

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
 Data File : VW013952.D
 Acq On : 08 Nov 2019 18:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 12:59:02 PM

Quant Time: Nov 09 04:19:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	330749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	209312	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	128631	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	
35) Dibromofluoromethane	7.88	113	133198	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	10.32	98	554202	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.62	95	188946	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	83478	47.908	ug/l	95
3) Chloromethane	2.21	50	85462	45.637	ug/l	98
4) Vinyl Chloride	2.36	62	141768	50.129	ug/l	97
5) Bromomethane	2.78	94	92038	49.484	ug/l	97
6) Chloroethane	2.92	64	91820	53.656	ug/l	99
7) Trichlorofluoromethane	3.26	101	95688	54.169	ug/l	99
8) Diethyl Ether	3.68	74	76060	53.295	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	138265	48.148	ug/l	99
10) Methyl Iodide	4.28	142	233230	49.840	ug/l	99
11) Tert butyl alcohol	5.16	59	53918	364.017	ug/l	97
12) 1,1-Dichloroethene	4.04	96	145769	49.141	ug/l	97
13) Acrolein	3.89	56	48730	287.162	ug/l	98
14) Allyl chloride	4.67	41	234290	51.366	ug/l	98
15) Acrylonitrile	5.36	53	170258	293.391	ug/l	98
16) Acetone	4.12	43	160372	304.841	ug/l	93
17) Carbon Disulfide	4.39	76	402693	47.270	ug/l	99
18) Methyl Acetate	4.67	43	82353	57.106	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	201407	56.581	ug/l	99
20) Methylene Chloride	4.92	84	161773	56.508	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	157709	49.398	ug/l	95
22) Diisopropyl ether	6.31	45	450956	54.201	ug/l	98
23) Vinyl Acetate	6.25	43	1358173	281.332	ug/l	99
24) 1,1-Dichloroethane	6.21	63	269049	51.060	ug/l	99
25) 2-Butanone	7.17	43	228351	301.914	ug/l	97
26) 2,2-Dichloropropane	7.17	77	148881	48.862	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	173829	51.261	ug/l	98
28) Bromochloromethane	7.51	49	103139	54.806	ug/l #	97
29) Tetrahydrofuran	7.52	42	140960	301.032	ug/l	100
30) Chloroform	7.67	83	260380	49.987	ug/l	99
31) Cyclohexane	7.95	56	262413	47.587	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	204843	50.113	ug/l	100
36) 1,1-Dichloropropene	8.08	75	214526	47.977	ug/l	100
37) Ethyl Acetate	7.25	43	95175	55.604	ug/l	99
38) Carbon Tetrachloride	8.07	117	192069	47.701	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	285671	49.472	ug/l	99
40) Benzene	8.32	78	622657	49.206	ug/l	99
41) Methacrylonitrile	7.48	41	60657	56.828	ug/l	93
42) 1,2-Dichloroethane	8.40	62	159763	50.101	ug/l	100
43) Isopropyl Acetate	8.42	43	184871	56.426	ug/l	98
44) Trichloroethene	9.09	130	177121	48.864	ug/l	97
45) 1,2-Dichloropropane	9.37	63	153958	50.937	ug/l	98
46) Dibromomethane	9.46	93	74783	50.976	ug/l	98
47) Bromodichloromethane	9.64	83	191382	50.420	ug/l	98
48) Methyl methacrylate	9.43	41	86087	52.985	ug/l	95
49) 1,4-Dioxane	9.45	88	26786	1235.629	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	467508	287.153	ug/l	100
52) Toluene	10.38	92	402713	49.337	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	202834	52.786	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	244335	51.538	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	114635	52.432	ug/l	97
56) Ethyl methacrylate	10.65	69	156526	57.223	ug/l	99
57) 1,3-Dichloropropane	10.93	76	194068	51.725	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	365778	290.548	ug/l	99
59) 2-Hexanone	10.96	43	327979	292.215	ug/l	98
60) Dibromochloromethane	11.13	129	129695	49.962	ug/l	100
61) 1,2-Dibromoethane	11.23	107	107853	52.143	ug/l	100
64) Tetrachloroethene	10.86	164	155328	49.352	ug/l	98
65) Chlorobenzene	11.66	112	422278	49.885	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	150049	50.790	ug/l	99
67) Ethyl Benzene	11.73	91	767630	50.290	ug/l	98
68) m/p-Xylenes	11.84	106	588541	99.799	ug/l	99
69) o-Xylene	12.16	106	274417	50.625	ug/l	99
70) Styrene	12.18	104	483298	51.893	ug/l	99
71) Bromoform	12.35	173	80686	52.043	ug/l	98
73) Isopropylbenzene	12.46	105	769123	51.168	ug/l	99
74) N-amyl acetate	12.27	43	175796	60.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	127638	53.810	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	81754m	54.388	ug/l	
77) Bromobenzene	12.74	156	185004	51.522	ug/l	98
78) n-propylbenzene	12.80	91	893688	51.367	ug/l	99
79) 2-Chlorotoluene	12.89	91	500497	51.191	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	651248	51.324	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	44079	55.419	ug/l	97
82) 4-Chlorotoluene	12.99	91	523461	50.998	ug/l	99
83) tert-Butylbenzene	13.21	119	583611	51.815	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	653129	52.180	ug/l	99
85) sec-Butylbenzene	13.38	105	790159	51.302	ug/l	99
86) p-Isopropyltoluene	13.50	119	742364	51.743	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	356152	51.191	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	350305	50.683	ug/l	100
89) n-Butylbenzene	13.82	91	672521	51.931	ug/l	99
90) Hexachloroethane	14.09	117	125144	50.182	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	313082	51.900	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19983	55.712	ug/l	99

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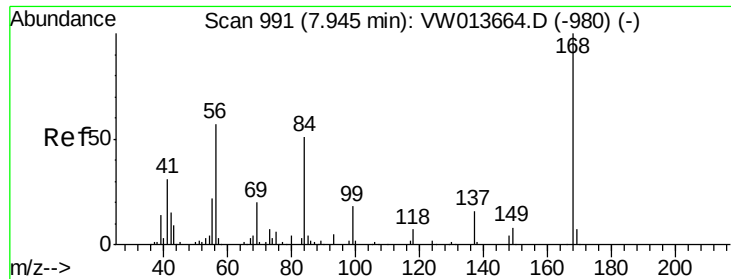
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	237592	54.119	ug/l	99
94) Hexachlorobutadiene	15.24	225	150912	50.920	ug/l	98
95) Naphthalene	15.36	128	408174	59.300	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	204626	54.092	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 330749

Ion Ratio Lower Upper

168 100

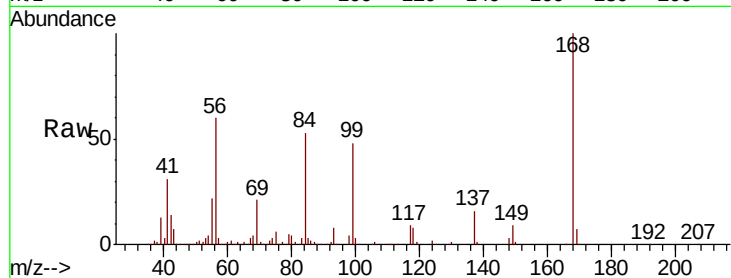
99 48.1 39.0 58.6

Manual Integrations

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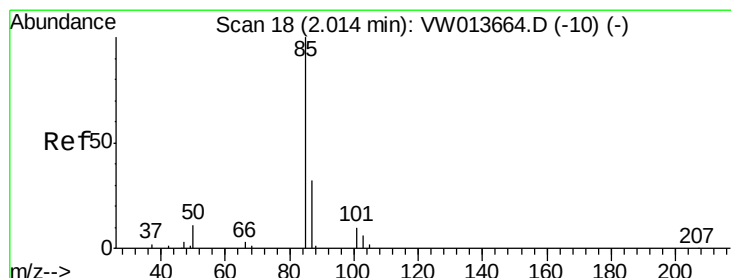
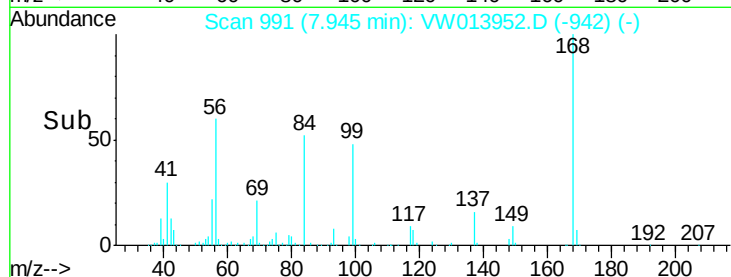
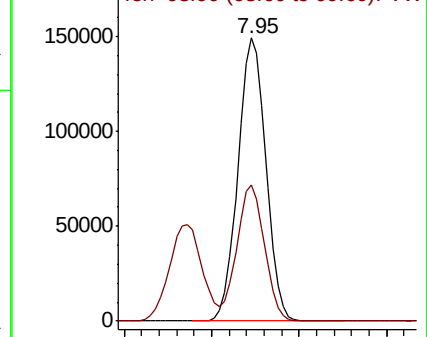
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 47.908 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013952.D

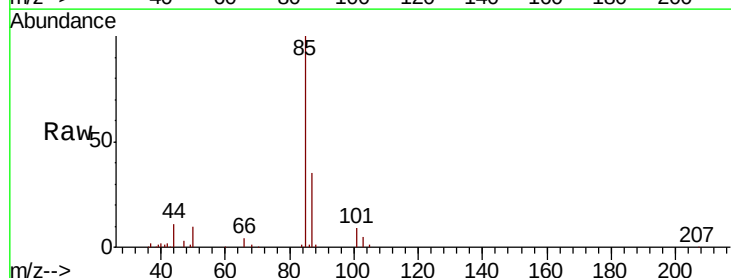
Acq: 08 Nov 2019 18:29

Tgt Ion: 85 Resp: 83478

Ion Ratio Lower Upper

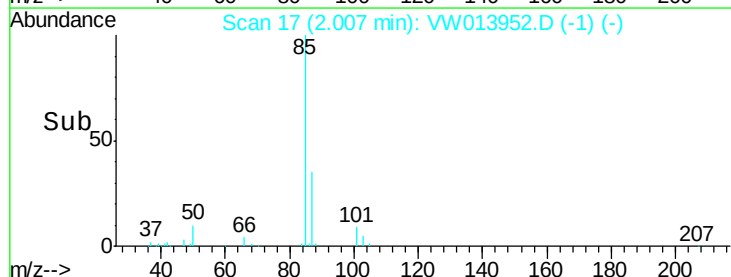
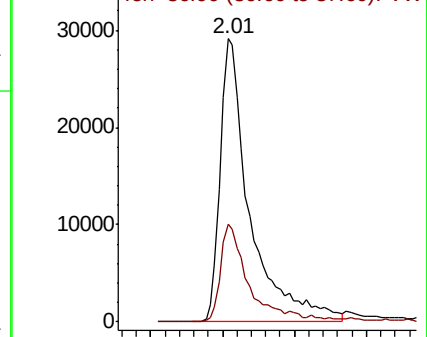
85 100

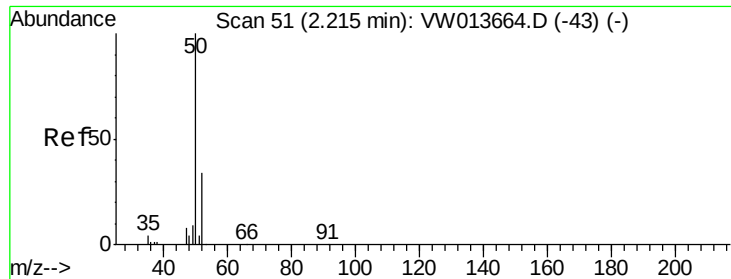
87 34.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.637 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 85462

Ion Ratio Lower Upper

50 100

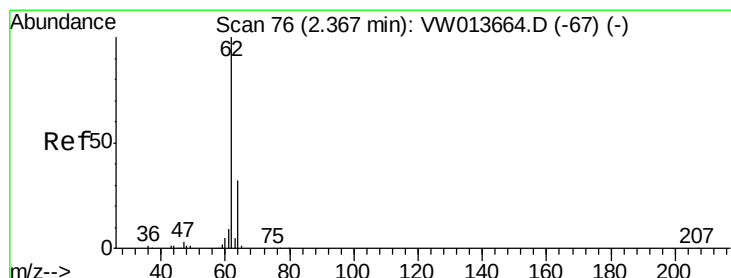
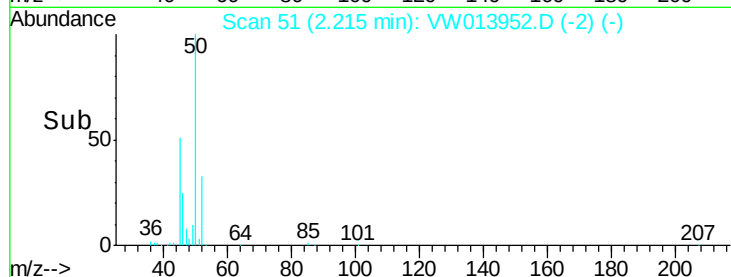
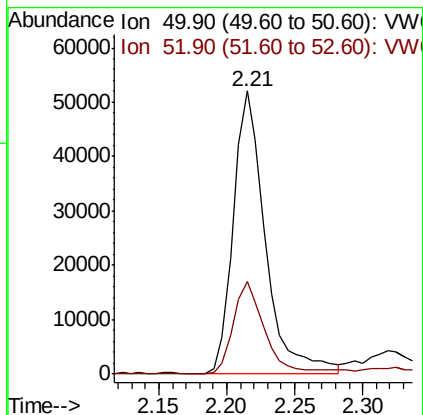
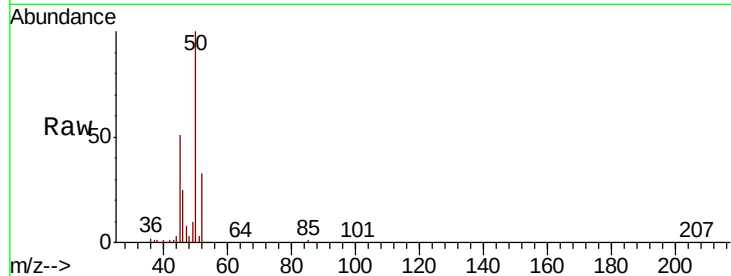
52 32.7 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.129 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013952.D

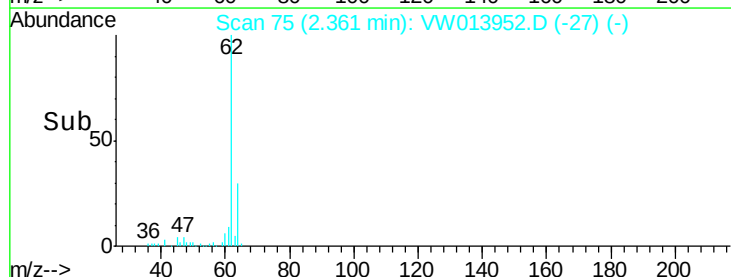
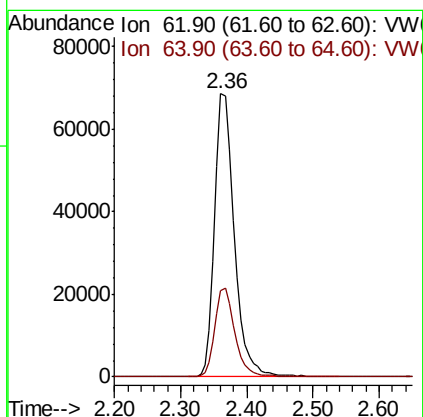
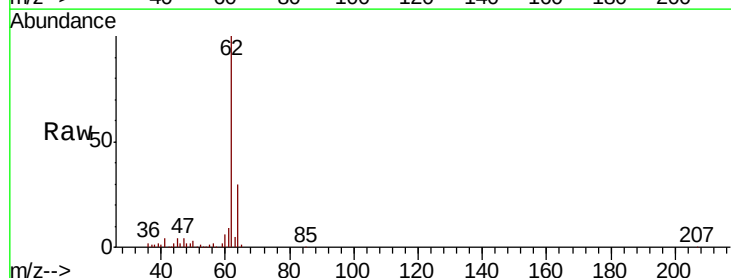
Acq: 08 Nov 2019 18:29

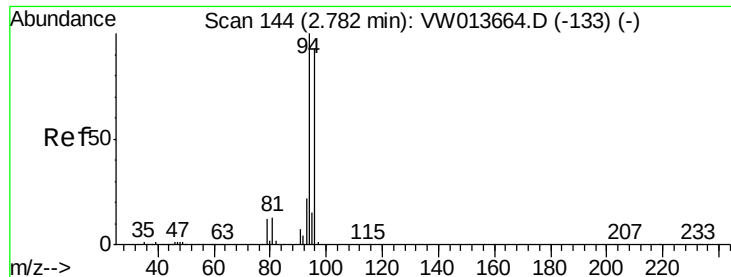
Tgt Ion: 62 Resp: 141768

Ion Ratio Lower Upper

62 100

64 30.4 25.5 38.3





#5

Bromomethane

Concen: 49.484 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 92038

Ion Ratio Lower Upper

94 100

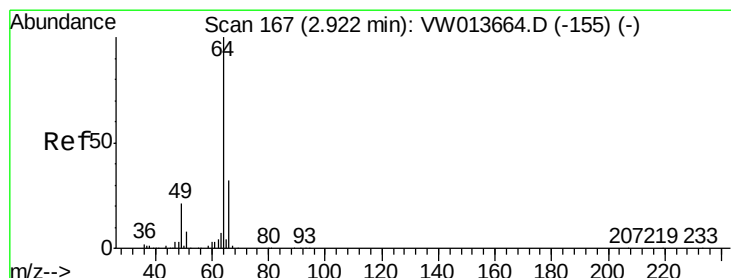
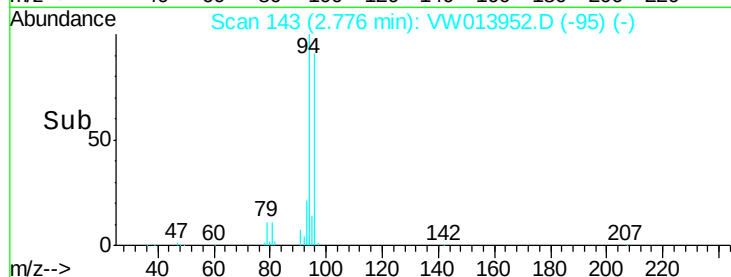
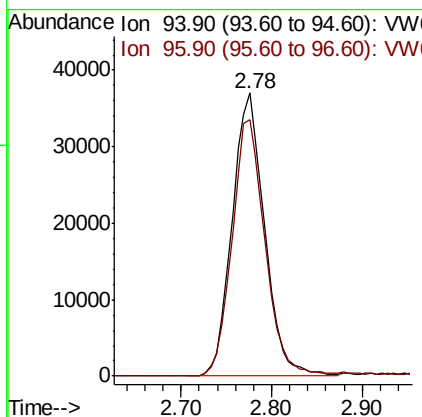
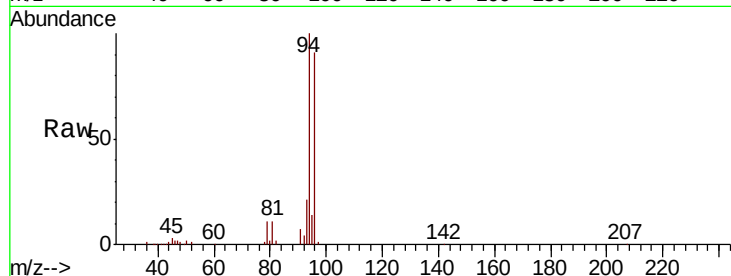
96 90.8 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 53.656 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013952.D

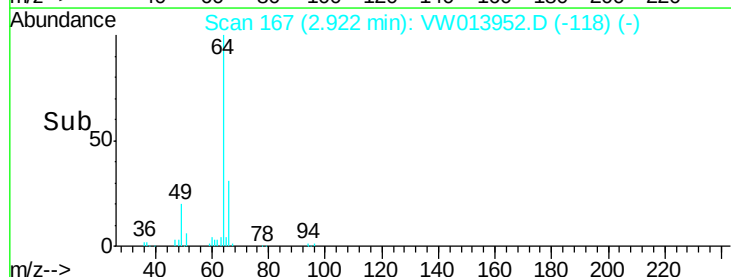
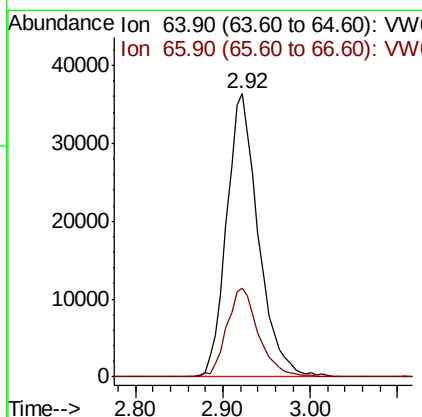
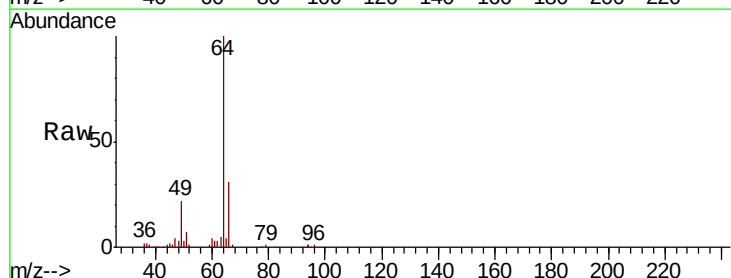
Acq: 08 Nov 2019 18:29

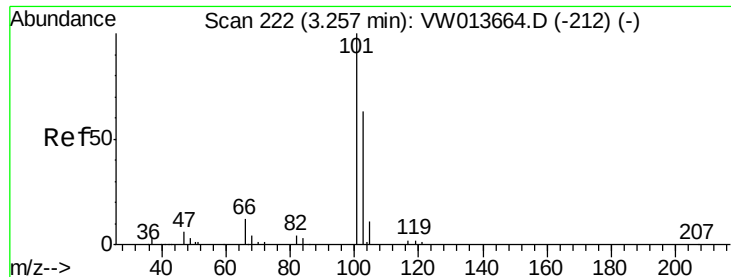
Tgt Ion: 64 Resp: 91820

Ion Ratio Lower Upper

64 100

66 31.2 25.4 38.0





#7

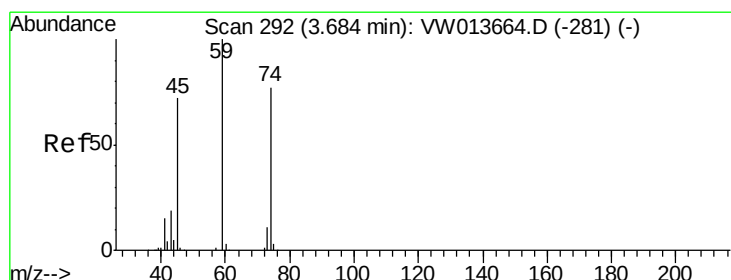
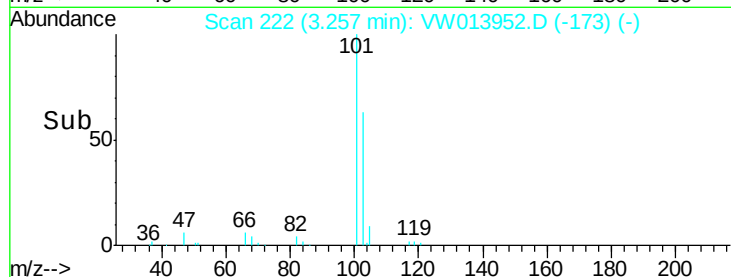
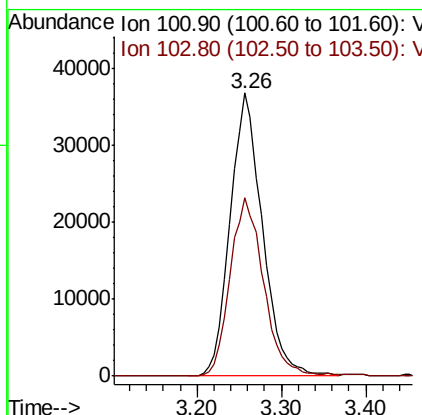
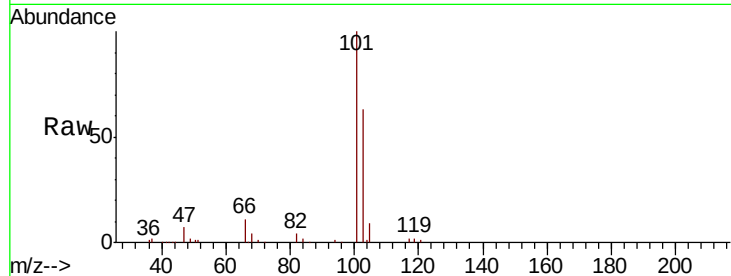
Trichlorofluoromethane
Concen: 54.169 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.6	76.0

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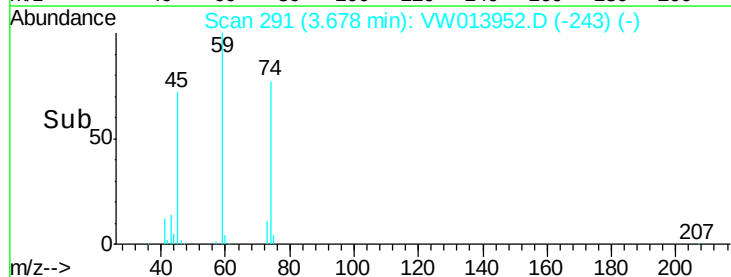
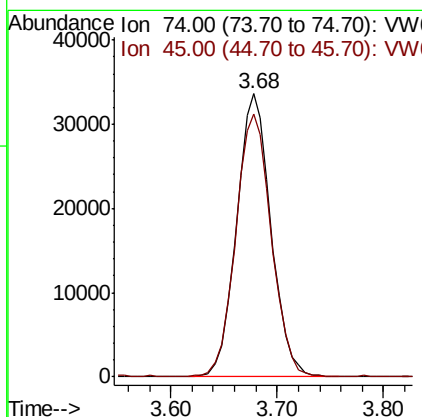
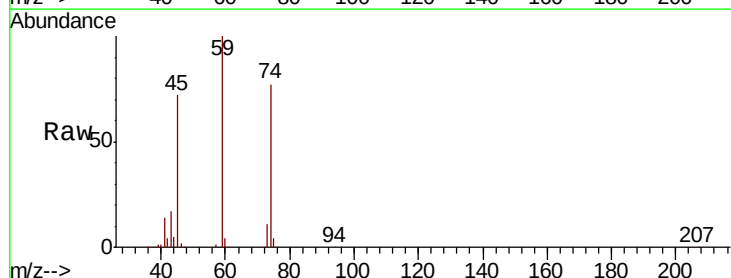
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11/12/2019 12:59:02 PM

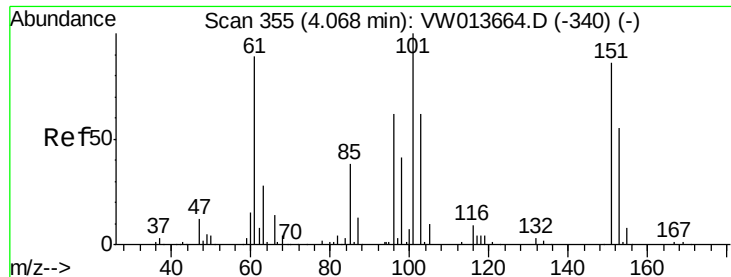


#8

Diethyl Ether
Concen: 53.295 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.148 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

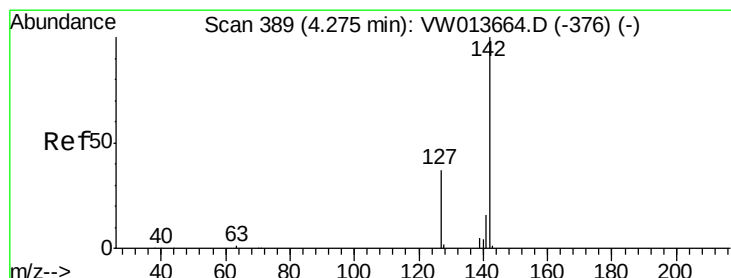
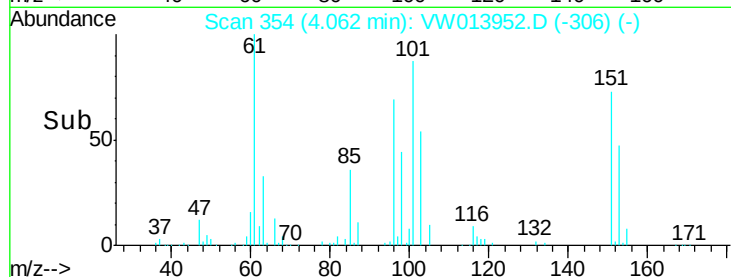
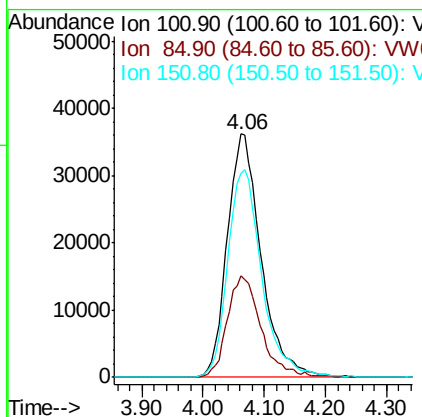
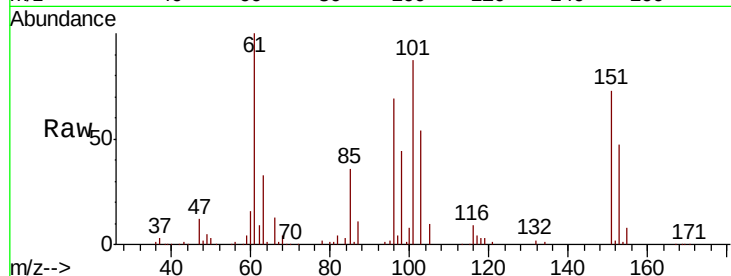
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	138265
Ion Ratio	Lower	Upper	
101	100		
85	40.7	31.0	46.6
151	85.9	68.2	102.4

Manual Integrations
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#10

Methyl Iodide

Concen: 49.840 ug/l

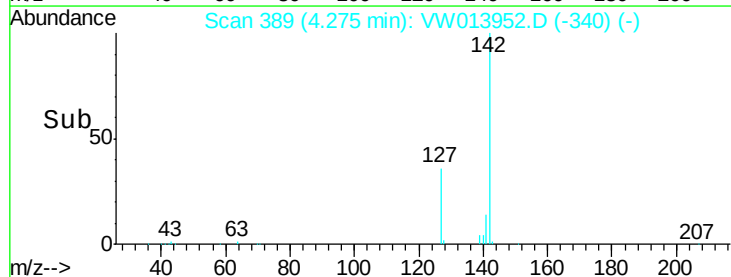
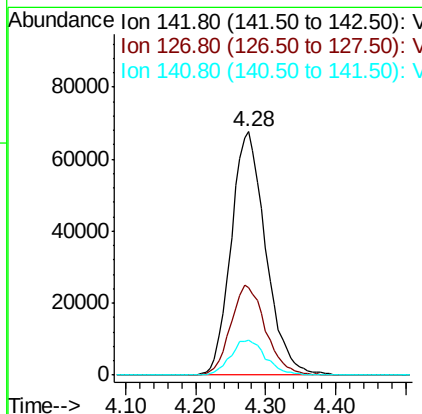
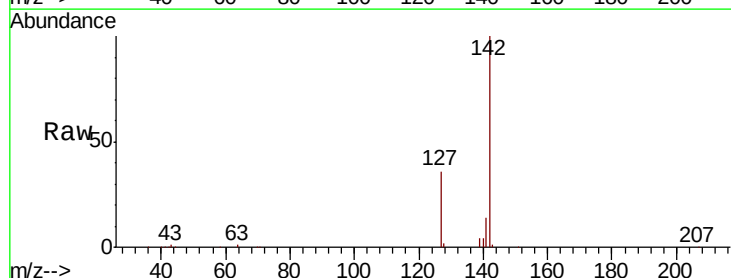
RT: 4.28 min Scan# 389

