

Data Path : C:\DOCUMENTS AND SETTINGS\EUSER\DESKTOP\VW030819\
 Data File : VW009075.D
 Acq On : 09 Mar 2019 00:24
 Operator : SY/VA
 Sample : K1785-14MSD
 Misc : 6.71G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MSD

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 2:53:40 PM

Quant Time: Mar 09 04:58:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	98878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	134429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	126678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63102	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	40747	40.96	ug/l	0.00
Spiked Amount			Recovery	=	81.92%	
35) Dibromofluoromethane	7.88	113	35561	43.94	ug/l	0.00
Spiked Amount			Recovery	=	87.88%	
50) Toluene-d8	10.32	98	158267	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.62	95	55530	42.43	ug/l	0.00
Spiked Amount			Recovery	=	84.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	43981	44.136	ug/l	99
3) Chloromethane	2.21	50	54087	42.726	ug/l	99
4) Vinyl Chloride	2.36	62	58926	45.868	ug/l	98
5) Bromomethane	2.77	94	48230	44.475	ug/l	98
6) Chloroethane	2.92	64	41614	45.501	ug/l	97
7) Trichlorofluoromethane	3.26	101	78812	47.646	ug/l	91
8) Diethyl Ether	3.69	74	20344	40.224	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47546	46.152	ug/l	99
10) Methyl Iodide	4.28	142	23024	22.477	ug/l	98
11) Tert butyl alcohol	5.17	59	15673	205.595	ug/l #	92
12) 1,1-Dichloroethene	4.04	96	41085	46.233	ug/l	91
13) Acrolein	3.89	56	5437	64.814	ug/l #	80
14) Allyl chloride	4.67	41	67100	42.806	ug/l	100
15) Acrylonitrile	5.37	53	46248	209.510	ug/l	98
16) Acetone	4.12	43	38476	171.395	ug/l	97
17) Carbon Disulfide	4.38	76	128821	43.085	ug/l	95
18) Methyl Acetate	4.67	43	57266	110.935	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	94025	39.998	ug/l	94
20) Methylene Chloride	4.92	84	46358	43.156	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	46675	45.488	ug/l	93
22) Diisopropyl ether	6.31	45	132262	42.458	ug/l	98
23) Vinyl Acetate	6.26	43	89389	46.112	ug/l	99
24) 1,1-Dichloroethane	6.21	63	80428	44.513	ug/l	99
25) 2-Butanone	7.17	43	58944	189.991	ug/l	100
26) 2,2-Dichloropropane	7.17	77	68868	41.932	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	47025	42.672	ug/l	99
28) Bromochloromethane	7.51	49	34199	45.505	ug/l	98
29) Tetrahydrofuran	7.53	42	41566	212.604	ug/l	97
30) Chloroform	7.68	83	82890	44.560	ug/l	96
31) Cyclohexane	7.95	56	72615	39.141	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	81780	47.638	ug/l	99
36) 1,1-Dichloropropene	8.08	75	69123	49.176	ug/l	98
37) Ethyl Acetate	7.25	43	18233	27.616	ug/l #	89
38) Carbon Tetrachloride	8.07	117	73461	50.606	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	73111	43.669	ug/l	97
40) Benzene	8.32	78	187099	49.864	ug/l	100
41) Methacrylonitrile	7.48	41	13098	35.725	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	55031	45.429	ug/l	100
43) Isopropyl Acetate	8.43	43	41769	33.968	ug/l	94
44) Trichloroethene	9.09	130	51521	48.990	ug/l	91
45) 1,2-Dichloropropane	9.37	63	44471	47.321	ug/l	96
46) Dibromomethane	9.46	93	23840	46.450	ug/l	100
47) Bromodichloromethane	9.65	83	59790	46.020	ug/l	99
48) Methyl methacrylate	9.43	41	29706	51.881	ug/l	92
49) 1,4-Dioxane	9.44	88	8240	1121.162	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	149554	239.569	ug/l	100
52) Toluene	10.38	92	123833	48.663	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	54843	42.681	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	62207	42.128	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33159	47.667	ug/l	96
56) Ethyl methacrylate	10.65	69	29191	33.811	ug/l	97
57) 1,3-Dichloropropane	10.93	76	56792	46.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	111519	249.167	ug/l	99
59) 2-Hexanone	10.97	43	98707	224.892	ug/l	98
60) Dibromochloromethane	11.13	129	39681	46.093	ug/l	97
61) 1,2-Dibromoethane	11.24	107	32444	47.575	ug/l	100
64) Tetrachloroethene	10.86	164	50349	55.114	ug/l	96
65) Chlorobenzene	11.66	112	131675	47.755	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45809	49.757	ug/l	99
67) Ethyl Benzene	11.73	91	232087	46.593	ug/l	99
68) m/p-Xylenes	11.84	106	182097	92.616	ug/l	98
69) o-Xylene	12.17	106	83103	45.426	ug/l	98
70) Styrene	12.18	104	128813	43.519	ug/l	99
71) Bromoform	12.35	173	23178	46.887	ug/l #	100
73) Isopropylbenzene	12.46	105	234758	51.951	ug/l	99
74) N-amyl acetate	12.27	43	27113	25.345	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	40287	56.519	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27904m	55.969	ug/l	
77) Bromobenzene	12.75	156	54916	53.188	ug/l	96
78) n-propylbenzene	12.80	91	274427	49.304	ug/l	99
79) 2-Chlorotoluene	12.90	91	153807	49.183	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	180861	46.432	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10420	46.748	ug/l	99
82) 4-Chlorotoluene	12.99	91	158545	47.560	ug/l	97
83) tert-Butylbenzene	13.21	119	161373	49.123	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	184087	46.719	ug/l	99
85) sec-Butylbenzene	13.39	105	231492	47.561	ug/l	100
86) p-Isopropyltoluene	13.50	119	194763	44.730	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102892	47.419	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	100028	46.647	ug/l	98
89) n-Butylbenzene	13.83	91	171257	41.373	ug/l	99
90) Hexachloroethane	14.10	117	36800	49.004	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	91755	47.928	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7126	56.130	ug/l	92

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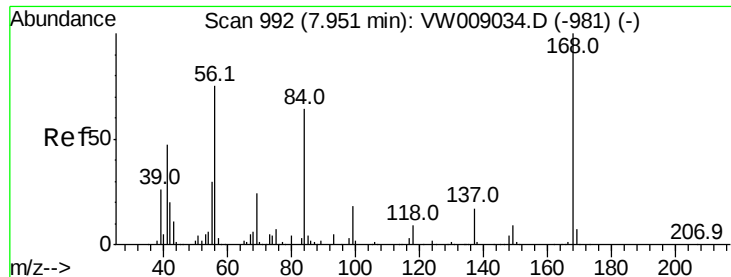
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	48322	37.375	ug/l	98
94) Hexachlorobutadiene	15.24	225	30487	37.646	ug/l	98
95) Naphthalene	15.37	128	82420	38.943	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	42683	37.544	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion:168 Resp: 98878

Ion Ratio Lower Upper

168 100

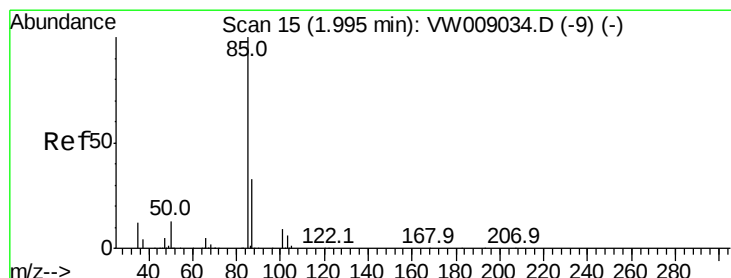
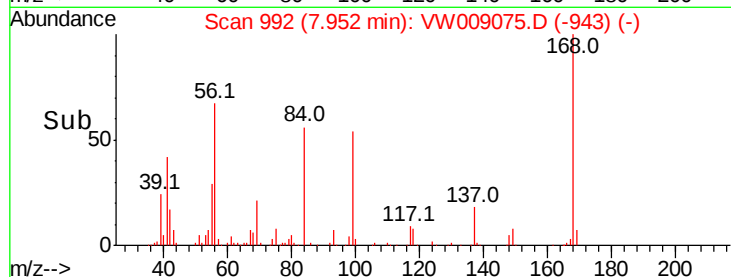
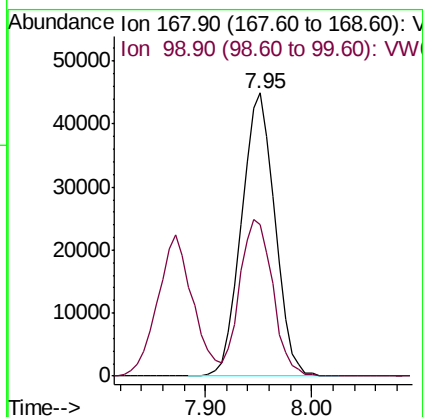
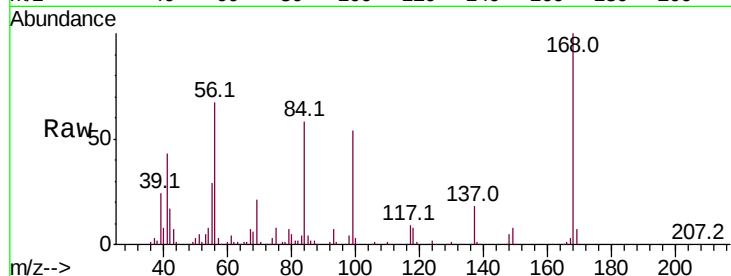
99 53.7 42.2 63.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 44.136 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009075.D

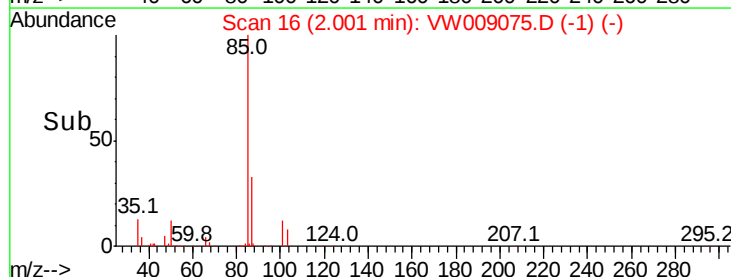
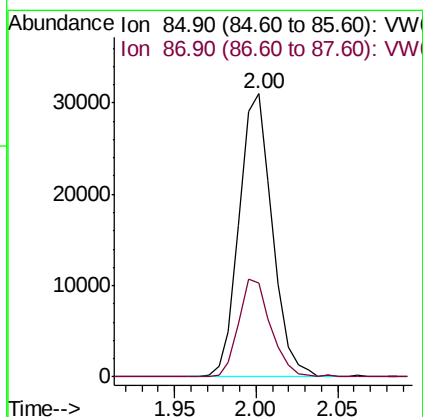
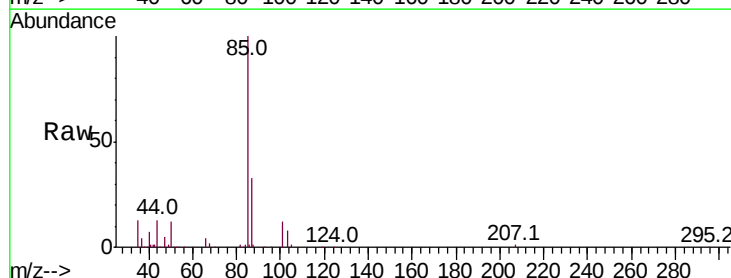
Acq: 09 Mar 2019 00:24

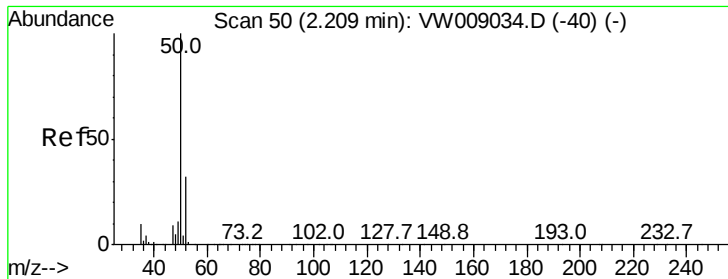
Tgt Ion: 85 Resp: 43981

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.9





#3

Chloromethane

Concen: 42.726 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion: 50 Resp: 54087

Ion Ratio Lower Upper

50 100

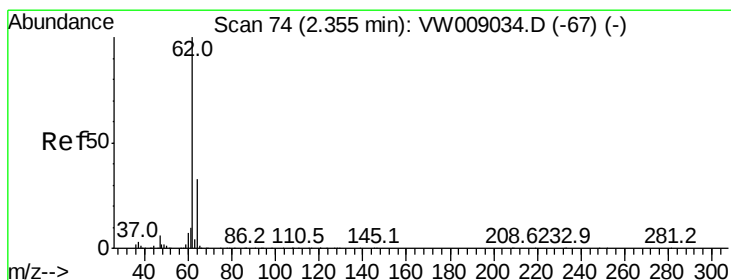
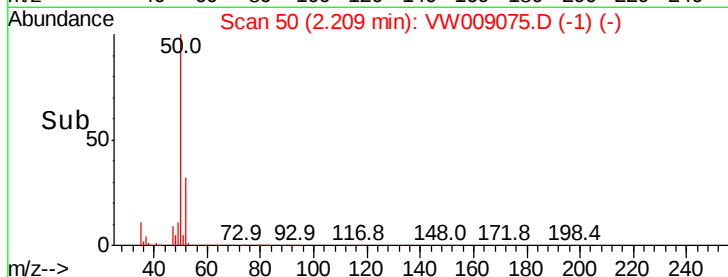
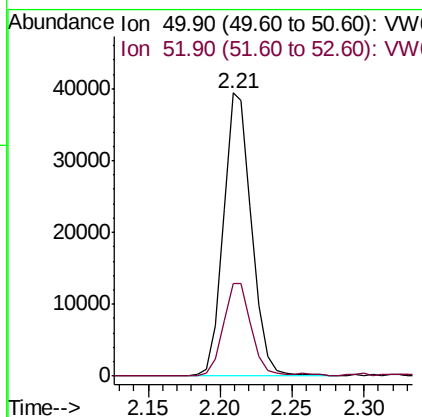
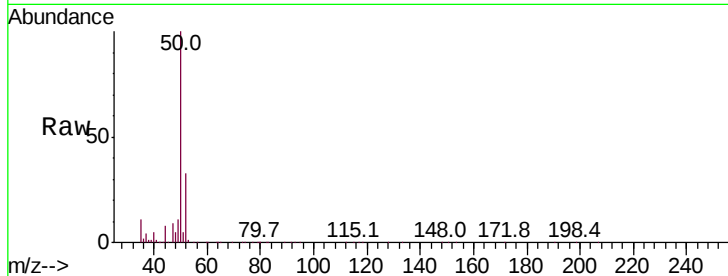
52 32.4 25.4 38.2

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#4

Vinyl Chloride

Concen: 45.868 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009075.D

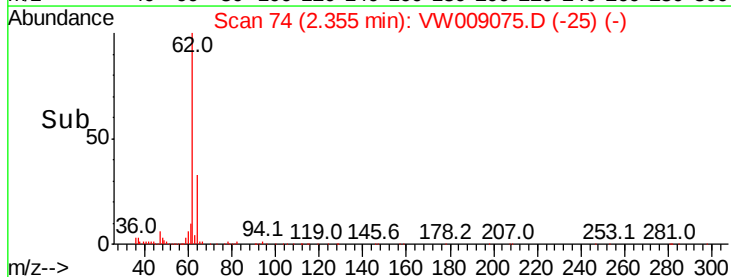
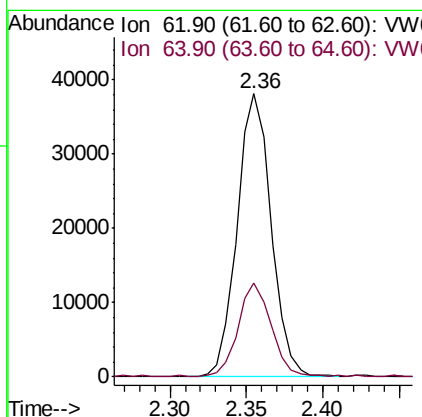
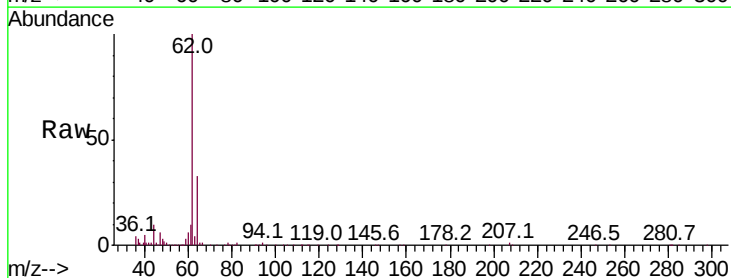
Acq: 09 Mar 2019 00:24

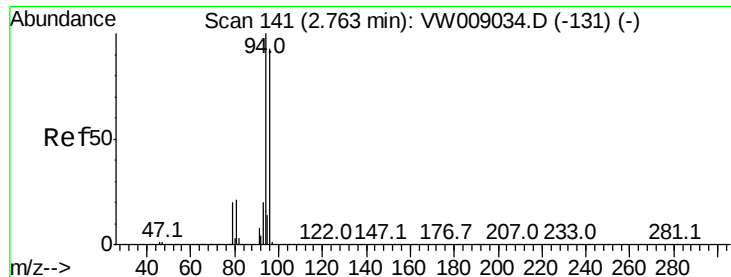
Tgt Ion: 62 Resp: 58926

Ion Ratio Lower Upper

62 100

64 33.4 26.0 39.0





#5

Bromomethane

Concen: 44.475 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

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ClientSampleId :

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Tot Ion: 94 Resp: 48230

Ion Ratio Lower Upper

94 100

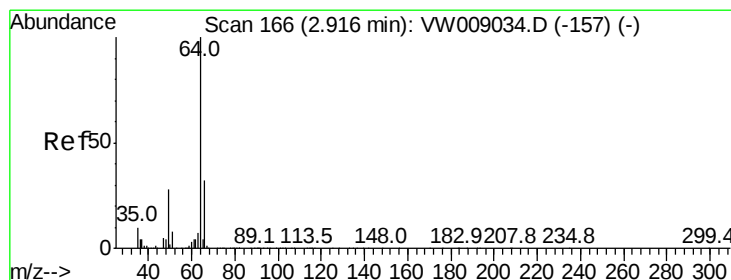
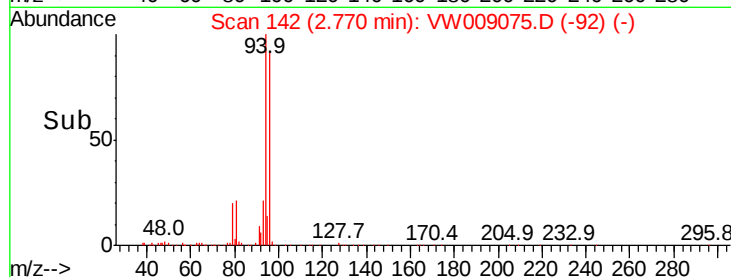
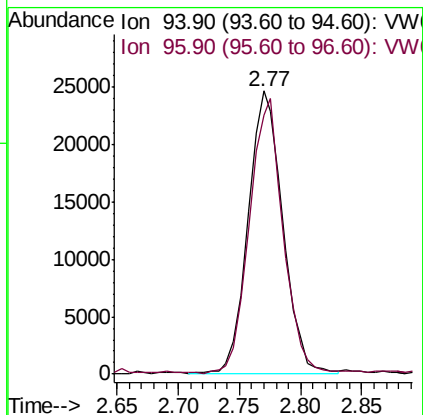
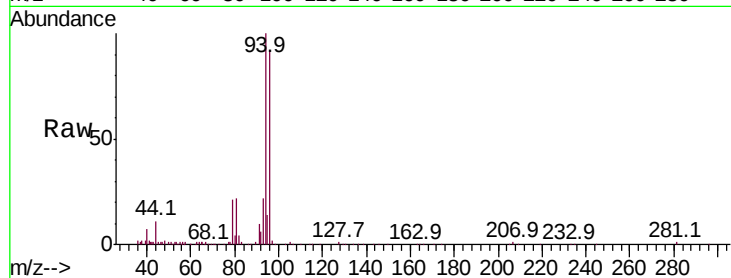
96 91.4 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 45.501 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009075.D

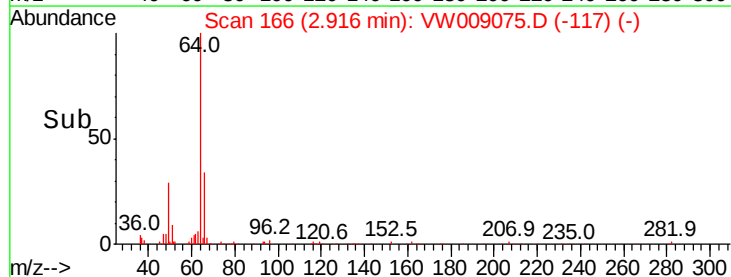
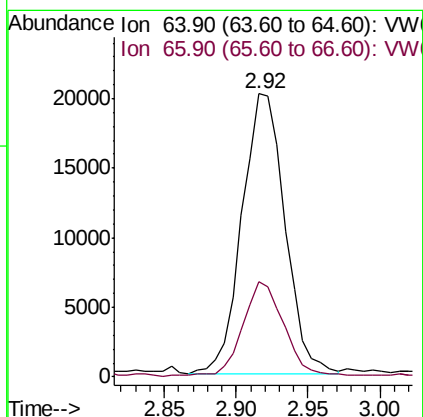
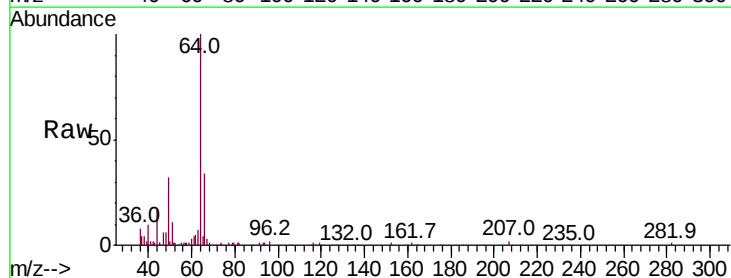
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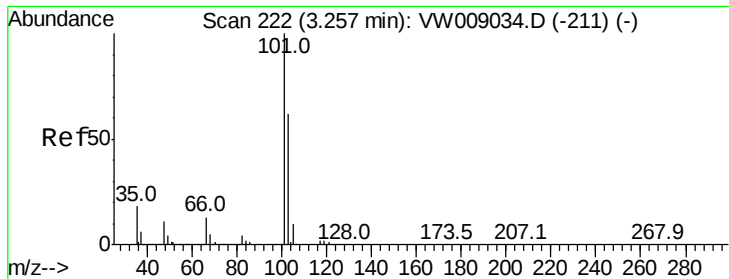
Tgt Ion: 64 Resp: 41614

Ion Ratio Lower Upper

64 100

66 33.7 25.5 38.3





#7

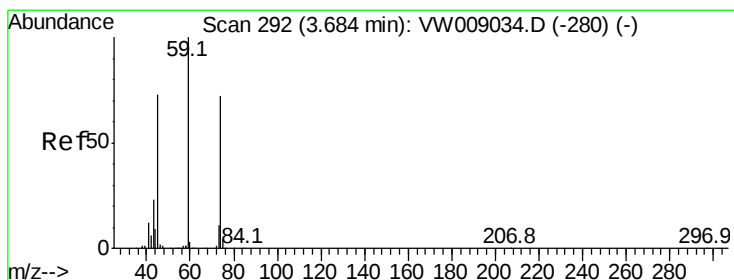
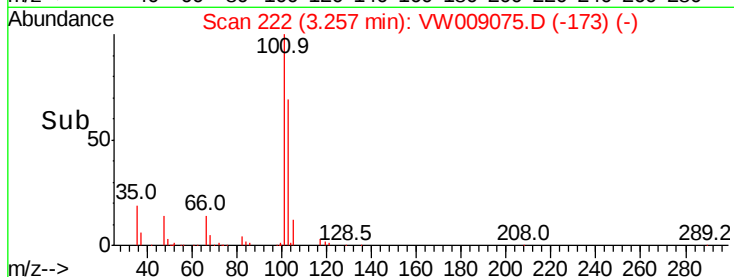
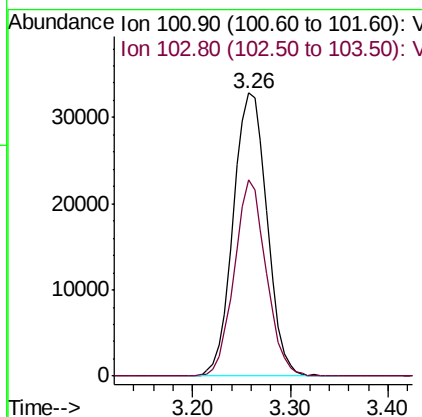
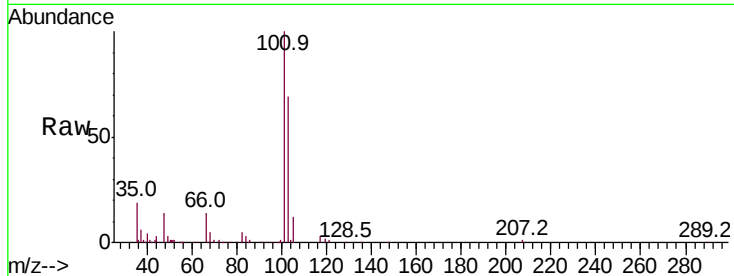
Trichlorofluoromethane
 Concen: 47.646 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.3	49.9	74.9

Manual Integrations
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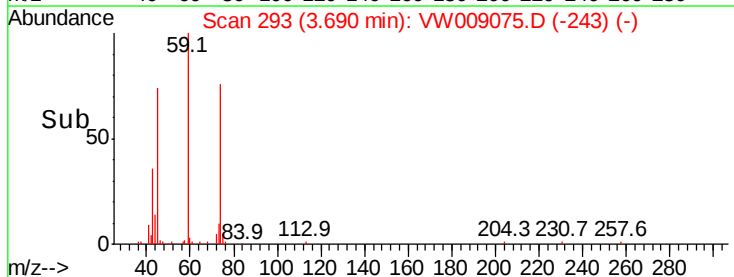
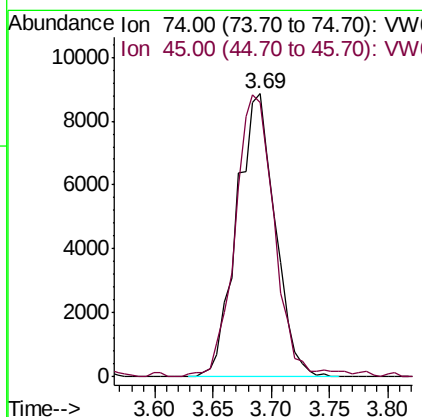
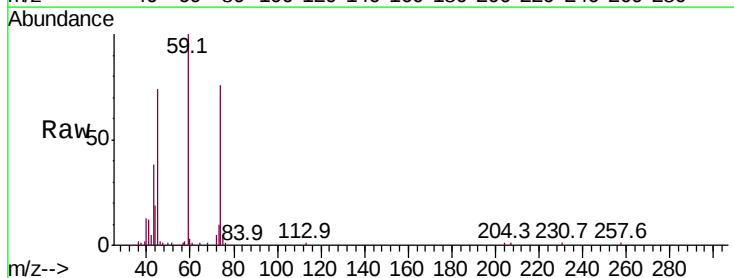
MMDadoda
 3/11/2019 2:53:40 PM

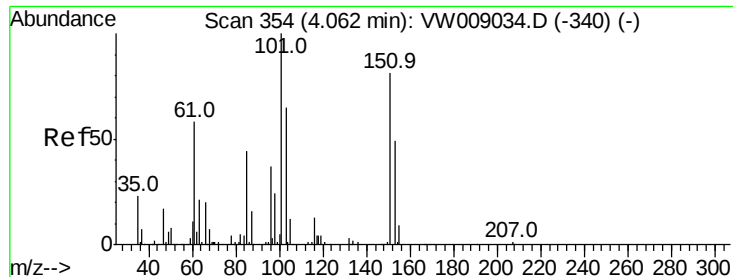


#8

Diethyl Ether
 Concen: 40.224 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.152 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

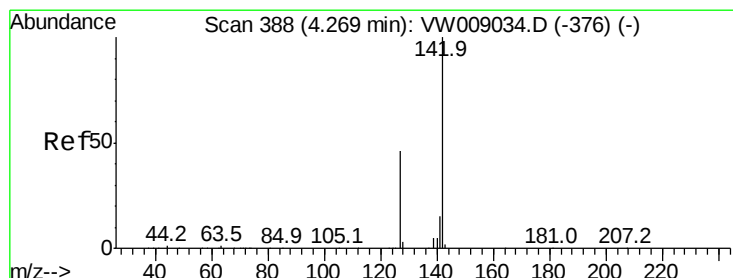
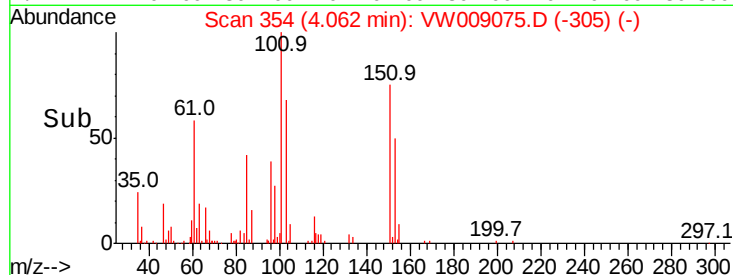
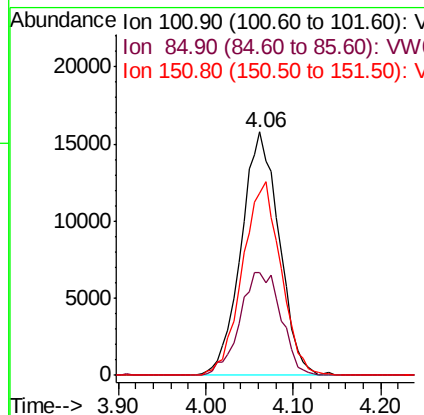
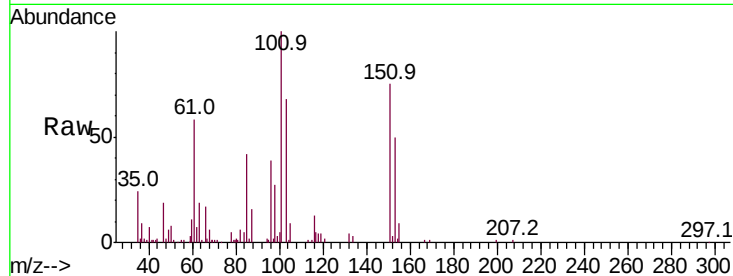
ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion:	101	Resp:	47546
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.2	54.4
151	80.2	63.4	95.2

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3/11/2019 2:53:40 PM



#10

Methyl Iodide

Concen: 22.477 ug/l

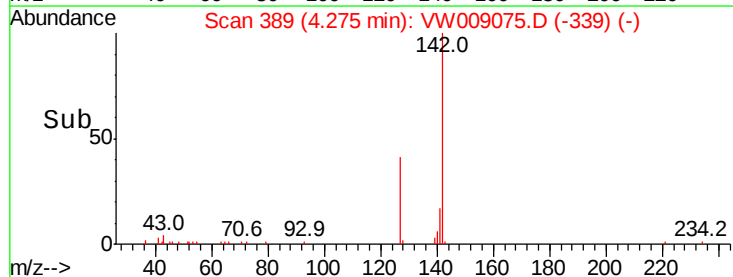
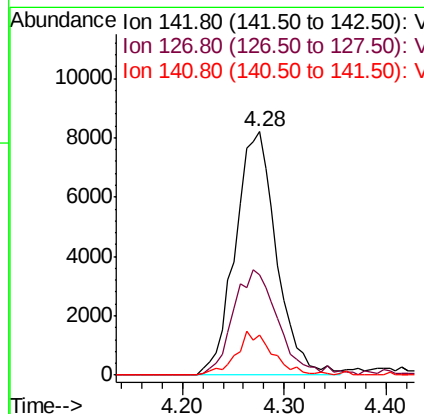
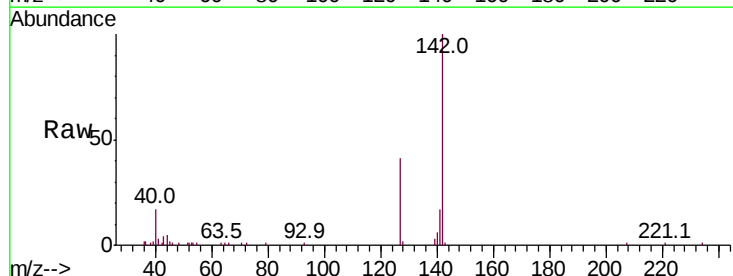
RT: 4.28 min Scan# 389

