

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072219\
 Data File : VU033364.D
 Acq On : 22 Jul 2019 21:00
 Operator : JC/SP
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Jul 23 02:23:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 23 01:45:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	33540	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	13967	1.17	ug/l	0.00
Spiked Amount 1.000			Recovery	=	117.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	13574	1.20	ug/l	0.00
Spiked Amount 1.000			Recovery	=	120.00%	

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Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	131429	8.782	ug/l 100
3) Chloromethane	1.32	50	142066	8.038	ug/l 100
4) Vinyl Chloride	1.39	62	160386	9.325	ug/l 100
5) Bromomethane	1.62	94	97391	11.158	ug/l 100
6) Chloroethane	1.69	64	121446	12.022	ug/l 100
7) Trichlorofluoromethane	1.87	101	219337	10.845	ug/l 100
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	111038	11.087	ug/l 100
9) 1,1-Dichloroethene	2.27	96	110719	11.119	ug/l 100
10) Iodomethane	2.40	142	160030	14.054	ug/l 100
11) Allyl Chloride	2.57	41	184081	8.847	ug/l 100
12) Acrylonitrile	2.93	53	59698	20.061	ug/l 100
13) Acetone	2.33	43	123478	46.096	ug/l 100
14) Carbon Disulfide	2.46	76	417047	10.948	ug/l 100
15) Methylene Chloride	2.68	84	134566	10.641	ug/l 100
16) trans-1,2-Dichloroethene	2.96	96	128326	11.465	ug/l 100
17) 1,1-Dichloroethane	3.42	63	174146	7.982	ug/l 100
18) 2-Butanone	4.26	43	138166	41.424	ug/l 100
19) Cyclohexane	4.96	56	143712m	8.652	ug/l 100
20) Methylcyclohexane	6.39	83	150063	10.900	ug/l 100
21) 2,2-Dichloropropane	4.20	77	141224	8.731	ug/l 100
22) cis-1,2-Dichloroethene	4.20	96	103953	9.147	ug/l 100
23) Diethyl Ether	2.09	59	98446	10.490	ug/l 100
24) tert-Butyl Alcohol	2.87	59	128096	125.617	ug/l 100
25) Methyl tert-Butyl Ether	2.98	73	327639	11.334	ug/l 100
26) Bromochloromethane	4.52	128	44873	9.296	ug/l 100
27) Chloroform	4.65	83	186518	9.054	ug/l 100
28) 1,1,1-Trichloroethane	4.89	97	159775	9.173	ug/l 100
29) 1,1-Dichloropropene	5.11	75	138246	9.884	ug/l 100
30) Carbon Tetrachloride	5.11	117	140729	9.438	ug/l 100
31) Isopropyl Ether	3.56	45	233884	7.330	ug/l 100
32) Ethyl-t-butyl ether	4.05	59	230462	8.728	ug/l 100
33) Tert-Amyl methyl ether	5.56	73	221595	10.335	ug/l 100
34) Propionitrile	4.33	54	42100	46.319	ug/l 100
35) Benzene	5.36	78	395484	9.261	ug/l 100
36) 1,2-Dichloroethane	5.38	62	128134	9.143	ug/l 100
37) Trichloroethene	6.16	130	102999	9.705	ug/l 100
38) 1,2-Dichloropropane	6.41	63	107217	8.910	ug/l 100
39) Methacrylonitrile	4.53	41	31594	8.495	ug/l 100
40) Methyl acrylate	4.41	55	51503	10.437	ug/l 100
41) Tetrahydrofuran	4.64	42	33345	16.236	ug/l 100
42) 1-Chlorobutane	5.04	56	187440	8.971	ug/l 100

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Manual Integrations
 APPROVED

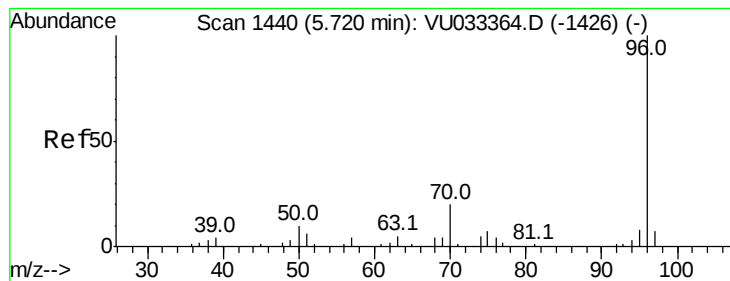
Quant Time: Jul 23 02:23:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 23 01:45:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	59249	9.797	ug/l	100
44) Bromodichloromethane	6.74	83	140414	9.425	ug/l	100
45) 4-Methyl-2-Pentanone	7.45	43	336571	47.876	ug/l	100
46) t-1,4-Dichloro-2-butene	10.50	75	56470m	24.800	ug/l	100
47) Methyl methacrylate	6.61	69	102630	22.206	ug/l	100
48) Ethyl methacrylate	8.00	69	90892	11.297	ug/l	100
49) Toluene	7.62	92	245266	10.888	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	127015	10.760	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	145039	10.172	ug/l	100
52) 1,1,2-Trichloroethane	8.05	97	79711	10.048	ug/l	100
53) 1,3-Dichloropropane	8.22	76	136093	9.904	ug/l	100
54) 2-Hexanone	8.35	43	239271	50.239	ug/l	100
55) Dibromochloromethane	8.46	129	95429	10.632	ug/l	100
56) 1,2-Dibromoethane	8.57	107	75455	10.605	ug/l	100
58) Tetrachloroethene	8.21	164	94498	9.287	ug/l	100
59) Chlorobenzene	9.10	112	268098	11.172	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.19	131	95606	10.282	ug/l	100
61) Pentachloroethane	11.09	117	77475	11.399	ug/l	100
62) Hexachloroethane	12.13	117	77520	11.674	ug/l	100
63) Ethyl Benzene	9.23	91	464963	11.904	ug/l	100
64) m/p-Xylenes	9.36	106	372116	25.237	ug/l	100
65) o-Xylene	9.76	106	176520	12.287	ug/l	100
66) Styrene	9.77	104	312722	13.096	ug/l	100
67) Bromoform	9.94	173	52890	10.548	ug/l	100
69) Isopropylbenzene	10.15	105	455901	12.178	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	105060	10.254	ug/l	100
71) 1,2,3-Trichloropropane	10.48	75	77874m	10.411	ug/l	100
72) Bromobenzene	10.44	156	113146	11.841	ug/l	100
73) n-propylbenzene	10.57	120	132784	13.495	ug/l	100
74) 2-Chlorotoluene	10.65	126	116863	12.517	ug/l	100
75) 1,3,5-Trimethylbenzene	10.76	105	422819	13.133	ug/l	100
76) 4-Chlorotoluene	10.76	126	122072	13.297	ug/l	100
77) tert-Butylbenzene	11.09	119	380398	12.572	ug/l	100
78) 1,2,4-Trimethylbenzene	11.13	105	435239	13.335	ug/l	100
79) sec-Butylbenzene	11.31	105	536797	12.996	ug/l	100
80) Nitrobenzene	12.85	77	17070	66.971	ug/l	100
81) p-Isopropyltoluene	11.46	119	449172	13.754	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	235110	12.292	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	238162	12.909	ug/l	100
84) n-Butylbenzene	11.87	91	446727	14.133	ug/l	100
85) 1,2-Dichlorobenzene	11.86	146	220073	12.073	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.64	75	17227	11.549	ug/l	100
87) 1,2,4-Trichlorobenzene	13.49	180	142061	15.028	ug/l	100
88) Hexachlorobutadiene	13.68	225	77119	11.613	ug/l	100
89) Naphthalene	13.73	128	280105	16.894	ug/l	100
90) 1,2,3-Trichlorobenzene	13.97	180	137161	14.262	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 96 Resp: 33540

