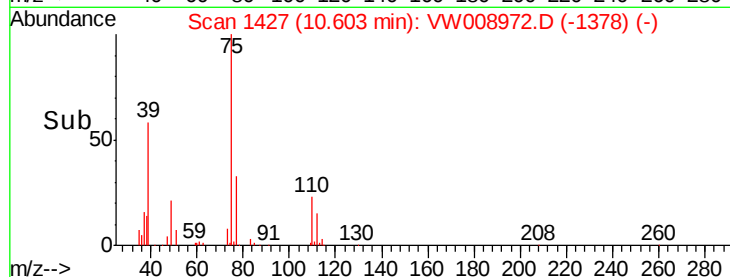
30000

20000

10000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 22.565 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

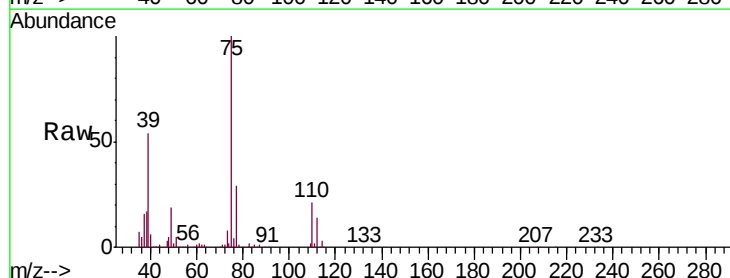
Tgt Ion: 75 Resp: 91983

Ion Ratio Lower Upper

75 100

77 29.3 25.0 37.4

39 53.8 46.6 70.0



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

10.07

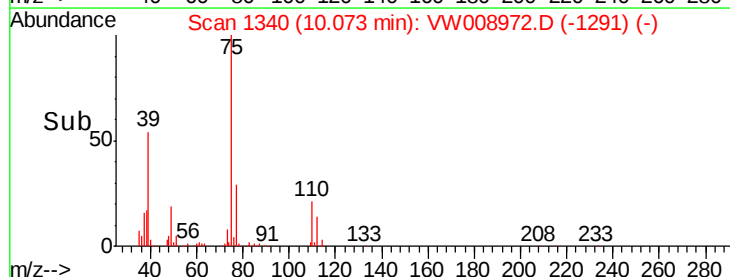
60000

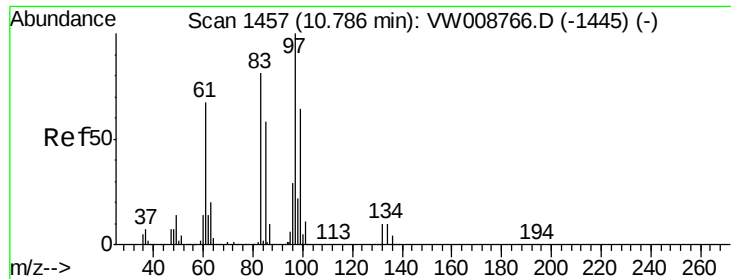
40000

20000

0

Time--> 10.00 10.10





#55

1,1,2-Trichloroethane

Concen: 23.445 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

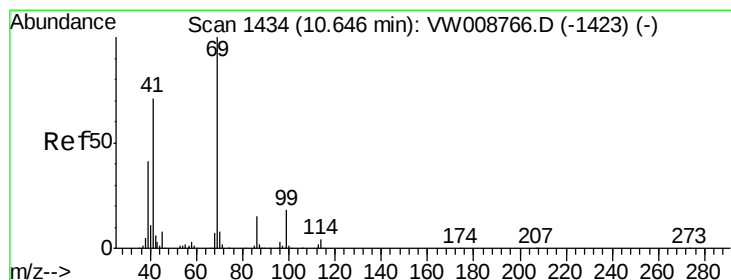
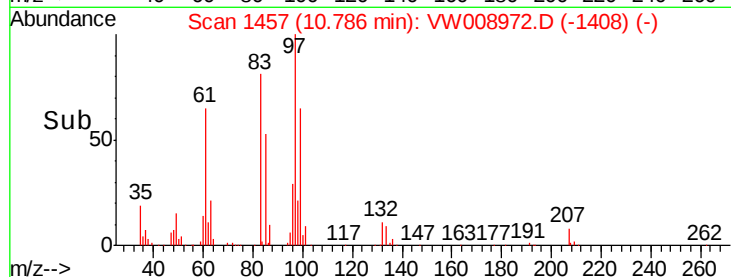
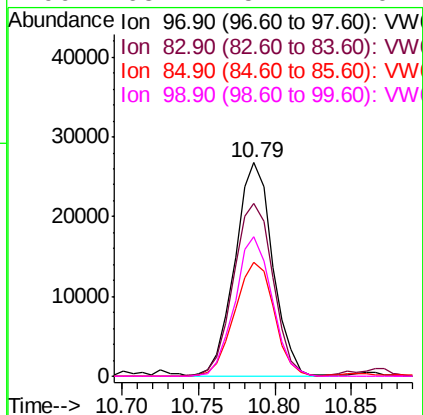
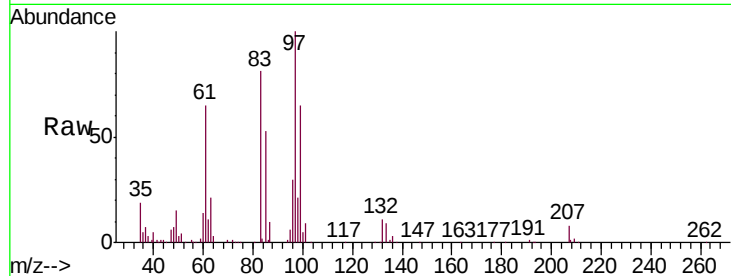
ClientSampleId :

VW0305SBS01

Tgt Ion:	97	Resp:	45824
Ion	Ratio	Lower	Upper
97	100		
83	80.6	65.0	97.6
85	53.3	46.0	69.0
99	65.4	51.1	76.7

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#56

Ethyl methacrylate

Concen: 20.850 ug/l

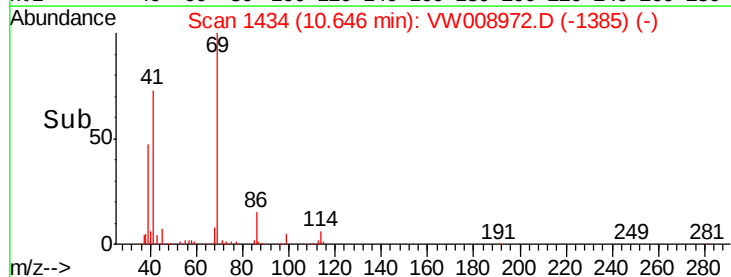
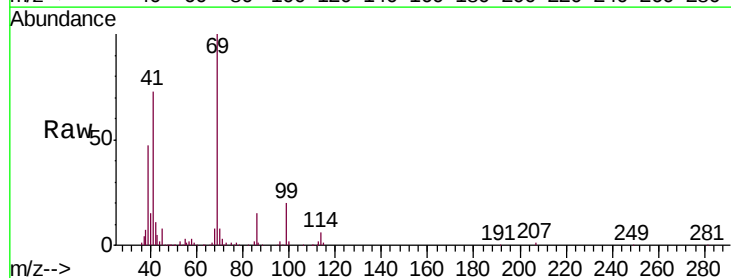
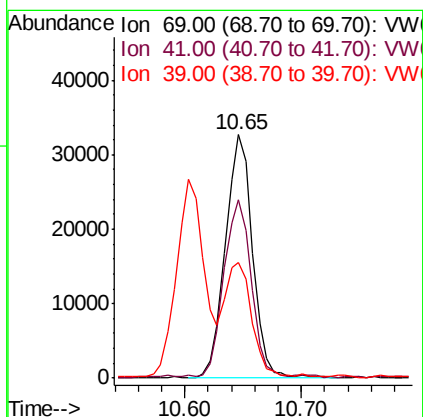
RT: 10.65 min Scan# 1434

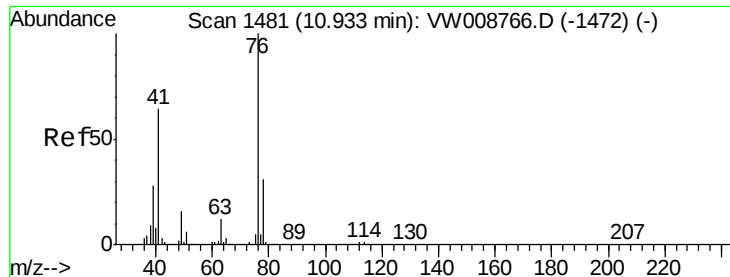
Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Tgt Ion:	69	Resp:	52946
Ion	Ratio	Lower	Upper
69	100		
41	72.3	57.4	86.0
39	45.0	34.8	52.2





#57

1,3-Dichloropropane

Concen: 23.173 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion: 76 Resp: 79971

Ion Ratio Lower Upper

76 100

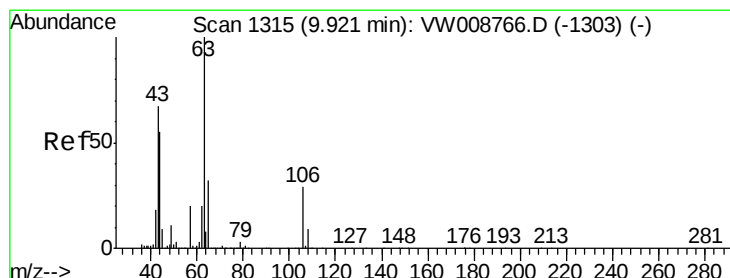
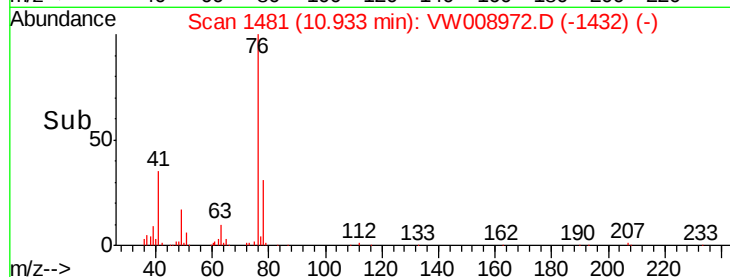
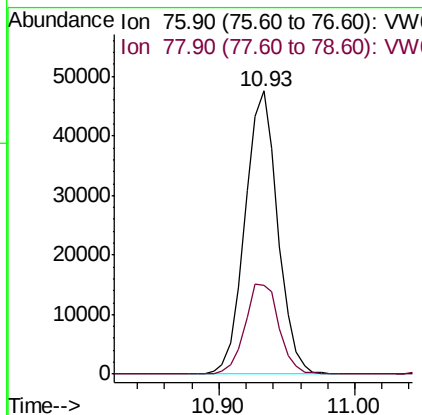
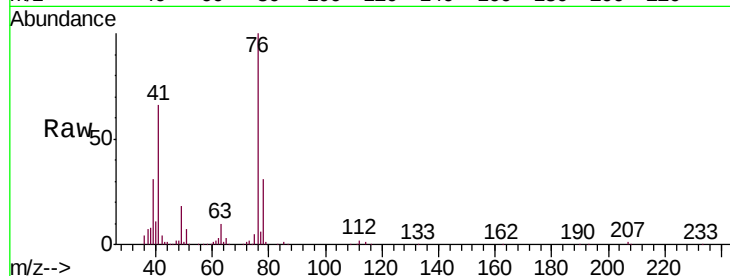
78 33.4 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 112.191 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW008972.D

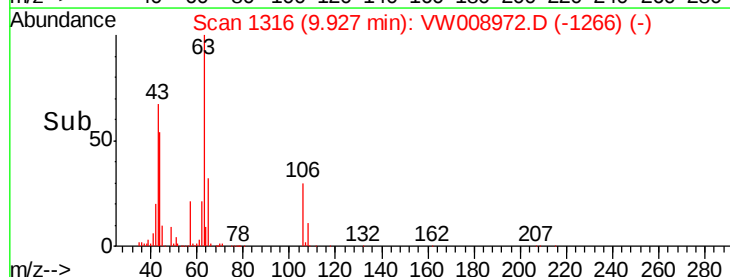
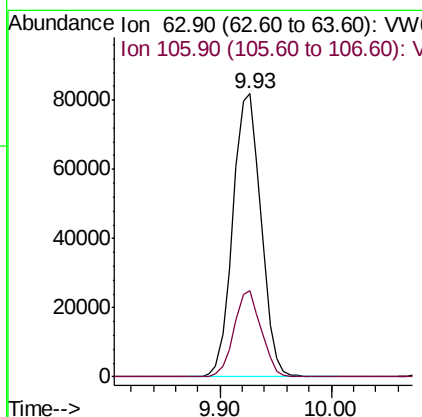
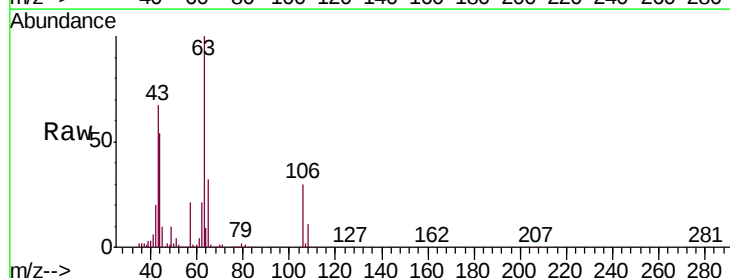
Acq: 04 Mar 2019 21:01

