

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102919\
 Data File : VU035545.D
 Acq On : 29 Oct 2019 18:27
 Operator : JC/SP
 Sample : VN1029WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VN1029WBS01

Manual Integrations
 APPROVED

Quant Time: Oct 30 06:18:33 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	71018	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.66	95	24514	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	12.22	152	28448	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	

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Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.40	85	52260	1.879	ug/l	96
3) Chloromethane	1.54	50	59643	1.750	ug/l	96
4) Vinyl Chloride	1.62	62	58431	1.935	ug/l	98
5) Bromomethane	1.88	94	28821	1.877	ug/l	96
6) Chloroethane	1.95	64	33223	1.914	ug/l	97
7) Trichlorofluoromethane	2.16	101	72205	1.935	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	40370	1.996	ug/l	98
9) 1,1-Dichloroethene	2.61	96	37251	1.909	ug/l	97
10) Iodomethane	2.75	142	15409	1.832	ug/l	99
11) Allyl Chloride	2.96	41	60941	1.858	ug/l	97
12) Acrylonitrile	3.38	53	19040m	3.886	ug/l	
13) Acetone	2.68	43	40972	8.616	ug/l	99
14) Carbon Disulfide	2.82	76	129734	1.880	ug/l	99
15) Methylene Chloride	3.08	84	49188	1.960	ug/l	97
16) trans-1,2-Dichloroethene	3.39	96	41436	1.931	ug/l	97
17) 1,1-Dichloroethane	3.92	63	78218	1.945	ug/l	98
18) 2-Butanone	4.79	43	52651	8.543	ug/l	97
19) Cyclohexane	5.43	56	54886m	1.723	ug/l	
20) Methylcyclohexane	6.80	83	55300	1.692	ug/l	94
21) 2,2-Dichloropropane	4.72	77	62678	1.806	ug/l	98
22) cis-1,2-Dichloroethene	4.72	96	43920	1.912	ug/l	99
23) Diethyl Ether	2.41	59	31148	1.935	ug/l	98
24) tert-Butyl Alcohol	3.28	59	35641	19.870	ug/l	95
25) Methyl tert-Butyl Ether	3.43	73	102328	1.955	ug/l	95
26) Bromochloromethane	5.03	128	20788	2.027	ug/l	97
27) Chloroform	5.14	83	81782	1.904	ug/l	97
28) 1,1,1-Trichloroethane	5.36	97	64875	1.906	ug/l	98
29) 1,1-Dichloropropene	5.57	75	51655	1.810	ug/l	99
30) Carbon Tetrachloride	5.57	117	58652	1.938	ug/l	99
31) Isopropyl Ether	4.07	45	102627	1.828	ug/l	94
32) Ethyl-t-butyl ether	4.57	59	90953	1.750	ug/l	96
33) Tert-Amyl methyl ether	6.01	73	80570	1.802	ug/l	99
34) Propionitrile	4.86	54	15723	8.808	ug/l #	92
35) Benzene	5.82	78	164983	1.894	ug/l	100
36) 1,2-Dichloroethane	5.85	62	48419	1.940	ug/l	99
37) Trichloroethene	6.58	130	44304	1.831	ug/l	97
38) 1,2-Dichloropropane	6.84	63	46258	1.937	ug/l	99
39) Methacrylonitrile	5.04	41	13306	1.985	ug/l	97
40) Methyl acrylate	4.92	55	18099	1.773	ug/l #	88
41) Tetrahydrofuran	5.15	42	12546	3.641	ug/l #	36
42) 1-Chlorobutane	5.50	56	70287	1.790	ug/l	98

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 Acq On : 29 Oct 2019 18:27
 Operator : JC/SP
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 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

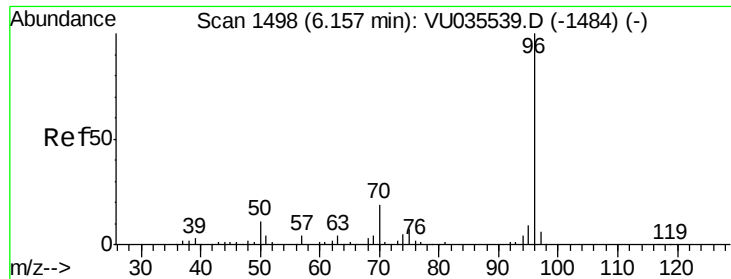
Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBS01

Manual Integrations
 APPROVED

Quant Time: Oct 30 06:18:33 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	23637	1.981	ug/l	98
44) Bromodichloromethane	7.15	83	57224	1.925	ug/l	99
45) 4-Methyl-2-Pentanone	7.85	43	112184	8.818	ug/l	97
46) t-1,4-Dichloro-2-butene	10.87	75	15779m	3.413	ug/l	
47) Methyl methacrylate	7.02	69	35085	3.551	ug/l	96
48) Ethyl methacrylate	8.38	69	30334	1.757	ug/l	94
49) Toluene	8.01	92	90615	1.809	ug/l	99
50) t-1,3-Dichloropropene	8.25	75	49271	1.872	ug/l	100
51) cis-1,3-Dichloropropene	7.65	75	59536	1.906	ug/l	98
52) 1,1,2-Trichloroethane	8.44	97	32905	1.968	ug/l	100
53) 1,3-Dichloropropane	8.61	76	53787	1.898	ug/l	98
54) 2-Hexanone	8.74	43	75702	8.374	ug/l	92
55) Dibromochloromethane	8.84	129	40790	1.998	ug/l	97
56) 1,2-Dibromoethane	8.96	107	29445	1.925	ug/l	97
58) Tetrachloroethene	8.58	164	42675	1.924	ug/l	96
59) Chlorobenzene	9.48	112	107268	1.857	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.57	131	42536	1.916	ug/l	100
61) Pentachloroethane	11.46	117	35036	1.936	ug/l	95
62) Hexachloroethane	12.50	117	31309	1.894	ug/l	99
63) Ethyl Benzene	9.60	91	156858	1.749	ug/l	98
64) m/p-Xylenes	9.73	106	122779	3.467	ug/l #	2
65) o-Xylene	10.13	106	60227	1.760	ug/l	100
66) Styrene	10.14	104	99413	1.755	ug/l	98
67) Bromoform	10.32	173	23629	1.866	ug/l	98
69) Isopropylbenzene	10.51	105	155742	1.746	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.81	83	42770	1.919	ug/l #	62
71) 1,2,3-Trichloropropane	10.86	75	32313m	1.930	ug/l	
72) Bromobenzene	10.81	156	46440	1.868	ug/l	97
73) n-propylbenzene	10.93	120	41520	1.666	ug/l	91
74) 2-Chlorotoluene	11.02	126	42921	1.837	ug/l	99
75) 1,3,5-Trimethylbenzene	11.11	105	128833	1.752	ug/l	100
76) 4-Chlorotoluene	11.13	126	45162	1.903	ug/l	97
77) tert-Butylbenzene	11.45	119	133760	1.774	ug/l	100
78) 1,2,4-Trimethylbenzene	11.49	105	129837	1.745	ug/l	99
79) sec-Butylbenzene	11.67	105	171649	1.780	ug/l	99
80) Nitrobenzene	13.24	77	2368	3.170	ug/l #	97
81) p-Isopropyltoluene	11.82	119	132443	1.716	ug/l #	68
82) 1,3-Dichlorobenzene	11.77	146	90331	1.908	ug/l	98
83) 1,4-Dichlorobenzene	11.86	146	85913	1.892	ug/l	98
84) n-Butylbenzene	12.23	91	110138	1.739	ug/l	98
85) 1,2-Dichlorobenzene	12.24	146	84820	1.902	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	5443	1.917	ug/l	96
87) 1,2,4-Trichlorobenzene	13.87	180	26468	1.806	ug/l	97
88) Hexachlorobutadiene	14.04	225	32821	1.976	ug/l	98
89) Naphthalene	14.11	128	27997	1.626	ug/l	99
90) 1,2,3-Trichlorobenzene	14.36	180	27358	1.774	ug/l	97

(#) = 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: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

Tgt Ion: 96 Resp: 71018

Ion Ratio Lower Upper

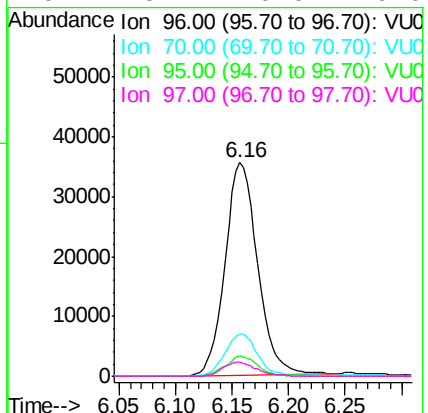
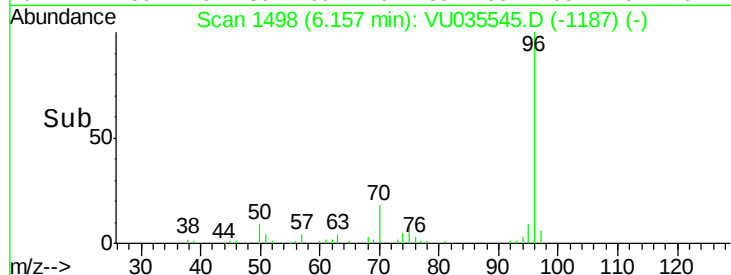
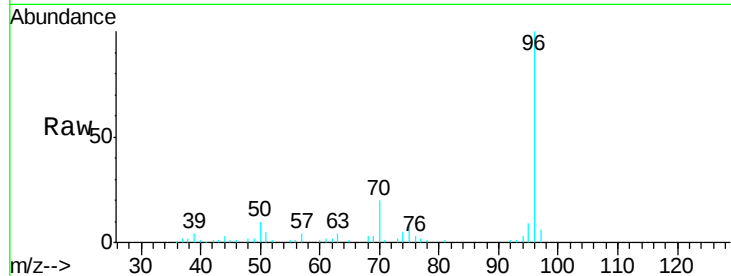
96 100

70 20.3 15.8 23.8

95 8.9 7.4 11.2

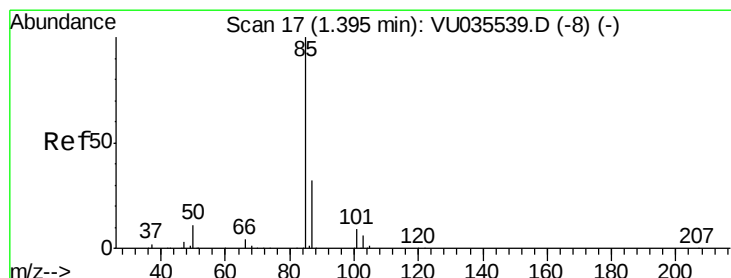
97 6.7 0.0 0.0#

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#2

Dichlorodifluoromethane

Concen: 1.879 ug/l

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035545.D

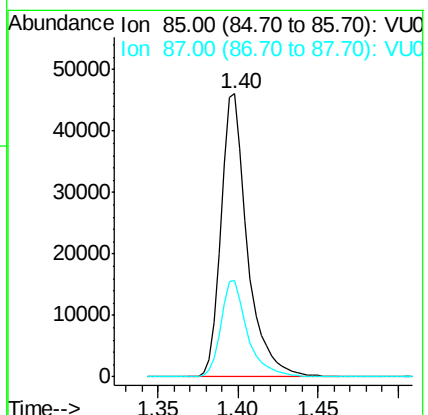
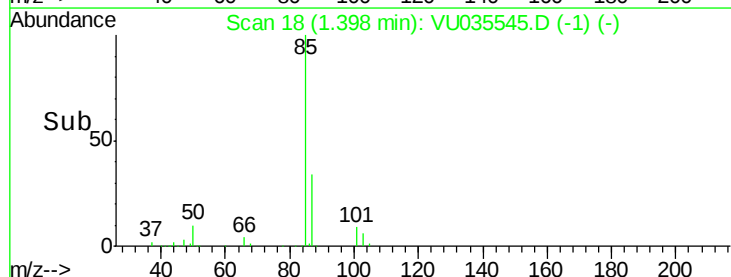
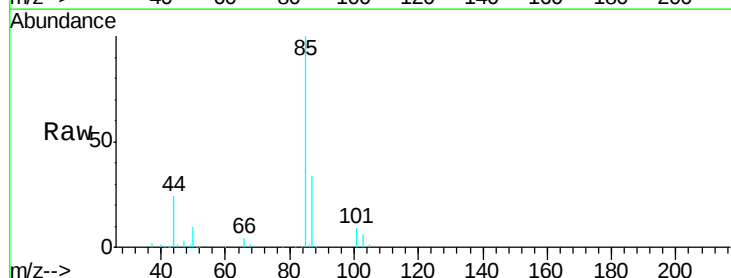
Acq: 29 Oct 2019 18:27

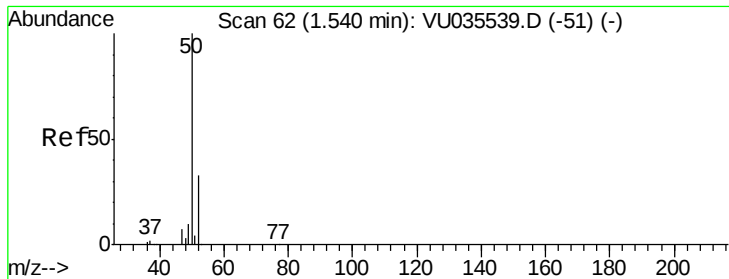
Tgt Ion: 85 Resp: 52260

Ion Ratio Lower Upper

85 100

87 33.9 15.8 47.4





#3

Chloromethane

Concen: 1.750 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

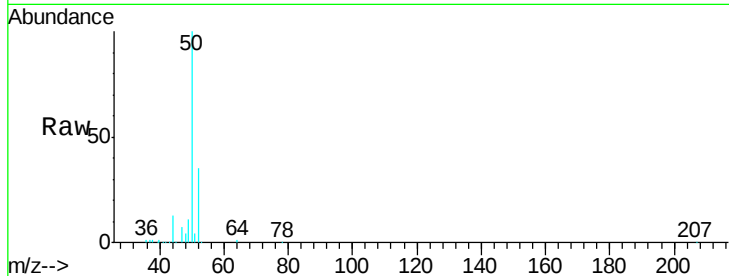
Tgt Ion: 50 Resp: 59643

Ion Ratio Lower Upper

50 100

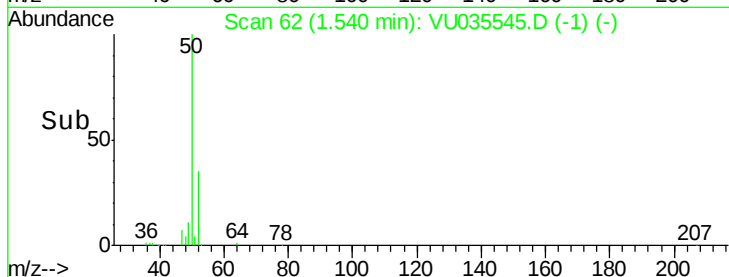
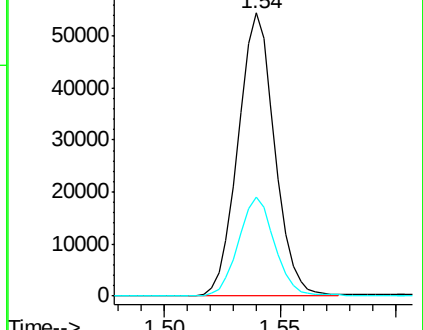
52 34.8 26.0 39.0

Manual Integrations
APPROVED



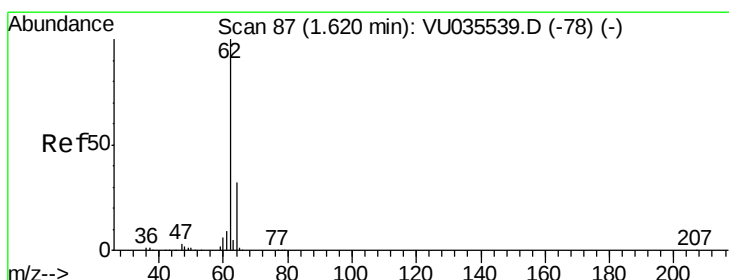
Abundance Ion 50.00 (49.70 to 50.70): VU035539.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU035539.D (-51) (-)



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#4

Vinyl Chloride

Concen: 1.935 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035545.D

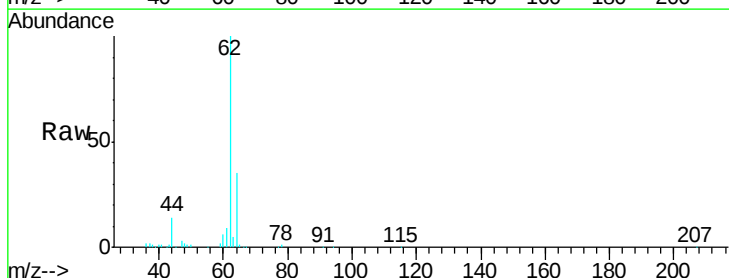
Acq: 29 Oct 2019 18:27

Tgt Ion: 62 Resp: 58431

Ion Ratio Lower Upper

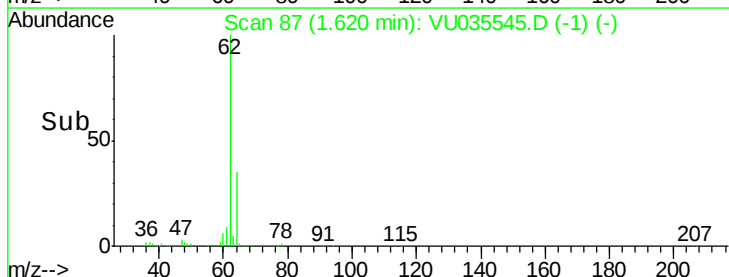
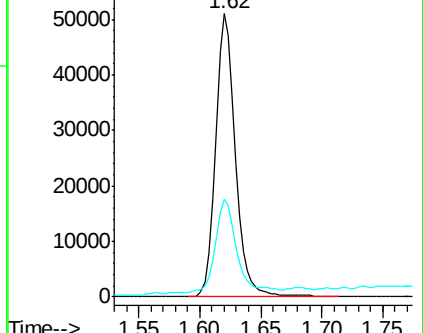
62 100

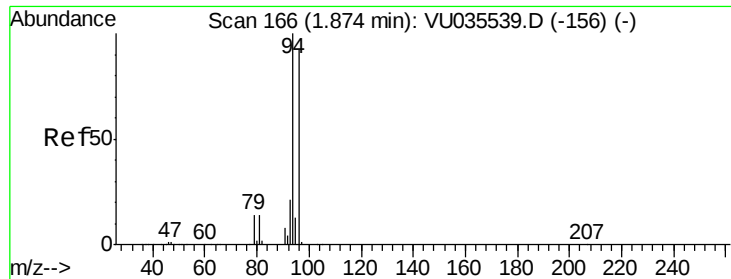
64 33.0 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VU035539.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU035539.D (-78) (-)





#5

Bromomethane

Concen: 1.877 ug/l

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

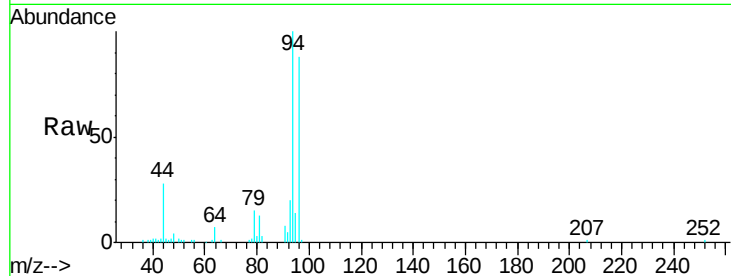
Tgt Ion: 94 Resp: 28821

Ion Ratio Lower Upper

94 100

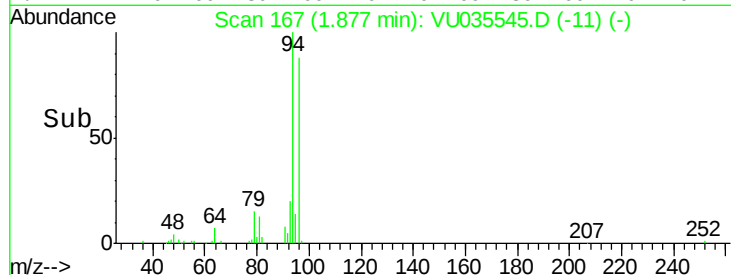
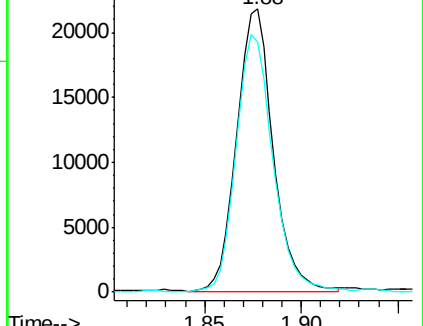
96 88.2 73.8 110.8

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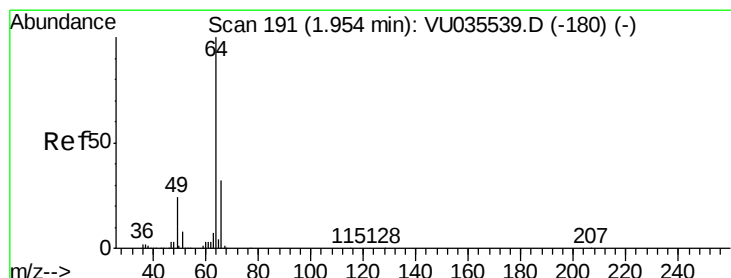
Abundance Ion 94.00 (93.70 to 94.70): VU035539.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035539.D (-156) (-)



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#6

Chloroethane

Concen: 1.914 ug/l

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035545.D

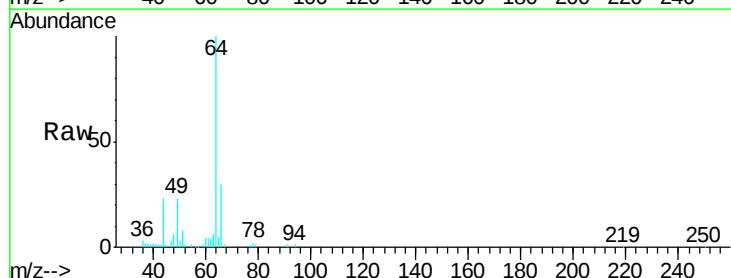
Acq: 29 Oct 2019 18:27

Tgt Ion: 64 Resp: 33223

Ion Ratio Lower Upper

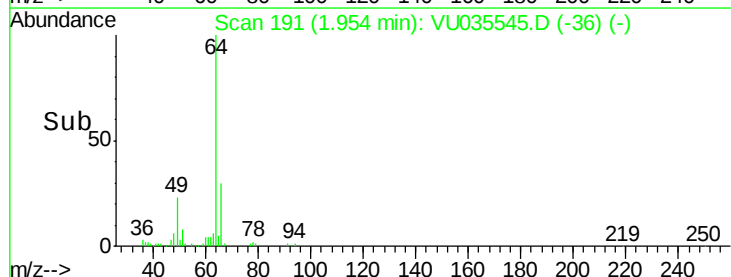
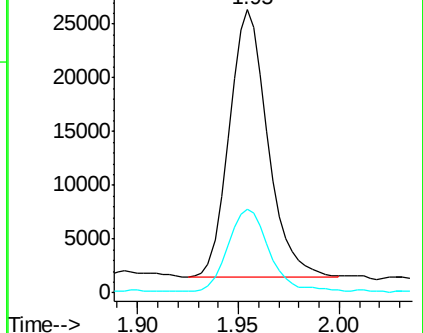
64 100

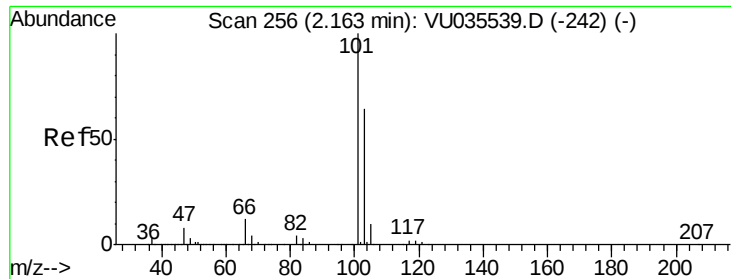
66 30.9 25.9 38.9



Abundance Ion 64.00 (63.70 to 64.70): VU035539.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU035539.D (-180) (-)





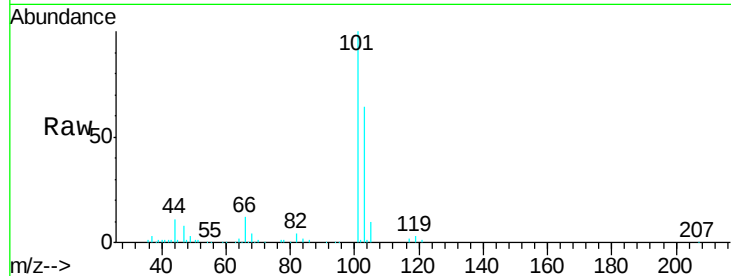
#7

Trichlorofluoromethane
 Concen: 1.935 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

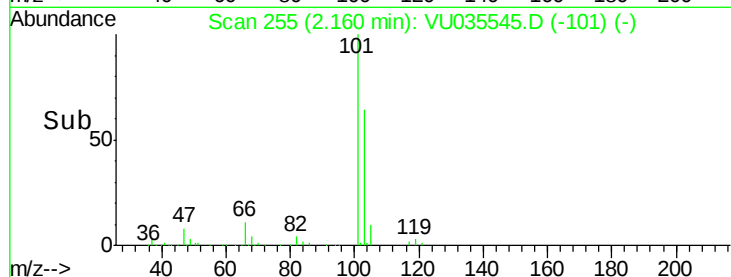
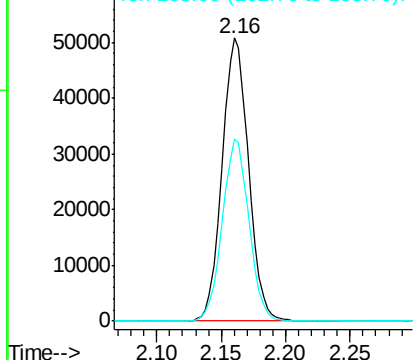
Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	72205		
103	64.4	51.0	76.6	

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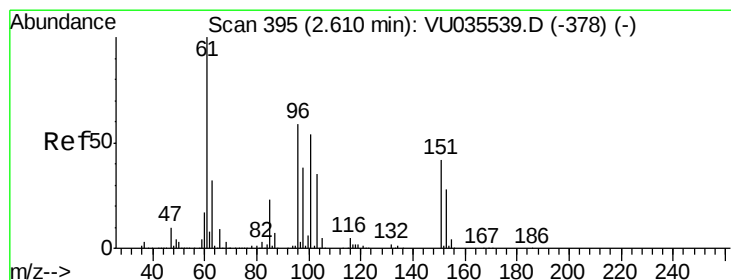


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



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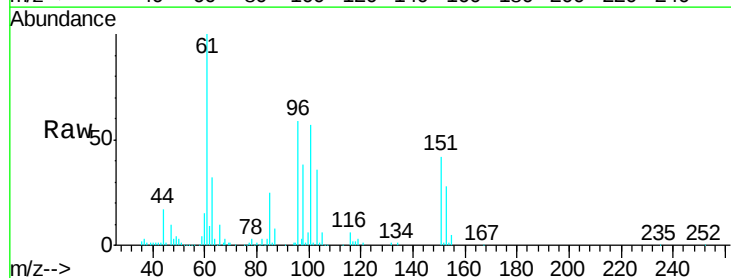
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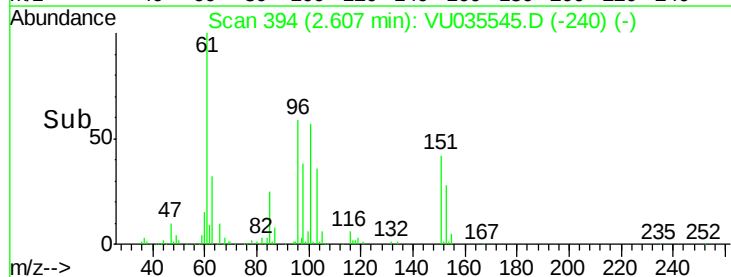
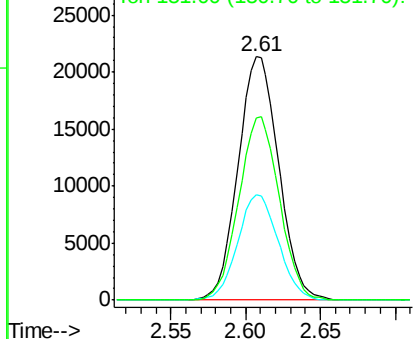
#8

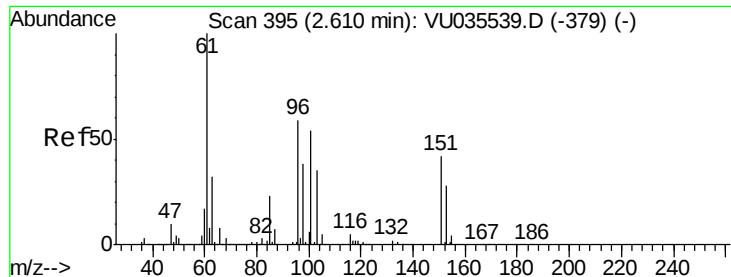
1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.996 ug/l
 RT: 2.61 min Scan# 394
 Delta R.T. -0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	40370		
85	43.2	35.8	53.6	
151	75.0	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: 1.909 ug/l

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

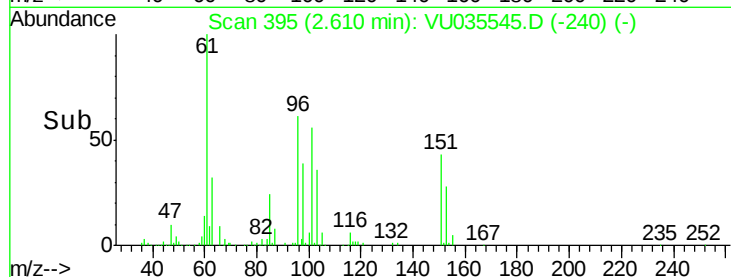
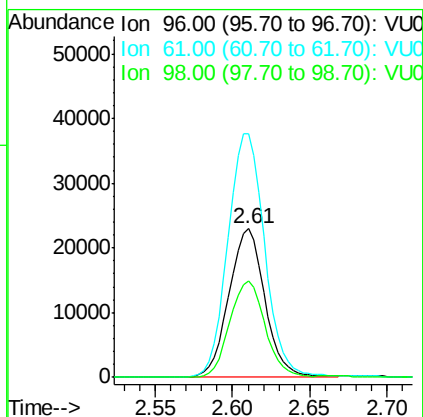
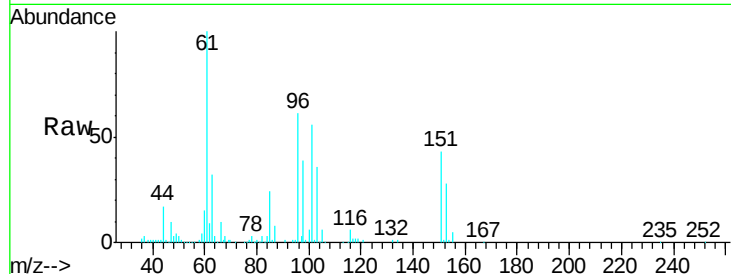
MSVOA_U

ClientSampleId :