Ion Ratio Lower Upper

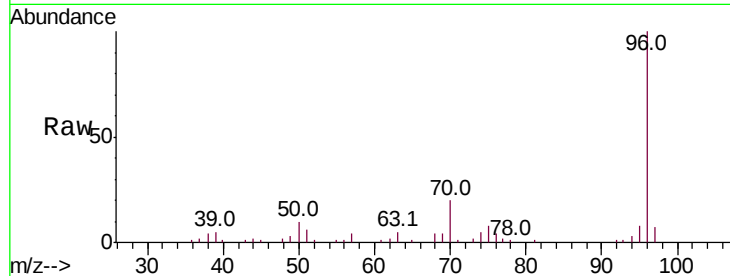
96 100

70 20.5 16.4 24.6

95 8.4 6.7 10.1

97 0.0 0.0 0.0

Manual Integrations
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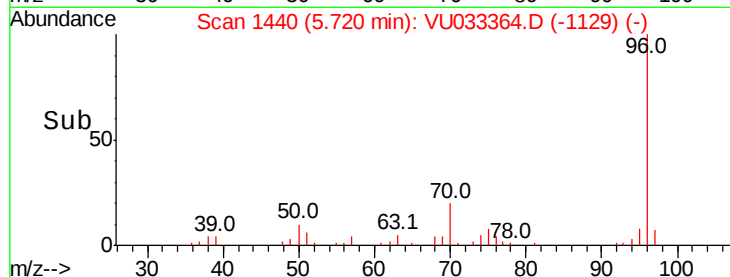
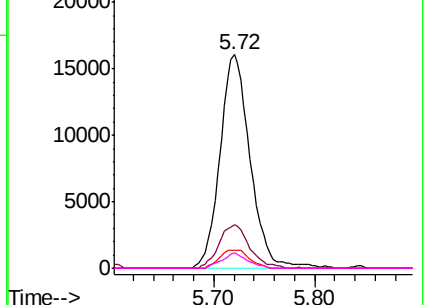


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

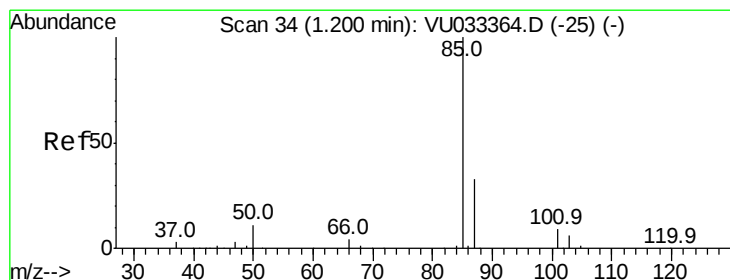
Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



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#2

Dichlorodifluoromethane

Concen: 8.782 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033364.D

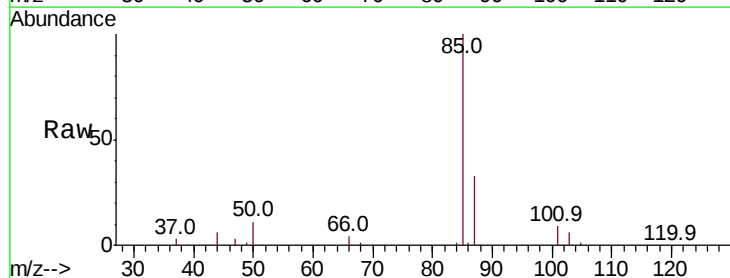
Acq: 22 Jul 2019 21:00

Tgt Ion: 85 Resp: 131429

Ion Ratio Lower Upper

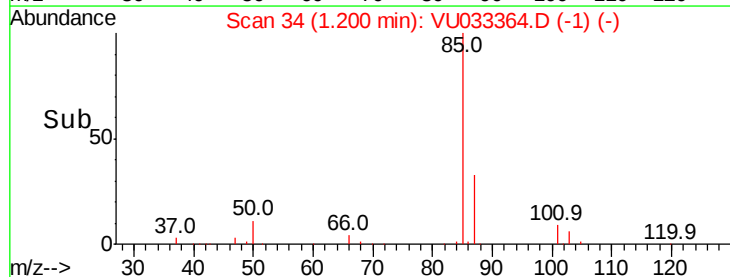
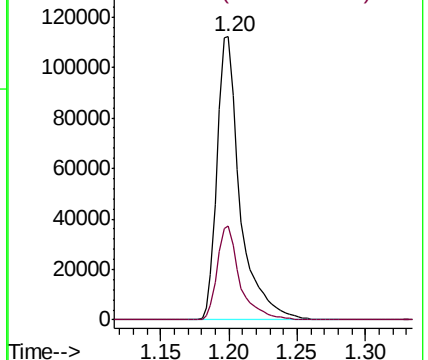
85 100

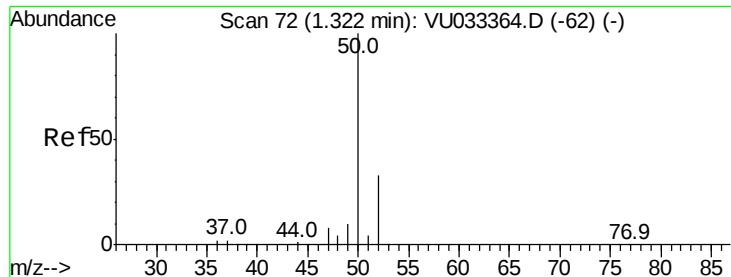
87 33.1 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 8.038 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

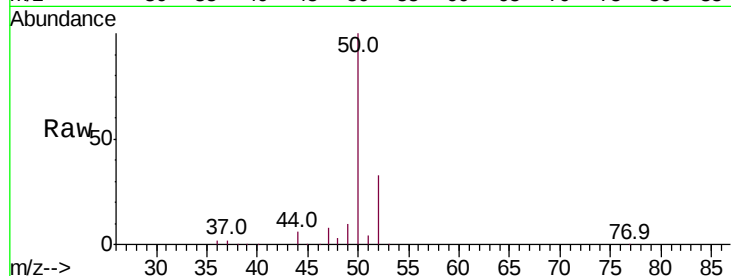
Tot Ion: 50 Resp: 142066

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1

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Abundance Ion 50.00 (49.70 to 50.70): VU033364.D (-62) (-)

Ion 52.00 (51.70 to 52.70): VU033364.D (-62) (-)

1.32

100000

50000

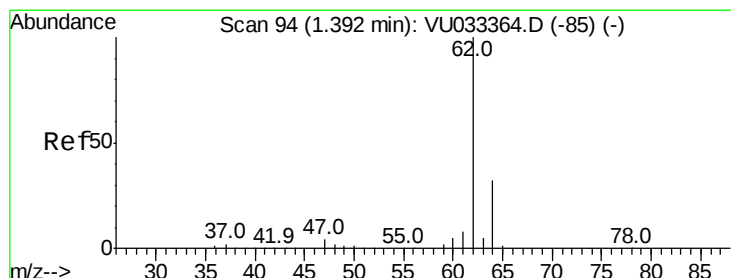
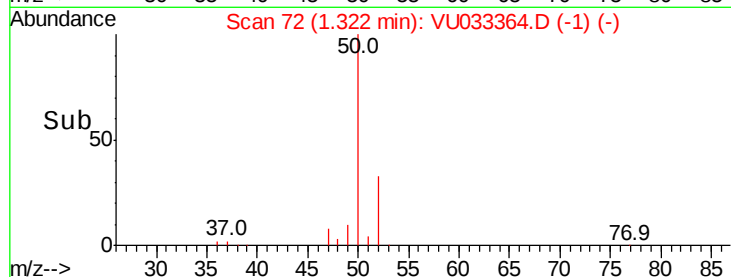
0