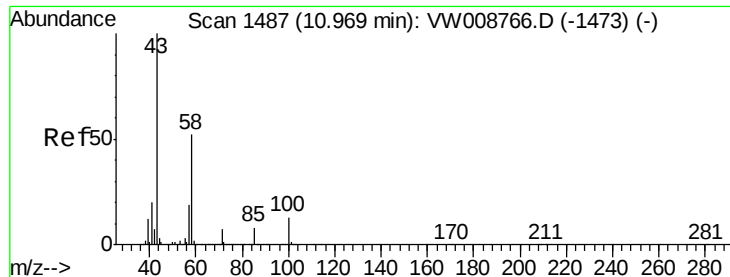
Tgt Ion: 63 Resp: 143287

Ion Ratio Lower Upper

63 100

106 29.3 24.0 36.0





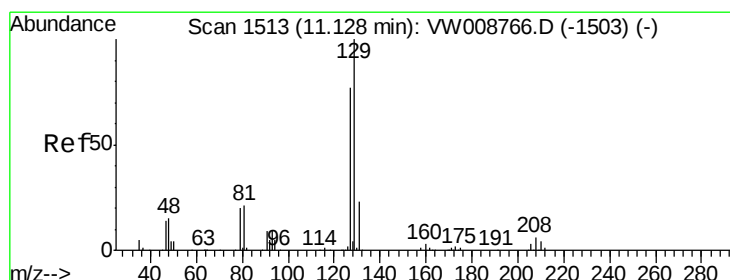
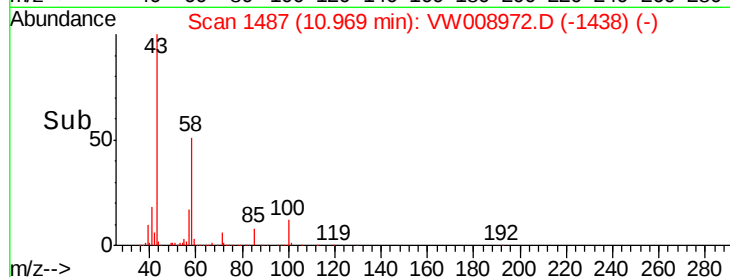
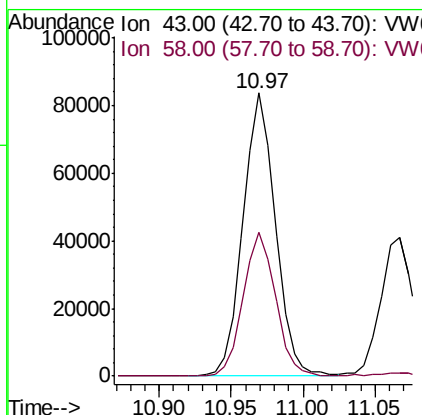
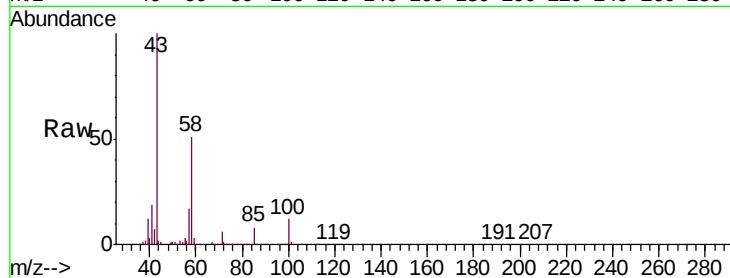
#59
2-Hexanone
Concen: 101.629 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion: 43 Resp: 130909
Ion Ratio Lower Upper
43 100
58 50.6 25.3 75.8

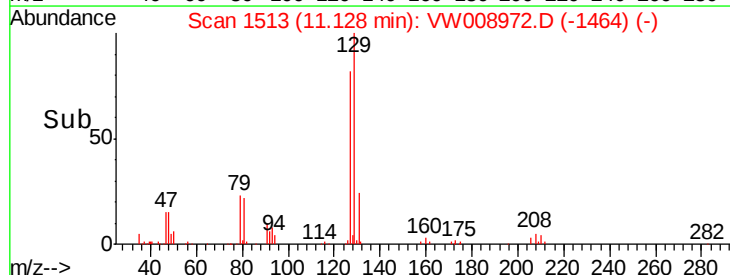
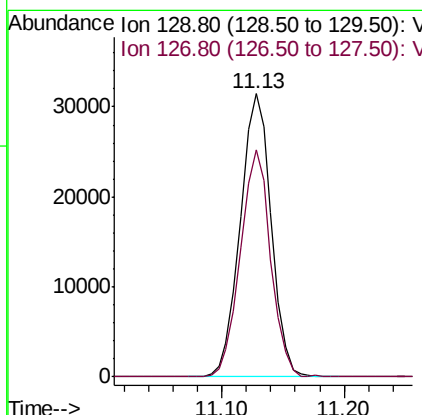
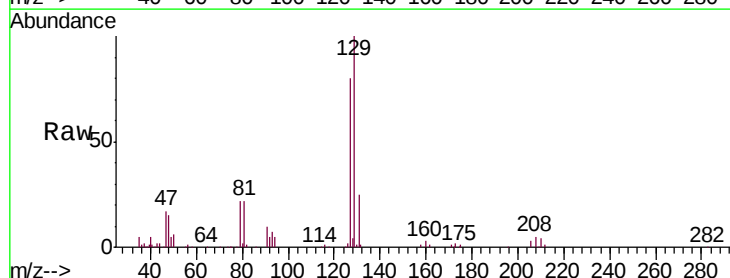
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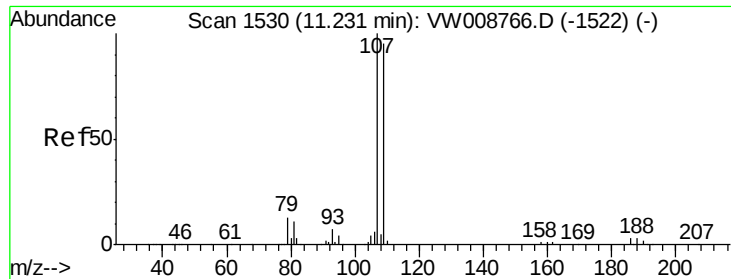
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#60
Dibromochloromethane
Concen: 23.116 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion: 129 Resp: 55110
Ion Ratio Lower Upper
129 100
127 78.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 22.631 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion: 107 Resp: 43784

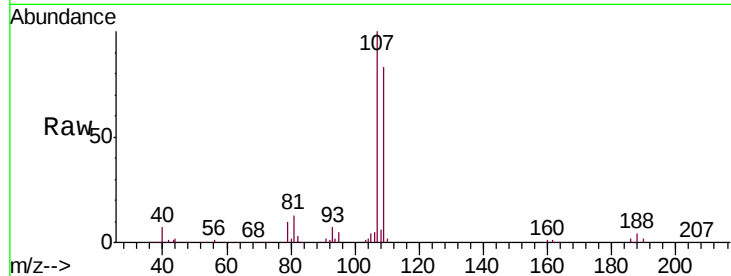
Ion Ratio Lower Upper

107 100

109 92.2 75.6 113.4

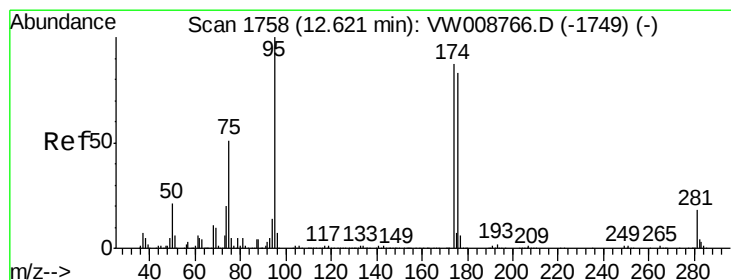
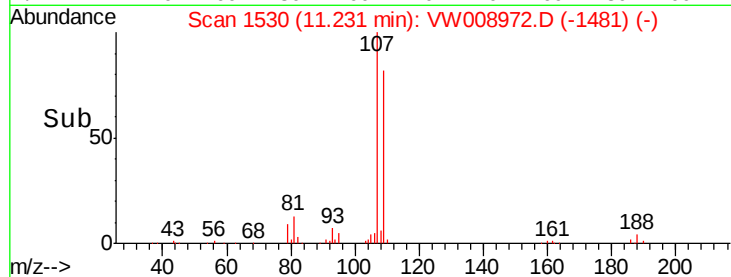
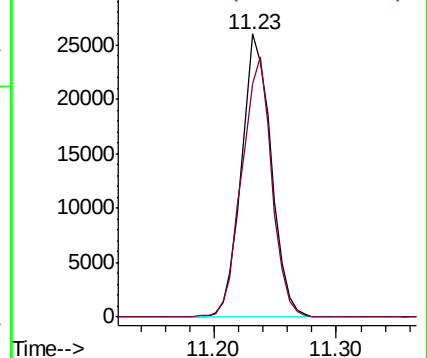
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.192 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

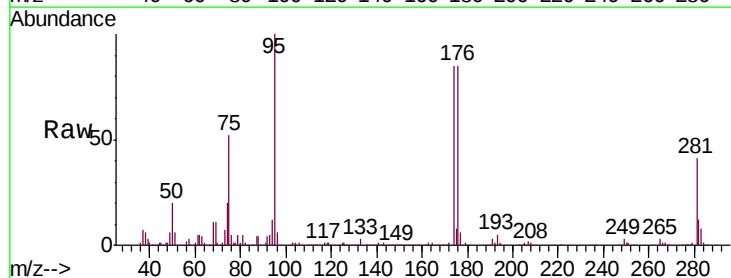
Tgt Ion: 95 Resp: 186858

Ion Ratio Lower Upper

95 100

174 84.5 0.0 169.2

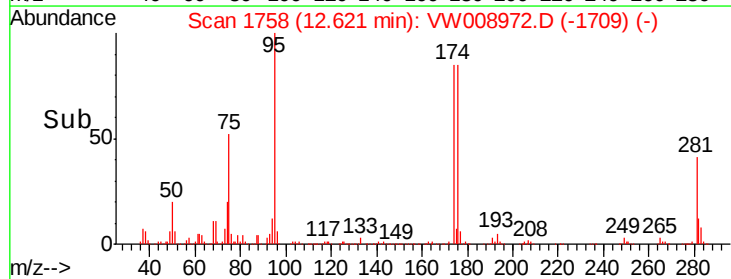
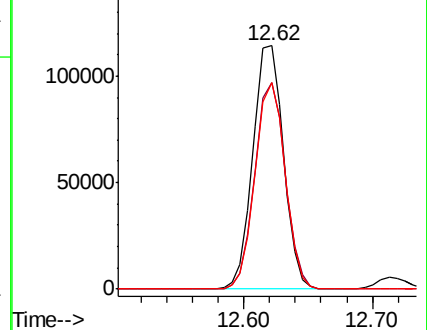
176 83.6 0.0 163.6

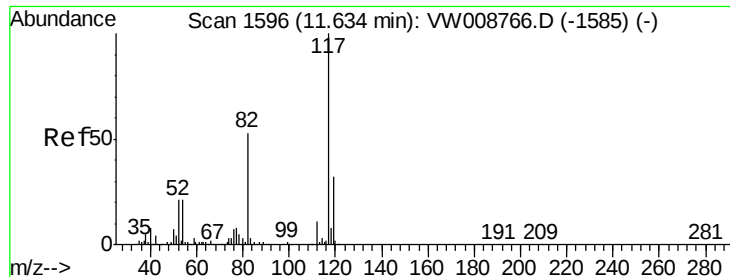


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





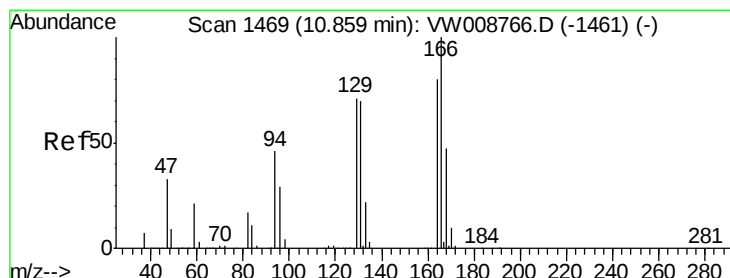
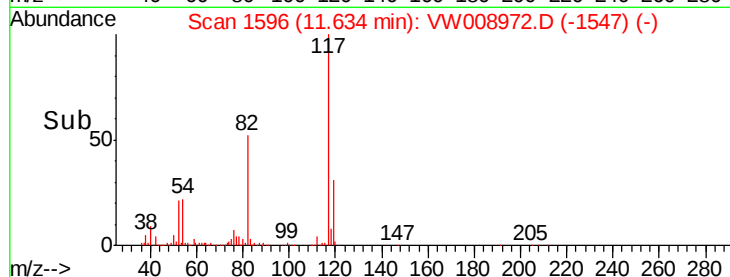
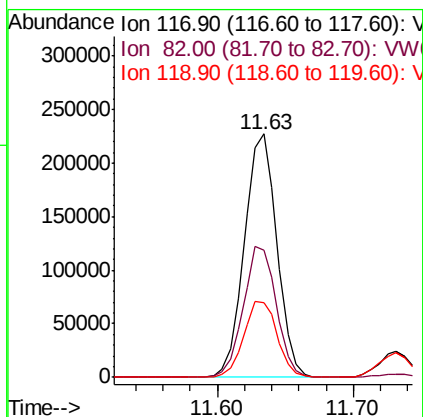
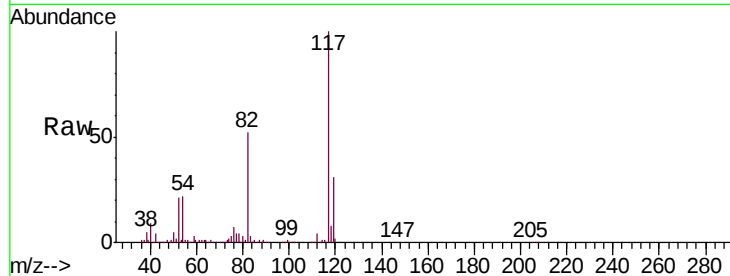
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	379816		
82	52.1		42.2	63.4
119	30.7		25.9	38.9