VN1029WBS01

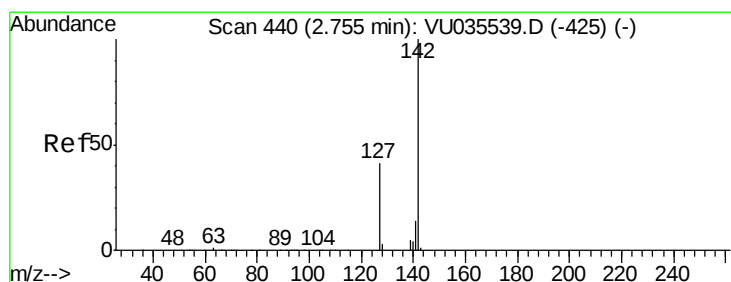
Tgt Ion:	96	Resp:	37251
Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	508.8
98	64.6	0.0	130.4

Manual Integrations
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#10

Iodomethane

Concen: 1.832 ug/l

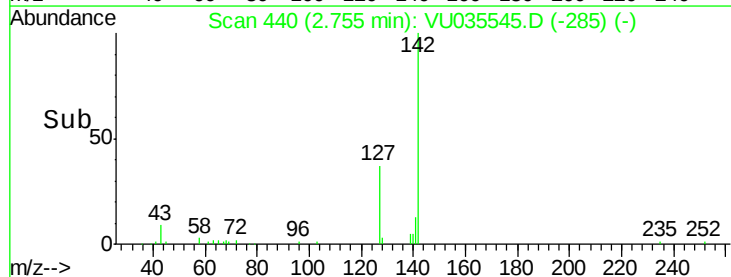
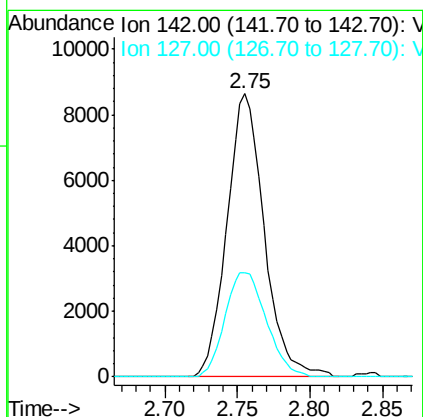
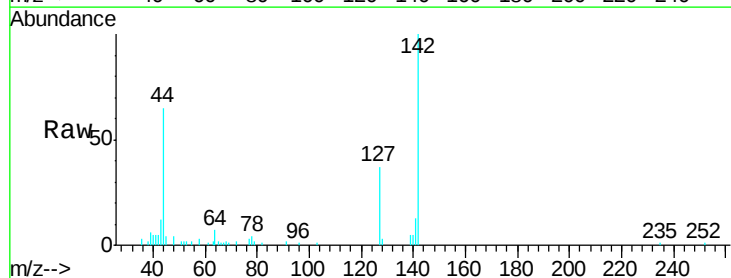
RT: 2.75 min Scan# 440

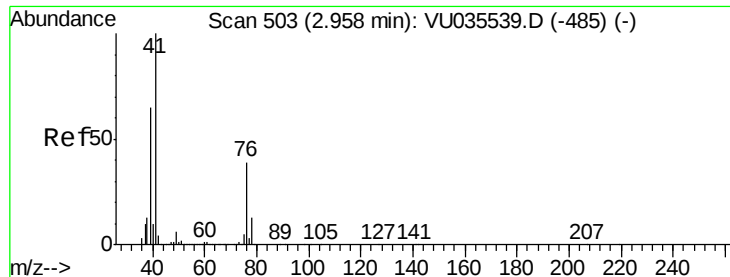
Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Tgt Ion:	142	Resp:	15409
Ion	Ratio	Lower	Upper
142	100		
127	40.9	33.4	50.0



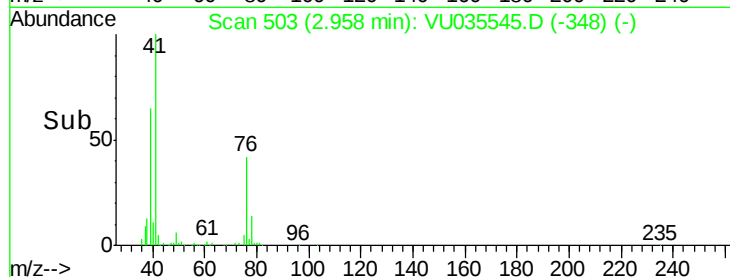
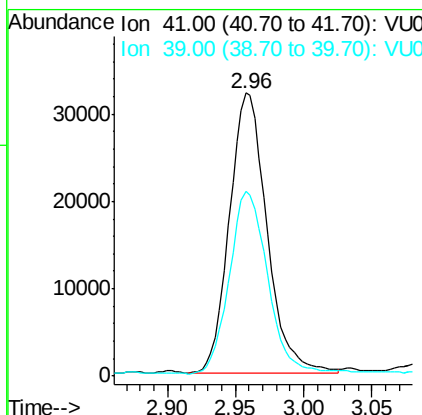
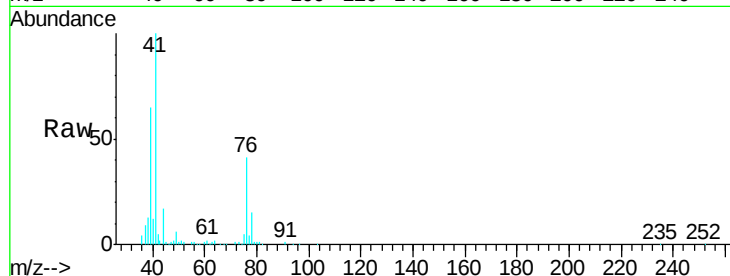


#11
 Allyl Chloride
 Concen: 1.858 ug/l
 RT: 2.96 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBS01

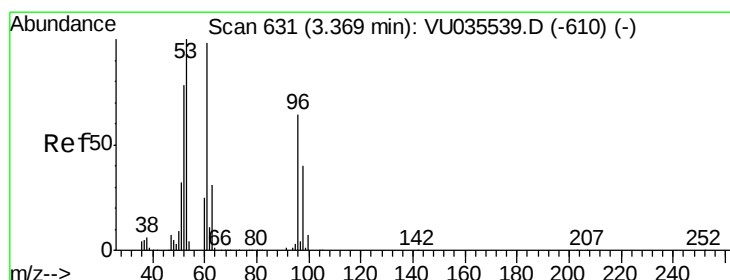
Tgt Ion: 41 Resp: 60941
 Ion Ratio Lower Upper
 41 100
 39 67.4 52.0 78.0

Manual Integrations
 APPROVED



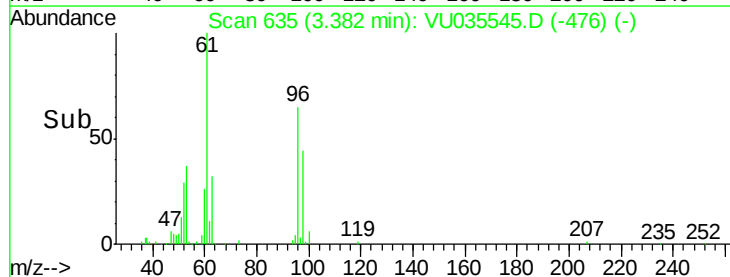
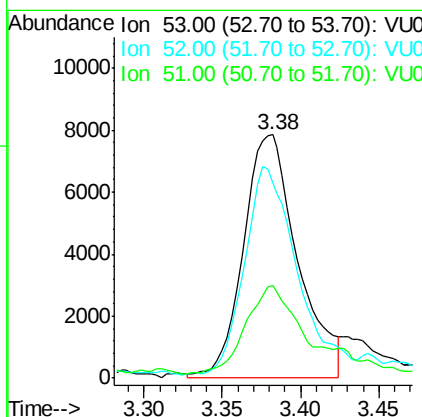
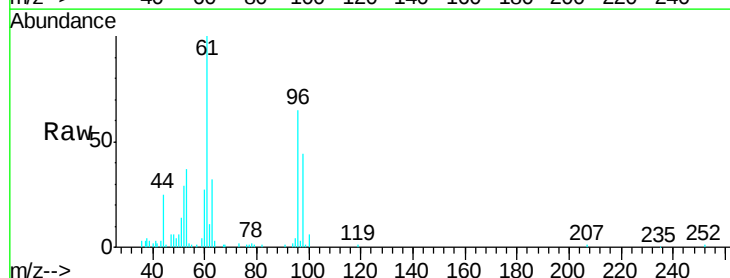
MMDadoda

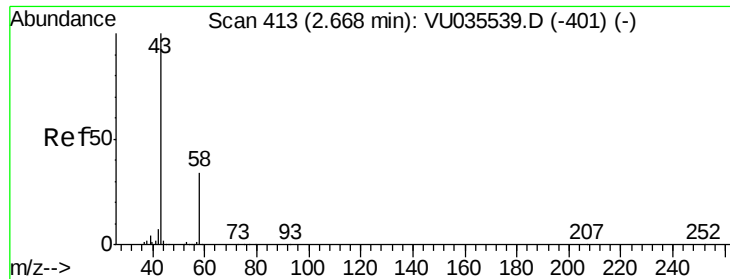
10/30/2019 10:39:19 AM



#12
 Acrylonitrile
 Concen: 3.886 ug/l m
 RT: 3.38 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Tgt Ion: 53 Resp: 19040
 Ion Ratio Lower Upper
 53 100
 52 81.6 67.4 101.0
 51 42.1 27.0 40.4#



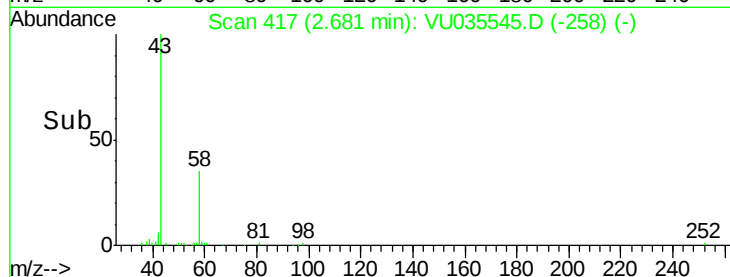
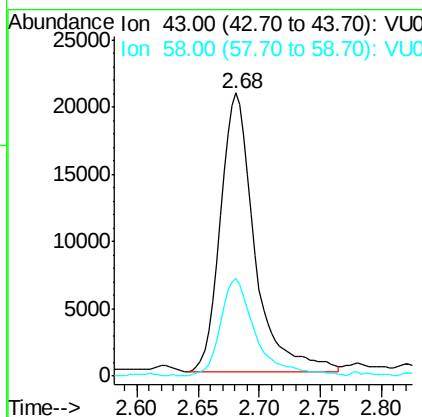
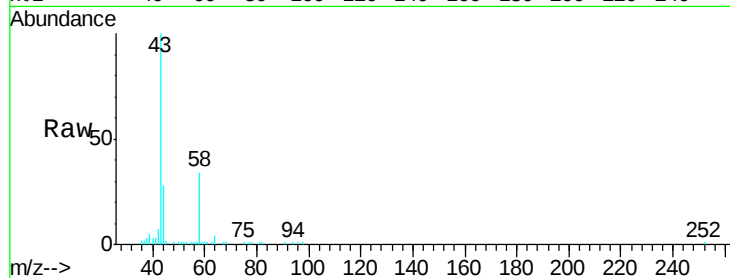


#13
Acetone
Concen: 8.616 ug/l
RT: 2.68 min Scan# 417
Delta R.T. 0.01 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

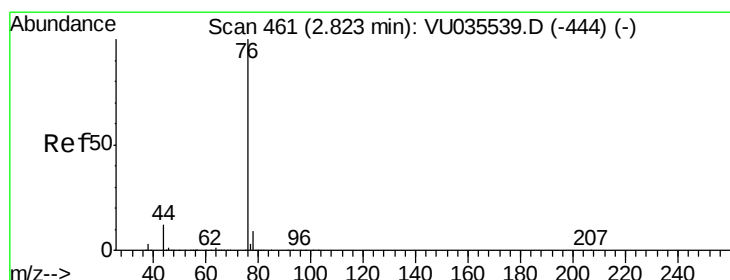
Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.6	41.4

Manual Integrations
APPROVED



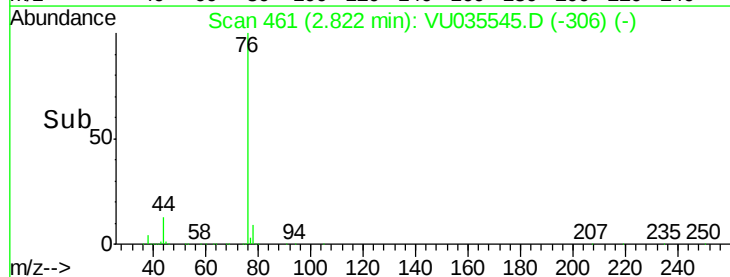
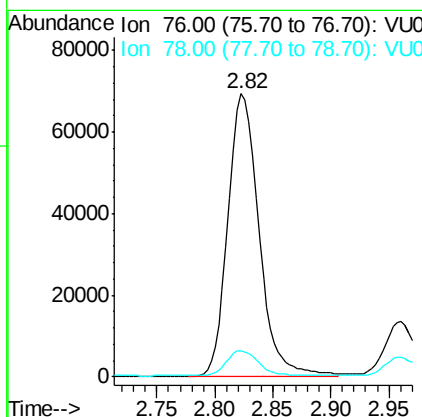
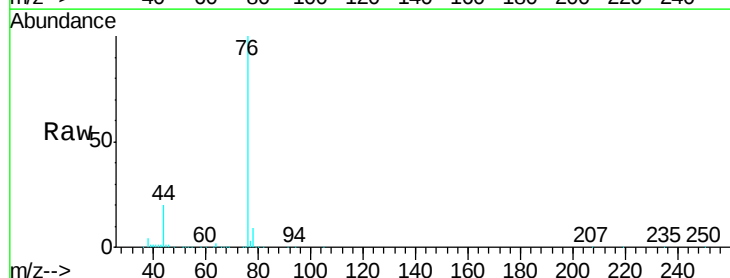
MMDadoda

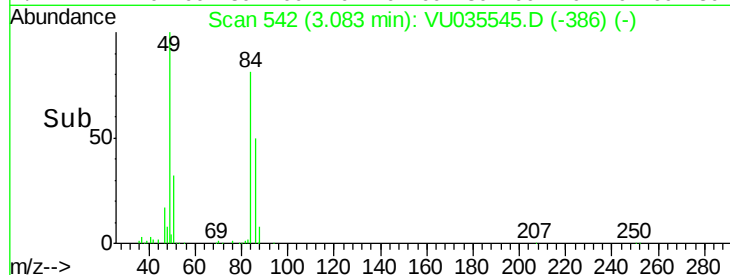
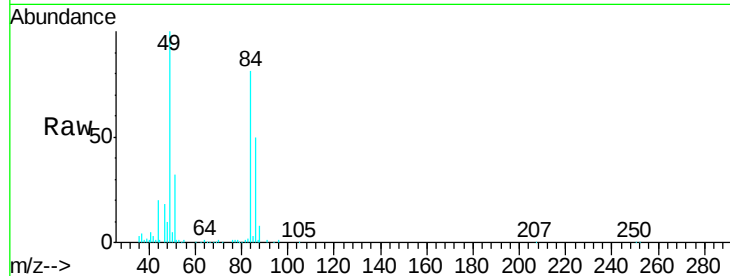
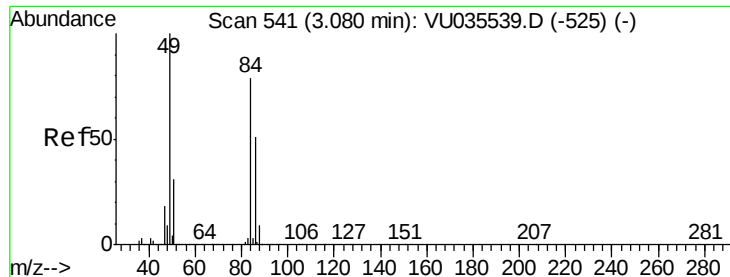
10/30/2019 10:39:19 AM



#14
Carbon Disulfide
Concen: 1.880 ug/l
RT: 2.82 min Scan# 461
Delta R.T. -0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

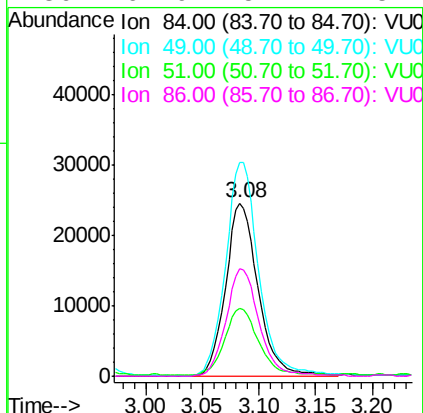
Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2





#15
Methylene Chloride
Concen: 1.960 ug/l
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.3	101.5	152.3
51	38.6	0.0	78.6
86	61.9	52.2	78.2

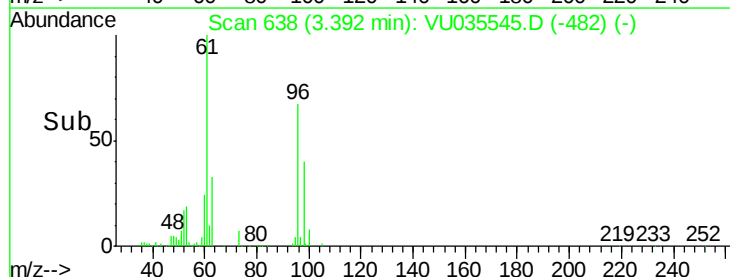
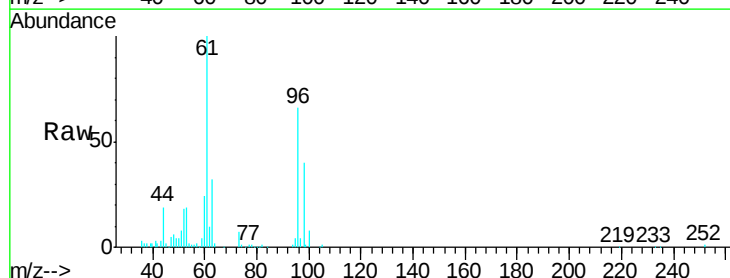
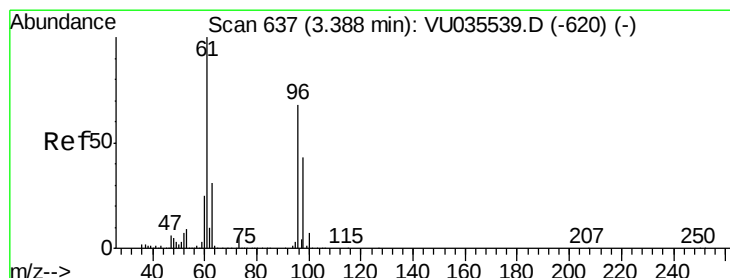


Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

Manual Integrations
APPROVED

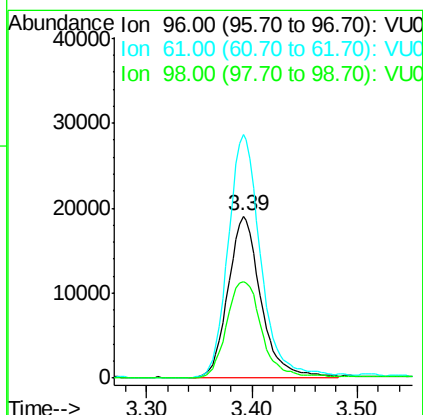
MMDadoda

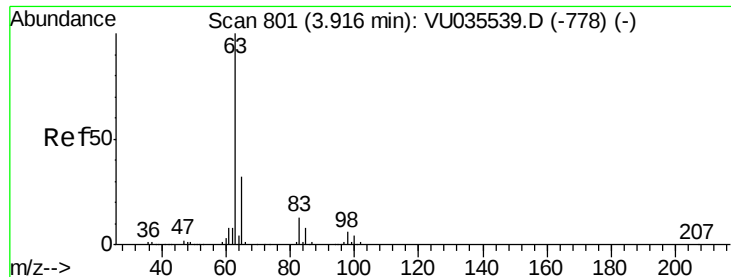
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#16
trans-1,2-Dichloroethene
Concen: 1.931 ug/l
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.5	117.8	176.8
98	59.8	50.2	75.2





#17

1,1-Dichloroethane

Concen: 1.945 ug/l

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

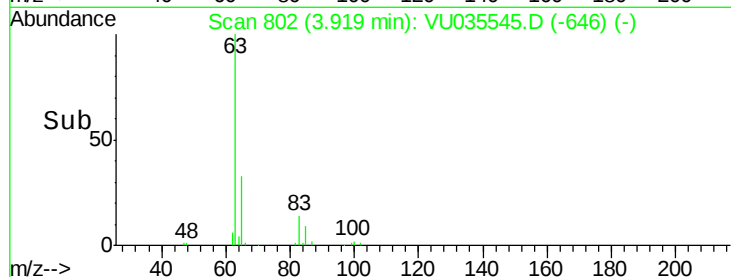
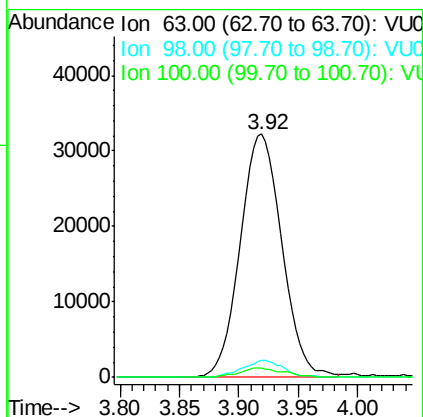
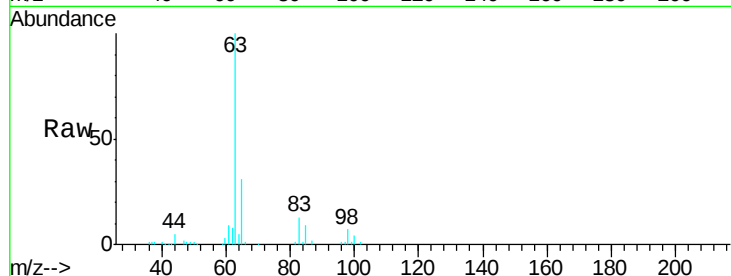
MSVOA_U

ClientSampleId :

VN1029WBS01

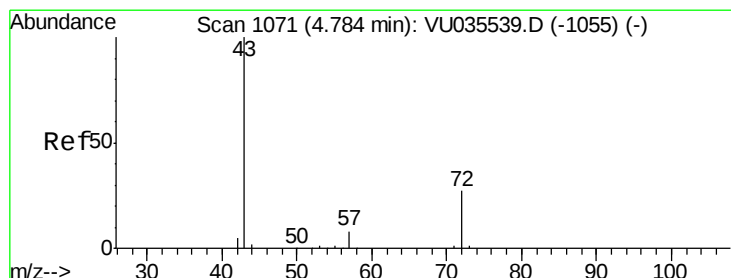
Tgt Ion:	63	Resp:	78218
Ion Ratio	Lower	Upper	
63	100		
98	7.1	3.1	9.3
100	3.8	2.1	6.3

Manual Integrations
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#18

2-Butanone

Concen: 8.543 ug/l

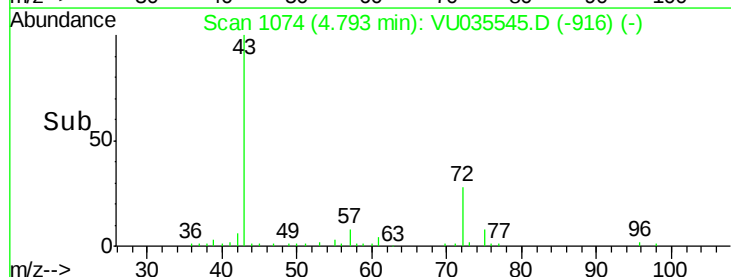
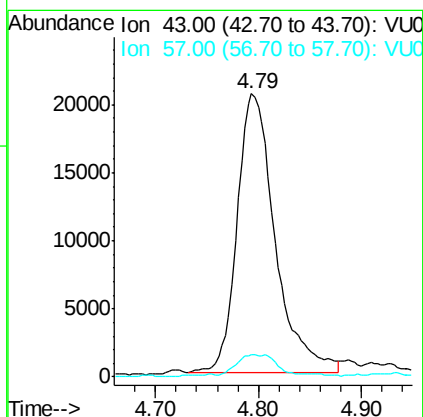
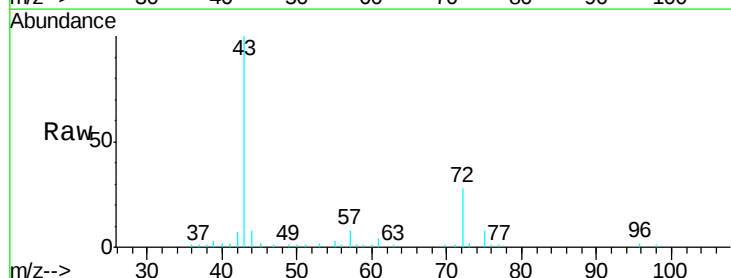
RT: 4.79 min Scan# 1074

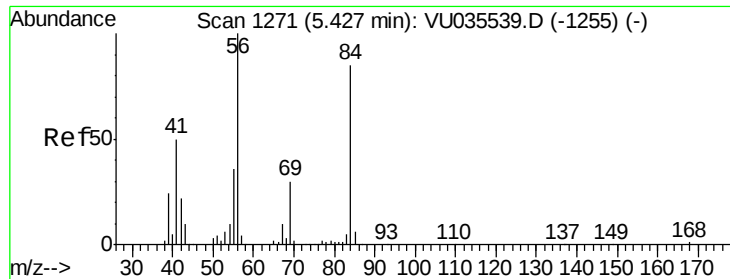
Delta R.T. 0.01 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Tgt Ion:	43	Resp:	52651
Ion Ratio	Lower	Upper	
43	100		
57	7.6	0.0	17.0



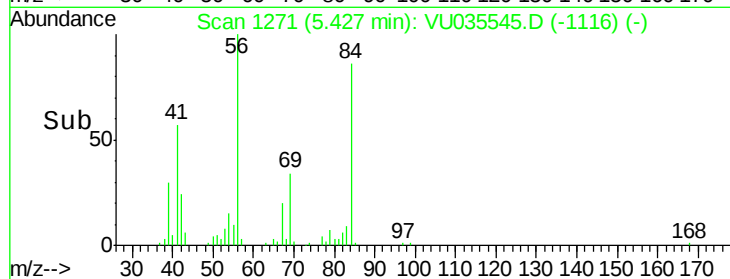
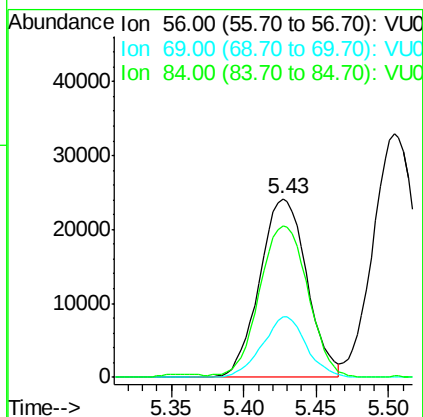
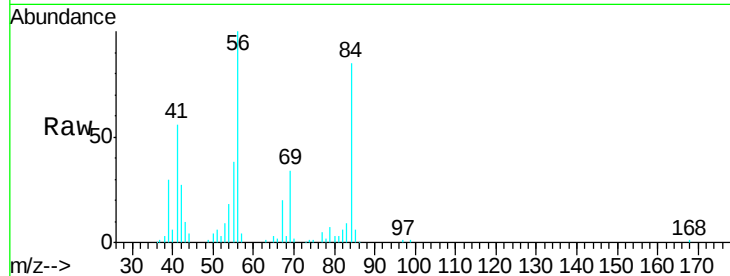


#19
Cyclohexane
Concen: 1.723 ug/l m
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

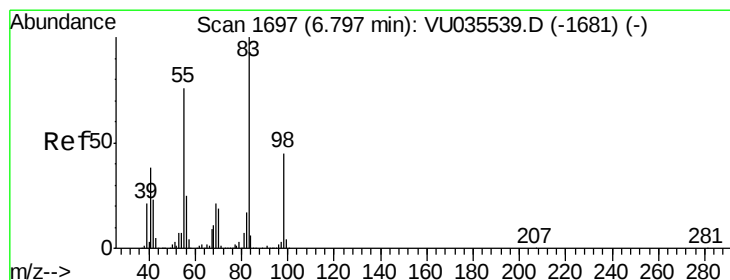
Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.5	26.4	39.6
84	85.4	72.9	109.3

Manual Integrations
APPROVED



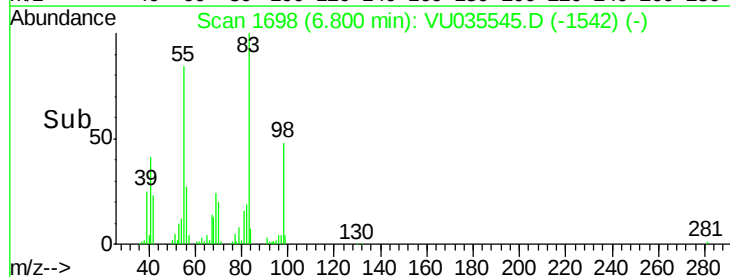
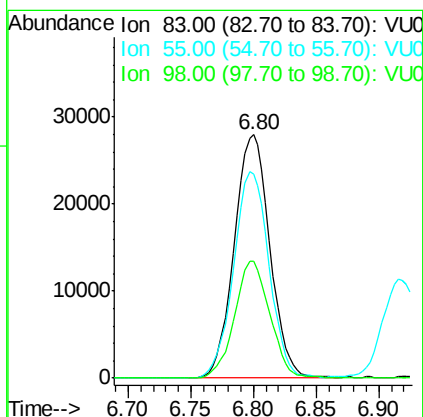
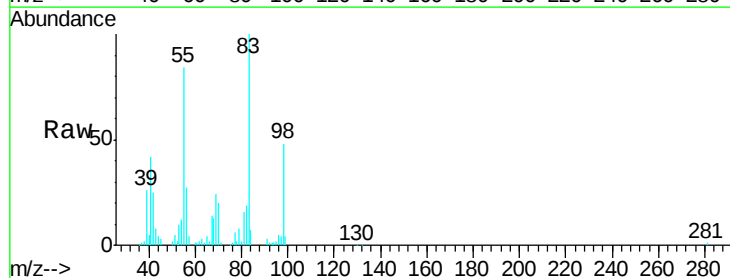
MMDadoda

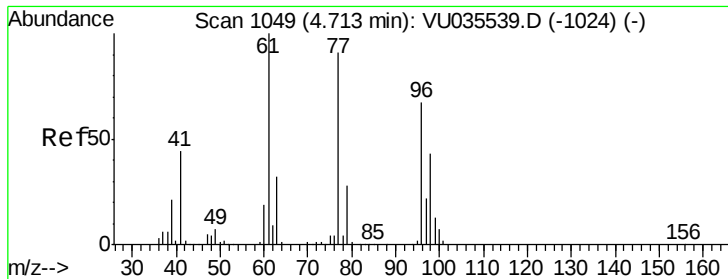
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#20
Methylcyclohexane
Concen: 1.692 ug/l
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.9	61.2	91.8
98	47.2	36.7	55.1



