

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011531.D
 Acq On : 26 Jul 2019 22:16
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/29/2019 9:19:16 AM

Quant Time: Jul 27 06:43:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	357538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153610	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	136506	56.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	112.82%		
35) Dibromofluoromethane	7.88	113	109919	54.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.60%		
50) Toluene-d8	10.32	98	438946	53.45	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.90%		
62) 4-Bromofluorobenzene	12.62	95	156437	53.43	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.86%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	56968	48.501	ug/l	98
3) Chloromethane	2.21	50	94712	46.502	ug/l	99
4) Vinyl Chloride	2.36	62	119187	48.607	ug/l	100
5) Bromomethane	2.77	94	64390	47.441	ug/l	99
6) Chloroethane	2.92	64	68183	48.679	ug/l	95
7) Trichlorofluoromethane	3.25	101	49976	45.604	ug/l	99
8) Diethyl Ether	3.68	74	66520	53.537	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	100840	48.508	ug/l	98
10) Methyl Iodide	4.28	142	153990	52.418	ug/l	99
11) Tert butyl alcohol	5.17	59	46998	264.158	ug/l	99
12) 1,1-Dichloroethene	4.04	96	107653	49.047	ug/l	96
13) Acrolein	3.89	56	36949	212.784	ug/l	99
14) Allyl chloride	4.66	41	237913	50.963	ug/l	100
15) Acrylonitrile	5.37	53	170071	274.201	ug/l	99
16) Acetone	4.12	43	166095	215.761	ug/l	100
17) Carbon Disulfide	4.39	76	337402	49.114	ug/l	98
18) Methyl Acetate	4.67	43	104006	60.141	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	193155	55.455	ug/l	99
20) Methylene Chloride	4.92	84	128325	48.335	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	120808	51.052	ug/l	99
22) Diisopropyl ether	6.31	45	467967	53.169	ug/l	99
23) Vinyl Acetate	6.25	43	1461144	264.196	ug/l	100
24) 1,1-Dichloroethane	6.21	63	245301	52.038	ug/l	99
25) 2-Butanone	7.17	43	256917	255.050	ug/l	98
26) 2,2-Dichloropropane	7.17	77	129806	44.777	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	132934	51.042	ug/l	99
28) Bromochloromethane	7.51	49	112108	53.581	ug/l	100
29) Tetrahydrofuran	7.52	42	159120	276.350	ug/l	99
30) Chloroform	7.67	83	223070	51.294	ug/l	97
31) Cyclohexane	7.95	56	205486	45.413	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	166690	50.330	ug/l	99
36) 1,1-Dichloropropene	8.08	75	175853	47.301	ug/l	99
37) Ethyl Acetate	7.25	43	110691	51.751	ug/l	98
38) Carbon Tetrachloride	8.07	117	149006	46.818	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	191076	46.676	ug/l	98
40) Benzene	8.32	78	513636	49.324	ug/l	100
41) Methacrylonitrile	7.48	41	67173	52.537	ug/l	97
42) 1,2-Dichloroethane	8.40	62	163599	50.178	ug/l	100
43) Isopropyl Acetate	8.42	43	205329	52.198	ug/l	100
44) Trichloroethene	9.09	130	120096	47.983	ug/l	98
45) 1,2-Dichloropropane	9.37	63	140058	50.266	ug/l	100
46) Dibromomethane	9.46	93	65831	51.765	ug/l	99
47) Bromodichloromethane	9.65	83	169124	50.698	ug/l	99
48) Methyl methacrylate	9.43	41	101717	53.831	ug/l	100
49) 1,4-Dioxane	9.45	88	19780	1074.188	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	545750	266.730	ug/l	100
52) Toluene	10.39	92	308584	49.069	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	176462	50.638	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	208847	50.405	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	91732	50.838	ug/l	98
56) Ethyl methacrylate	10.65	69	141374	53.542	ug/l	99
57) 1,3-Dichloropropane	10.93	76	176185	51.610	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	397385	331.470	ug/l	100
59) 2-Hexanone	10.97	43	374811	259.446	ug/l	99
60) Dibromochloromethane	11.13	129	101935	50.893	ug/l	100
61) 1,2-Dibromoethane	11.24	107	87142	51.033	ug/l	99
64) Tetrachloroethene	10.86	164	100093	48.196	ug/l	97
65) Chlorobenzene	11.66	112	315763	49.241	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	109946	49.222	ug/l	98
67) Ethyl Benzene	11.73	91	590196	48.325	ug/l	100
68) m/p-Xylenes	11.84	106	429099	96.610	ug/l	99
69) o-Xylene	12.16	106	203646	49.340	ug/l	99
70) Styrene	12.18	104	359667	50.400	ug/l	100
71) Bromoform	12.35	173	57955	50.888	ug/l #	99
73) Isopropylbenzene	12.46	105	554477	48.385	ug/l	99
74) N-amyl acetate	12.27	43	185866	51.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	111904	51.914	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	77229m	47.515	ug/l	
77) Bromobenzene	12.74	156	126959	50.123	ug/l	100
78) n-propylbenzene	12.80	91	673826	48.315	ug/l	100
79) 2-Chlorotoluene	12.89	91	391010	48.666	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	471447	49.078	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	35692	50.609	ug/l	98
82) 4-Chlorotoluene	12.99	91	415563	49.296	ug/l	99
83) tert-Butylbenzene	13.21	119	393793	49.022	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	478556	49.454	ug/l	99
85) sec-Butylbenzene	13.38	105	550999	48.071	ug/l	100
86) p-Isopropyltoluene	13.50	119	497569	47.844	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	242641	48.855	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	242030	48.989	ug/l	100
89) n-Butylbenzene	13.82	91	488506	47.070	ug/l	100
90) Hexachloroethane	14.09	117	88799	48.287	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	219147	49.889	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19654	53.469	ug/l	96

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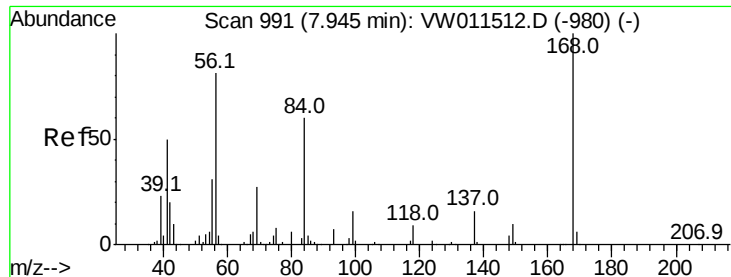
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	154373	49.865	ug/l	99
94) Hexachlorobutadiene	15.24	225	89227	46.217	ug/l	98
95) Naphthalene	15.37	128	297212	49.052	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	134511	49.568	ug/l	99

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



#1

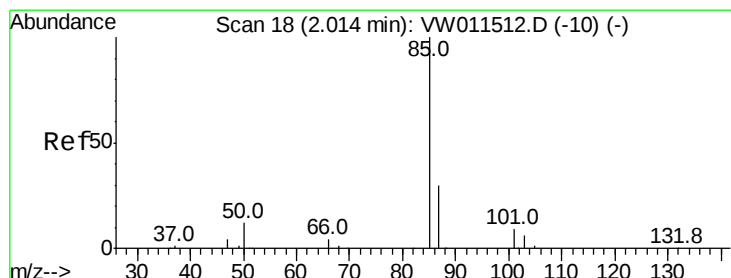
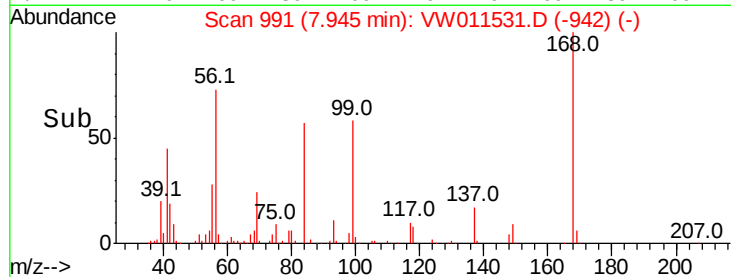
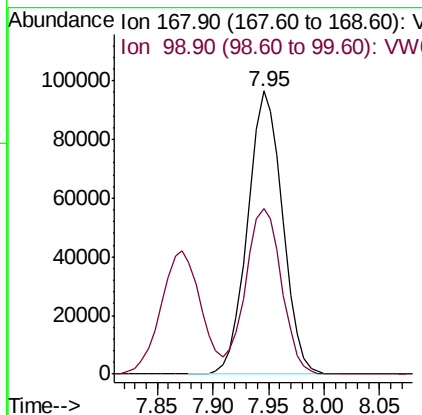
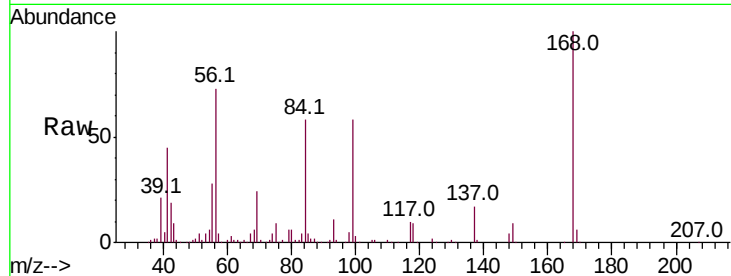
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.3	48.2	72.4

Manual Integrations
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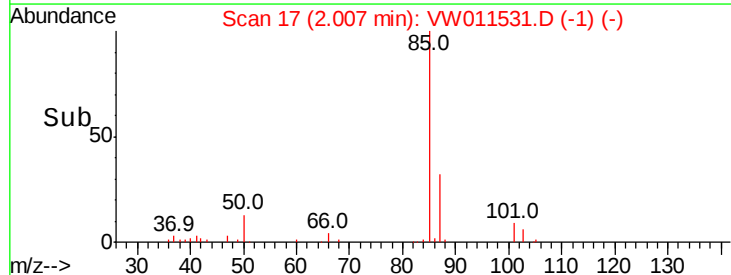
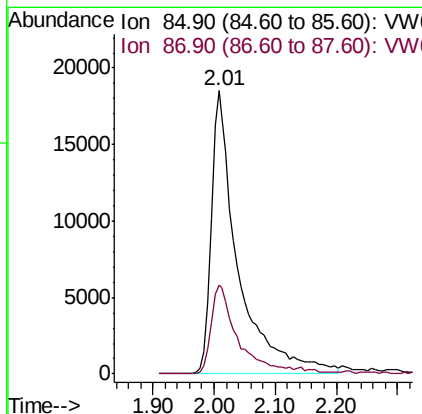
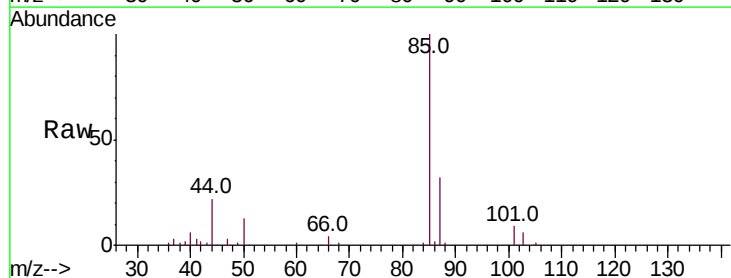
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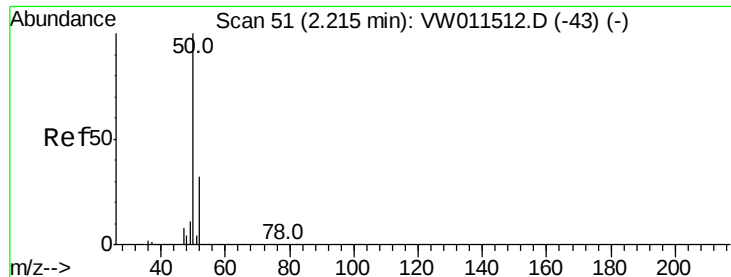


#2

Dichlorodifluoromethane
 Concen: 48.501 ug/l
 RT: 2.01 min Scan# 17
 Delta R.T. -0.01 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.6	15.2	45.6





#3

Chloromethane

Concen: 46.502 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 94712

Ion Ratio Lower Upper

50 100

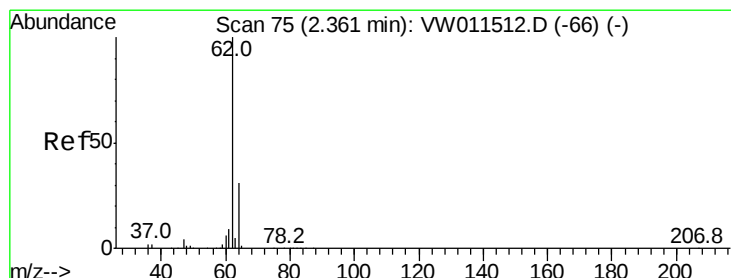
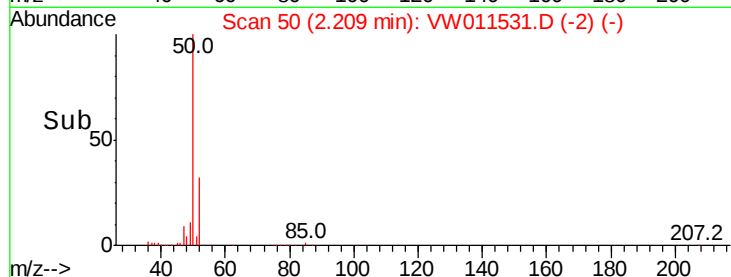
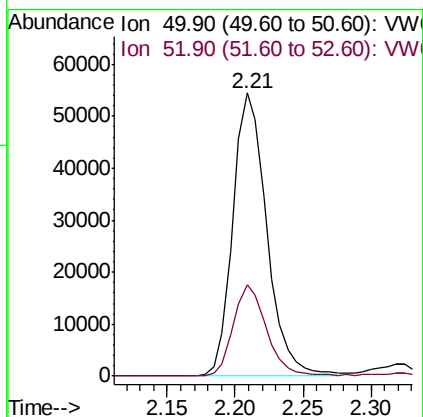
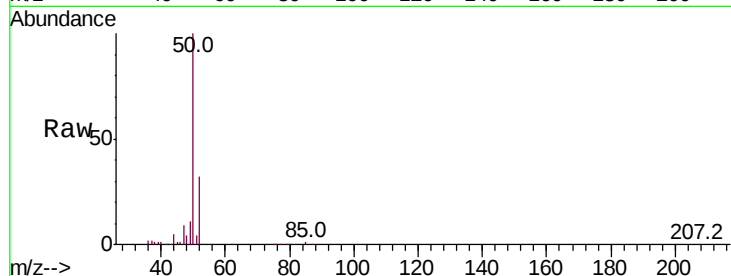
52 32.4 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.607 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011531.D

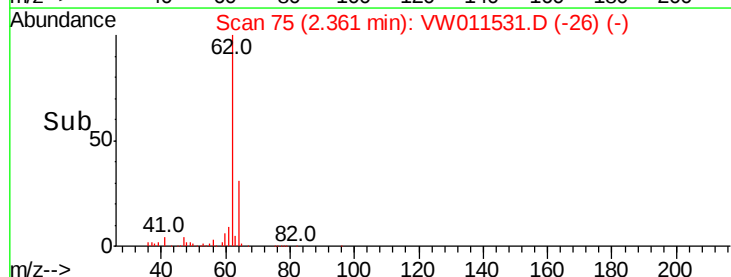
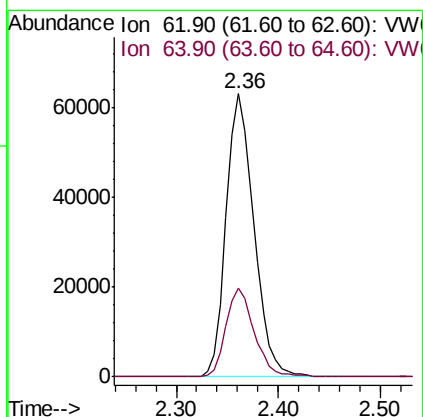
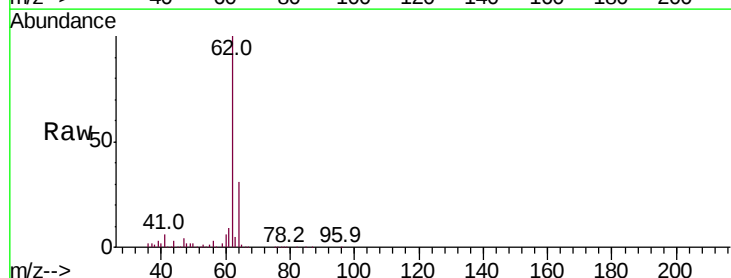
Acq: 26 Jul 2019 22:16

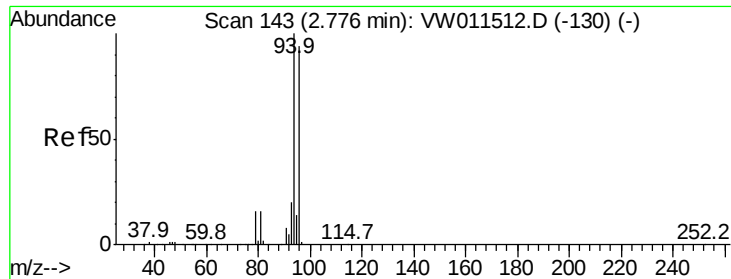
Tgt Ion: 62 Resp: 119187

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.4





#5

Bromomethane

Concen: 47.441 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 64390

Ion Ratio Lower Upper

94 100

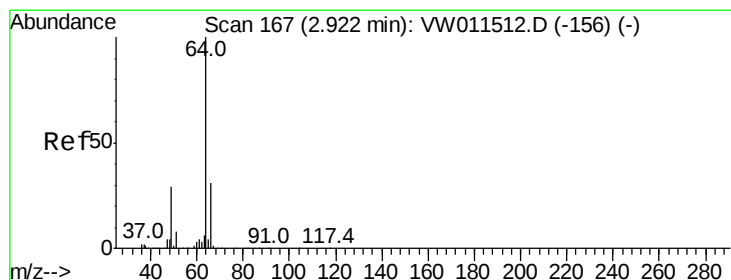
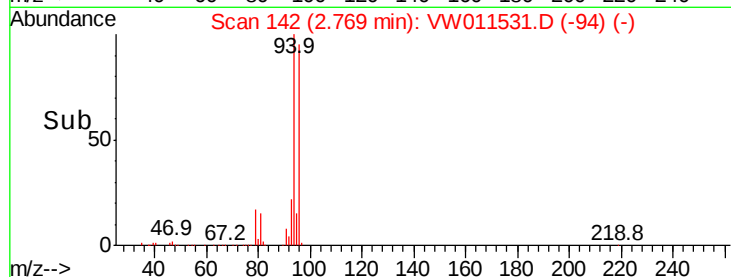
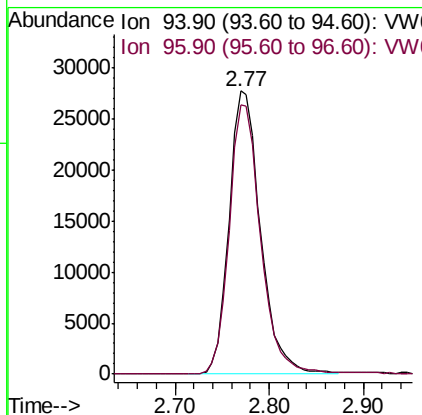
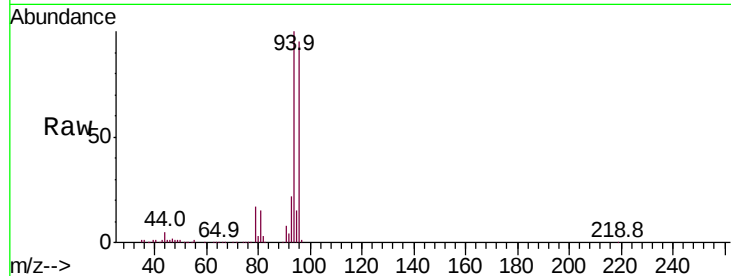
96 95.0 75.0 112.6

Manual Integrations

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#6

Chloroethane

Concen: 48.679 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011531.D

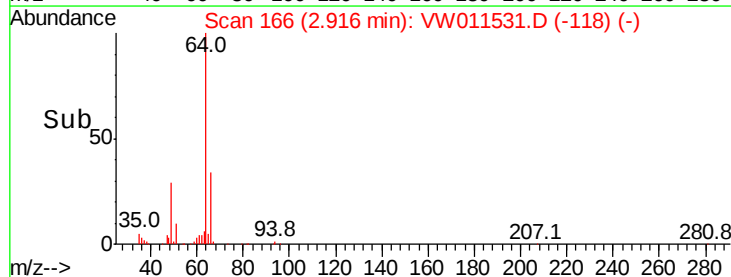
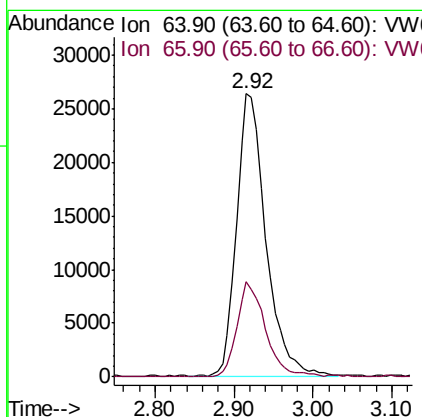
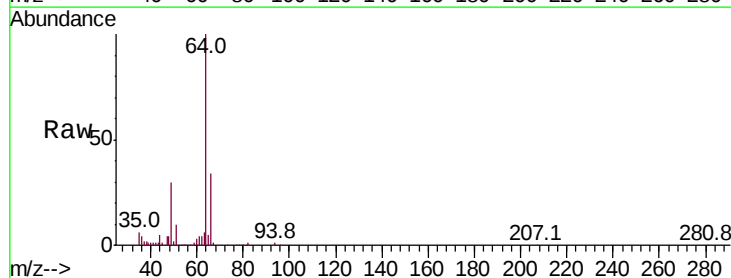
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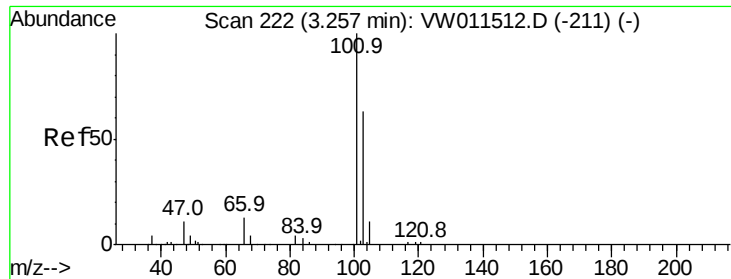
Tgt Ion: 64 Resp: 68183

Ion Ratio Lower Upper

64 100

66 33.6 24.6 36.8





#7

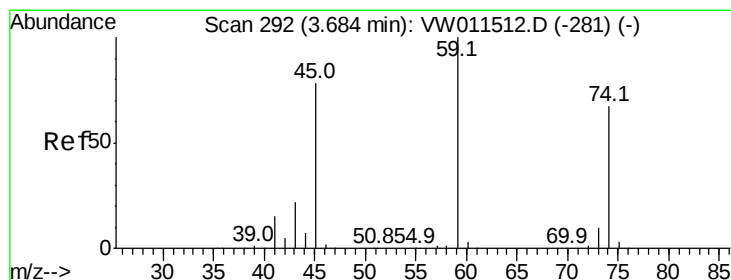
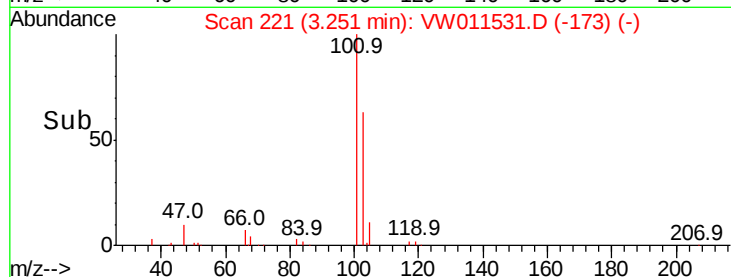
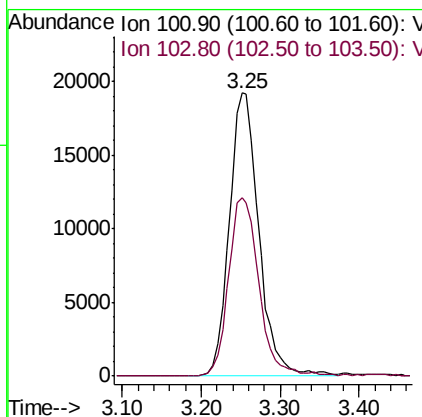
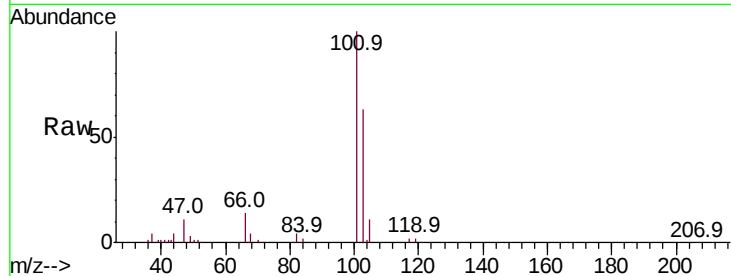
Trichlorofluoromethane
Concen: 45.604 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 49976
Ion Ratio Lower Upper
101 100
103 63.2 50.2 75.4

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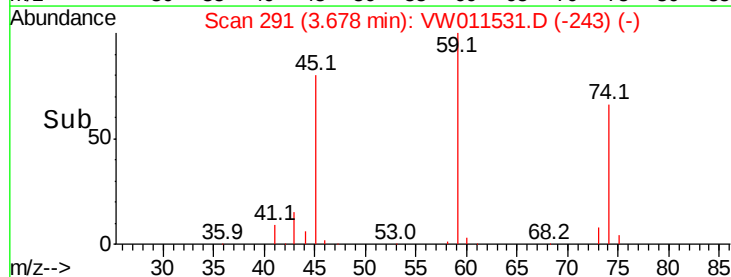
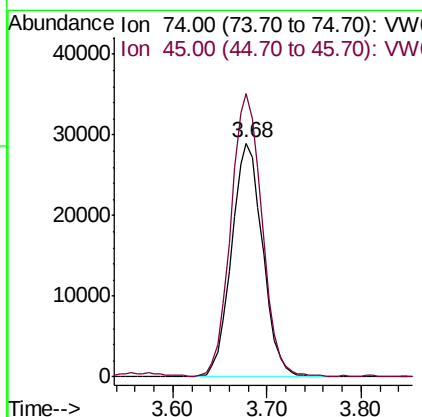
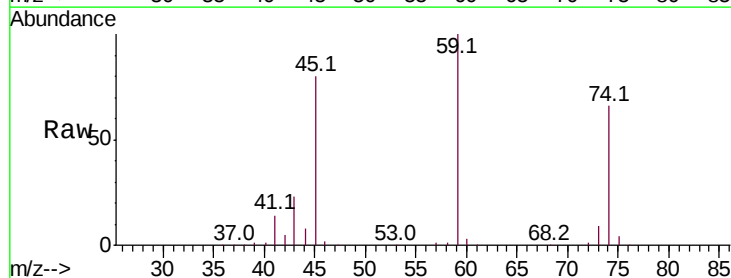
MMDadoda
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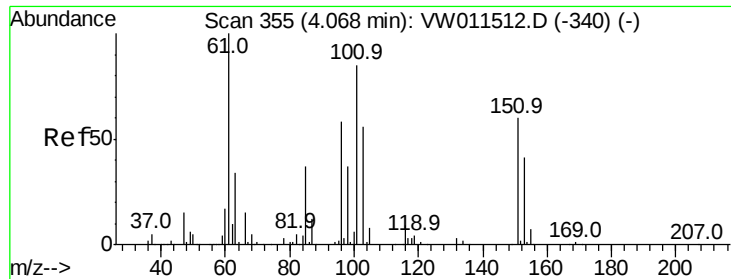


#8

Diethyl Ether
Concen: 53.537 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion: 74 Resp: 66520
Ion Ratio Lower Upper
74 100
45 120.0 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.508 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

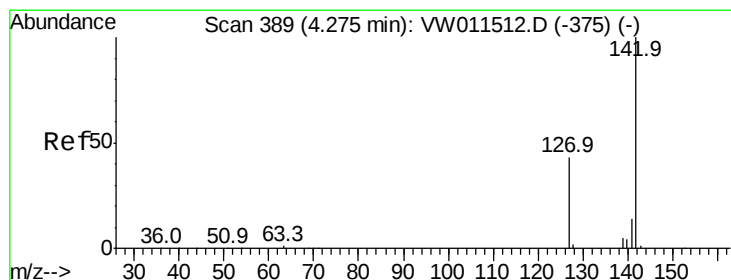
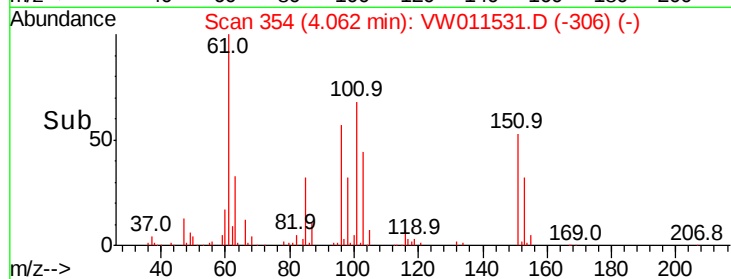
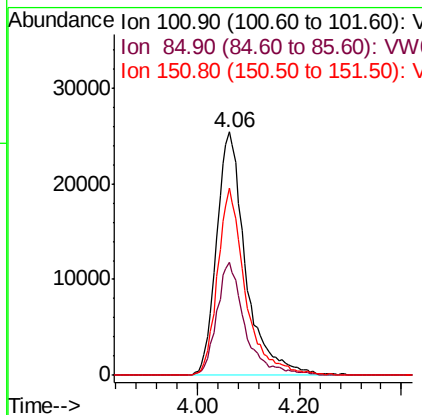
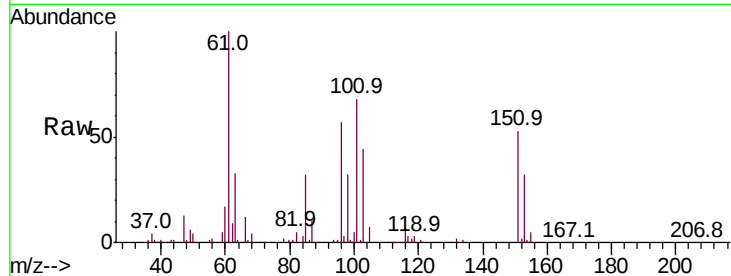
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	100840
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	54.8
151	73.5	60.2	90.2

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#10

Methyl Iodide

Concen: 52.418 ug/l

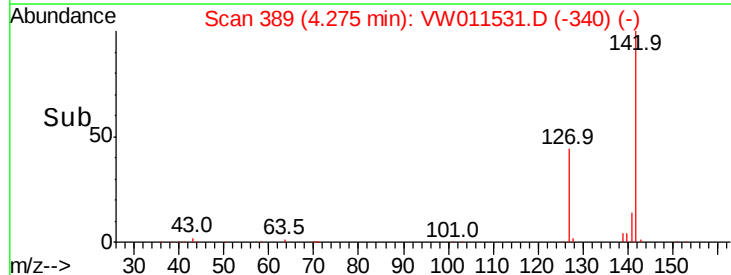
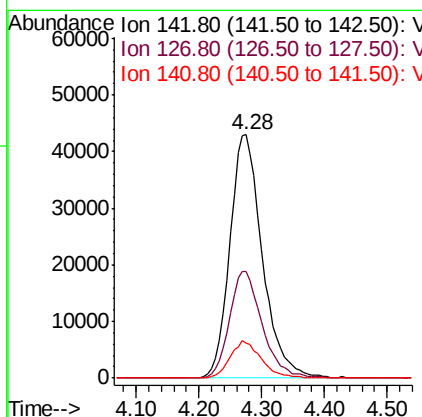
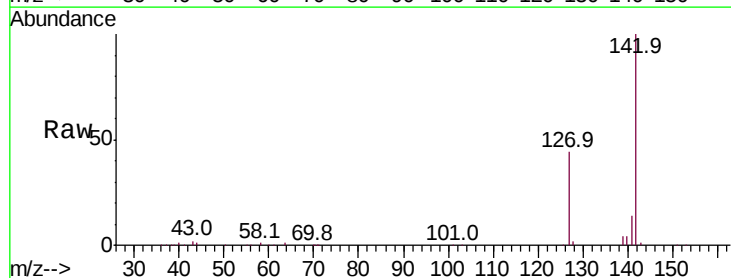
RT: 4.28 min Scan# 389