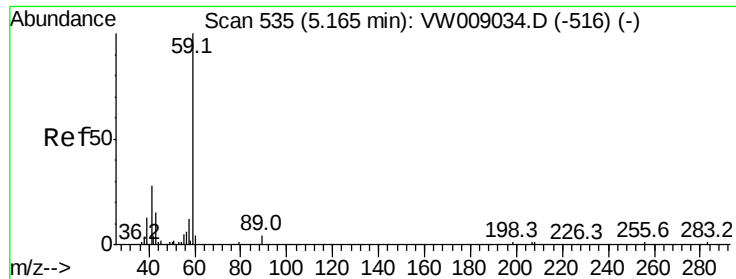
Delta R.T. 0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Tgt Ion:	142	Resp:	23024
Ion Ratio	Lower	Upper	
142	100		
127	46.0	35.8	53.6
141	15.7	11.8	17.8





#11

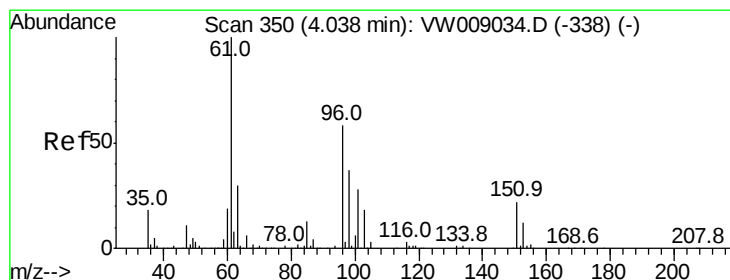
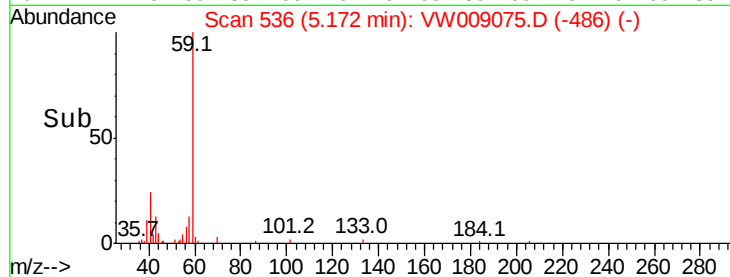
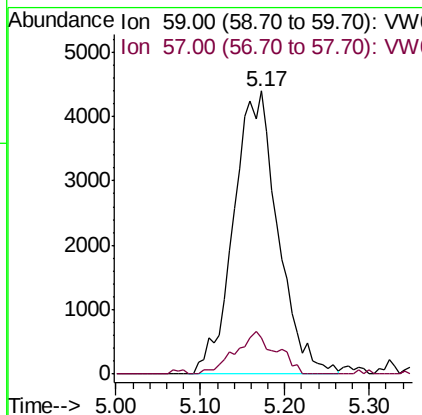
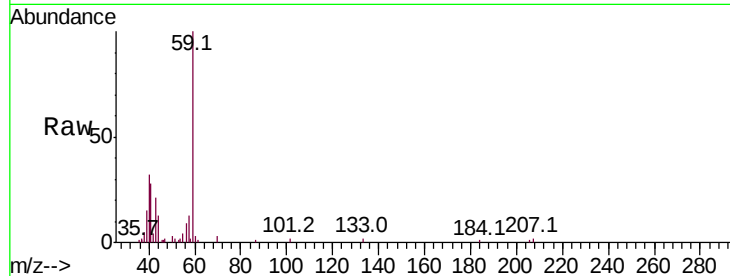
Tert butyl alcohol
 Concen: 205.595 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.9	8.6	12.8#

Manual Integrations
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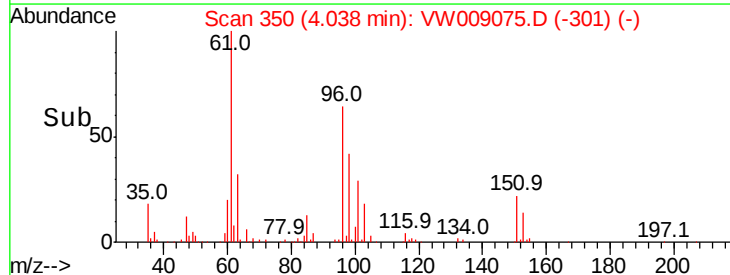
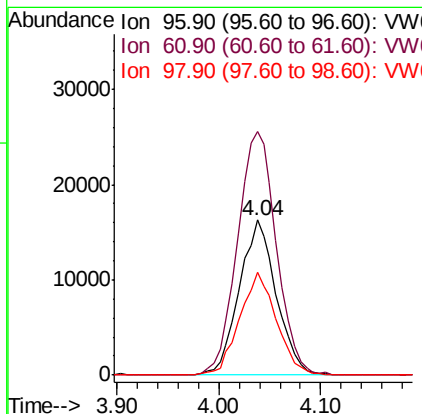
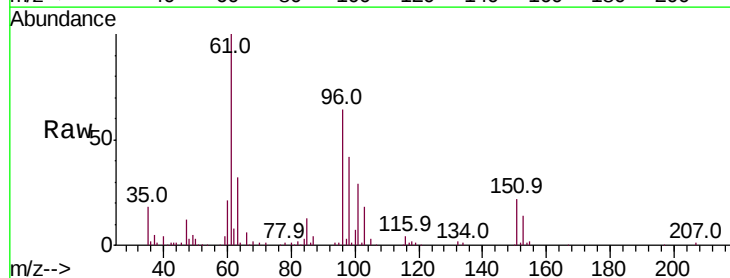
MMDadoda
 3/11/2019 2:53:40 PM

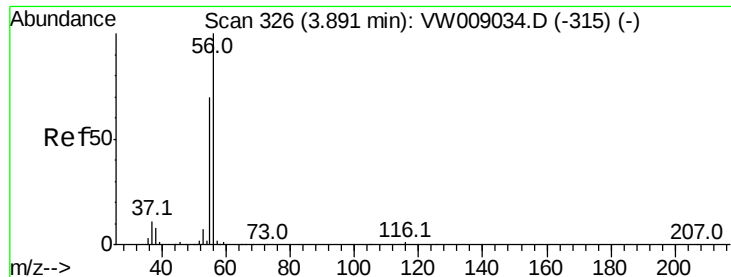


#12

1,1-Dichloroethene
 Concen: 46.233 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	138.2	207.2
98	66.1	51.3	76.9





#13

Acrolein

Concen: 64.814 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion: 56 Resp: 5437

Ion Ratio Lower Upper

56 100

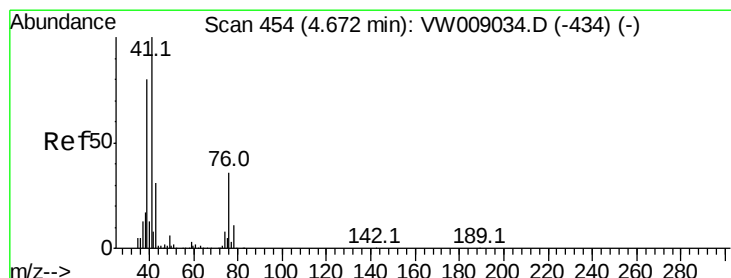
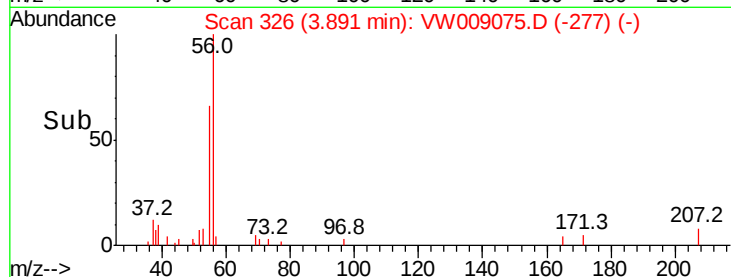
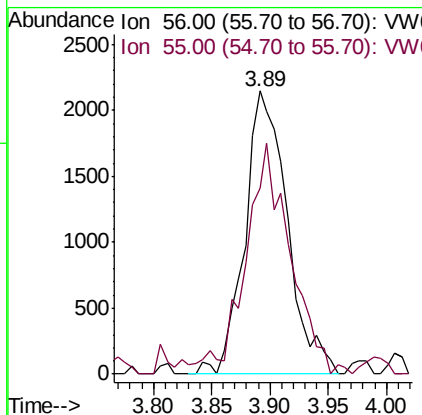
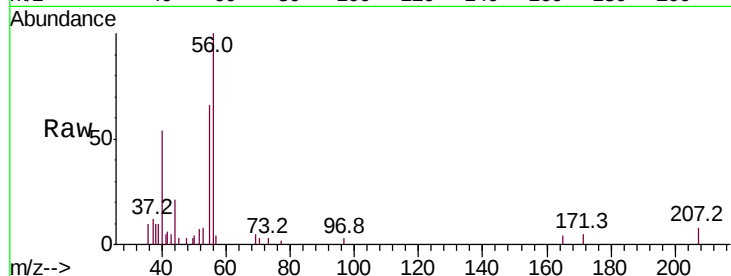
55 87.2 56.6 84.8#

Manual Integrations

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MMDadoda

3/11/2019 2:53:40 PM



#14

Allyl chloride

Concen: 42.806 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

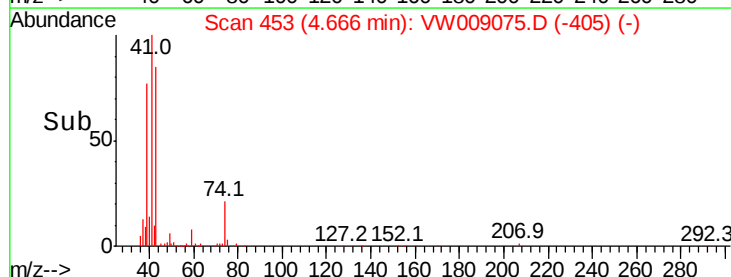
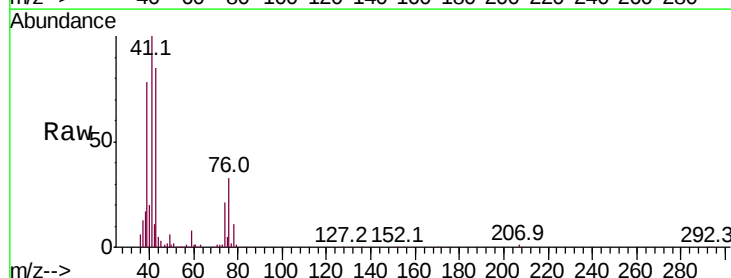
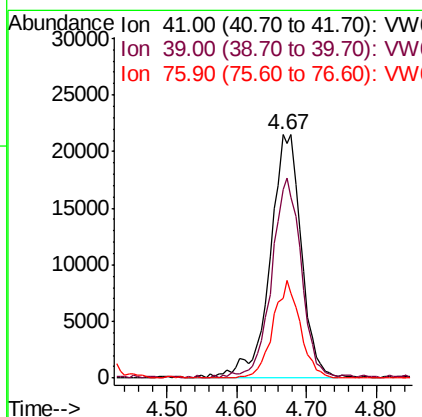
Tgt Ion: 41 Resp: 67100

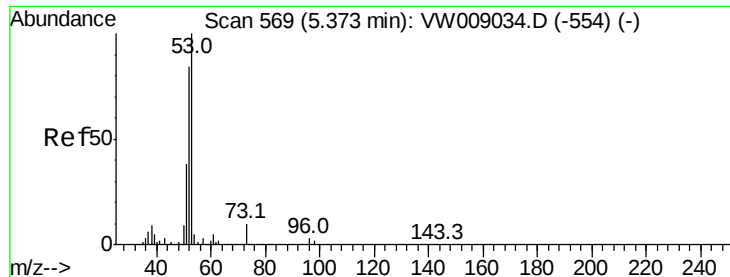
Ion Ratio Lower Upper

41 100

39 78.8 63.0 94.4

76 34.8 28.2 42.2





#15

Acrylonitrile

Concen: 209.510 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

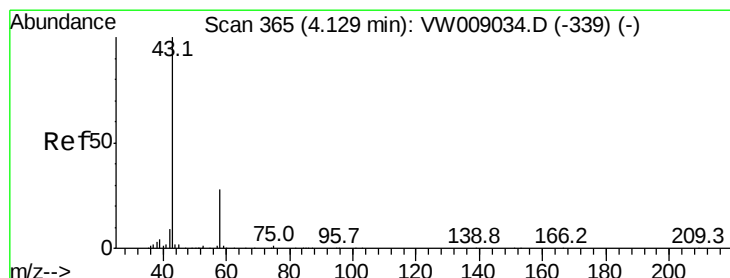
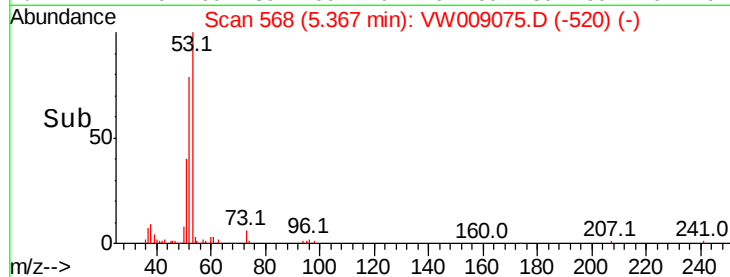
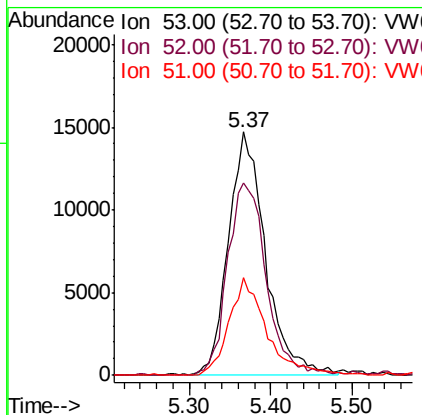
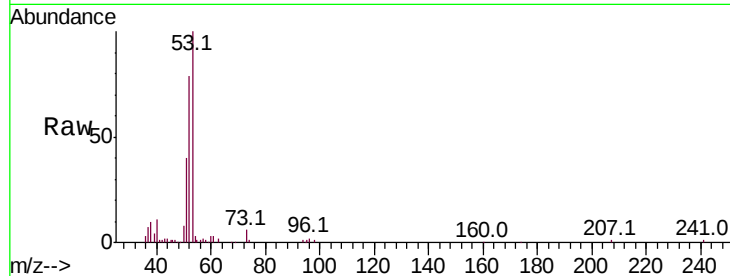
ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion:	53	Resp:	46248
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.2	100.8
51	40.6	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 171.395 ug/l

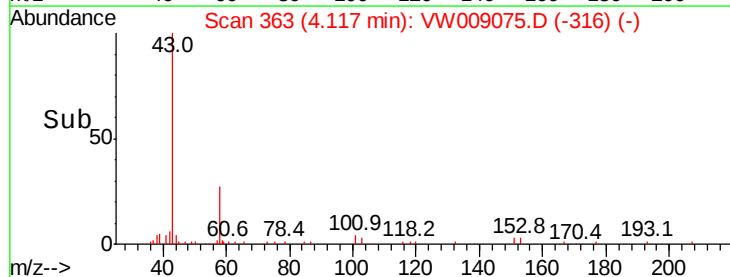
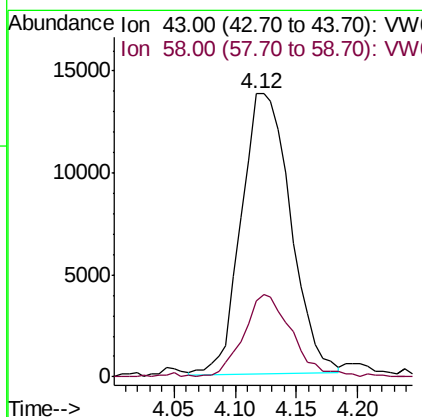
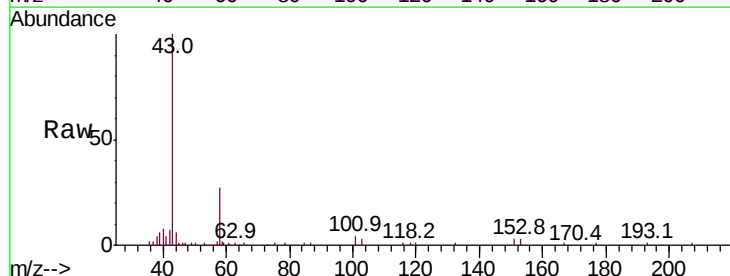
RT: 4.12 min Scan# 363

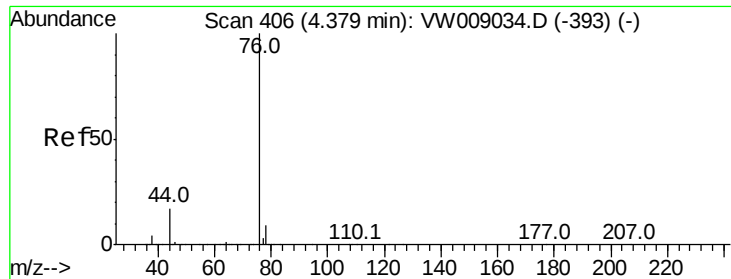
Delta R.T. -0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Tgt Ion:	43	Resp:	38476
Ion	Ratio	Lower	Upper
43	100		
58	26.5	22.5	33.7





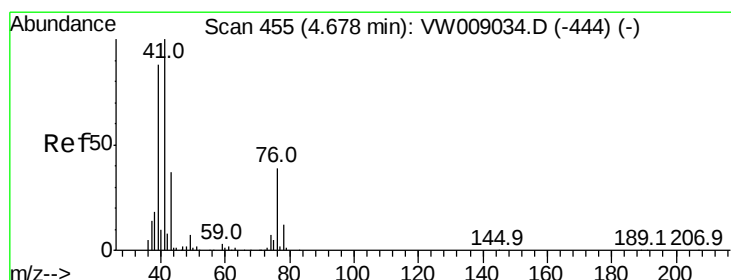
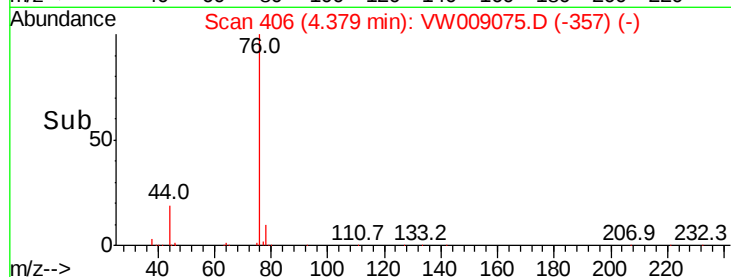
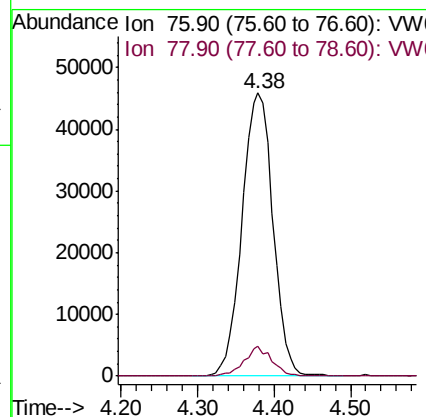
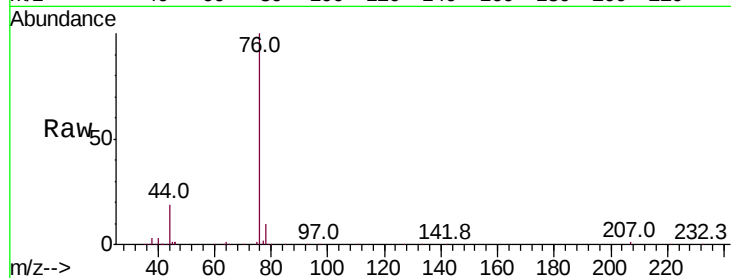
#17
Carbon Disulfide
Concen: 43.085 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.0	10.6

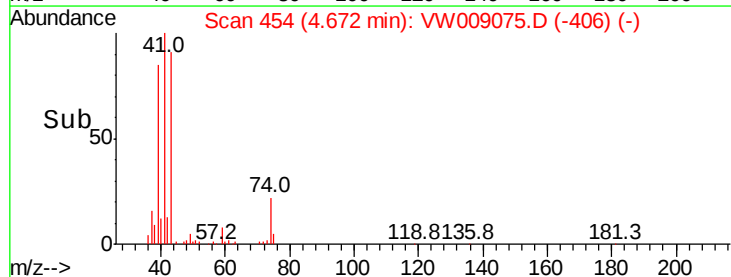
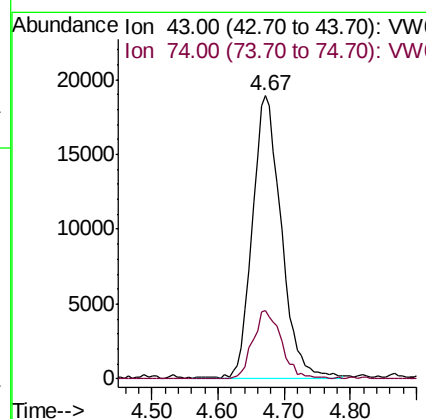
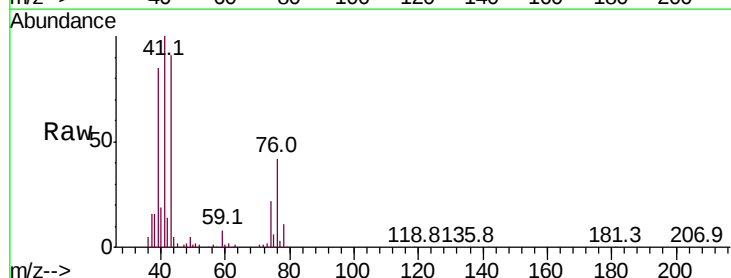
Manual Integrations
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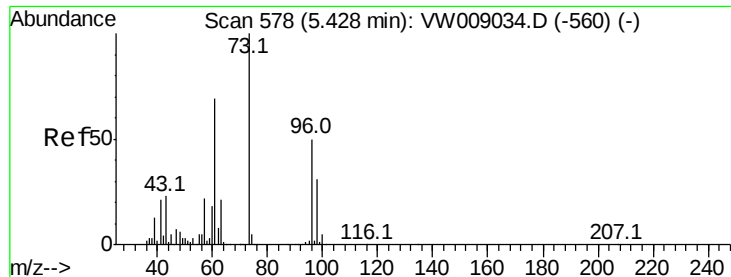
MMDadoda
3/11/2019 2:53:40 PM



#18
Methyl Acetate
Concen: 110.935 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	17.6	26.4





#19

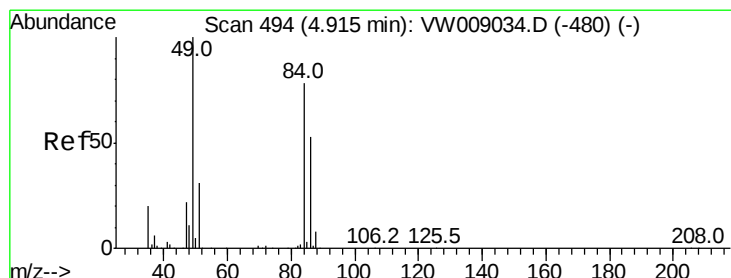
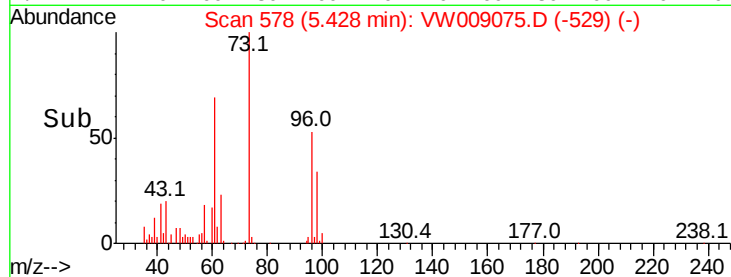
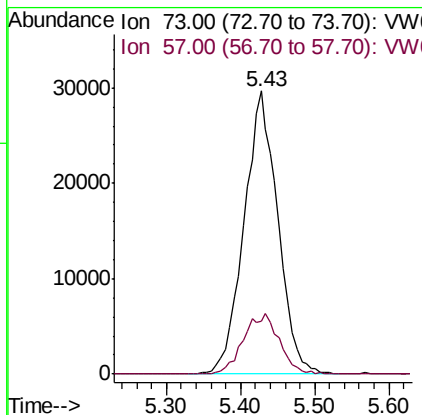
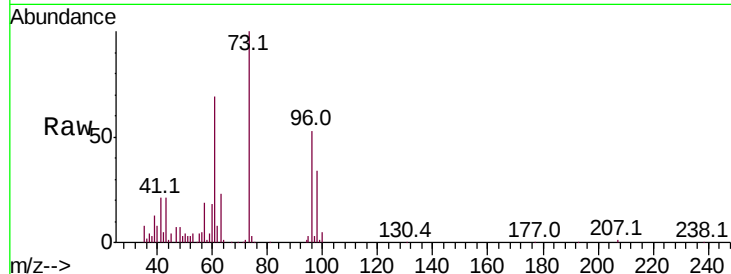
Methyl tert-butyl Ether
 Concen: 39.998 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.7	17.3	25.9

Manual Integrations
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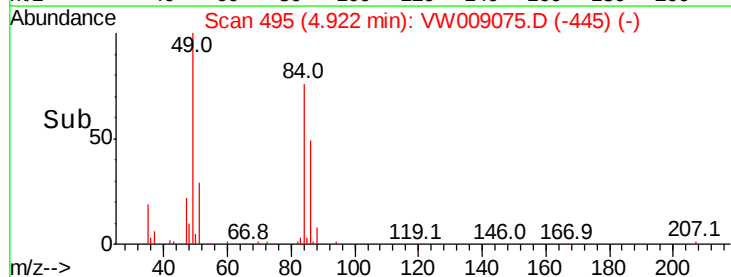
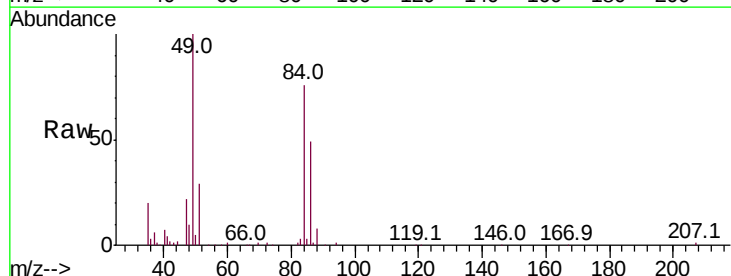
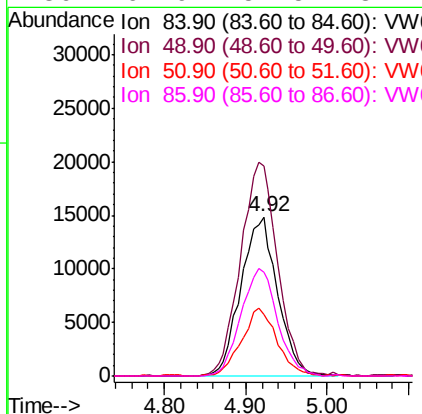
MMDadoda
 3/11/2019 2:53:40 PM

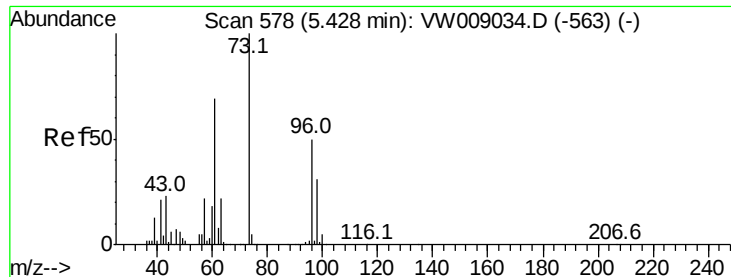


#20

Methylene Chloride
 Concen: 43.156 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.2	102.4	153.6
51	38.7	31.6	47.4
86	64.9	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 45.488 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

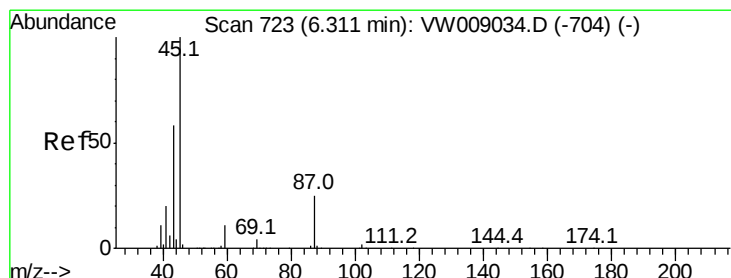
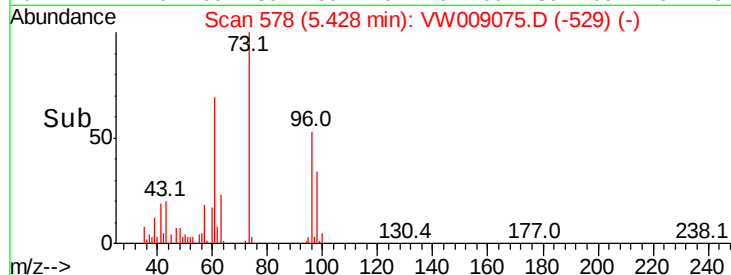
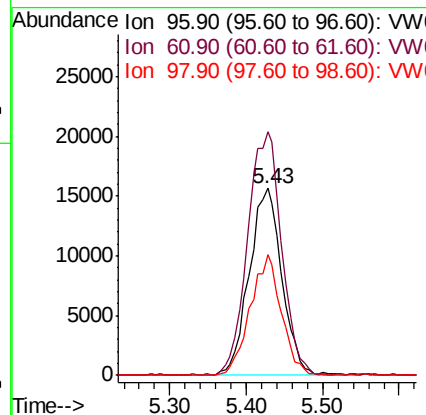
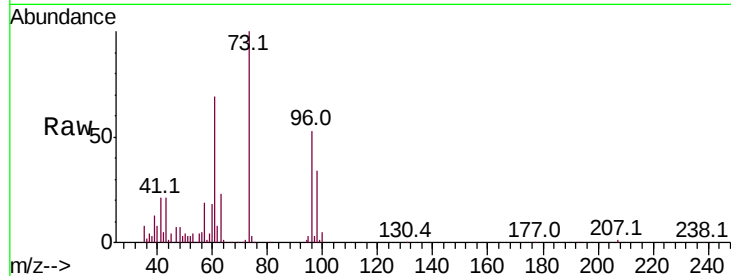
ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion:	96	Resp:	46675
Ion	Ratio	Lower	Upper
96	100		
61	129.5	111.0	166.6
98	64.6	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 42.458 ug/l

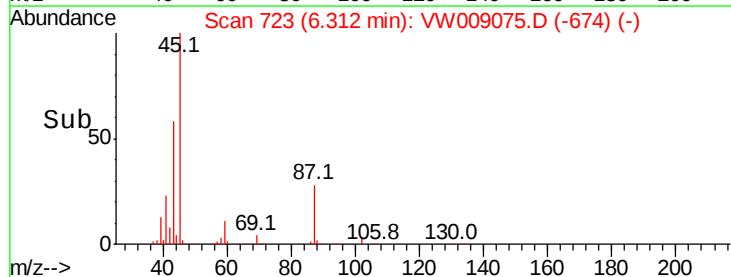
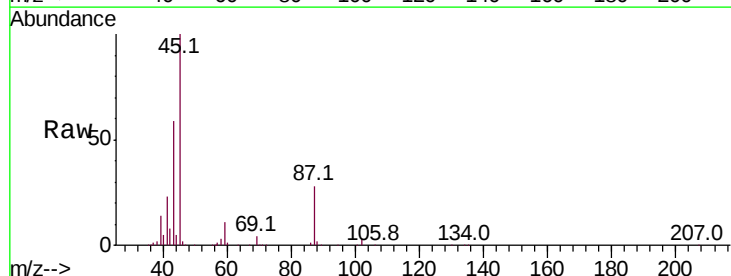
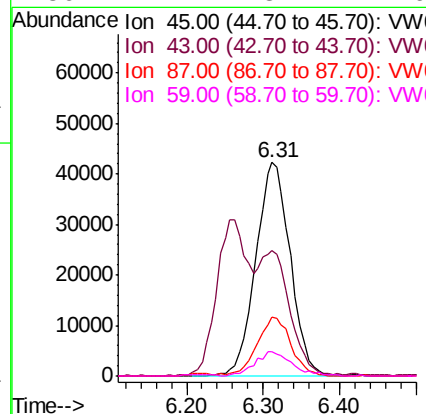
RT: 6.31 min Scan# 723