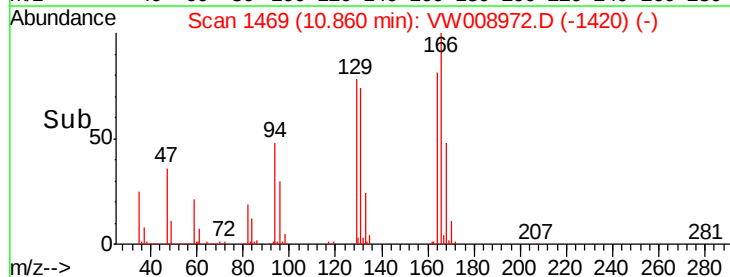
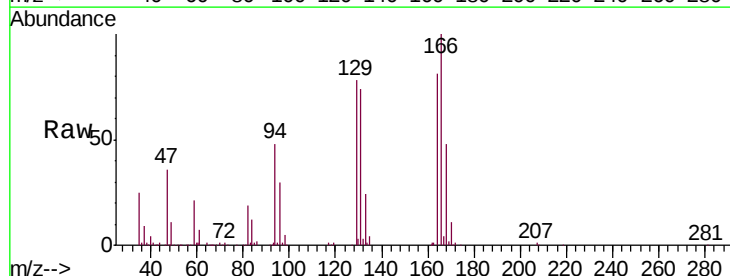
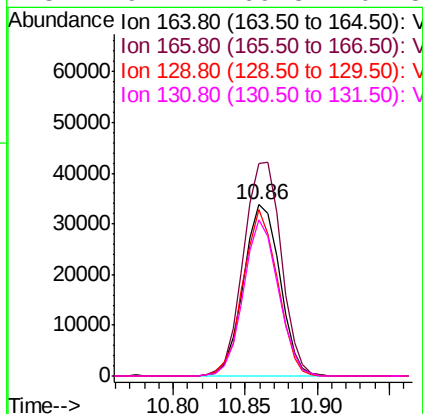
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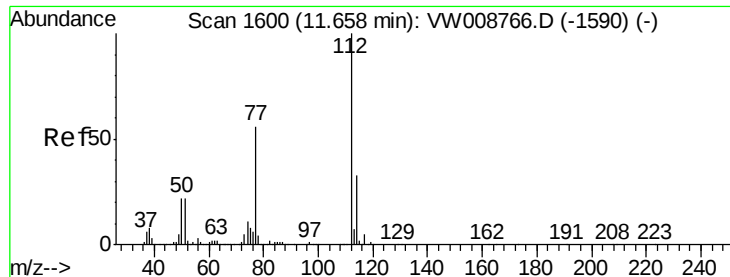
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#64
Tetrachloroethene
Concen: 21.782 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59220		
166	124.1		99.5	149.3
129	96.8		71.1	106.7
131	91.2		69.8	104.8





#65

Chlorobenzene

Concen: 21.548 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion:112 Resp: 172092

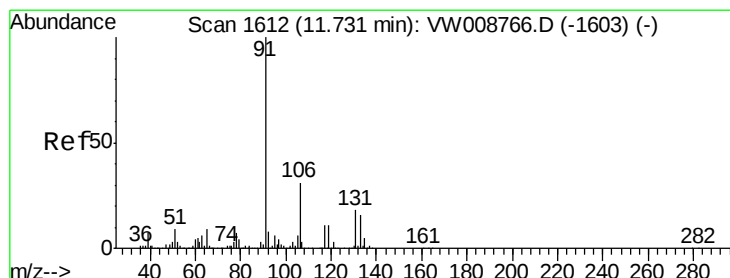
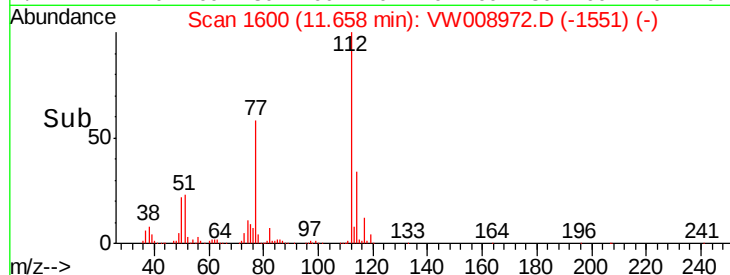
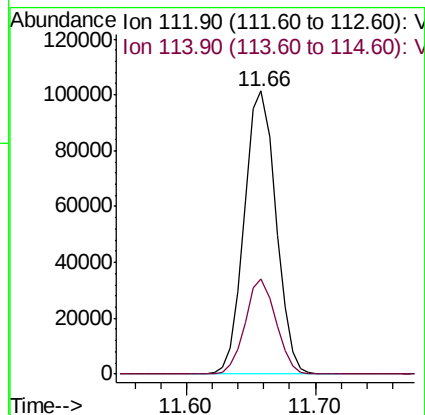
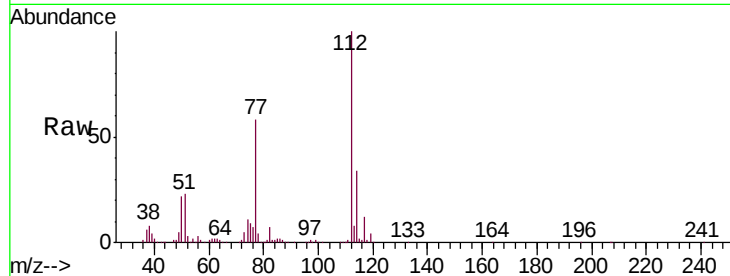
Ion Ratio Lower Upper

112 100

114 33.6 26.6 40.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 22.401 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

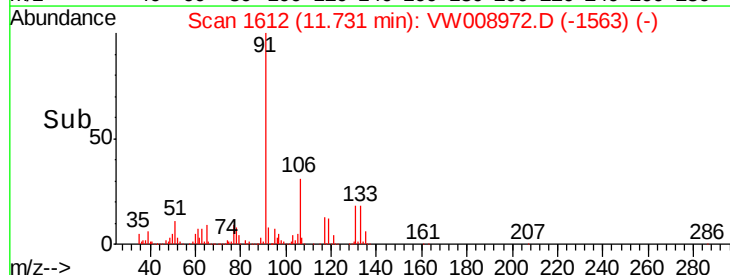
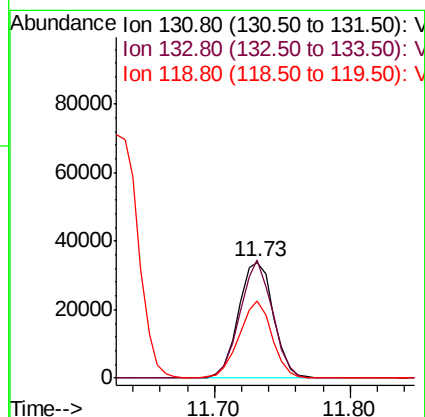
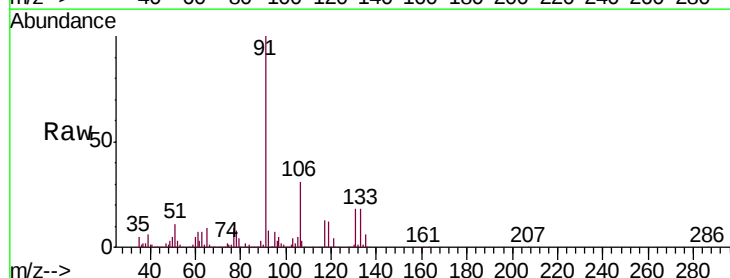
Tgt Ion:131 Resp: 60491

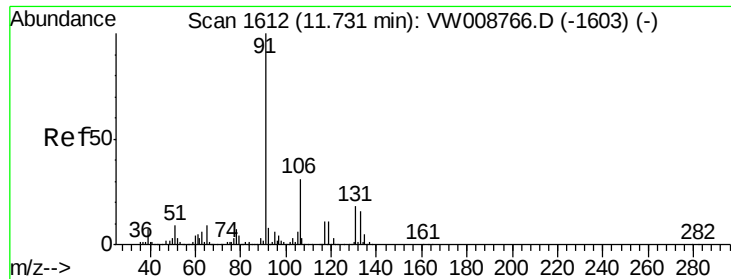
Ion Ratio Lower Upper

131 100

133 94.4 46.7 140.0

119 62.9 30.8 92.4





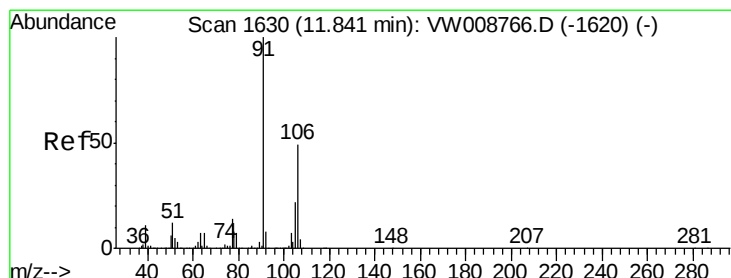
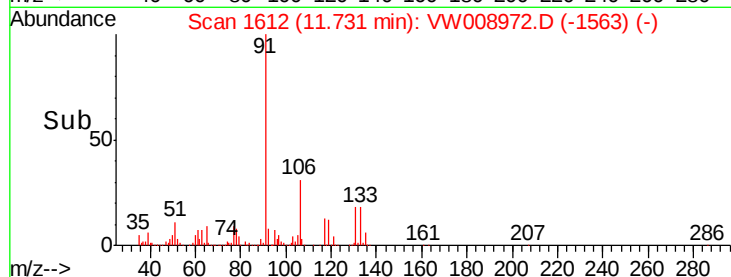
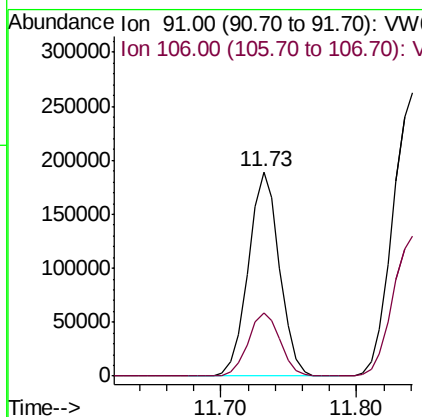
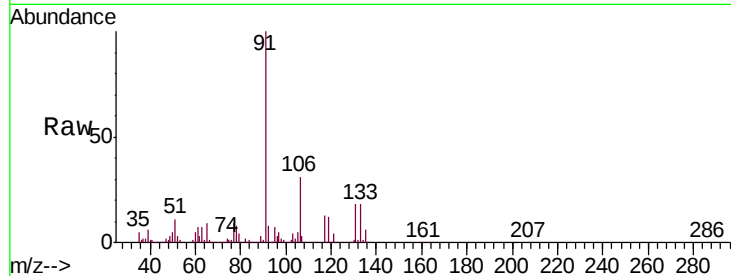
#67
Ethyl Benzene
Concen: 21.234 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion: 91 Resp: 303158
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.6

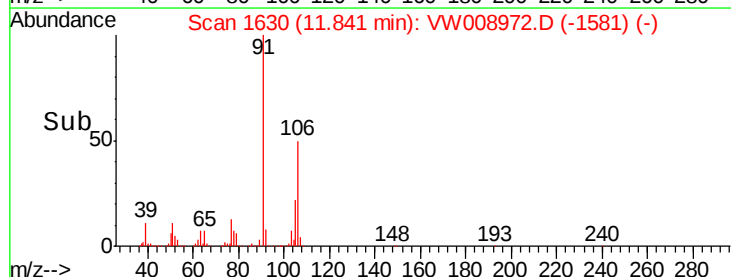
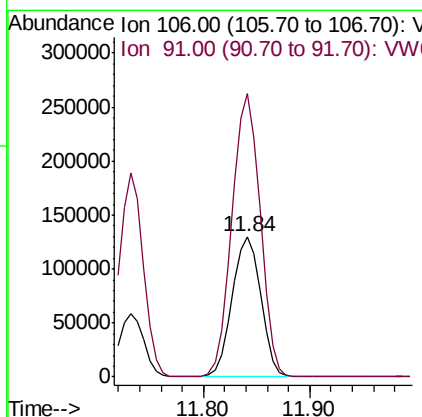
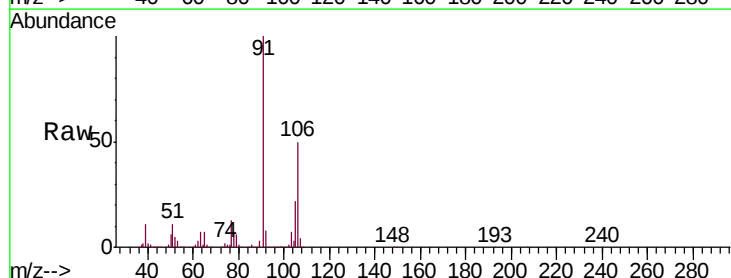
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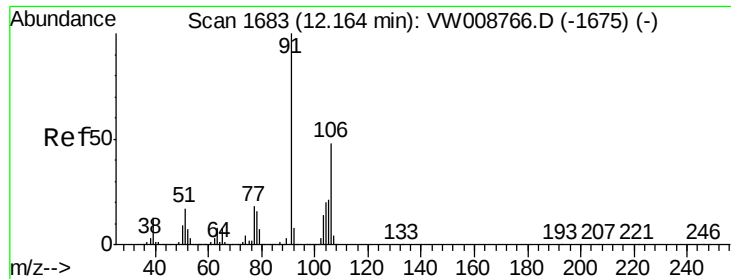
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#68
m/p-Xylenes
Concen: 43.253 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion: 106 Resp: 246731
Ion Ratio Lower Upper
106 100
91 199.3 161.5 242.3





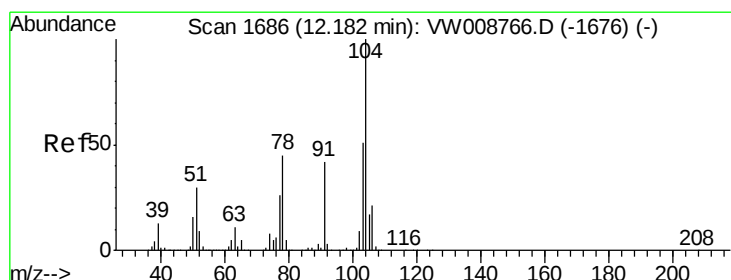
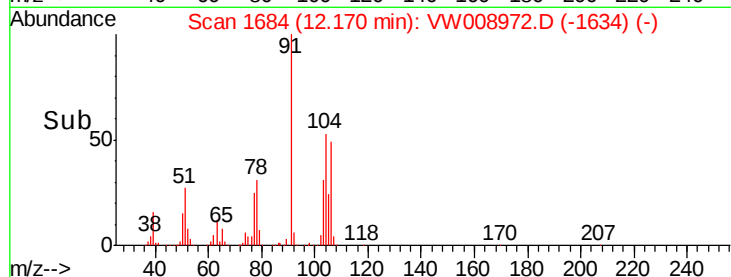
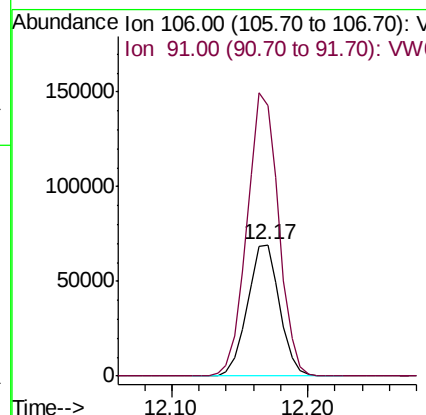
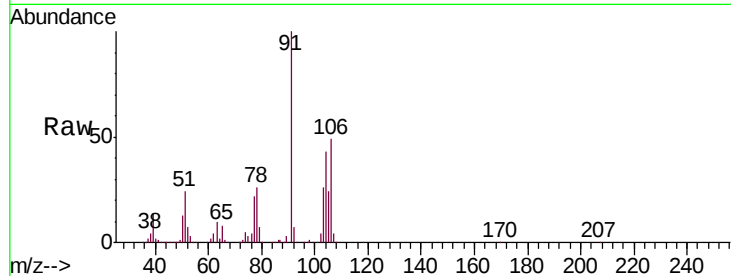
#69
o-Xylene
Concen: 21.383 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBSD01