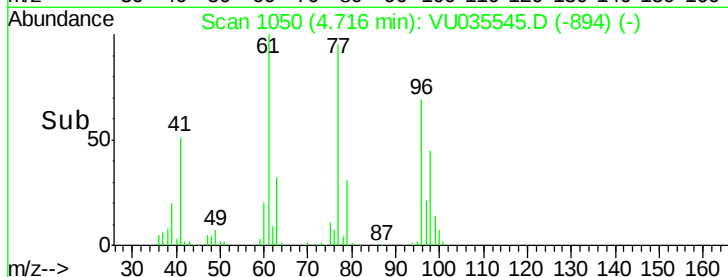
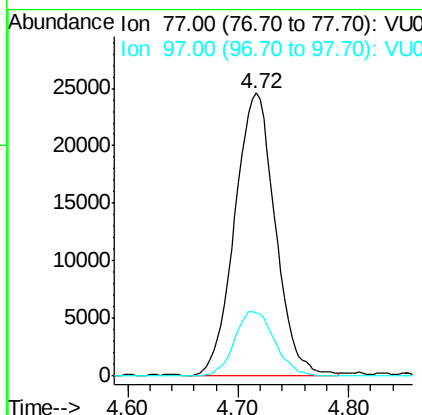
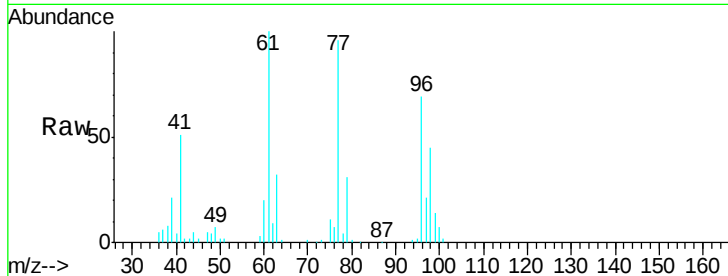


#21
 2,2-Dichloropropane
 Concen: 1.806 ug/l
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBS01

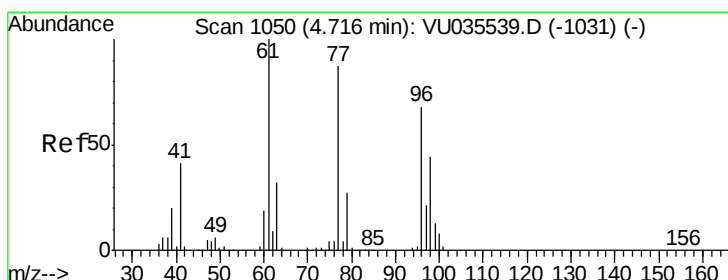
Tgt Ion: 77 Resp: 62678
 Ion Ratio Lower Upper
 77 100
 97 22.6 18.8 28.2

Manual Integrations
 APPROVED



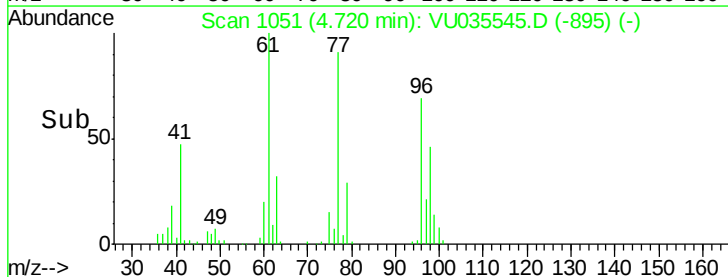
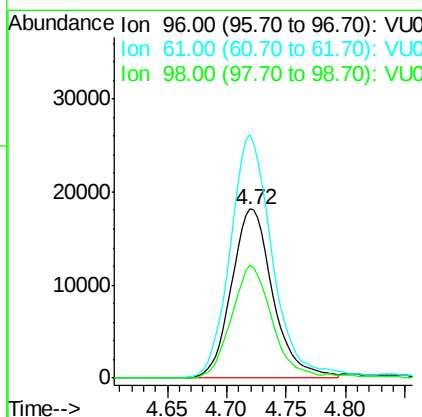
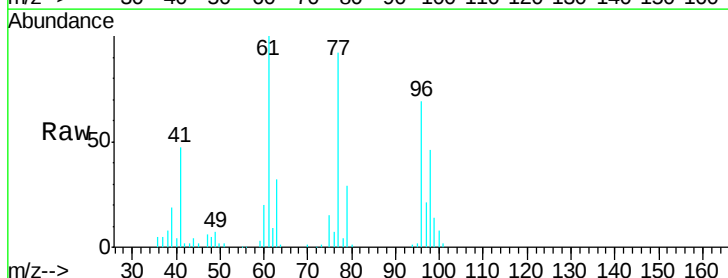
MMDadoda

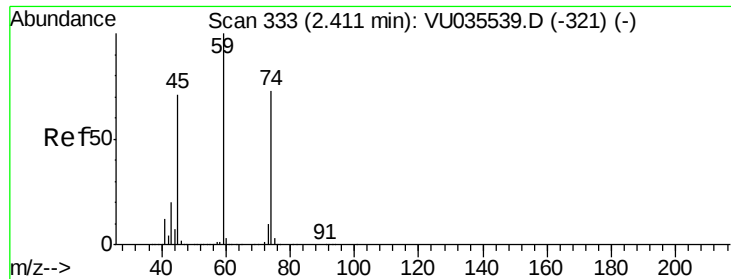
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#22
 cis-1,2-Dichloroethene
 Concen: 1.912 ug/l
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Tgt Ion: 96 Resp: 43920
 Ion Ratio Lower Upper
 96 100
 61 147.0 0.0 370.5
 98 64.5 31.8 95.4



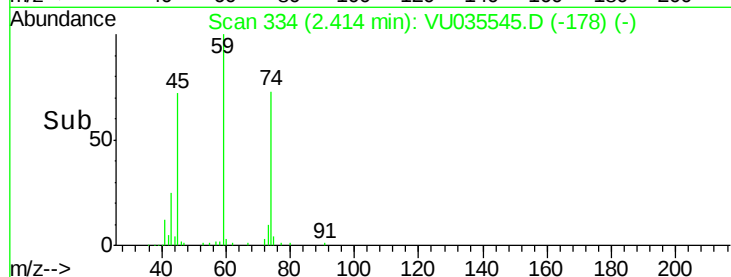
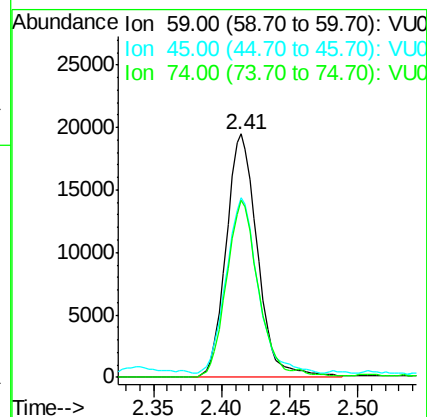
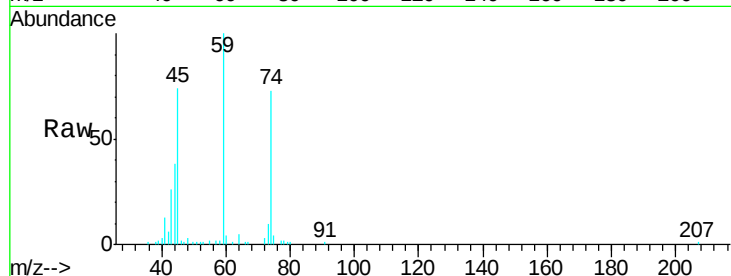


#23
Diethyl Ether
Concen: 1.935 ug/l
RT: 2.41 min Scan# 334
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

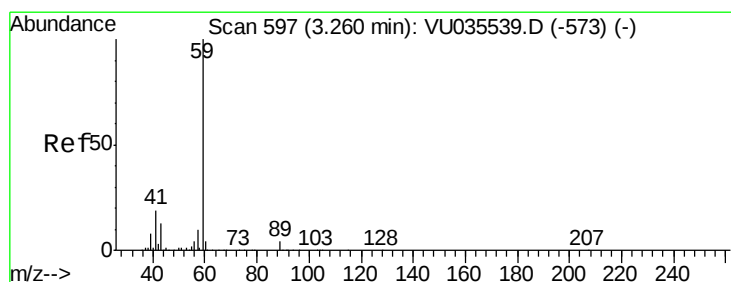
Tgt Ion	Ratio	Lower	Upper
59	100		
45	73.1	56.9	85.3
74	74.9	59.5	89.3

Manual Integrations
APPROVED



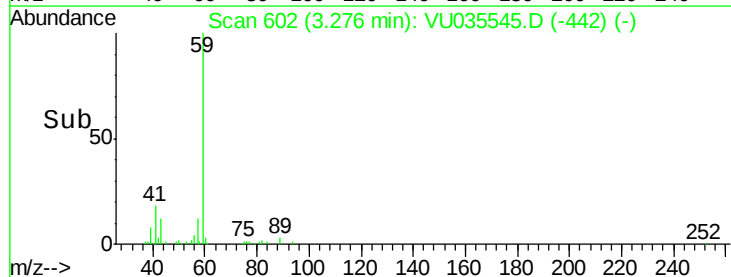
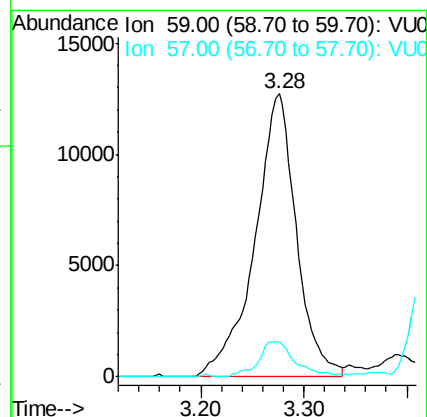
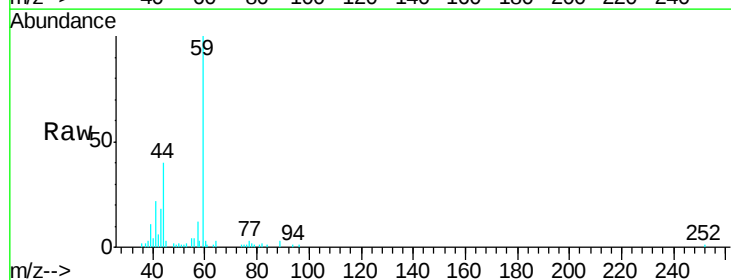
MMDadoda

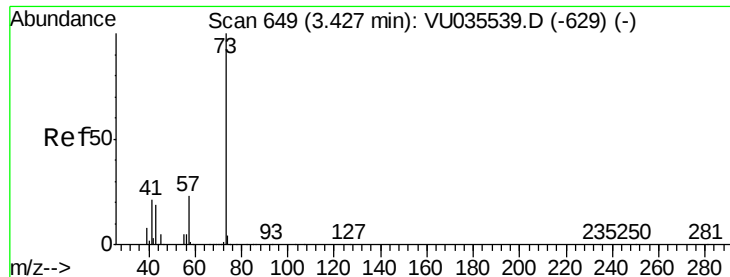
10/30/2019 10:39:19 AM



#24
tert-Butyl Alcohol
Concen: 19.870 ug/l
RT: 3.28 min Scan# 602
Delta R.T. 0.02 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.0	7.4	11.0





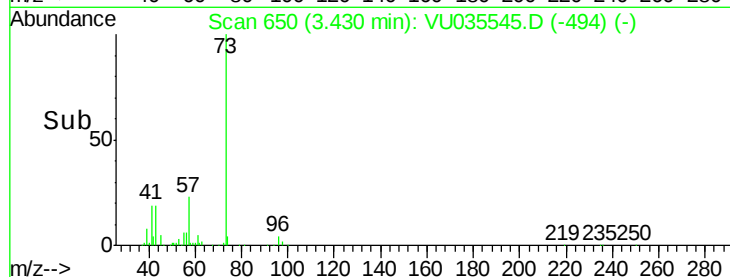
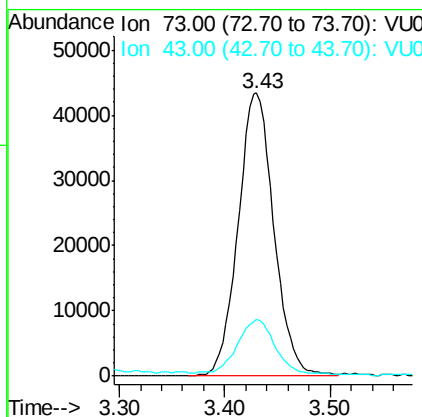
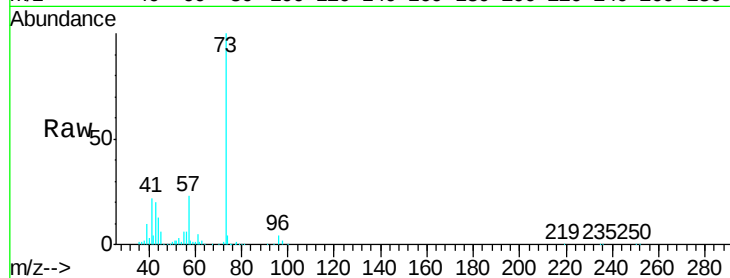
#25

Methyl tert-Butyl Ether
Concen: 1.955 ug/l
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

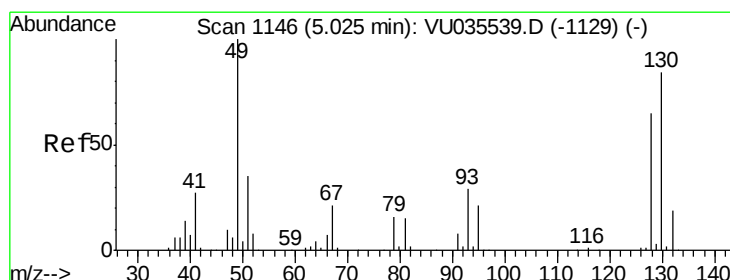
Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.4	15.4	23.2

Manual Integrations
APPROVED



MMDadoda

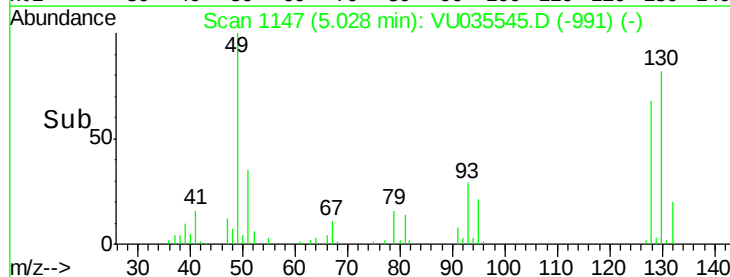
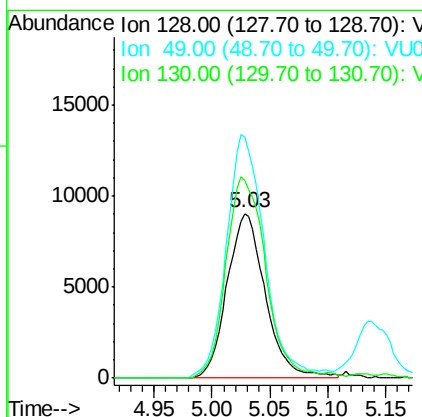
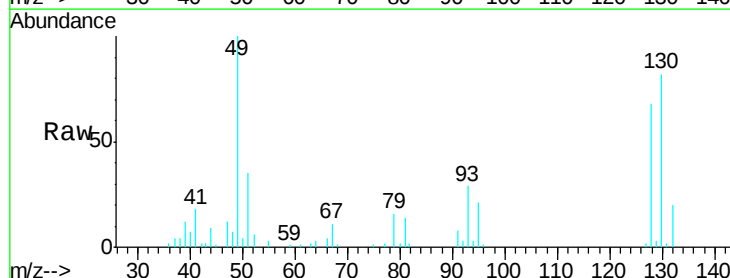
10/30/2019 10:39:19 AM

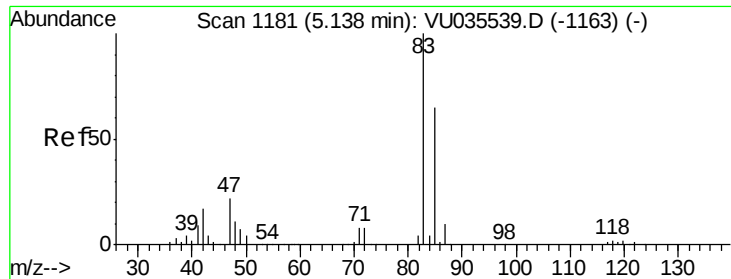


#26

Bromochloromethane
Concen: 2.027 ug/l
RT: 5.03 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
128	100		
49	147.5	0.0	309.0
130	126.0	101.8	152.8



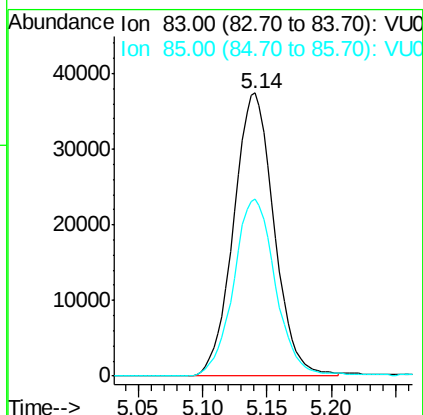
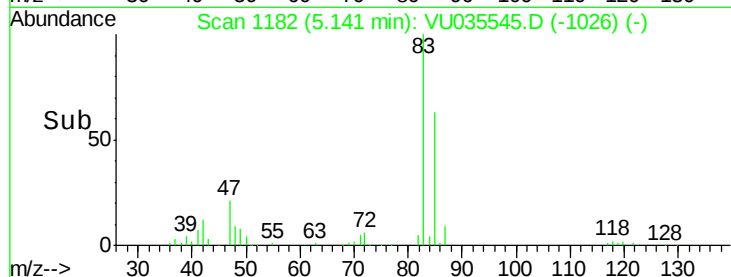
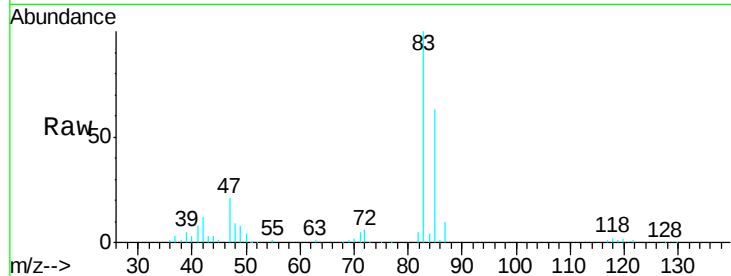


#27
Chloroform
Concen: 1.904 ug/l
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

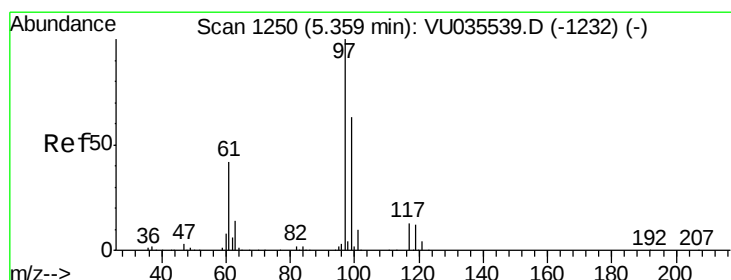
Tgt Ion: 83 Resp: 81782
Ion Ratio Lower Upper
83 100
85 62.6 0.0 130.6

Manual Integrations
APPROVED



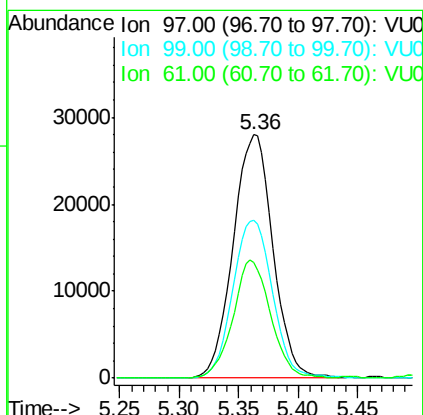
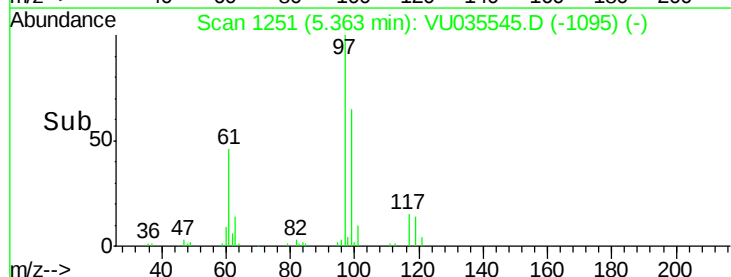
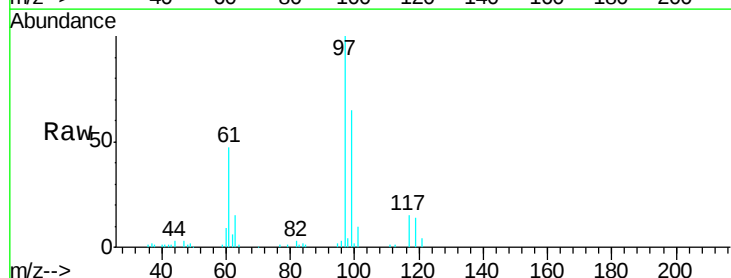
MMDadoda

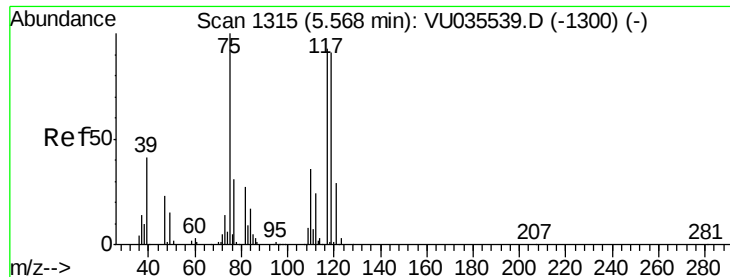
10/30/2019 10:39:19 AM



#28
1,1,1-Trichloroethane
Concen: 1.906 ug/l
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion: 97 Resp: 64875
Ion Ratio Lower Upper
97 100
99 64.7 32.6 97.7
61 45.8 21.8 65.4



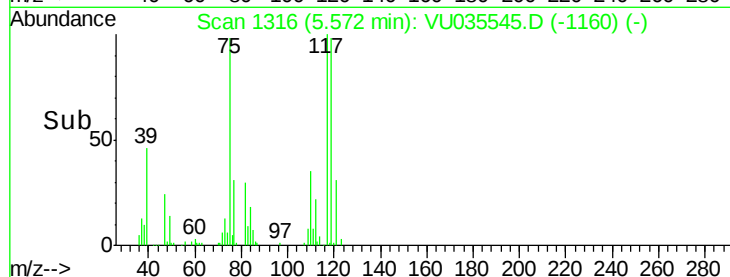
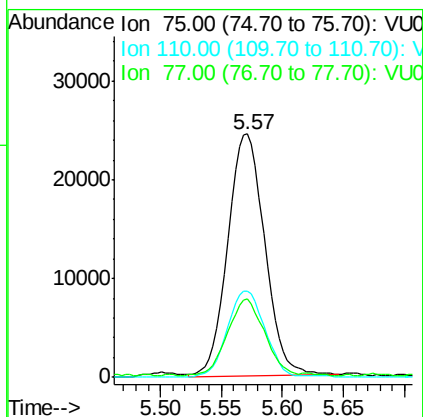
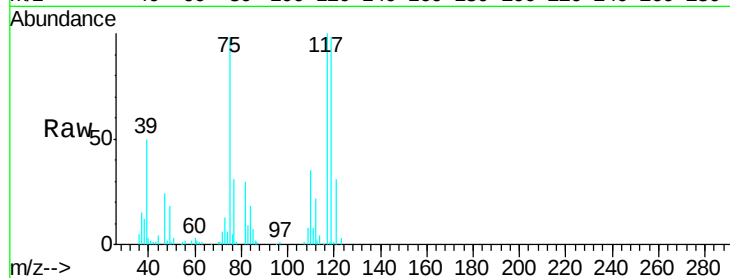


#29
1,1-Dichloropropene
Concen: 1.810 ug/l
RT: 5.57 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

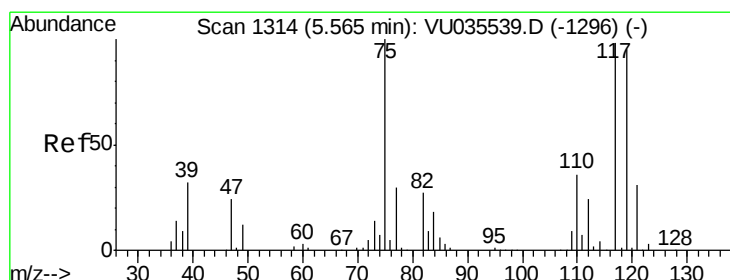
Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.3	54.8
77	31.2	24.6	37.0

Manual Integrations
APPROVED



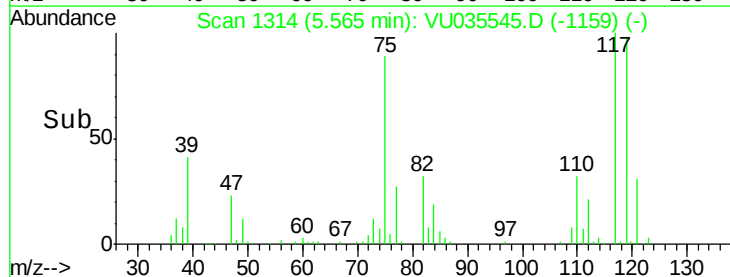
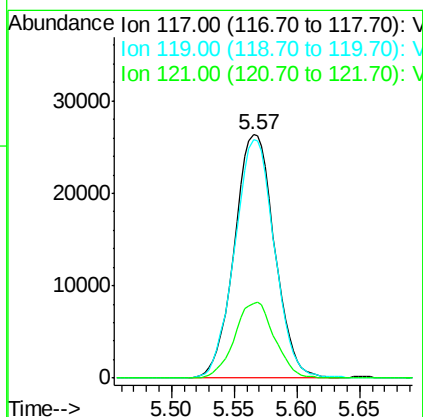
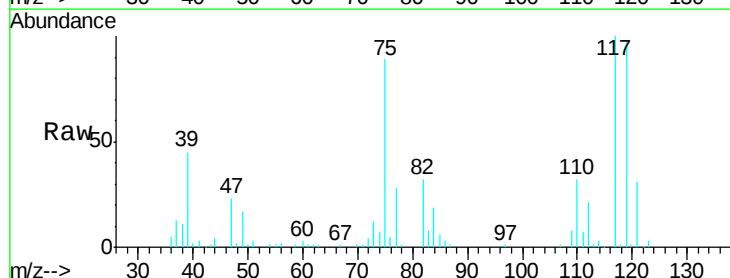
MMDadoda

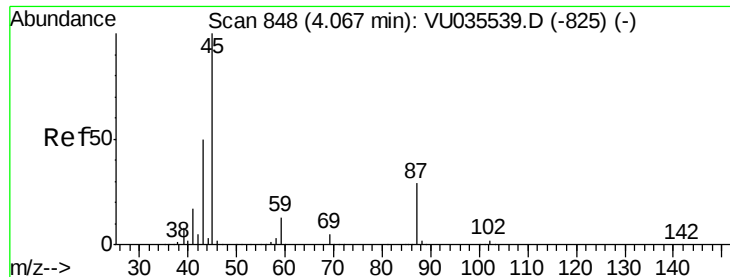
10/30/2019 10:39:19 AM



#30
Carbon Tetrachloride
Concen: 1.938 ug/l
RT: 5.57 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.3	115.9
121	30.7	25.2	37.8





#31

Isopropyl Ether

Concen: 1.828 ug/l

RT: 4.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

Tgt Ion: 45 Resp: 102627

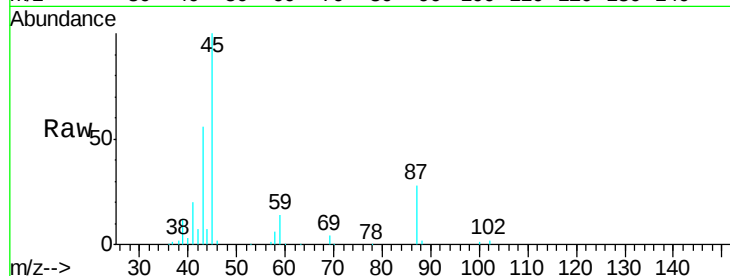
Ion Ratio Lower Upper

45 100

43 54.7 25.3 75.8

Manual Integrations

APPROVED



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

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

40000

30000

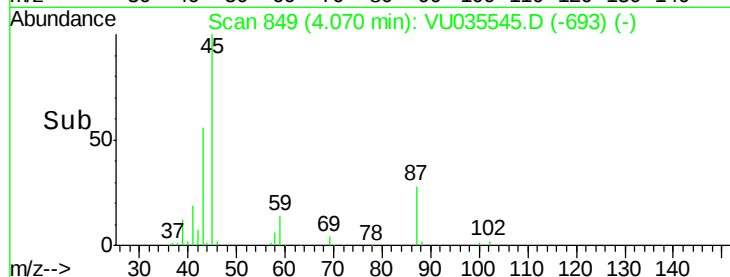
20000

10000

0

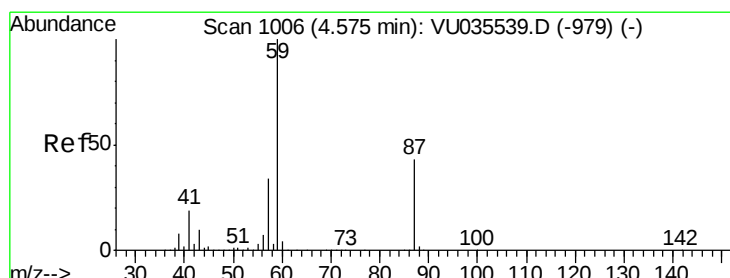
4.00 4.10 4.20

Time-->



MMDadoda

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#32

Ethyl-t-butyl ether

Concen: 1.750 ug/l

RT: 4.57 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VU035545.D

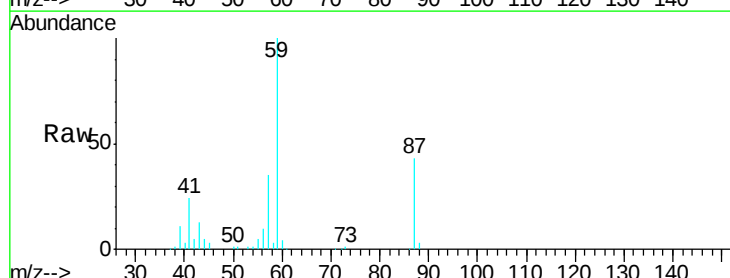
Acq: 29 Oct 2019 18:27

Tgt Ion: 59 Resp: 90953

Ion Ratio Lower Upper

59 100

87 44.9 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) (-)