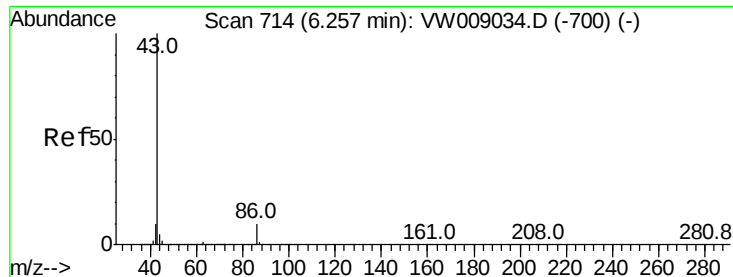
Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Tgt Ion:	45	Resp:	132262
Ion	Ratio	Lower	Upper
45	100		
43	57.9	46.2	69.4
87	27.8	20.1	30.1
59	11.2	8.4	12.6





#23

Vinyl Acetate

Concen: 46.112 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion: 43 Resp: 89389

Ion Ratio Lower Upper

43 100

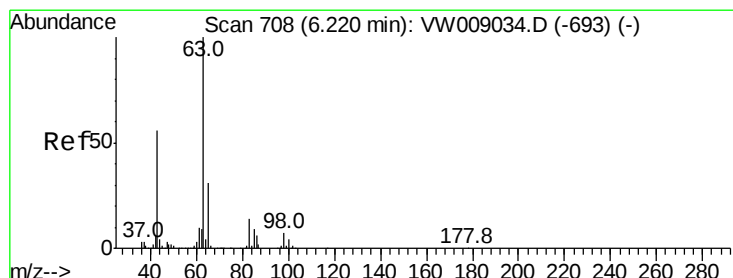
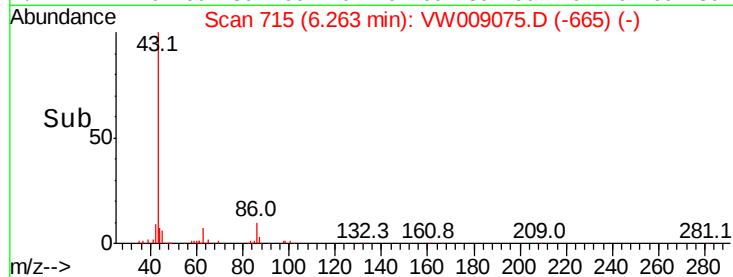
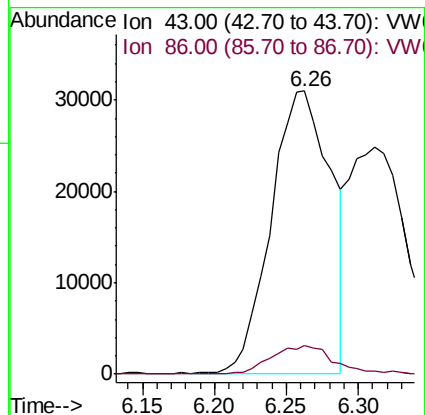
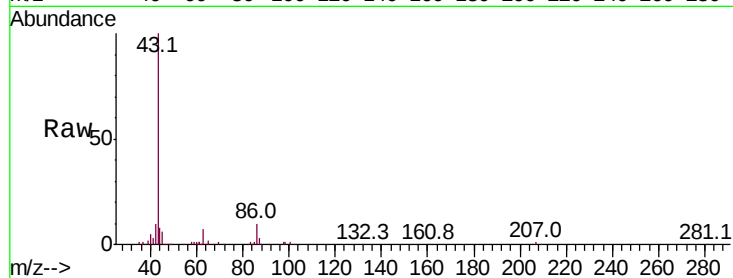
86 9.8 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 44.513 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

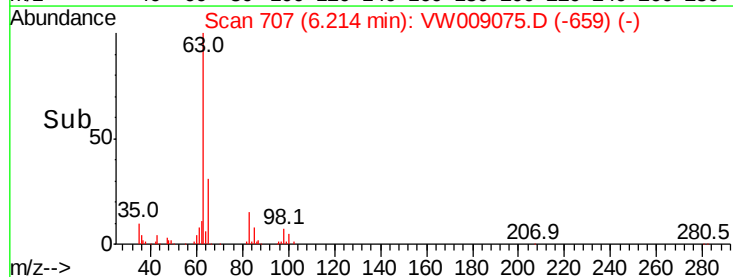
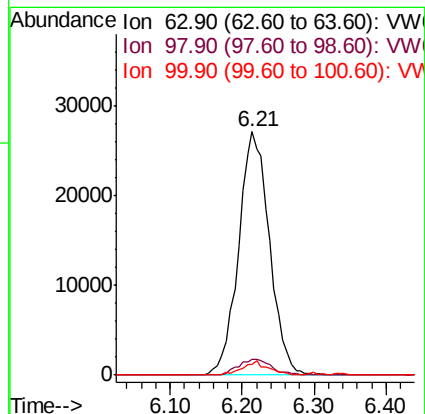
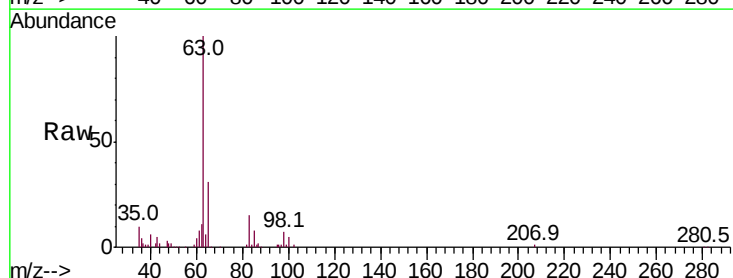
Tgt Ion: 63 Resp: 80428

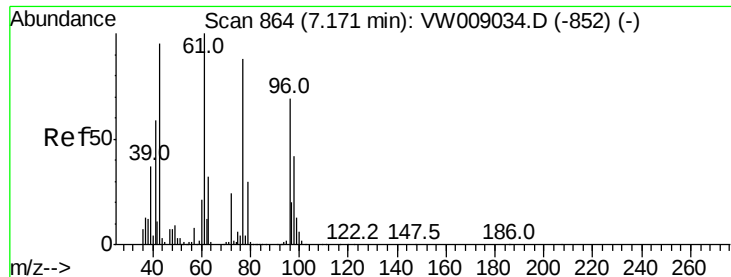
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.5 2.1 6.2





#25

2-Butanone

Concen: 189.991 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion: 43 Resp: 58944

Ion Ratio Lower Upper

43 100

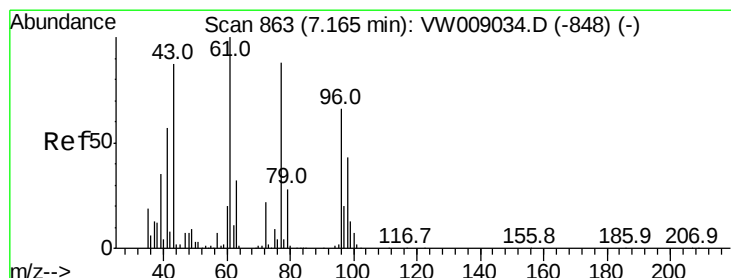
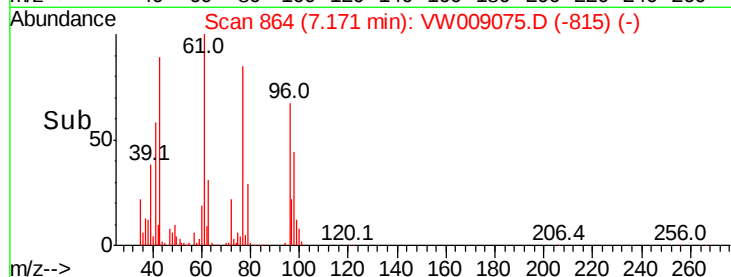
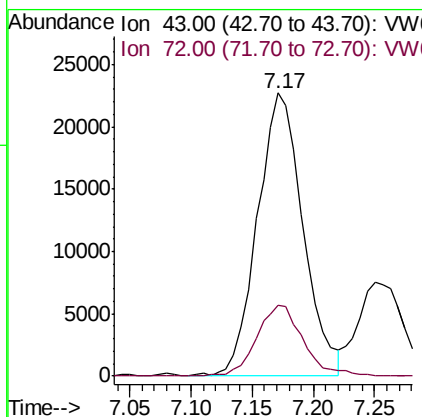
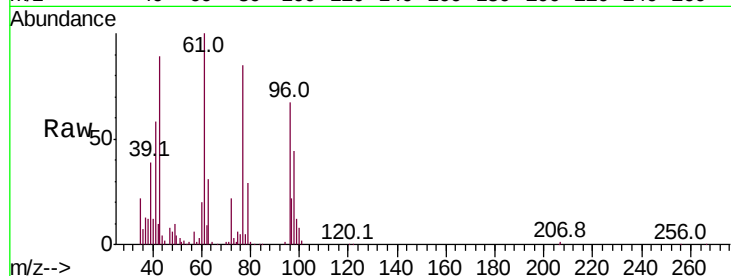
72 25.2 20.0 30.0

Manual Integrations

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MMDadoda

3/11/2019 2:53:40 PM



#26

2,2-Dichloropropane

Concen: 41.932 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009075.D

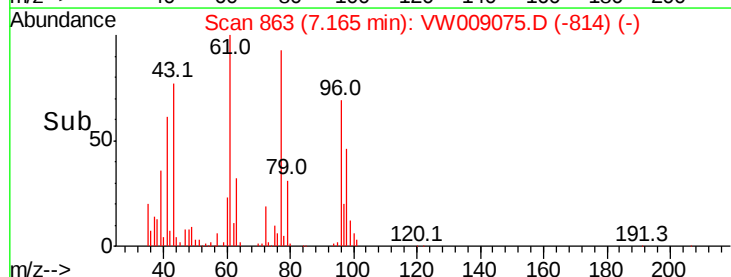
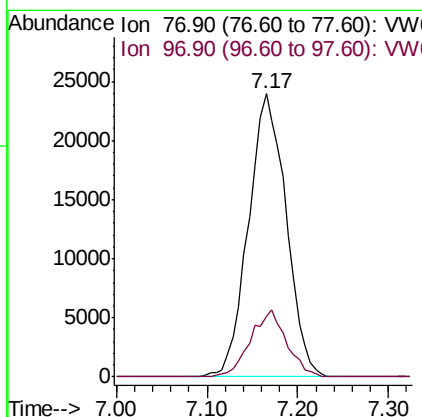
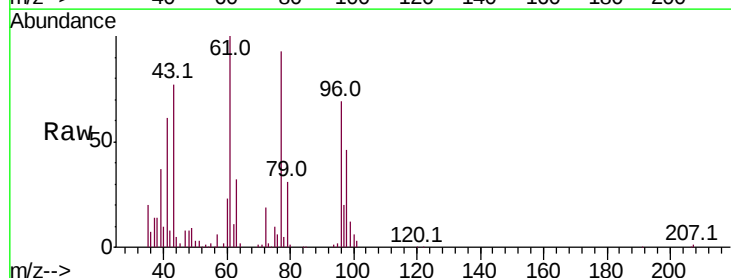
Acq: 09 Mar 2019 00:24

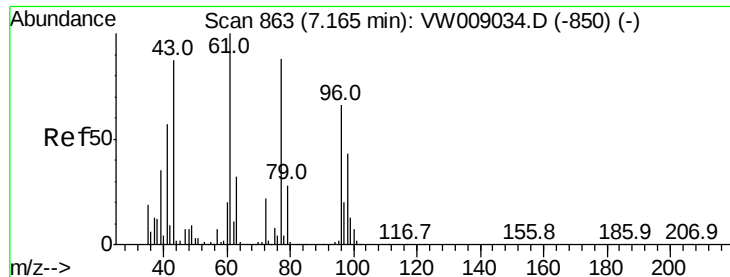
Tgt Ion: 77 Resp: 68868

Ion Ratio Lower Upper

77 100

97 22.7 10.9 32.9





#27

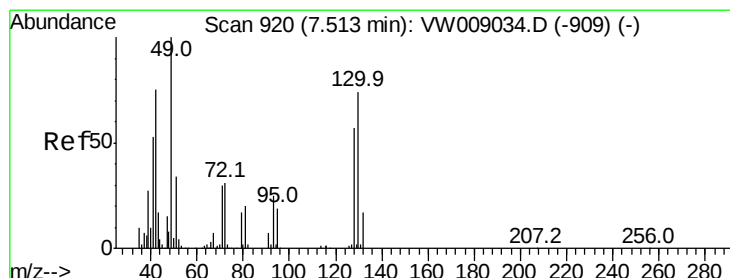
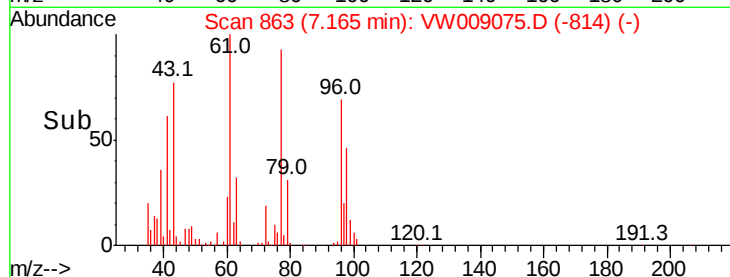
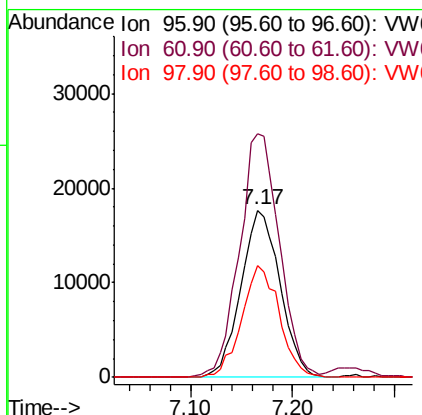
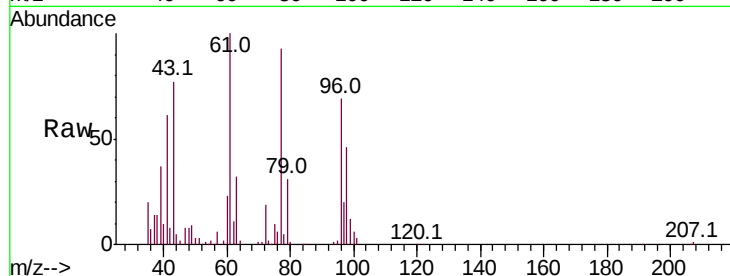
cis-1,2-Dichloroethene
Concen: 42.672 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	299.8
98	64.2	0.0	127.2

Manual Integrations
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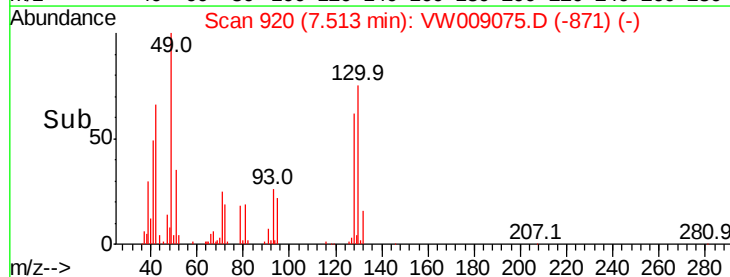
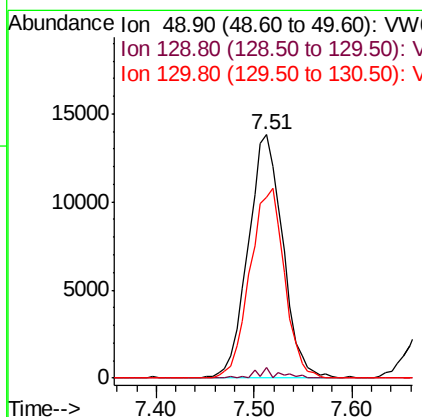
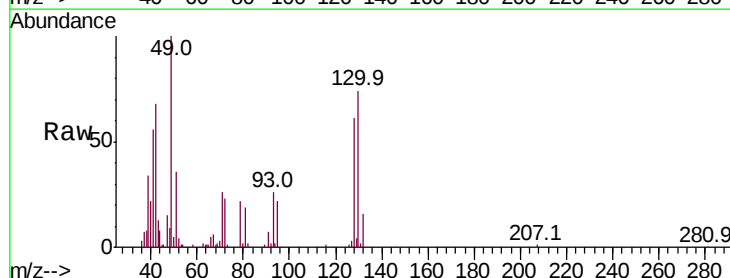
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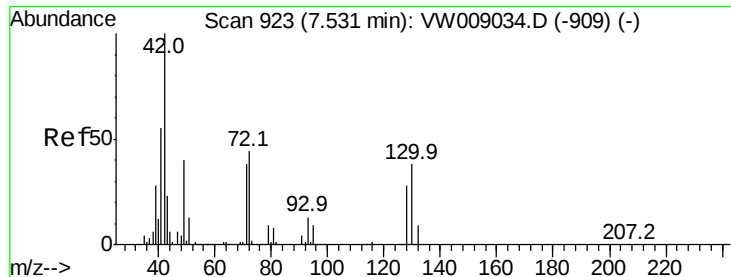


#28

Bromochloromethane
Concen: 45.505 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	77.4	60.4	90.6





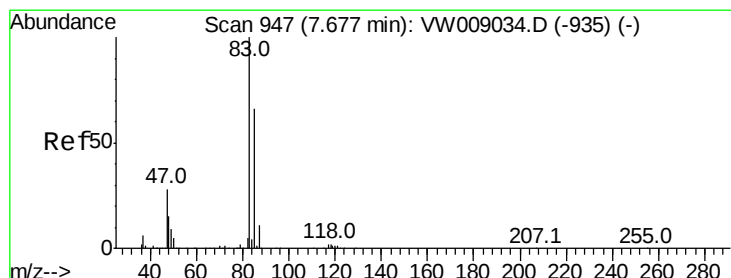
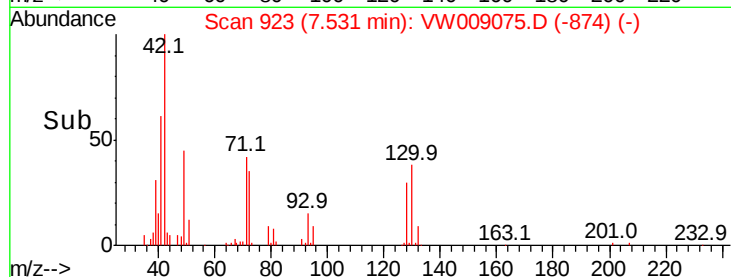
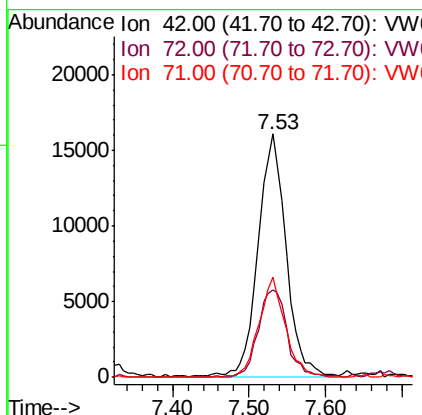
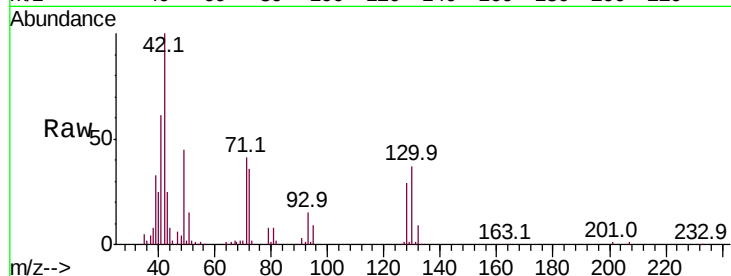
#29
Tetrahydrofuran
Concen: 212.604 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	32.2	48.4
71	38.7	30.7	46.1

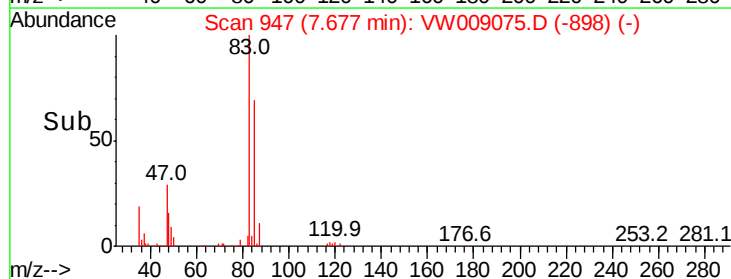
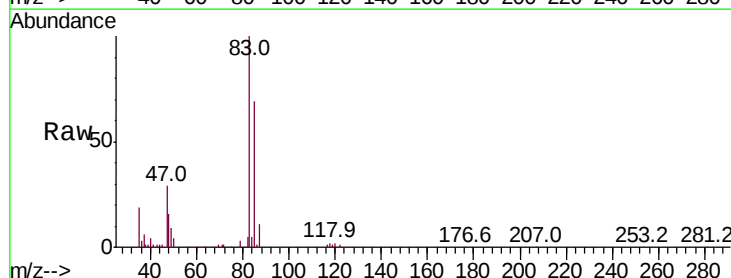
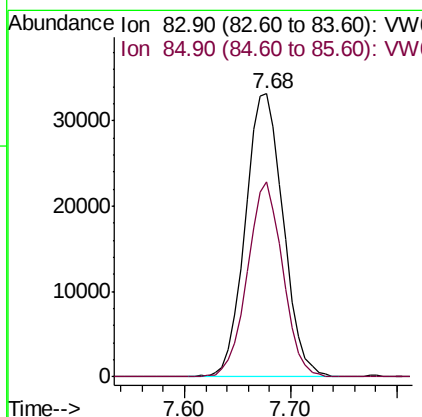
Manual Integrations
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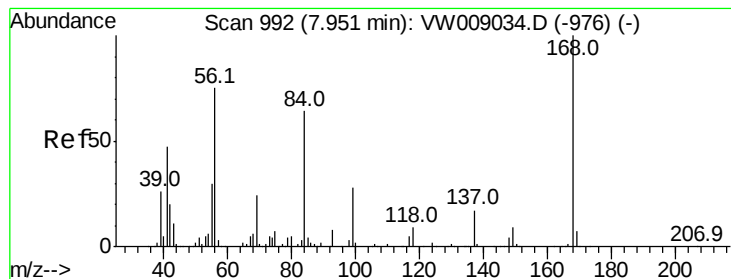
MMDadoda
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#30
Chloroform
Concen: 44.560 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.1	53.0	79.6





#31

Cyclohexane

Concen: 39.141 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion: 56 Resp: 72615

Ion Ratio Lower Upper

56 100

69 31.3 25.5 38.3

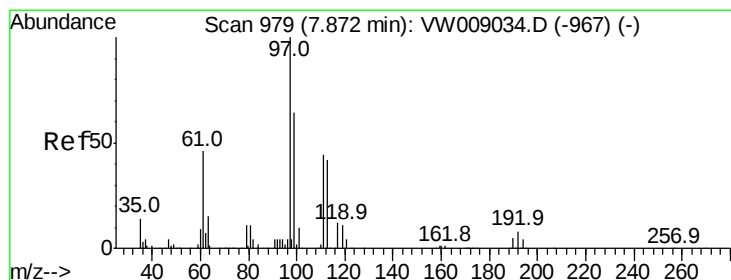
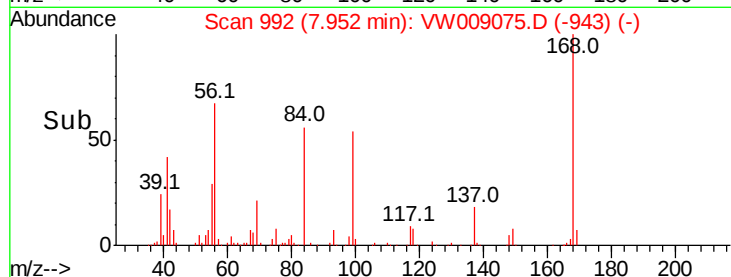
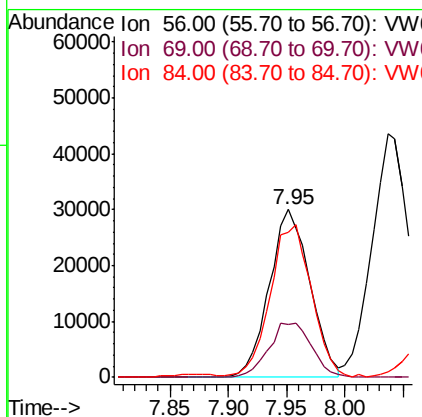
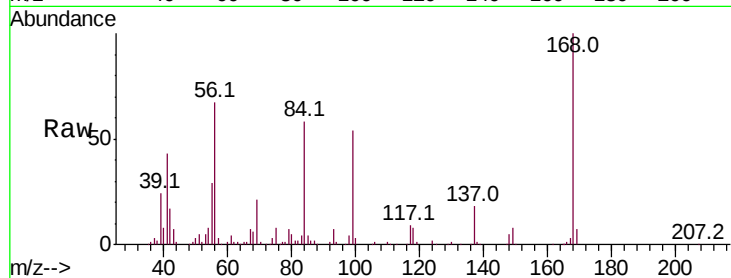
84 84.7 68.6 103.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 47.638 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

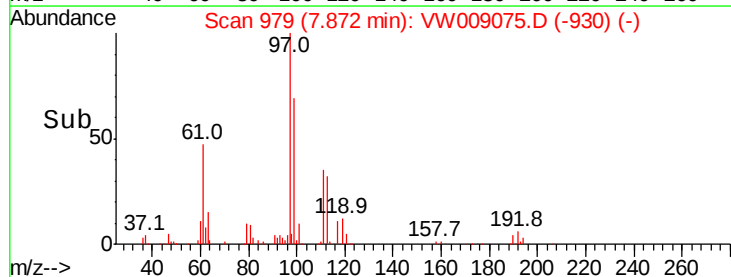
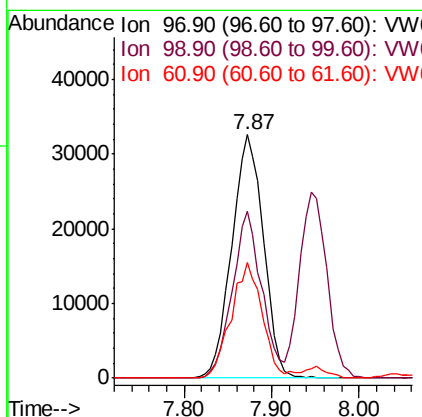
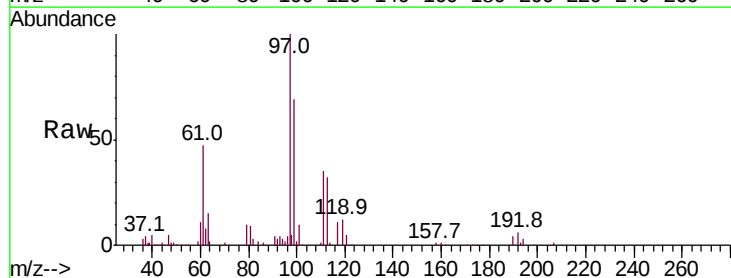
Tgt Ion: 97 Resp: 81780

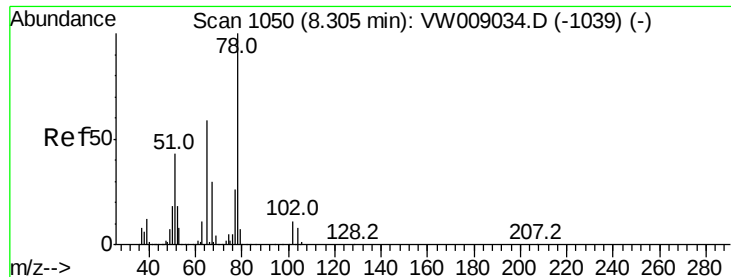
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

61 46.9 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 40.960 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion: 65 Resp: 40747

Ion Ratio Lower Upper

65 100

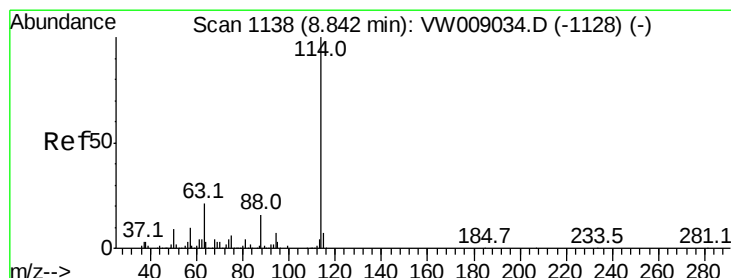
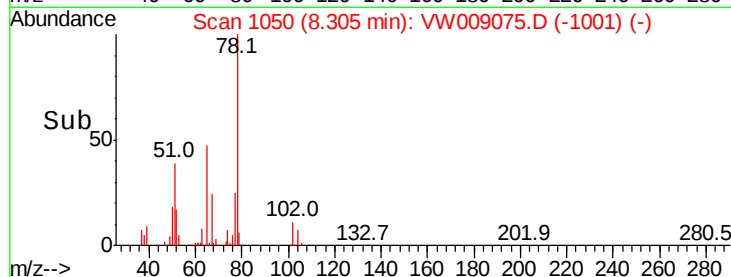
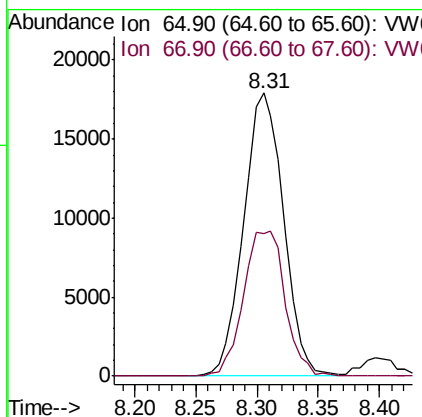
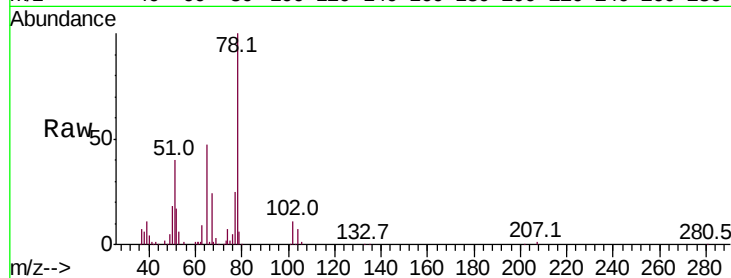
67 53.3 0.0 103.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

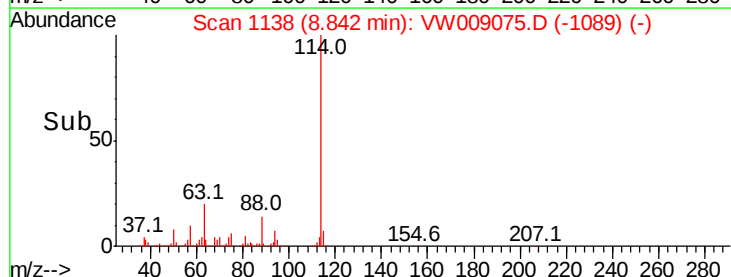
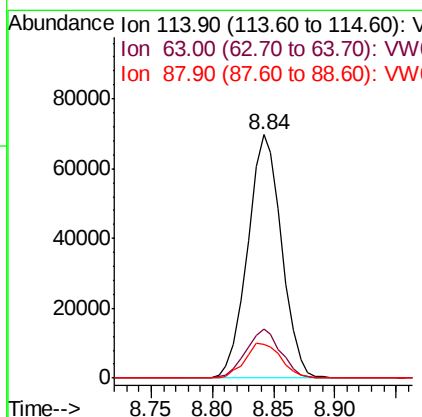
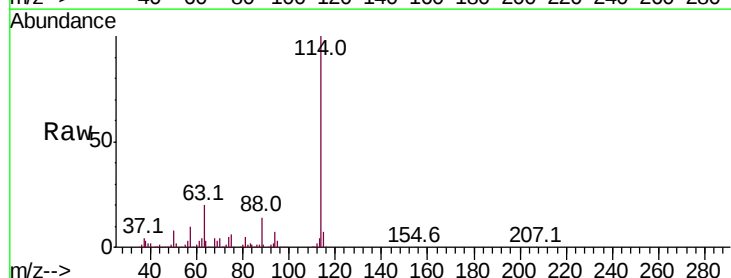
Tgt Ion: 114 Resp: 134429

