

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102919\
 Data File : VU035546.D
 Acq On : 29 Oct 2019 18:54
 Operator : JC/SP
 Sample : VN1029WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBSD01

Manual Integrations
 APPROVED

Quant Time: Oct 30 06:52:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 05:38:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.16	96	73109	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.66	95	25652	0.98	ug/l	0.00	
Spiked Amount	1.000		Recovery	=	98.00%		
68) 1,2-Dichlorobenzene-d4	12.22	152	28513	1.02	ug/l	0.00	MMDadoda
Spiked Amount	1.000		Recovery	=	102.00%		

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.40	85	52024	1.817	ug/l	100
3) Chloromethane	1.54	50	61346	1.748	ug/l	99
4) Vinyl Chloride	1.62	62	58729	1.889	ug/l	100
5) Bromomethane	1.88	94	28551	1.806	ug/l	100
6) Chloroethane	1.95	64	33553	1.877	ug/l	100
7) Trichlorofluoromethane	2.16	101	70728	1.841	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	39272	1.886	ug/l	99
9) 1,1-Dichloroethene	2.61	96	37243	1.854	ug/l	90
10) Iodomethane	2.75	142	16924	1.902	ug/l	98
11) Allyl Chloride	2.96	41	62122	1.840	ug/l	100
12) Acrylonitrile	3.38	53	19139m	3.795	ug/l	
13) Acetone	2.68	43	39919	8.155	ug/l	97
14) Carbon Disulfide	2.82	76	128244	1.805	ug/l	100
15) Methylene Chloride	3.08	84	47408	1.835	ug/l	97
16) trans-1,2-Dichloroethene	3.39	96	41296	1.869	ug/l	99
17) 1,1-Dichloroethane	3.92	63	78934	1.907	ug/l	99
18) 2-Butanone	4.80	43	53199	8.385	ug/l	100
19) Cyclohexane	5.43	56	55349m	1.687	ug/l	
20) Methylcyclohexane	6.80	83	54832	1.630	ug/l	95
21) 2,2-Dichloropropane	4.71	77	61604	1.725	ug/l	100
22) cis-1,2-Dichloroethene	4.72	96	43029	1.820	ug/l	97
23) Diethyl Ether	2.41	59	30573	1.845	ug/l	99
24) tert-Butyl Alcohol	3.29	59	40775m	22.082	ug/l	
25) Methyl tert-Butyl Ether	3.43	73	102451	1.902	ug/l	99
26) Bromochloromethane	5.03	128	19372	1.835	ug/l	94
27) Chloroform	5.14	83	80640	1.824	ug/l	99
28) 1,1,1-Trichloroethane	5.36	97	64897	1.852	ug/l	99
29) 1,1-Dichloropropene	5.57	75	53316	1.815	ug/l	100
30) Carbon Tetrachloride	5.57	117	57659	1.850	ug/l	95
31) Isopropyl Ether	4.07	45	104671	1.811	ug/l	97
32) Ethyl-t-butyl ether	4.57	59	94480	1.765	ug/l	99
33) Tert-Amyl methyl ether	6.01	73	82467	1.792	ug/l	99
34) Propionitrile	4.87	54	17968	9.778	ug/l #	92
35) Benzene	5.82	78	167149	1.864	ug/l	99
36) 1,2-Dichloroethane	5.84	62	48420	1.885	ug/l	99
37) Trichloroethene	6.58	130	45069	1.810	ug/l	95
38) 1,2-Dichloropropane	6.84	63	45109	1.835	ug/l	98
39) Methacrylonitrile	5.05	41	13701	1.986	ug/l	92
40) Methyl acrylate	4.92	55	20331	1.935	ug/l #	93
41) Tetrahydrofuran	5.15	42	13718	3.867	ug/l #	38
42) 1-Chlorobutane	5.50	56	70757	1.750	ug/l	96

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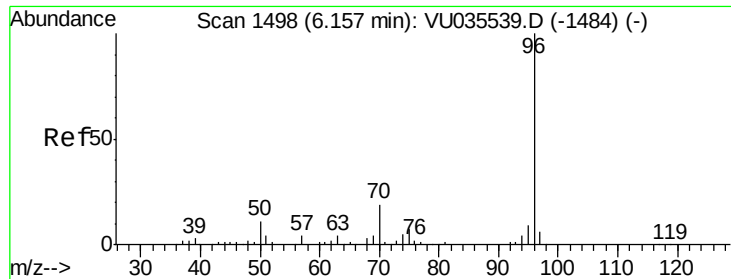
Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBSD01

Manual Integrations
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Quant Time: Oct 30 06:52:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 05:38:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.96	93	23506	1.914	ug/l	96
44) Bromodichloromethane	7.15	83	57450	1.877	ug/l	98
45) 4-Methyl-2-Pentanone	7.85	43	120330	9.188	ug/l	97
46) t-1,4-Dichloro-2-butene	10.87	75	14234m	2.991	ug/l	
47) Methyl methacrylate	7.02	69	36837	3.622	ug/l	96
48) Ethyl methacrylate	8.38	69	30887	1.738	ug/l	98
49) Toluene	8.01	92	94667	1.836	ug/l	98
50) t-1,3-Dichloropropene	8.25	75	49507	1.827	ug/l	99
51) cis-1,3-Dichloropropene	7.65	75	57438	1.787	ug/l	98
52) 1,1,2-Trichloroethane	8.44	97	32861	1.909	ug/l	98
53) 1,3-Dichloropropane	8.61	76	53948	1.849	ug/l	99
54) 2-Hexanone	8.74	43	77934	8.374	ug/l	94
55) Dibromochloromethane	8.84	129	39593	1.884	ug/l	98
56) 1,2-Dibromoethane	8.96	107	29487	1.873	ug/l	99
58) Tetrachloroethene	8.58	164	42764	1.873	ug/l	94
59) Chlorobenzene	9.48	112	106804	1.796	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.57	131	41467	1.814	ug/l	97
61) Pentachloroethane	11.46	117	35014	1.880	ug/l	99
62) Hexachloroethane	12.50	117	30892	1.815	ug/l	100
63) Ethyl Benzene	9.60	91	156434	1.694	ug/l	100
64) m/p-Xylenes	9.72	106	125412	3.440	ug/l #	2
65) o-Xylene	10.13	106	60874	1.728	ug/l	99
66) Styrene	10.14	104	102119	1.751	ug/l	99
67) Bromoform	10.32	173	24135	1.851	ug/l	98
69) Isopropylbenzene	10.51	105	159221	1.734	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.81	83	43332	1.888	ug/l #	63
71) 1,2,3-Trichloropropane	10.86	75	35832m	2.079	ug/l	
72) Bromobenzene	10.81	156	46610	1.821	ug/l	98
73) n-propylbenzene	10.93	120	44048	1.717	ug/l	98
74) 2-Chlorotoluene	11.01	126	43425	1.806	ug/l	98
75) 1,3,5-Trimethylbenzene	11.11	105	134784	1.781	ug/l	99
76) 4-Chlorotoluene	11.12	126	44395	1.818	ug/l	95
77) tert-Butylbenzene	11.45	119	138728	1.787	ug/l	100
78) 1,2,4-Trimethylbenzene	11.49	105	136866	1.787	ug/l	98
79) sec-Butylbenzene	11.67	105	176156	1.774	ug/l	99
80) Nitrobenzene	13.24	77	2626	3.415	ug/l #	89
81) p-Isopropyltoluene	11.82	119	139591	1.757	ug/l #	69
82) 1,3-Dichlorobenzene	11.77	146	93749	1.923	ug/l	100
83) 1,4-Dichlorobenzene	11.86	146	90298	1.932	ug/l	100
84) n-Butylbenzene	12.23	91	121031	1.856	ug/l	97
85) 1,2-Dichlorobenzene	12.24	146	88174	1.921	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	5655	1.935	ug/l	95
87) 1,2,4-Trichlorobenzene	13.87	180	27863	1.834	ug/l	98
88) Hexachlorobutadiene	14.04	225	33962	1.987	ug/l	99
89) Naphthalene	14.11	128	32851	1.759	ug/l	99
90) 1,2,3-Trichlorobenzene	14.35	180	29348	1.828	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.16 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

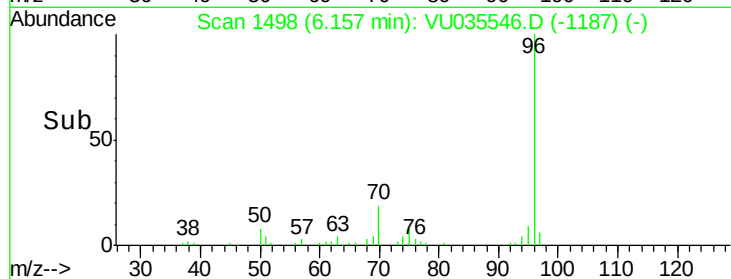
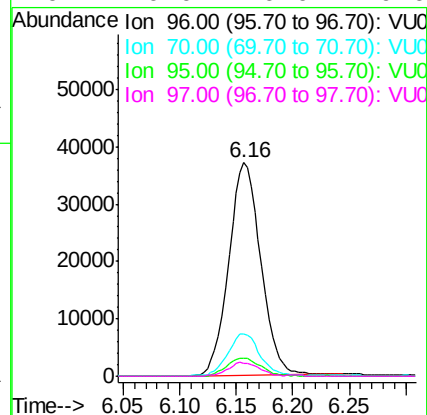
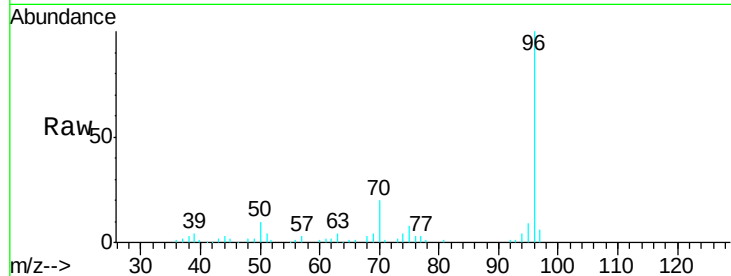
MSVOA_U

ClientSampleId :

VN1029WBSD01

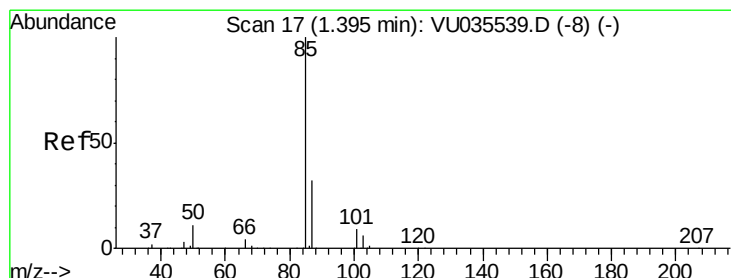
Tgt Ion:	96	Resp:	73109
Ion	Ratio	Lower	Upper
96	100		
70	19.6	15.8	23.8
95	9.1	7.4	11.2
97	6.0	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.817 ug/l

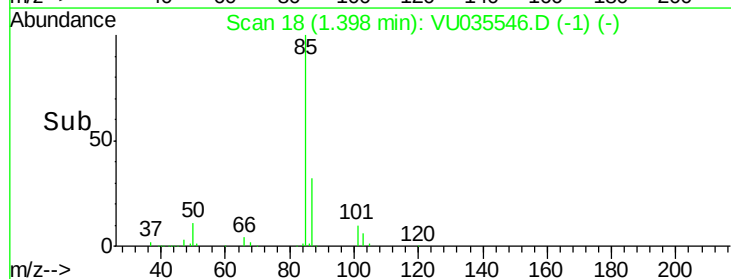
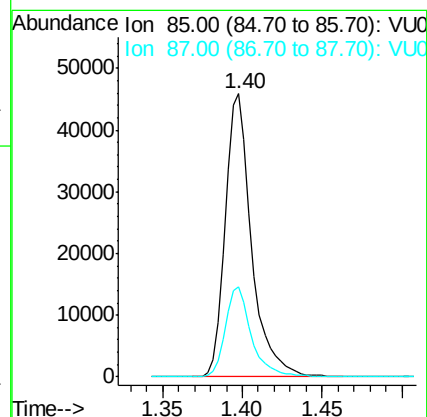
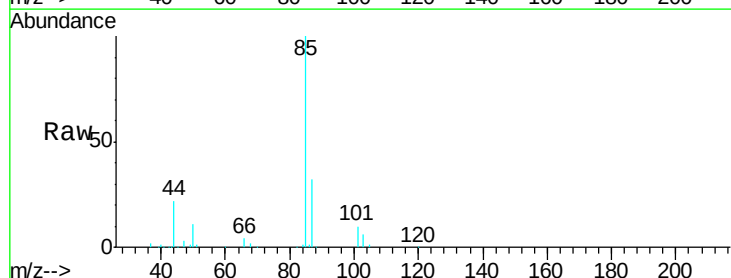
RT: 1.40 min Scan# 18

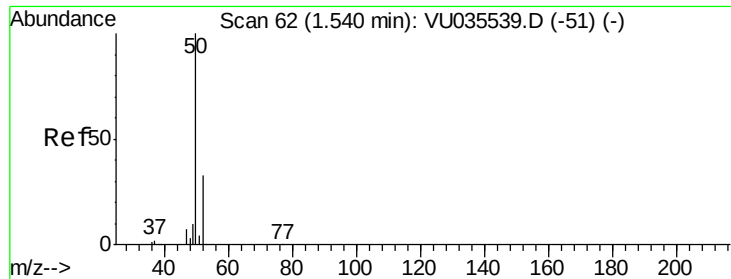
Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Tgt Ion:	85	Resp:	52024
Ion	Ratio	Lower	Upper
85	100		
87	31.6	15.8	47.4





#3

Chloromethane

Concen: 1.748 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBSD01

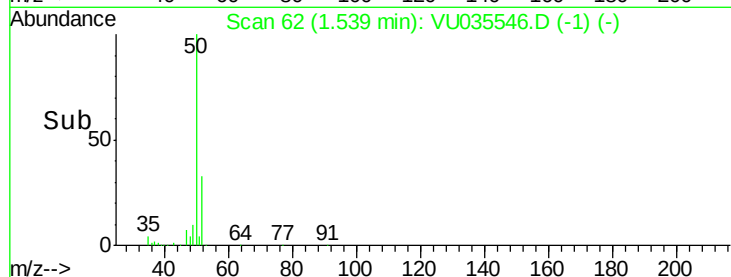
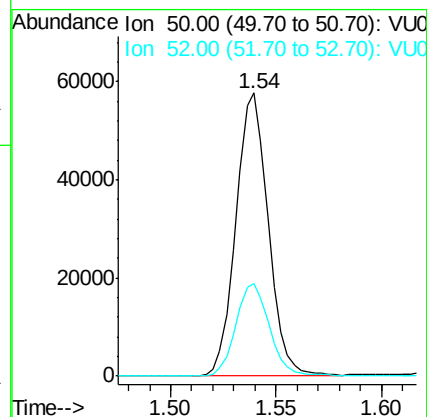
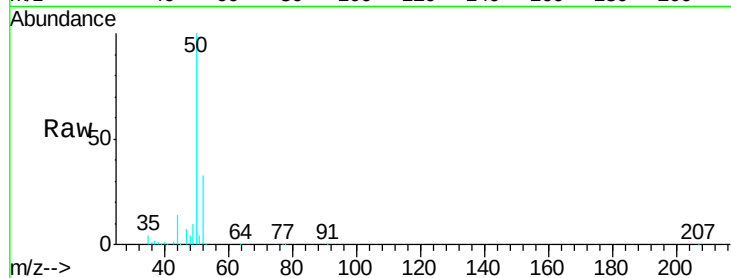
Tgt Ion: 50 Resp: 61346

Ion Ratio Lower Upper

50 100

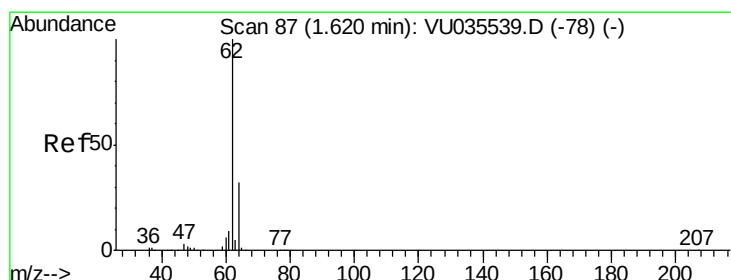
52 32.9 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 1.889 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035546.D

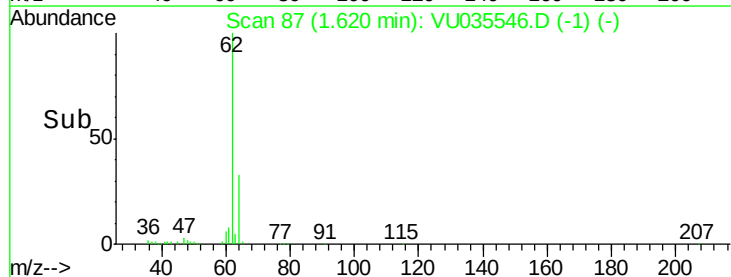
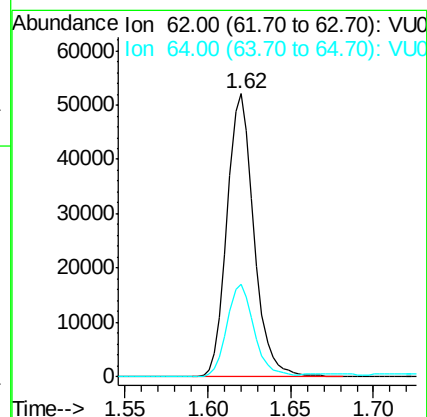
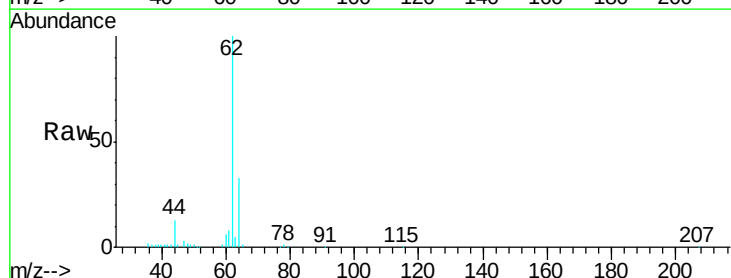
Acq: 29 Oct 2019 18:54

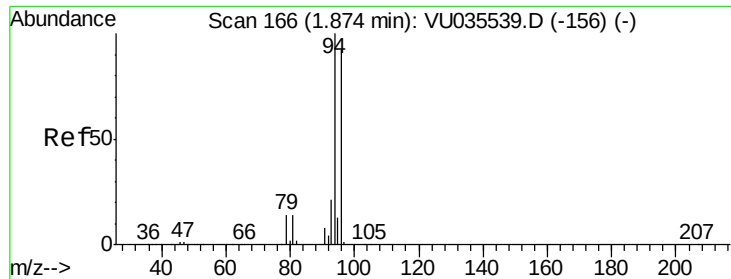
Tgt Ion: 62 Resp: 58729

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 1.806 ug/l

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBSD01

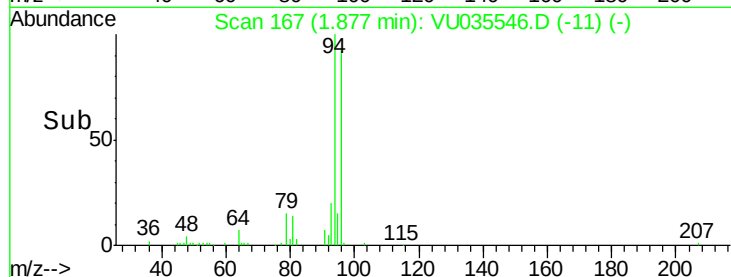
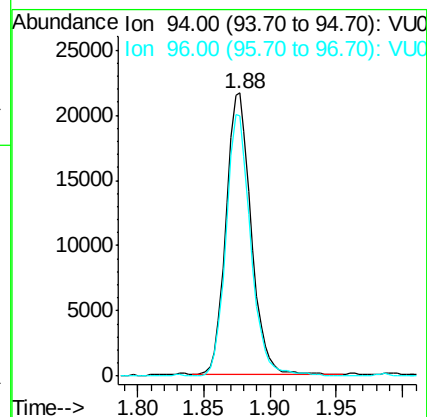
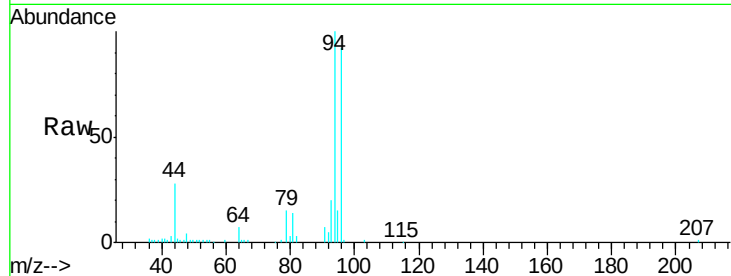
Tgt Ion: 94 Resp: 28551

Ion Ratio Lower Upper

94 100

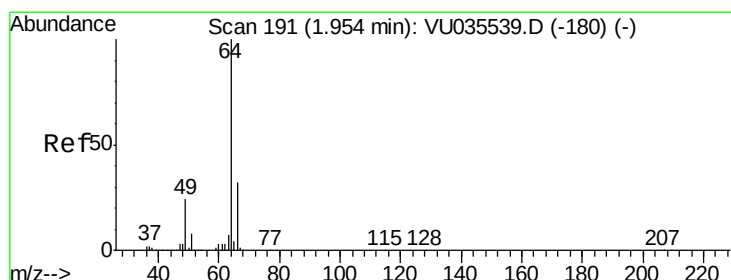
96 92.5 73.8 110.8

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#6

Chloroethane

Concen: 1.877 ug/l

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035546.D

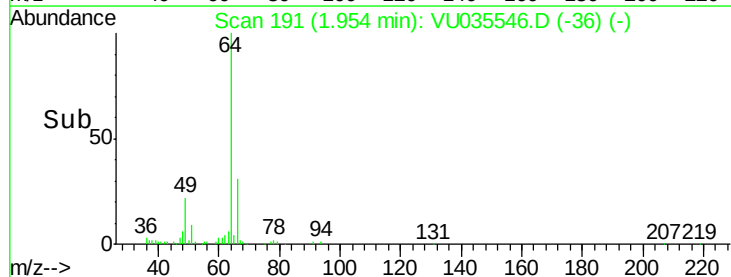
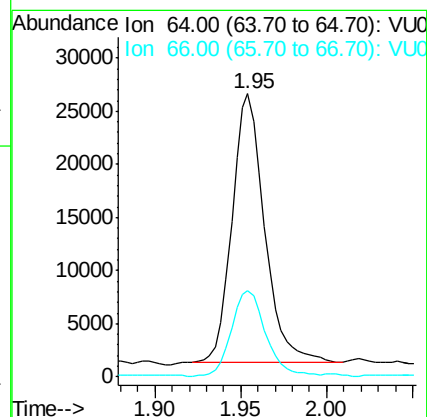
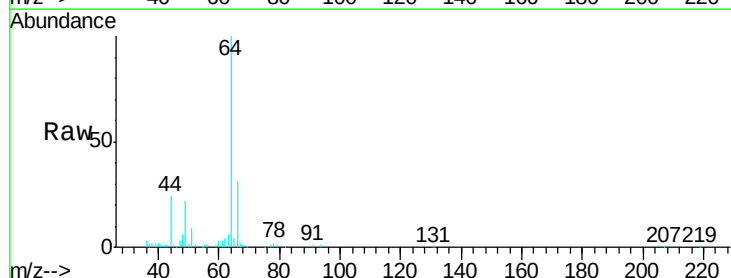
Acq: 29 Oct 2019 18:54

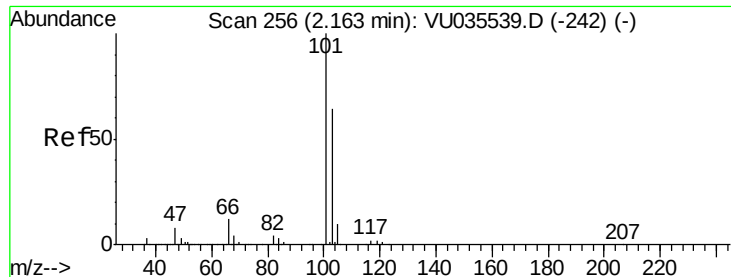
Tgt Ion: 64 Resp: 33553

Ion Ratio Lower Upper

64 100

66 32.2 25.9 38.9





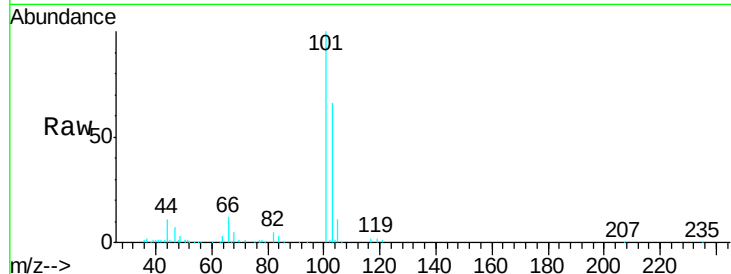
#7

Trichlorofluoromethane
Concen: 1.841 ug/l
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

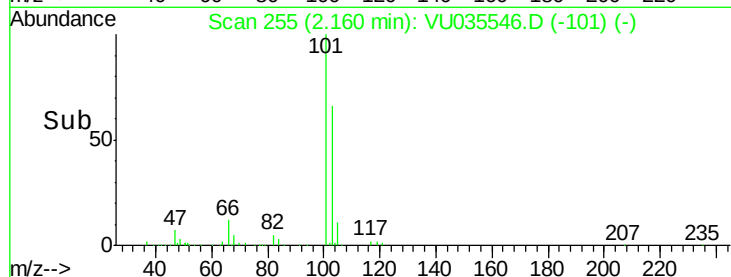
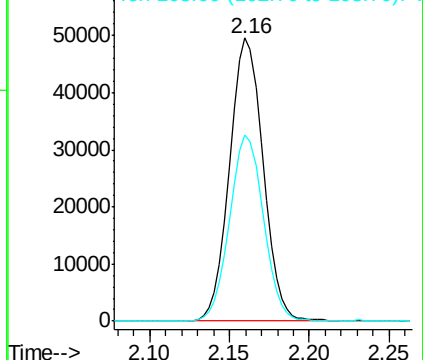
Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

Tgt Ion:101 Resp: 70728
Ion Ratio Lower Upper
101 100
103 65.8 51.0 76.6

Manual Integrations
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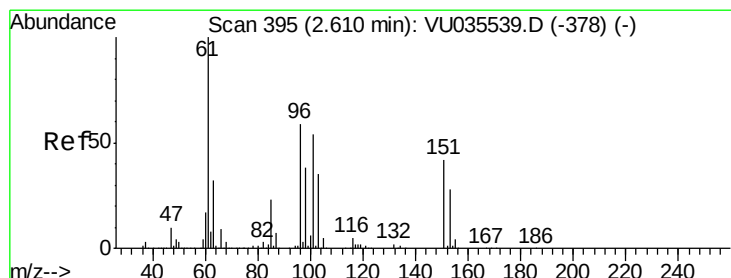


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



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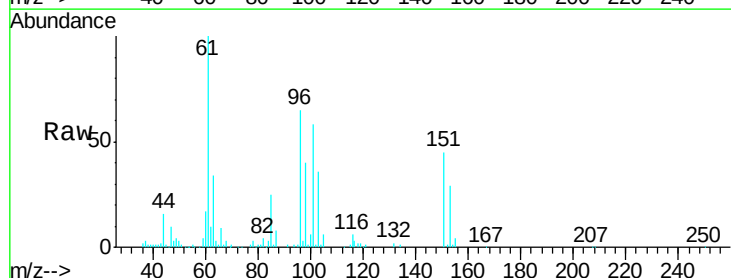
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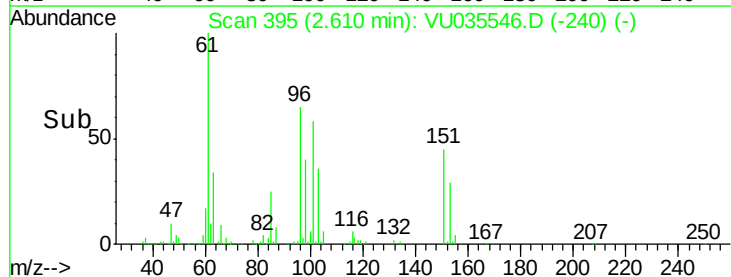
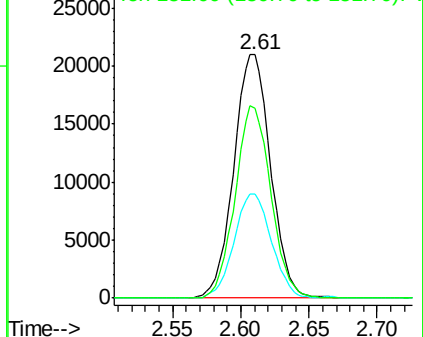
#8

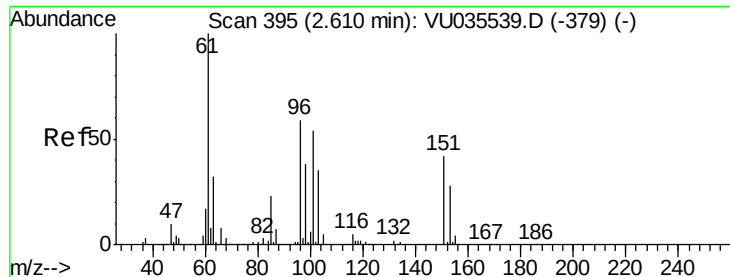
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.886 ug/l
RT: 2.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion:101 Resp: 39272
Ion Ratio Lower Upper
101 100
85 43.4 35.8 53.6
151 76.5 61.8 92.6



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.854 ug/l

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

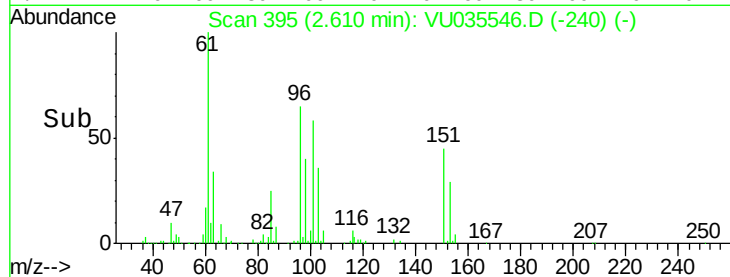
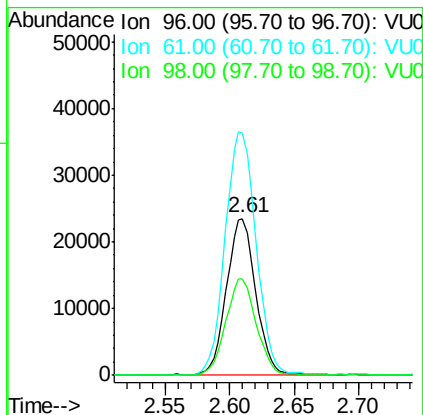
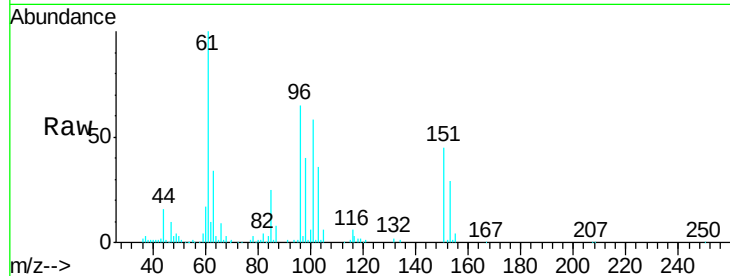
MSVOA_U

ClientSampleId :