Tgt Ion:106 Resp: 114488
Ion Ratio Lower Upper
106 100
91 212.1 106.2 318.6

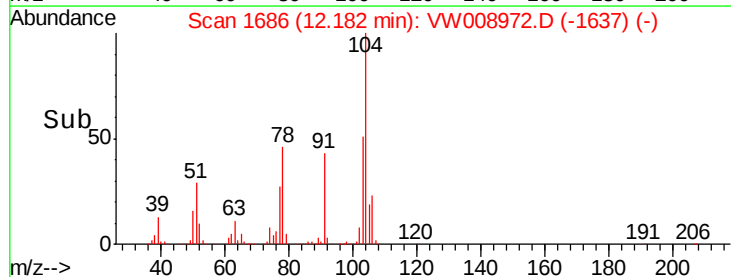
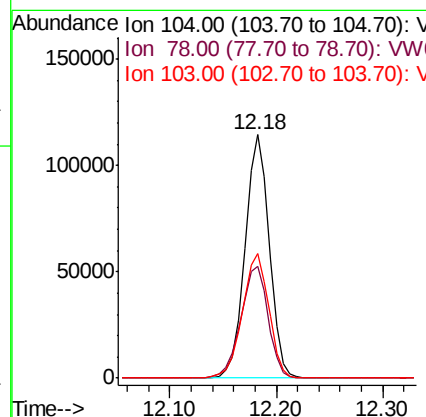
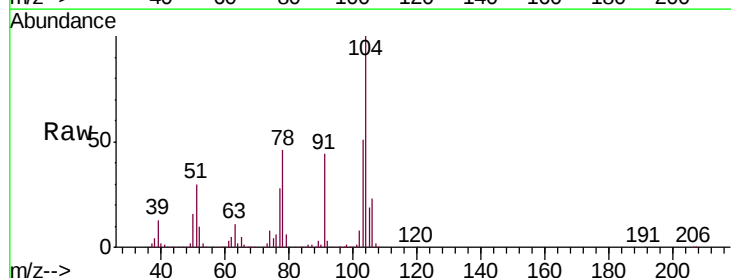
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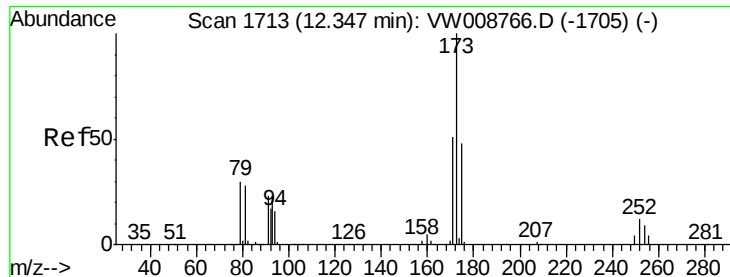
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#70
Styrene
Concen: 21.277 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion:104 Resp: 183278
Ion Ratio Lower Upper
104 100
78 51.6 40.8 61.2
103 55.7 44.2 66.2





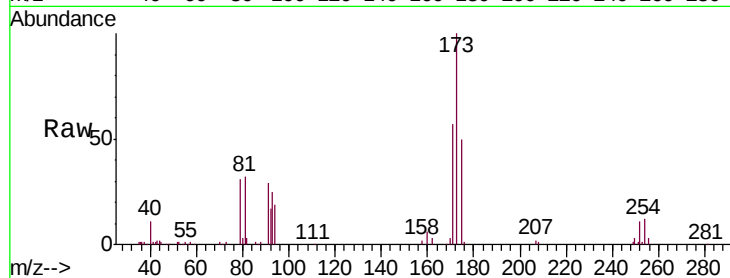
#71
Bromoform
Concen: 21.753 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

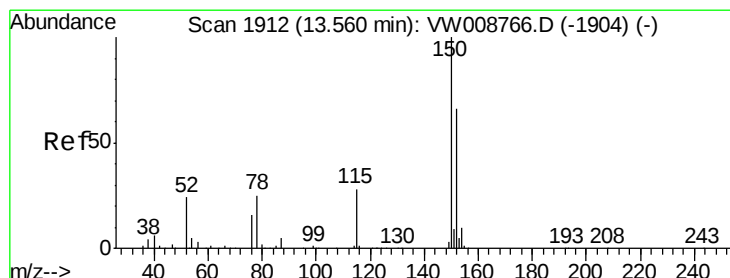
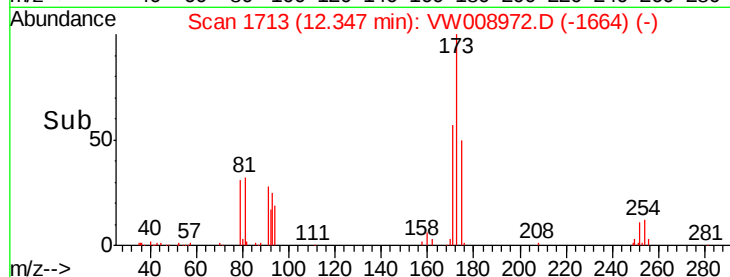
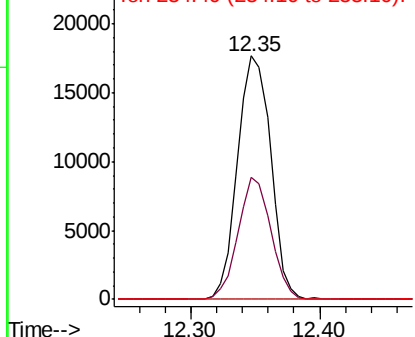
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.2	72.6
254	0.0	0.2	0.4

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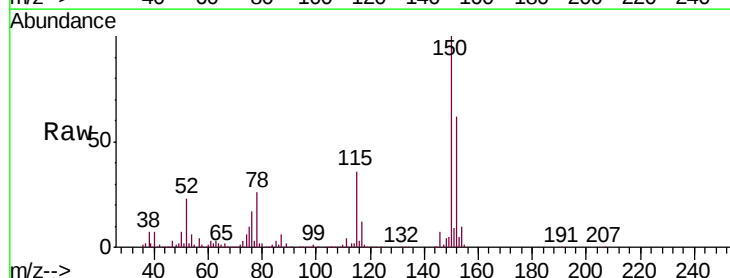


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

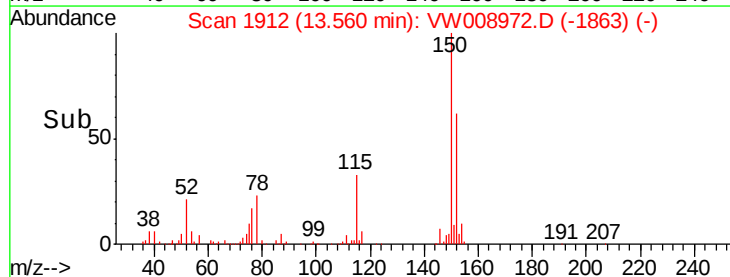
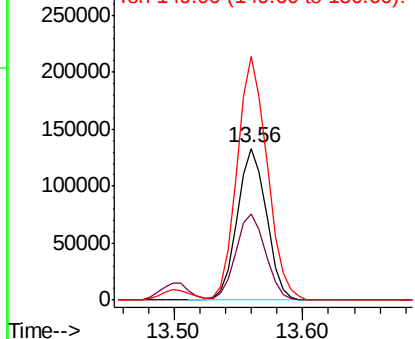


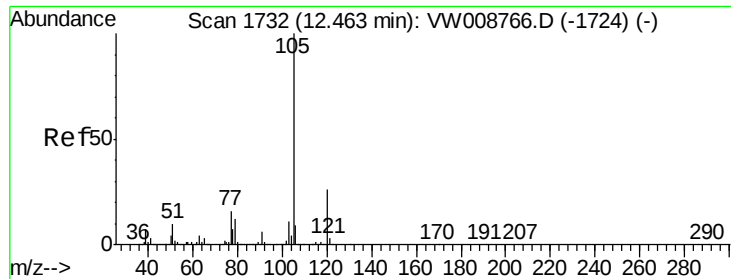
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.6	85.8
150	166.6	0.0	348.0



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: 21.653 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

ClientSampleId :

VW0305SBS01

Tgt Ion: 105 Resp: 308891

Ion Ratio Lower Upper

105 100

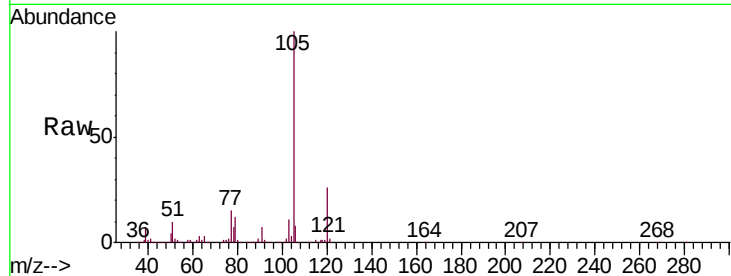
120 26.1 13.3 39.9

Manual Integrations

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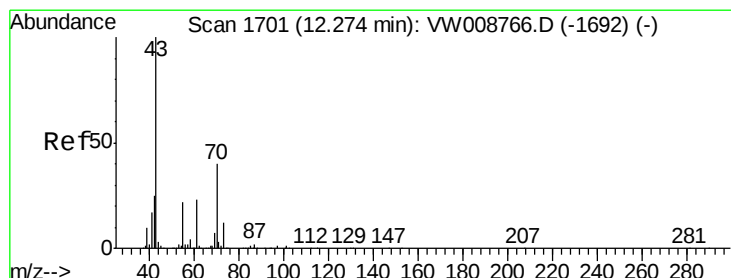
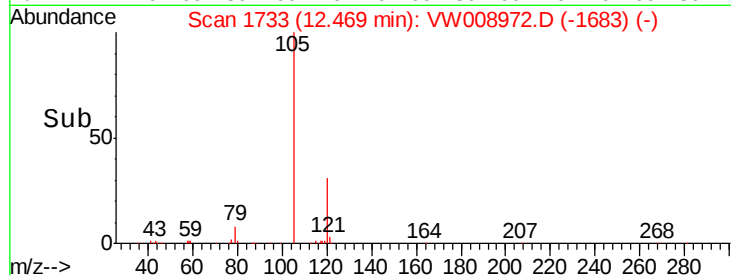
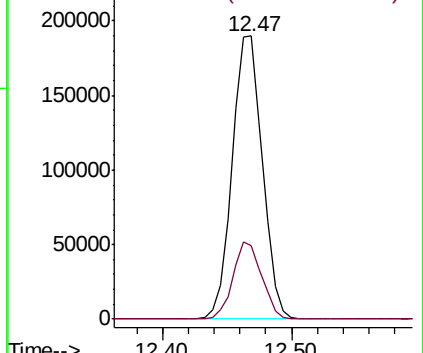
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.504 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Tgt Ion: 43 Resp: 73679

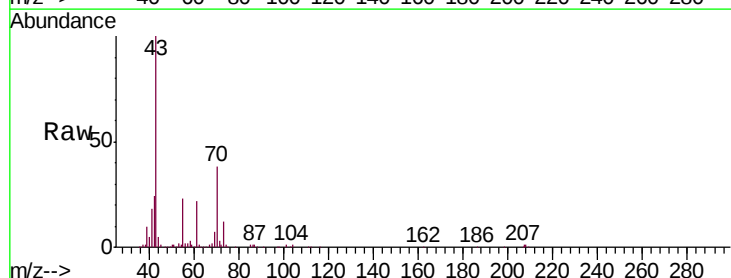
Ion Ratio Lower Upper

43 100

70 38.5 31.0 46.6

55 24.6 18.7 28.1

61 21.6 18.1 27.1

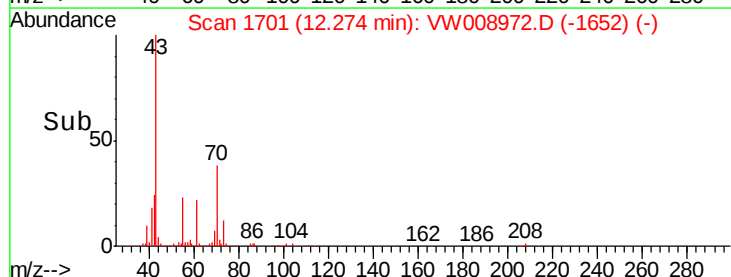
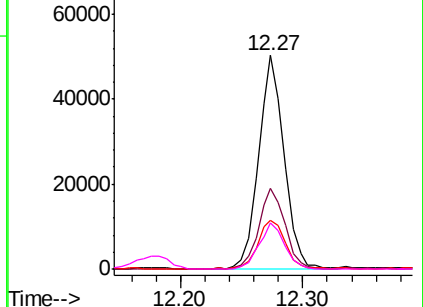