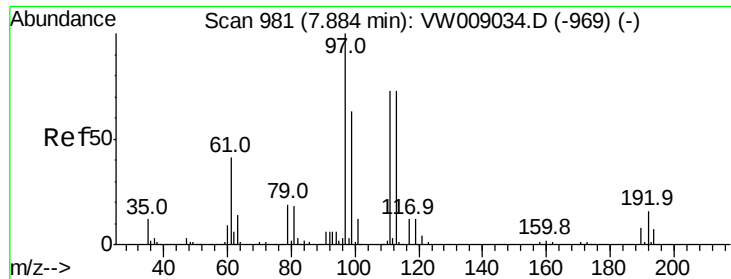
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.2

88 13.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 43.936 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

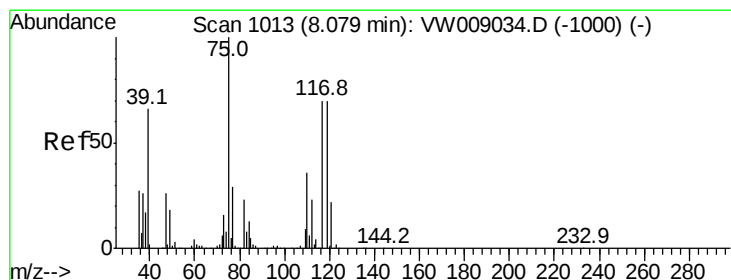
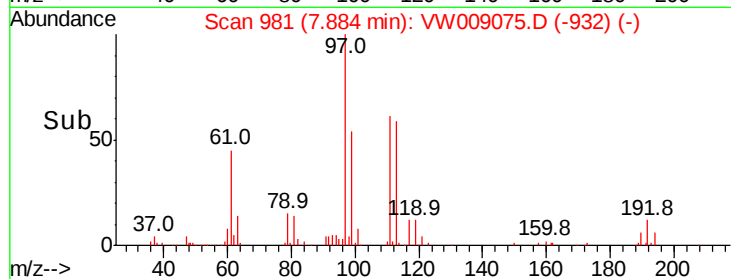
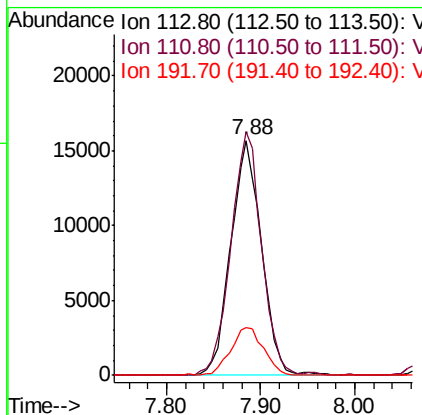
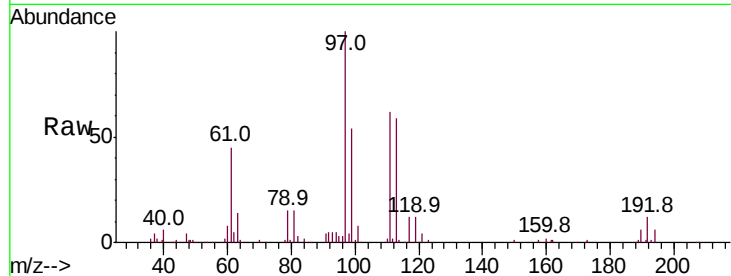
ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion:	113	Resp:	35561
Ion Ratio	Lower	Upper	
113	100		
111	103.3	81.0	121.4
192	21.9	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.176 ug/l

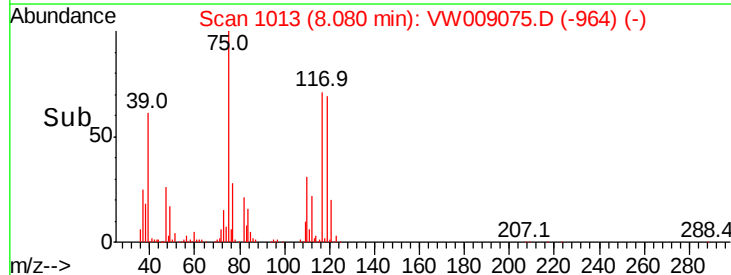
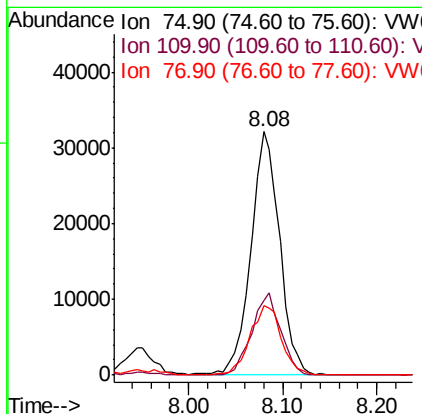
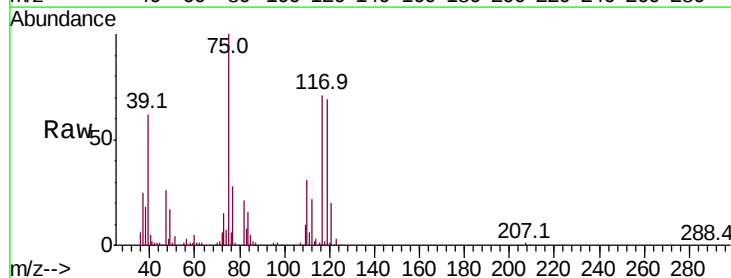
RT: 8.08 min Scan# 1013

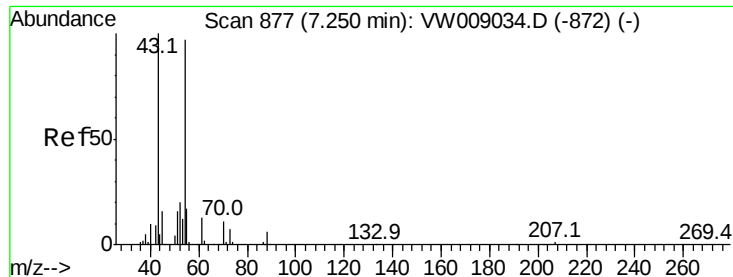
Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Tgt Ion:	75	Resp:	69123
Ion Ratio	Lower	Upper	
75	100		
110	33.8	17.6	52.9
77	31.1	25.1	37.7





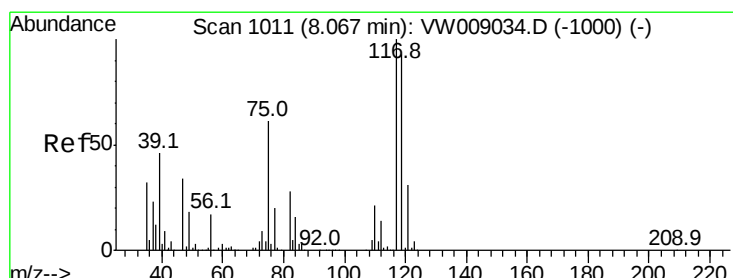
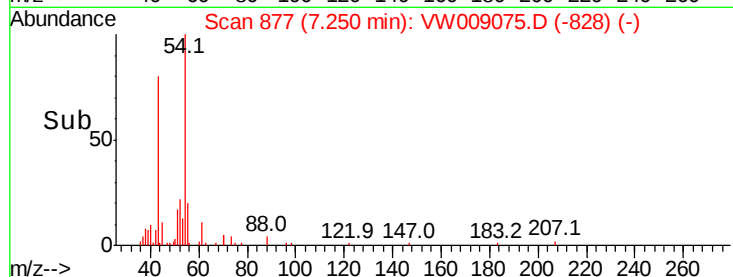
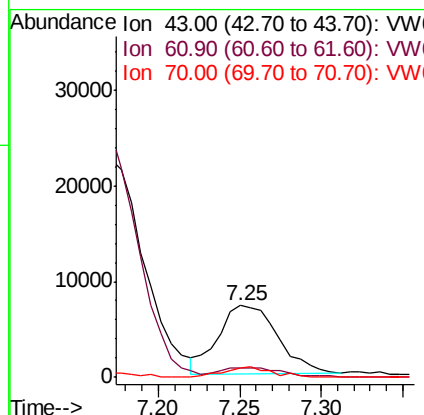
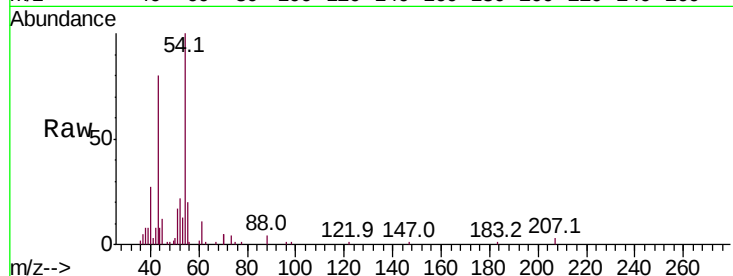
#37
Ethyl Acetate
Concen: 27.616 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	9.8	14.6#
70	13.4	7.2	10.8#

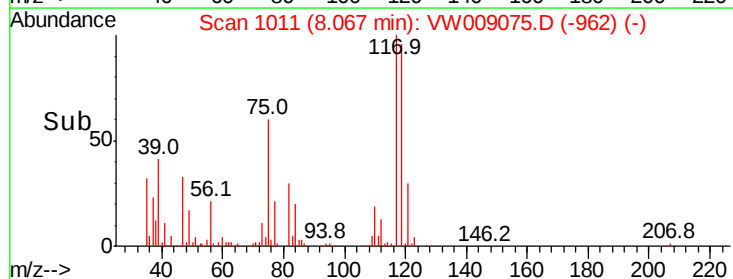
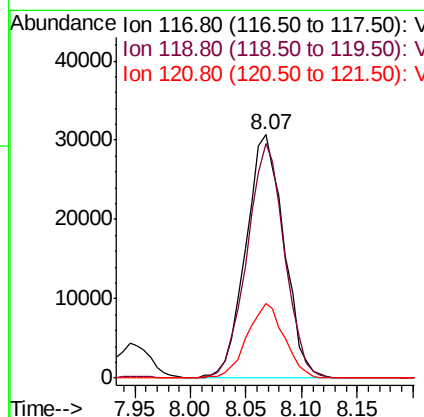
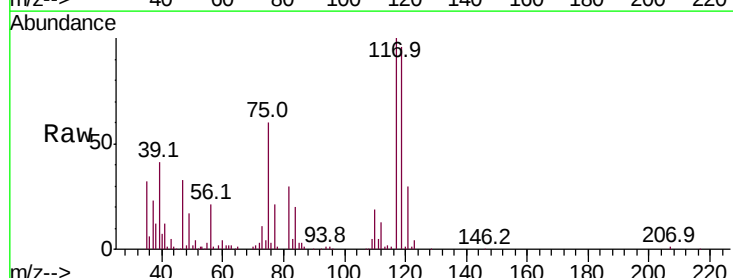
Manual Integrations
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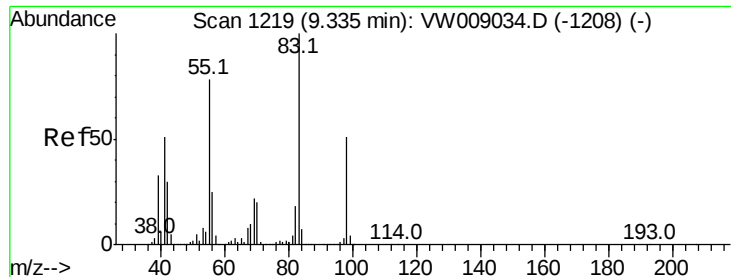
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.606 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	74.6	112.0
121	30.4	24.7	37.1





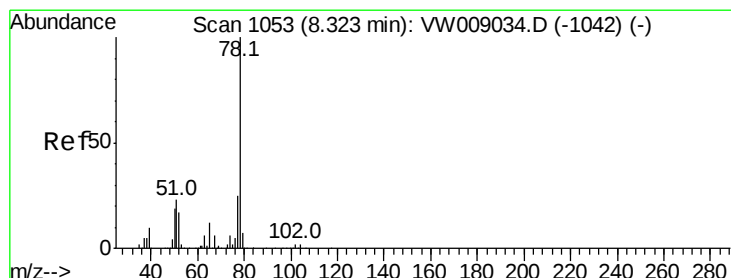
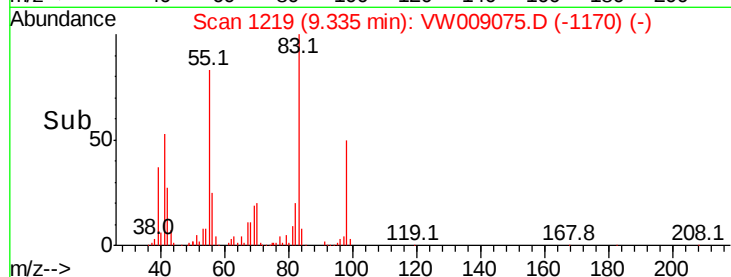
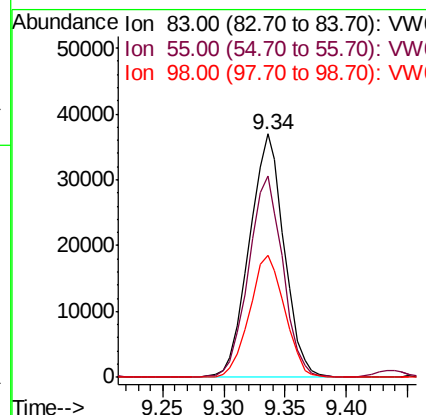
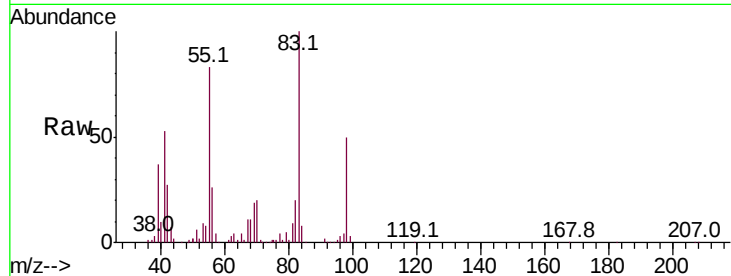
#39
Methvlcvclohexane
Concen: 43.669 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	62.7	94.1
98	50.2	40.8	61.2

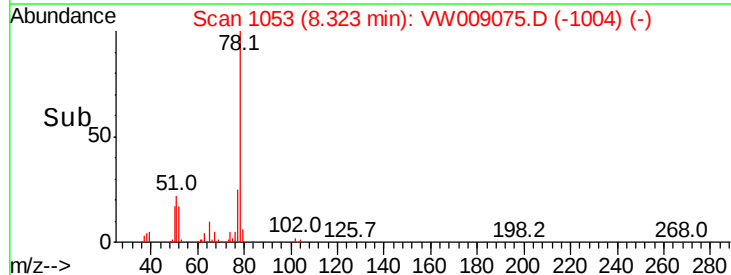
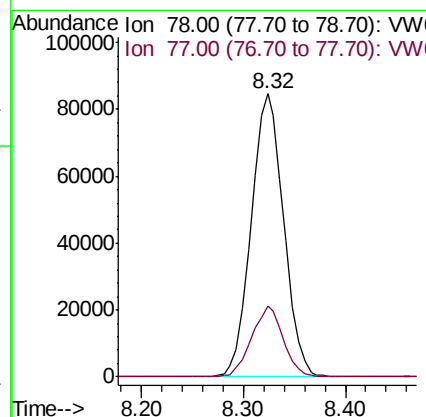
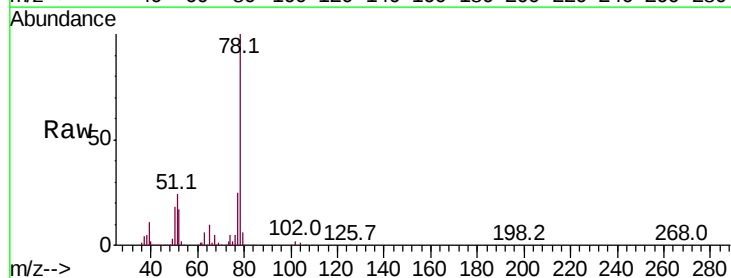
Manual Integrations
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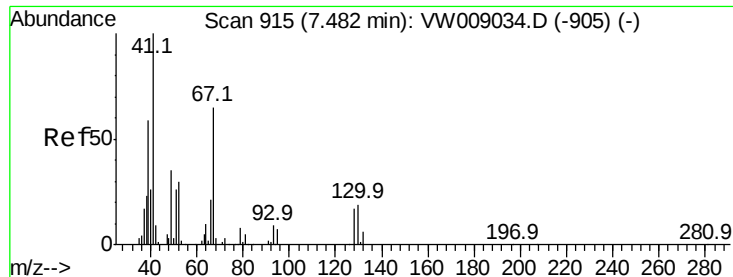
MMDadoda
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#40
Benzene
Concen: 49.864 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	20.2	30.4





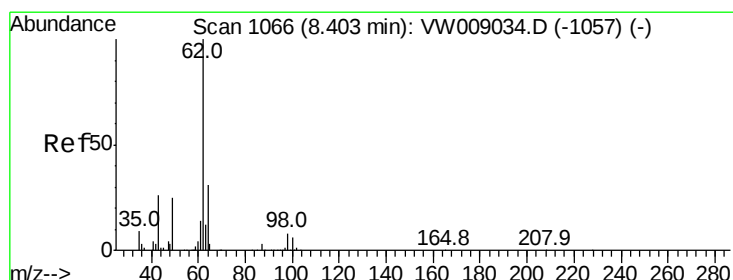
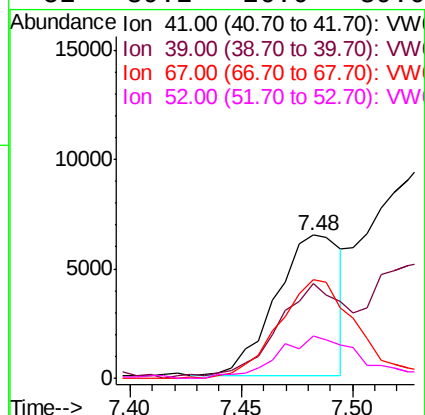
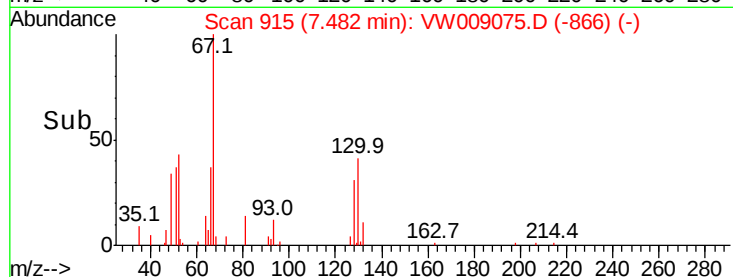
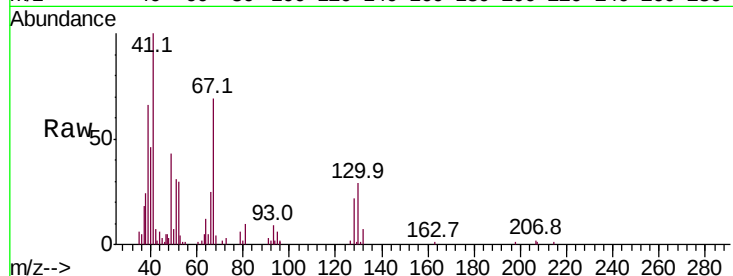
#41
Methacrylonitrile
Concen: 35.725 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.5	53.6	80.4
67	84.5	57.6	86.4
52	39.2	26.0	39.0#

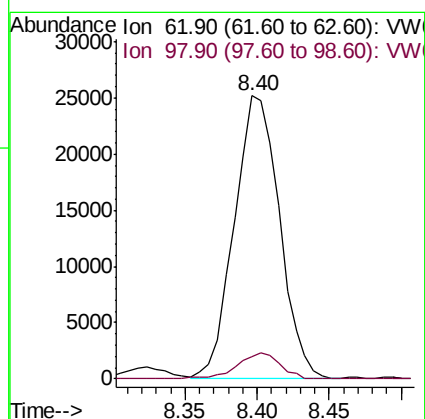
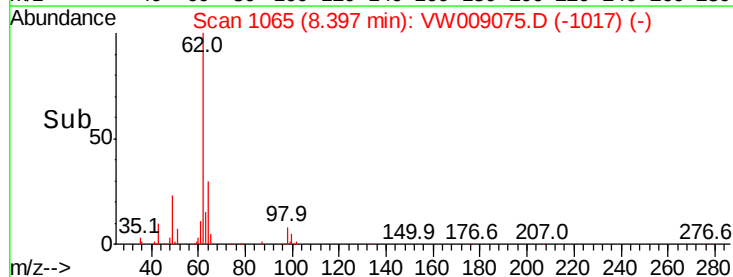
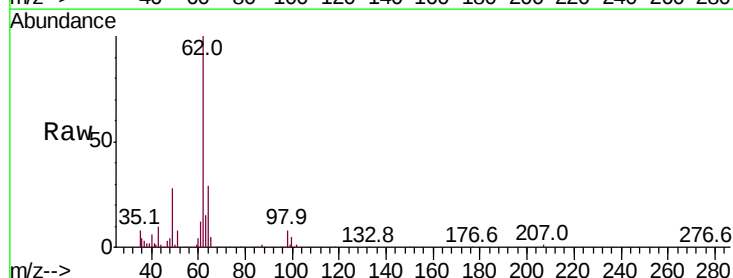
Manual Integrations
APPROVED

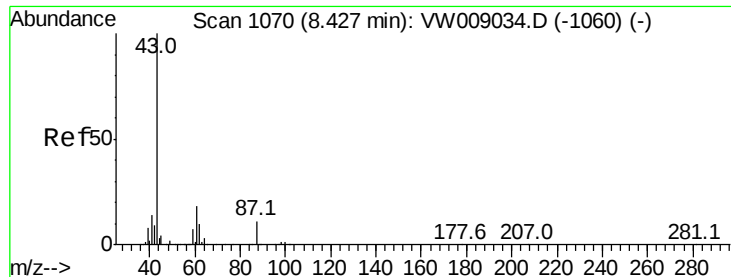
MMDadoda
3/11/2019 2:53:40 PM



#42
1,2-Dichloroethane
Concen: 45.429 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 33.968 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

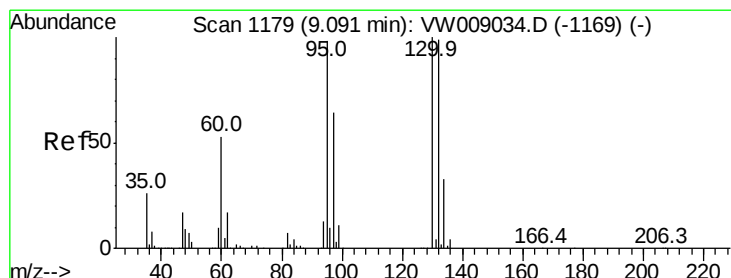
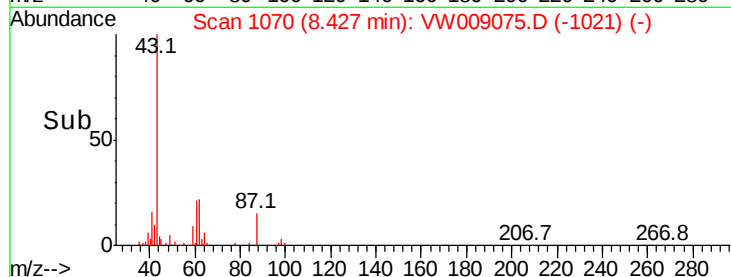
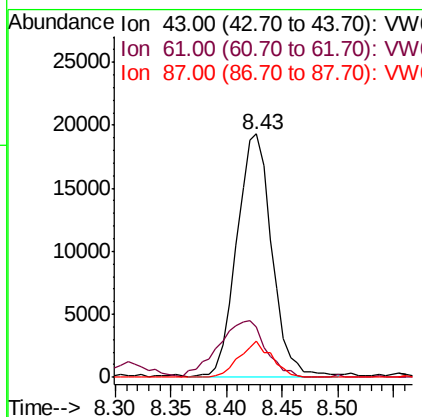
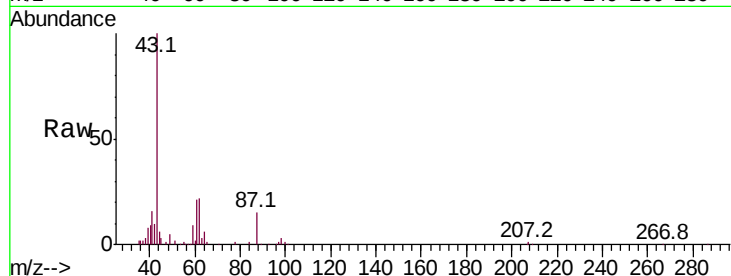
ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion:	43	Resp:	41769
Ion	Ratio	Lower	Upper
43	100		
61	31.8	22.8	34.2
87	13.9	9.4	14.2

Manual Integrations
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3/11/2019 2:53:40 PM



#44

Trichloroethene

Concen: 48.990 ug/l

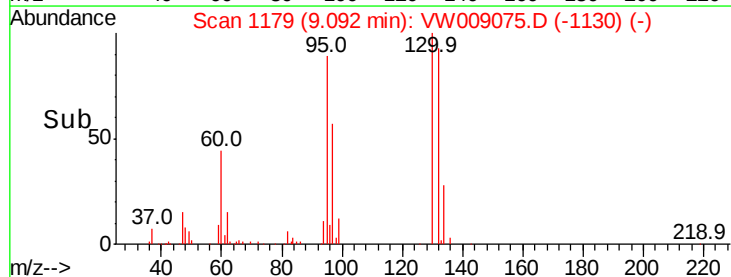
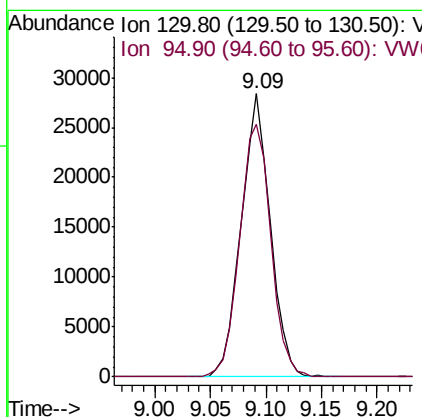
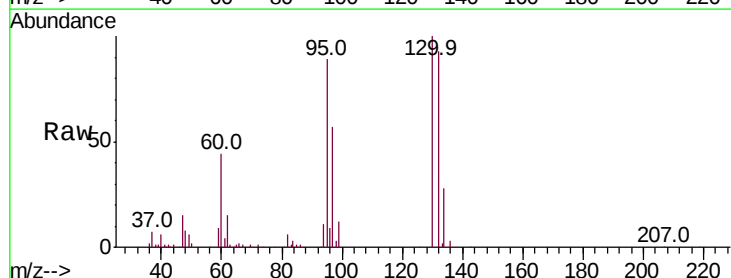
RT: 9.09 min Scan# 1179

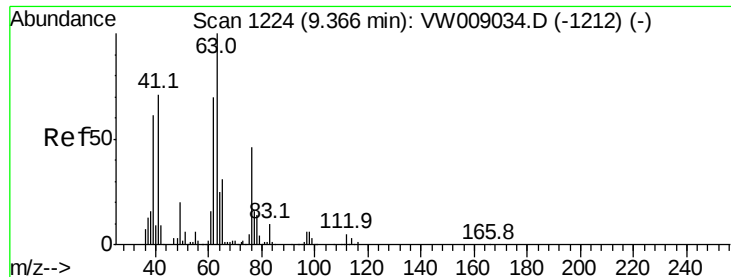
Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Tgt Ion:	130	Resp:	51521
Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	197.0





#45

1,2-Dichloropropane

Concen: 47.321 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion: 63 Resp: 44471

Ion Ratio Lower Upper

63 100

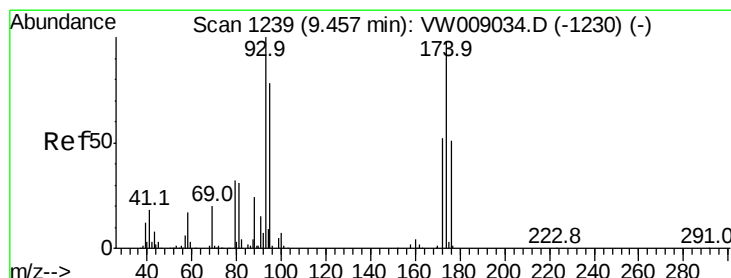
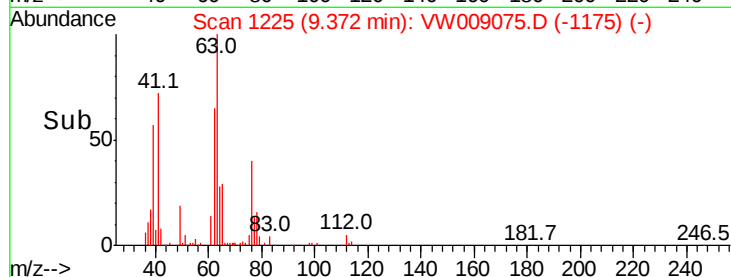
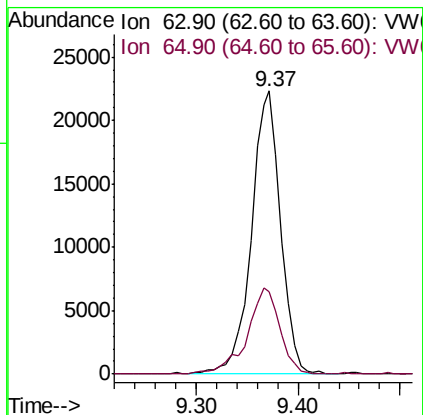
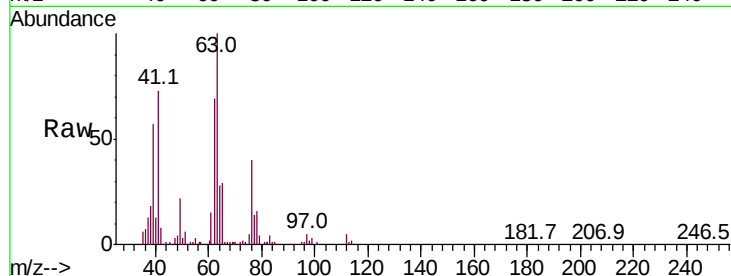
65 28.9 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 46.450 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

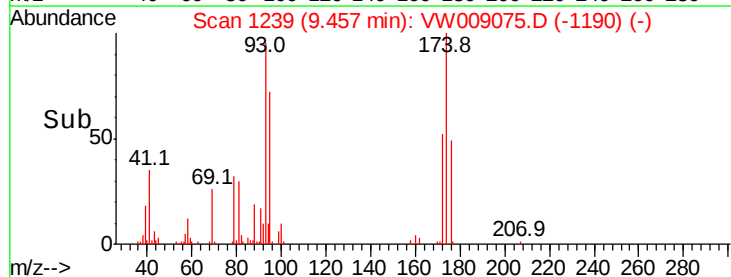
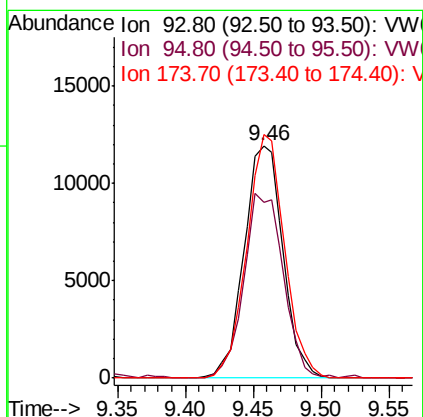
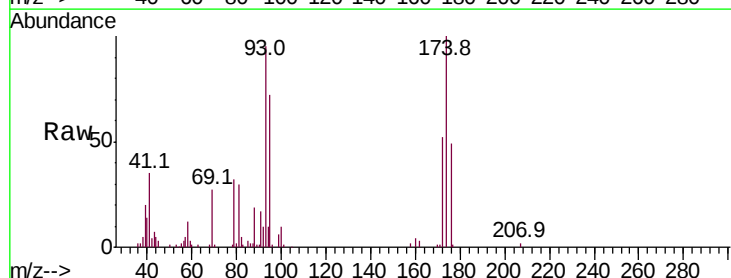
Tgt Ion: 93 Resp: 23840