VN1029WBSD01

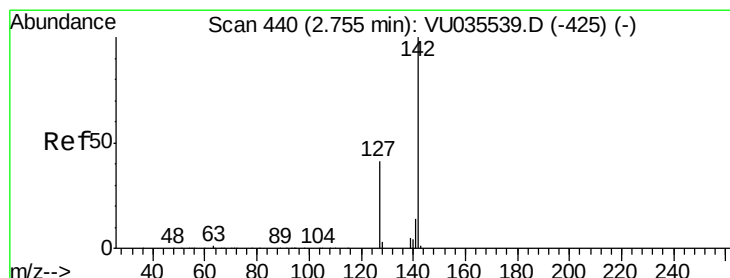
Tgt Ion:	96	Resp:	37243
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	508.8
98	61.5	0.0	130.4

Manual Integrations
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10/30/2019 10:39:23 AM



#10

Iodomethane

Concen: 1.902 ug/l

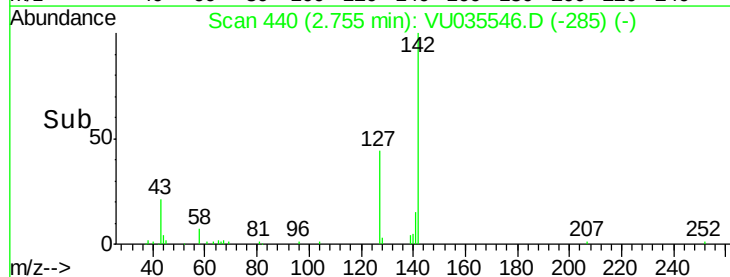
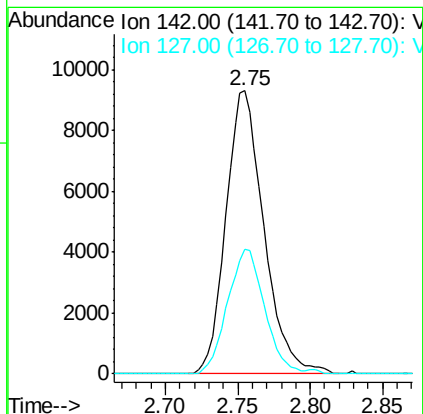
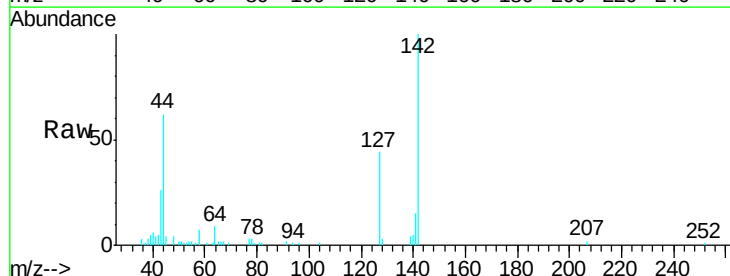
RT: 2.75 min Scan# 440

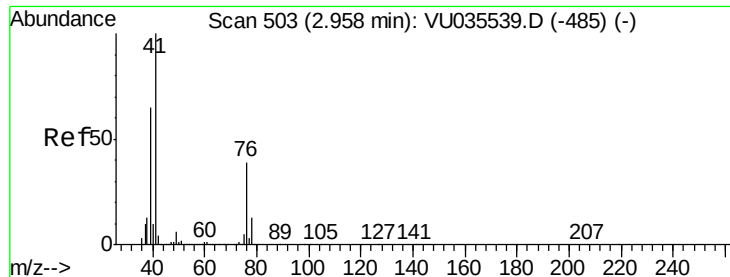
Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Tgt Ion:	142	Resp:	16924
Ion	Ratio	Lower	Upper
142	100		
127	42.9	33.4	50.0



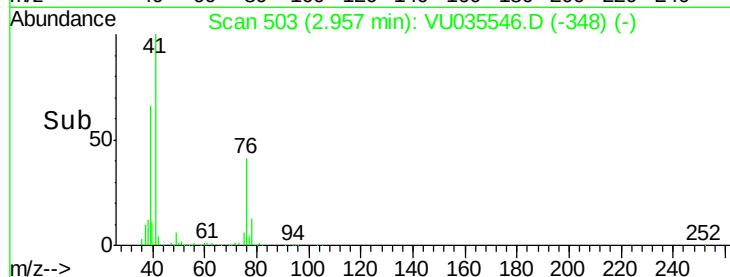
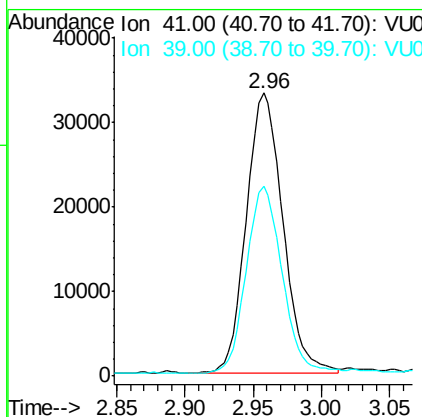
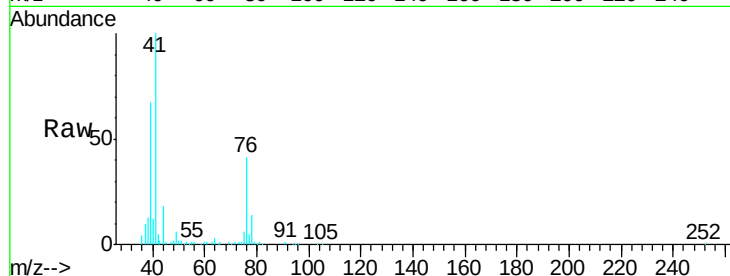


#11
 Allyl Chloride
 Concen: 1.840 ug/l
 RT: 2.96 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBSD01

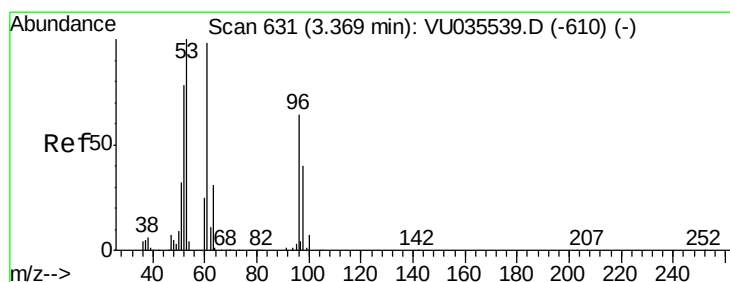
Tgt Ion: 41 Resp: 62122
 Ion Ratio Lower Upper
 41 100
 39 65.2 52.0 78.0

Manual Integrations
 APPROVED



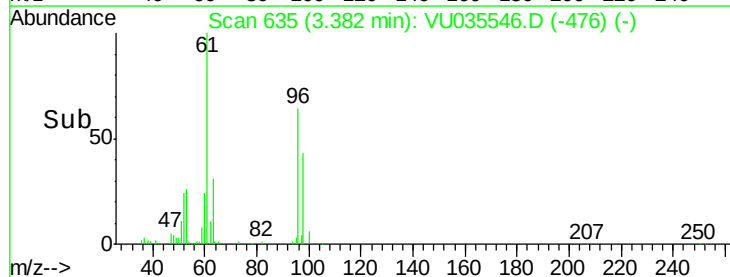
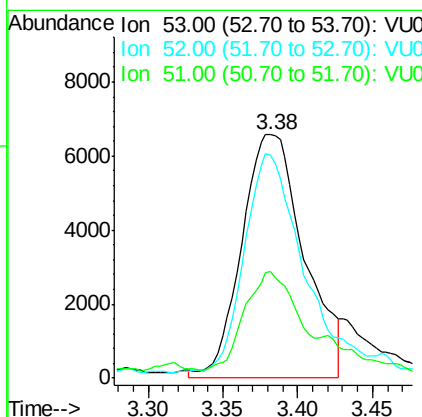
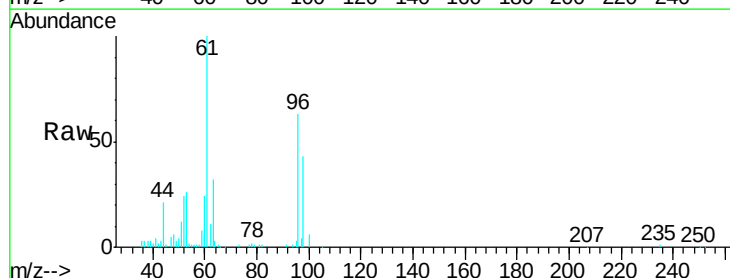
MMDadoda

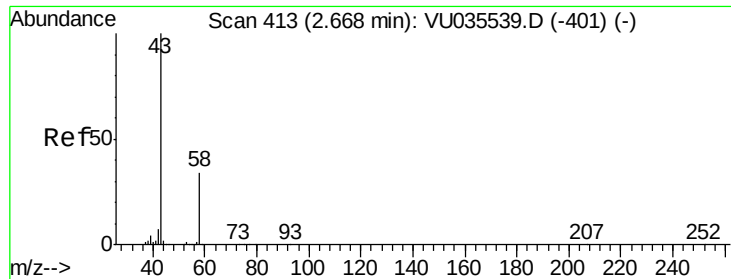
10/30/2019 10:39:23 AM



#12
 Acrylonitrile
 Concen: 3.795 ug/l m
 RT: 3.38 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion: 53 Resp: 19139
 Ion Ratio Lower Upper
 53 100
 52 83.5 67.4 101.0
 51 33.6 27.0 40.4



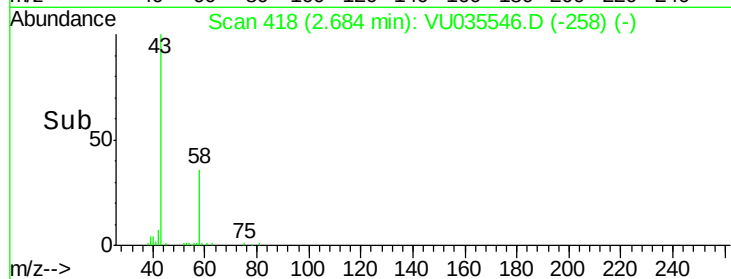
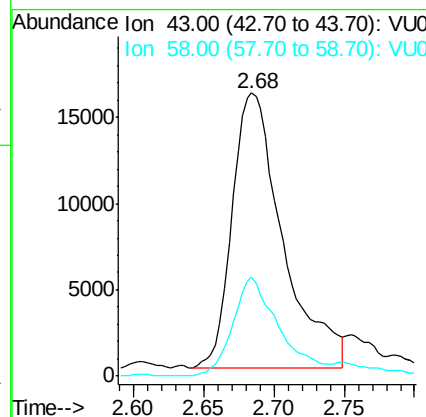
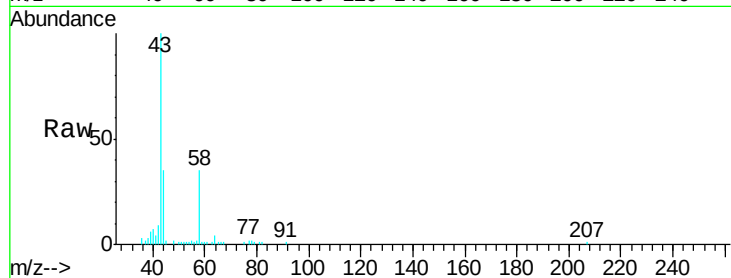


#13
Acetone
Concen: 8.155 ug/l
RT: 2.68 min Scan# 418
Delta R.T. 0.02 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

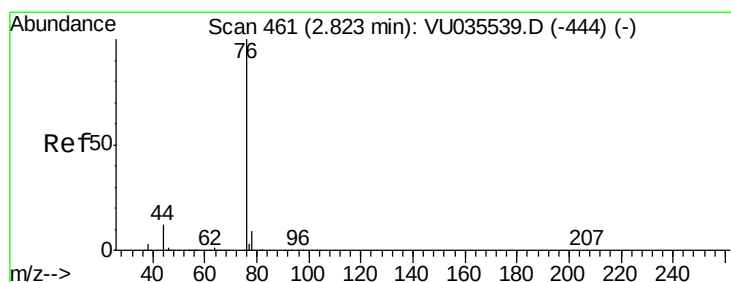
Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.2	27.6	41.4

Manual Integrations
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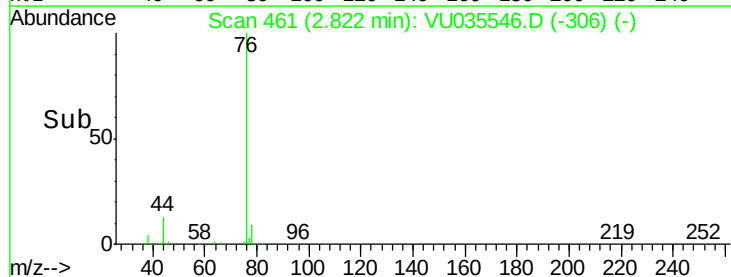
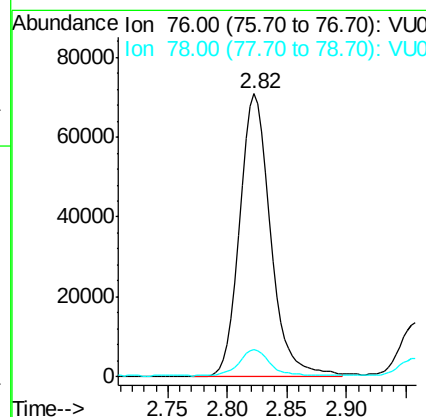
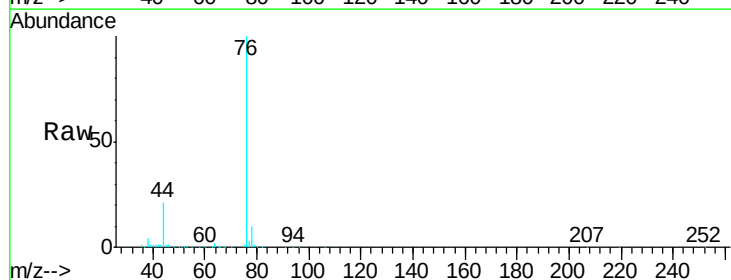
MMDadoda

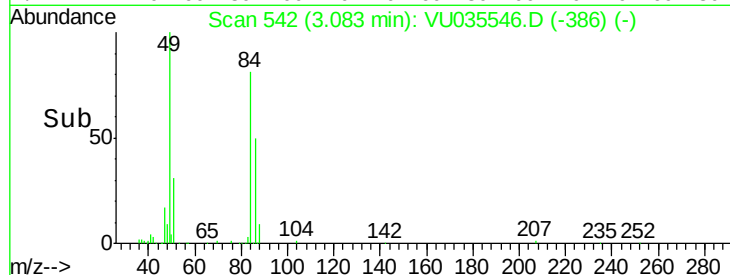
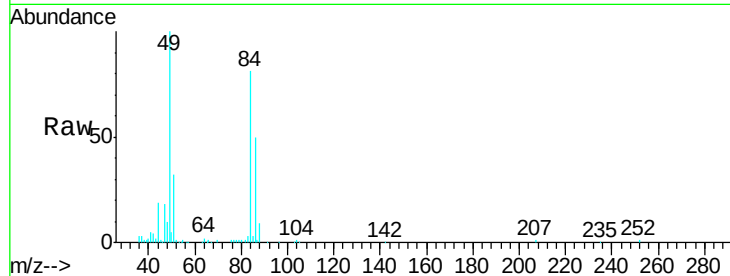
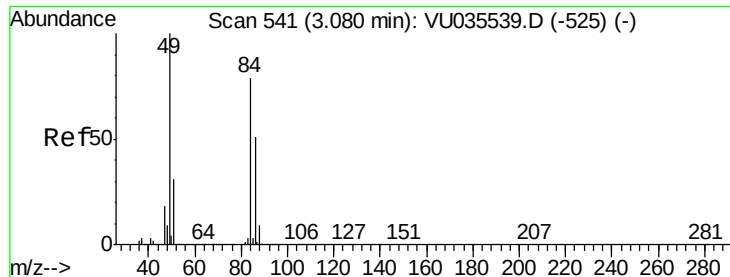
10/30/2019 10:39:23 AM



#14
Carbon Disulfide
Concen: 1.805 ug/l
RT: 2.82 min Scan# 461
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

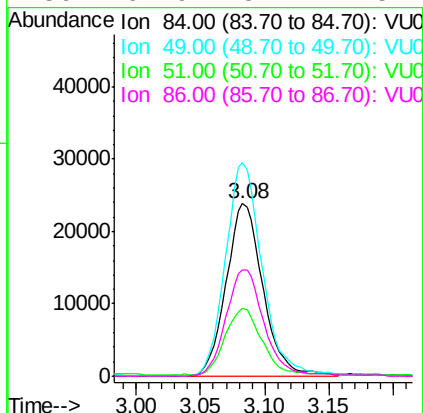
Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2





#15
Methylene Chloride
Concen: 1.835 ug/l
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	101.5	152.3
51	38.2	0.0	78.6
86	61.9	52.2	78.2

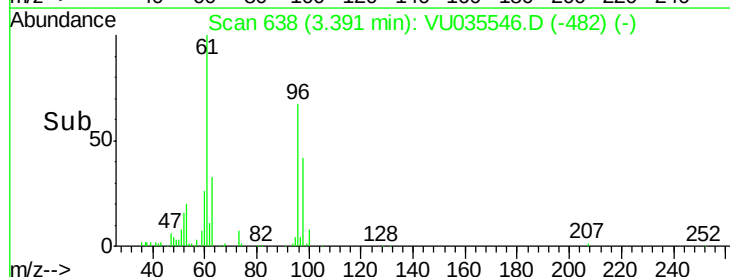
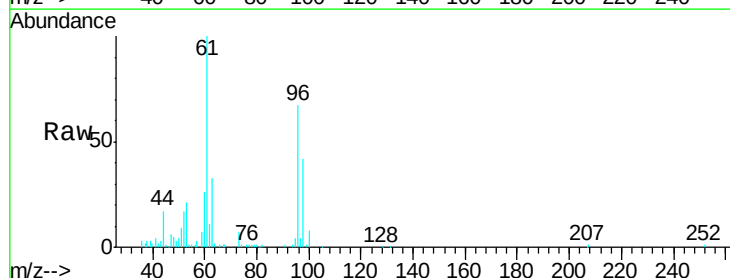
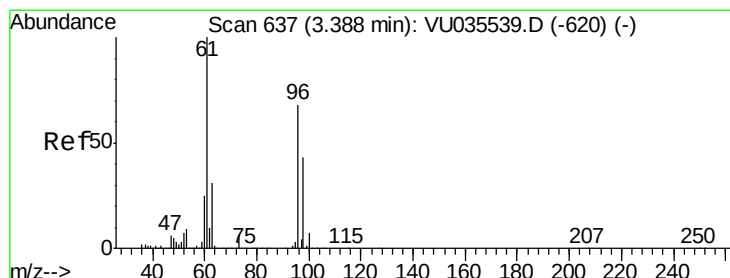


Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

Manual Integrations
APPROVED

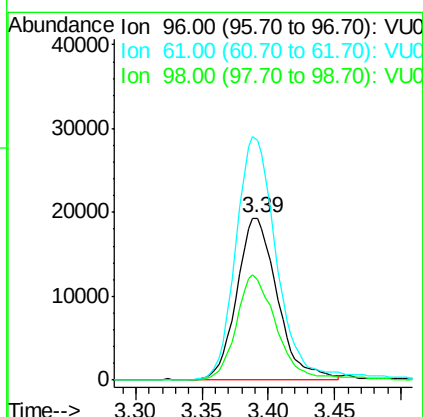
MMDadoda

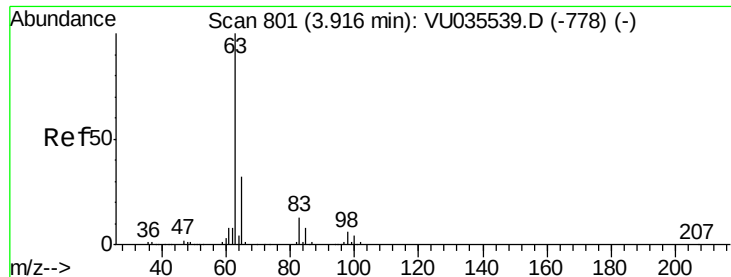
10/30/2019 10:39:23 AM



#16
trans-1,2-Dichloroethene
Concen: 1.869 ug/l
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.7	117.8	176.8
98	62.2	50.2	75.2



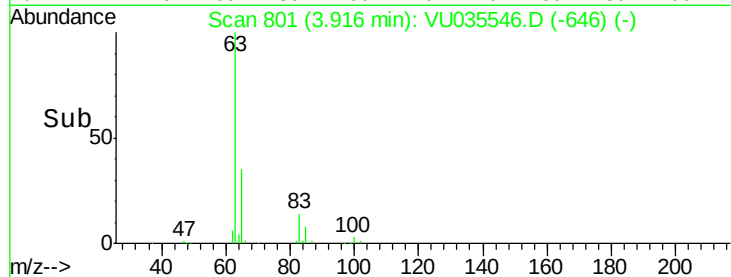
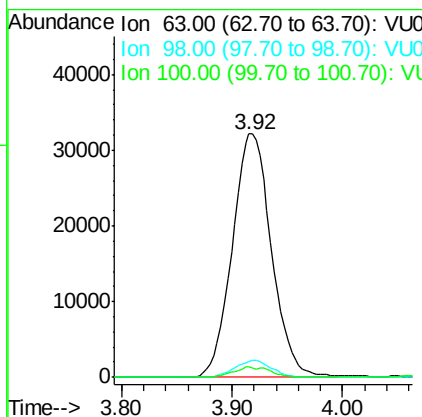
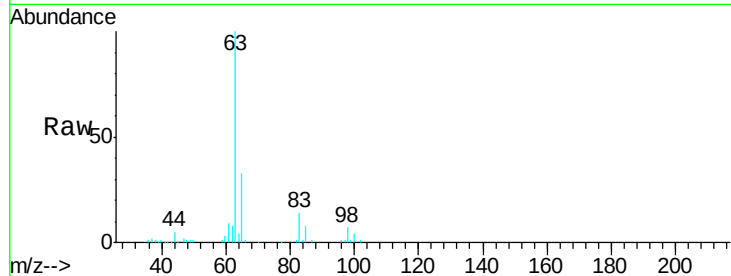


#17
 1,1-Dichloroethane
 Concen: 1.907 ug/l
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBSD01

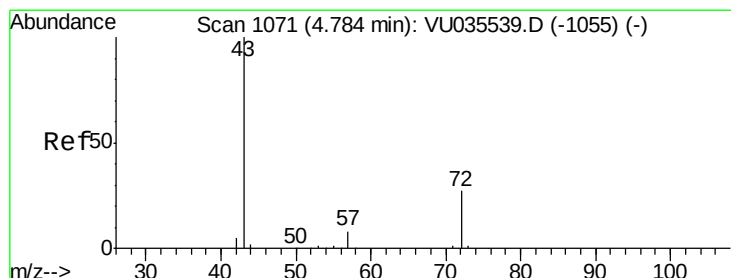
Tgt Ion	Ratio	Resp Lower	Upper
63	100		
98	6.5	3.1	9.3
100	4.3	2.1	6.3

Manual Integrations
 APPROVED



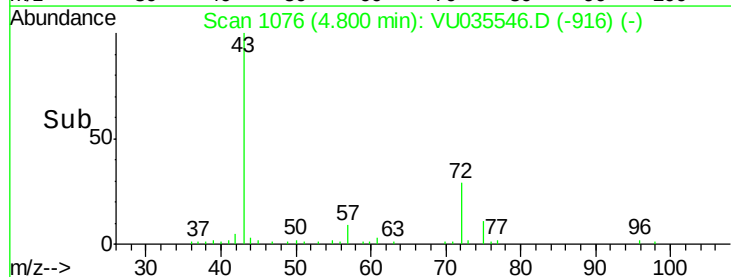
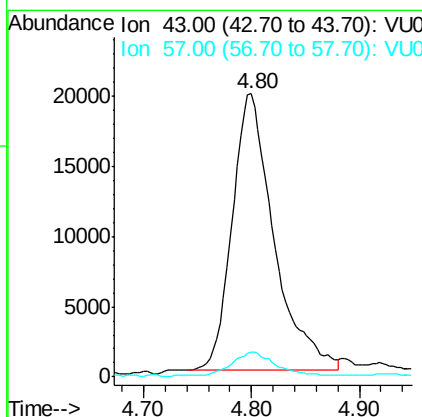
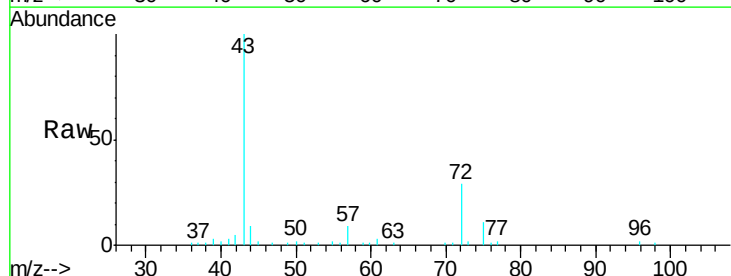
MMDadoda

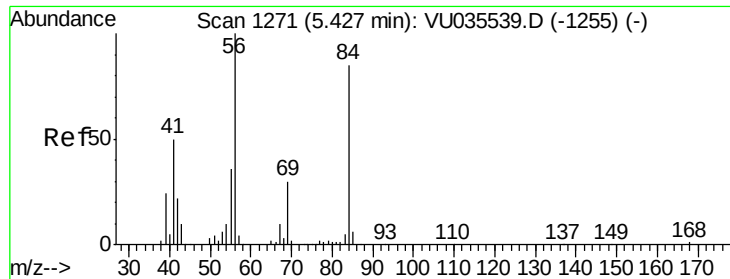
10/30/2019 10:39:23 AM



#18
 2-Butanone
 Concen: 8.385 ug/l
 RT: 4.80 min Scan# 1076
 Delta R.T. 0.02 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.4	0.0	17.0



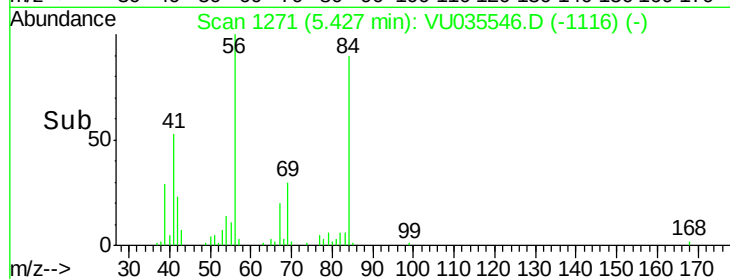
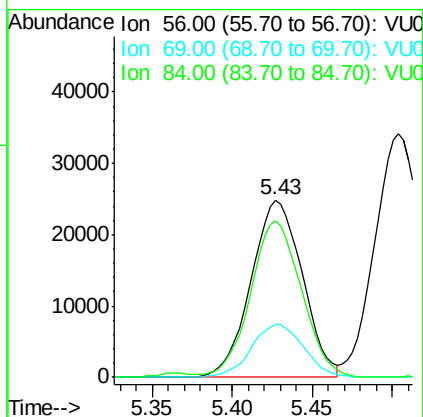
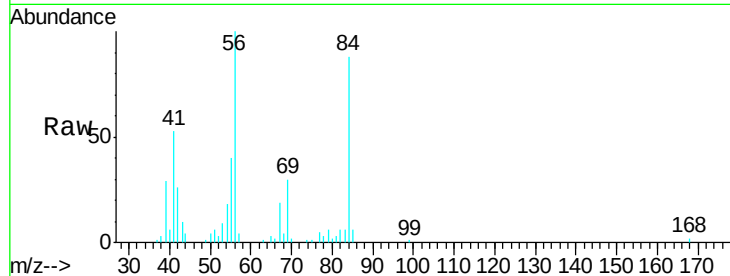


#19
Cyclohexane
Concen: 1.687 ug/l m
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

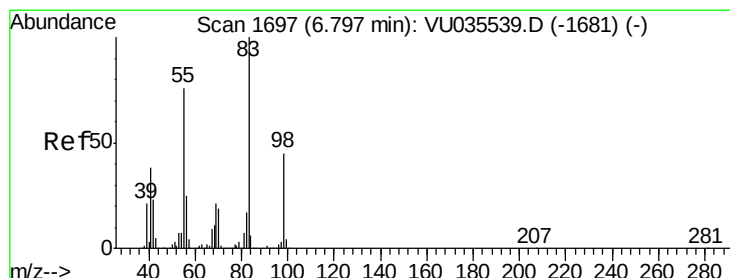
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	26.4	39.6
84	85.8	72.9	109.3

Manual Integrations
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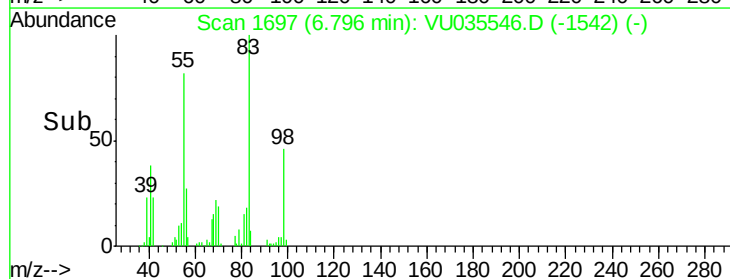
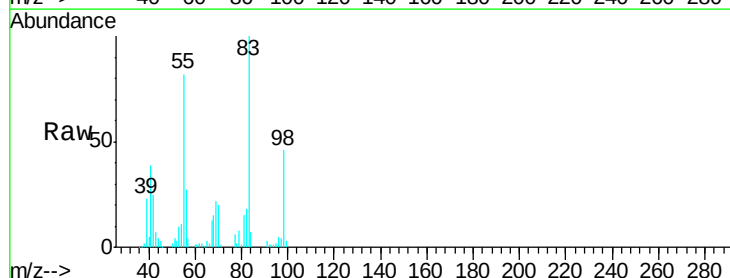
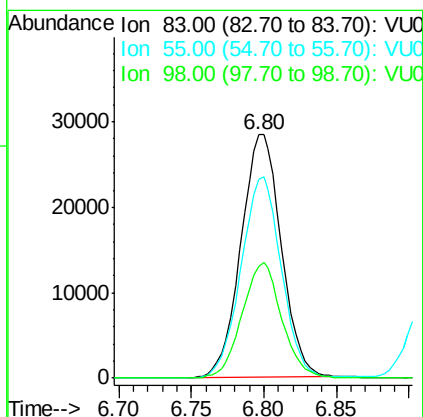
MMDadoda

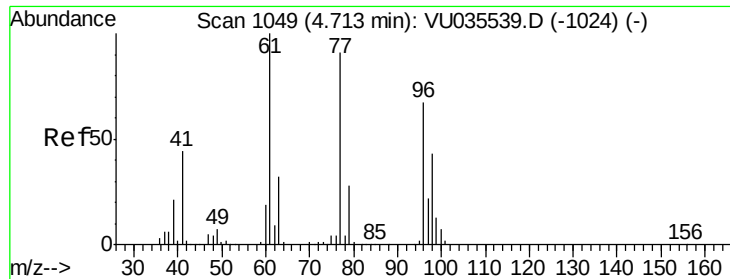
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#20
Methylcyclohexane
Concen: 1.630 ug/l
RT: 6.80 min Scan# 1697
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.3	61.2	91.8
98	46.7	36.7	55.1