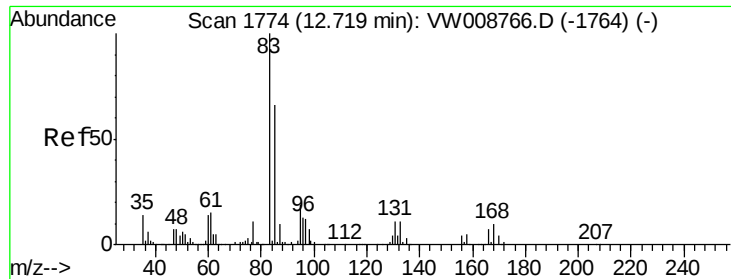
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 22.393 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Instrument :

MSVOA_W

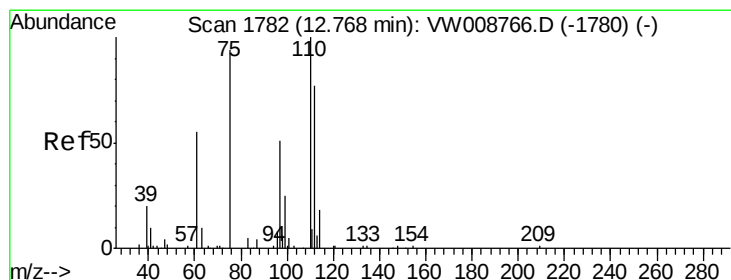
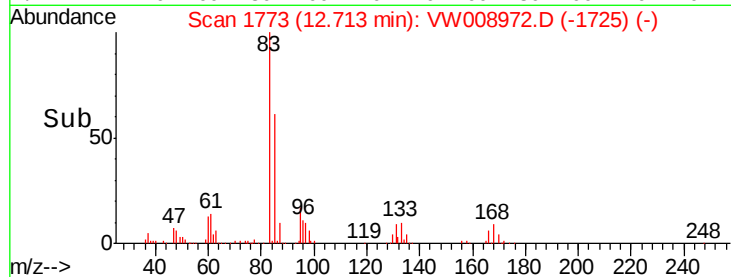
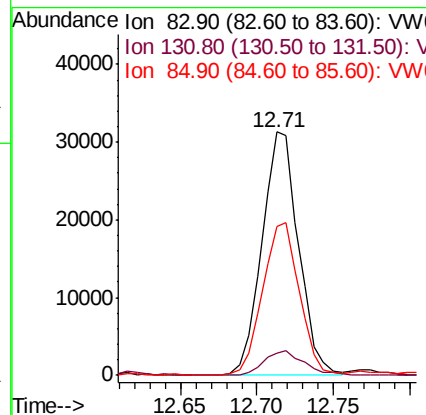
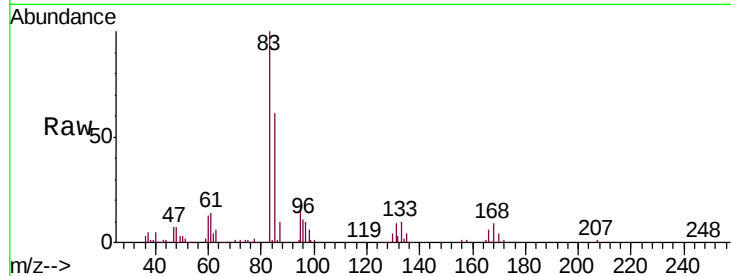
ClientSampleId :

VW0305SBS01

Tgt Ion:	83	Resp:	52198
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.7
85	62.9	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.063 ug/l m

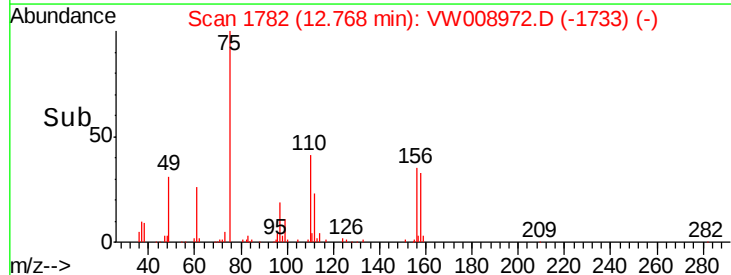
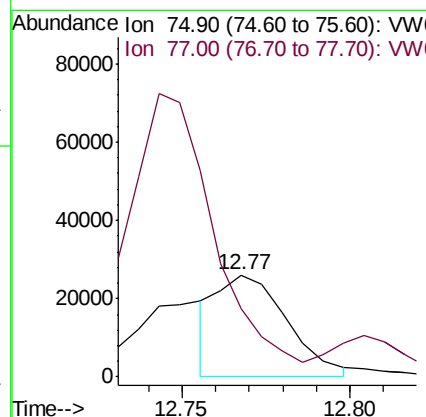
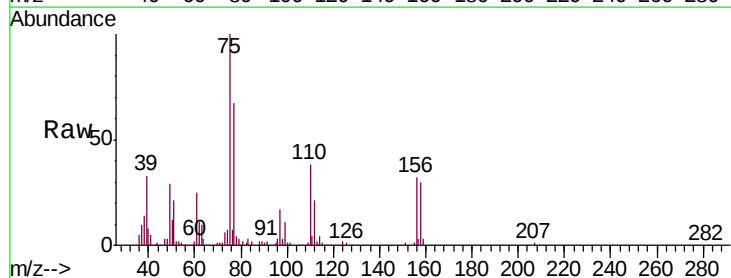
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008972.D

Acq: 04 Mar 2019 21:01

Tgt Ion:	75	Resp:	37906
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





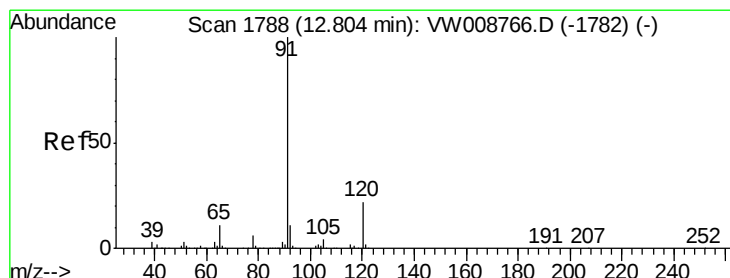
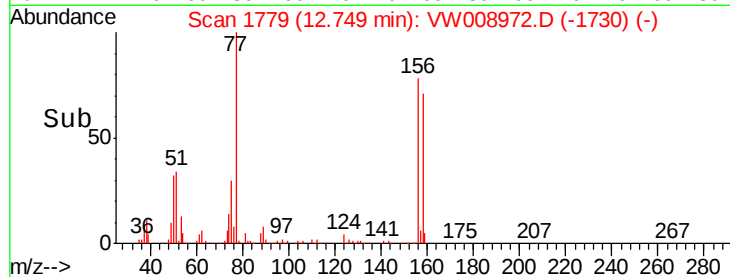
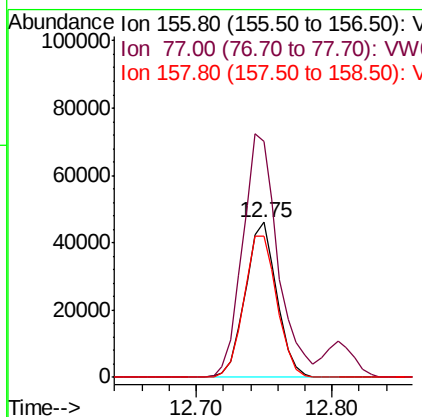
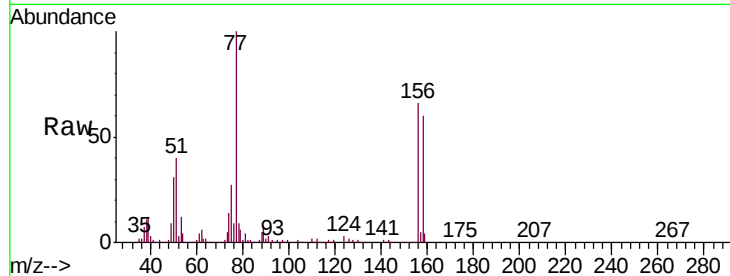
#77
Bromobenzene
Concen: 22.098 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	176.2	89.1	267.4
158	95.7	49.2	147.6

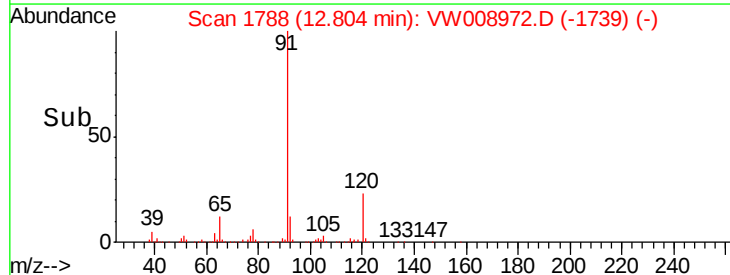
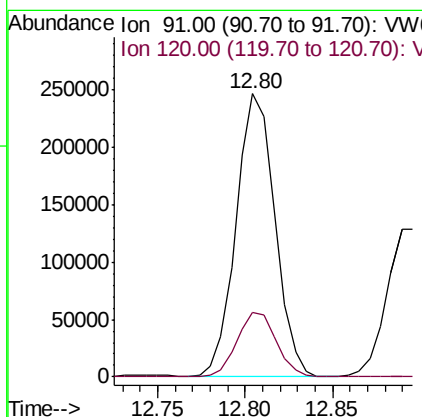
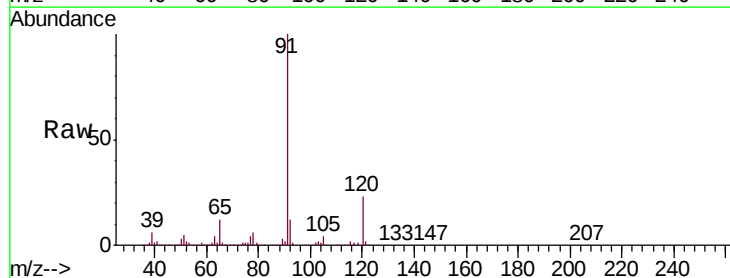
Manual Integrations
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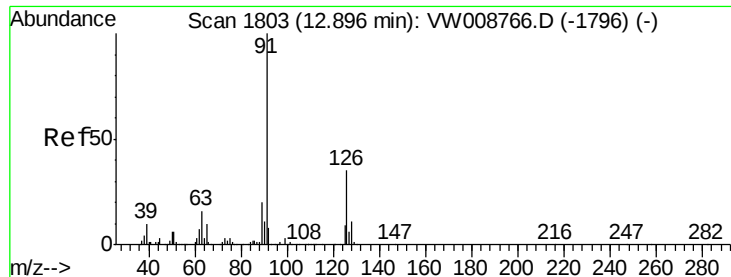
MMDadoda
3/8/2019 10:54:04 AM



#78
n-propylbenzene
Concen: 21.798 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.4





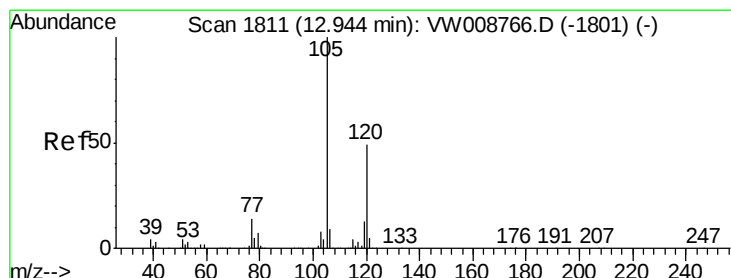
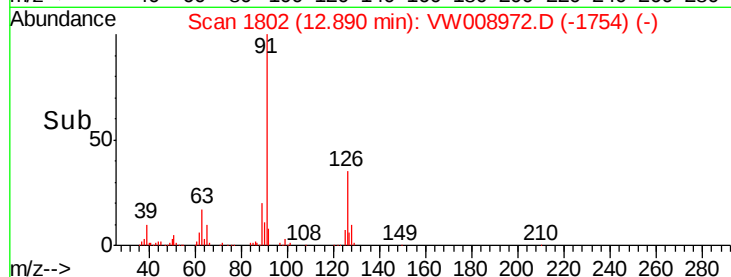
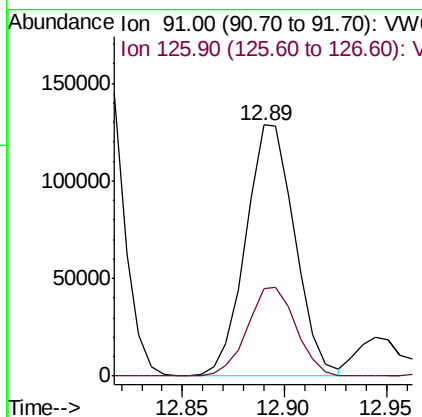
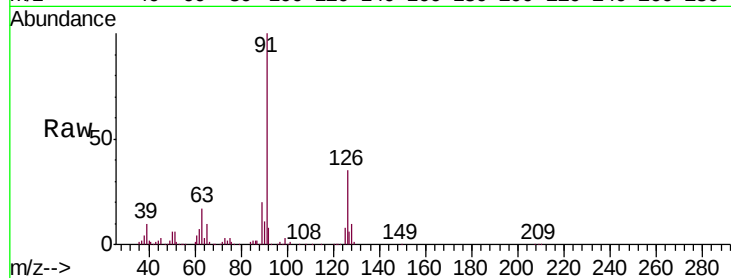
#79
2-Chlorotoluene
Concen: 21.782 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion: 91 Resp: 215801
Ion Ratio Lower Upper
91 100
126 34.9 17.0 51.0