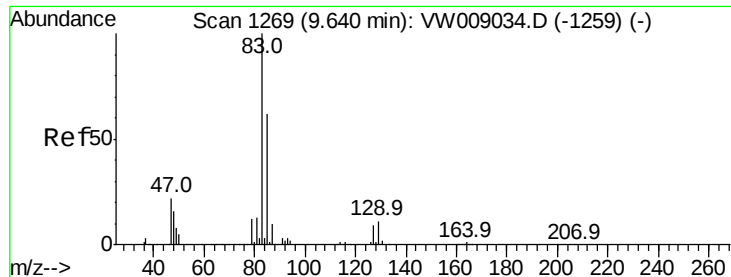
Ion Ratio Lower Upper

93 100

95 80.9 65.0 97.6

174 101.9 81.8 122.6





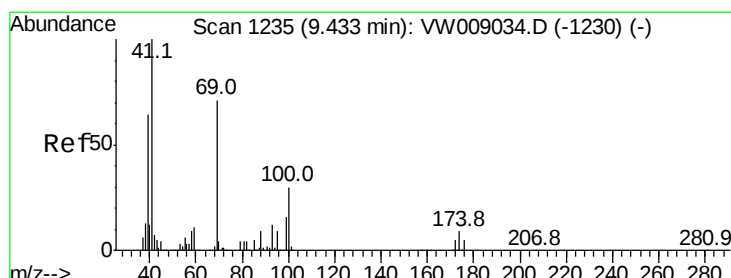
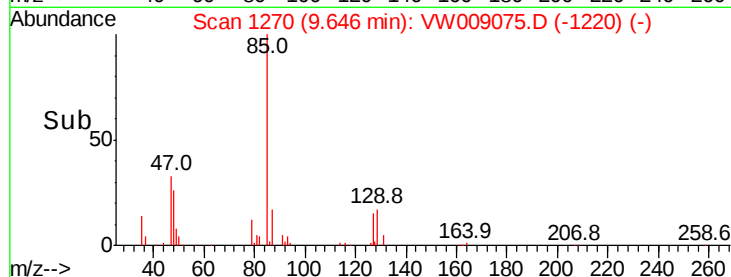
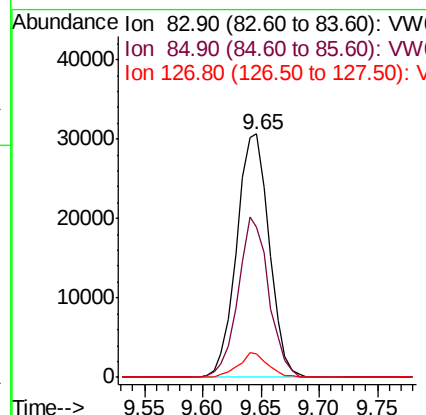
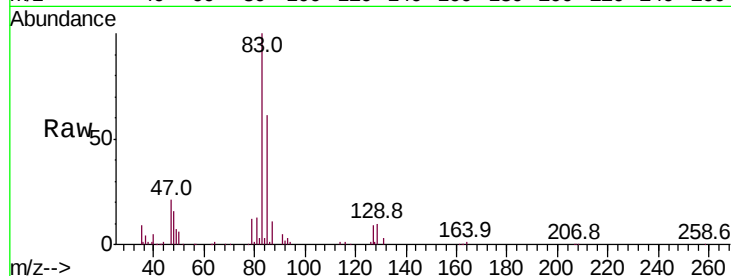
#47
Bromodichloromethane
Concen: 46.020 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	61.5	49.9	74.9	
127	9.4	7.1	10.7	

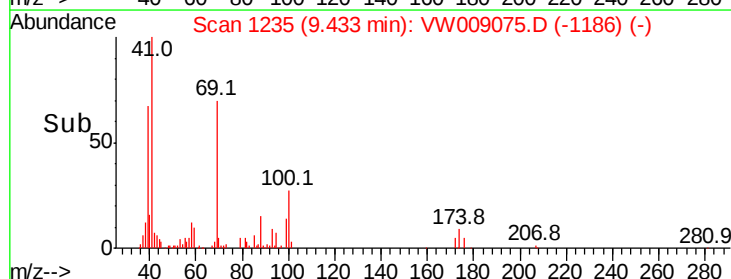
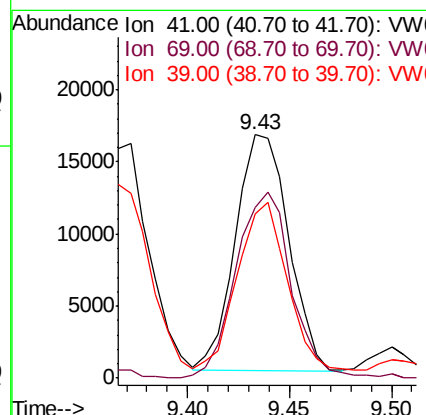
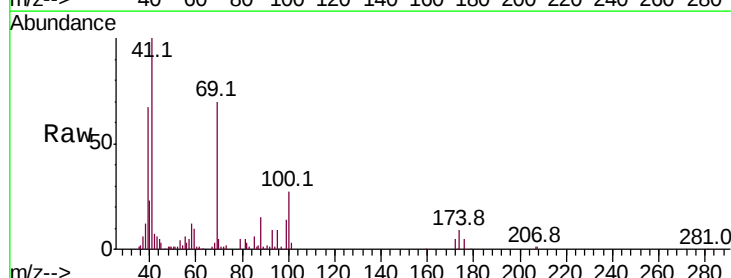
Manual Integrations
APPROVED

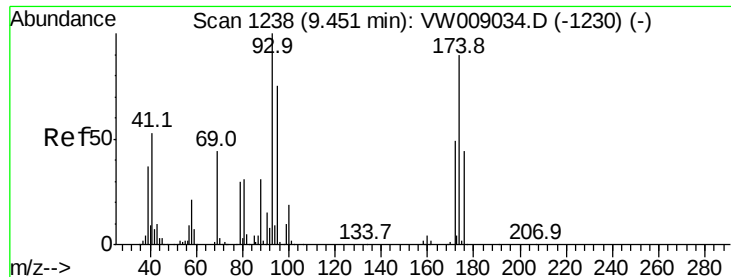
MMDadoda
3/11/2019 2:53:40 PM



#48
Methyl methacrylate
Concen: 51.881 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	81.4	59.1	88.7	
39	67.2	48.9	73.3	





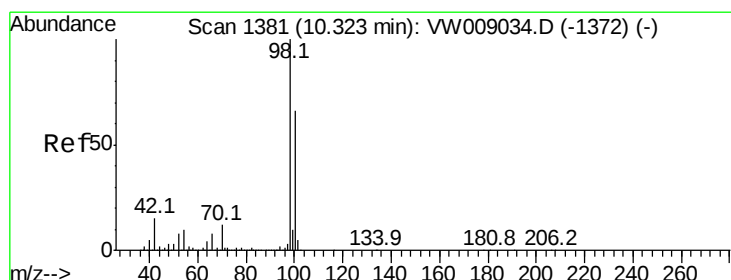
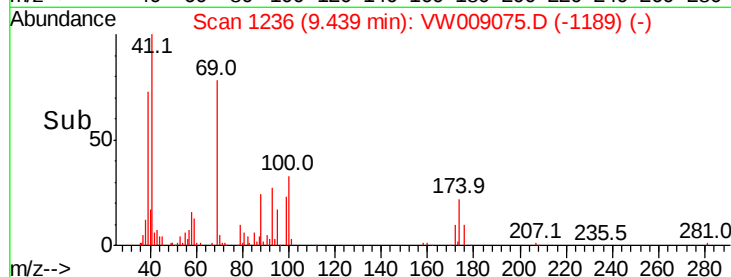
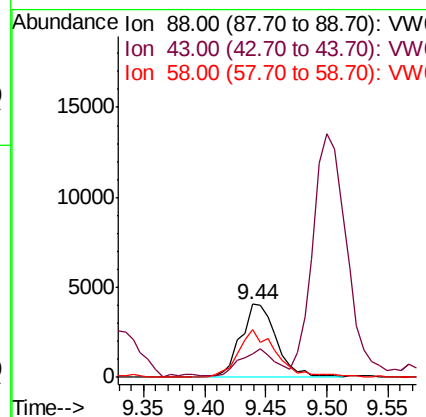
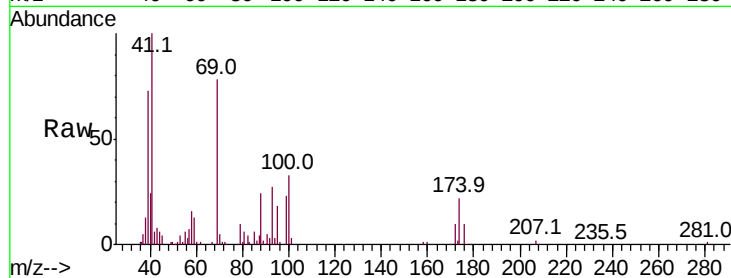
#49
1,4-Dioxane
Concen: 1121.162 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampled :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	29.0	43.4
58	69.0	59.2	88.8

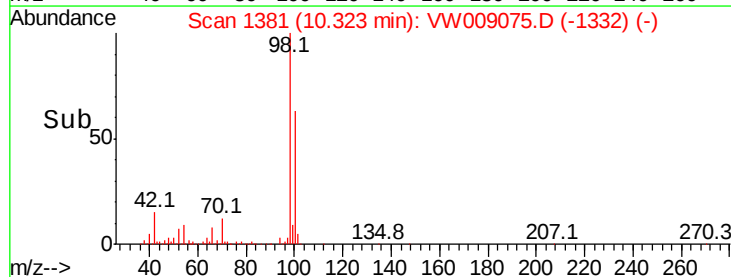
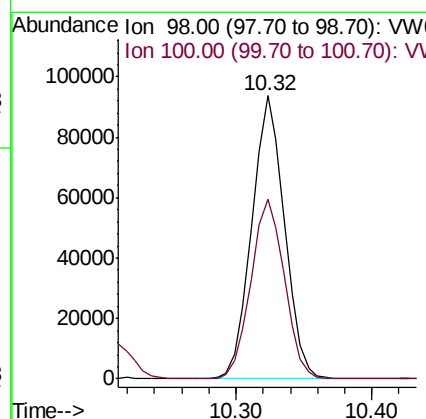
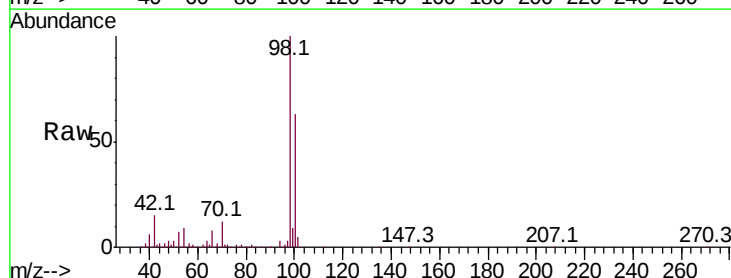
Manual Integrations
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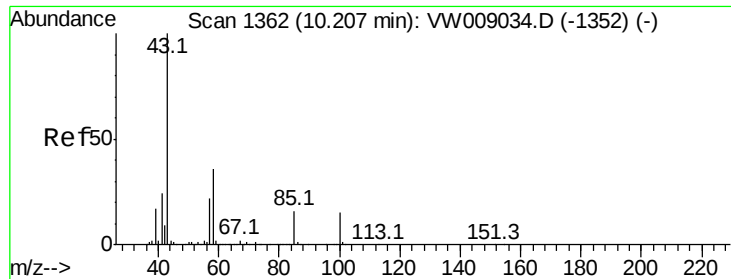
MMDadoda
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#50
Toluene-d8
Concen: 47.610 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 239.569 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion: 43 Resp: 149554

Ion Ratio Lower Upper

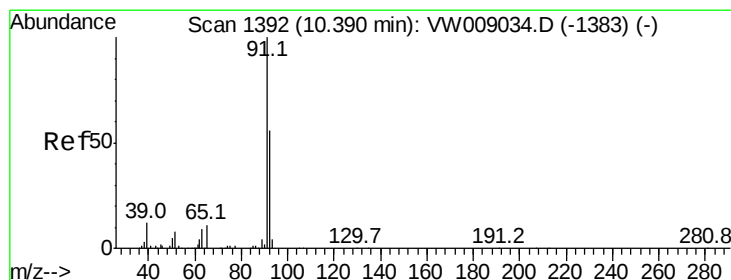
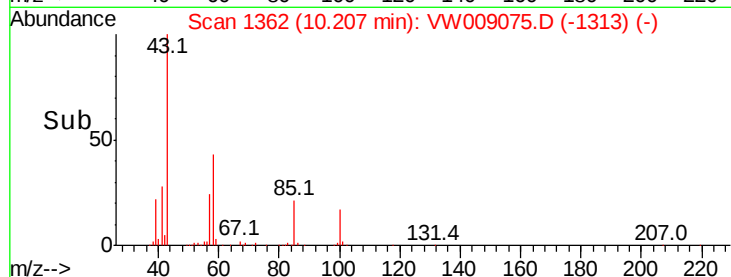
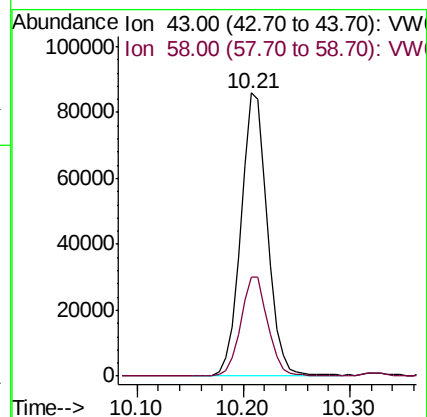
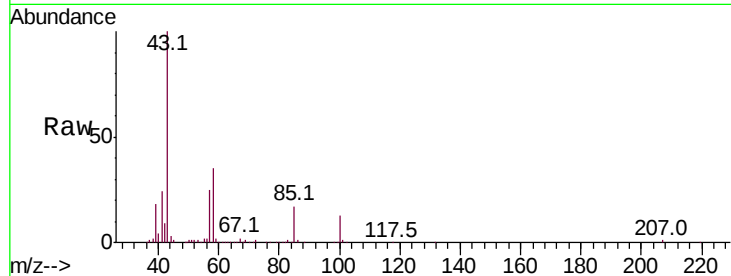
43 100

58 36.0 28.8 43.2

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#52

Toluene

Concen: 48.663 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009075.D

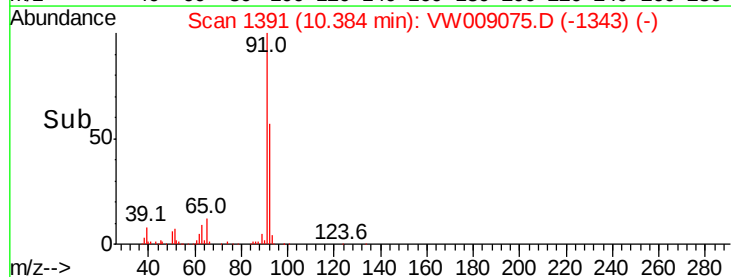
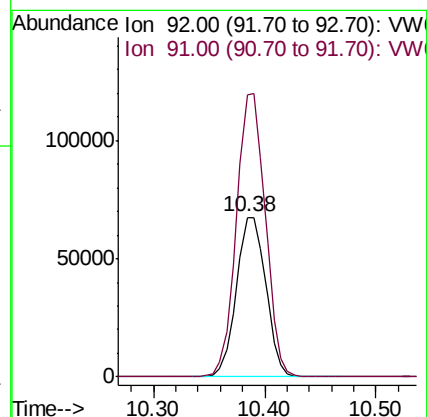
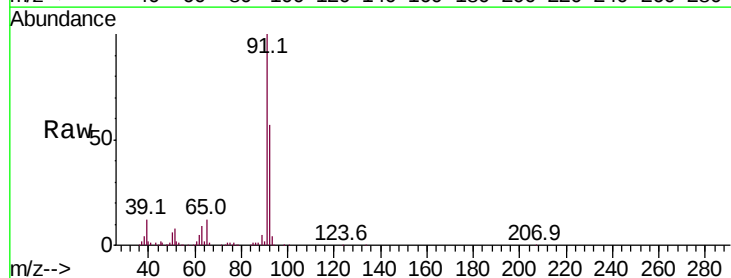
Acq: 09 Mar 2019 00:24

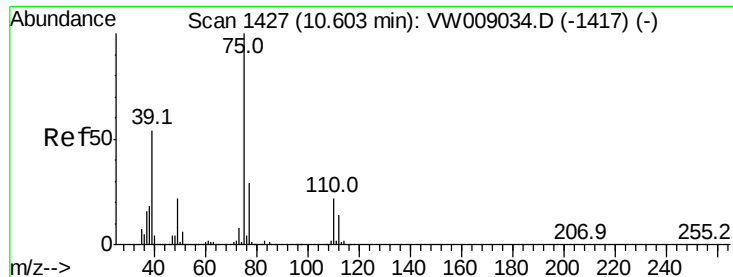
Tgt Ion: 92 Resp: 123833

Ion Ratio Lower Upper

92 100

91 174.2 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 42.681 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W

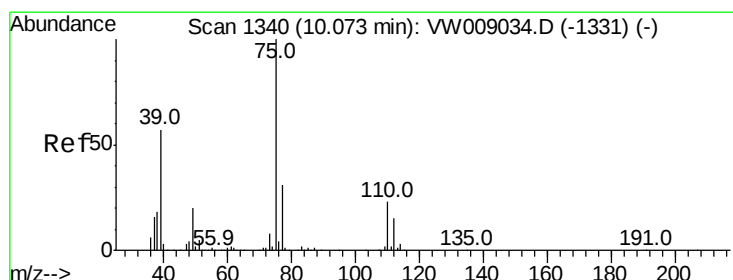
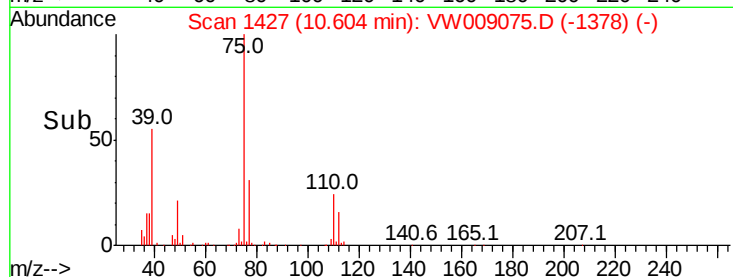
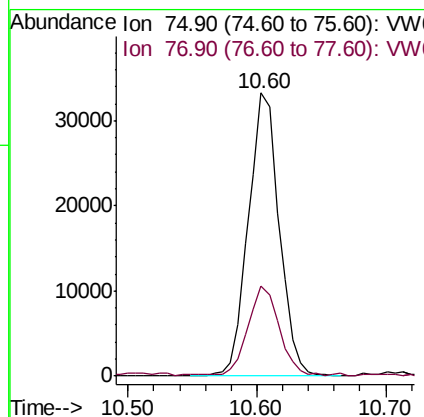
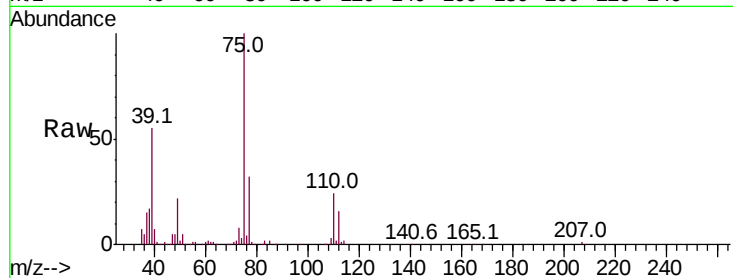
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion: 75 Resp: 54843

Ion	Ratio	Lower	Upper
75	100		
77	31.0	23.6	35.4

Manual Integrations
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3/11/2019 2:53:40 PM



#54

cis-1,3-Dichloropropene

Concen: 42.128 ug/l

RT: 10.07 min Scan# 1340

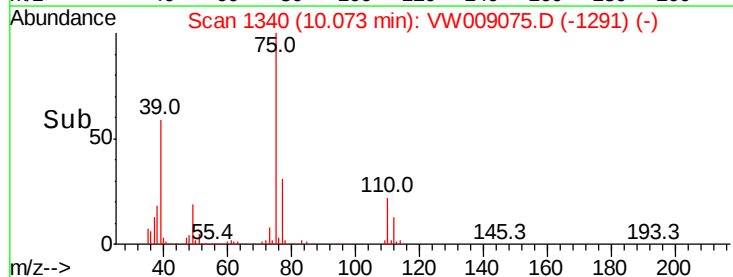
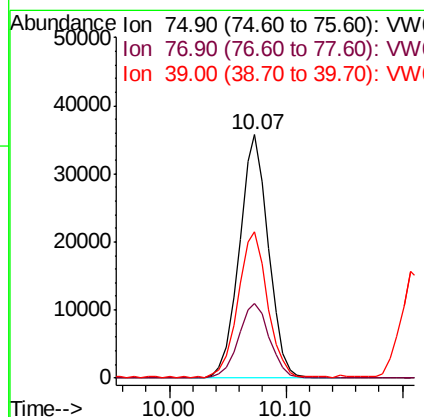
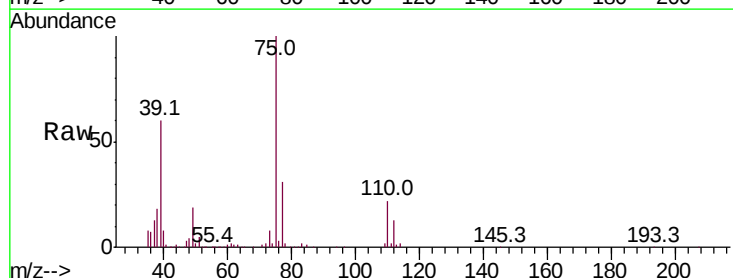
Delta R.T. 0.00 min

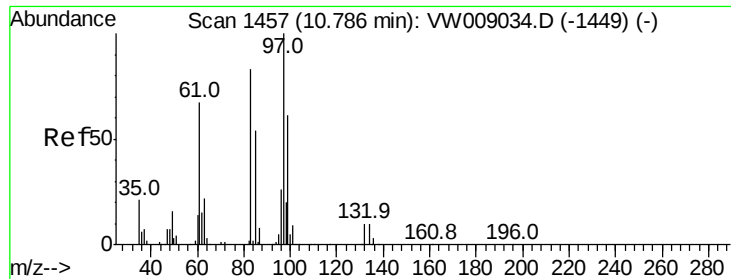
Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Tgt Ion: 75 Resp: 62207

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.6	36.8
39	59.6	45.9	68.9





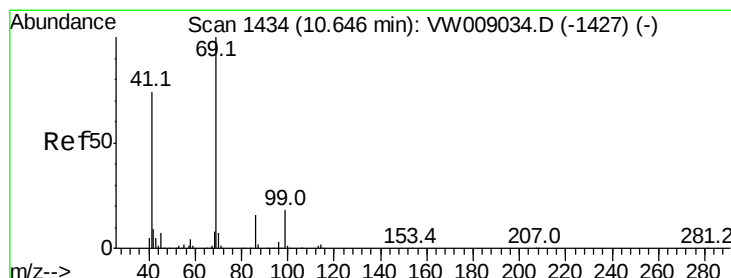
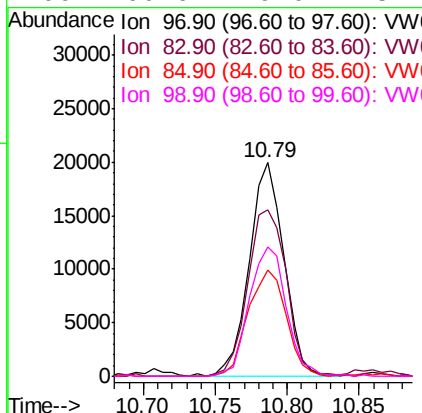
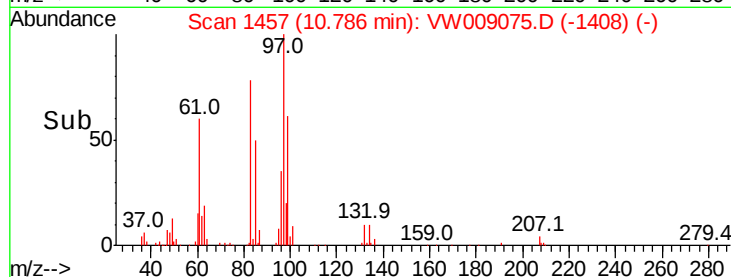
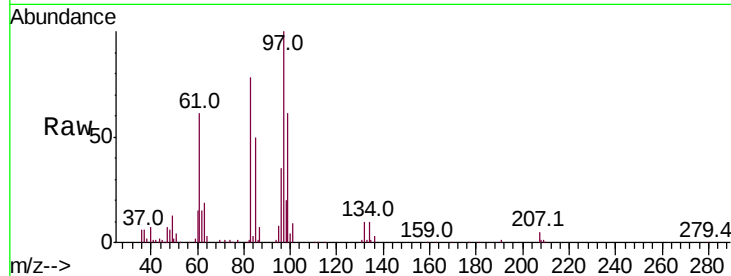
#55
 1,1,2-Trichloroethane
 Concen: 47.667 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	78.0	66.2	99.2
85	49.9	43.6	65.4
99	60.6	49.0	73.4

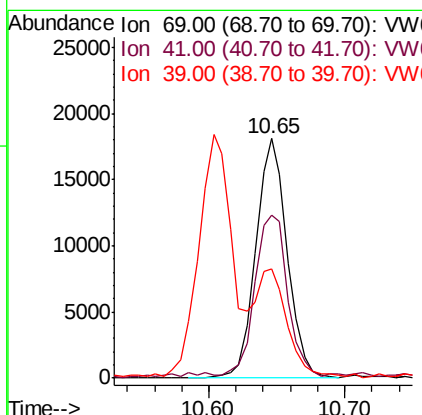
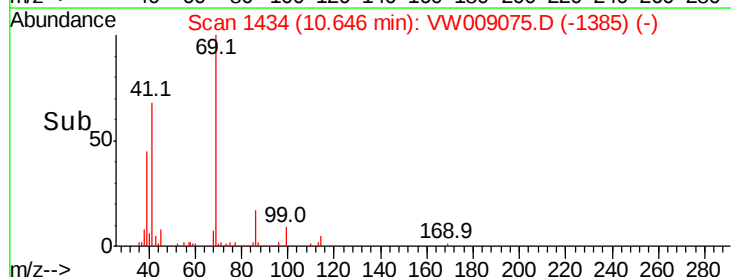
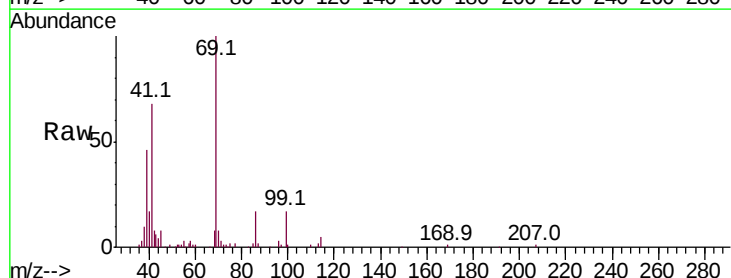
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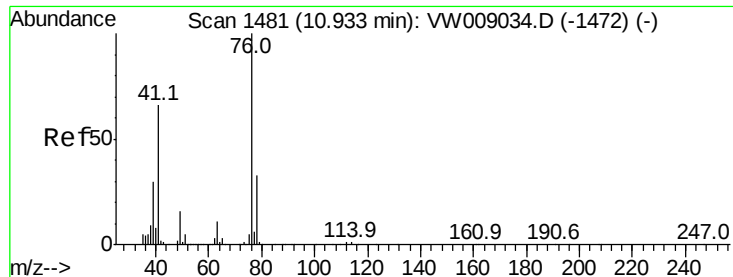
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 3/11/2019 2:53:40 PM



#56
 Ethyl methacrylate
 Concen: 33.811 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.7	59.4	89.2
39	46.8	38.5	57.7





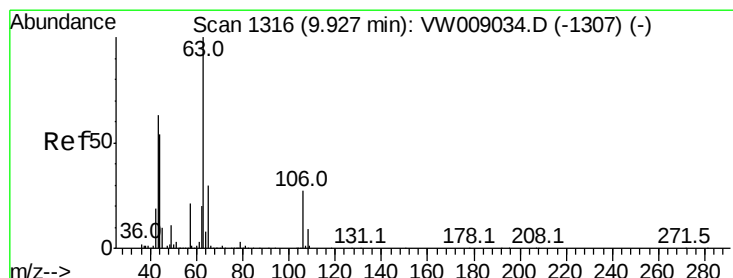
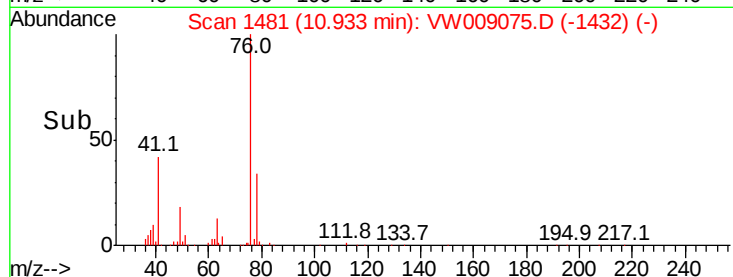
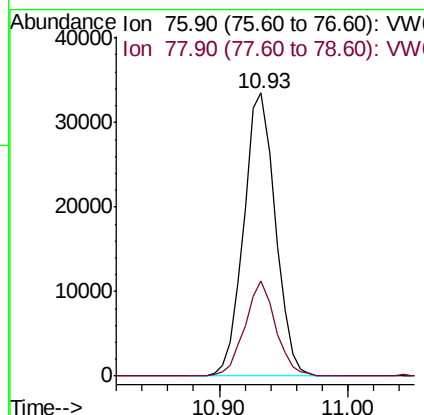
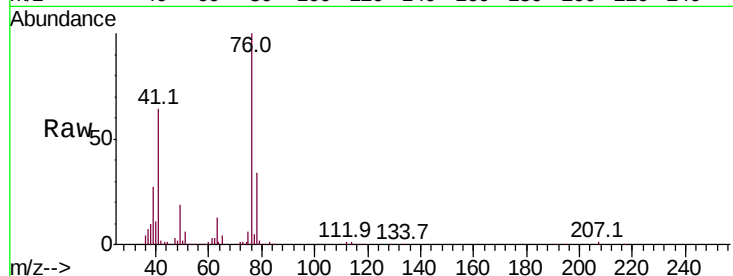
#57
 1,3-Dichloropropane
 Concen: 46.085 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.7	38.5

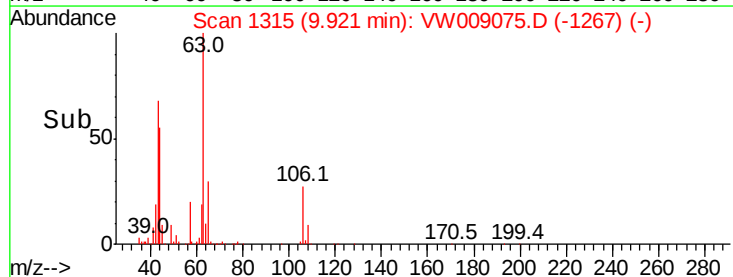
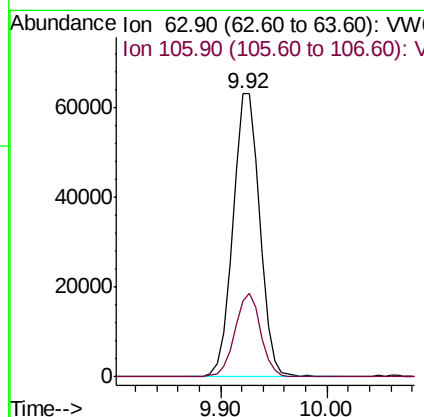
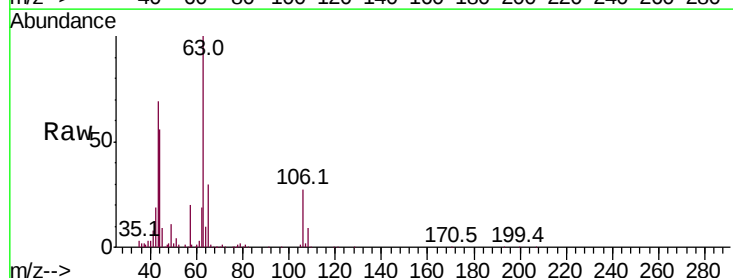
Manual Integrations
 APPROVED

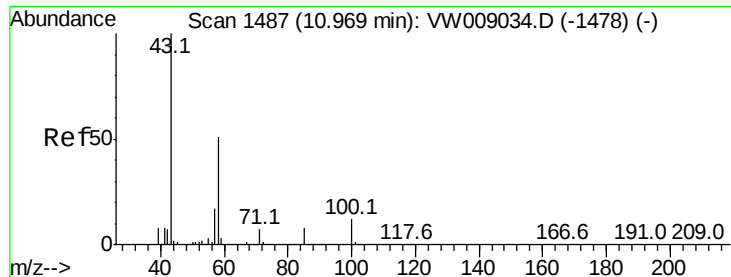
MMDadoda
 3/11/2019 2:53:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.167 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6