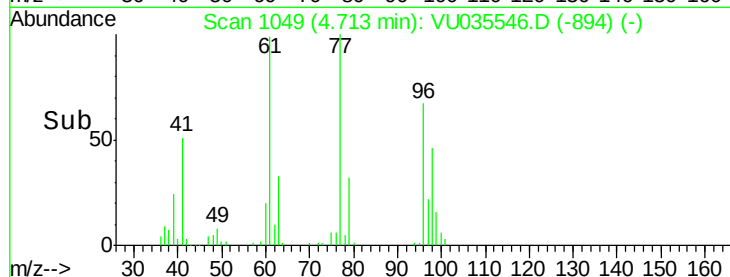
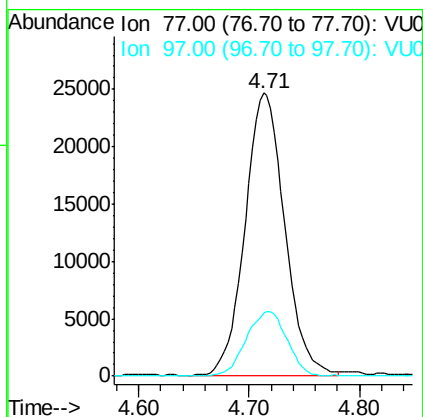
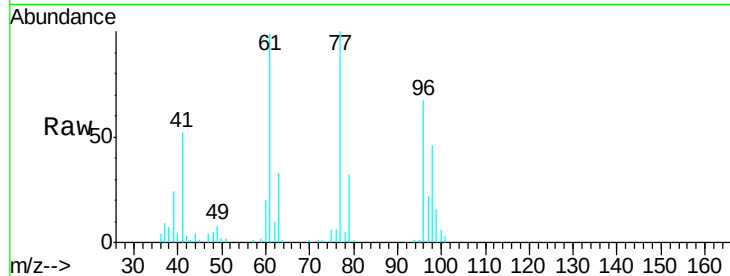


#21
 2,2-Dichloropropane
 Concen: 1.725 ug/l
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBSD01

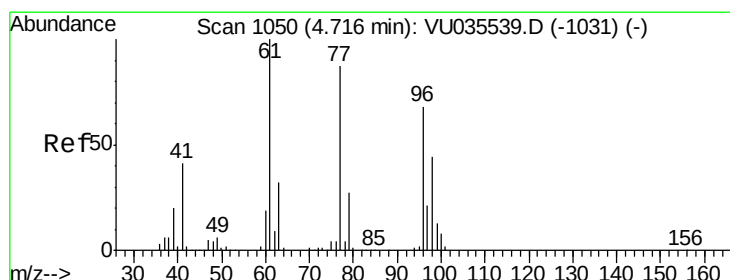
Tgt Ion: 77 Resp: 61604
 Ion Ratio Lower Upper
 77 100
 97 23.3 18.8 28.2

Manual Integrations
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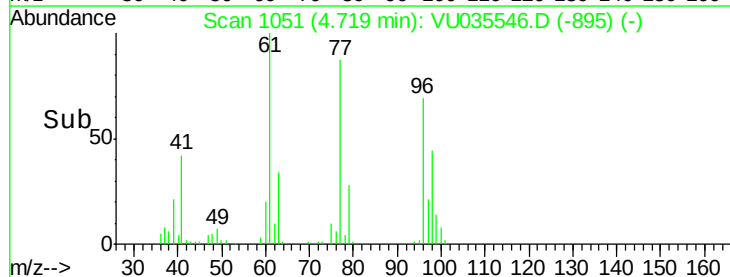
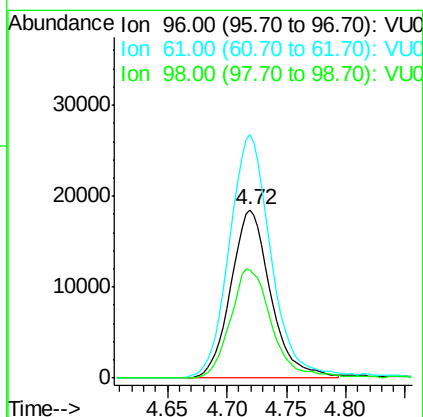
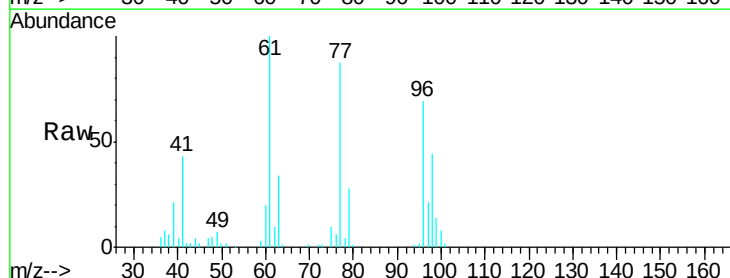
MMDadoda

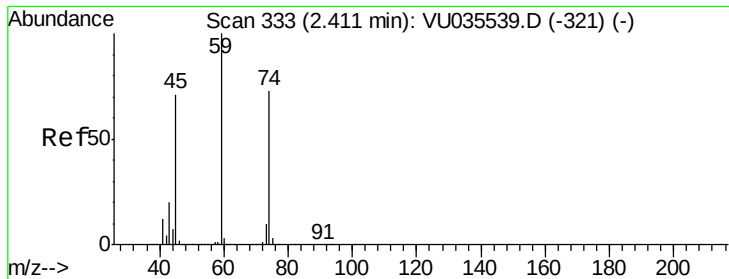
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#22
 cis-1,2-Dichloroethene
 Concen: 1.820 ug/l
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion: 96 Resp: 43029
 Ion Ratio Lower Upper
 96 100
 61 151.1 0.0 370.5
 98 67.0 31.8 95.4



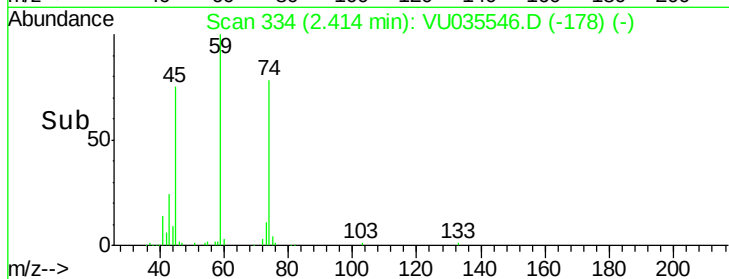
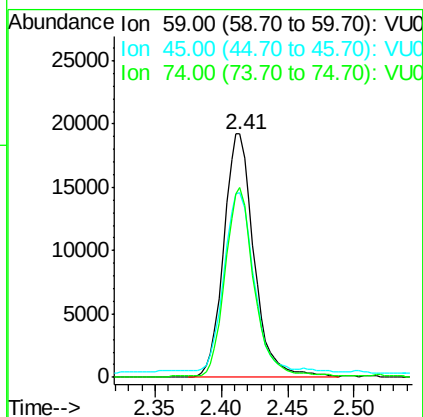
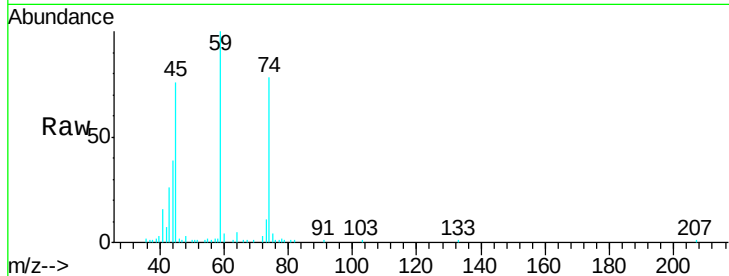


#23
Diethyl Ether
Concen: 1.845 ug/l
RT: 2.41 min Scan# 334
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

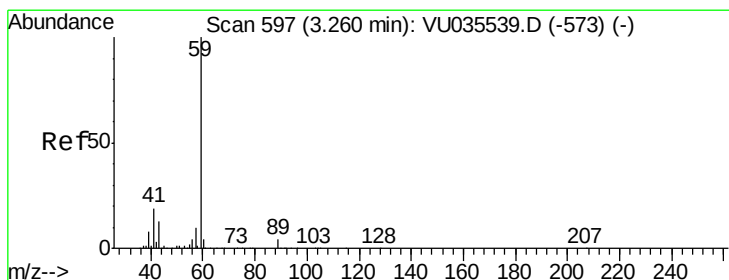
Tgt Ion	Ratio	Lower	Upper
59	100		
45	69.9	56.9	85.3
74	73.7	59.5	89.3

Manual Integrations
APPROVED



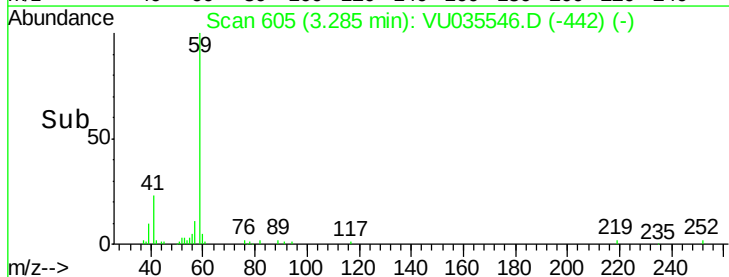
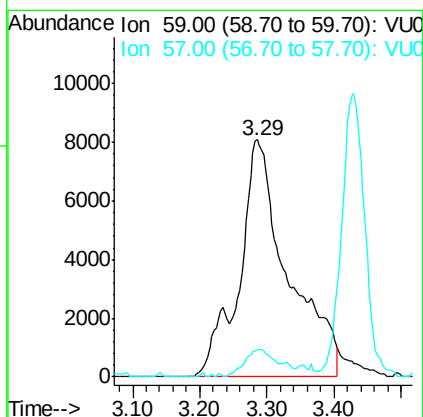
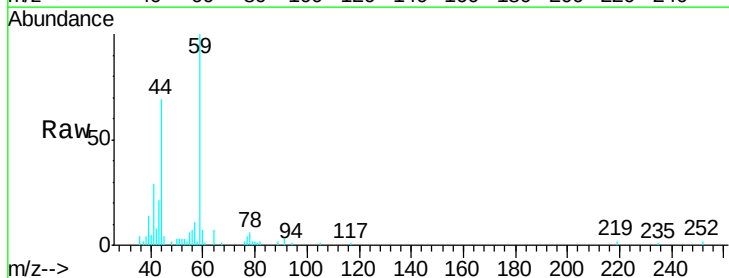
MMDadoda

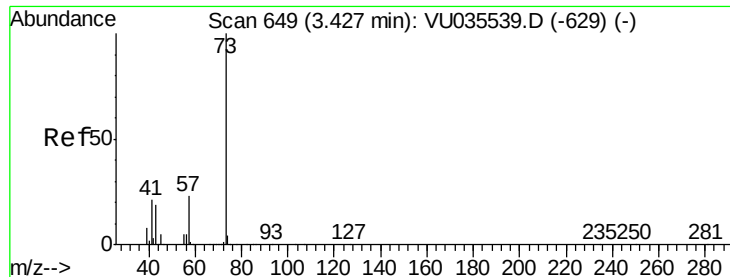
10/30/2019 10:39:23 AM



#24
tert-Butyl Alcohol
Concen: 22.082 ug/l m
RT: 3.29 min Scan# 605
Delta R.T. 0.03 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.4	11.0#





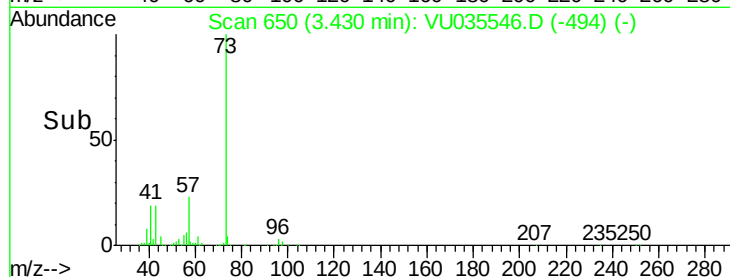
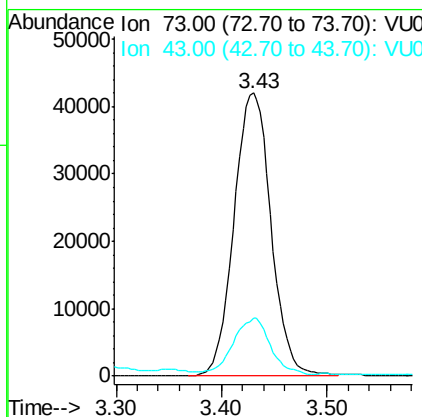
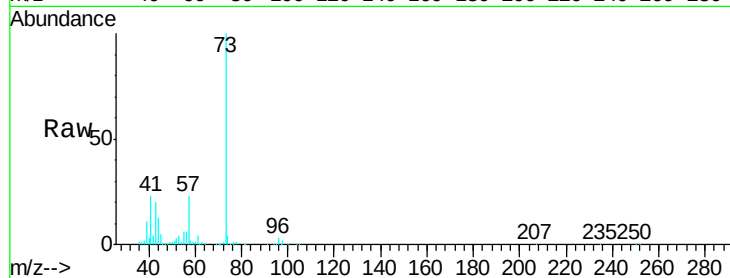
#25

Methyl tert-Butyl Ether
Concen: 1.902 ug/l
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

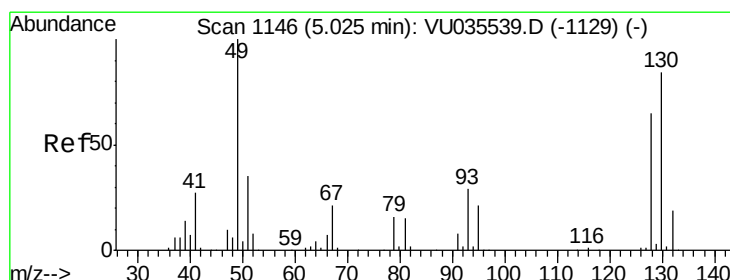
Tgt Ion: 73 Resp: 102451
Ion Ratio Lower Upper
73 100
43 19.8 15.4 23.2

Manual Integrations
APPROVED



MMDadoda

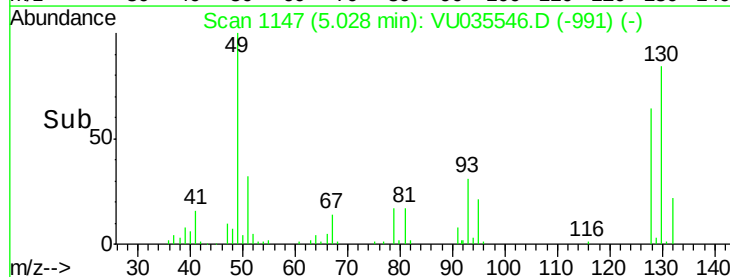
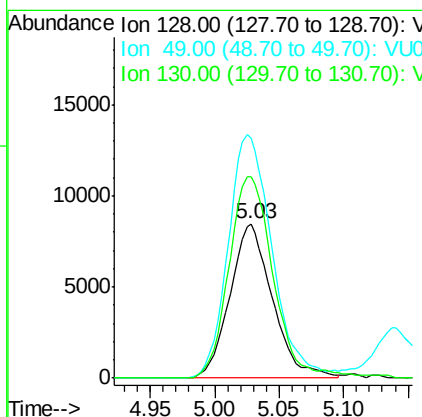
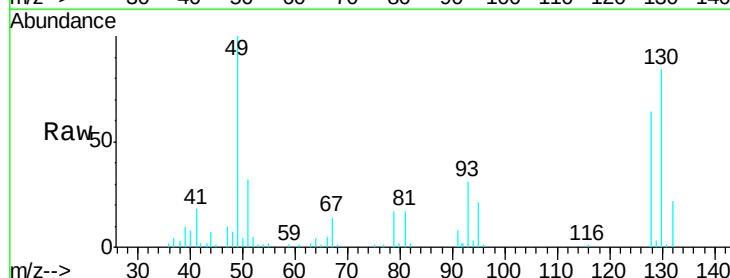
10/30/2019 10:39:23 AM

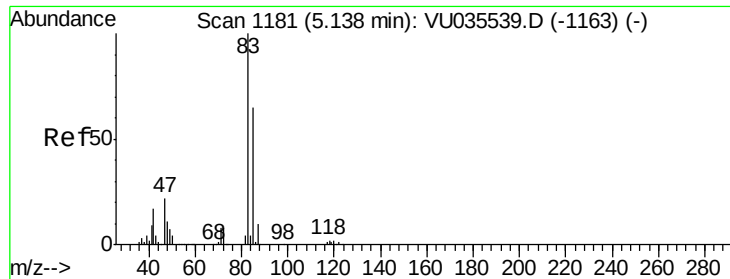


#26

Bromochloromethane
Concen: 1.835 ug/l
RT: 5.03 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 128 Resp: 19372
Ion Ratio Lower Upper
128 100
49 162.7 0.0 309.0
130 133.0 101.8 152.8



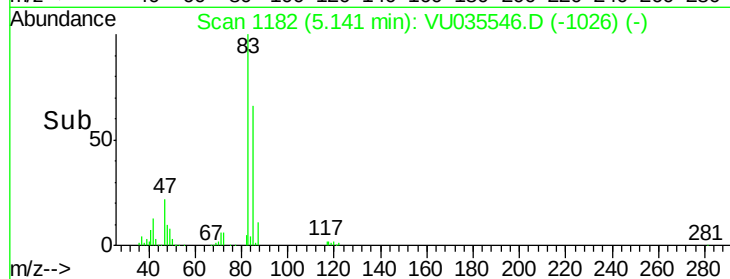
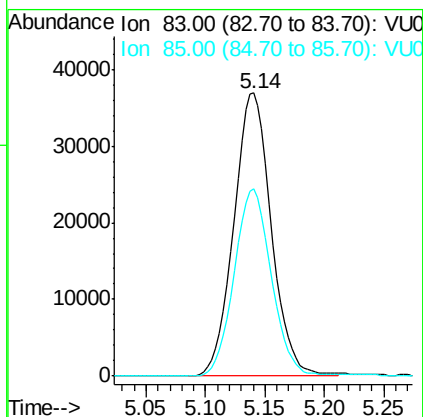
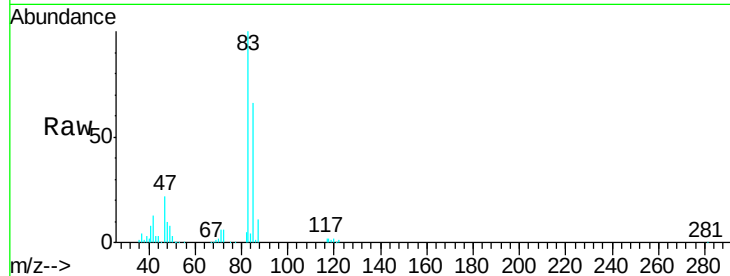


#27
Chloroform
Concen: 1.824 ug/l
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

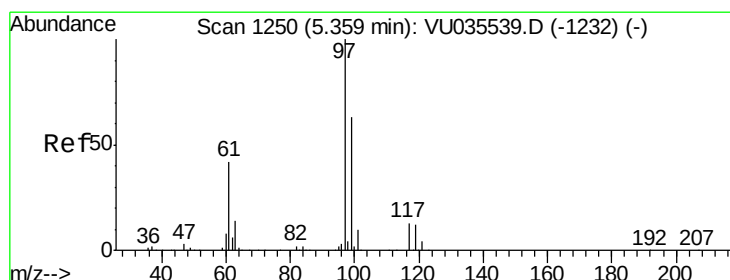
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	80640		
85	66.4	0.0	130.6	

Manual Integrations
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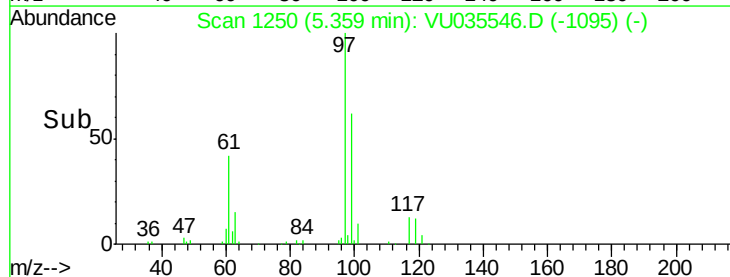
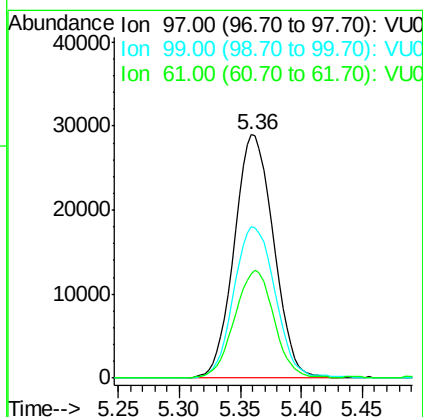
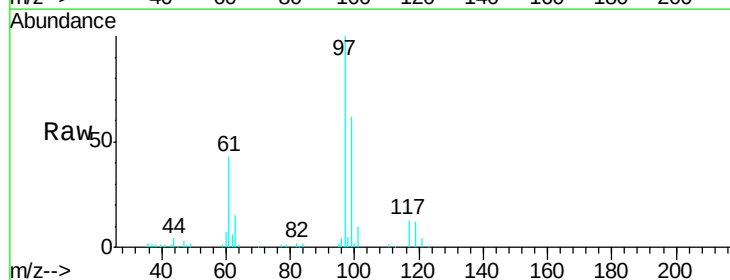
MMDadoda

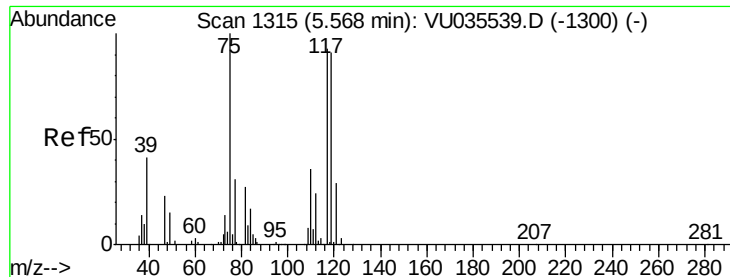
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#28
1,1,1-Trichloroethane
Concen: 1.852 ug/l
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	64897		
99	65.5	32.6	97.7	
61	44.4	21.8	65.4	





#29

1,1-Dichloropropene

Concen: 1.815 ug/l

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

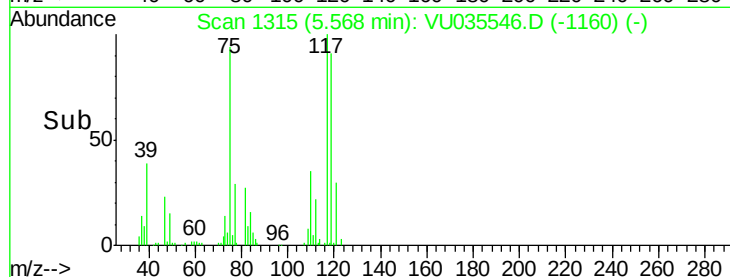
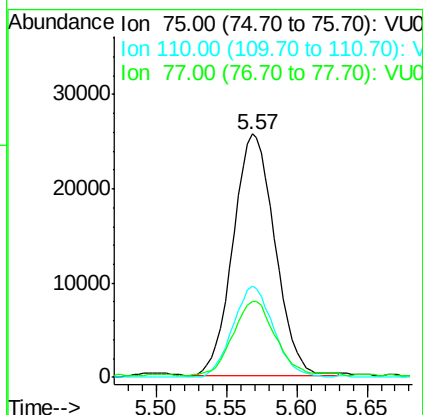
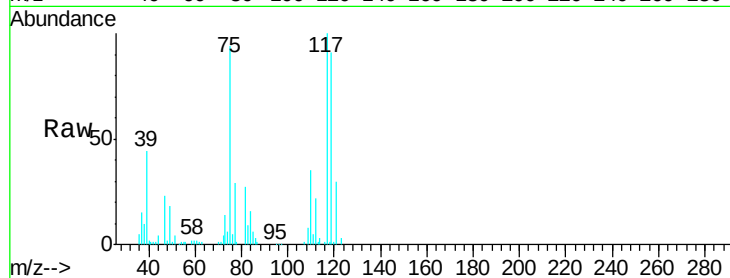
MSVOA_U

ClientSampleId :

VN1029WBSD01

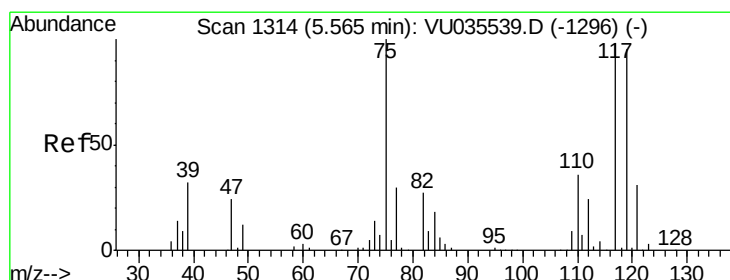
Tgt Ion:	75	Resp:	53316
Ion Ratio	Lower	Upper	
75	100		
110	36.6	18.3	54.8
77	30.7	24.6	37.0

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#30

Carbon Tetrachloride

Concen: 1.850 ug/l

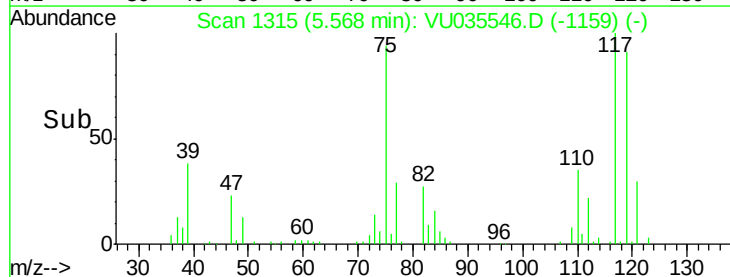
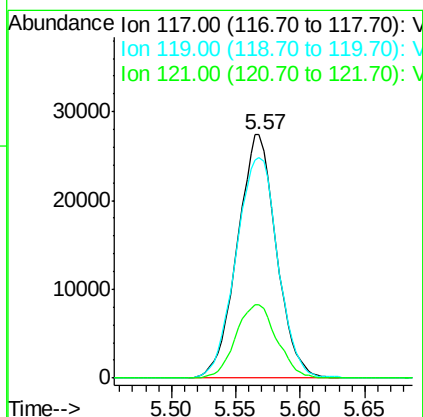
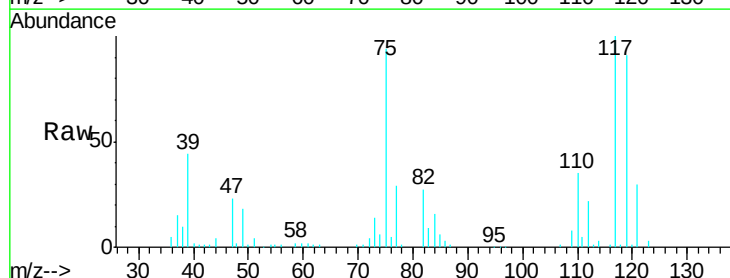
RT: 5.57 min Scan# 1315

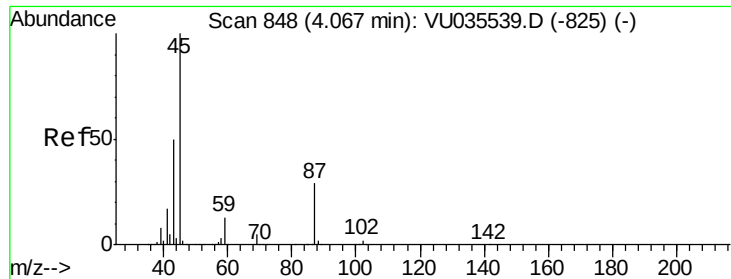
Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Tgt Ion:	117	Resp:	57659
Ion Ratio	Lower	Upper	
117	100		
119	90.7	77.3	115.9
121	30.4	25.2	37.8





#31

Isopropyl Ether

Concen: 1.811 ug/l

RT: 4.07 min Scan# 848

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBSD01

Tgt Ion: 45 Resp: 104671

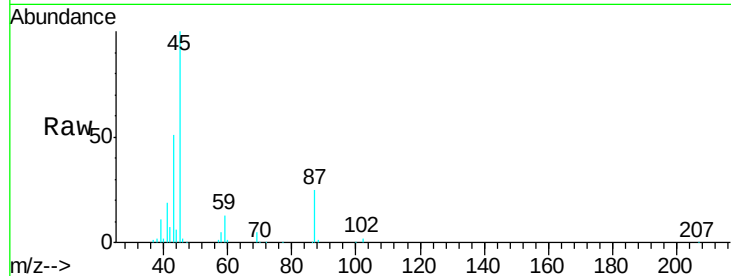
Ion Ratio Lower Upper

45 100

43 52.8 25.3 75.8

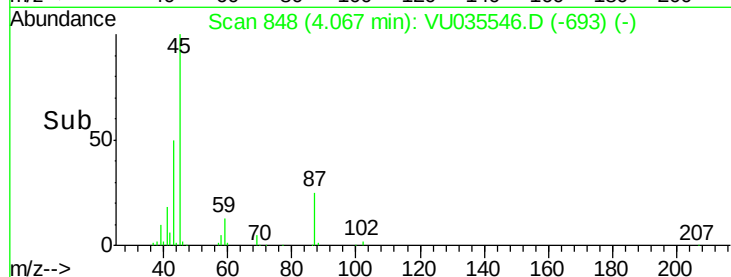
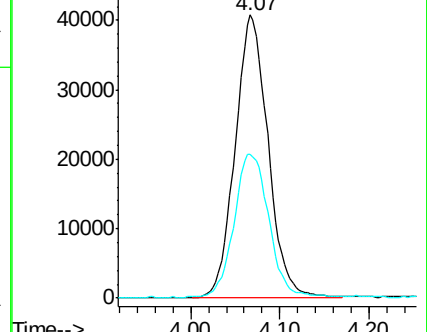
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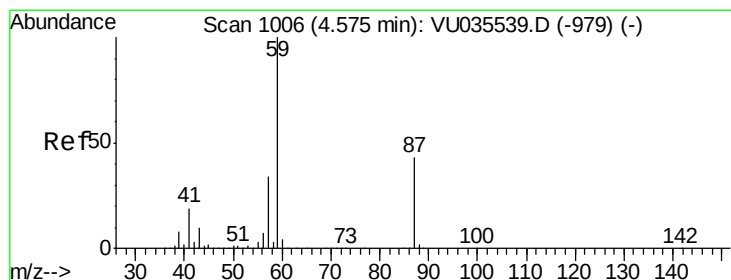
Abundance Ion 45.00 (44.70 to 45.70): VU035539.D (-825) (-)

Ion 43.00 (42.70 to 43.70): VU035539.D (-825) (-)



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#32

Ethyl-t-butyl ether

Concen: 1.765 ug/l

RT: 4.57 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VU035546.D

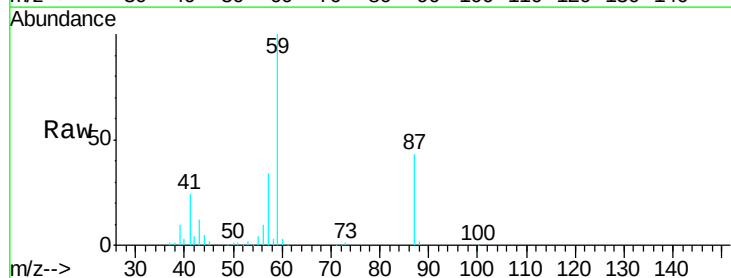
Acq: 29 Oct 2019 18:54

Tgt Ion: 59 Resp: 94480

Ion Ratio Lower Upper

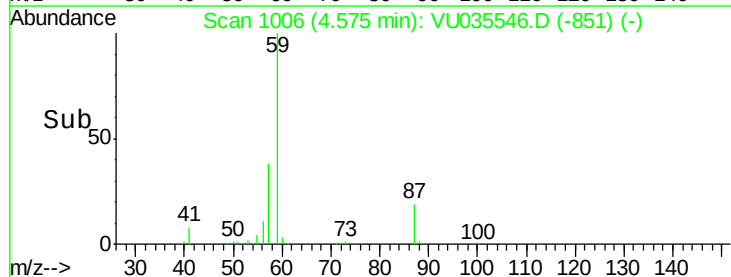
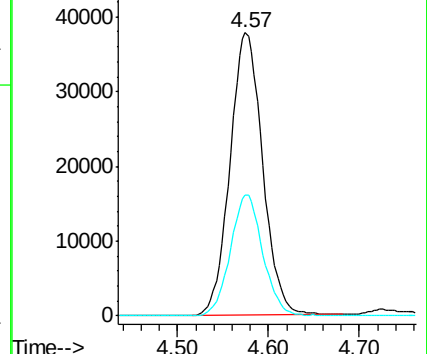
59 100