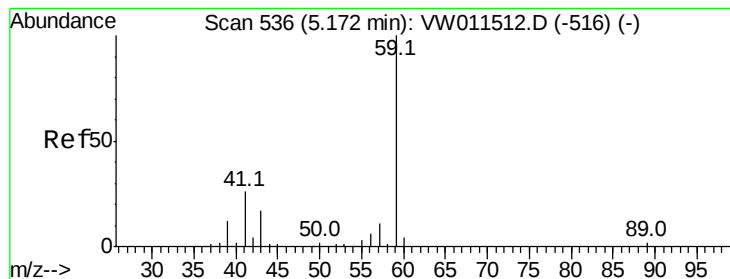
Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Tgt Ion:	142	Resp:	153990
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.0	52.6
141	14.7	11.9	17.9





#11

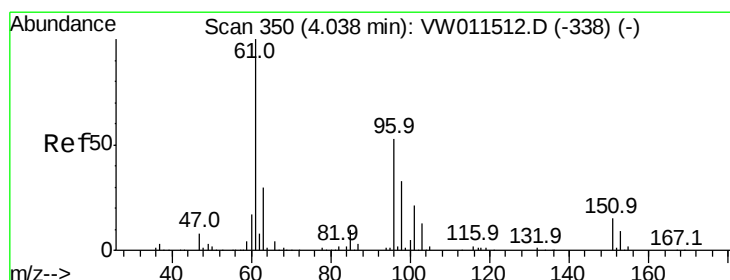
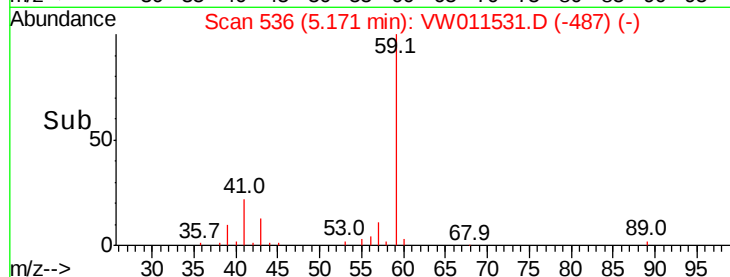
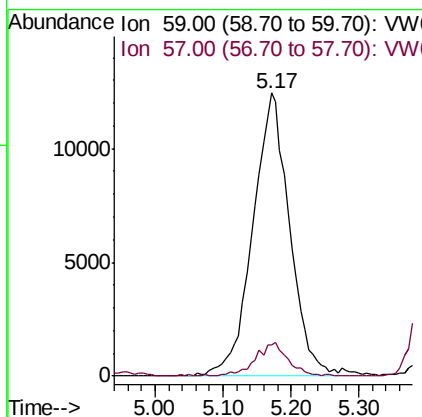
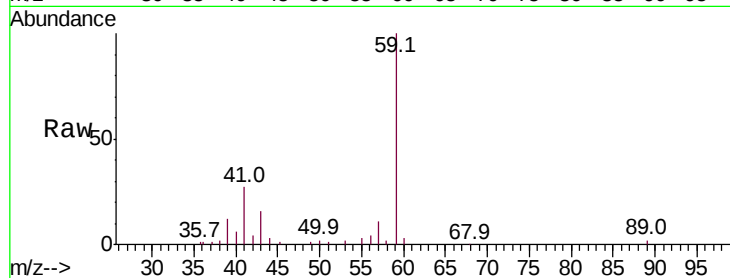
Tert butyl alcohol
 Concen: 264.158 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	57	Ratio	100	10.4	Resp	46998	Lower	8.5	Upper	12.7
Ion	59	57	Ratio	100	10.4	Resp	46998	Lower	8.5	Upper	12.7

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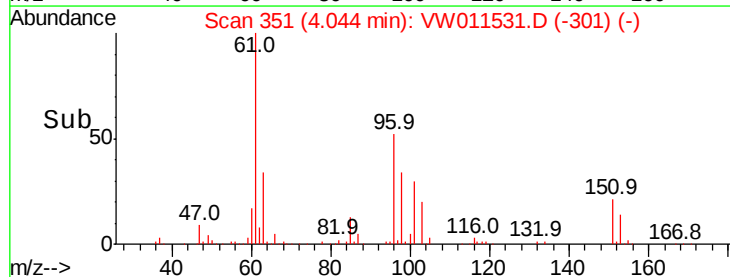
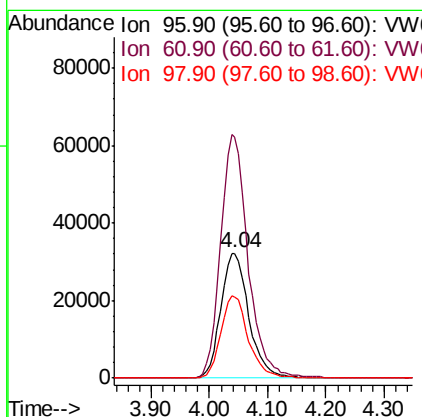
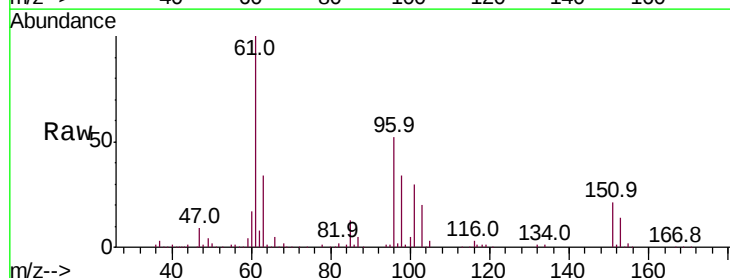
MMDadoda
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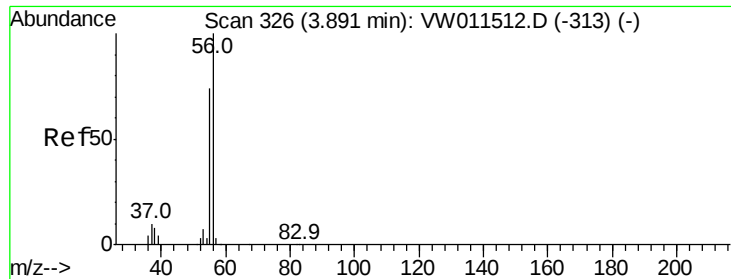


#12

1,1-Dichloroethene
 Concen: 49.047 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.01 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Tgt Ion	96	61	98	Ratio	100	192.9	65.1	Resp	107653	Lower	149.9	49.1	Upper	224.9	73.7
Ion	96	61	98	Ratio	100	192.9	65.1	Resp	107653	Lower	149.9	49.1	Upper	224.9	73.7





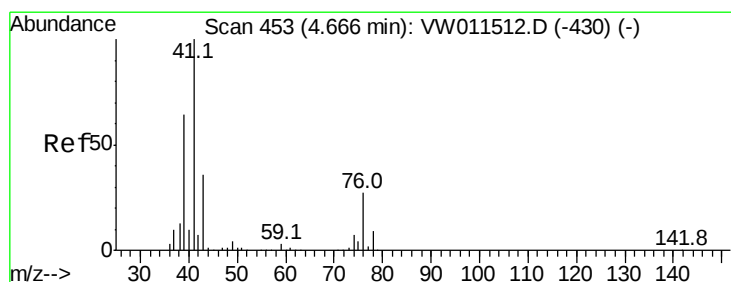
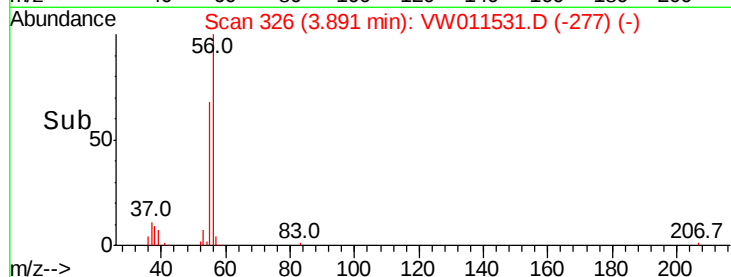
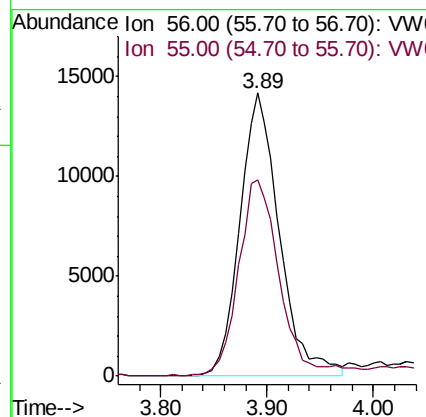
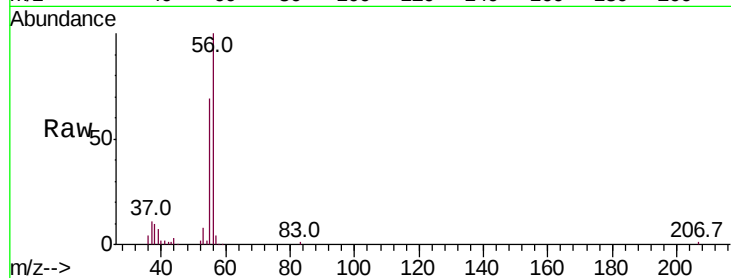
#13
Acrolein
Concen: 212.784 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	36949
Ion Ratio	Lower	Upper	
56	100		
55	70.4	56.0	84.0

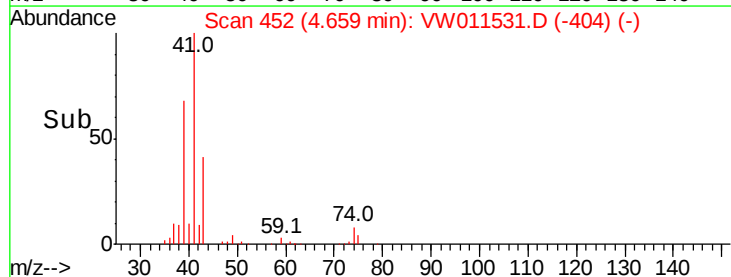
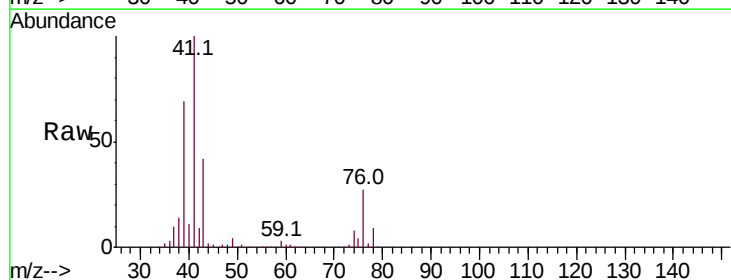
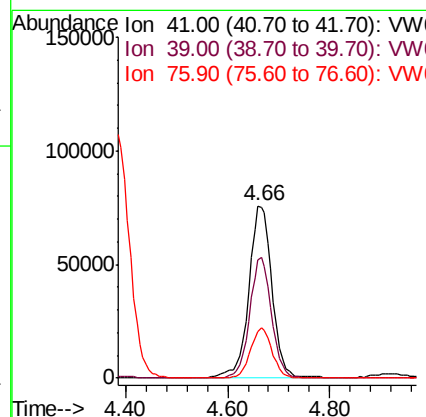
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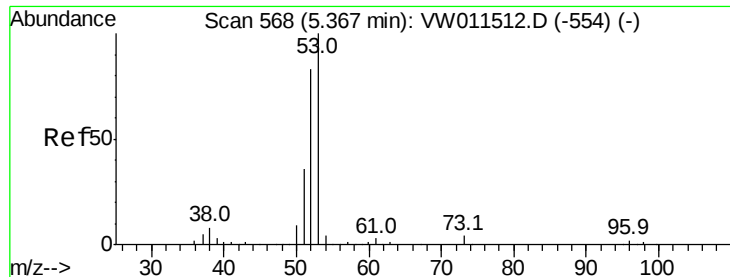
MMDadoda
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#14
Allyl chloride
Concen: 50.963 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion	41	Resp	237913
Ion Ratio	Lower	Upper	
41	100		
39	65.5	52.6	78.8
76	27.1	22.0	33.0





#15

Acrylonitrile

Concen: 274.201 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

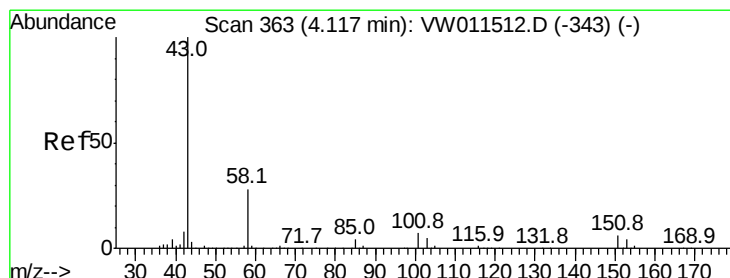
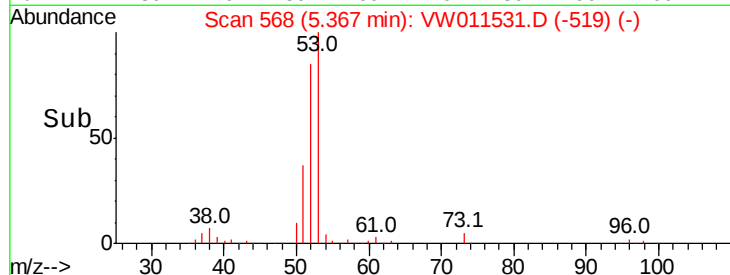
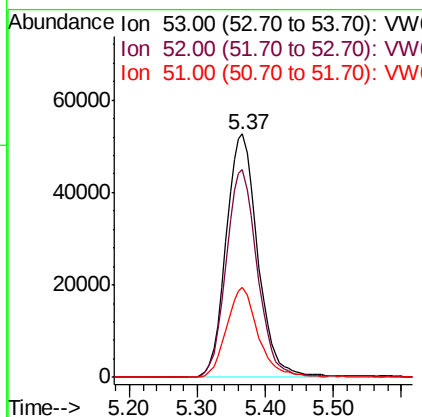
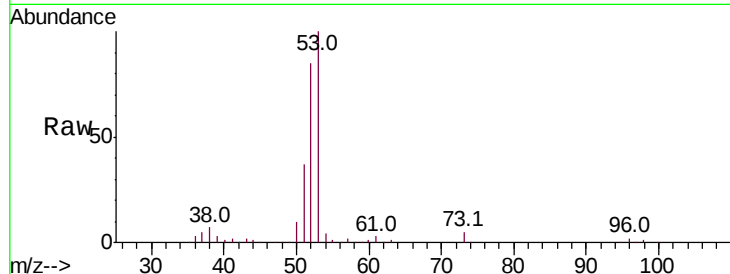
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	170071
Ion	Ratio	Lower	Upper
53	100		
52	84.4	67.2	100.8
51	36.6	30.0	45.0

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#16

Acetone

Concen: 215.761 ug/l

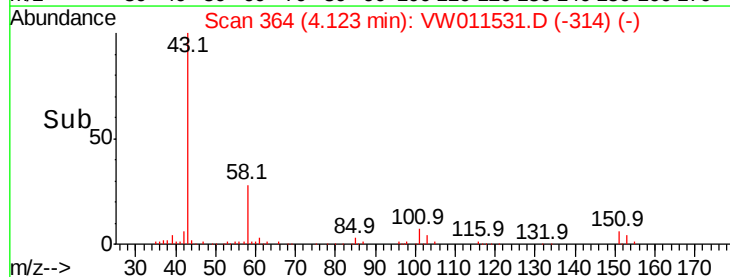
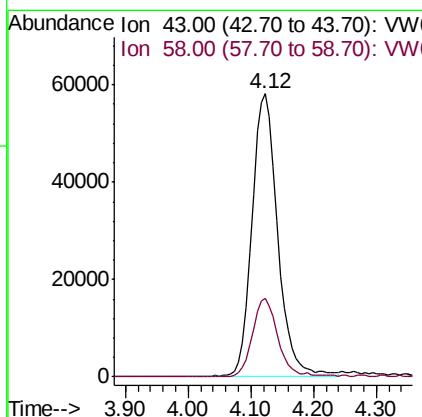
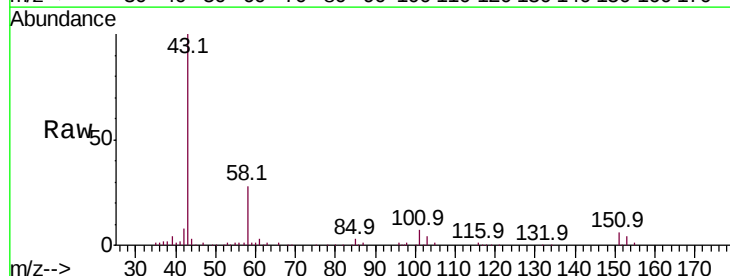
RT: 4.12 min Scan# 364

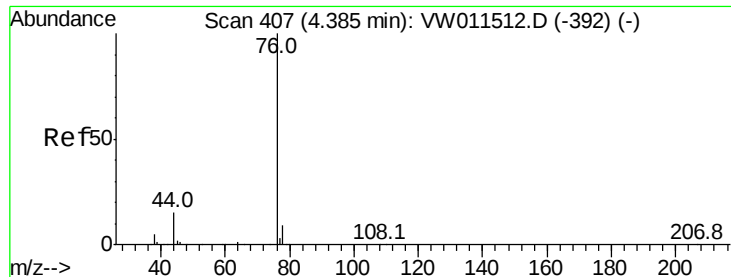
Delta R.T. 0.01 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Tgt Ion:	43	Resp:	166095
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.3	33.5





#17

Carbon Disulfide

Concen: 49.114 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 337402

Ion Ratio Lower Upper

76 100

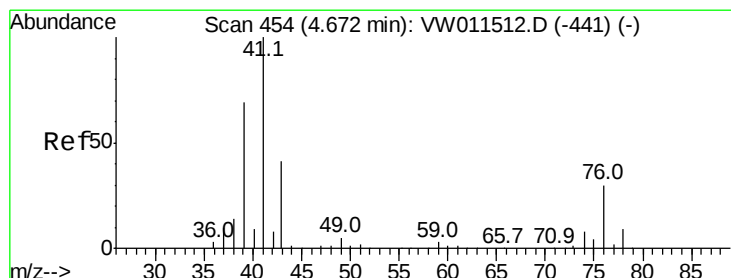
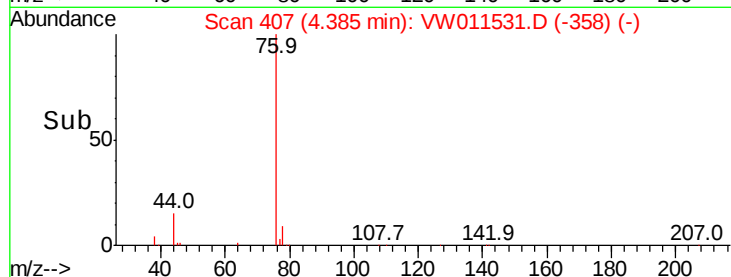
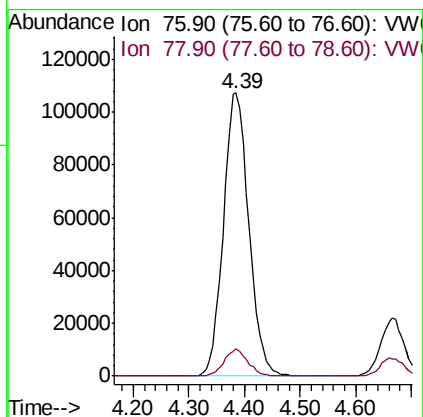
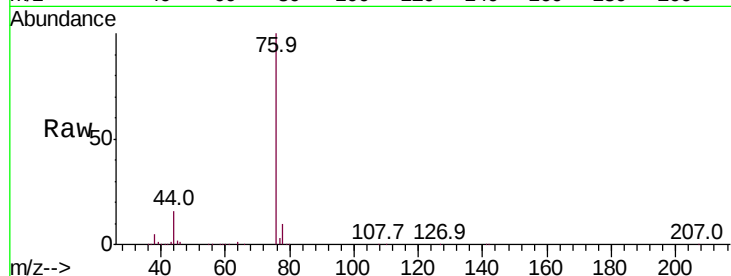
78 9.6 7.1 10.7

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#18

Methyl Acetate

Concen: 60.141 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011531.D

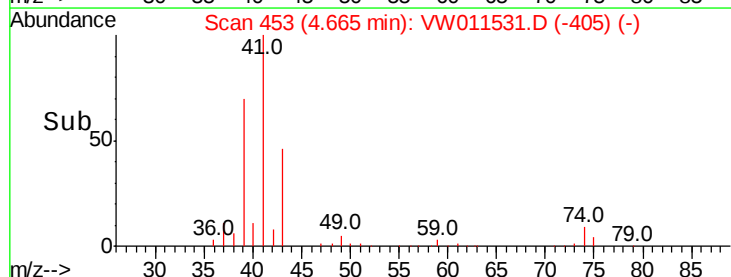
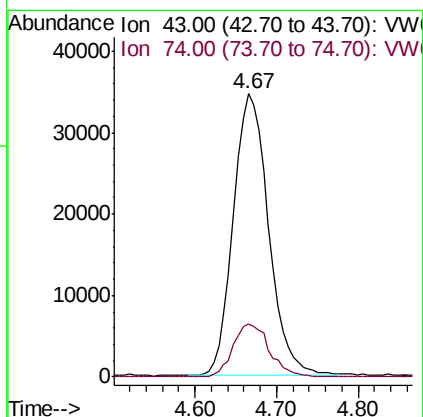
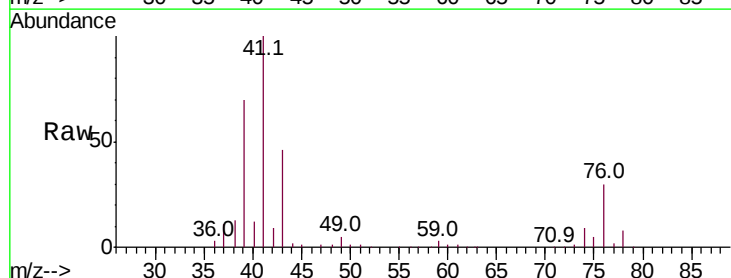
Acq: 26 Jul 2019 22:16

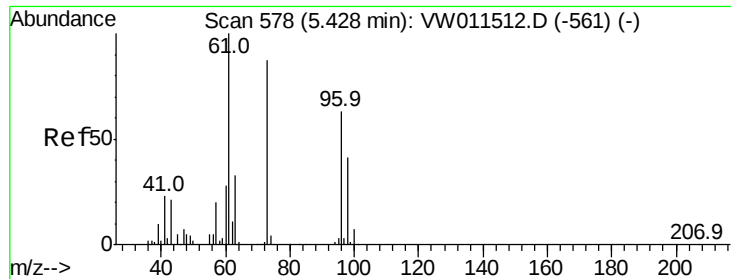
Tgt Ion: 43 Resp: 104006

Ion Ratio Lower Upper

43 100

74 19.3 15.9 23.9





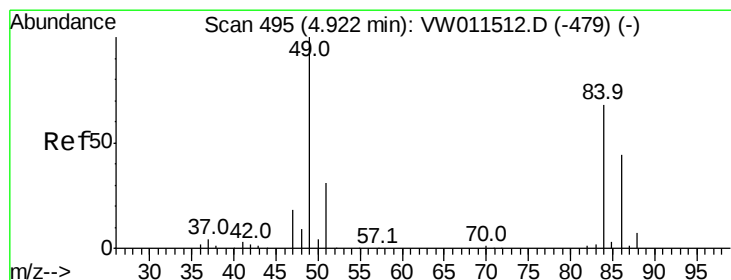
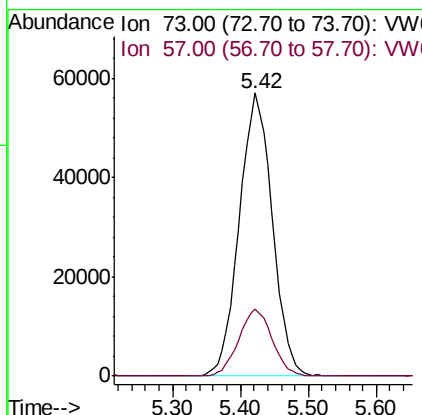
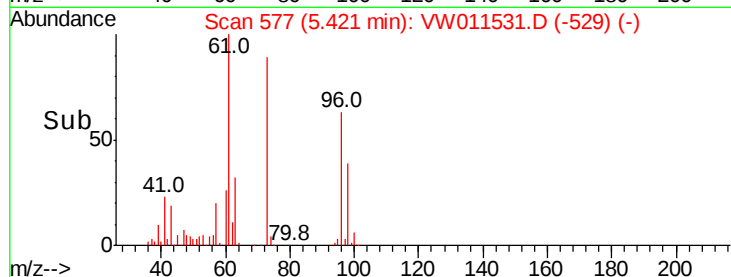
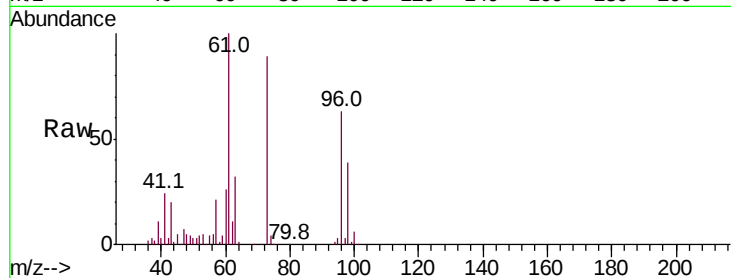
#19
Methvl tert-butvl Ether
Concen: 55.455 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.4	27.6

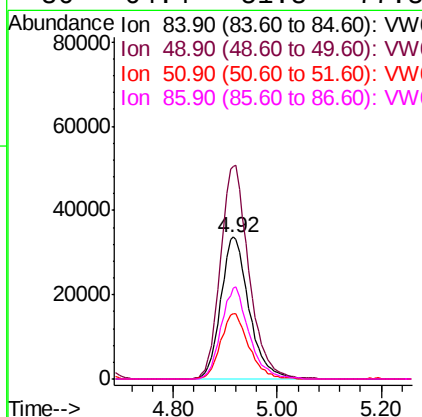
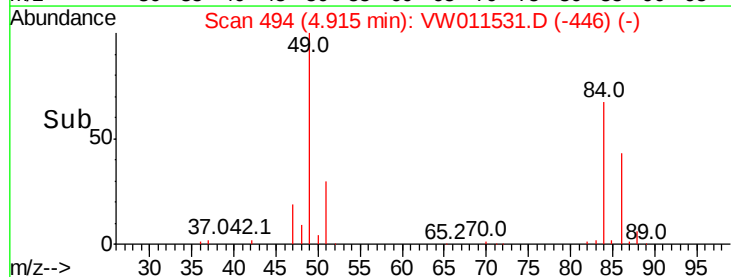
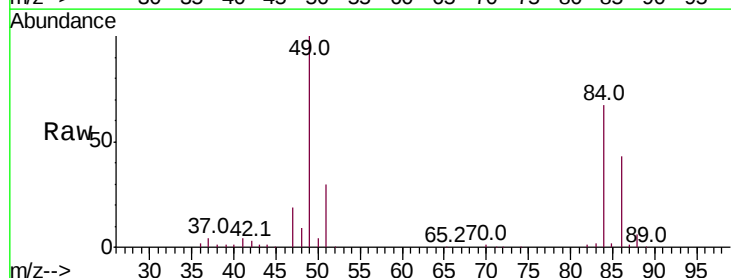
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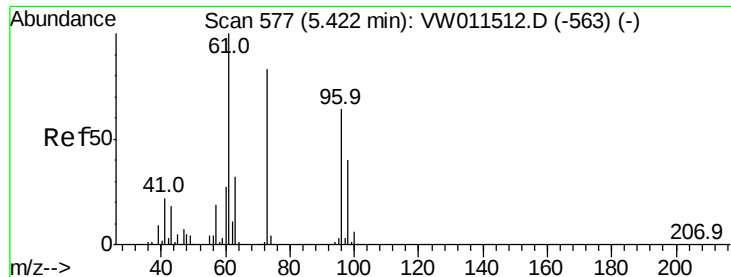
MMDadoda
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#20
Methylene Chloride
Concen: 48.335 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.9	117.8	176.6
51	45.7	37.0	55.4
86	64.4	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 51.052 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 120808

Ion Ratio Lower Upper

96 100

61 158.9 125.7 188.5

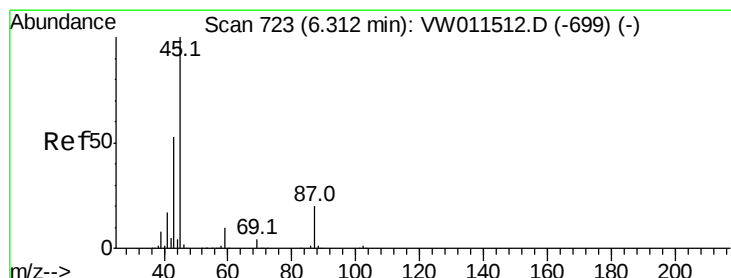
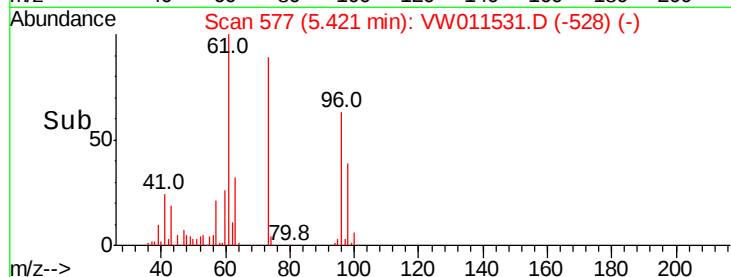
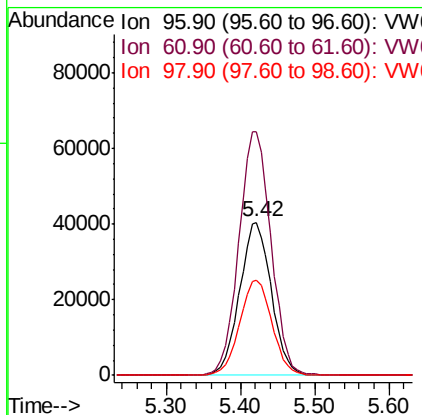
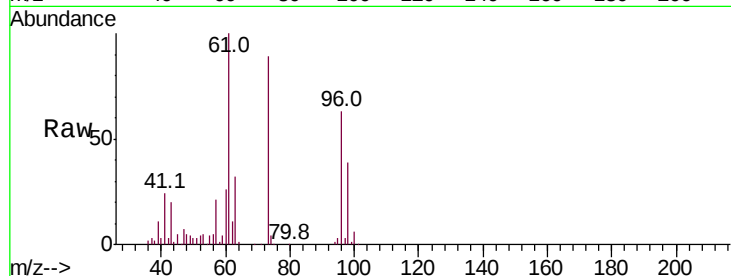
98 61.8 50.3 75.5

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#22

Diisopropyl ether

Concen: 53.169 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Tgt Ion: 45 Resp: 467967

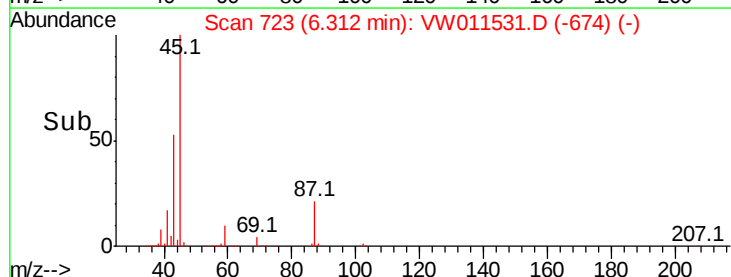
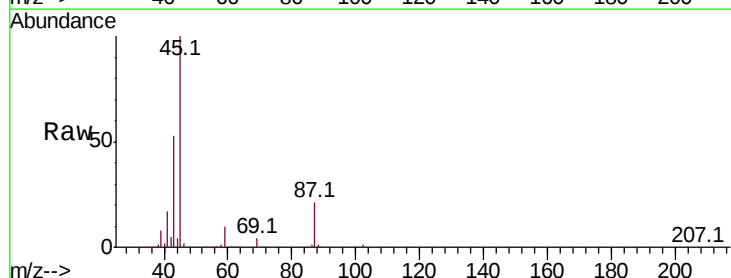
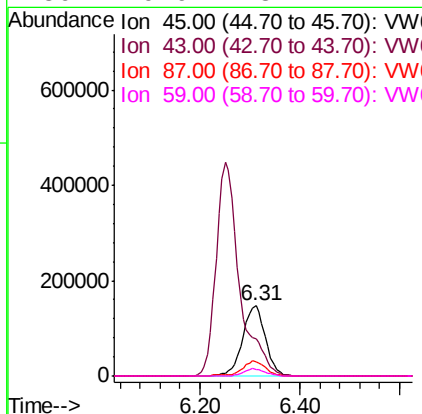
Ion Ratio Lower Upper