1.25 1.30 1.35 1.40

Time-->

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#4

Vinyl Chloride

Concen: 9.325 ug/l

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033364.D

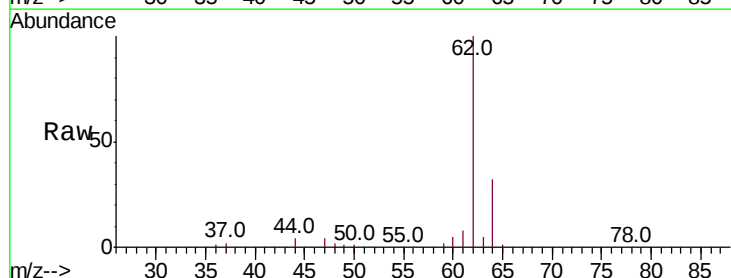
Acq: 22 Jul 2019 21:00

Tgt Ion: 62 Resp: 160386

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VU033364.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU033364.D (-85) (-)

1.39

150000

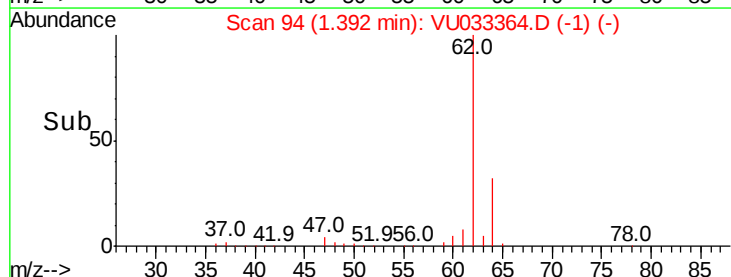
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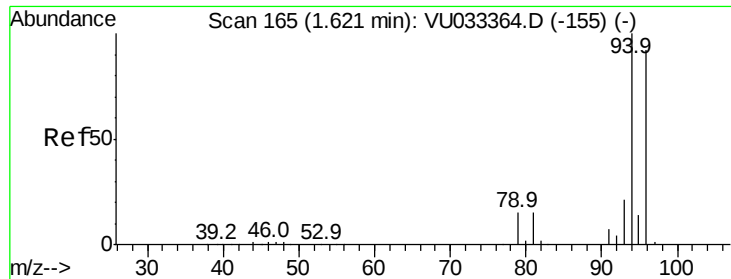
50000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 11.158 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

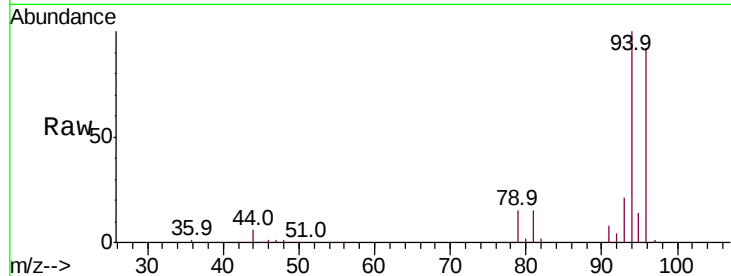
Tot Ion: 94 Resp: 97391

Ion Ratio Lower Upper

94 100

96 91.5 73.2 109.8

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VU033364.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU033364.D (-155) (-)

1.62

80000

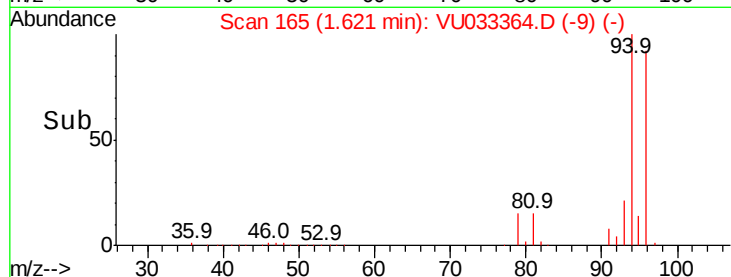
60000

40000

20000

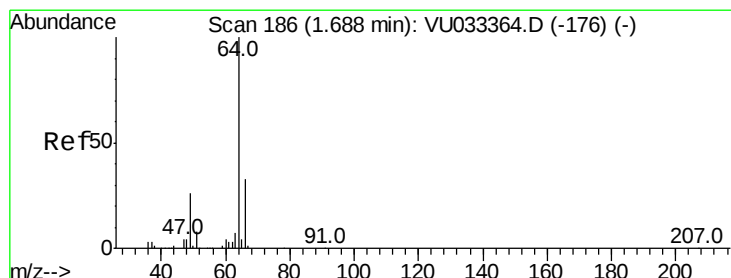
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Time--> 1.55 1.60 1.65 1.70



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#6

Chloroethane

Concen: 12.022 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033364.D

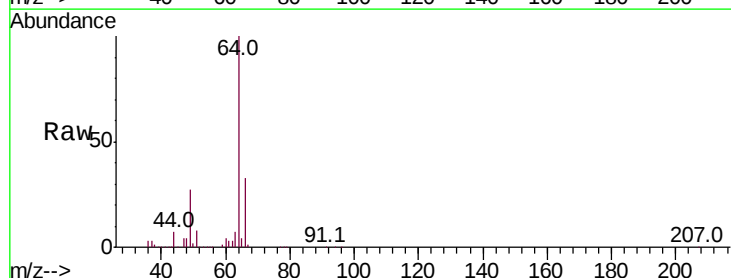
Acq: 22 Jul 2019 21:00

Tgt Ion: 64 Resp: 121446

Ion Ratio Lower Upper

64 100

66 33.0 26.4 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU033364.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033364.D (-176) (-)

1.69

100000

80000

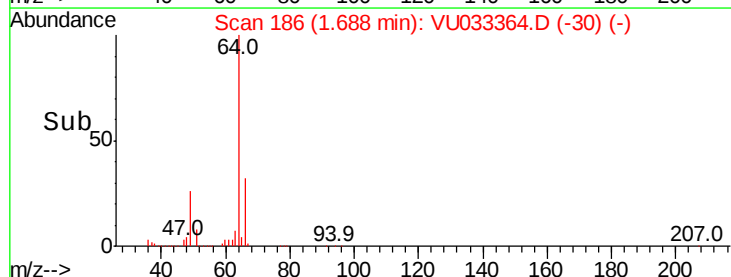
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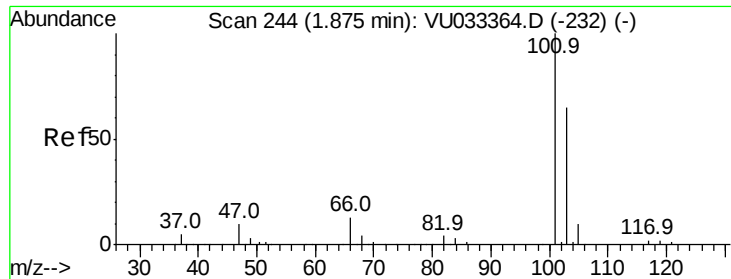
40000

