

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U091119\
 Data File : VU034468.D
 Acq On : 11 Sep 2019 10:40
 Operator : JC/SP
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

Quant Time: Sep 12 02:31:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 12 02:05:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	62915	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	24043	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	11.84	152	26109	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	45179	1.762	ug/l	98
3) Chloromethane	1.33	50	49831	1.765	ug/l	100
4) Vinyl Chloride	1.40	62	48791	1.569	ug/l	99
5) Bromomethane	1.63	94	27150	1.399	ug/l	96
6) Chloroethane	1.70	64	28347	1.347	ug/l	96
7) Trichlorofluoromethane	1.88	101	60127	1.428	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	33303	1.520	ug/l	98
9) 1,1-Dichloroethene	2.28	96	32020	1.482	ug/l	93
10) Iodomethane	2.40	142	24771	0.877	ug/l	98
11) Allyl Chloride	2.58	41	52451	1.472	ug/l	97
12) Acrylonitrile	2.93	53	13372	2.280	ug/l	99
13) Acetone	2.31	43	28059	5.585	ug/l	100
14) Carbon Disulfide	2.47	76	113131	1.389	ug/l	100
15) Methylene Chloride	2.69	84	37970	1.315	ug/l	98
16) trans-1,2-Dichloroethene	2.96	96	36759	1.441	ug/l	96
17) 1,1-Dichloroethane	3.42	63	70023	1.945	ug/l	99
18) 2-Butanone	4.26	43	37570	7.534	ug/l	99
19) Cyclohexane	4.97	56	52163m	1.950	ug/l	
20) Methylcyclohexane	6.39	83	54431	2.020	ug/l	98
21) 2,2-Dichloropropane	4.20	77	56183	1.837	ug/l	100
22) cis-1,2-Dichloroethene	4.21	96	38633	1.903	ug/l	99
23) Diethyl Ether	2.10	59	25198	1.380	ug/l	97
24) tert-Butyl Alcohol	2.82	59	34358	12.390	ug/l #	95
25) Methyl tert-Butyl Ether	2.99	73	80075	1.318	ug/l	100
26) Bromochloromethane	4.53	128	16135	1.824	ug/l	95
27) Chloroform	4.65	83	71968	1.776	ug/l	98
28) 1,1,1-Trichloroethane	4.89	97	57171	1.825	ug/l	99
29) 1,1-Dichloropropene	5.11	75	47992	1.845	ug/l	98
30) Carbon Tetrachloride	5.11	117	50901	1.840	ug/l	99
31) Isopropyl Ether	3.56	45	96610	2.078	ug/l	95
32) Ethyl-t-butyl ether	4.05	59	82694	1.892	ug/l	99
33) Tert-Amyl methyl ether	5.56	73	67285	1.743	ug/l	98
34) Propionitrile	4.32	54	11430	8.108	ug/l #	86
35) Benzene	5.37	78	144990	1.918	ug/l	99
36) 1,2-Dichloroethane	5.39	62	37763	1.557	ug/l	100
37) Trichloroethene	6.16	130	40079	1.987	ug/l	95
38) 1,2-Dichloropropane	6.41	63	39004	1.883	ug/l	97
39) Methacrylonitrile	4.53	41	9680	1.709	ug/l	93
40) Methyl acrylate	4.42	55	12955	1.473	ug/l	97
41) Tetrahydrofuran	4.63	42	9225	3.261	ug/l	96
42) 1-Chlorobutane	5.04	56	65595	1.868	ug/l	95

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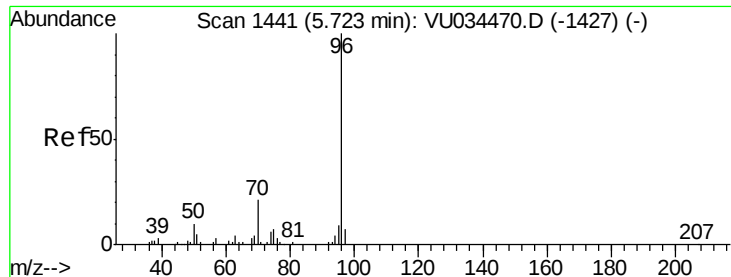
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

Quant Time: Sep 12 02:31:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U091119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 12 02:05:08 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	18309	1.643	ug/l	97
44) Bromodichloromethane	6.74	83	47045	1.725	ug/l	97
45) 4-Methyl-2-Pentanone	7.45	43	90838	8.027	ug/l	97
46) t-1,4-Dichloro-2-butene	10.50	75	13518m	3.016	ug/l	
47) Methyl methacrylate	6.61	69	28594	3.356	ug/l	99
48) Ethyl methacrylate	8.00	69	24603m	1.629	ug/l	MMDadoda
49) Toluene	7.62	92	83786	1.935	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	35289	1.562	ug/l	98
51) cis-1,3-Dichloropropene	7.25	75	45895	1.693	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	25183	1.684	ug/l	99
53) 1,3-Dichloropropane	8.22	76	41510	1.639	ug/l	100 9/12/2019 4:53:22 PM
54) 2-Hexanone	8.35	43	58973	7.430	ug/l	95
55) Dibromochloromethane	8.46	129	31382	1.781	ug/l	99
56) 1,2-Dibromoethane	8.57	107	23301	1.674	ug/l	94
58) Tetrachloroethene	8.21	164	41032	2.231	ug/l	97
59) Chlorobenzene	9.10	112	94652	1.912	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.19	131	35528	1.892	ug/l	98
61) Pentachloroethane	11.08	117	28667	1.869	ug/l	97
62) Hexachloroethane	12.12	117	23815	1.628	ug/l	100
63) Ethyl Benzene	9.23	91	143367	1.802	ug/l	100
64) m/p-Xylenes	9.35	106	118298	3.711	ug/l	98
65) o-Xylene	9.76	106	57135	1.872	ug/l	98
66) Styrene	9.77	104	93778	1.820	ug/l	97
67) Bromoform	9.94	173	18447	1.917	ug/l	98
69) Isopropylbenzene	10.14	105	146721	1.870	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.44	83	31523	1.594	ug/l	97
71) 1,2,3-Trichloropropane	10.48	75	23307m	1.520	ug/l	
72) Bromobenzene	10.43	156	39828	1.919	ug/l	96
73) n-propylbenzene	10.57	120	42358	1.890	ug/l	97
74) 2-Chlorotoluene	10.64	126	39571	1.945	ug/l	96
75) 1,3,5-Trimethylbenzene	10.75	105	136294	1.943	ug/l	99
76) 4-Chlorotoluene	10.75	126	39428	1.872	ug/l	97
77) tert-Butylbenzene	11.08	119	131283	1.956	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	134885	1.884	ug/l	100
79) sec-Butylbenzene	11.30	105	178332	1.948	ug/l	100
80) Nitrobenzene	12.87	77	1839m	2.296	ug/l	
81) p-Isopropyltoluene	11.45	119	147277	1.968	ug/l	98
82) 1,3-Dichlorobenzene	11.40	146	88151	2.004	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	86496	1.992	ug/l	98
84) n-Butylbenzene	11.87	91	132140	1.752	ug/l	97
85) 1,2-Dichlorobenzene	11.86	146	77804	1.898	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	4465	1.454	ug/l	95
87) 1,2,4-Trichlorobenzene	13.48	180	39850	1.631	ug/l	100
88) Hexachlorobutadiene	13.67	225	34193	2.187	ug/l	98
89) Naphthalene	13.73	128	45538	1.133	ug/l	98
90) 1,2,3-Trichlorobenzene	13.97	180	37532	1.592	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

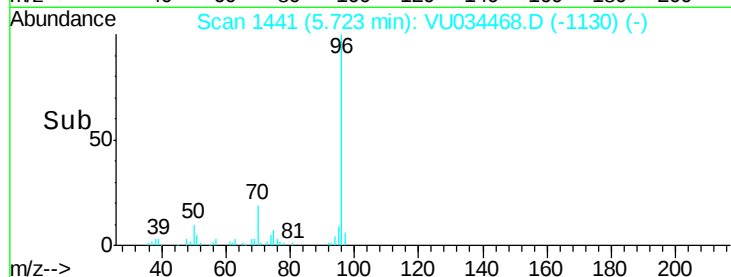
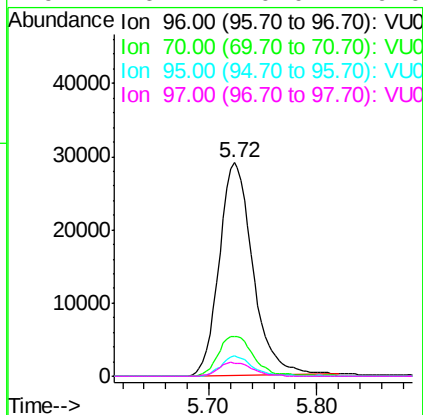
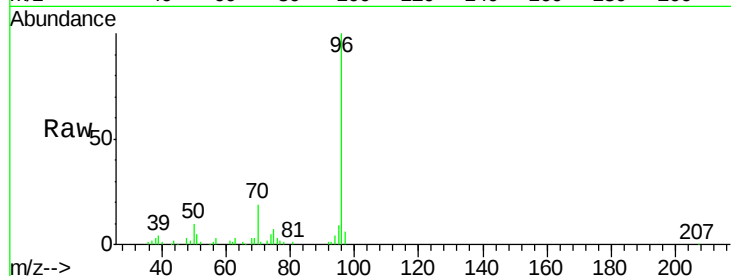
MSVOA_U

ClientSampleId :

VSTDIC002

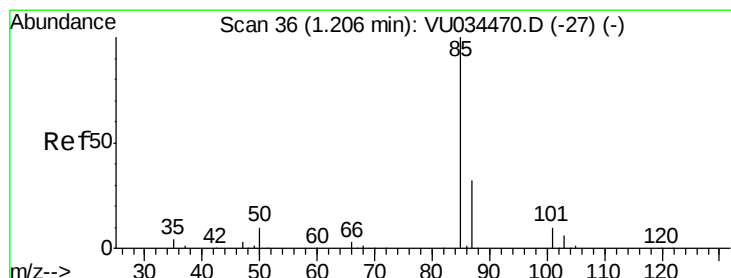
Tot Ion:	96	Resp:	62915
Ion	Ratio	Lower	Upper
96	100		
70	19.0	16.5	24.7
95	8.9	7.0	10.6
97	6.4	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 1.762 ug/l

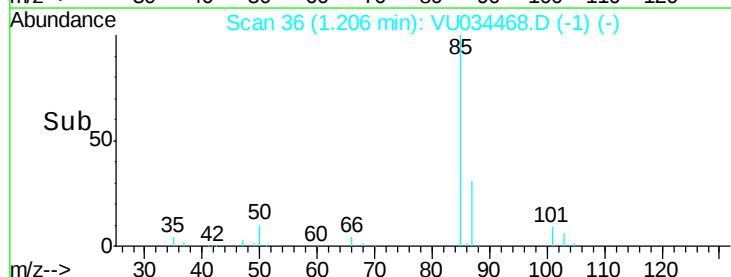
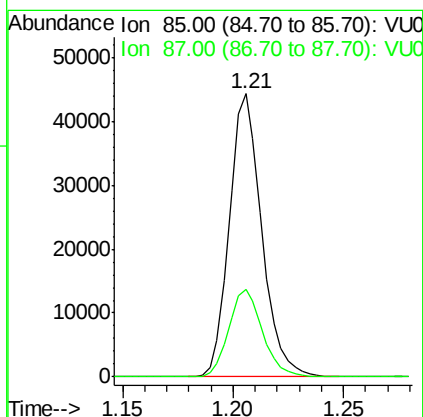
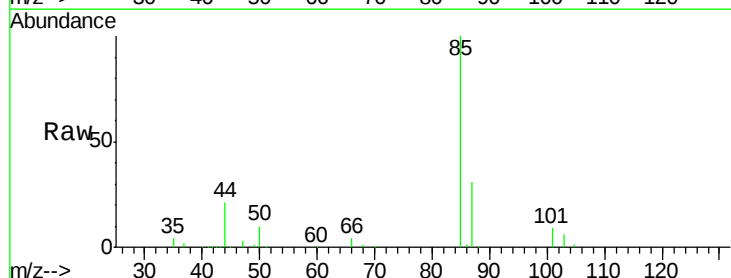
RT: 1.21 min Scan# 36

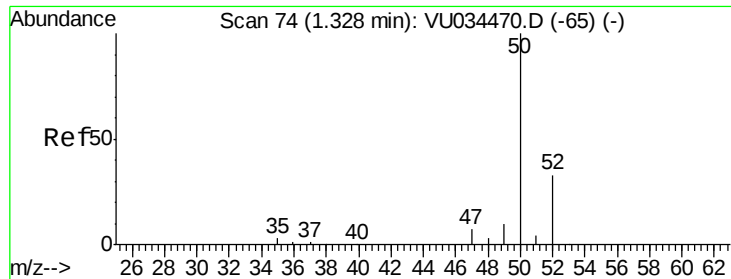
Delta R.T. -0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Tgt Ion:	85	Resp:	45179
Ion	Ratio	Lower	Upper
85	100		
87	31.1	16.1	48.3





#3

Chloromethane

Concen: 1.765 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

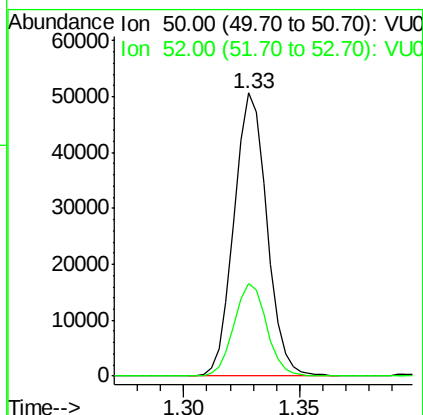
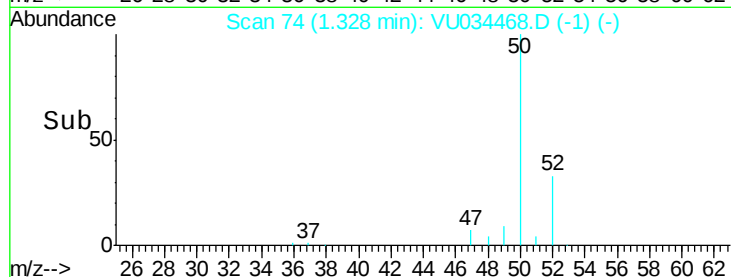
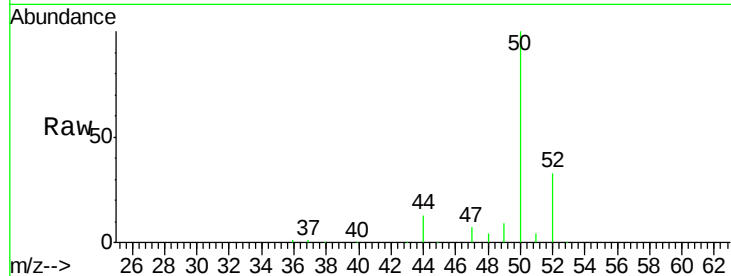
Tot Ion: 50 Resp: 49831

Ion Ratio Lower Upper

50 100

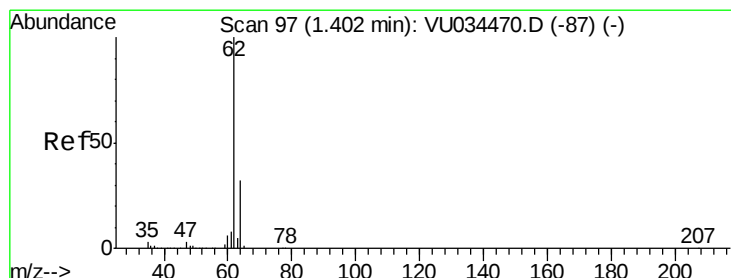
52 32.9 26.2 39.4

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#4

Vinyl Chloride

Concen: 1.569 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU034468.D

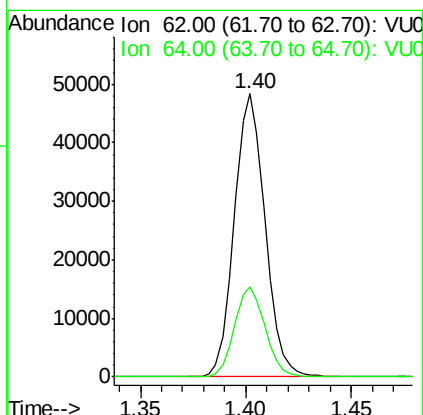
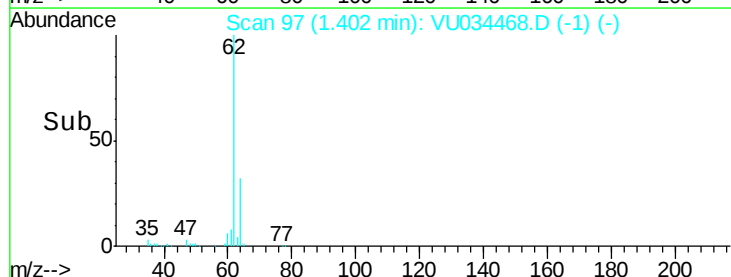
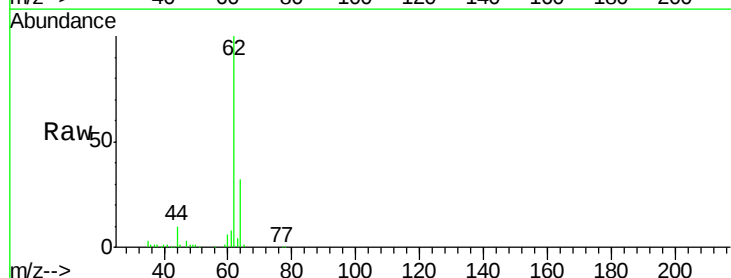
Acq: 11 Sep 2019 10:40

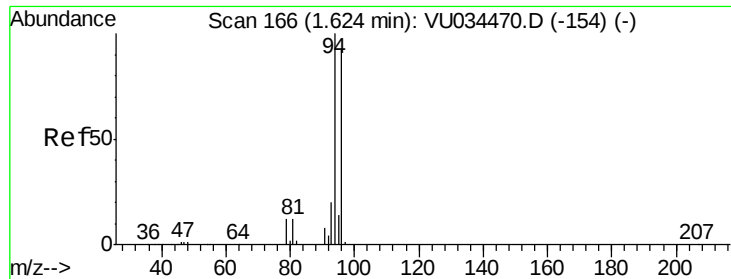
Tgt Ion: 62 Resp: 48791

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 1.399 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

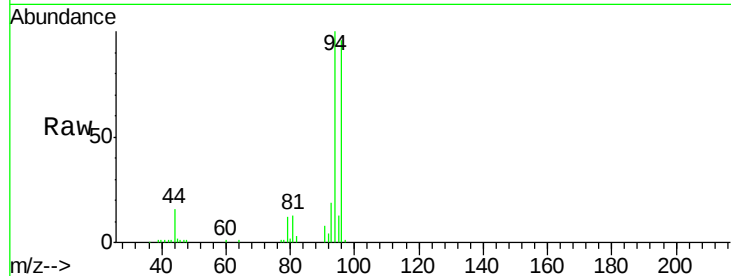
Tot Ion: 94 Resp: 27150

Ion Ratio Lower Upper

94 100

96 95.9 73.8 110.8

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Abundance Ion 94.00 (93.70 to 94.70): VU034468.D (-11) (-)

Ion 96.00 (95.70 to 96.70): VU034468.D (-11) (-)

1.63

25000

20000

15000

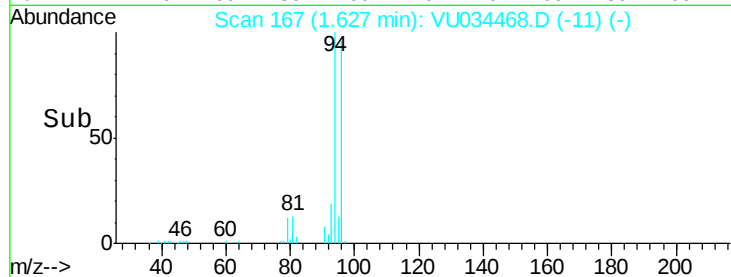
10000

5000

0

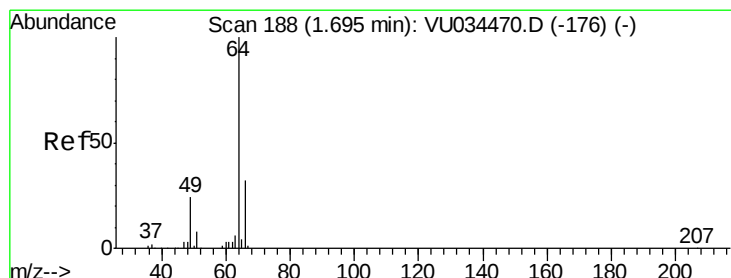
Time-->

1.55 1.60 1.65 1.70



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#6

Chloroethane

Concen: 1.347 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU034468.D

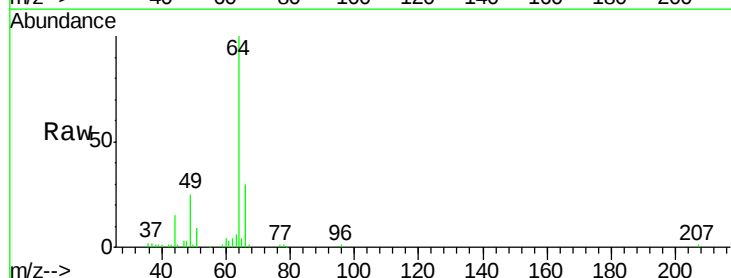
Acq: 11 Sep 2019 10:40

Tgt Ion: 64 Resp: 28347

Ion Ratio Lower Upper

64 100

66 30.0 25.8 38.8



Abundance Ion 64.00 (63.70 to 64.70): VU034468.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VU034468.D (-33) (-)

1.70

25000

20000

15000

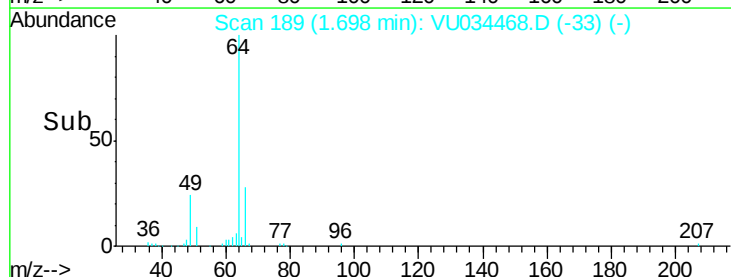
10000

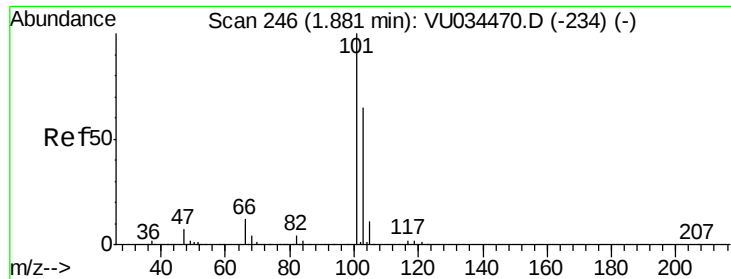
5000

0

Time-->

1.65 1.70 1.75





#7

Trichlorofluoromethane

Concen: 1.428 ug/l

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:101 Resp: 60127

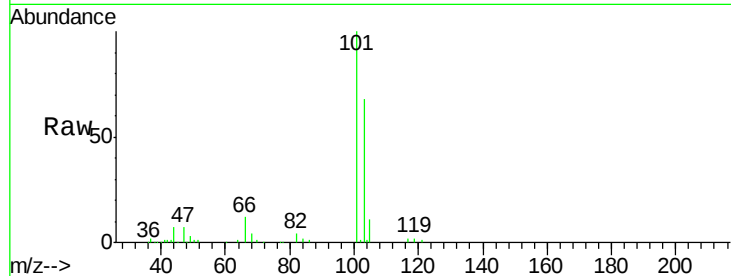
Ion Ratio Lower Upper

101 100

103 67.8 52.2 78.4

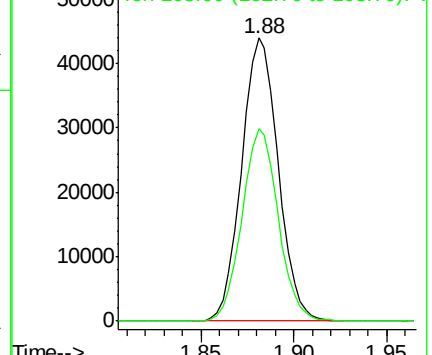
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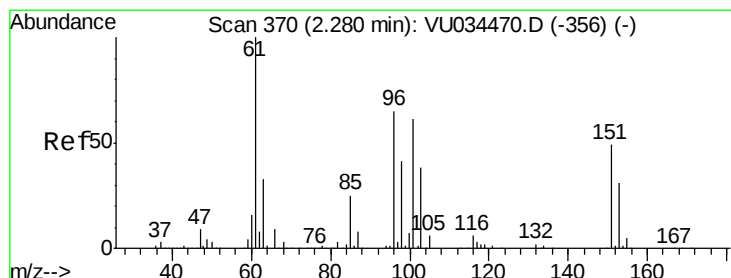
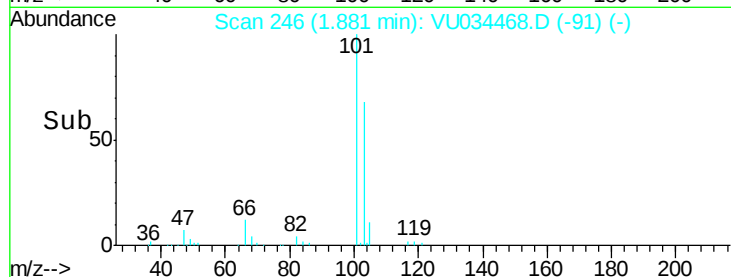
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



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#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.520 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

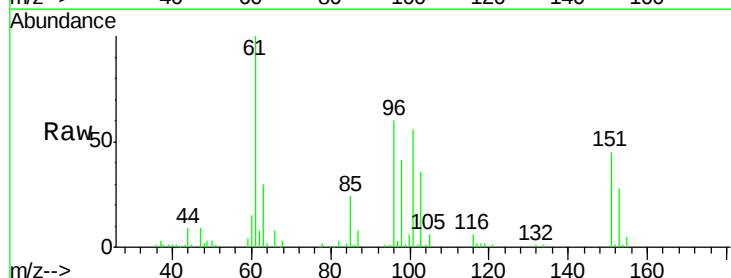
Tgt Ion:101 Resp: 33303

Ion Ratio Lower Upper

101 100

85 41.5 34.2 51.2

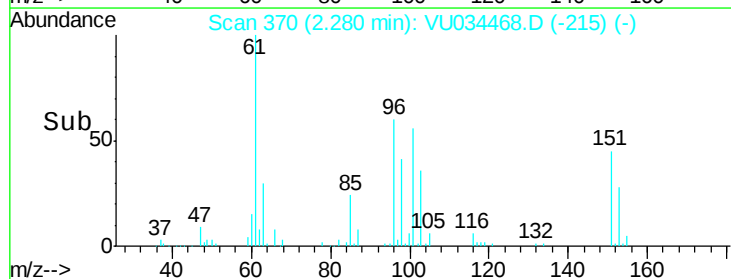
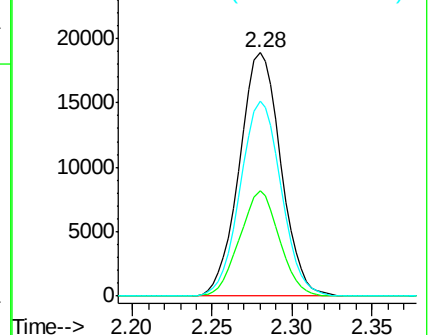
151 79.6 65.2 97.8

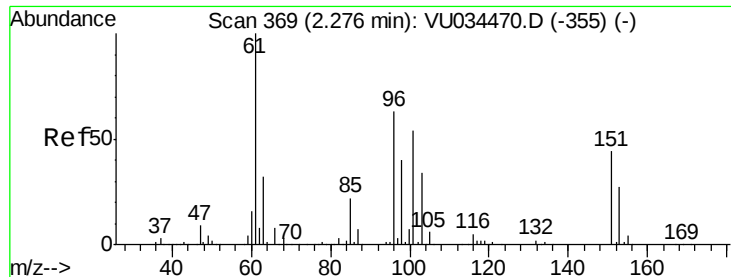


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.482 ug/l

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

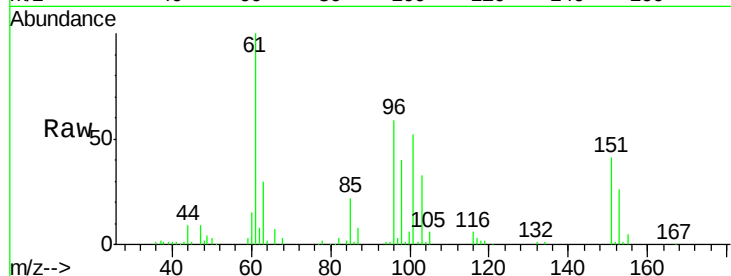
MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	32020
Ion	Ratio	Lower	Upper
96	100		
61	169.6	0.0	475.5
98	67.1	0.0	127.6

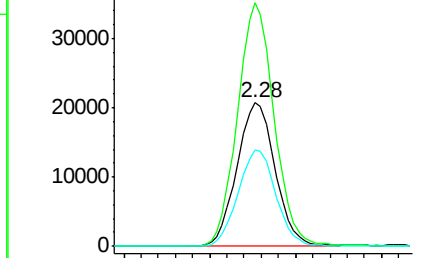
Manual Integrations
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Abundance Ion 96.00 (95.70 to 96.70): VU034468.D (-214) (-)

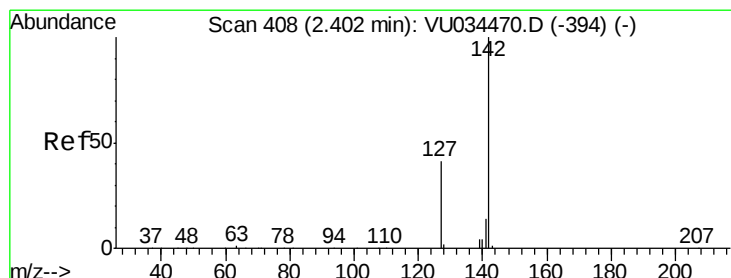
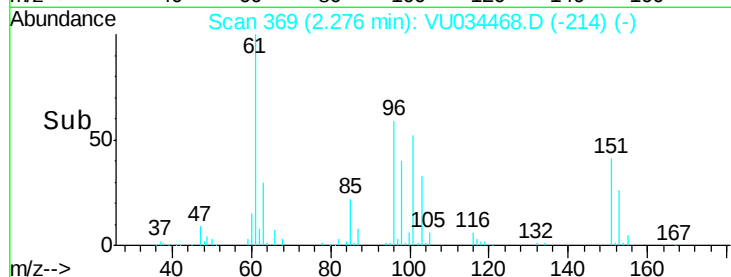
Ion 61.00 (60.70 to 61.70): VU034468.D (-214) (-)

Ion 98.00 (97.70 to 98.70): VU034468.D (-214) (-)