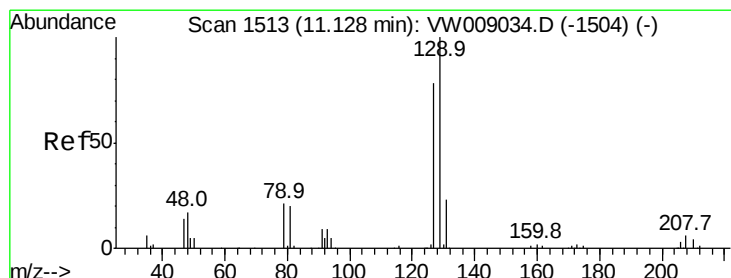
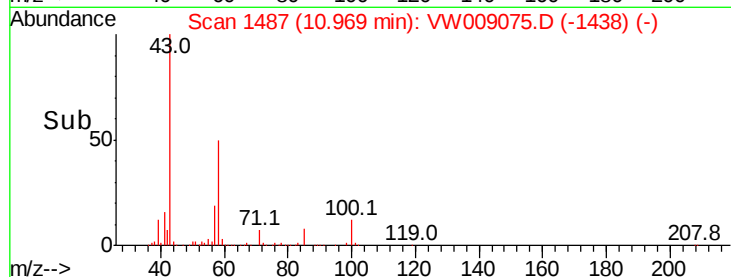
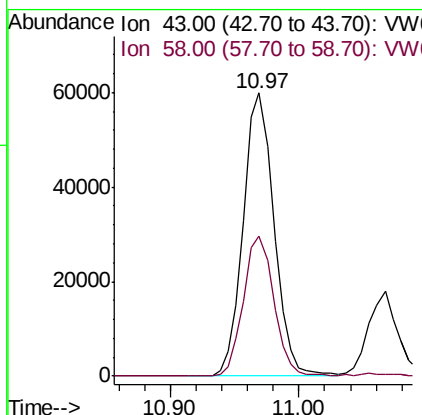
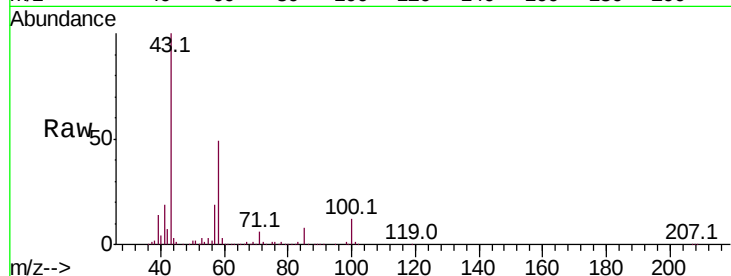
#59
2-Hexanone
Concen: 224.892 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion: 43 Resp: 98707
Ion Ratio Lower Upper
43 100
58 49.3 25.3 75.9

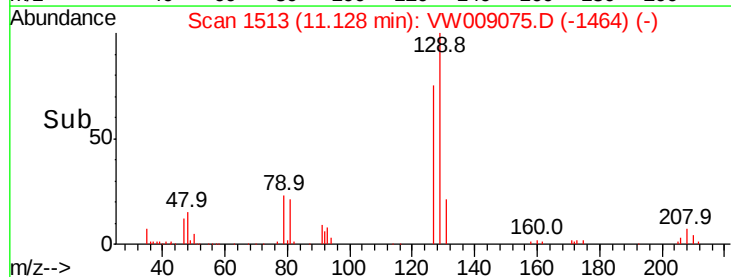
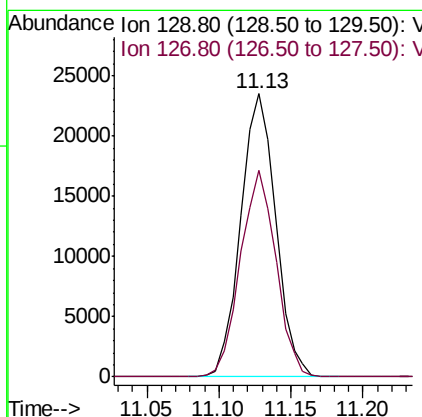
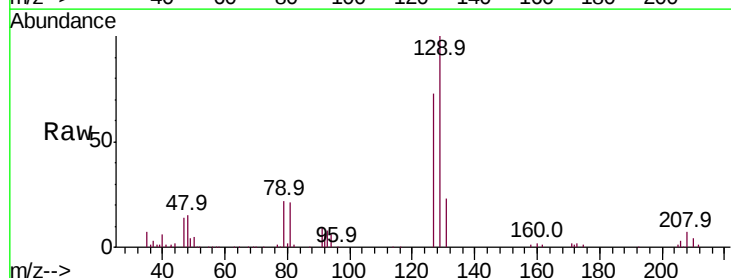
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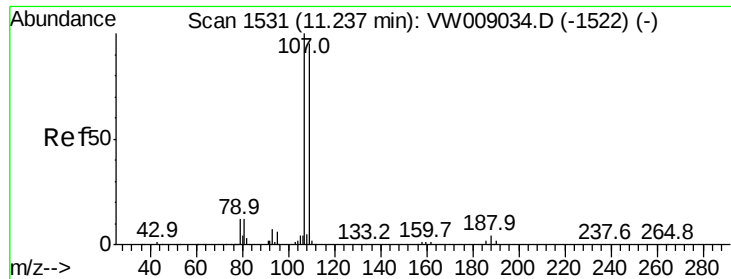
MMDadoda
3/11/2019 2:53:40 PM



#60
Dibromochloromethane
Concen: 46.093 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion:129 Resp: 39681
Ion Ratio Lower Upper
129 100
127 73.9 38.4 115.1





#61

1,2-Dibromoethane

Concen: 47.575 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion:107 Resp: 32444

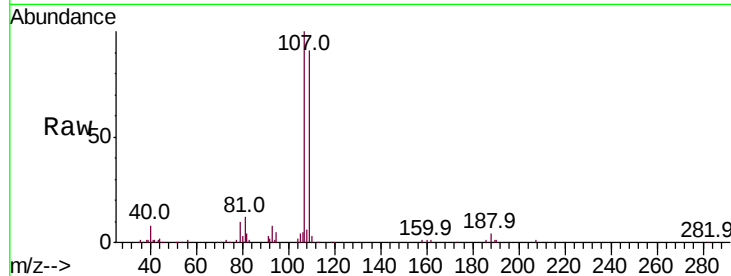
Ion Ratio Lower Upper

107 100

109 93.1 74.7 112.1

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3/11/2019 2:53:40 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

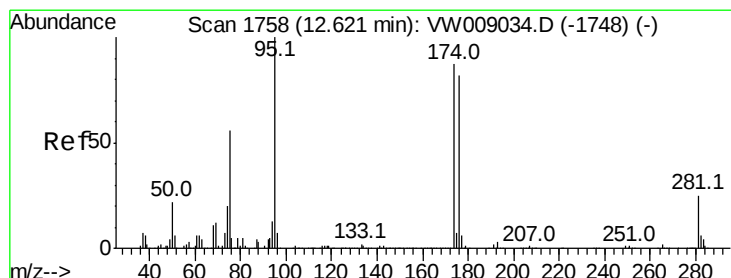
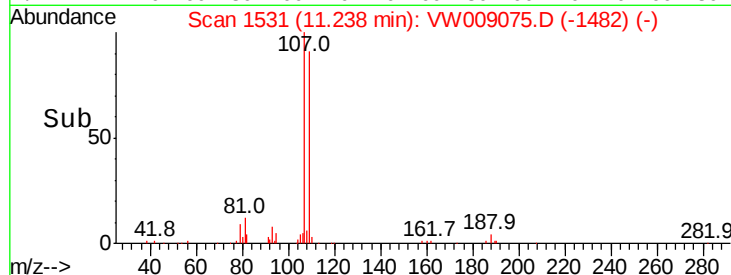
20000

15000

10000

5000

Time-->



#62

4-Bromofluorobenzene

Concen: 42.434 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

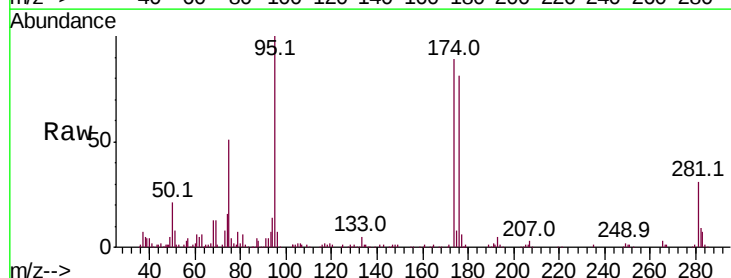
Tgt Ion: 95 Resp: 55530

Ion Ratio Lower Upper

95 100

174 86.0 0.0 167.0

176 82.4 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

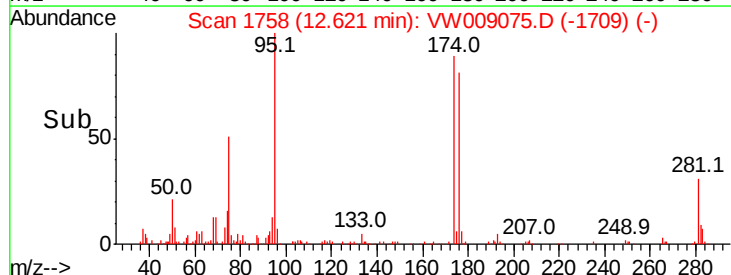
40000

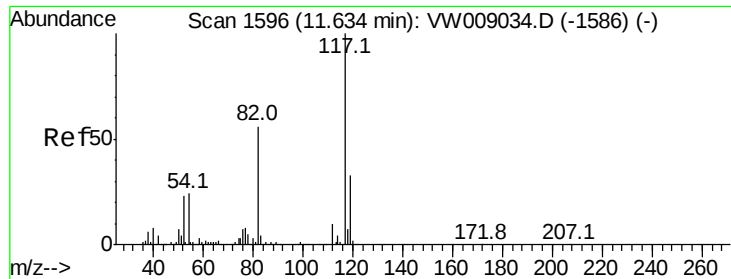
30000

20000

10000

Time-->





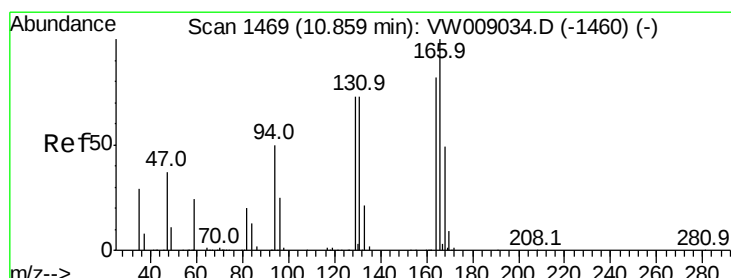
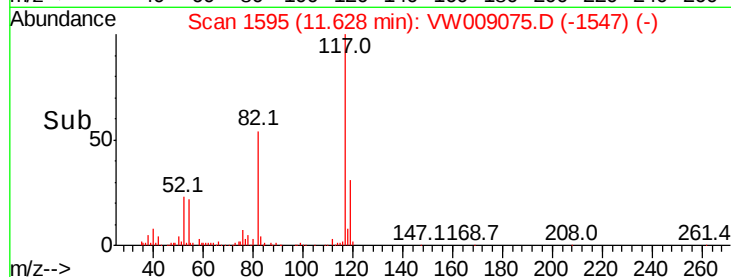
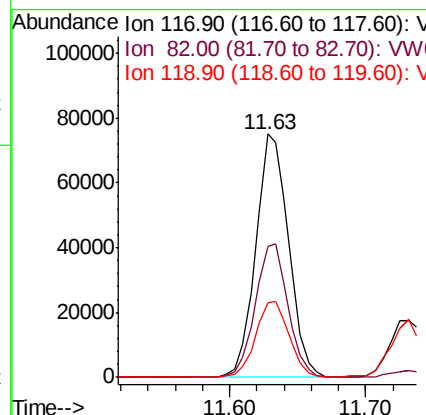
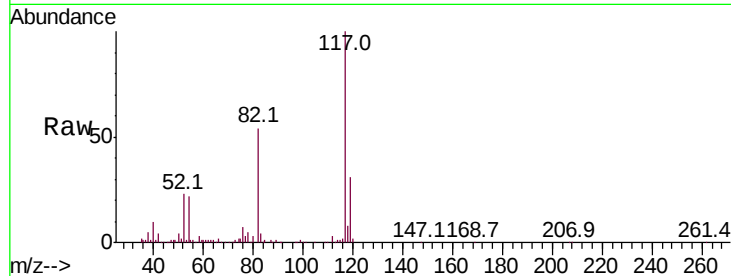
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.0	67.6
119	30.5	26.6	39.8

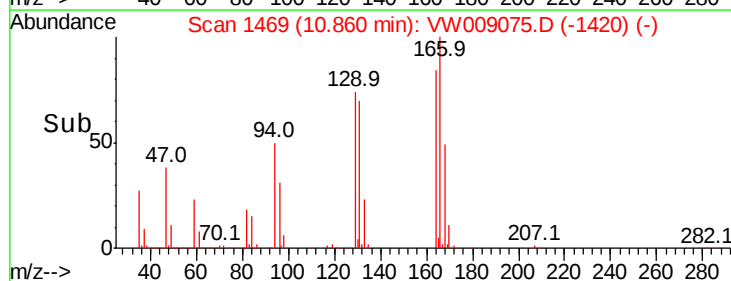
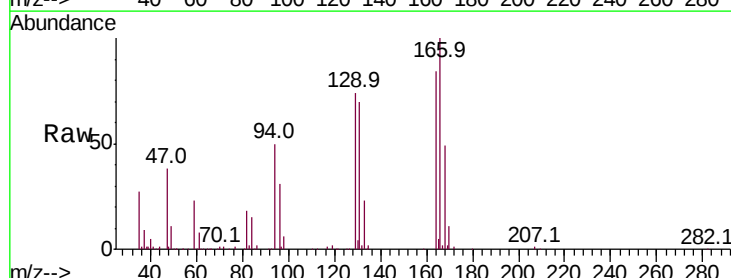
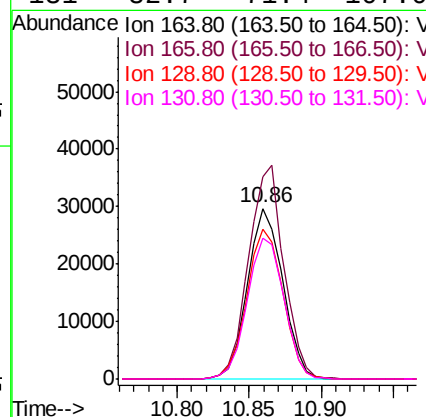
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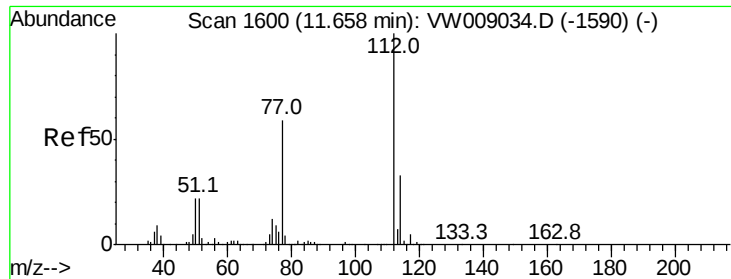
MMDadoda
3/11/2019 2:53:40 PM



#64
Tetrachloroethene
Concen: 55.114 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.7	97.8	146.6
129	87.7	71.6	107.4
131	82.7	71.4	107.0





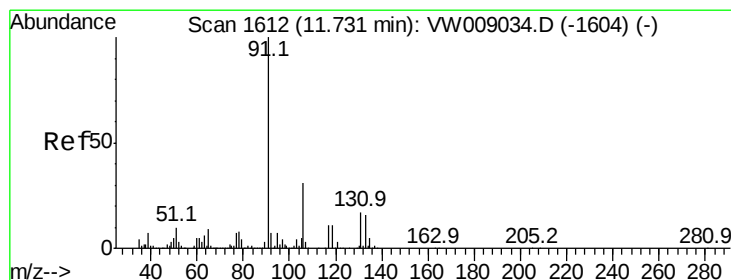
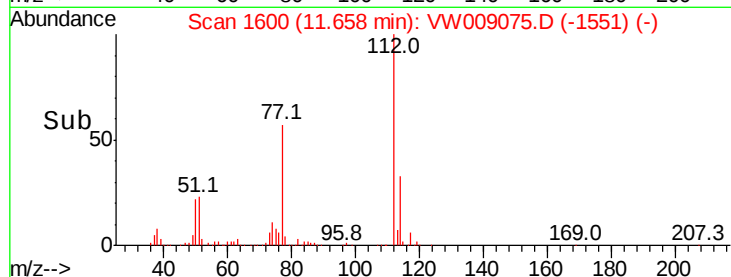
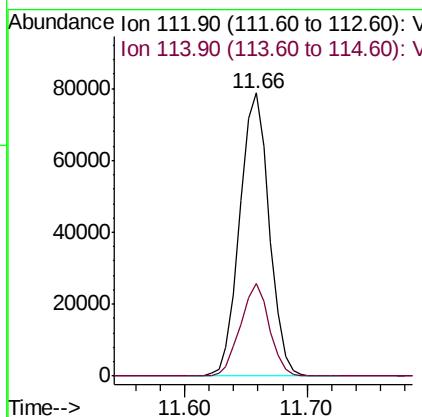
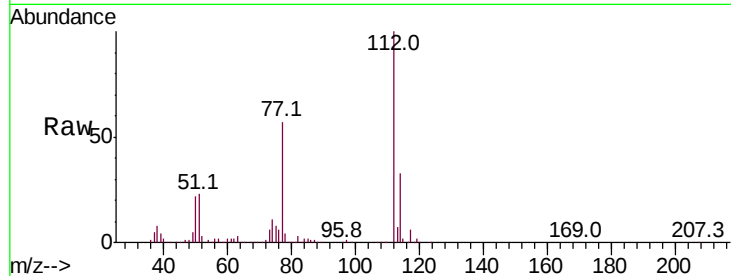
#65
Chlorobenzene
Concen: 47.755 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.6	40.0

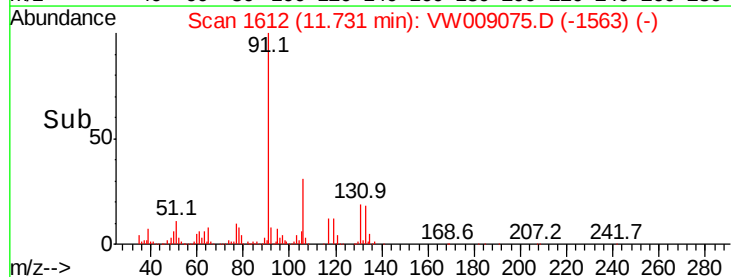
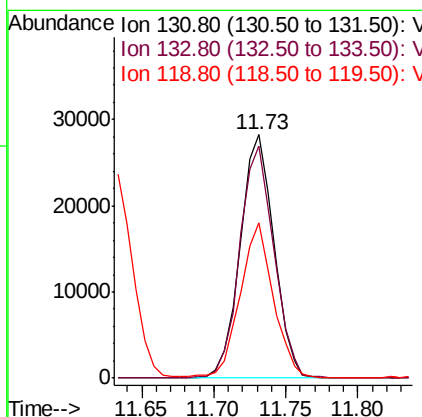
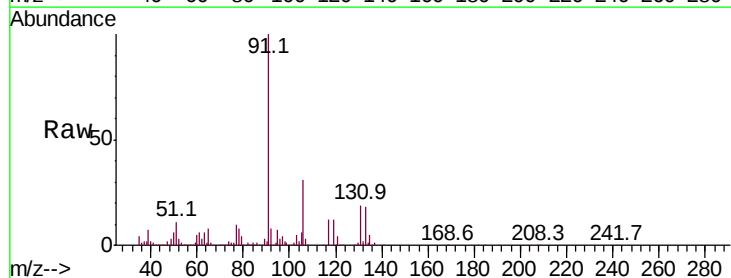
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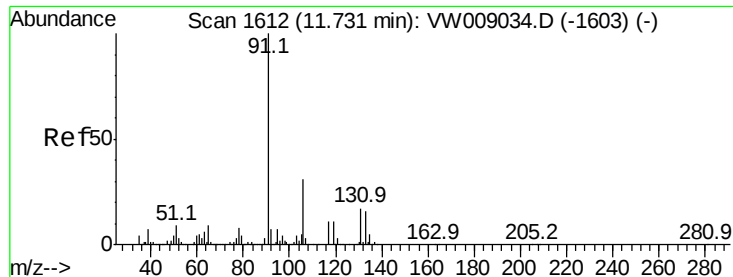
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.757 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.6	142.8
119	63.0	31.3	93.8





#67

Ethyl Benzene

Concen: 46.593 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion: 91 Resp: 232087

Ion Ratio Lower Upper

91 100

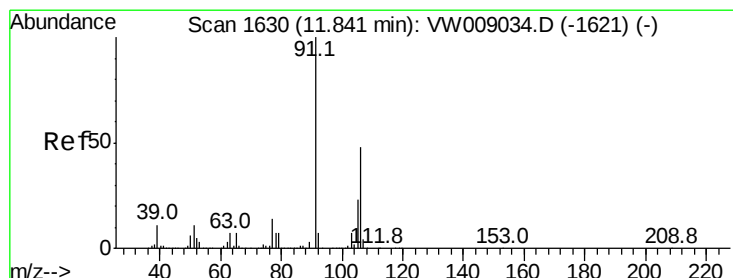
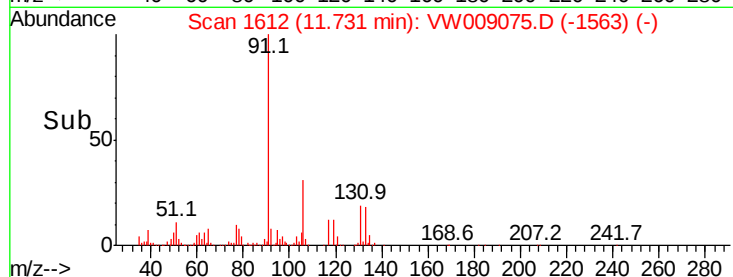
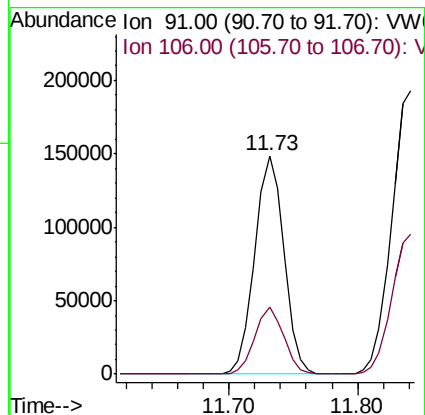
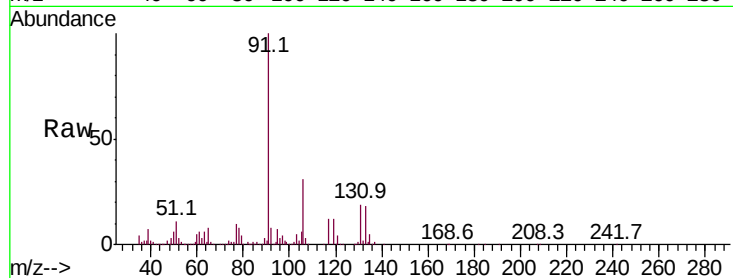
106 30.9 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 92.616 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009075.D

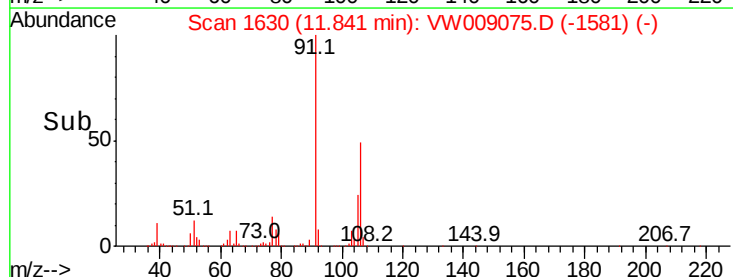
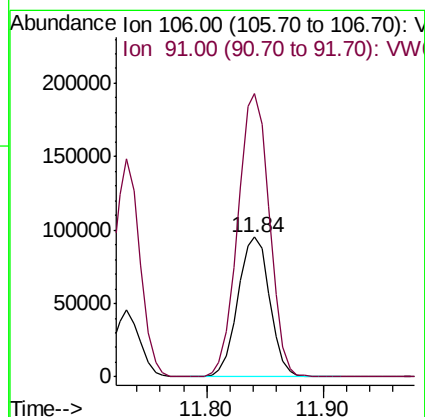
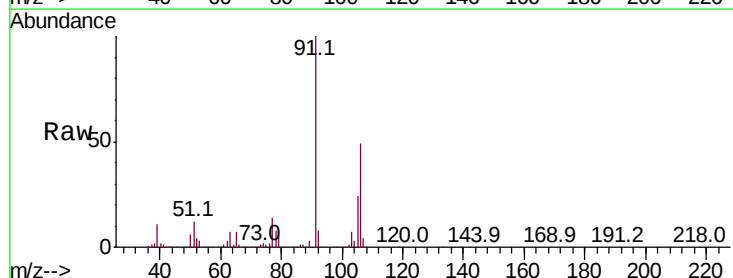
Acq: 09 Mar 2019 00:24

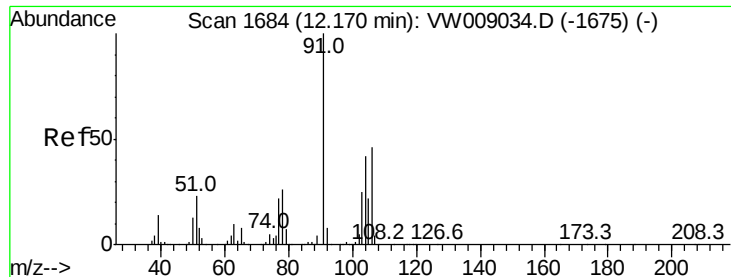
Tgt Ion: 106 Resp: 182097

Ion Ratio Lower Upper

106 100

91 200.6 163.2 244.8





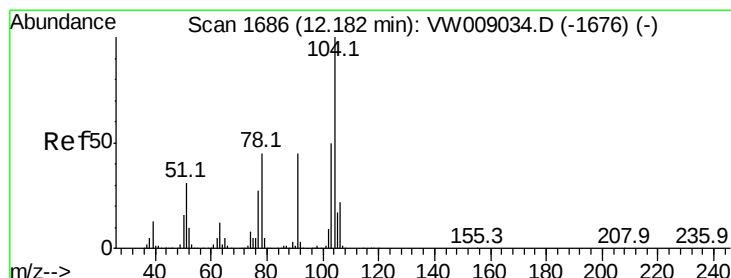
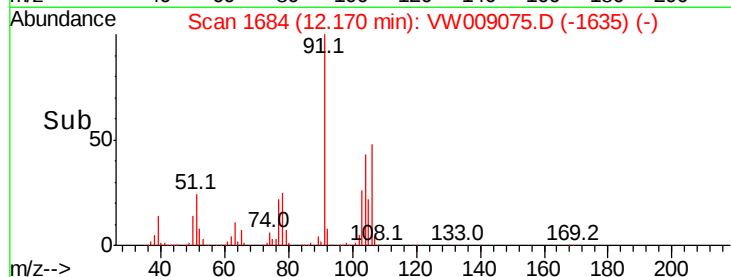
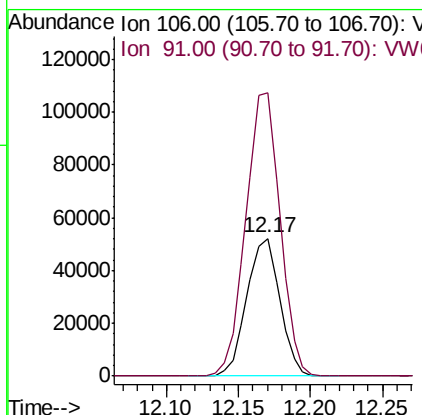
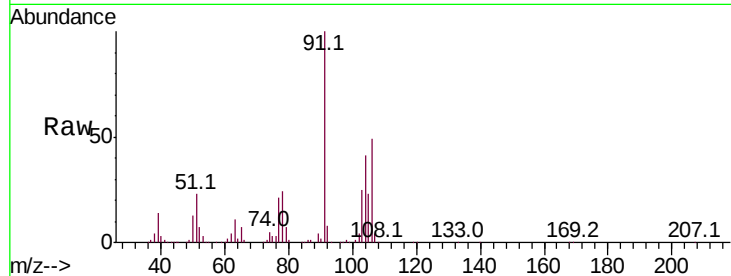
#69
o-Xylene
Concen: 45.426 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion:106 Resp: 83103
Ion Ratio Lower Upper
106 100
91 213.3 108.6 325.6

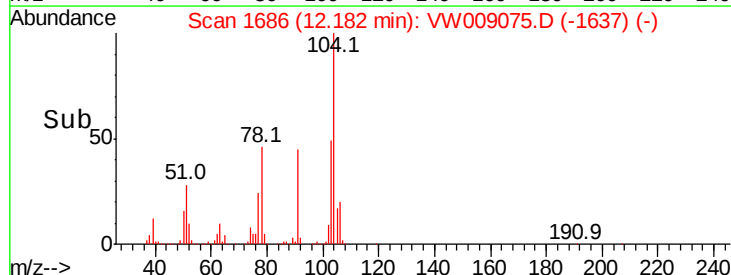
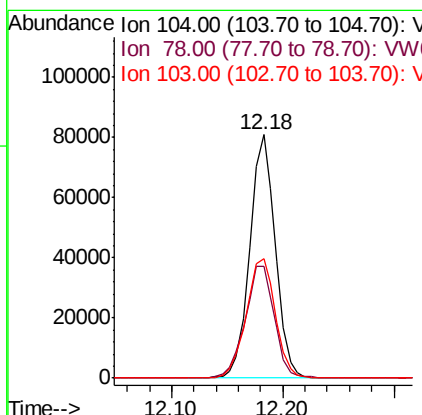
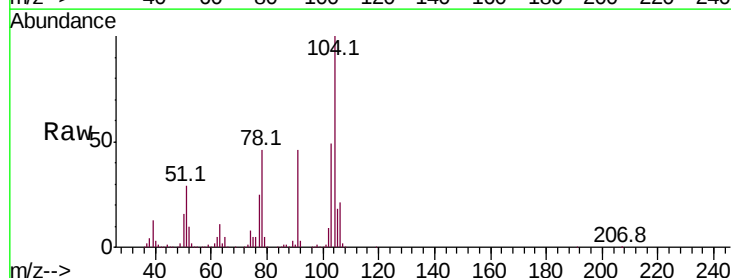
Manual Integrations
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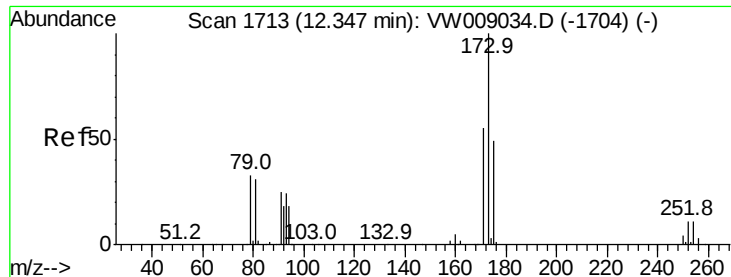
MMDadoda
3/11/2019 2:53:40 PM



#70
Styrene
Concen: 43.519 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion:104 Resp: 128813
Ion Ratio Lower Upper
104 100
78 52.9 42.1 63.1
103 55.6 43.9 65.9





#71

Bromoform

Concen: 46.887 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion:173 Resp: 23178