40000

30000

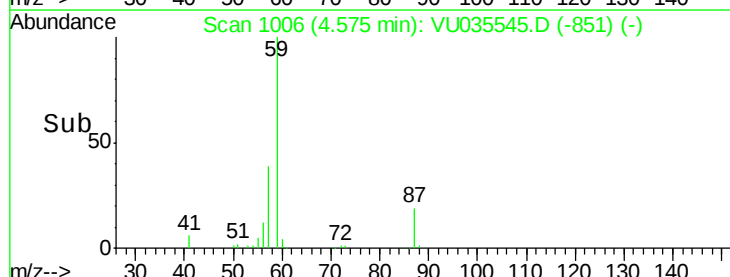
20000

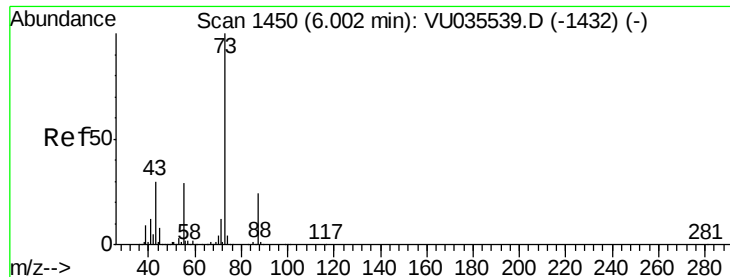
10000

0

4.45 4.50 4.55 4.60 4.65

Time-->



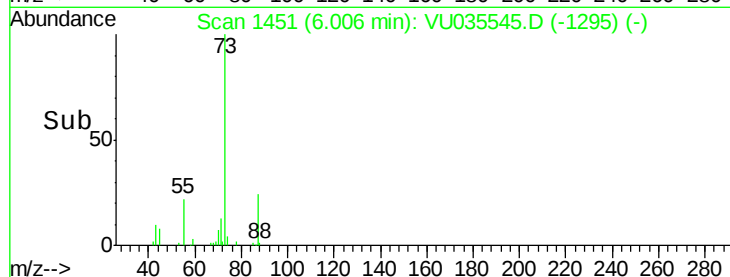
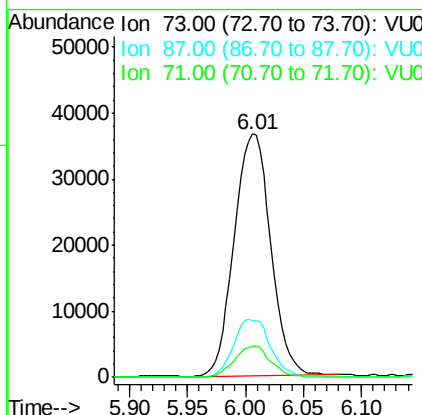
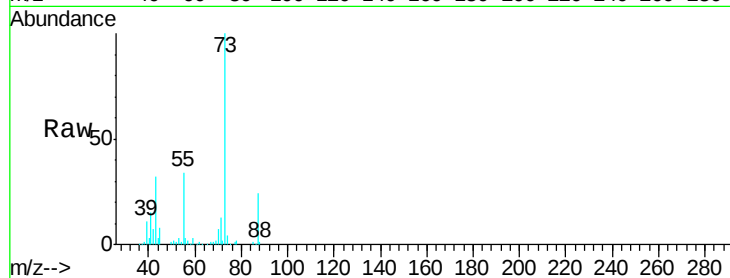


#33
Tert-Amyl methyl ether
Concen: 1.802 ug/l
RT: 6.01 min Scan# 1451
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

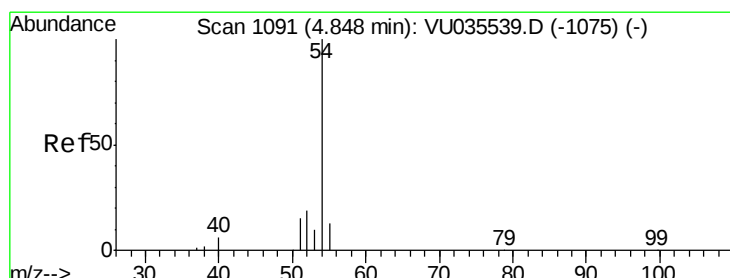
Tgt Ion	Ratio	Lower	Upper
73	100		
87	24.5	19.5	29.3
71	12.7	9.4	14.2

Manual Integrations
APPROVED



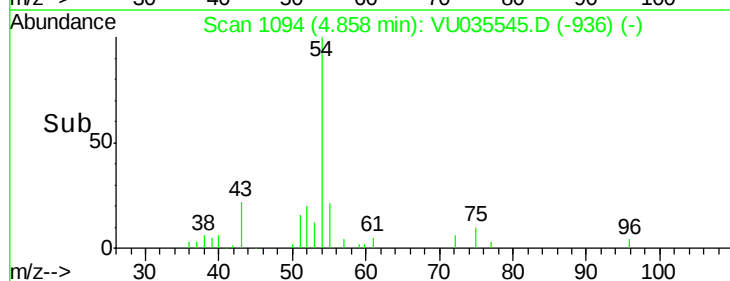
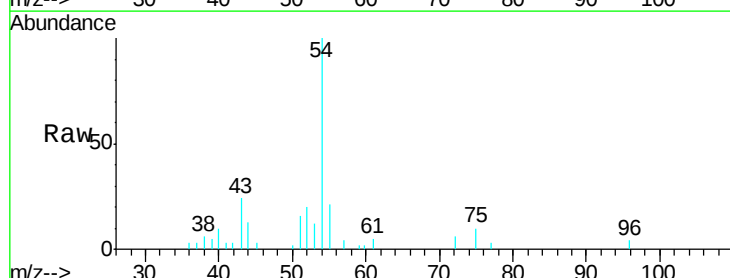
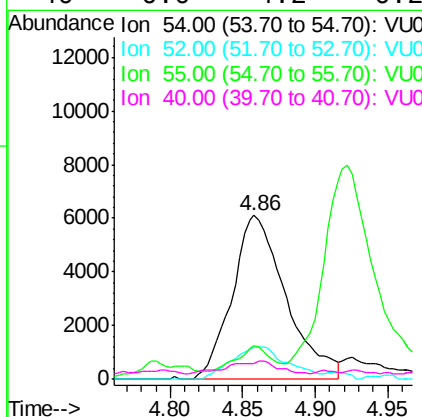
MMDadoda

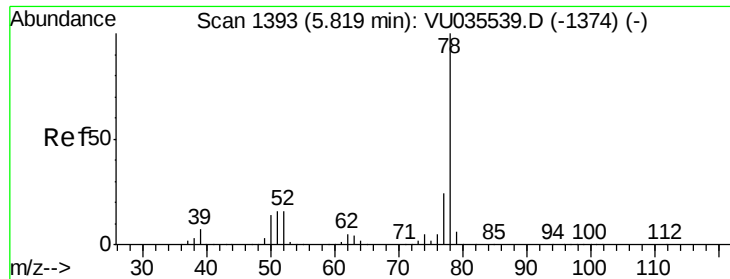
10/30/2019 10:39:19 AM



#34
Propionitrile
Concen: 8.808 ug/l
RT: 4.86 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.4	14.6	21.8
55	9.4	11.7	17.5
40	6.0	4.2	6.2





#35

Benzene

Concen: 1.894 ug/l

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

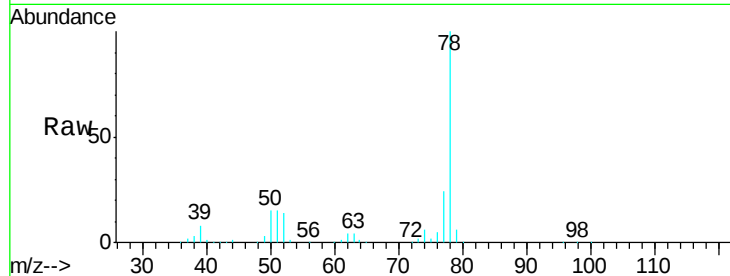
Tgt Ion: 78 Resp: 164983

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.4

Manual Integrations
APPROVED



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

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

5.82

80000

60000

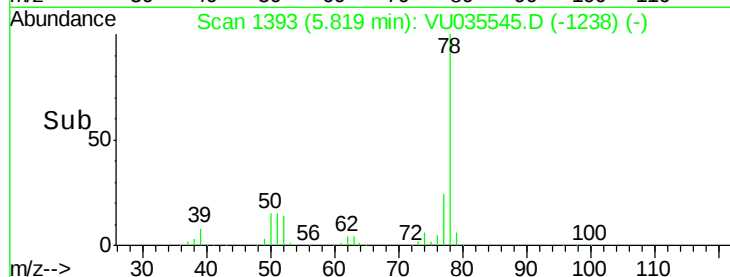
40000

20000

0

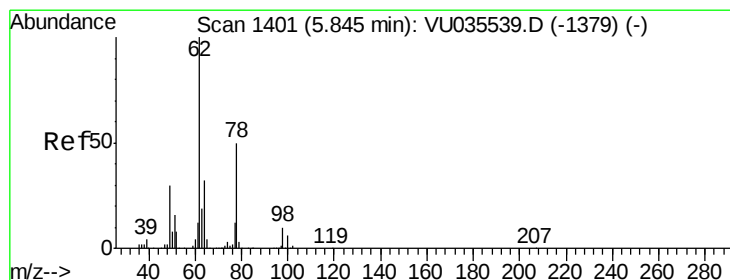
5.70 5.80 5.90

Time-->



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#36

1,2-Dichloroethane

Concen: 1.940 ug/l

RT: 5.85 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VU035545.D

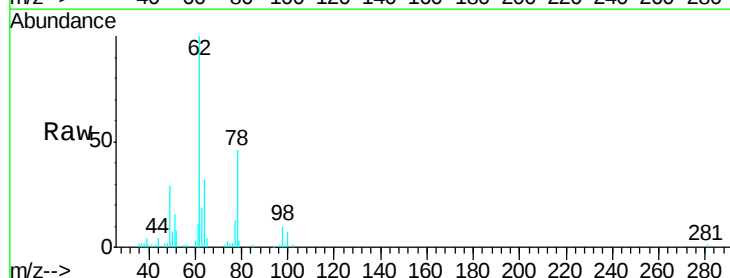
Acq: 29 Oct 2019 18:27

Tgt Ion: 62 Resp: 48419

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) (-)

5.85

25000

20000

15000

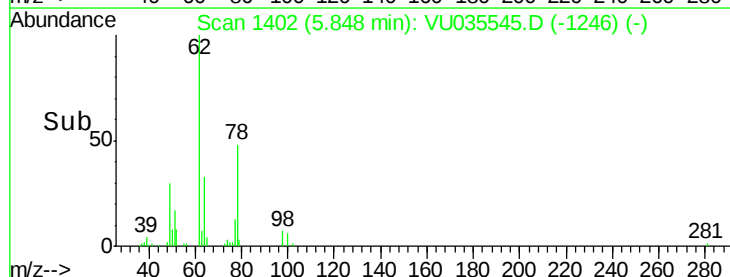
10000

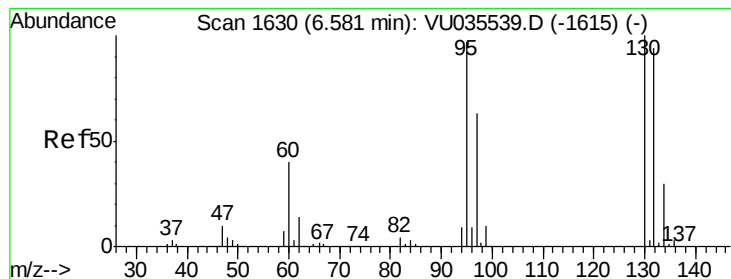
5000

0

5.80 5.90

Time-->





#37

Trichloroethene

Concen: 1.831 ug/l

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

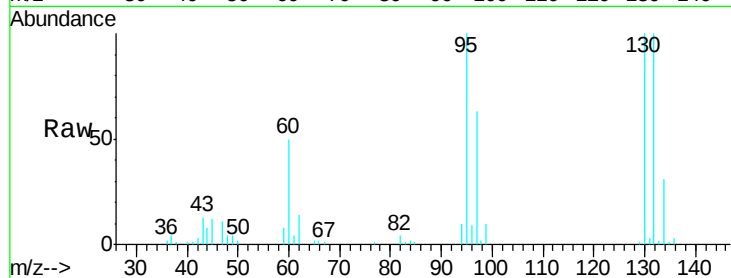
Tgt Ion:130 Resp: 44304

Ion Ratio Lower Upper

130 100

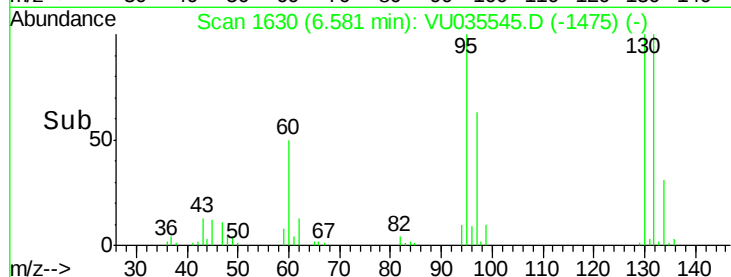
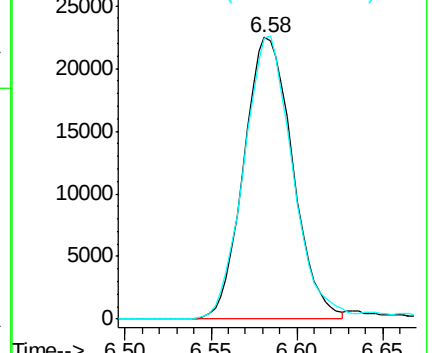
95 99.5 77.5 116.3

Manual Integrations
APPROVED



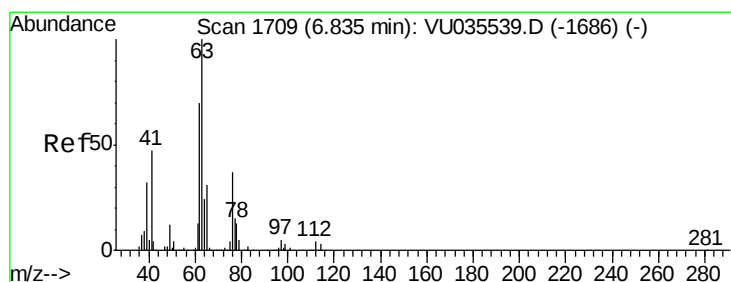
Abundance Ion 129.90 (129.60 to 130.60): VU035539.D (-1615) (-)

Ion 94.90 (94.60 to 95.60): VU035539.D (-1615) (-)



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#38

1,2-Dichloropropane

Concen: 1.937 ug/l

RT: 6.84 min Scan# 1709

Delta R.T. -0.00 min

Lab File: VU035545.D

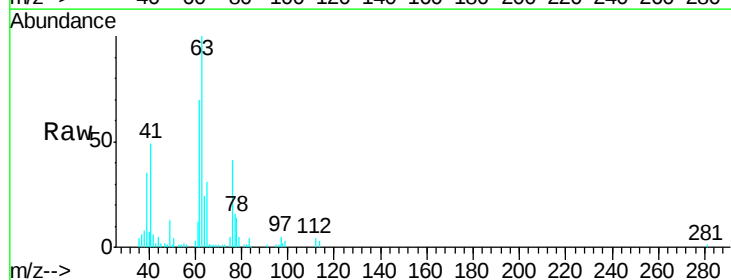
Acq: 29 Oct 2019 18:27

Tgt Ion: 63 Resp: 46258

Ion Ratio Lower Upper

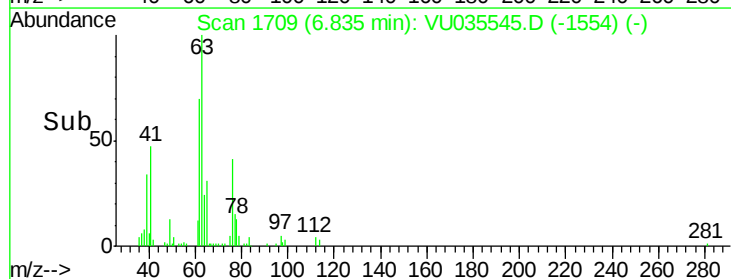
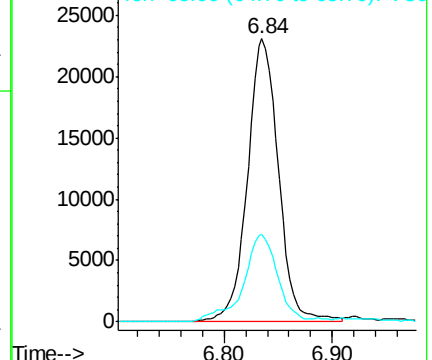
63 100

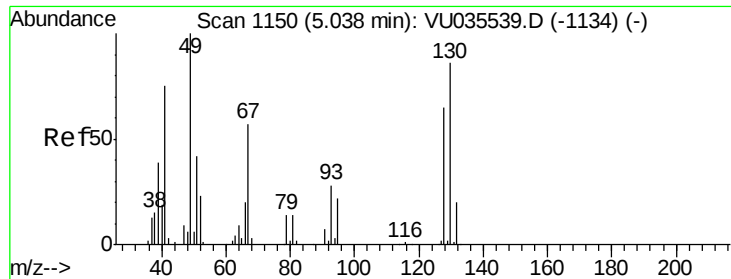
65 30.8 25.0 37.6



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

Ion 65.00 (64.70 to 65.70): VU035539.D (-1686) (-)



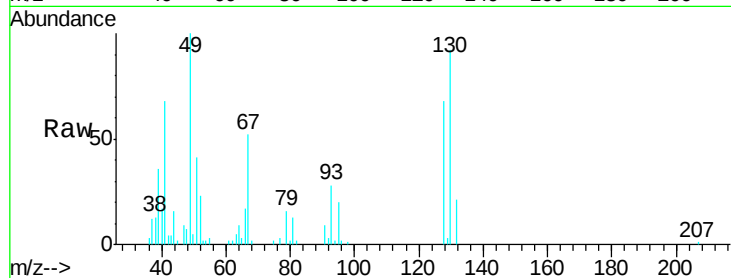


#39
Methacrylonitrile
Concen: 1.985 ug/l
RT: 5.04 min Scan# 1152
Delta R.T. 0.01 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

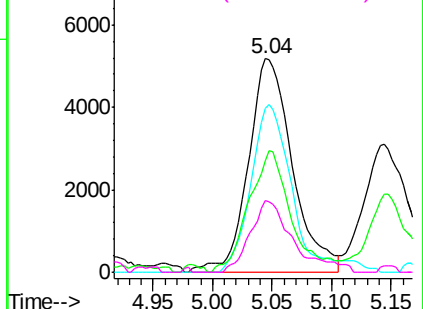
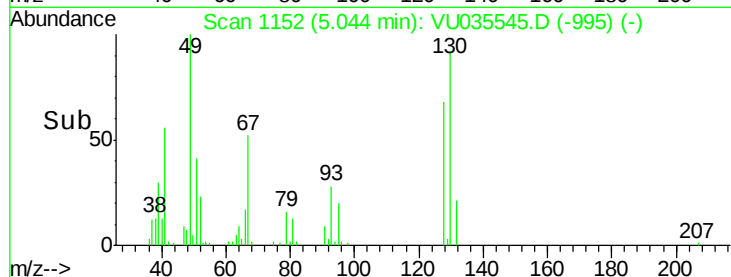
Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
67	73.9	61.5	92.3
39	52.8	41.3	61.9
52	32.4	24.4	36.6

Manual Integrations
APPROVED

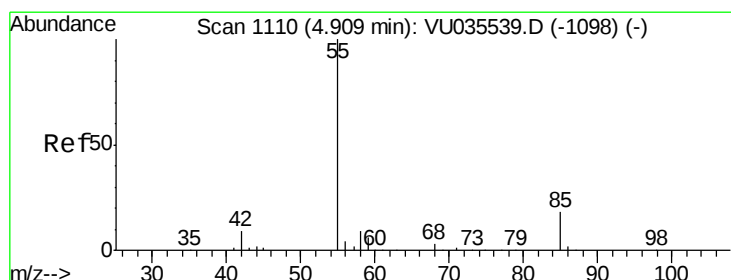


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0



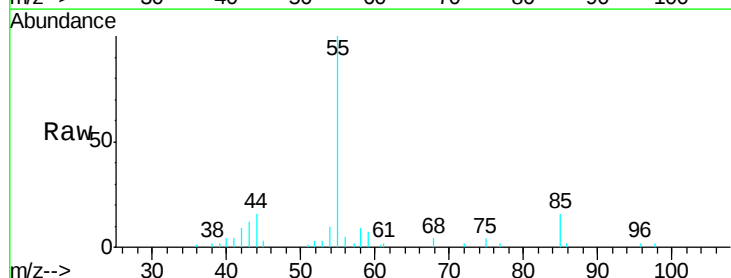
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10/30/2019 10:39:19 AM

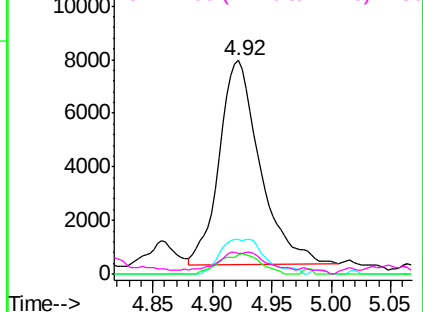
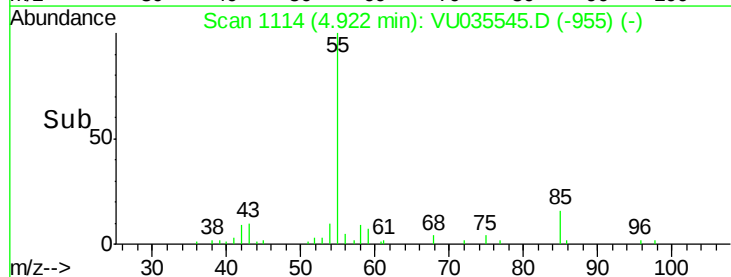


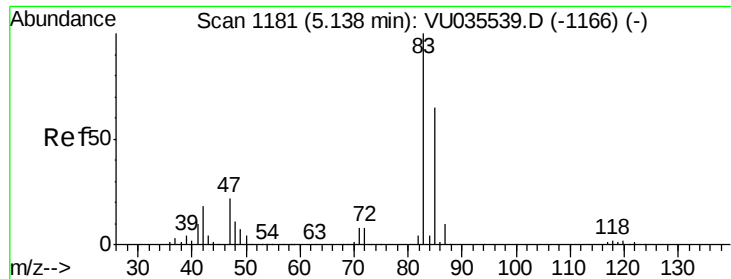
#40
Methyl acrylate
Concen: 1.773 ug/l
RT: 4.92 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
55	100		
85	9.6	13.5	20.3#
58	9.8	6.6	10.0
42	4.6	7.0	10.6#



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0



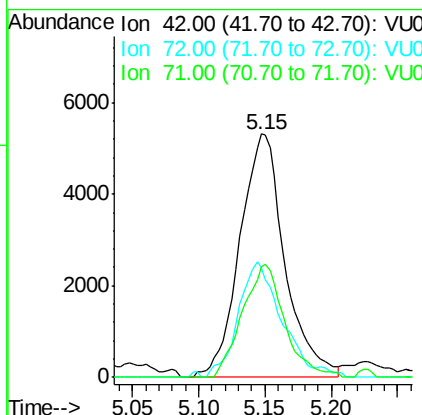
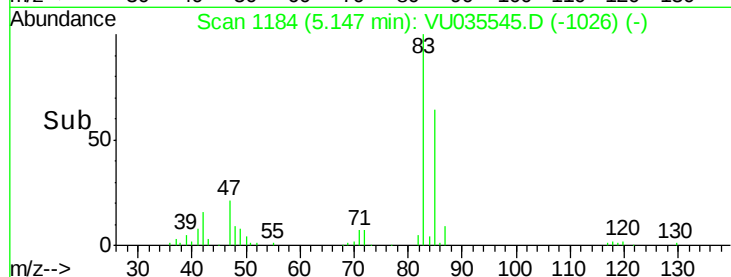
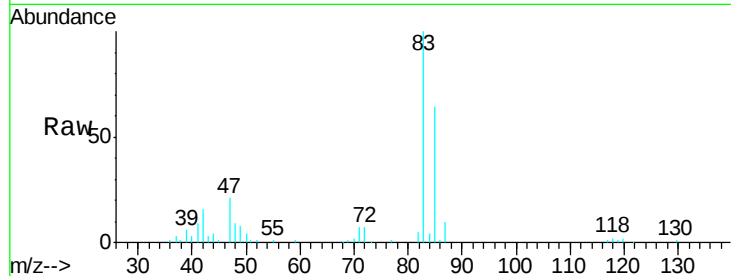


#41
Tetrahydrofuran
Concen: 3.641 ug/l
RT: 5.15 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

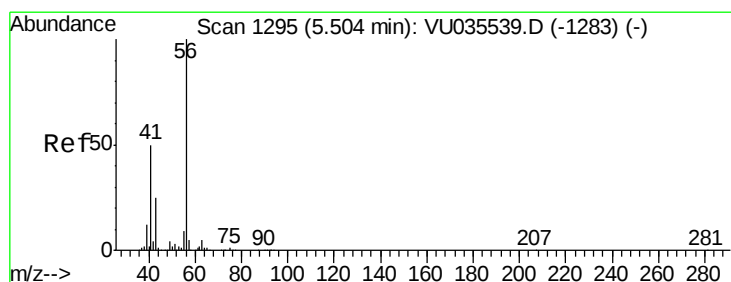
Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.2	89.9	134.9#
71	43.6	3.7	5.5#

Manual Integrations
APPROVED



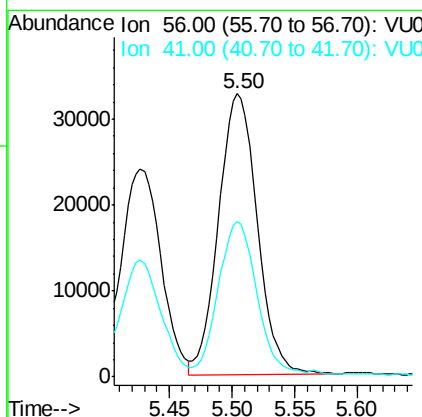
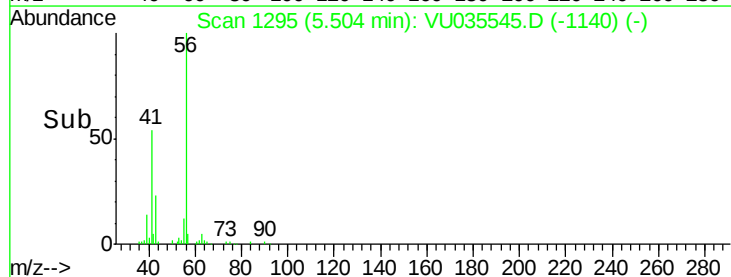
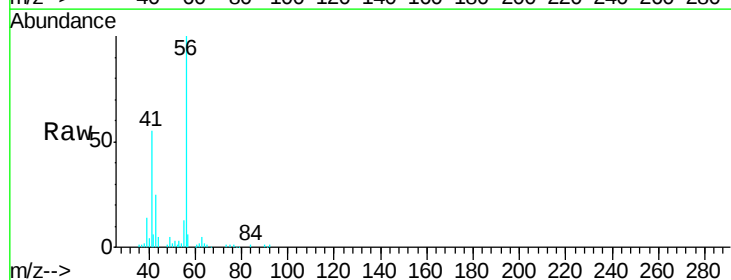
MMDadoda

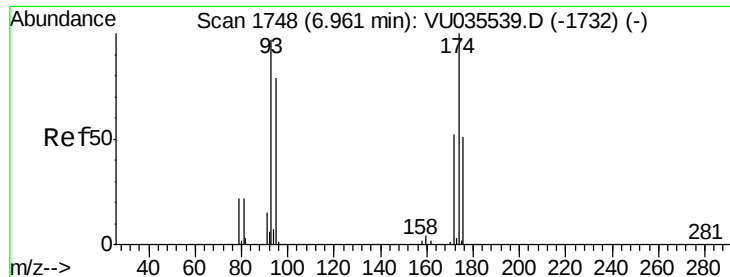
10/30/2019 10:39:19 AM



#42
1-Chlorobutane
Concen: 1.790 ug/l
RT: 5.50 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
56	100		
41	52.1	25.5	76.5





#43

Dibromomethane

Concen: 1.981 ug/l

RT: 6.96 min Scan# 1749

Delta R.T. 0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

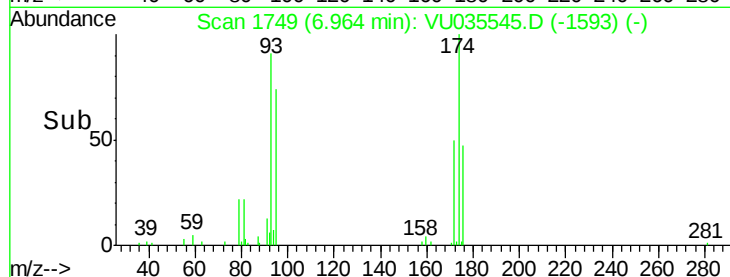
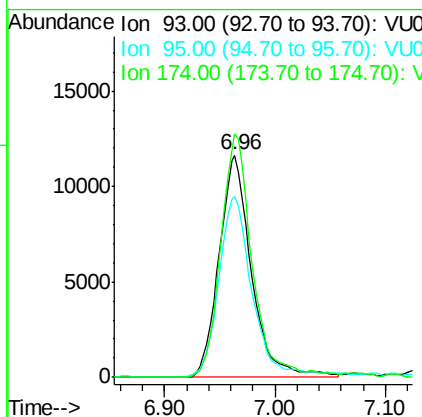
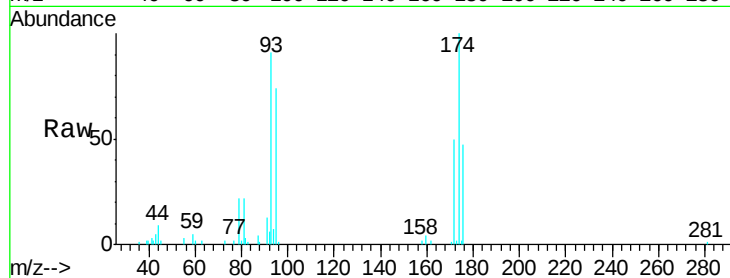
MSVOA_U

ClientSampleId :

VN1029WBS01

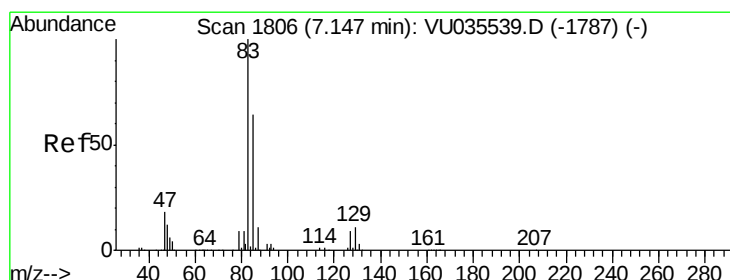
Tgt Ion:	93	Resp:	23637
Ion Ratio	Lower	Upper	
93	100		
95	83.9	65.1	97.7
174	104.6	84.2	126.4

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#44

Bromodichloromethane

Concen: 1.925 ug/l

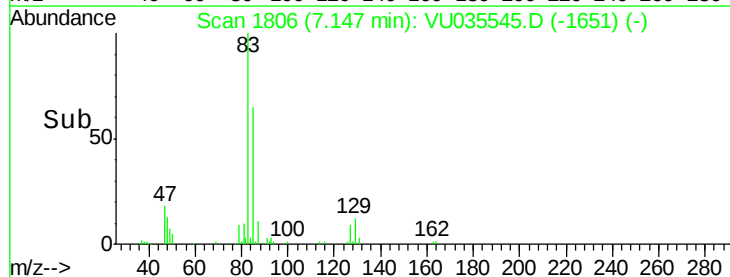
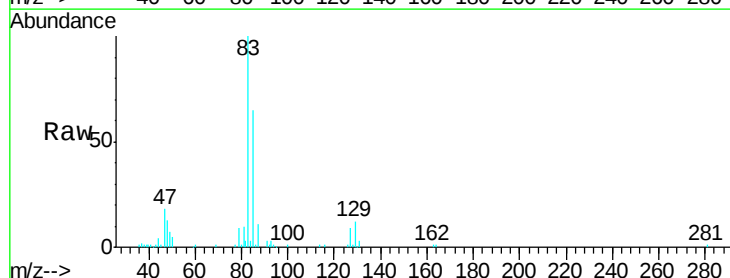
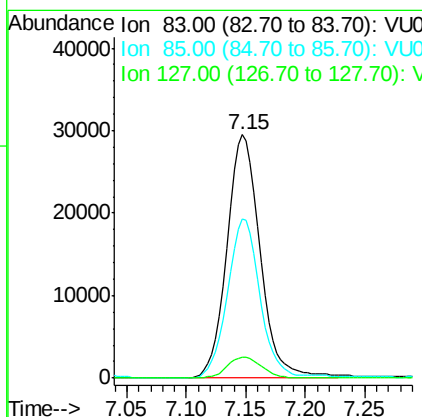
RT: 7.15 min Scan# 1806