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#10

Iodomethane

Concen: 0.877 ug/l

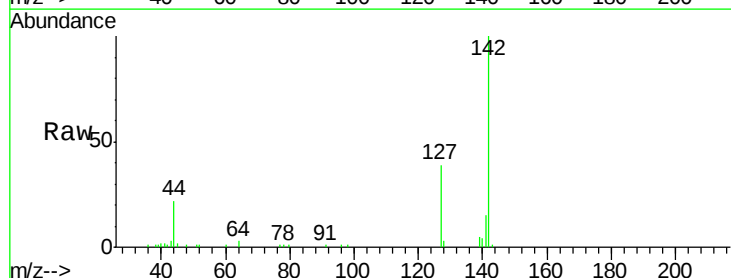
RT: 2.40 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU034468.D

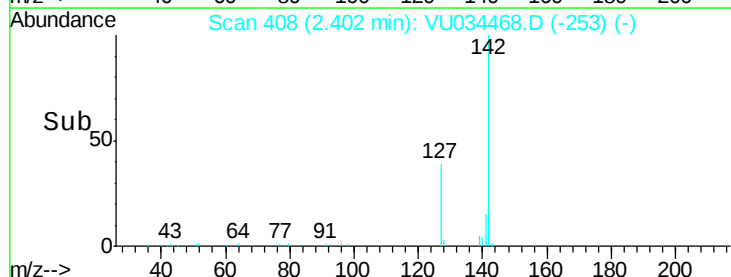
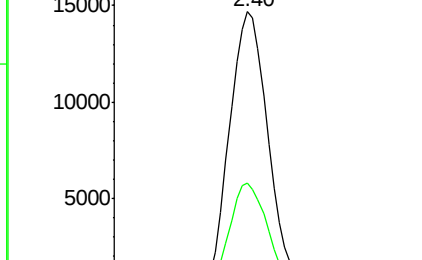
Acq: 11 Sep 2019 10:40

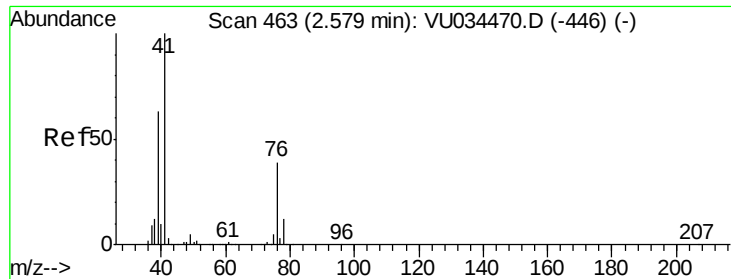
Tgt Ion:	142	Resp:	24771
Ion	Ratio	Lower	Upper
142	100		
127	40.1	33.0	49.6



Abundance Ion 142.00 (141.70 to 142.70): VU034468.D (-253) (-)

Ion 127.00 (126.70 to 127.70): VU034468.D (-253) (-)



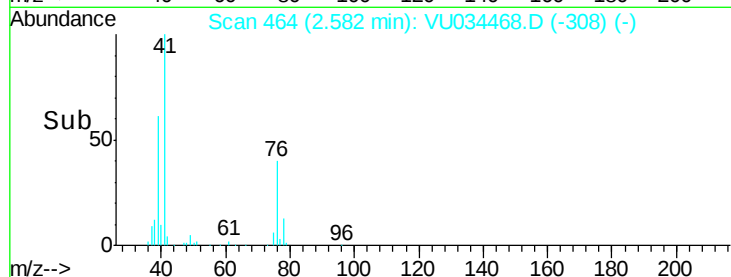
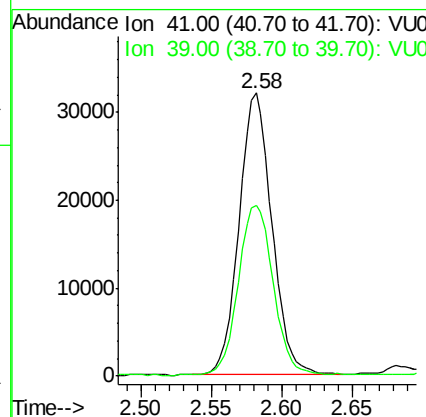
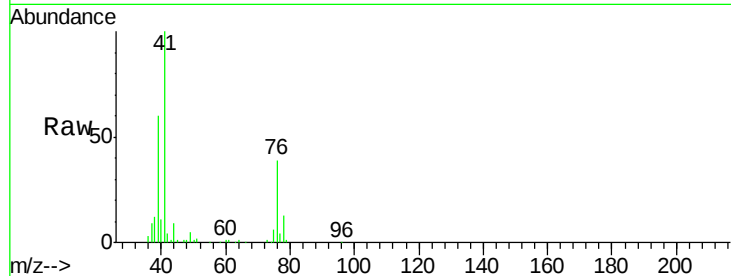


#11
Allvl Chloride
Concen: 1.472 ug/l
RT: 2.58 min Scan# 464
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

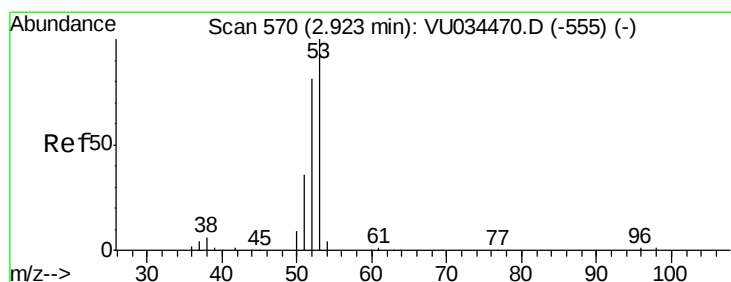
Tot Ion	Ratio	Lower	Upper
41	100		
39	65.4	50.2	75.2

Manual Integrations
APPROVED



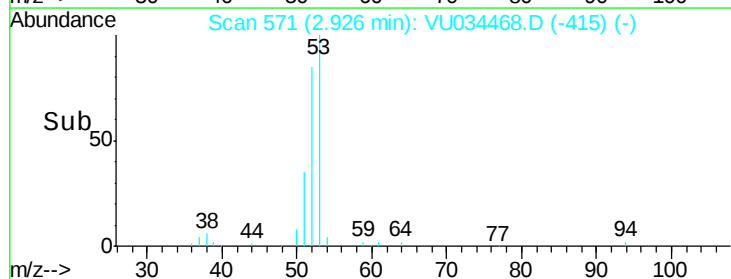
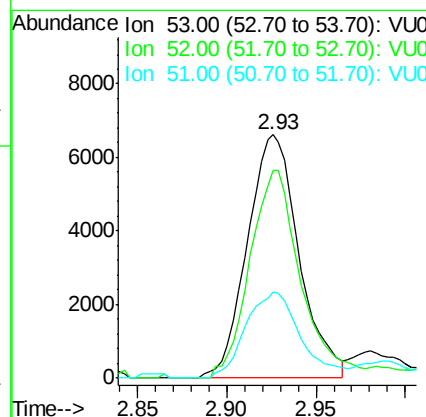
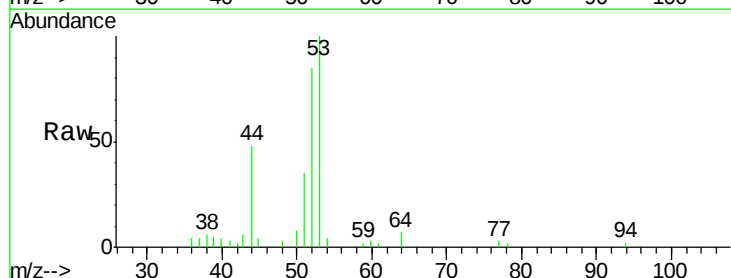
MMDadoda

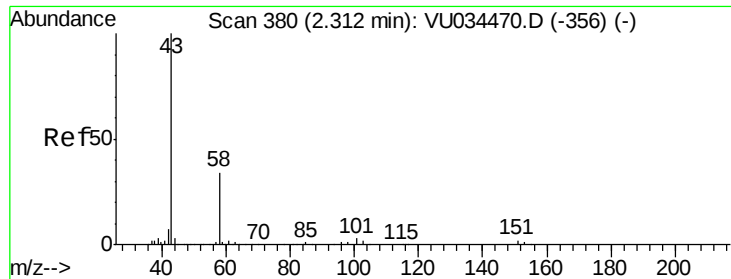
9/12/2019 4:53:22 PM



#12
Acrylonitrile
Concen: 2.280 ug/l
RT: 2.93 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.9	100.3
51	37.4	28.4	42.6



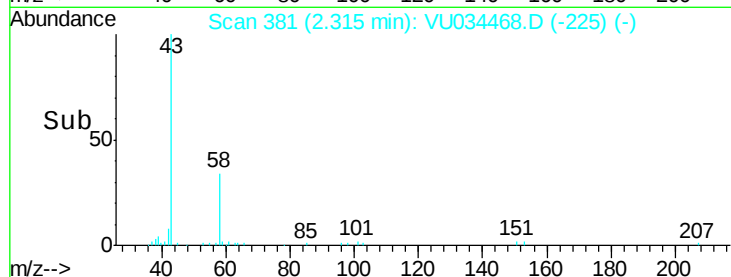
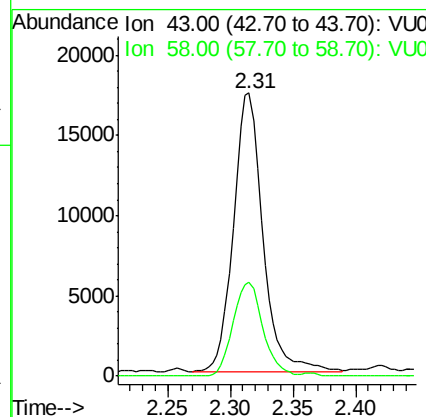
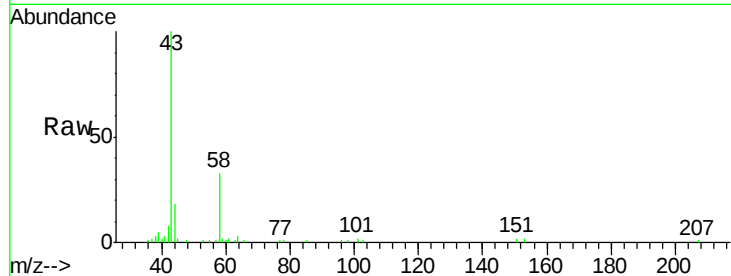


#13
Acetone
Concen: 5.585 ug/l
RT: 2.31 min Scan# 381
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

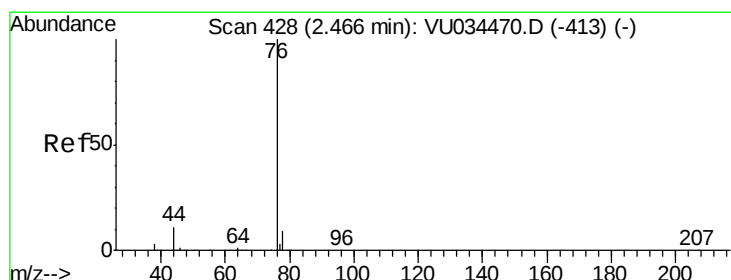
Tot Ion	43	Resp	28059
Ion Ratio	100	Lower	Upper
58	33.8	26.9	40.3

Manual Integrations
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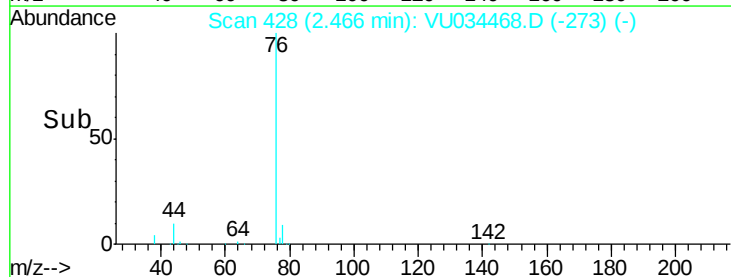
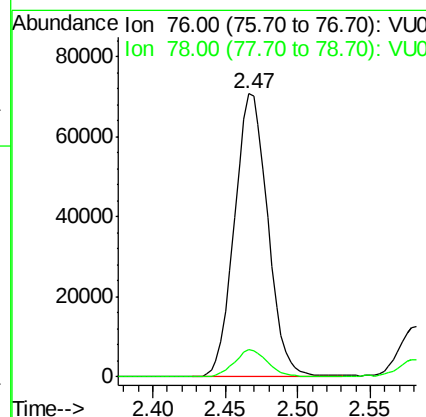
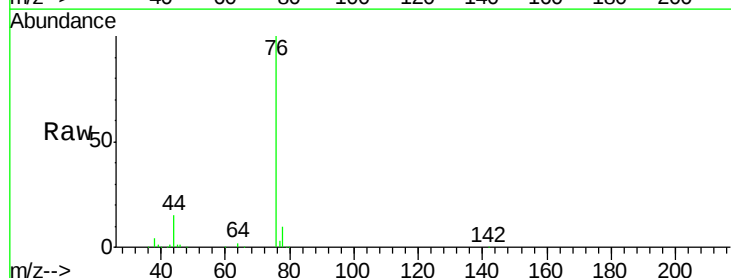
MMDadoda

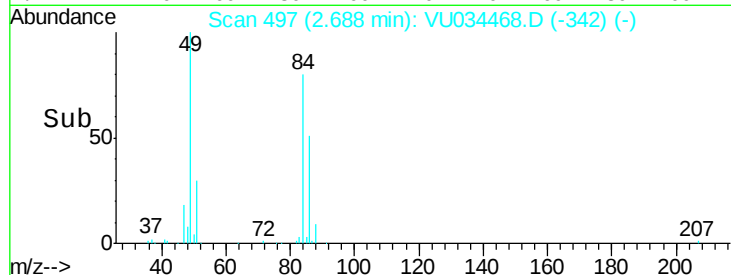
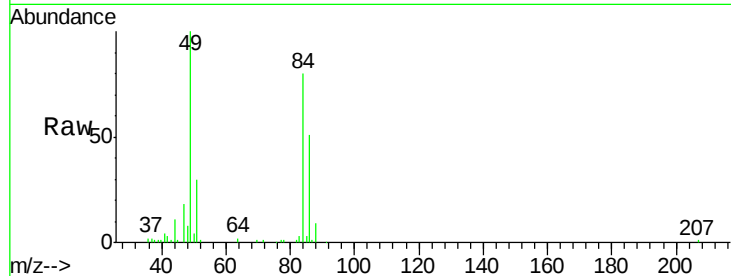
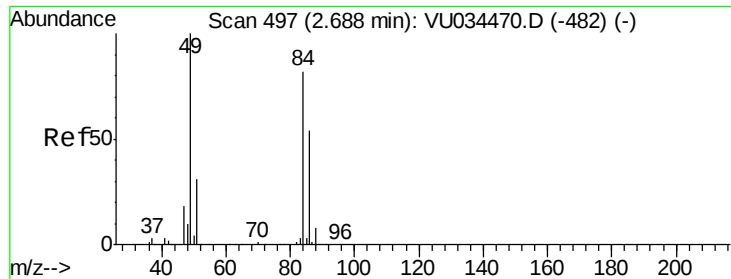
9/12/2019 4:53:22 PM



#14
Carbon Disulfide
Concen: 1.389 ug/l
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion	76	Resp	113131
Ion Ratio	100	Lower	Upper
78	9.3	7.3	10.9



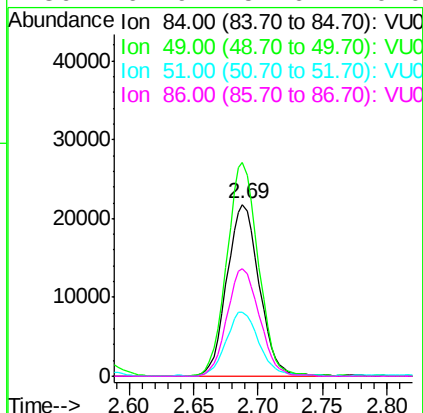


#15
Methvlene Chloride
Concen: 1.315 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tot Ion:	84	Resp:	37970
Ion	Ratio	Lower	Upper
84	100		
49	124.3	97.8	146.6
51	37.2	0.0	76.4
86	62.9	52.6	79.0

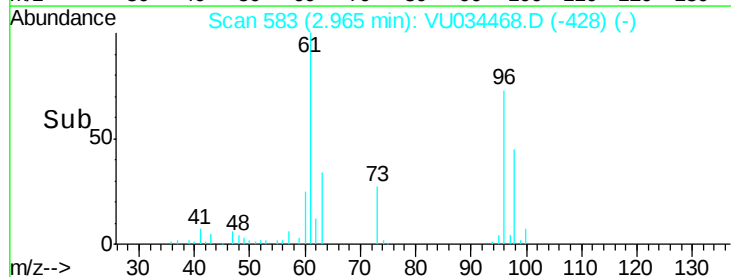
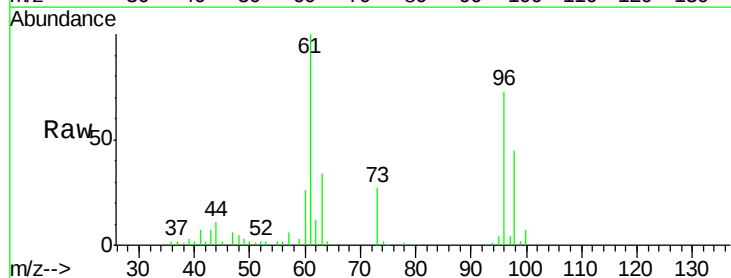
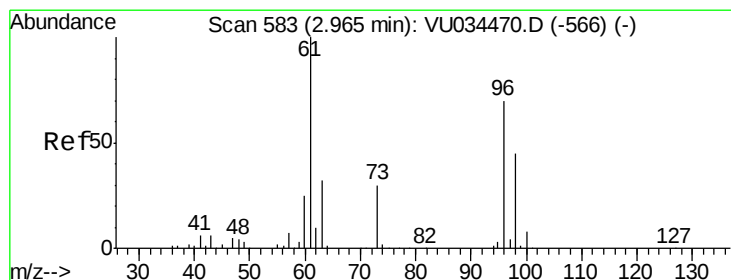
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Manual Integrations
APPROVED



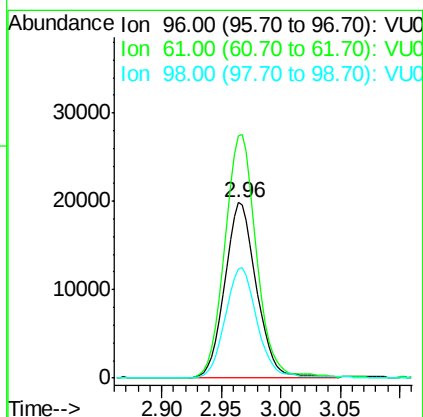
MMDadoda

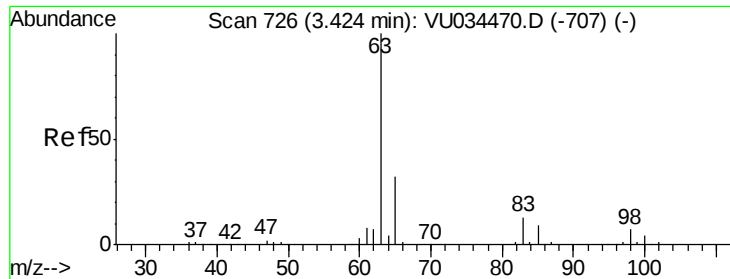
9/12/2019 4:53:22 PM



#16
trans-1,2-Dichloroethene
Concen: 1.441 ug/l
RT: 2.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion:	96	Resp:	36759
Ion	Ratio	Lower	Upper
96	100		
61	137.9	114.5	171.7
98	62.0	51.2	76.8



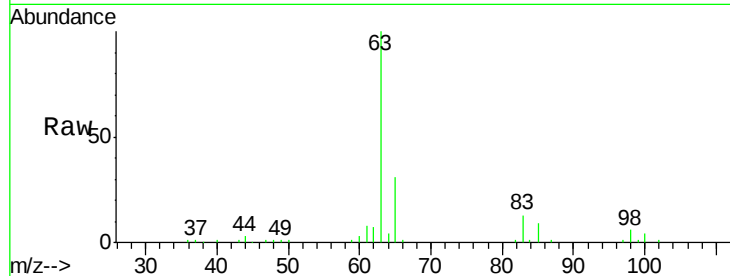


#17
 1,1-Dichloroethane
 Concen: 1.945 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

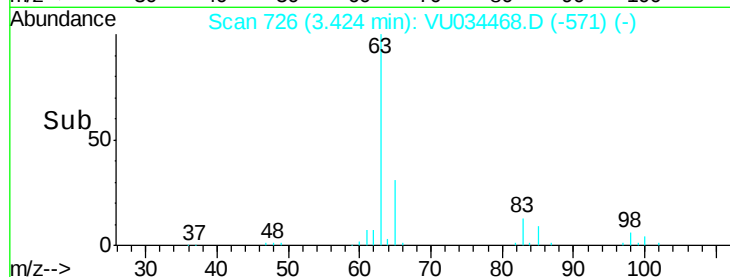
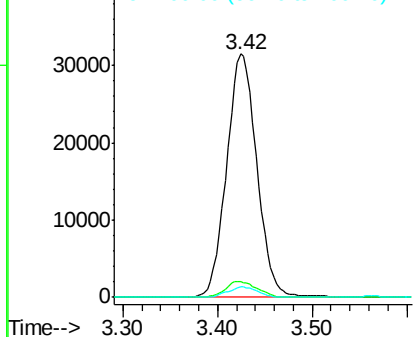
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.4
100	4.2	2.3	6.8

Manual Integrations
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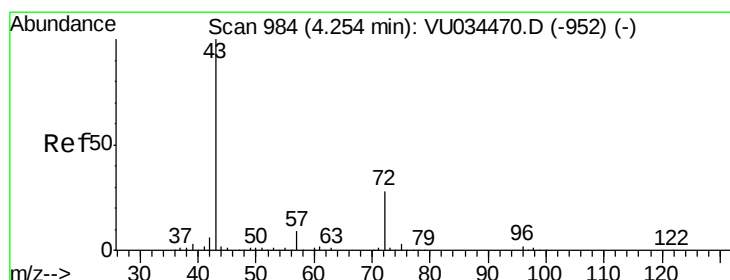


Abundance Ion 63.00 (62.70 to 63.70): VU034468.D (-707) (-)
 Ion 98.00 (97.70 to 98.70): VU034468.D (-707) (-)
 Ion 100.00 (99.70 to 100.70): VU034468.D (-707) (-)



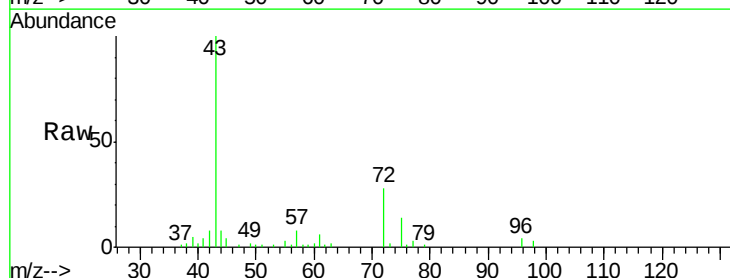
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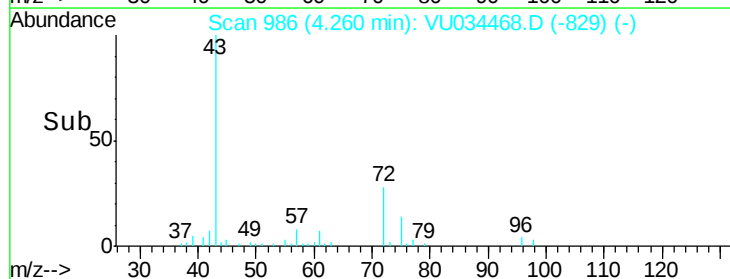
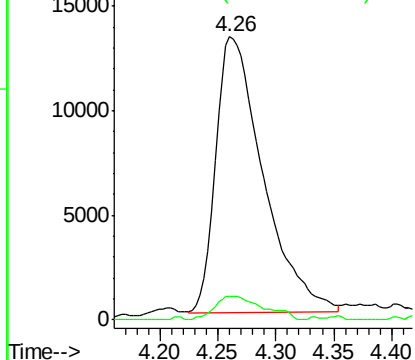


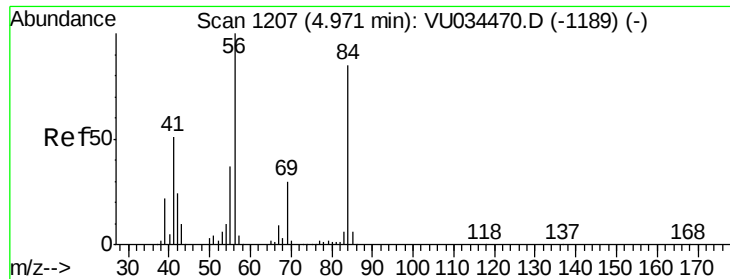
#18
 2-Butanone
 Concen: 7.534 ug/l
 RT: 4.26 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.6	0.0	17.8



Abundance Ion 43.00 (42.70 to 43.70): VU034468.D (-829) (-)
 Ion 57.00 (56.70 to 57.70): VU034468.D (-829) (-)



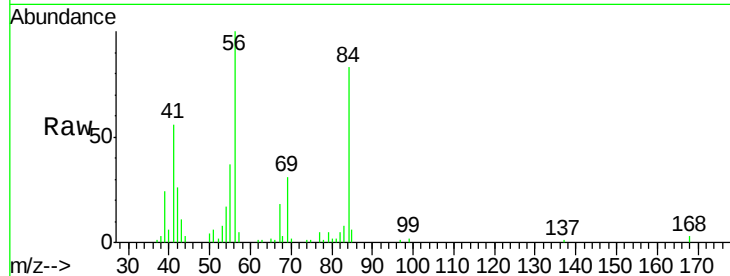


#19
Cyclohexane
Concen: 1.950 ug/l m
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.4	36.6
84	83.2	66.9	100.3

Manual Integrations
APPROVED

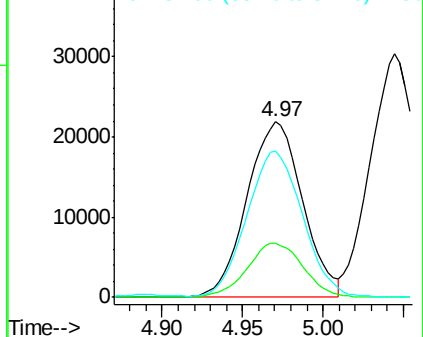


Abundance

Ion 56.00 (55.70 to 56.70): VU034468.D (-1052) (-)

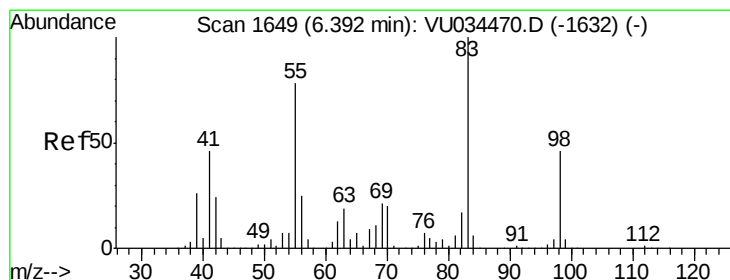
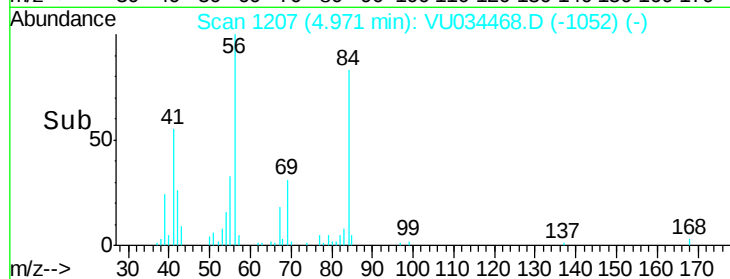
Ion 69.00 (68.70 to 69.70): VU034468.D (-1052) (-)

Ion 84.00 (83.70 to 84.70): VU034468.D (-1052) (-)



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#20
Methylcyclohexane
Concen: 2.020 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

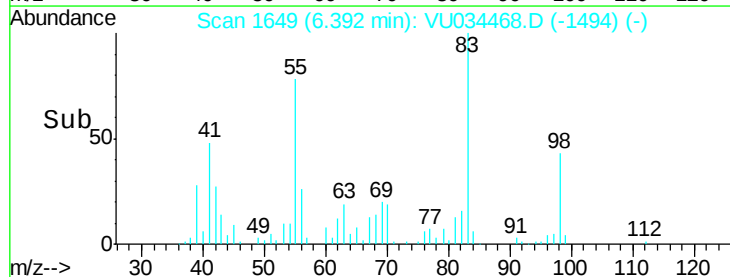
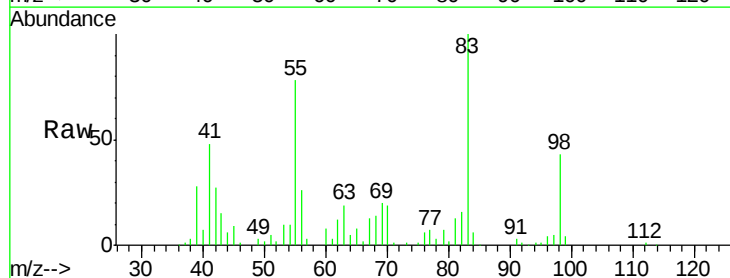
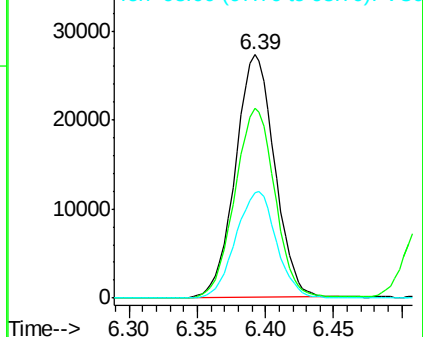
Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.2	61.7	92.5
98	45.6	36.0	54.0

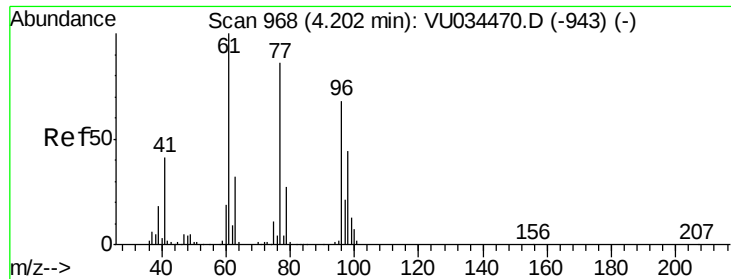
Abundance

Ion 83.00 (82.70 to 83.70): VU034468.D (-1494) (-)

Ion 55.00 (54.70 to 55.70): VU034468.D (-1494) (-)

Ion 98.00 (97.70 to 98.70): VU034468.D (-1494) (-)



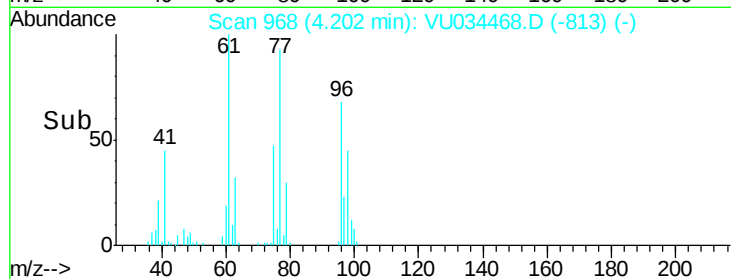
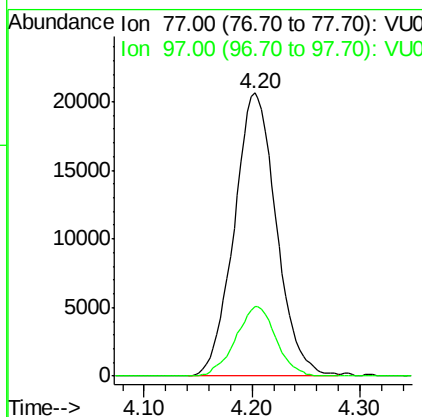
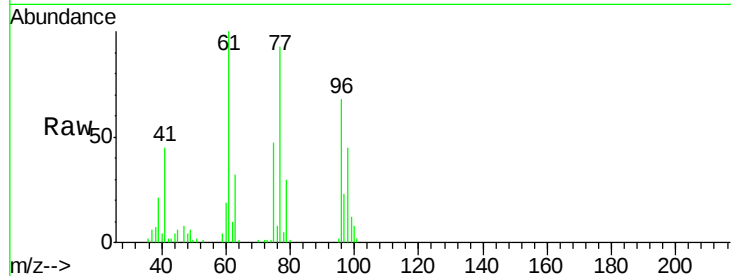