20000

0

Time--> 1.60 1.65 1.70 1.75 1.80





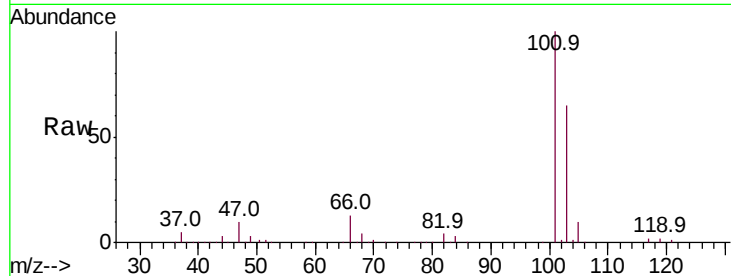
#7

Trichlorofluoromethane
Concen: 10.845 ug/l
RT: 1.87 min Scan# 244
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

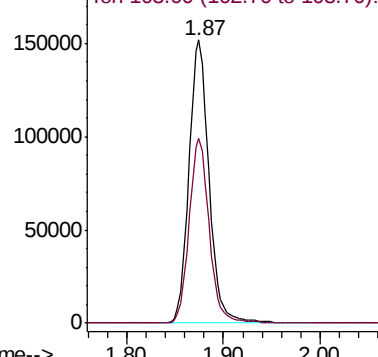
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2

Manual Integrations
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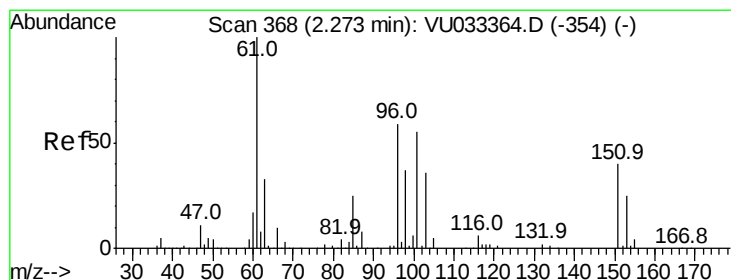
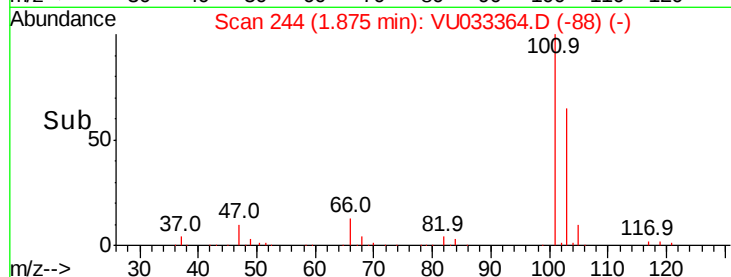


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



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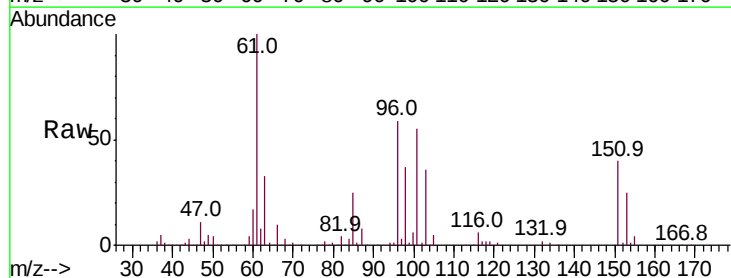
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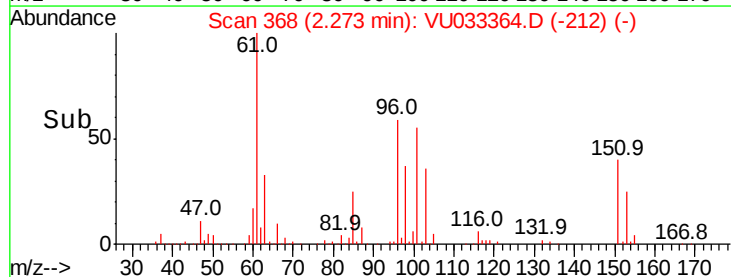
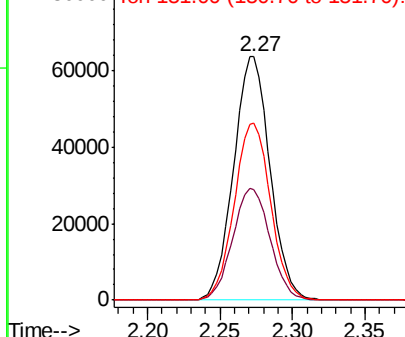
#8

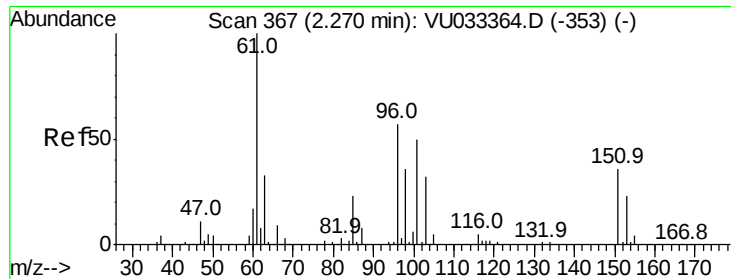
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 11.087 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.9	37.5	56.3
151	72.9	58.3	87.5



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





#9

1,1-Dichloroethene

Concen: 11.119 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

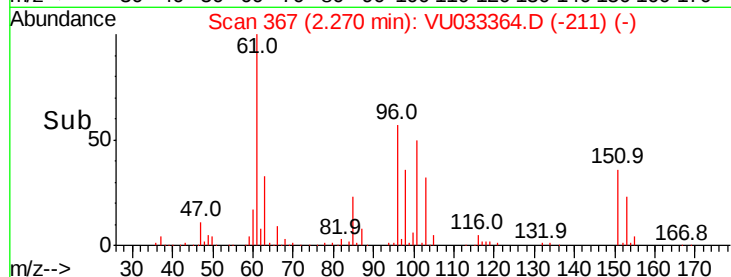
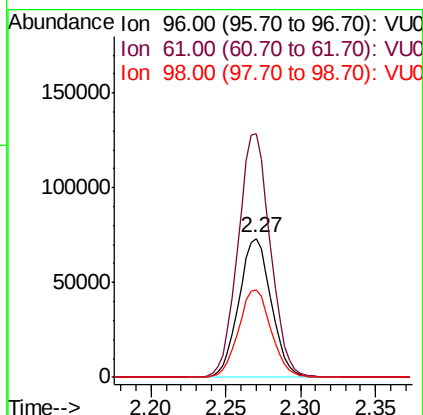
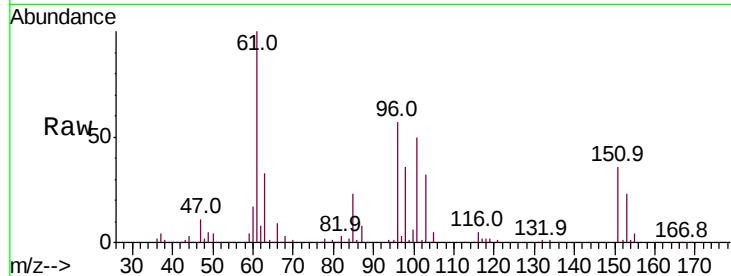
MSVOA_U

ClientSampleId :