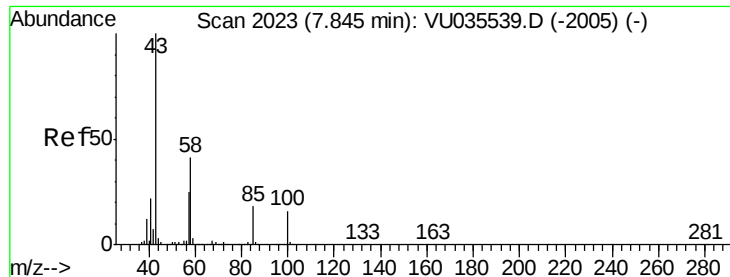
Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Tgt Ion:	83	Resp:	57224
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.6	77.4
127	8.7	7.0	10.4



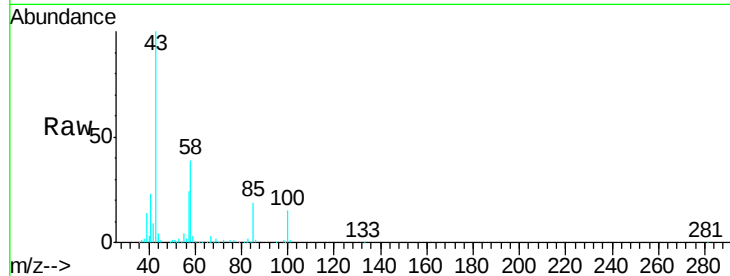


#45
4-Methyl-2-Pentanone
Concen: 8.818 ug/l
RT: 7.85 min Scan# 2024
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.6	20.6	61.8
85	17.4	14.5	21.7

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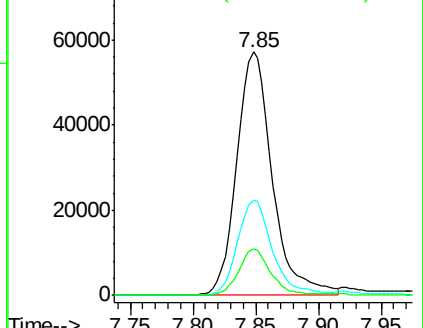


Abundance

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

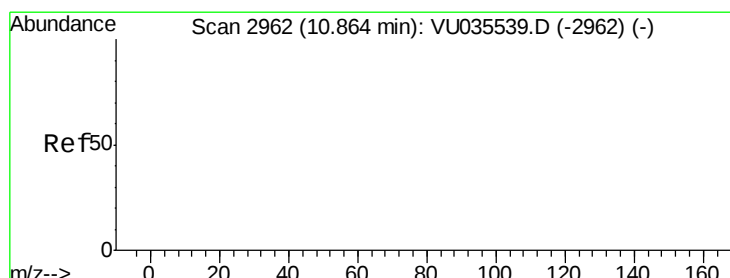
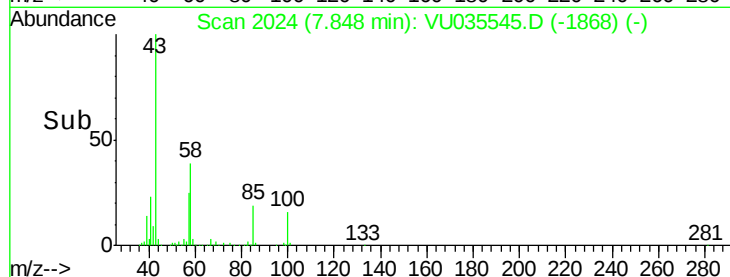
Ion 58.00 (57.70 to 58.70): VU035539.D (-2005) (-)

Ion 85.00 (84.70 to 85.70): VU035539.D (-2005) (-)



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#46
t-1,4-Dichloro-2-butene
Concen: 3.413 ug/l m
RT: 10.87 min Scan# 2964
Delta R.T. 0.01 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
75	100		
53	87.5	54.1	81.1#
89	57.5	38.2	57.4#
88	48.1	30.6	45.8#

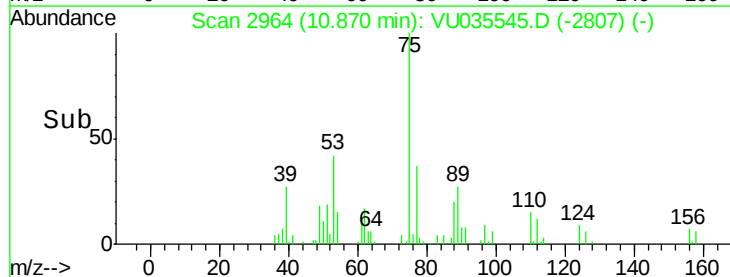
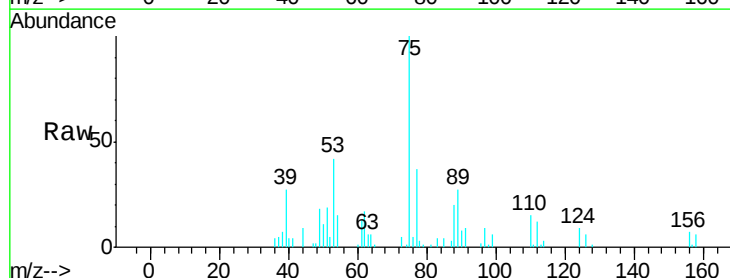
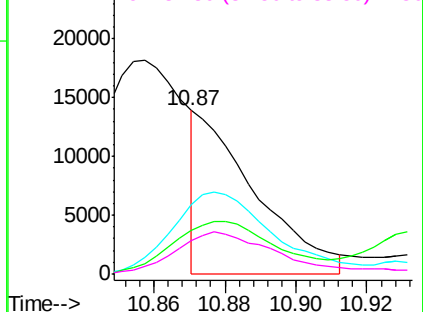
Abundance

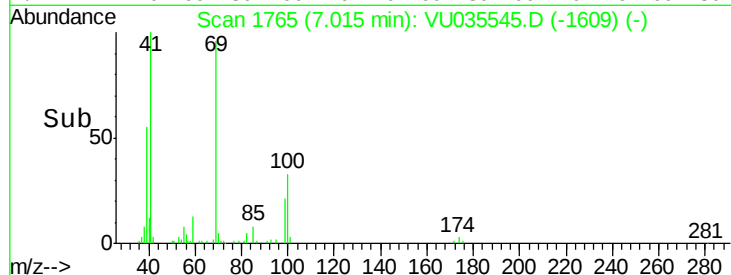
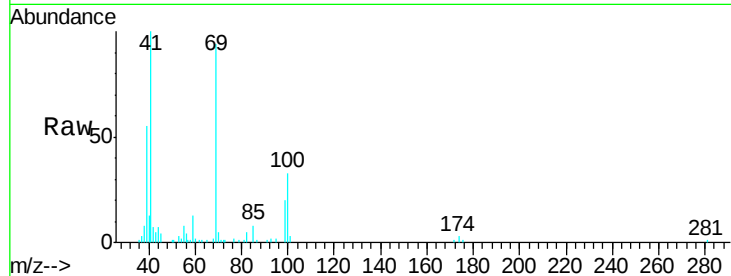
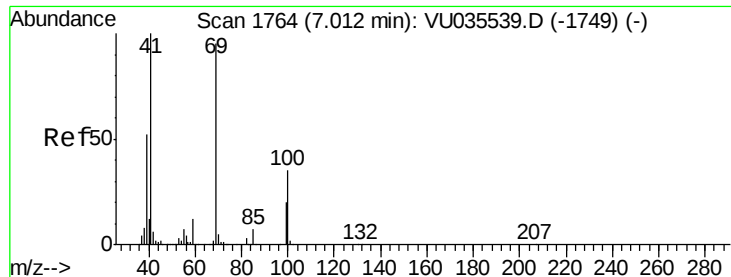
Ion 74.90 (74.60 to 75.60): VU035539.D (-2962) (-)

Ion 53.00 (52.70 to 53.70): VU035539.D (-2962) (-)

Ion 88.80 (88.50 to 89.50): VU035539.D (-2962) (-)

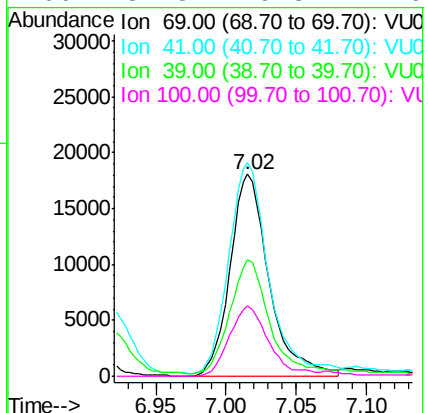
Ion 87.80 (87.50 to 88.50): VU035539.D (-2962) (-)





#47
Methyl methacrylate
Concen: 3.551 ug/l
RT: 7.02 min Scan# 1765
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	102.7	0.0	216.8
39	56.0	45.1	67.7
100	34.8	29.8	44.6

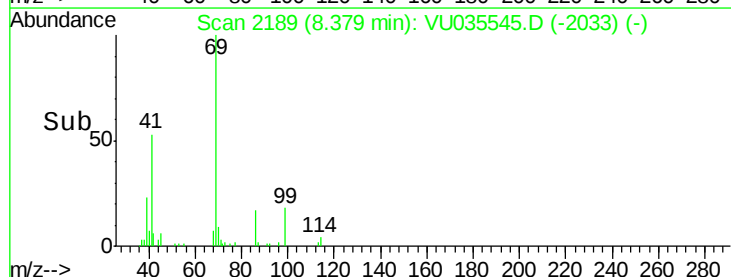
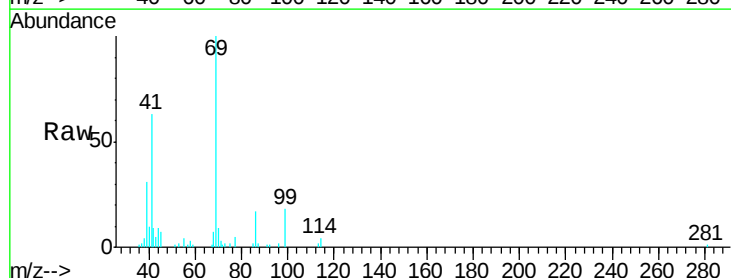
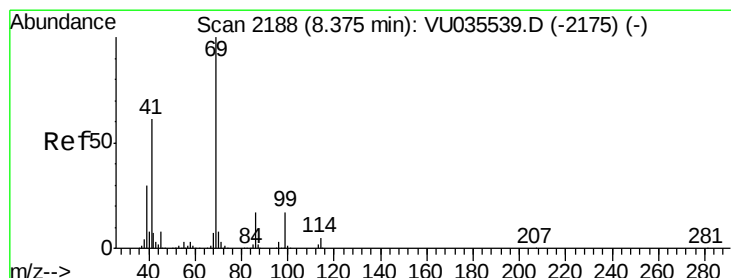


Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

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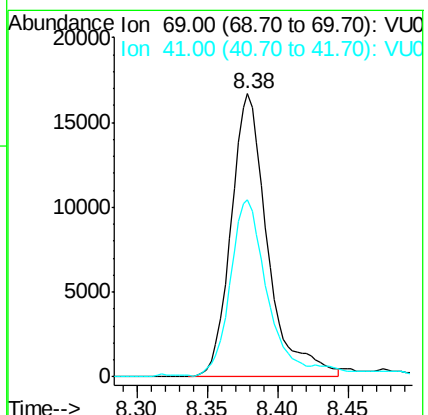
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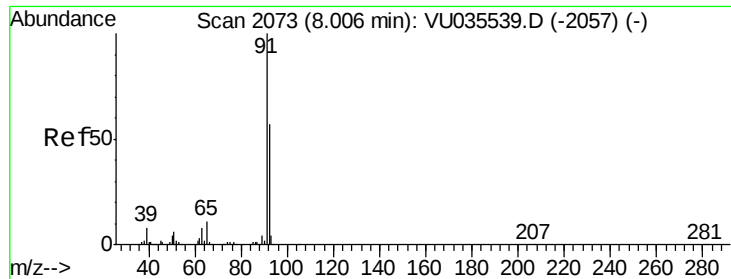
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#48
Ethyl methacrylate
Concen: 1.757 ug/l
RT: 8.38 min Scan# 2189
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.6	30.4	91.2





#49

Toluene

Concen: 1.809 ug/l

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

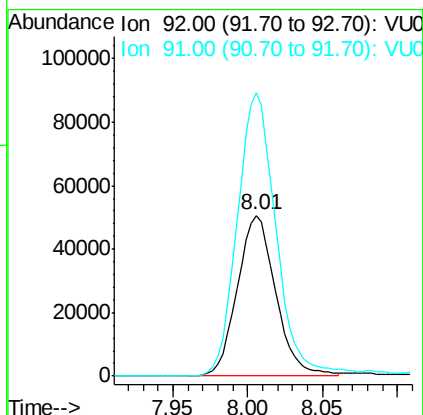
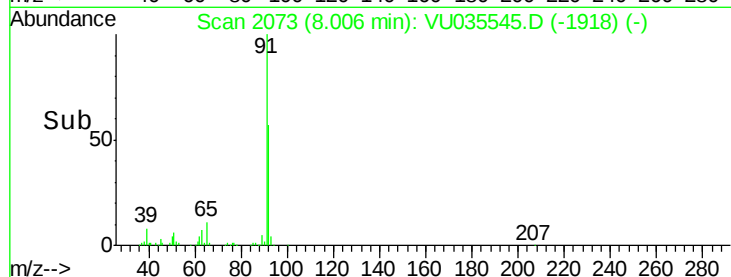
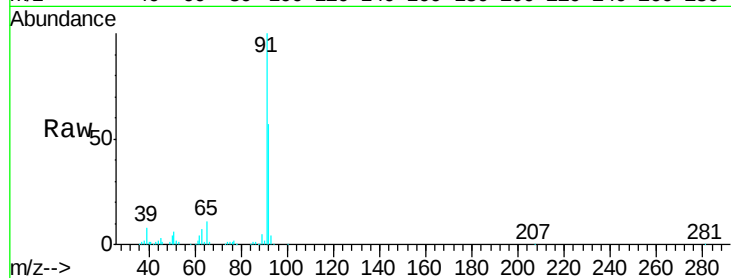
Tgt Ion: 92 Resp: 90615

Ion Ratio Lower Upper

92 100

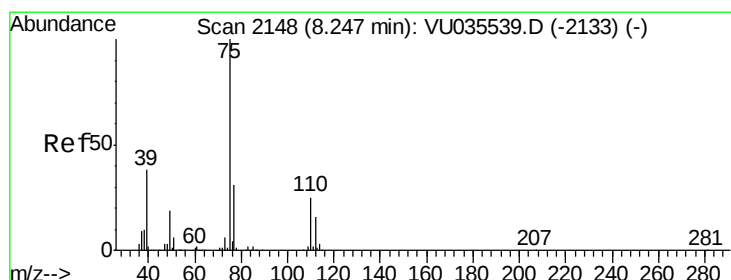
91 178.0 141.4 212.0

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#50

t-1,3-Dichloropropene

Concen: 1.872 ug/l

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035545.D

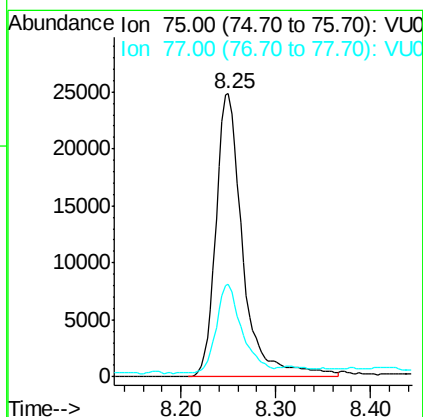
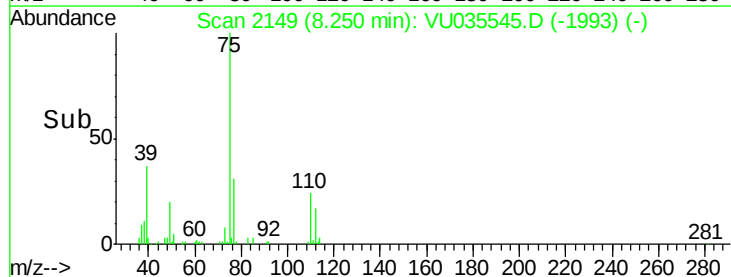
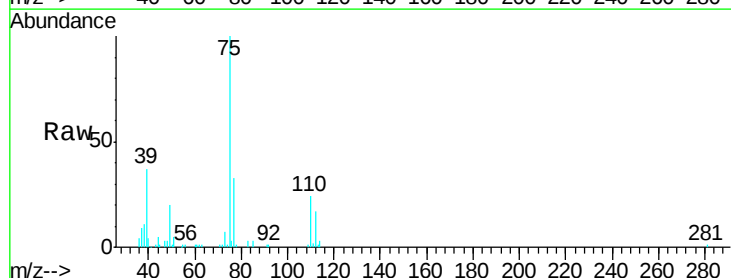
Acq: 29 Oct 2019 18:27

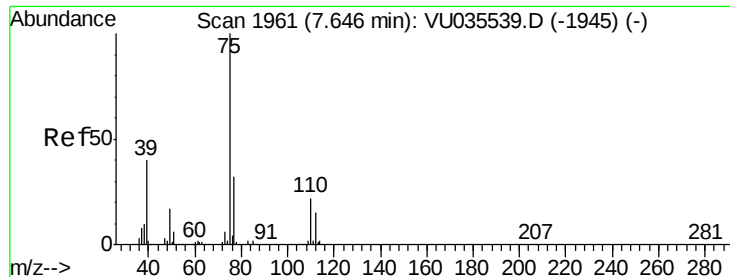
Tgt Ion: 75 Resp: 49271

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8





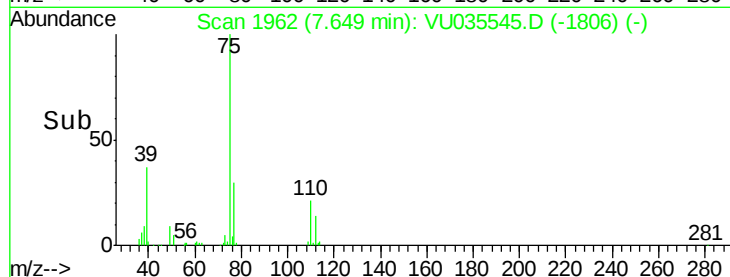
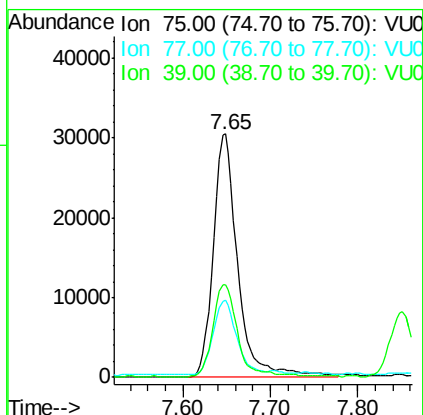
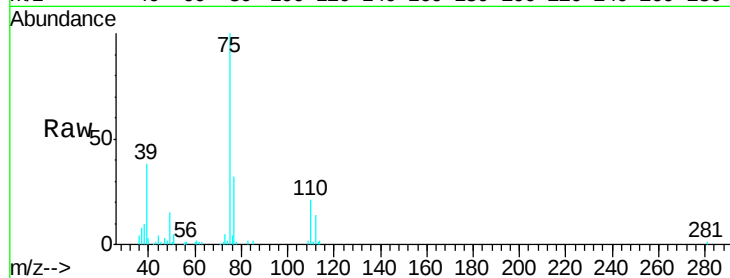
#51

cis-1,3-Dichloropropene
Concen: 1.906 ug/l
RT: 7.65 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

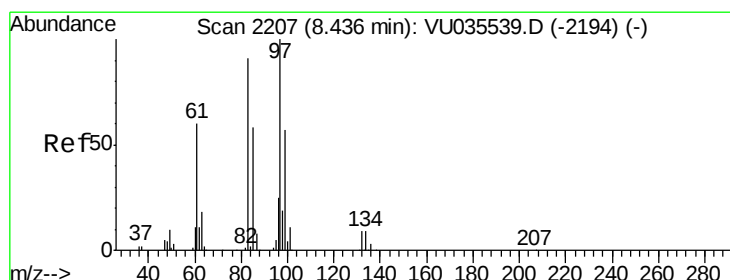
Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.2	37.8
39	38.2	32.1	48.1

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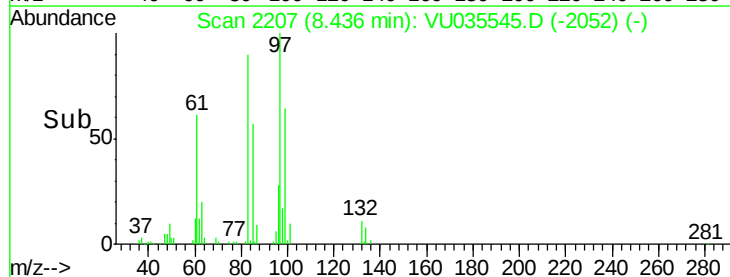
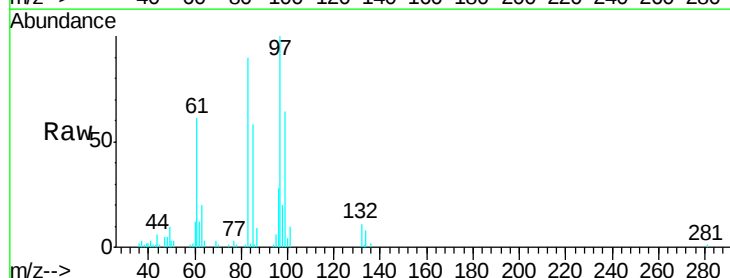
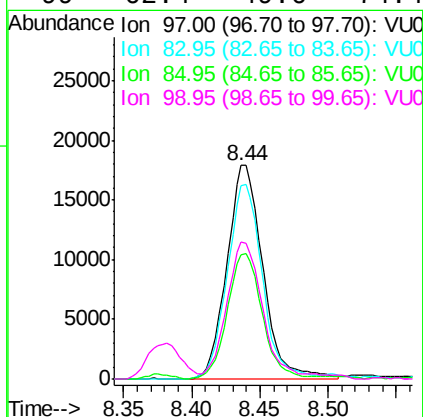
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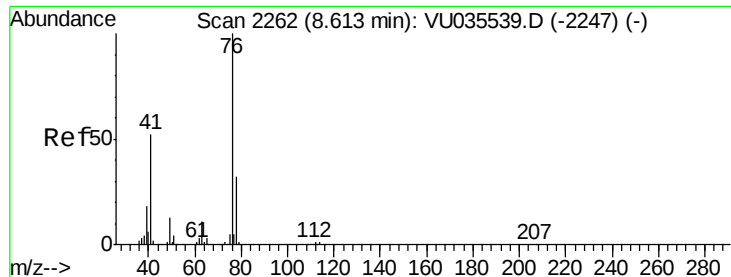


#52

1,1,2-Trichloroethane
Concen: 1.968 ug/l
RT: 8.44 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.6	108.8
85	58.4	46.4	69.6
99	62.4	49.6	74.4





#53

1,3-Dichloropropane

Concen: 1.898 ug/l

RT: 8.61 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

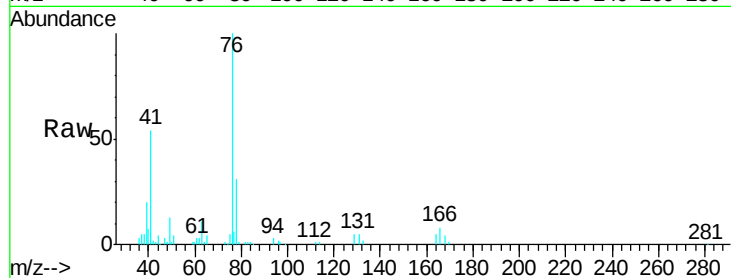
Tgt Ion: 76 Resp: 53787

Ion Ratio Lower Upper

76 100

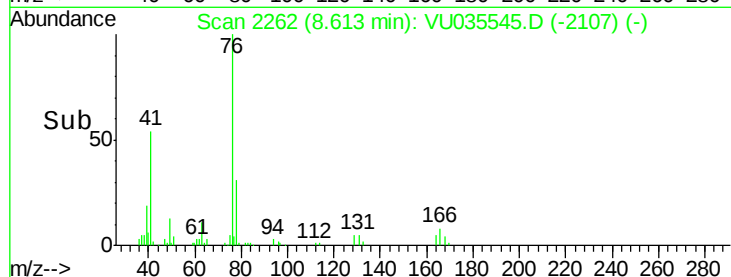
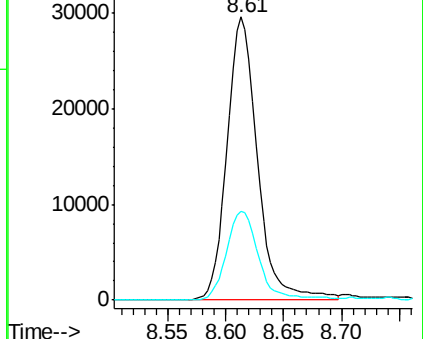
78 33.2 25.6 38.4

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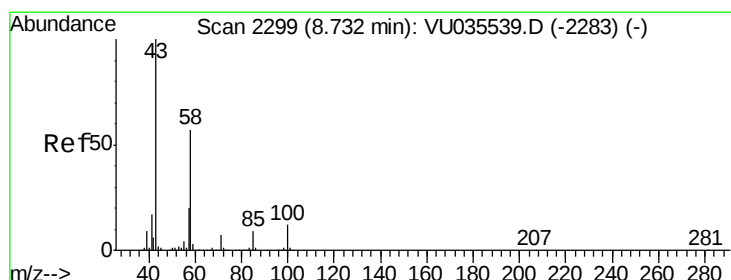
Abundance Ion 76.00 (75.70 to 76.70): VU035539.D (-2247) (-)

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# 2300

Delta R.T. 0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

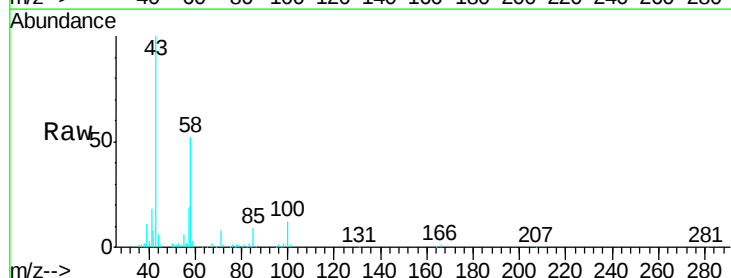
Tgt Ion: 43 Resp: 75702

Ion Ratio Lower Upper

43 100

58 50.4 37.2 77.2

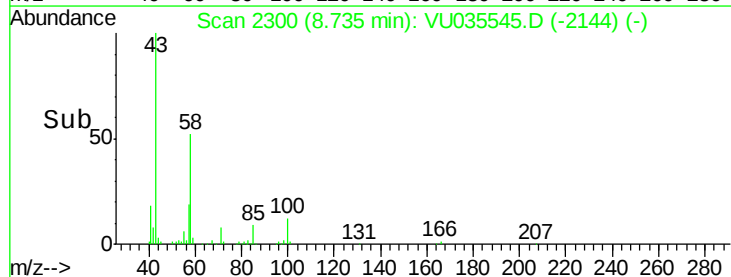
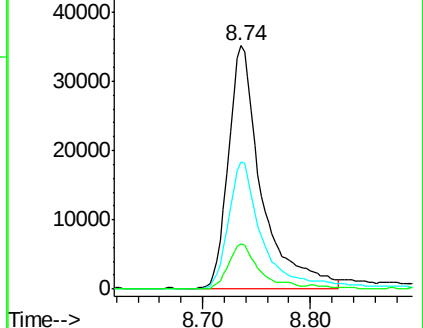
57 17.2 0.0 39.1

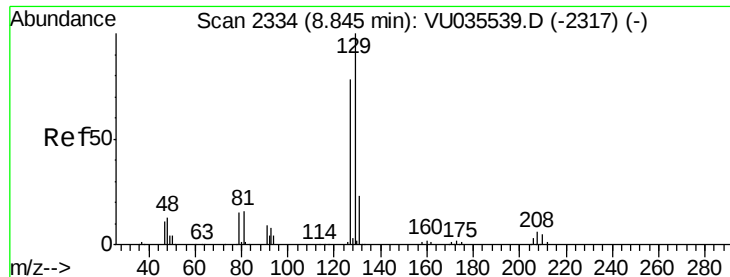


Abundance Ion 43.00 (42.70 to 43.70): VU035539.D (-2283) (-)

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: 1.998 ug/l

RT: 8.84 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

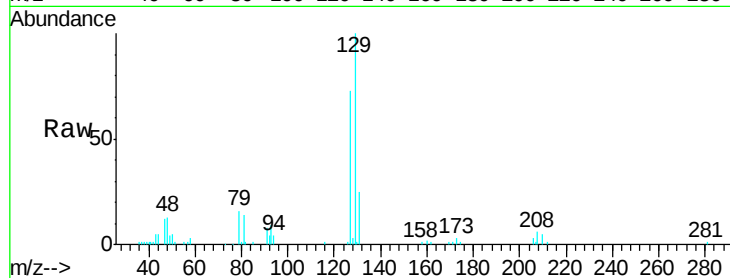
Tgt Ion:129 Resp: 40790

Ion Ratio Lower Upper

129 100

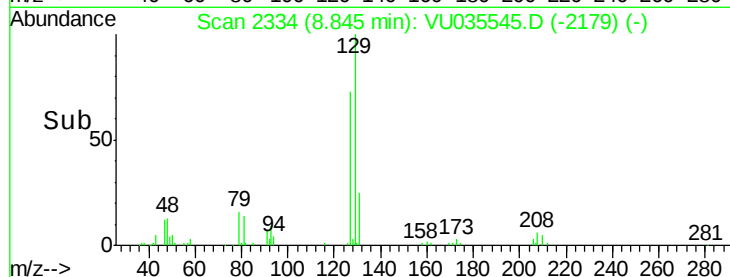
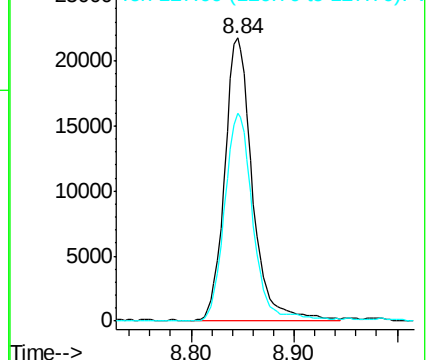
127 74.9 62.3 93.5

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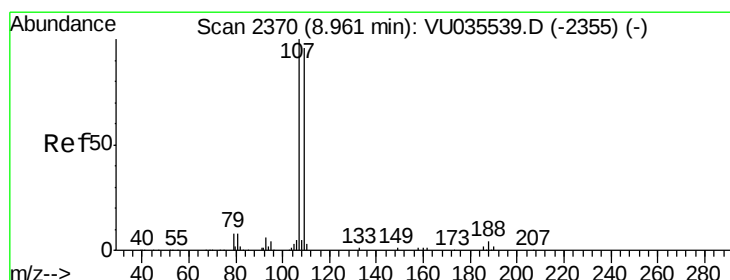
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