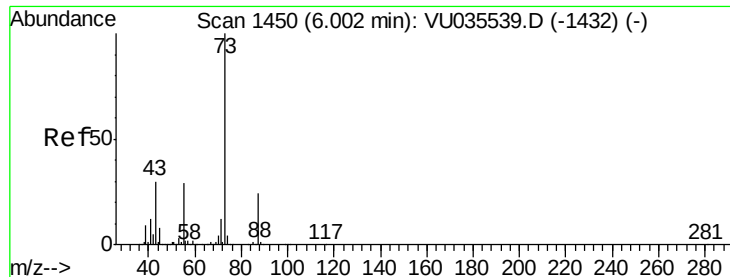
87 41.8 33.9 50.9



Abundance Ion 59.00 (58.70 to 59.70): VU035539.D (-979) (-)

Ion 87.00 (86.70 to 87.70): VU035539.D (-979) (-)





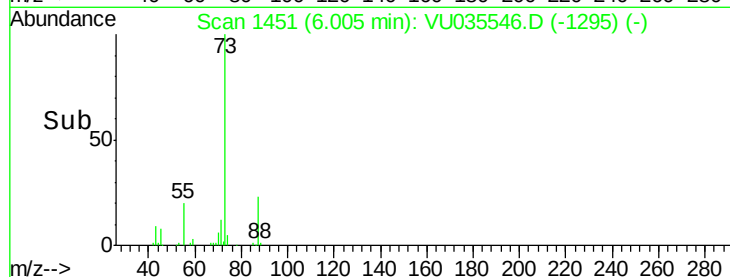
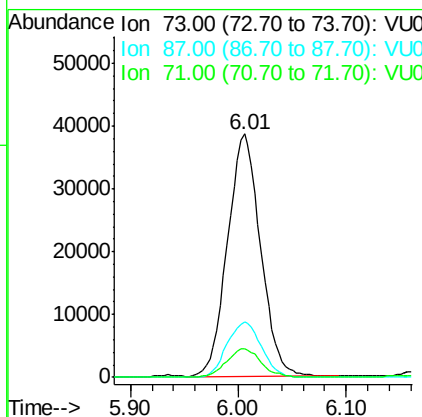
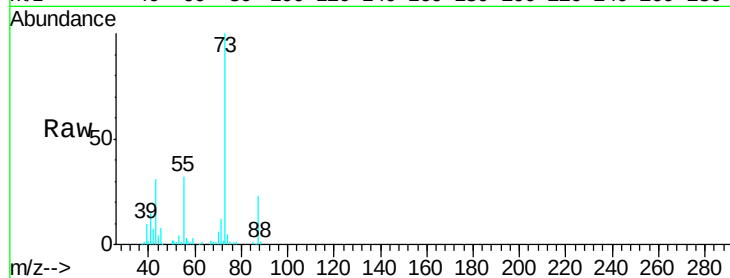
#33

Tert-Amyl methyl ether
 Concen: 1.792 ug/l
 RT: 6.01 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBSD01

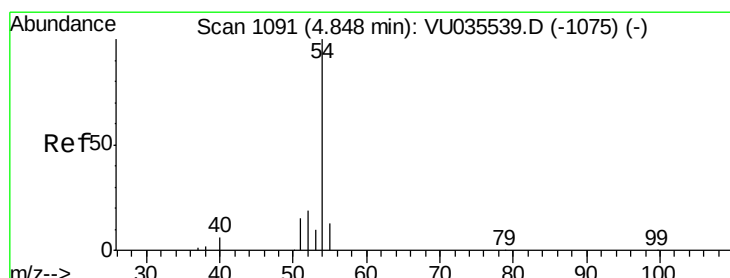
Tgt Ion	Ratio	Lower	Upper
73	100		
87	23.8	19.5	29.3
71	12.3	9.4	14.2

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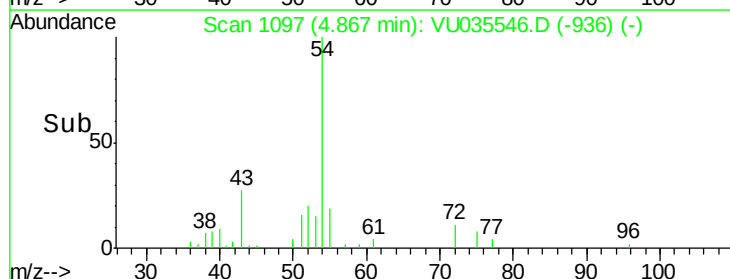
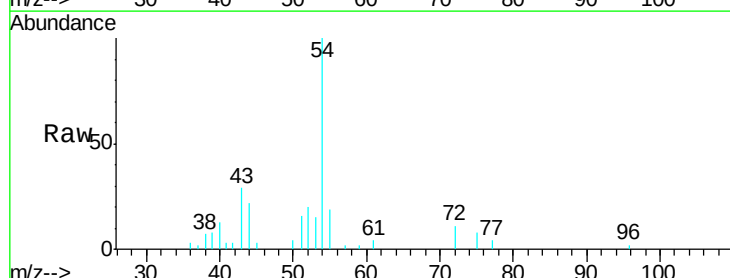
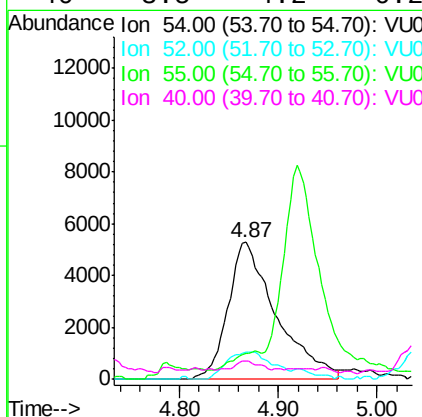
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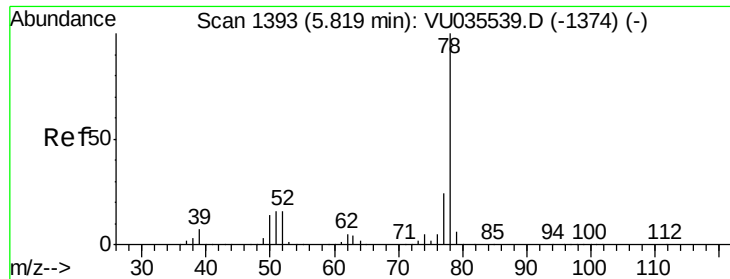


#34

Propionitrile
 Concen: 9.778 ug/l
 RT: 4.87 min Scan# 1097
 Delta R.T. 0.02 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.8	14.6	21.8
55	7.4	11.7	17.5#
40	3.5	4.2	6.2#





#35

Benzene

Concen: 1.864 ug/l

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBSD01

Tgt Ion: 78 Resp: 167149

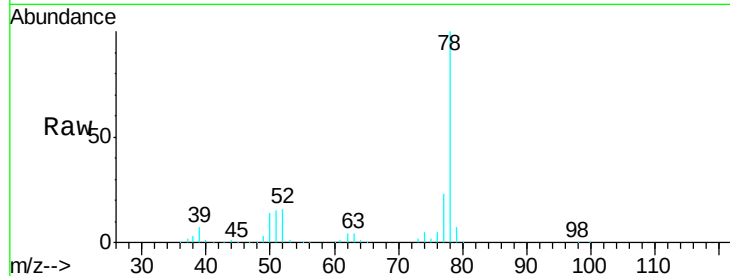
Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.4

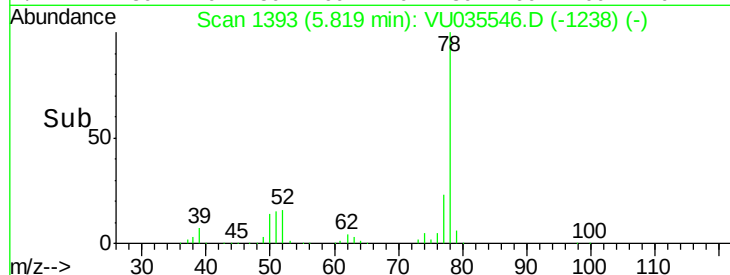
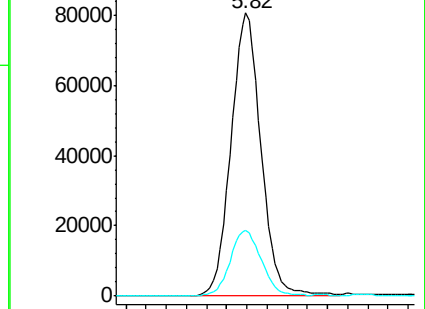
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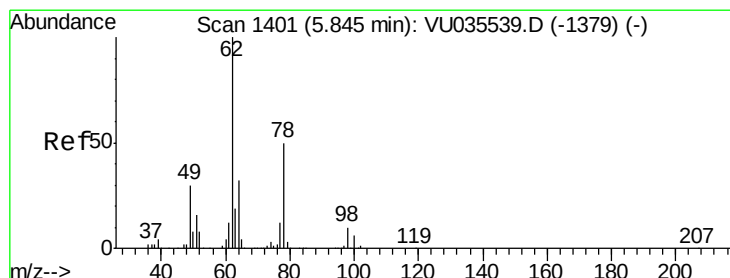
Abundance Ion 78.10 (77.80 to 78.80): VU035539.D (-1374) (-)

Ion 77.00 (76.70 to 77.70): VU035539.D (-1374) (-)



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#36

1,2-Dichloroethane

Concen: 1.885 ug/l

RT: 5.84 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VU035546.D

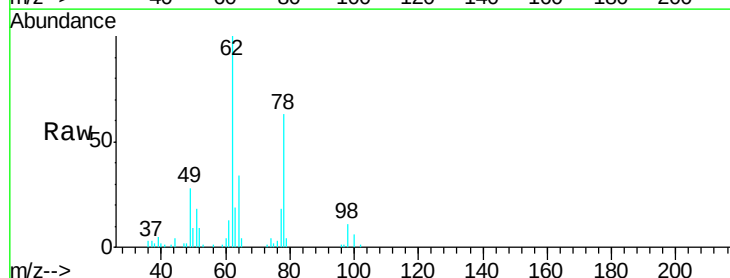
Acq: 29 Oct 2019 18:54

Tgt Ion: 62 Resp: 48420

Ion Ratio Lower Upper

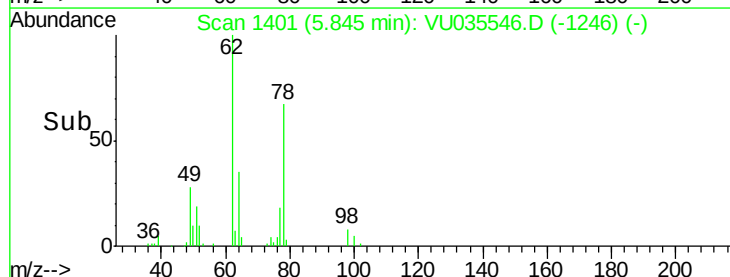
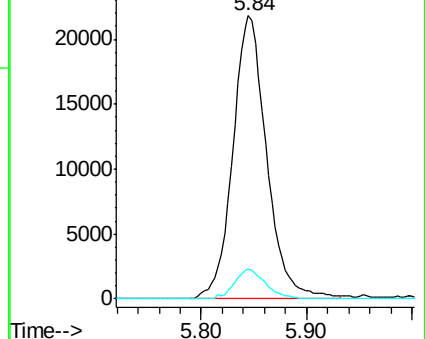
62 100

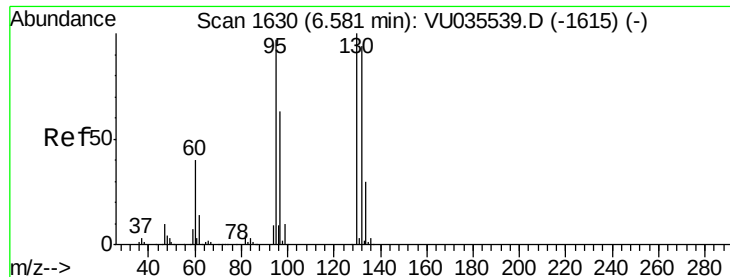
98 9.7 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU035539.D (-1379) (-)

Ion 98.00 (97.70 to 98.70): VU035539.D (-1379) (-)



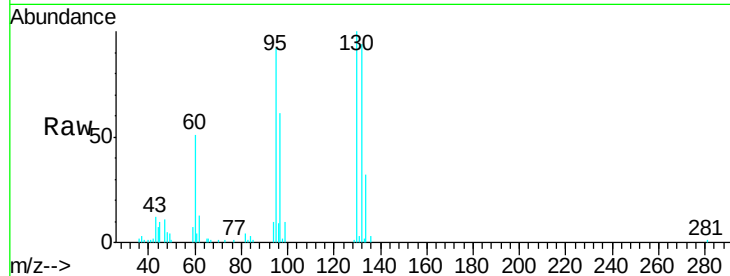


#37
 Trichloroethene
 Concen: 1.810 ug/l
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

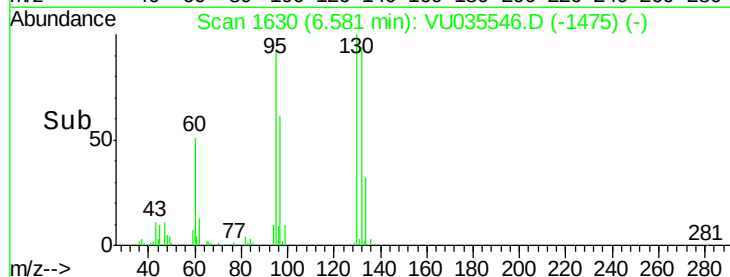
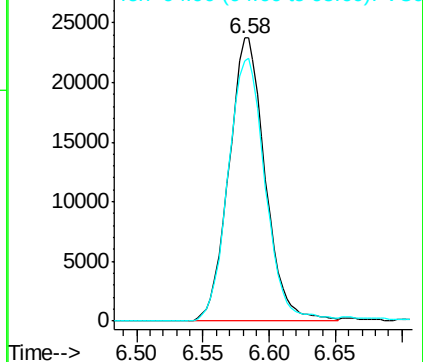
Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBSD01

Tgt Ion: 130 Resp: 45069
 Ion Ratio Lower Upper
 130 100
 95 92.0 77.5 116.3

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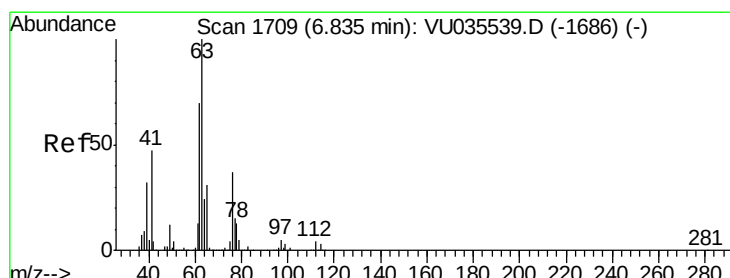


Abundance Ion 129.90 (129.60 to 130.60): VU035539.D (-1615) (-)
 Ion 94.90 (94.60 to 95.60): VU035539.D (-1615) (-)



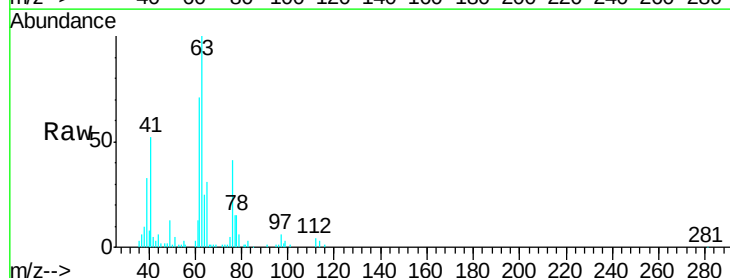
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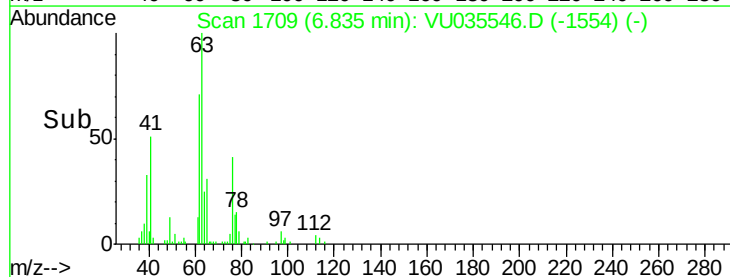
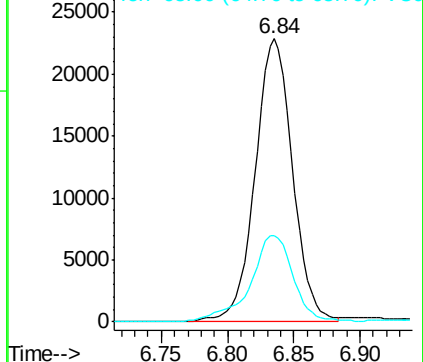


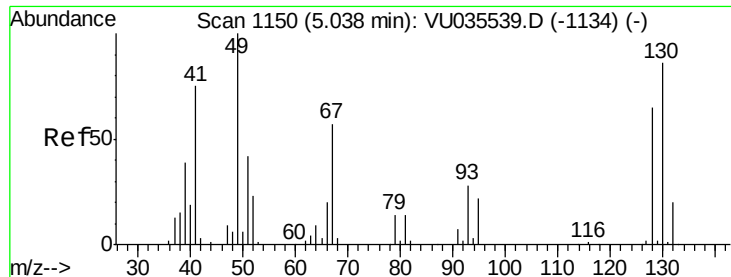
#38
 1,2-Dichloropropane
 Concen: 1.835 ug/l
 RT: 6.84 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion: 63 Resp: 45109
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.6



Abundance Ion 63.00 (62.70 to 63.70): VU035539.D (-1686) (-)
 Ion 65.00 (64.70 to 65.70): VU035539.D (-1686) (-)



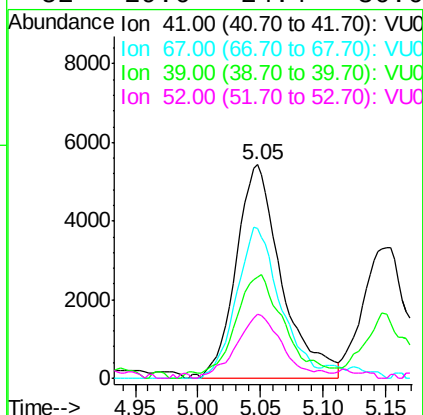
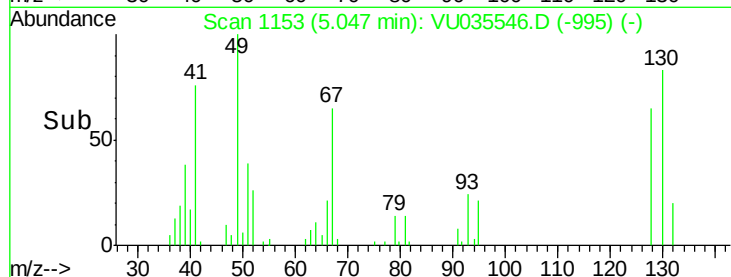
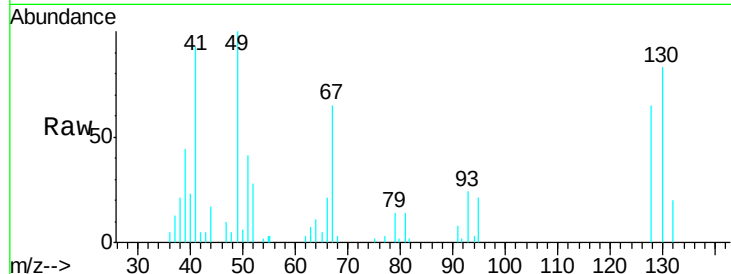


#39
Methacrylonitrile
Concen: 1.986 ug/l
RT: 5.05 min Scan# 1153
Delta R.T. 0.01 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

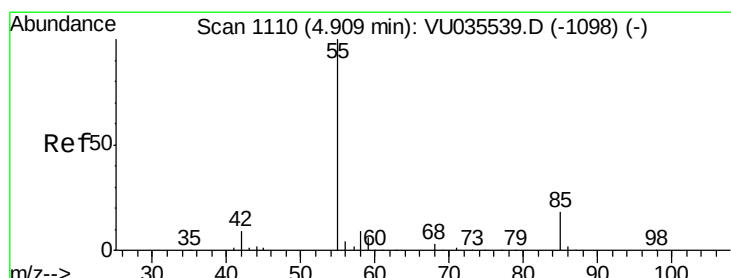
Tgt Ion	Ratio	Lower	Upper
41	100		
67	67.9	61.5	92.3
39	46.9	41.3	61.9
52	29.6	24.4	36.6

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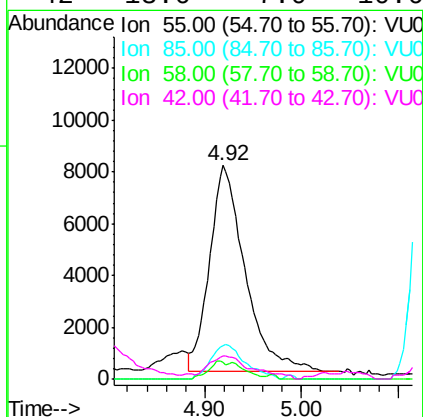
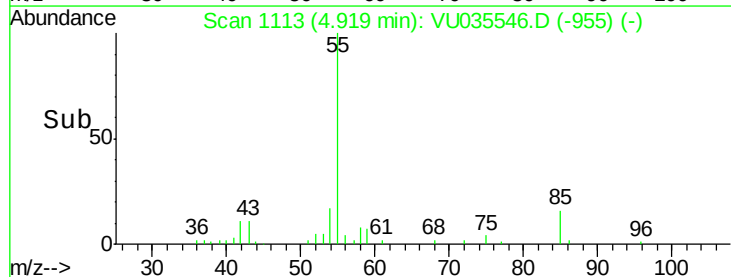
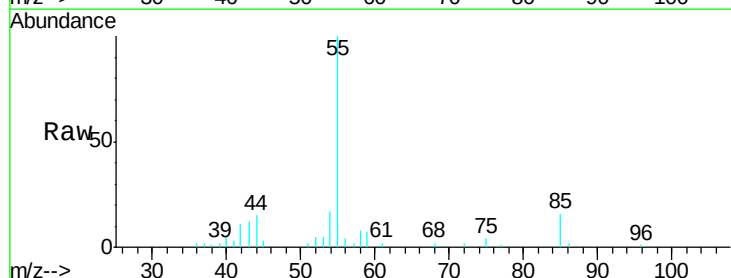
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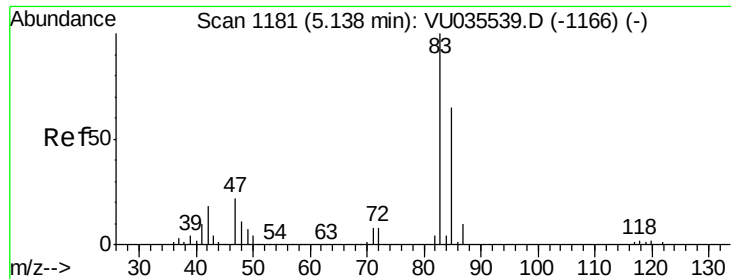
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#40
Methyl acrylate
Concen: 1.935 ug/l
RT: 4.92 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
55	100		
85	16.1	13.5	20.3
58	4.2	6.6	10.0#
42	13.6	7.0	10.6#





#41

Tetrahydrofuran

Concen: 3.867 ug/l

RT: 5.15 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

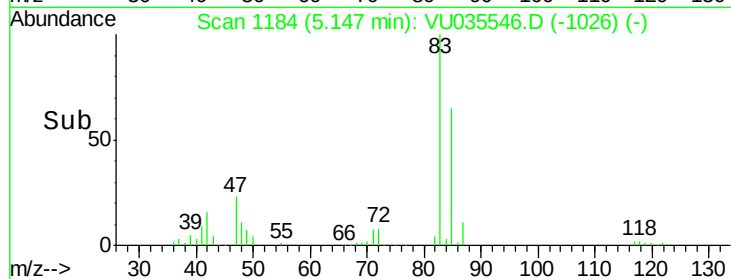
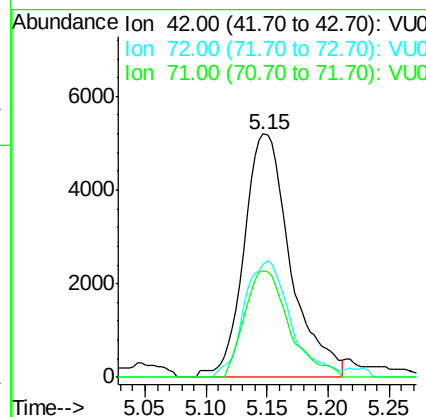
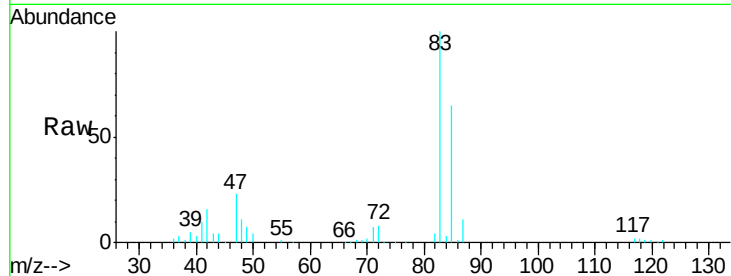
MSVOA_U

ClientSampleId :

VN1029WBSD01

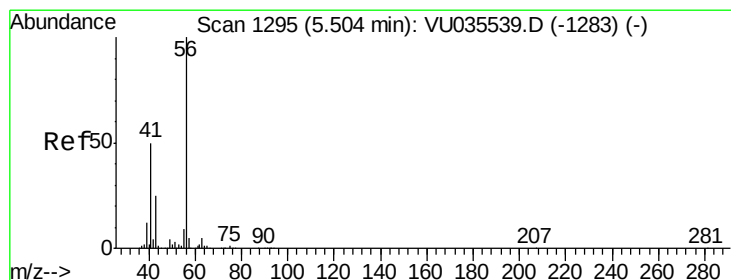
Tgt Ion:	42	Resp:	13718
Ion Ratio	Lower	Upper	
42	100		
72	47.8	89.9	134.9#
71	42.0	3.7	5.5#

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#42

1-Chlorobutane

Concen: 1.750 ug/l

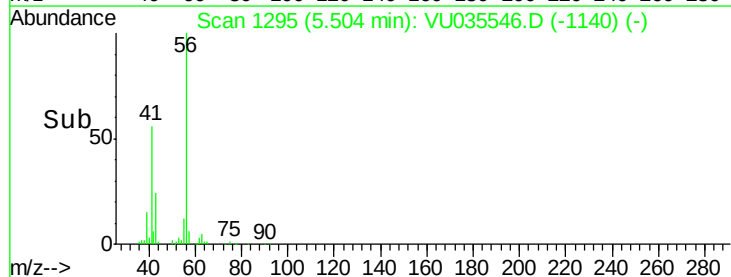
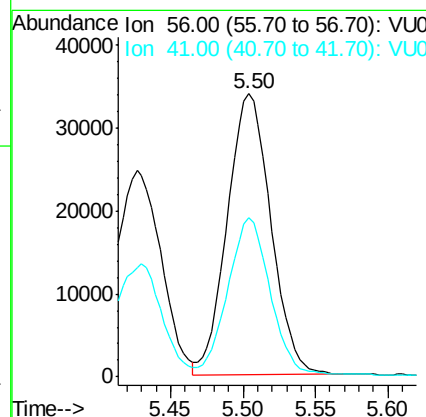
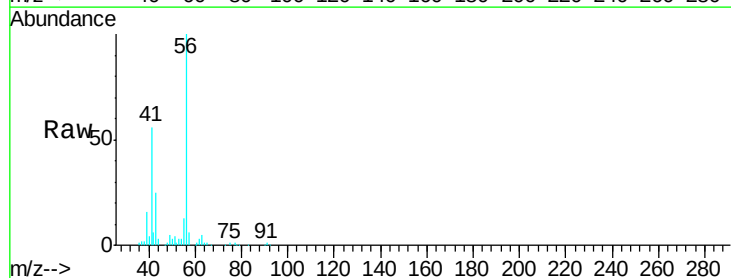
RT: 5.50 min Scan# 1295

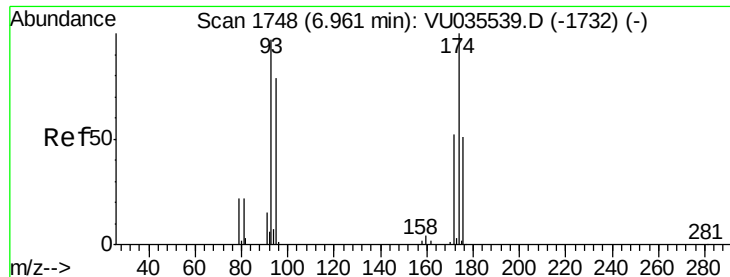
Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Tgt Ion:	56	Resp:	70757
Ion Ratio	Lower	Upper	
56	100		
41	53.5	25.5	76.5





#43

Dibromomethane

Concen: 1.914 ug/l

RT: 6.96 min Scan# 1749

Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

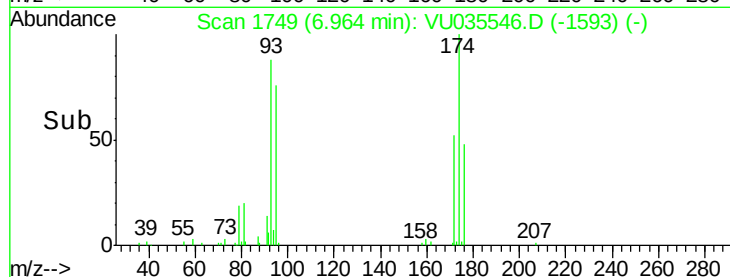
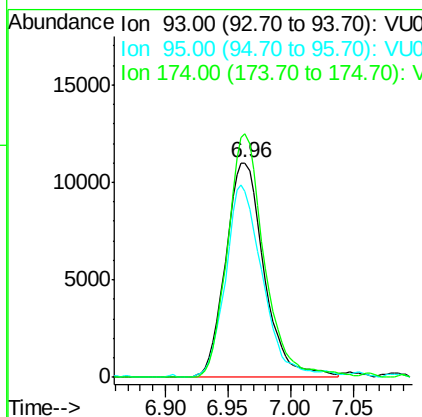
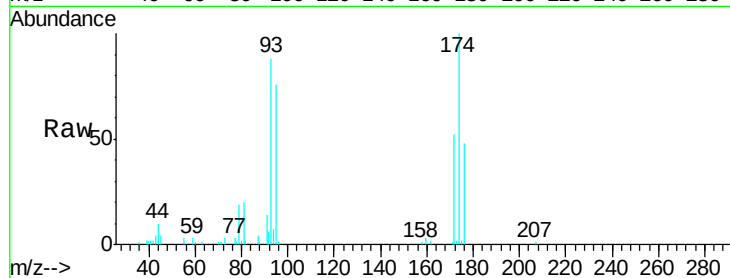
MSVOA_U