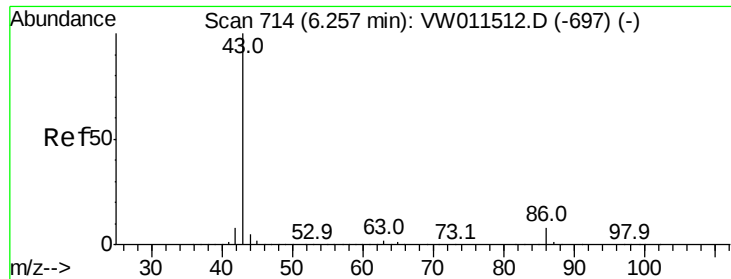
45 100

43 52.8 42.6 63.8

87 20.7 16.4 24.6

59 9.9 8.2 12.2





#23

Vinyl Acetate

Concen: 264.196 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1461144

Ion Ratio Lower Upper

43 100

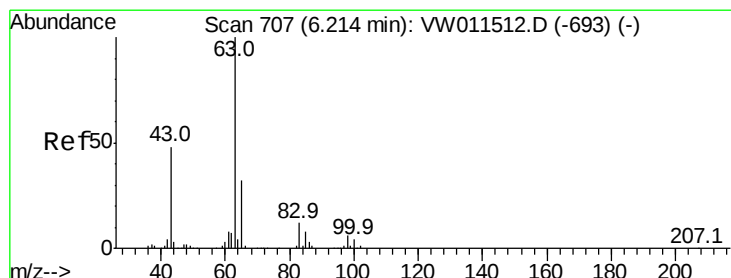
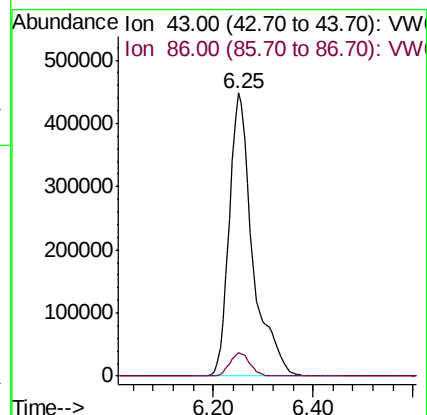
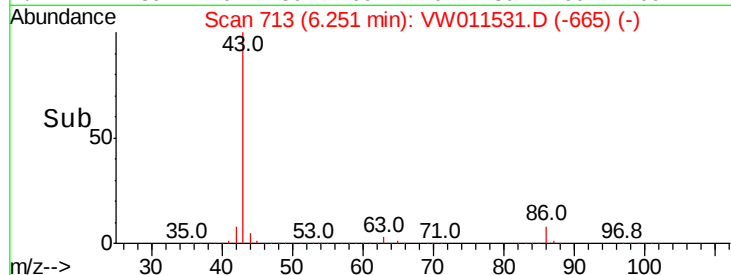
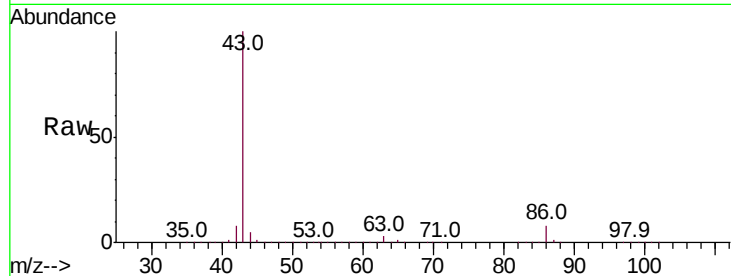
86 8.2 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 52.038 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

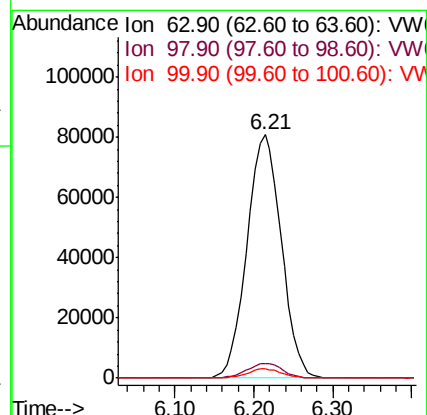
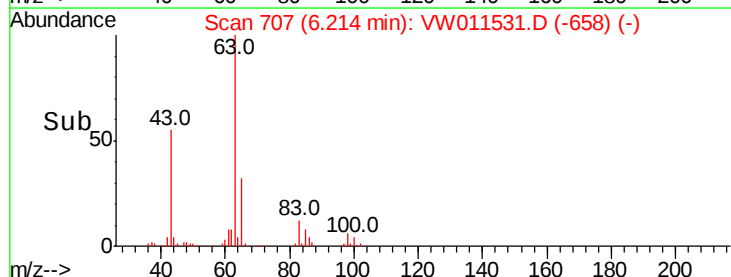
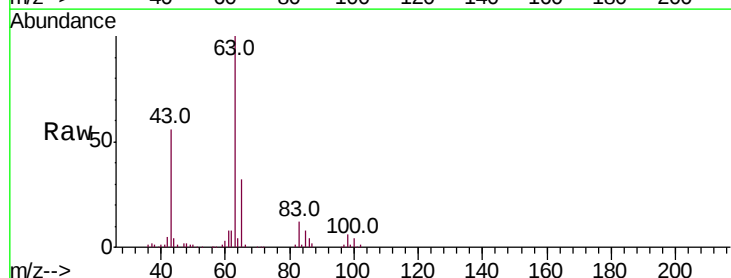
Tgt Ion: 63 Resp: 245301

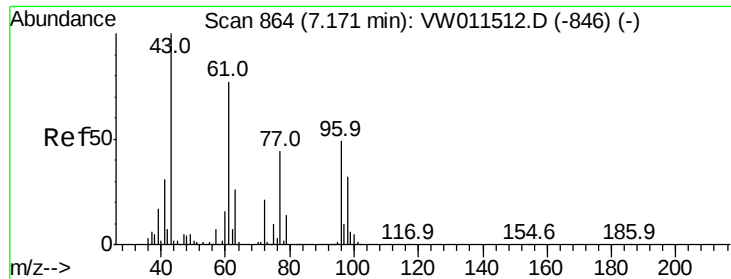
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.7 2.1 6.3





#25

2-Butanone

Concen: 255.050 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 256917

Ion Ratio Lower Upper

43 100

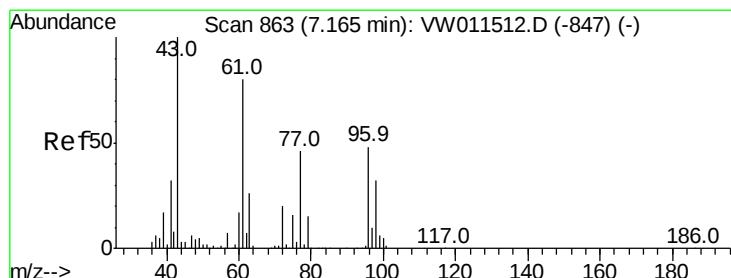
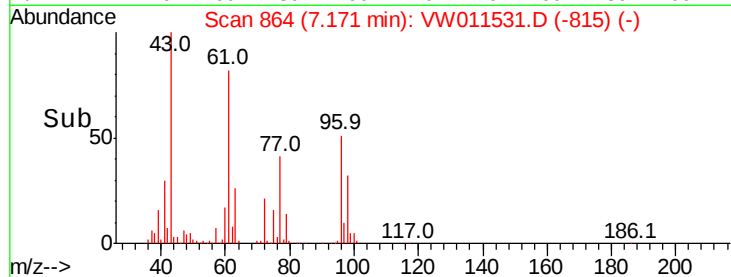
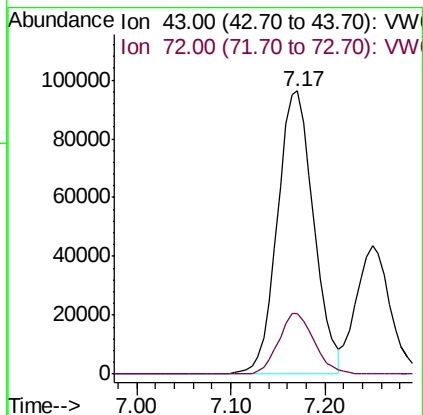
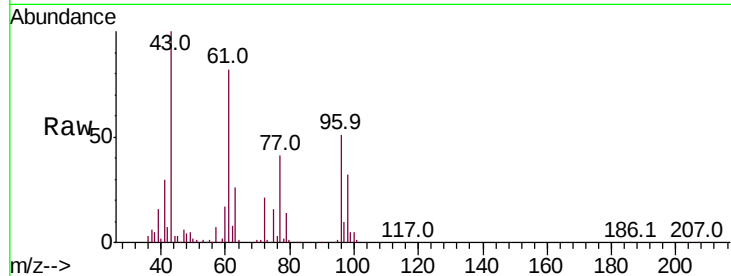
72 21.4 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.777 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011531.D

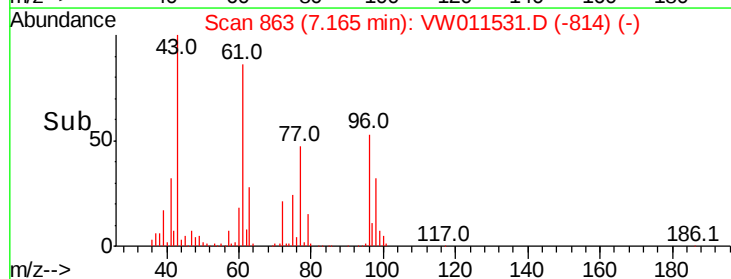
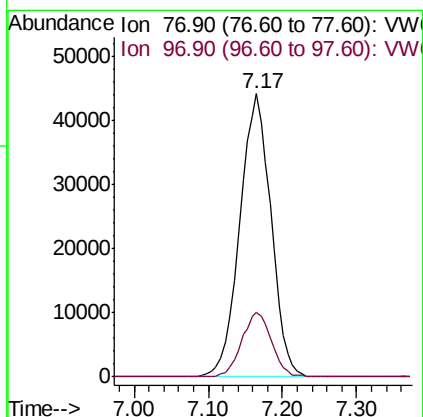
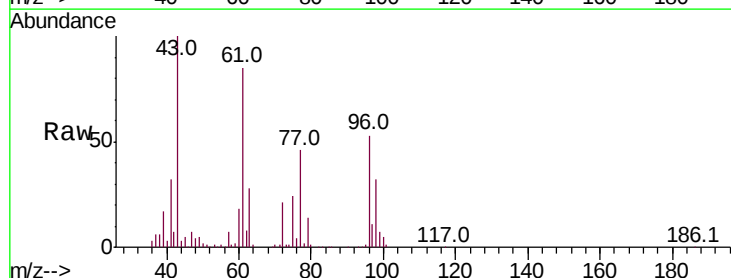
Acq: 26 Jul 2019 22:16

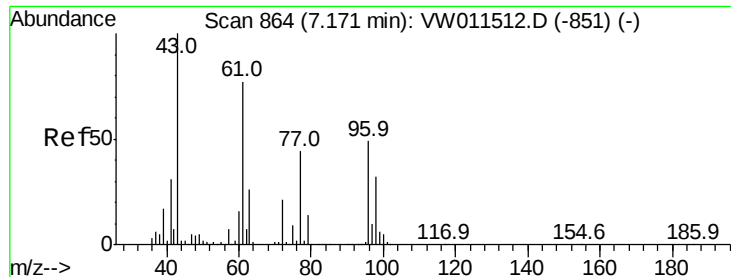
Tgt Ion: 77 Resp: 129806

Ion Ratio Lower Upper

77 100

97 21.9 10.8 32.4





#27

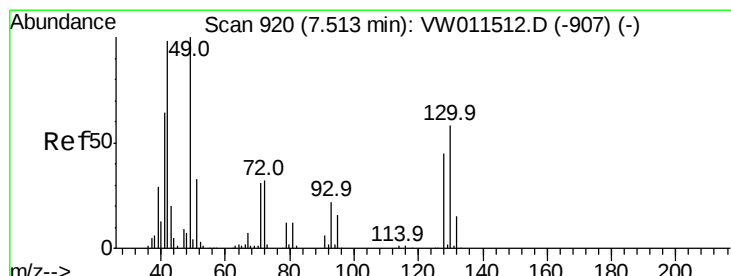
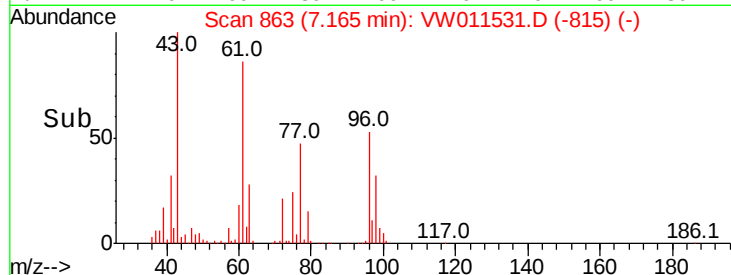
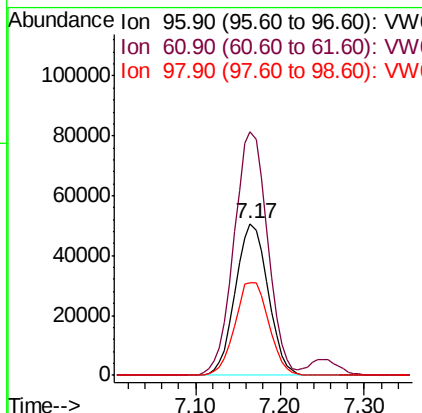
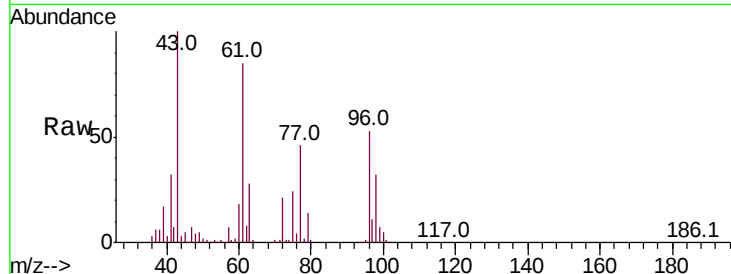
cis-1,2-Dichloroethene
Concen: 51.042 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.3	0.0	328.4
98	63.5	0.0	128.8

Manual Integrations
APPROVED

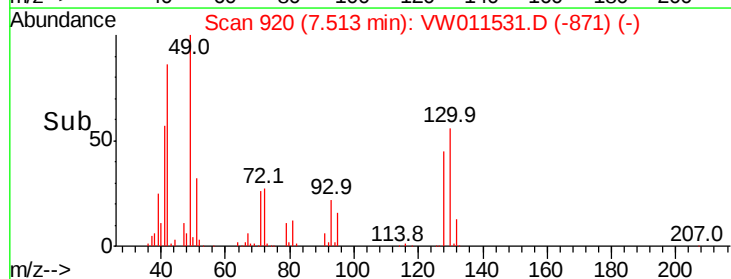
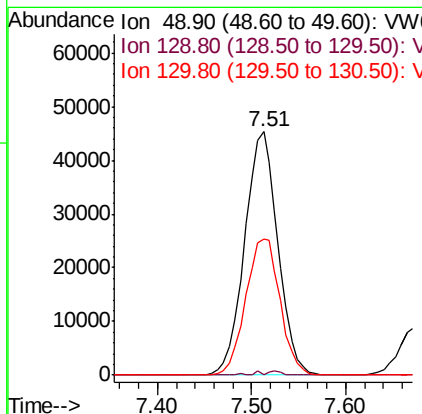
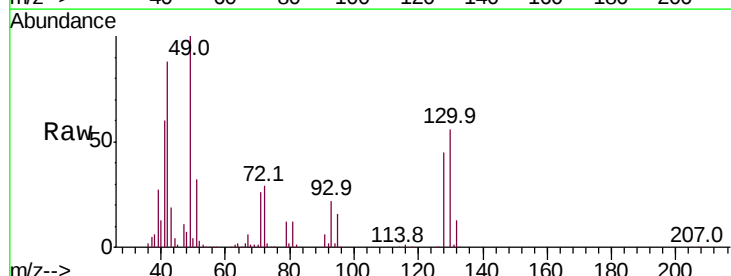
MMDadoda
7/29/2019 9:19:16 AM

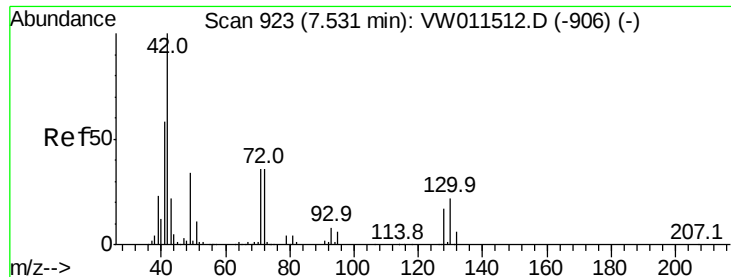


#28

Bromochloromethane
Concen: 53.581 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	1.0
130	57.8	46.3	69.5





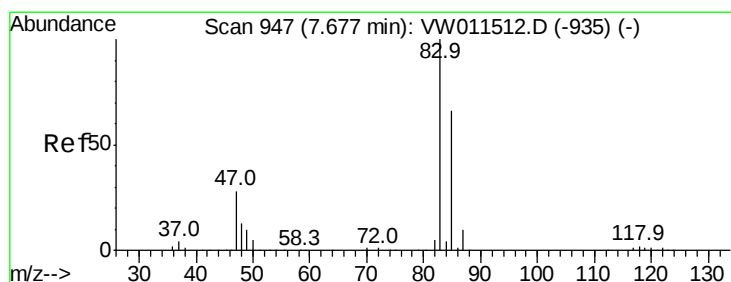
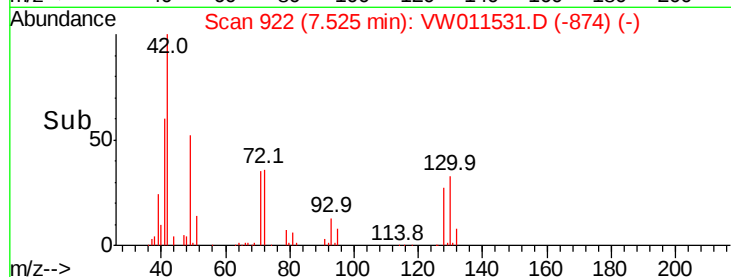
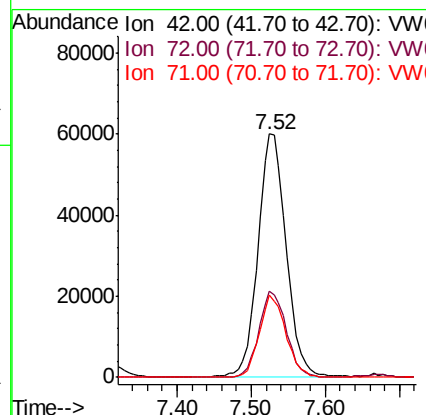
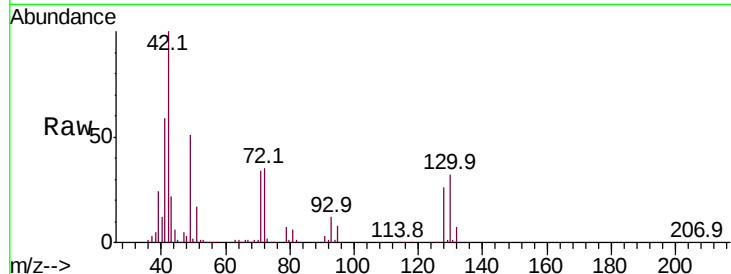
#29
Tetrahydrofuran
Concen: 276.350 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.6	27.1	40.7
71	32.1	26.2	39.4

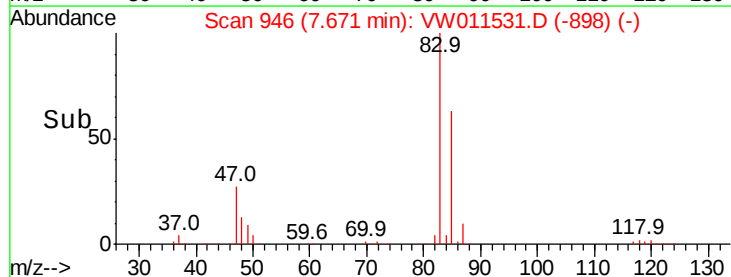
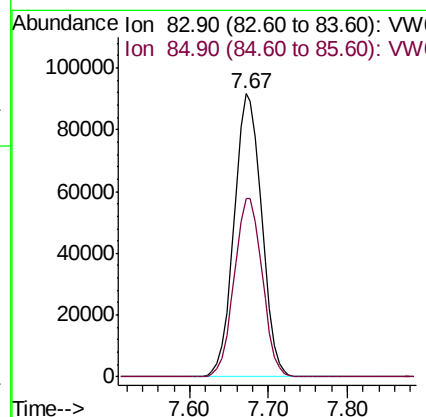
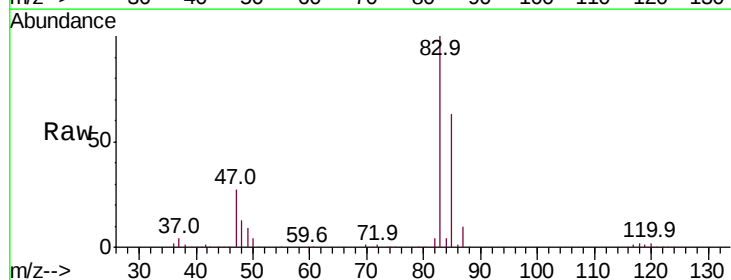
Manual Integrations
APPROVED

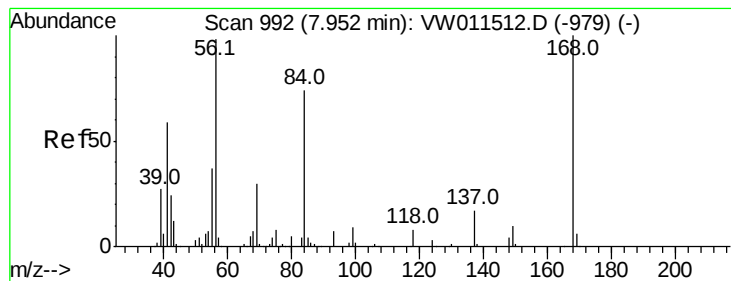
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#30
Chloroform
Concen: 51.294 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.5	78.7





#31

Cyclohexane

Concen: 45.413 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 205486

Ion Ratio Lower Upper

56 100

69 32.1 24.3 36.5

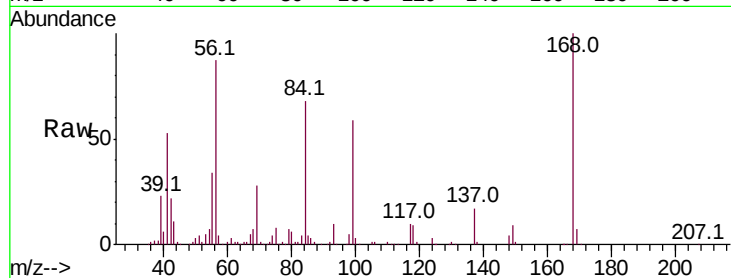
84 76.9 60.4 90.6

Manual Integrations

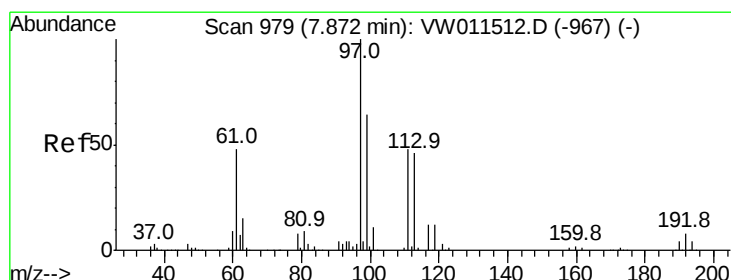
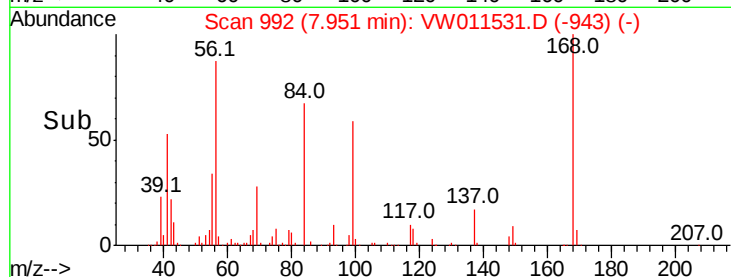
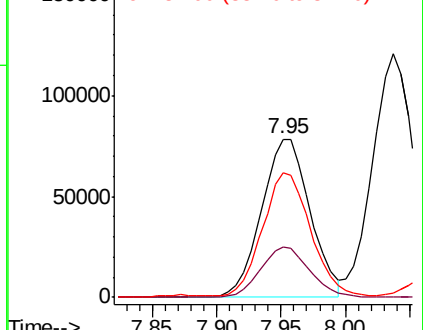
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 50.330 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

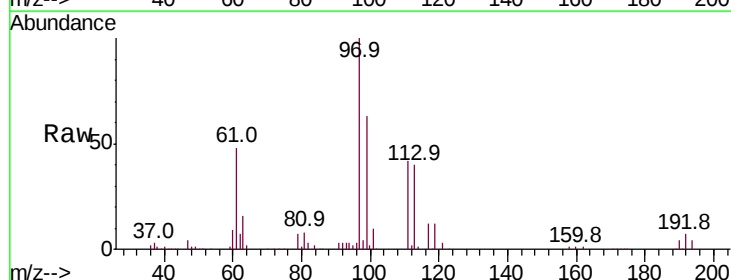
Tgt Ion: 97 Resp: 166690

Ion Ratio Lower Upper

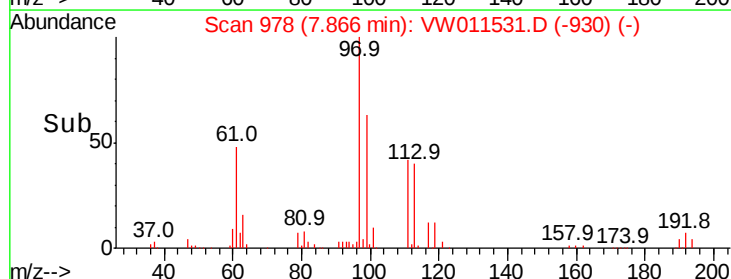
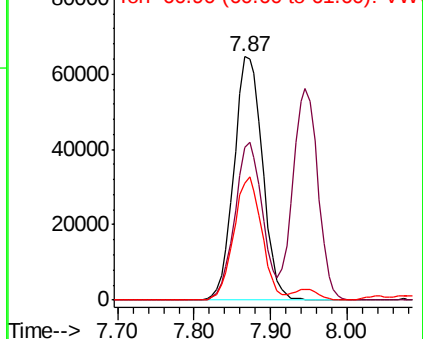
97 100

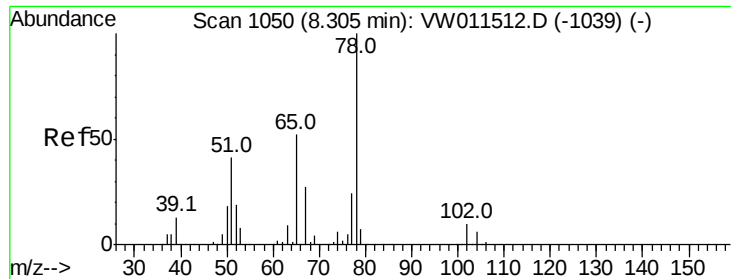
99 63.2 51.0 76.6

61 49.9 39.8 59.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





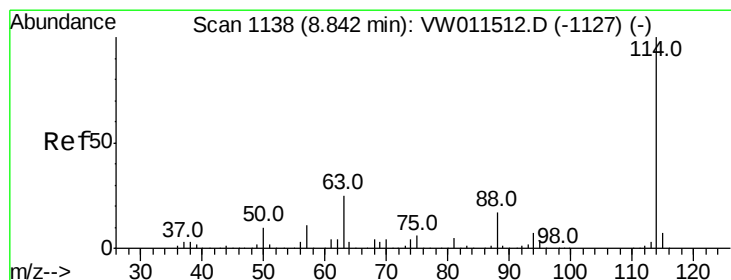
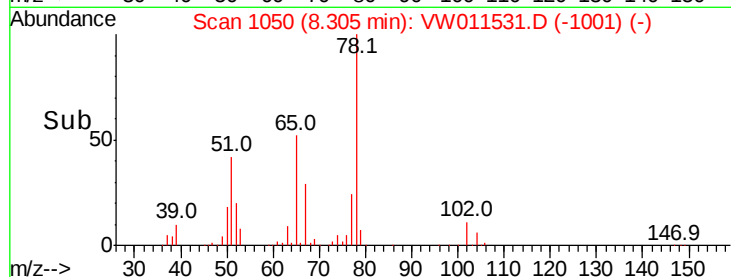
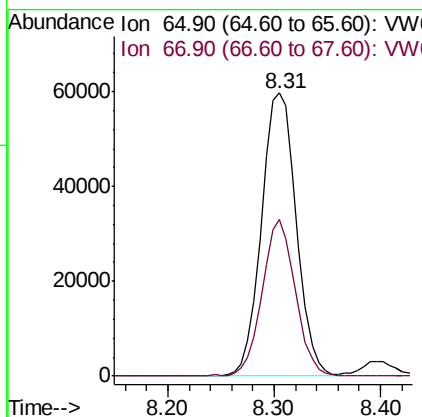
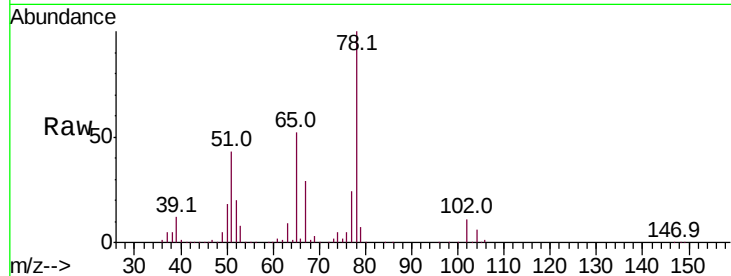
#33
 1,2-Dichloroethane-d4
 Concen: 56.406 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	105.2	

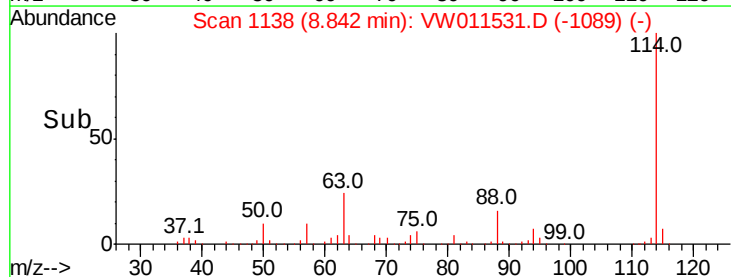
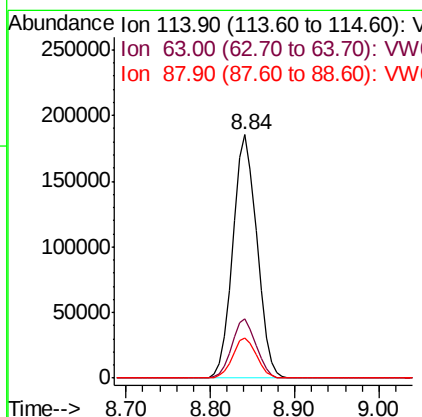
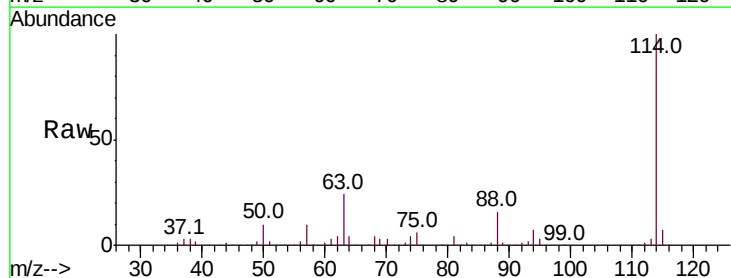
Manual Integrations
 APPROVED