#21
 2,2-Dichloropropane
 Concen: 1.837 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

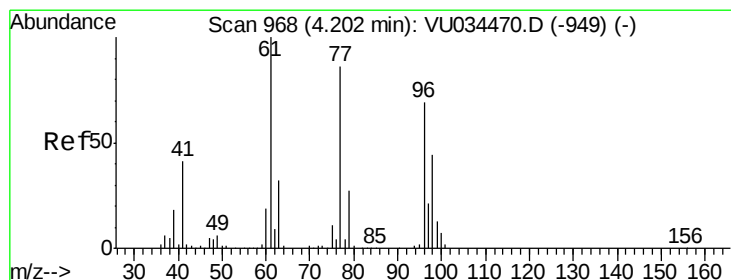
Tot Ion: 77 Resp: 56183
 Ion Ratio Lower Upper
 77 100
 97 23.5 18.9 28.3

Manual Integrations
 APPROVED



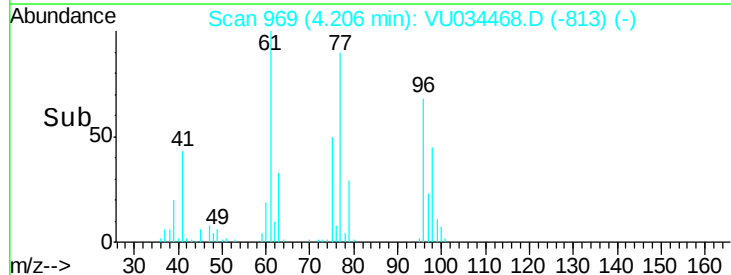
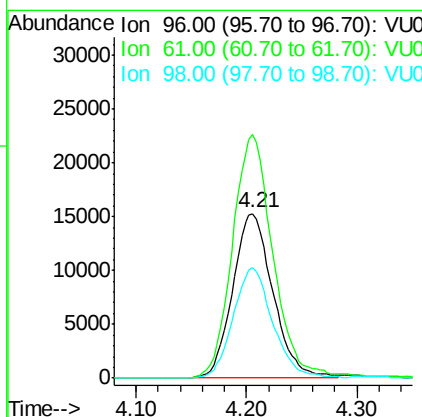
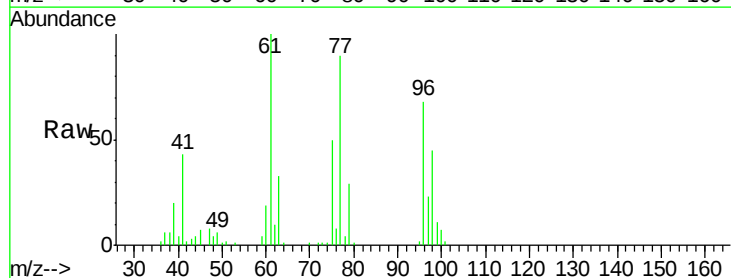
MMDadoda

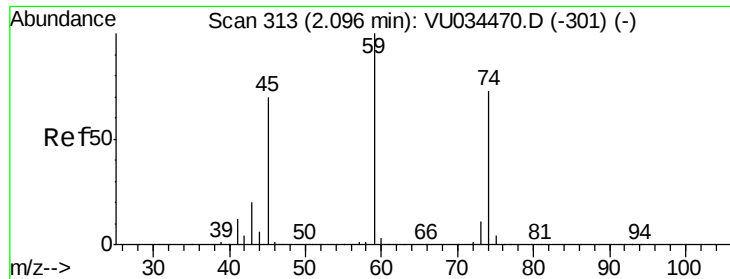
9/12/2019 4:53:22 PM



#22
 cis-1,2-Dichloroethene
 Concen: 1.903 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Tgt Ion: 96 Resp: 38633
 Ion Ratio Lower Upper
 96 100
 61 147.9 0.0 369.5
 98 65.9 32.4 97.2



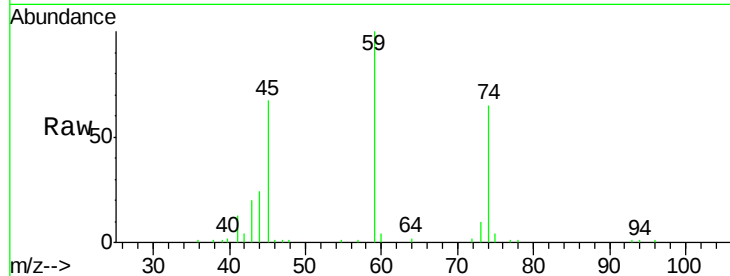


#23
Diethyl Ether
Concen: 1.380 ug/l
RT: 2.10 min Scan# 313
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
45	69.1	56.3	84.5
74	69.6	58.2	87.2

Manual Integrations
APPROVED

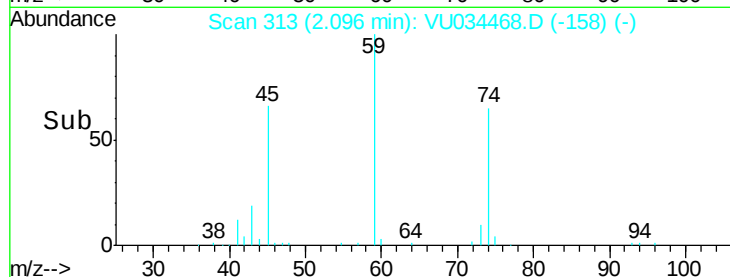
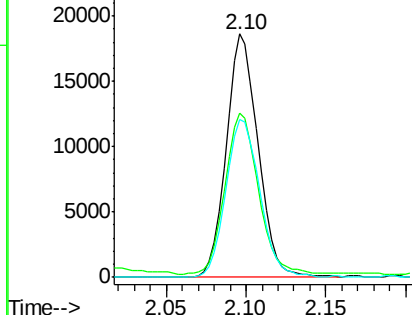


Abundance

Ion 59.00 (58.70 to 59.70): VU034468.D (-158) (-)

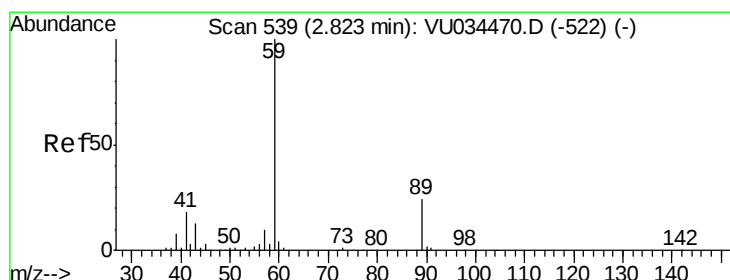
Ion 45.00 (44.70 to 45.70): VU034468.D (-158) (-)

Ion 74.00 (73.70 to 74.70): VU034468.D (-158) (-)



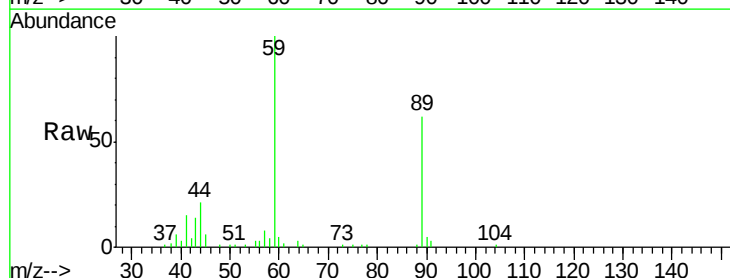
MMDadoda

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#24
tert-Butyl Alcohol
Concen: 12.390 ug/l
RT: 2.82 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

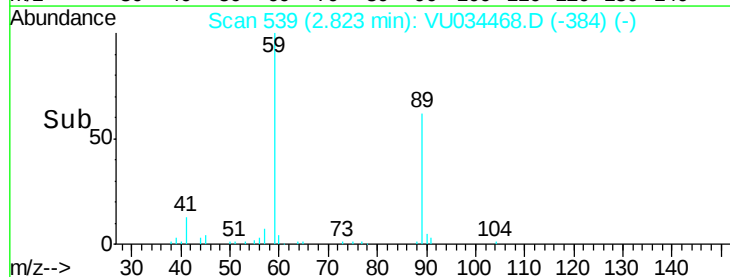
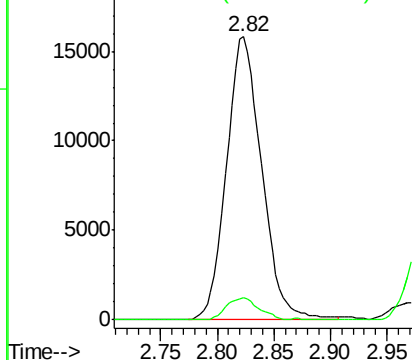
Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.1	7.3	10.9#

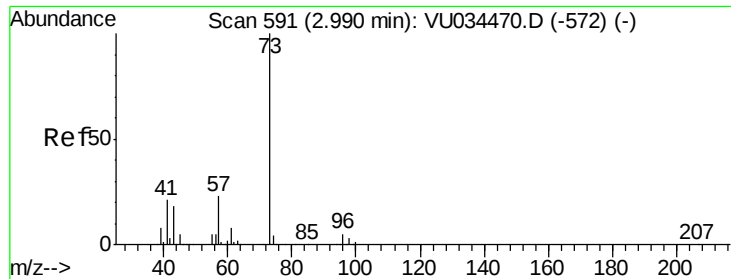


Abundance

Ion 59.00 (58.70 to 59.70): VU034468.D (-384) (-)

Ion 57.00 (56.70 to 57.70): VU034468.D (-384) (-)





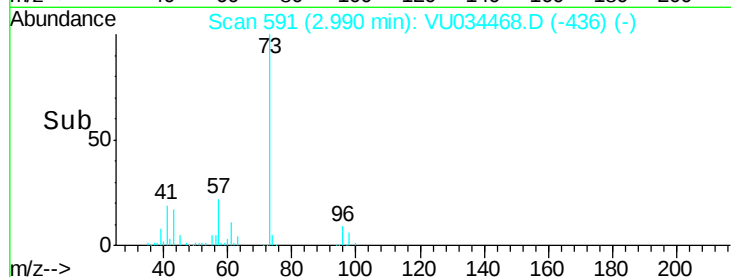
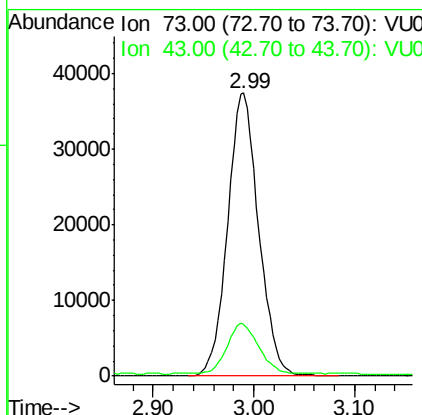
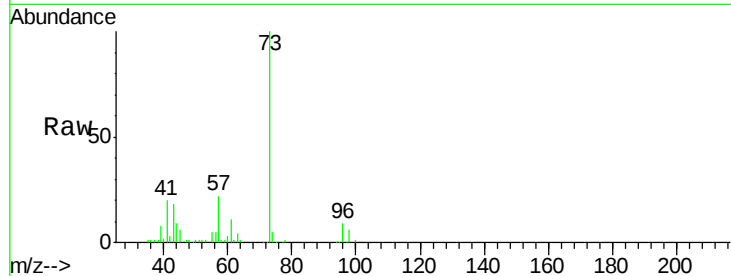
#25

Methyl tert-Butyl Ether
 Concen: 1.318 ug/l
 RT: 2.99 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

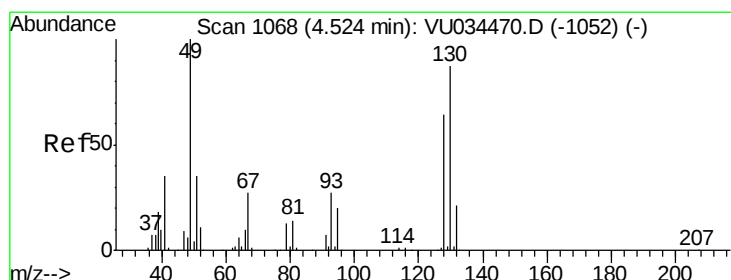
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.0	14.4	21.6

Manual Integrations
 APPROVED



MMDadoda

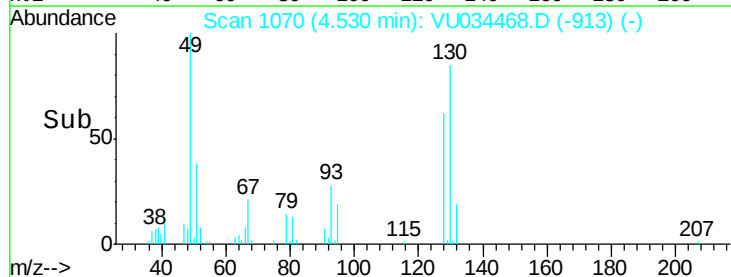
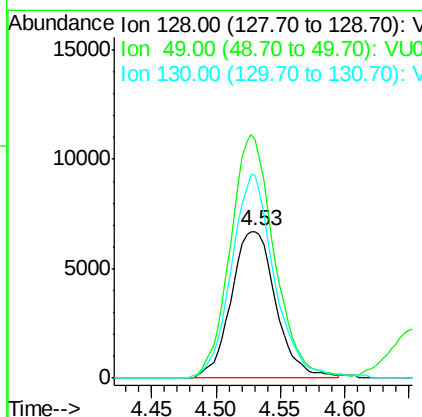
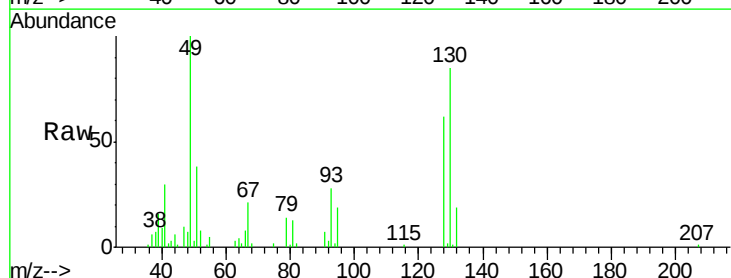
9/12/2019 4:53:22 PM

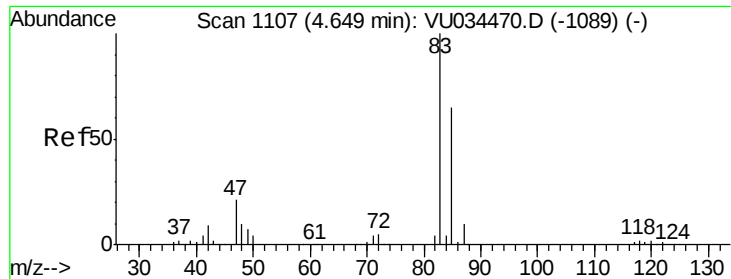


#26

Bromochloromethane
 Concen: 1.824 ug/l
 RT: 4.53 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
128	100		
49	163.1	0.0	309.8
130	134.2	105.0	157.6



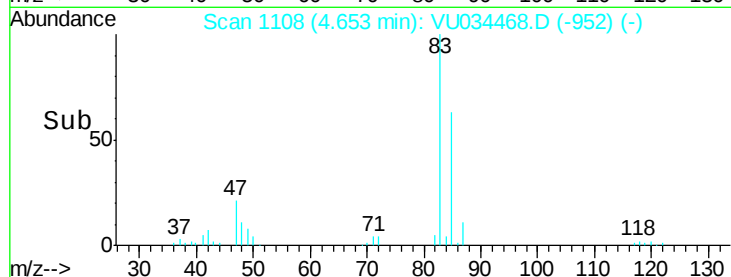
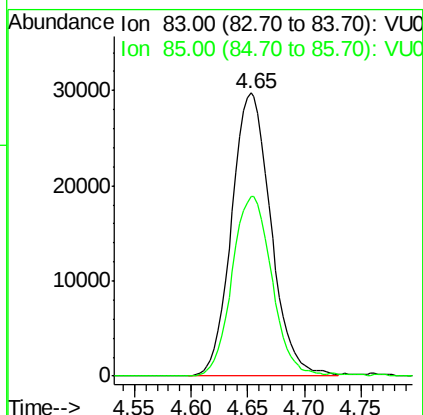
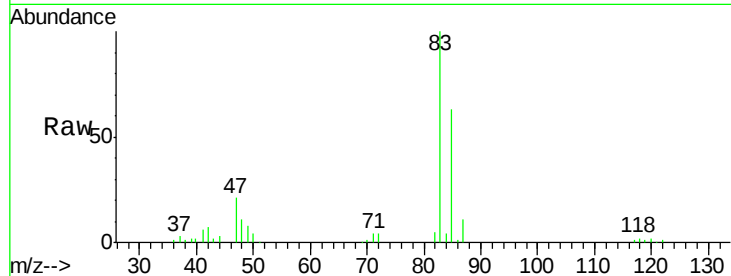


#27
Chloroform
Concen: 1.776 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

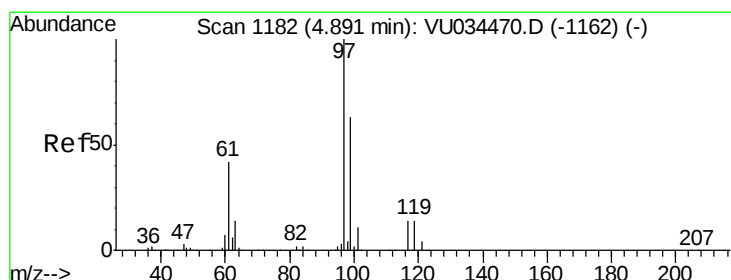
Tot Ion	83	Resp	71968
Ion Ratio	100	Lower	Upper
85	63.4	0.0	130.2

Manual Integrations
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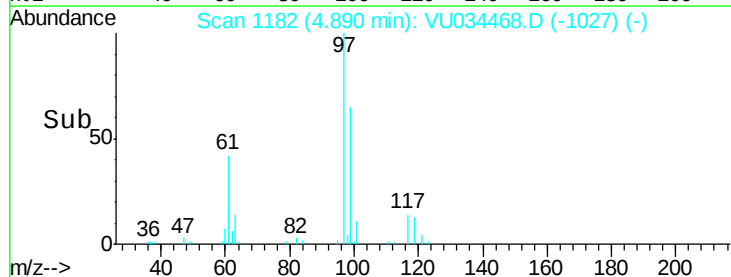
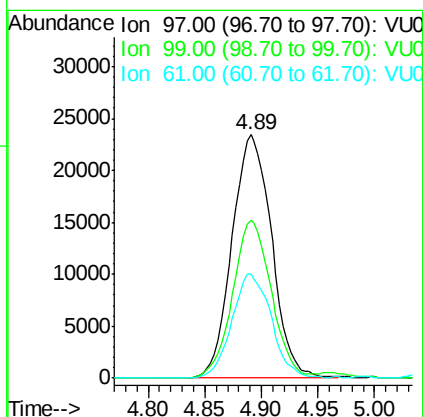
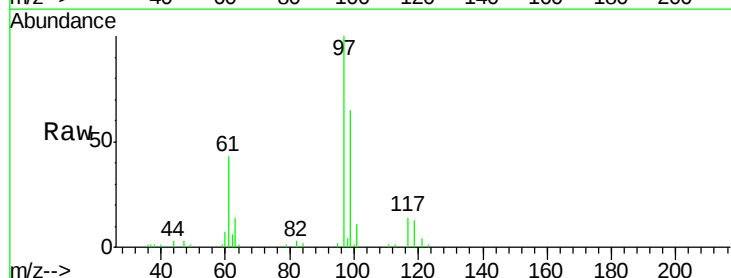
MMDadoda

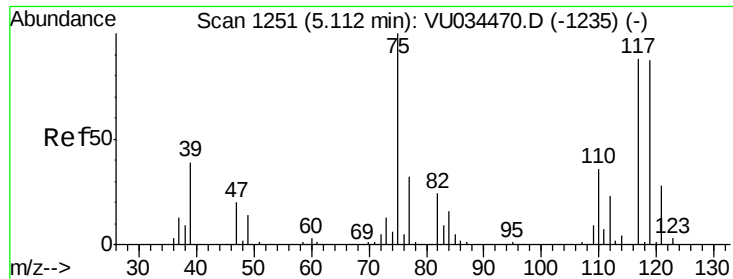
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#28
1,1,1-Trichloroethane
Concen: 1.825 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion	97	Resp	57171
Ion Ratio	100	Lower	Upper
99	63.2	32.0	96.2
61	42.5	21.4	64.3



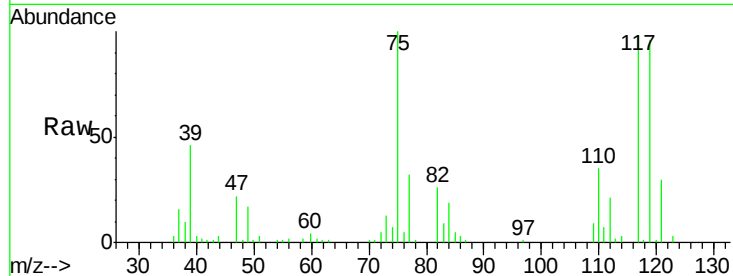


#29
 1,1-Dichloropropene
 Concen: 1.845 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

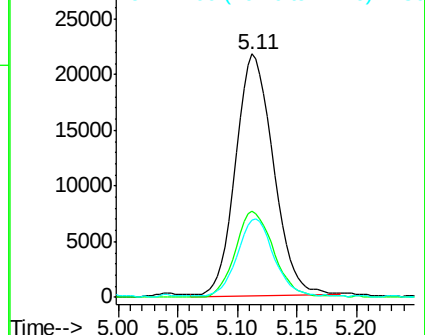
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.4	55.2
77	30.4	25.0	37.6

Manual Integrations
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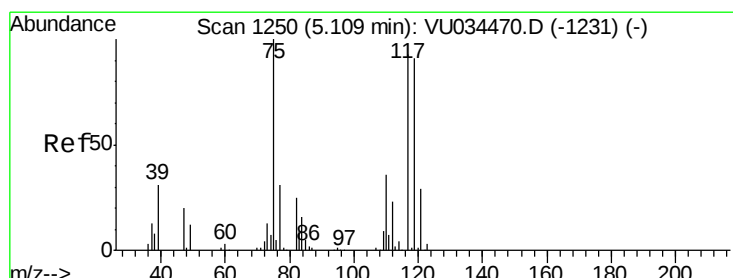
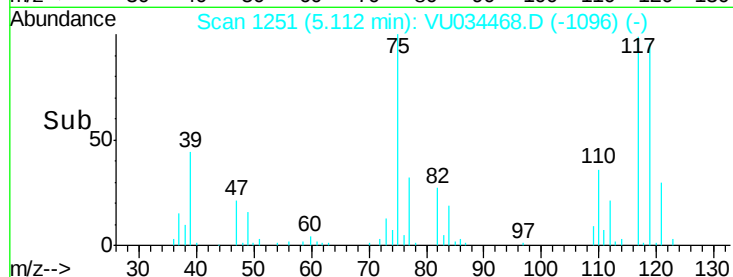


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VU0



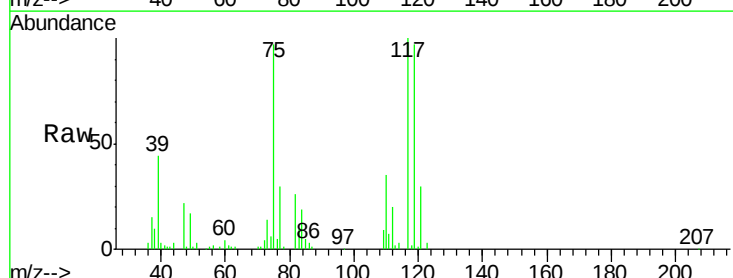
MMDadoda

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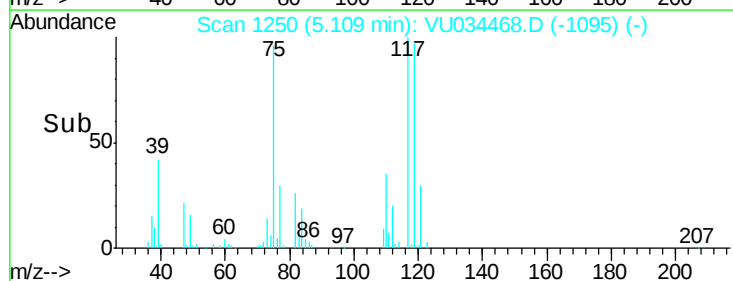
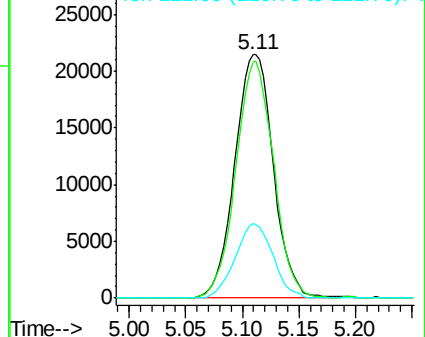


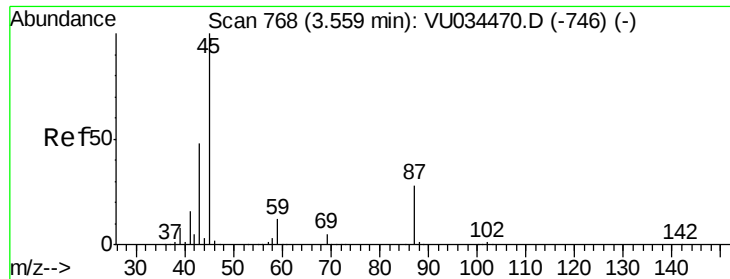
#30
 Carbon Tetrachloride
 Concen: 1.840 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.5	117.7
121	30.5	25.3	37.9



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V





#31

Isopropyl Ether

Concen: 2.078 ug/l

RT: 3.56 min Scan# 768

Delta R.T. -0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

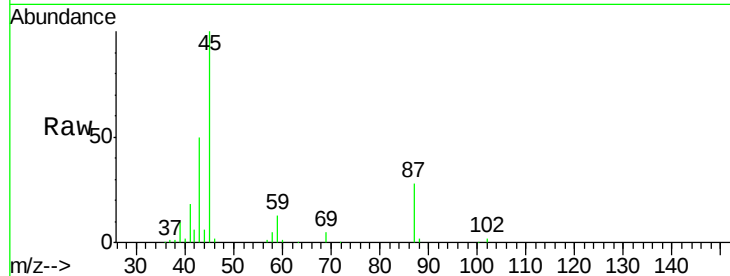
Tot Ion: 45 Resp: 96610

Ion Ratio Lower Upper

45 100

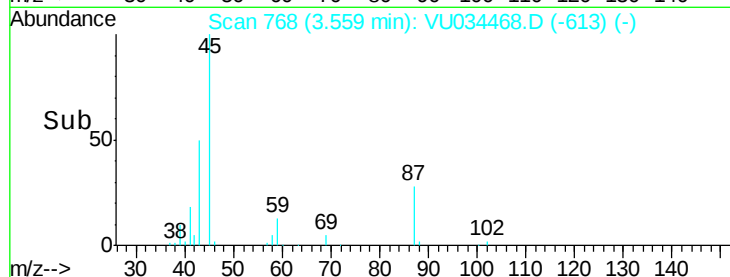
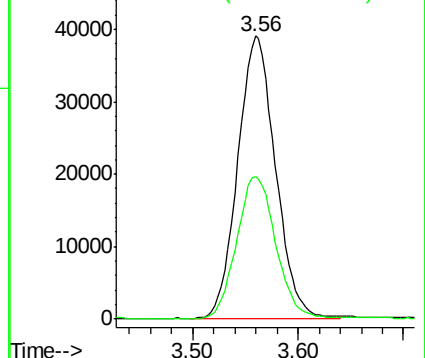
43 52.9 24.8 74.3

Manual Integrations
APPROVED



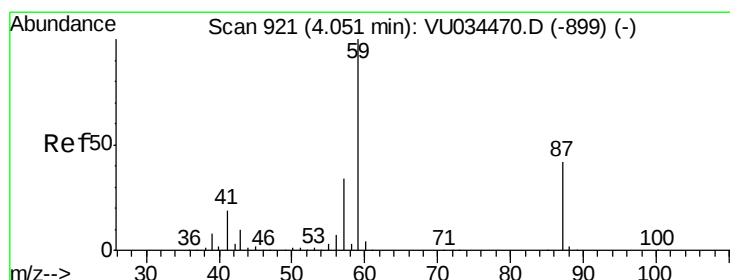
Abundance Ion 45.00 (44.70 to 45.70): VU034468.D (-613) (-)

Ion 43.00 (42.70 to 43.70): VU034468.D (-613) (-)



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#32

Ethyl-t-butyl ether

Concen: 1.892 ug/l

RT: 4.05 min Scan# 922

Delta R.T. 0.00 min

Lab File: VU034468.D

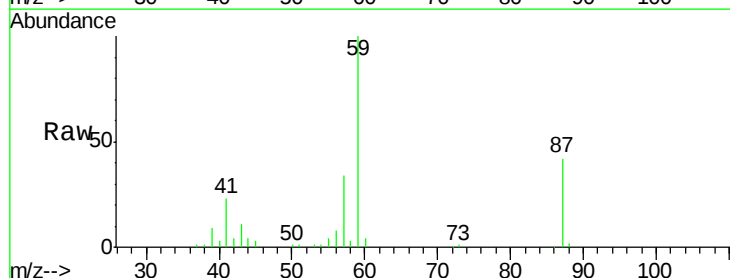
Acq: 11 Sep 2019 10:40

Tgt Ion: 59 Resp: 82694

Ion Ratio Lower Upper

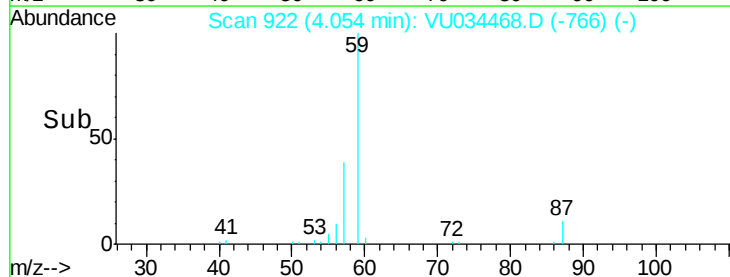
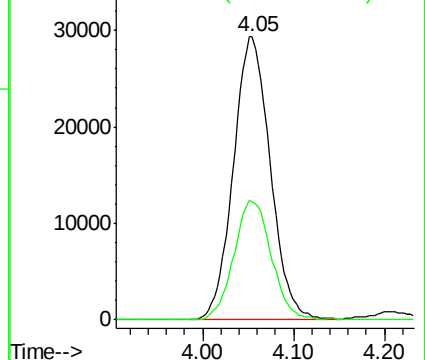
59 100