ClientSampleId :

VN1029WBSD01

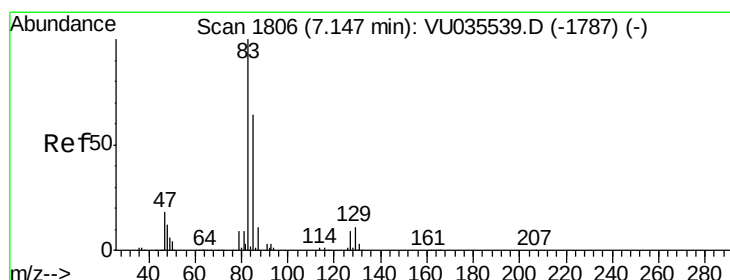
Tgt Ion:	93	Resp:	23506
Ion	Ratio	Lower	Upper
93	100		
95	85.4	65.1	97.7
174	108.6	84.2	126.4

Manual Integrations
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#44

Bromodichloromethane

Concen: 1.877 ug/l

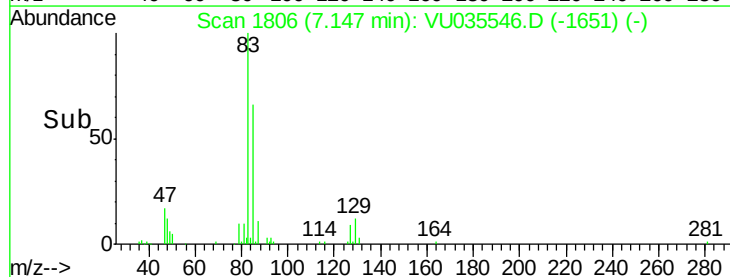
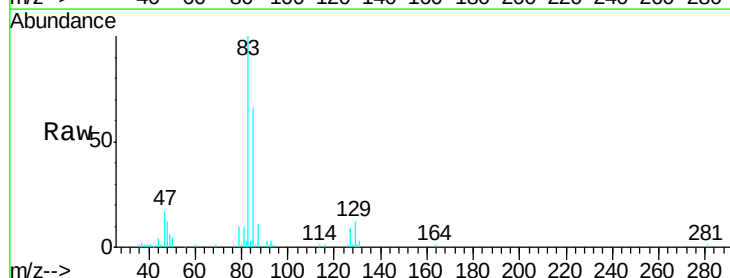
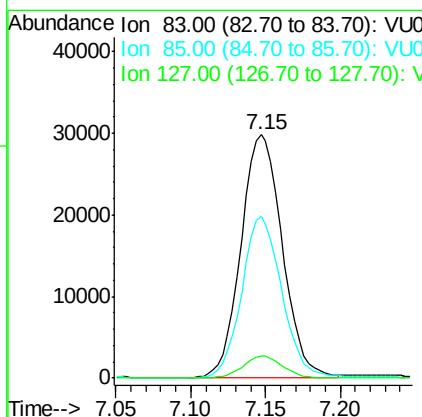
RT: 7.15 min Scan# 1806

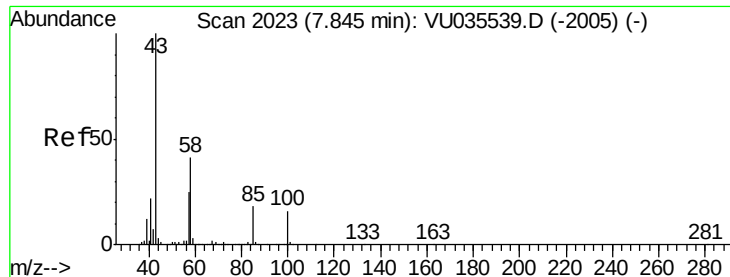
Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Tgt Ion:	83	Resp:	57450
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.6	77.4
127	9.2	7.0	10.4



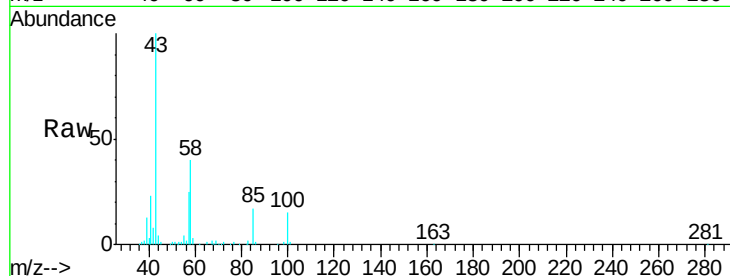


#45
 4-Methyl-2-Pentanone
 Concen: 9.188 ug/l
 RT: 7.85 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampleID :
 VN1029WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	120330		
58	38.9	20.6	61.8	
85	16.9	14.5	21.7	

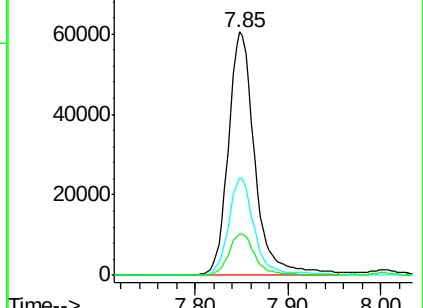
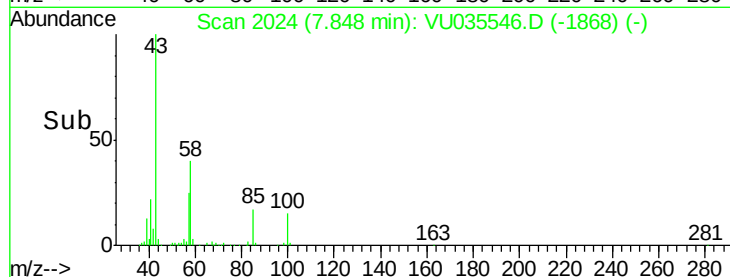
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Abundance

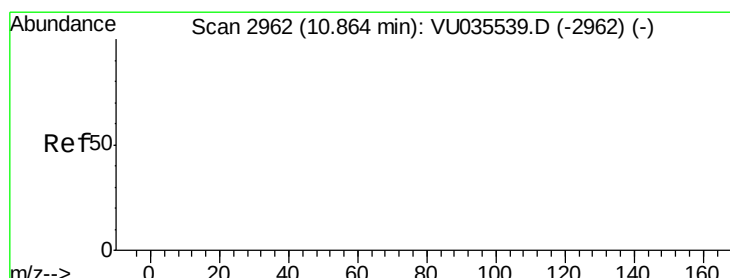
Ion 43.00 (42.70 to 43.70): VU035539.D (-2005) (-)

Time-->



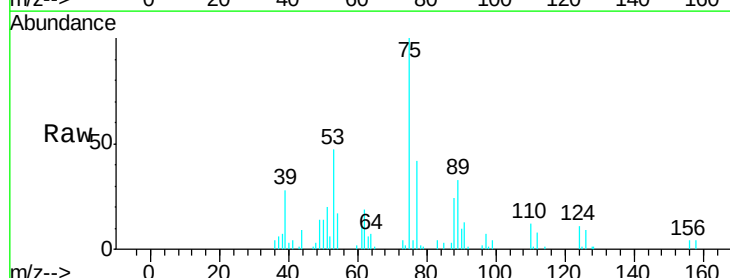
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#46
 t-1,4-Dichloro-2-butene
 Concen: 2.991 ug/l m
 RT: 10.87 min Scan# 2965
 Delta R.T. 0.01 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

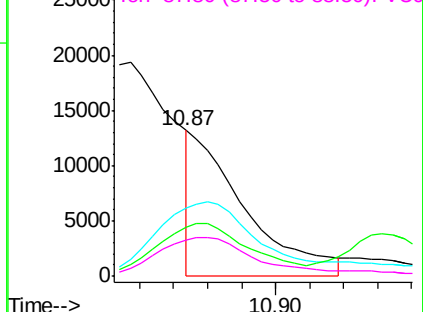
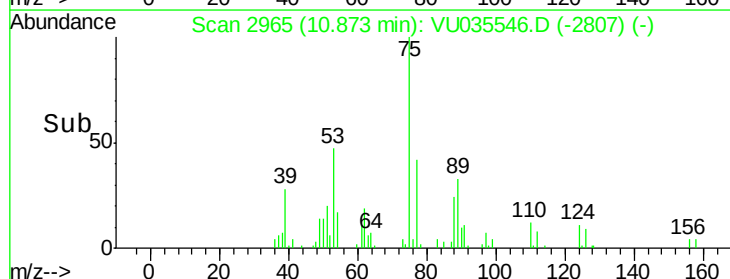
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14234		
53	97.9	54.1	81.1#	
89	64.2	38.2	57.4#	
88	52.8	30.6	45.8#	

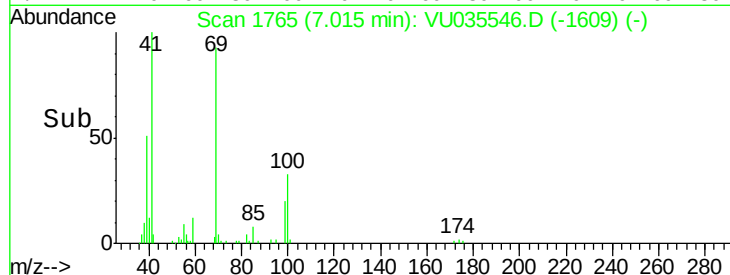
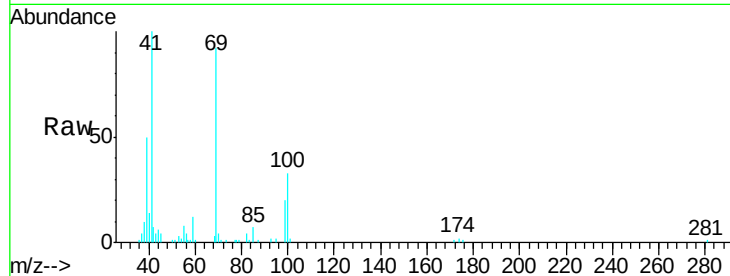
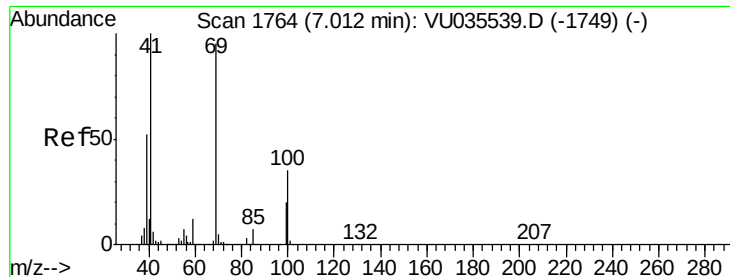


Abundance

Ion 74.90 (74.60 to 75.60): VU035539.D (-2962) (-)

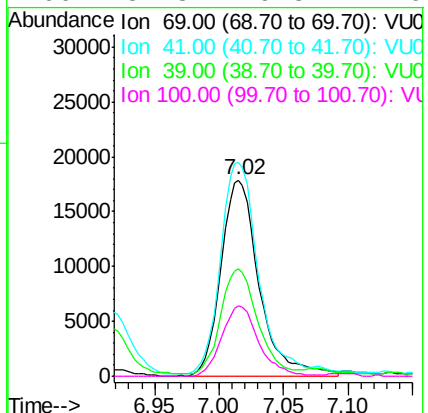
Time-->





#47
Methyl methacrylate
Concen: 3.622 ug/l
RT: 7.02 min Scan# 1765
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		36837		
41	104.7	0.0	216.8		
39	52.0	45.1	67.7		
100	34.8	29.8	44.6		

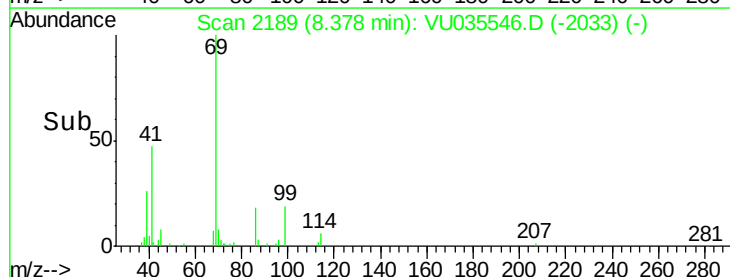
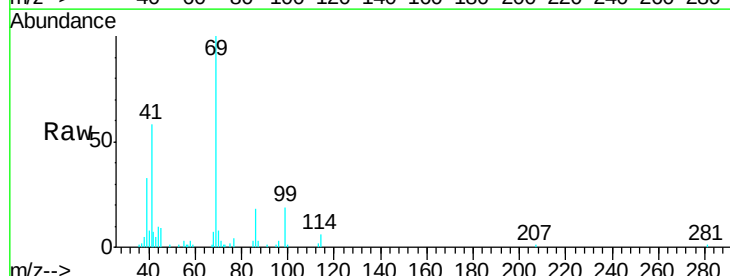
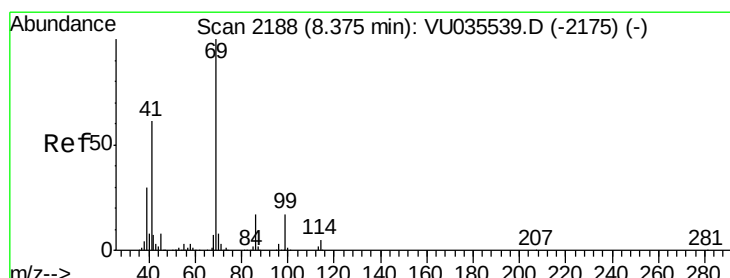


Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

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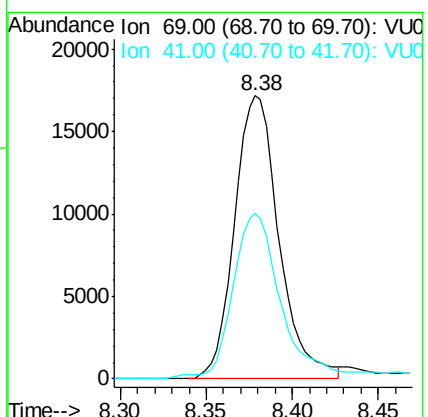
MMDadoda

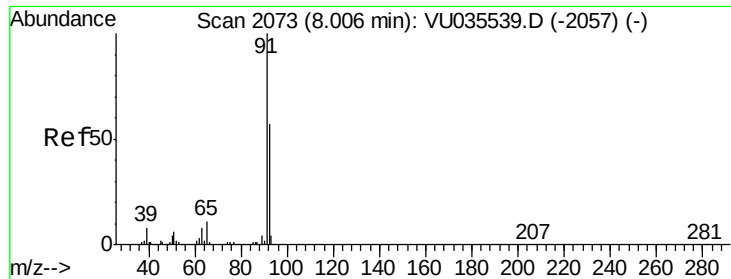
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#48
Ethyl methacrylate
Concen: 1.738 ug/l
RT: 8.38 min Scan# 2189
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		30887		
41	62.4	30.4	91.2		





#49

Toluene

Concen: 1.836 ug/l

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBSD01

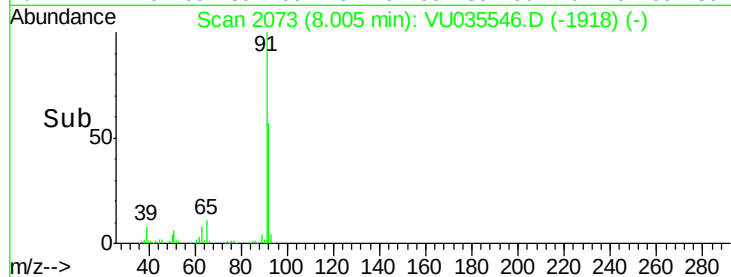
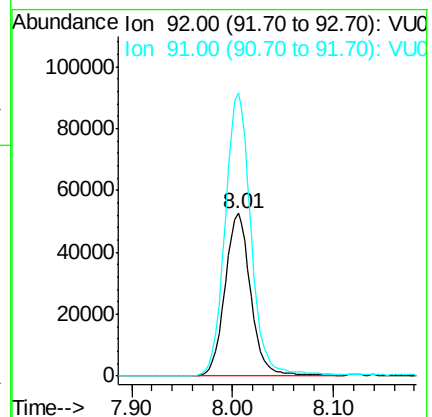
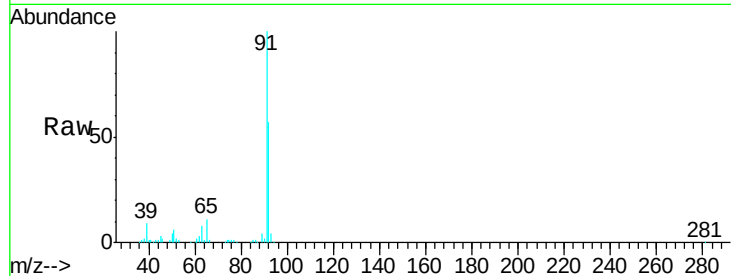
Tgt Ion: 92 Resp: 94667

Ion Ratio Lower Upper

92 100

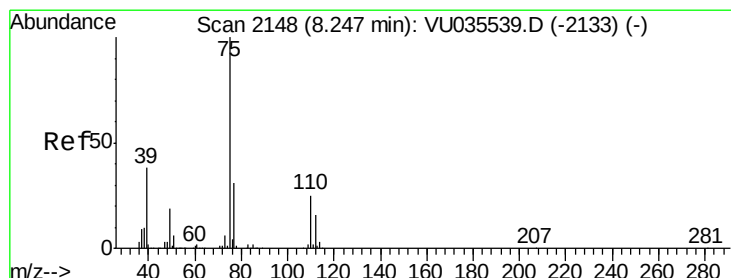
91 173.4 141.4 212.0

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#50

t-1,3-Dichloropropene

Concen: 1.827 ug/l

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035546.D

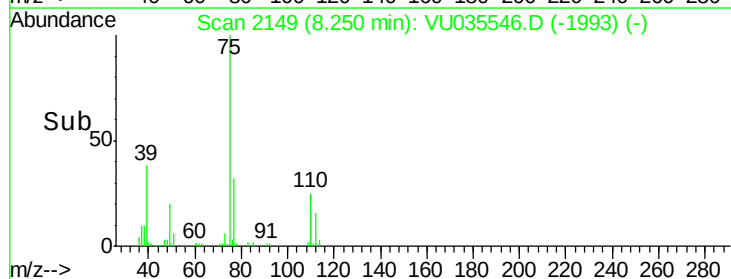
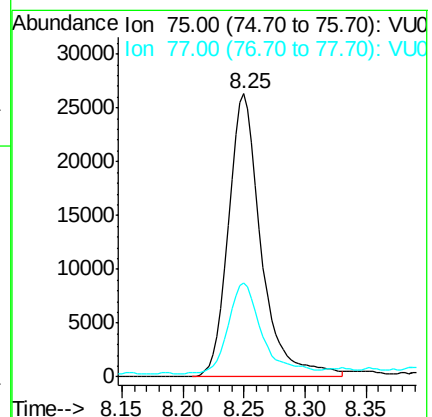
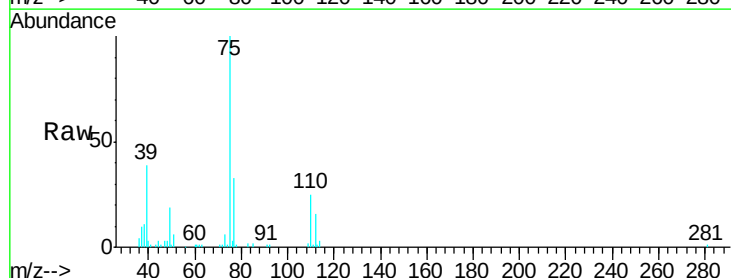
Acq: 29 Oct 2019 18:54

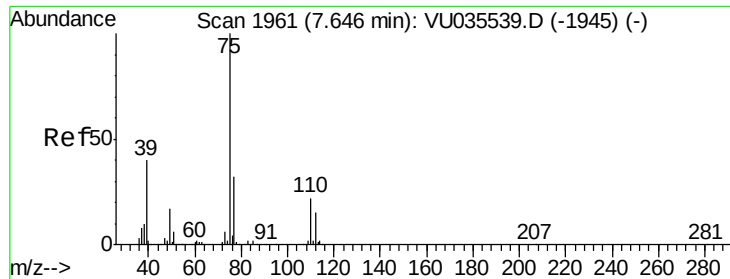
Tgt Ion: 75 Resp: 49507

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8





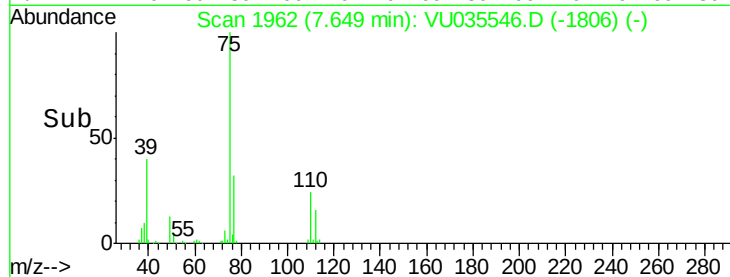
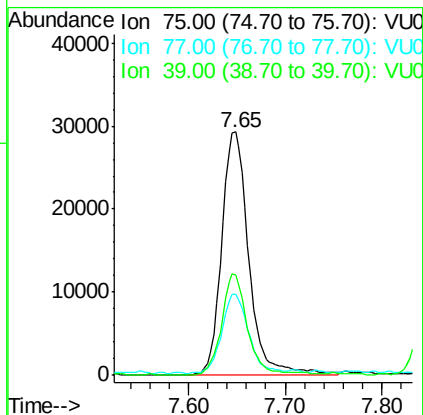
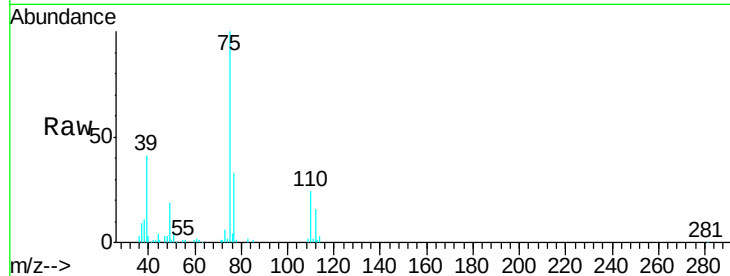
#51

cis-1,3-Dichloropropene
Concen: 1.787 ug/l
RT: 7.65 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

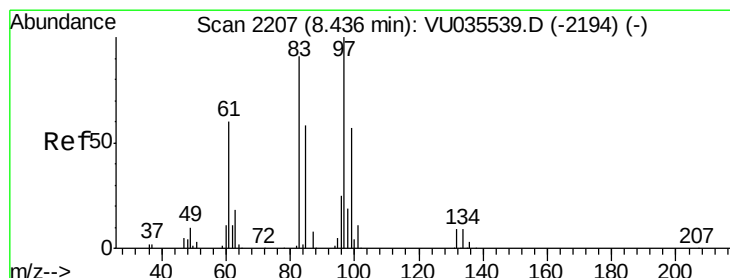
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.2	37.8
39	41.2	32.1	48.1

Manual Integrations
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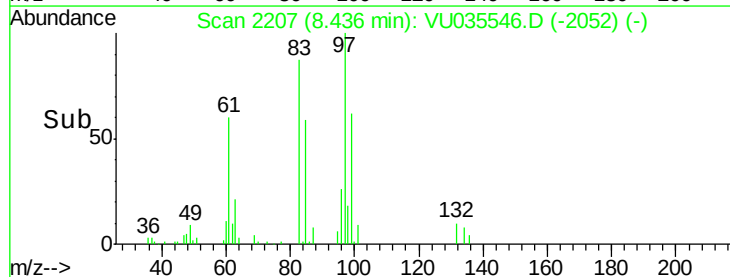
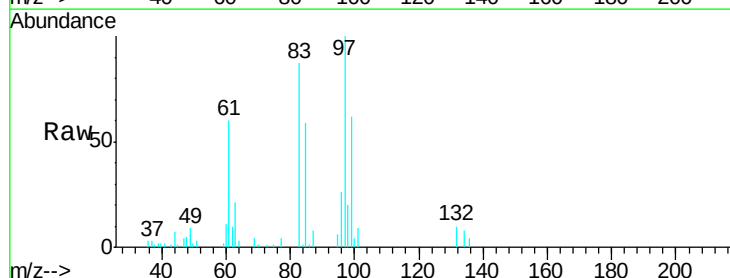
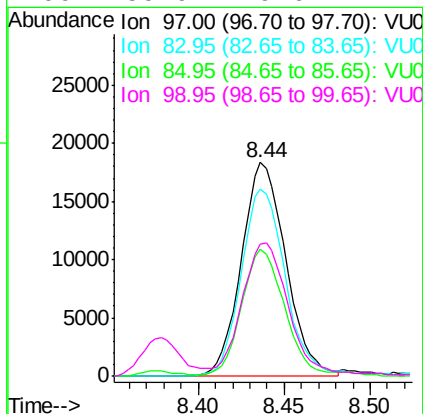
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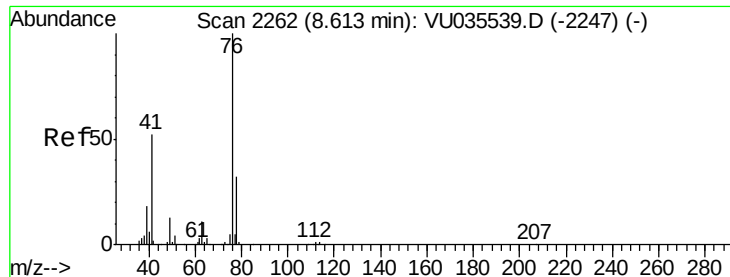


#52

1,1,2-Trichloroethane
Concen: 1.909 ug/l
RT: 8.44 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	72.6	108.8
85	58.2	46.4	69.6
99	59.9	49.6	74.4





#53

1,3-Dichloropropane

Concen: 1.849 ug/l

RT: 8.61 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBSD01

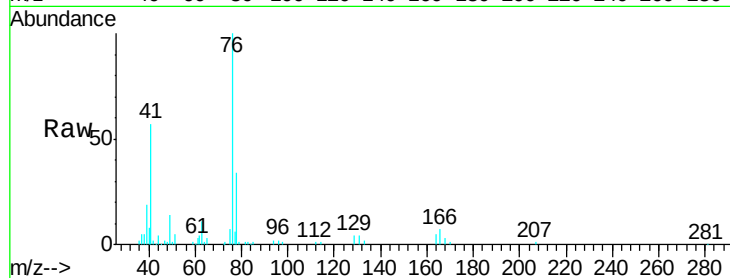
Tgt Ion: 76 Resp: 53948

Ion Ratio Lower Upper

76 100

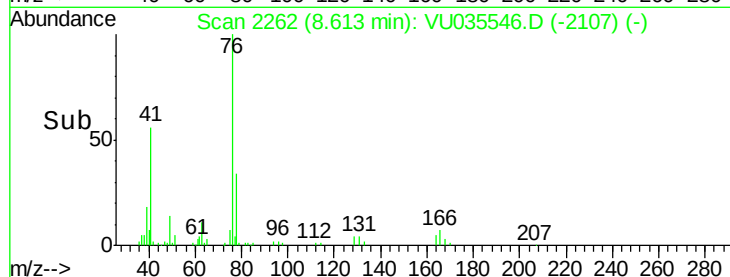
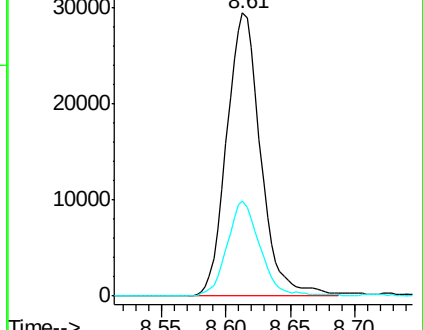
78 32.5 25.6 38.4

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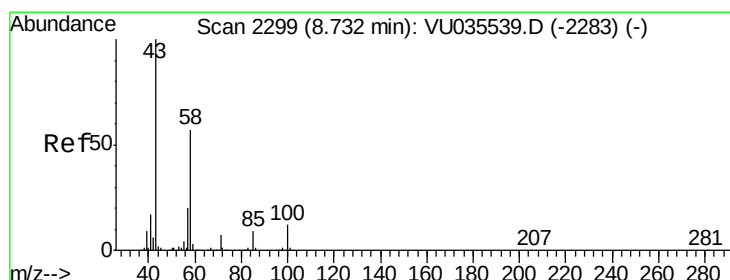
Abundance Ion 76.00 (75.70 to 76.70): VU035539.D (-2247) (-)

Ion 78.00 (77.70 to 78.70): VU035539.D (-2247) (-)



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#54

2-Hexanone

Concen: 8.374 ug/l

RT: 8.74 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

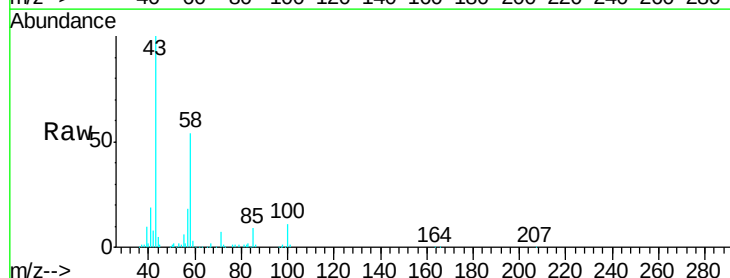
Tgt Ion: 43 Resp: 77934

Ion Ratio Lower Upper

43 100

58 52.2 37.2 77.2

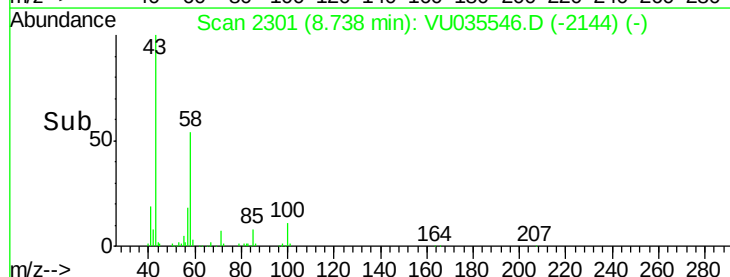
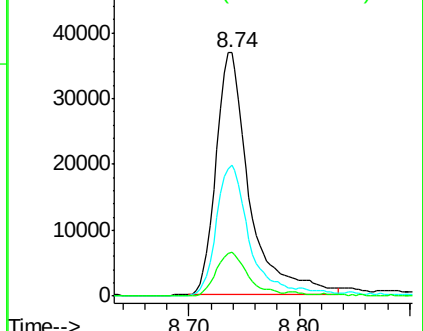
57 17.2 0.0 39.1

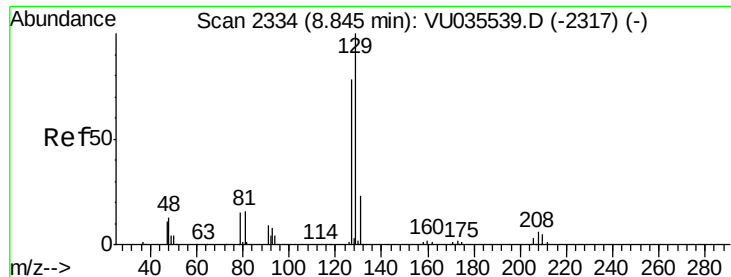


Abundance Ion 43.00 (42.70 to 43.70): VU035539.D (-2283) (-)

Ion 58.00 (57.70 to 58.70): VU035539.D (-2283) (-)

Ion 57.00 (56.70 to 57.70): VU035539.D (-2283) (-)