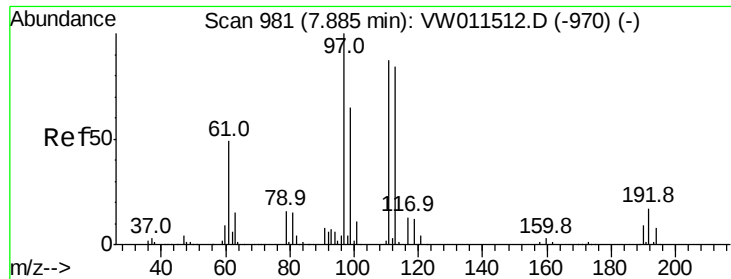
MMDadoda
 7/29/2019 9:19:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	24.1	0.0	49.2	
88	16.3	0.0	33.8	





#35

Dibromofluoromethane

Concen: 54.799 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

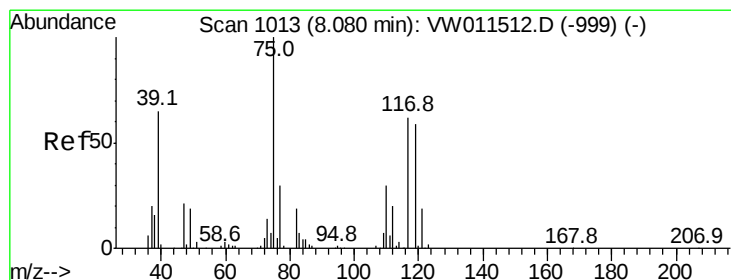
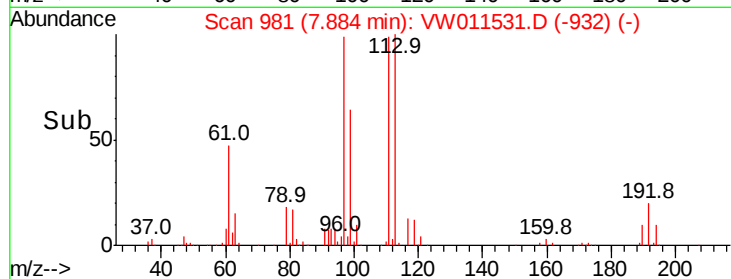
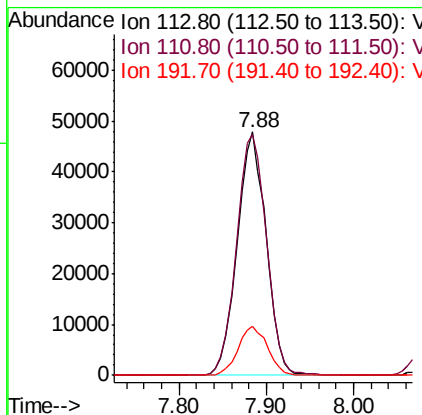
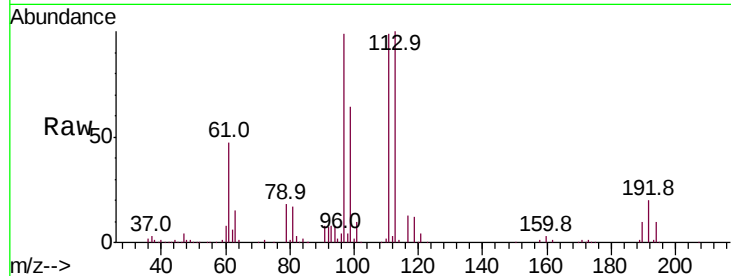
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	109919
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.7	124.1
192	20.4	16.1	24.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.301 ug/l

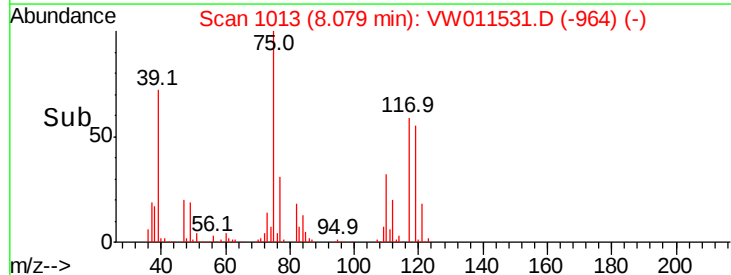
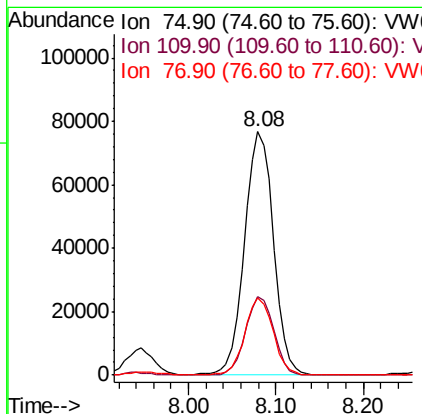
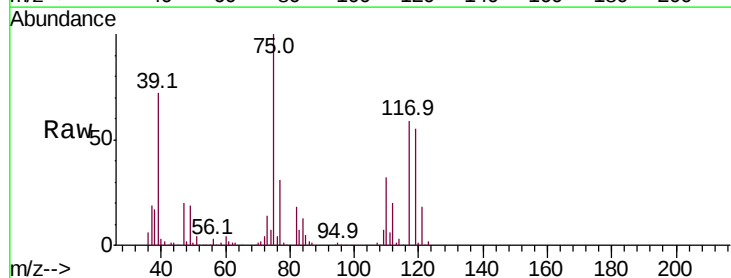
RT: 8.08 min Scan# 1013

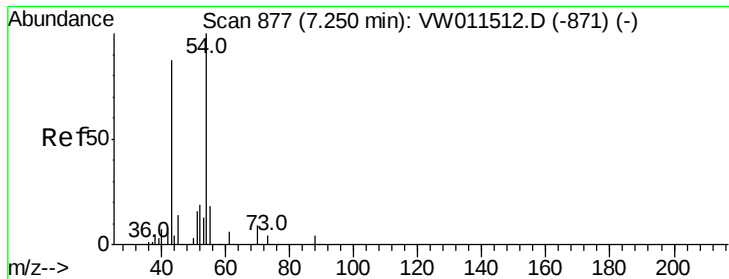
Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Tgt Ion:	75	Resp:	175853
Ion Ratio	Lower	Upper	
75	100		
110	31.5	15.6	46.8
77	31.1	24.3	36.5





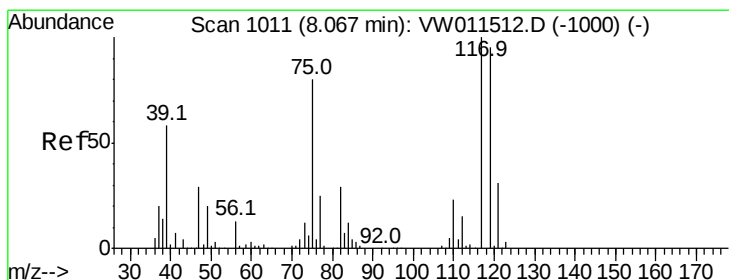
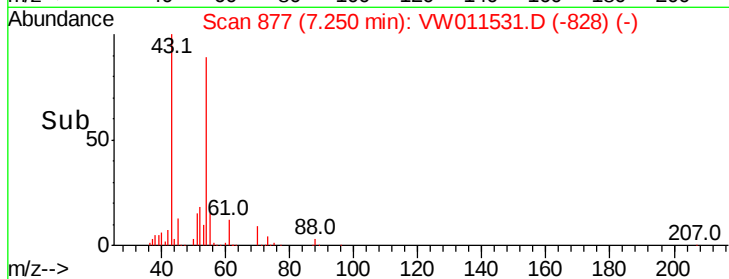
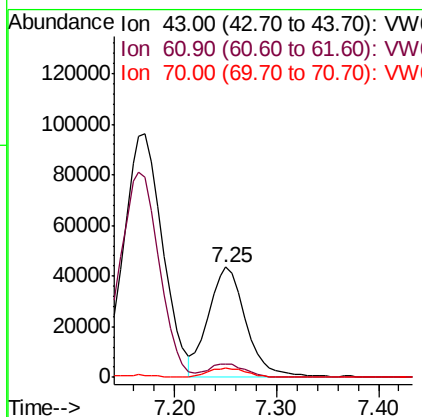
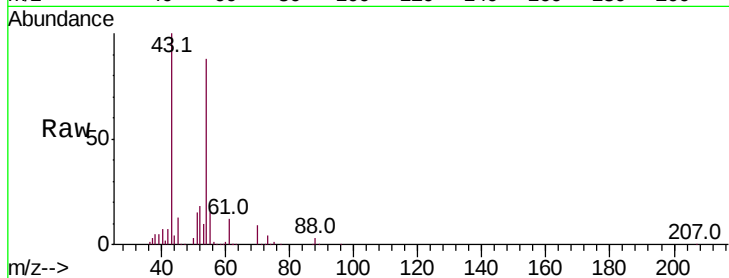
#37
Ethyl Acetate
Concen: 51.751 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	8.8	13.2
70	8.9	7.1	10.7

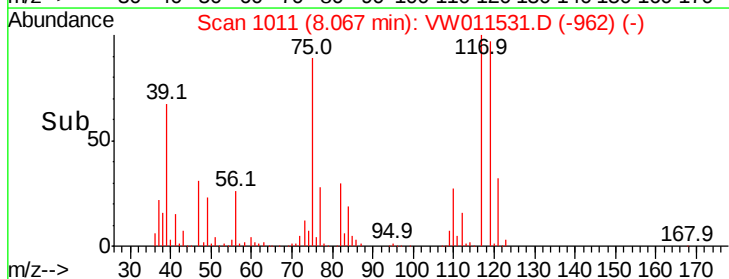
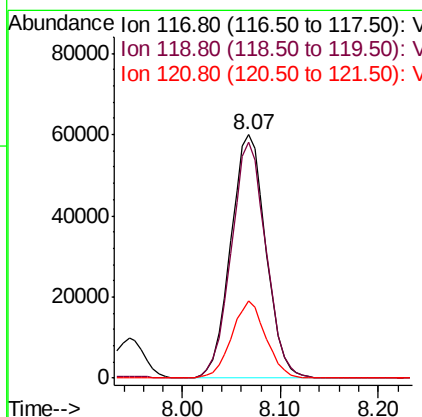
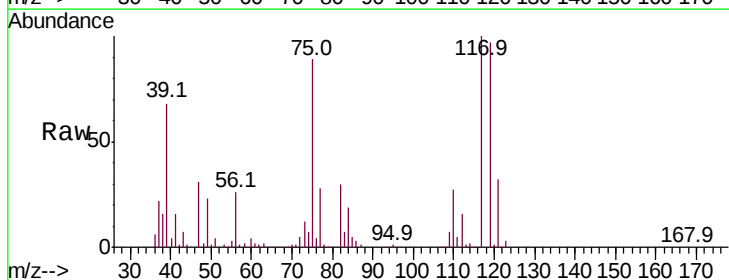
Manual Integrations
APPROVED

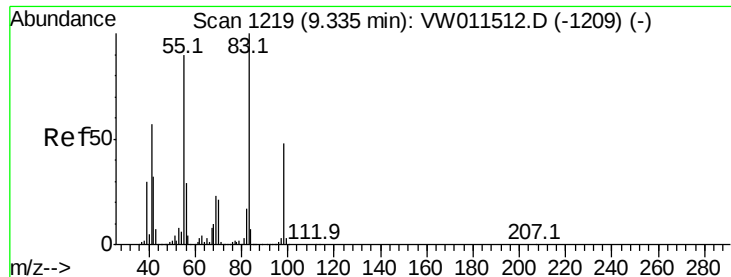
MMDadoda
7/29/2019 9:19:16 AM



#38
Carbon Tetrachloride
Concen: 46.818 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.6
121	31.8	24.7	37.1





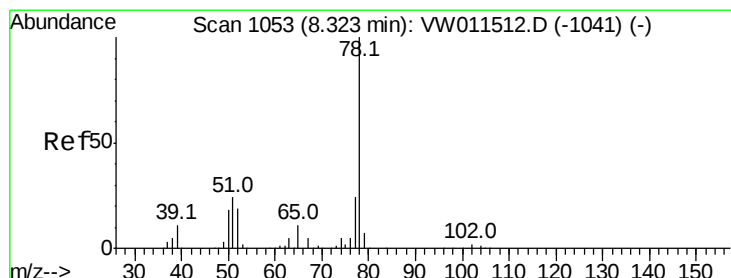
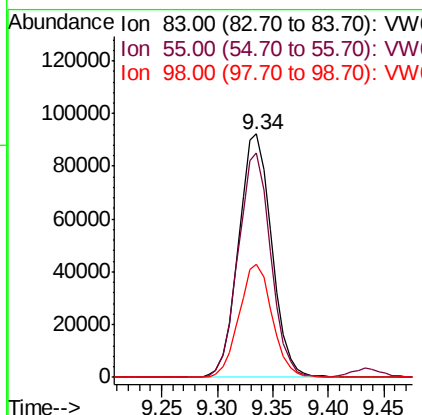
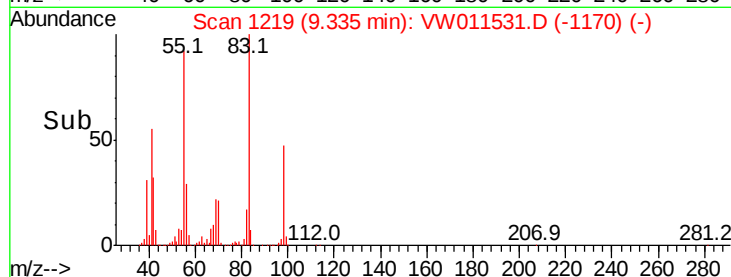
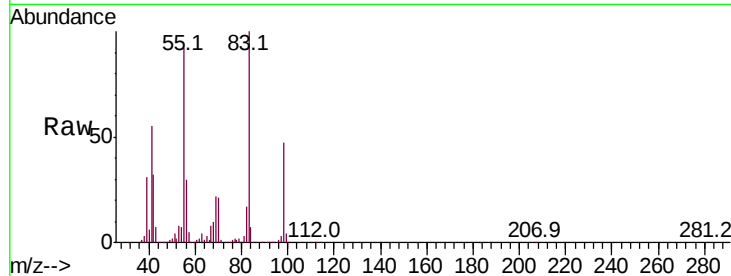
#39
Methvlcvclohexane
Concen: 46.676 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	191076
Ion Ratio	100	Lower	Upper
83	100		
55	92.1	72.1	108.1
98	46.6	38.6	57.8

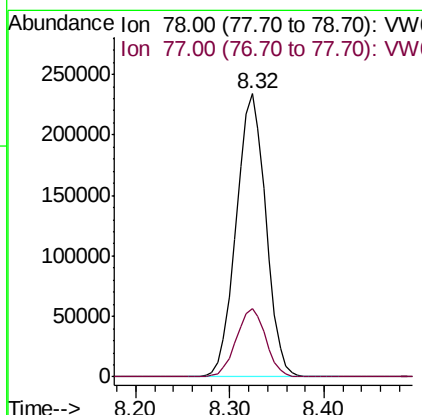
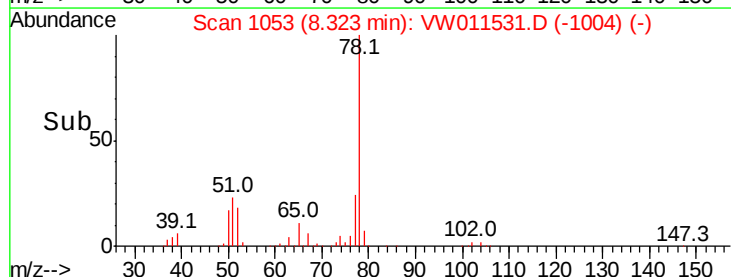
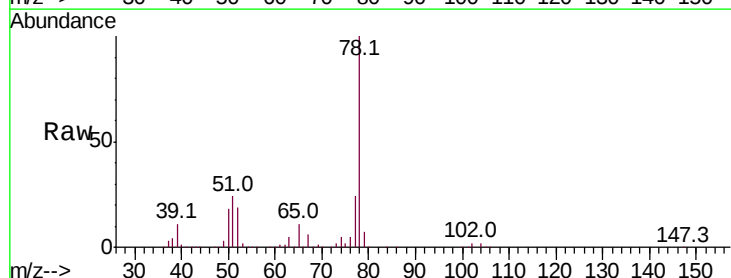
Manual Integrations
APPROVED

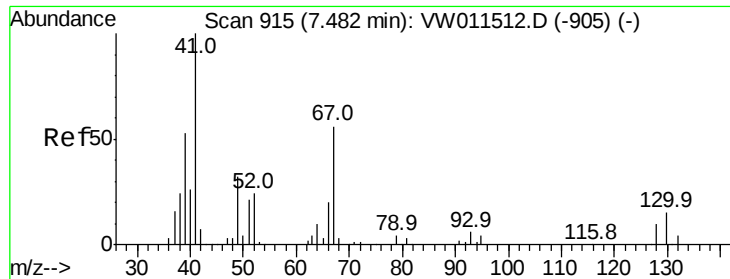
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#40
Benzene
Concen: 49.324 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion	78	Resp	513636
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	19.4	29.0





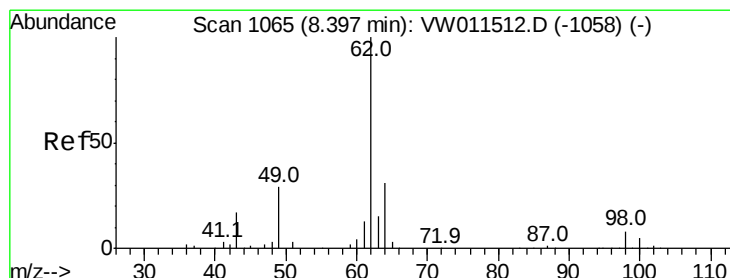
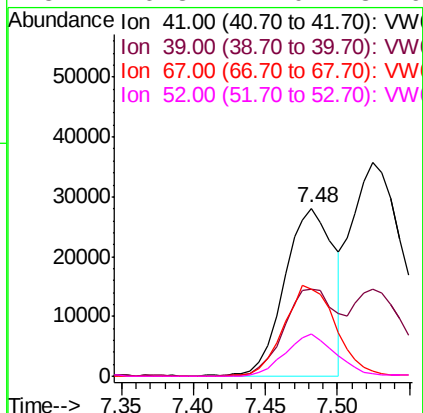
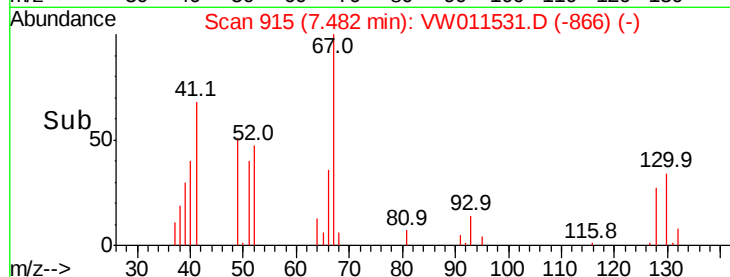
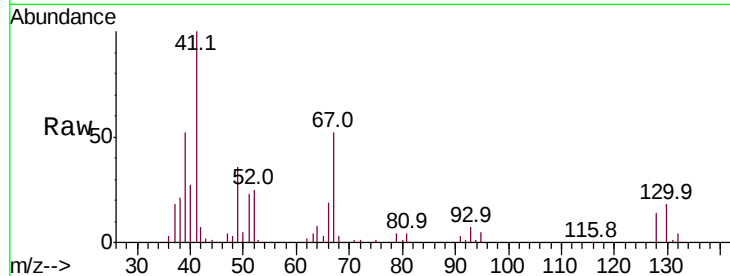
#41
Methacrylonitrile
Concen: 52.537 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.6	43.0	64.4
67	57.5	47.5	71.3
52	26.3	21.0	31.6

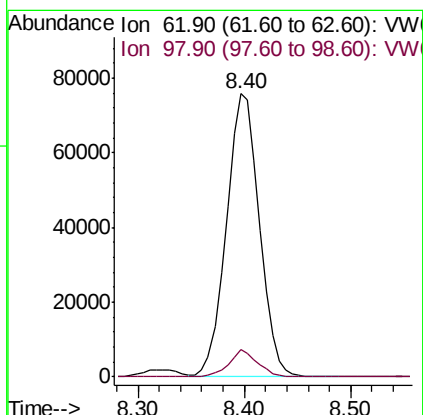
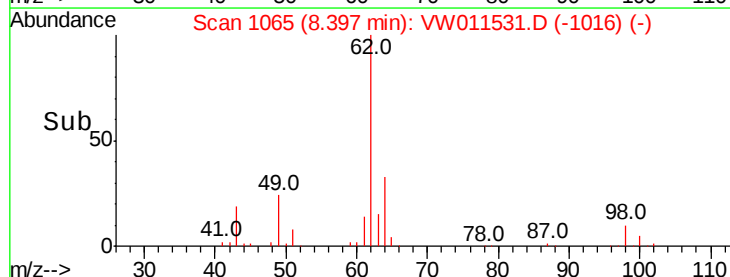
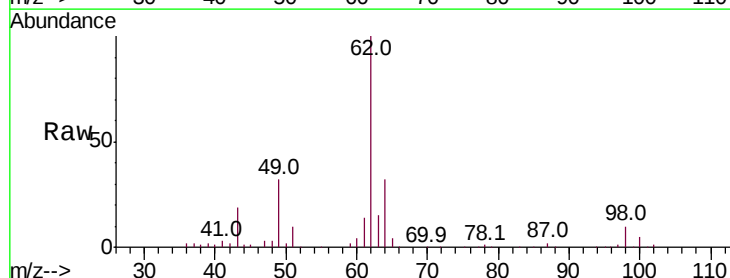
Manual Integrations
APPROVED

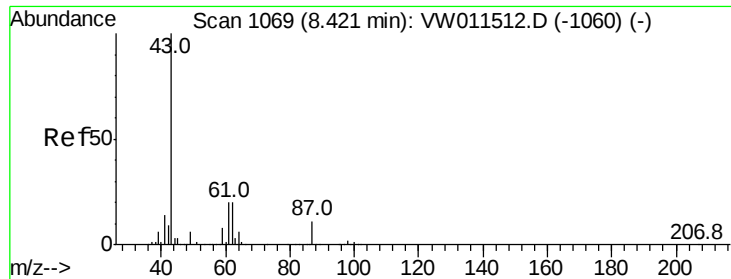
MMDadoda
7/29/2019 9:19:16 AM



#42
1,2-Dichloroethane
Concen: 50.178 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8





#43

Isopropyl Acetate

Concen: 52.198 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

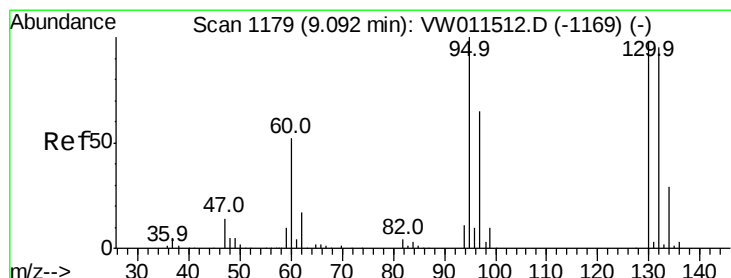
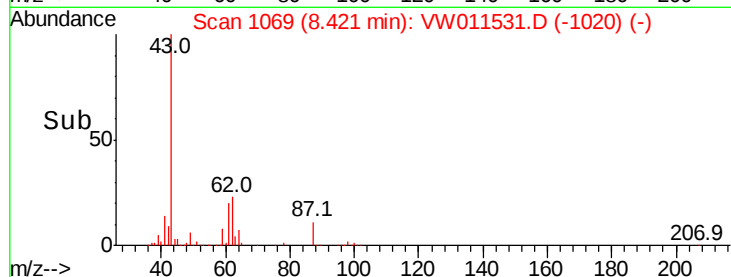
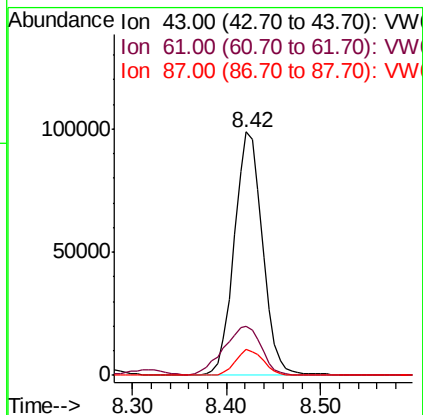
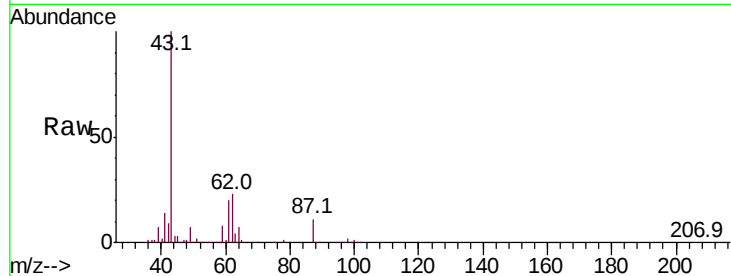
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	205329
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.5	32.3
87	10.5	8.4	12.6

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#44

Trichloroethene

Concen: 47.983 ug/l

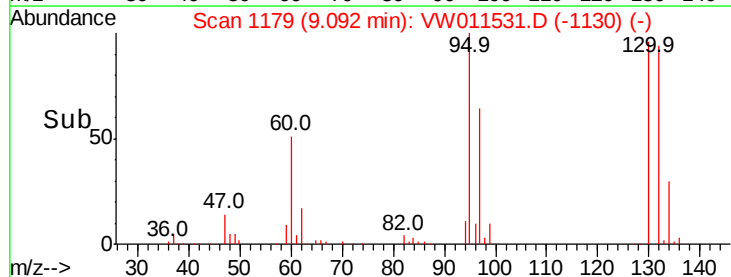
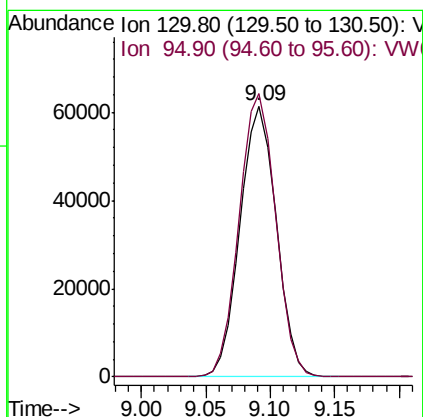
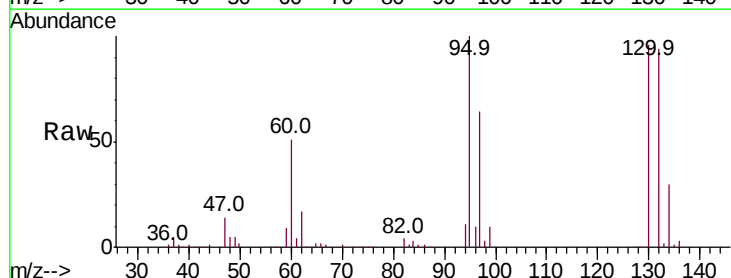
RT: 9.09 min Scan# 1179

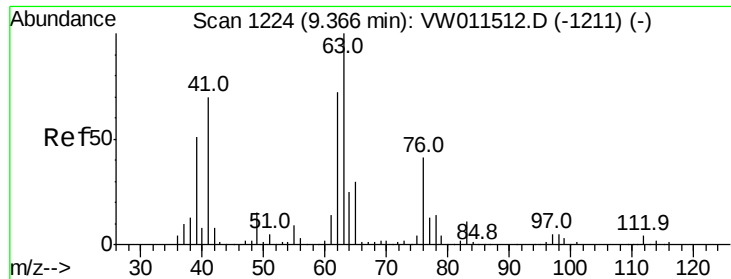
Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Tgt Ion:	130	Resp:	120096
Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	204.8





#45

1,2-Dichloropropane

Concen: 50.266 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 140058

Ion Ratio Lower Upper

63 100

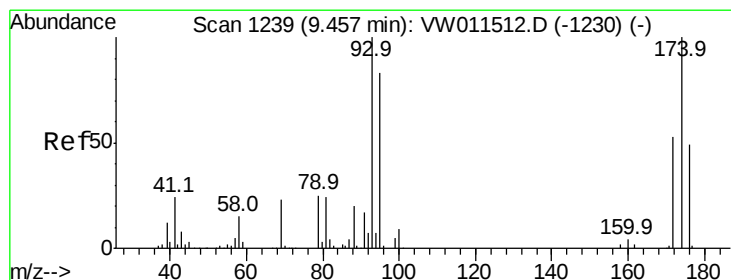
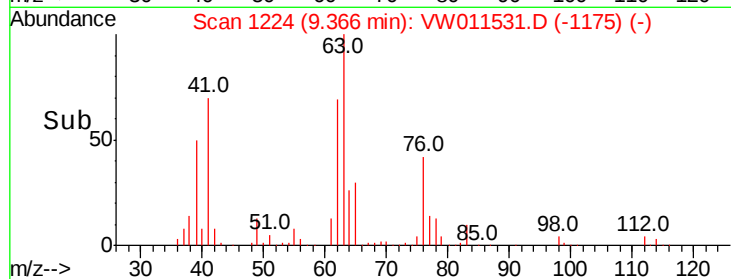
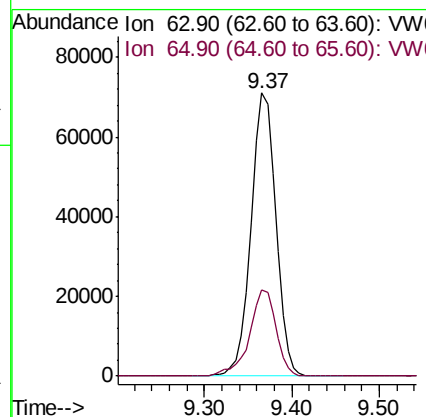
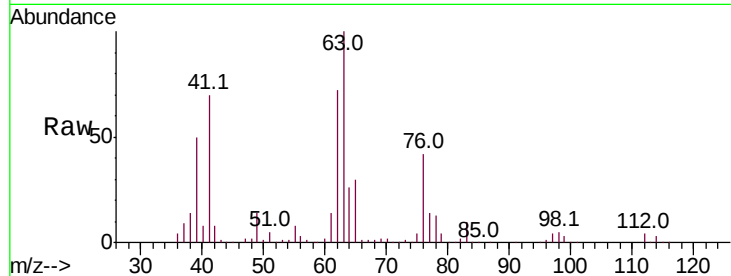
65 30.5 24.2 36.4

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#46

Dibromomethane

Concen: 51.765 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

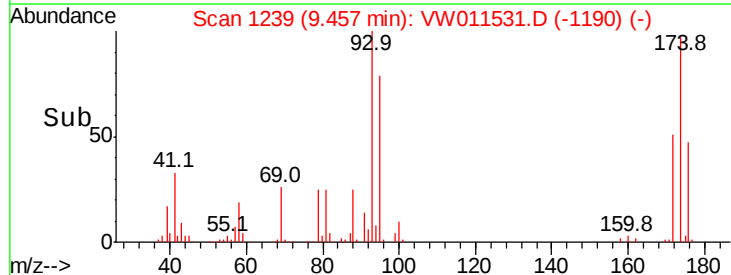
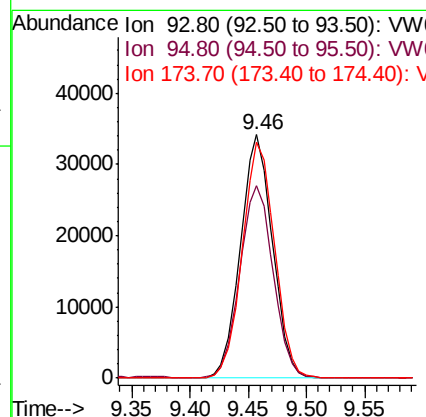
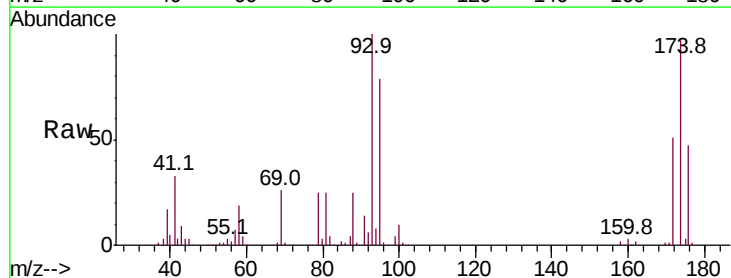
Tgt Ion: 93 Resp: 65831