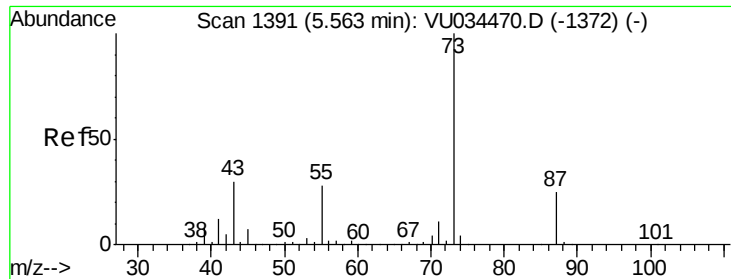
87 42.7 33.6 50.4



Abundance Ion 59.00 (58.70 to 59.70): VU034468.D (-766) (-)

Ion 87.00 (86.70 to 87.70): VU034468.D (-766) (-)



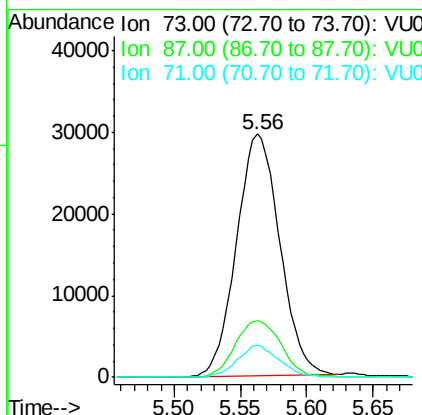
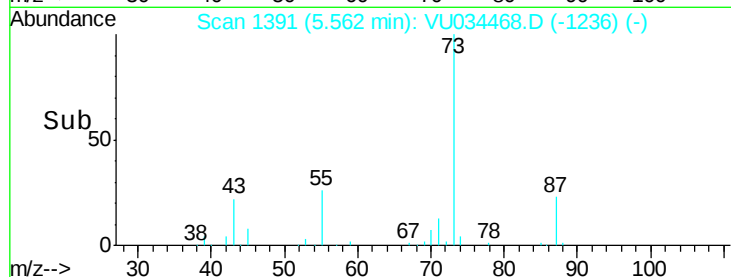
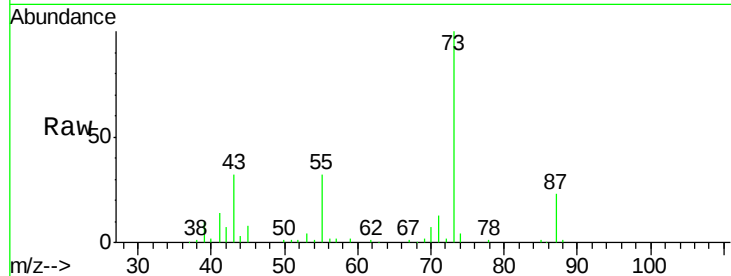


#33
Tert-Amvl methvl ether
Concen: 1.743 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

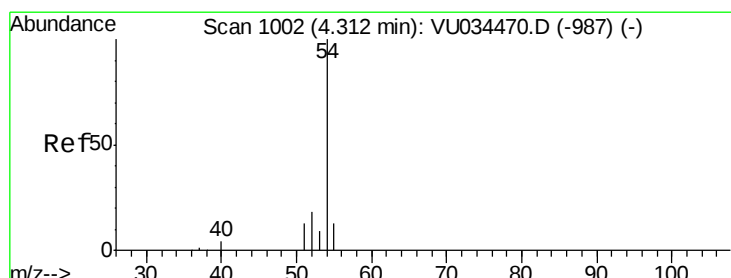
Tot Ion	Ratio	Lower	Upper
73	100		
87	25.0	19.4	29.0
71	12.8	9.3	13.9

Manual Integrations
APPROVED



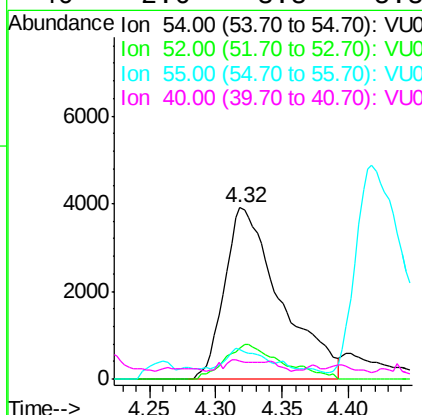
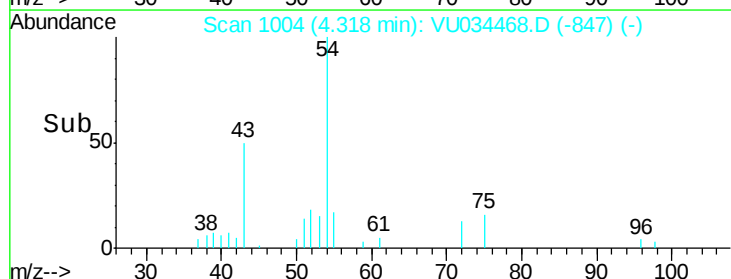
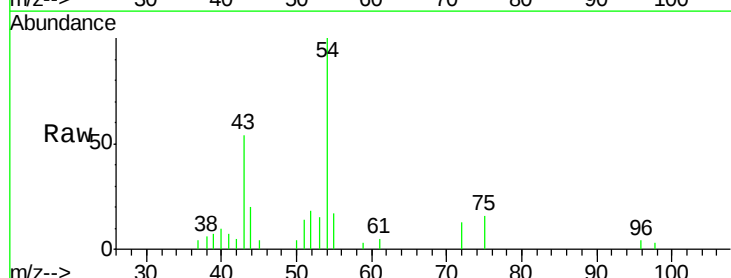
MMDadoda

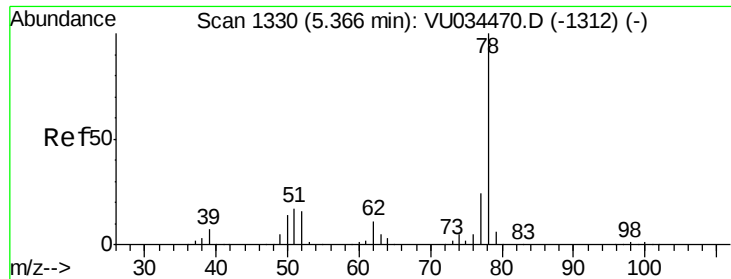
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#34
Propionitrile
Concen: 8.108 ug/l
RT: 4.32 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.6	14.1	21.1
55	6.4	13.3	19.9#
40	2.6	3.8	5.8#





#35

Benzene

Concen: 1.918 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 78 Resp: 144990

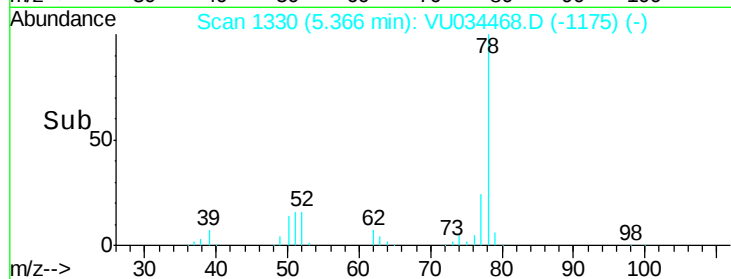
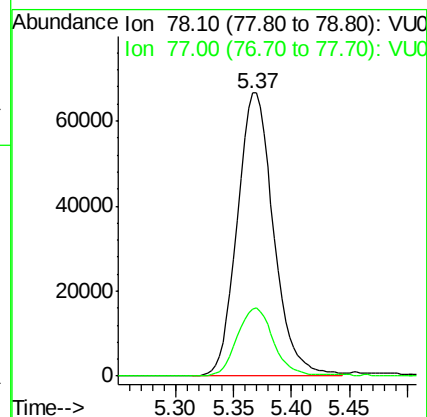
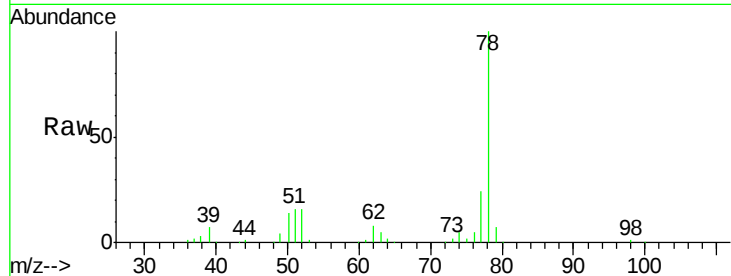
Ion Ratio Lower Upper

78 100

77 23.8 19.3 28.9

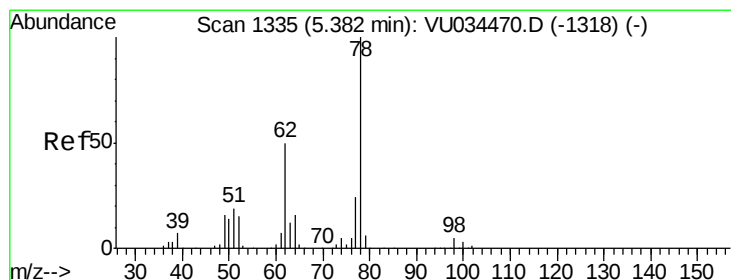
Manual Integrations

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#36

1,2-Dichloroethane

Concen: 1.557 ug/l

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VU034468.D

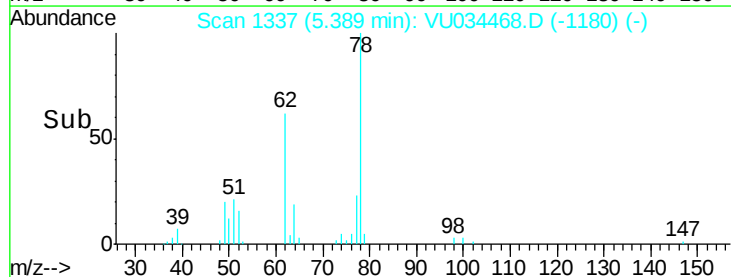
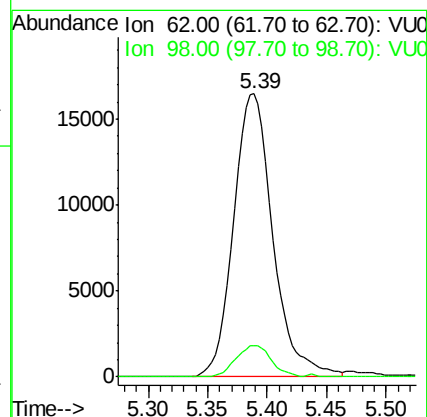
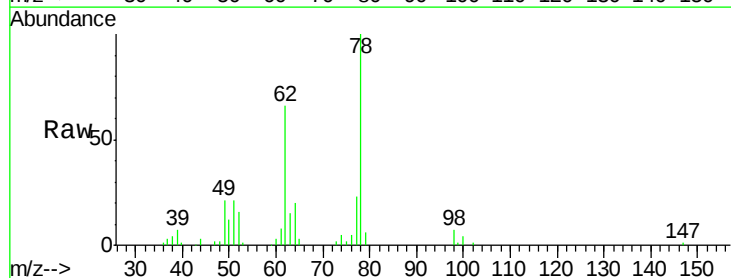
Acq: 11 Sep 2019 10:40

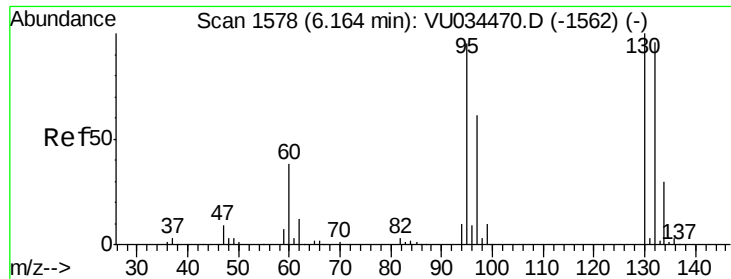
Tgt Ion: 62 Resp: 37763

Ion Ratio Lower Upper

62 100

98 10.0 8.0 12.0





#37

Trichloroethene

Concen: 1.987 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

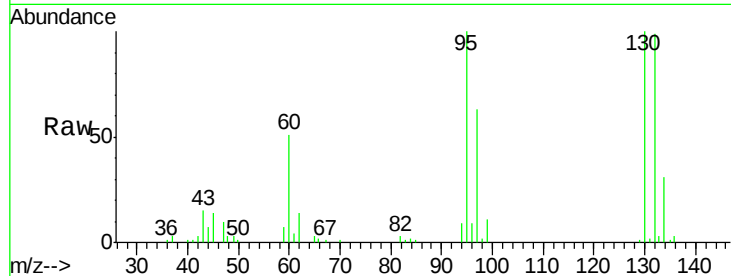
Tot Ion:130 Resp: 40079

Ion Ratio Lower Upper

130 100

95 100.0 76.3 114.5

Manual Integrations
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Abundance Ion 129.90 (129.60 to 130.60): VU034468.D (-1423) (-)

Ion 94.90 (94.60 to 95.60): VU034468.D (-1423) (-)

6.16

20000

15000

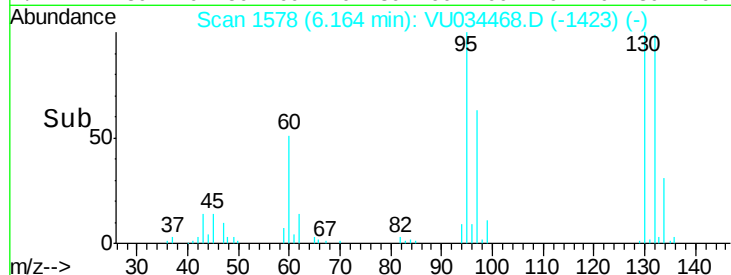
10000

5000

0

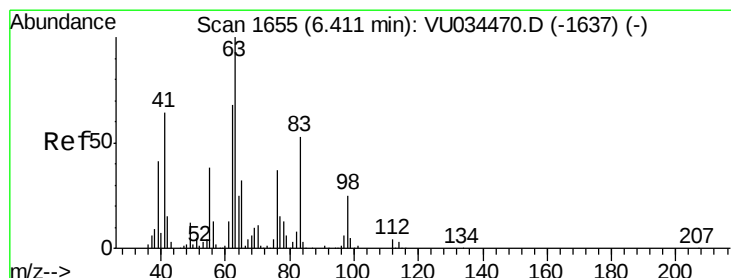
6.10 6.15 6.20 6.25

Time-->



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#38

1,2-Dichloropropane

Concen: 1.883 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU034468.D

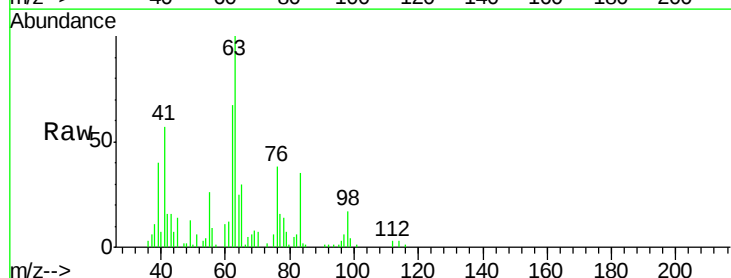
Acq: 11 Sep 2019 10:40

Tgt Ion: 63 Resp: 39004

Ion Ratio Lower Upper

63 100

65 30.3 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU034468.D (-1500) (-)

Ion 65.00 (64.70 to 65.70): VU034468.D (-1500) (-)

6.41

20000

15000

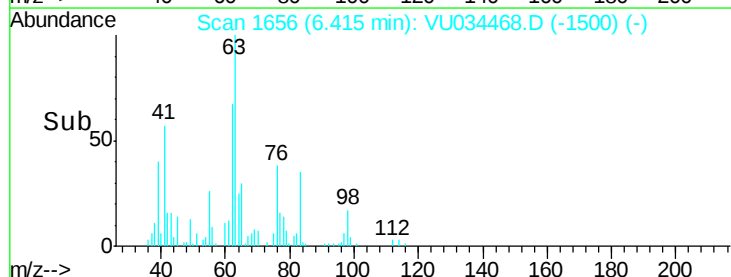
10000

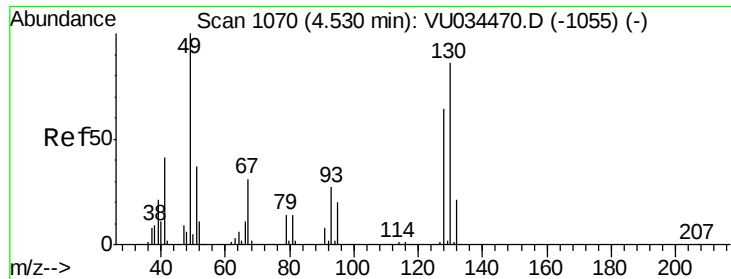
5000

0

6.35 6.40 6.45 6.50

Time-->



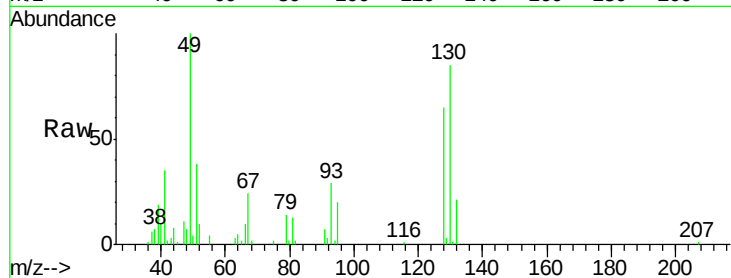


#39
Methacrylonitrile
Concen: 1.709 ug/l
RT: 4.53 min Scan# 1071
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

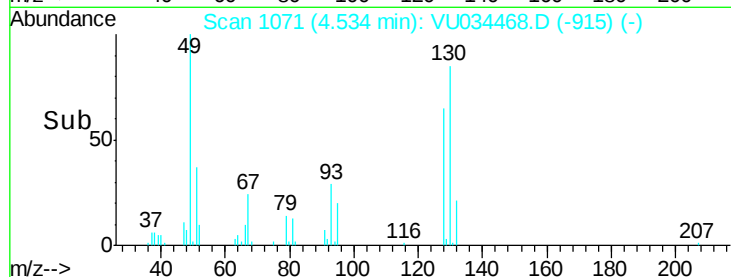
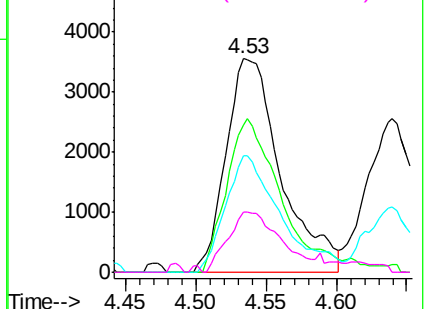
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	41	Resp:	9680
Ion	Ratio	Lower	Upper
41	100		
67	70.1	62.6	94.0
39	55.0	41.6	62.4
52	27.3	25.3	37.9

Manual Integrations
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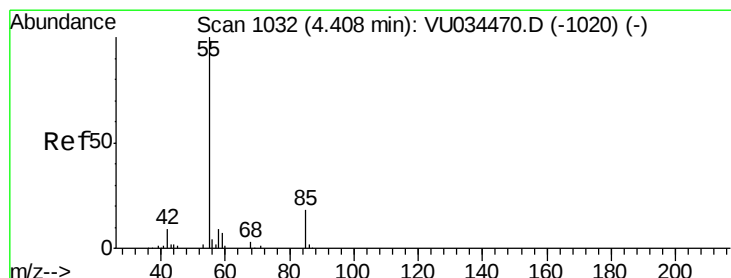


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0



MMDadoda

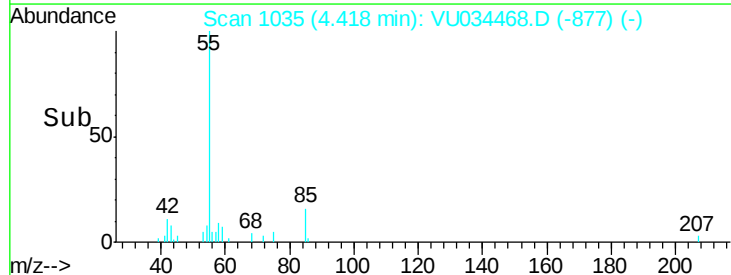
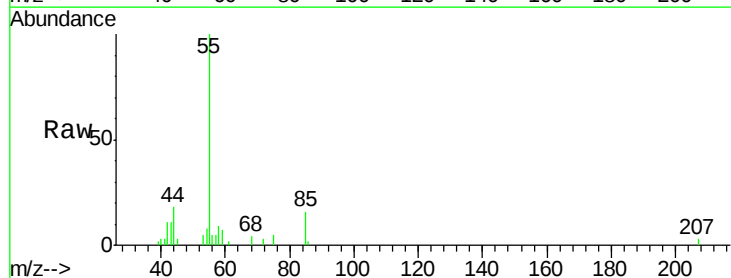
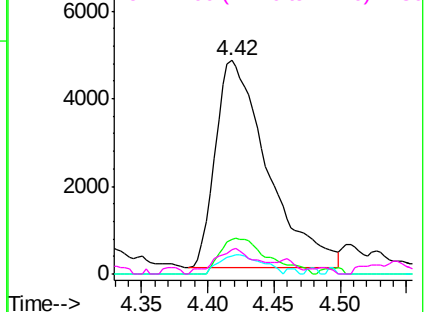
9/12/2019 4:53:22 PM

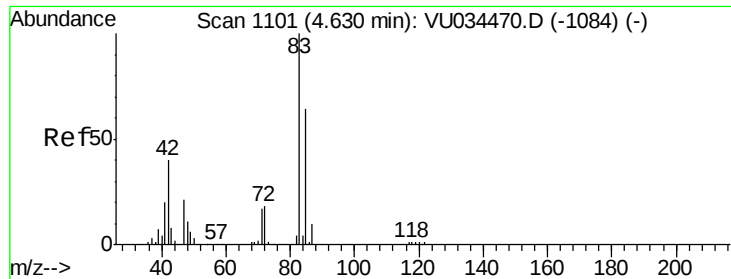


#40
Methyl acrylate
Concen: 1.473 ug/l
RT: 4.42 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion	55	Resp:	12955
Ion	Ratio	Lower	Upper
55	100		
85	15.7	13.8	20.6
58	7.5	7.0	10.6
42	9.8	6.9	10.3

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



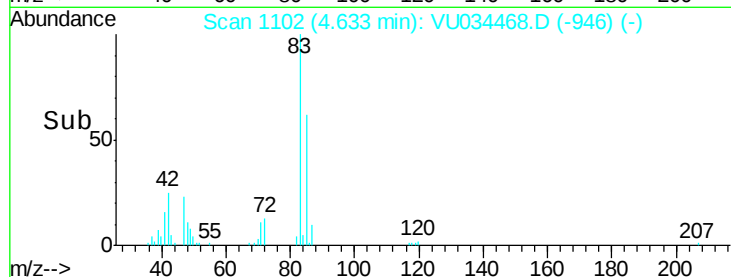
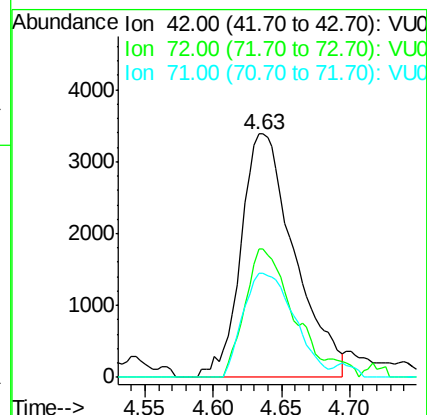
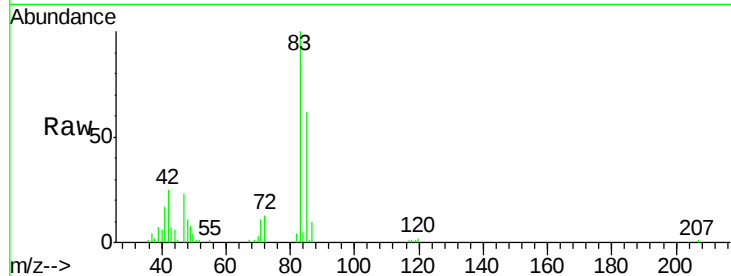


#41
Tetrahydrofuran
Concen: 3.261 ug/l
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

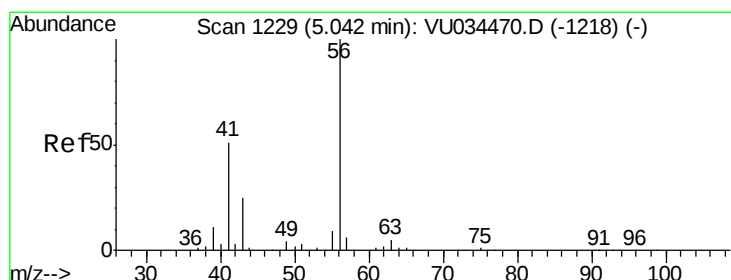
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	39.6	59.4
71	40.8	33.6	50.4

Manual Integrations
APPROVED



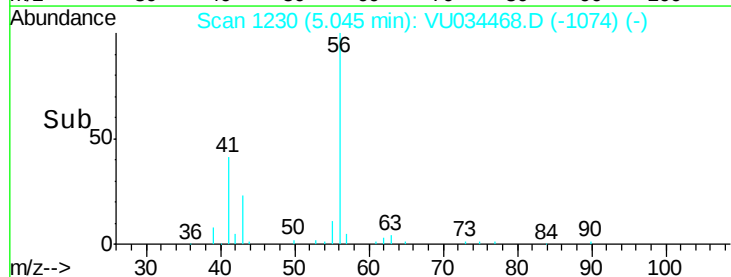
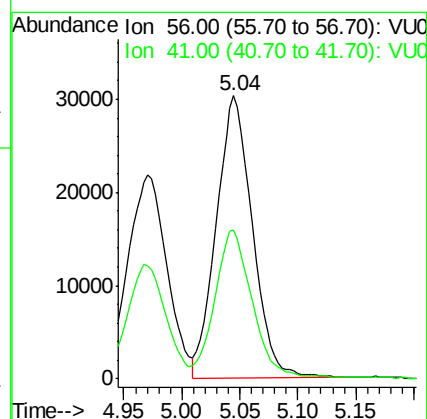
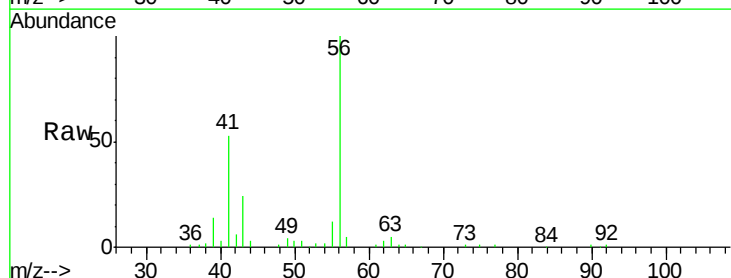
MMDadoda

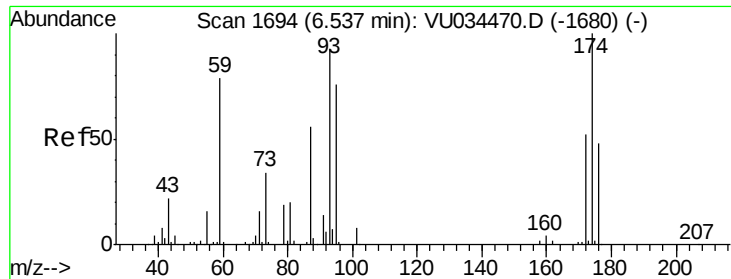
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#42
1-Chlorobutane
Concen: 1.868 ug/l
RT: 5.04 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
56	100		
41	54.5	25.5	76.5



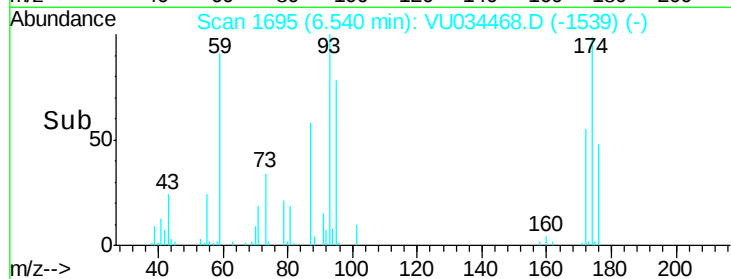
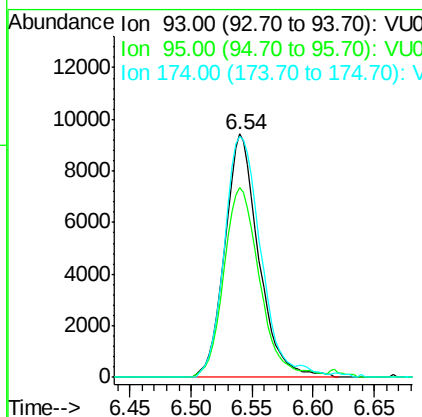
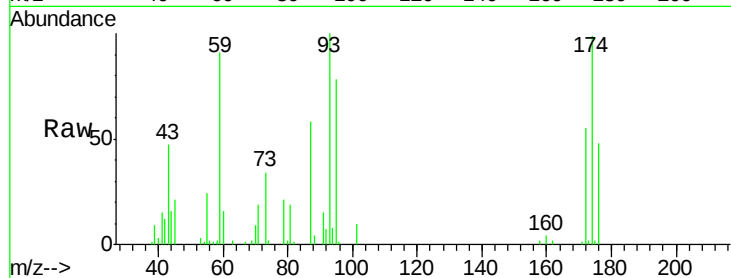


#43
Dibromomethane
Concen: 1.643 ug/l
RT: 6.54 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

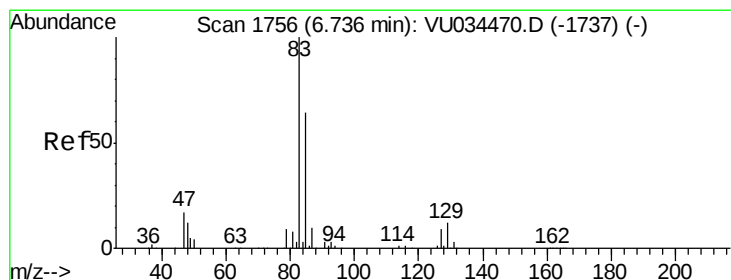
Tot Ion	Ratio	Lower	Upper
93	100		
95	81.4	67.1	100.7
174	106.7	88.7	133.1

Manual Integrations
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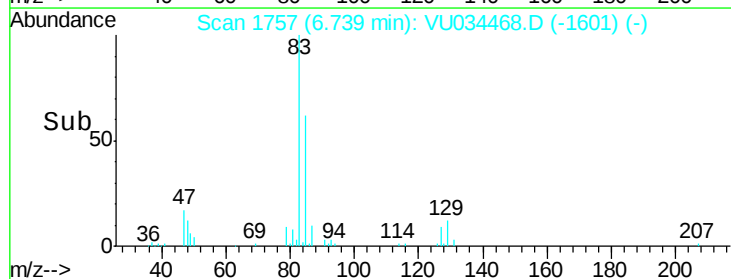
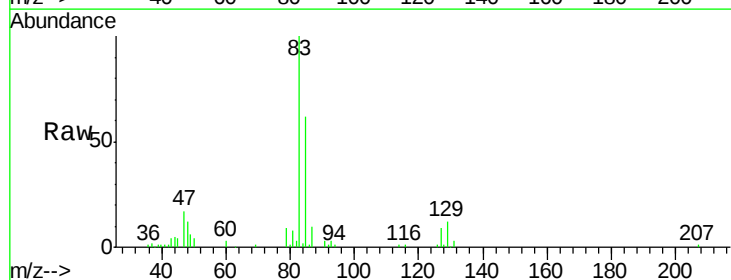
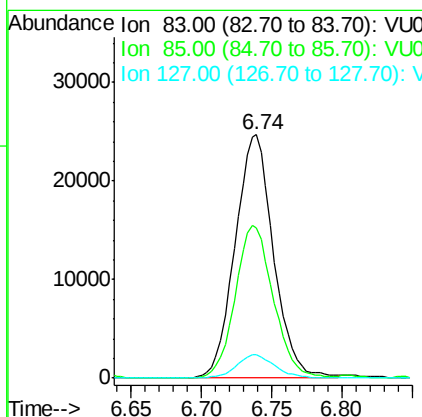
MMDadoda