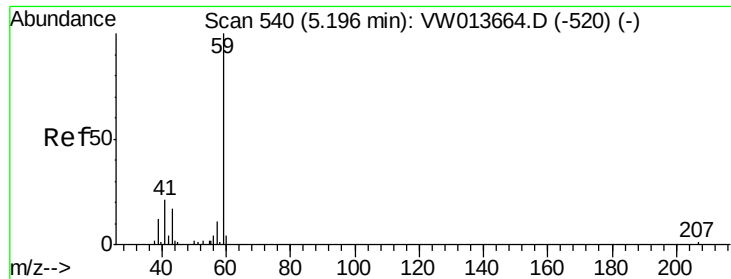
Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Tgt Ion:	142	Resp:	233230
Ion Ratio	Lower	Upper	
142	100		
127	37.1	30.3	45.5
141	14.6	11.8	17.8





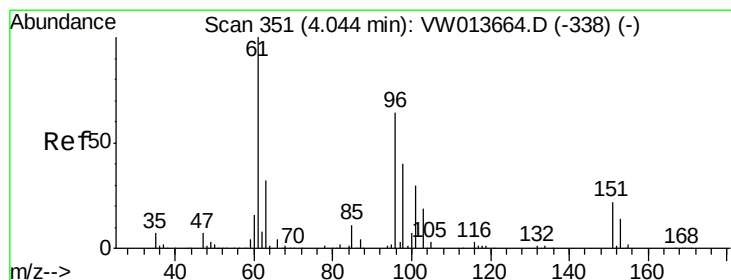
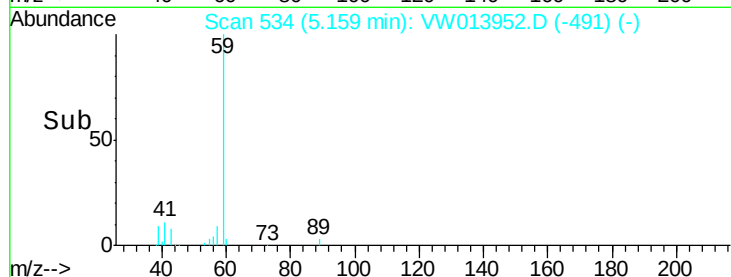
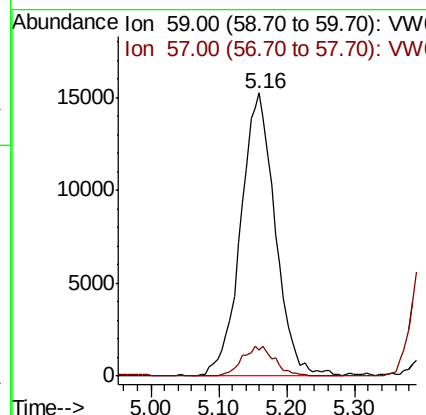
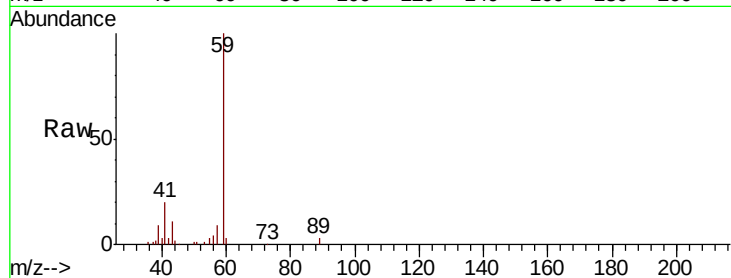
#11
Tert butyl alcohol
Concen: 364.017 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.04 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	53918		
57	9.8		8.8	13.2

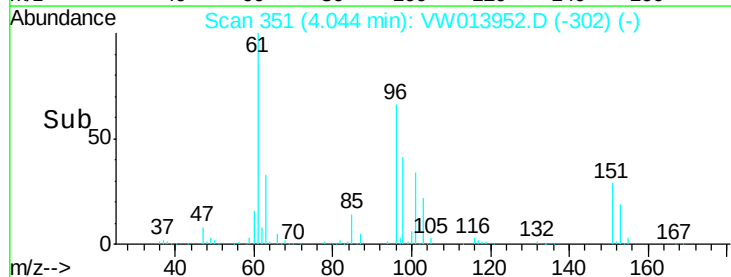
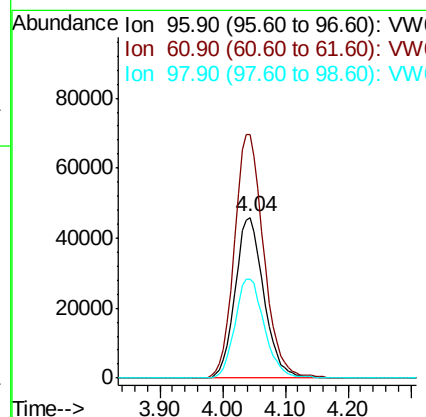
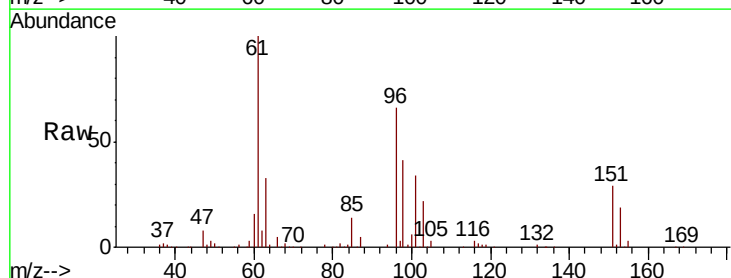
Manual Integrations
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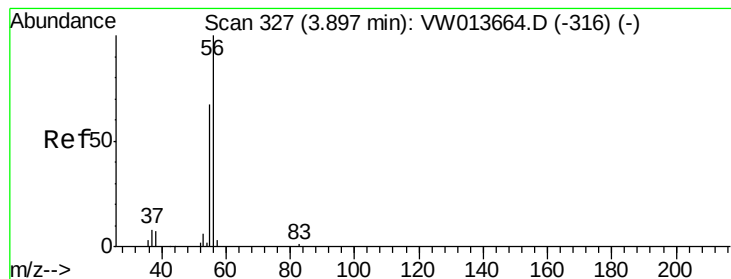
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.141 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	145769		
61	151.1		125.0	187.6
98	61.6		50.3	75.5





#13

Acrolein

Concen: 287.162 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 48730

Ion Ratio Lower Upper

56 100

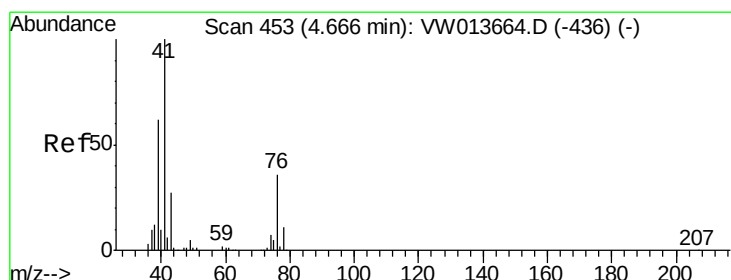
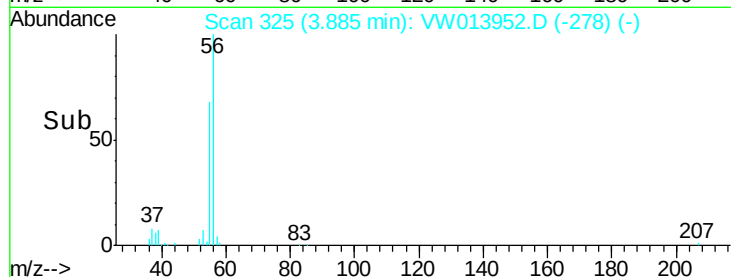
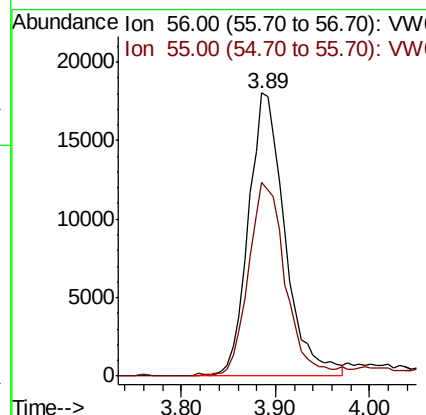
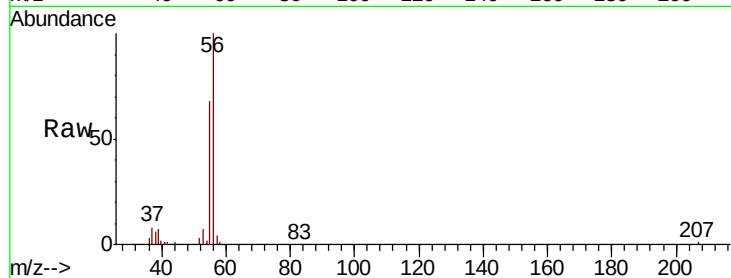
55 68.8 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 51.366 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

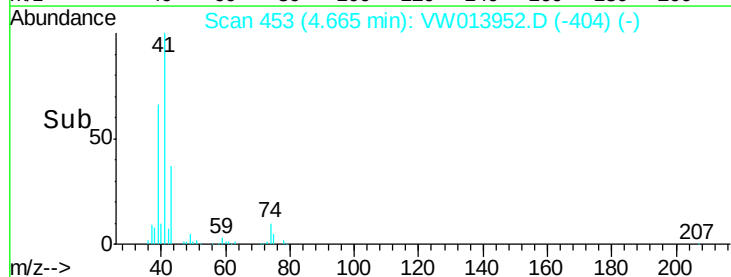
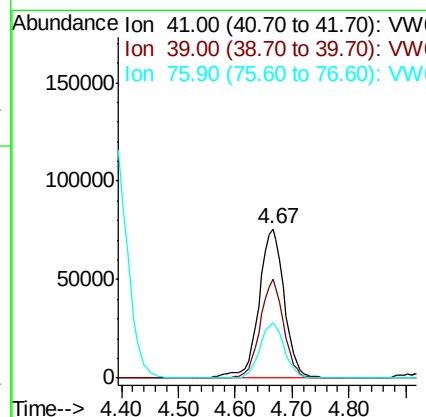
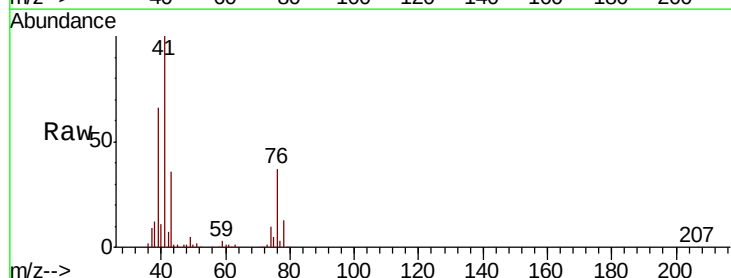
Tgt Ion: 41 Resp: 234290

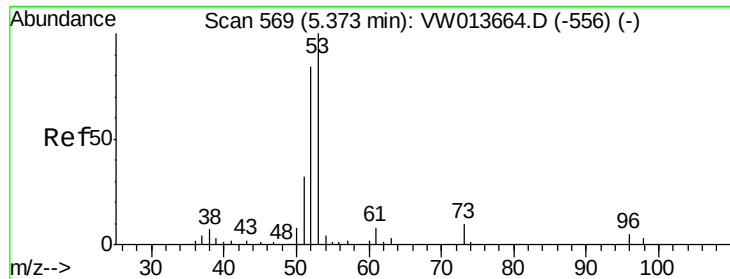
Ion Ratio Lower Upper

41 100

39 61.7 50.0 75.0

76 35.3 29.6 44.4





#15

Acrylonitrile

Concen: 293.391 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

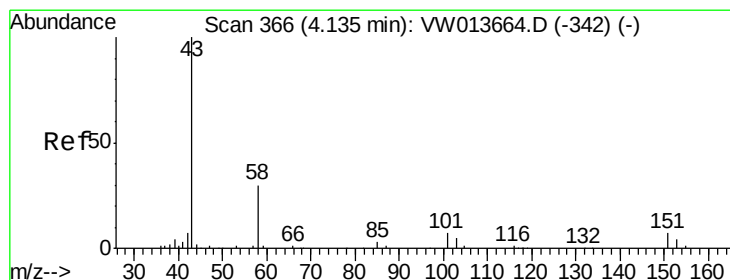
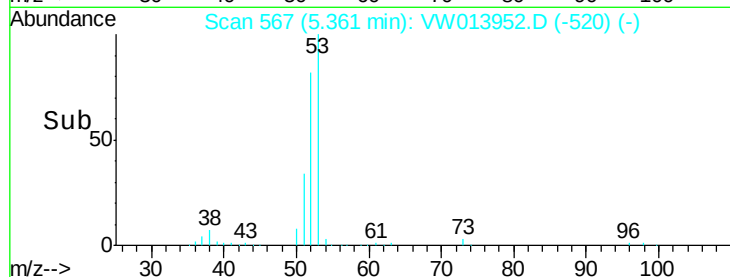
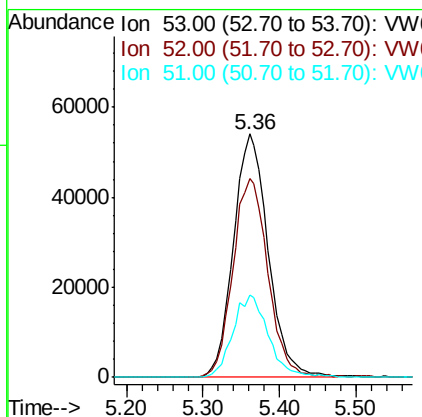
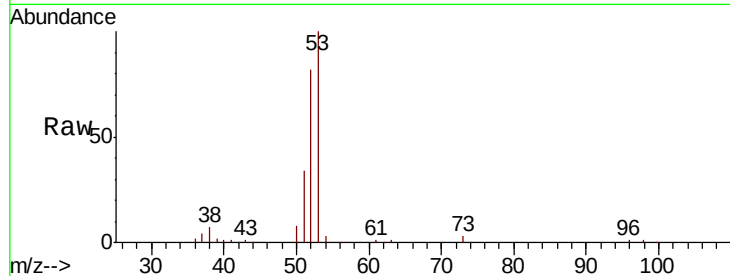
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	170258
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.4	101.0
51	34.5	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 304.841 ug/l

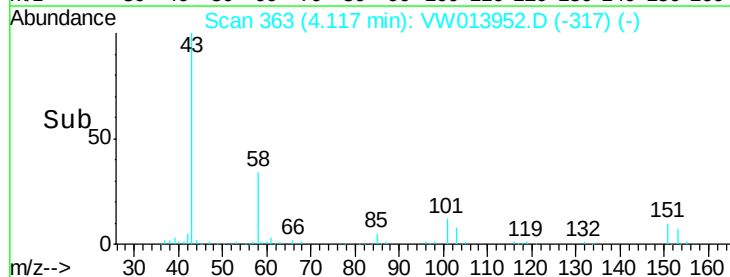
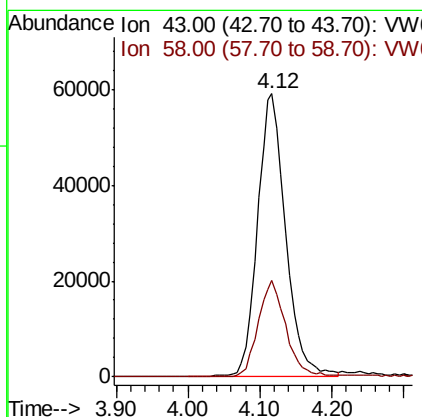
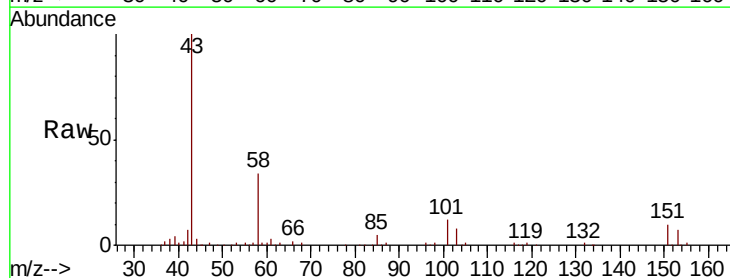
RT: 4.12 min Scan# 363

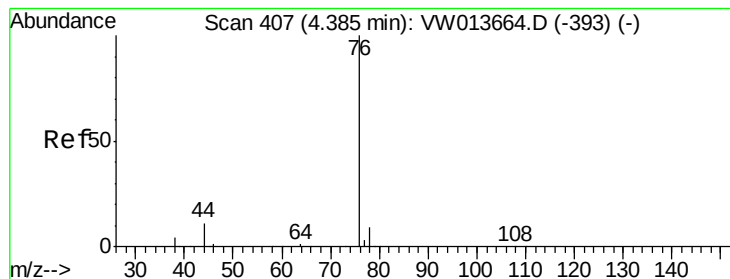
Delta R.T. -0.02 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Tgt Ion:	43	Resp:	160372
Ion	Ratio	Lower	Upper
43	100		
58	33.9	24.1	36.1





#17

Carbon Disulfide

Concen: 47.270 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 402693

Ion Ratio Lower Upper

76 100

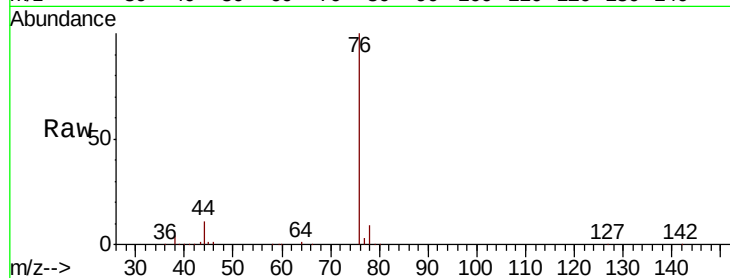
78 9.0 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

150000

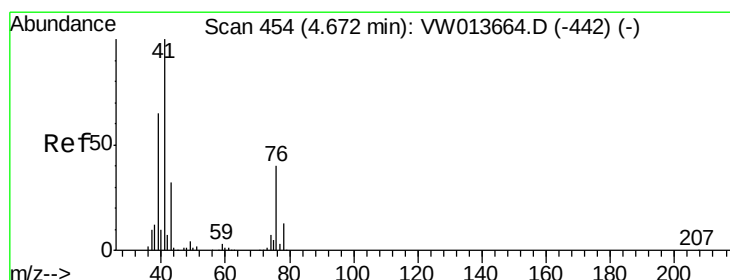
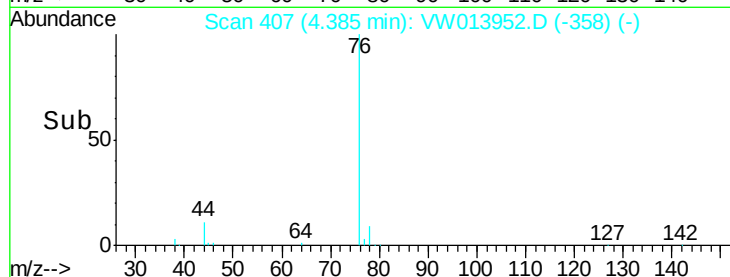
4.39

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 57.106 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013952.D

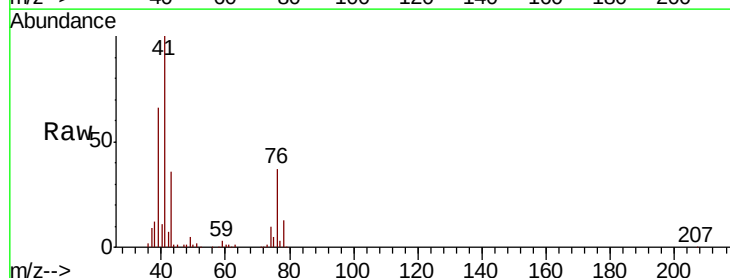
Acq: 08 Nov 2019 18:29

Tgt Ion: 43 Resp: 82353

Ion Ratio Lower Upper

43 100

74 25.1 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

30000

25000

20000

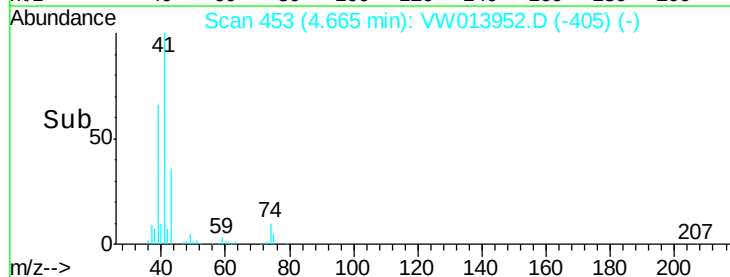
15000

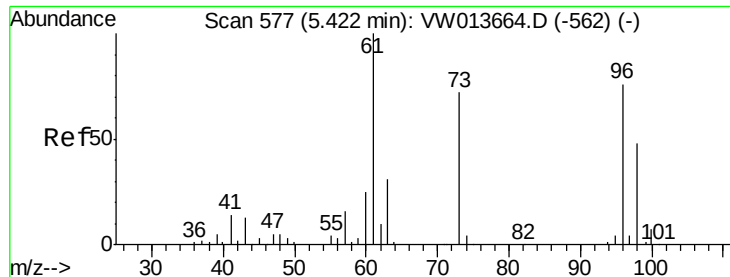
10000

5000

0

Time--> 4.50 4.60 4.70 4.80





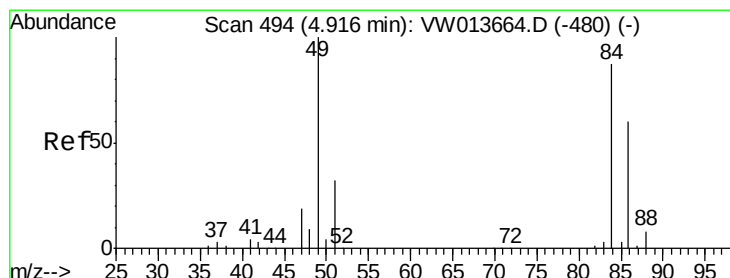
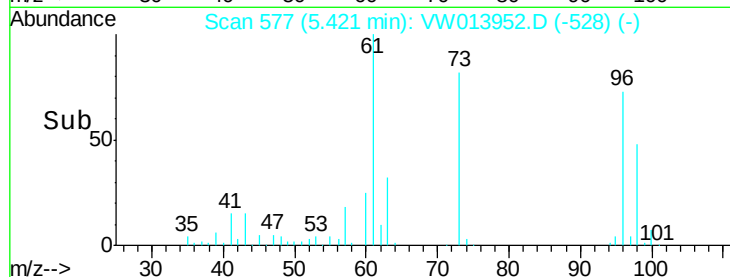
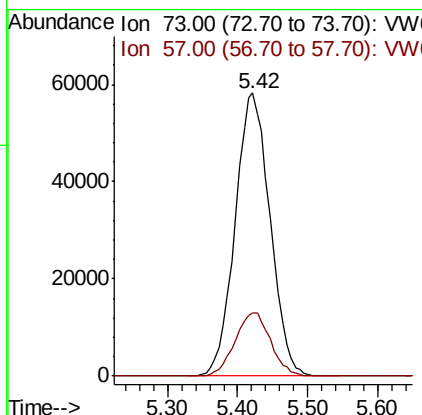
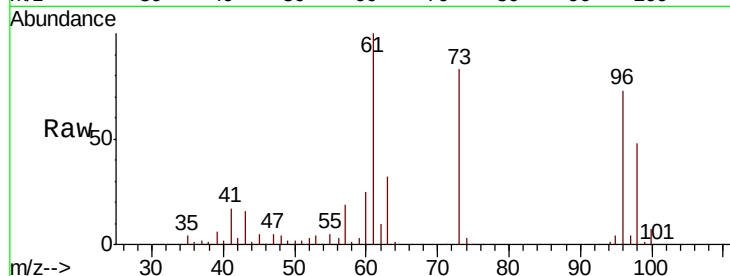
#19
Methyl tert-butyl Ether
Concen: 56.581 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 201407
Ion Ratio Lower Upper
73 100
57 22.5 17.6 26.4

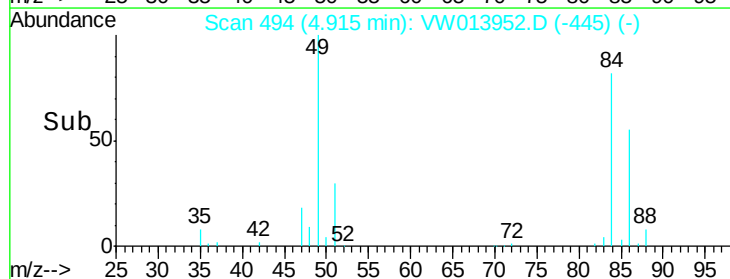
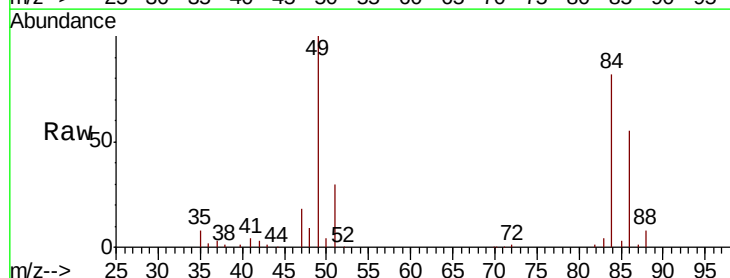
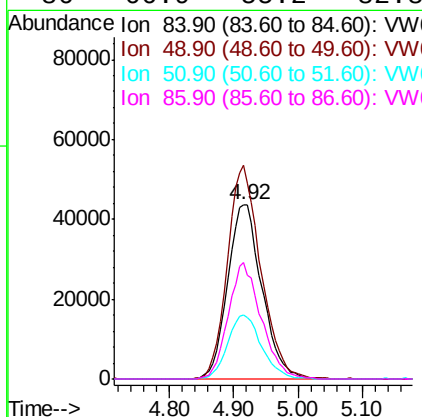
Manual Integrations
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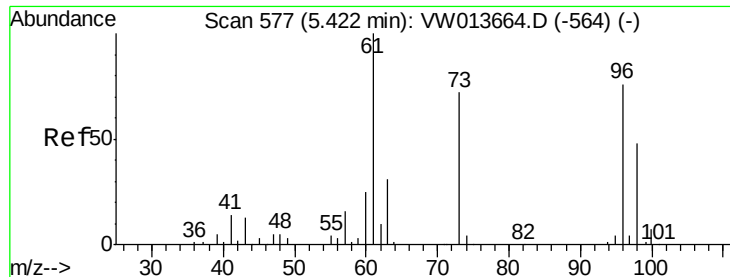
MMDadoda
11/12/2019 12:59:02 PM



#20
Methylene Chloride
Concen: 56.508 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion: 84 Resp: 161773
Ion Ratio Lower Upper
84 100
49 122.5 91.8 137.6
51 37.0 29.8 44.6
86 66.9 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 49.398 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 157709

Ion Ratio Lower Upper

96 100

61 137.1 104.8 157.2

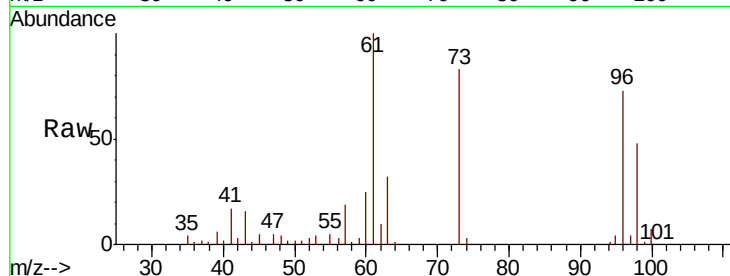
98 66.1 50.6 76.0

Manual Integrations

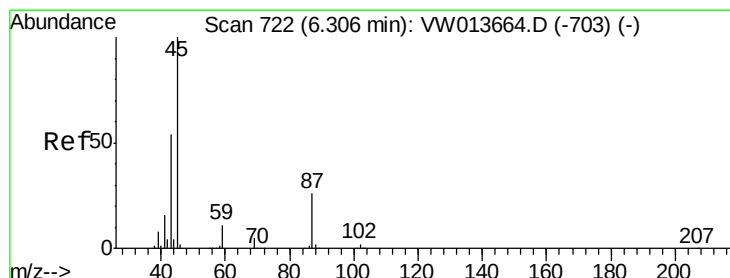
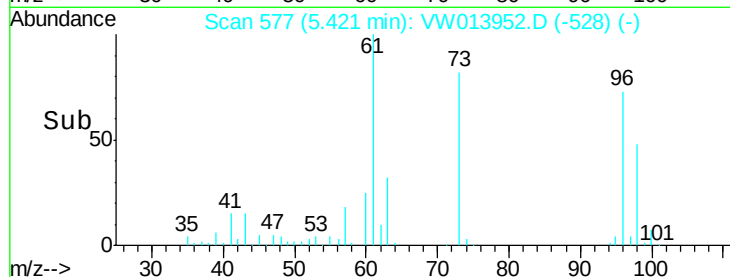
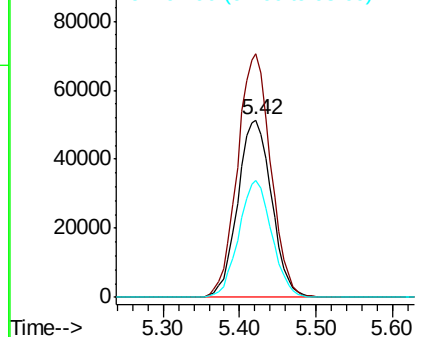
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 54.201 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Tgt Ion: 45 Resp: 450956

Ion Ratio Lower Upper

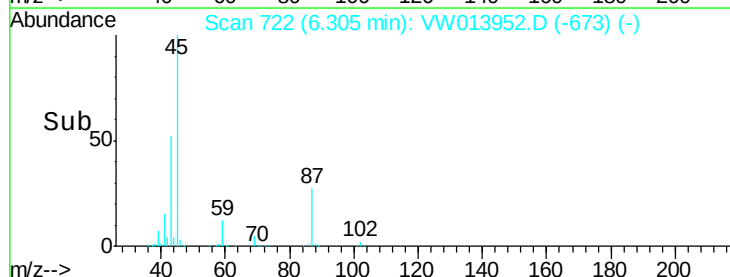
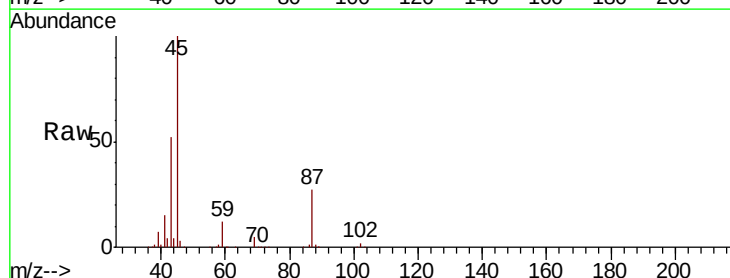
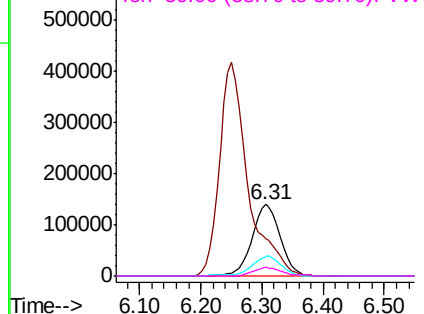
45 100

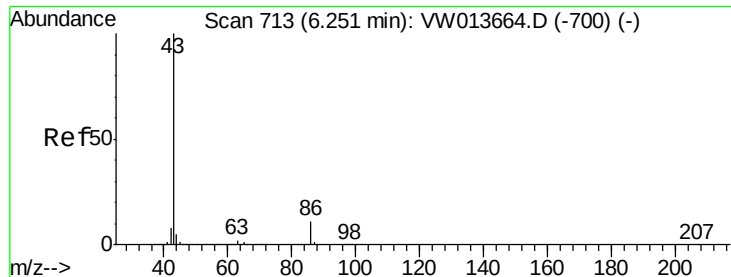
43 52.2 43.4 65.2

87 27.2 21.5 32.3

59 11.7 9.2 13.8

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 281.332 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1358173