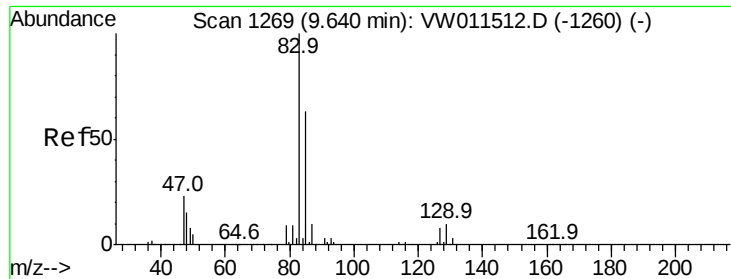
Ion Ratio Lower Upper

93 100

95 81.9 66.2 99.2

174 97.5 78.2 117.4





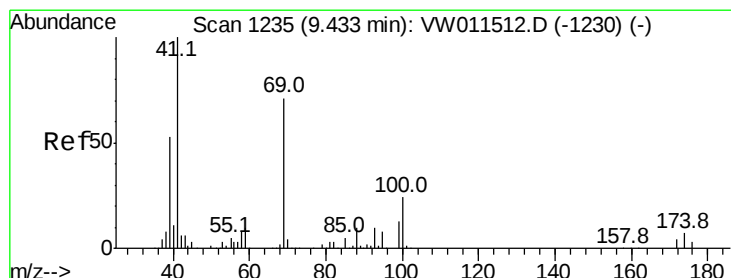
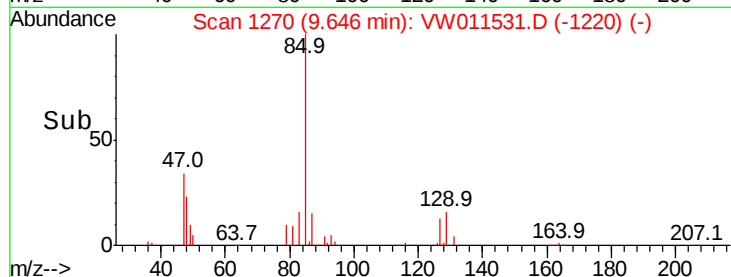
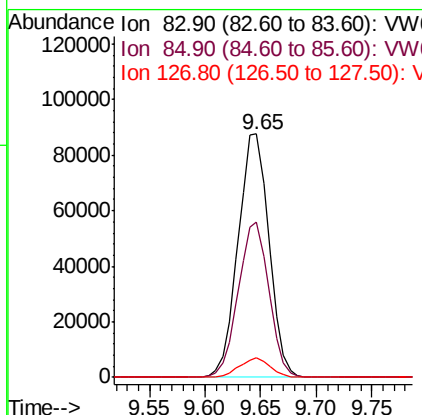
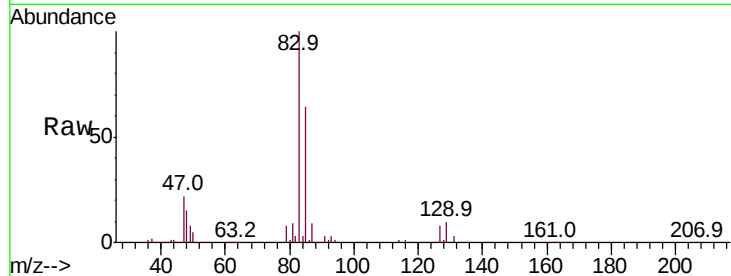
#47
Bromodichloromethane
Concen: 50.698 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	169124		
85	63.7	50.5	75.7	
127	8.1	6.4	9.6	

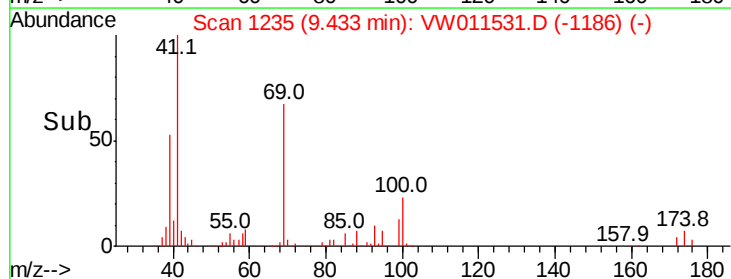
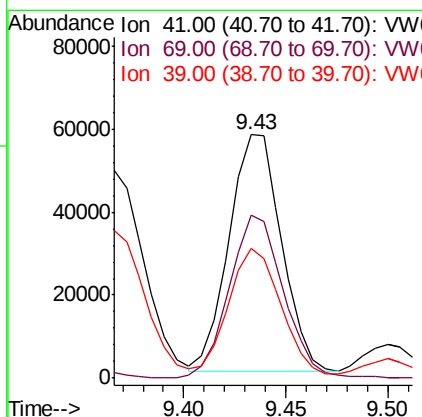
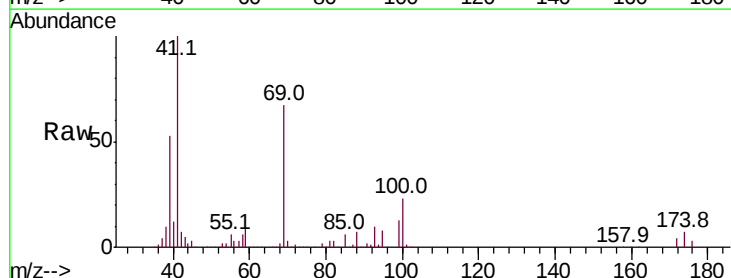
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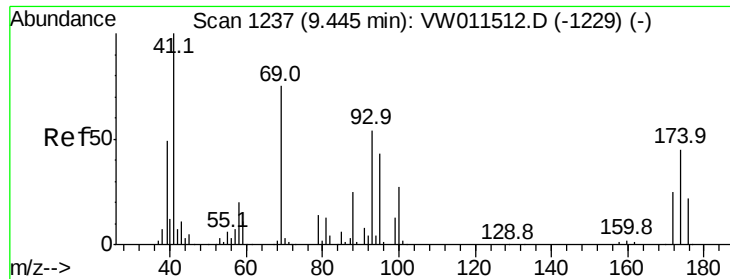
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#48
Methyl methacrylate
Concen: 53.831 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	101717		
69	71.6	57.1	85.7	
39	56.4	45.4	68.2	





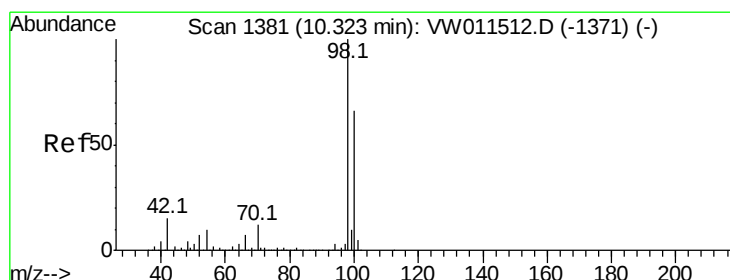
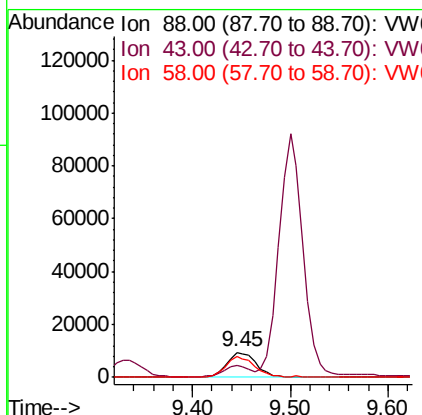
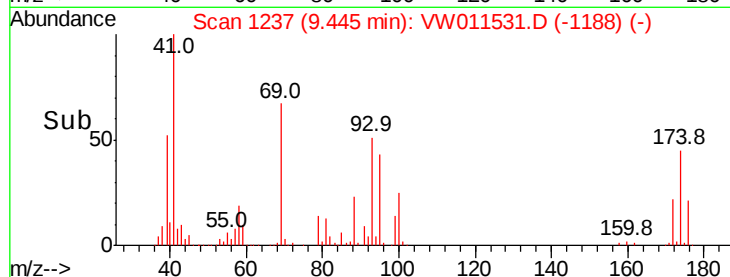
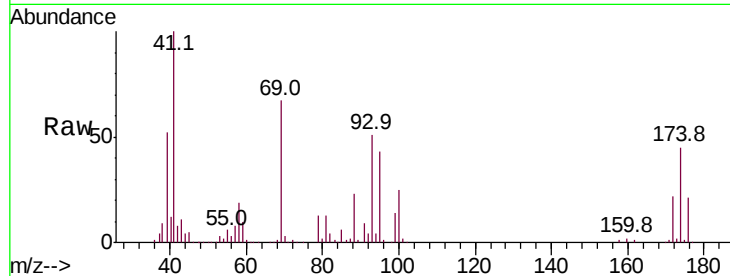
#49
1,4-Dioxane
Concen: 1074.188 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 19780
Ion Ratio Lower Upper
88 100
43 39.9 34.0 51.0
58 86.3 69.7 104.5

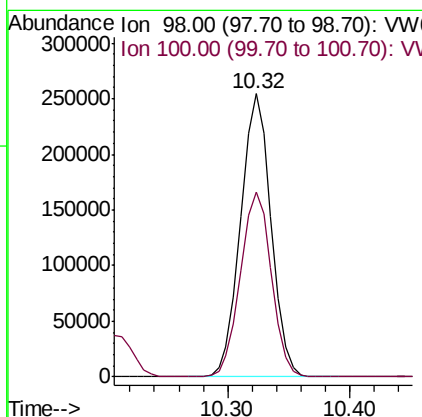
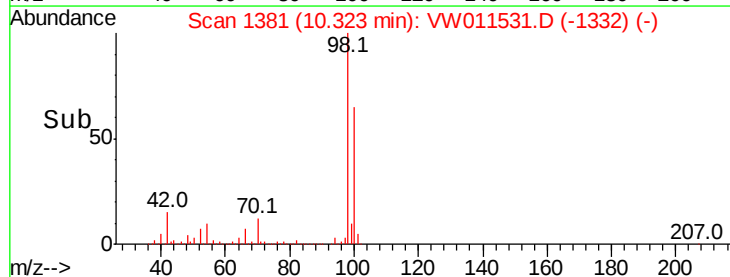
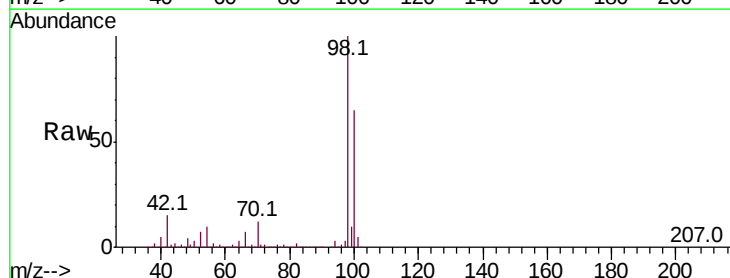
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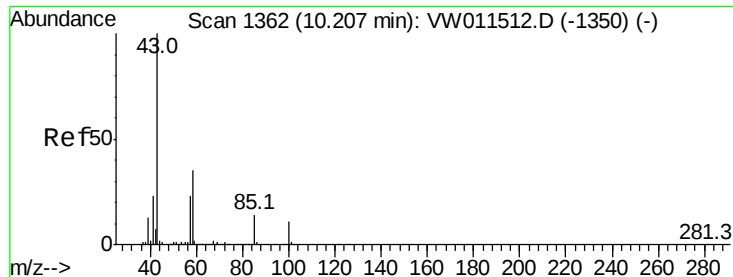
MMDadoda
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#50
Toluene-d8
Concen: 53.448 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion: 98 Resp: 438946
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 266.730 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 545750

Ion Ratio Lower Upper

43 100

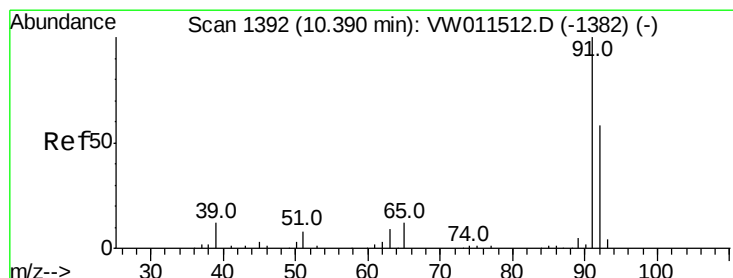
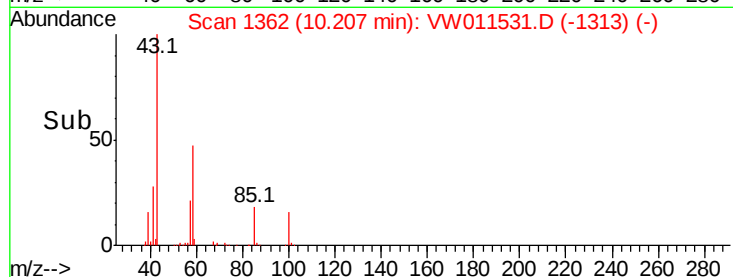
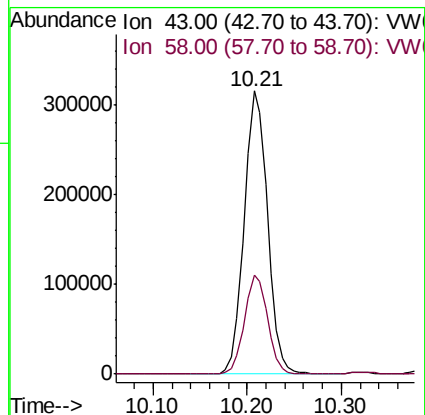
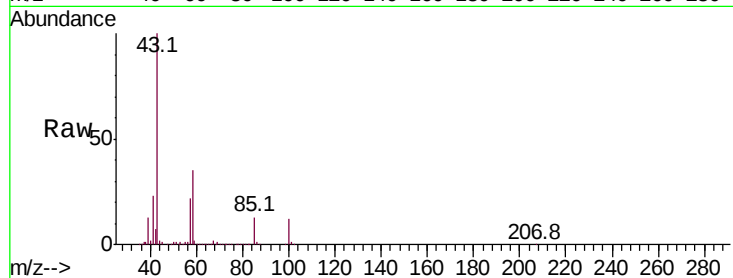
58 34.9 28.2 42.2

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#52

Toluene

Concen: 49.069 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011531.D

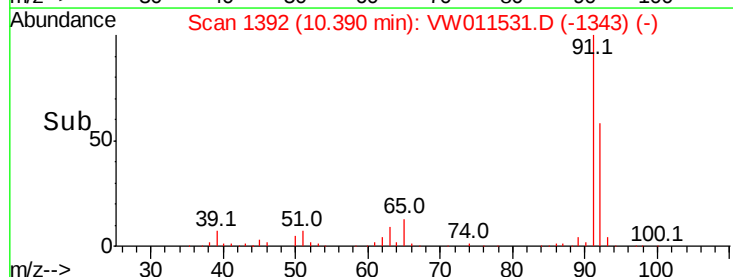
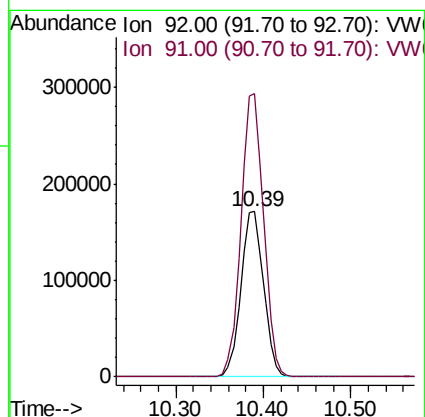
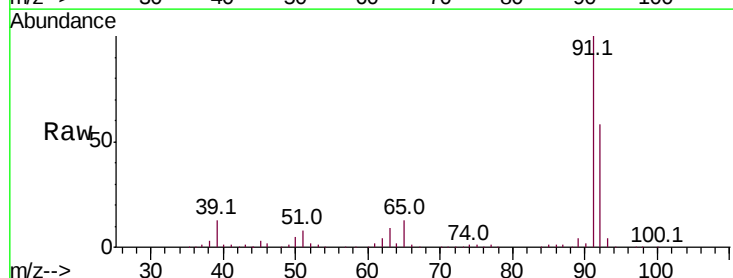
Acq: 26 Jul 2019 22:16

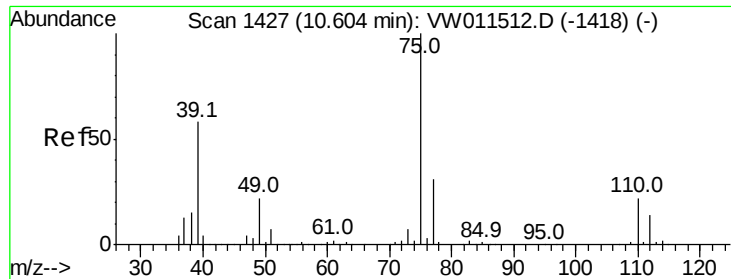
Tgt Ion: 92 Resp: 308584

Ion Ratio Lower Upper

92 100

91 171.1 136.7 205.1





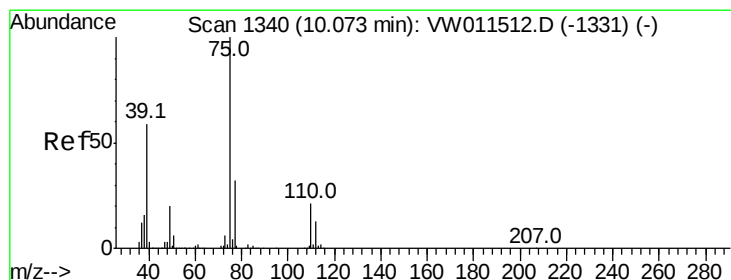
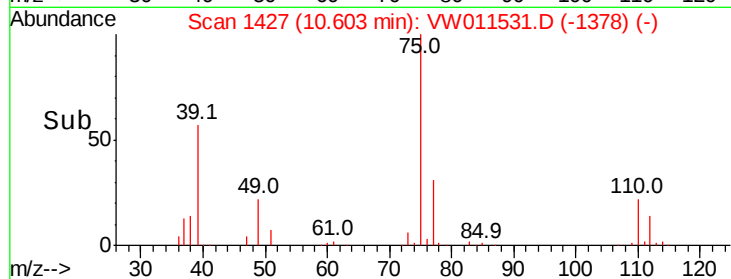
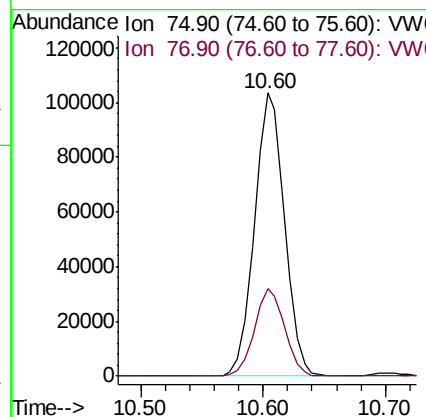
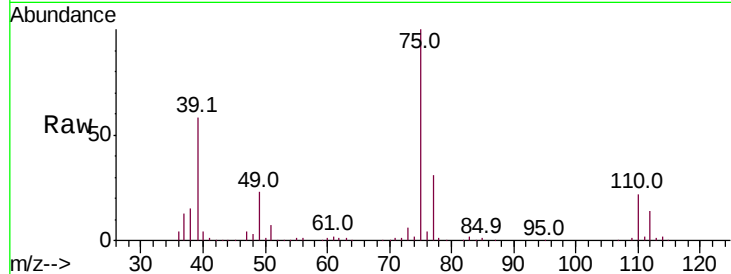
#53
t-1,3-Dichloropropene
Concen: 50.638 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 176462
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.4

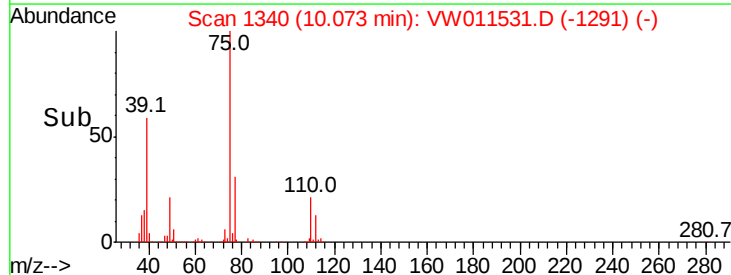
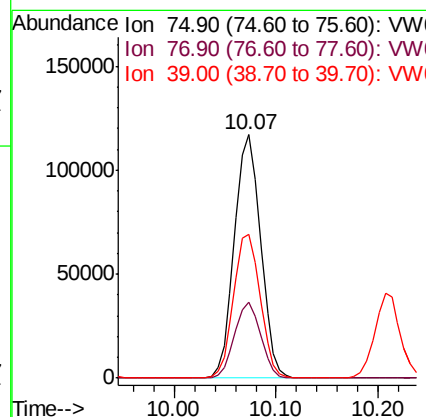
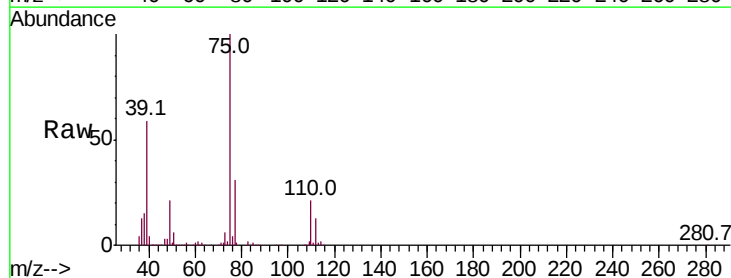
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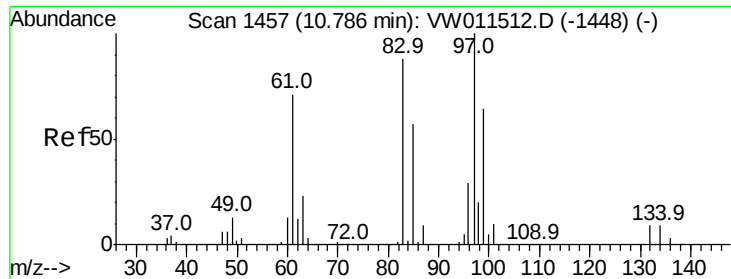
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#54
cis-1,3-Dichloropropene
Concen: 50.405 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion: 75 Resp: 208847
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4
39 58.8 47.0 70.4





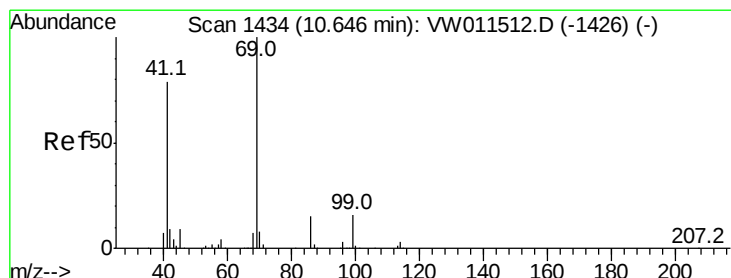
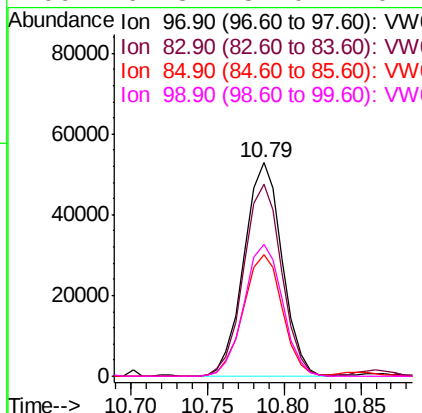
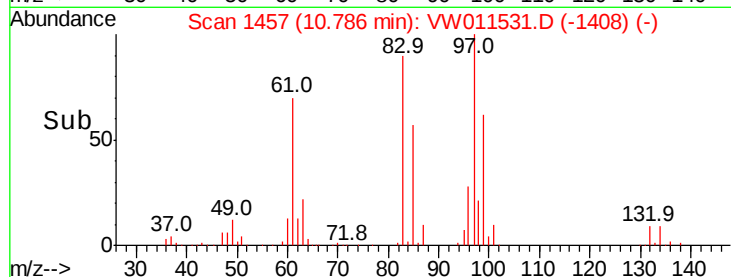
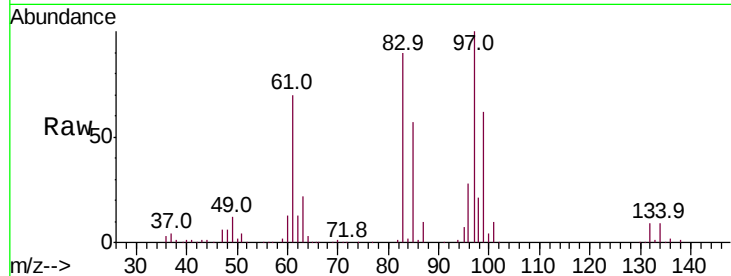
#55
 1,1,2-Trichloroethane
 Concen: 50.838 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	91732
Ion Ratio	Lower	Upper	
97	100		
83	90.1	70.5	105.7
85	57.0	45.8	68.6
99	61.8	51.0	76.4

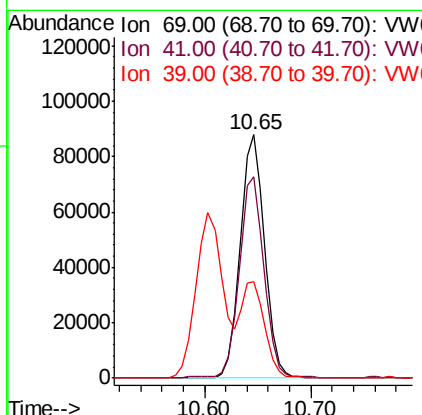
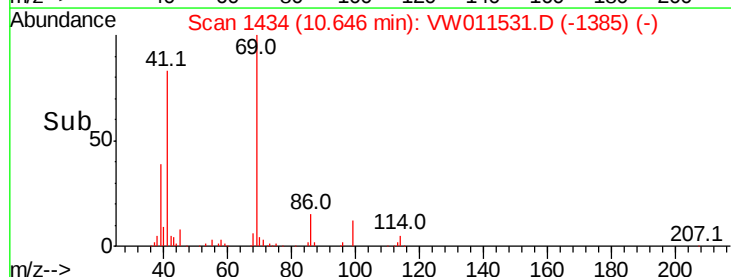
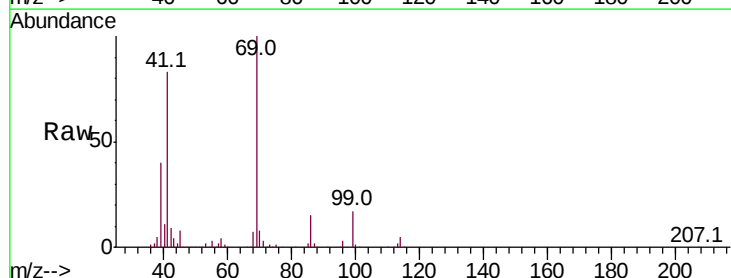
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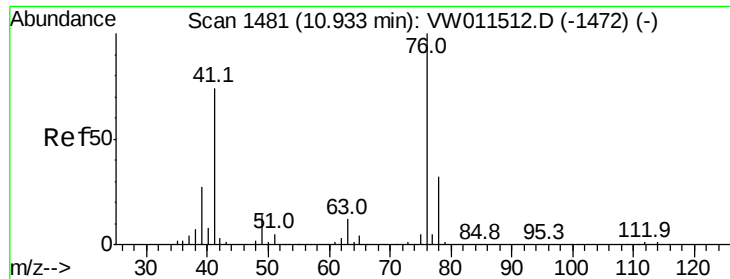
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#56
 Ethyl methacrylate
 Concen: 53.542 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Tgt Ion	69	Resp	141374
Ion Ratio	Lower	Upper	
69	100		
41	83.6	66.6	99.8
39	37.5	30.3	45.5





#57

1,3-Dichloropropane

Concen: 51.610 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 176185

Ion Ratio Lower Upper

76 100

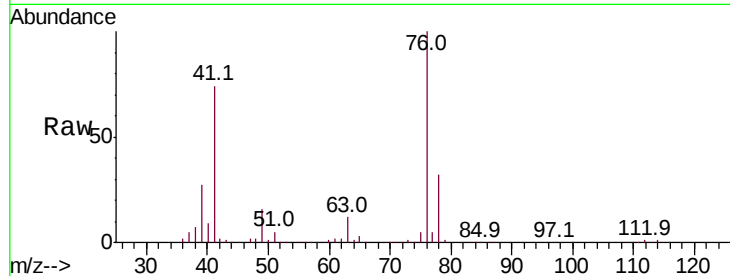
78 32.2 25.2 37.8

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

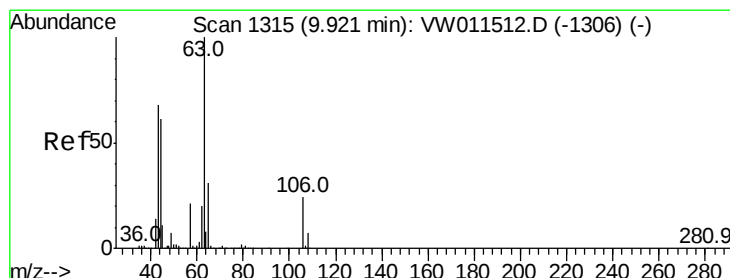
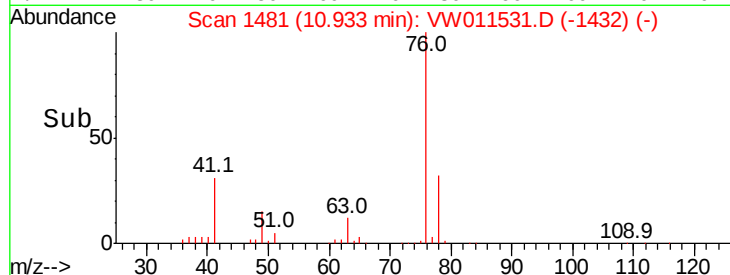
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 331.470 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011531.D

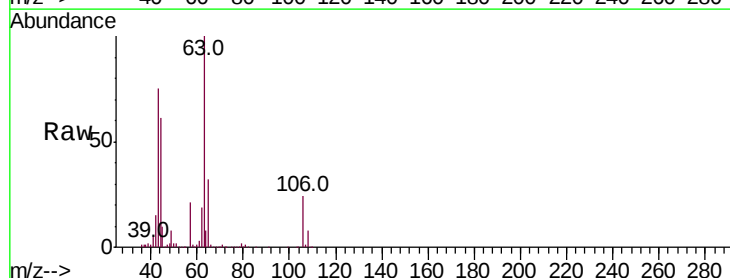
Acq: 26 Jul 2019 22:16

Tgt Ion: 63 Resp: 397385

Ion Ratio Lower Upper

63 100

106 24.7 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

250000

200000

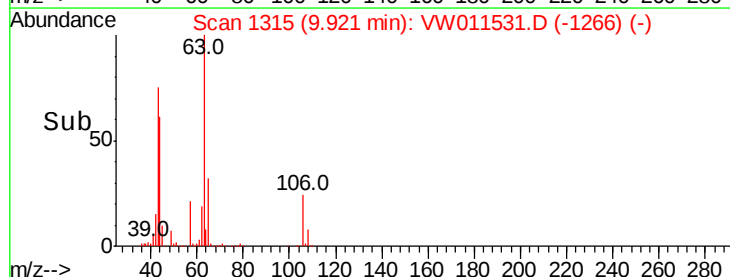
150000

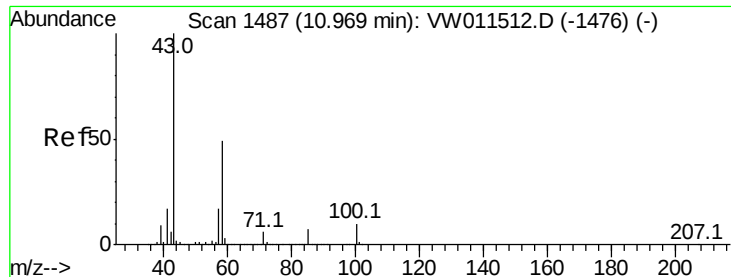
100000

50000

0

Time-->





#59

2-Hexanone

Concen: 259.446 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 374811

Ion Ratio Lower Upper

43 100

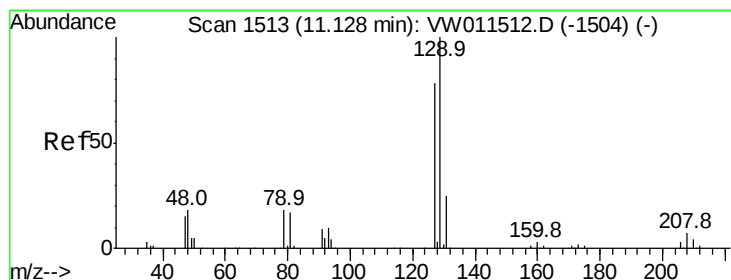
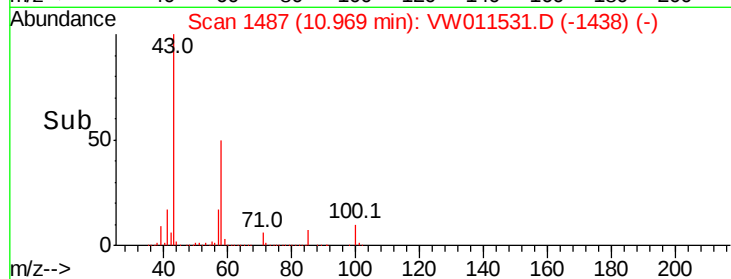
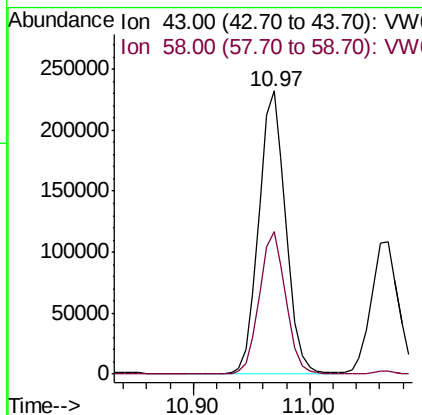
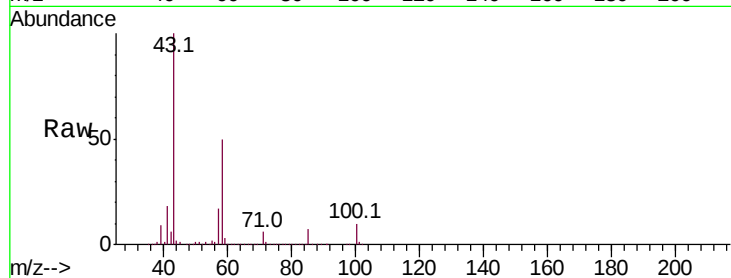
58 49.2 24.3 72.9