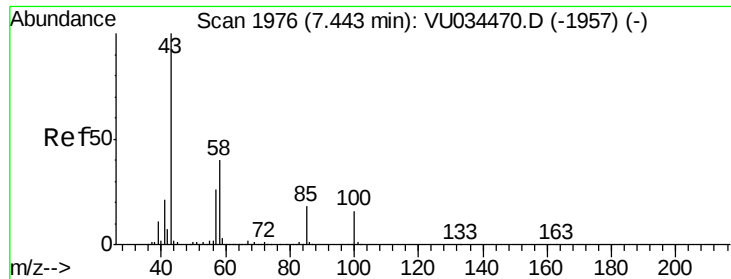
9/12/2019 4:53:22 PM



#44
Bromodichloromethane
Concen: 1.725 ug/l
RT: 6.74 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.1	76.7
127	9.4	7.1	10.7



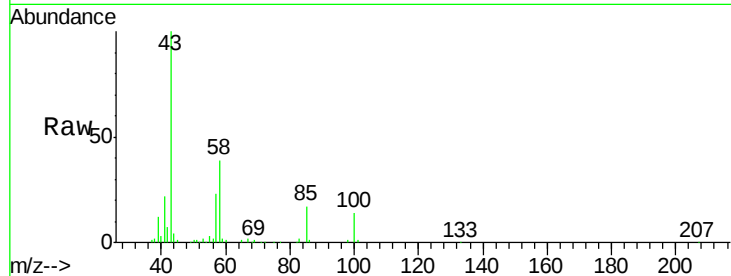


#45
4-Methyl-2-Pentanone
Concen: 8.027 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	43	Resp:	90838
Ion	Ratio	Lower	Upper
43	100		
58	38.7	20.2	60.6
85	16.7	14.6	21.8

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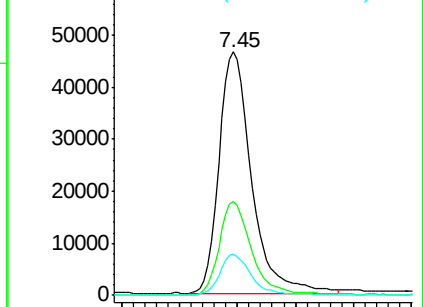


Abundance

Ion 43.00 (42.70 to 43.70): VU034468.D (-1821) (-)

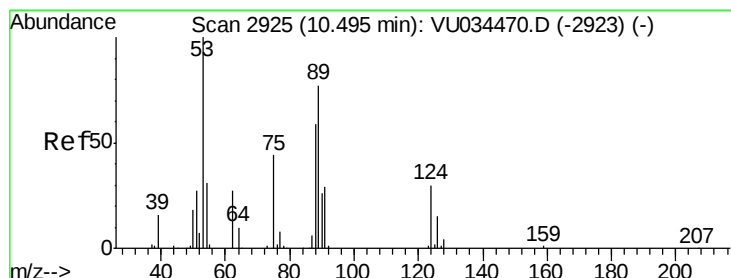
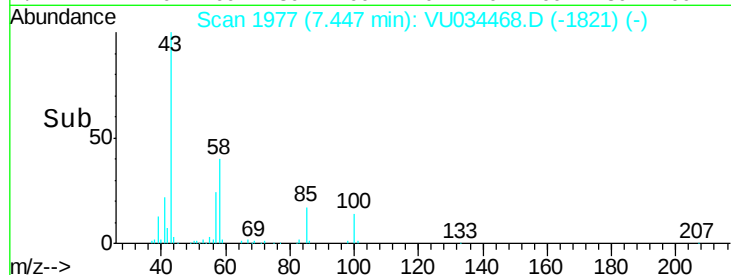
Ion 58.00 (57.70 to 58.70): VU034468.D (-1821) (-)

Ion 85.00 (84.70 to 85.70): VU034468.D (-1821) (-)



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#46
t-1,4-Dichloro-2-butene
Concen: 3.016 ug/l m
RT: 10.50 min Scan# 2926
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion:	75	Resp:	13518
Ion	Ratio	Lower	Upper
75	100		
53	82.9	63.3	94.9
89	54.4	46.2	69.2
88	41.7	35.0	52.6

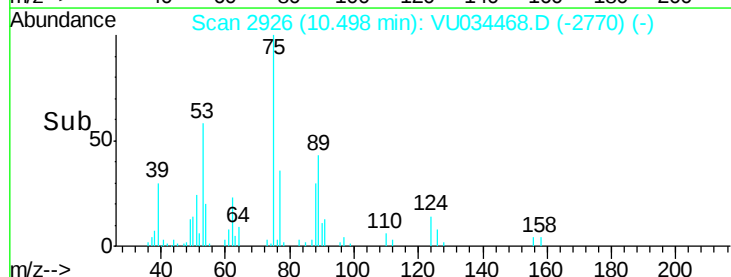
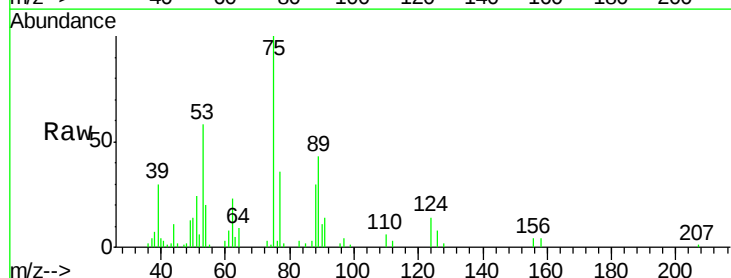
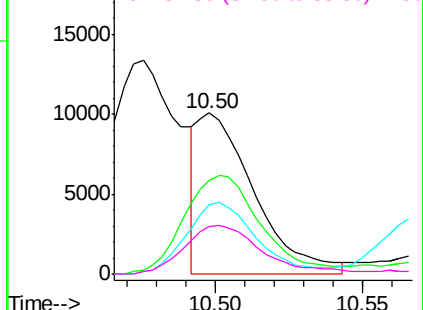
Abundance

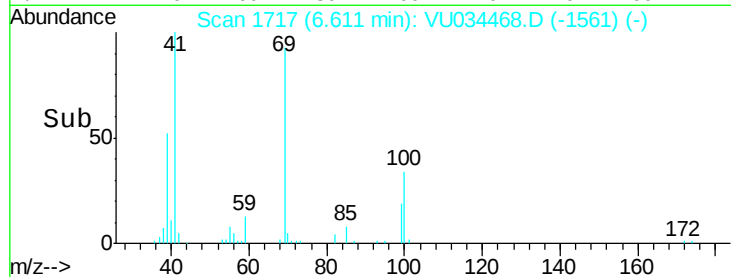
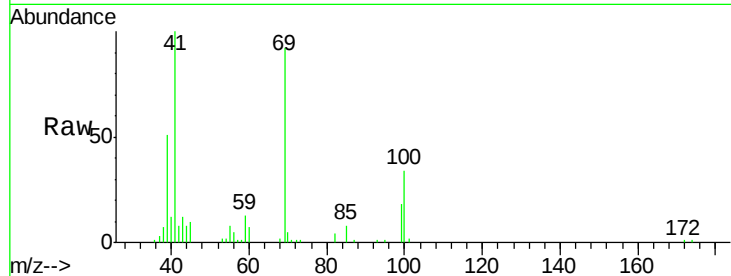
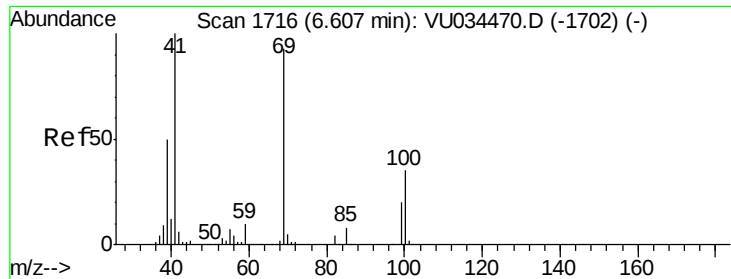
Ion 74.90 (74.60 to 75.60): VU034468.D (-2770) (-)

Ion 53.00 (52.70 to 53.70): VU034468.D (-2770) (-)

Ion 88.80 (88.50 to 89.50): VU034468.D (-2770) (-)

Ion 87.80 (87.50 to 88.50): VU034468.D (-2770) (-)



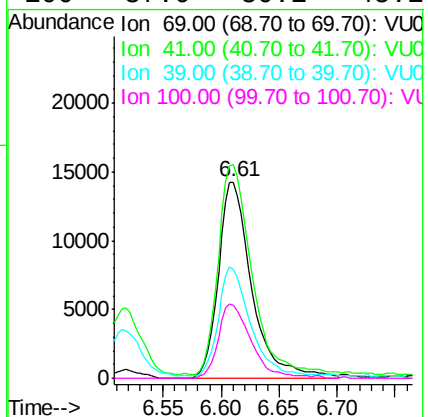


#47
Methyl methacrylate
Concen: 3.356 ug/l
RT: 6.61 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		28594		
41	108.2	0.0	212.8		
39	53.8	43.0	64.4		
100	37.0	30.1	45.1		

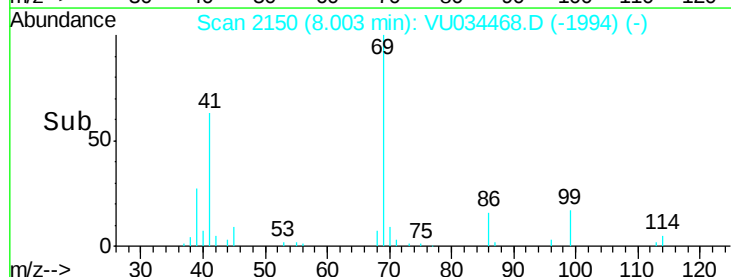
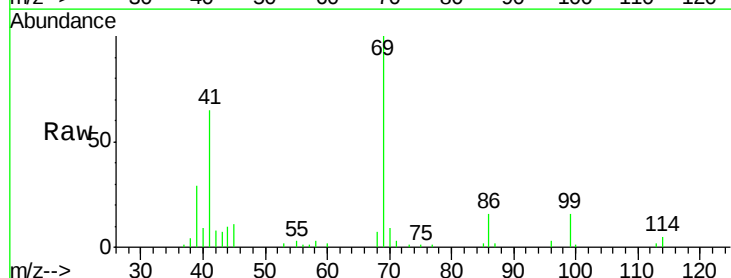
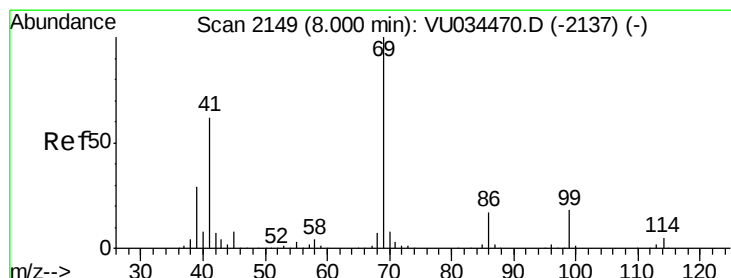
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Manual Integrations
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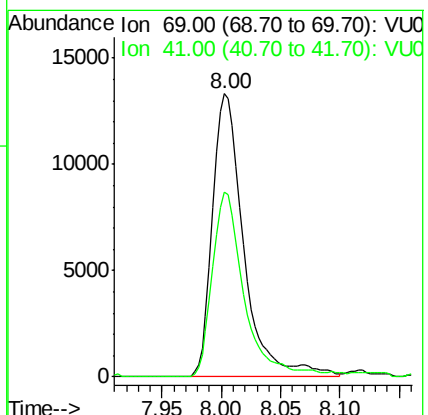
MMDadoda

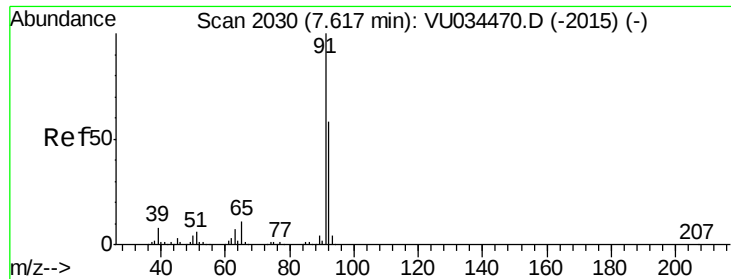
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#48
Ethyl methacrylate
Concen: 1.629 ug/l m
RT: 8.00 min Scan# 2150
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		24603		
41	64.4	30.6	91.8		





#49

Toluene

Concen: 1.935 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

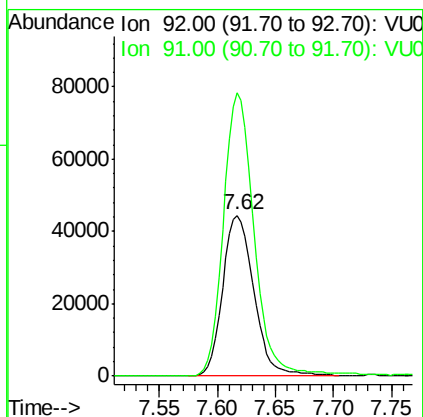
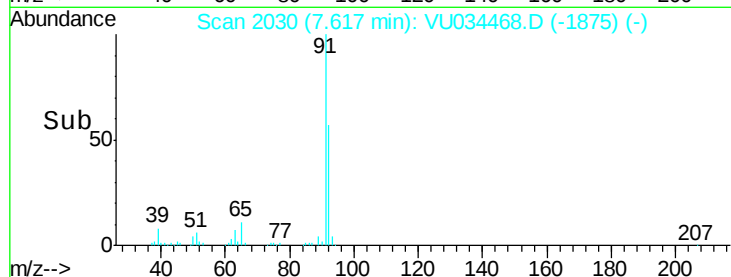
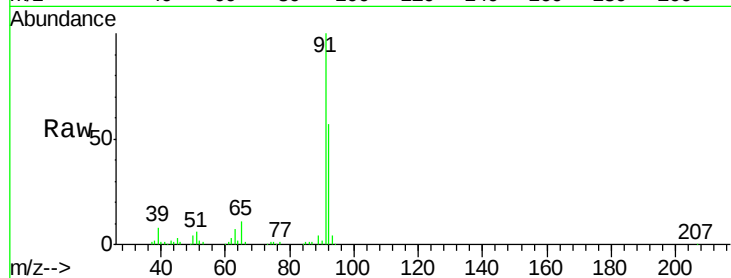
Tot Ion: 92 Resp: 83786

Ion Ratio Lower Upper

92 100

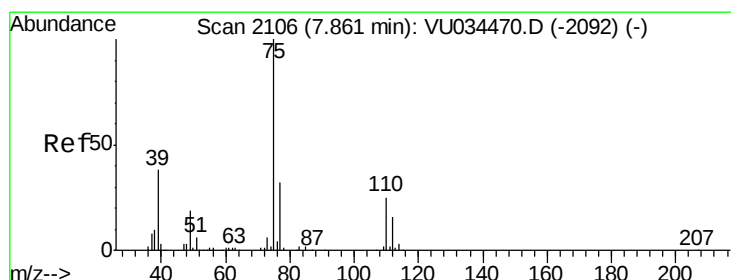
91 171.8 138.6 208.0

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#50

t-1,3-Dichloropropene

Concen: 1.562 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU034468.D

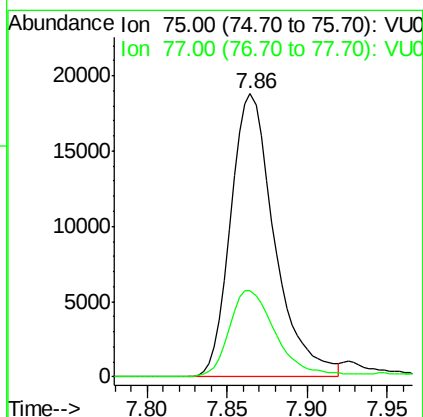
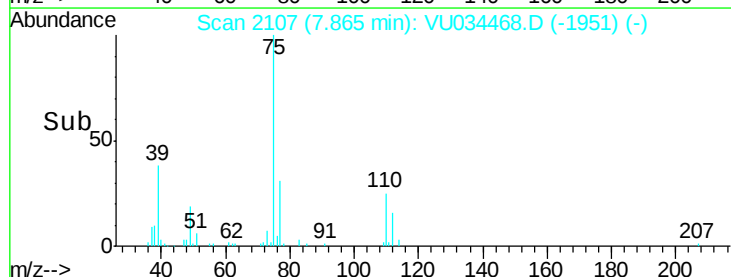
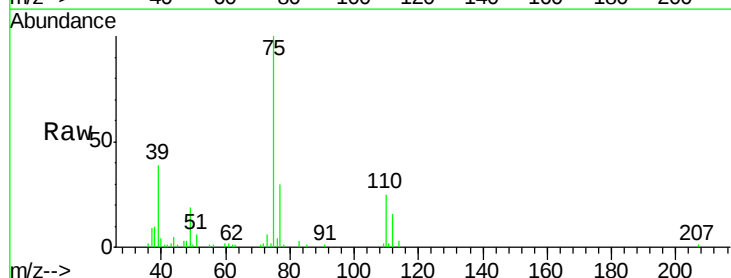
Acq: 11 Sep 2019 10:40

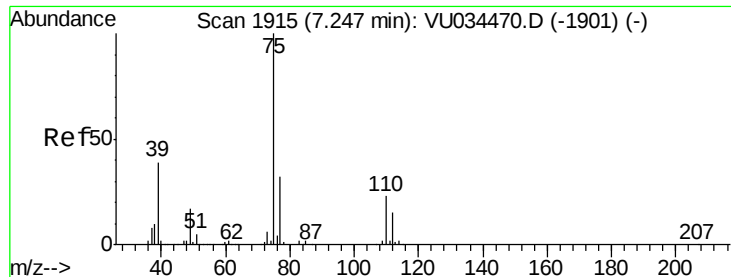
Tgt Ion: 75 Resp: 35289

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0



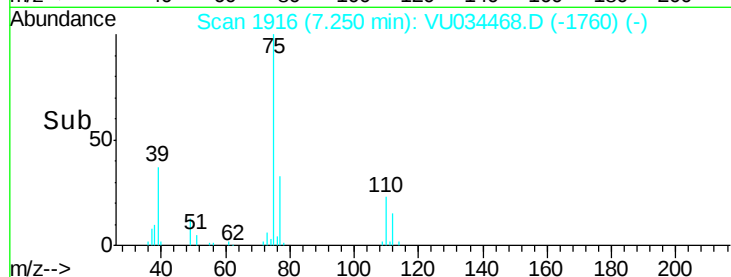
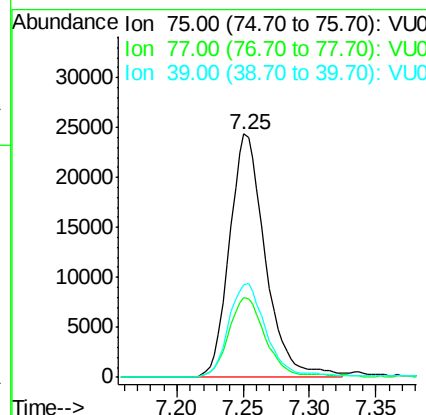
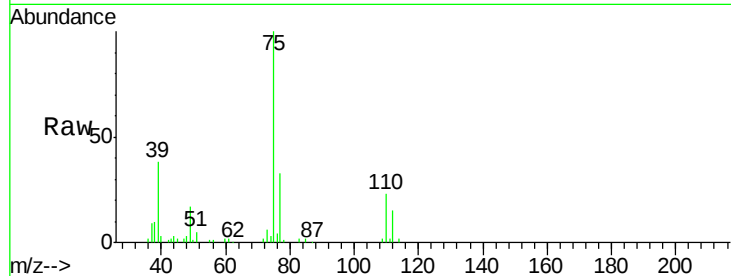


#51
 cis-1,3-Dichloropropene
 Concen: 1.693 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

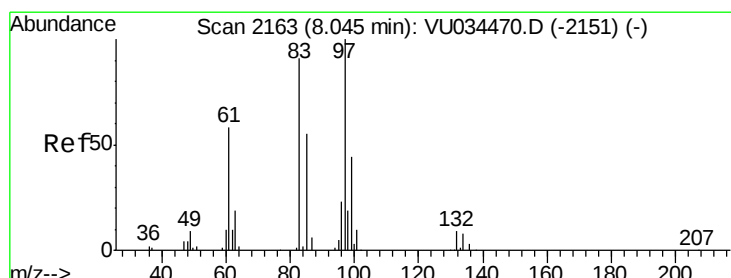
Tot Ion:	75	Resp:	45895
Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.3	37.9
39	38.2	31.0	46.4

Manual Integrations
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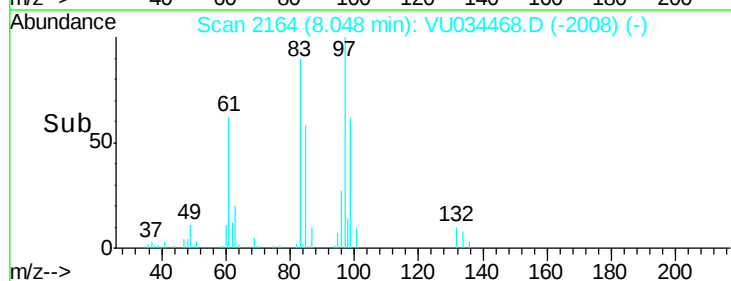
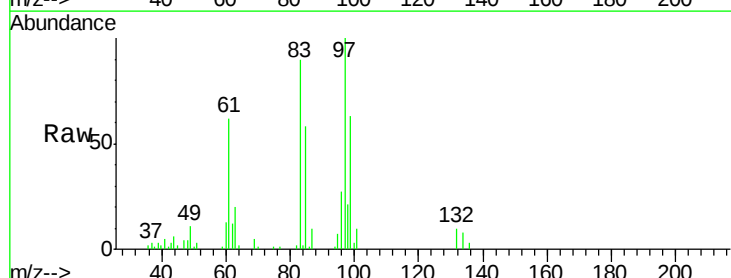
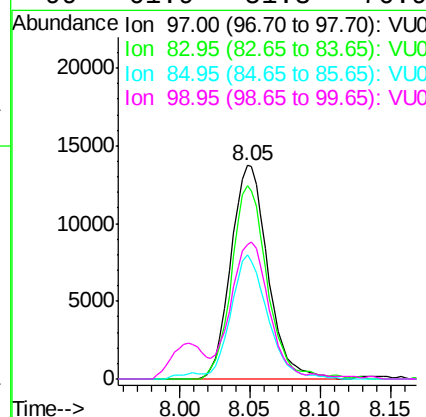
MMDadoda

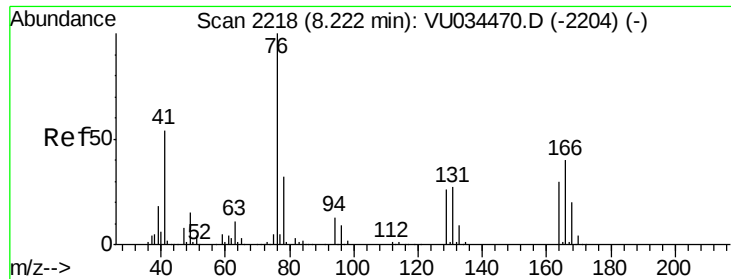
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#52
 1,1,2-Trichloroethane
 Concen: 1.684 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Tgt Ion:	97	Resp:	25183
Ion	Ratio	Lower	Upper
97	100		
83	90.4	72.5	108.7
85	58.2	45.4	68.0
99	61.9	51.3	76.9



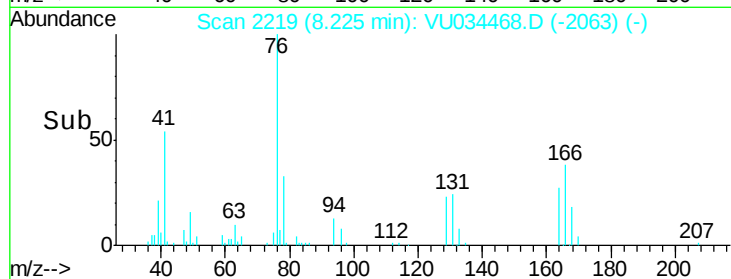
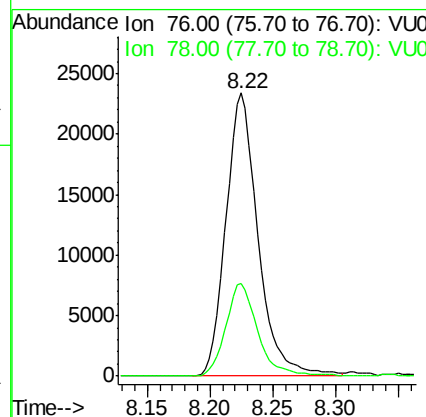
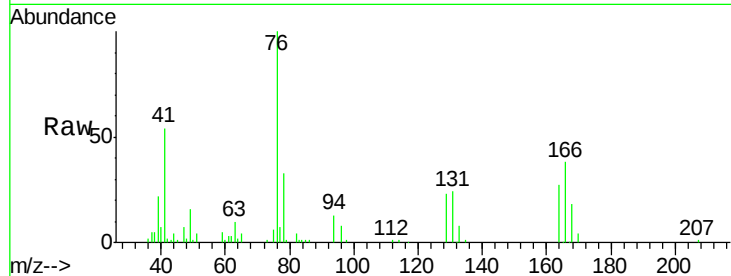


#53
 1,3-Dichloropropane
 Concen: 1.639 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

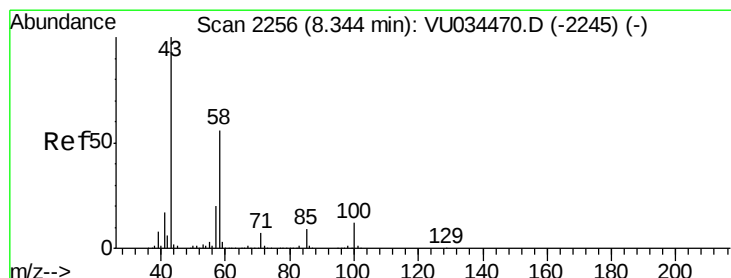
Tot Ion: 76 Resp: 41510
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1

Manual Integrations
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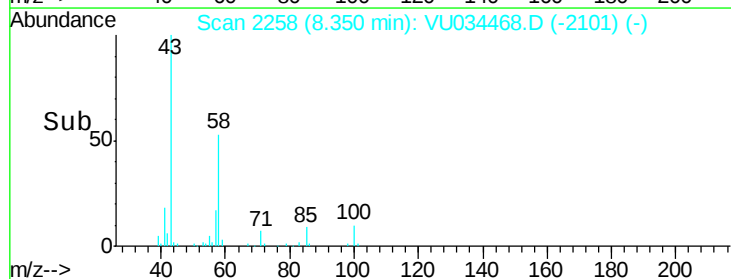
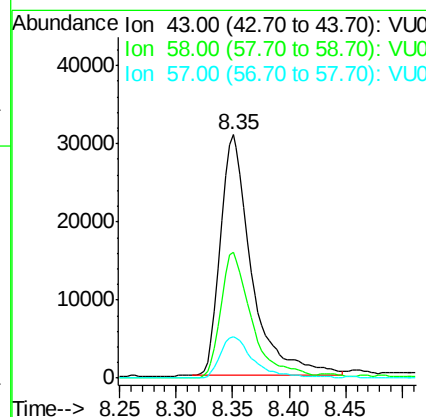
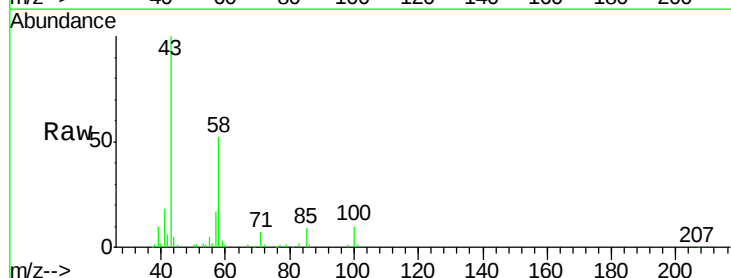
MMDadoda

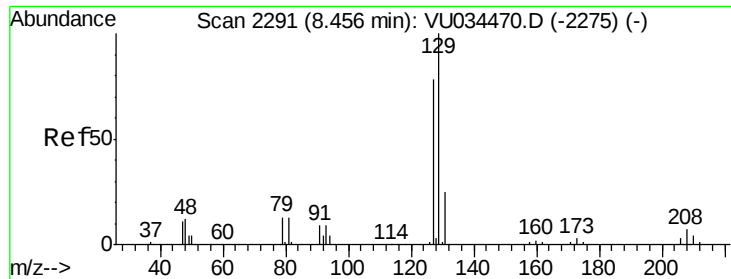
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#54
 2-Hexanone
 Concen: 7.430 ug/l
 RT: 8.35 min Scan# 2258
 Delta R.T. 0.01 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Tgt Ion: 43 Resp: 58973
 Ion Ratio Lower Upper
 43 100
 58 52.5 36.4 76.4
 57 18.2 0.0 39.5



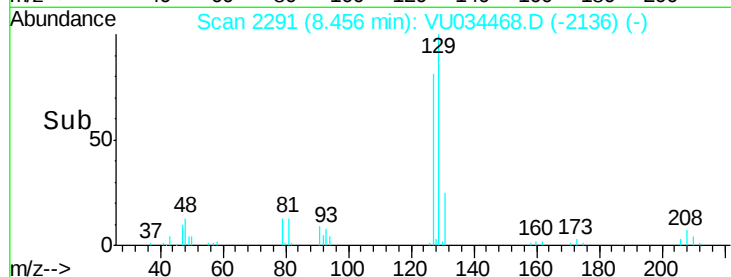
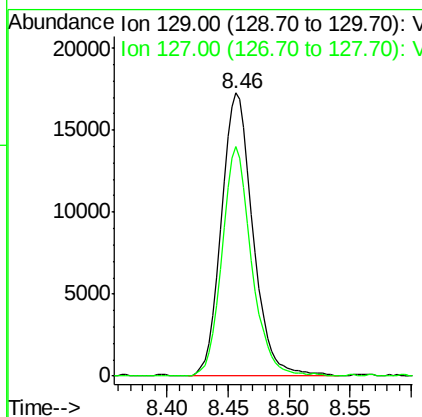
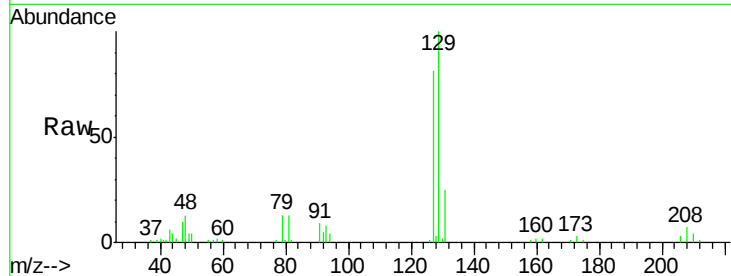