Ion Ratio Lower Upper

43 100

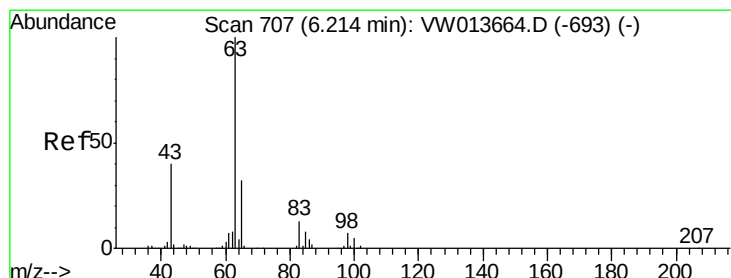
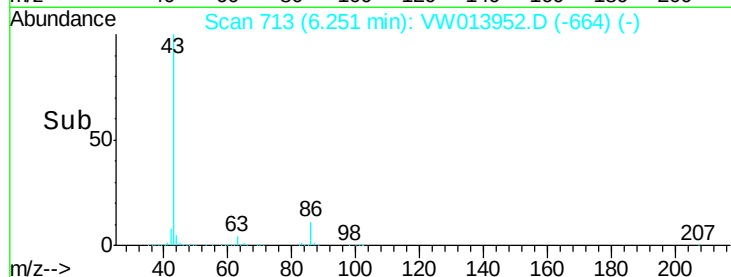
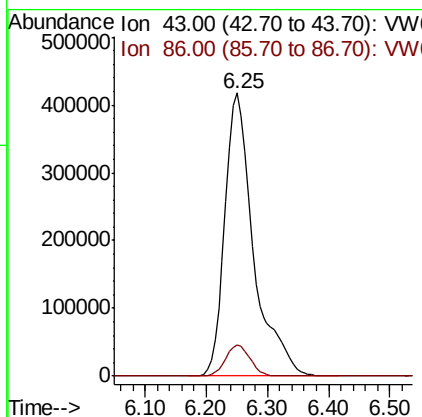
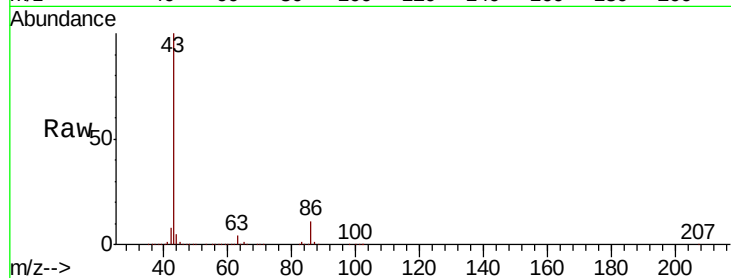
86 10.8 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.060 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

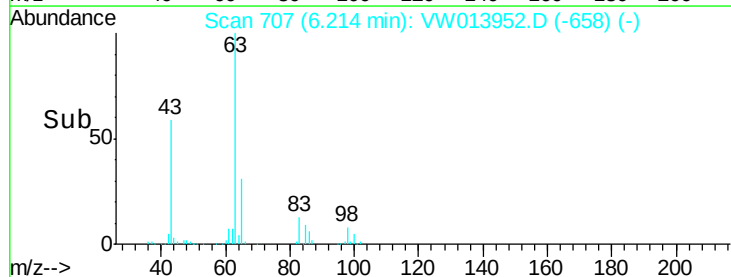
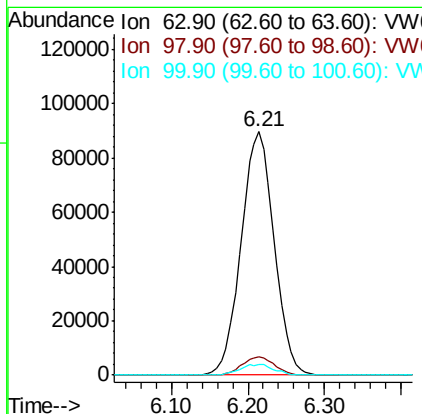
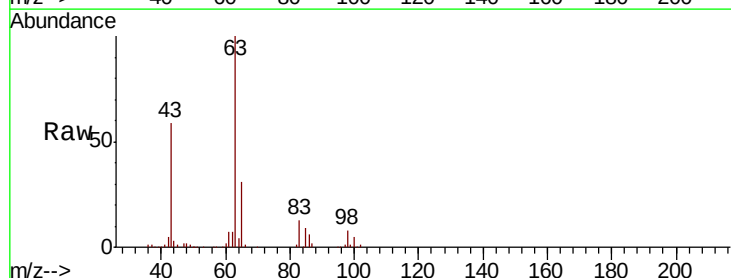
Tgt Ion: 63 Resp: 269049

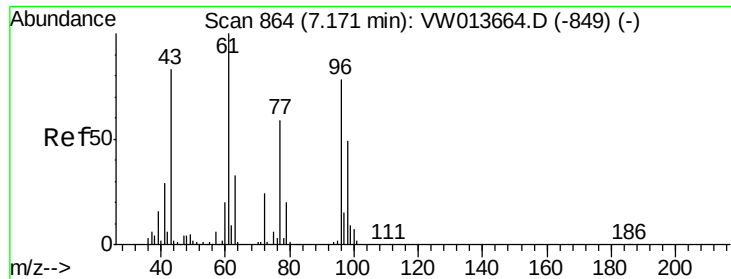
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 301.914 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 228351

Ion Ratio Lower Upper

43 100

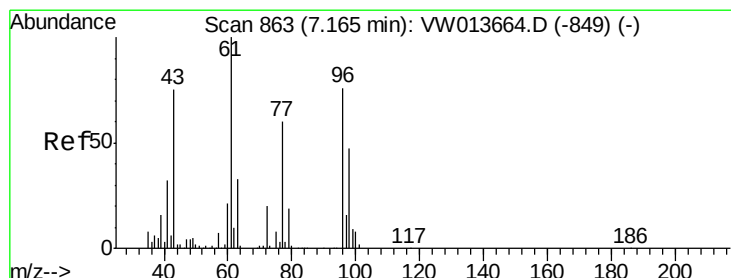
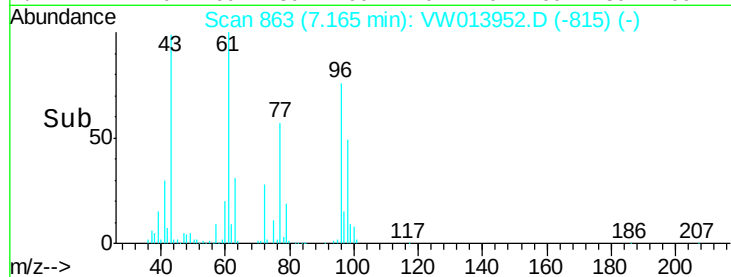
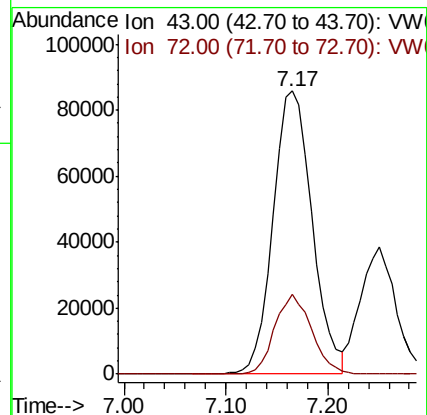
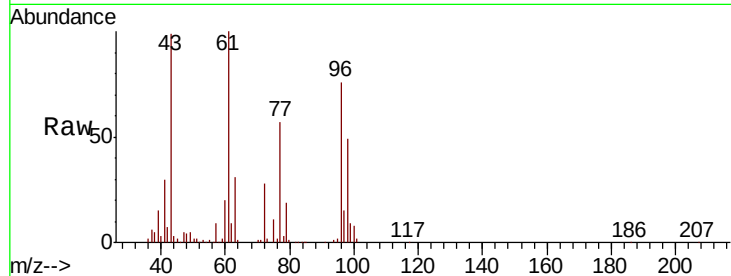
72 28.1 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.862 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013952.D

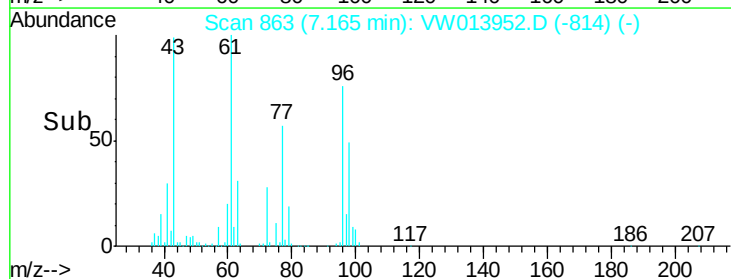
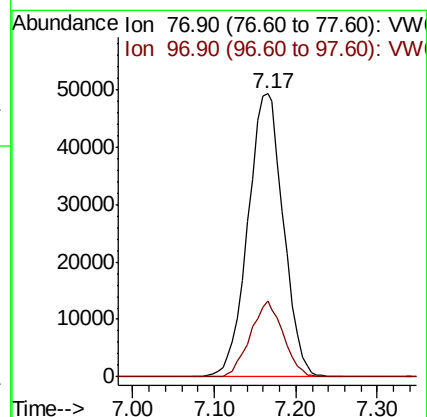
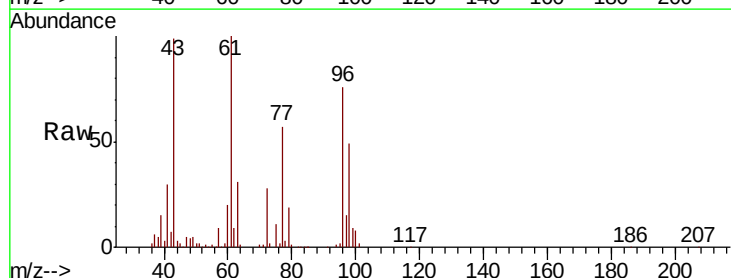
Acq: 08 Nov 2019 18:29

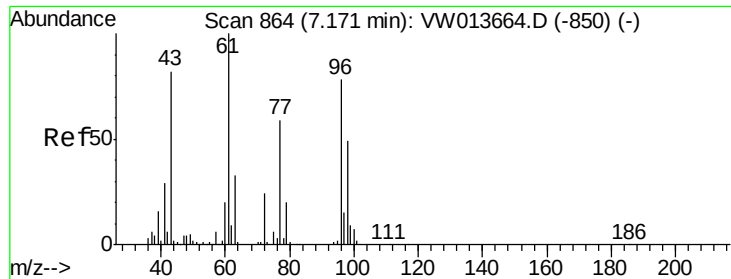
Tgt Ion: 77 Resp: 148881

Ion Ratio Lower Upper

77 100

97 24.9 12.8 38.4





#27

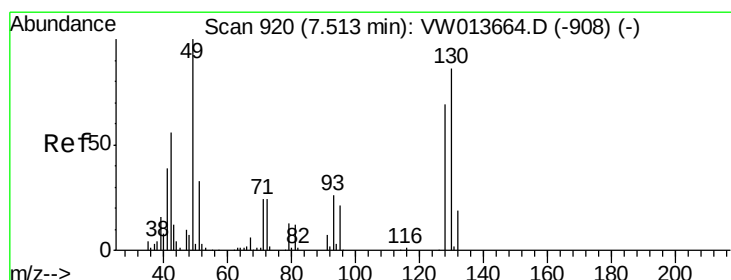
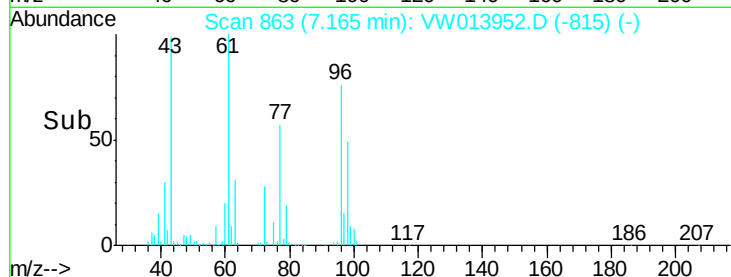
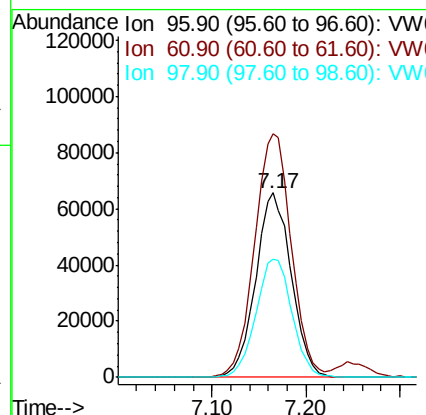
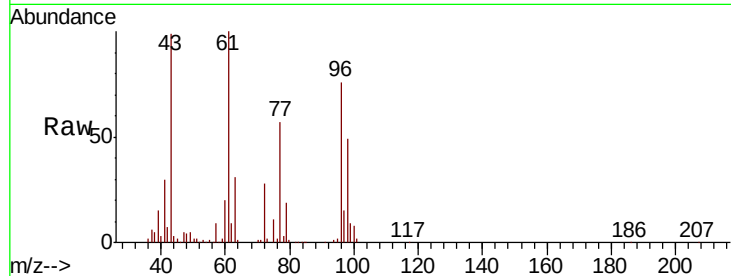
cis-1,2-Dichloroethene
Concen: 51.261 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	266.0
98	64.8	0.0	126.8

Manual Integrations
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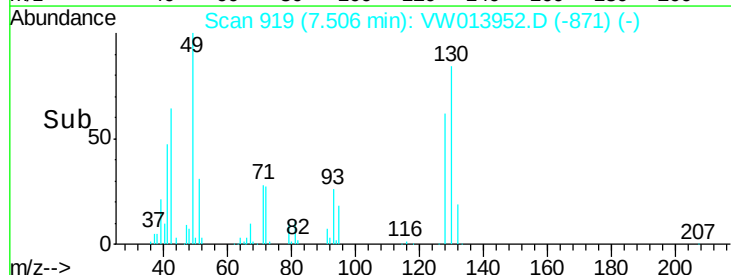
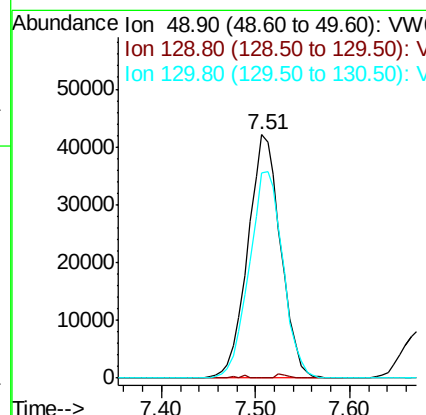
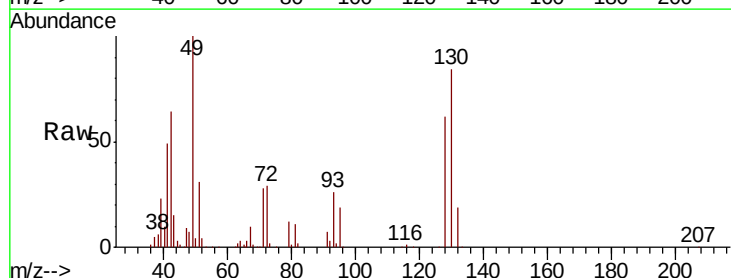
MMDadoda
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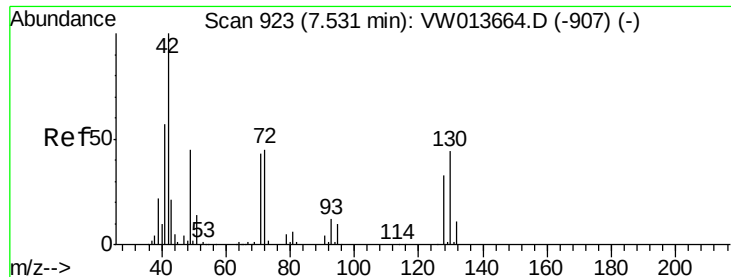


#28

Bromochloromethane
Concen: 54.806 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	0.6#
130	87.0	67.5	101.3





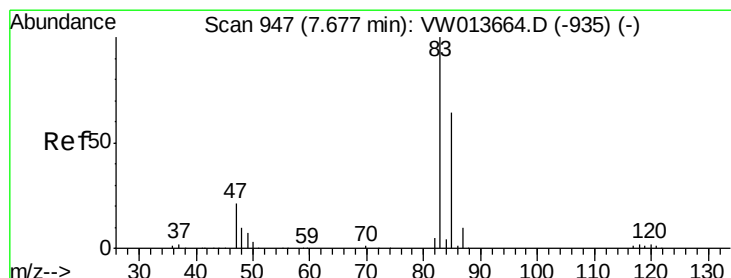
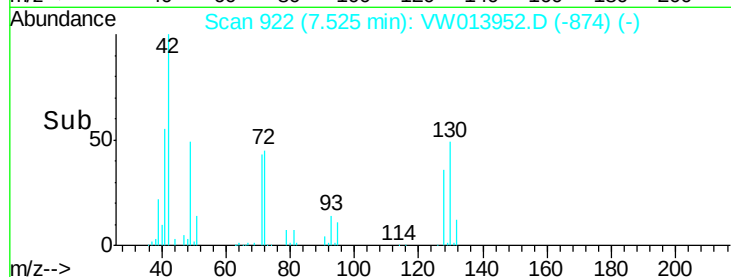
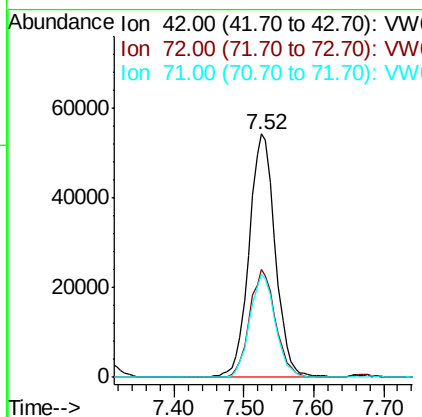
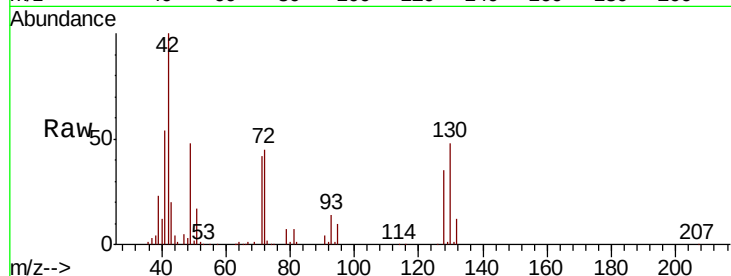
#29
Tetrahydrofuran
Concen: 301.032 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.3	52.9
71	41.2	33.3	49.9

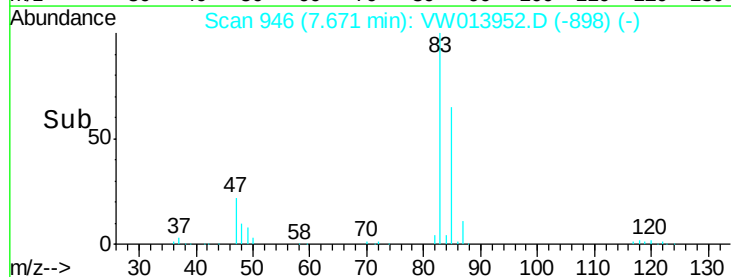
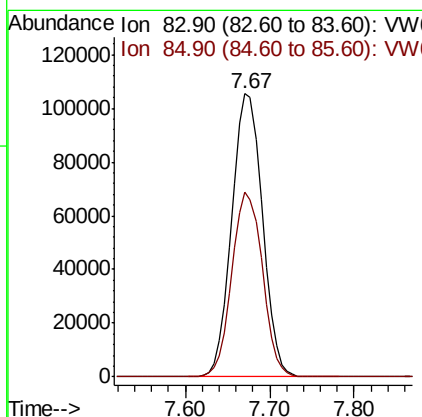
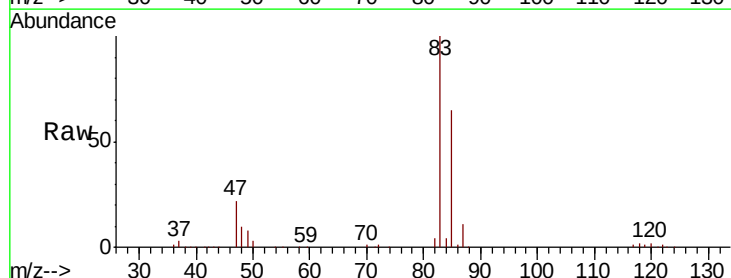
Manual Integrations
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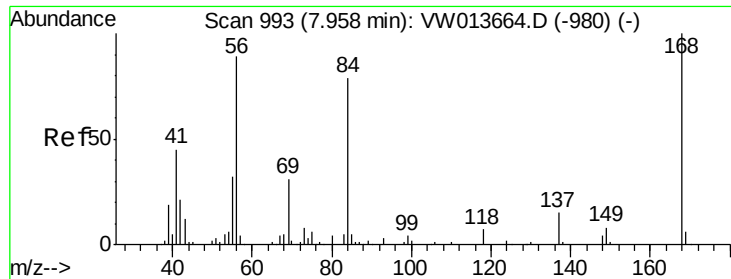
MMDadoda
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#30
Chloroform
Concen: 49.987 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.4	77.2





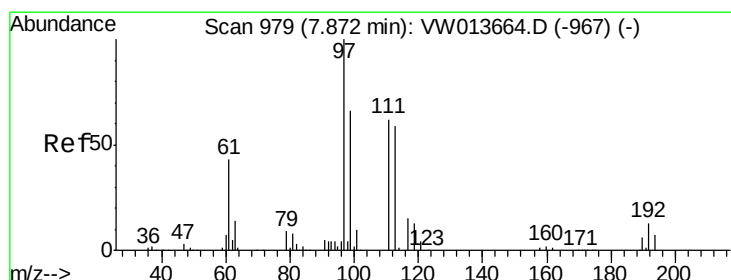
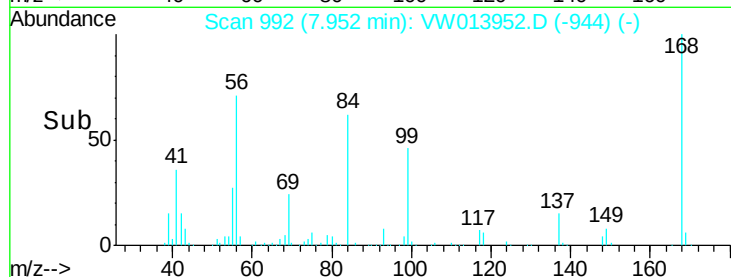
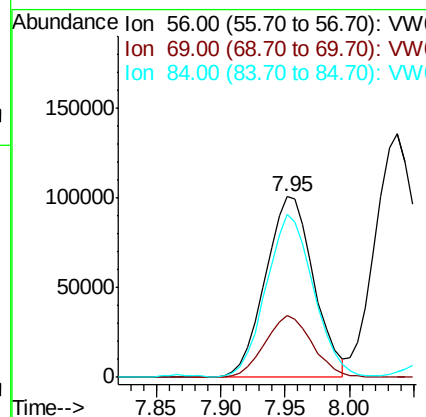
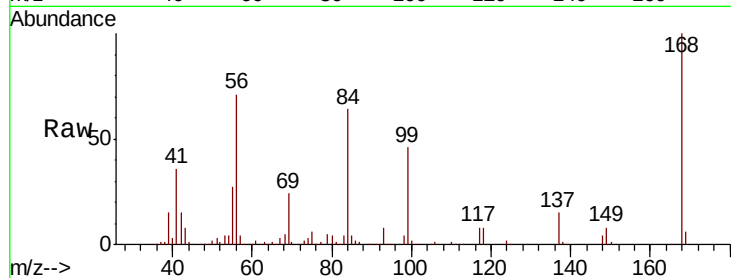
#31
Cyclohexane
Concen: 47.587 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	27.5	41.3
84	89.4	70.8	106.2

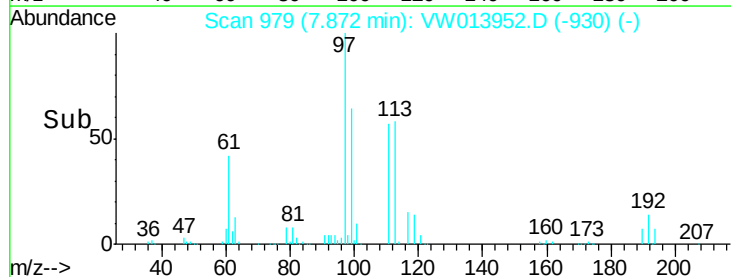
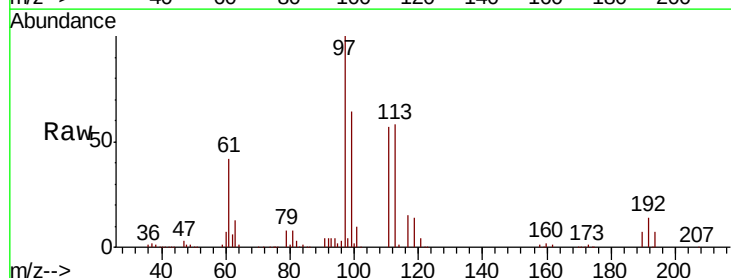
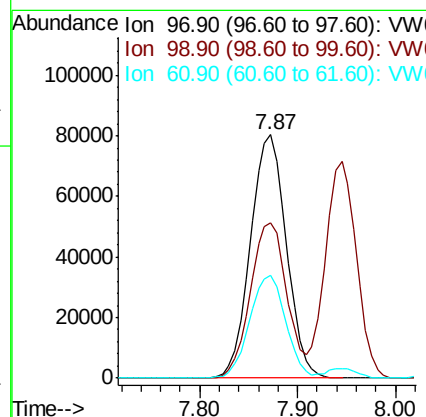
Manual Integrations
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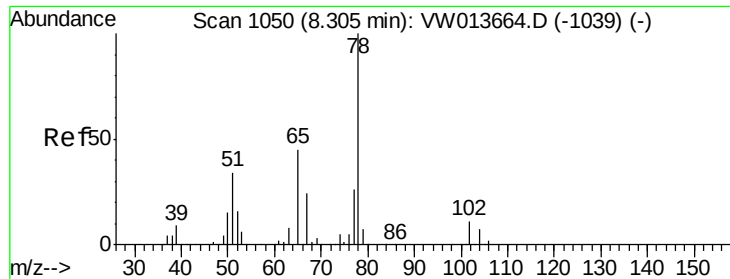
MMDadoda
11/12/2019 12:59:02 PM



#32
1,1,1-Trichloroethane
Concen: 50.113 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	42.4	33.8	50.6





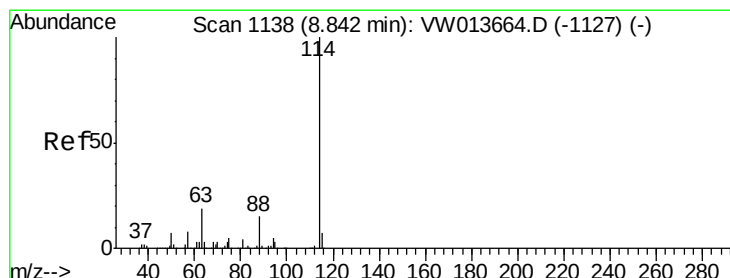
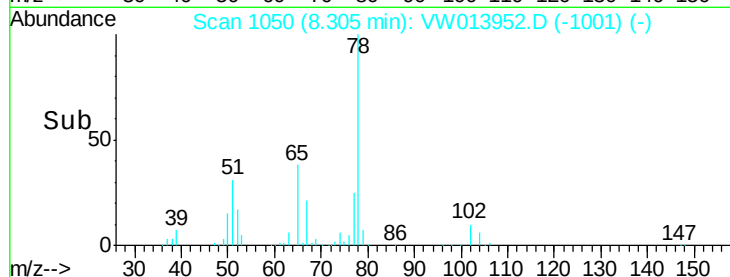
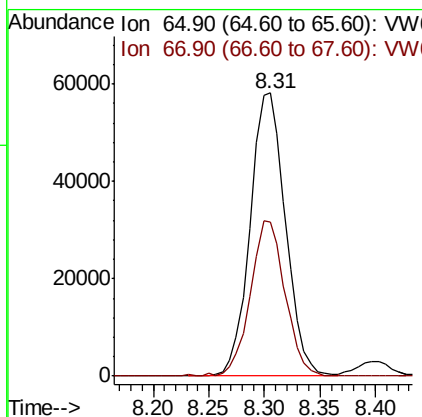
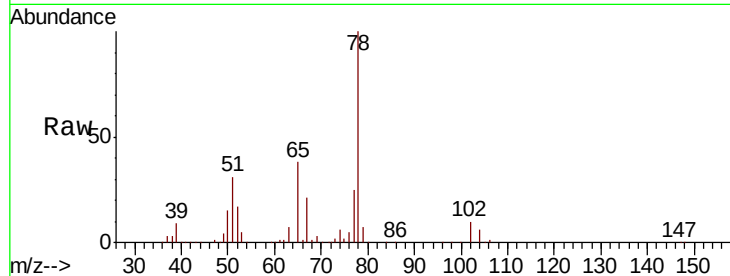
#33
 1,2-Dichloroethane-d4
 Concen: 51.843 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128631		
67	53.9	0.0	109.4	

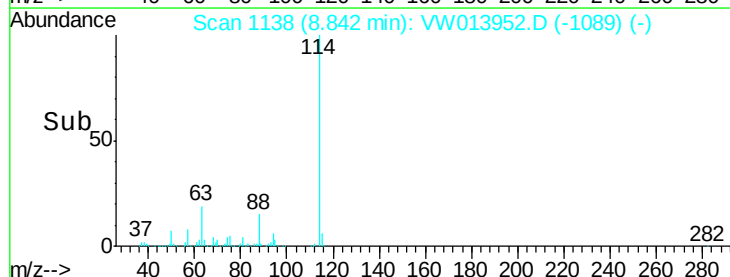
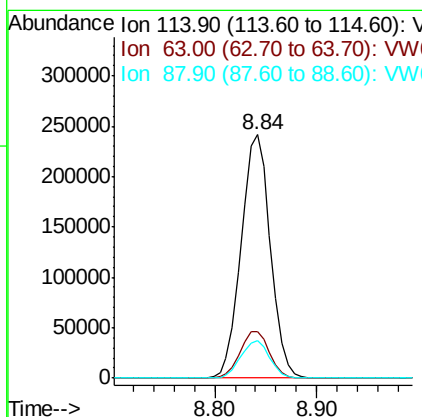
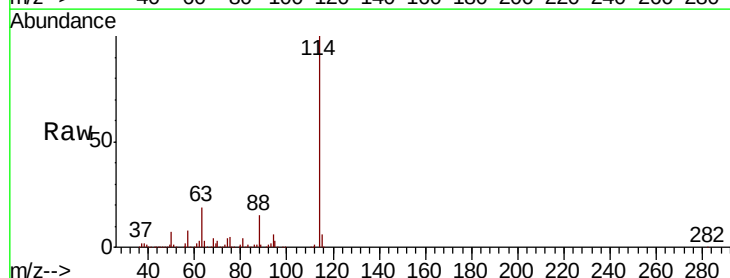
Manual Integrations
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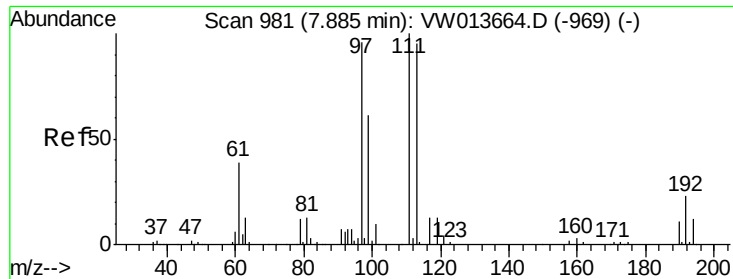
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	480124		
63	19.0	0.0	37.6	
88	15.4	0.0	30.2	