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#56

1,2-Dibromoethane

Concen: 1.925 ug/l

RT: 8.96 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VU035545.D

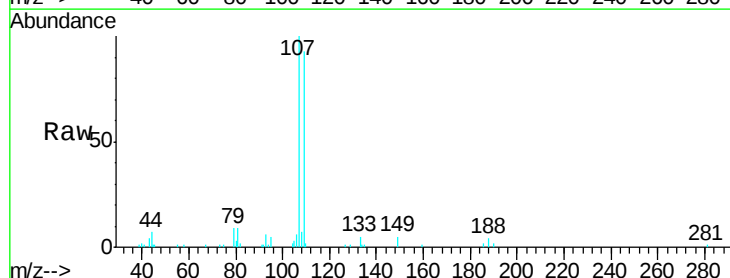
Acq: 29 Oct 2019 18:27

Tgt Ion:107 Resp: 29445

Ion Ratio Lower Upper

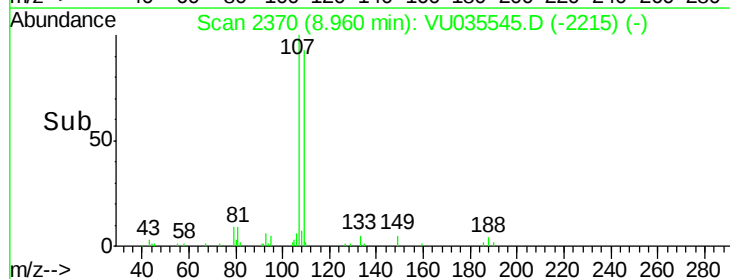
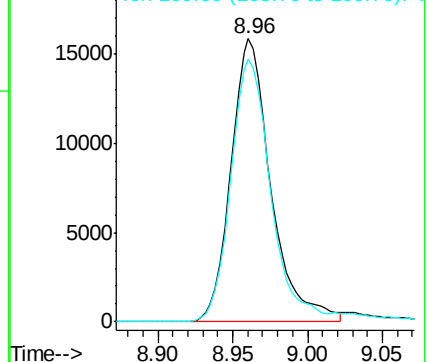
107 100

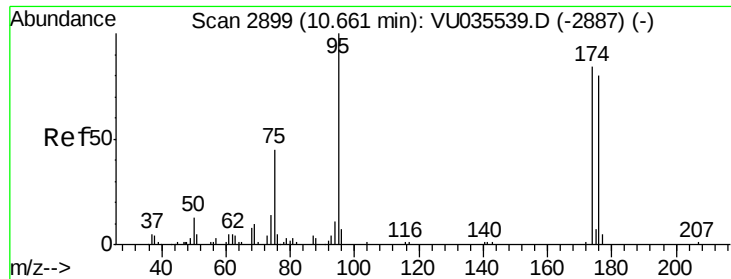
109 92.8 0.0 191.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



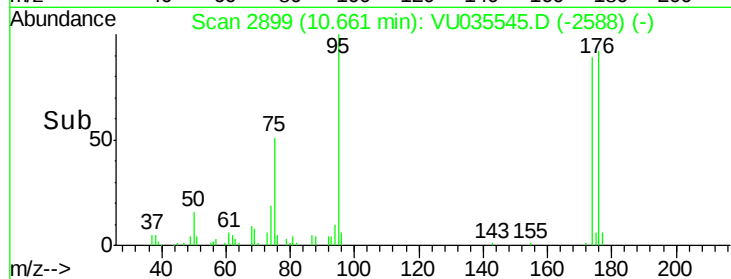
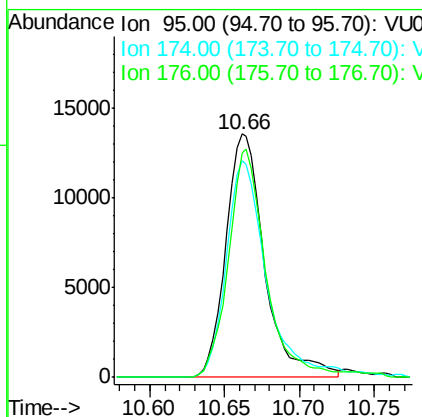
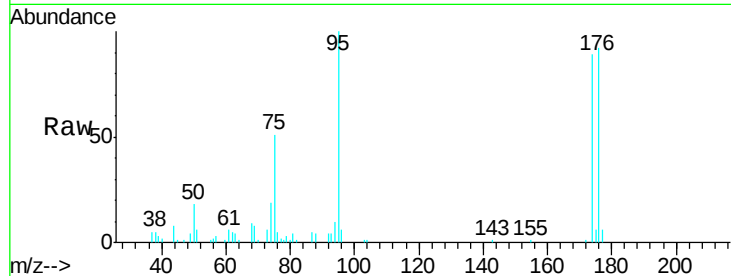


#57
4-Bromofluorobenzene
Concen: 0.959 ug/l
RT: 10.66 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

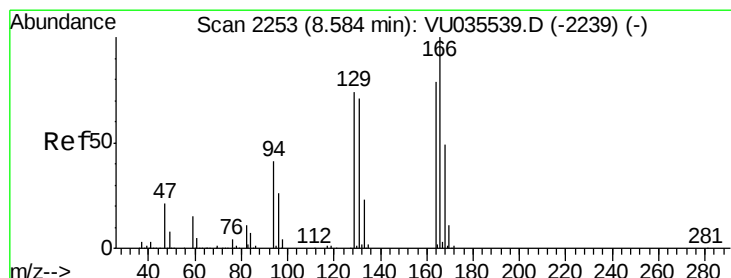
Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.7	70.2	105.4
176	89.7	67.7	101.5

Manual Integrations
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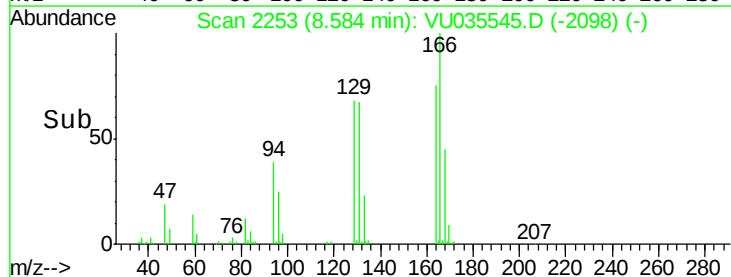
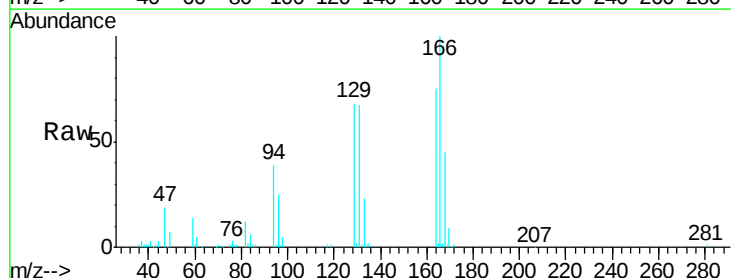
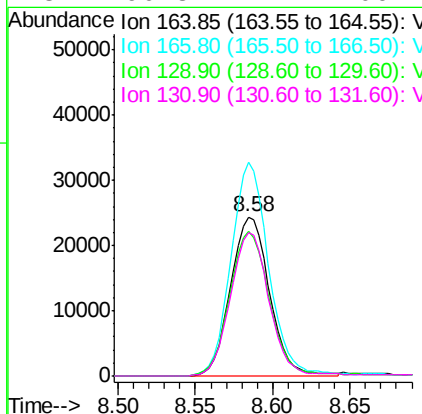
MMDadoda

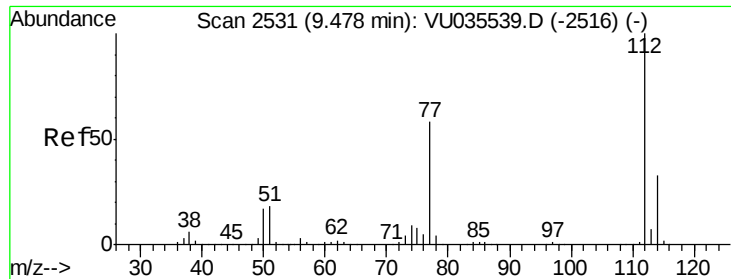
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#58
Tetrachloroethene
Concen: 1.924 ug/l
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.2	100.6	151.0
129	90.6	74.1	111.1
131	90.3	71.1	106.7



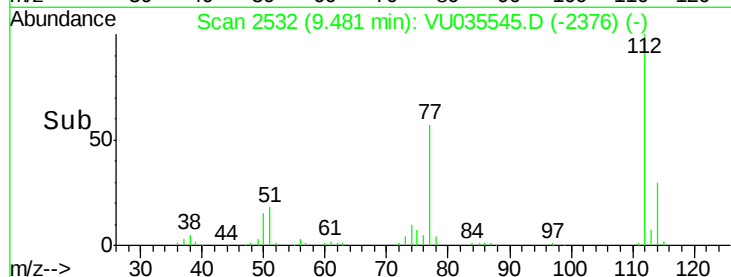
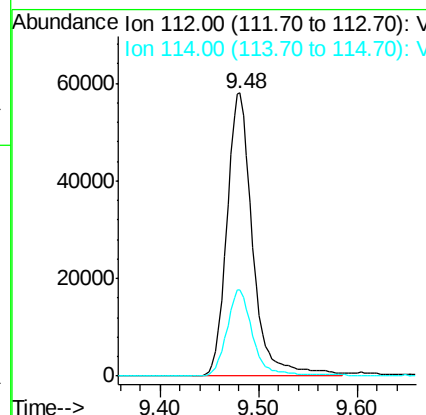
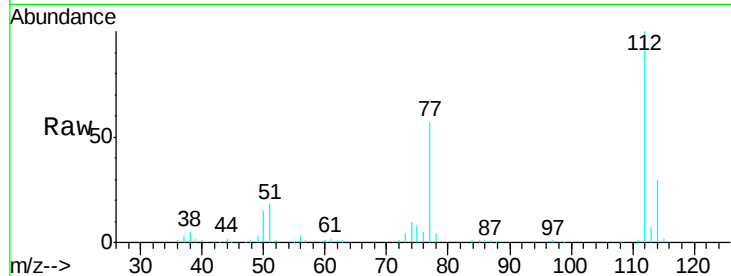


#59
Chlorobenzene
Concen: 1.857 ug/l
RT: 9.48 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

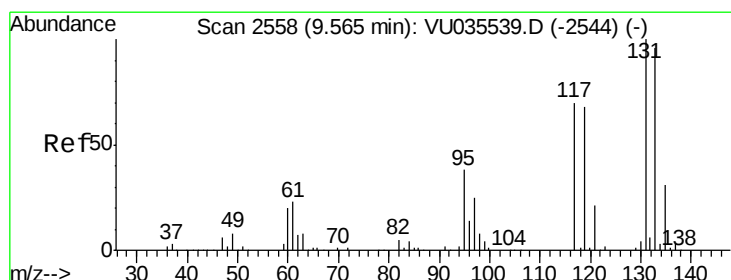
Tgt Ion:112 Resp: 107268
Ion Ratio Lower Upper
112 100
114 30.3 26.5 39.7

Manual Integrations
APPROVED



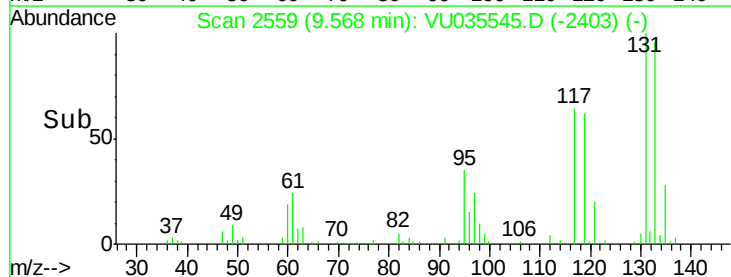
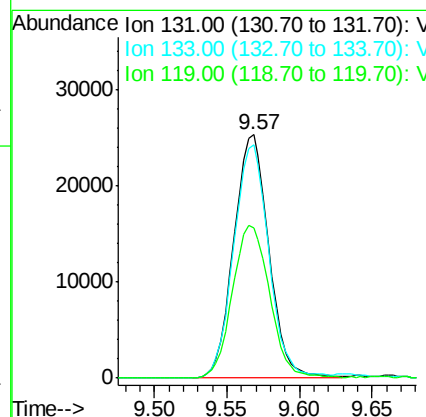
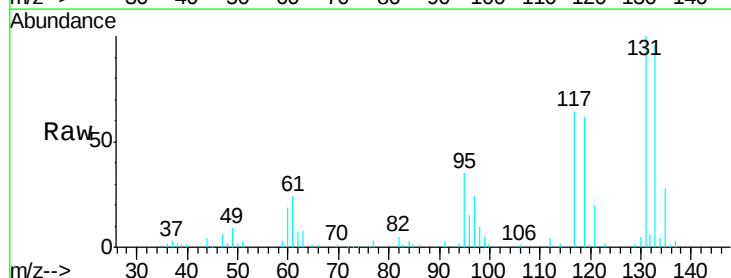
MMDadoda

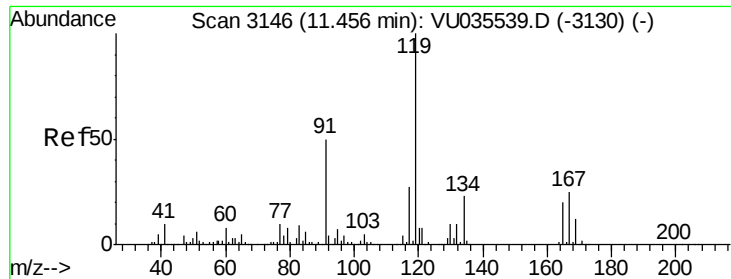
10/30/2019 10:39:19 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.916 ug/l
RT: 9.57 min Scan# 2559
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion:131 Resp: 42536
Ion Ratio Lower Upper
131 100
133 96.5 76.9 115.3
119 66.6 53.6 80.4



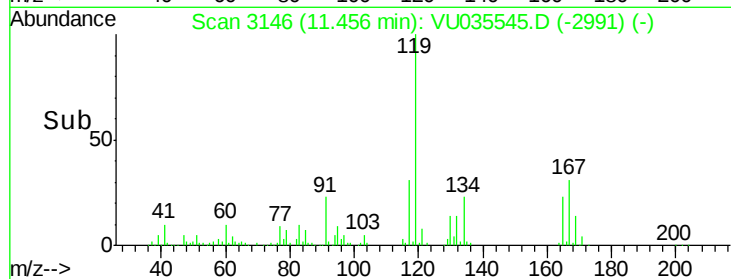
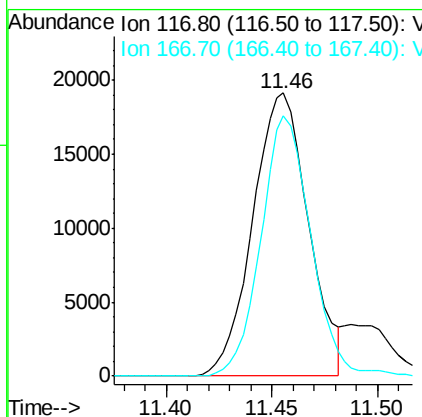
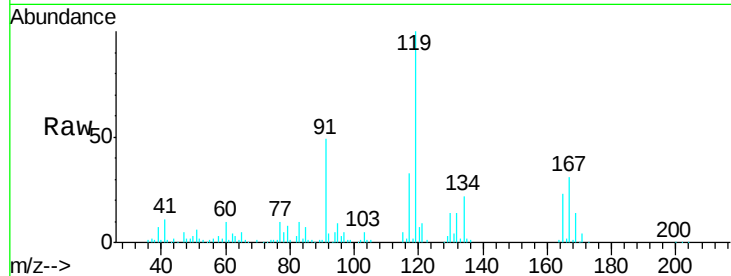


#61
 Pentachloroethane
 Concen: 1.936 ug/l
 RT: 11.46 min Scan# 3146
 Delta R.T. -0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBS01

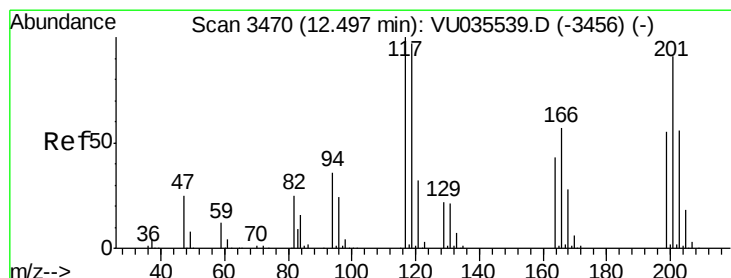
Tgt Ion:117 Resp: 35036
 Ion Ratio Lower Upper
 117 100
 167 82.7 69.8 104.6

Manual Integrations
 APPROVED



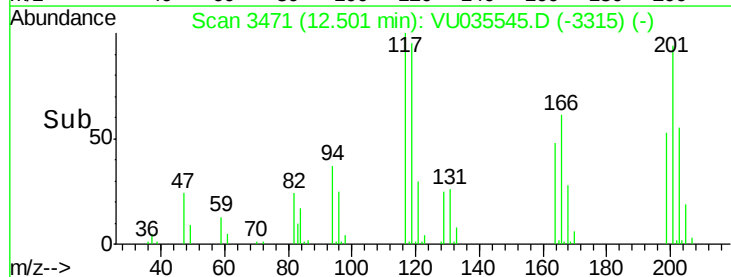
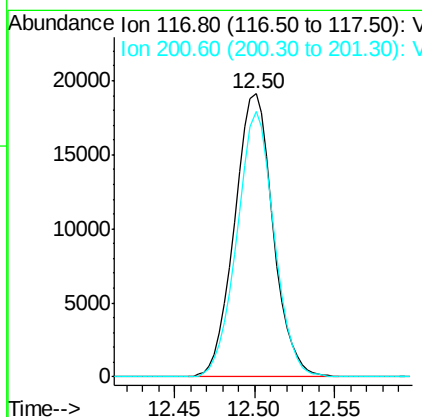
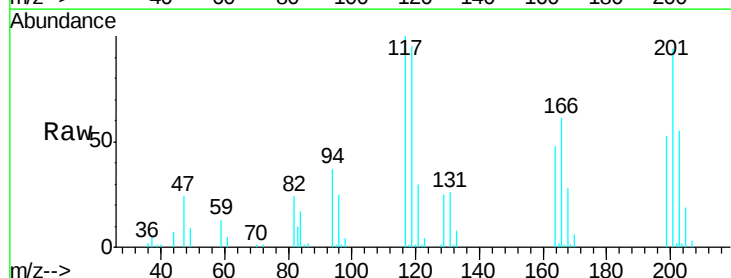
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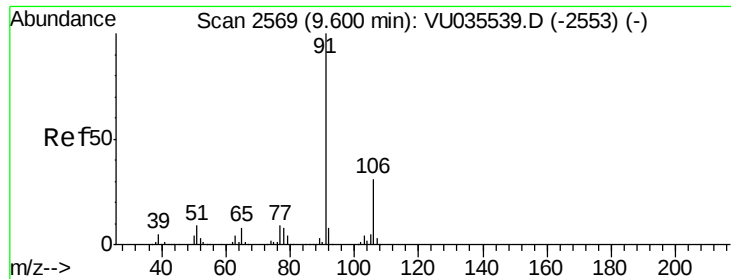
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#62
 Hexachloroethane
 Concen: 1.894 ug/l
 RT: 12.50 min Scan# 3471
 Delta R.T. 0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Tgt Ion:117 Resp: 31309
 Ion Ratio Lower Upper
 117 100
 201 90.3 71.8 107.8



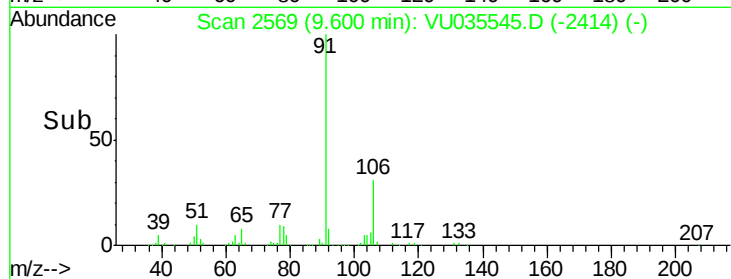
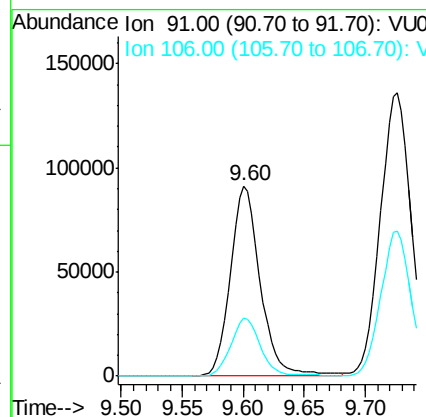
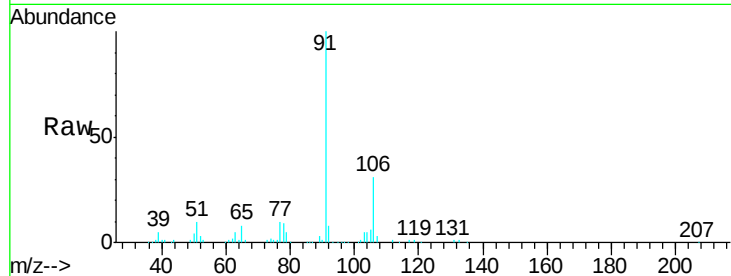


#63
Ethyl Benzene
Concen: 1.749 ug/l
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

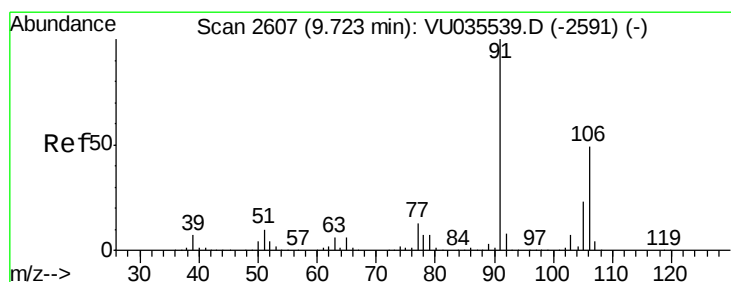
Tgt Ion: 91 Resp: 156858
Ion Ratio Lower Upper
91 100
106 30.7 25.2 37.8

Manual Integrations
APPROVED



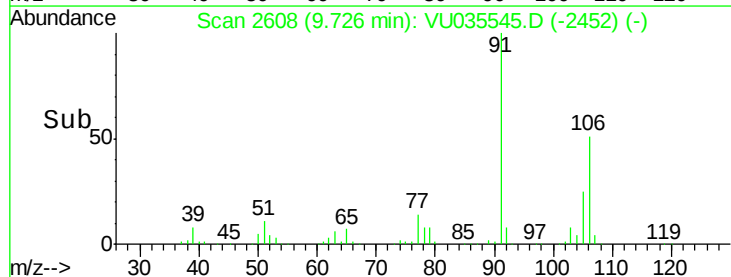
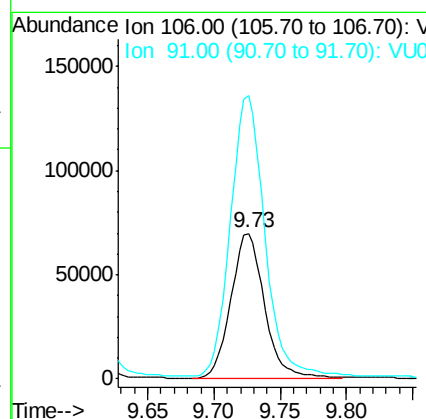
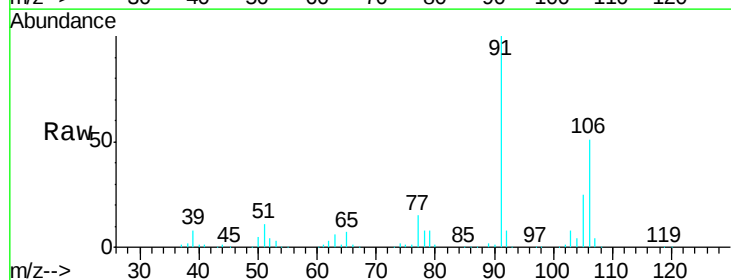
MMDadoda

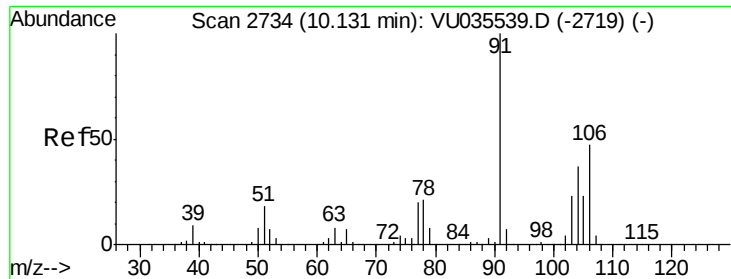
10/30/2019 10:39:19 AM



#64
m/p-Xylenes
Concen: 3.467 ug/l
RT: 9.73 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion: 106 Resp: 122779
Ion Ratio Lower Upper
106 100
91 200.0 81.0 121.4#



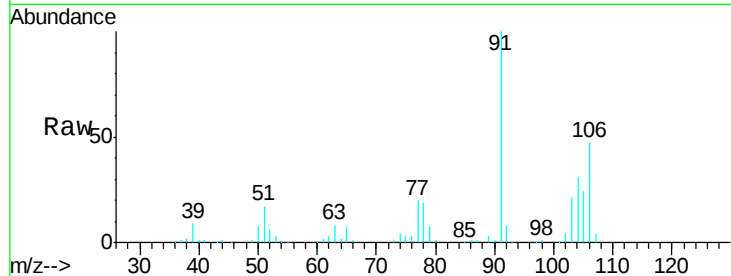


#65
o-Xylene
Concen: 1.760 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

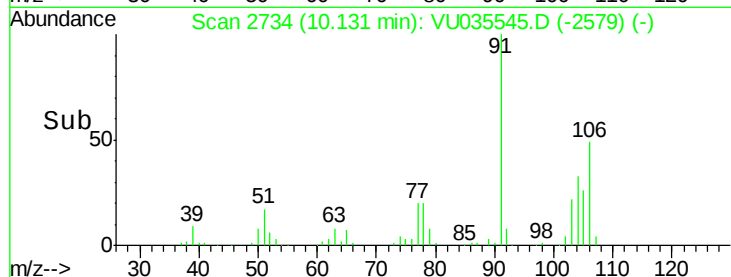
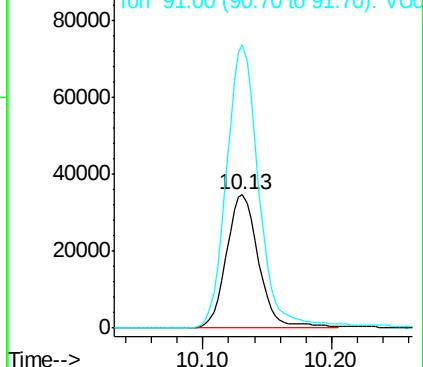
Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

Tgt Ion:106 Resp: 60227
Ion Ratio Lower Upper
106 100
91 214.6 107.1 321.1

Manual Integrations
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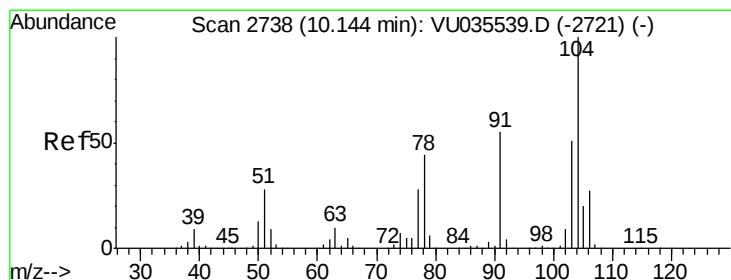


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



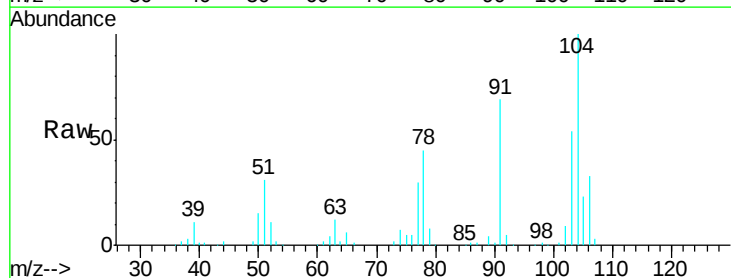
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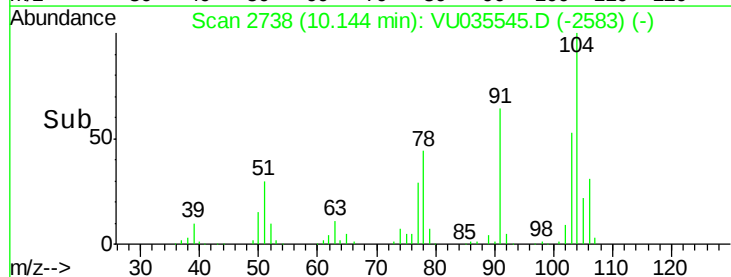
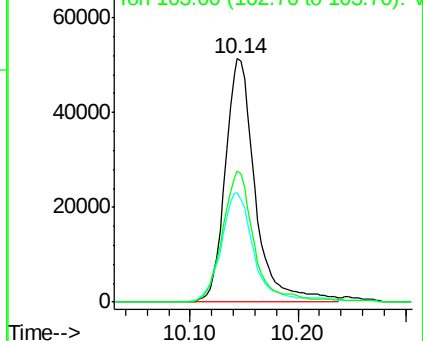


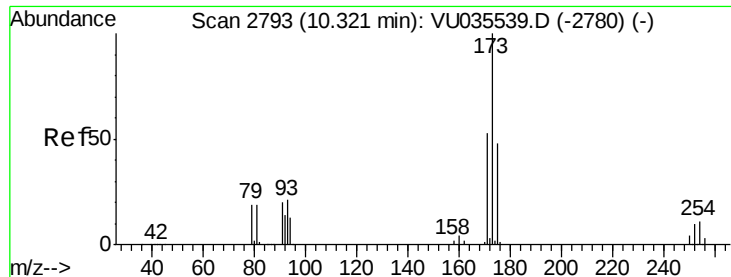
#66
Styrene
Concen: 1.755 ug/l
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion:104 Resp: 99413
Ion Ratio Lower Upper
104 100
78 48.6 38.6 58.0
103 56.5 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: 1.866 ug/l