#55
 Dibromochloromethane
 Concen: 1.781 ug/l
 RT: 8.46 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

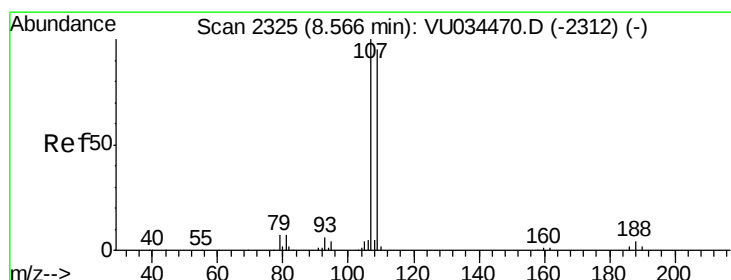
Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		31382		
127	75.6		60.9	91.3	

Manual Integrations
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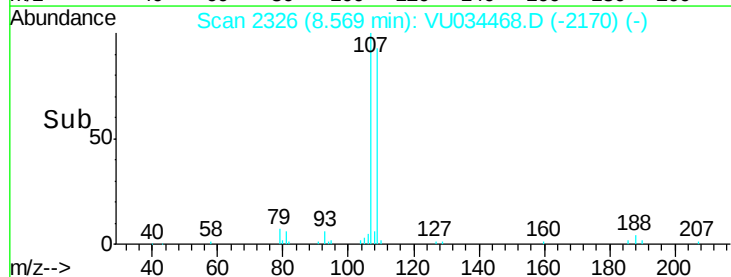
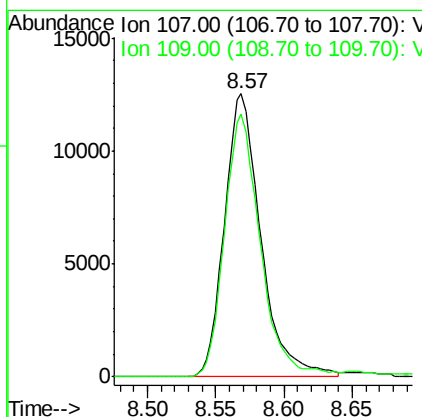
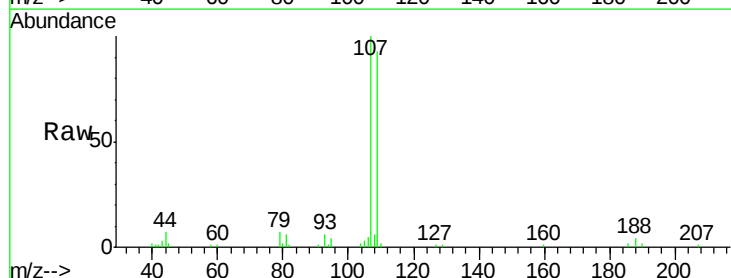
MMDadoda

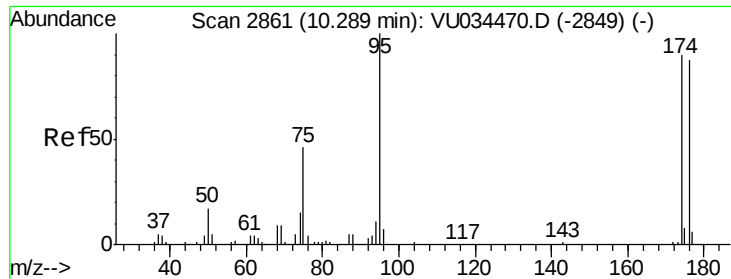
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#56
 1,2-Dibromoethane
 Concen: 1.674 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		23301		
109	89.7		0.0	190.8	



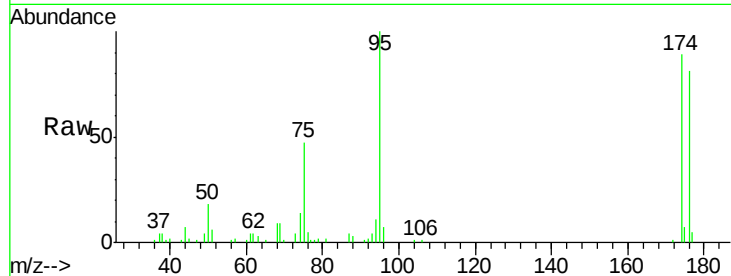


#57
4-Bromofluorobenzene
Concen: 0.983 ug/l
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.4	70.1	105.1
176	83.1	67.7	101.5

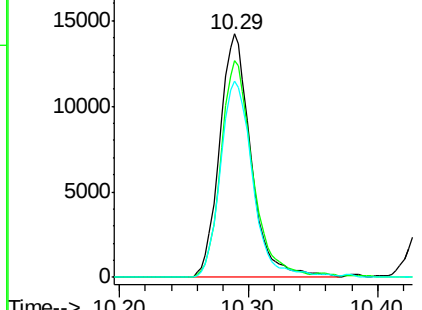
Manual Integrations
APPROVED



Abundance Ion 95.00 (94.70 to 95.70): VU034468.D (-2550) (-)

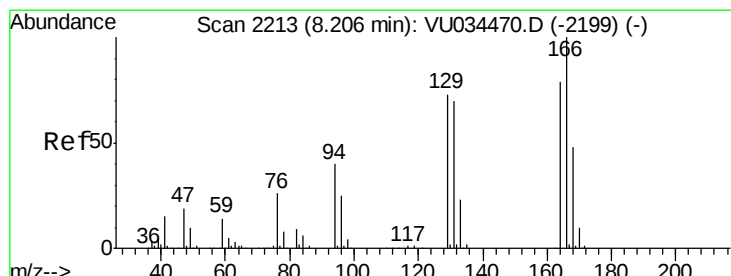
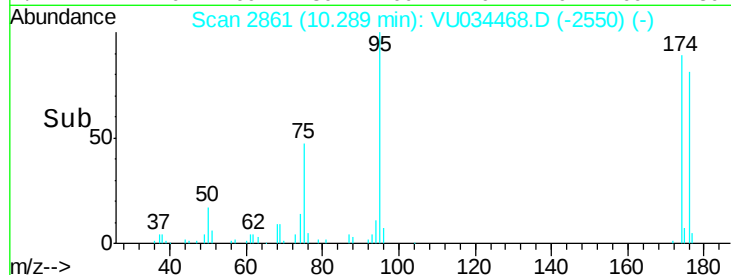
Ion 174.00 (173.70 to 174.70): VU034468.D (-2550) (-)

Ion 176.00 (175.70 to 176.70): VU034468.D (-2550) (-)



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#58
Tetrachloroethene
Concen: 2.231 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

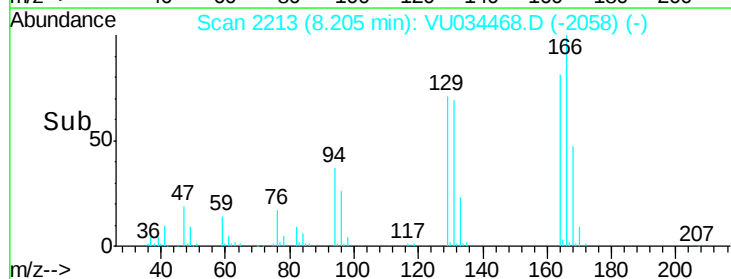
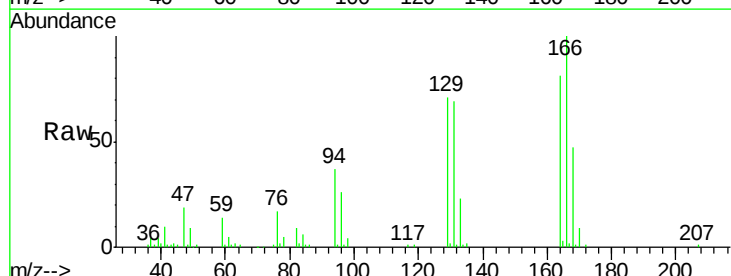
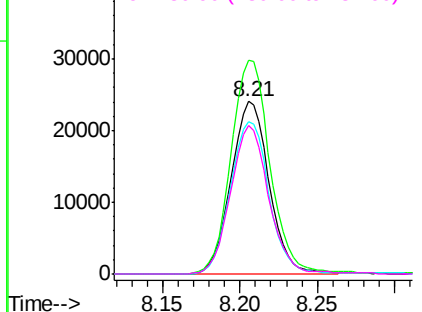
Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.0	101.5	152.3
129	88.4	73.8	110.8
131	85.9	71.5	107.3

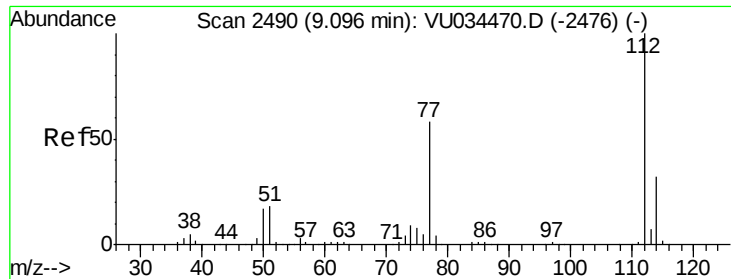
Abundance Ion 163.85 (163.55 to 164.55): VU034468.D (-2058) (-)

Ion 165.80 (165.50 to 166.50): VU034468.D (-2058) (-)

Ion 128.90 (128.60 to 129.60): VU034468.D (-2058) (-)

Ion 130.90 (130.60 to 131.60): VU034468.D (-2058) (-)



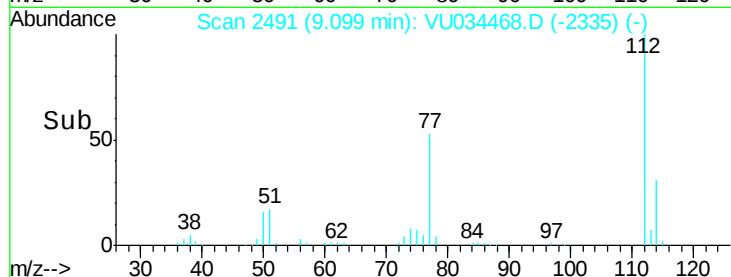
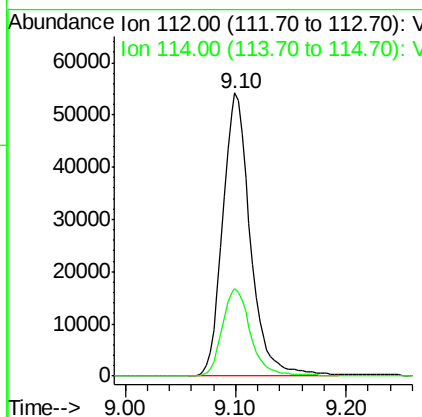
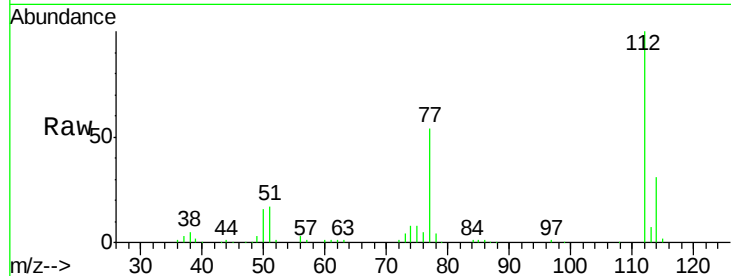


#59
Chlorobenzene
Concen: 1.912 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

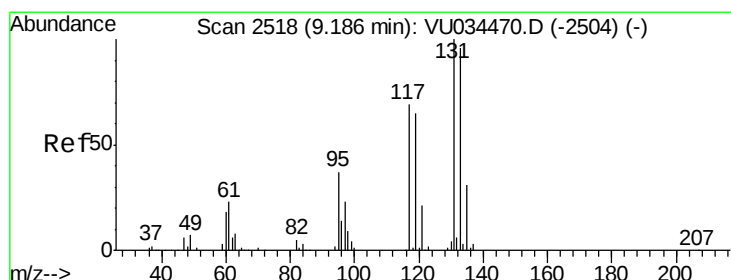
Tot Ion:112 Resp: 94652
Ion Ratio Lower Upper
112 100
114 30.7 25.6 38.4

Manual Integrations
APPROVED



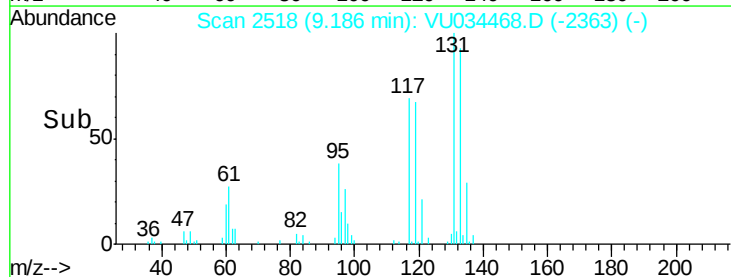
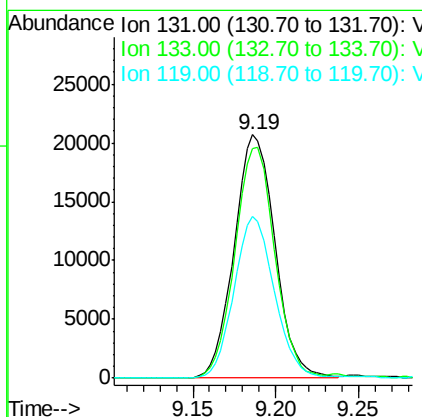
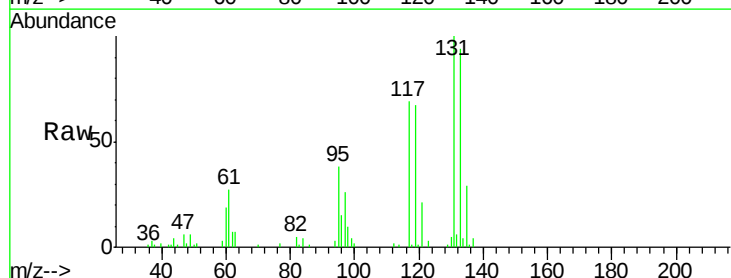
MMDadoda

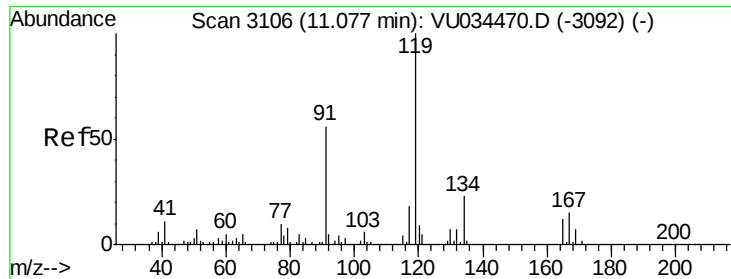
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.892 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion:131 Resp: 35528
Ion Ratio Lower Upper
131 100
133 92.7 76.8 115.2
119 65.2 52.4 78.6



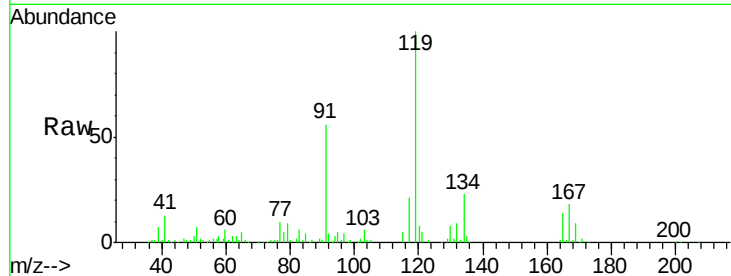


#61
Pentachloroethane
Concen: 1.869 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

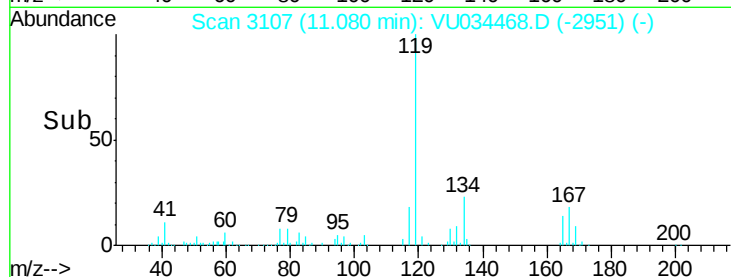
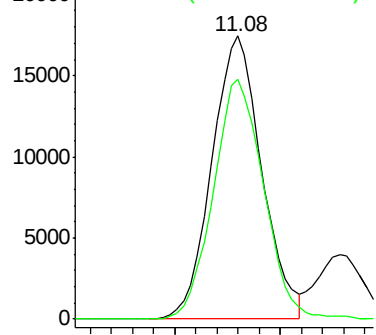
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:117 Resp: 28667
Ion Ratio Lower Upper
117 100
167 85.4 70.7 106.1

Manual Integrations
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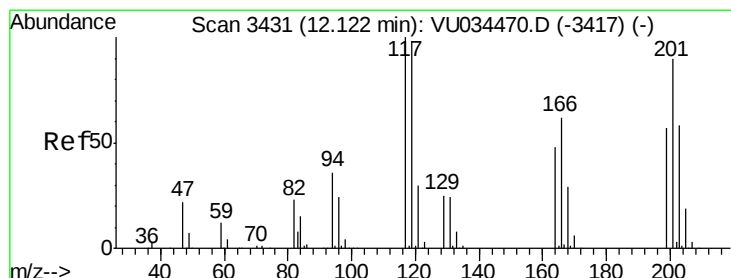


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 166.70 (166.40 to 167.40): V



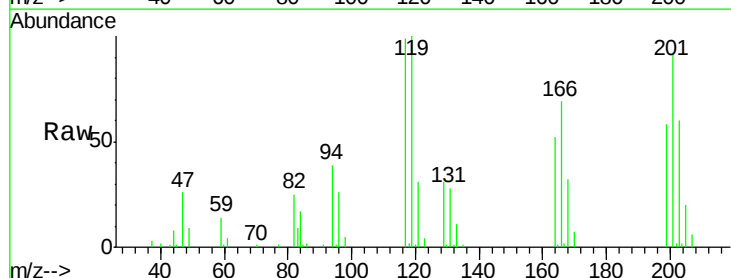
MMDadoda

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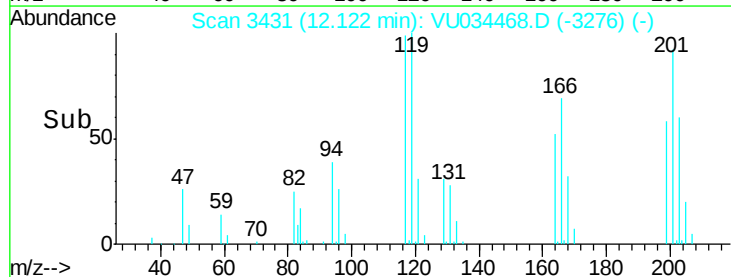
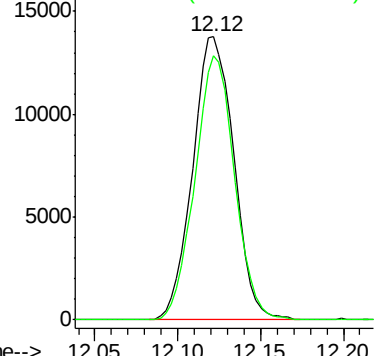


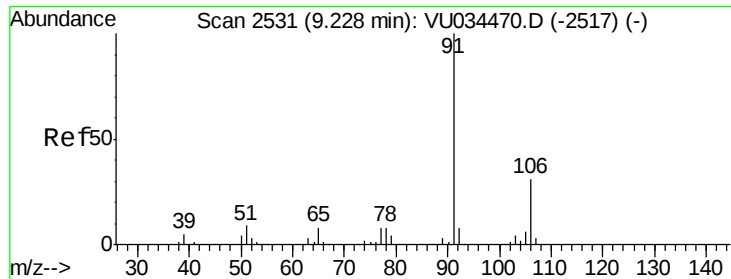
#62
Hexachloroethane
Concen: 1.628 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion:117 Resp: 23815
Ion Ratio Lower Upper
117 100
201 89.7 71.8 107.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.60 (200.30 to 201.30): V



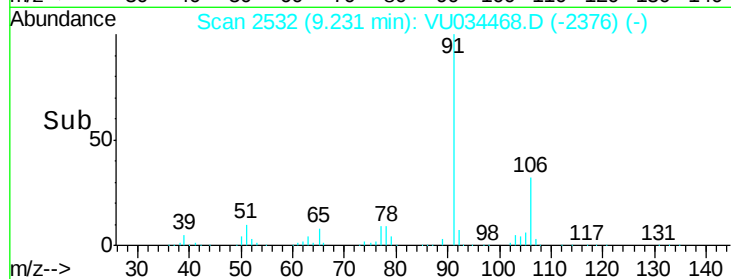
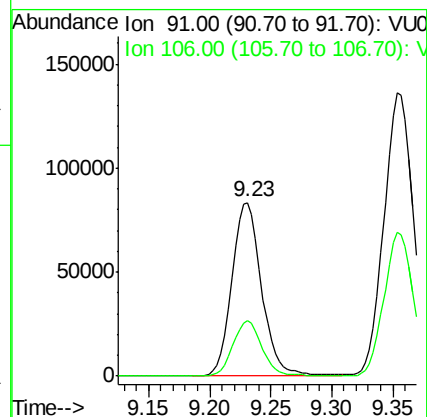
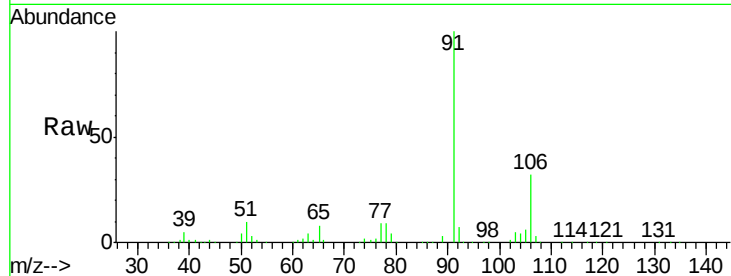


#63
Ethyl Benzene
Concen: 1.802 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

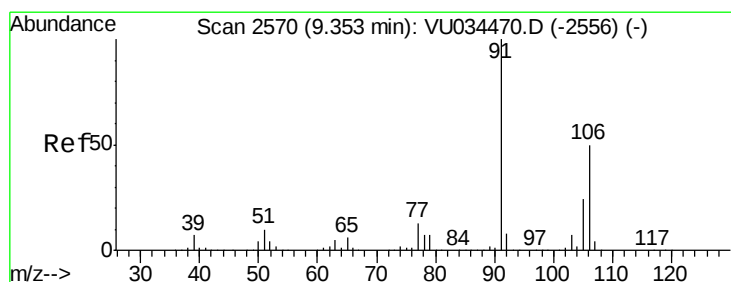
Tot Ion: 91 Resp: 143367
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8

Manual Integrations
APPROVED



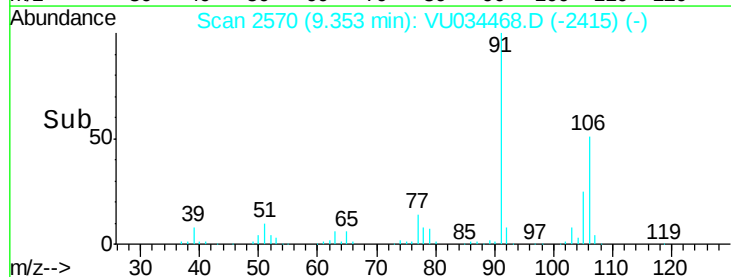
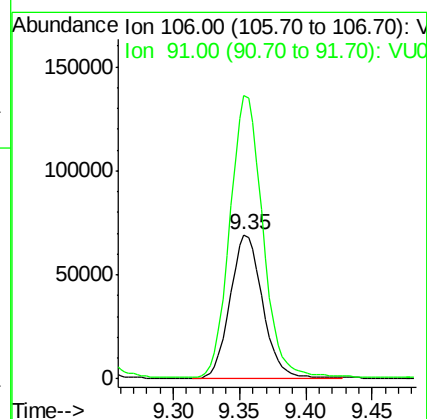
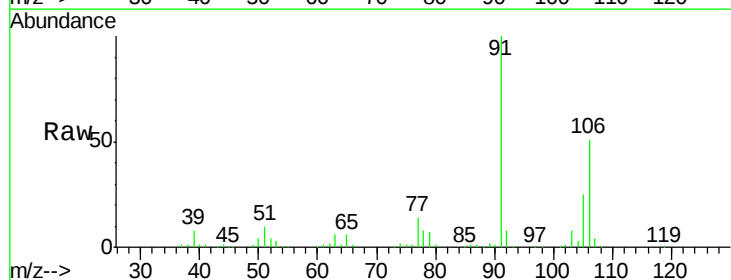
MMDadoda

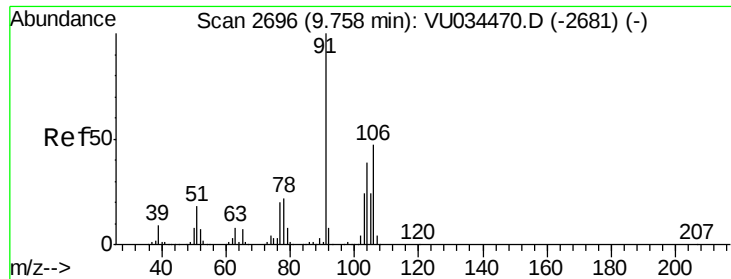
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#64
m/p-Xylenes
Concen: 3.711 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion: 106 Resp: 118298
Ion Ratio Lower Upper
106 100
91 198.5 161.8 242.6



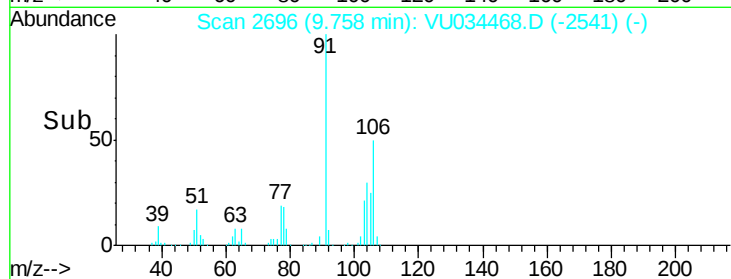
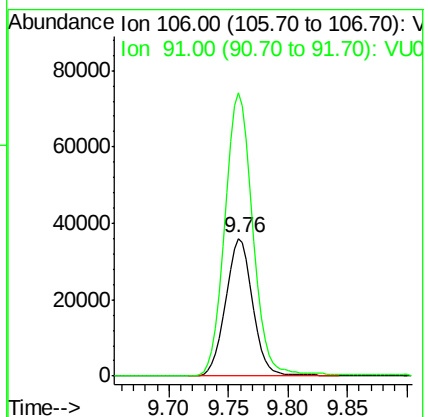
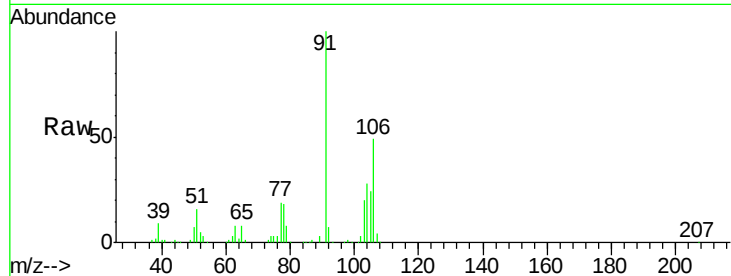


#65
o-Xylene
Concen: 1.872 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

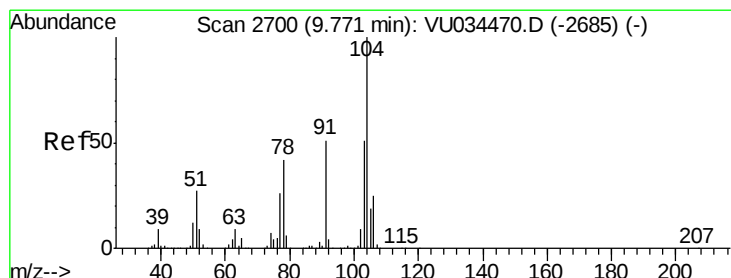
Tot Ion:106 Resp: 57135
Ion Ratio Lower Upper
106 100
91 212.0 104.7 313.9

Manual Integrations
APPROVED



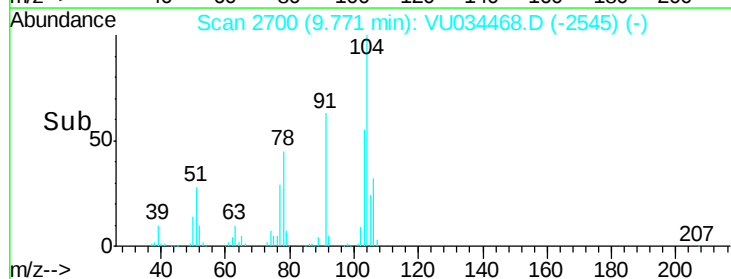
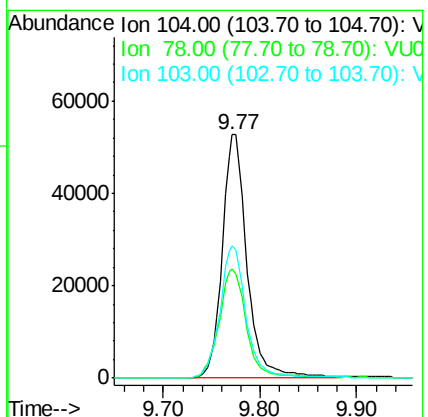
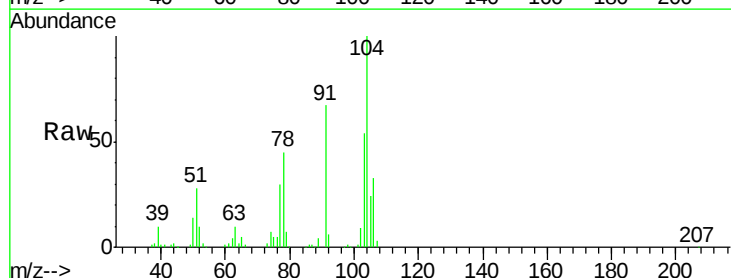
MMDadoda

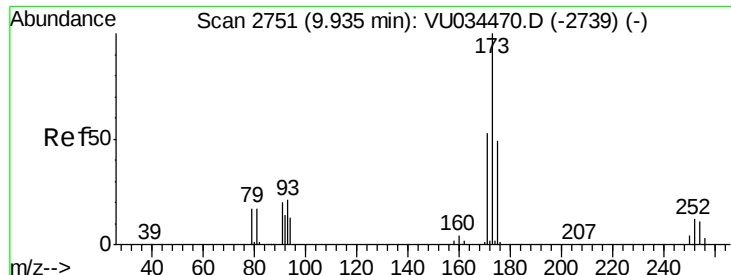
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#66
Styrene
Concen: 1.820 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion:104 Resp: 93778
Ion Ratio Lower Upper
104 100
78 49.4 37.8 56.6
103 56.7 43.8 65.8