#55

Dibromochloromethane

Concen: 1.884 ug/l

RT: 8.84 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBSD01

Tgt Ion:129 Resp: 39593

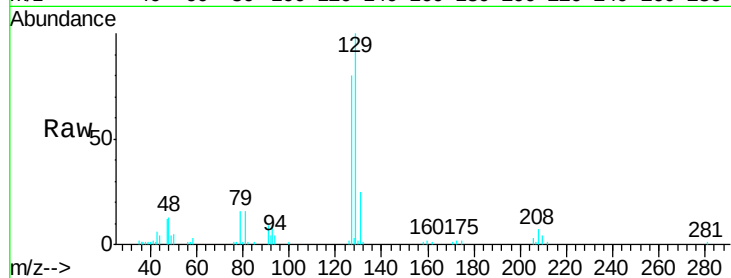
Ion Ratio Lower Upper

129 100

127 76.2 62.3 93.5

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.84

25000

20000

15000

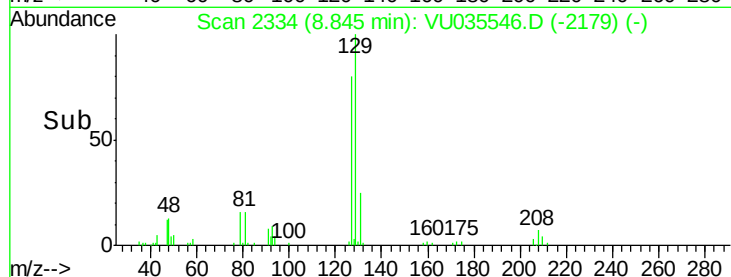
10000

5000

0

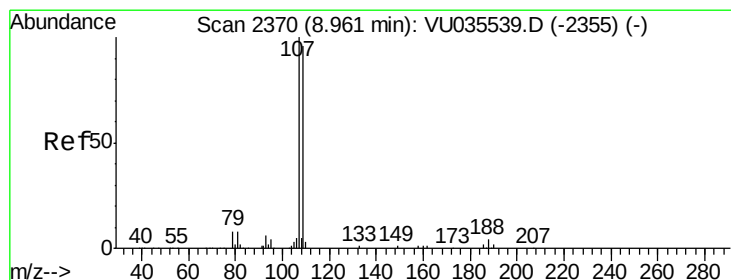
8.75 8.80 8.85 8.90 8.95

Time-->



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#56

1,2-Dibromoethane

Concen: 1.873 ug/l

RT: 8.96 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VU035546.D

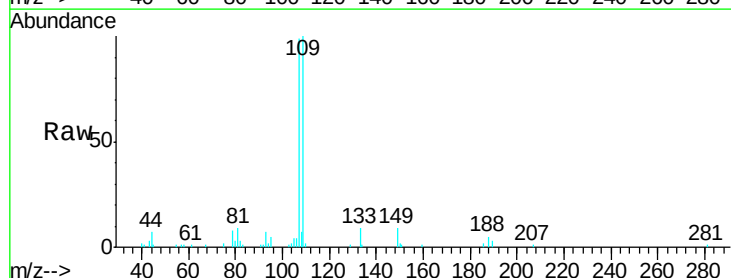
Acq: 29 Oct 2019 18:54

Tgt Ion:107 Resp: 29487

Ion Ratio Lower Upper

107 100

109 94.9 0.0 191.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.96

15000

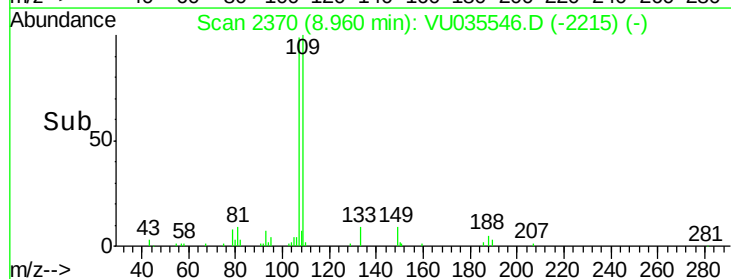
10000

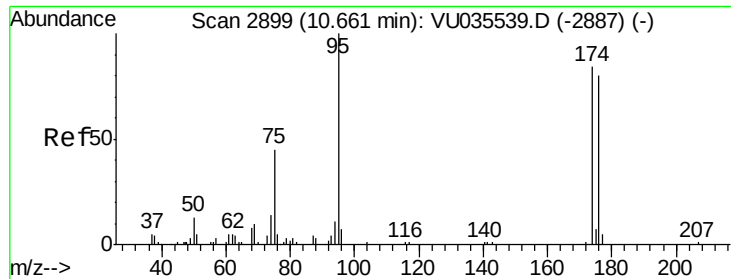
5000

0

8.90 8.95 9.00 9.05

Time-->



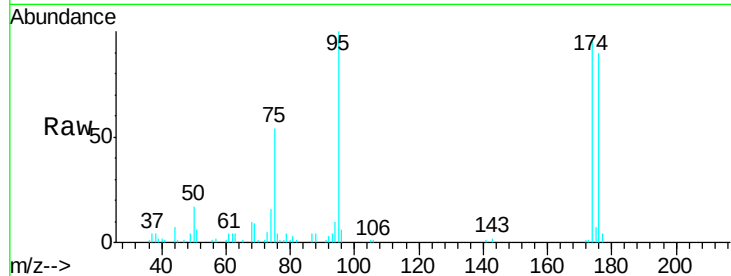


#57
4-Bromofluorobenzene
Concen: 0.975 ug/l
RT: 10.66 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

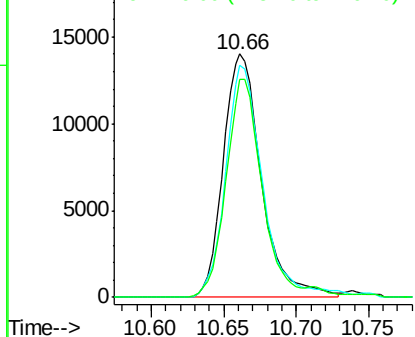
Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

Tgt Ion: 95 Resp: 25652
Ion Ratio Lower Upper
95 100
174 92.7 70.2 105.4
176 83.7 67.7 101.5

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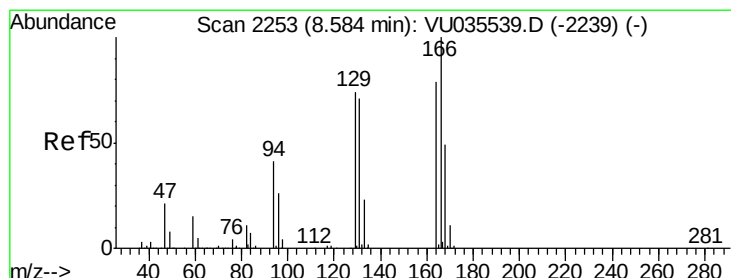
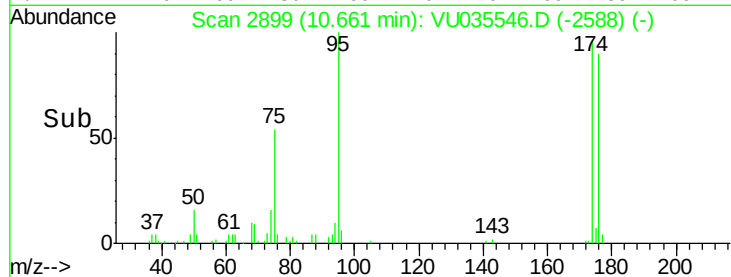


Abundance Ion 95.00 (94.70 to 95.70): VU
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V



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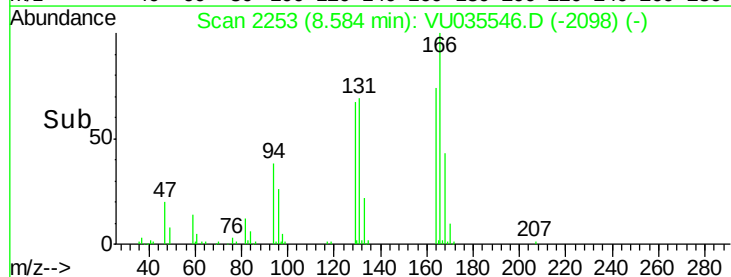
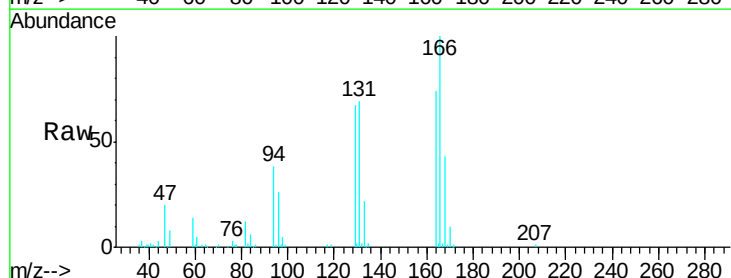
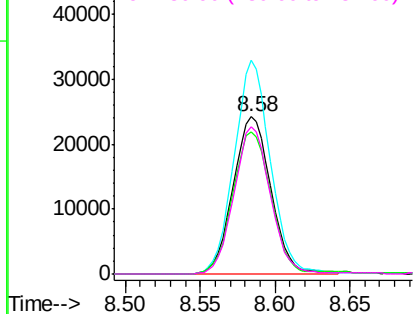
10/30/2019 10:39:23 AM

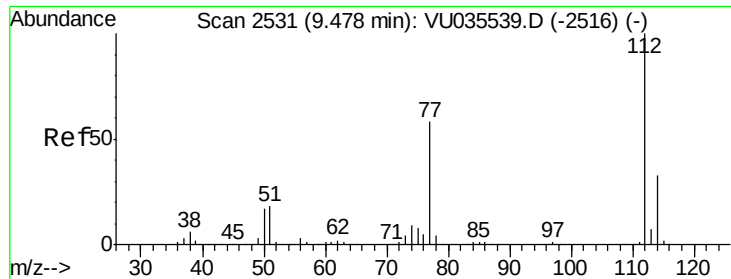


#58
Tetrachloroethene
Concen: 1.873 ug/l
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 164 Resp: 42764
Ion Ratio Lower Upper
164 100
166 135.7 100.6 151.0
129 90.5 74.1 111.1
131 93.7 71.1 106.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



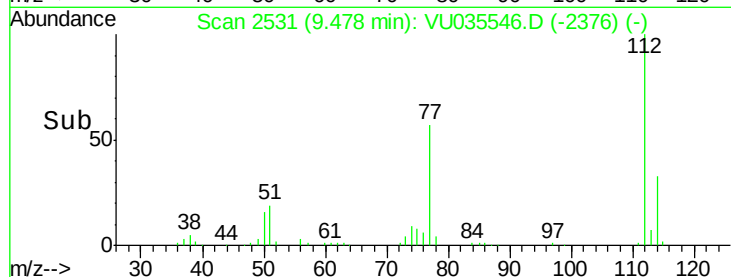
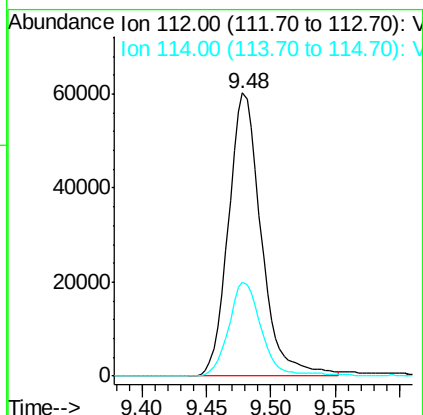
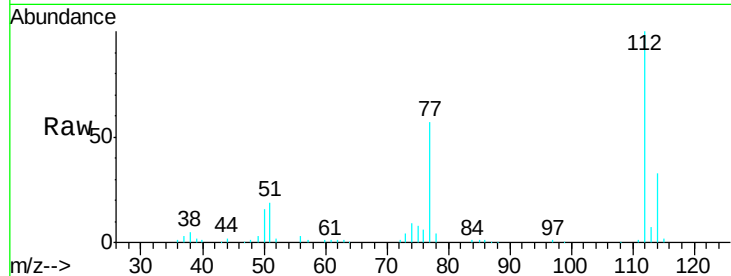


#59
 Chlorobenzene
 Concen: 1.796 ug/l
 RT: 9.48 min Scan# 2531
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBSD01

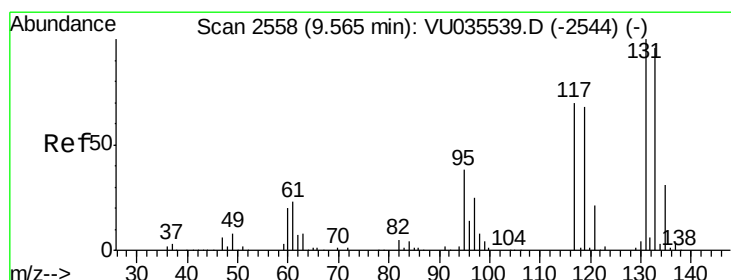
Tgt Ion:112 Resp: 106804
 Ion Ratio Lower Upper
 112 100
 114 33.3 26.5 39.7

Manual Integrations
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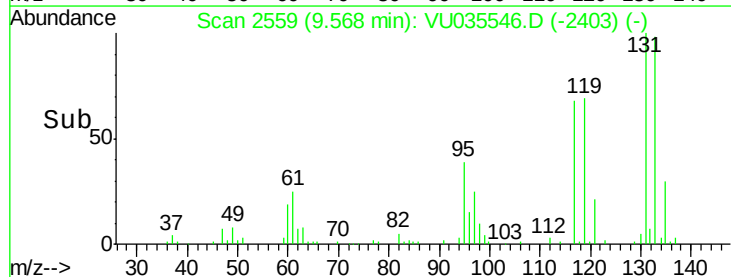
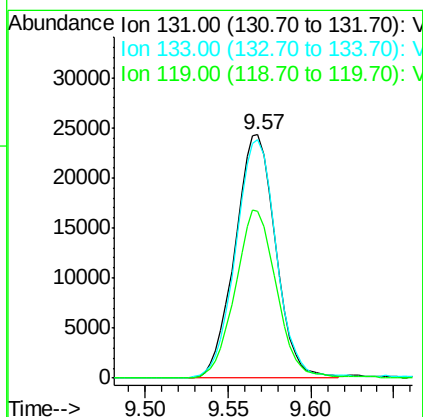
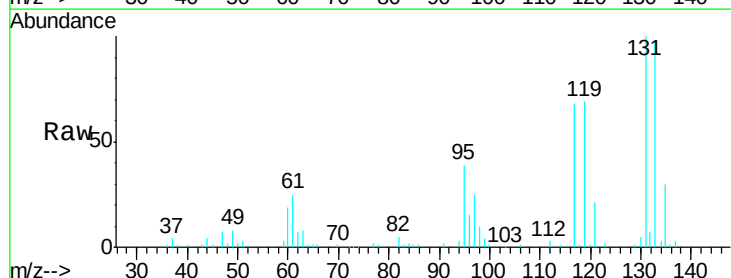
MMDadoda

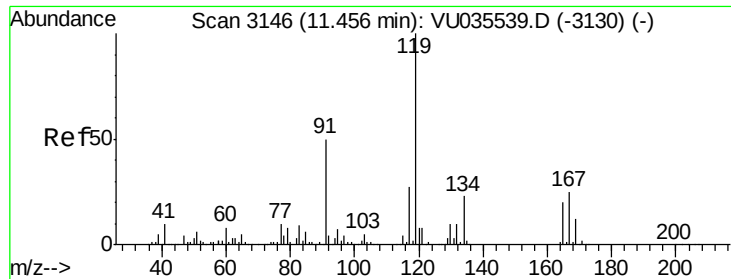
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#60
 1,1,1,2-Tetrachloroethane
 Concen: 1.814 ug/l
 RT: 9.57 min Scan# 2559
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion:131 Resp: 41467
 Ion Ratio Lower Upper
 131 100
 133 98.3 76.9 115.3
 119 69.8 53.6 80.4



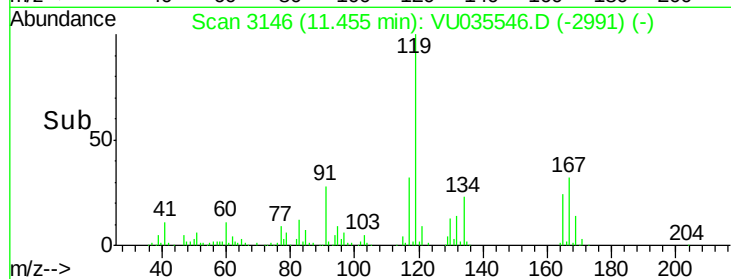
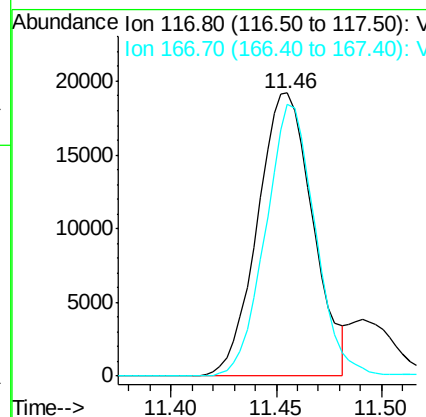
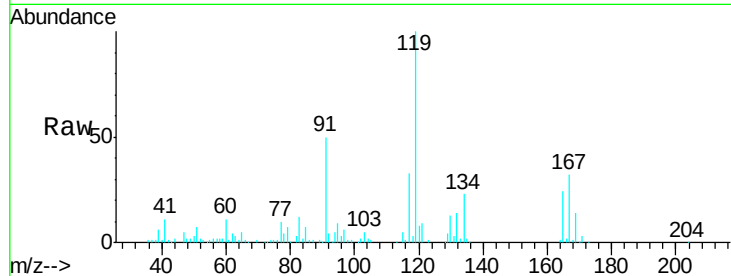


#61
 Pentachloroethane
 Concen: 1.880 ug/l
 RT: 11.46 min Scan# 3146
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBSD01

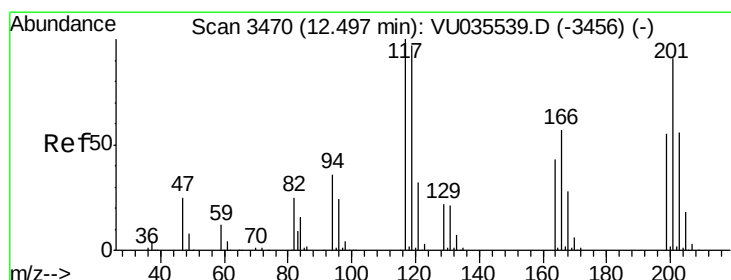
Tgt Ion:117 Resp: 35014
 Ion Ratio Lower Upper
 117 100
 167 86.6 69.8 104.6

Manual Integrations
 APPROVED



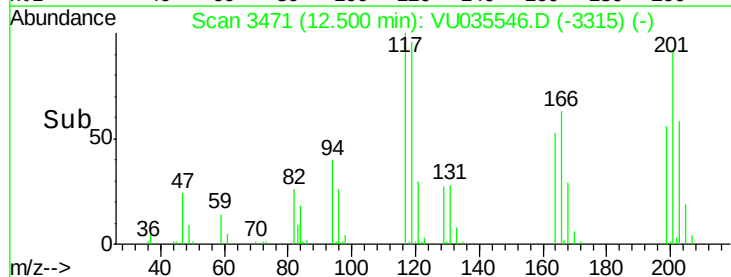
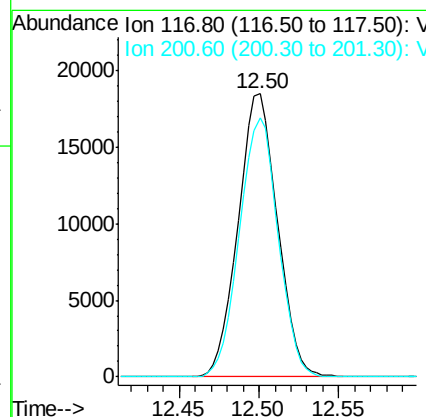
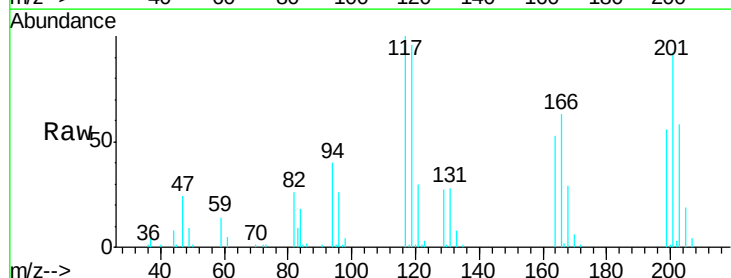
MMDadoda

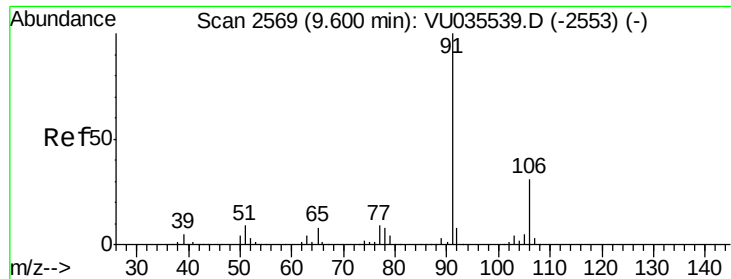
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#62
 Hexachloroethane
 Concen: 1.815 ug/l
 RT: 12.50 min Scan# 3471
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion:117 Resp: 30892
 Ion Ratio Lower Upper
 117 100
 201 89.9 71.8 107.8



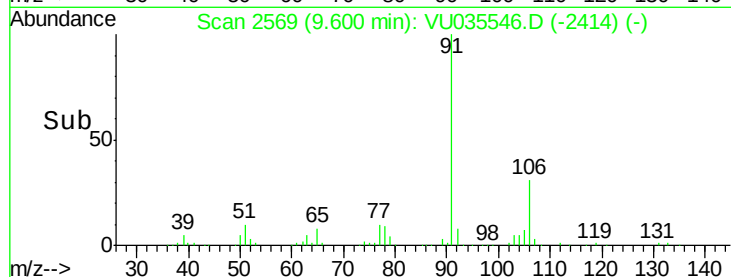
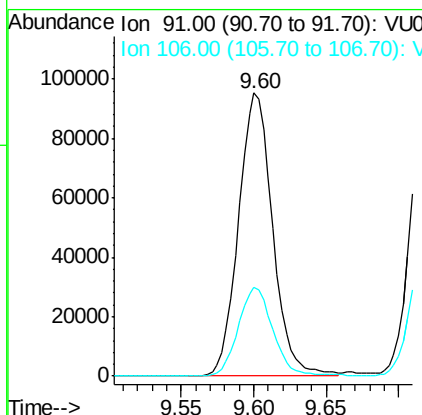
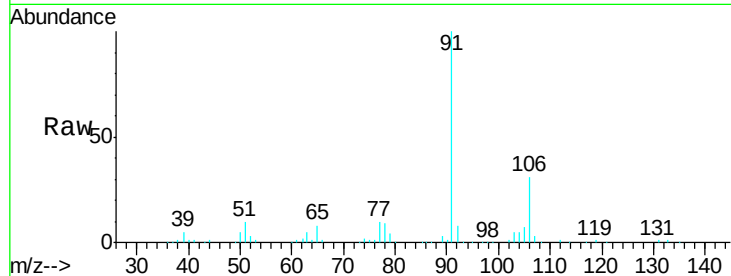


#63
Ethyl Benzene
Concen: 1.694 ug/l
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

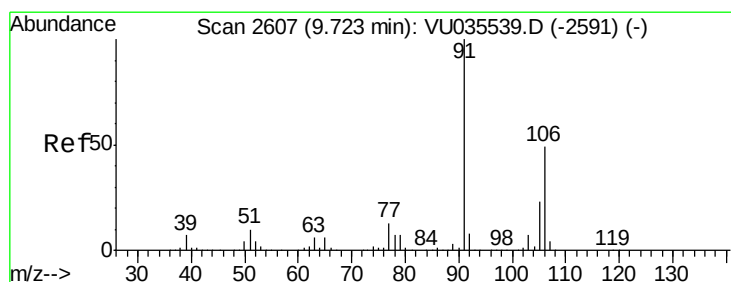
Tgt Ion: 91 Resp: 156434
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

Manual Integrations
APPROVED



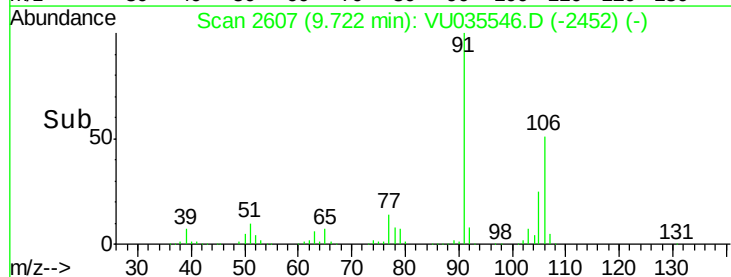
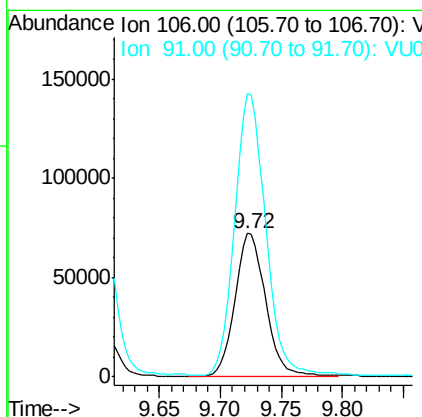
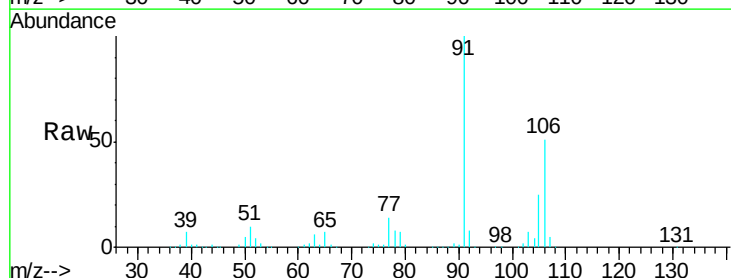
MMDadoda

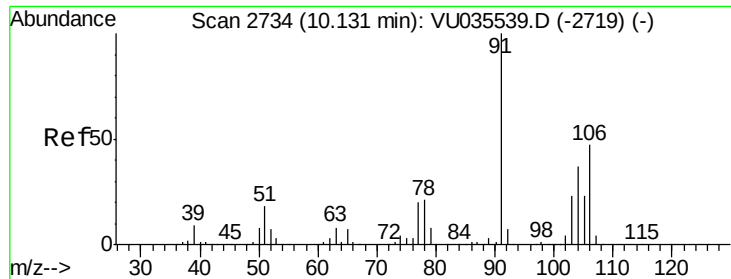
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#64
m/p-Xylenes
Concen: 3.440 ug/l
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion: 106 Resp: 125412
Ion Ratio Lower Upper
106 100
91 199.5 81.0 121.4#



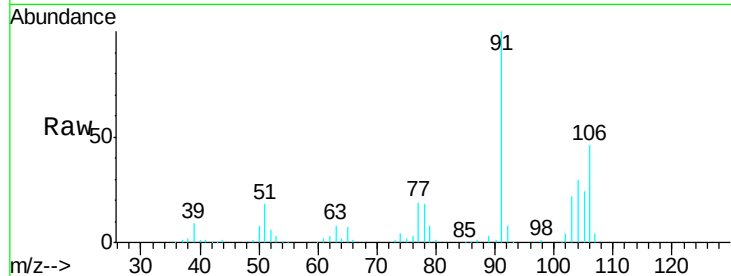


#65
o-Xylene
Concen: 1.728 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

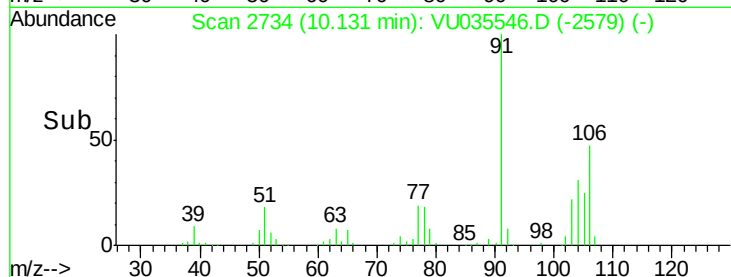
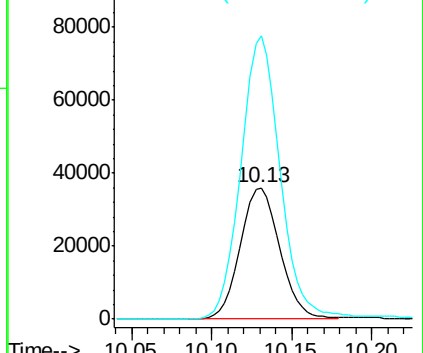
Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

Tgt Ion:106 Resp: 60874
Ion Ratio Lower Upper
106 100
91 216.4 107.1 321.1

Manual Integrations
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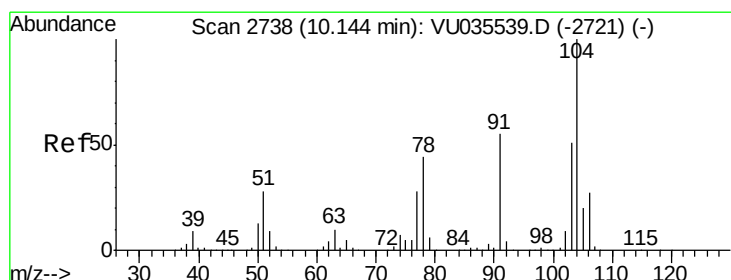


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



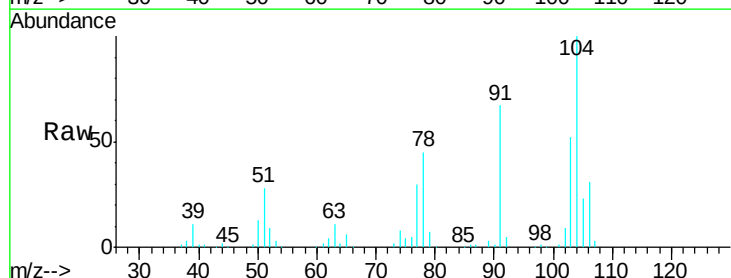
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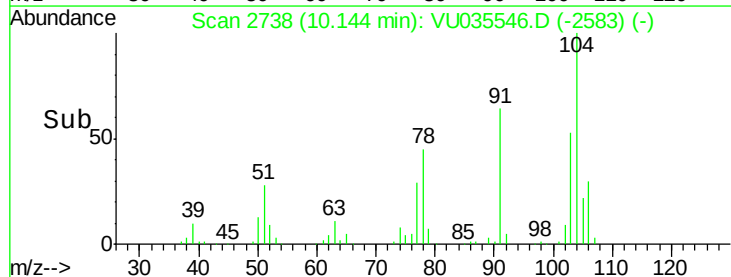
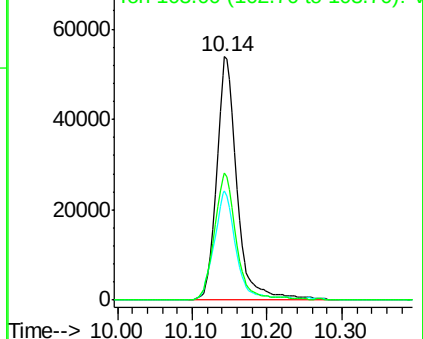


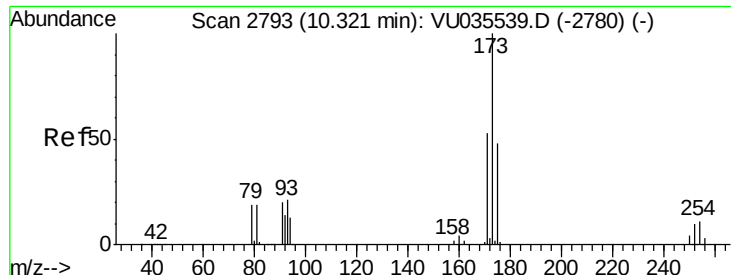
#66
Styrene
Concen: 1.751 ug/l
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion:104 Resp: 102119
Ion Ratio Lower Upper
104 100
78 47.7 38.6 58.0
103 55.2 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