VSTDICCC010

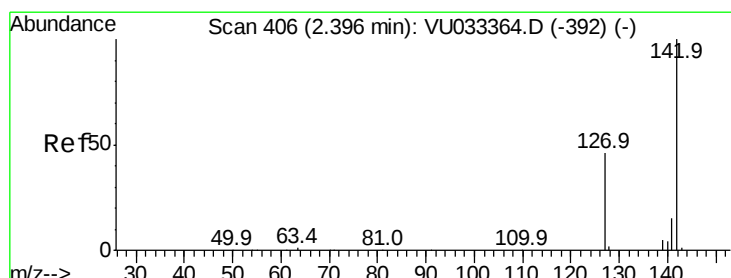
Tot Ion:	96	Resp:	110719
Ion Ratio	Lower	Upper	
96	100		
61	175.2	0.0	525.6
98	63.2	0.0	126.4

Manual Integrations
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#10

Iodomethane

Concen: 14.054 ug/l

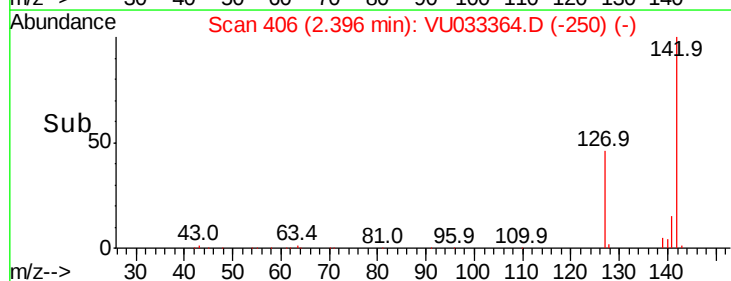
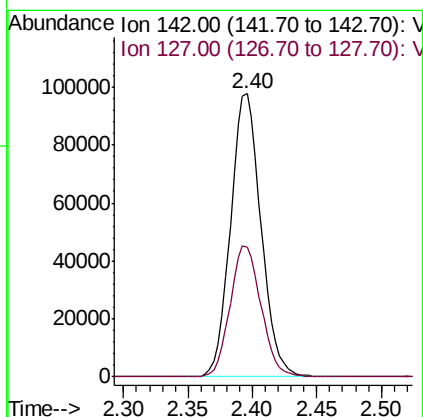
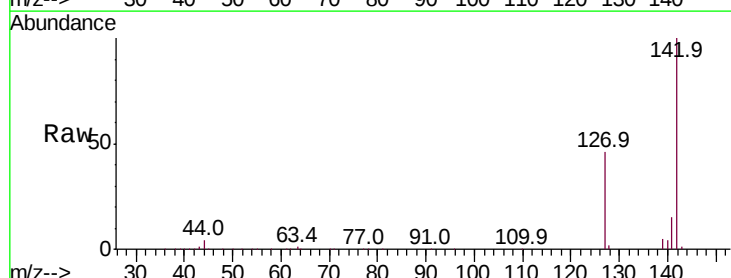
RT: 2.40 min Scan# 406

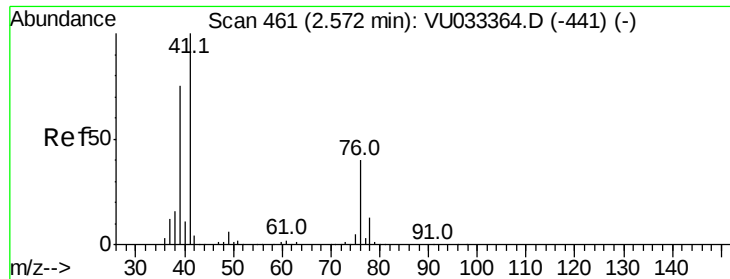
Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Tgt Ion:	142	Resp:	160030
Ion Ratio	Lower	Upper	
142	100		
127	47.2	37.8	56.6



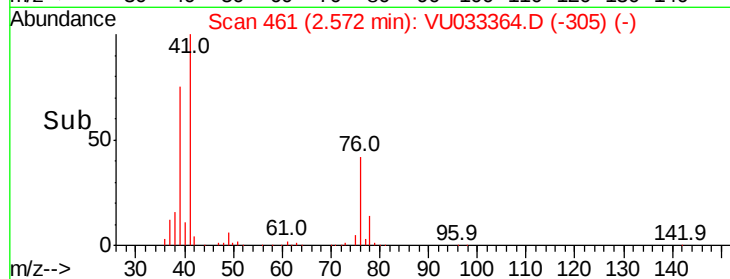
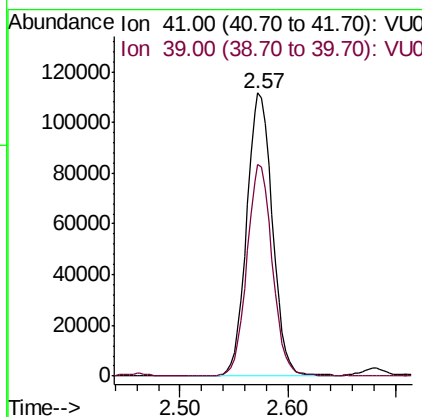
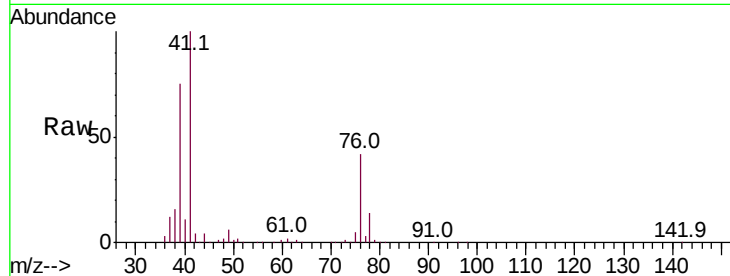


#11
Allvl Chloride
Concen: 8.847 ug/l
RT: 2.57 min Scan# 461
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

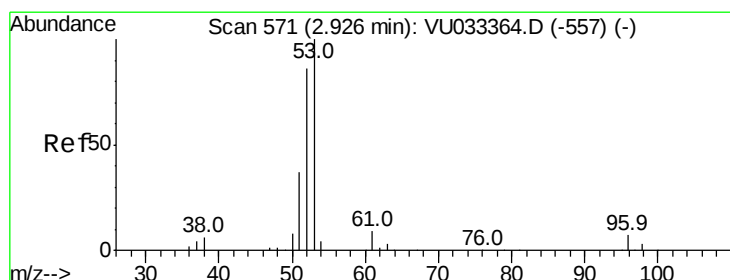
Tot Ion: 41 Resp: 184081
Ion Ratio Lower Upper
41 100
39 73.4 58.7 88.1