#67

Bromoform

Concen: 1.917 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

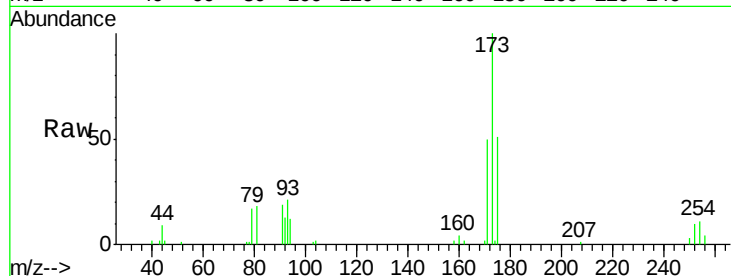
MSVOA_U

ClientSampleId :

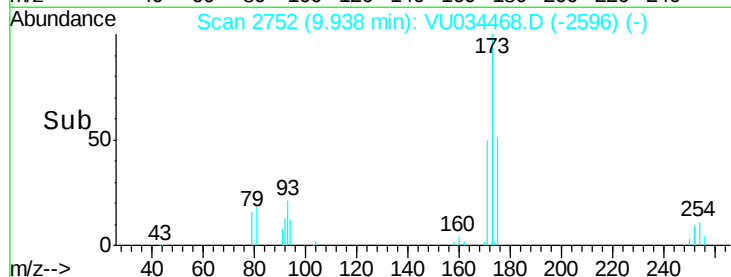
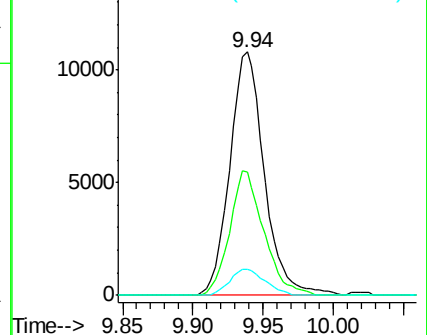
VSTDIC002

Tot Ion:	173	Resp:	18447
Ion Ratio	Lower	Upper	
173	100		
175	50.6	39.1	58.7
254	11.0	8.6	13.0

Manual Integrations
APPROVED

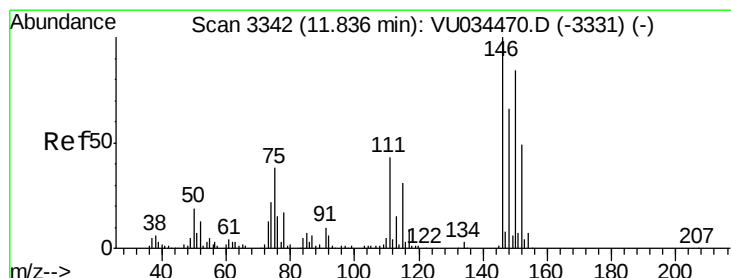


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 1.020 ug/l

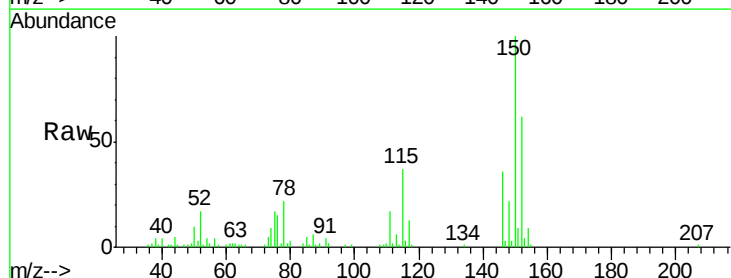
RT: 11.84 min Scan# 3343

Delta R.T. 0.00 min

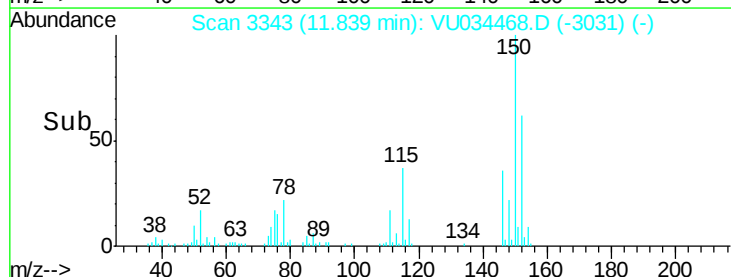
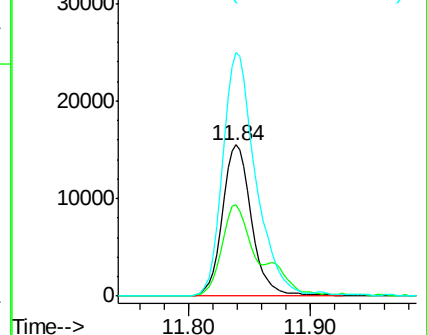
Lab File: VU034468.D

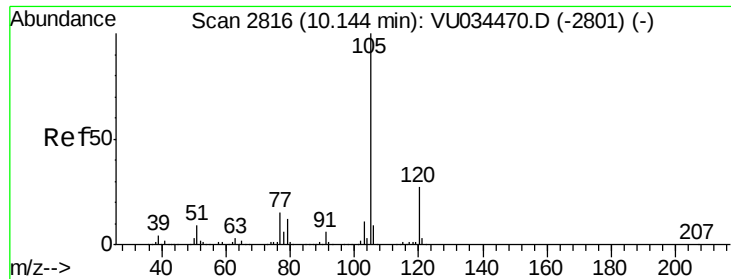
Acq: 11 Sep 2019 10:40

Tgt Ion:	152	Resp:	26109
Ion Ratio	Lower	Upper	
152	100		
115	60.4	0.0	126.6
150	180.6	0.0	633.6



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



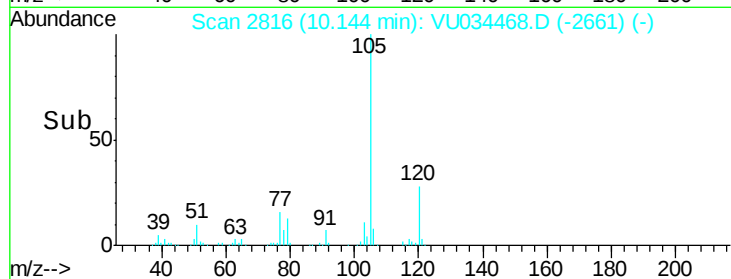
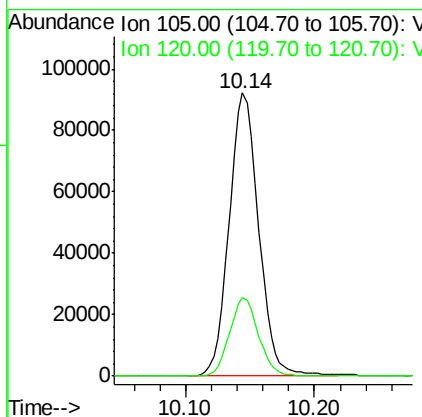
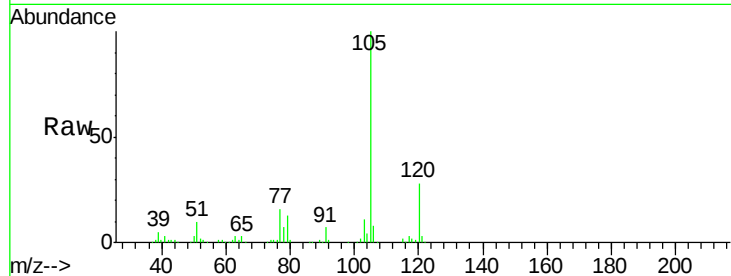


#69
Isopropylbenzene
Concen: 1.870 ug/l
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

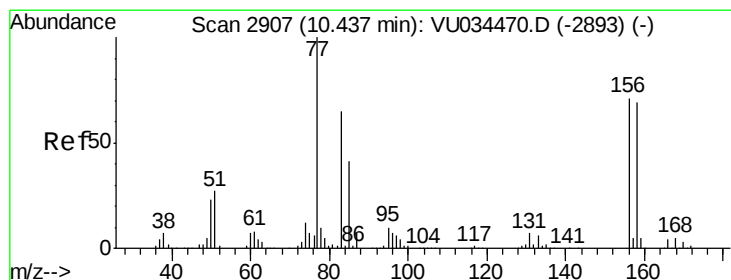
Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.4	40.2

Manual Integrations
APPROVED



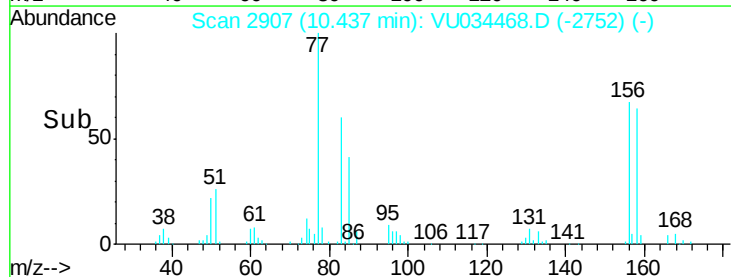
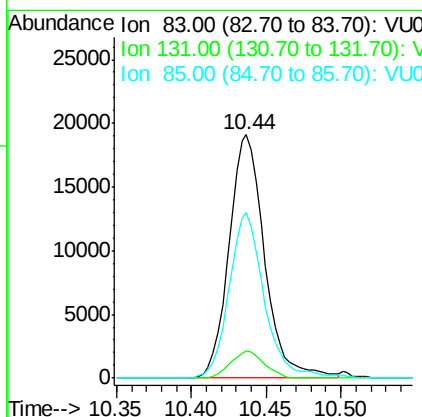
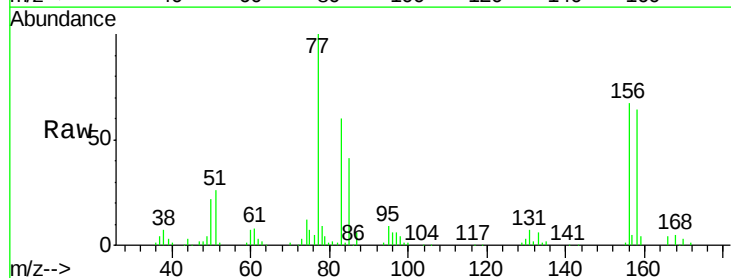
MMDadoda

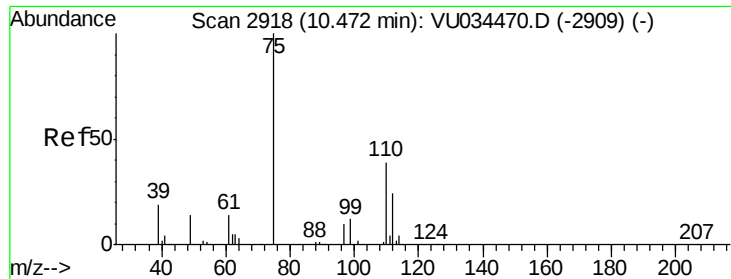
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#70
1,1,2,2-Tetrachloroethane
Concen: 1.594 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.4	8.2	12.4
85	67.5	51.9	77.9



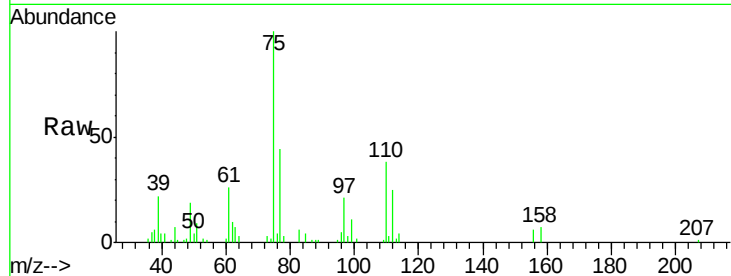


#71
1,2,3-Trichloropropane
Concen: 1.520 ug/l m
RT: 10.48 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	75	Resp:	23307
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	35.8	0.0	66.8
97	20.1	0.0	35.6

Manual Integrations
APPROVED

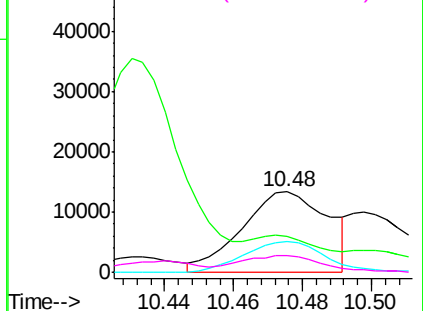


Abundance Ion 75.00 (74.70 to 75.70): VU034470.D (-2909) (-)

Ion 77.00 (76.70 to 77.70): VU034470.D (-2909) (-)

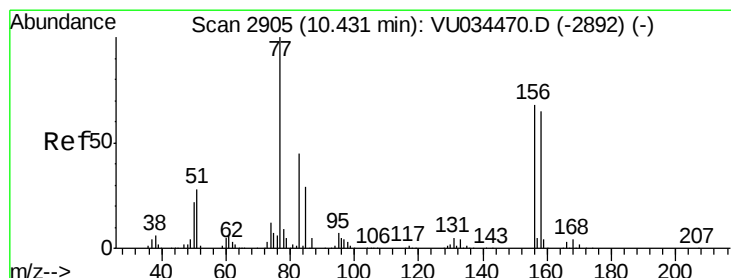
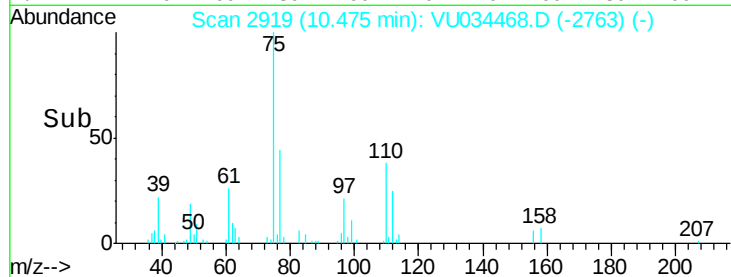
Ion 110.00 (109.70 to 110.70): VU034470.D (-2909) (-)

Ion 97.00 (96.70 to 97.70): VU034470.D (-2909) (-)



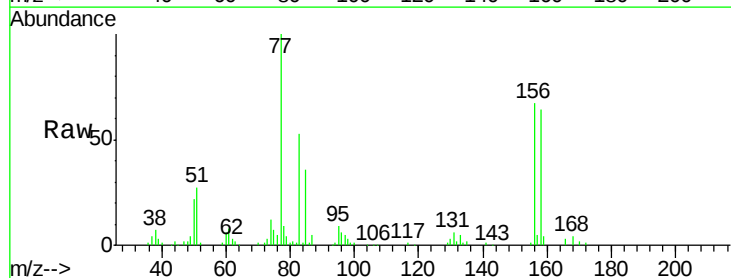
MMDadoda

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#72
Bromobenzene
Concen: 1.919 ug/l
RT: 10.43 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

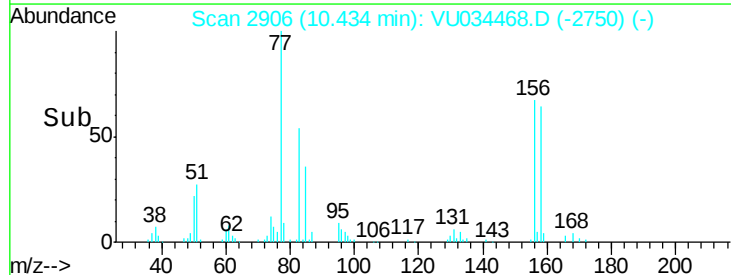
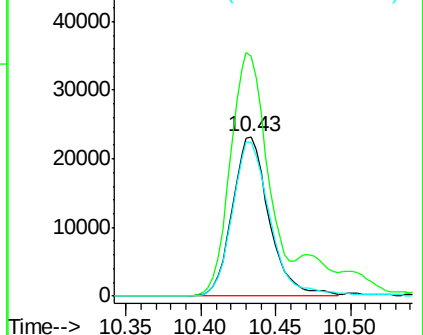
Tgt Ion:	156	Resp:	39828
Ion Ratio	Lower	Upper	
156	100		
77	152.6	0.0	293.6
158	99.8	0.0	192.6

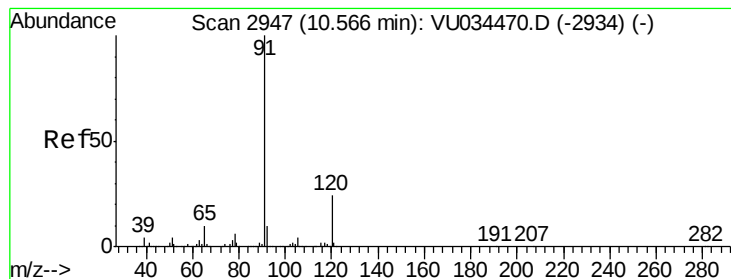


Abundance Ion 156.00 (155.70 to 156.70): VU034470.D (-2892) (-)

Ion 77.00 (76.70 to 77.70): VU034470.D (-2892) (-)

Ion 158.00 (157.70 to 158.70): VU034470.D (-2892) (-)





#73

n-propylbenzene

Concen: 1.890 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

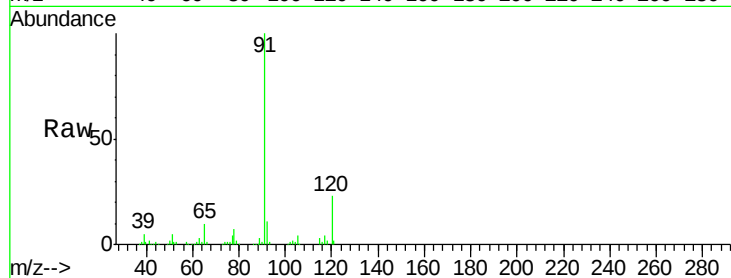
Tot Ion:120 Resp: 42358

Ion Ratio Lower Upper

120 100

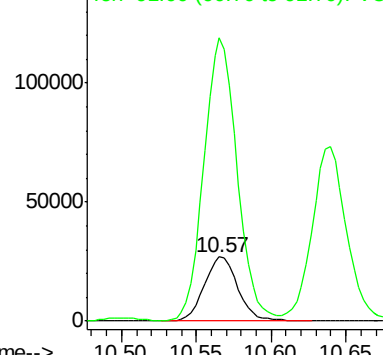
91 431.3 339.1 508.7

Manual Integrations
APPROVED



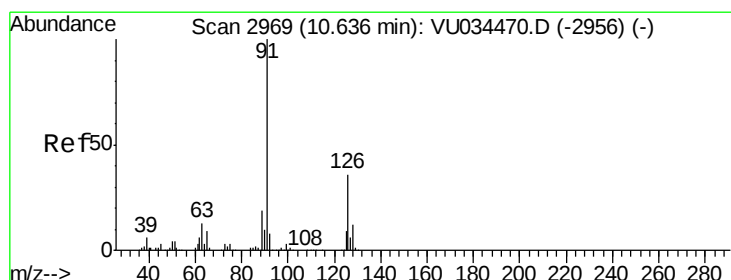
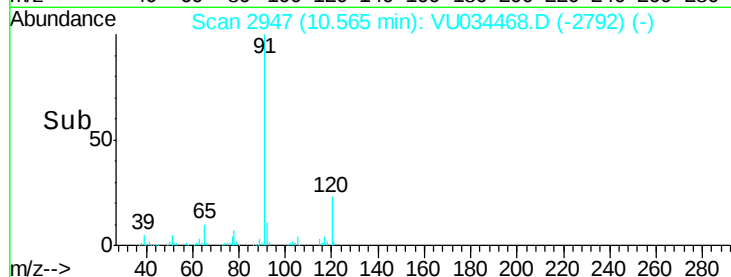
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 1.945 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034468.D

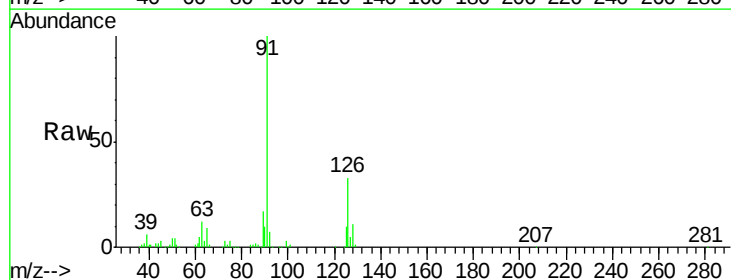
Acq: 11 Sep 2019 10:40

Tgt Ion:126 Resp: 39571

Ion Ratio Lower Upper

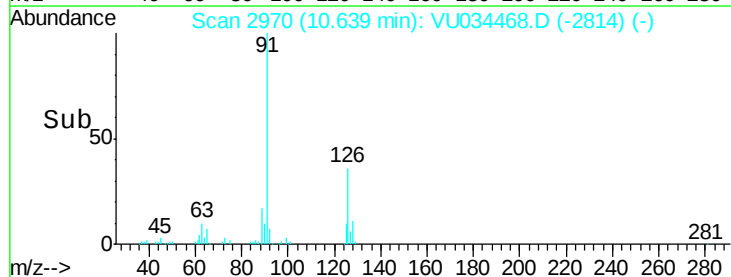
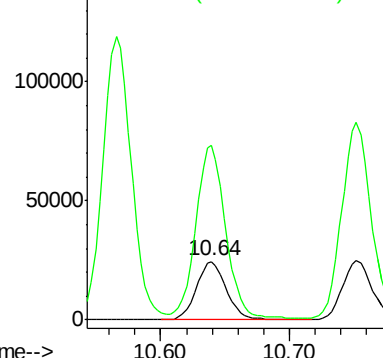
126 100

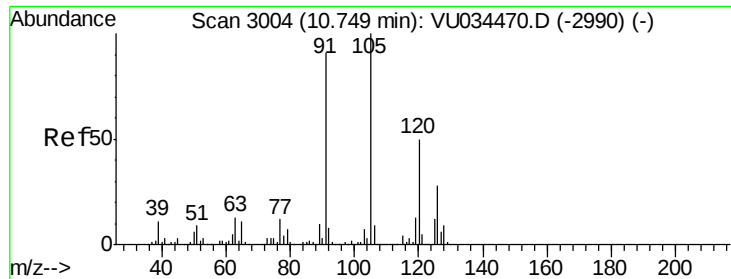
91 298.1 0.0 582.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.943 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

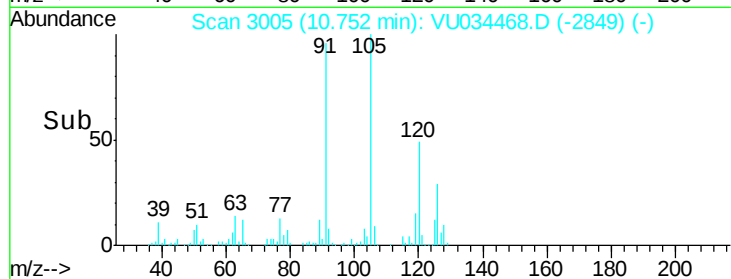
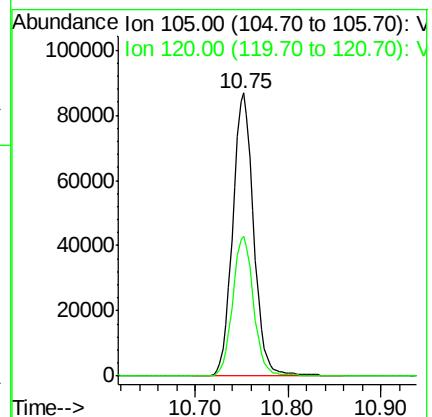
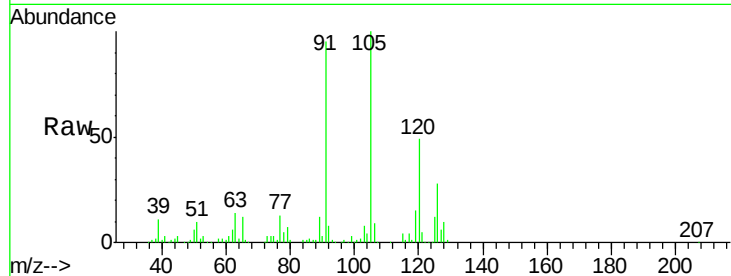
Tot Ion:105 Resp: 136294

Ion Ratio Lower Upper

105 100

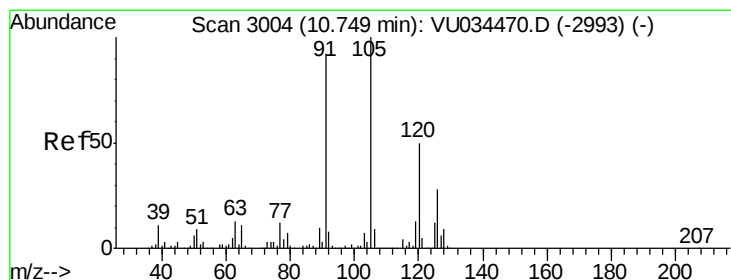
120 49.3 39.8 59.8

Manual Integrations
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#76

4-Chlorotoluene

Concen: 1.872 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034468.D

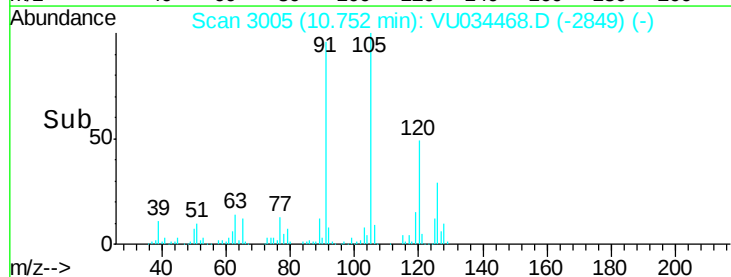
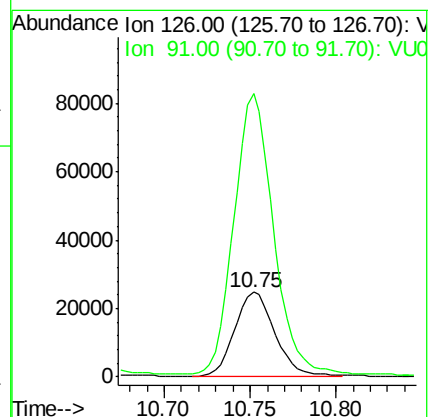
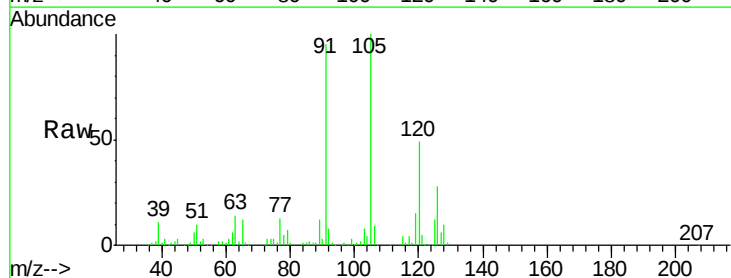
Acq: 11 Sep 2019 10:40

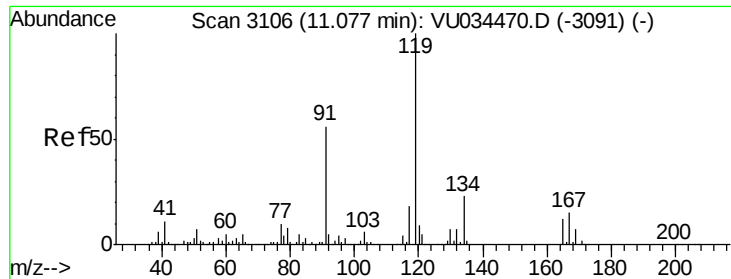
Tgt Ion:126 Resp: 39428

Ion Ratio Lower Upper

126 100

91 339.9 0.0 667.6





#77

tert-Butylbenzene

Concen: 1.956 ug/l

RT: 11.08 min Scan# 3106

Delta R.T. -0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

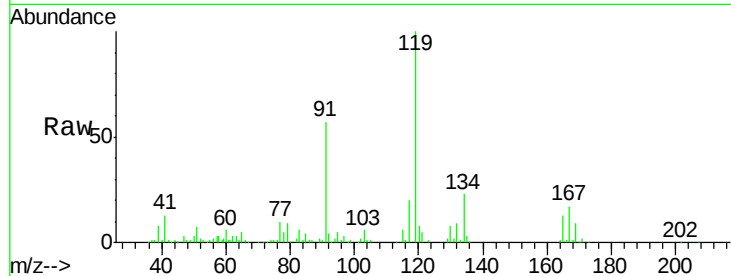
MSVOA_U

ClientSampleId :

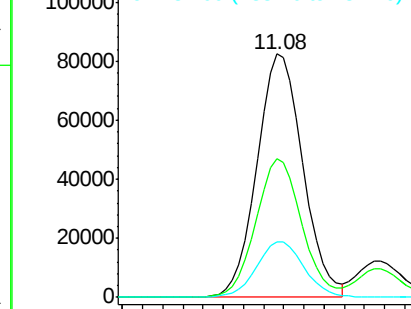
VSTDIC002

Tot Ion:	119	Resp:	131283
Ion	Ratio	Lower	Upper
119	100		
91	56.3	27.8	83.3
134	23.8	18.4	27.6

Manual Integrations
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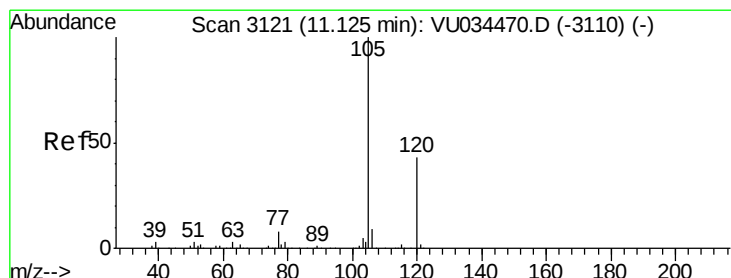
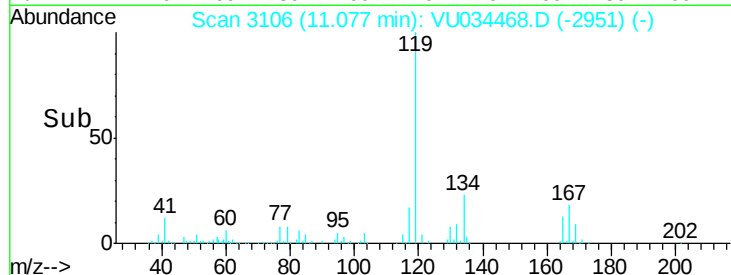


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



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#78

1,2,4-Trimethylbenzene

Concen: 1.884 ug/l

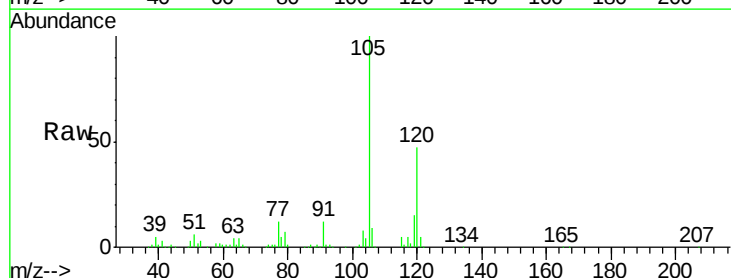
RT: 11.13 min Scan# 3122

Delta R.T. 0.00 min

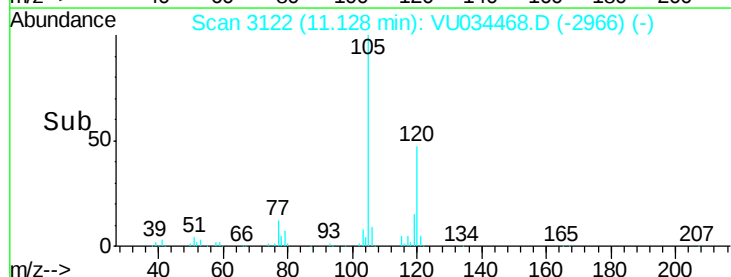
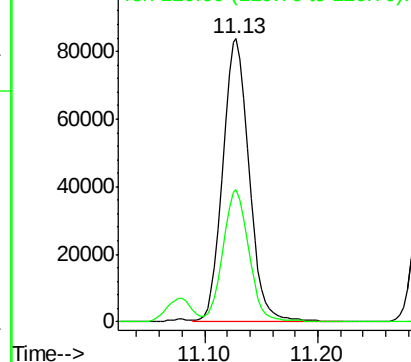
Lab File: VU034468.D