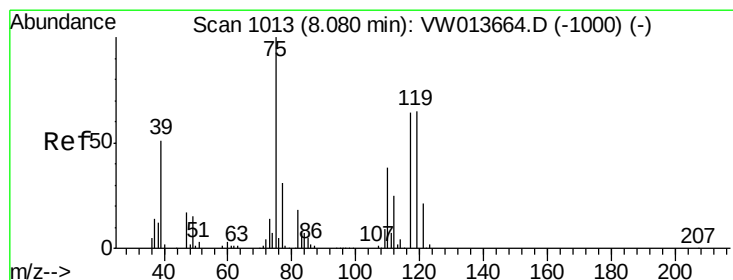
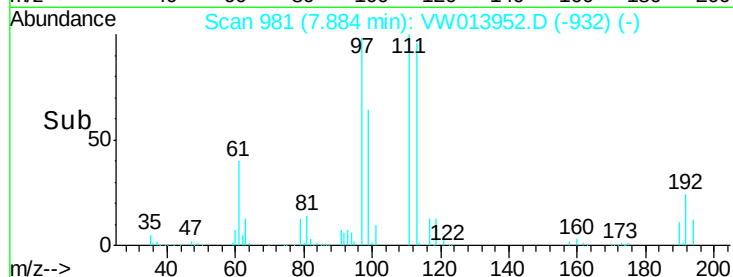
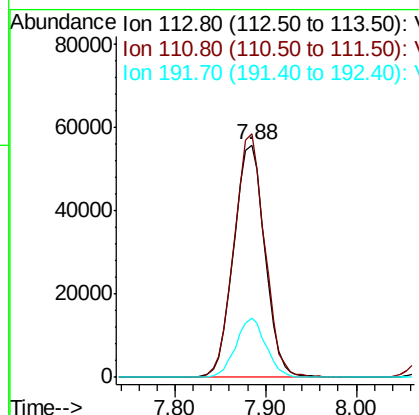
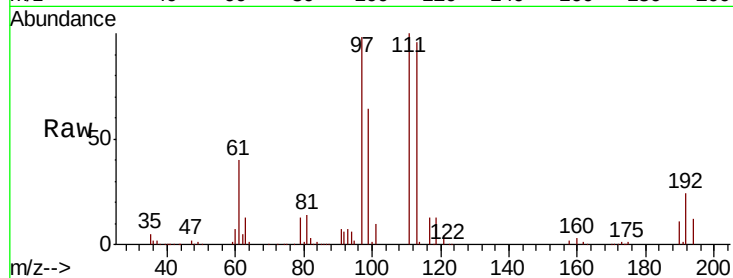
#35
 Dibromofluoromethane
 Concen: 49.927 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133198		
111	102.8	83.0	124.6	
192	24.5	19.4	29.2	

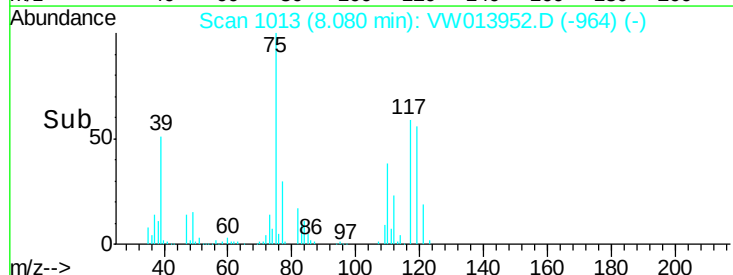
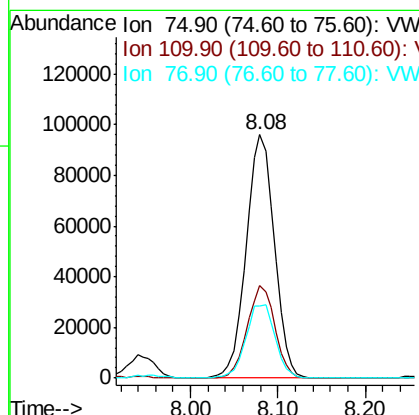
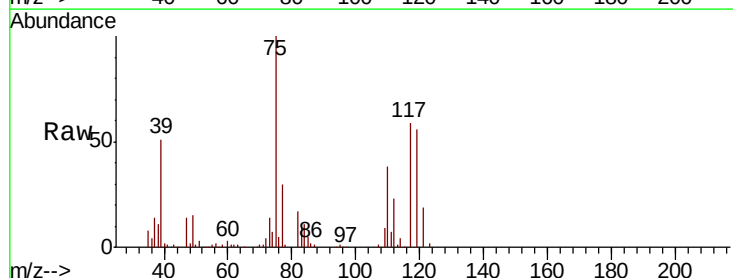
Manual Integrations
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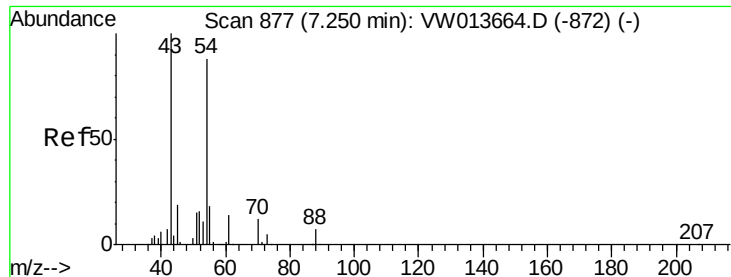
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#36
 1,1-Dichloropropene
 Concen: 47.977 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	214526		
110	37.1	18.7	56.1	
77	31.6	25.4	38.0	





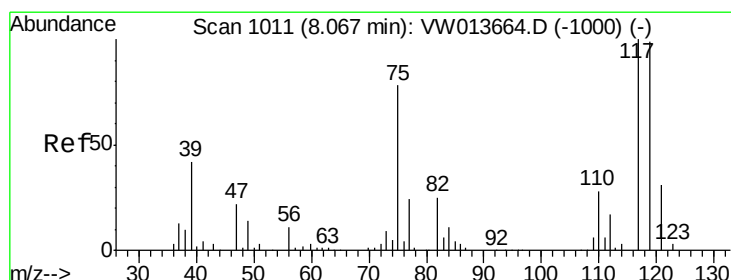
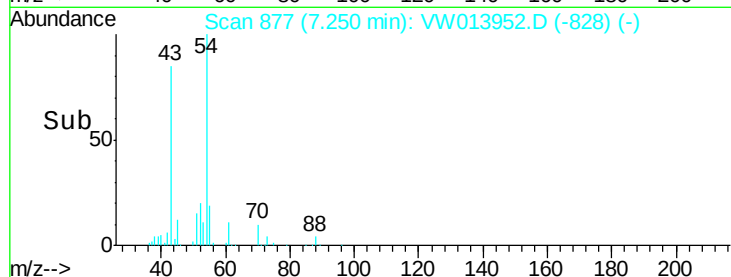
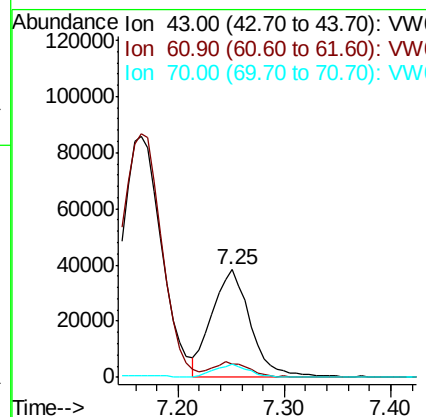
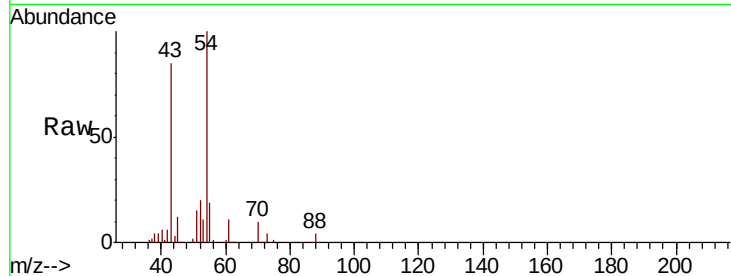
#37
Ethyl Acetate
Concen: 55.604 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.7	17.5
70	11.1	8.8	13.2

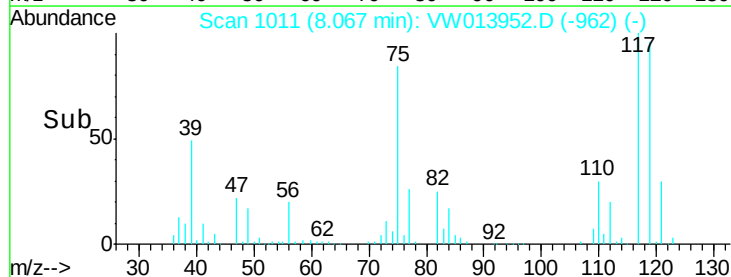
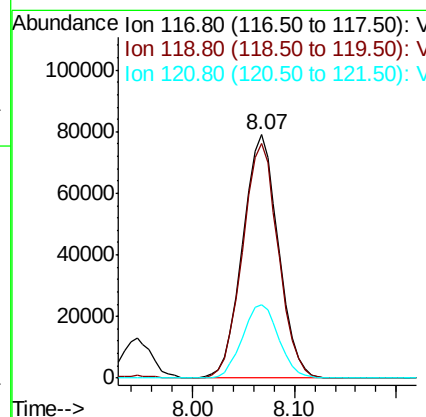
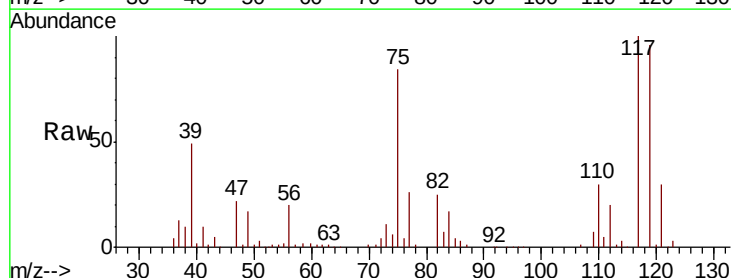
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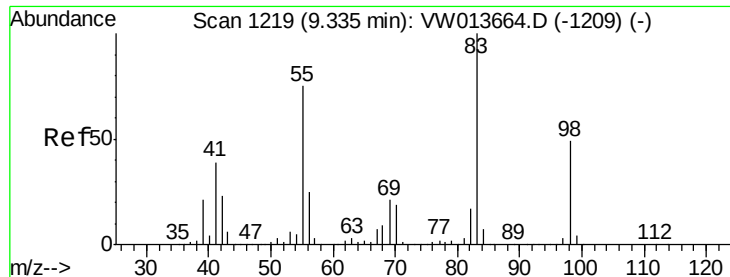
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.701 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	79.0	118.4
121	30.2	24.5	36.7





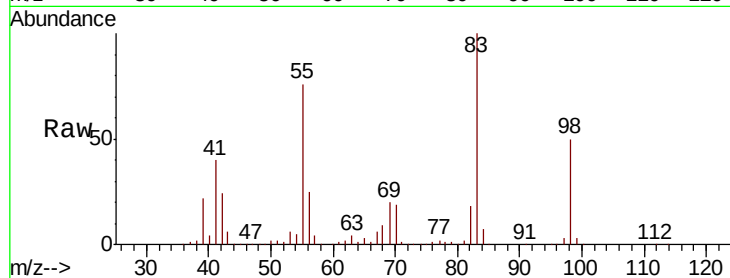
#39
Methylvlcyclohexane
Concen: 49.472 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	59.9	89.9
98	49.8	39.4	59.2

Manual Integrations
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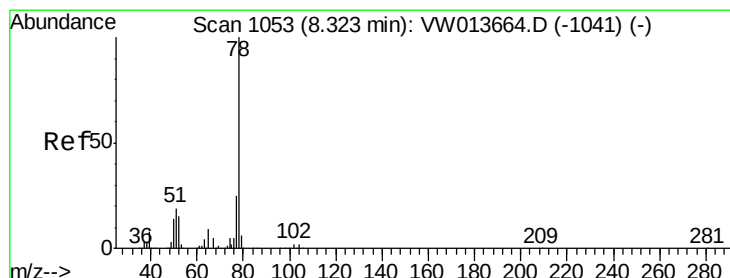
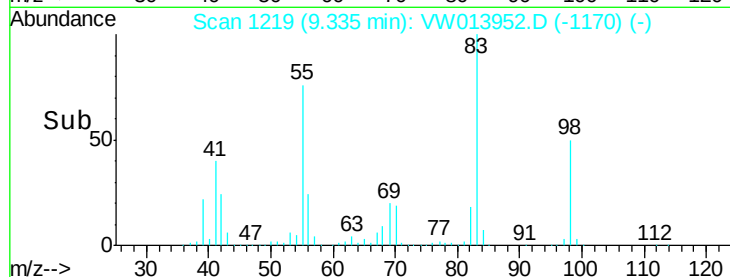
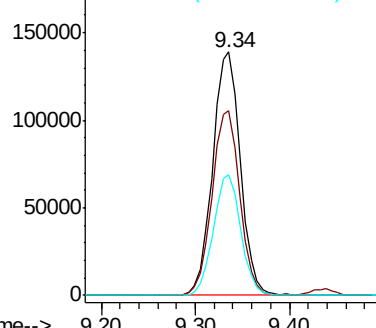


Abundance

Ion 83.00 (82.70 to 83.70): VW

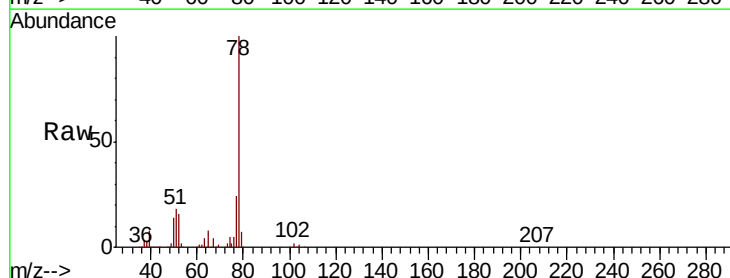
Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40
Benzene
Concen: 49.206 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

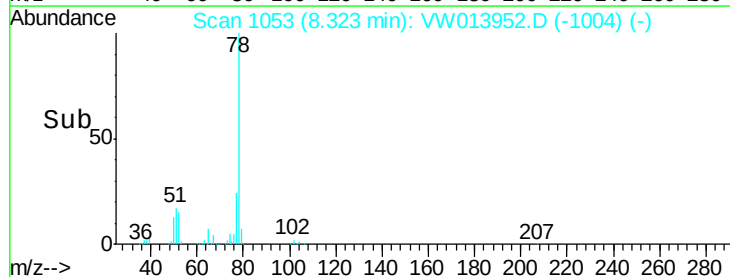
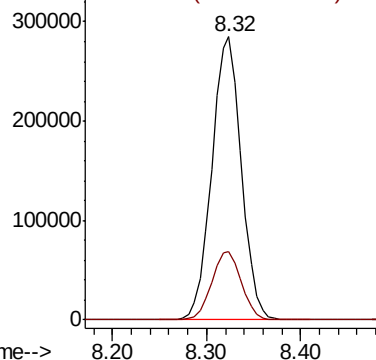
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.6	29.4

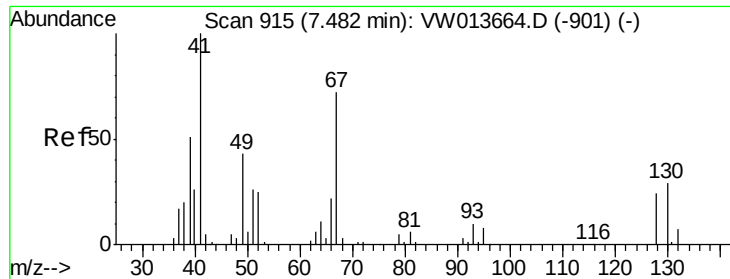


Abundance

Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 56.828 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

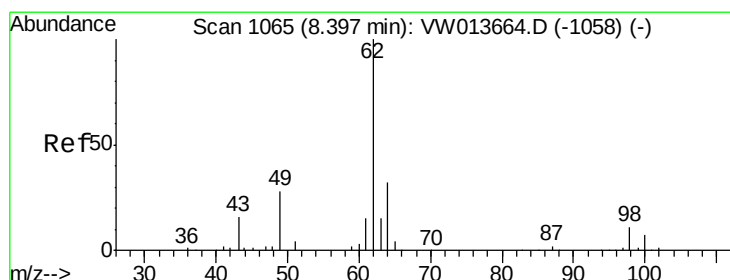
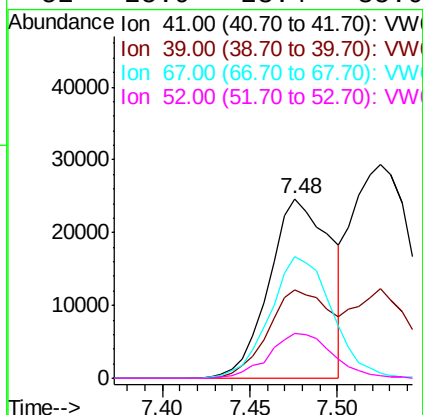
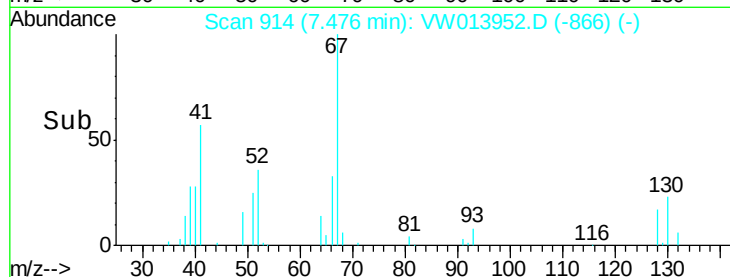
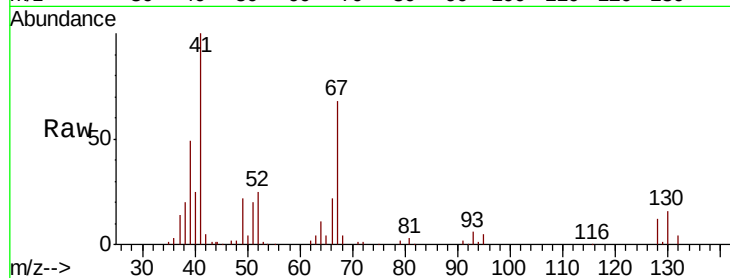
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	60657
Ion	Ratio	Lower	Upper
41	100		
39	50.2	44.8	67.2
67	68.7	59.3	88.9
52	25.9	23.4	35.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.101 ug/l

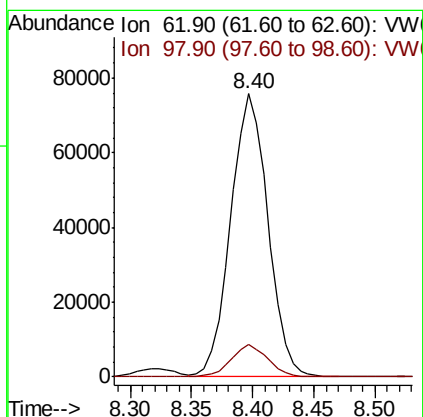
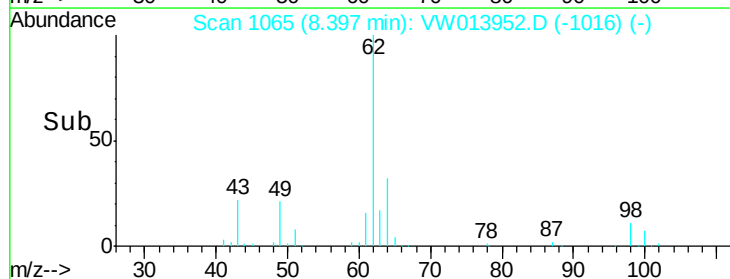
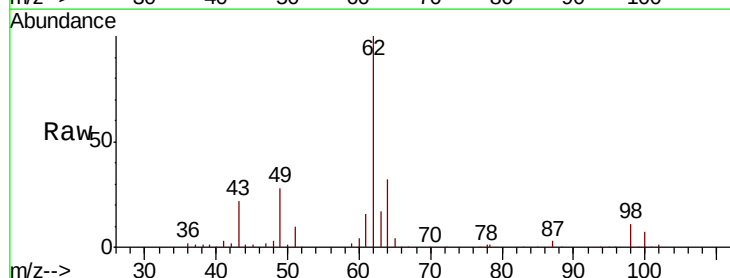
RT: 8.40 min Scan# 1065

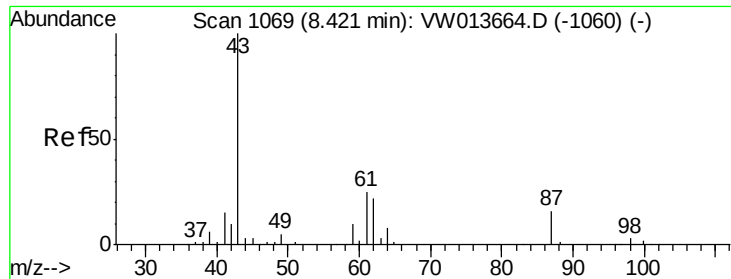
Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Tgt Ion:	62	Resp:	159763
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.4





#43

Isopropyl Acetate

Concen: 56.426 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

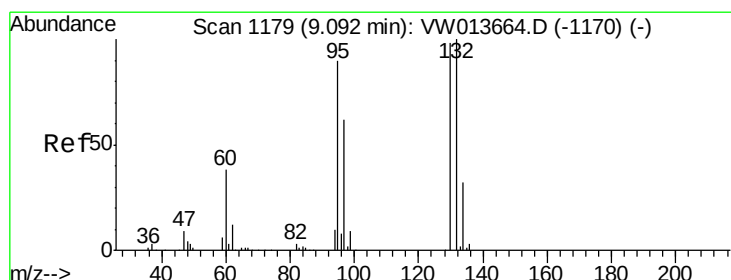
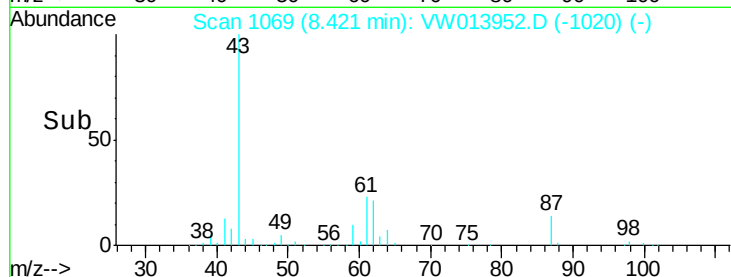
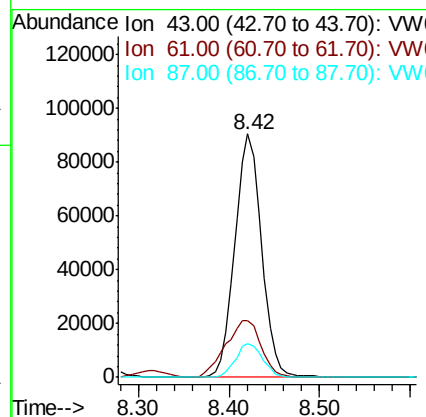
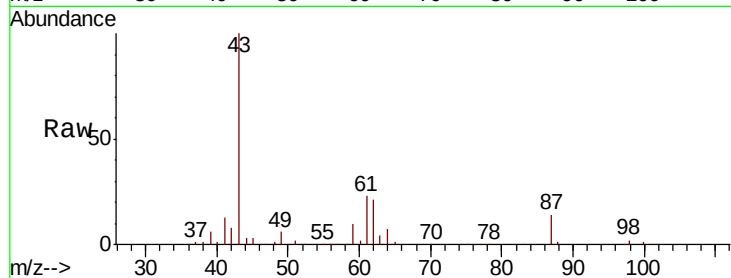
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	184871
Ion	Ratio	Lower	Upper
43	100		
61	31.2	26.1	39.1
87	14.0	11.4	17.0

Manual Integrations
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#44

Trichloroethene

Concen: 48.864 ug/l

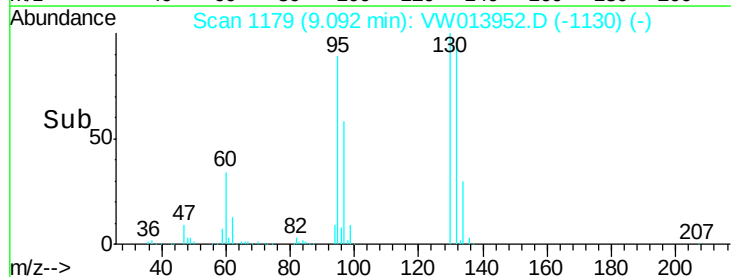
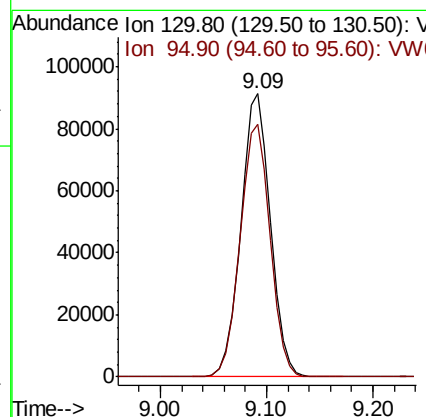
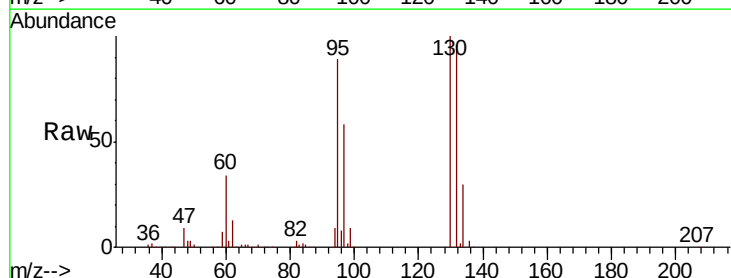
RT: 9.09 min Scan# 1179

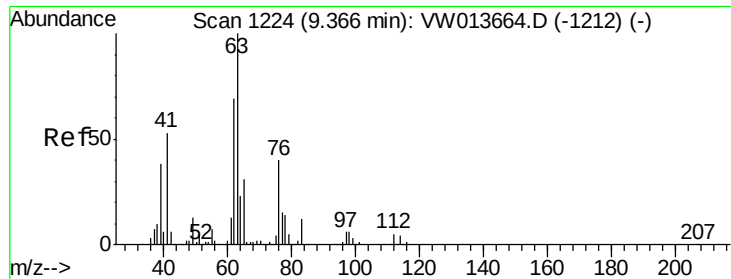
Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Tgt Ion:	130	Resp:	177121
Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	184.6





#45

1,2-Dichloropropane

Concen: 50.937 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 153958

Ion Ratio Lower Upper

63 100

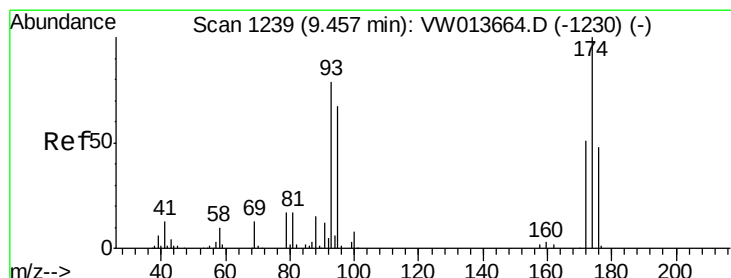
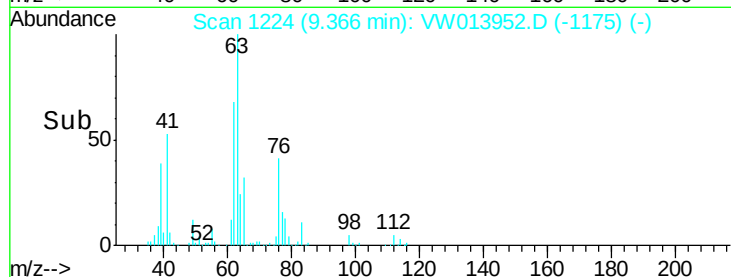
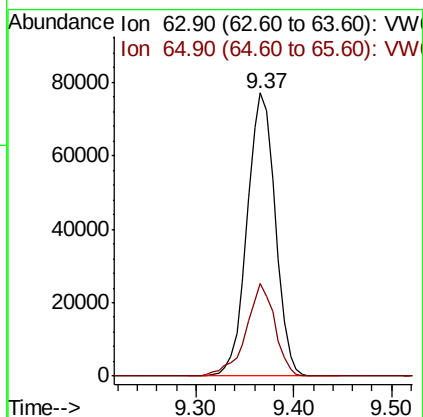
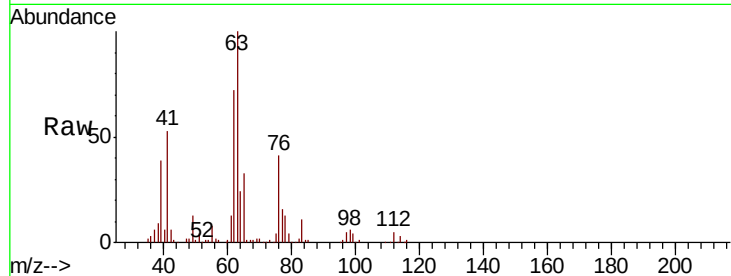
65 32.5 25.2 37.8

Manual Integrations

APPROVED

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#46

Dibromomethane

Concen: 50.976 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

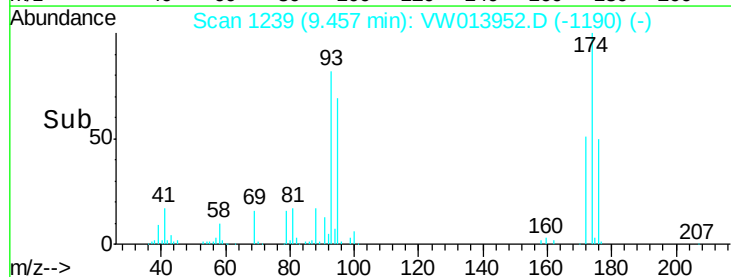
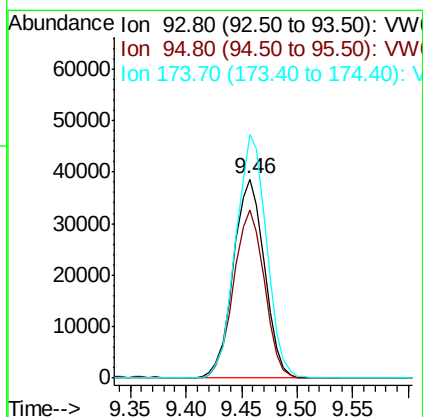
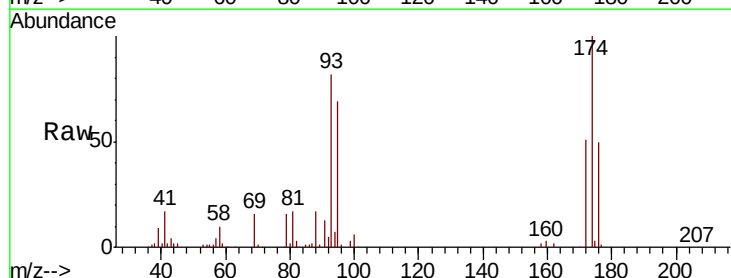
Tgt Ion: 93 Resp: 74783

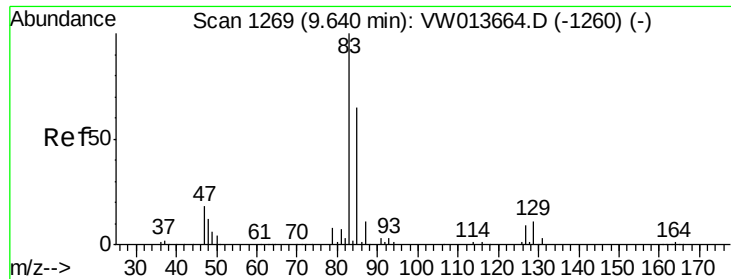
Ion Ratio Lower Upper

93 100

95 84.0 66.5 99.7

174 121.4 99.6 149.4





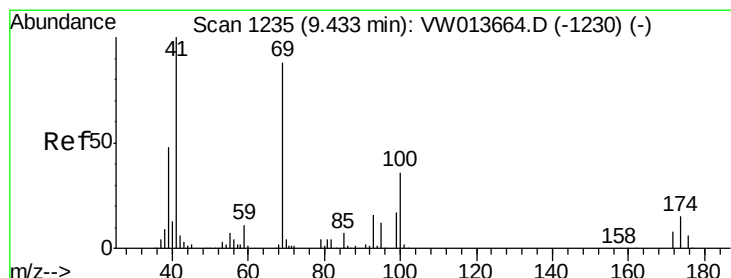
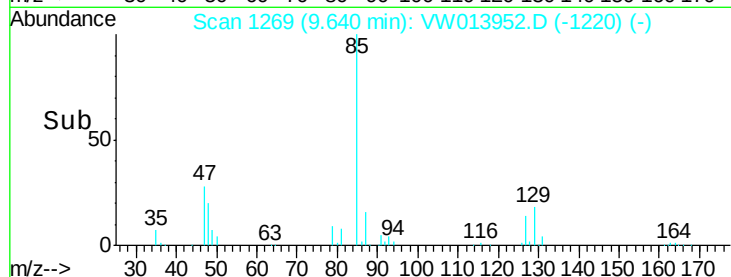
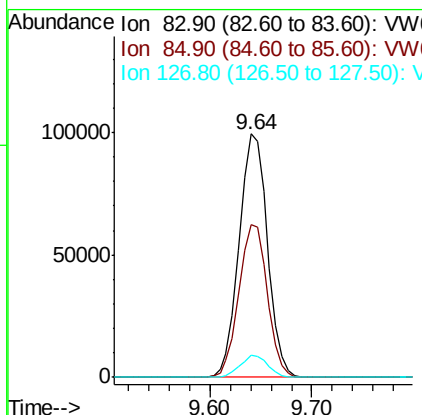
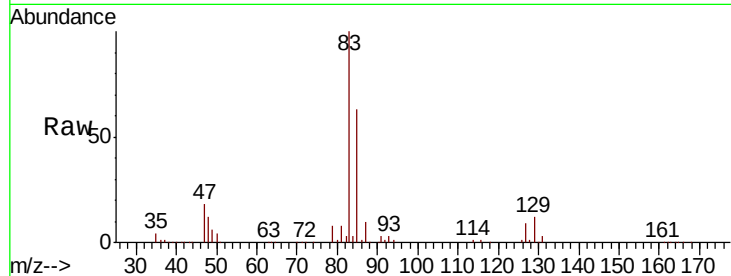
#47
Bromodichloromethane
Concen: 50.420 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	191382		
85	62.6	51.8	77.6	
127	9.0	7.3	10.9	