Manual Integrations
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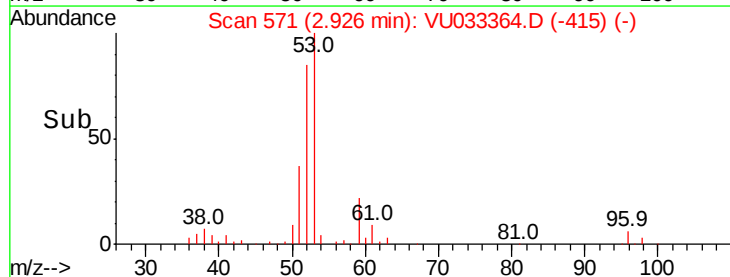
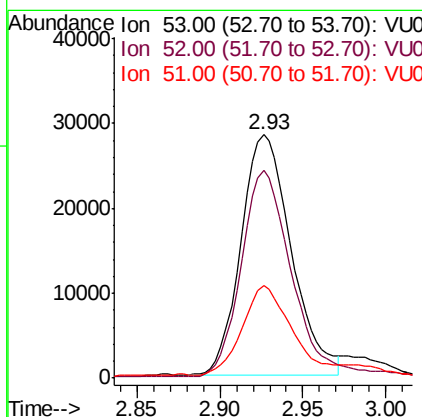
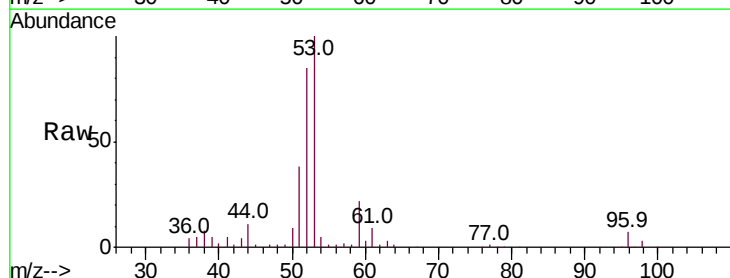
MMDadoda

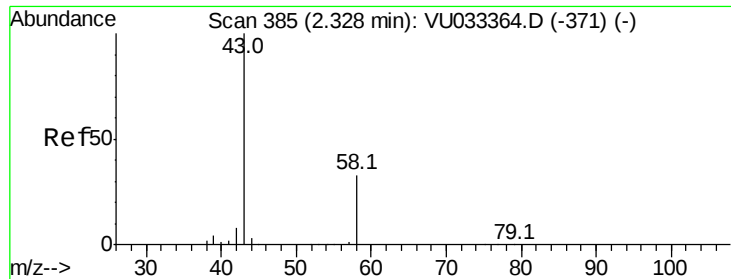
7/23/2019 8:55:10 AM



#12
Acrylonitrile
Concen: 20.061 ug/l
RT: 2.93 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion: 53 Resp: 59698
Ion Ratio Lower Upper
53 100
52 87.3 69.8 104.8
51 36.4 29.1 43.7





#13

Acetone

Concen: 46.096 ug/l

RT: 2.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

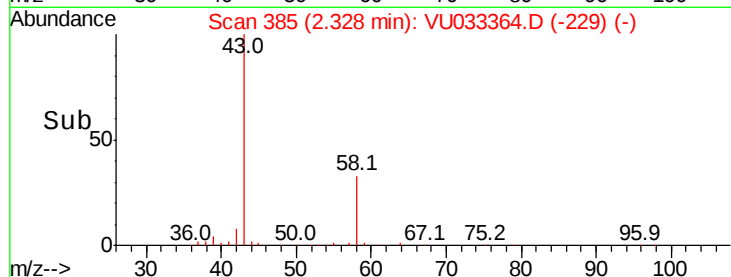
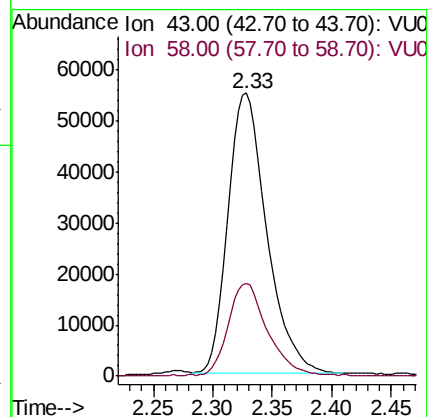
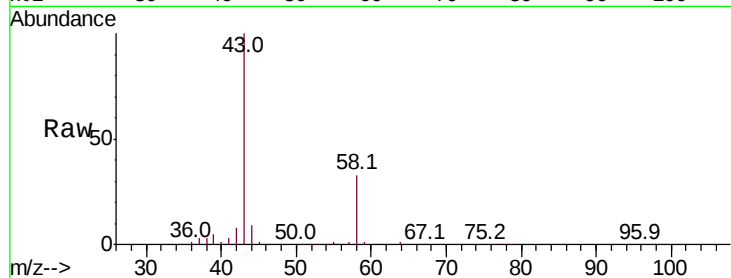
Tot Ion: 43 Resp: 123478

Ion Ratio Lower Upper

43 100

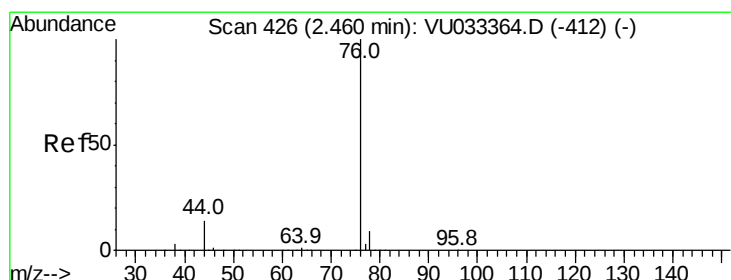
58 32.9 26.3 39.5

Manual Integrations
APPROVED



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#14

Carbon Disulfide

Concen: 10.948 ug/l

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033364.D

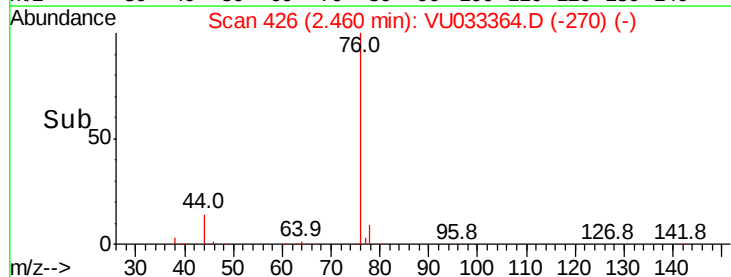
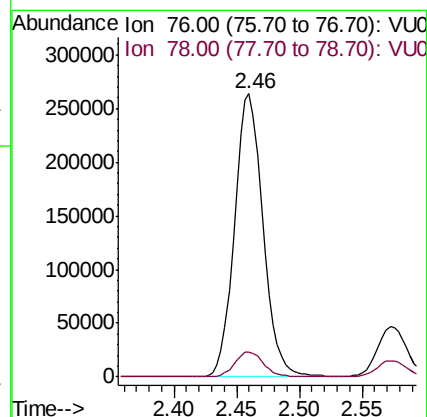
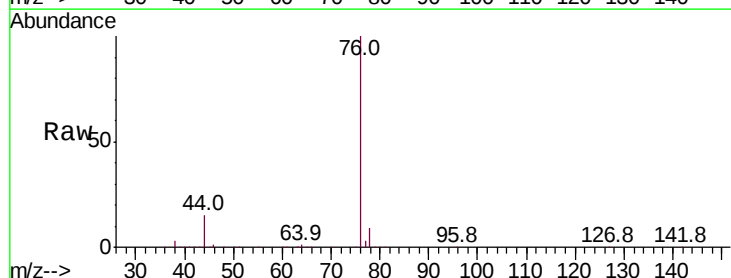
Acq: 22 Jul 2019 21:00