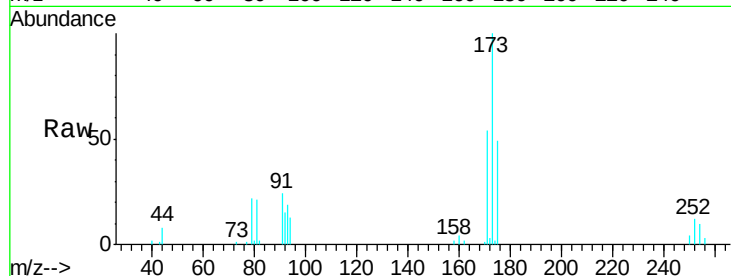


#67
Bromoform
Concen: 1.851 ug/l
RT: 10.32 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

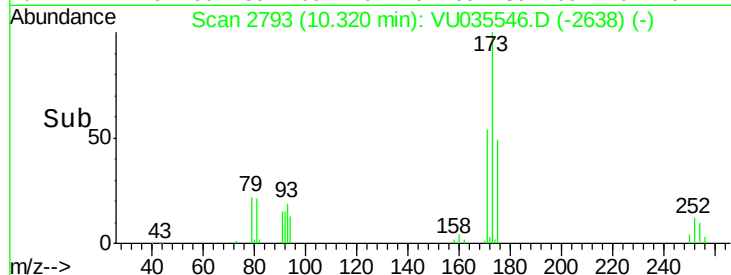
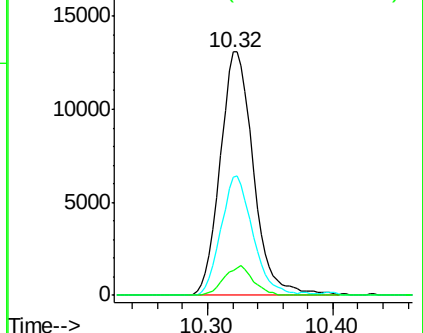
Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.8	38.7	58.1
254	10.4	8.2	12.2

Manual Integrations
APPROVED

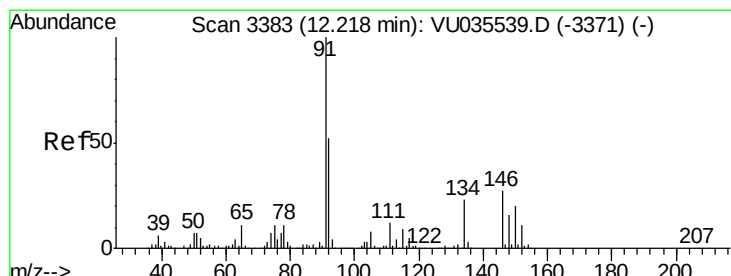


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



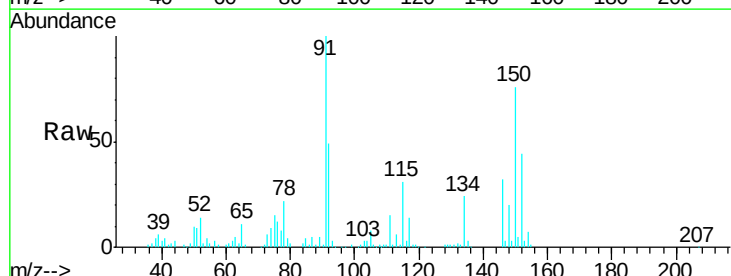
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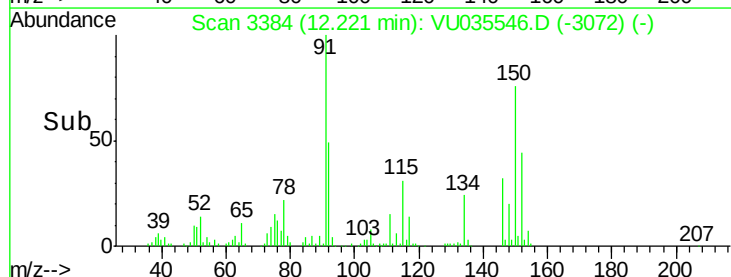
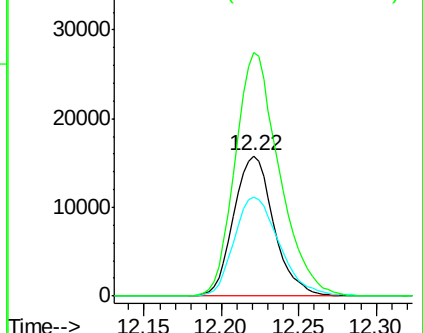


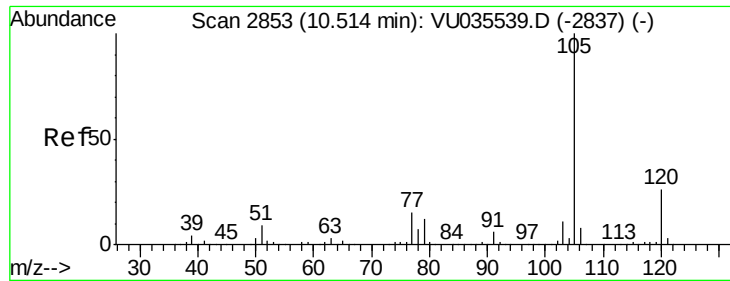
#68
1,2-Dichlorobenzene-d4
Concen: 1.020 ug/l
RT: 12.22 min Scan# 3384
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.6	0.0	250.6
150	190.5	0.0	656.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.734 ug/l

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBSD01

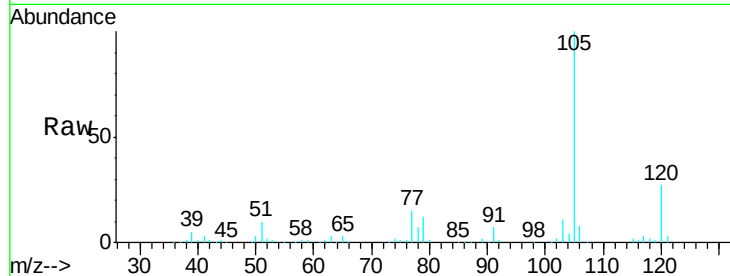
Tgt Ion: 105 Resp: 159221

Ion Ratio Lower Upper

105 100

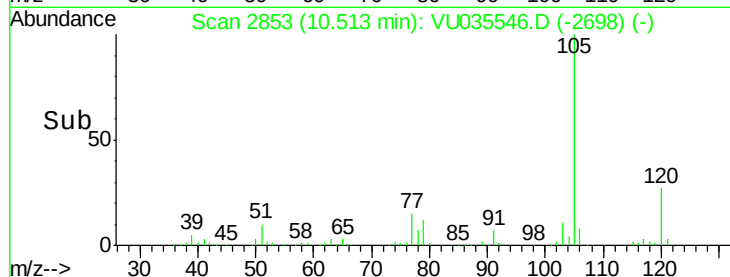
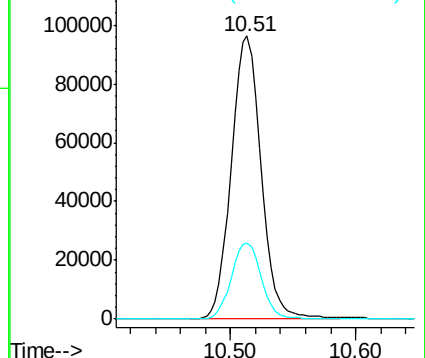
120 27.1 13.2 39.5

Manual Integrations
APPROVED



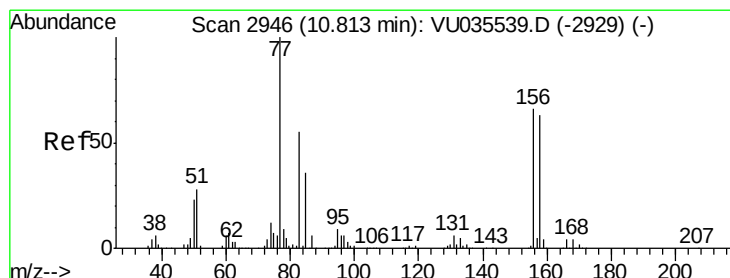
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#70

1,1,2,2-Tetrachloroethane

Concen: 1.888 ug/l

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

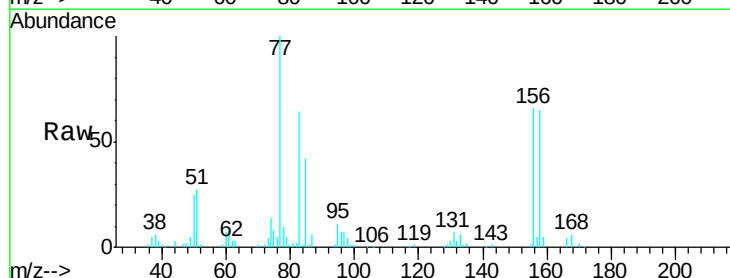
Tgt Ion: 83 Resp: 43332

Ion Ratio Lower Upper

83 100

131 10.0 0.0 0.0#

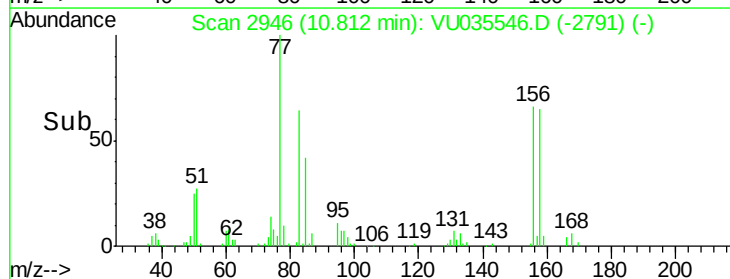
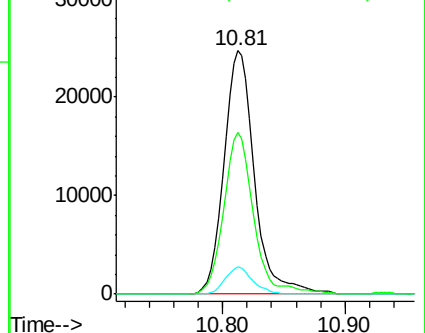
85 65.0 33.5 50.3#

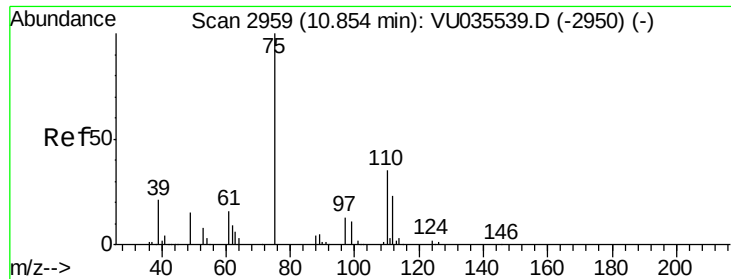


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



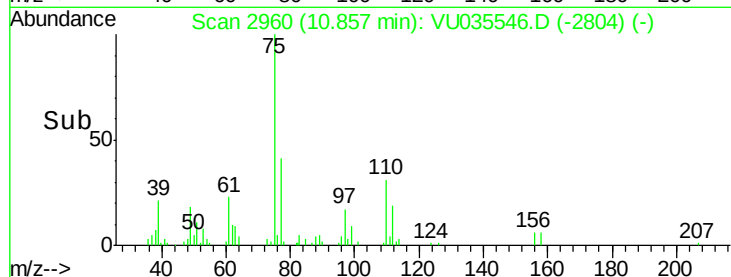
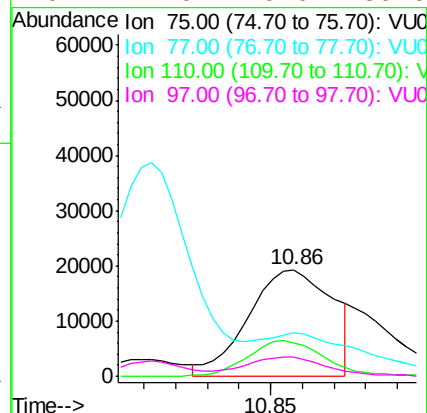
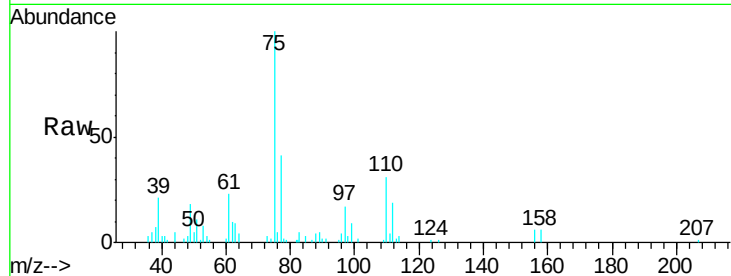


#71
1,2,3-Trichloropropane
Concen: 2.079 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

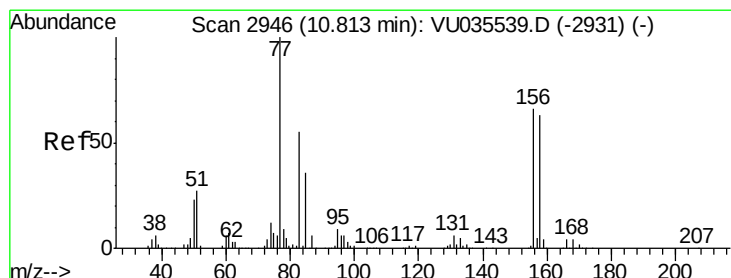
Tgt Ion	Ratio	Lower	Upper
75	100		
77	24.5	0.0	68.6
110	30.9	0.0	77.2
97	17.0	0.0	39.0

Manual Integrations
APPROVED



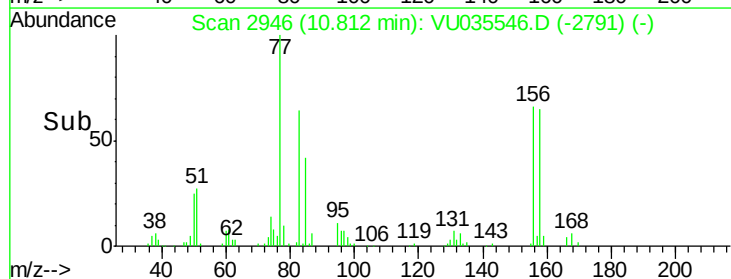
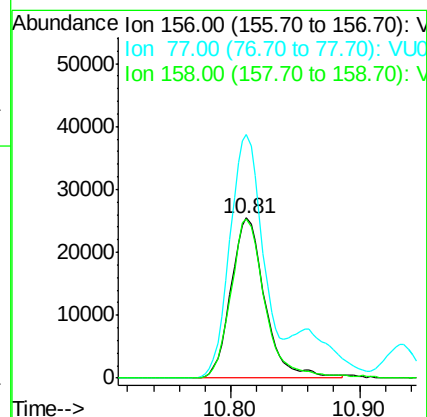
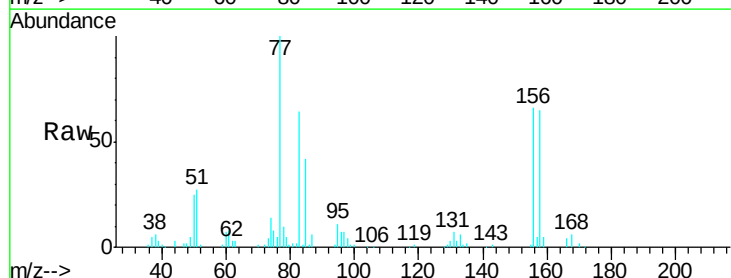
MMDadoda

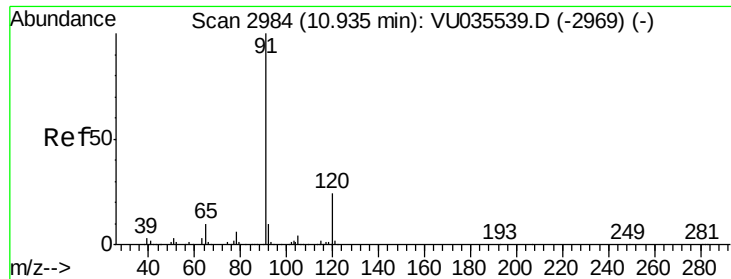
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#72
Bromobenzene
Concen: 1.821 ug/l
RT: 10.81 min Scan# 2946
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
156	100		
77	148.1	0.0	300.4
158	99.2	0.0	194.4





#73

n-propylbenzene

Concen: 1.717 ug/l

RT: 10.93 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBSD01

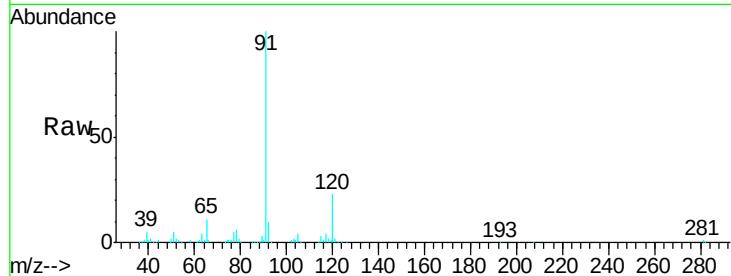
Tgt Ion:120 Resp: 44048

Ion Ratio Lower Upper

120 100

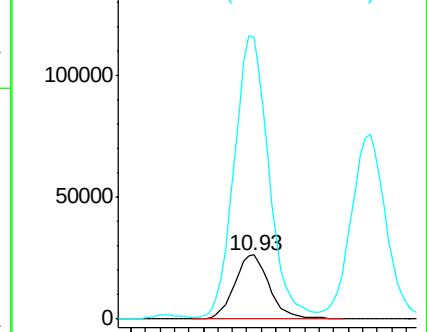
91 431.5 340.6 510.8

Manual Integrations
APPROVED



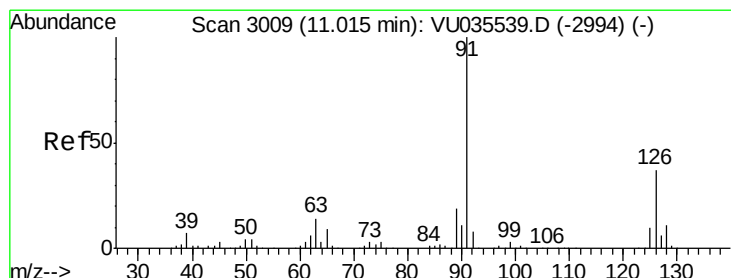
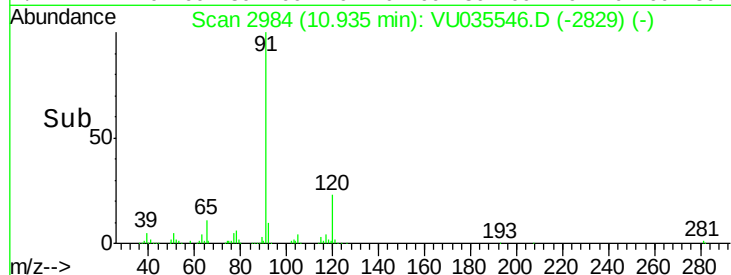
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 1.806 ug/l

RT: 11.01 min Scan# 3009

Delta R.T. -0.00 min

Lab File: VU035546.D

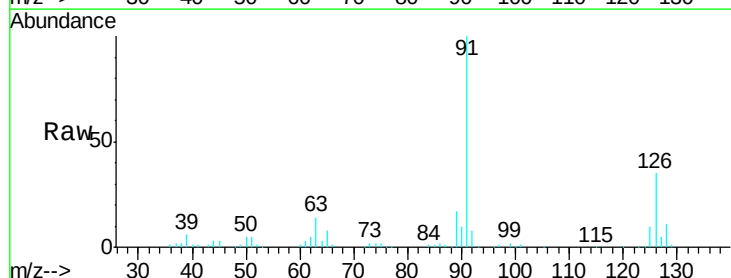
Acq: 29 Oct 2019 18:54

Tgt Ion:126 Resp: 43425

Ion Ratio Lower Upper

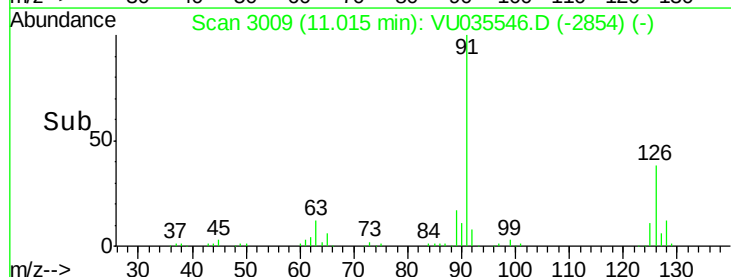
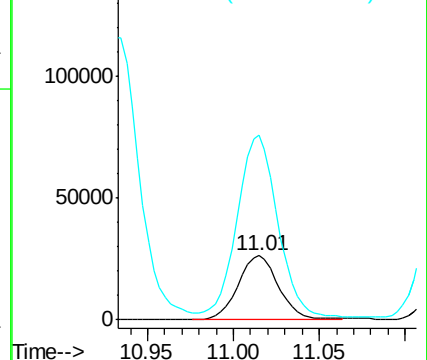
126 100

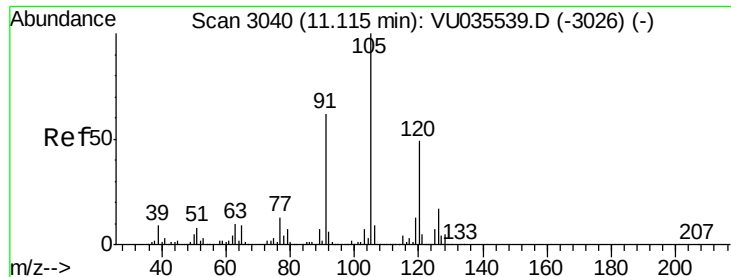
91 291.1 0.0 574.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.781 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBSD01

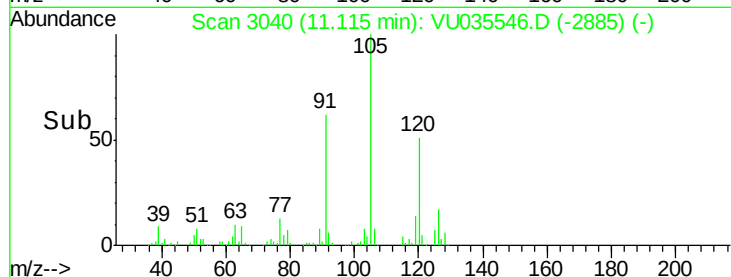
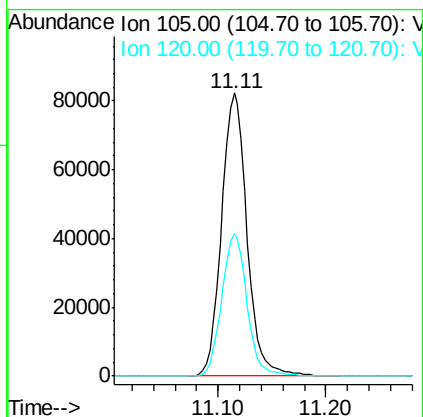
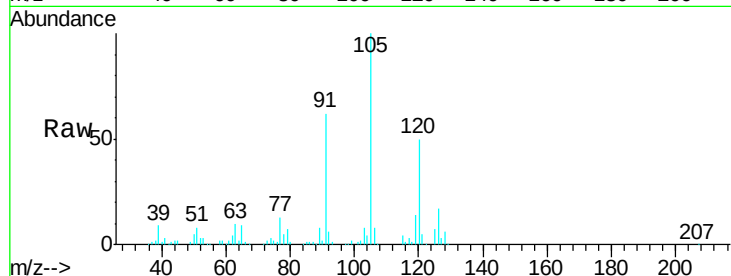
Tgt Ion:105 Resp: 134784

Ion Ratio Lower Upper

105 100

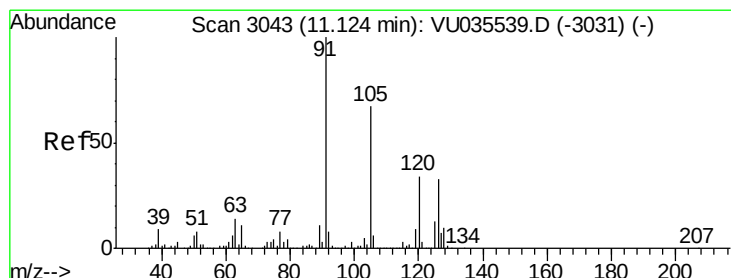
120 50.1 39.4 59.2

Manual Integrations
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#76

4-Chlorotoluene

Concen: 1.818 ug/l

RT: 11.12 min Scan# 3043

Delta R.T. -0.00 min

Lab File: VU035546.D

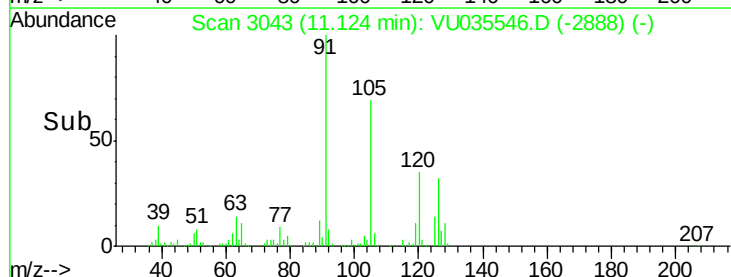
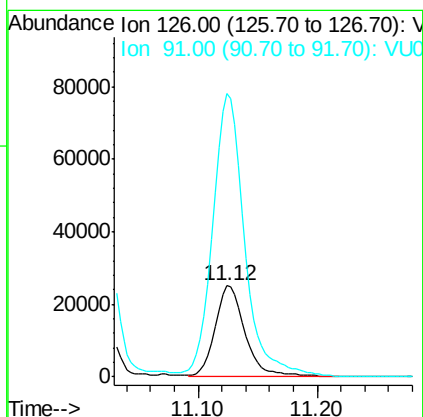
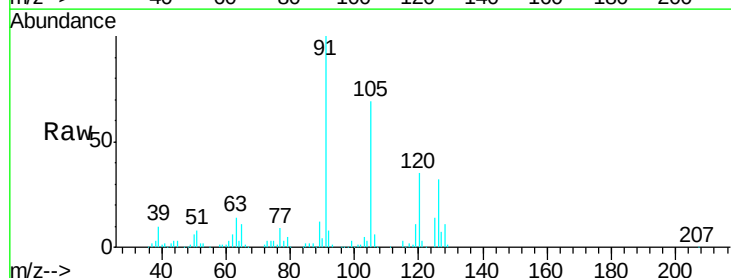
Acq: 29 Oct 2019 18:54

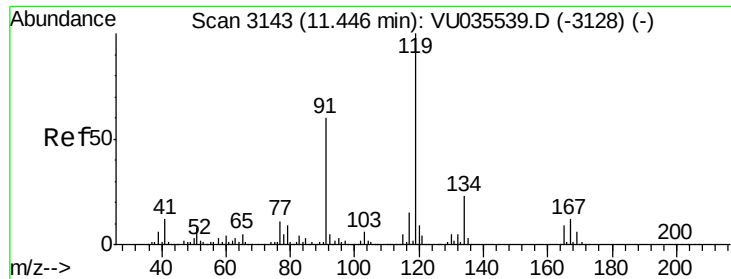
Tgt Ion:126 Resp: 44395

Ion Ratio Lower Upper

126 100

91 328.3 0.0 637.0





#77

tert-Butylbenzene

Concen: 1.787 ug/l

RT: 11.45 min Scan# 3143

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

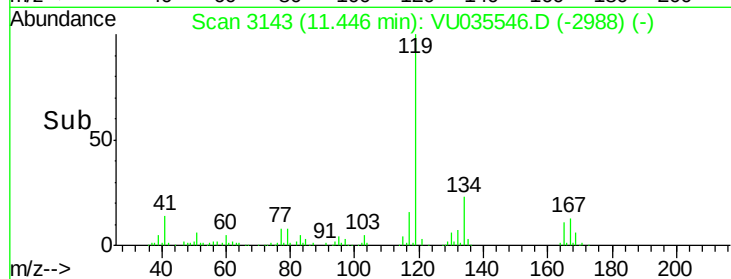
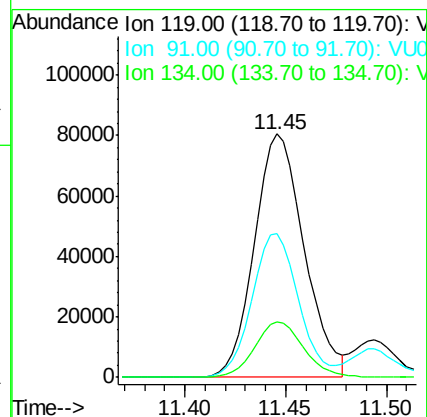
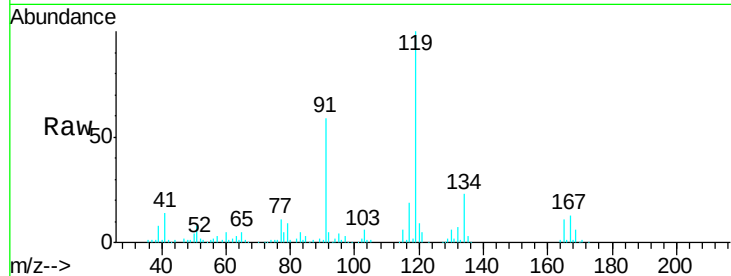
MSVOA_U

ClientSampleId :

VN1029WBSD01

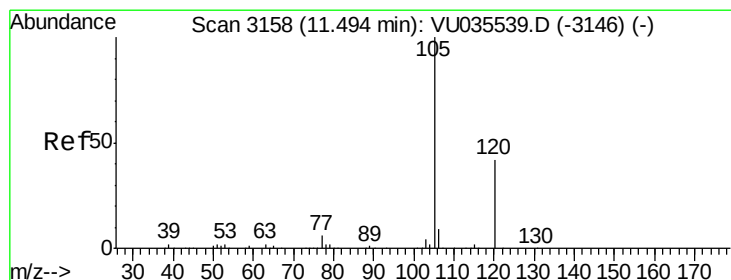
Tgt Ion:	119	Resp:	138728
Ion Ratio	Lower	Upper	
119	100		
91	55.5	27.9	83.7
134	22.6	18.3	27.5

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 1.787 ug/l

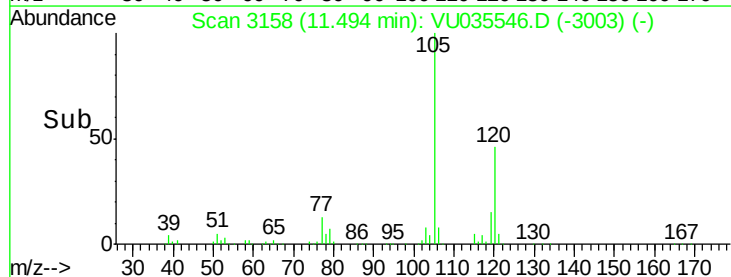
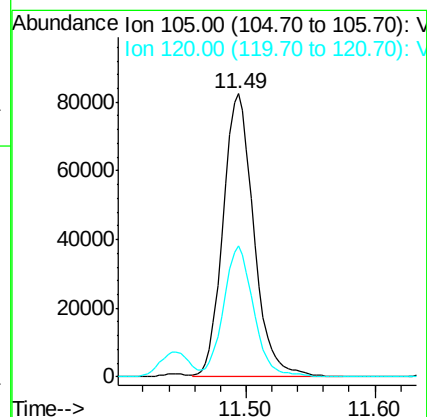
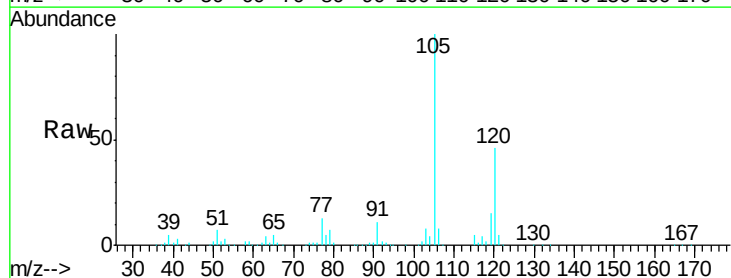
RT: 11.49 min Scan# 3158