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#60

Dibromochloromethane

Concen: 50.893 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011531.D

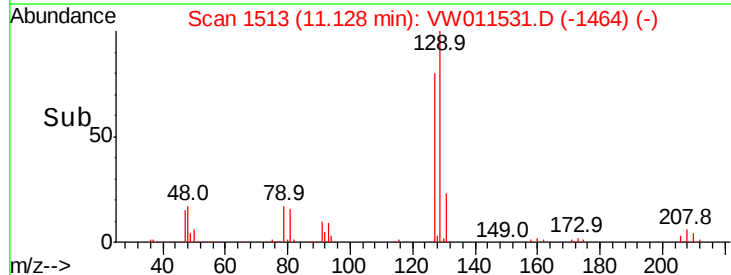
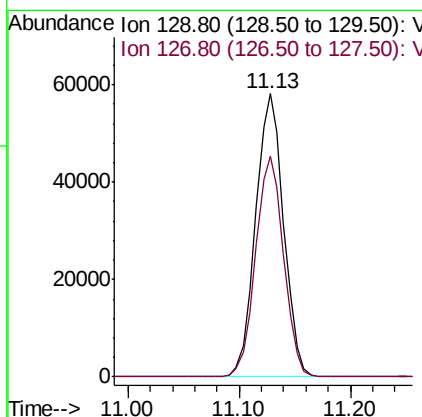
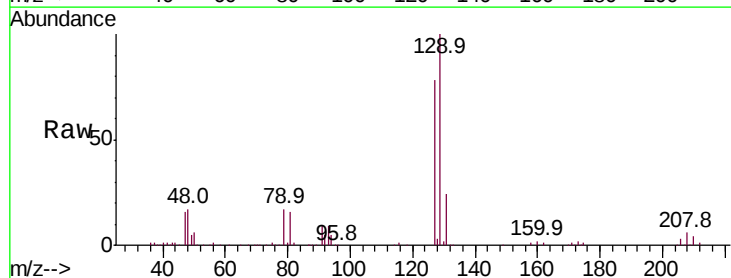
Acq: 26 Jul 2019 22:16

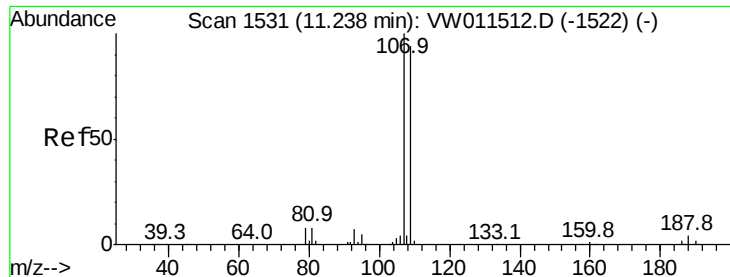
Tgt Ion: 129 Resp: 101935

Ion Ratio Lower Upper

129 100

127 78.1 38.9 116.7





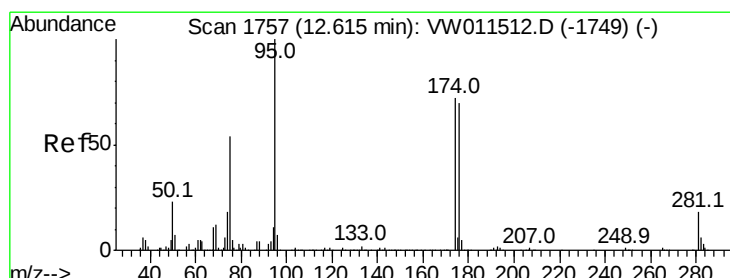
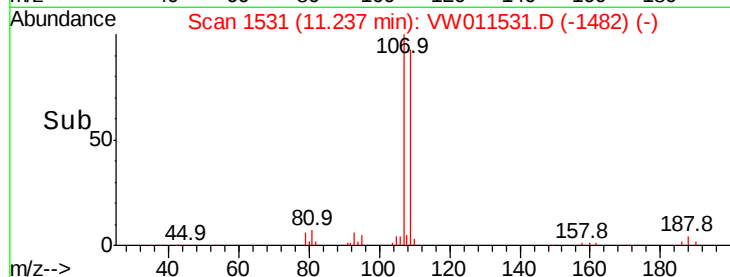
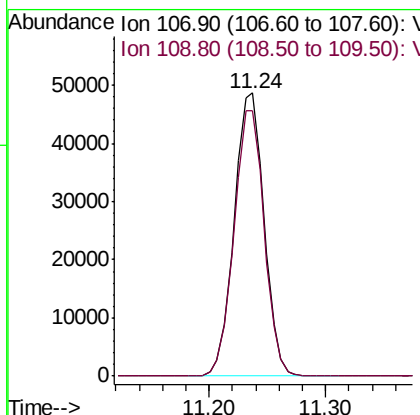
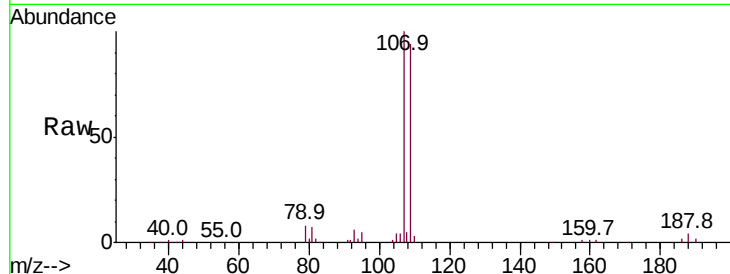
#61
 1,2-Dibromoethane
 Concen: 51.033 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 87142
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.0 112.6

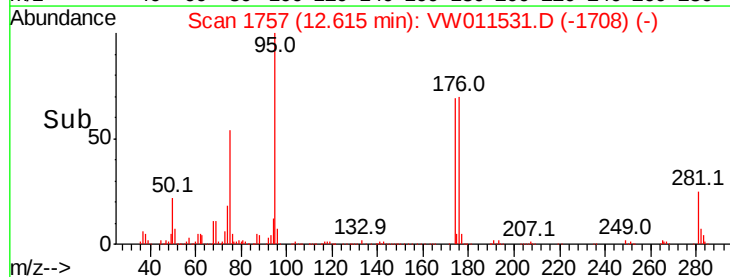
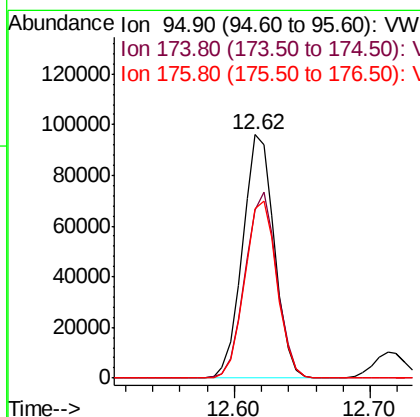
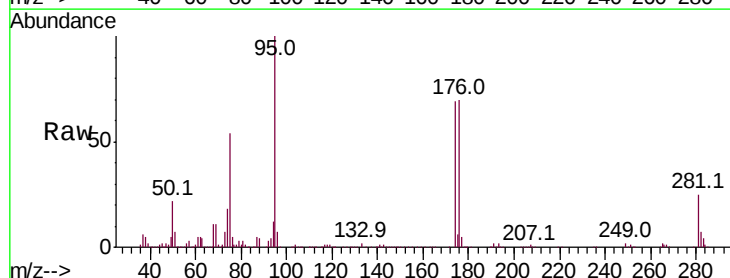
Manual Integrations
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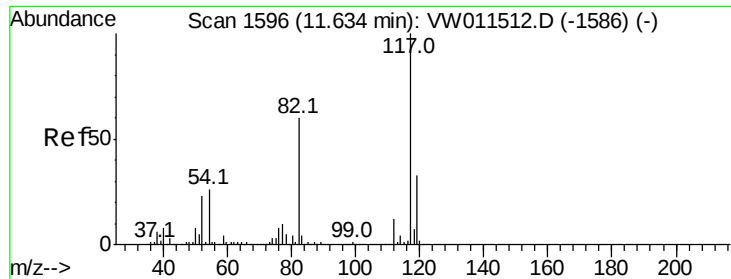
MMDadoda
 7/29/2019 9:19:16 AM



#62
 4-Bromofluorobenzene
 Concen: 53.429 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Tgt Ion: 95 Resp: 156437
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 150.2
 176 74.3 0.0 144.4





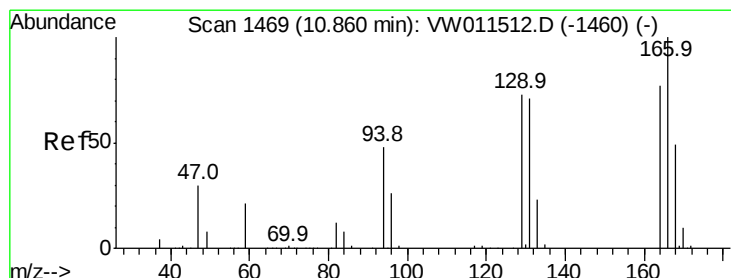
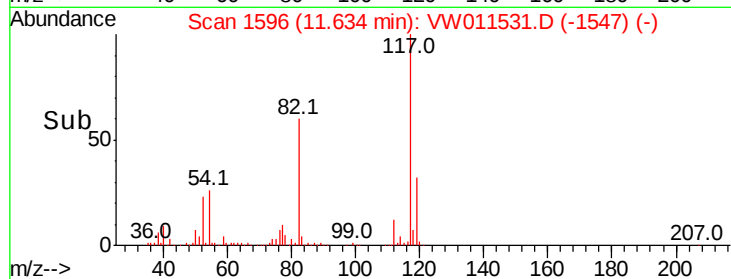
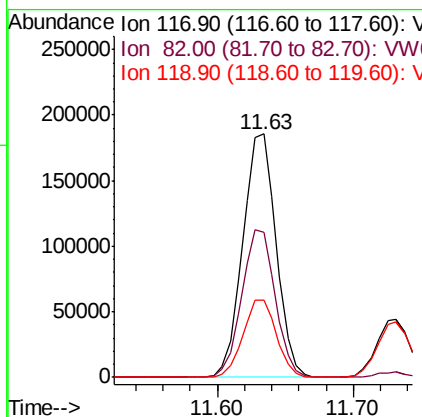
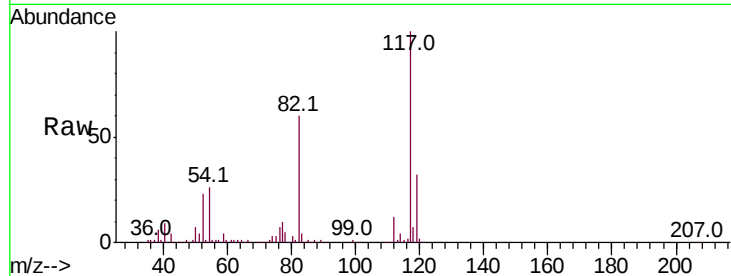
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	117	Resp:	318963
Ion Ratio	Lower	Upper	
117	100		
82	59.6	47.9	71.9
119	31.8	26.2	39.2

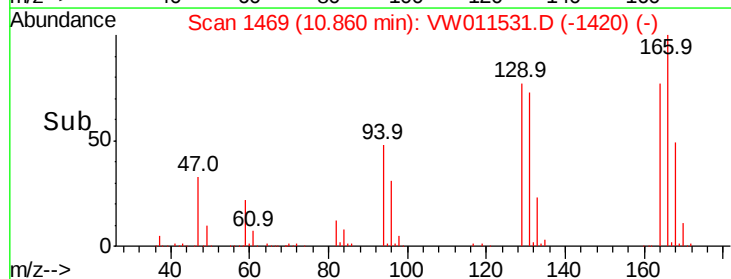
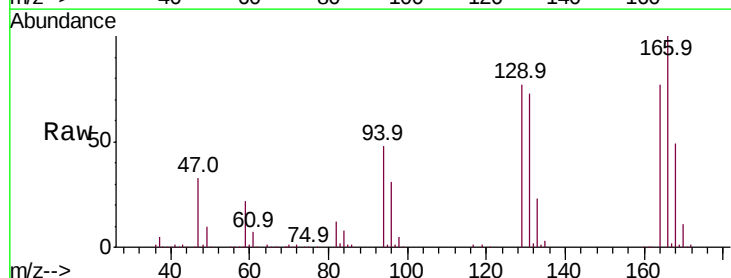
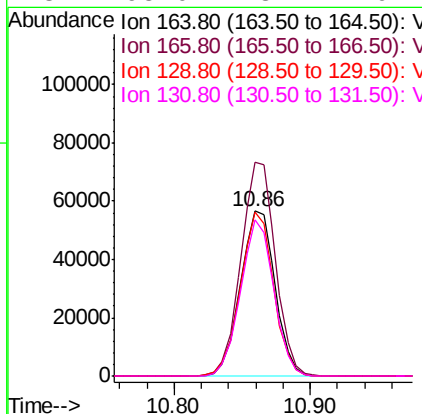
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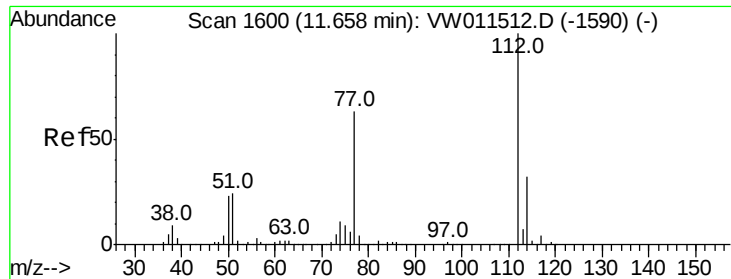
MMDadoda
7/29/2019 9:19:16 AM



#64
Tetrachloroethene
Concen: 48.196 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion:	164	Resp:	100093
Ion Ratio	Lower	Upper	
164	100		
166	129.6	103.5	155.3
129	99.7	75.2	112.8
131	95.0	73.4	110.2





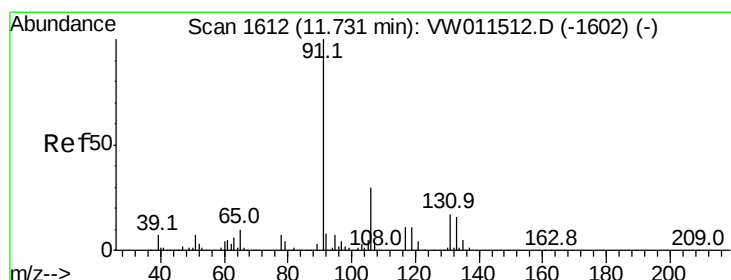
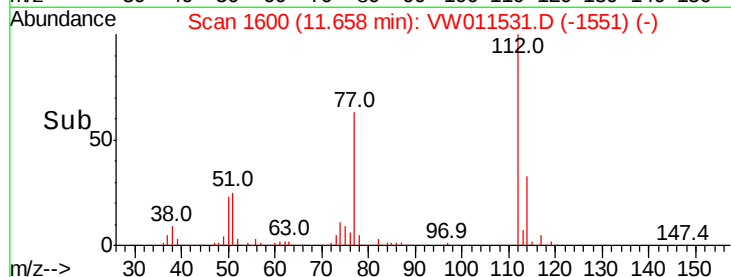
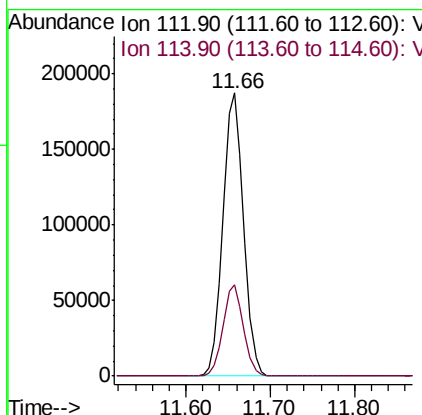
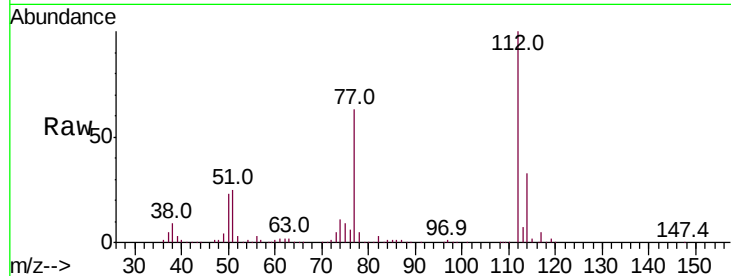
#65
Chlorobenzene
Concen: 49.241 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 315763
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4

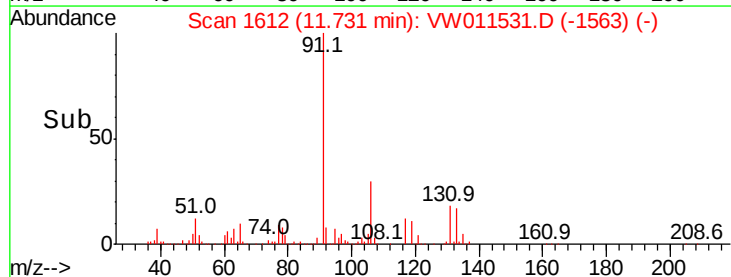
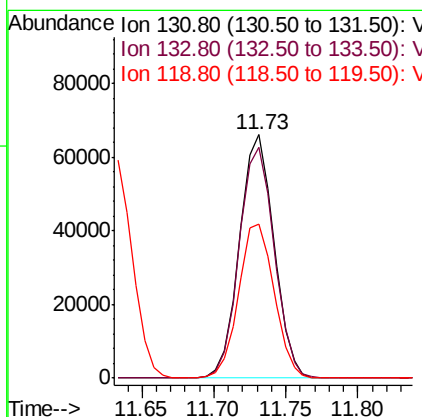
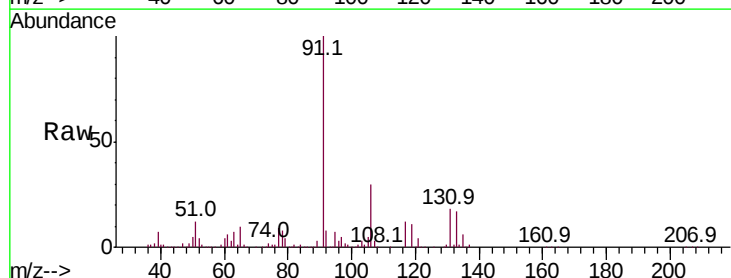
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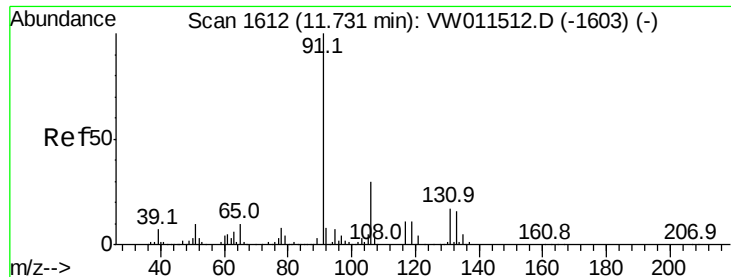
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.222 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion:131 Resp: 109946
Ion Ratio Lower Upper
131 100
133 96.6 47.4 142.2
119 65.4 32.3 96.9





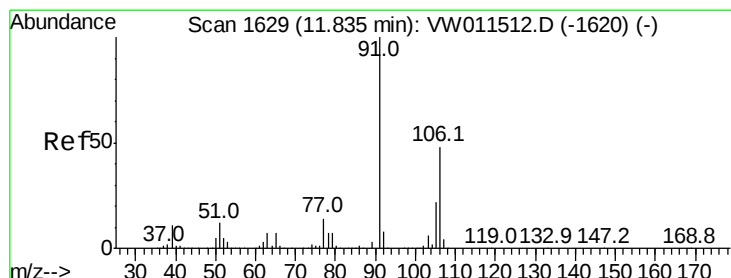
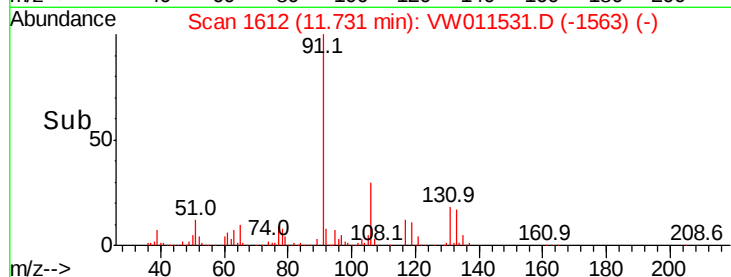
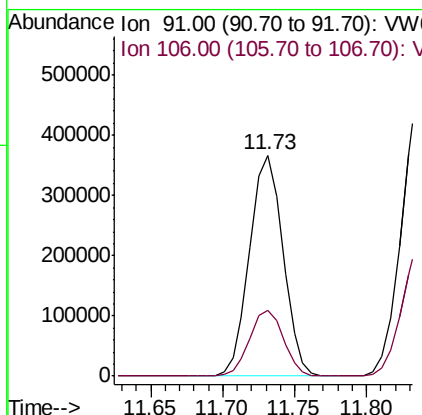
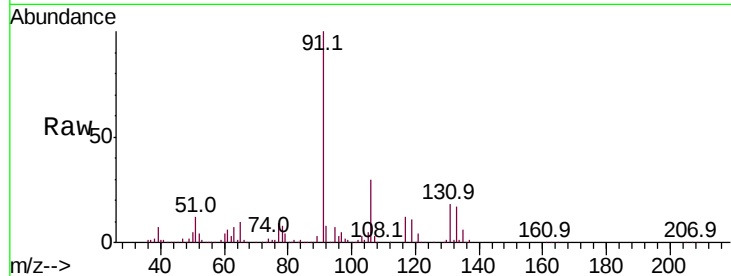
#67
Ethyl Benzene
Concen: 48.325 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 590196
Ion Ratio Lower Upper
91 100
106 29.9 23.8 35.6

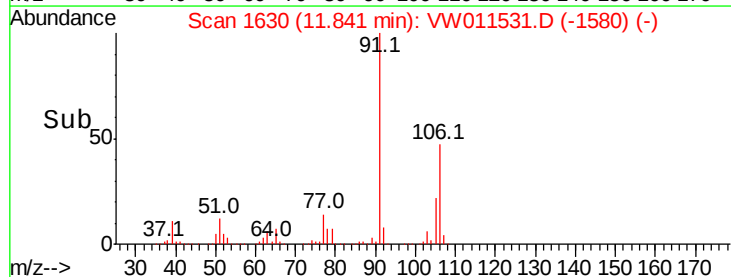
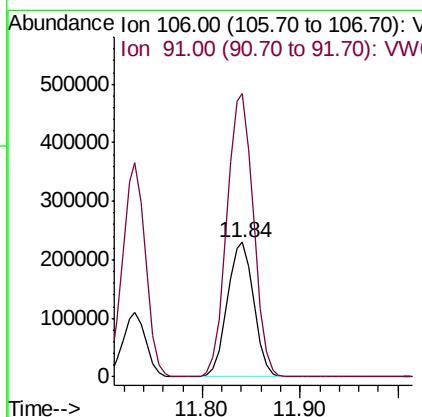
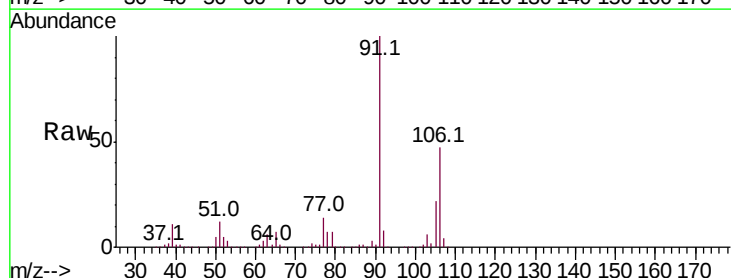
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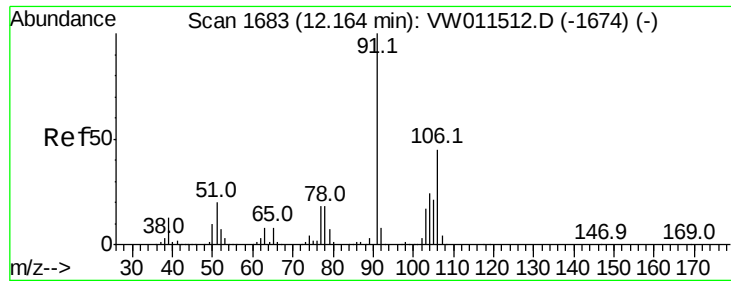
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#68
m/p-Xylenes
Concen: 96.610 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion: 106 Resp: 429099
Ion Ratio Lower Upper
106 100
91 211.7 168.2 252.2





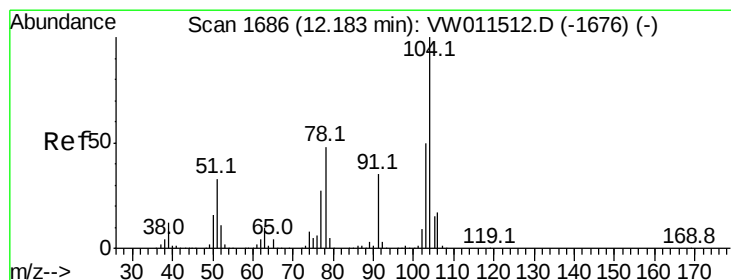
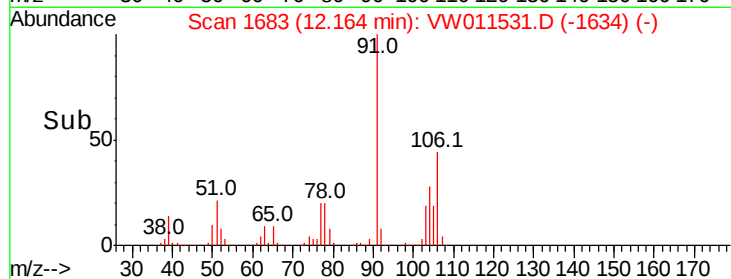
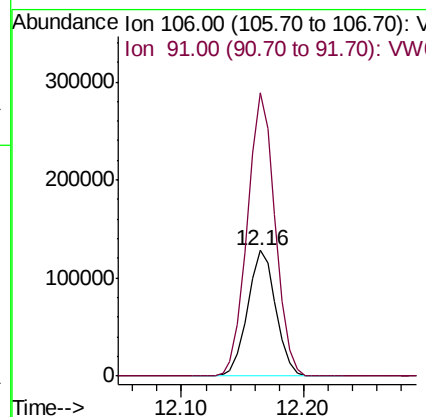
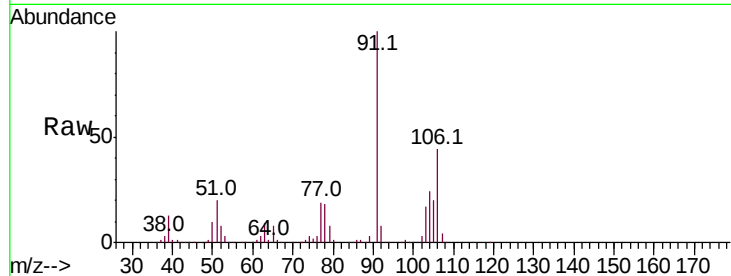
#69
o-Xylene
Concen: 49.340 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.2	110.5	331.5

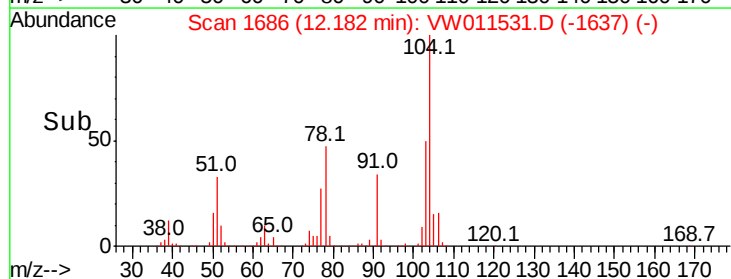
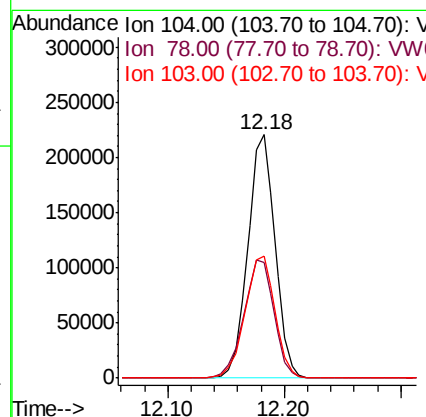
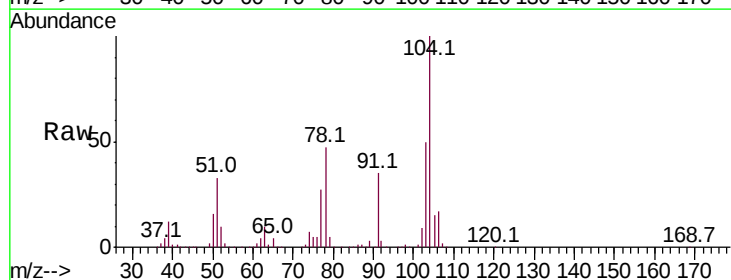
Manual Integrations
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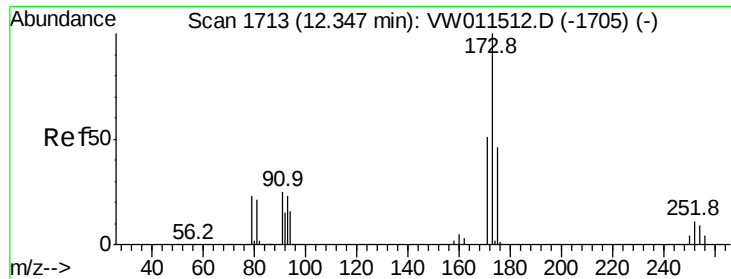
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#70
Styrene
Concen: 50.400 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.7	43.4	65.0
103	55.0	43.9	65.9





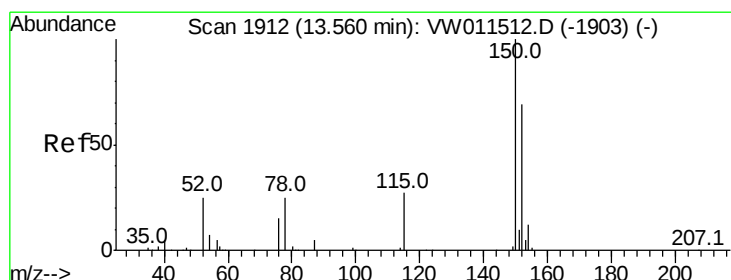
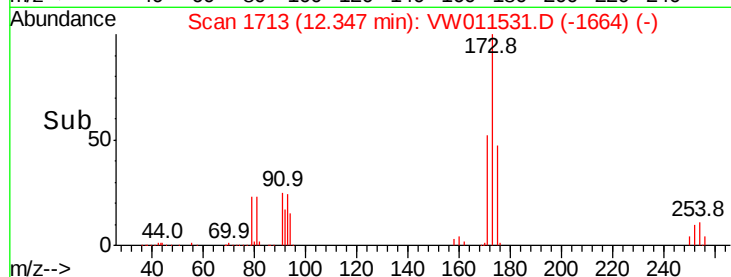
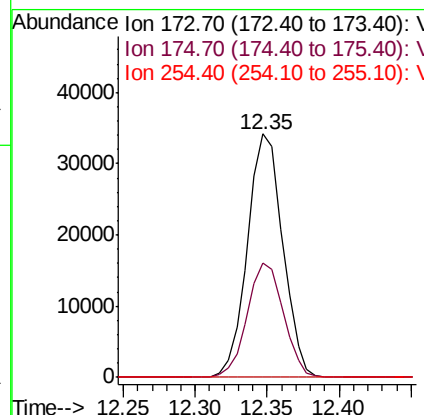
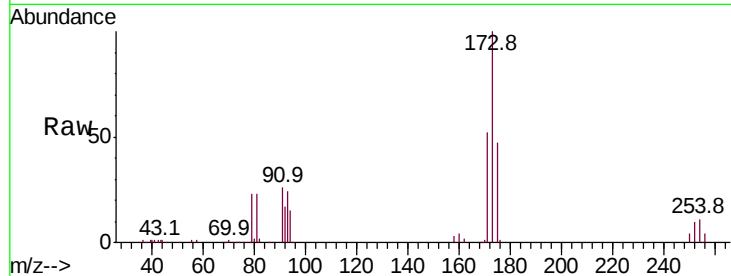
#71
Bromoform
Concen: 50.888 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.6	71.0
254	0.1	0.1	0.1