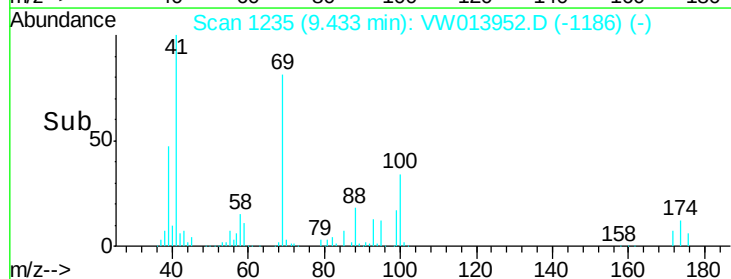
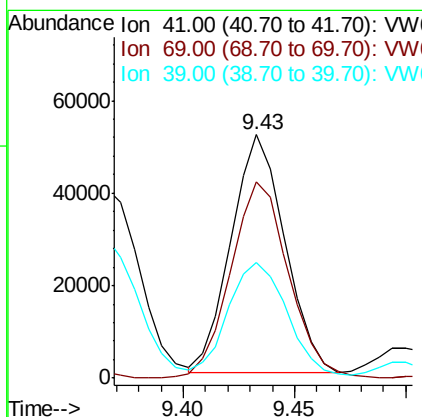
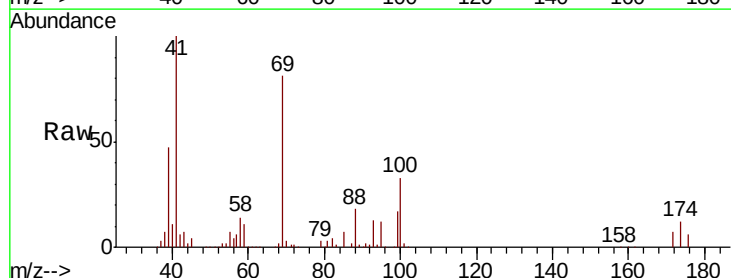
Manual Integrations
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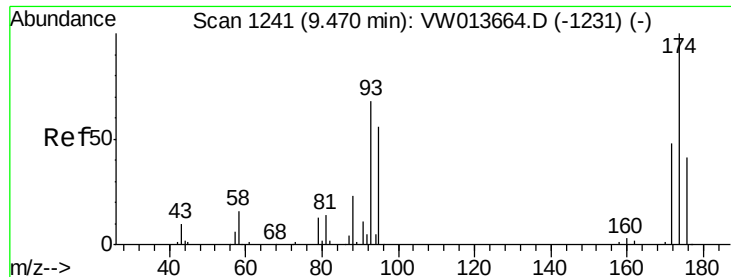
MMDadoda
11/12/2019 12:59:02 PM



#48
Methyl methacrylate
Concen: 52.985 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	86087		
69	89.2	67.6	101.4	
39	51.0	38.6	58.0	





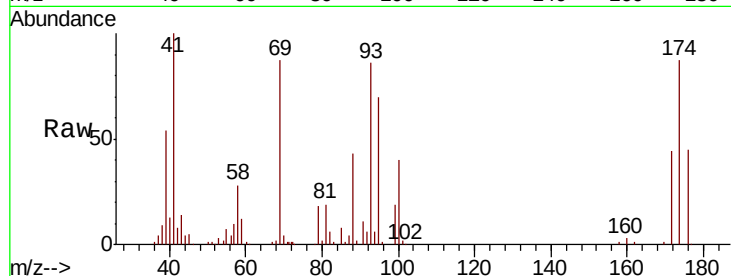
#49
1,4-Dioxane
Concen: 1235.629 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	26786
Ion	Ratio	Lower	Upper
88	100		
43	30.0	0.0	0.0#
58	69.7	58.9	88.3

Manual Integrations
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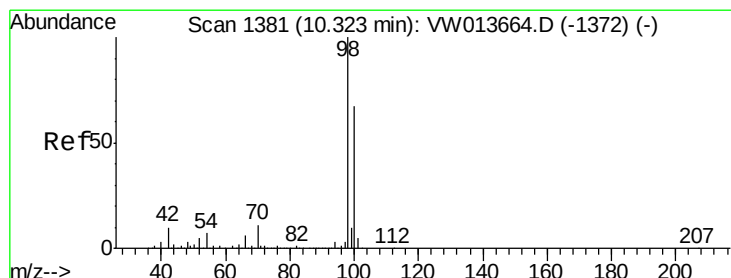
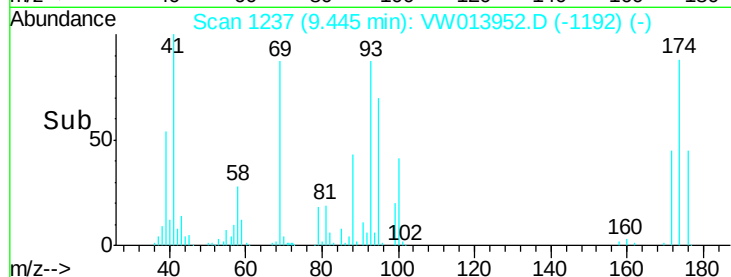
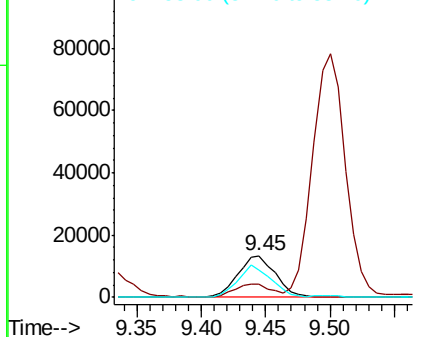


Abundance

Ion 88.00 (87.70 to 88.70): VW

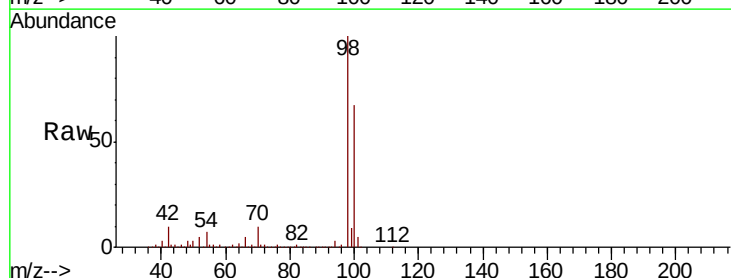
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 50.981 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

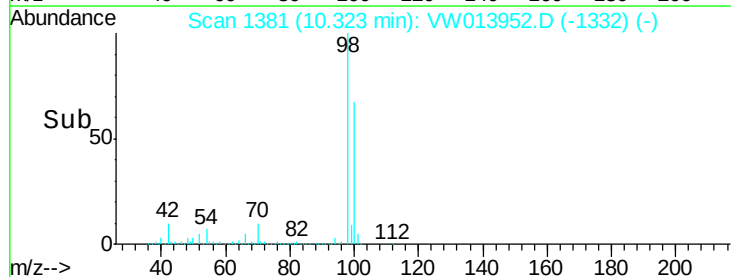
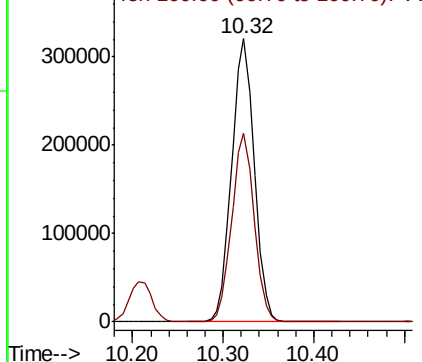
Tgt Ion	98	Resp	554202
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.4	80.0

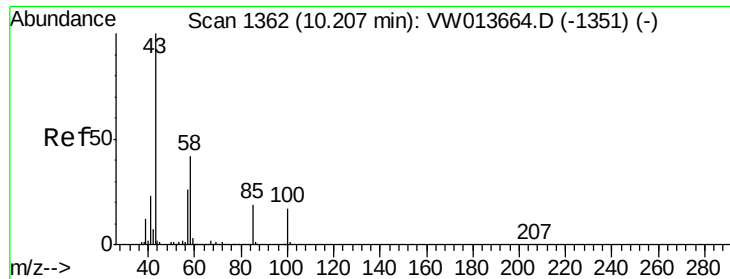


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





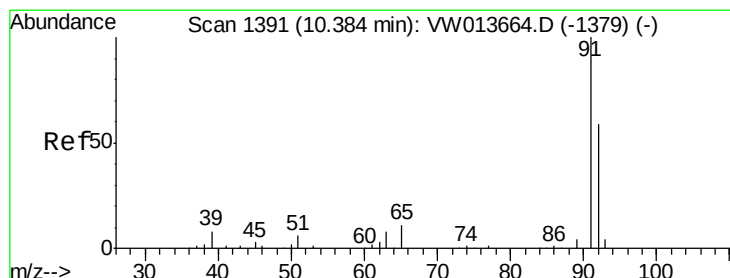
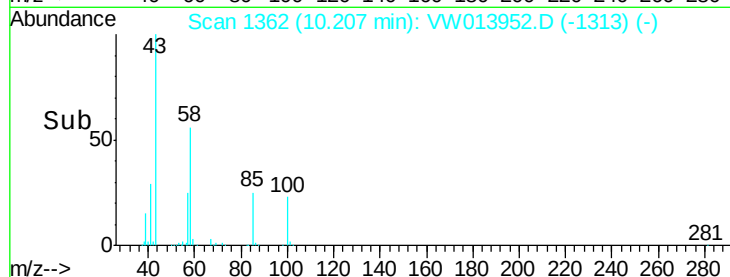
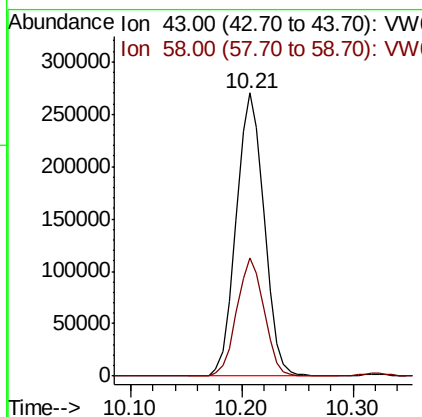
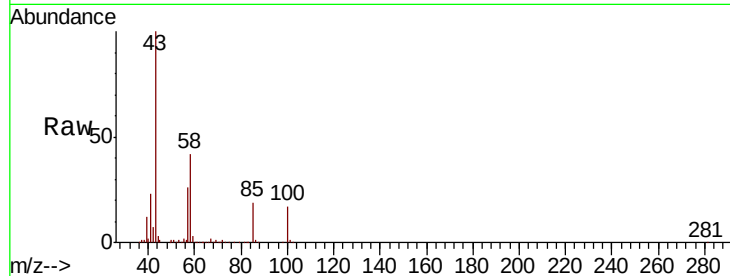
#51
4-Methyl-2-Pentanone
Concen: 287.153 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	467508
Ion Ratio	100	Lower	Upper
43	100		
58	41.0	32.6	49.0

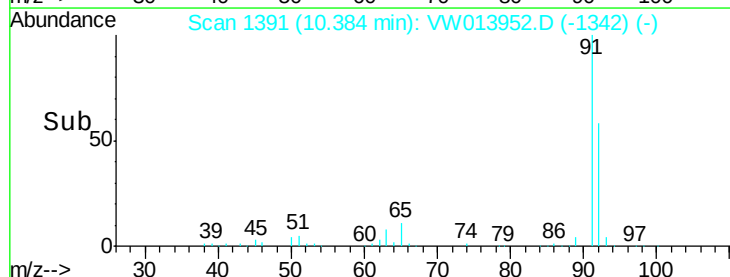
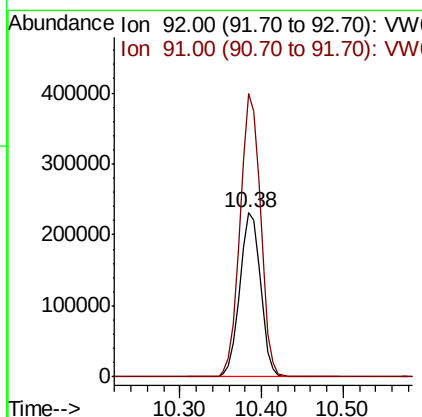
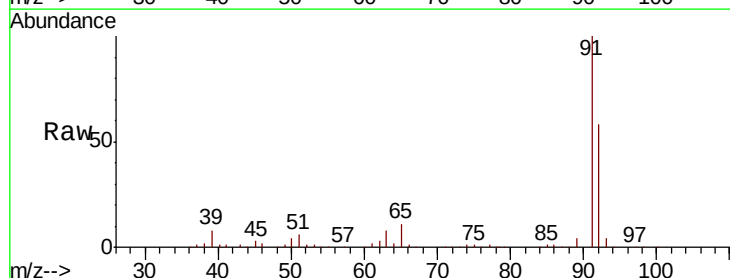
Manual Integrations
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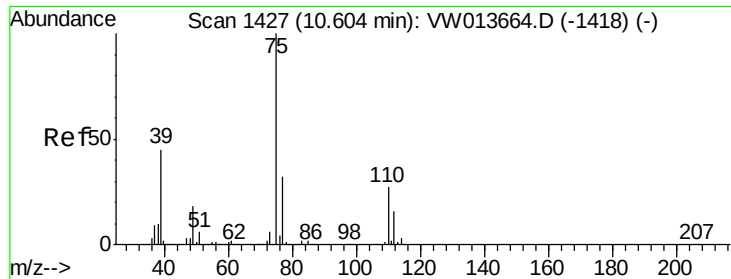
MMDadoda
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#52
Toluene
Concen: 49.337 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	92	Resp	402713
Ion Ratio	100	Lower	Upper
92	100		
91	171.1	134.5	201.7





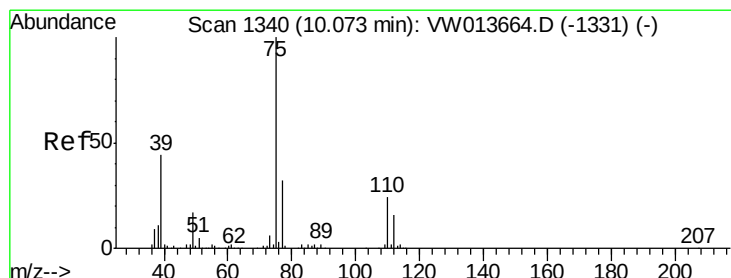
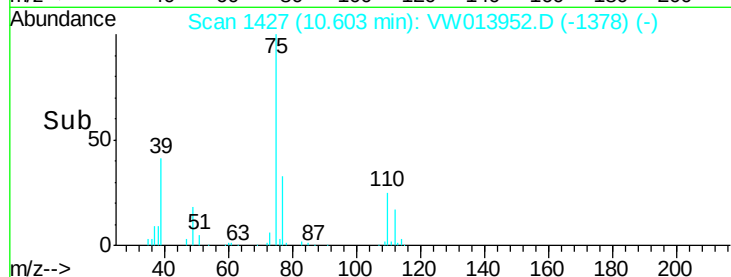
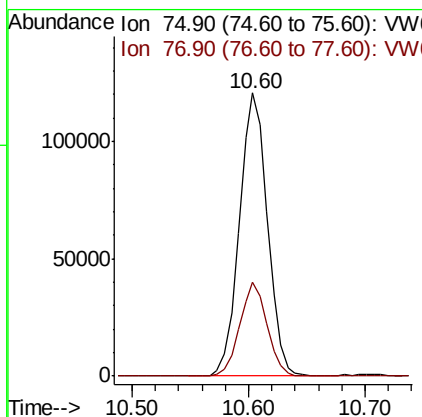
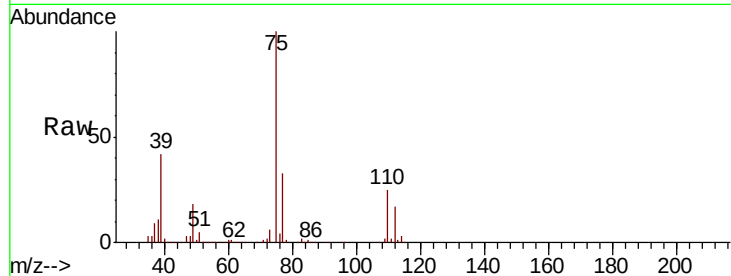
#53
 t-1,3-Dichloropropene
 Concen: 52.786 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.5	38.3

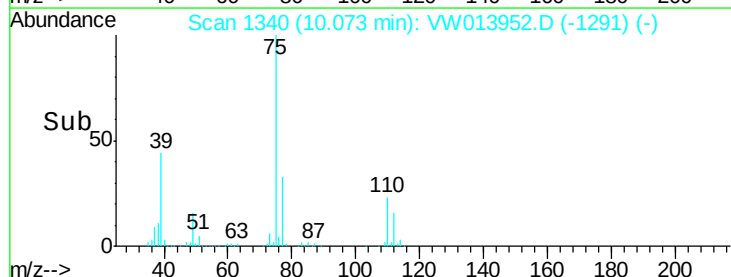
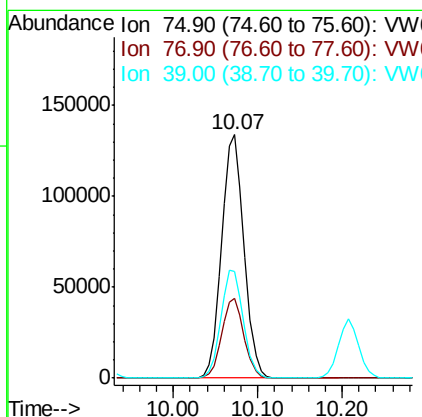
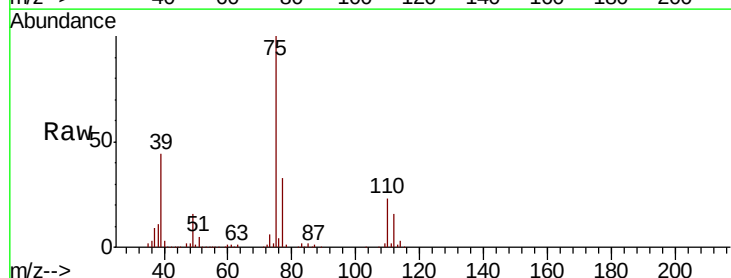
Manual Integrations
 APPROVED

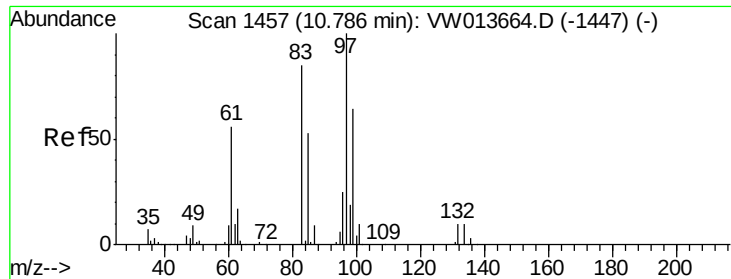
MMDadoda
 11/12/2019 12:59:02 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.538 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.8	38.6
39	43.9	35.3	52.9





#55

1,1,2-Trichloroethane

Concen: 52.432 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 114635

Ion Ratio Lower Upper

97 100

83 82.6 67.8 101.8

85 51.4 42.1 63.1

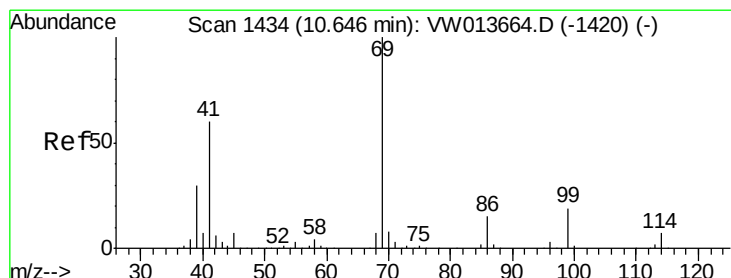
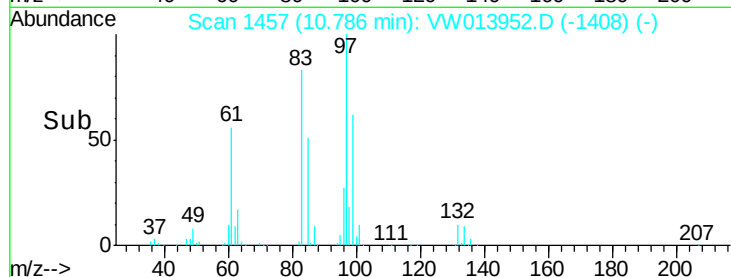
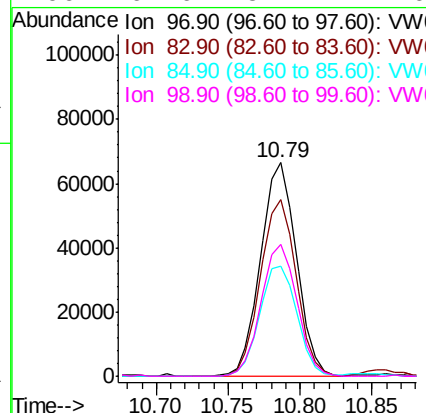
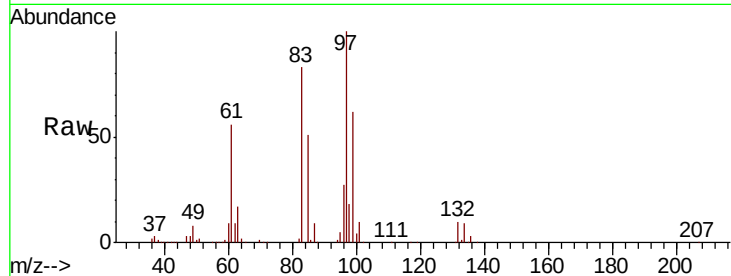
99 61.6 51.4 77.0

Manual Integrations

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#56

Ethyl methacrylate

Concen: 57.223 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

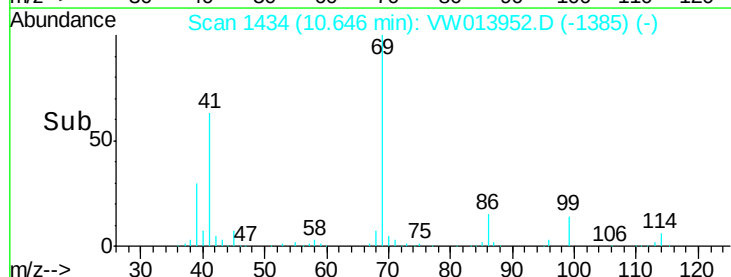
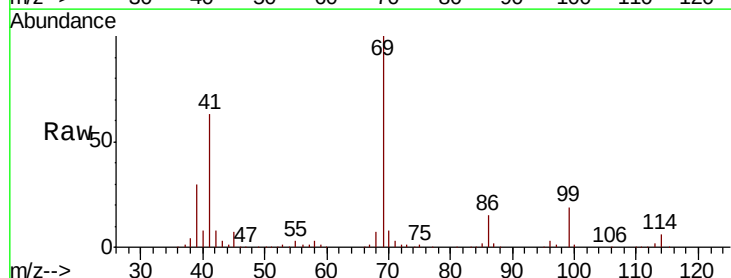
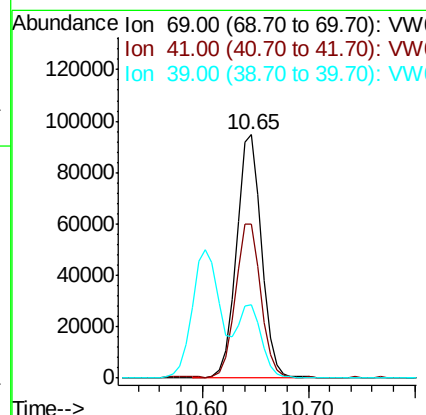
Tgt Ion: 69 Resp: 156526

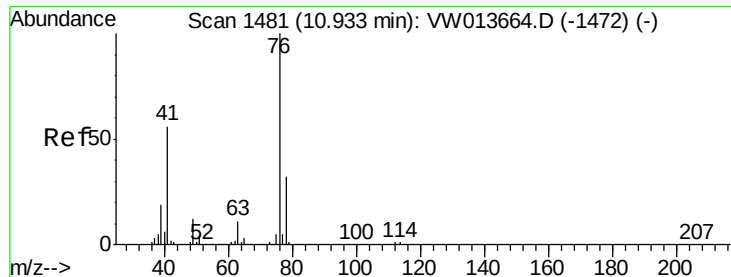
Ion Ratio Lower Upper

69 100

41 63.4 51.6 77.4

39 27.5 22.4 33.6





#57

1,3-Dichloropropane

Concen: 51.725 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 194068

Ion Ratio Lower Upper

76 100

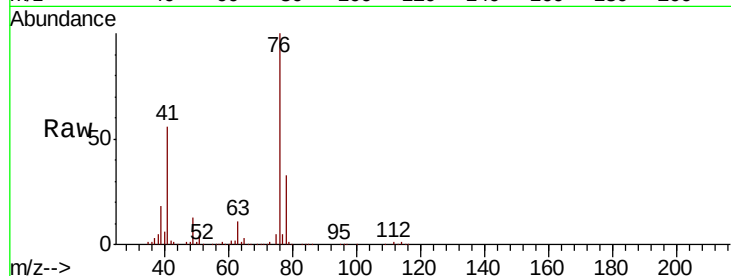
78 32.8 26.0 39.0

Manual Integrations

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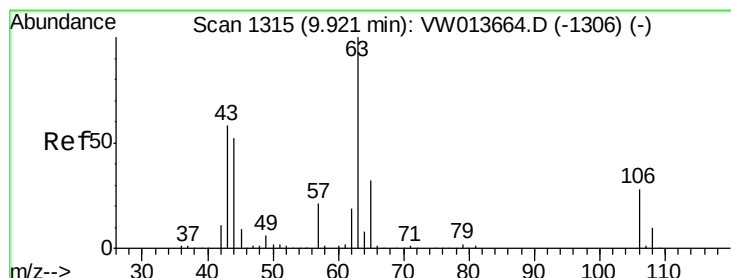
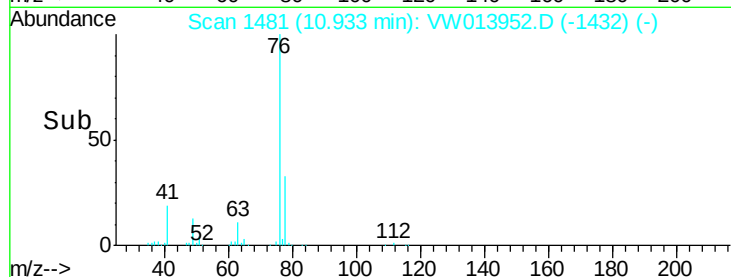
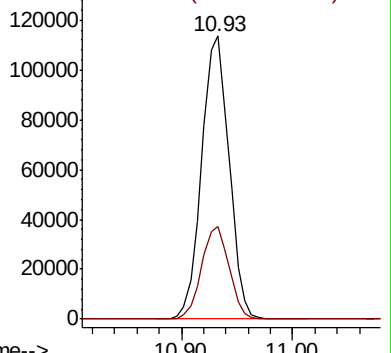
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 290.548 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013952.D

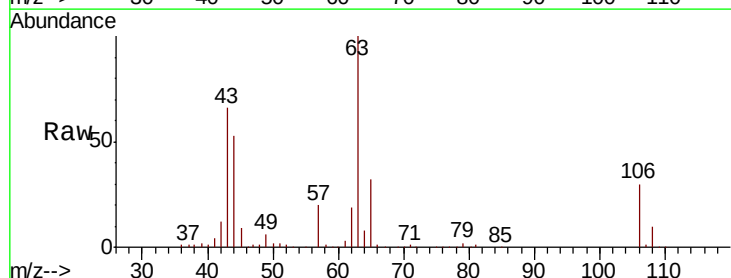
Acq: 08 Nov 2019 18:29

Tgt Ion: 63 Resp: 365778

Ion Ratio Lower Upper

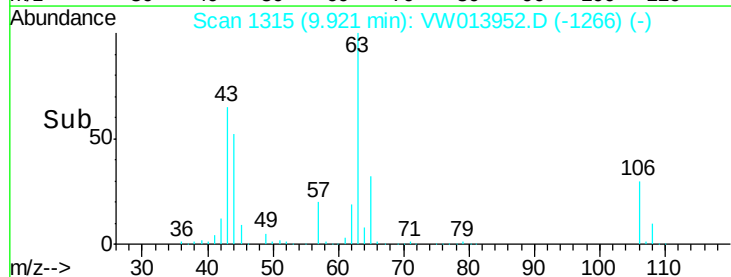
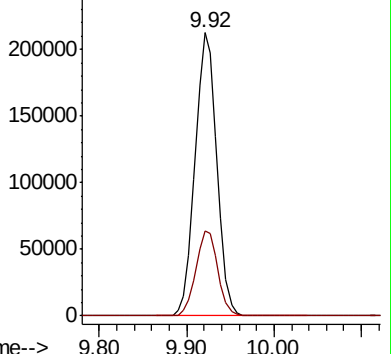
63 100

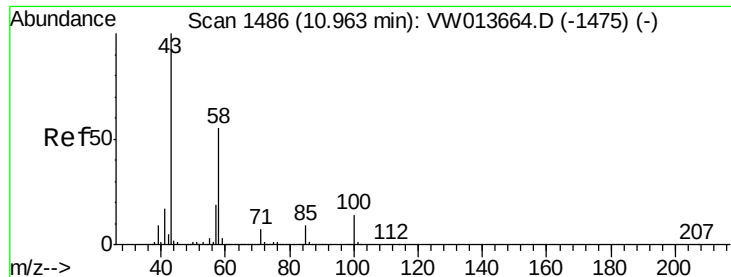
106 30.3 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





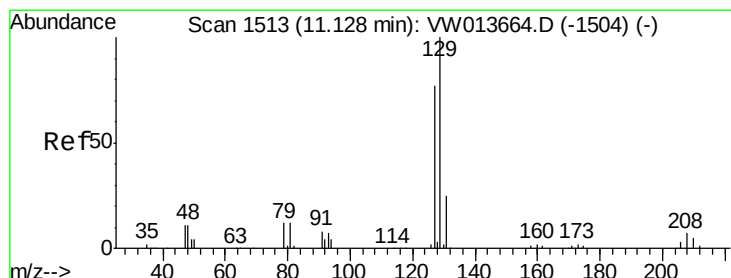
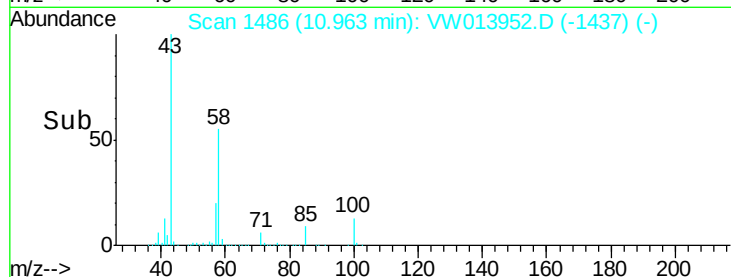
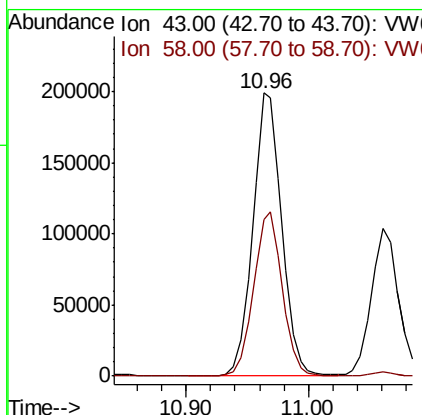
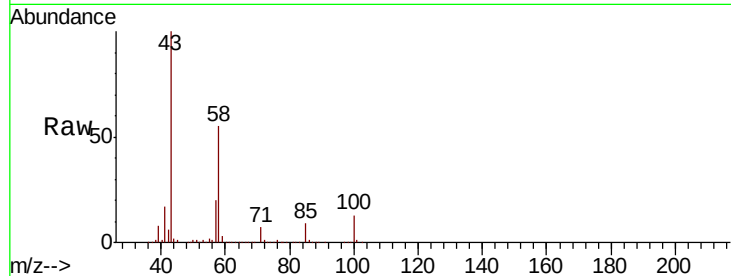
#59
2-Hexanone
Concen: 292.215 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	327979
Ion	Ratio	Lower	Upper
43	100		
58	57.5	27.9	83.7