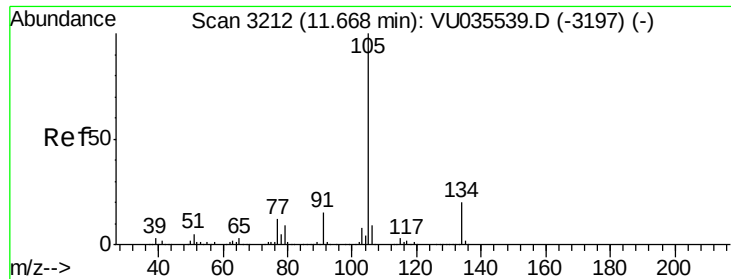
Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Tgt Ion:	105	Resp:	136866
Ion Ratio	Lower	Upper	
105	100		
120	45.2	23.2	69.5





#79

sec-Butylbenzene

Concen: 1.774 ug/l

RT: 11.67 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBSD01

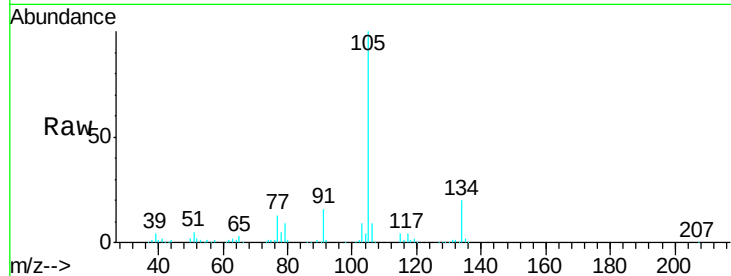
Tgt Ion: 105 Resp: 176156

Ion Ratio Lower Upper

105 100

134 20.2 15.9 23.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.67

120000

100000

80000

60000

40000

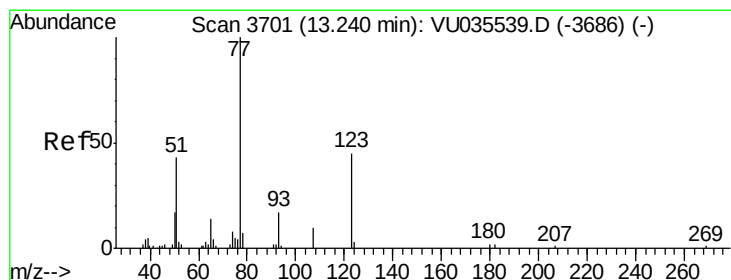
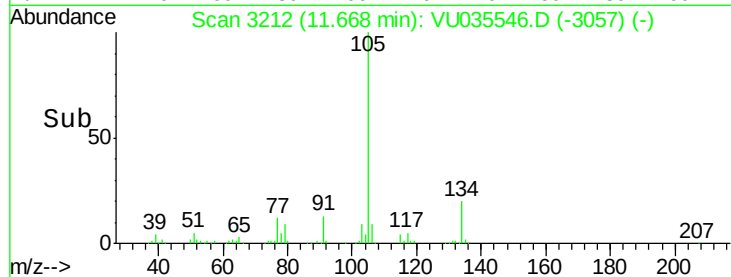
20000

0

Time-->

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#80

Nitrobenzene

Concen: 3.415 ug/l

RT: 13.24 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

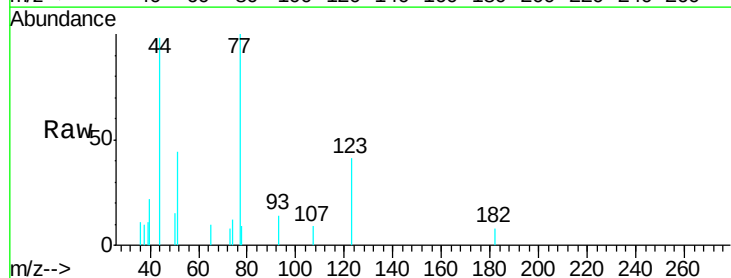
Tgt Ion: 77 Resp: 2626

Ion Ratio Lower Upper

77 100

123 38.7 18.9 67.1

65 2.6 11.2 14.2#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

13.24

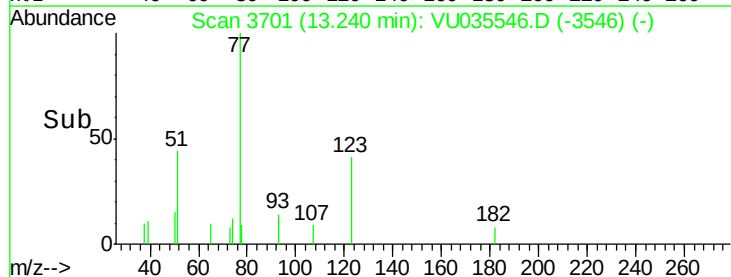
1500

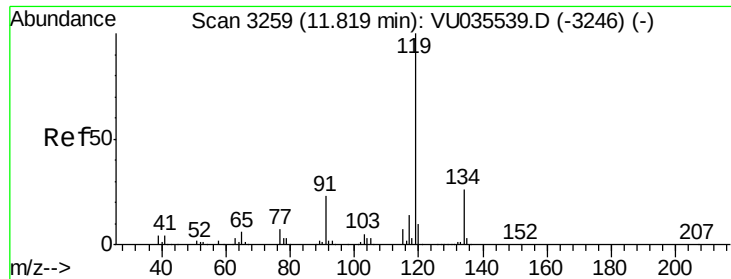
1000

500

0

Time-->



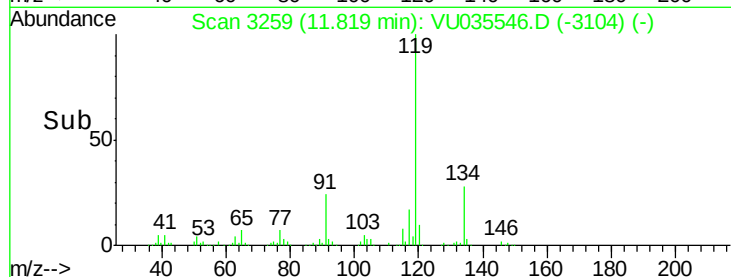
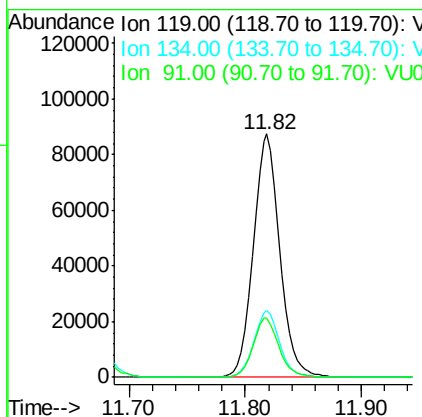
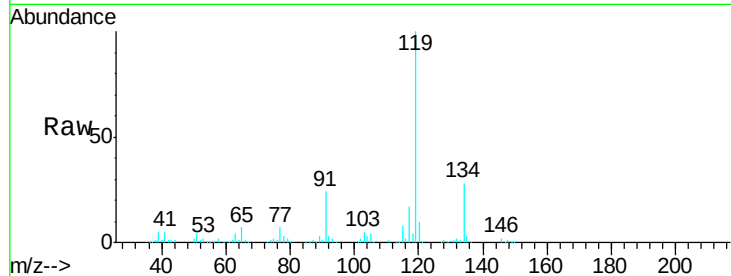


#81
p-Isopropyltoluene
Concen: 1.757 ug/l
RT: 11.82 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

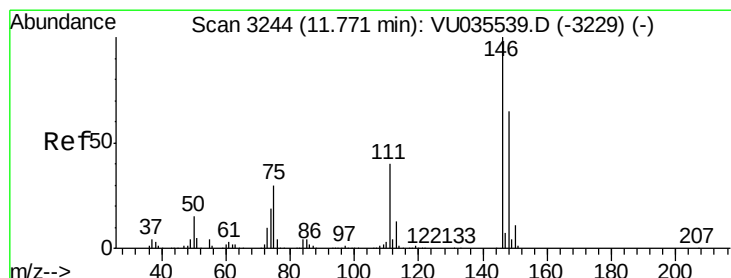
Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	17.0	25.4#
91	24.0	41.3	61.9#

Manual Integrations
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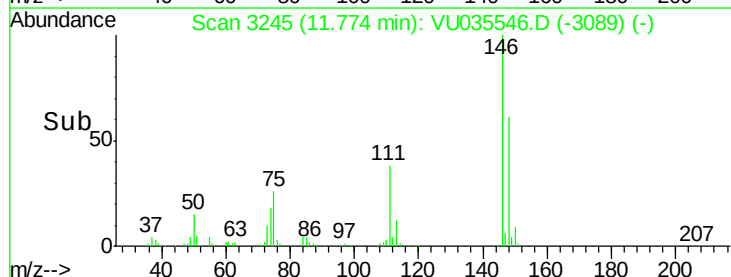
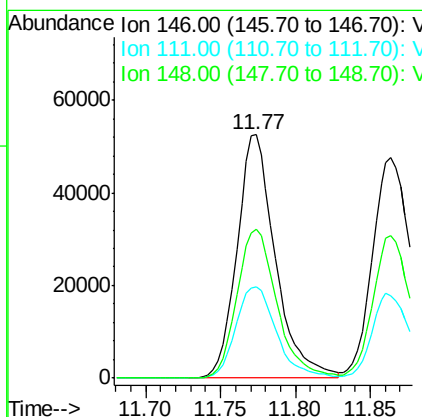
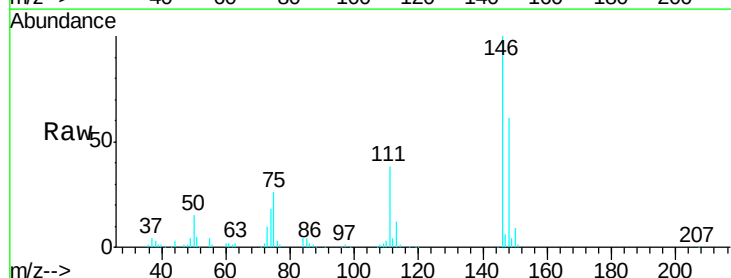
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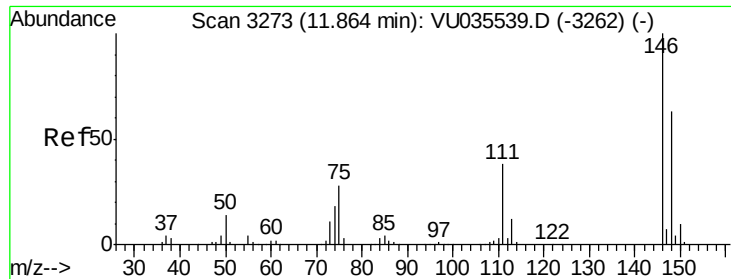
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#82
1,3-Dichlorobenzene
Concen: 1.923 ug/l
RT: 11.77 min Scan# 3245
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	31.8	47.6
148	63.7	50.9	76.3



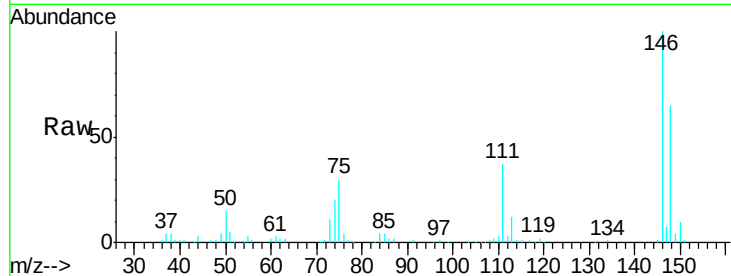


#83
 1,4-Dichlorobenzene
 Concen: 1.932 ug/l
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

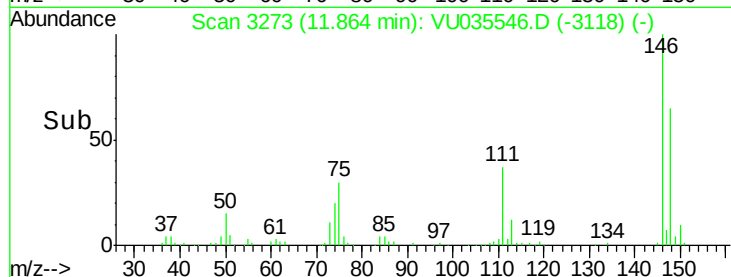
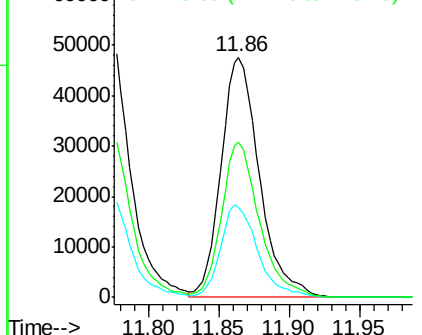
Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	30.1	45.1
148	63.7	51.0	76.4

Manual Integrations
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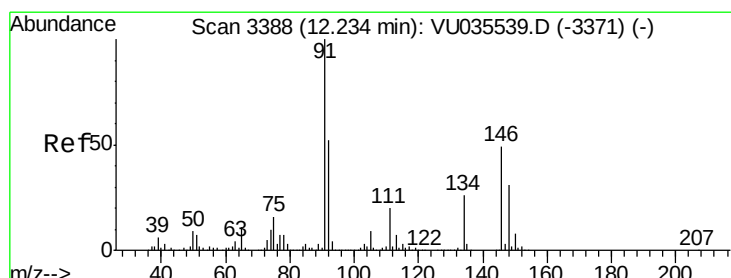


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



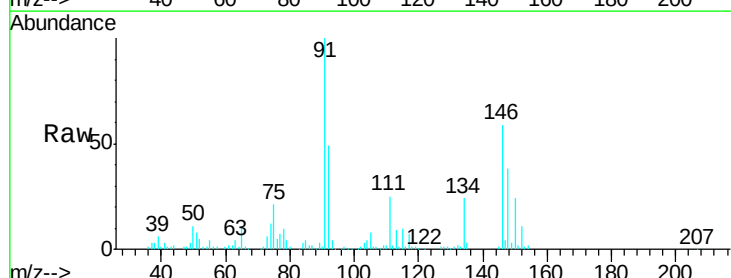
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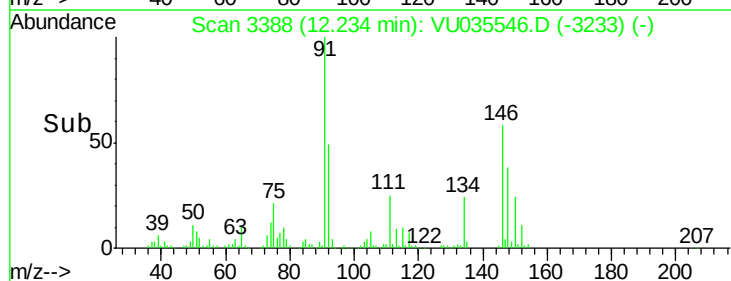
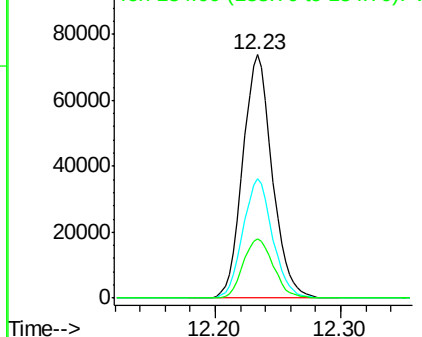


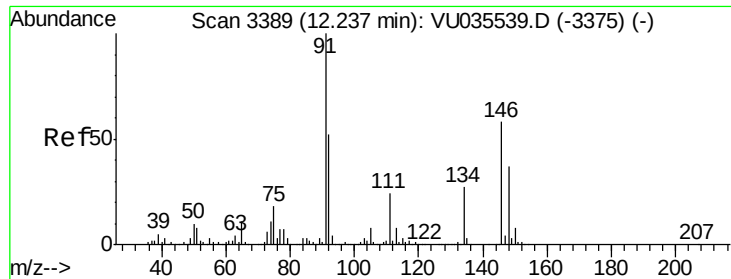
#84
 n-Butylbenzene
 Concen: 1.856 ug/l
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.5	41.4	62.0
134	24.8	20.6	30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V



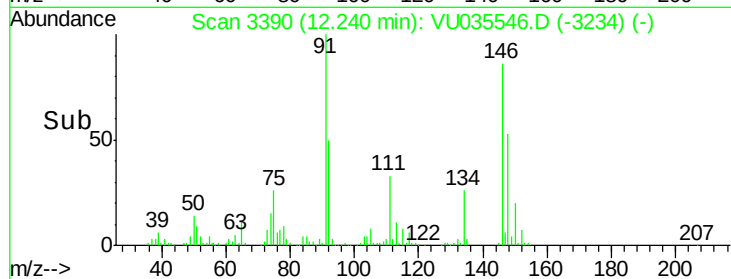
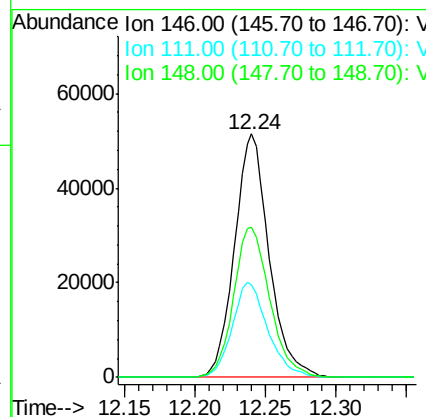
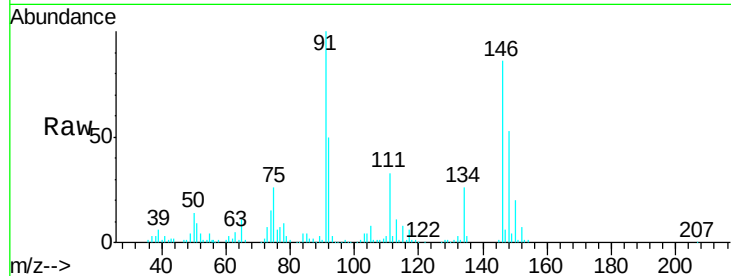


#85
 1,2-Dichlorobenzene
 Concen: 1.921 ug/l
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBSD01

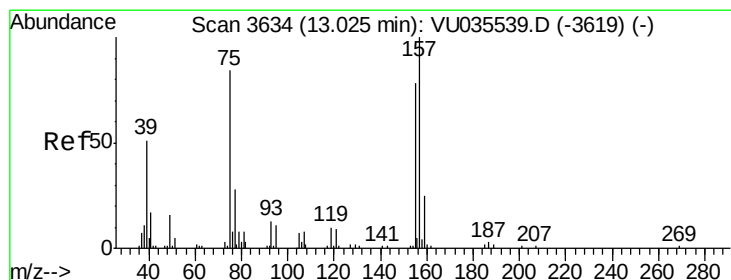
Tgt Ion	Ratio	Resp	Lower	Upper
146	100	88174		
111	40.2	20.5	61.5	
148	64.6	32.0	96.2	

Manual Integrations
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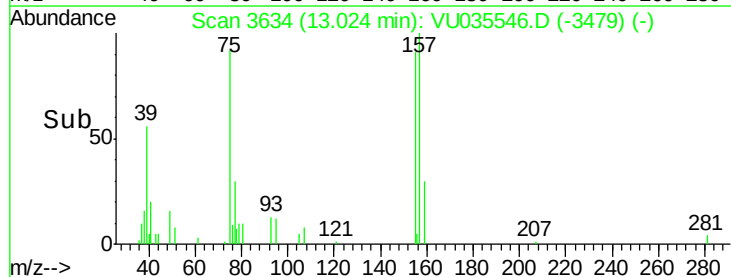
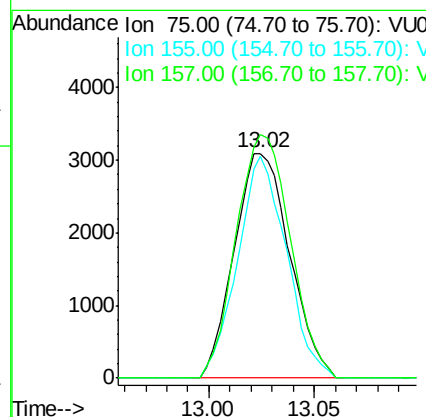
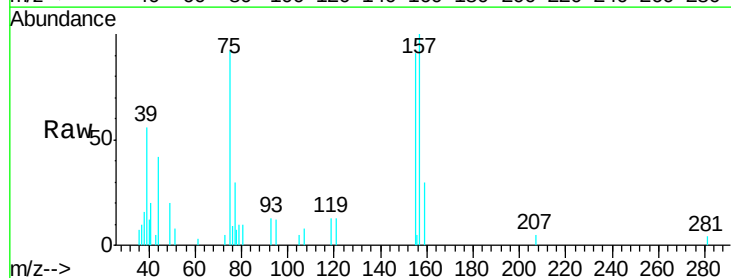
MMDadoda

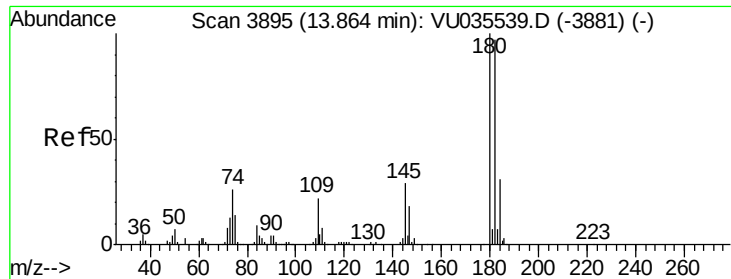
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.935 ug/l
 RT: 13.02 min Scan# 3634
 Delta R.T. -0.00 min
 Lab File: VU035546.D
 Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	5655		
155	86.8	71.3	106.9	
157	106.3	91.2	136.8	





#87

1,2,4-Trichlorobenzene

Concen: 1.834 ug/l

RT: 13.87 min Scan# 3896

Delta R.T. 0.00 min

Lab File: VU035546.D

Acq: 29 Oct 2019 18:54

Instrument :

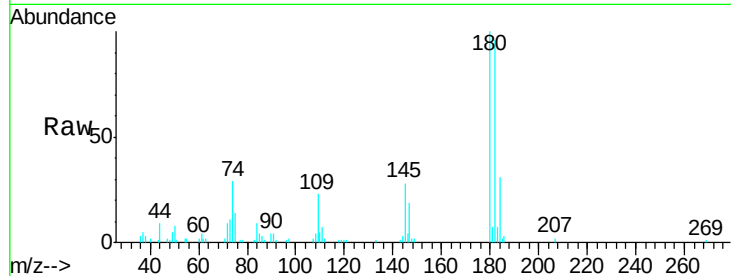
MSVOA_U

ClientSampleId :

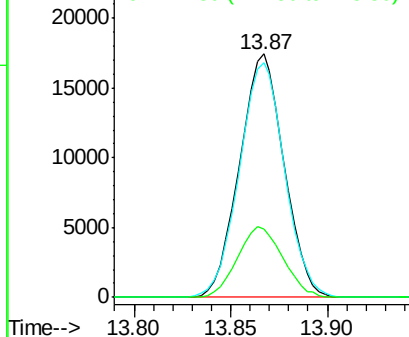
VN1029WBSD01

Tgt Ion:	180	Resp:	27863
Ion Ratio	Lower	Upper	
180	100		
182	98.3	77.4	116.0
145	29.7	22.6	33.8

Manual Integrations
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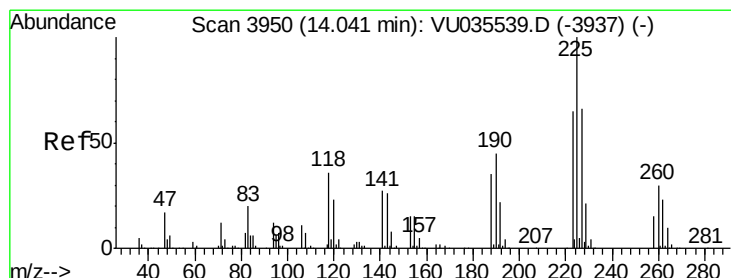
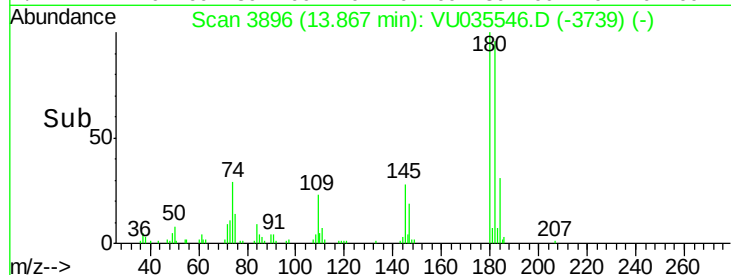


Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



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#88

Hexachlorobutadiene

Concen: 1.987 ug/l

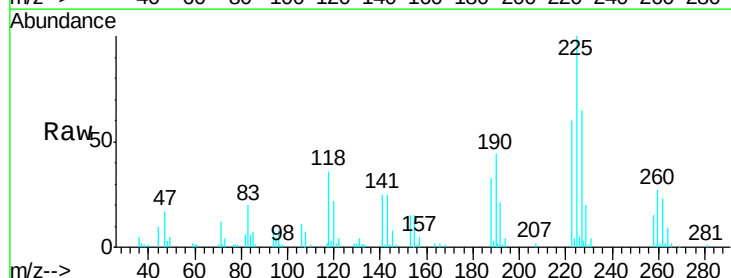
RT: 14.04 min Scan# 3950

Delta R.T. -0.00 min

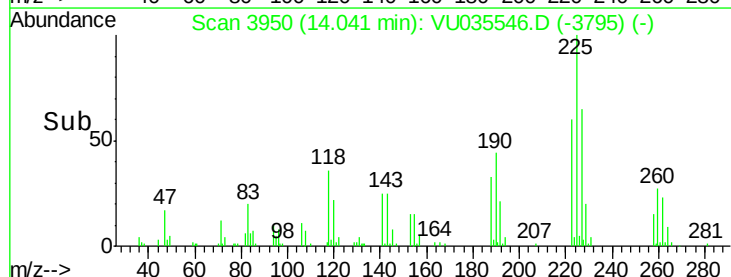
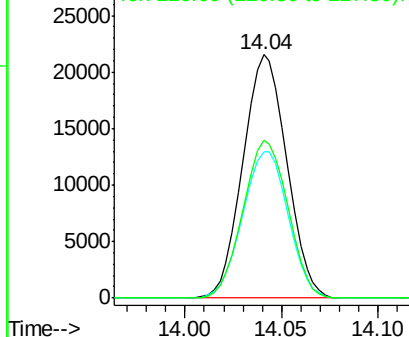
Lab File: VU035546.D

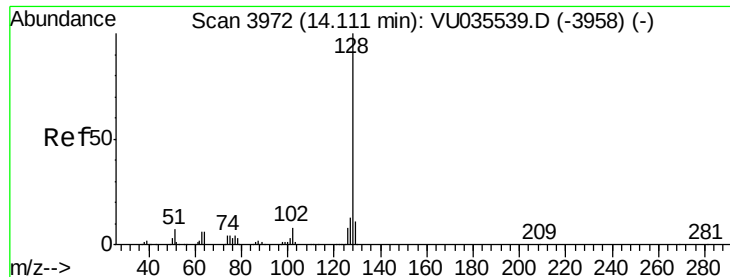
Acq: 29 Oct 2019 18:54

Tgt Ion:	225	Resp:	33962
Ion Ratio	Lower	Upper	
225	100		
223	62.7	50.7	76.1
227	66.2	52.2	78.4



Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V



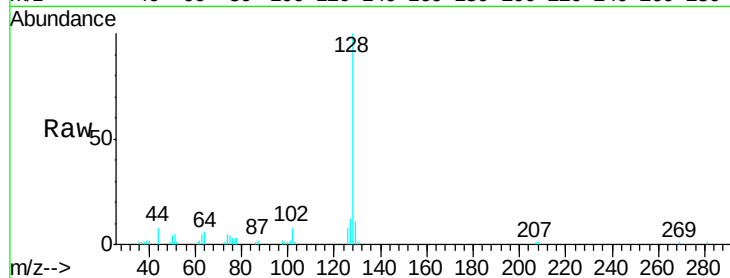


#89
Naphthalene
Concen: 1.759 ug/l
RT: 14.11 min Scan# 3972
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

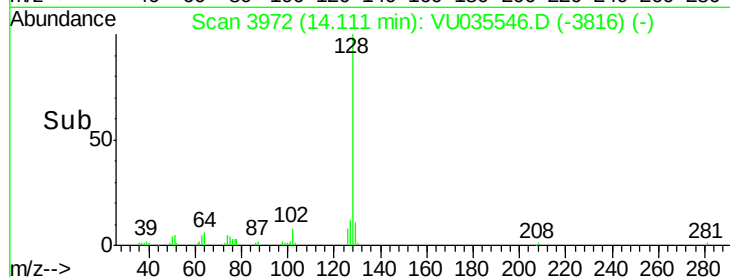
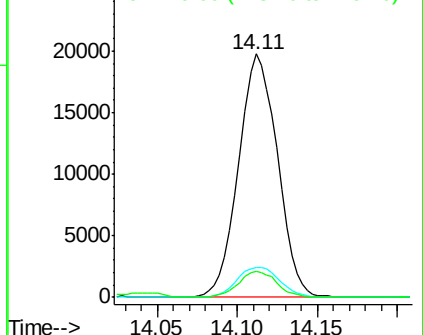
Instrument :
MSVOA_U
ClientSampleId :
VN1029WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	10.3	8.6	13.0

Manual Integrations
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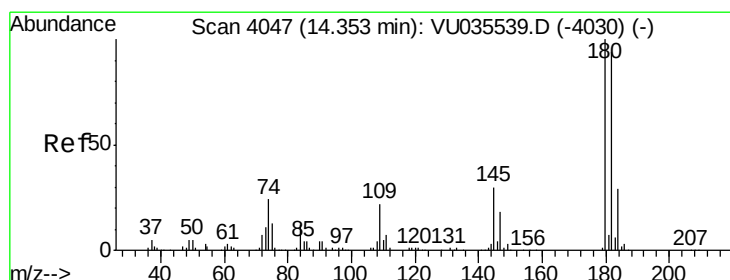


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



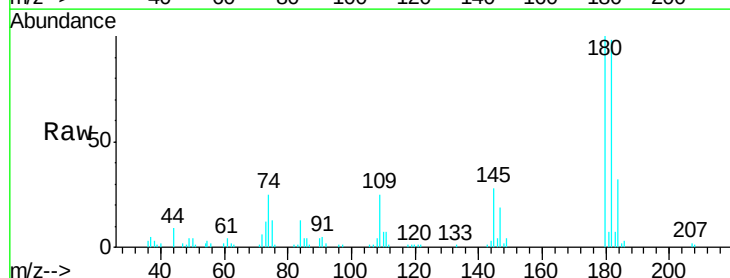
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#90
1,2,3-Trichlorobenzene
Concen: 1.828 ug/l
RT: 14.35 min Scan# 4047
Delta R.T. 0.00 min
Lab File: VU035546.D
Acq: 29 Oct 2019 18:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.8	113.8
145	30.0	23.7	35.5



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