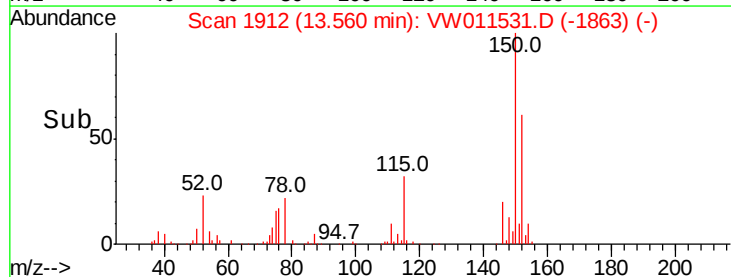
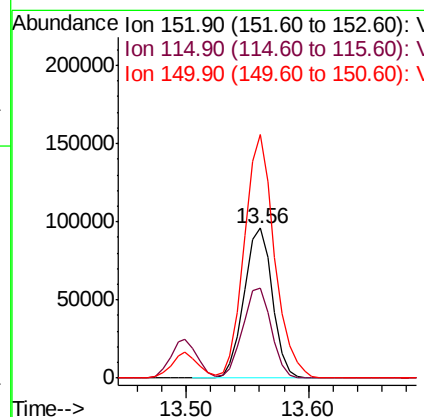
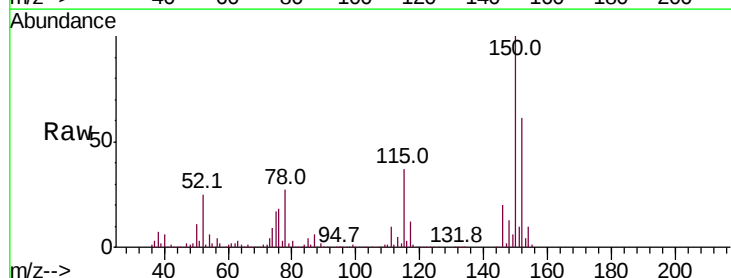
Manual Integrations
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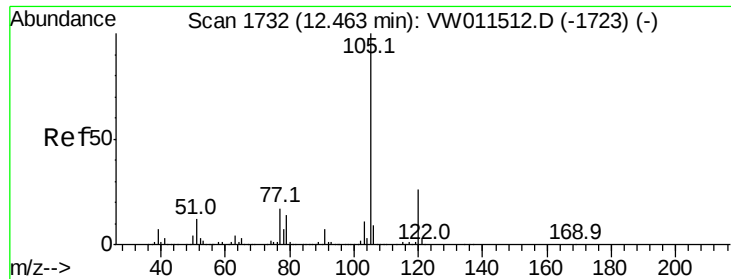
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.5	91.5
150	172.7	0.0	352.6





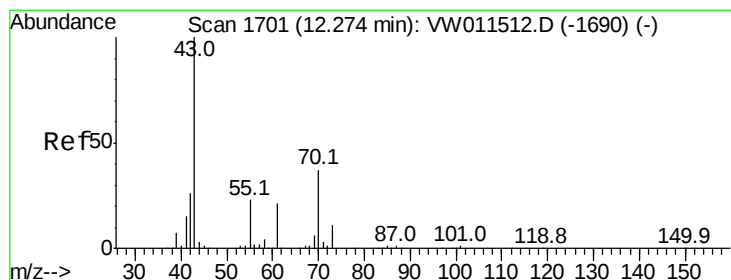
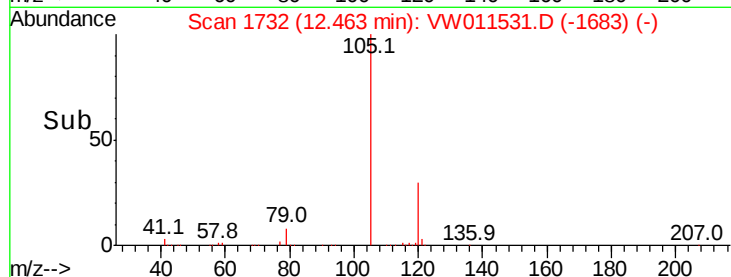
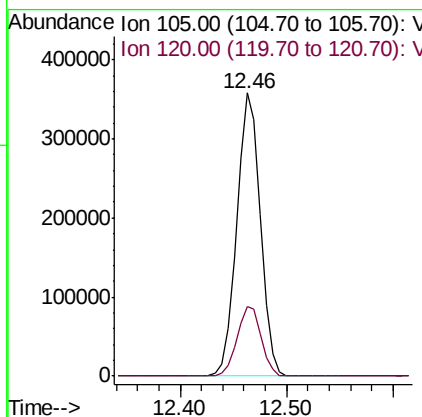
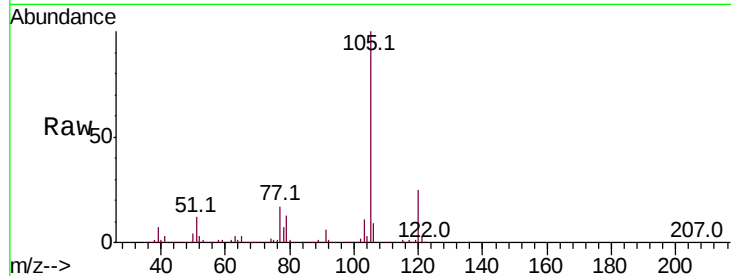
#73
Isopropylbenzene
Concen: 48.385 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.9	38.7

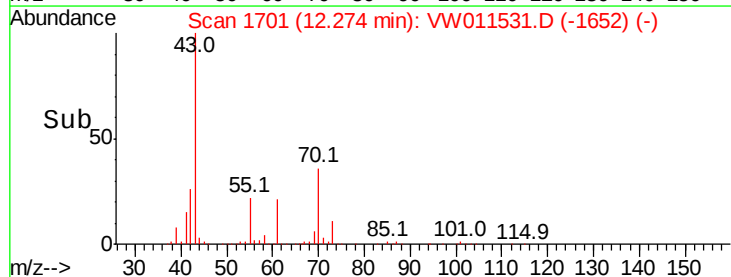
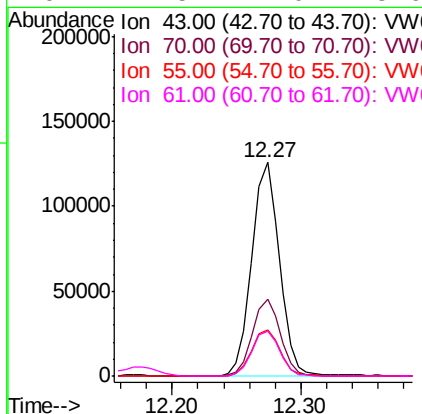
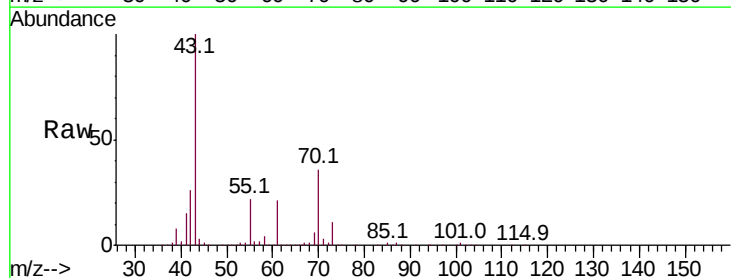
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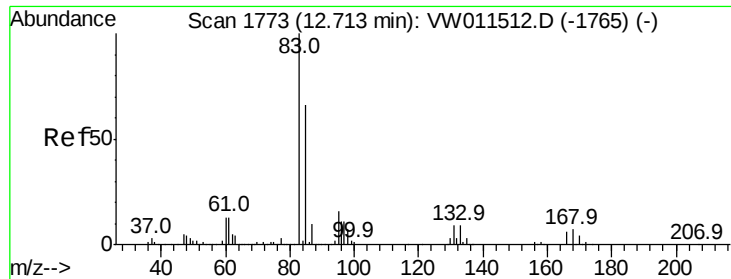
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#74
N-ethyl acetate
Concen: 51.806 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.3	28.6	43.0
55	22.8	17.8	26.8
61	21.5	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.914 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

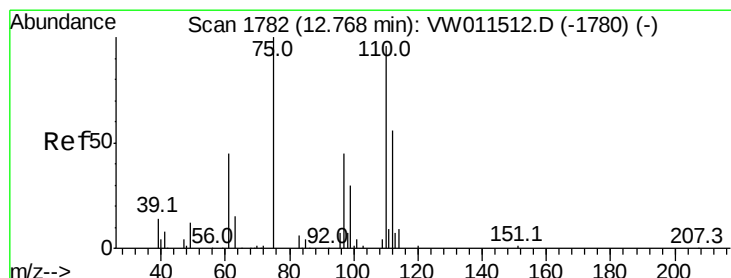
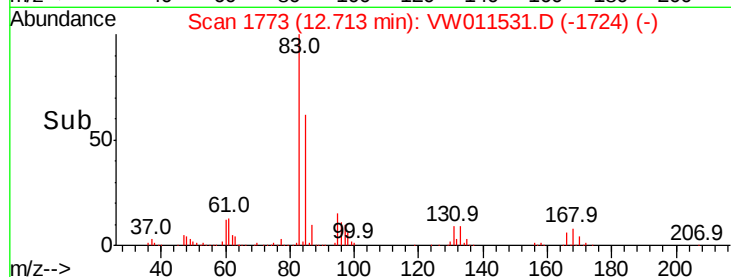
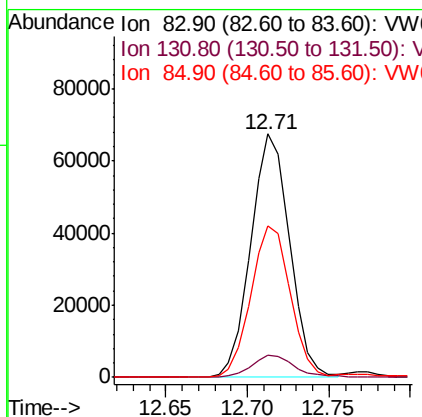
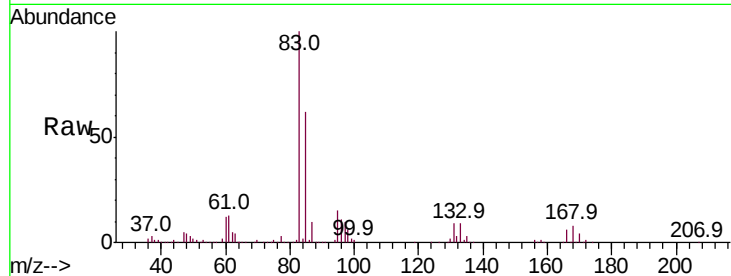
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	111904
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	63.2	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 47.515 ug/l m

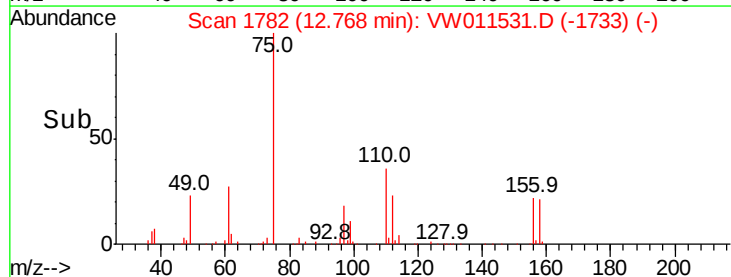
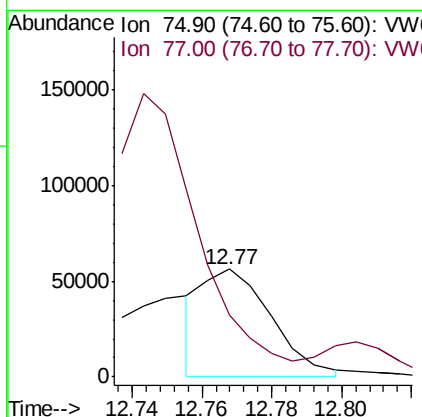
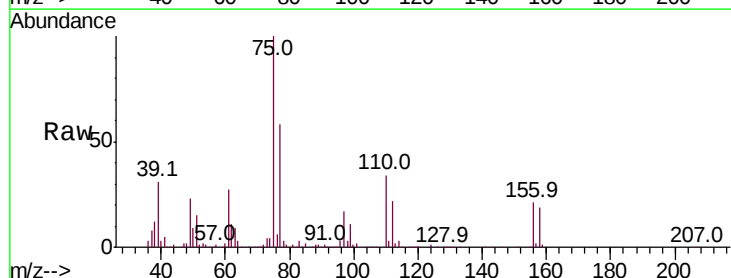
RT: 12.77 min Scan# 1782

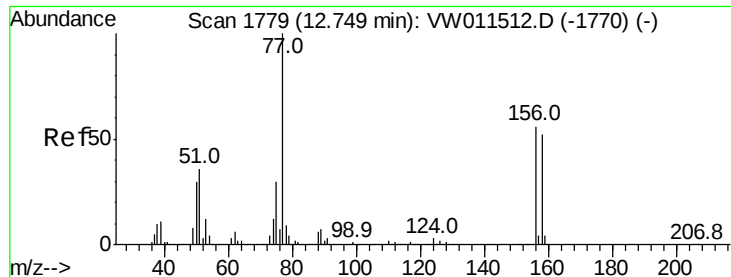
Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Tgt Ion:	75	Resp:	77229
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.123 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

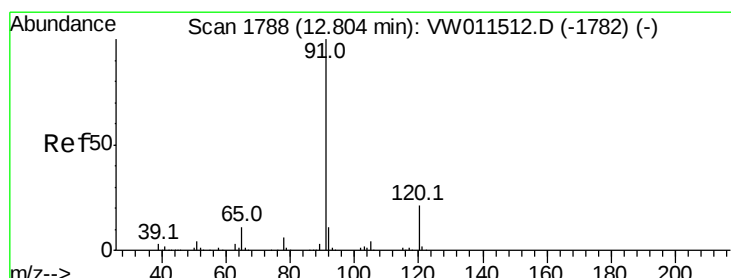
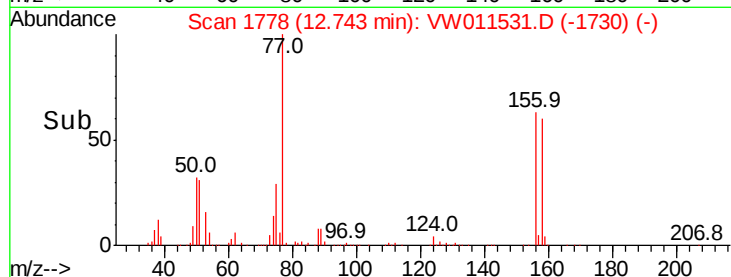
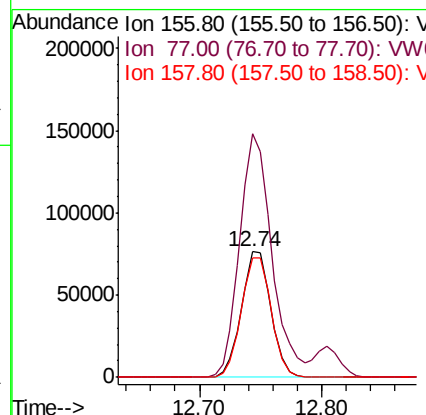
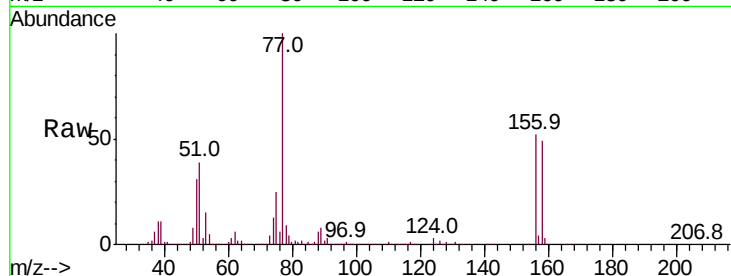
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	126959
Ion Ratio	Lower	Upper	
156	100		
77	213.0	106.5	319.4
158	97.0	48.0	144.2

Manual Integrations
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#78

n-propylbenzene

Concen: 48.315 ug/l

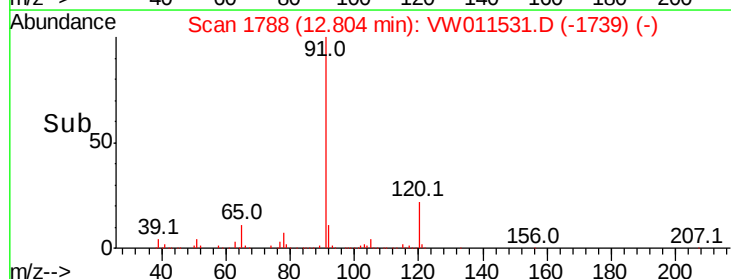
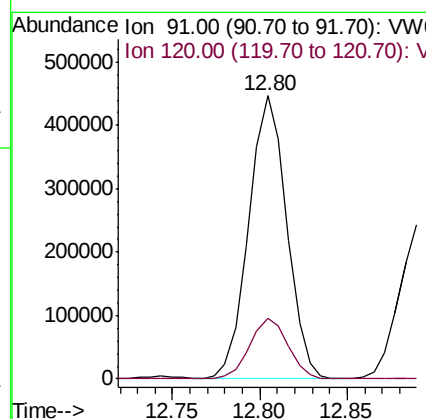
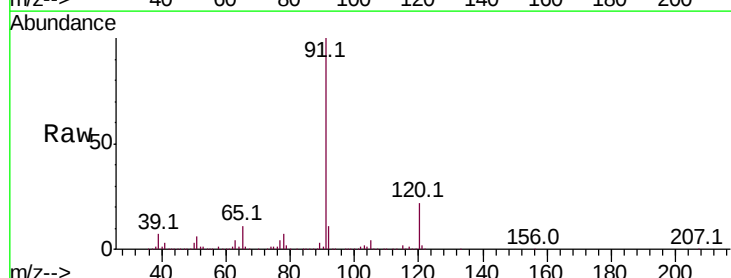
RT: 12.80 min Scan# 1788

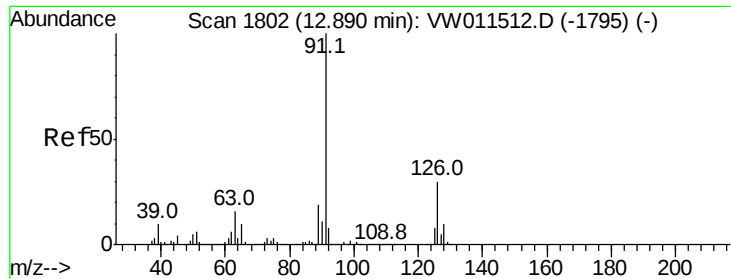
Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Tgt Ion:	91	Resp:	673826
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.9	32.7





#79

2-Chlorotoluene

Concen: 48.666 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 391010

Ion Ratio Lower Upper

91 100

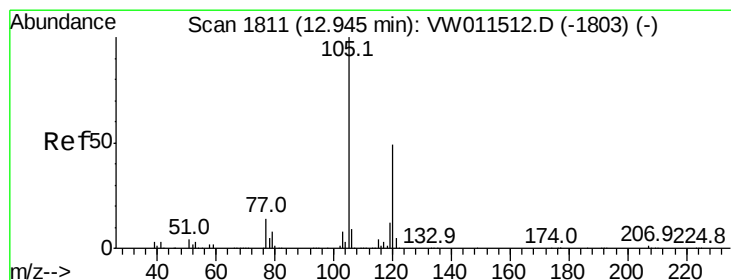
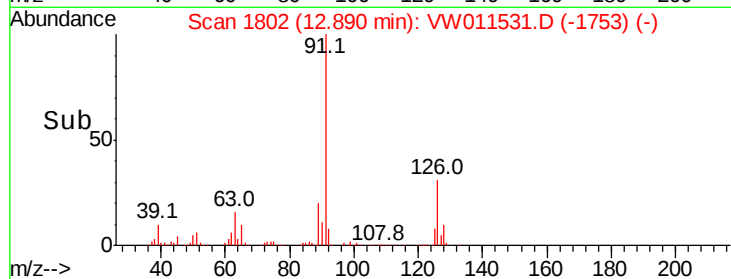
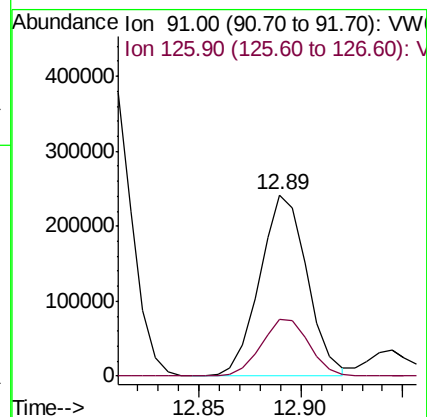
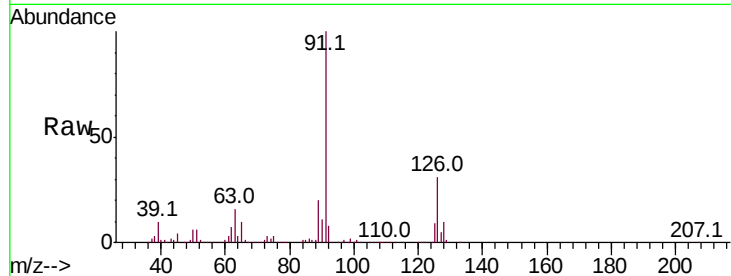
126 32.0 15.7 47.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.078 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011531.D

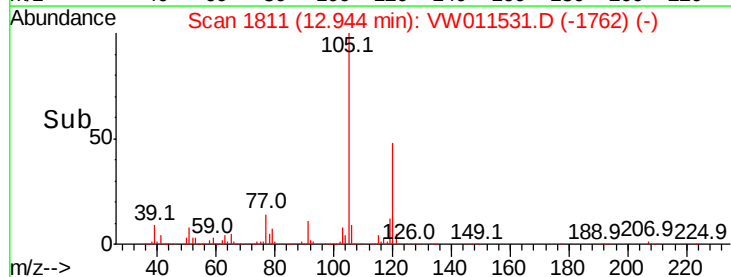
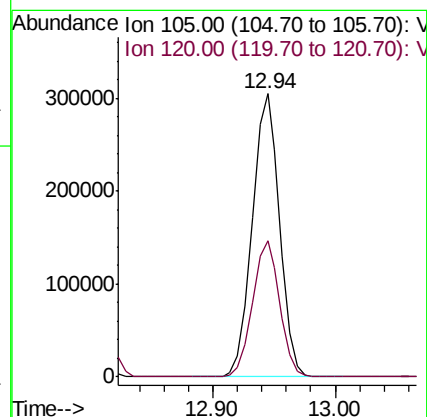
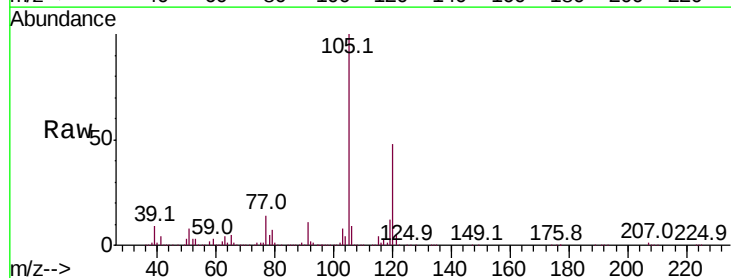
Acq: 26 Jul 2019 22:16

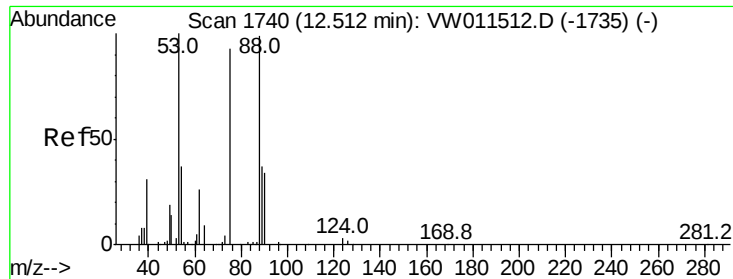
Tgt Ion:105 Resp: 471447

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 50.609 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011531.D

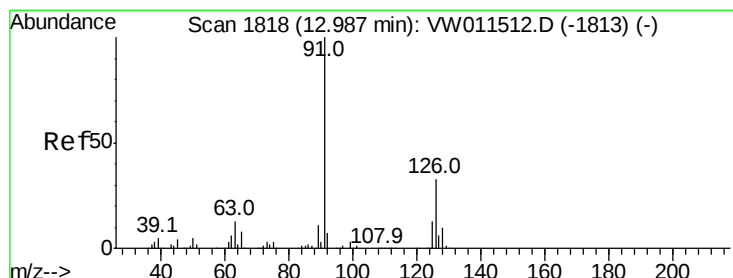
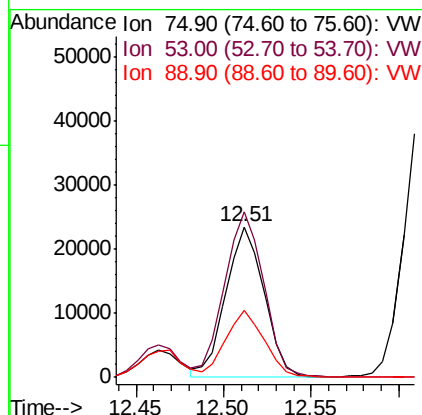
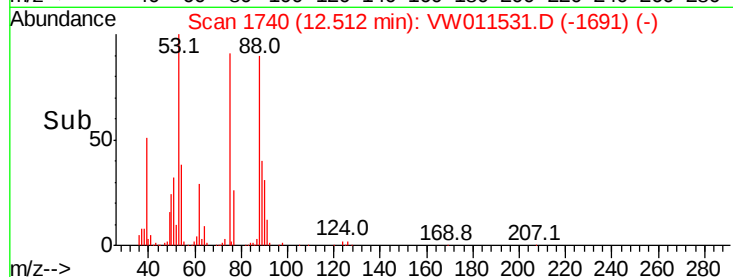
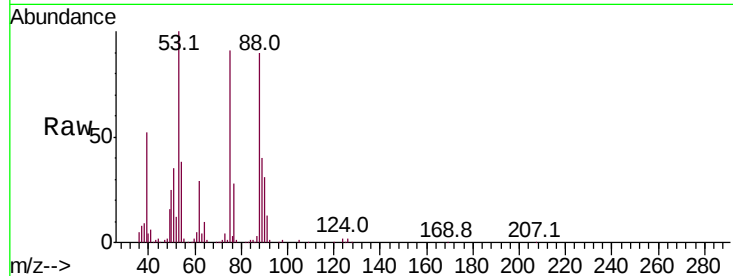
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.3	88.0	132.0
89	44.5	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.296 ug/l

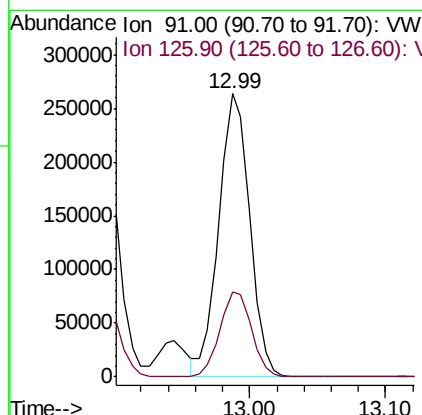
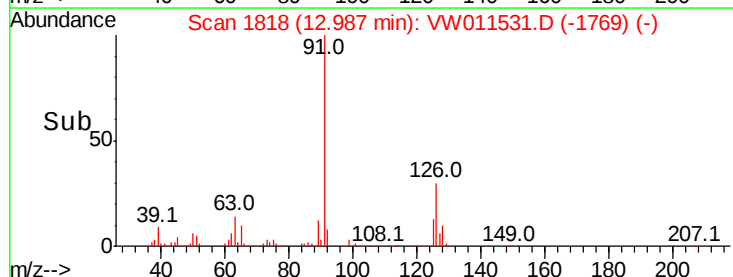
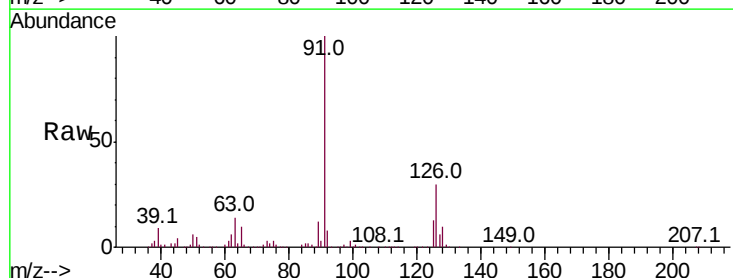
RT: 12.99 min Scan# 1818

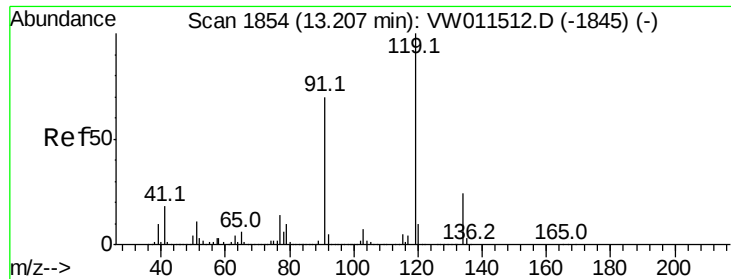
Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.6	46.8





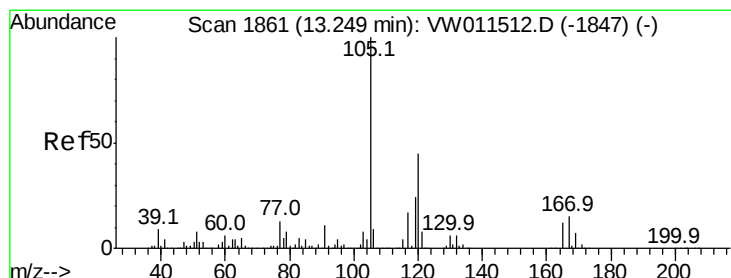
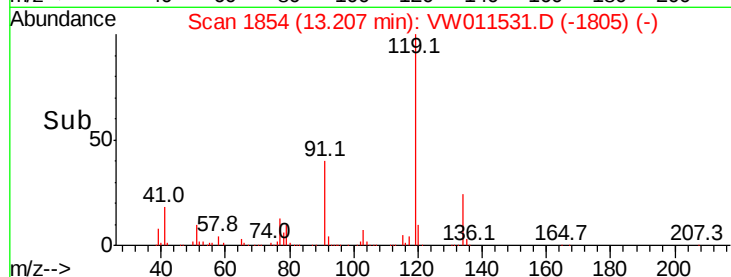
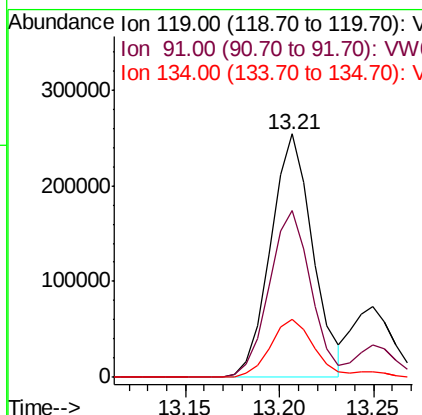
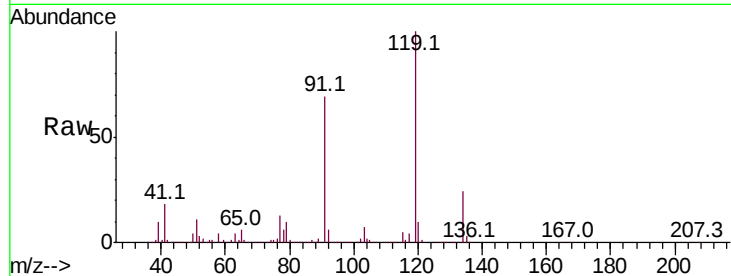
#83
 tert-Butylbenzene
 Concen: 49.022 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	393793		
91	67.9	34.5	103.6	
134	24.6	12.4	37.4	