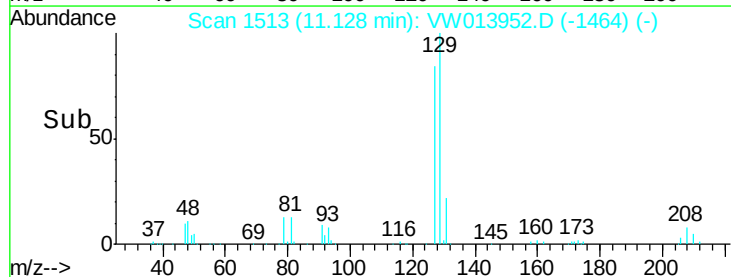
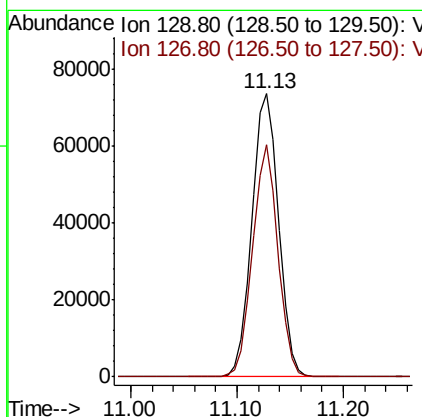
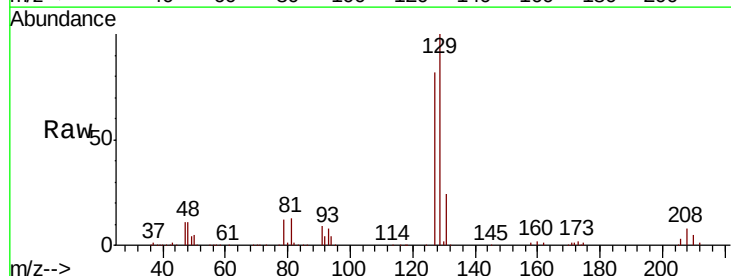
Manual Integrations
APPROVED

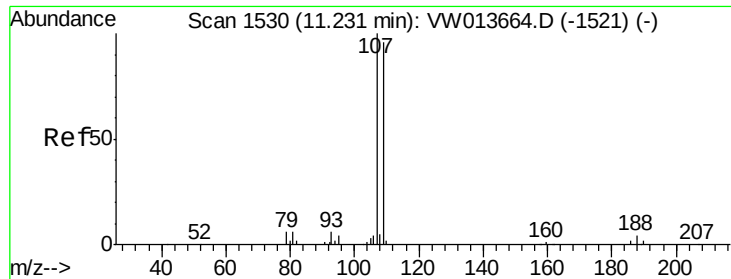
MMDadoda
11/12/2019 12:59:02 PM



#60
Dibromochloromethane
Concen: 49.962 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	129	Resp	129695
Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.9	116.7





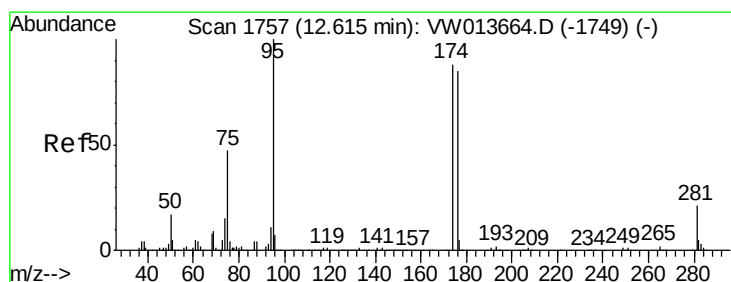
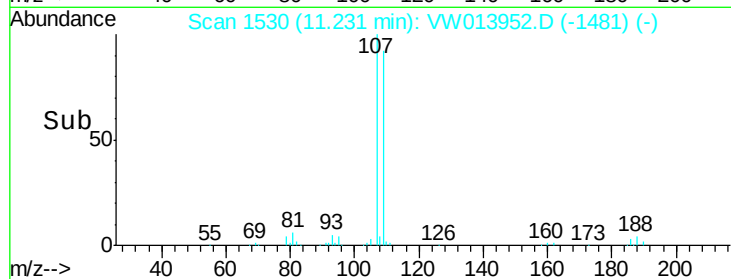
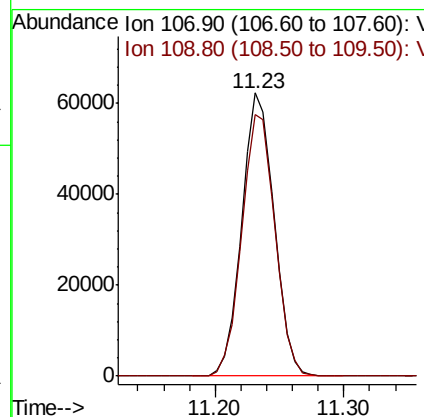
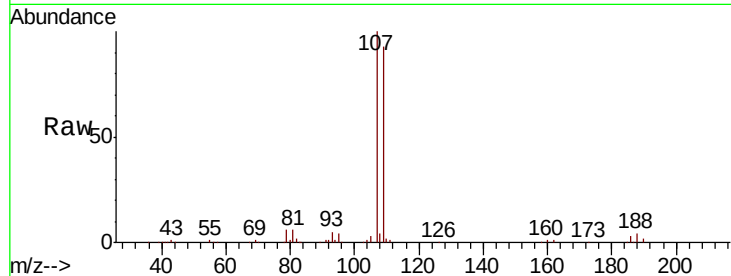
#61
 1,2-Dibromoethane
 Concen: 52.143 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.7	113.5

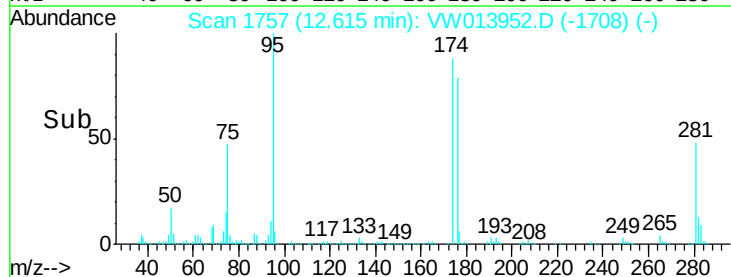
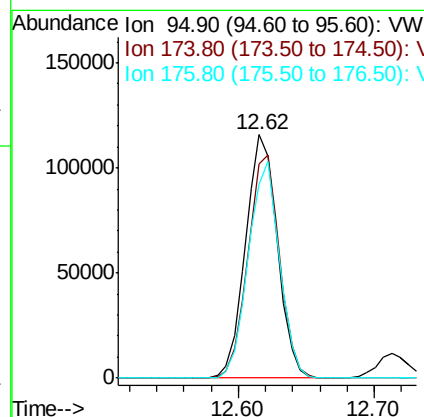
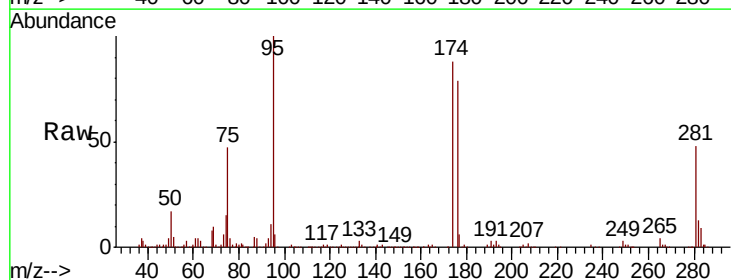
Manual Integrations
 APPROVED

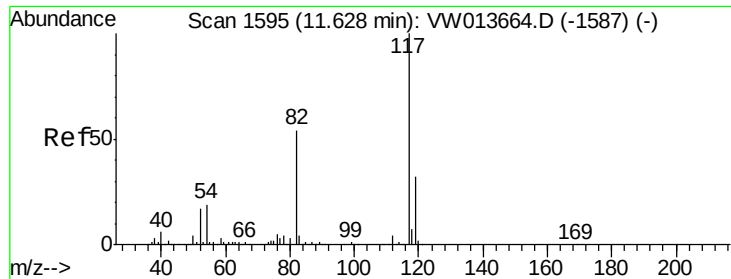
MMDadoda
 11/12/2019 12:59:02 PM



#62
 4-Bromofluorobenzene
 Concen: 51.332 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	183.6
176	87.6	0.0	178.0





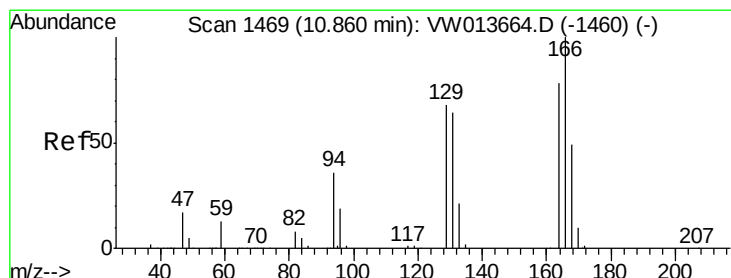
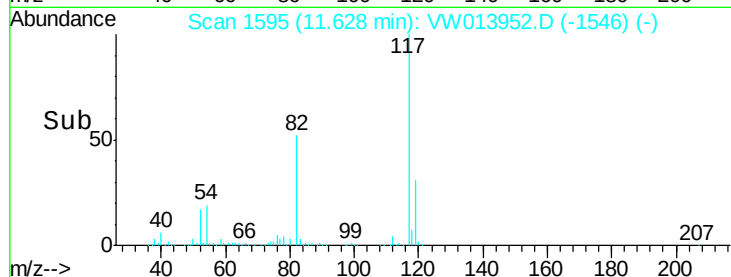
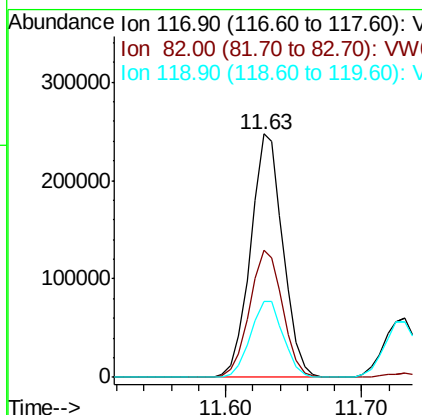
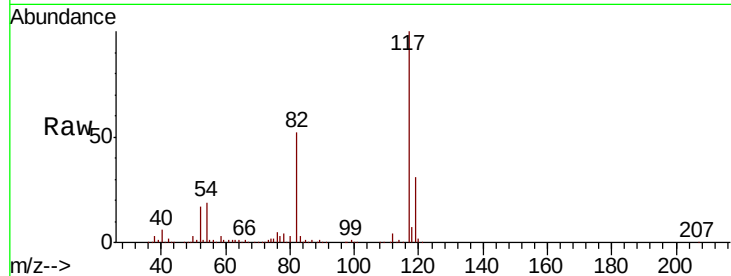
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	411940		
82	52.3		43.6	65.4
119	31.1		25.4	38.2

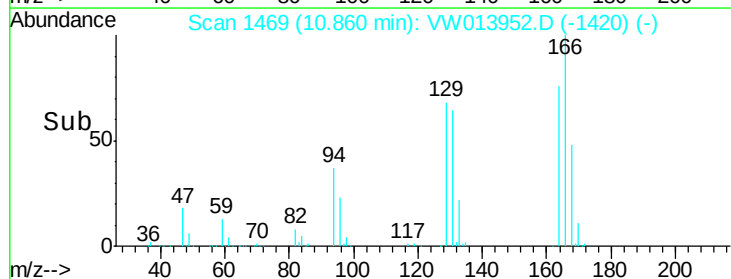
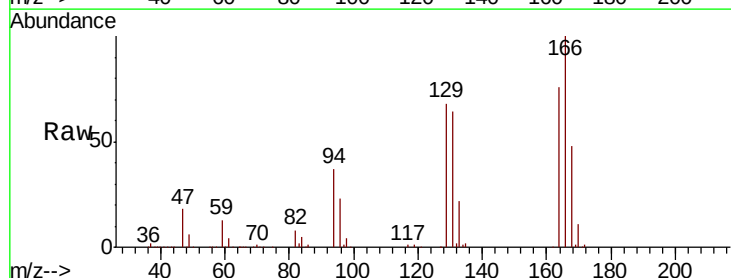
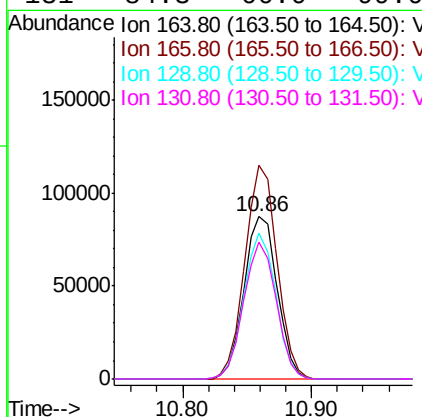
Manual Integrations
APPROVED

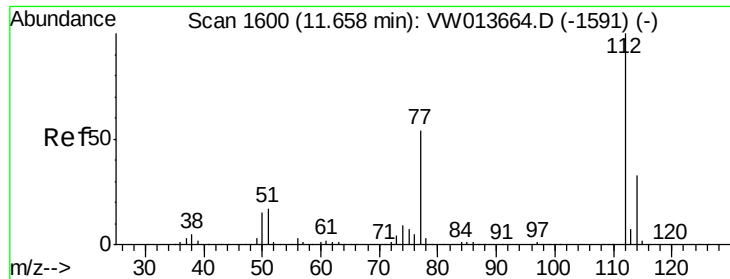
MMDadoda
11/12/2019 12:59:02 PM



#64
Tetrachloroethene
Concen: 49.352 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	155328		
166	131.7		103.2	154.8
129	89.9		70.6	105.8
131	84.3		66.0	99.0





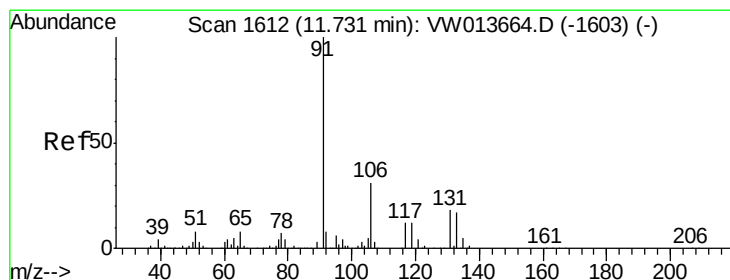
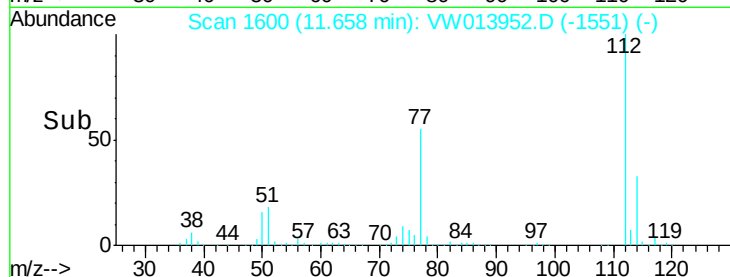
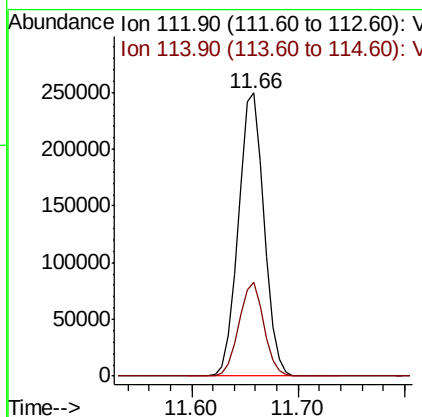
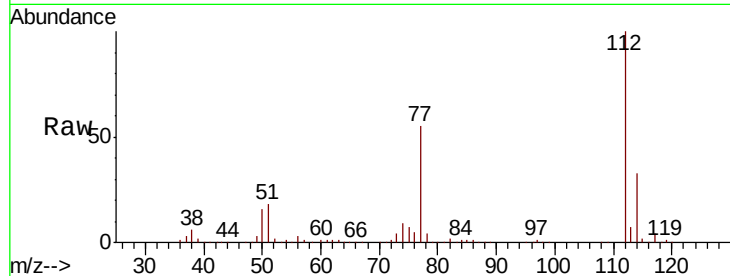
#65
Chlorobenzene
Concen: 49.885 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 422278
Ion Ratio Lower Upper
112 100
114 33.0 26.2 39.4

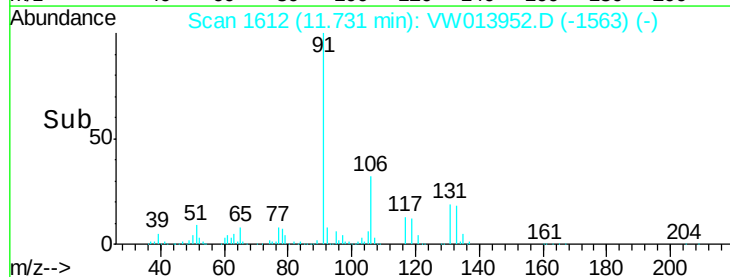
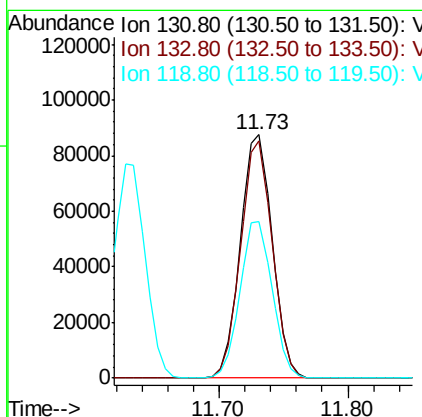
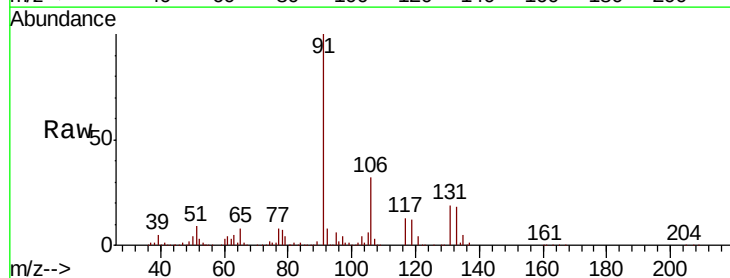
Manual Integrations
APPROVED

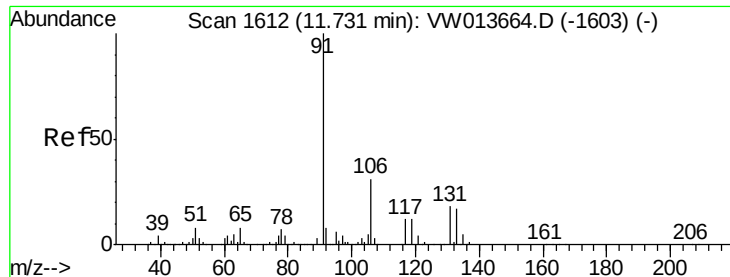
MMDadoda
11/12/2019 12:59:02 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.790 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion:131 Resp: 150049
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.3
119 65.0 33.1 99.2





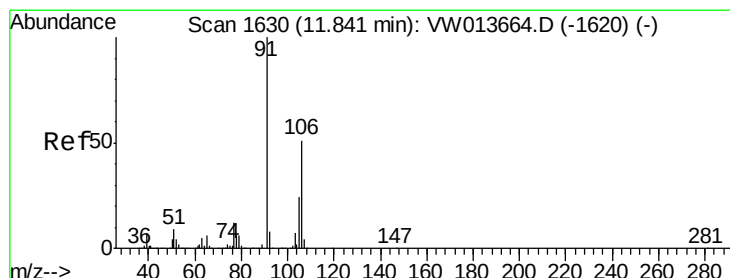
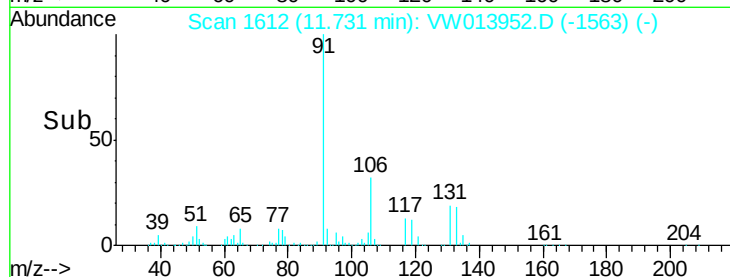
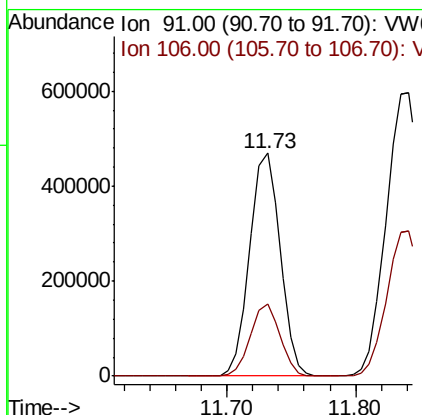
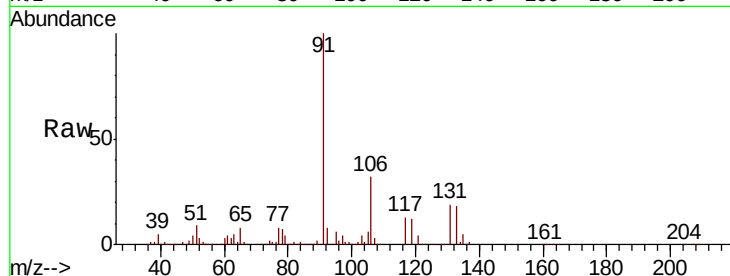
#67
Ethyl Benzene
Concen: 50.290 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 767630
Ion Ratio Lower Upper
91 100
106 32.3 25.0 37.6

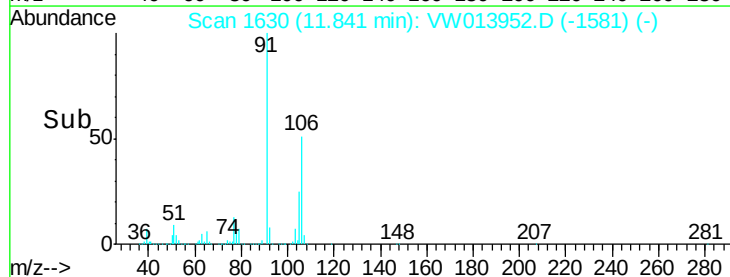
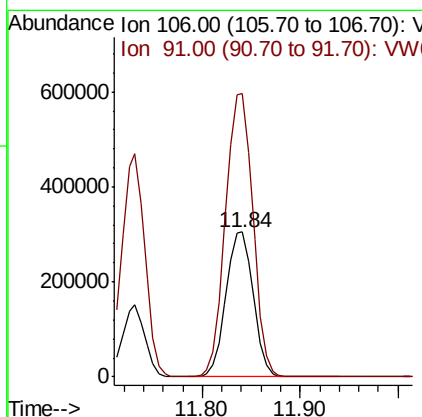
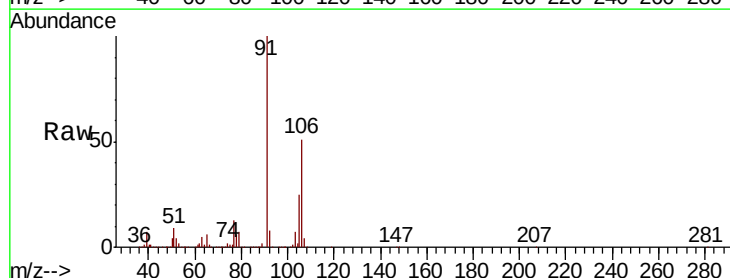
Manual Integrations
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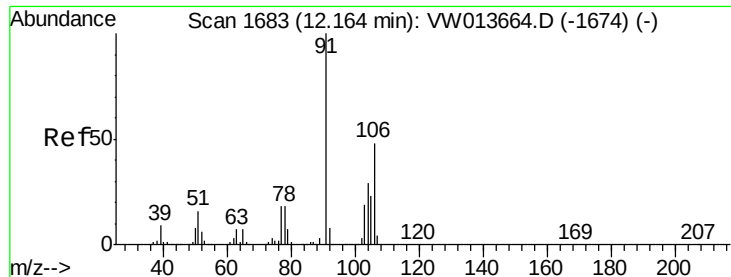
MMDadoda
11/12/2019 12:59:02 PM



#68
m/p-Xylenes
Concen: 99.799 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion: 106 Resp: 588541
Ion Ratio Lower Upper
106 100
91 197.3 159.2 238.8





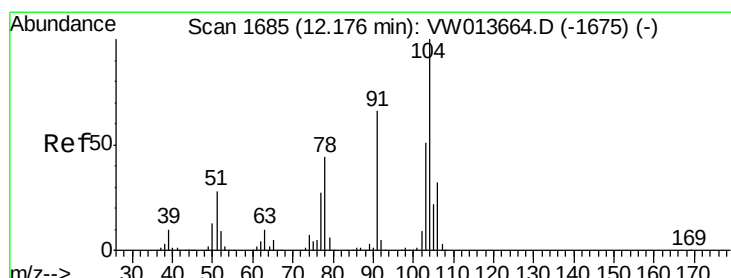
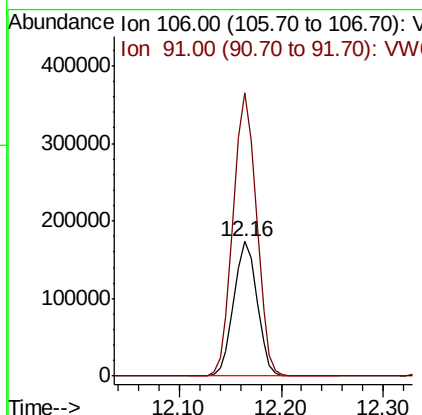
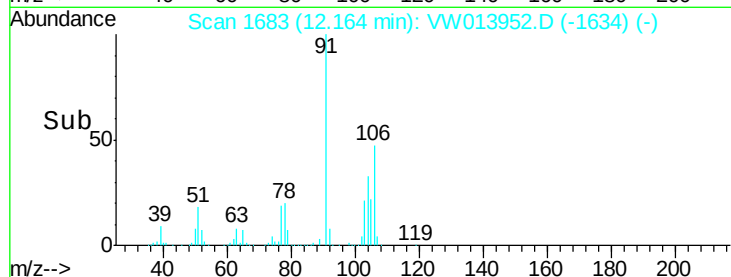
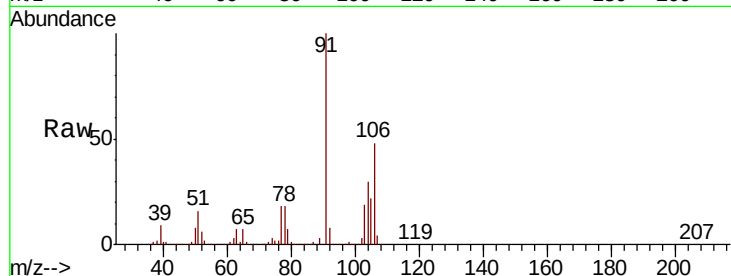
#69
o-Xylene
Concen: 50.625 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
274417	106			
106	100			
91	210.7	104.9	314.7	

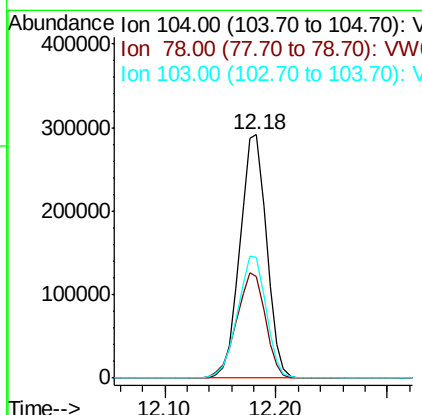
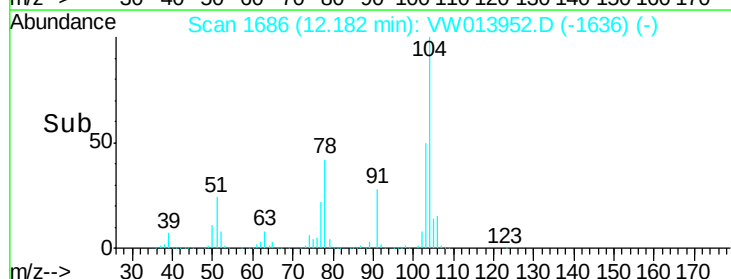
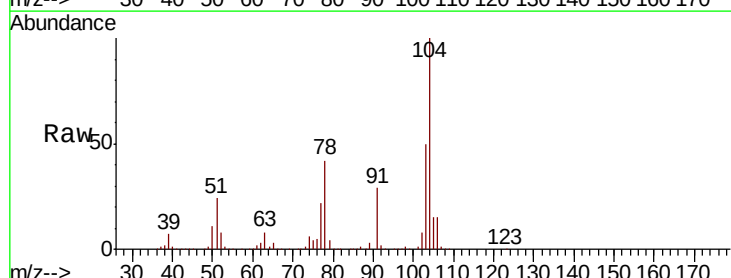
Manual Integrations
APPROVED

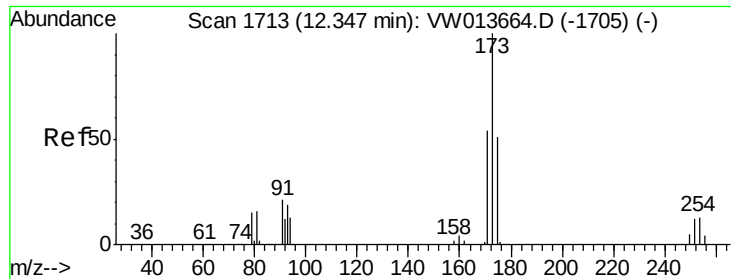
MMDadoda
11/12/2019 12:59:02 PM



#70
Styrene
Concen: 51.893 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ion	Ratio	Lower	Upper
483298	104			
104	100			
78	46.8	37.1	55.7	
103	53.8	43.6	65.4	





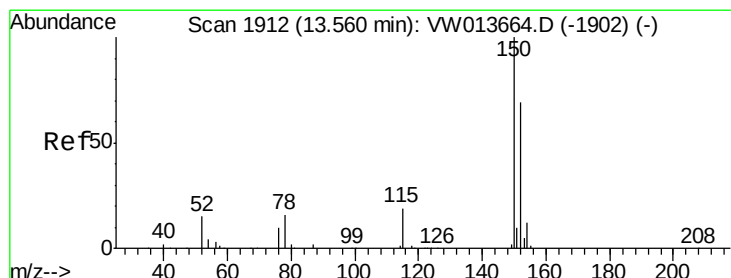
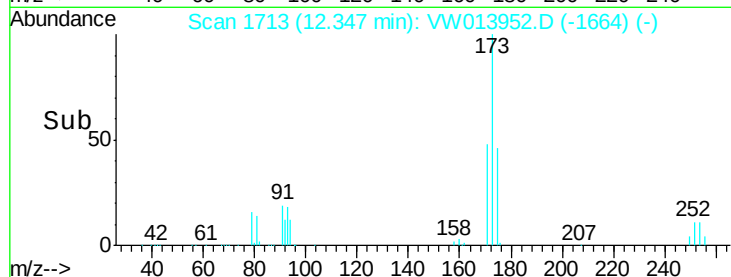
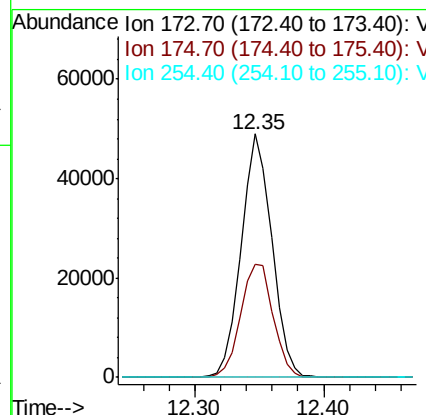
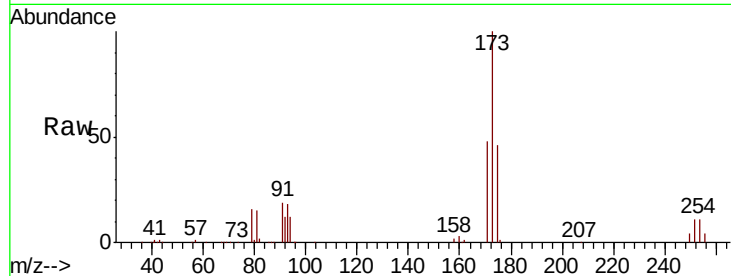
#71
Bromoform
Concen: 52.043 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	25.2	75.6
254	0.1	0.1	0.1