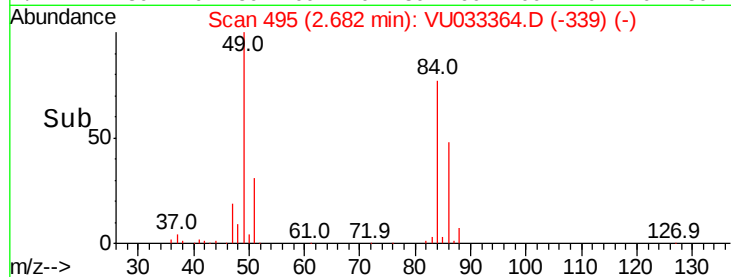
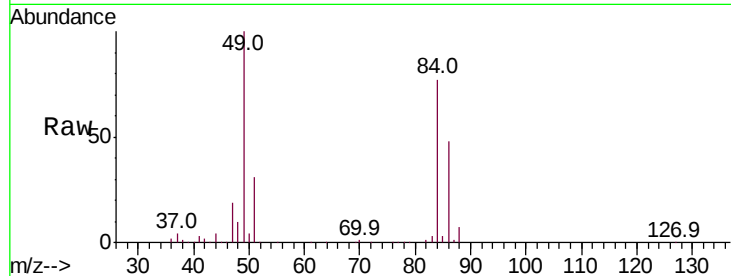
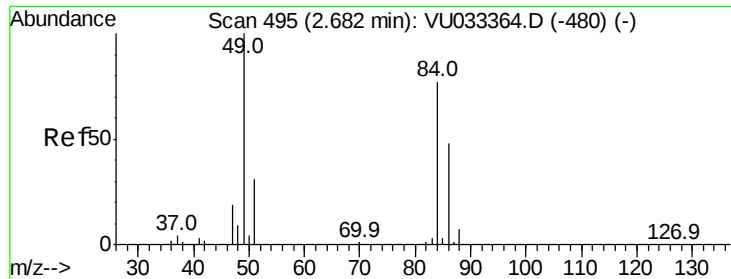
Tgt Ion: 76 Resp: 417047

Ion Ratio Lower Upper

76 100

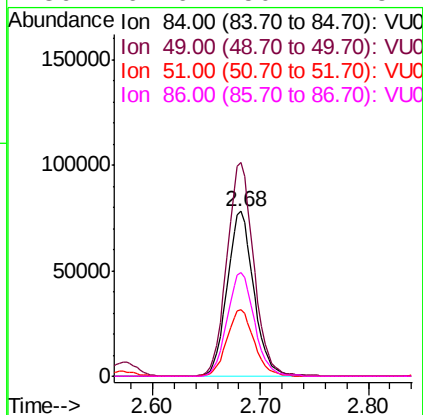
78 8.9 7.1 10.7





#15
Methvlene Chloride
Concen: 10.641 ug/l
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tot Ion	84	Resp	134566
Ion Ratio	Lower	Upper	
84	100		
49	129.4	103.5	155.3
51	40.2	0.0	80.4
86	62.6	50.1	75.1

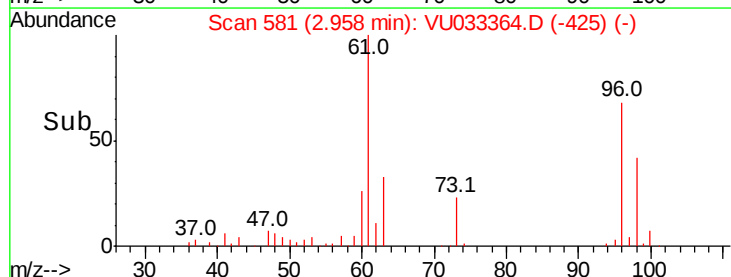
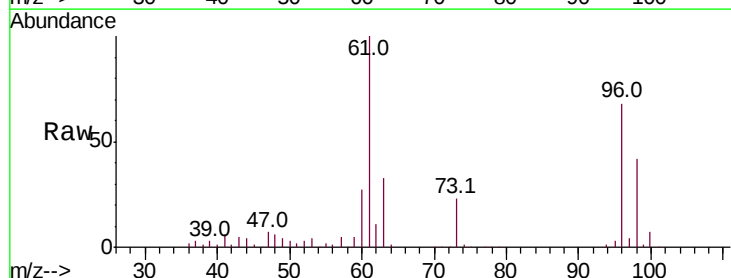
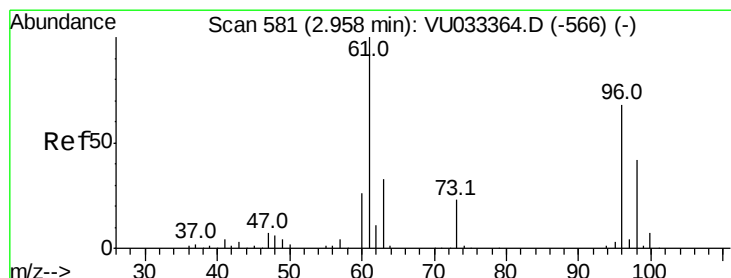


Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

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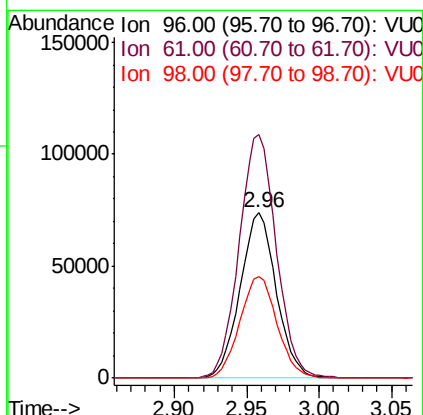
MMDadoda

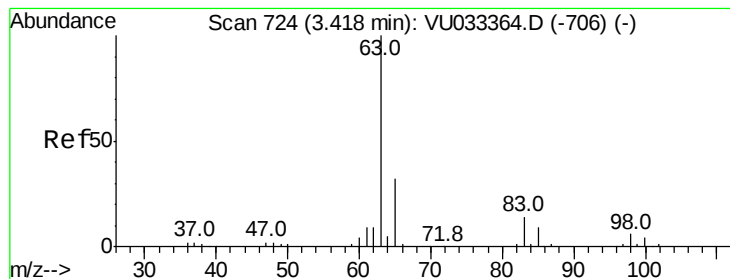
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#16
trans-1,2-Dichloroethene
Concen: 11.465 ug/l
RT: 2.96 min Scan# 581
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion	96	Resp	128326
Ion Ratio	Lower	Upper	
96	100		
61	147.5	118.0	177.0
98	61.8	49.4	74.2





#17

1,1-Dichloroethane

Concen: 7.982 ug/l

RT: 3.42 min Scan# 724

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

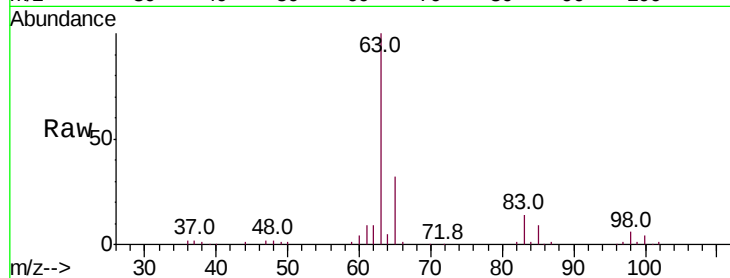
MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:	63	Resp:	174146
Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.2	9.6
100	4.1	2.1	6.2

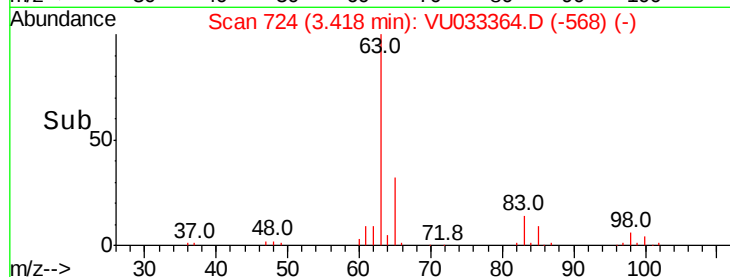
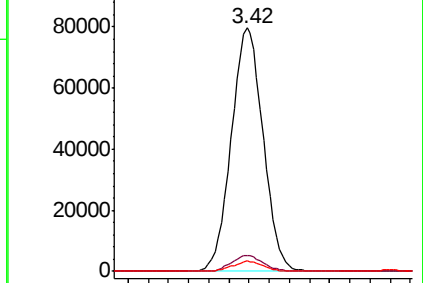
Manual Integrations
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Abundance Ion 63.00 (62.70 to 63.70): VU033364.D (-706) (-)