RT: 10.32 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

Tgt Ion:173 Resp: 23629

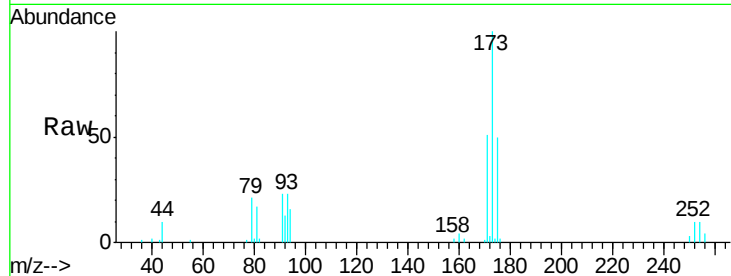
Ion Ratio Lower Upper

173 100

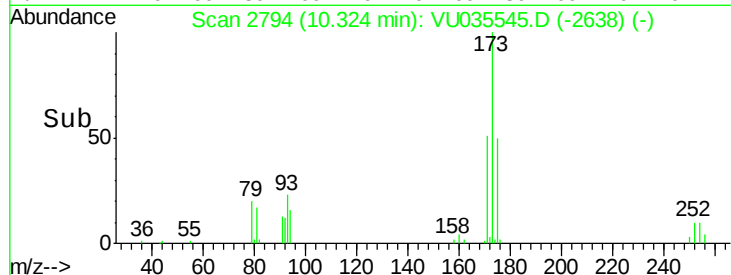
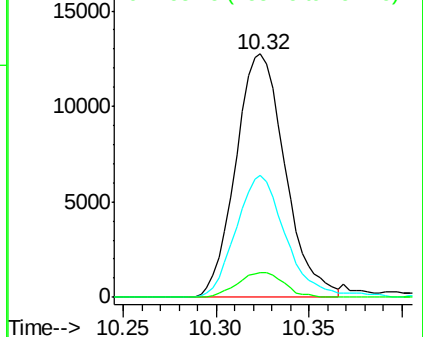
175 49.8 38.7 58.1

254 9.6 8.2 12.2

Manual Integrations
APPROVED

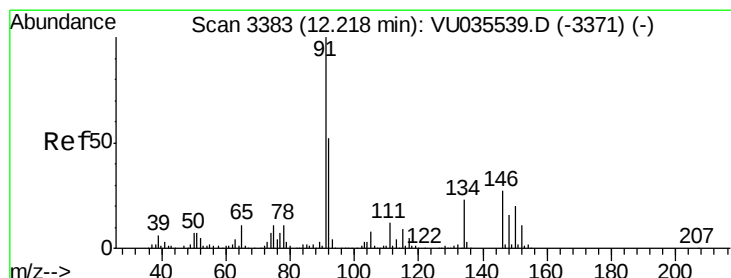


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 1.047 ug/l

RT: 12.22 min Scan# 3384

Delta R.T. 0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

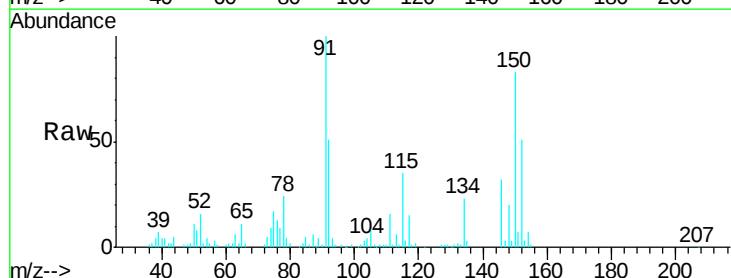
Tgt Ion:152 Resp: 28448

Ion Ratio Lower Upper

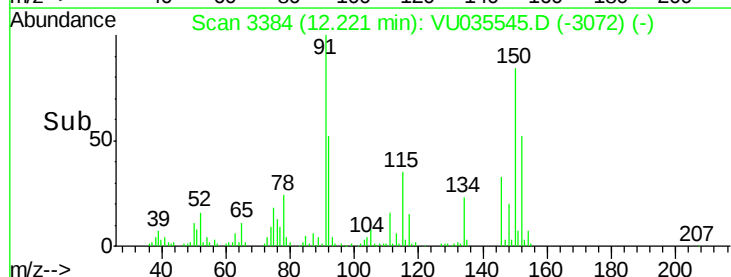
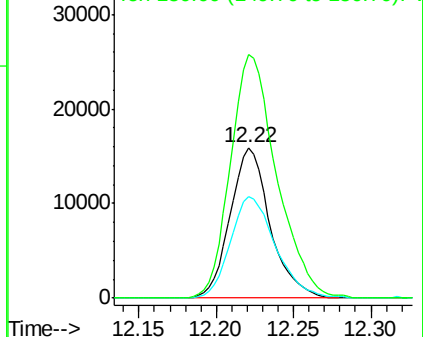
152 100

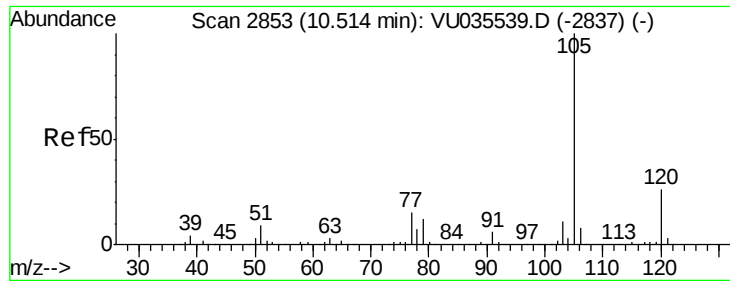
115 76.3 0.0 250.6

150 187.9 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: 1.746 ug/l

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

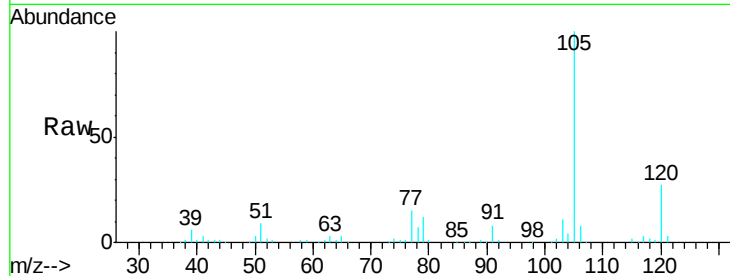
Tgt Ion: 105 Resp: 155742

Ion Ratio Lower Upper

105 100

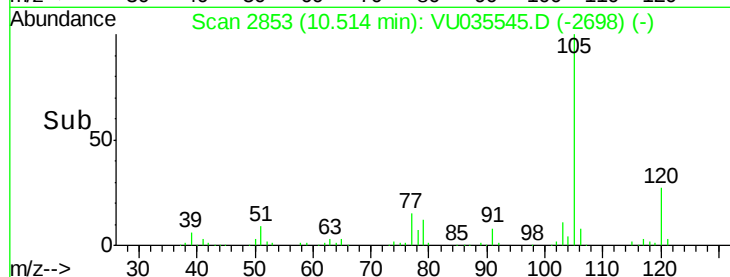
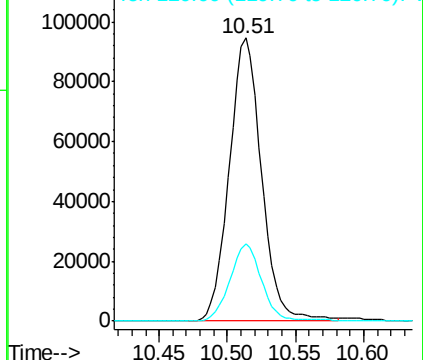
120 27.2 13.2 39.5

Manual Integrations
APPROVED



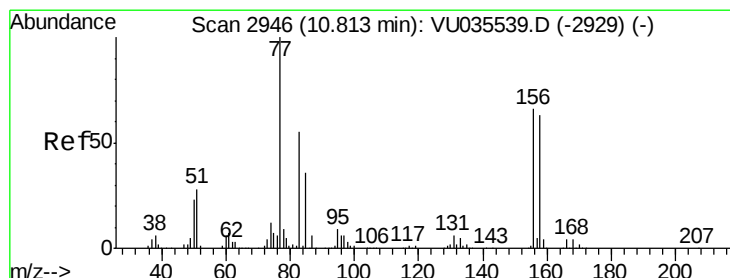
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#70

1,1,2,2-Tetrachloroethane

Concen: 1.919 ug/l

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

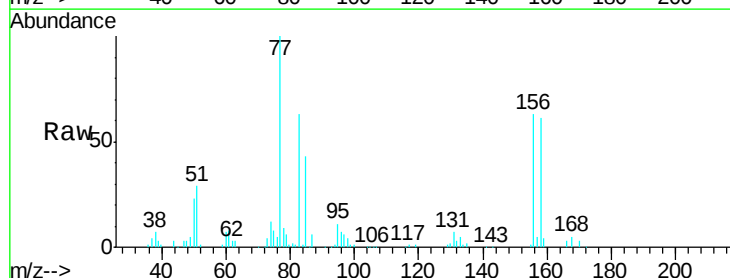
Tgt Ion: 83 Resp: 42770

Ion Ratio Lower Upper

83 100

131 10.9 0.0 0.0#

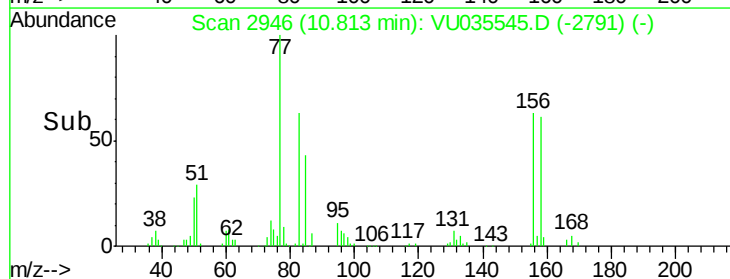
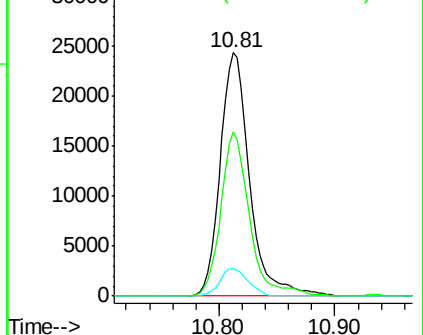
85 65.6 33.5 50.3#

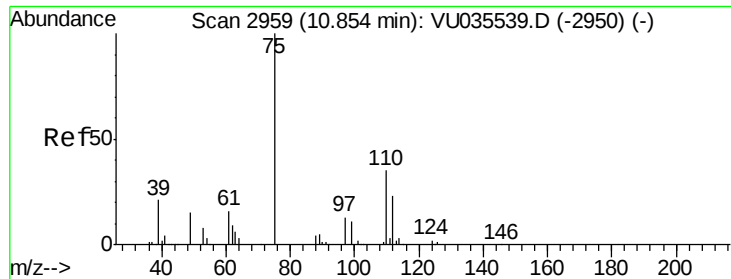


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



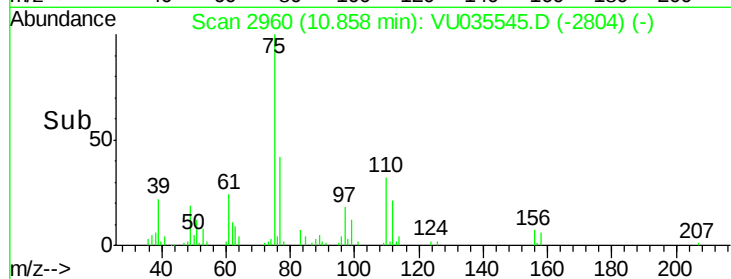
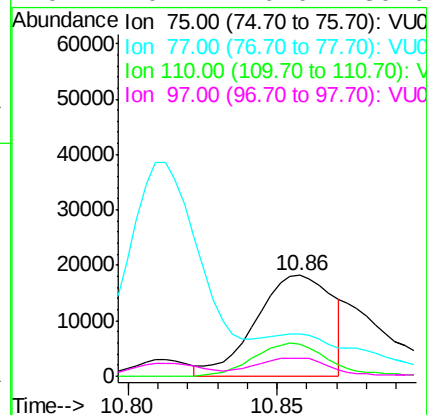
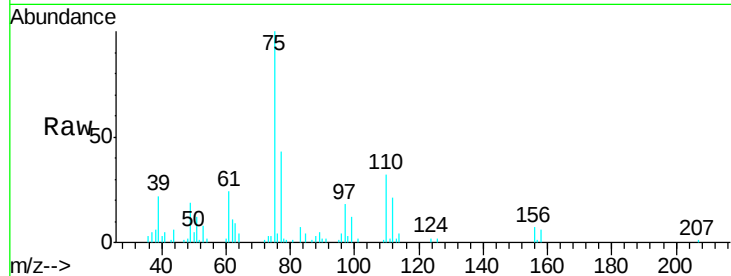


#71
 1,2,3-Trichloropropane
 Concen: 1.930 ug/l m
 RT: 10.86 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBS01

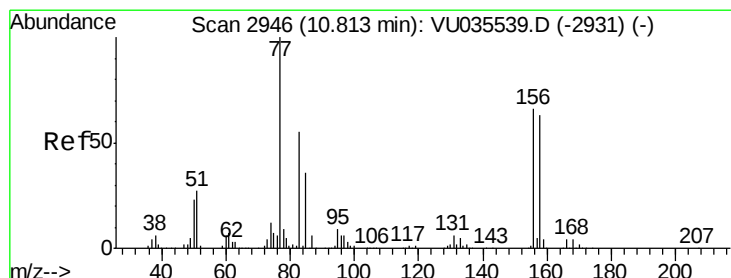
Tgt Ion	Ratio	Lower	Upper
75	100		
77	24.3	0.0	68.6
110	32.3	0.0	77.2
97	19.2	0.0	39.0

Manual Integrations
 APPROVED



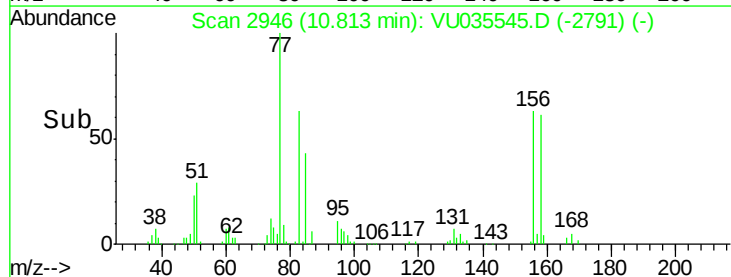
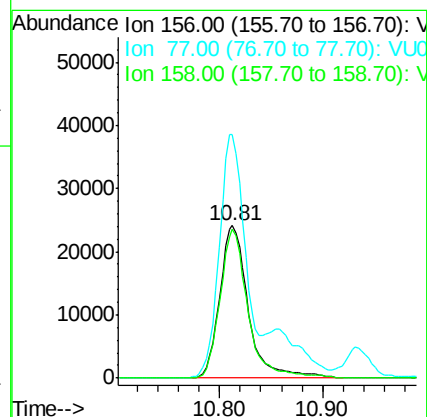
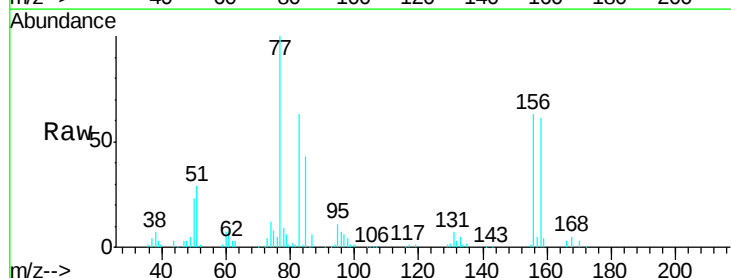
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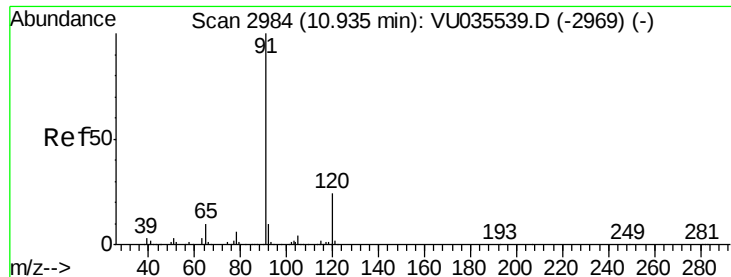
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#72
 Bromobenzene
 Concen: 1.868 ug/l
 RT: 10.81 min Scan# 2946
 Delta R.T. -0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
156	100		
77	145.4	0.0	300.4
158	95.4	0.0	194.4





#73

n-propylbenzene

Concen: 1.666 ug/l

RT: 10.93 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

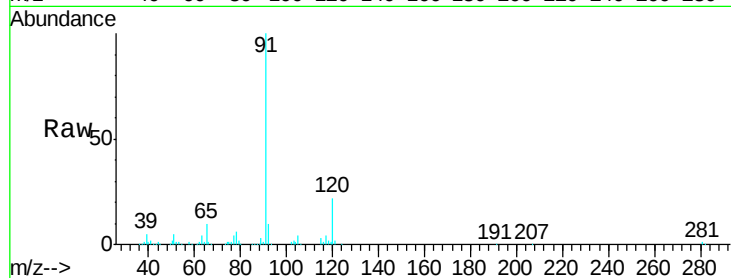
Tgt Ion:120 Resp: 41520

Ion Ratio Lower Upper

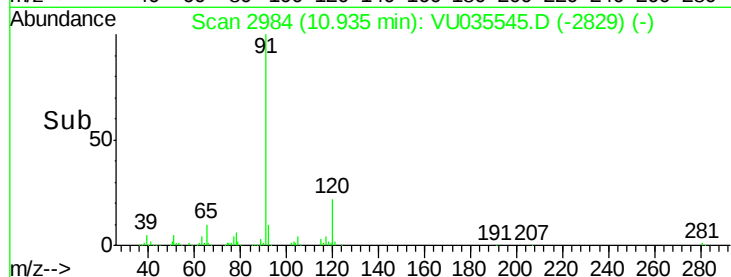
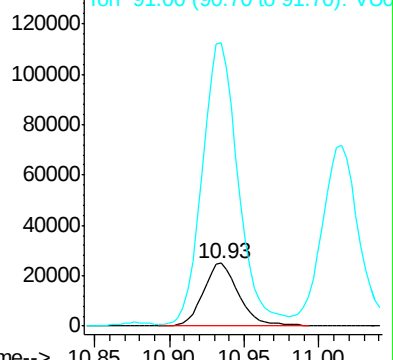
120 100

91 446.7 340.6 510.8

Manual Integrations
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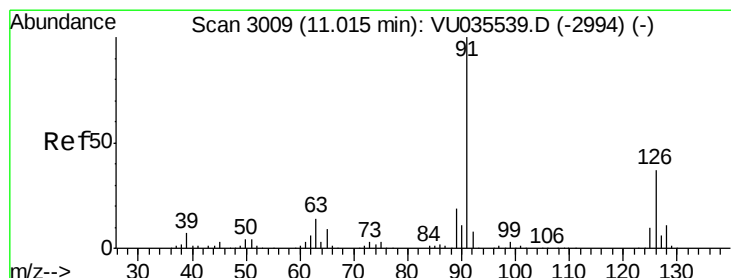


Abundance Ion 120.00 (119.70 to 120.70): V



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#74

2-Chlorotoluene

Concen: 1.837 ug/l

RT: 11.02 min Scan# 3009

Delta R.T. -0.00 min

Lab File: VU035545.D

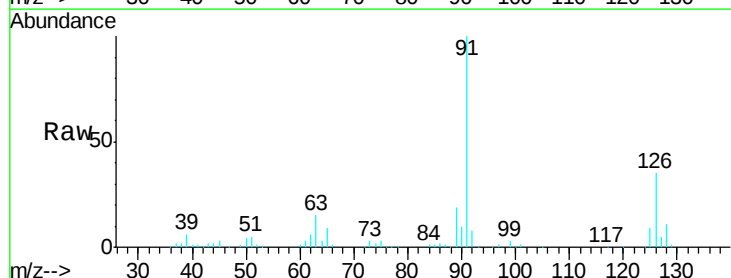
Acq: 29 Oct 2019 18:27

Tgt Ion:126 Resp: 42921

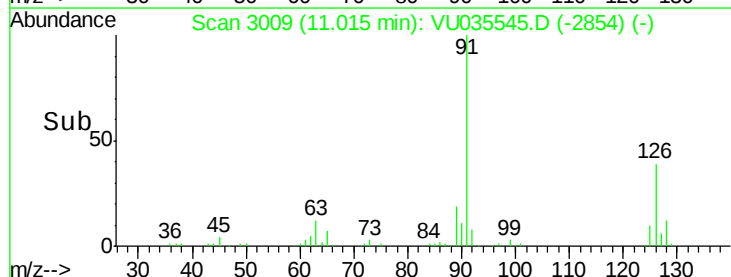
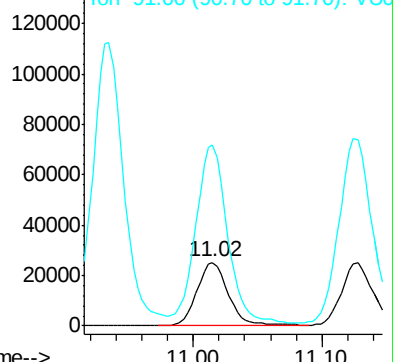
Ion Ratio Lower Upper

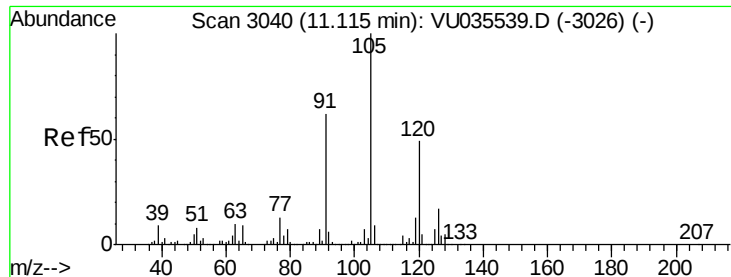
126 100

91 288.8 0.0 574.2



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 1.752 ug/l

RT: 11.11 min Scan# 3040

Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

MSVOA_U

ClientSampleId :

VN1029WBS01

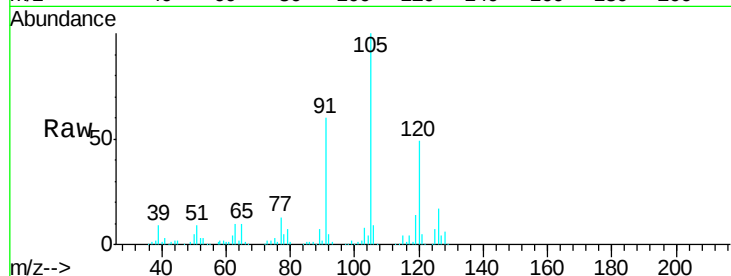
Tgt Ion:105 Resp: 128833

Ion Ratio Lower Upper

105 100

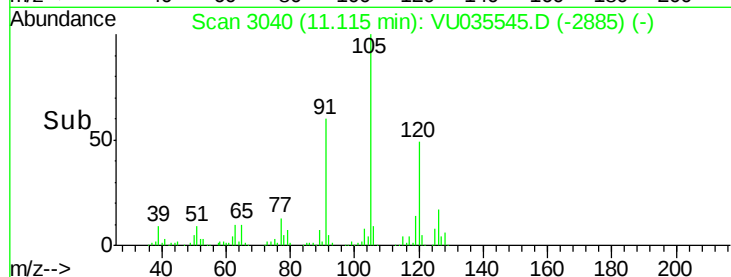
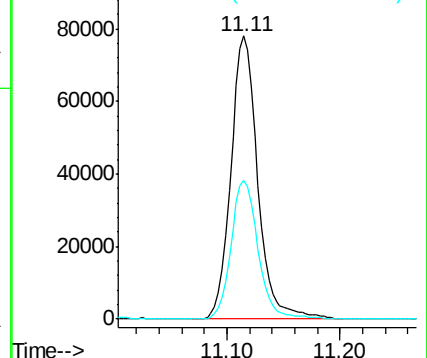
120 49.3 39.4 59.2

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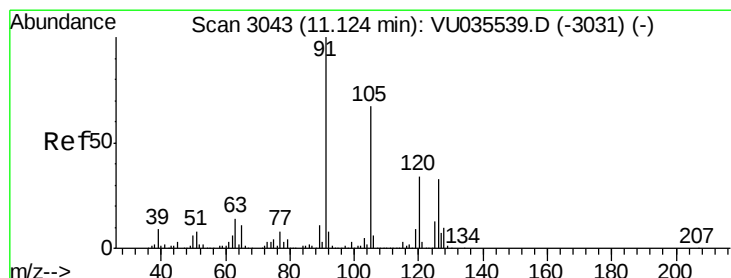
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 1.903 ug/l

RT: 11.13 min Scan# 3044

Delta R.T. 0.00 min

Lab File: VU035545.D

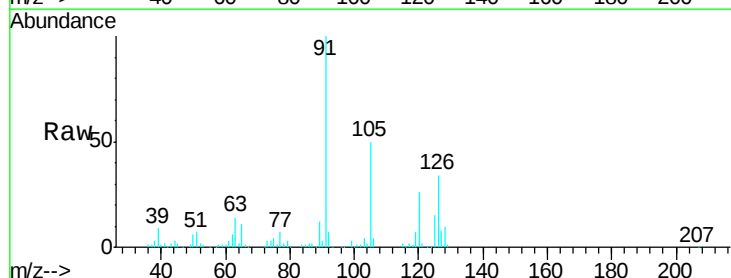
Acq: 29 Oct 2019 18:27

Tgt Ion:126 Resp: 45162

Ion Ratio Lower Upper

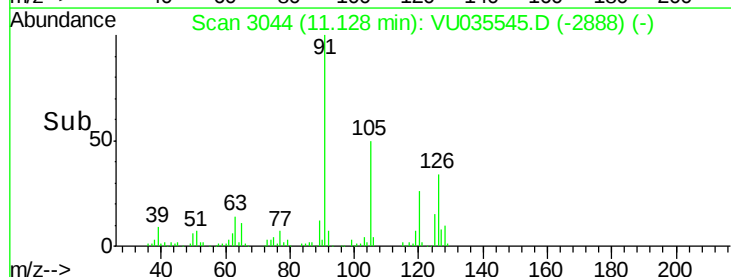
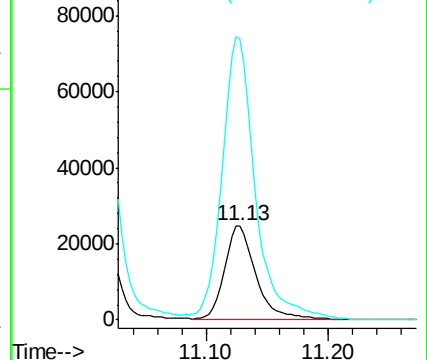
126 100

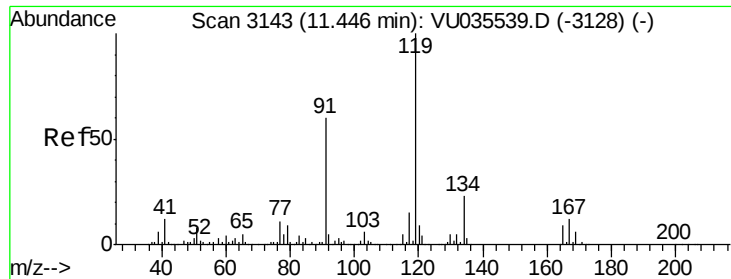
91 313.1 0.0 637.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



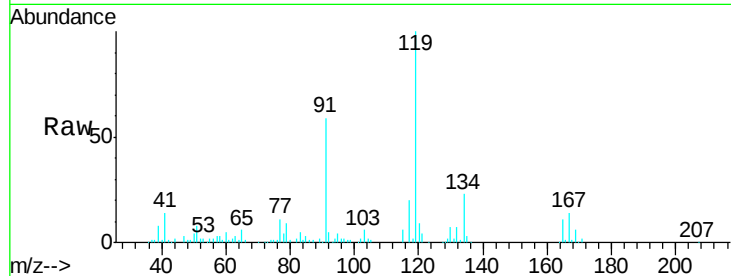


#77
 tert-Butylbenzene
 Concen: 1.774 ug/l
 RT: 11.45 min Scan# 3143
 Delta R.T. -0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

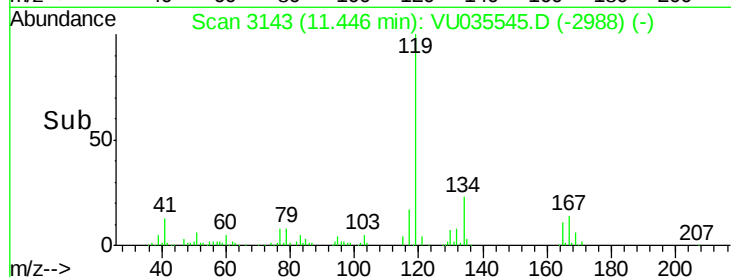
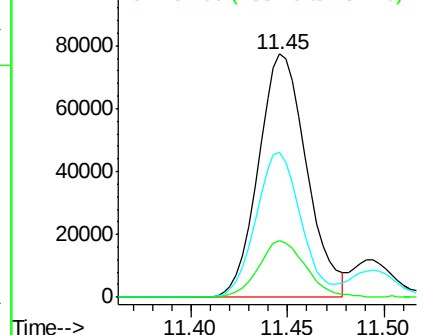
Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	133760		
91	55.9	27.9	83.7	
134	22.9	18.3	27.5	

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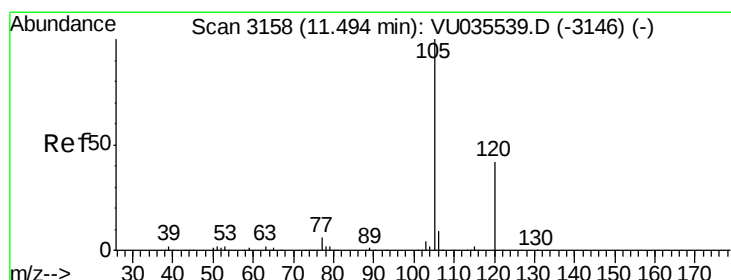


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V



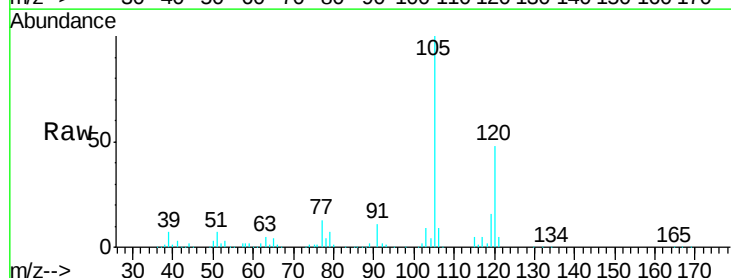
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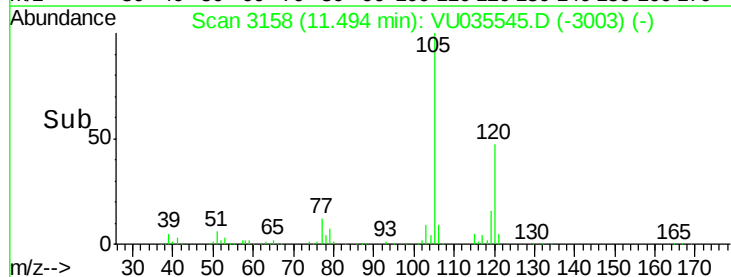
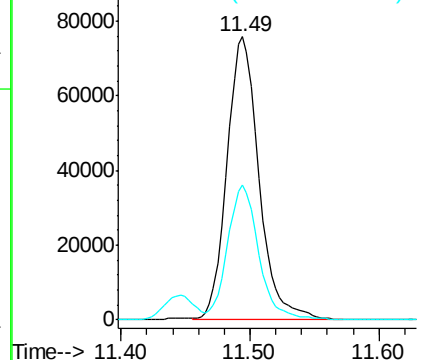