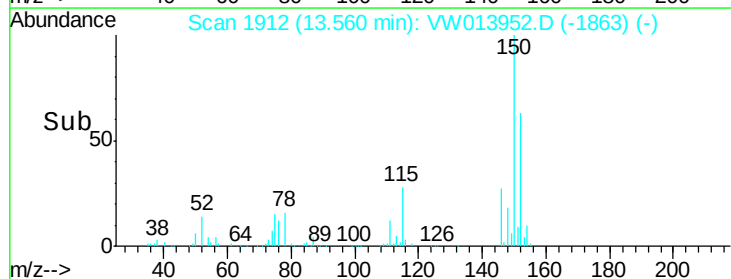
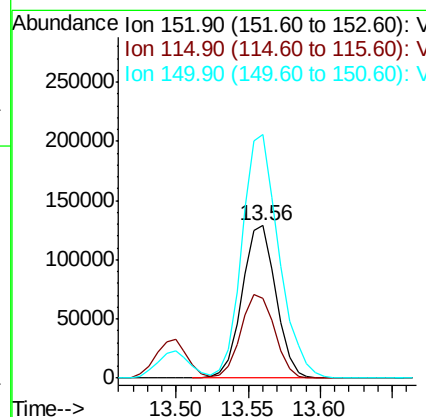
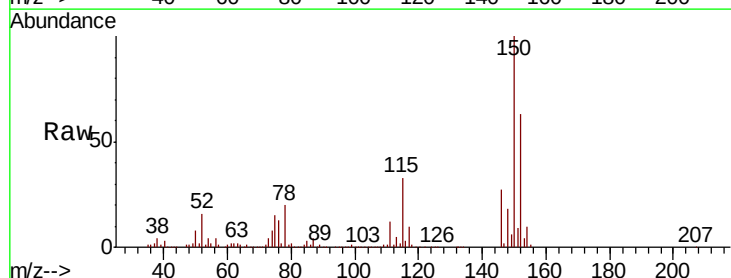
Manual Integrations
APPROVED

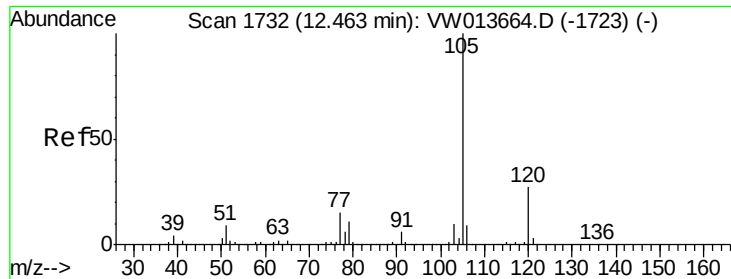
MMDadoda
11/12/2019 12:59:02 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.4	82.2
150	173.6	0.0	345.4





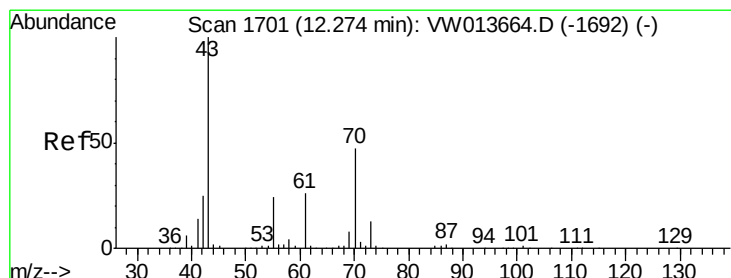
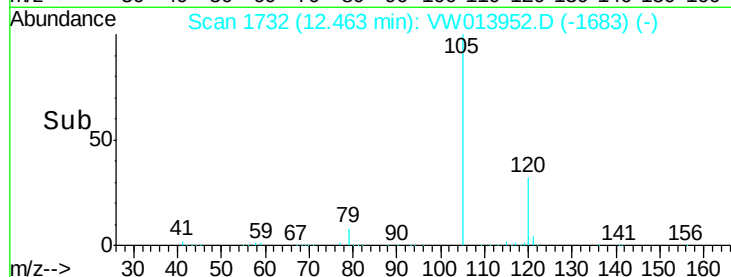
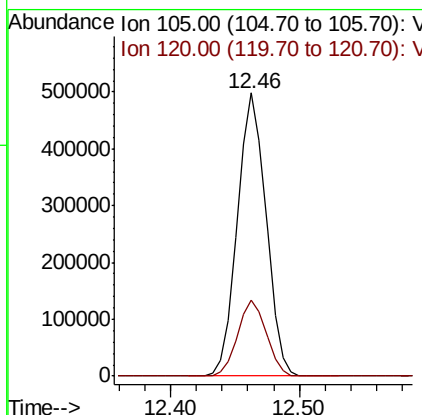
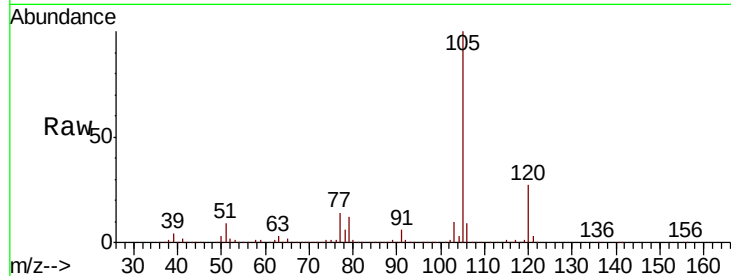
#73
Isopropylbenzene
Concen: 51.168 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.5	40.4

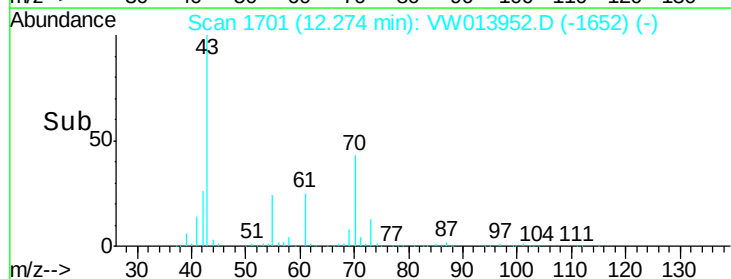
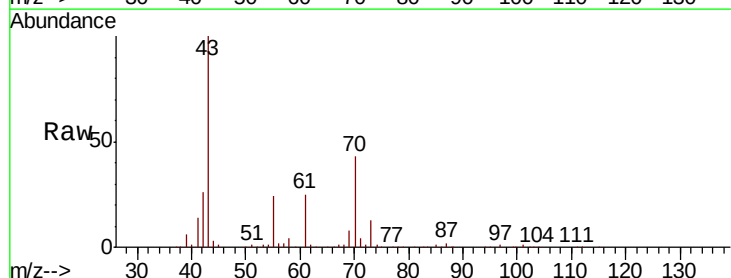
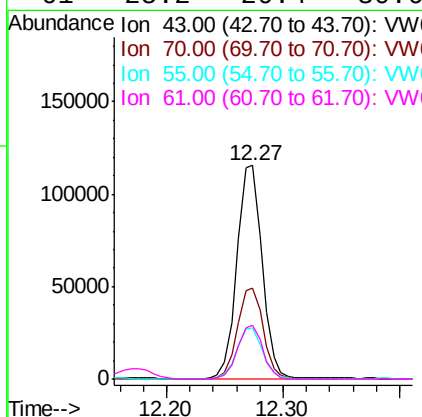
Manual Integrations
APPROVED

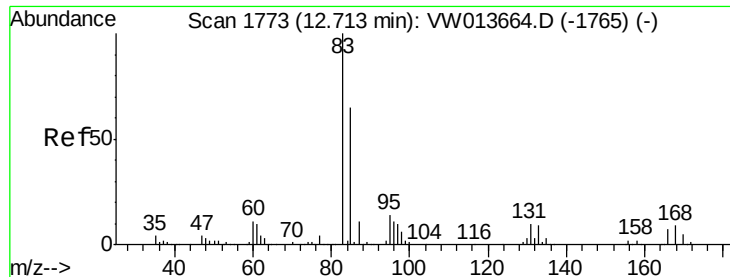
MMDadoda
11/12/2019 12:59:02 PM



#74
N-ethyl acetate
Concen: 60.459 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.5	36.6	55.0
55	24.1	20.3	30.5
61	25.2	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.810 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 127638

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.1

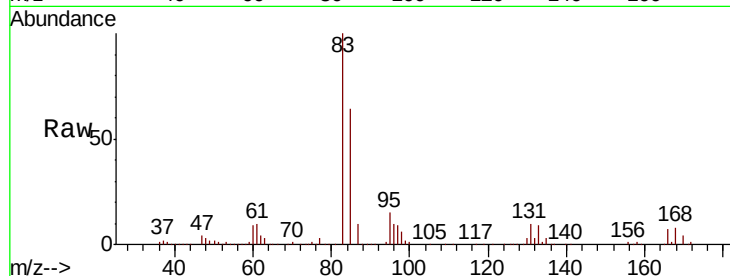
85 64.5 32.5 97.4

Manual Integrations

APPROVED

MMDadoda

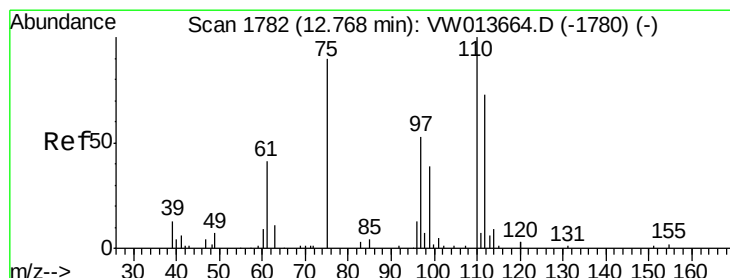
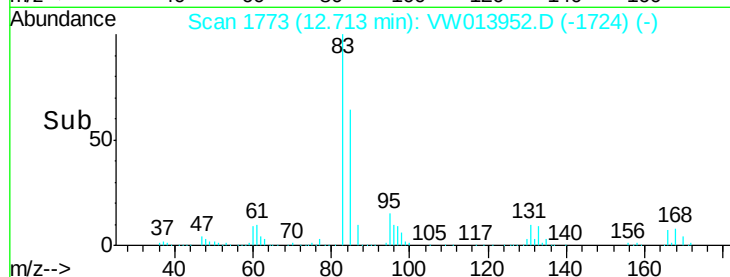
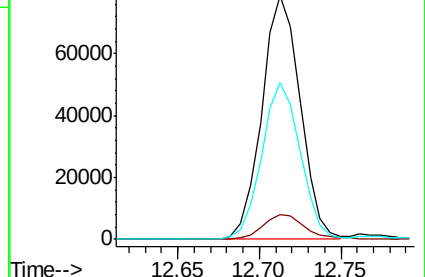
11/12/2019 12:59:02 PM



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 54.388 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013952.D

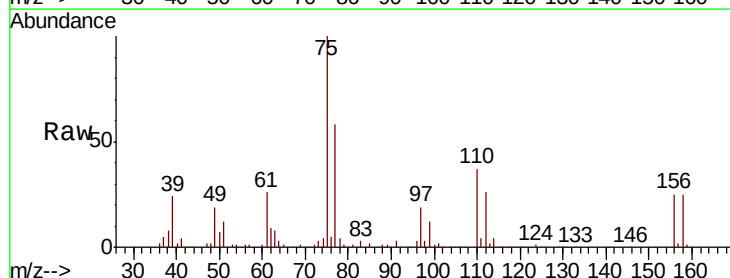
Acq: 08 Nov 2019 18:29

Tgt Ion: 75 Resp: 81754

Ion Ratio Lower Upper

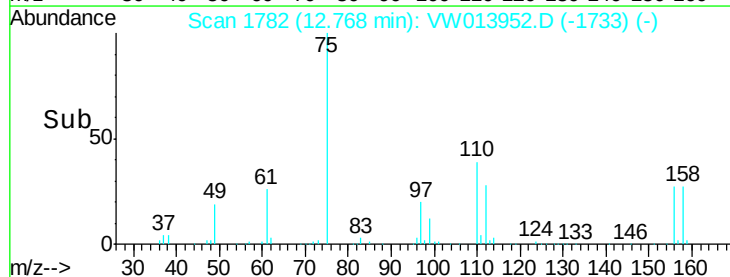
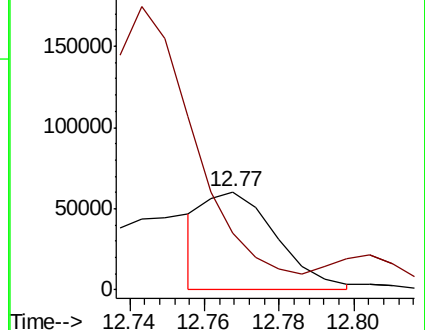
75 100

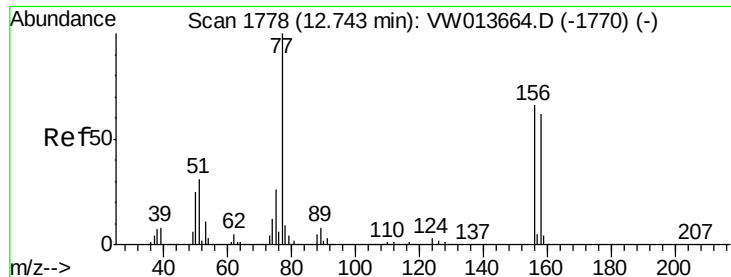
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.522 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

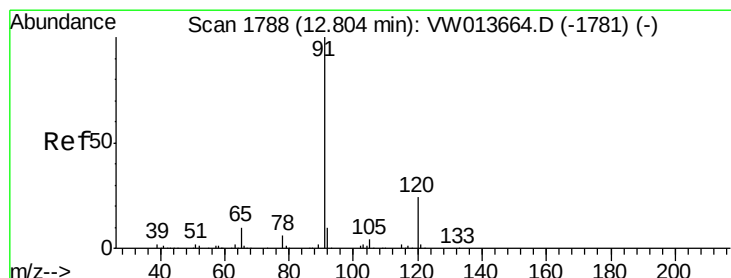
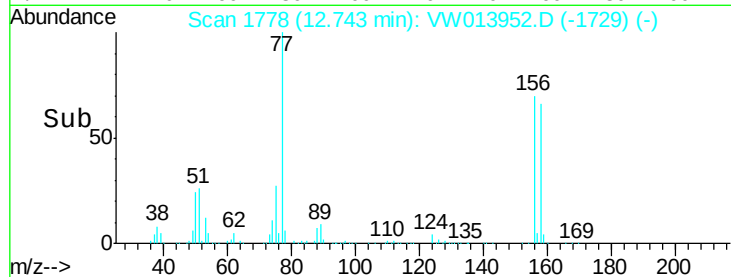
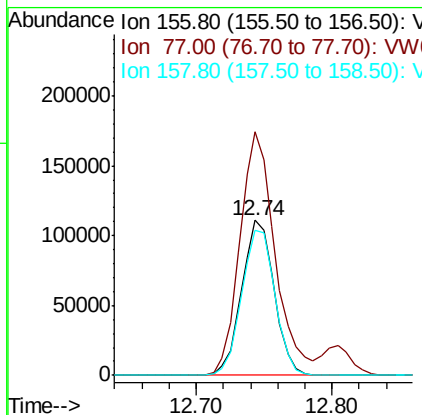
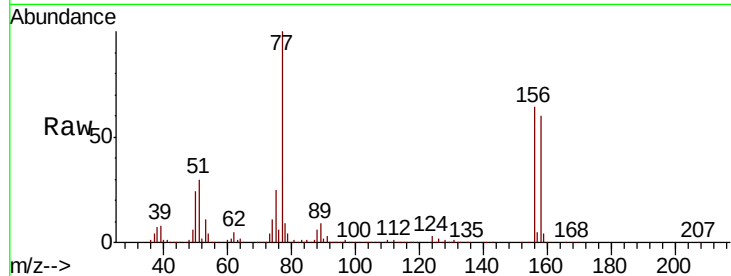
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	185004
Ion Ratio	Lower	Upper	
156	100		
77	170.0	82.9	248.7
158	96.2	48.4	145.2

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#78

n-propylbenzene

Concen: 51.367 ug/l

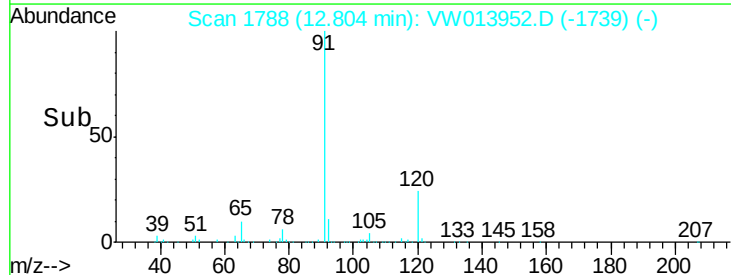
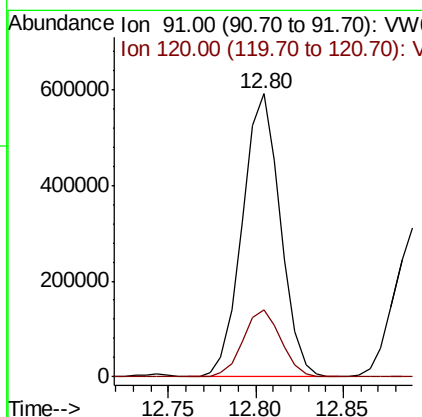
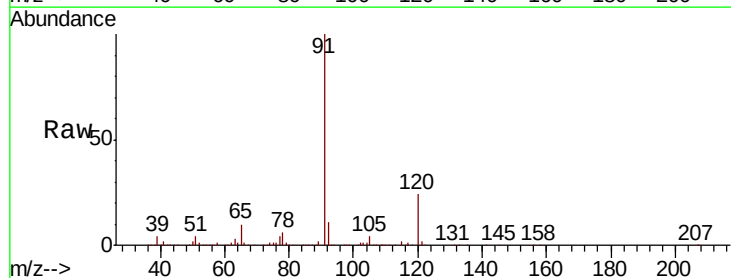
RT: 12.80 min Scan# 1788

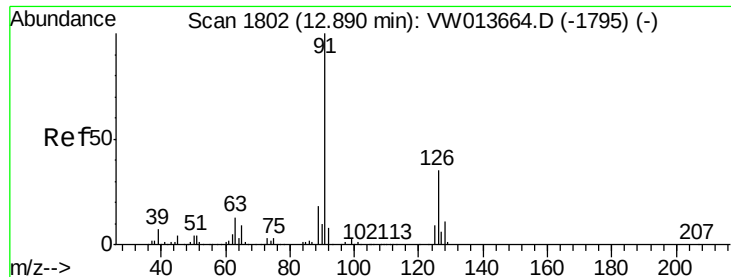
Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Tgt Ion:	91	Resp:	893688
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 51.191 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 500497

Ion Ratio Lower Upper

91 100

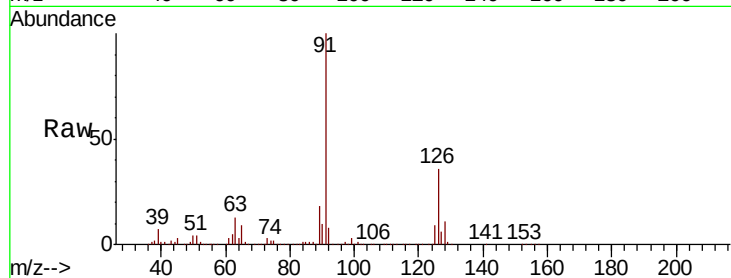
126 35.3 17.4 52.2

Manual Integrations

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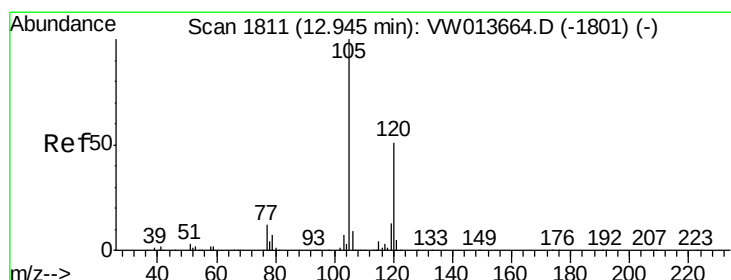
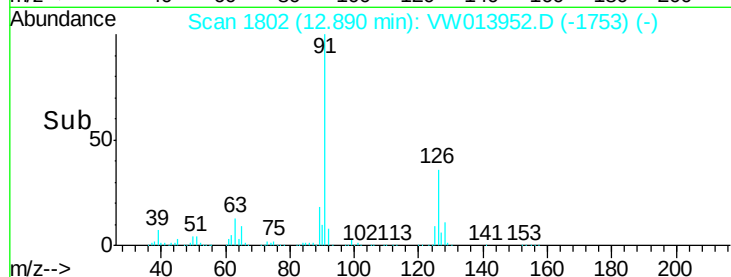
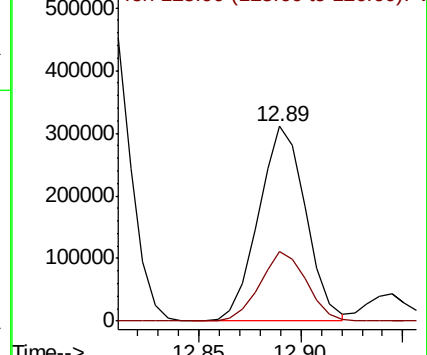
MMDadoda

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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: 51.324 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013952.D

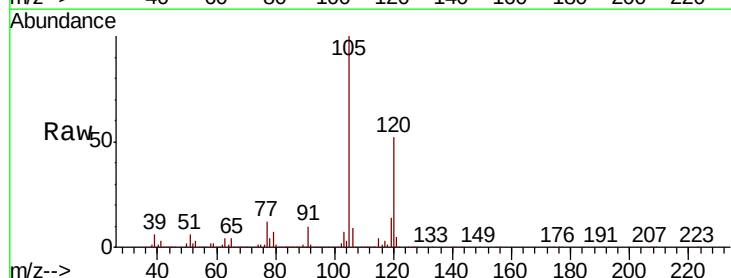
Acq: 08 Nov 2019 18:29

Tgt Ion: 105 Resp: 651248

Ion Ratio Lower Upper

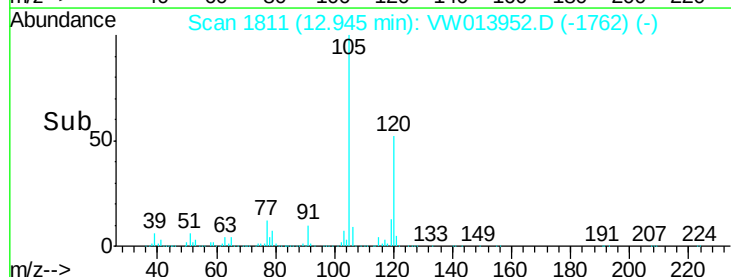
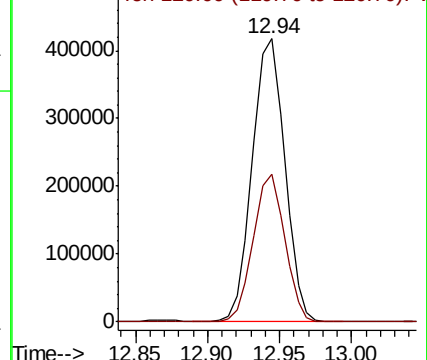
105 100

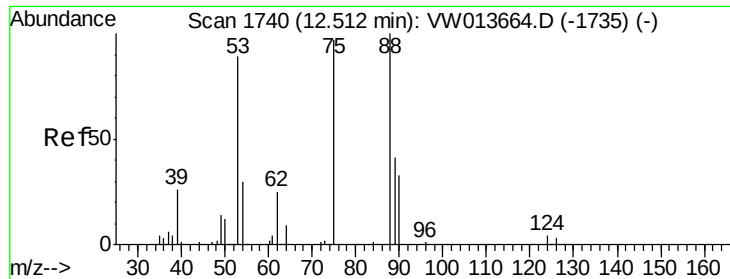
120 50.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





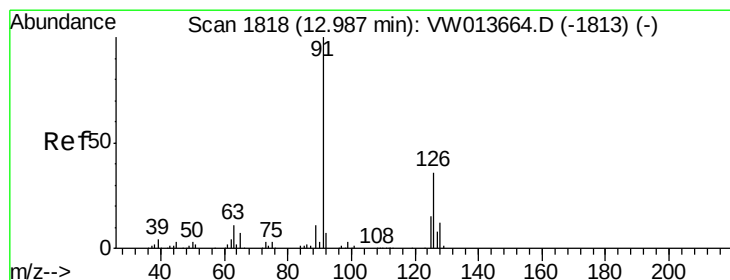
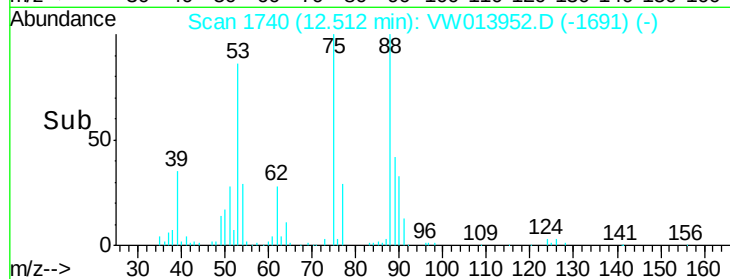
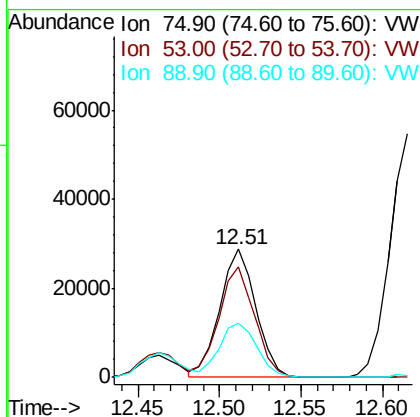
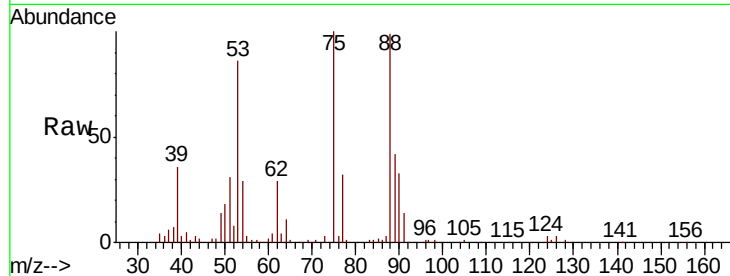
#81
trans-1,4-Dichloro-2-butene
Concen: 55.419 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.4	71.7	107.5
89	44.2	35.8	53.8

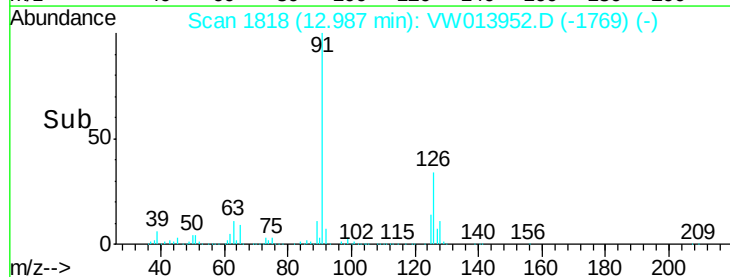
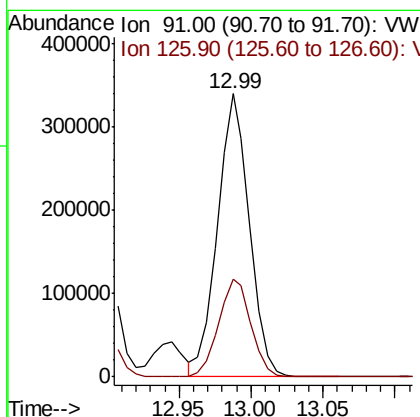
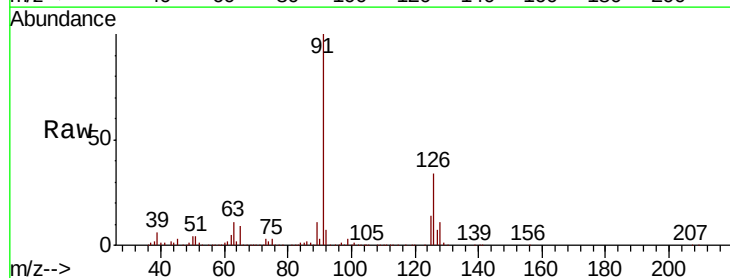
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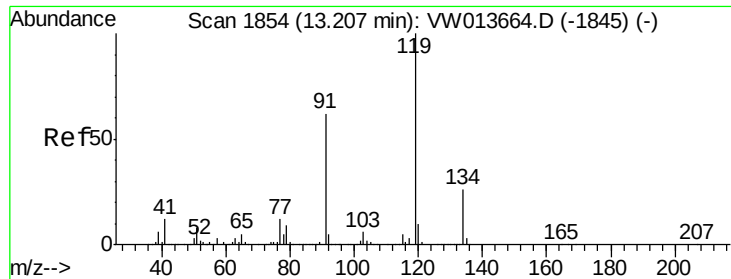
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.998 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.2	51.5





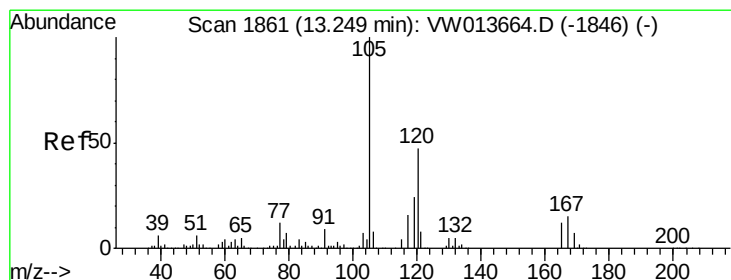
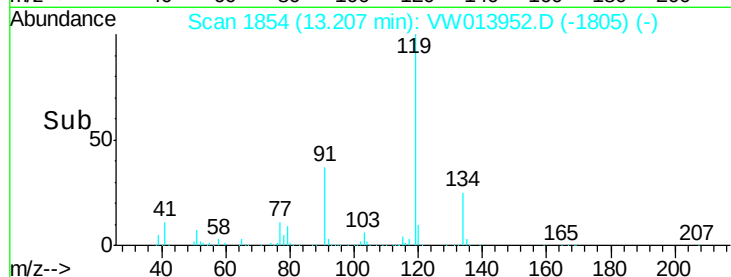
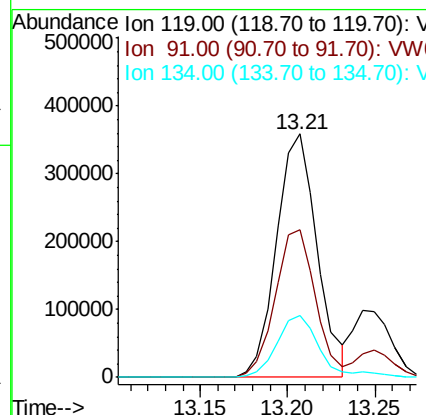
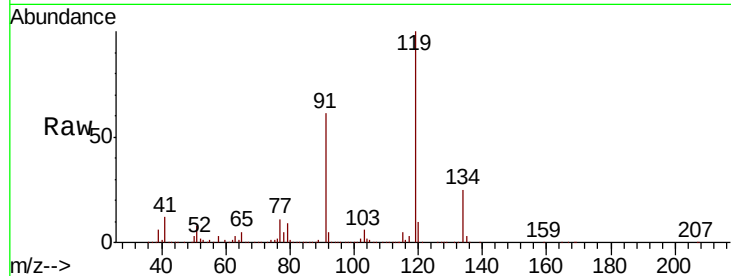
#83
tert-Butylbenzene
Concen: 51.815 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	583611		
91	59.7		30.4	91.3
134	26.9		13.6	40.8