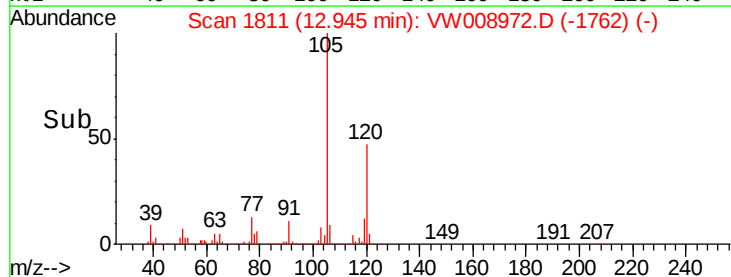
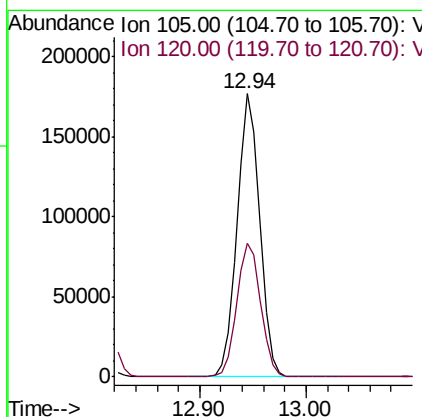
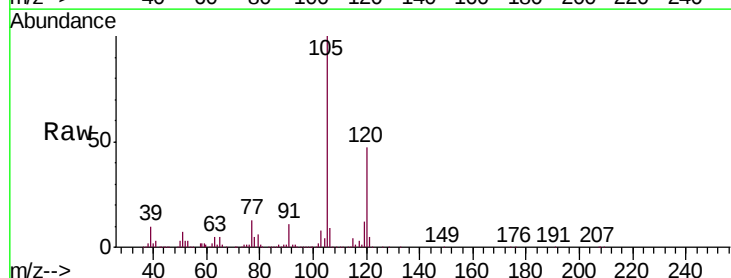
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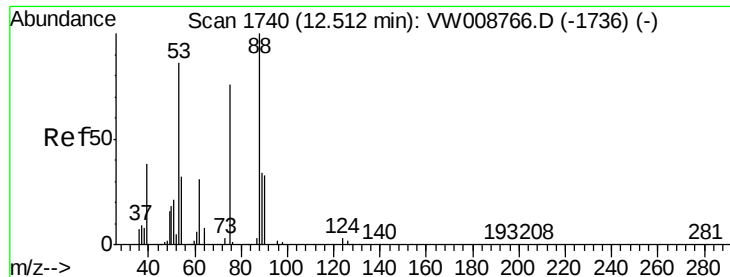
MMDadoda
3/8/2019 10:54:04 AM



#80
1,3,5-Trimethylbenzene
Concen: 21.367 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion: 105 Resp: 264888
Ion Ratio Lower Upper
105 100
120 49.5 24.8 74.4





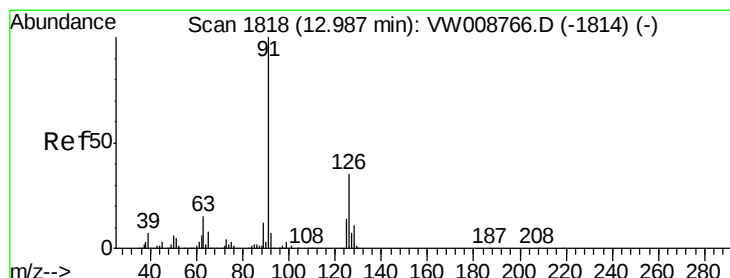
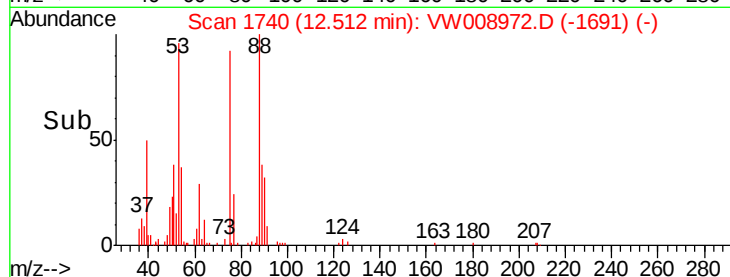
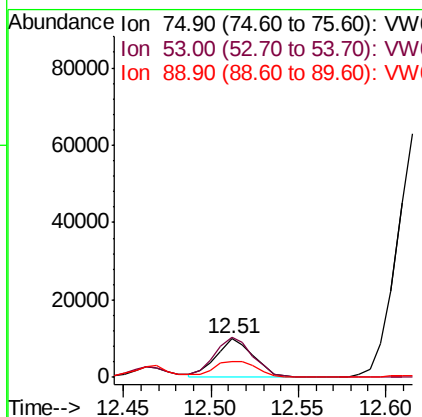
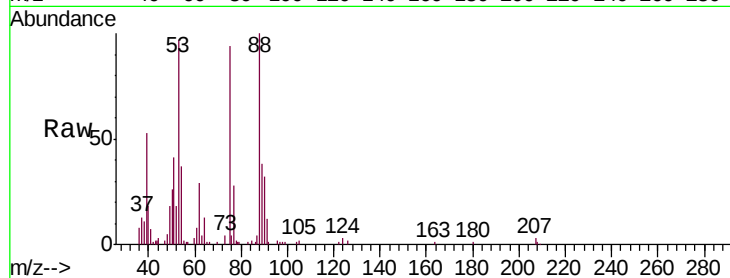
#81
trans-1,4-Dichloro-2-butene
Concen: 21.042 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	108.9	88.2	132.2
89	45.8	39.5	59.3

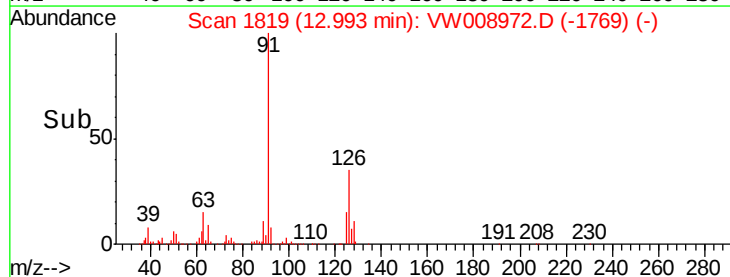
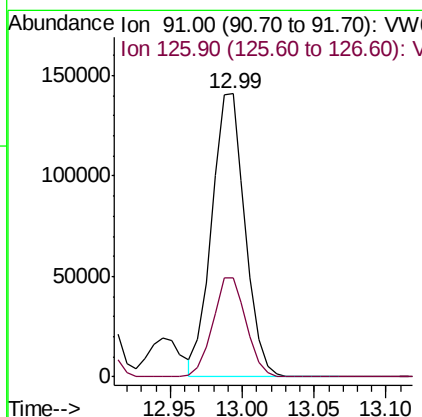
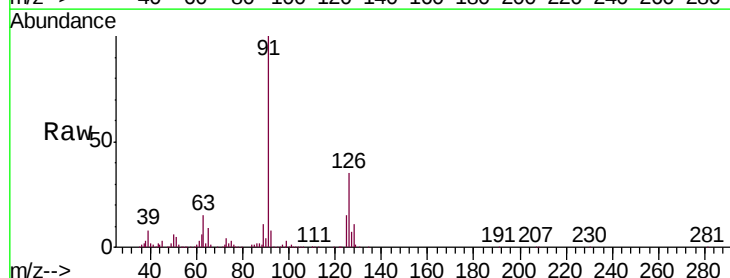
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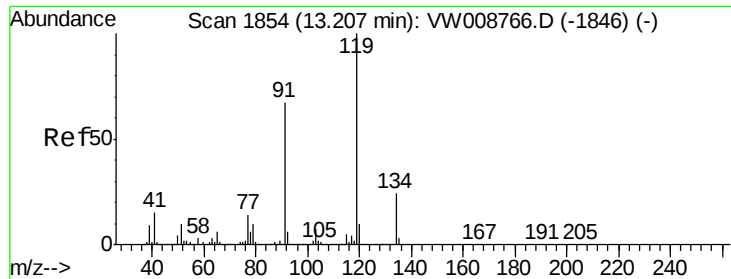
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3/8/2019 10:54:04 AM



#82
4-Chlorotoluene
Concen: 21.713 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.2	51.6





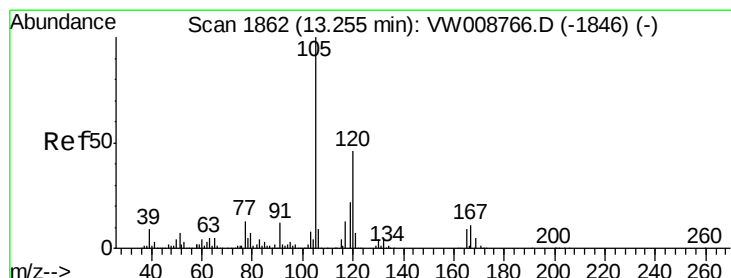
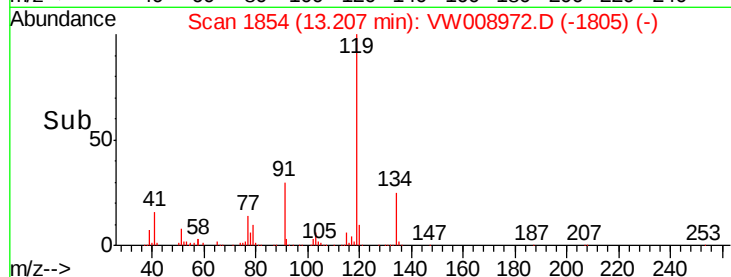
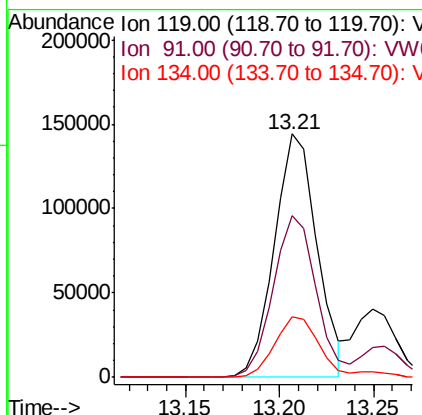
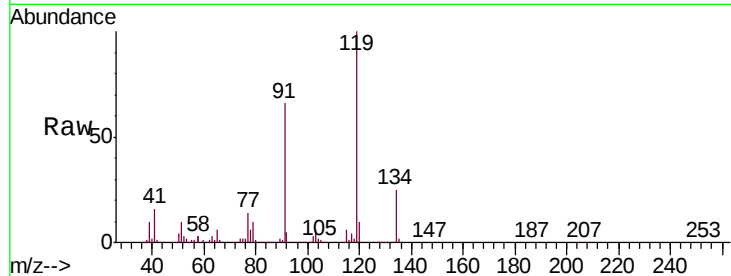
#83
 tert-Butylbenzene
 Concen: 21.148 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	226690		
91	67.4	33.6	100.8	
134	27.6	13.7	41.1	

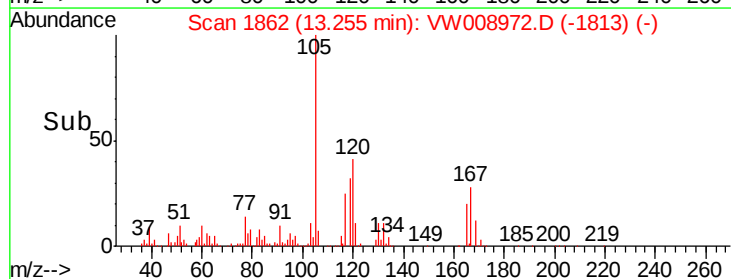
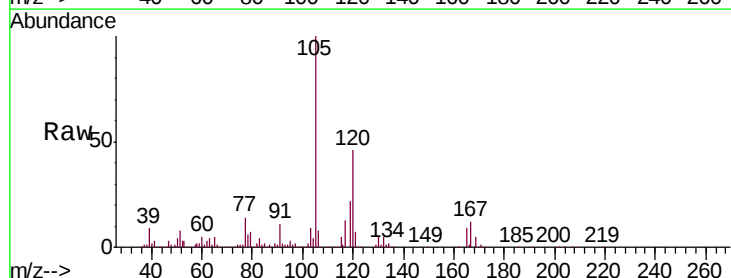
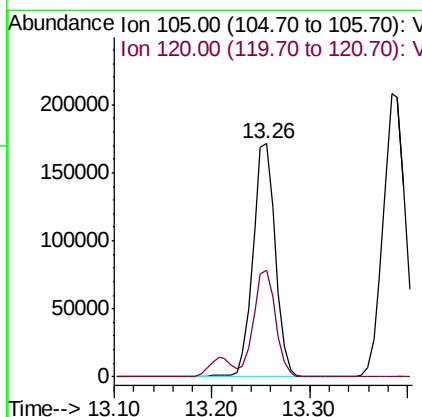
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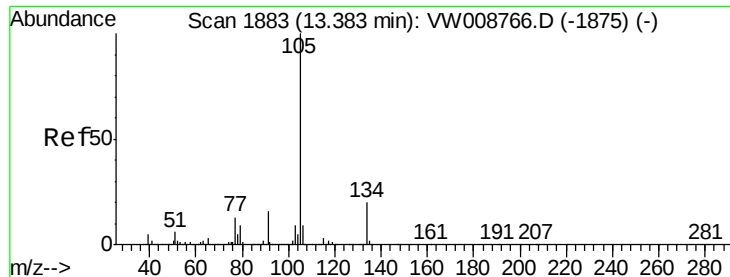
MMDadoda
 3/8/2019 10:54:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.123 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	271069		
120	45.3	22.8	68.4	





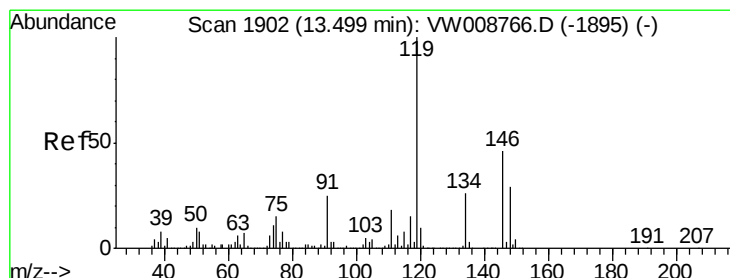
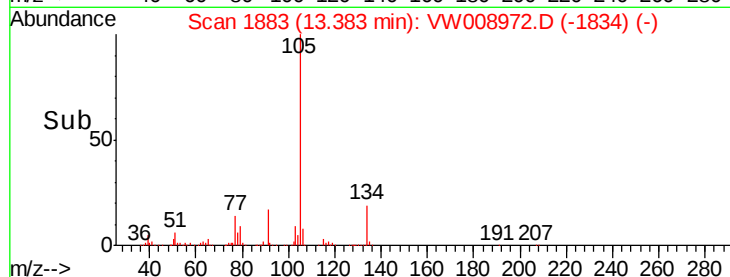
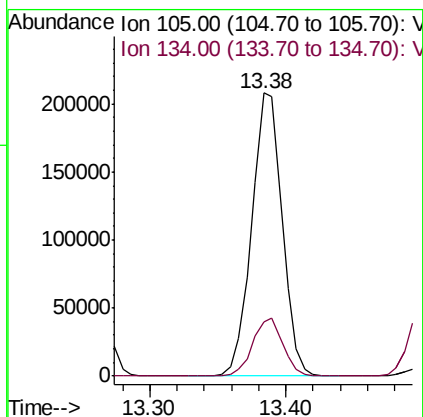
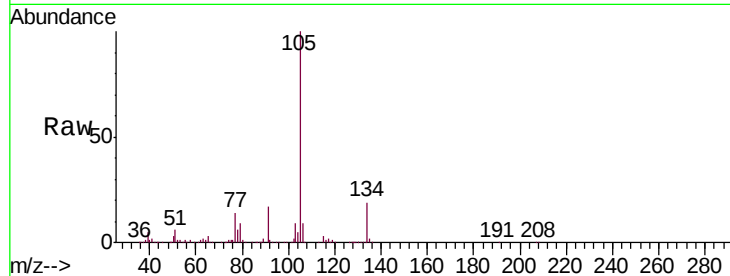
#85
 sec-Butylbenzene
 Concen: 21.248 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.4	31.1