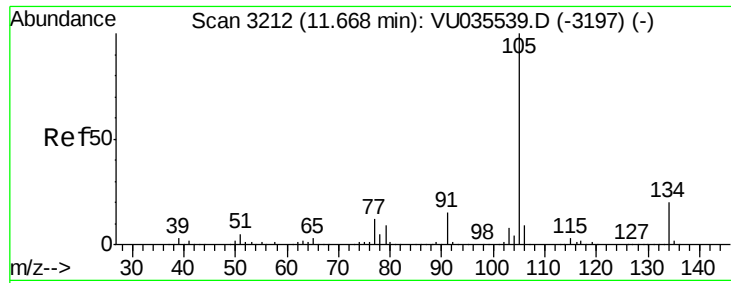
#78
 1,2,4-Trimethylbenzene
 Concen: 1.745 ug/l
 RT: 11.49 min Scan# 3158
 Delta R.T. -0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	129837		
120	46.8	23.2	69.5	



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



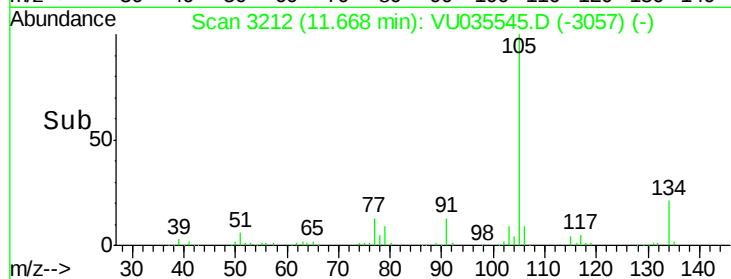
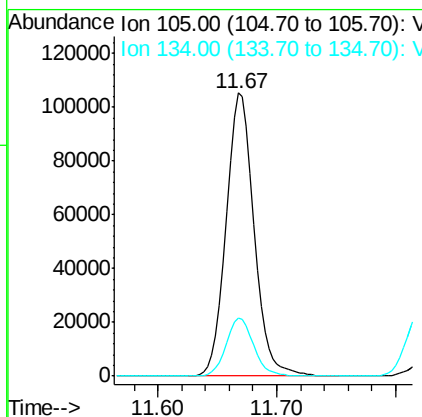
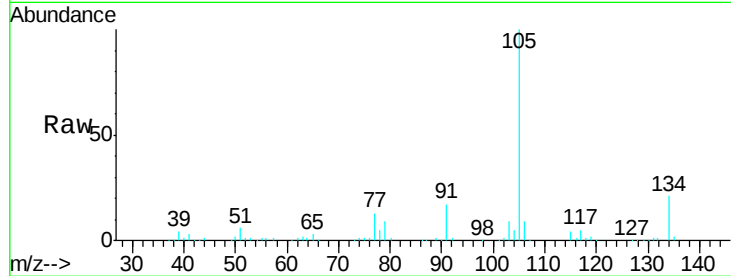


#79
 sec-Butylbenzene
 Concen: 1.780 ug/l
 RT: 11.67 min Scan# 3212
 Delta R.T. -0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBS01

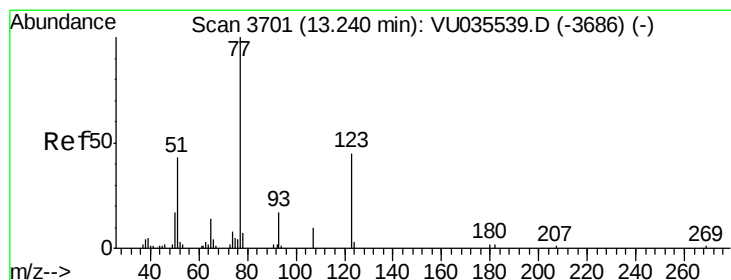
Tgt Ion: 105 Resp: 171649
 Ion Ratio Lower Upper
 105 100
 134 20.3 15.9 23.9

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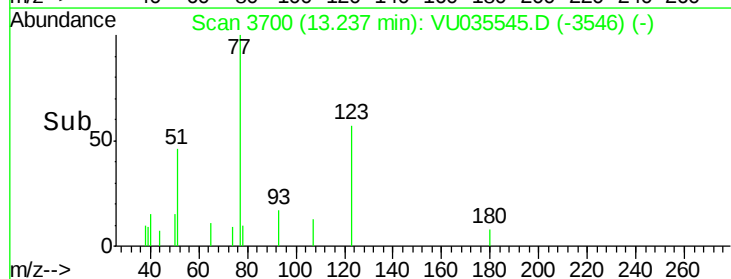
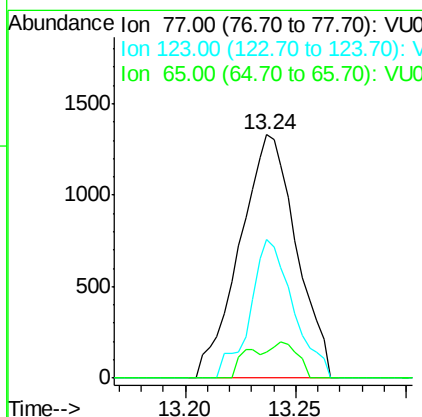
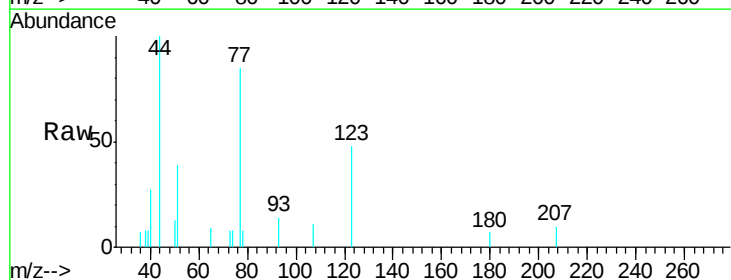
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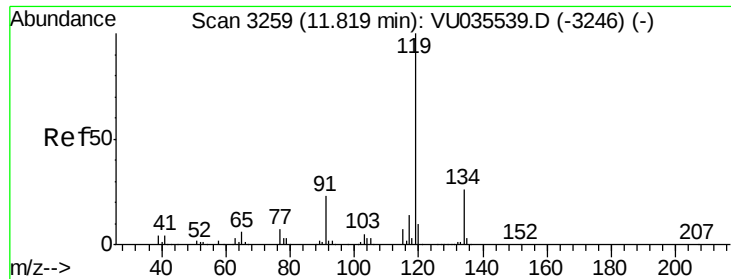
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#80
 Nitrobenzene
 Concen: 3.170 ug/l
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Tgt Ion: 77 Resp: 2368
 Ion Ratio Lower Upper
 77 100
 123 43.1 18.9 67.1
 65 7.7 11.2 14.2#



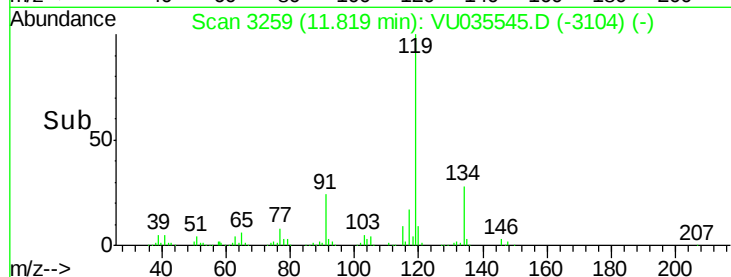
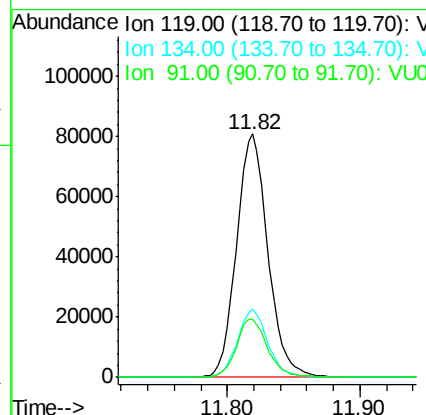
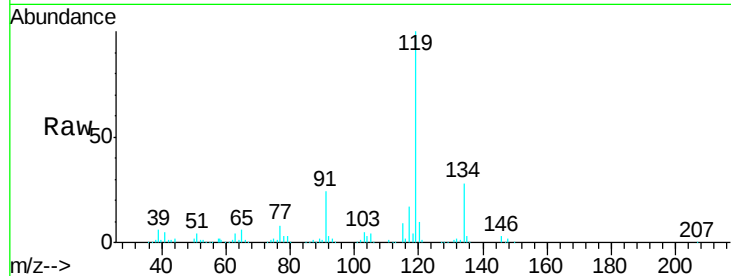


#81
p-Isopropyltoluene
Concen: 1.716 ug/l
RT: 11.82 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

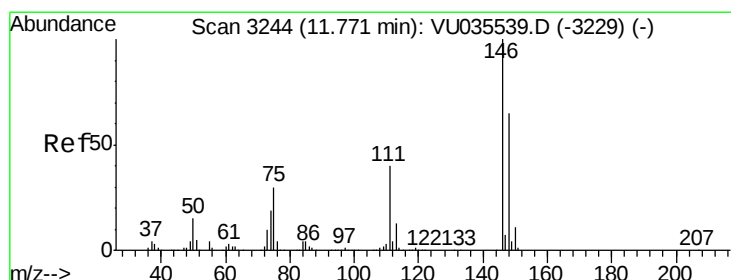
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	132443		
134	27.1	17.0	25.4#	
91	24.1	41.3	61.9#	

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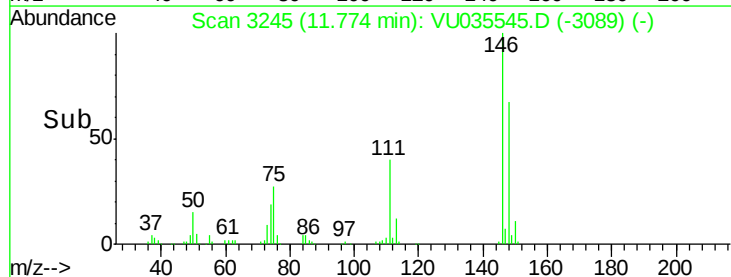
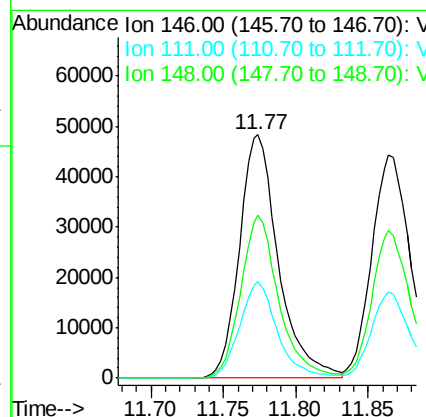
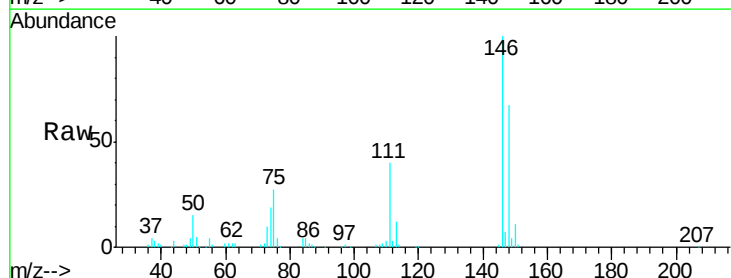
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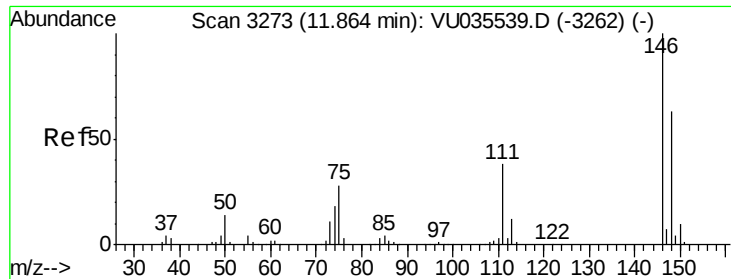
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#82
1,3-Dichlorobenzene
Concen: 1.908 ug/l
RT: 11.77 min Scan# 3245
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	90331		
111	38.5	31.8	47.6	
148	65.1	50.9	76.3	



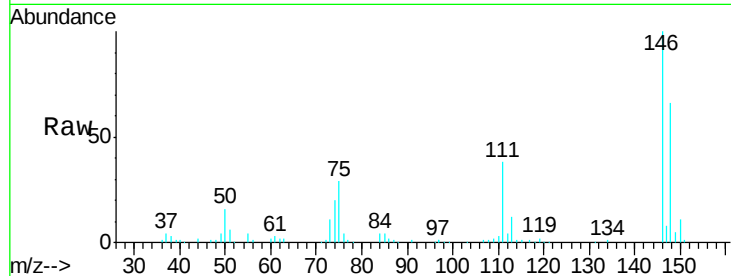


#83
 1,4-Dichlorobenzene
 Concen: 1.892 ug/l
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

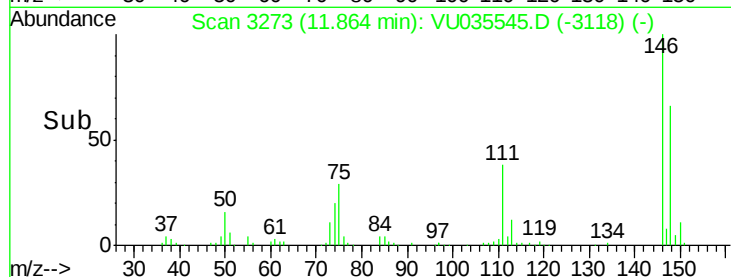
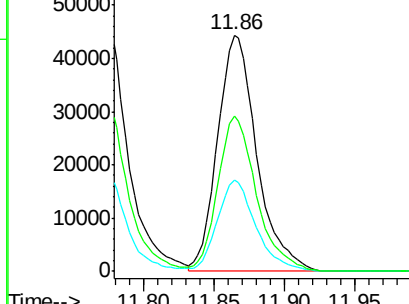
Instrument :
 MSVOA_U
 ClientSampleId :
 VN1029WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	30.1	45.1
148	65.2	51.0	76.4

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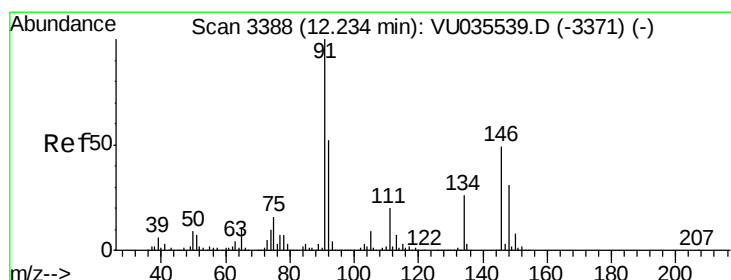


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



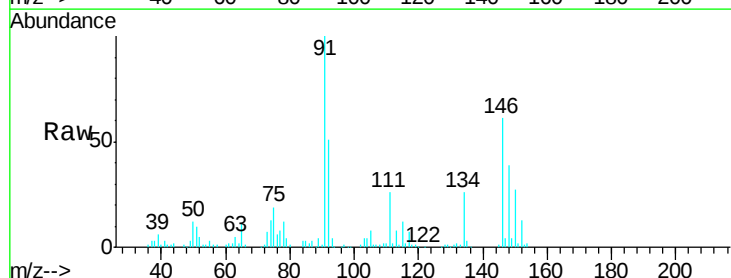
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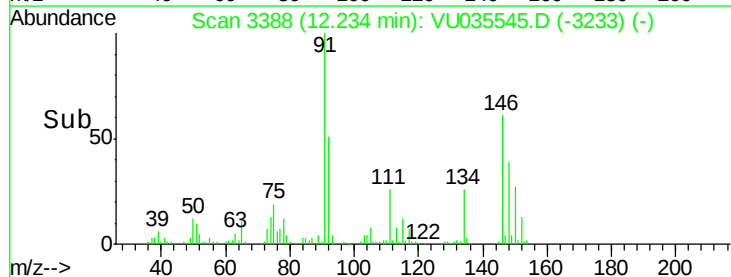
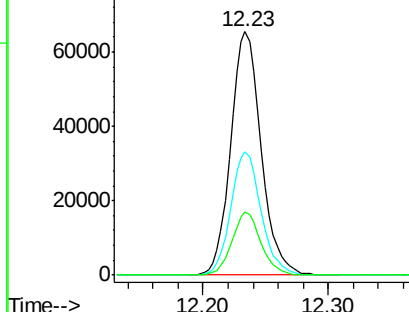


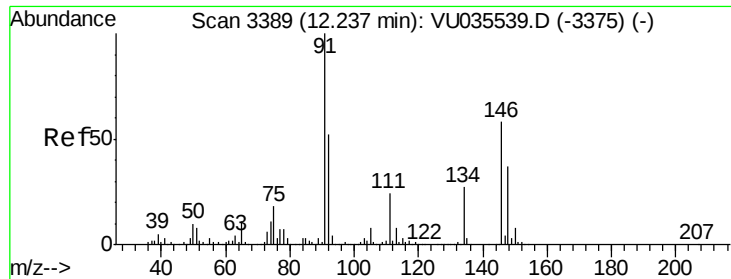
#84
 n-Butylbenzene
 Concen: 1.739 ug/l
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU035545.D
 Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.3	41.4	62.0
134	24.5	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: 1.902 ug/l

RT: 12.24 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

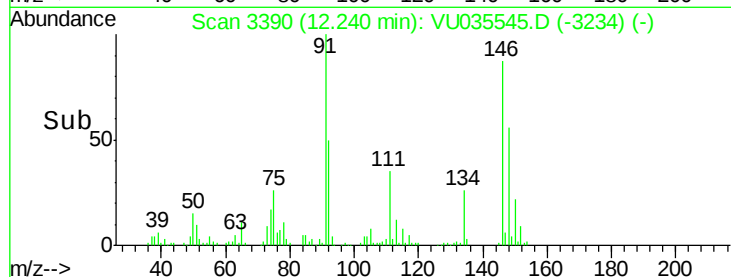
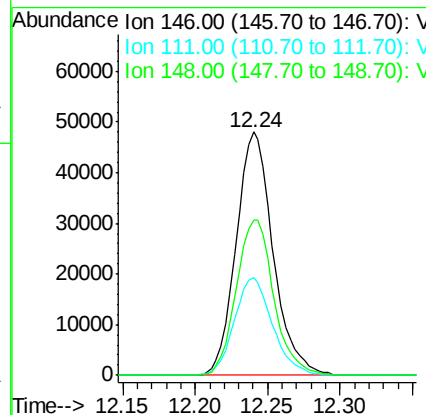
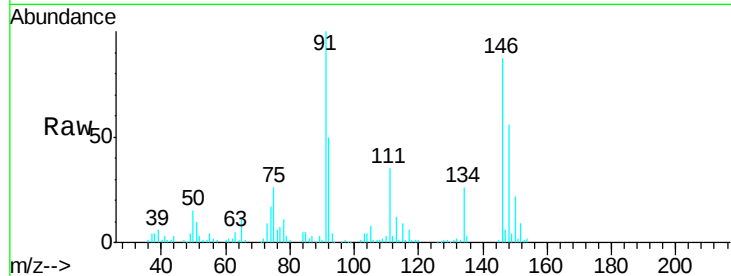
MSVOA_U

ClientSampleId :

VN1029WBS01

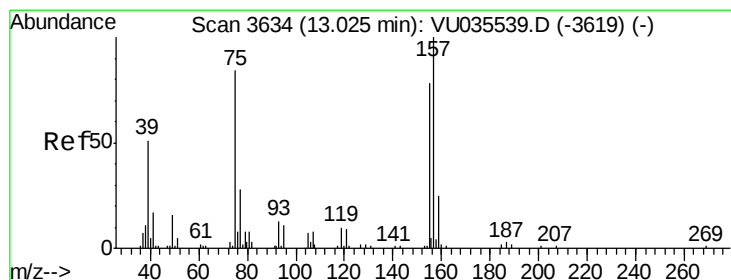
Tgt Ion:	146	Resp:	84820
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.5	61.5
148	64.9	32.0	96.2

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.917 ug/l

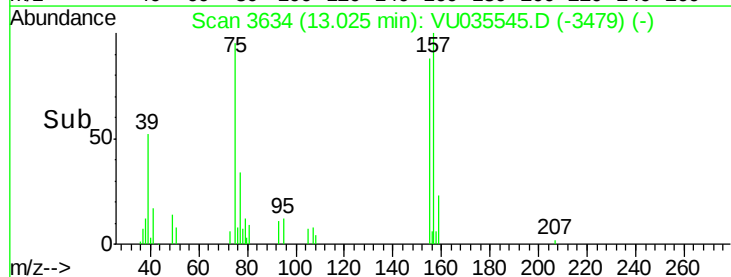
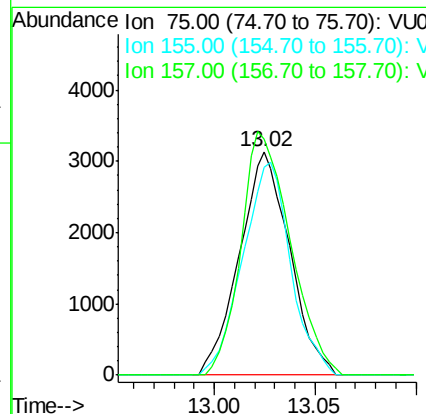
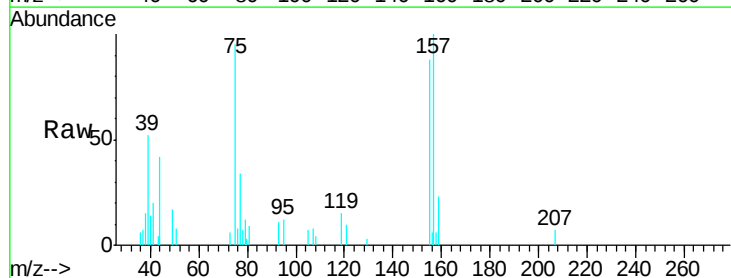
RT: 13.02 min Scan# 3634

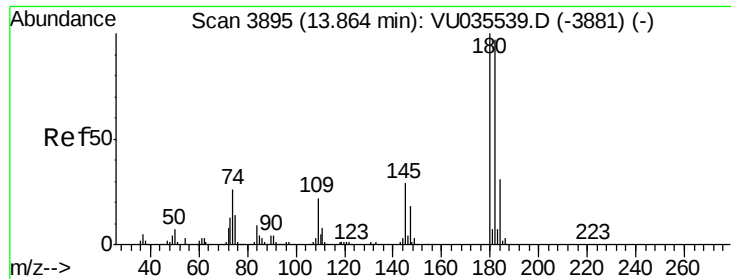
Delta R.T. -0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Tgt Ion:	75	Resp:	5443
Ion Ratio	Lower	Upper	
75	100		
155	91.3	71.3	106.9
157	107.5	91.2	136.8





#87

1,2,4-Trichlorobenzene

Concen: 1.806 ug/l

RT: 13.87 min Scan# 3896

Delta R.T. 0.00 min

Lab File: VU035545.D

Acq: 29 Oct 2019 18:27

Instrument :

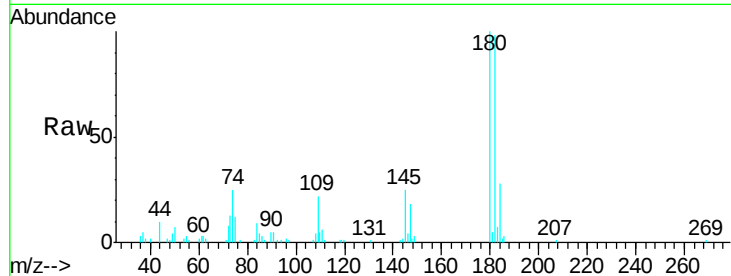
MSVOA_U

ClientSampleId :

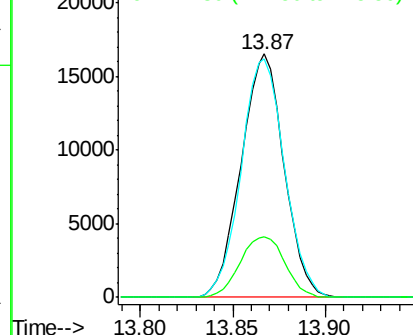
VN1029WBS01

Tgt Ion:	180	Resp:	26468
Ion Ratio	Lower	Upper	
180	100		
182	99.0	77.4	116.0
145	25.7	22.6	33.8

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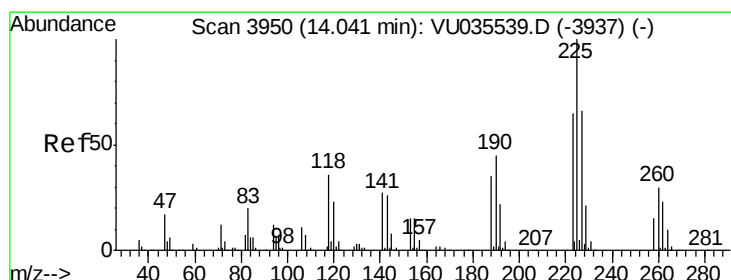
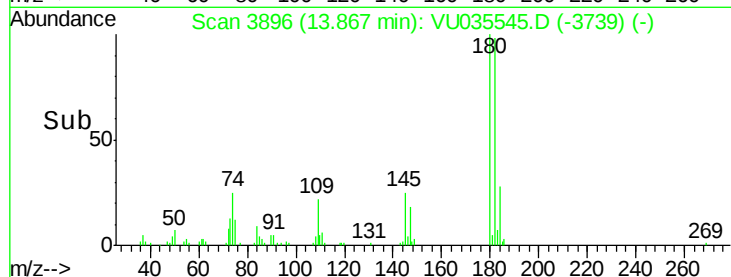


Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



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#88

Hexachlorobutadiene

Concen: 1.976 ug/l

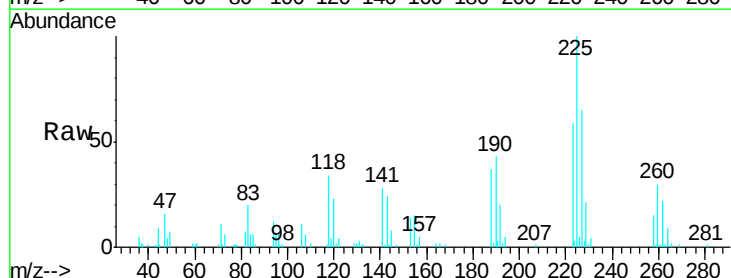
RT: 14.04 min Scan# 3950

Delta R.T. -0.00 min

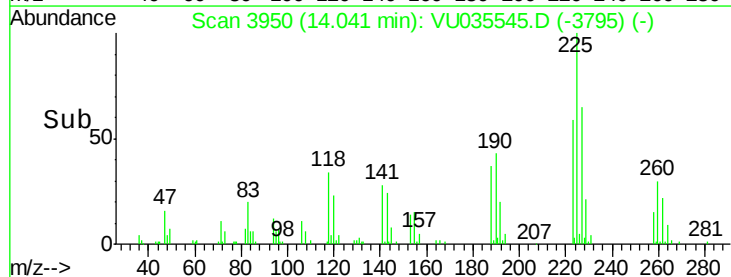
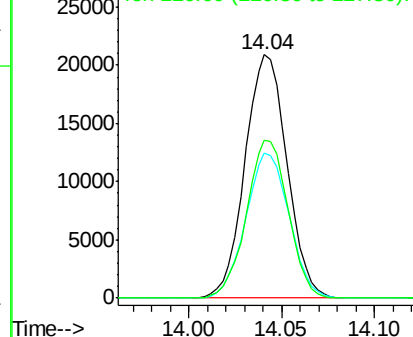
Lab File: VU035545.D

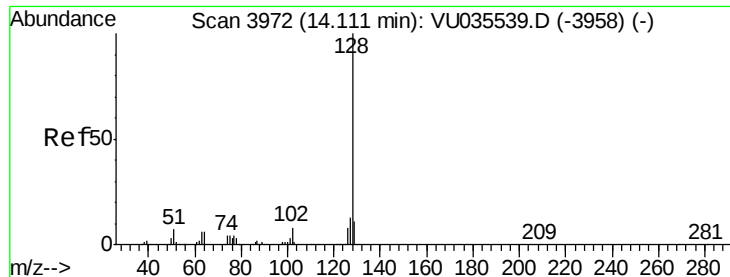
Acq: 29 Oct 2019 18:27

Tgt Ion:	225	Resp:	32821
Ion Ratio	Lower	Upper	
225	100		
223	61.5	50.7	76.1
227	64.2	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



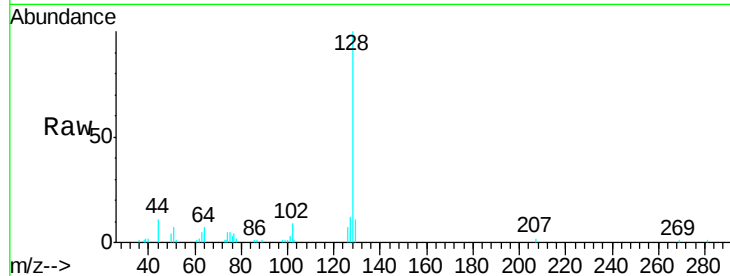


#89
Naphthalene
Concen: 1.626 ug/l
RT: 14.11 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

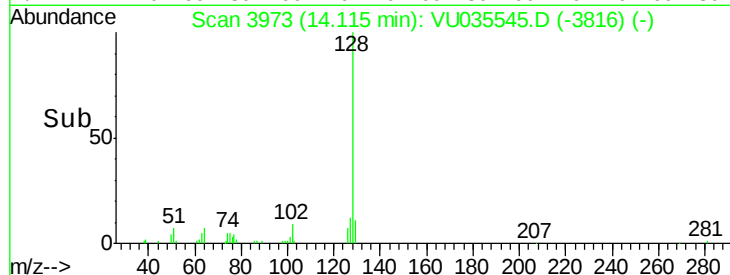
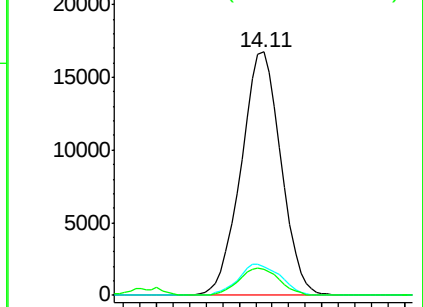
Instrument :
MSVOA_U
ClientSampleId :
VN1029WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	11.3	8.6	13.0

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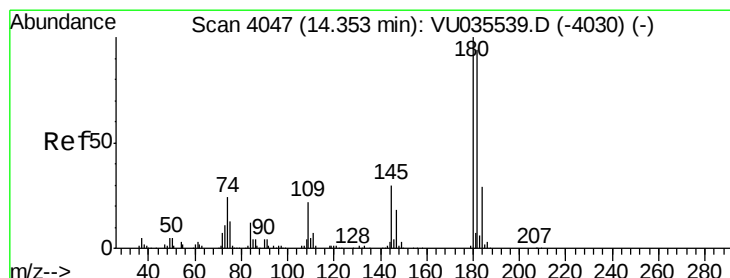


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



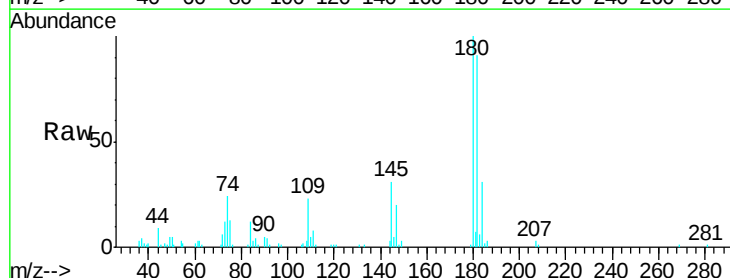
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#90
1,2,3-Trichlorobenzene
Concen: 1.774 ug/l
RT: 14.36 min Scan# 4048
Delta R.T. 0.00 min
Lab File: VU035545.D
Acq: 29 Oct 2019 18:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	75.8	113.8
145	30.6	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