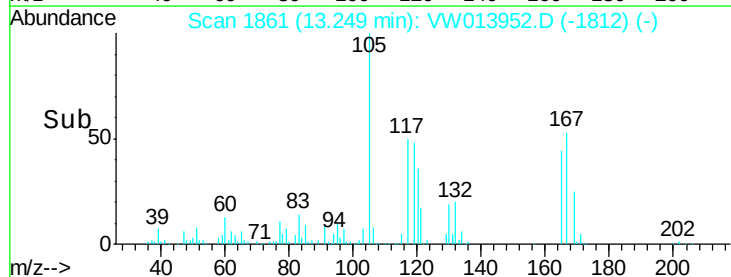
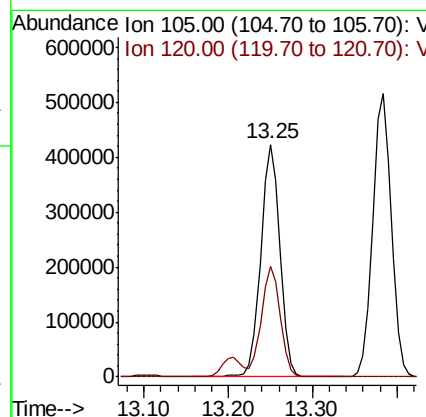
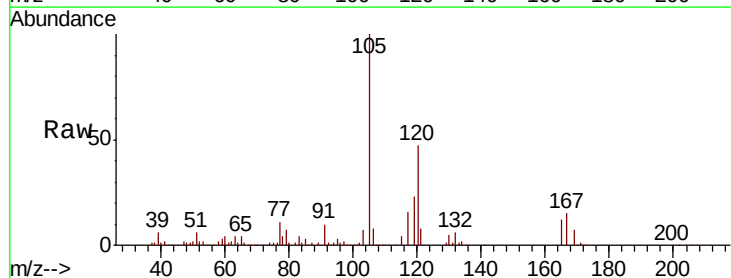
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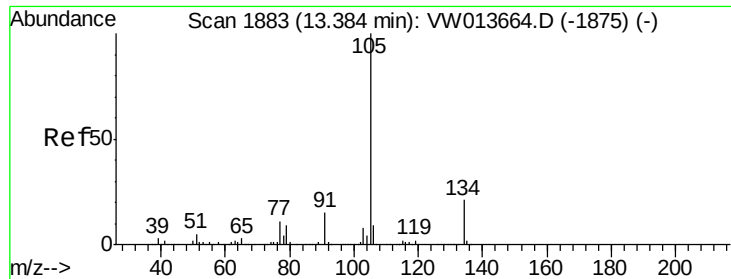
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#84
1,2,4-Trimethylbenzene
Concen: 52.180 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	653129		
120	46.6		23.5	70.5





#85

sec-Butylbenzene

Concen: 51.302 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 790159

Ion Ratio Lower Upper

105 100

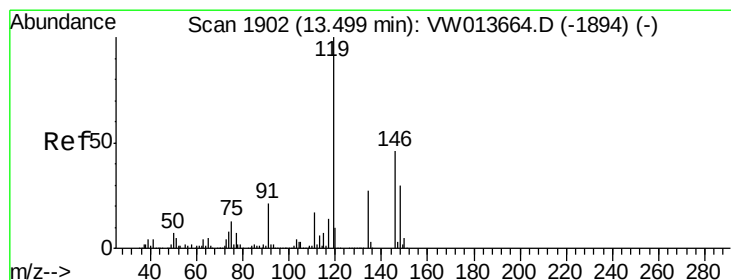
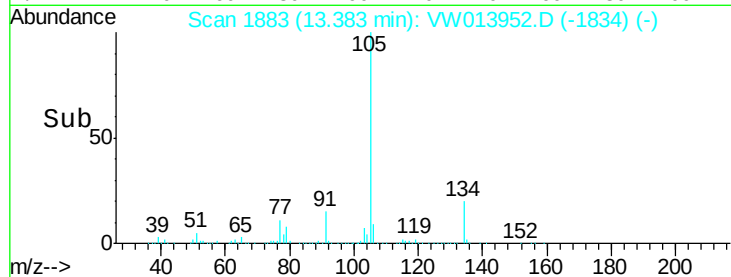
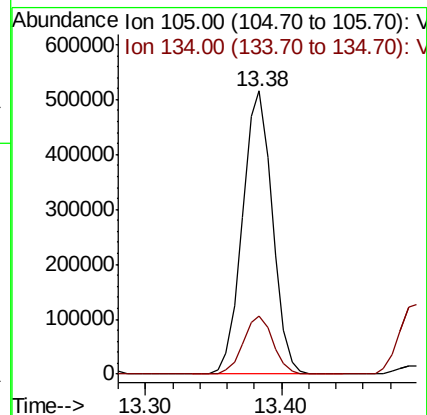
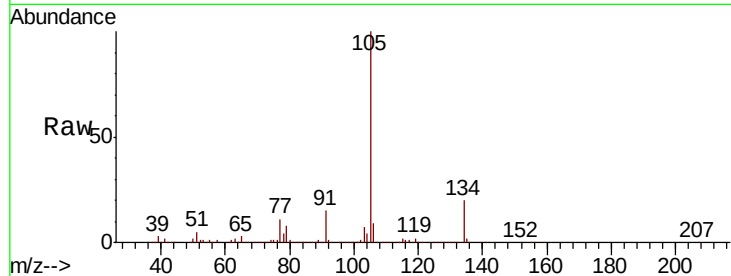
134 20.4 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.743 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013952.D

Acq: 08 Nov 2019 18:29

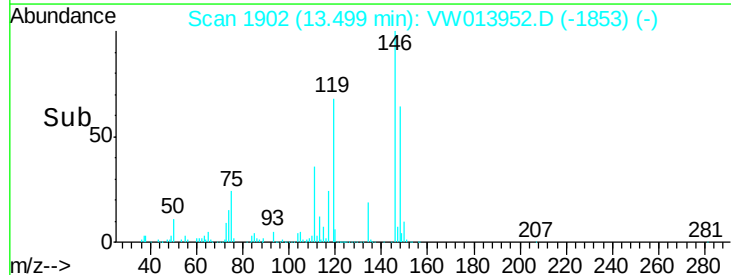
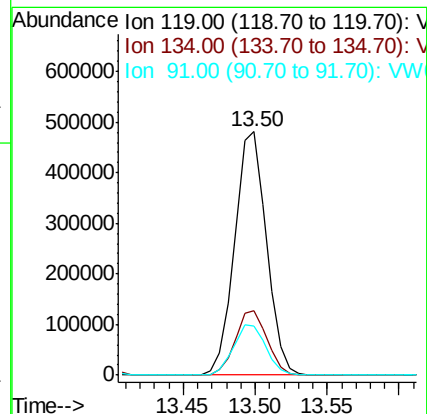
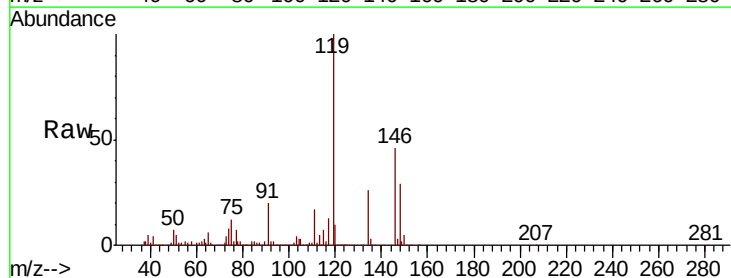
Tgt Ion:119 Resp: 742364

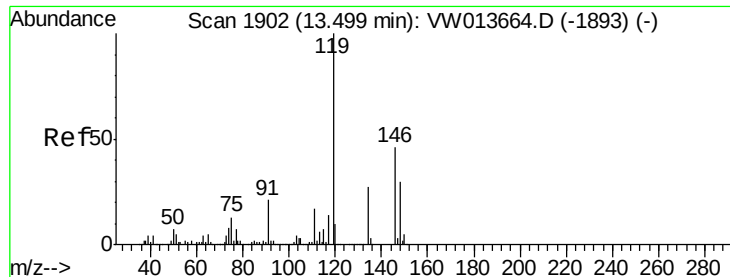
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

91 21.0 10.8 32.3





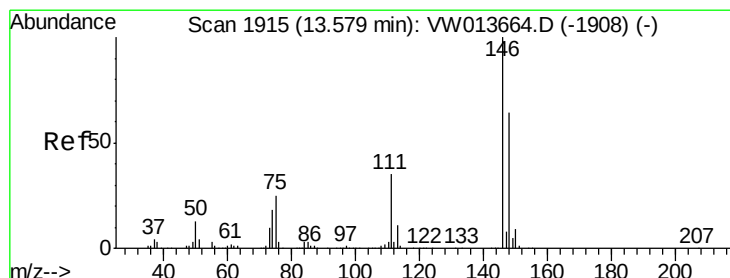
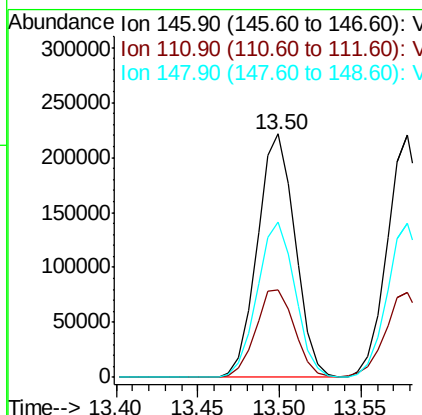
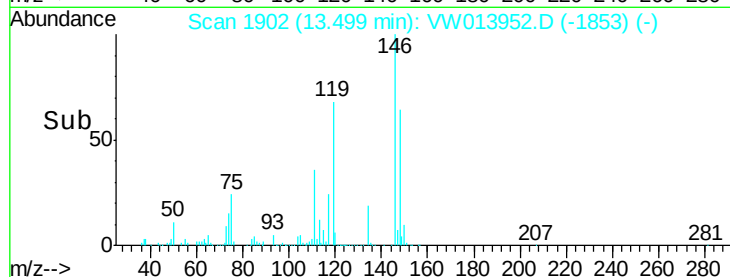
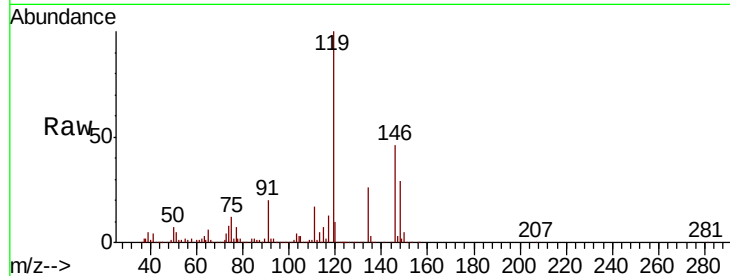
#87
 1,3-Dichlorobenzene
 Concen: 51.191 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	56.0
148	64.0	31.7	95.1

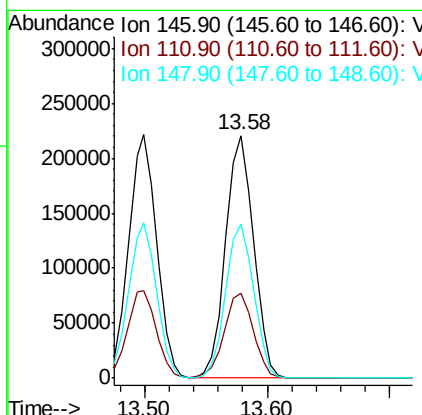
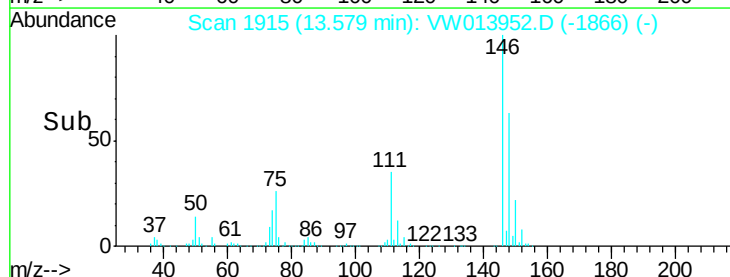
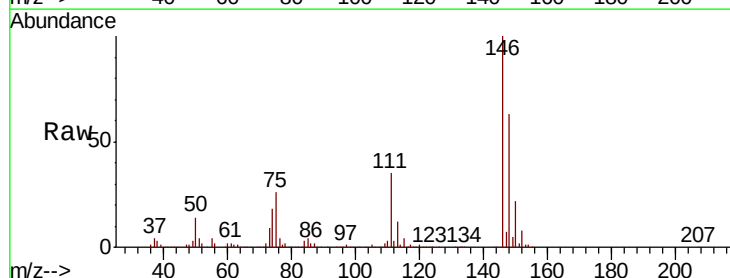
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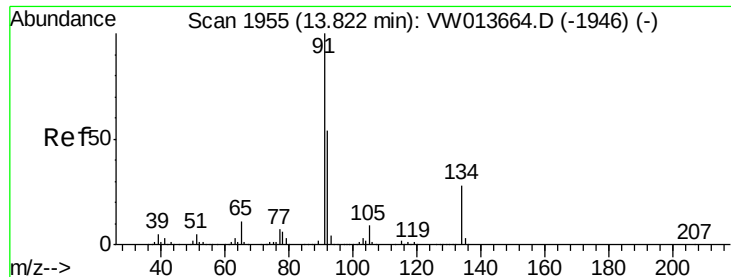
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#88
 1,4-Dichlorobenzene
 Concen: 50.683 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.3
148	63.9	32.0	96.2





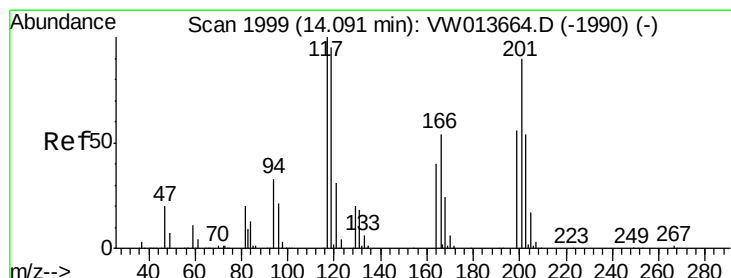
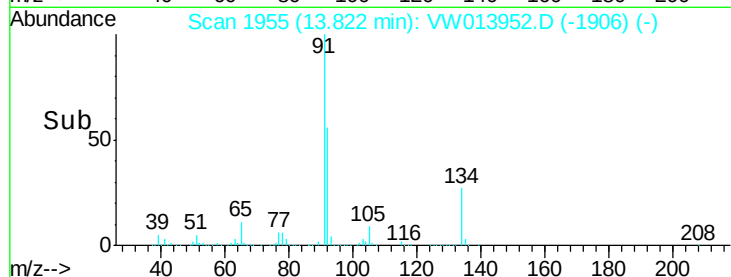
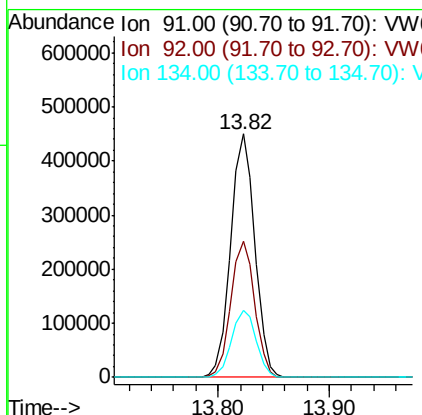
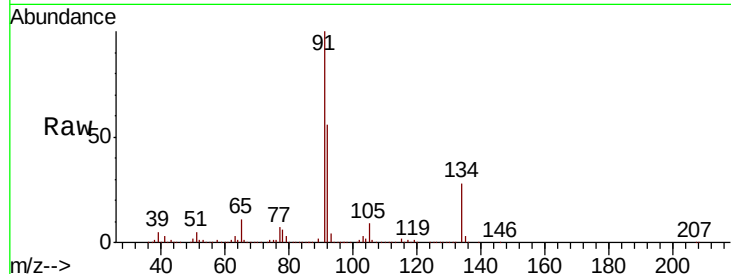
#89
n-Butylbenzene
Concen: 51.931 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.8	27.5	82.4
134	28.2	14.0	41.9

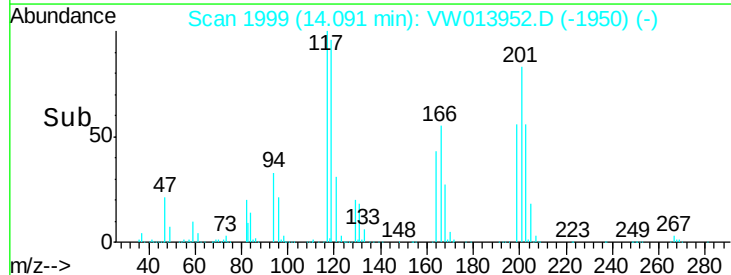
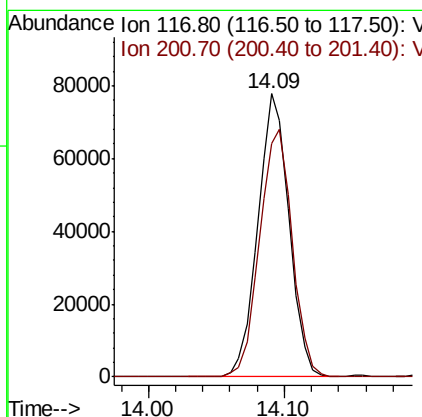
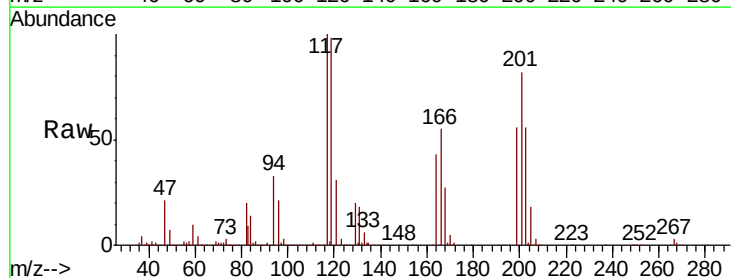
Manual Integrations
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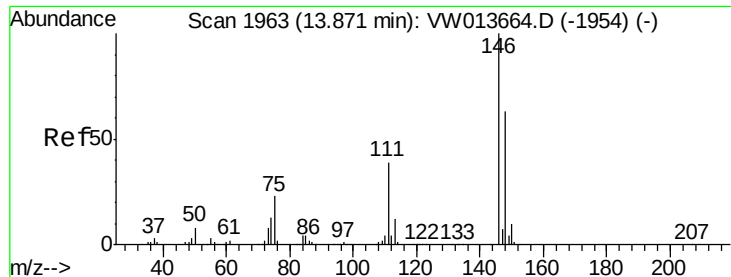
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#90
Hexachloroethane
Concen: 50.182 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.3	46.1	138.2





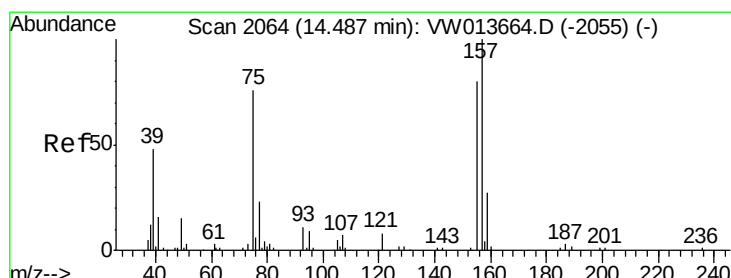
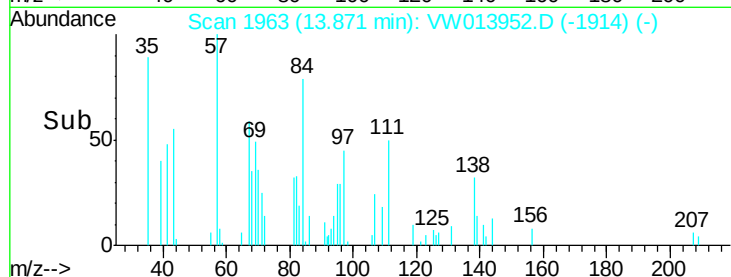
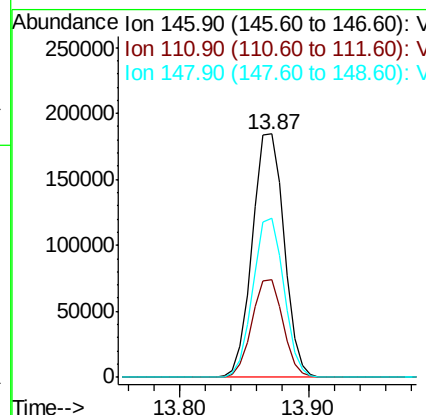
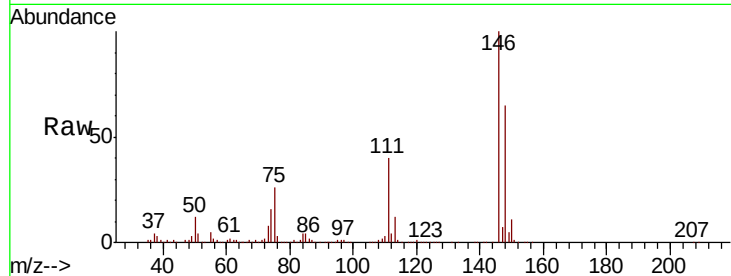
#91
 1,2-Dichlorobenzene
 Concen: 51.900 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.6
148	63.7	31.9	95.9

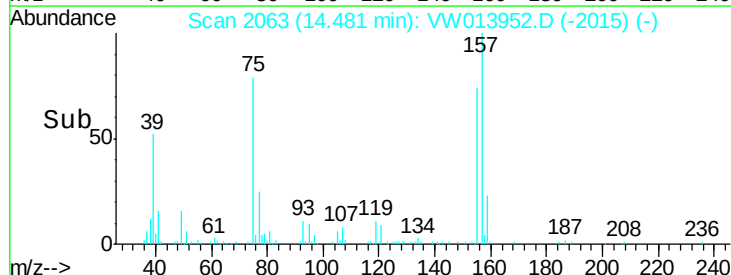
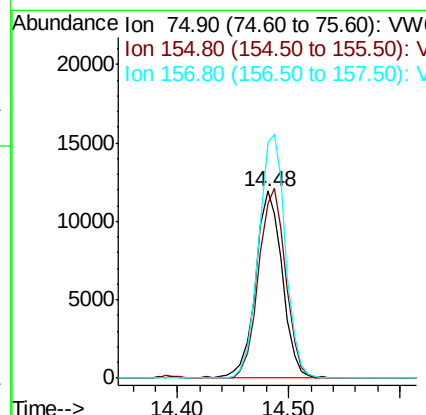
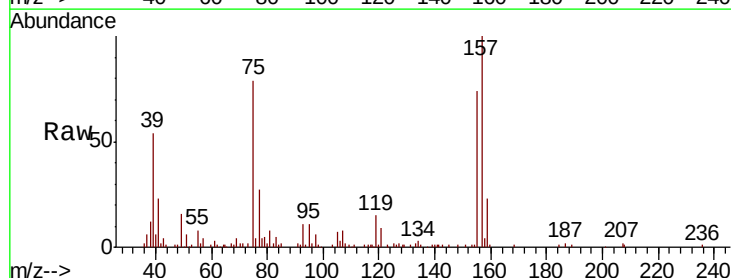
Manual Integrations
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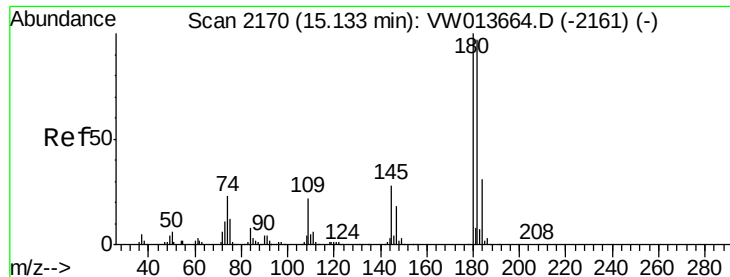
MMDadoda
 11/12/2019 12:59:02 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.712 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.3	51.9	155.7
157	130.5	64.8	194.3





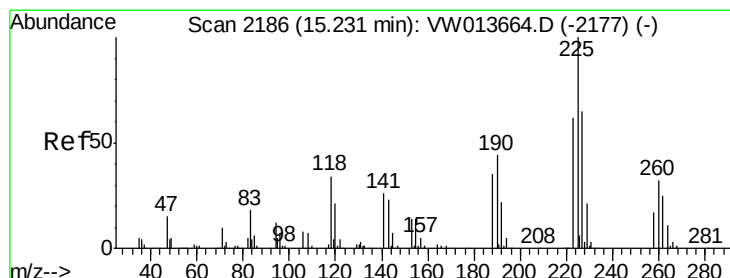
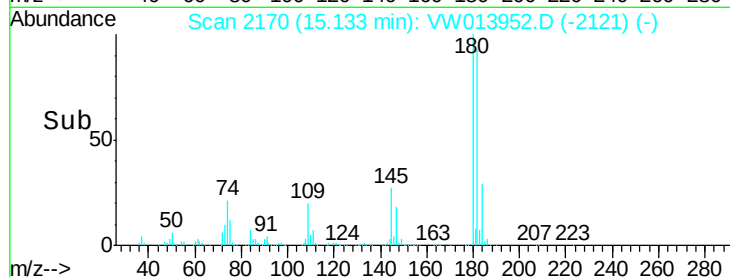
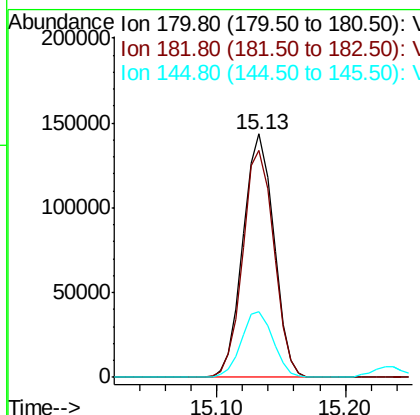
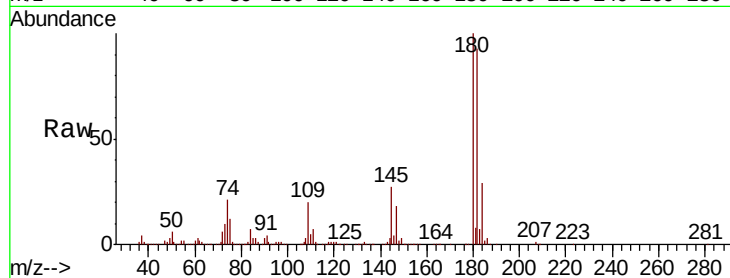
#93
 1,2,4-Trichlorobenzene
 Concen: 54.119 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	237592		
182	94.0	47.4	142.2	
145	28.1	14.1	42.3	

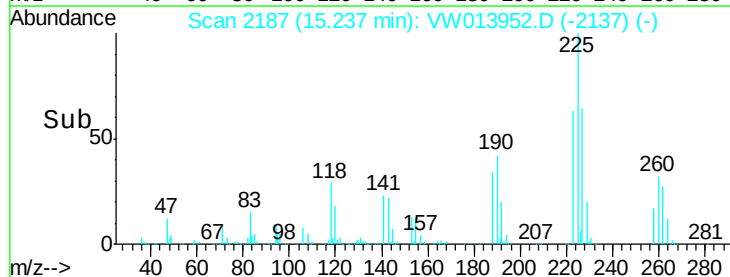
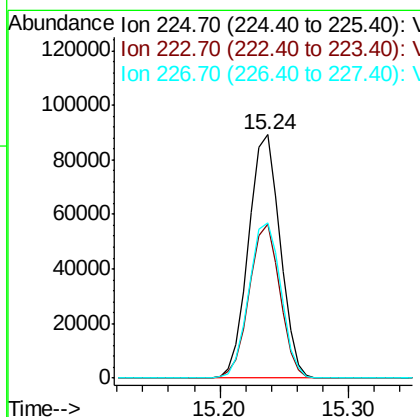
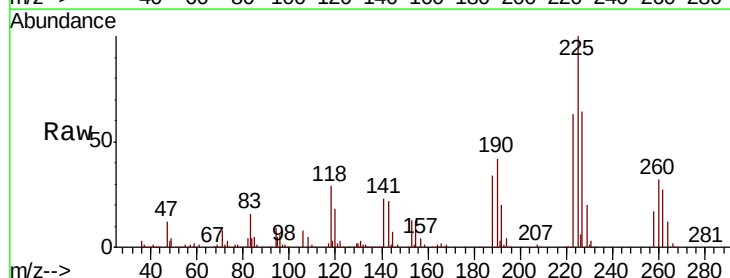
Manual Integrations
 APPROVED

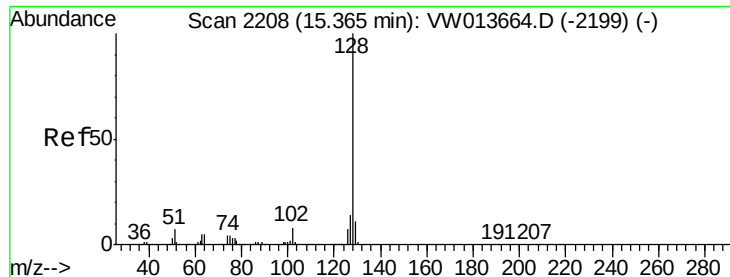
MMDadoda
 11/12/2019 12:59:02 PM



#94
 Hexachlorobutadiene
 Concen: 50.920 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013952.D
 Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150912		
223	61.3	31.9	95.9	
227	64.6	32.5	97.4	





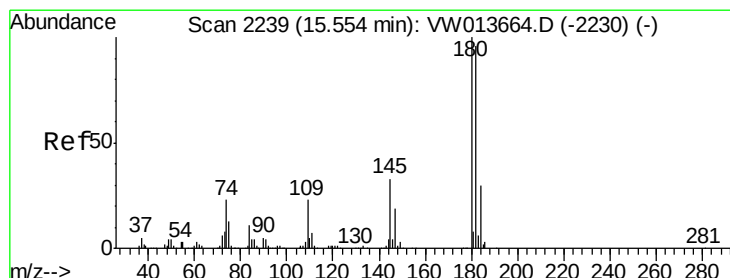
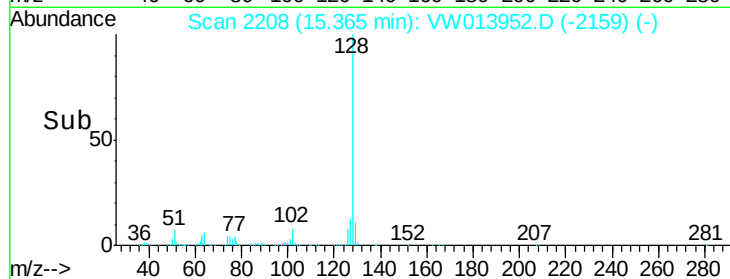
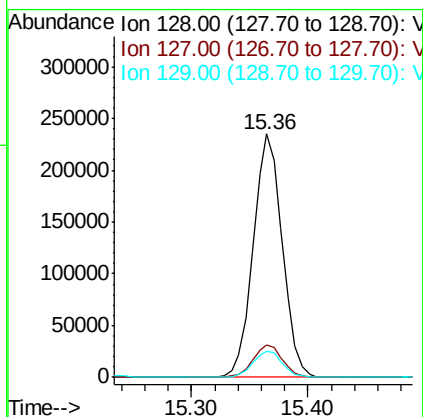
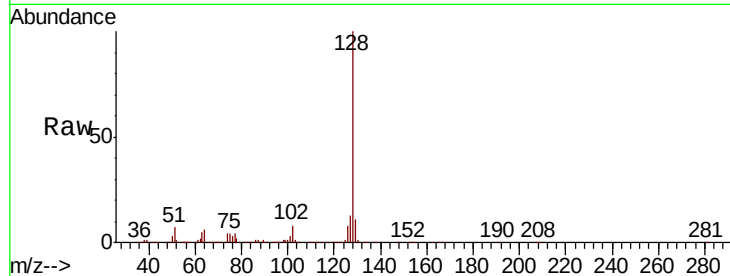
#95
Naphthalene
Concen: 59.300 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:59:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.092 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013952.D
Acq: 08 Nov 2019 18:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.4	142.3
145	29.6	14.9	44.9