Ion Ratio Lower Upper

173 100

175 49.1 24.6 74.0

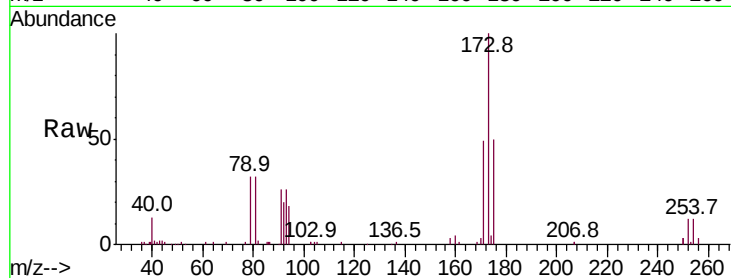
254 0.1 0.0 0.0#

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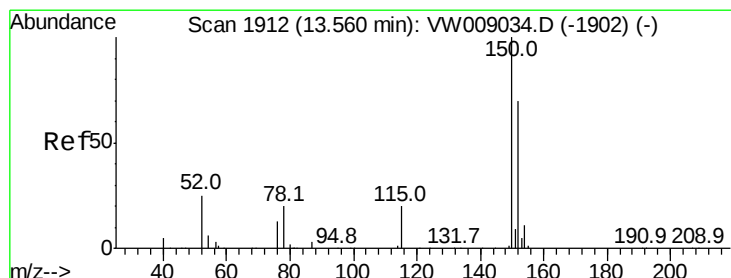
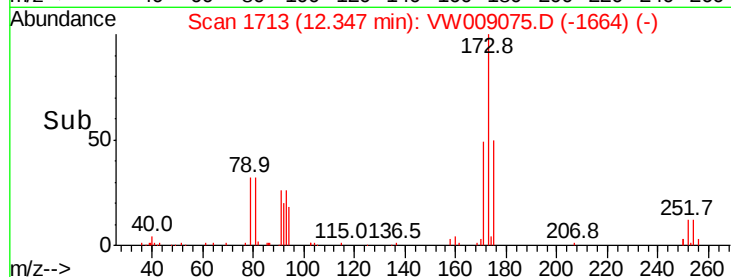
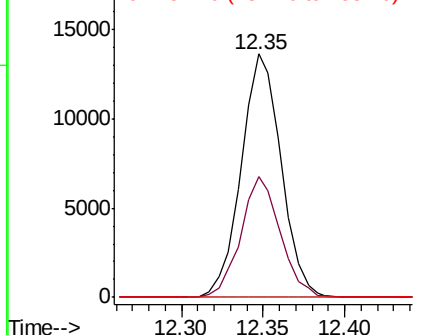
3/11/2019 2:53:40 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

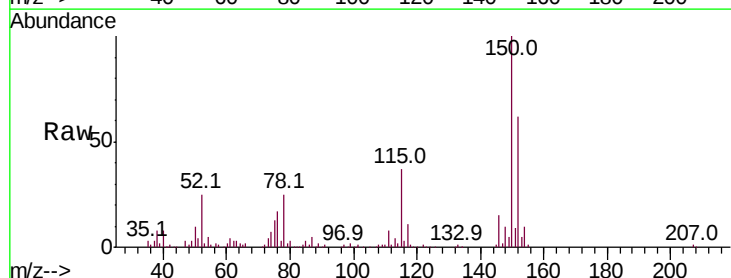
Tgt Ion:152 Resp: 63102

Ion Ratio Lower Upper

152 100

115 58.9 28.9 86.7

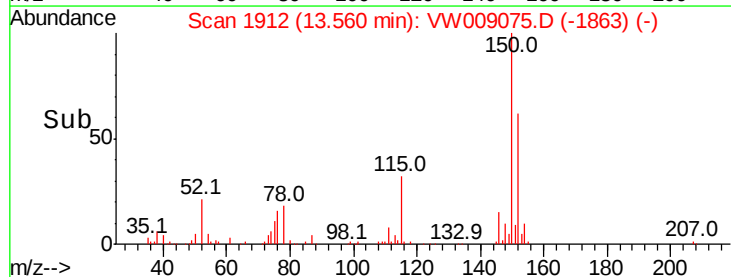
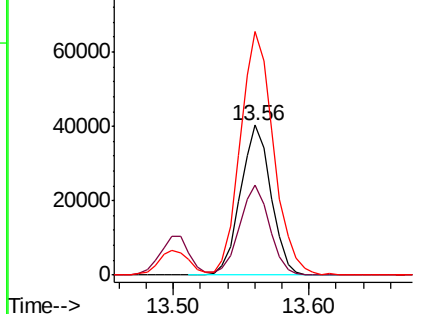
150 176.7 0.0 349.2

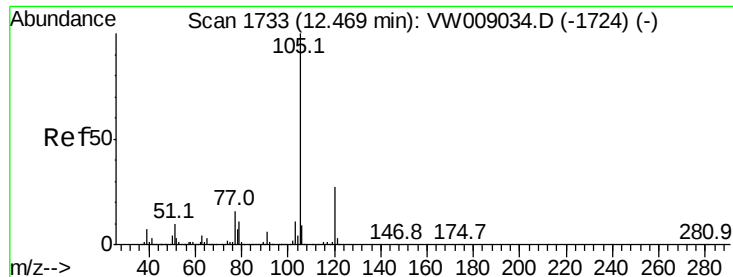


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.951 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion:105 Resp: 234758

Ion Ratio Lower Upper

105 100

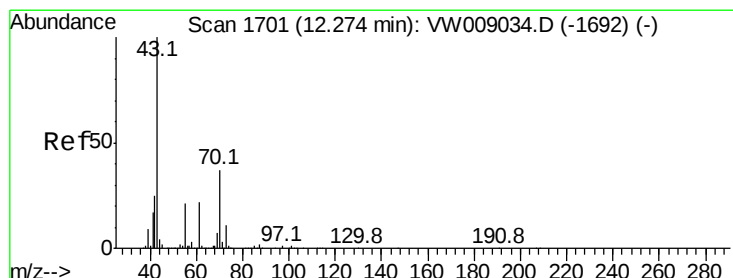
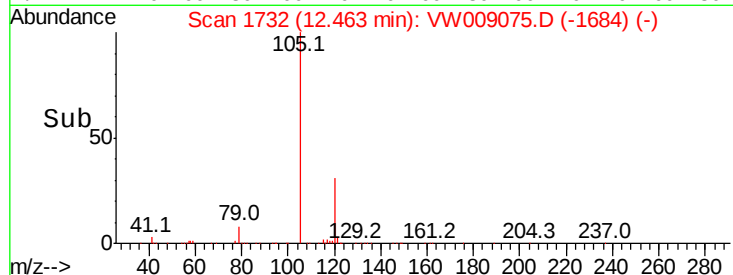
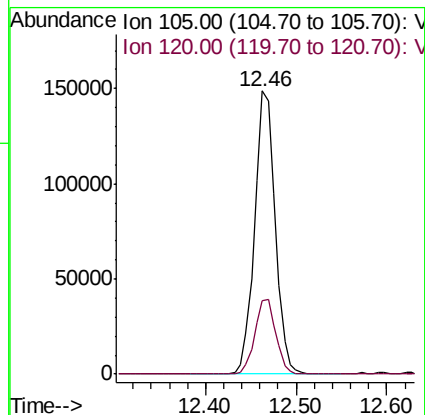
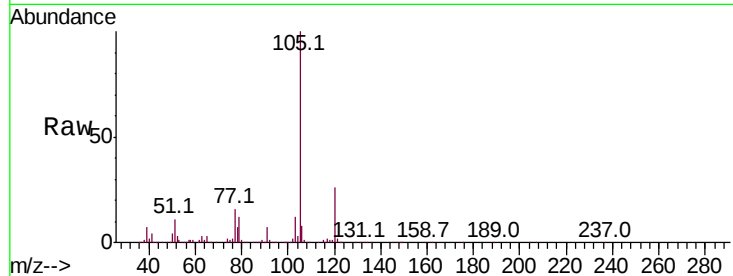
120 26.9 13.2 39.6

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#74

N-ethyl acetate

Concen: 25.345 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Tgt Ion: 43 Resp: 27113

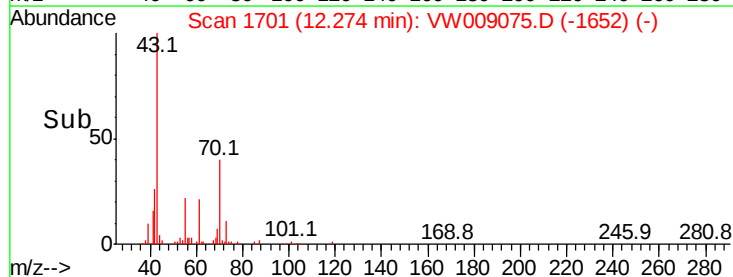
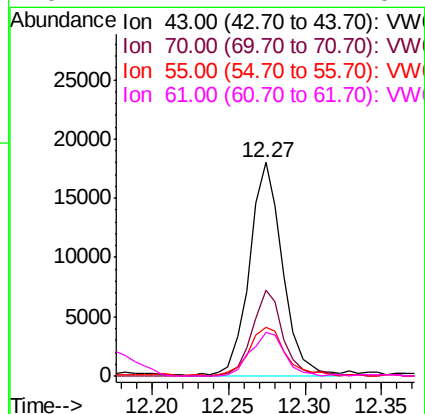
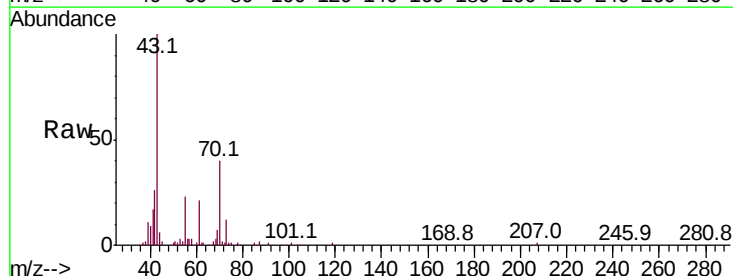
Ion Ratio Lower Upper

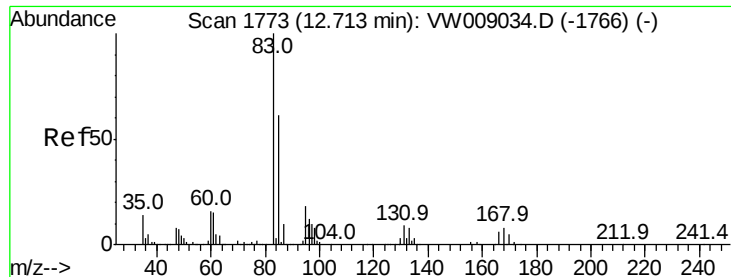
43 100

70 38.0 30.8 46.2

55 25.5 17.8 26.8

61 21.1 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 56.519 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

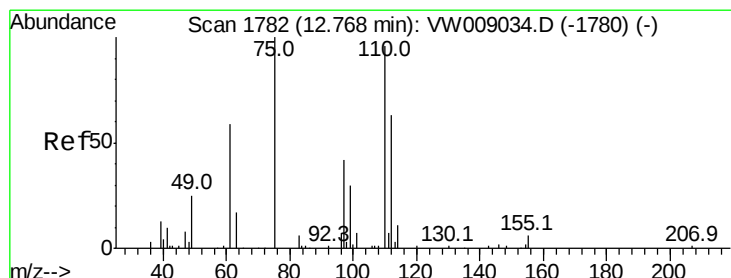
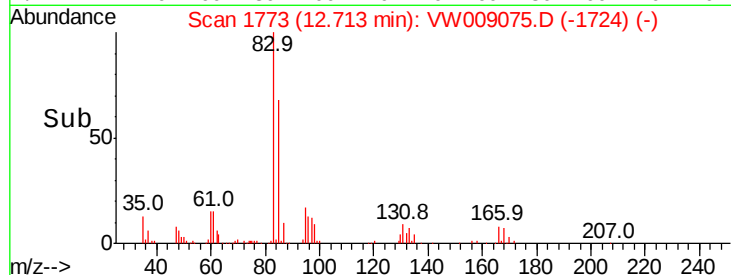
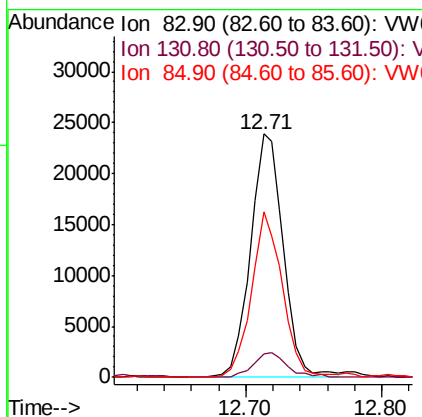
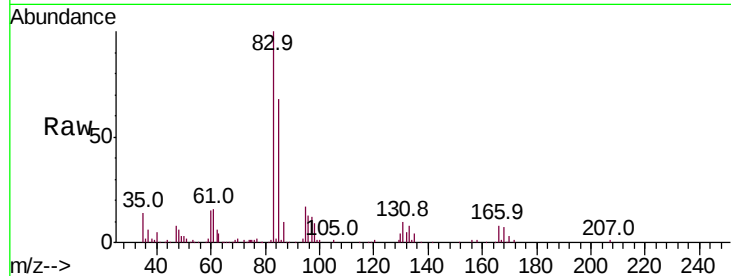
ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion:	83	Resp:	40287
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.5	16.7
85	63.9	31.7	95.1

Manual Integrations
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3/11/2019 2:53:40 PM



#76

1,2,3-Trichloropropane

Concen: 55.969 ug/l m

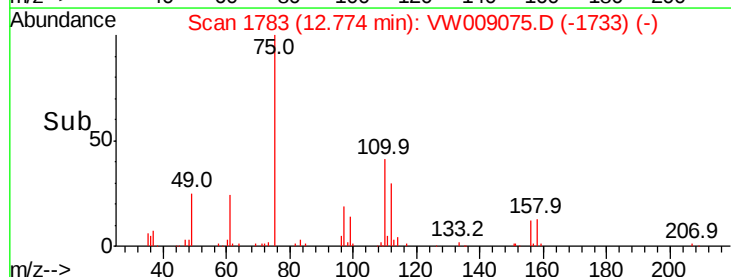
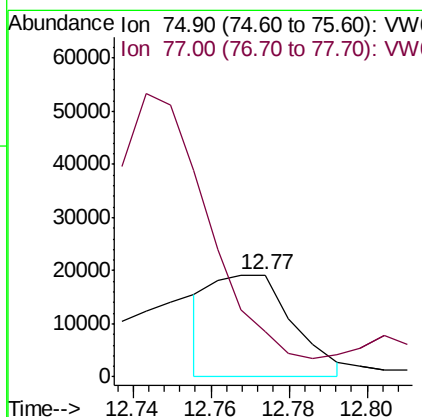
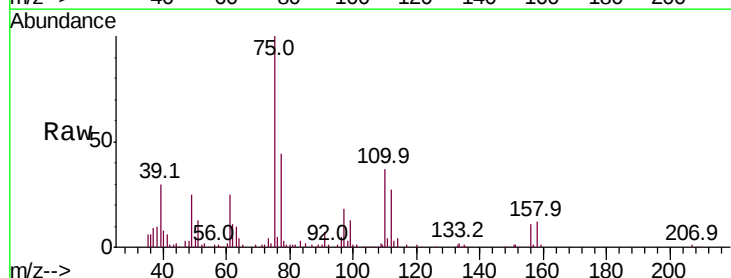
RT: 12.77 min Scan# 1783

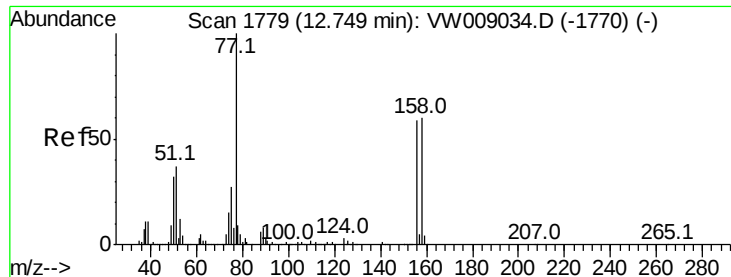
Delta R.T. 0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Tgt Ion:	75	Resp:	27904
Ion	Ratio	Lower	Upper
75	100		
77	0.0	186.7	560.0#





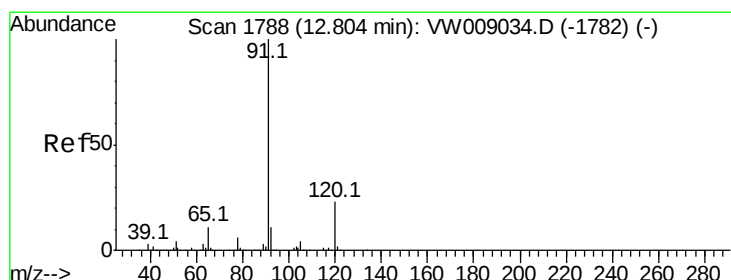
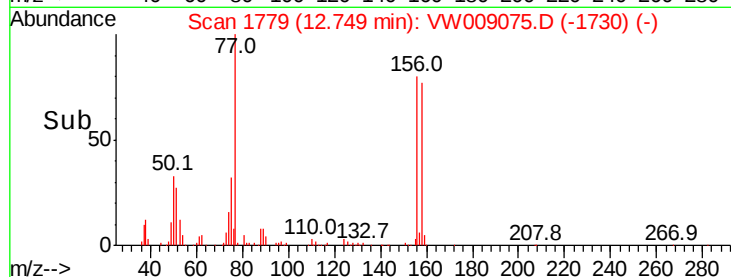
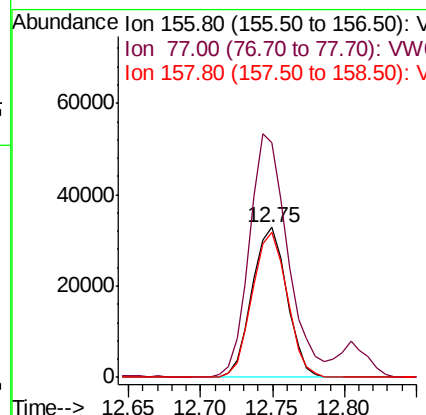
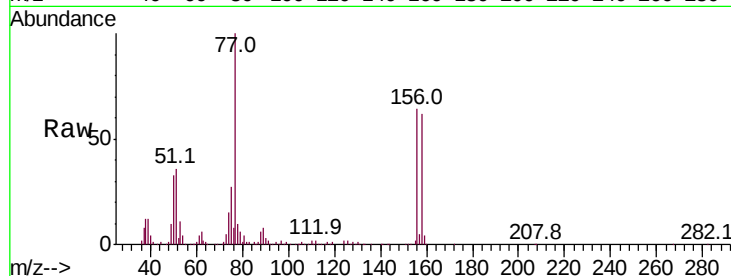
#77
Bromobenzene
Concen: 53.188 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.1	93.0	279.2
158	97.2	50.0	149.8

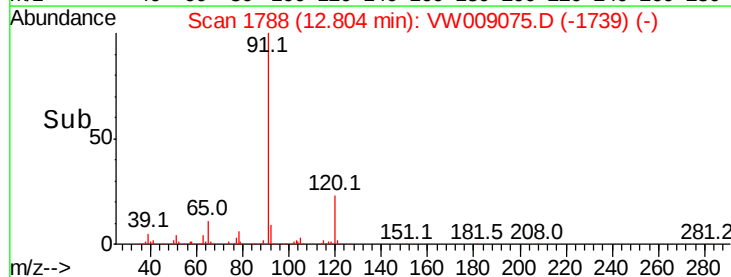
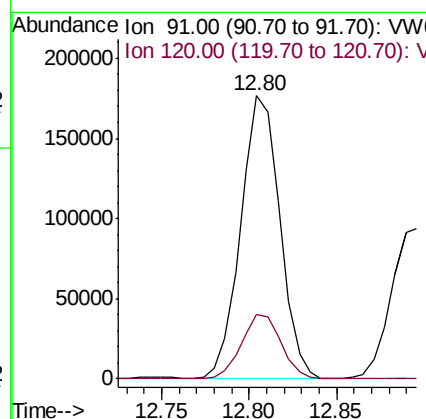
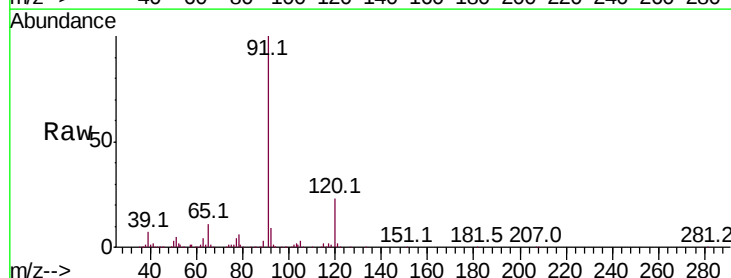
Manual Integrations
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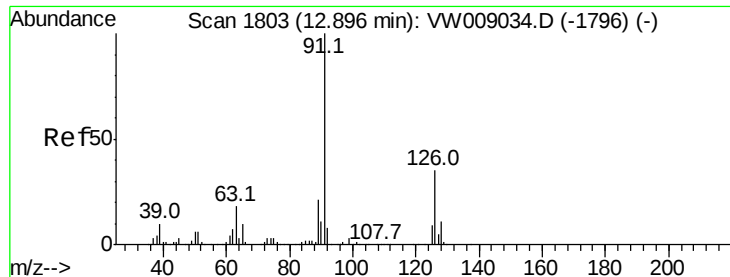
MMDadoda
3/11/2019 2:53:40 PM



#78
n-propylbenzene
Concen: 49.304 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.4	34.2





#79

2-Chlorotoluene

Concen: 49.183 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion: 91 Resp: 153807

Ion Ratio Lower Upper

91 100

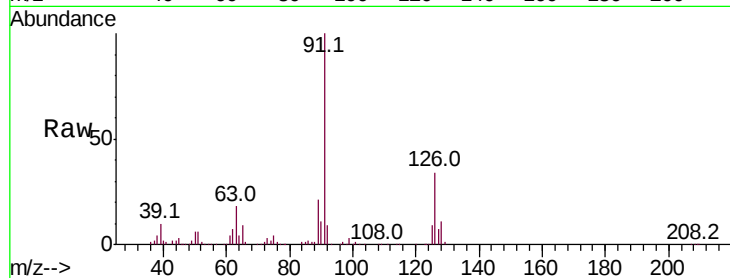
126 34.6 16.8 50.4

Manual Integrations

APPROVED

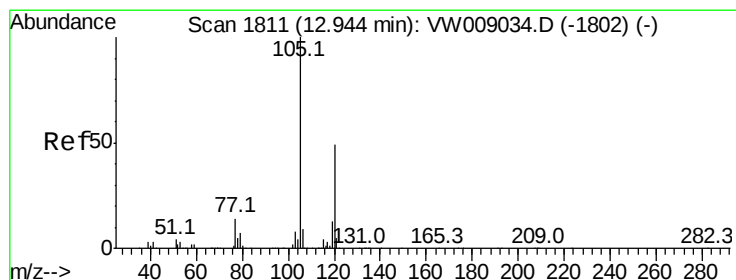
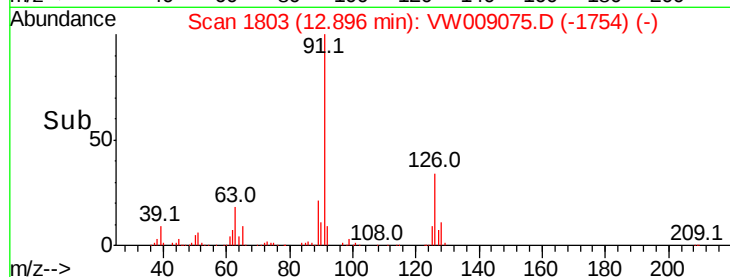
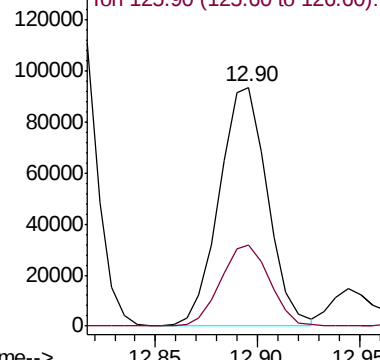
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.432 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009075.D

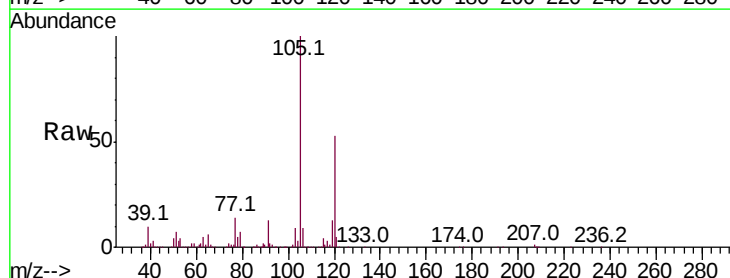
Acq: 09 Mar 2019 00:24

Tgt Ion: 105 Resp: 180861

Ion Ratio Lower Upper

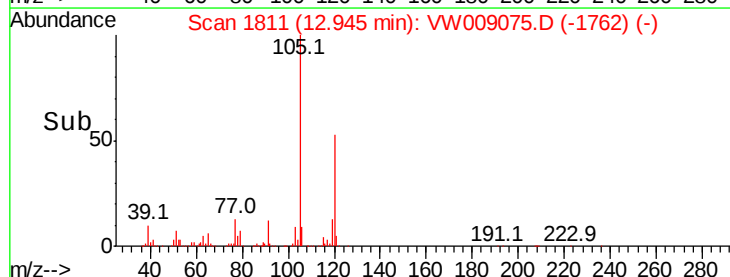
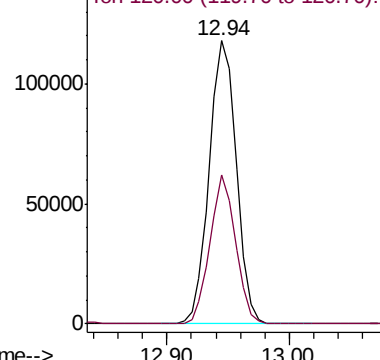
105 100

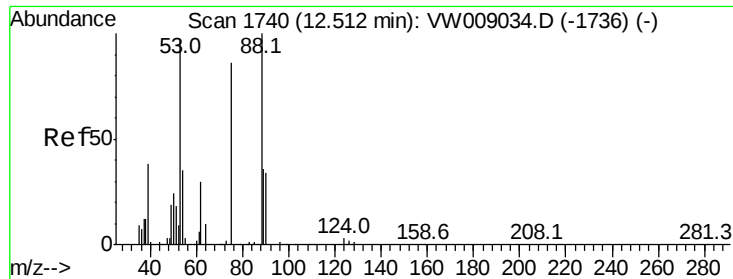
120 49.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





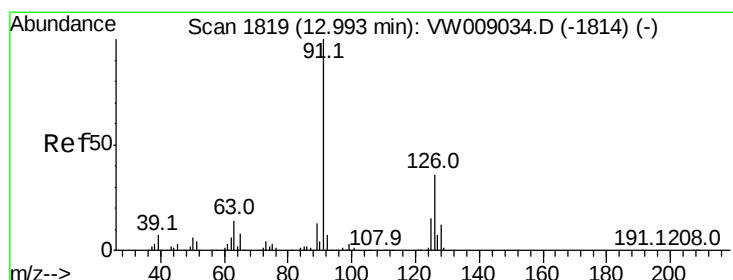
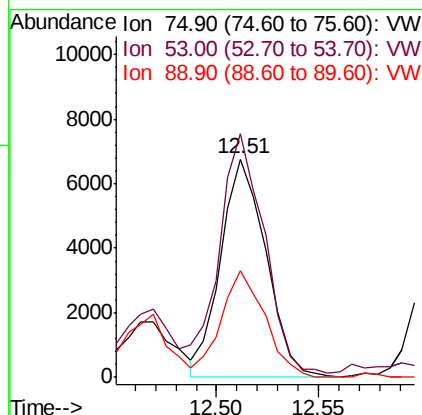
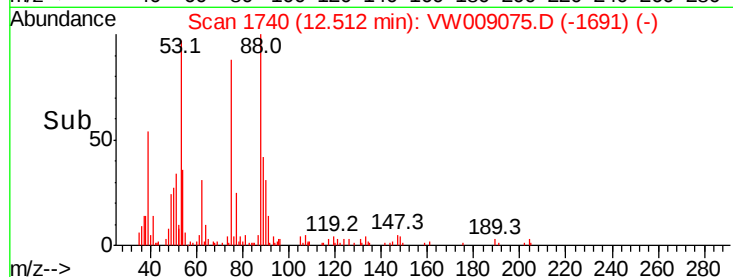
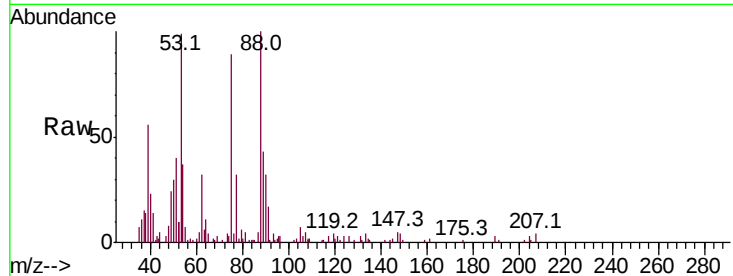
#81
trans-1,4-Dichloro-2-butene
Concen: 46.748 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.4	90.5	135.7
89	47.6	37.5	56.3

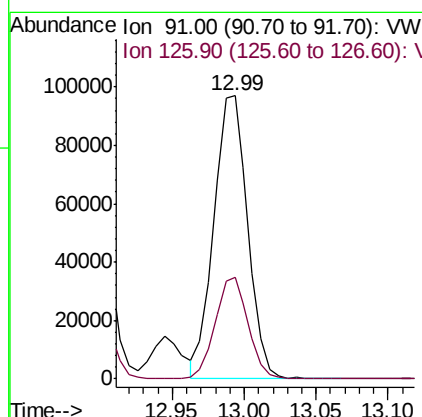
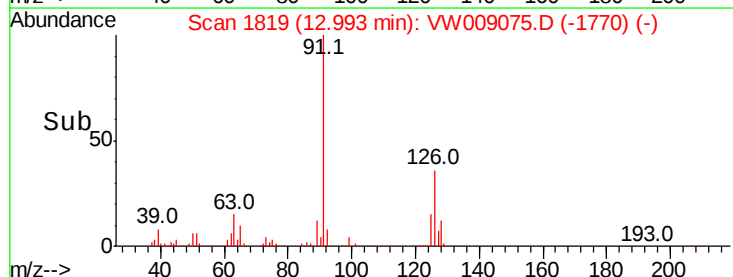
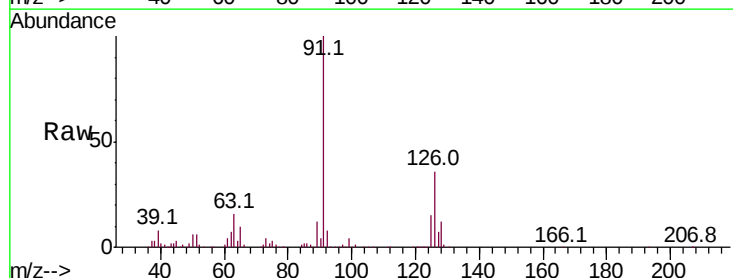
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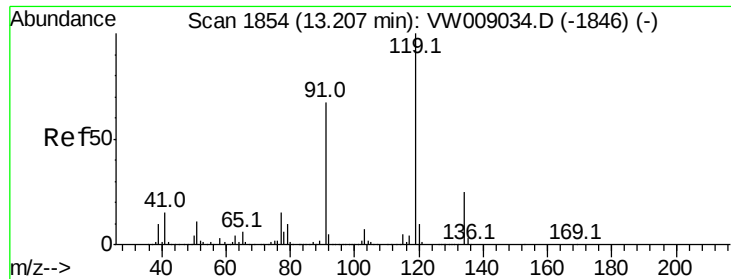
MMDadoda
3/11/2019 2:53:40 PM



#82
4-Chlorotoluene
Concen: 47.560 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.6	49.8





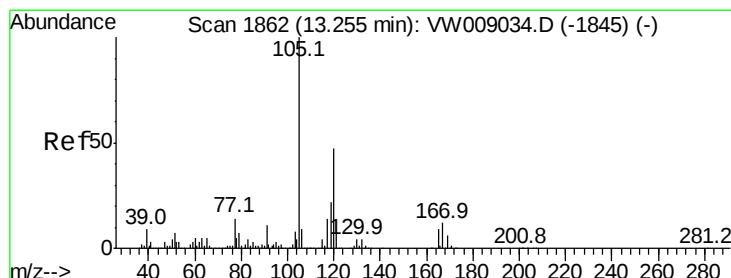
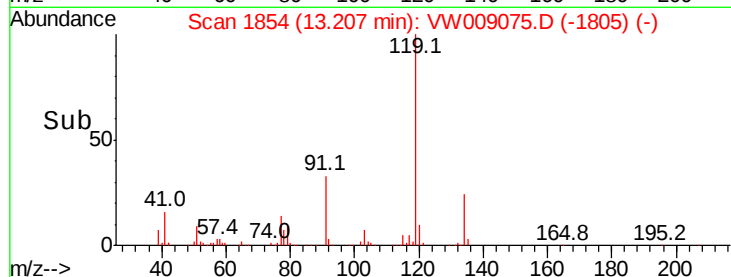
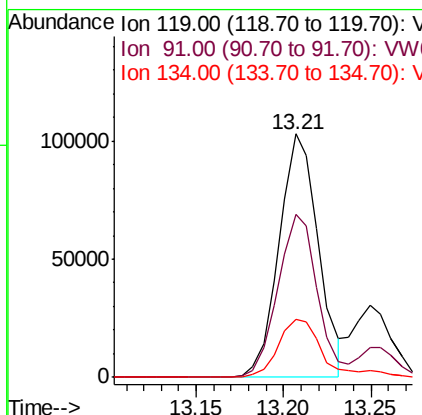
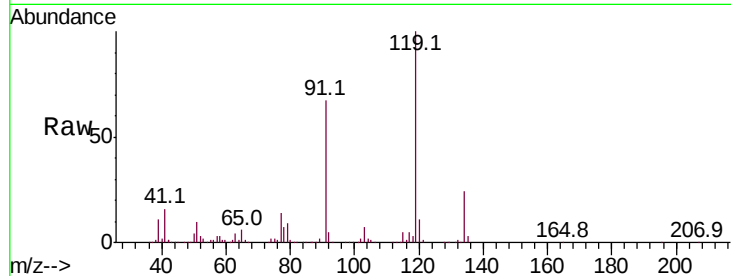
#83
tert-Butylbenzene
Concen: 49.123 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	34.2	102.5
134	27.4	13.9	41.6