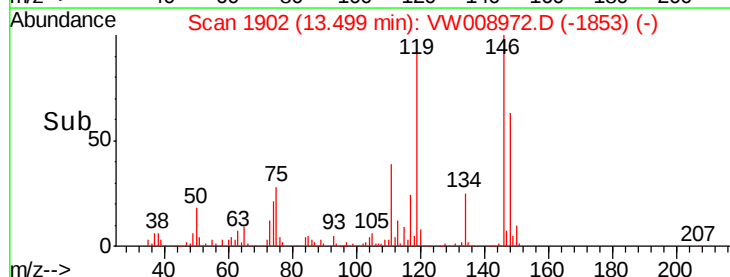
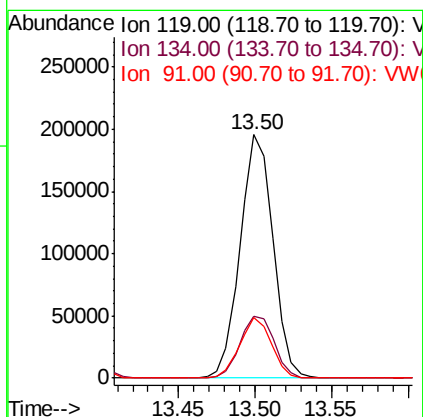
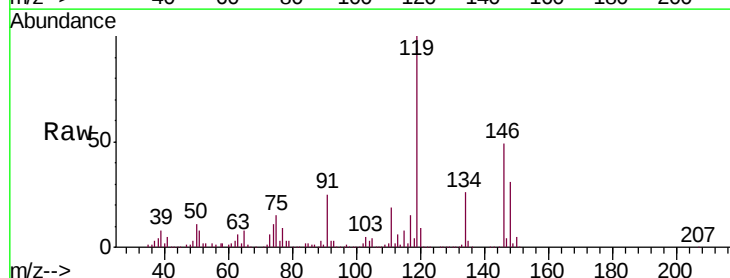
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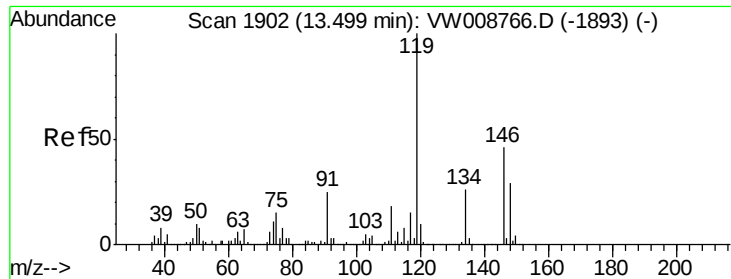
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#86
 p-Isopropyltoluene
 Concen: 20.598 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.1	39.3
91	24.0	12.1	36.3





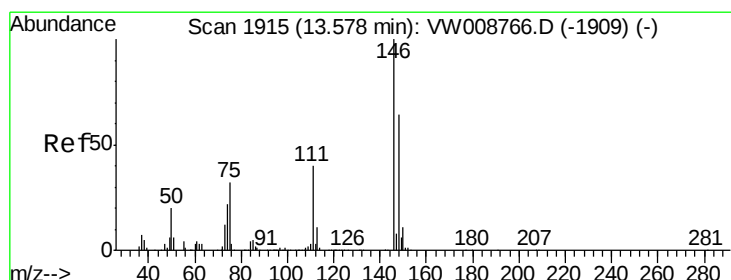
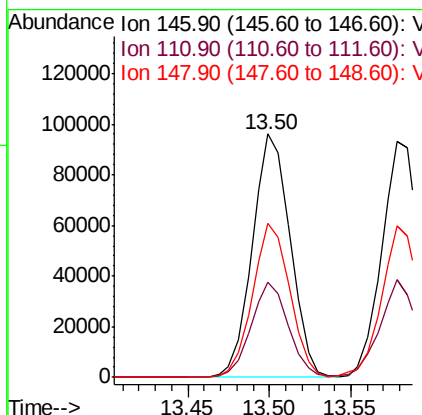
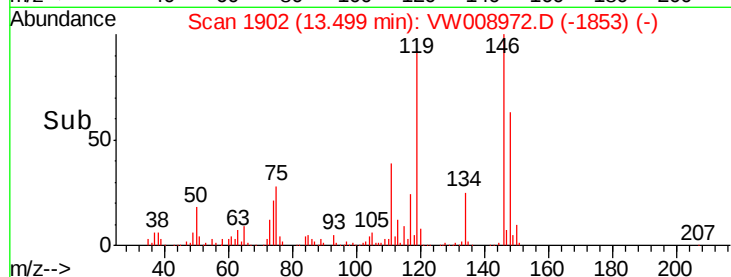
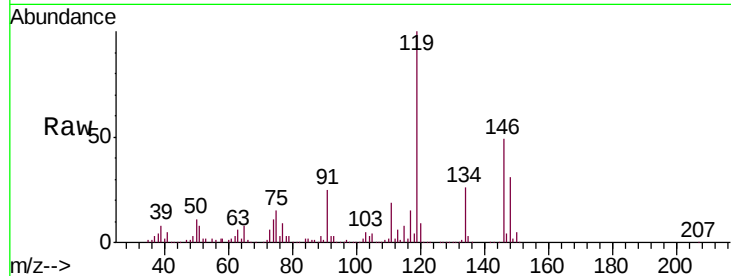
#87
 1,3-Dichlorobenzene
 Concen: 22.090 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.9	59.7
148	62.5	31.6	94.8

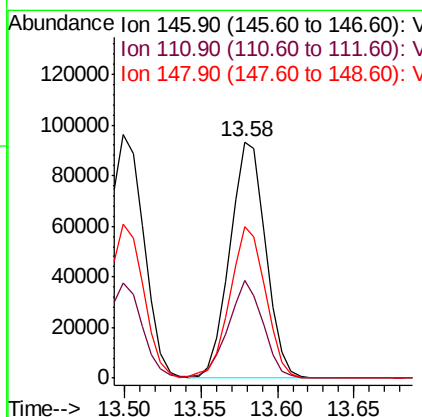
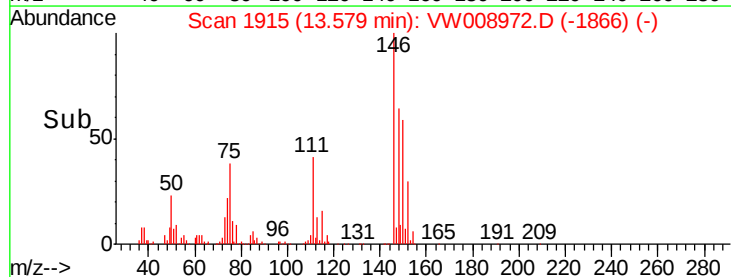
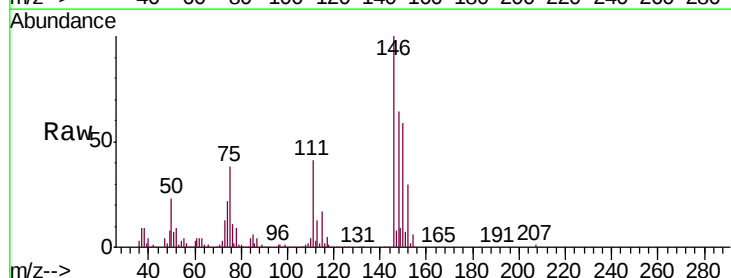
Manual Integrations
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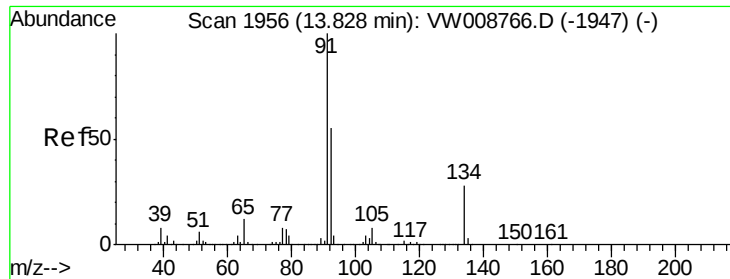
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#88
 1,4-Dichlorobenzene
 Concen: 21.917 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.3	57.9
148	64.0	31.9	95.9





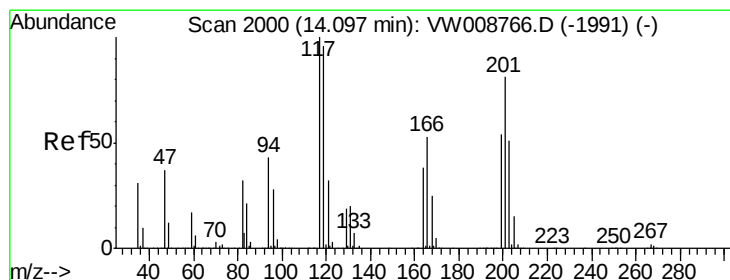
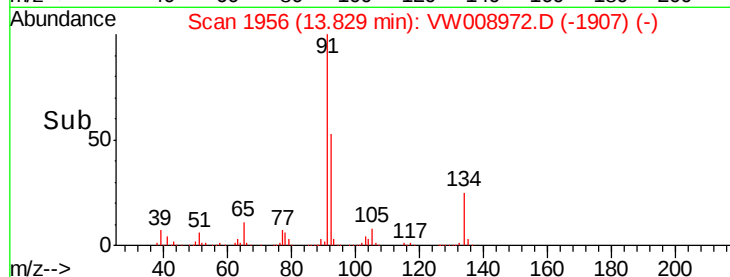
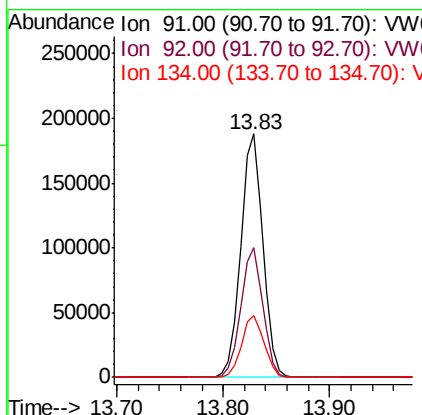
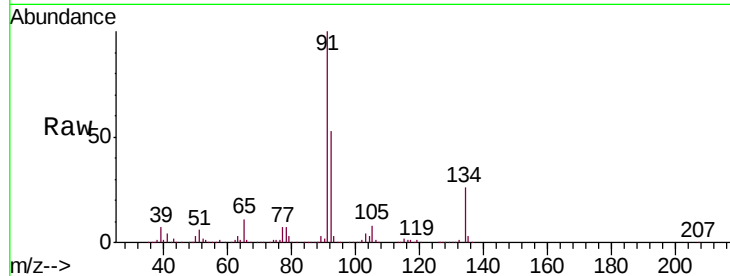
#89
n-Butylbenzene
Concen: 20.687 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	273846		
92	52.8		26.8	80.4
134	26.1		13.5	40.4

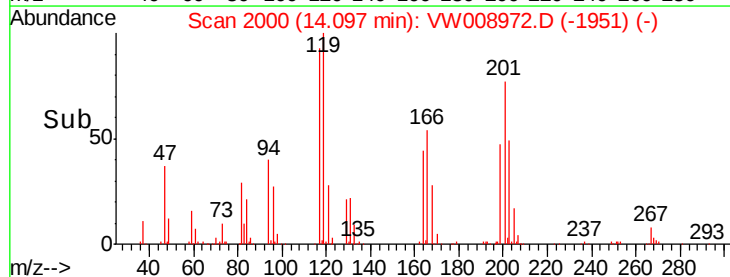
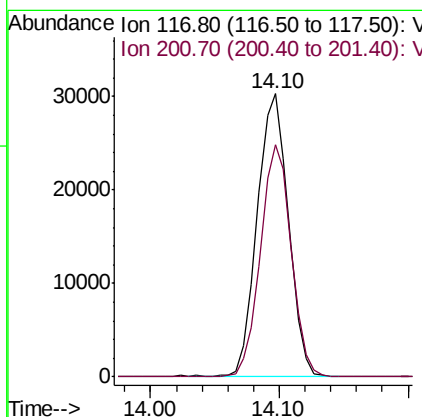
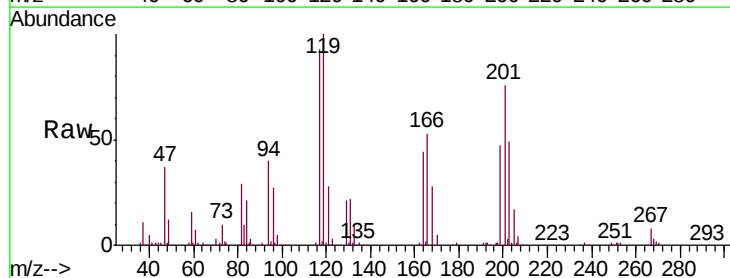
Manual Integrations
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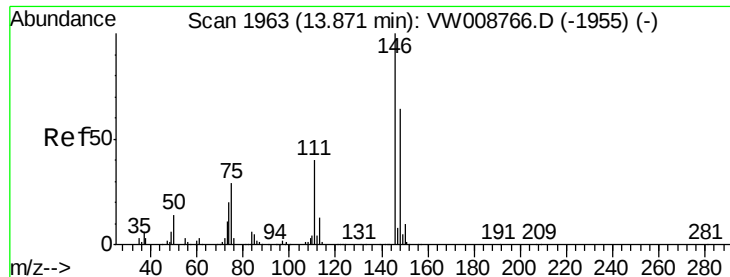
MMDadoda
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#90
Hexachloroethane
Concen: 21.931 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	50729		
201	80.7		40.3	120.8