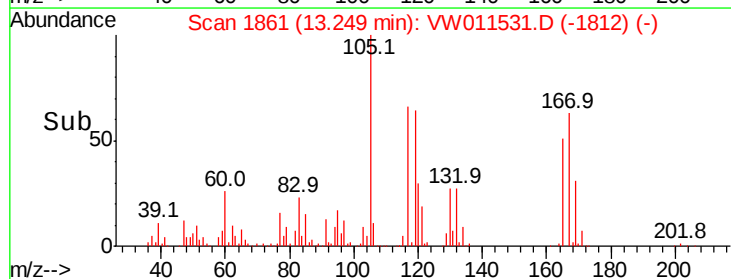
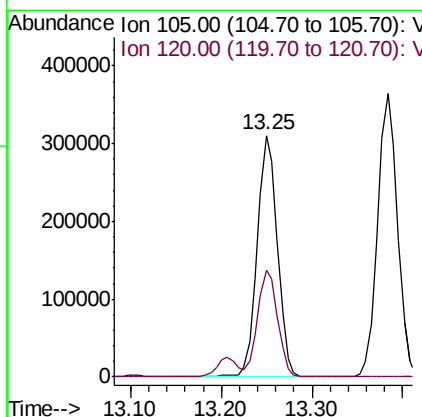
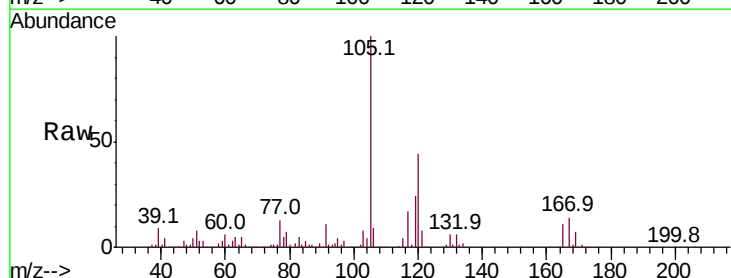
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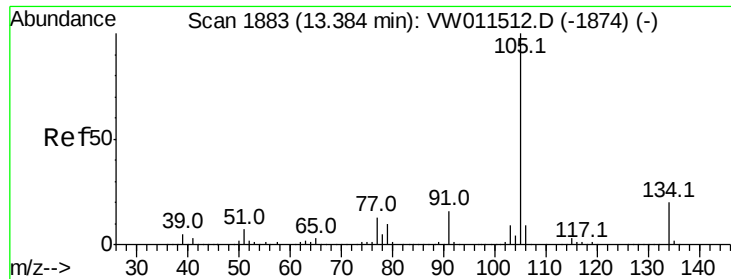
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.454 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	478556		
120	43.7	22.1	66.5	





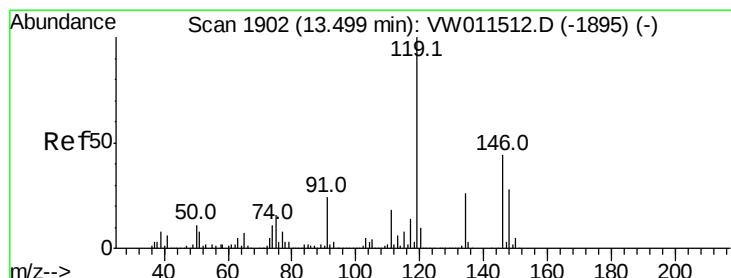
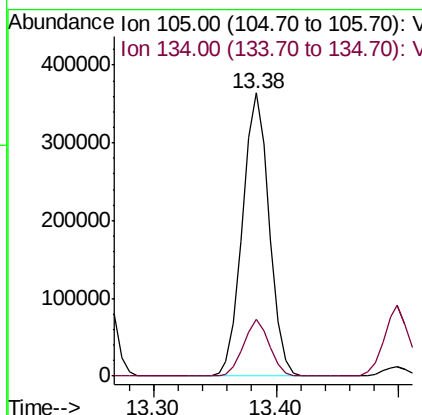
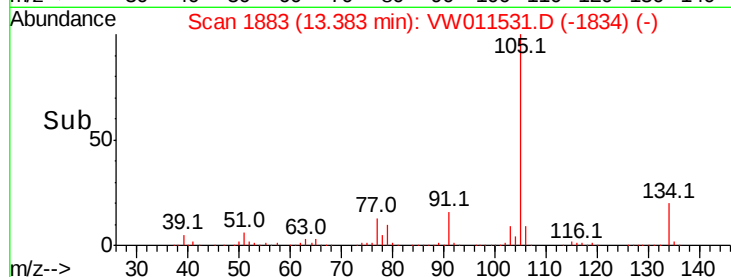
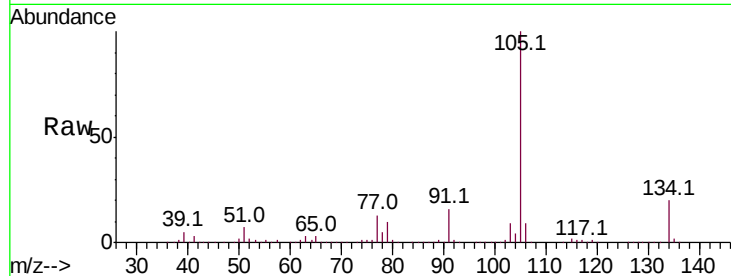
#85
 sec-Butylbenzene
 Concen: 48.071 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1

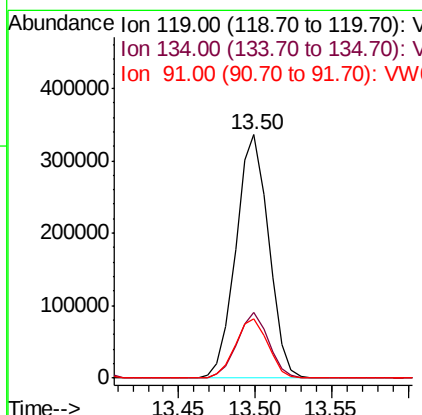
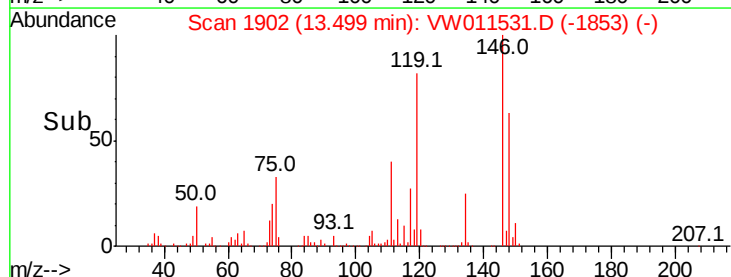
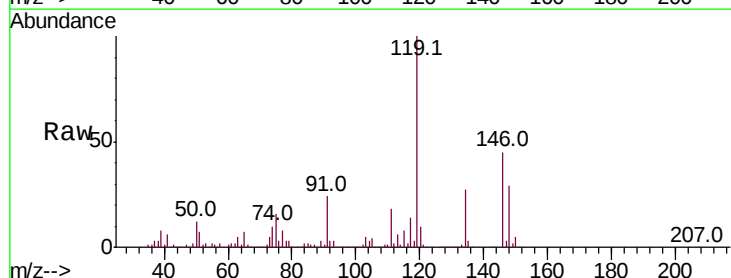
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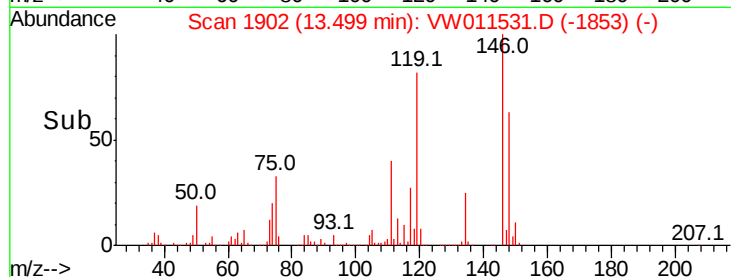
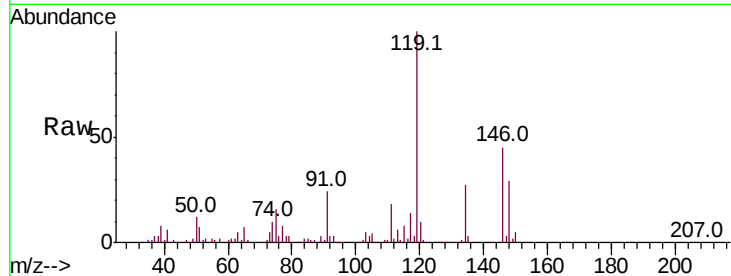
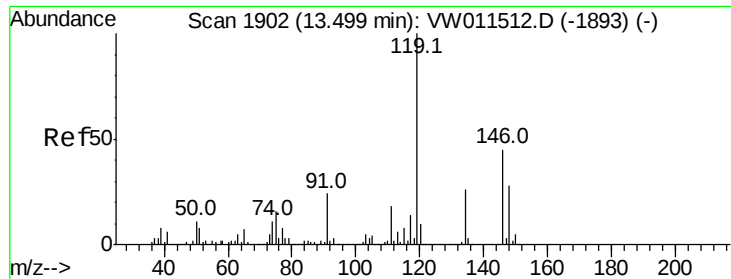
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#86
 p-Isopropyltoluene
 Concen: 47.844 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.8	38.4
91	24.5	12.1	36.3





#87

1,3-Dichlorobenzene

Concen: 48.855 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011531.D

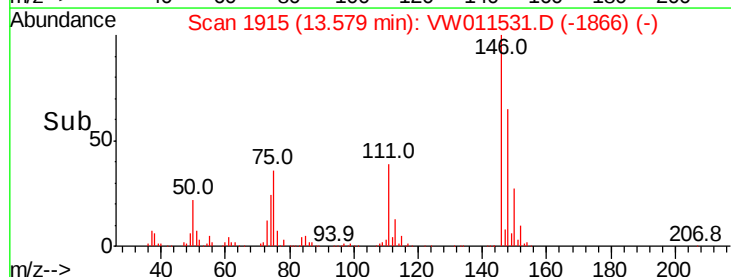
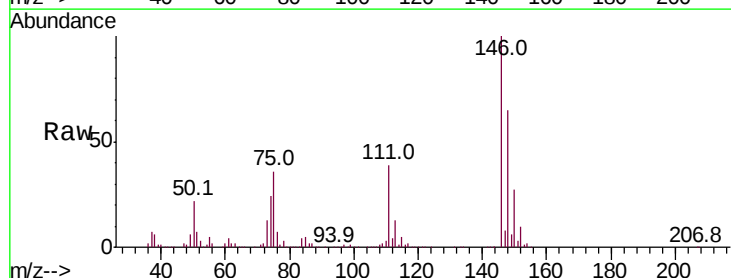
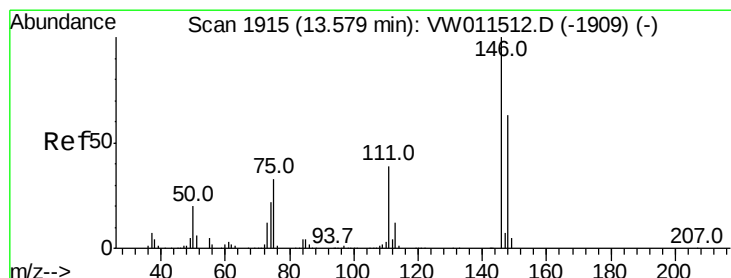
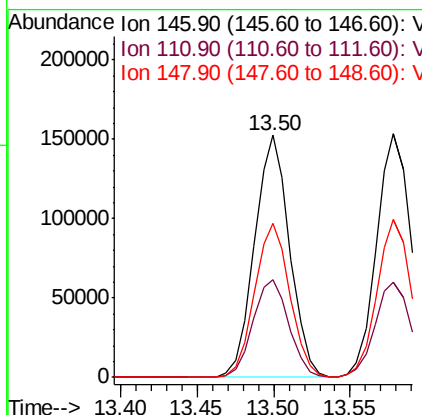
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	242641		
111	41.4	20.5	61.6	
148	63.9	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 48.989 ug/l

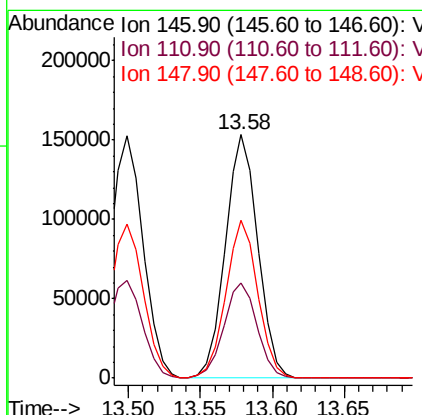
RT: 13.58 min Scan# 1915

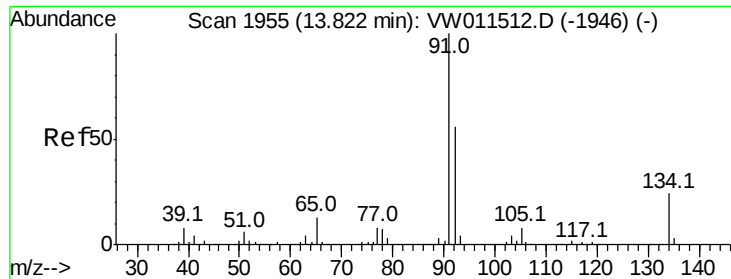
Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	242030		
111	39.9	20.1	60.2	
148	63.9	31.9	95.9	





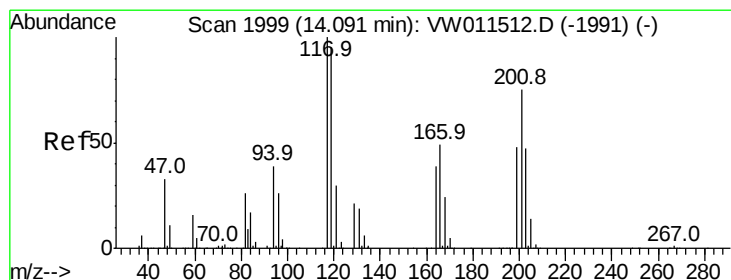
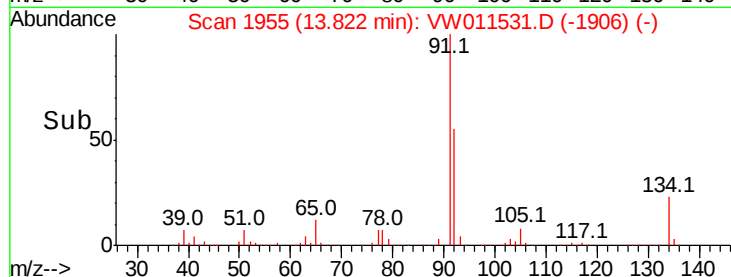
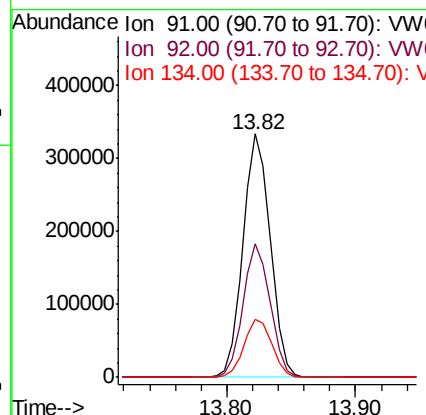
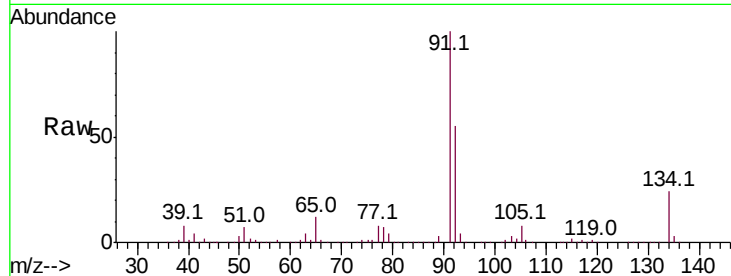
#89
n-Butylbenzene
Concen: 47.070 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.4	27.5	82.4	
134	24.4	12.2	36.6	

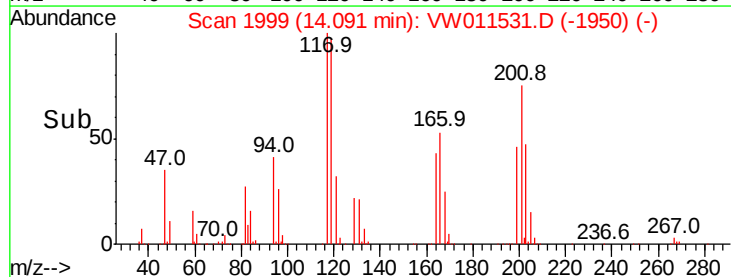
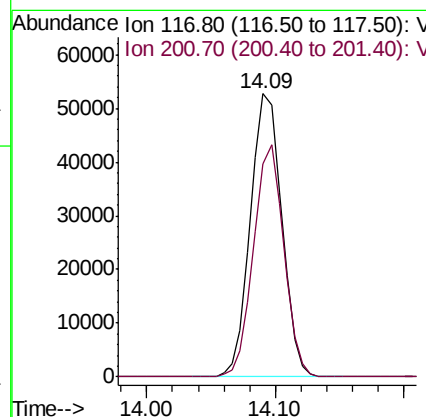
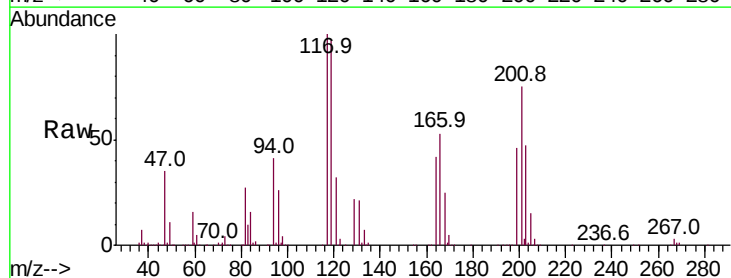
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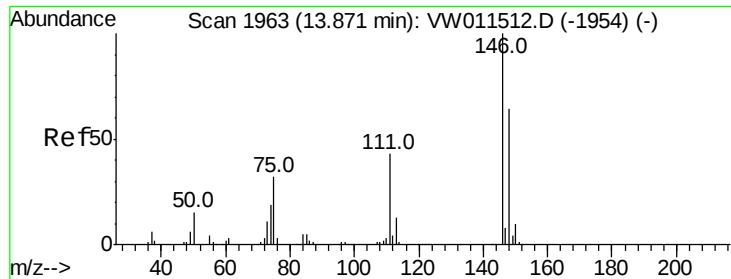
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#90
Hexachloroethane
Concen: 48.287 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011531.D
Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	78.9	39.4	118.2	





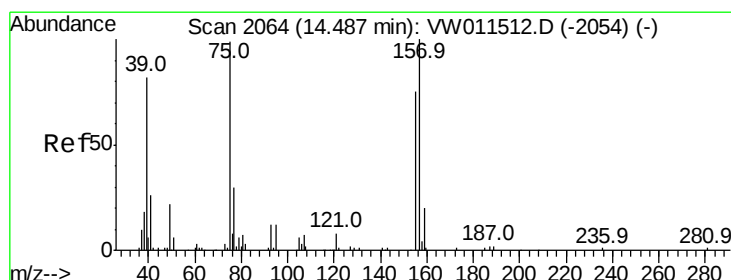
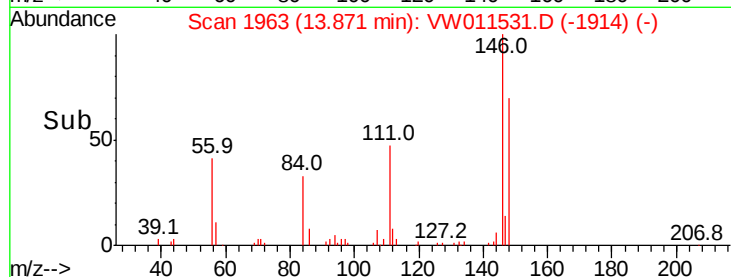
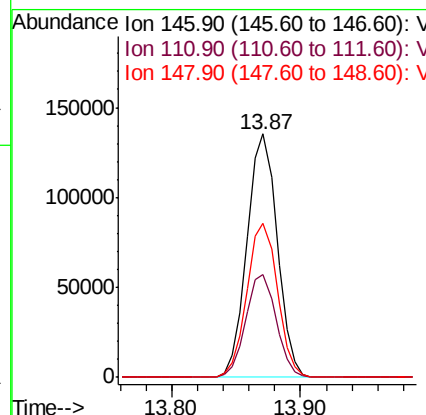
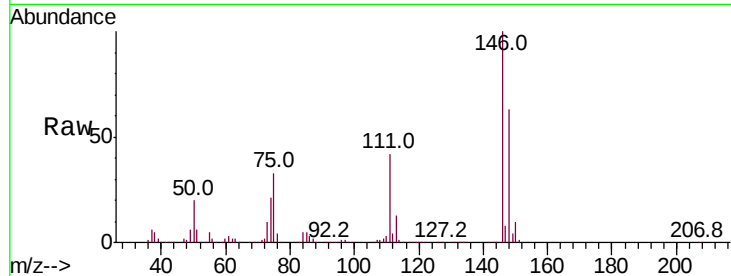
#91
 1,2-Dichlorobenzene
 Concen: 49.889 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	63.9	32.0	96.2

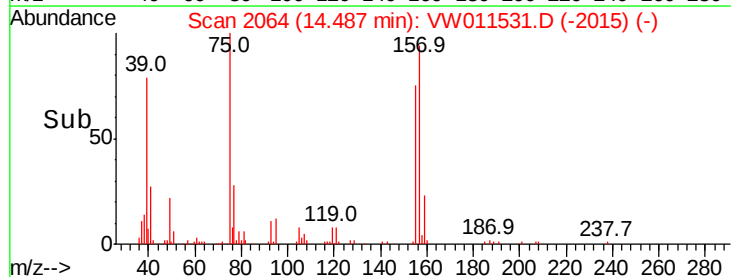
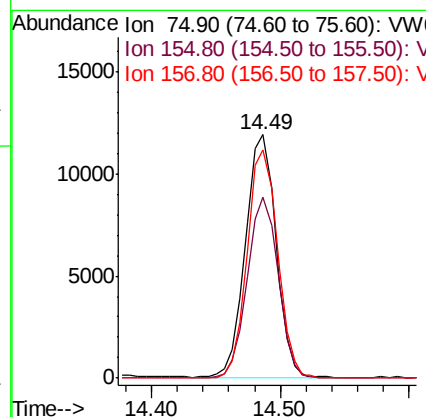
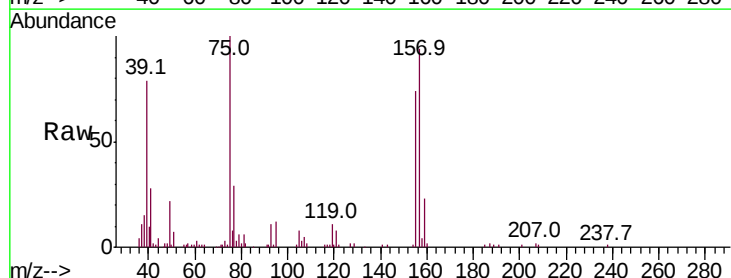
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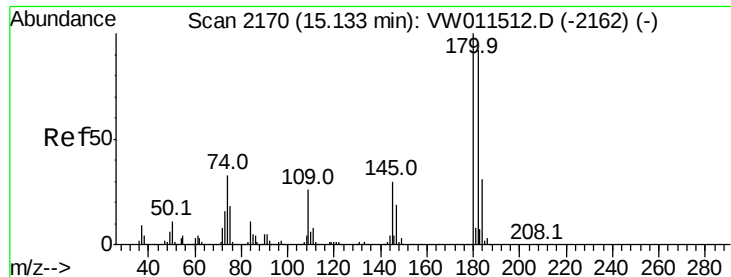
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.469 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	38.2	114.6
157	92.6	48.9	146.7





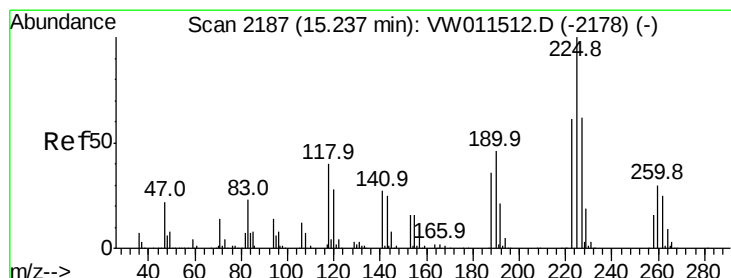
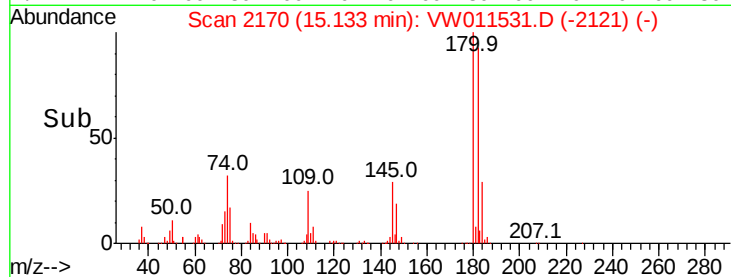
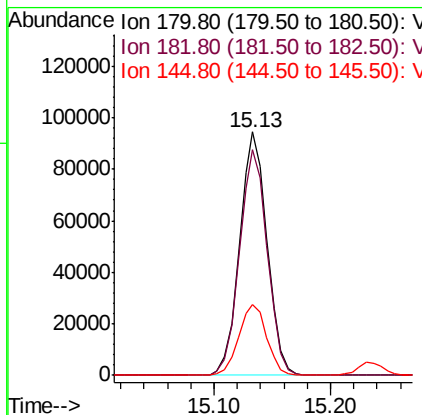
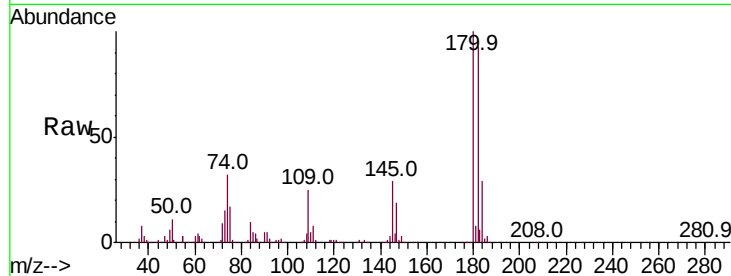
#93
 1,2,4-Trichlorobenzene
 Concen: 49.865 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.9	47.4	142.2	
145	29.8	15.4	46.1	

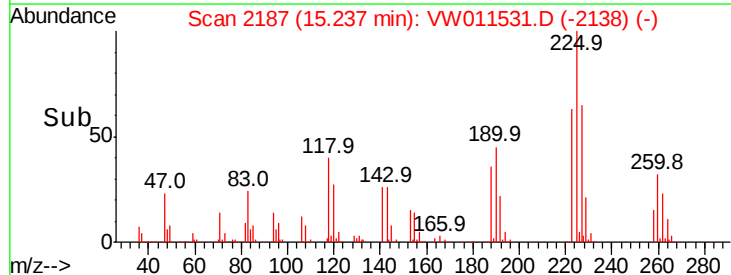
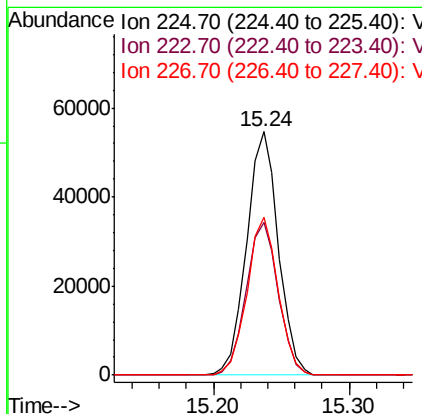
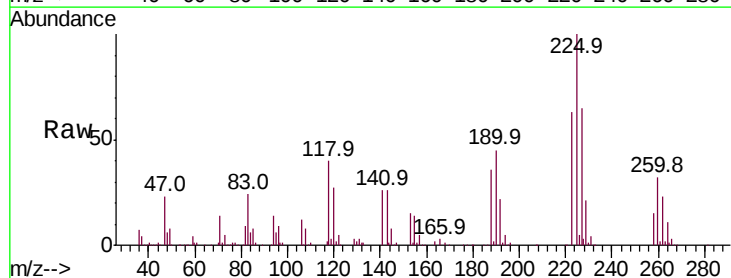
Manual Integrations
 APPROVED

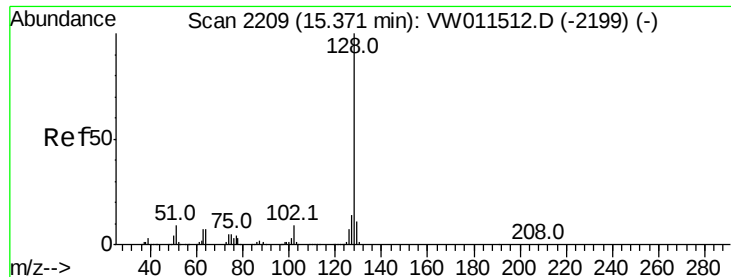
MMDadoda
 7/29/2019 9:19:16 AM



#94
 Hexachlorobutadiene
 Concen: 46.217 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011531.D
 Acq: 26 Jul 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	30.8	92.3	
227	63.6	31.6	94.7	





#95

Naphthalene

Concen: 49.052 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Instrument :

MSVOA_W

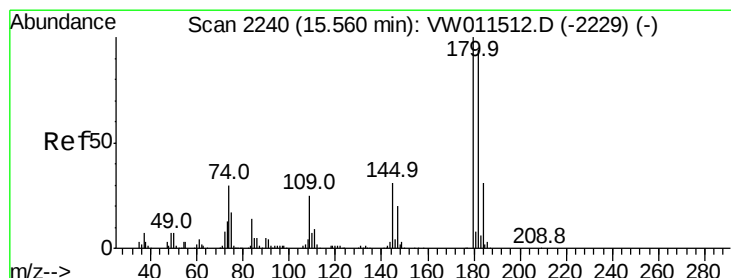
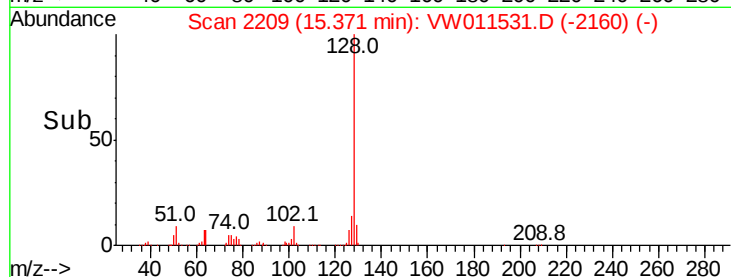
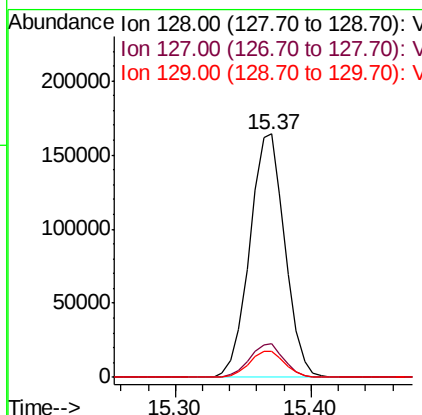
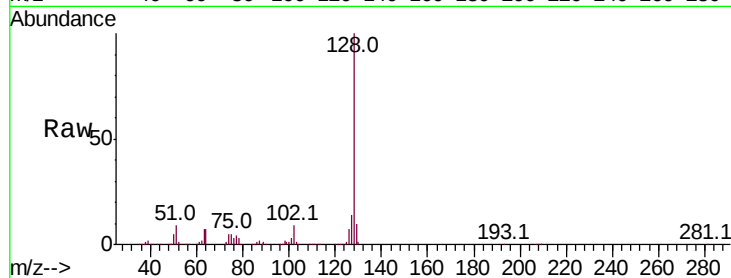
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	297212
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/29/2019 9:19:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.568 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011531.D

Acq: 26 Jul 2019 22:16

Tgt Ion:	180	Resp:	134511
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.4	142.2
145	32.0	15.9	47.7