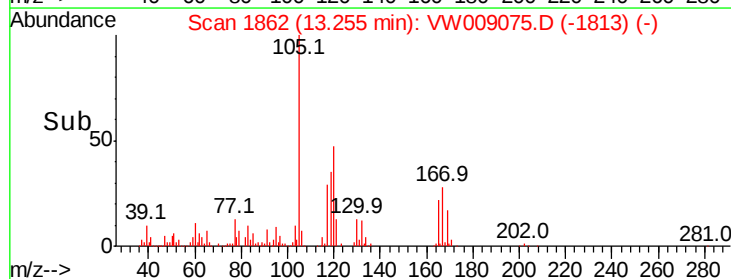
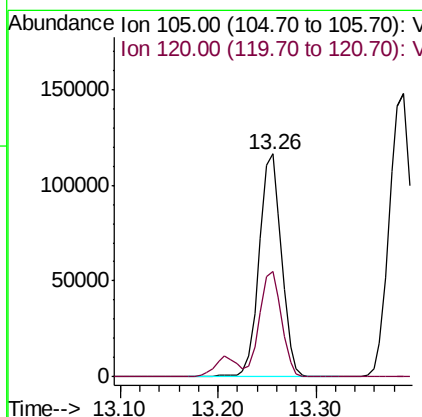
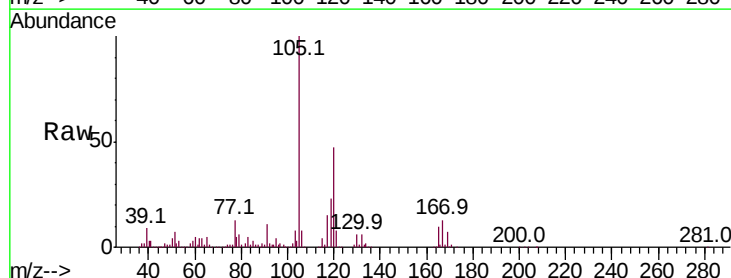
Manual Integrations
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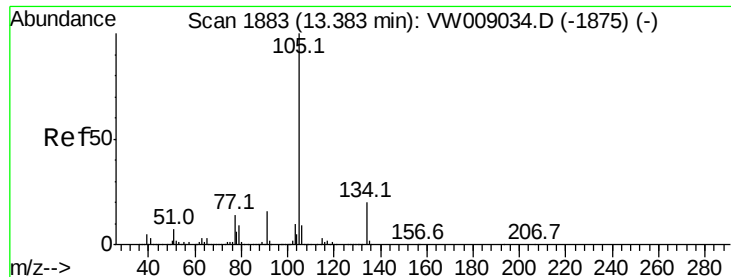
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 46.719 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.8	68.4





#85

sec-Butylbenzene

Concen: 47.561 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion:105 Resp: 231492

Ion Ratio Lower Upper

105 100

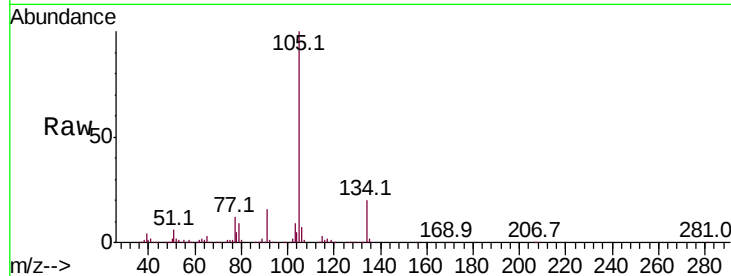
134 20.2 10.0 30.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

100000

50000

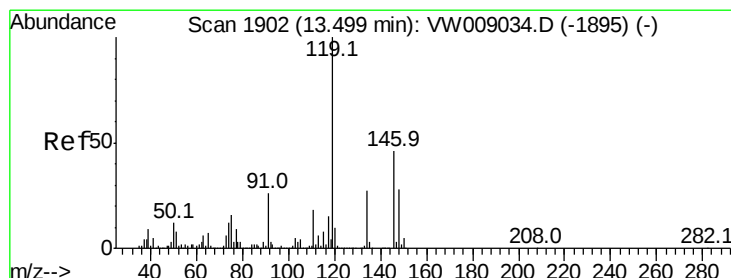
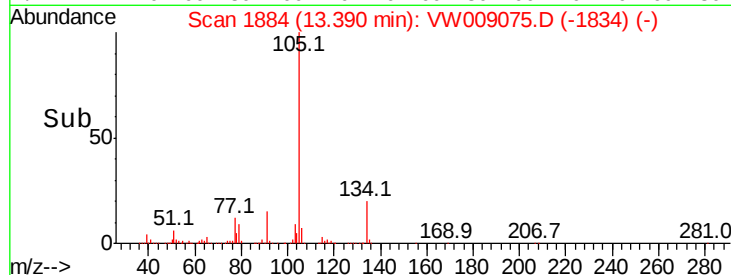
0

13.39

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 44.730 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

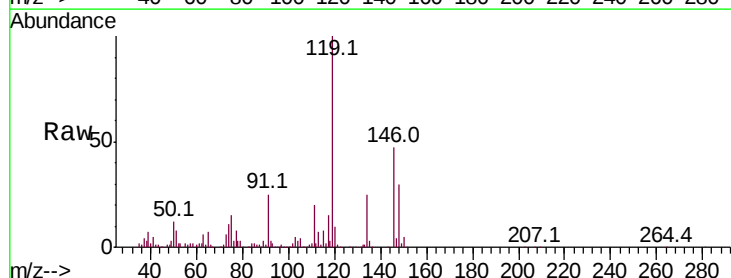
Tgt Ion:119 Resp: 194763

Ion Ratio Lower Upper

119 100

134 25.7 13.3 39.9

91 24.4 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

150000

100000

50000

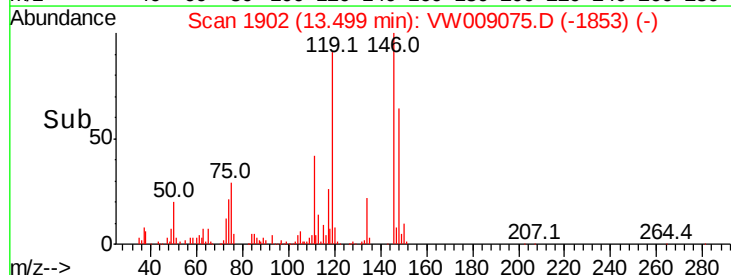
0

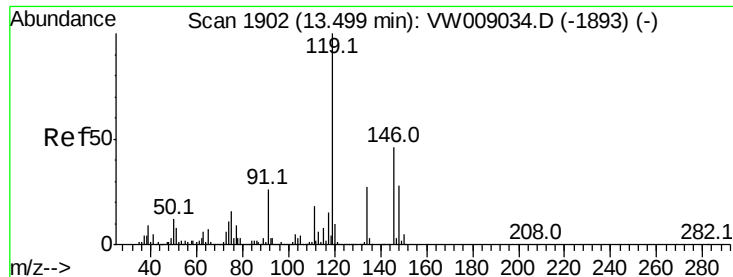
13.50

13.45

13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.419 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

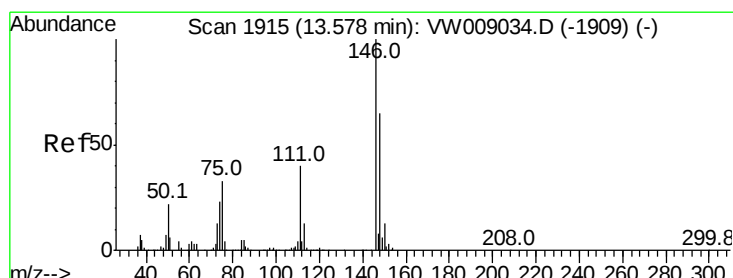
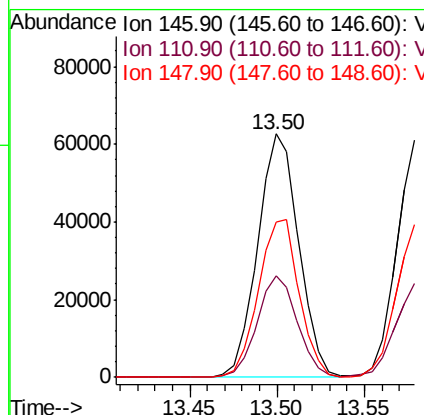
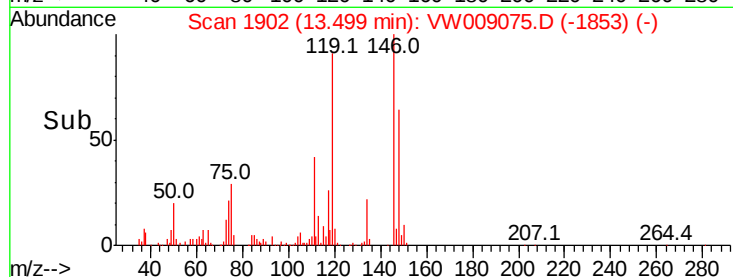
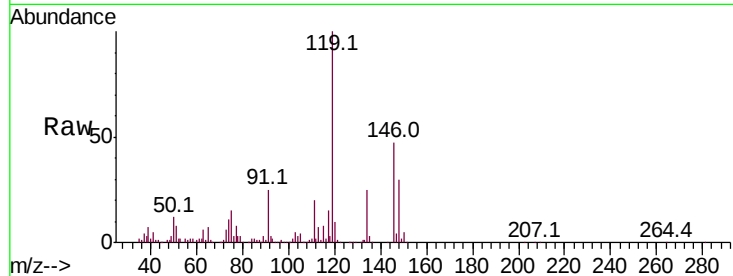
Instrument :
MSVOA_W

ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.8	59.4
148	64.5	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.647 ug/l

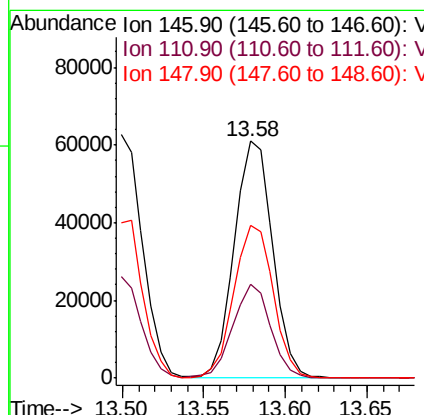
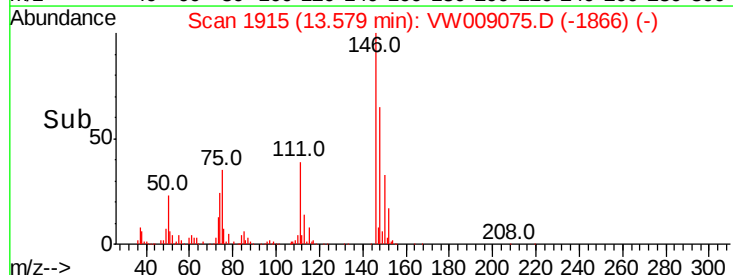
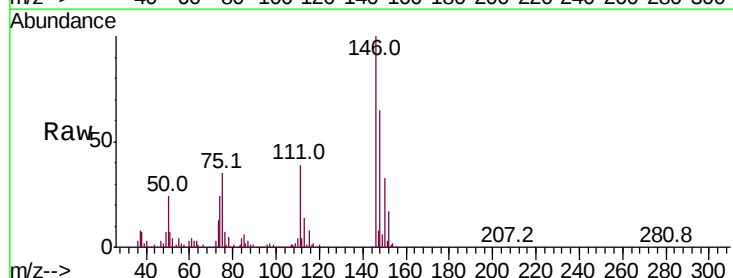
RT: 13.58 min Scan# 1915

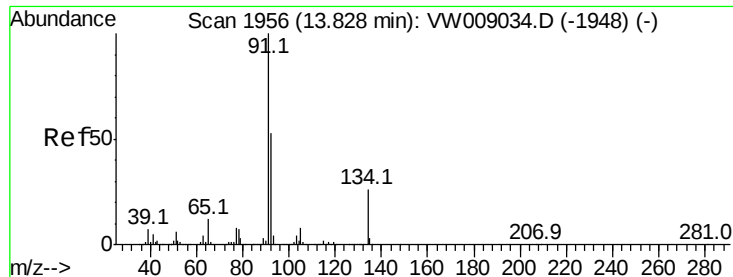
Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	66.3	32.2	96.6





#89

n-Butylbenzene

Concen: 41.373 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Instrument :

MSVOA_W

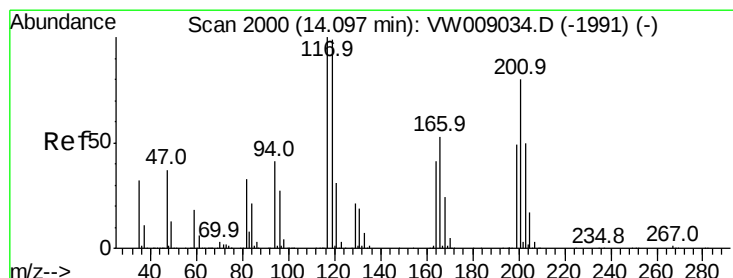
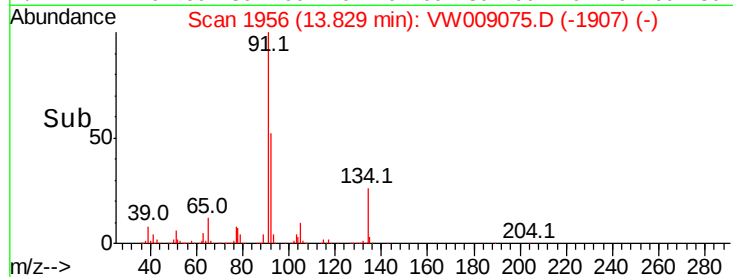
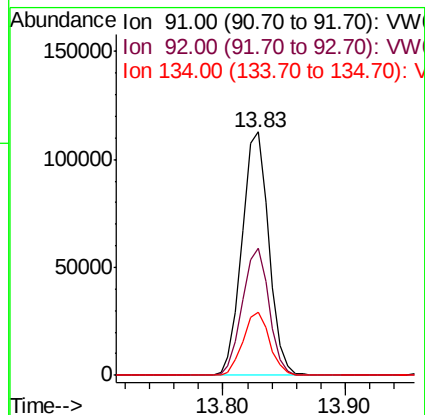
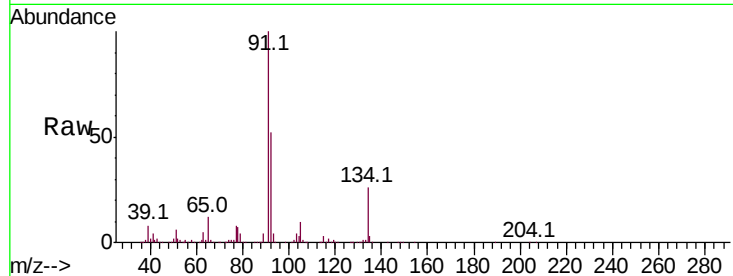
ClientSampleId :

SD2-0.5-1.0MSD

Tot Ion:	91	Resp:	171257
Ion Ratio	Lower	Upper	
91	100		
92	52.0	26.8	80.3
134	25.7	12.9	38.7

Manual Integrations
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#90

Hexachloroethane

Concen: 49.004 ug/l

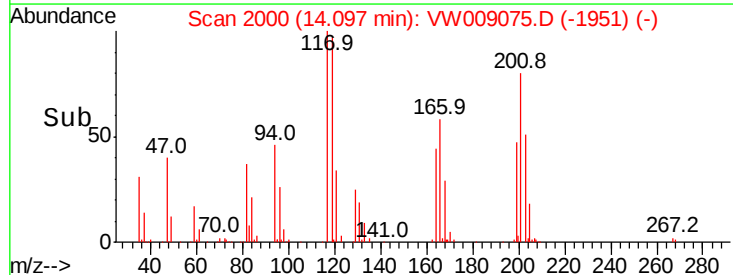
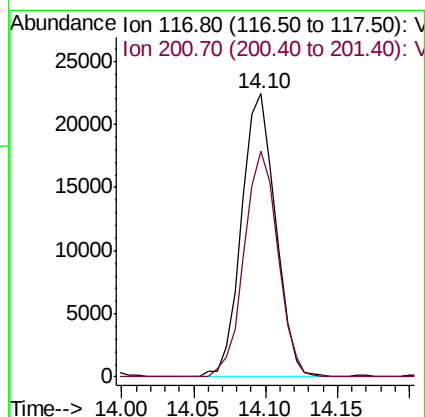
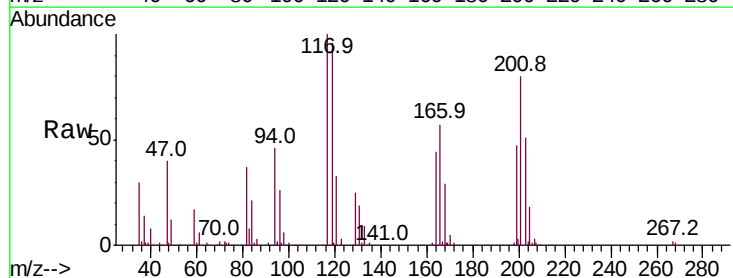
RT: 14.10 min Scan# 2000

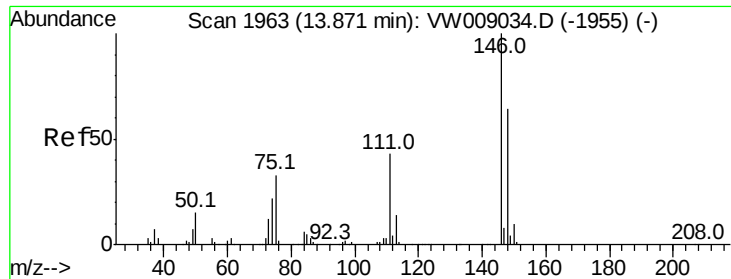
Delta R.T. 0.00 min

Lab File: VW009075.D

Acq: 09 Mar 2019 00:24

Tgt Ion:	117	Resp:	36800
Ion Ratio	Lower	Upper	
117	100		
201	79.1	39.1	117.5





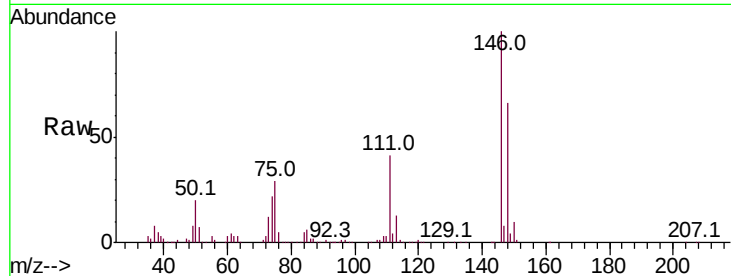
#91
 1,2-Dichlorobenzene
 Concen: 47.928 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.1
148	64.5	32.3	96.9

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 2:53:40 PM

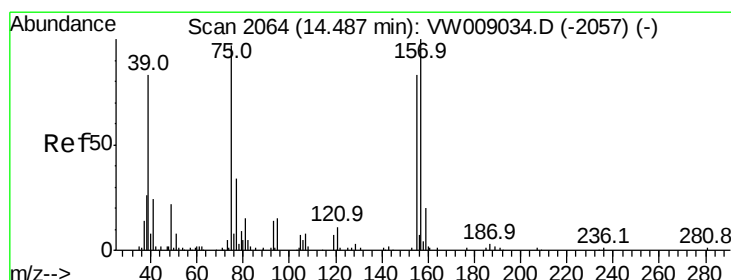
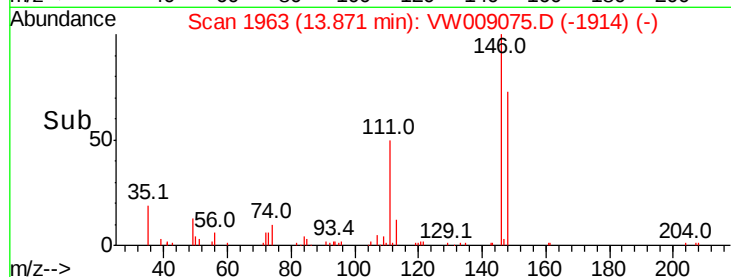
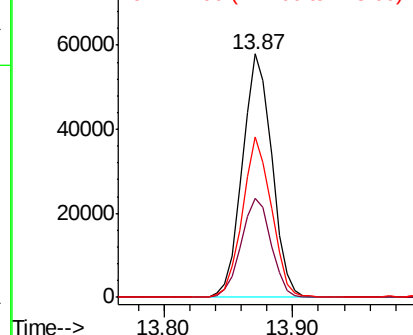


Abundance

Ion 145.90 (145.60 to 146.60): V

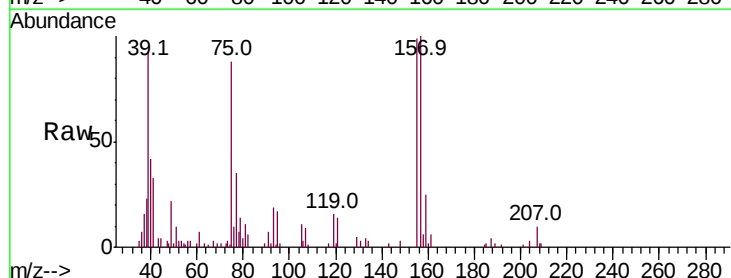
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.130 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	40.8	122.4
157	108.1	52.4	157.3

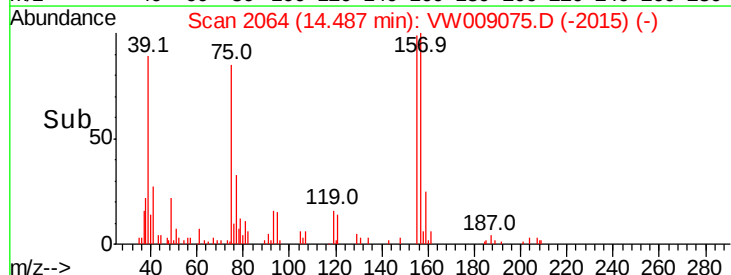
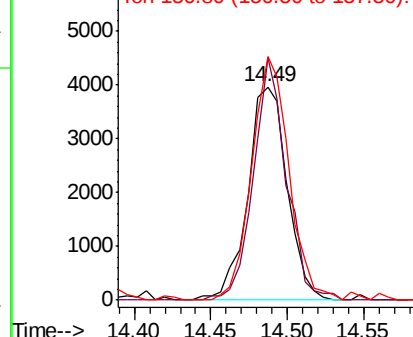


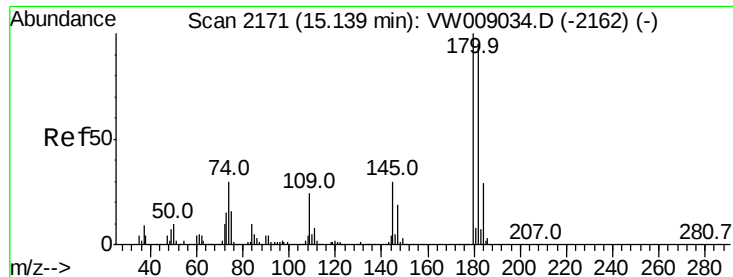
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





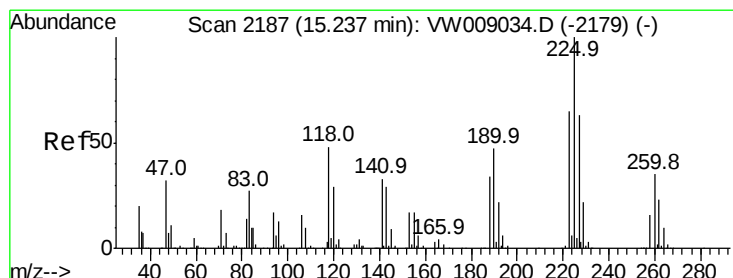
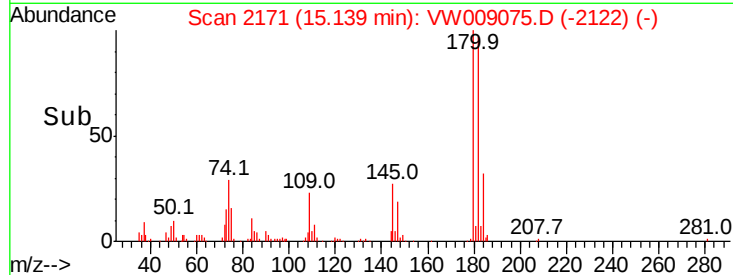
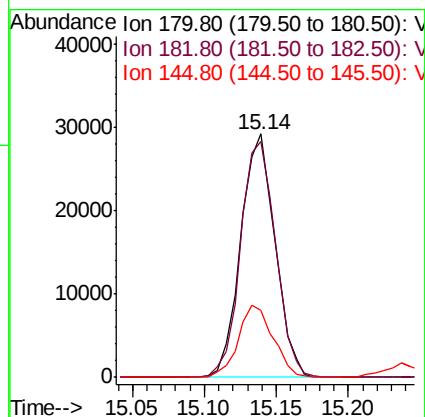
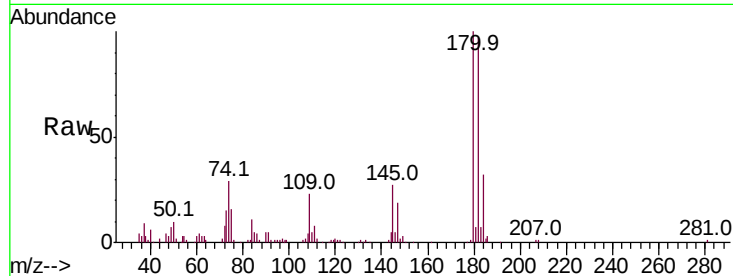
#93
 1,2,4-Trichlorobenzene
 Concen: 37.375 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Instrument :
 MSVOA_W
 ClientSampleId :
 SD2-0.5-1.0MSD

Tot Ion:	180	Resp:	48322
Ion Ratio	Lower	Upper	
180	100		
182	98.8	48.1	144.3
145	30.2	15.4	46.1

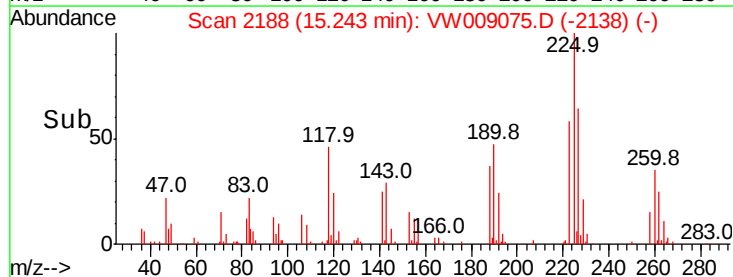
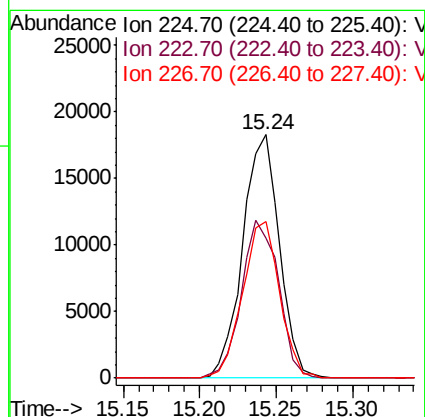
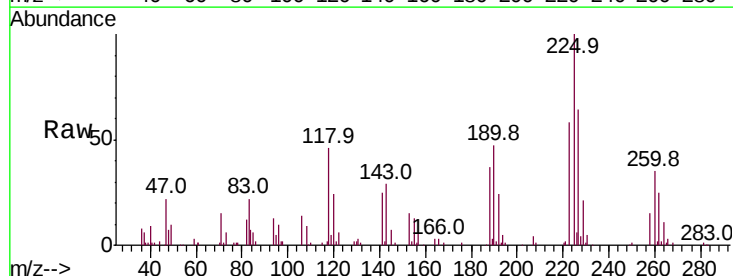
Manual Integrations
 APPROVED

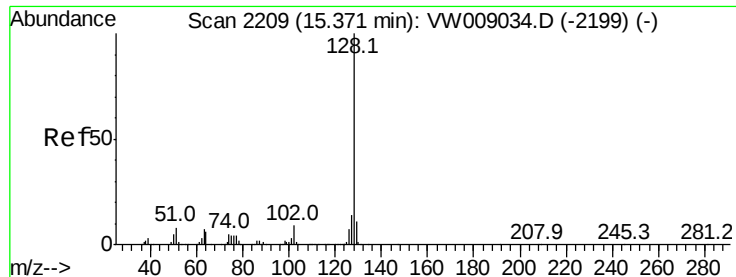
MMDadoda
 3/11/2019 2:53:40 PM



#94
 Hexachlorobutadiene
 Concen: 37.646 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009075.D
 Acq: 09 Mar 2019 00:24

Tgt Ion:	225	Resp:	30487
Ion Ratio	Lower	Upper	
225	100		
223	65.5	31.6	94.8
227	65.0	32.0	96.2





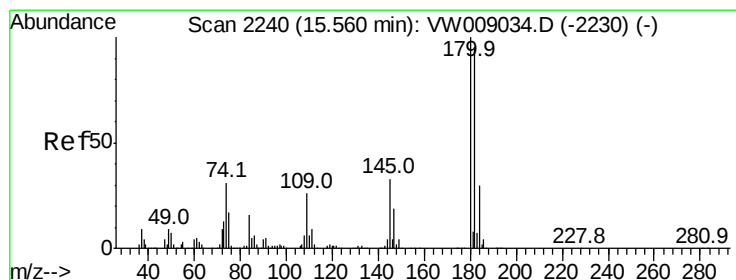
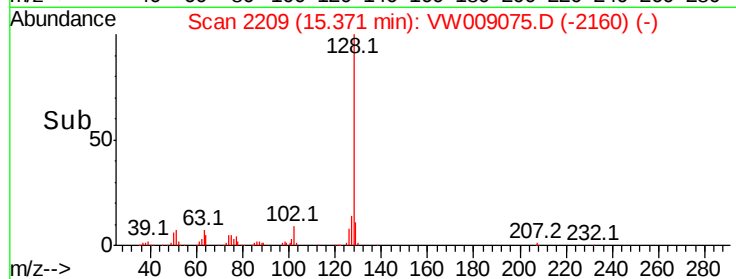
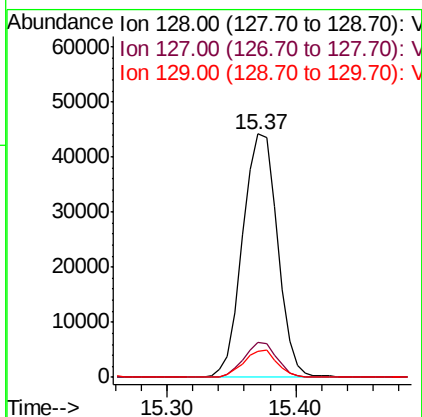
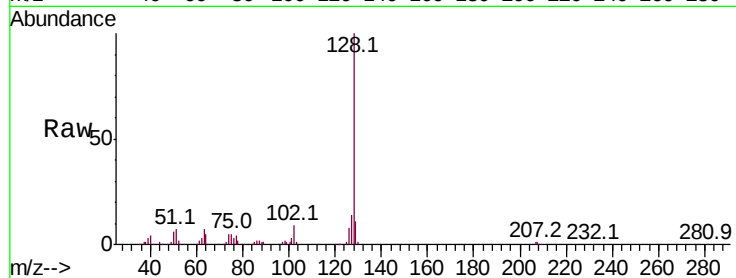
#95
Naphthalene
Concen: 38.943 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Instrument :
MSVOA_W
ClientSampleId :
SD2-0.5-1.0MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.6
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/11/2019 2:53:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 37.544 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009075.D
Acq: 09 Mar 2019 00:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.1	144.3
145	32.4	15.8	47.3