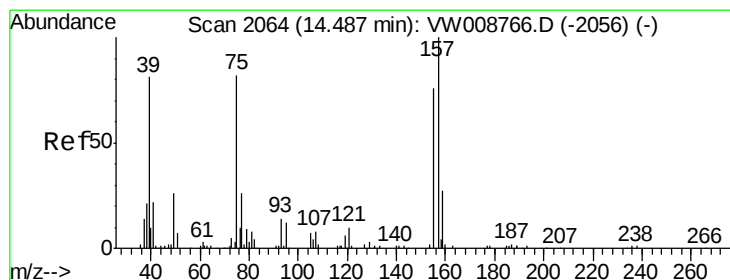
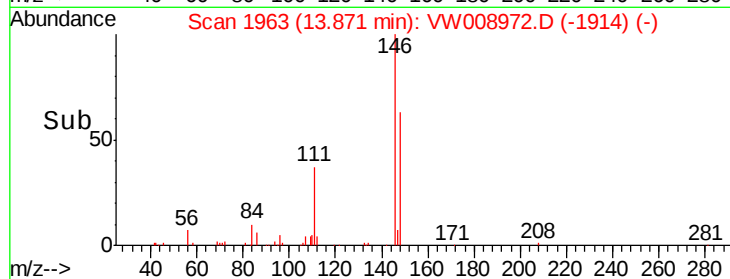
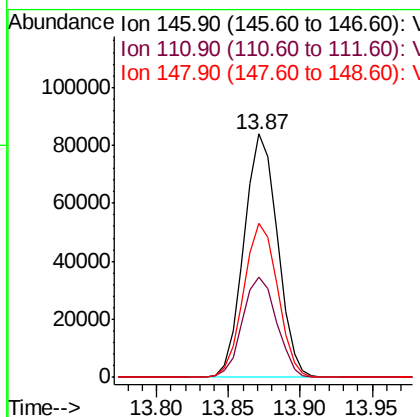
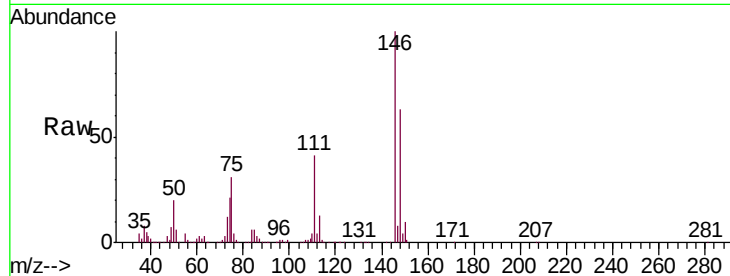
#91
 1,2-Dichlorobenzene
 Concen: 21.720 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	60.8
148	64.1	32.5	97.5

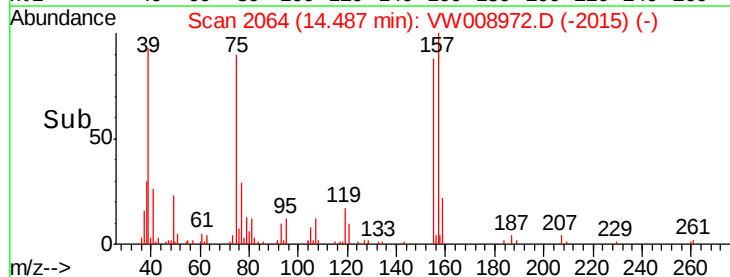
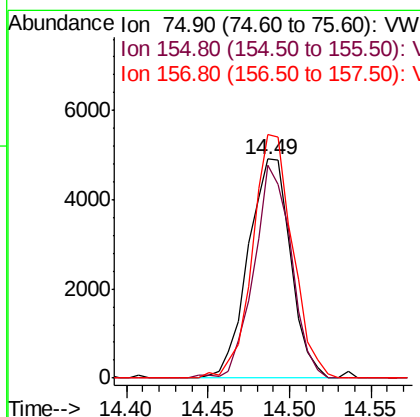
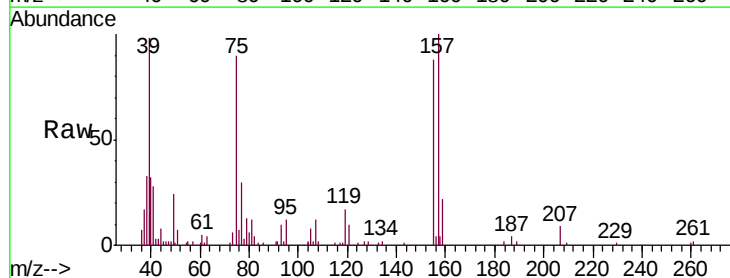
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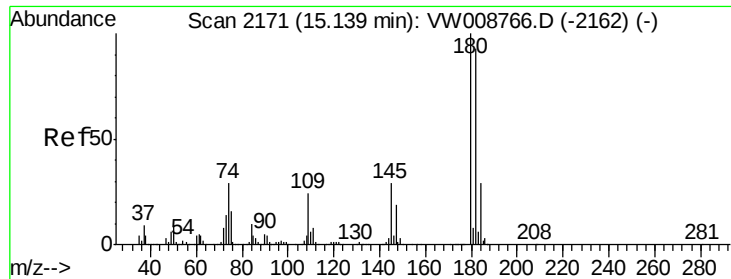
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.074 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	41.8	125.4
157	104.8	56.6	169.9





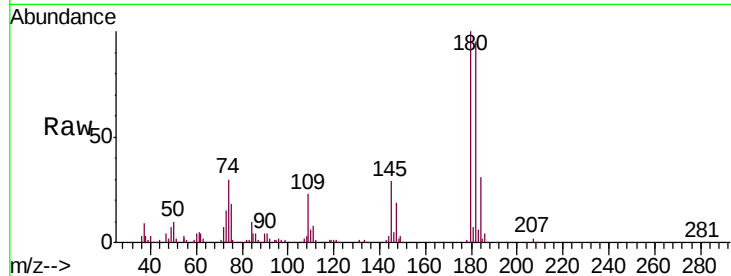
#93
 1,2,4-Trichlorobenzene
 Concen: 20.507 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0305SBS01

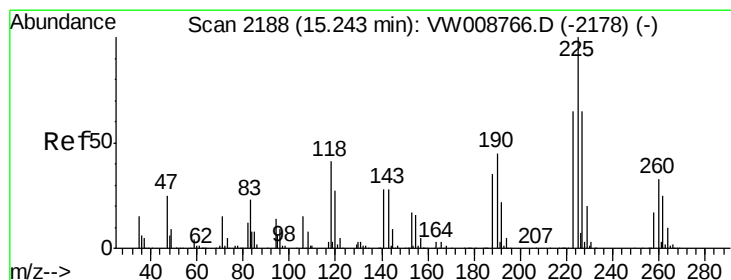
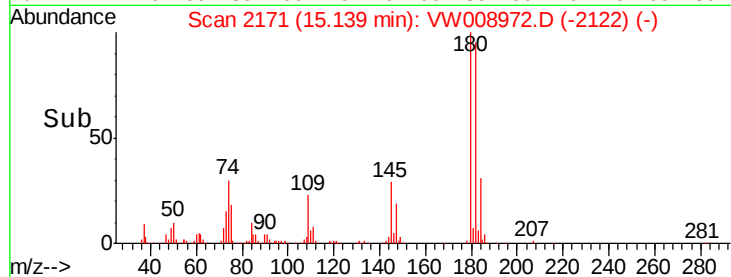
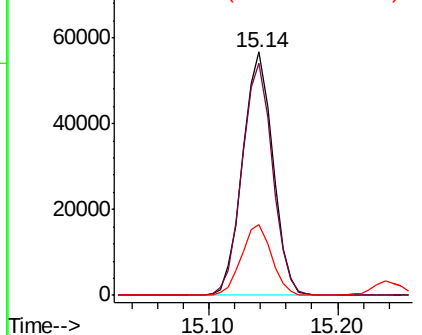
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92082		
182	95.8	47.2	141.6	
145	29.0	14.4	43.0	

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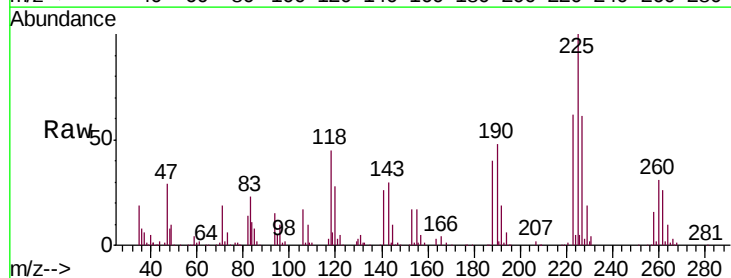


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

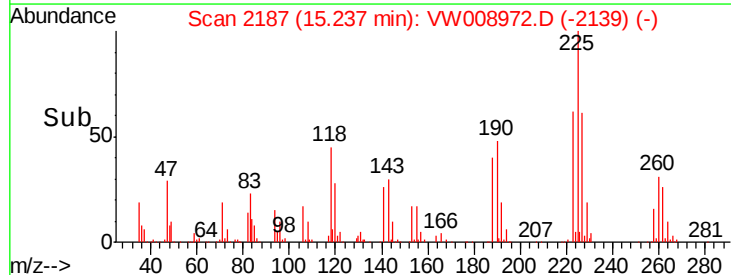
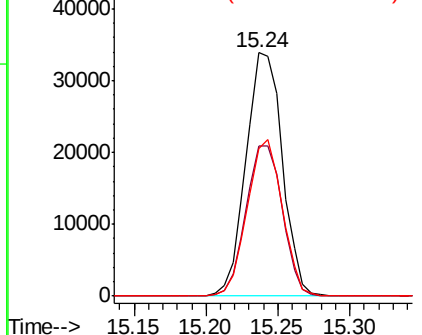


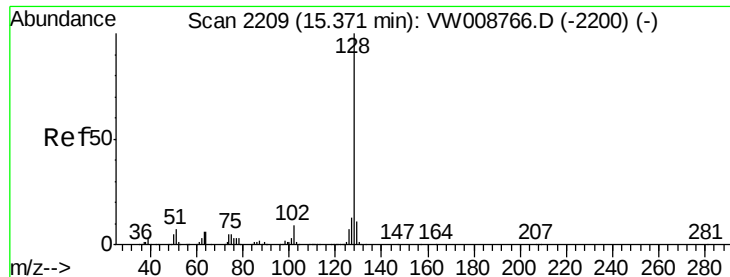
#94
 Hexachlorobutadiene
 Concen: 22.349 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008972.D
 Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59111		
223	62.3	31.5	94.5	
227	62.1	31.6	94.8	



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





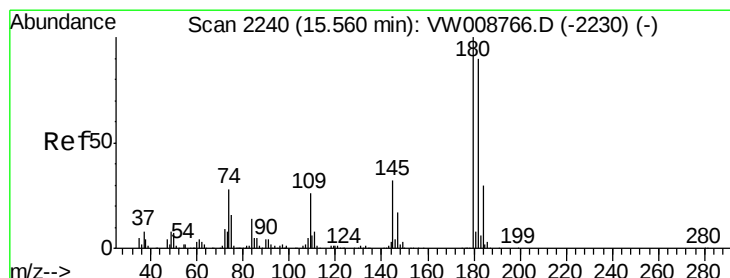
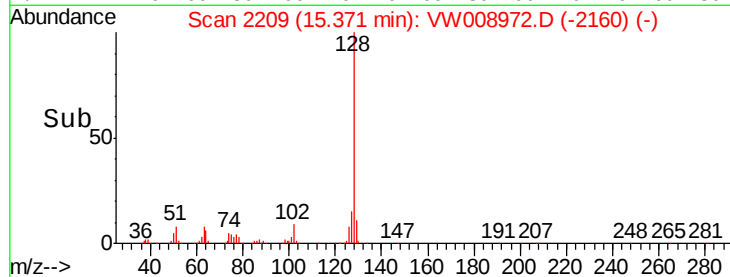
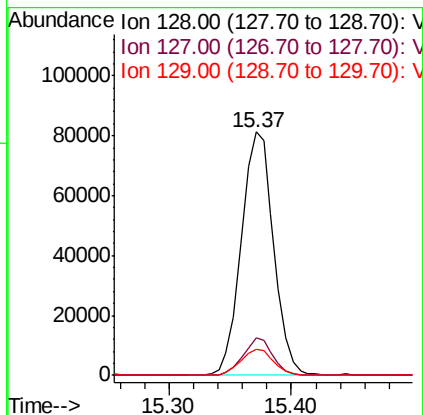
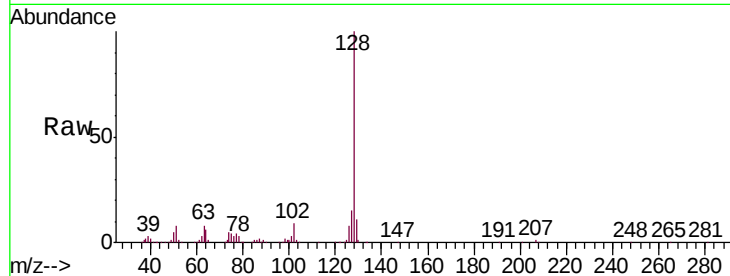
#95
Naphthalene
Concen: 19.390 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Instrument :
MSVOA_W
ClientSampleId :
VW0305SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	148244		
127	14.4	10.8	16.2	
129	10.9	8.7	13.1	

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#96
1,2,3-Trichlorobenzene
Concen: 20.630 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008972.D
Acq: 04 Mar 2019 21:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	80093		
182	97.9	46.9	140.8	
145	31.9	15.9	47.6	