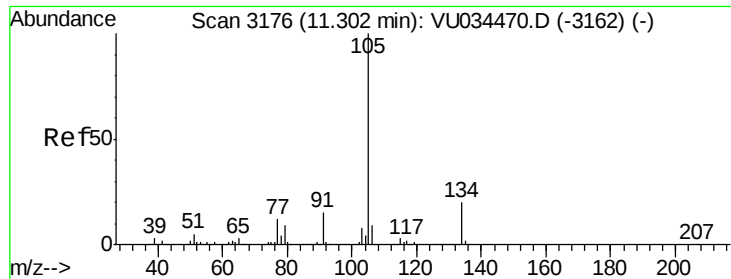
Acq: 11 Sep 2019 10:40

Tgt Ion:	105	Resp:	134885
Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2



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



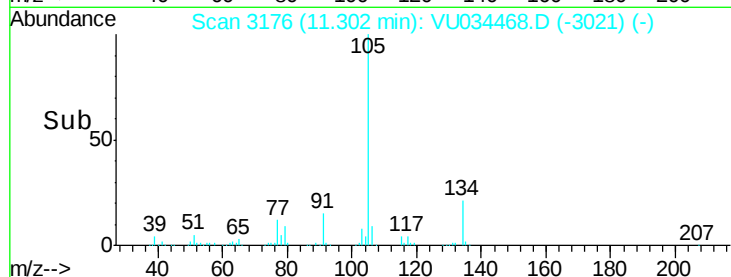
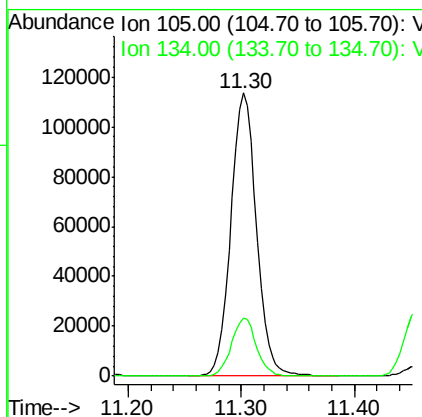
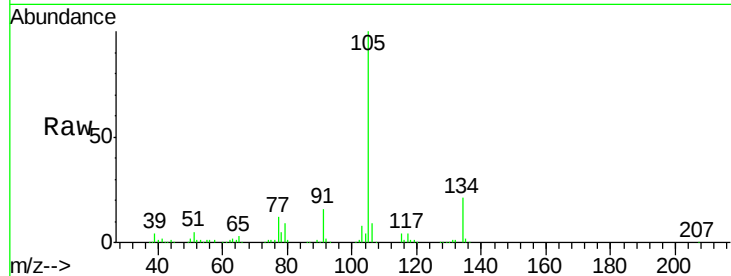


#79
 sec-Butylbenzene
 Concen: 1.948 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

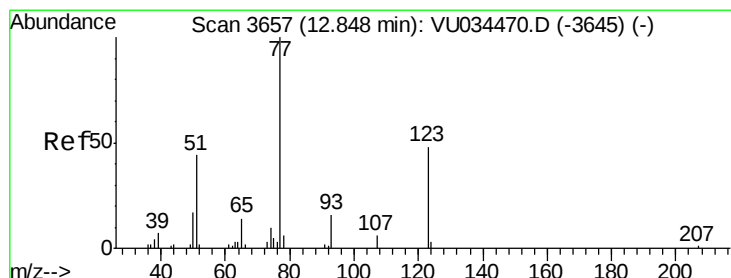
Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	16.3	24.5

Manual Integrations
 APPROVED



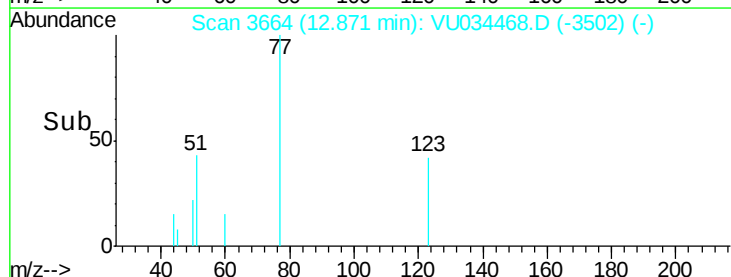
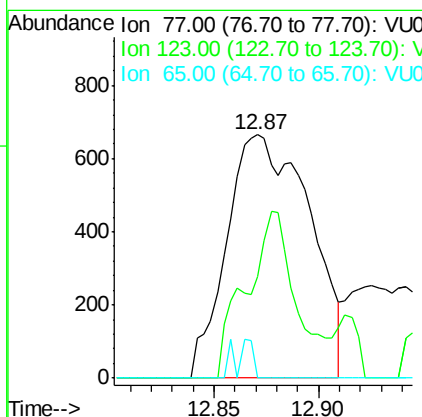
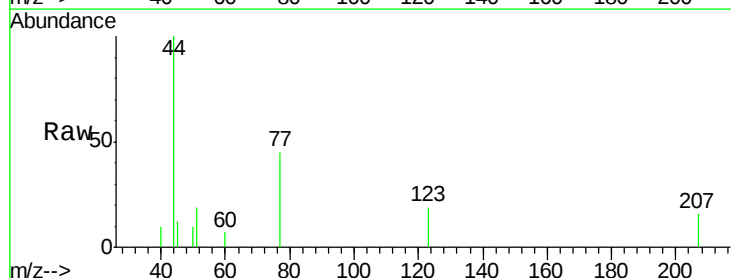
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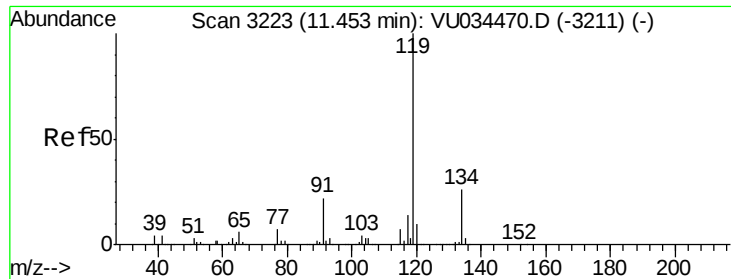
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#80
 Nitrobenzene
 Concen: 2.296 ug/l m
 RT: 12.87 min Scan# 3664
 Delta R.T. 0.02 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
77	100		
123	32.3	19.0	67.4
65	3.3	8.5	10.9#



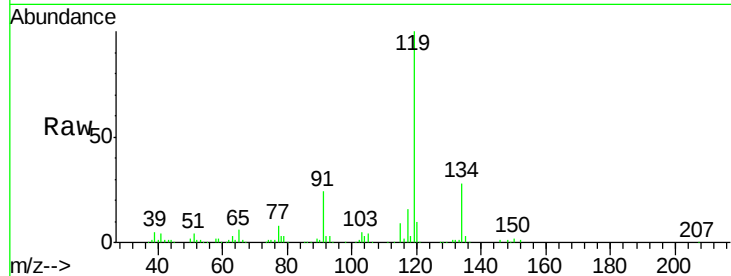


#81
p-Isopropyltoluene
Concen: 1.968 ug/l
RT: 11.45 min Scan# 3223
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.3	21.2	31.8
91	23.2	17.6	26.4

Manual Integrations
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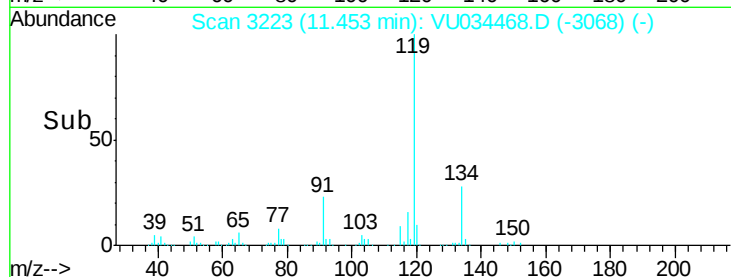
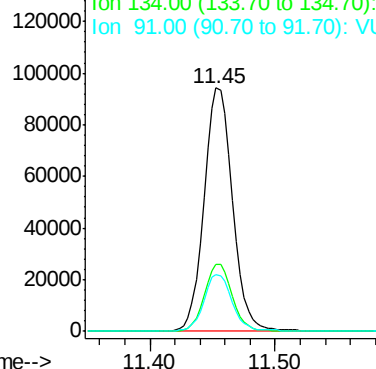


Abundance

Ion 119.00 (118.70 to 119.70): V

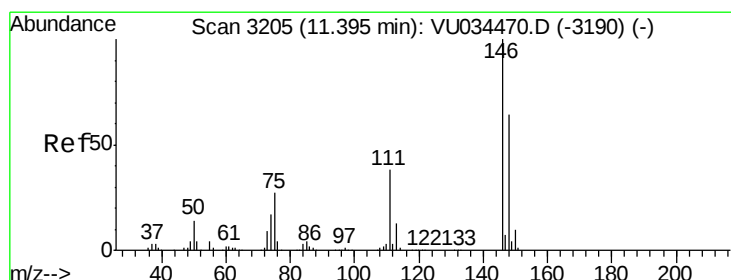
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



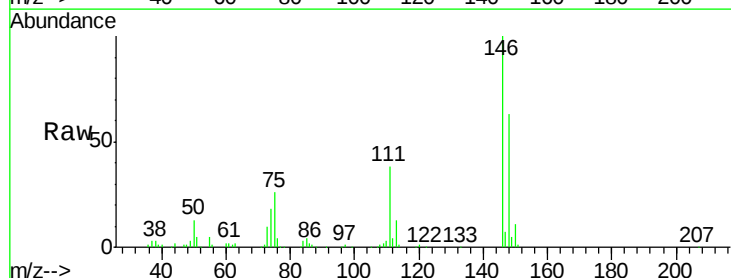
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#82
1,3-Dichlorobenzene
Concen: 2.004 ug/l
RT: 11.40 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	31.0	46.6
148	64.4	51.5	77.3

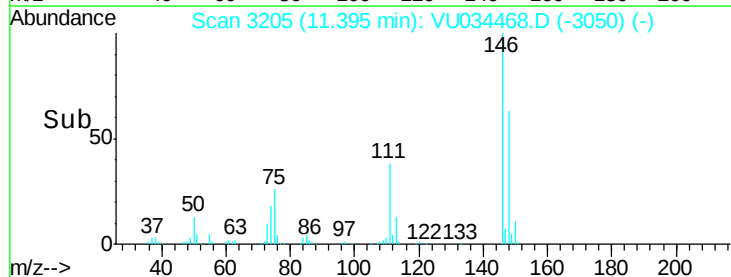
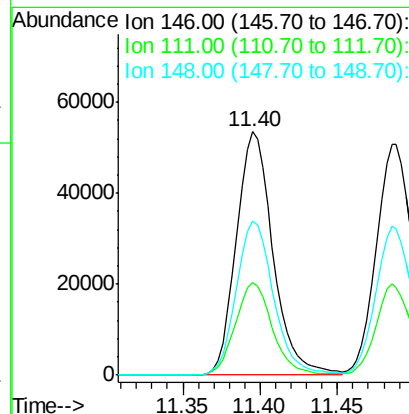


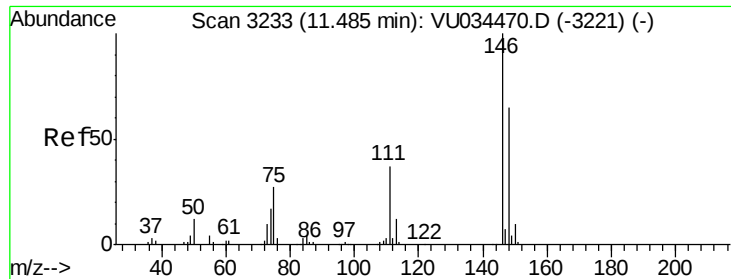
Abundance

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



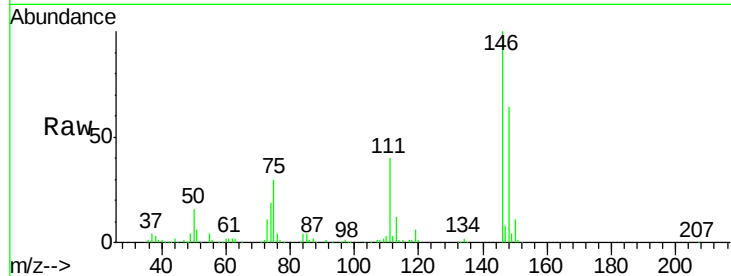


#83
 1,4-Dichlorobenzene
 Concen: 1.992 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

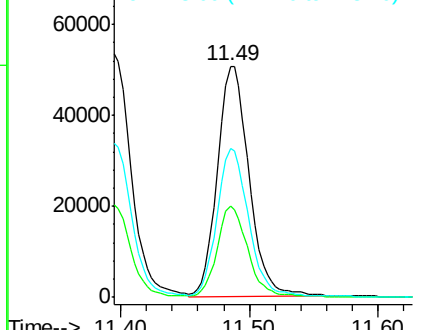
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	29.5	44.3
148	65.9	51.0	76.4

Manual Integrations
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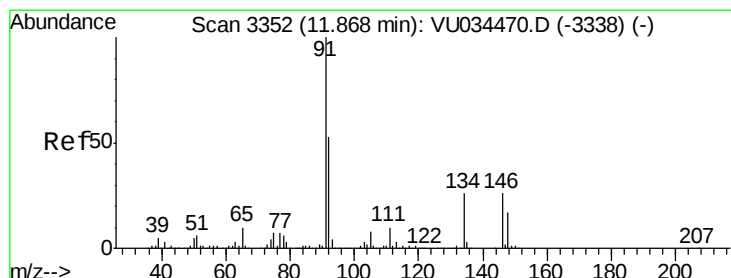
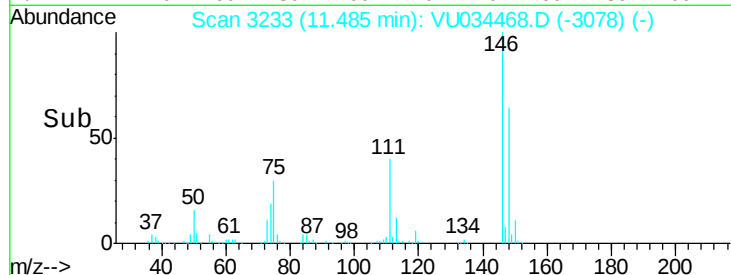


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



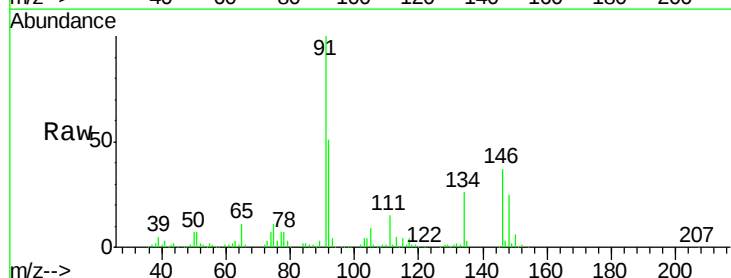
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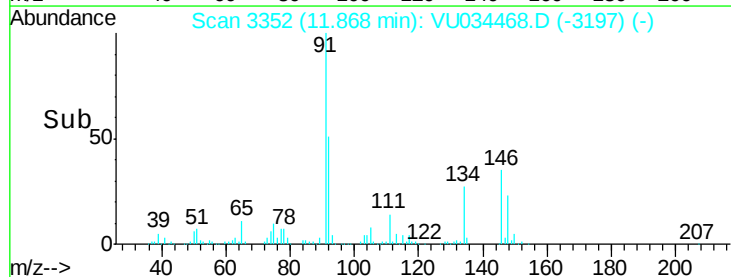
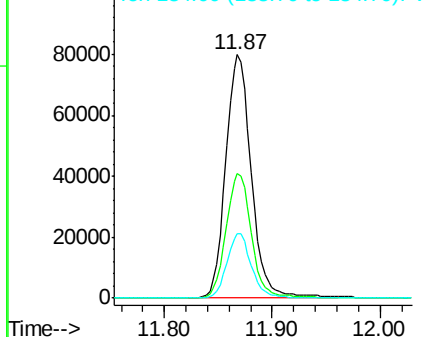


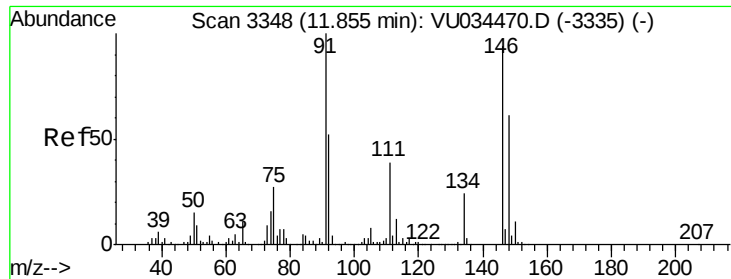
#84
 n-Butylbenzene
 Concen: 1.752 ug/l
 RT: 11.87 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.9	42.4	63.6
134	25.3	21.0	31.4



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: 1.898 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Instrument :

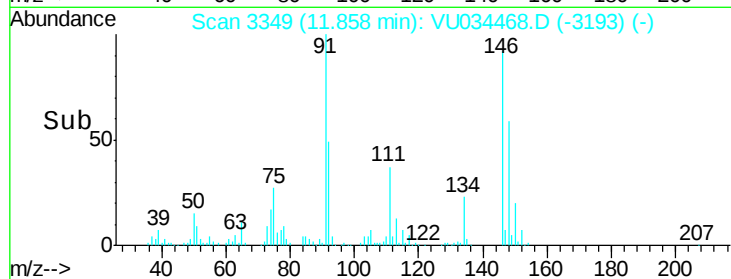
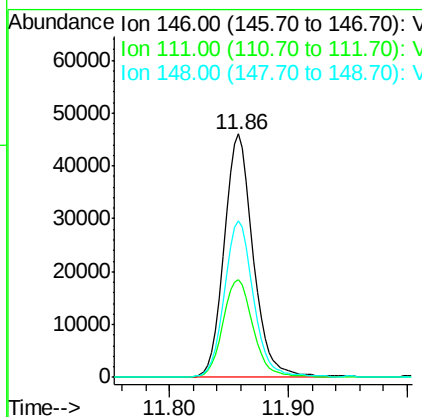
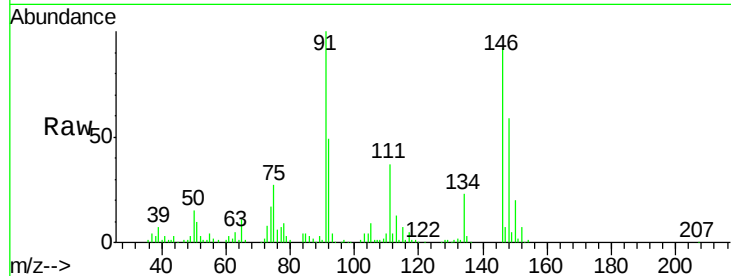
MSVOA_U

ClientSampleId :

VSTDIC002

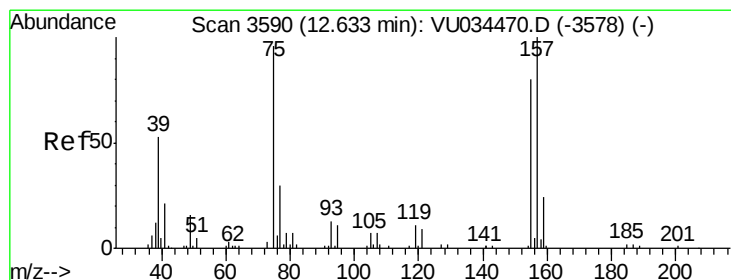
Tot Ion:	146	Resp:	77804
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.3	60.8
148	64.6	32.2	96.6

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 1.454 ug/l

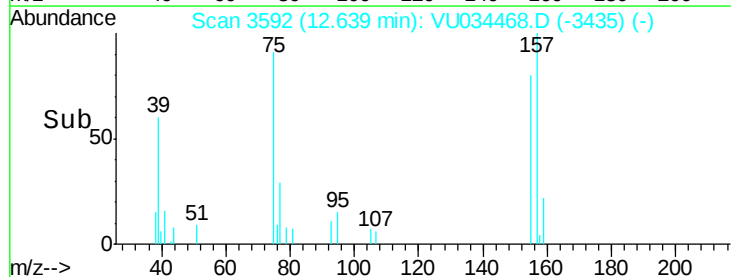
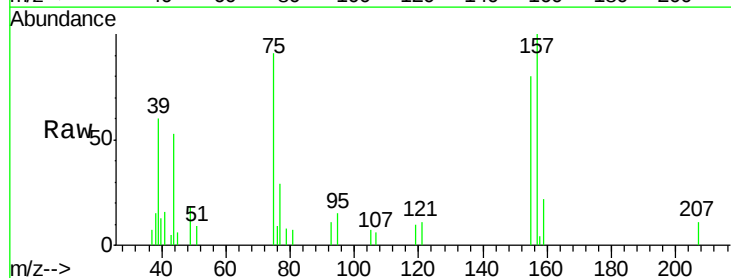
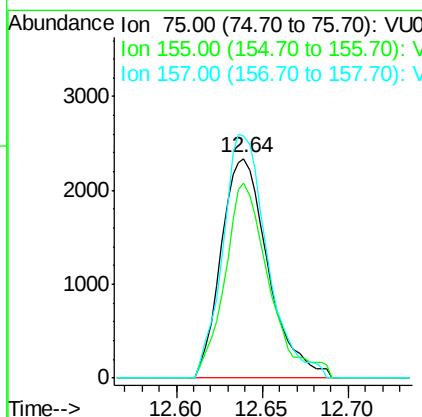
RT: 12.64 min Scan# 3592

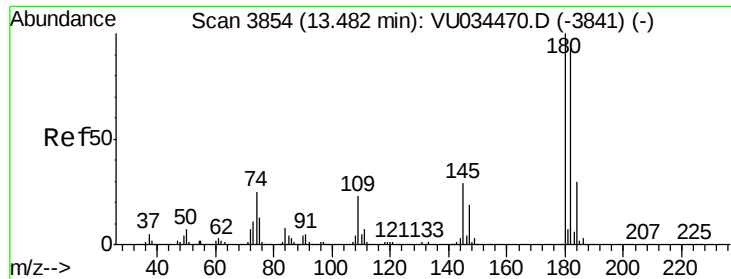
Delta R.T. 0.01 min

Lab File: VU034468.D

Acq: 11 Sep 2019 10:40

Tgt Ion:	75	Resp:	4465
Ion Ratio	Lower	Upper	
75	100		
155	83.4	68.9	103.3
157	105.6	89.9	134.9



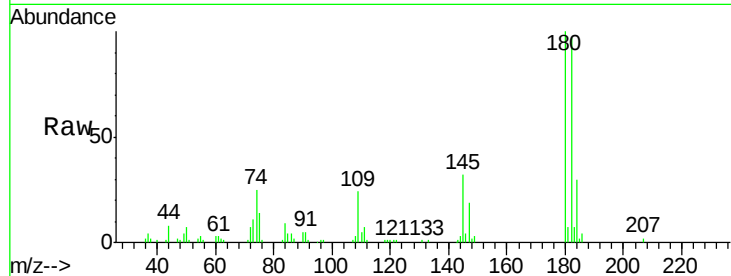


#87
 1,2,4-Trichlorobenzene
 Concen: 1.631 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

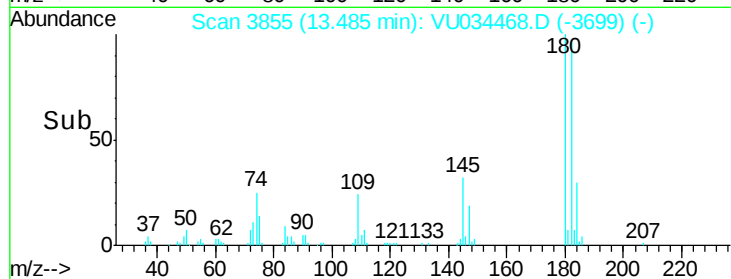
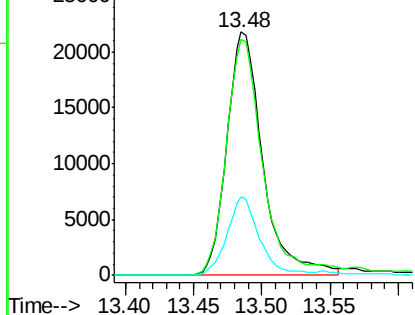
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.6	114.8
145	29.2	23.0	34.6

Manual Integrations
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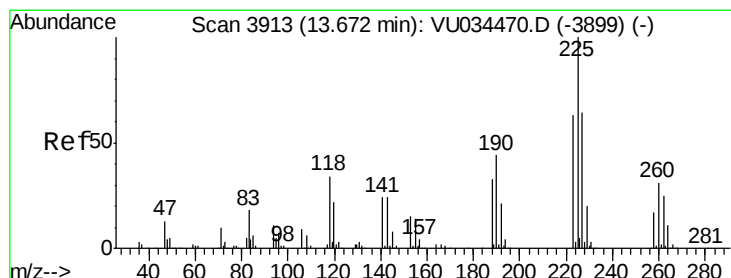


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



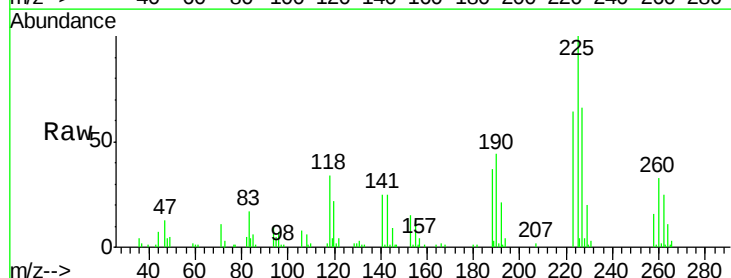
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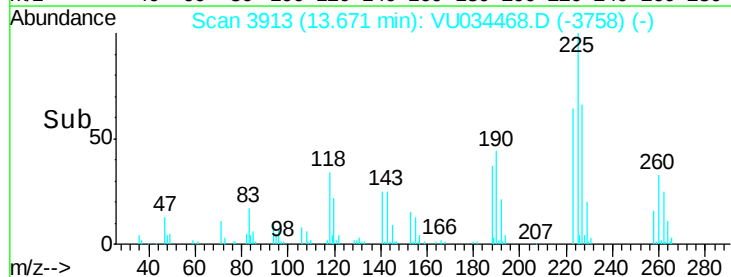
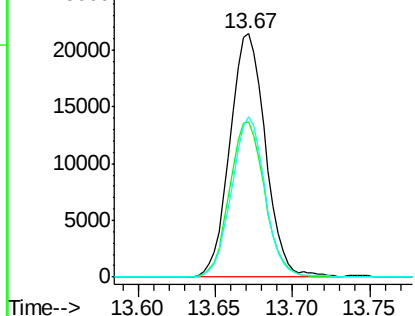


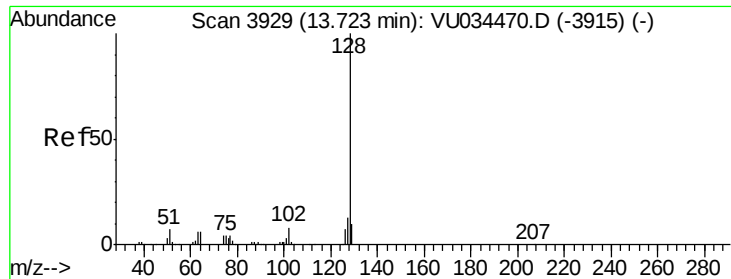
#88
 Hexachlorobutadiene
 Concen: 2.187 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034468.D
 Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.3	75.5
227	61.6	51.1	76.7



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



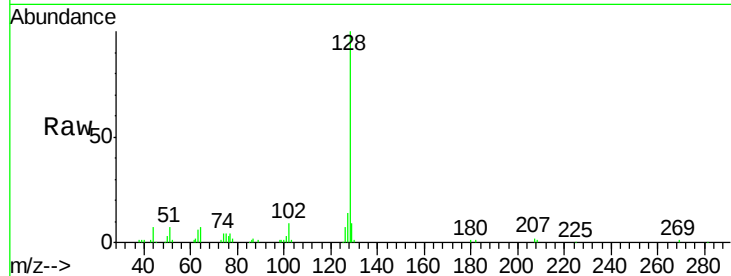


#89
Naphthalene
Concen: 1.133 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

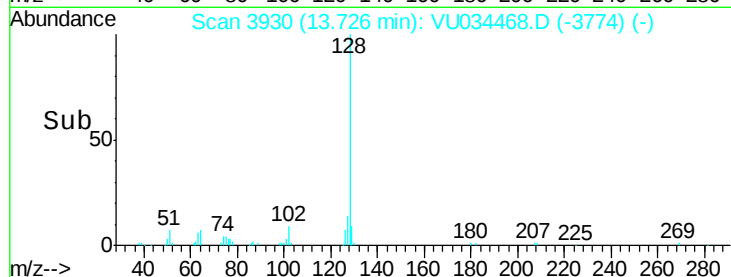
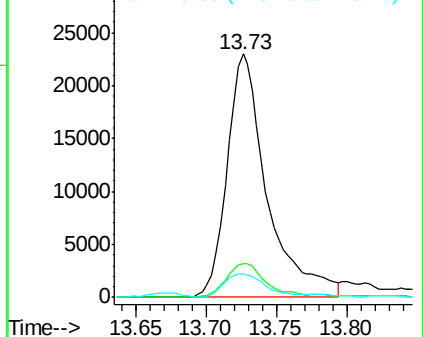
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.2
129	10.0	8.0	12.0

Manual Integrations
APPROVED

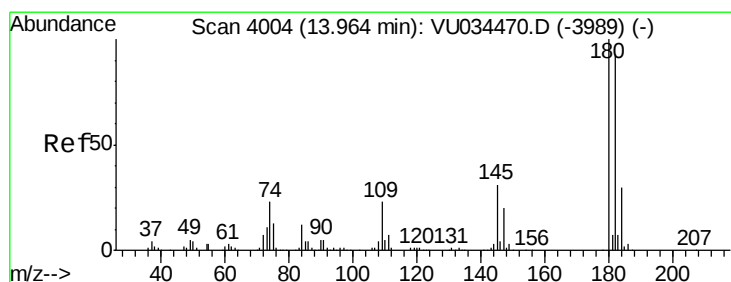


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



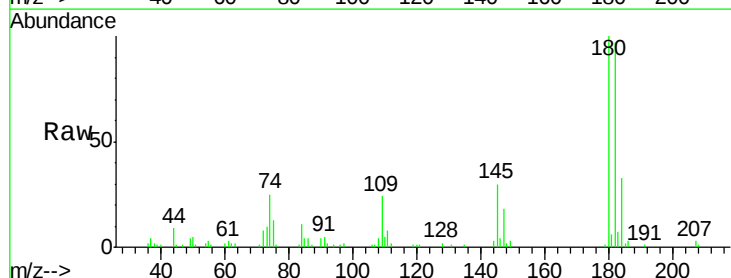
MMDadoda

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#90
1,2,3-Trichlorobenzene
Concen: 1.592 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.01 min
Lab File: VU034468.D
Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	75.4	113.2
145	28.7	24.5	36.7



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