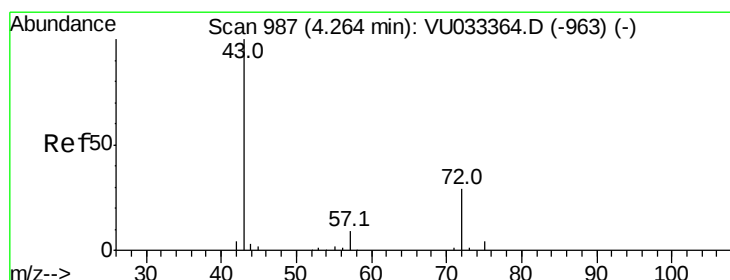
Ion 98.00 (97.70 to 98.70): VU033364.D (-706) (-)

Ion 100.00 (99.70 to 100.70): VU033364.D (-706) (-)



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#18

2-Butanone

Concen: 41.424 ug/l

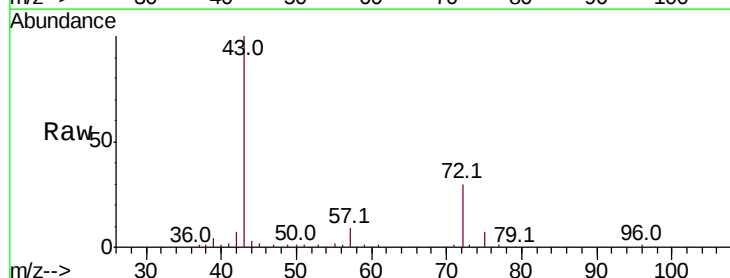
RT: 4.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VU033364.D

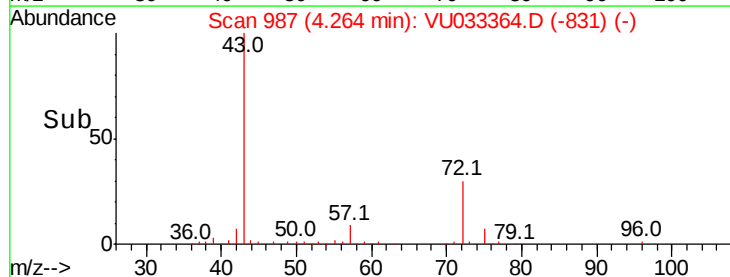
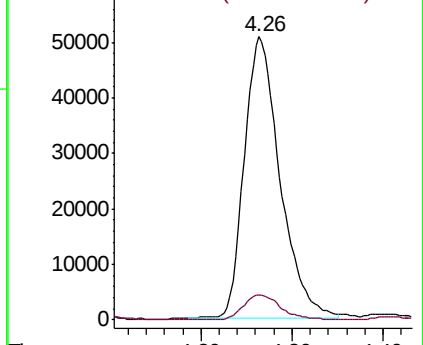
Acq: 22 Jul 2019 21:00

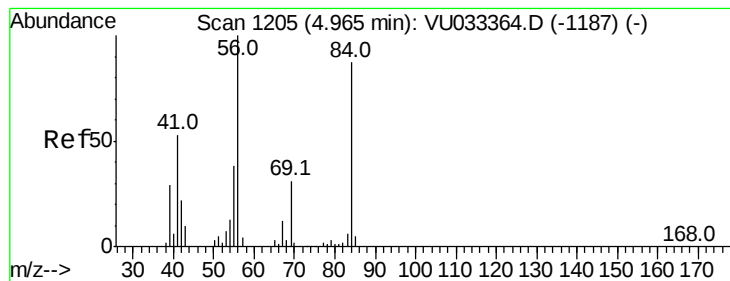
Tgt Ion:	43	Resp:	138166
Ion	Ratio	Lower	Upper
43	100		
57	8.5	0.0	17.0



Abundance Ion 43.00 (42.70 to 43.70): VU033364.D (-963) (-)

Ion 57.00 (56.70 to 57.70): VU033364.D (-963) (-)





#19

Cyclohexane

Concen: 8.652 ug/l m

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 56 Resp: 143712

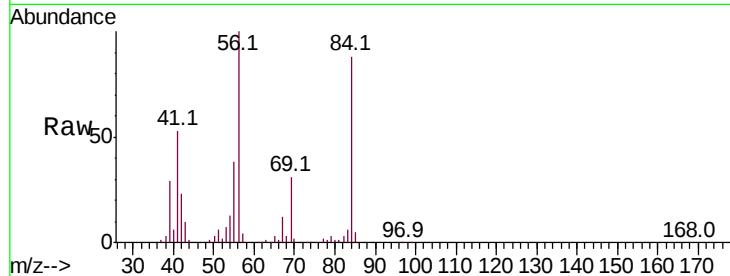
Ion Ratio Lower Upper

56 100

69 31.2 25.0 37.4

84 87.2 69.8 104.6

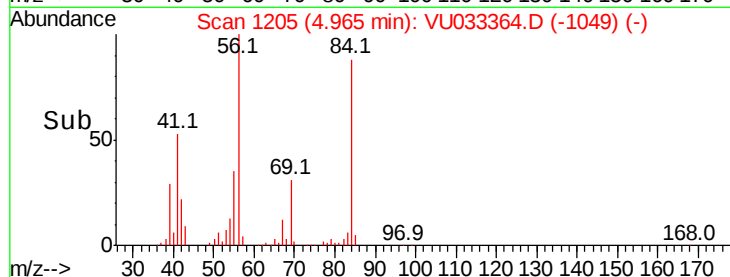
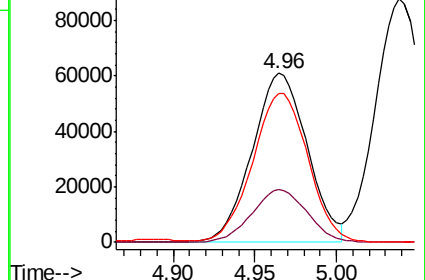
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VU033364.D (-1187) (-)

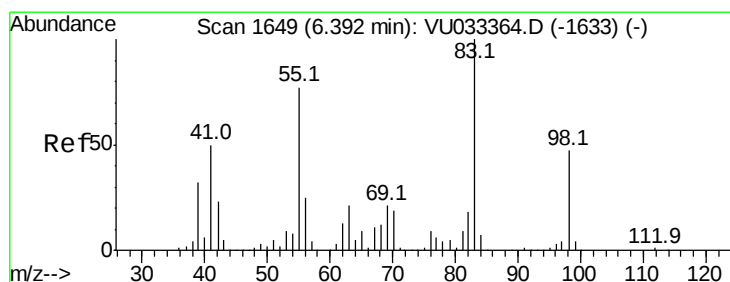
Ion 69.00 (68.70 to 69.70): VU033364.D (-1187) (-)

Ion 84.00 (83.70 to 84.70): VU033364.D (-1187) (-)



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#20

Methylcyclohexane

Concen: 10.900 ug/l

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

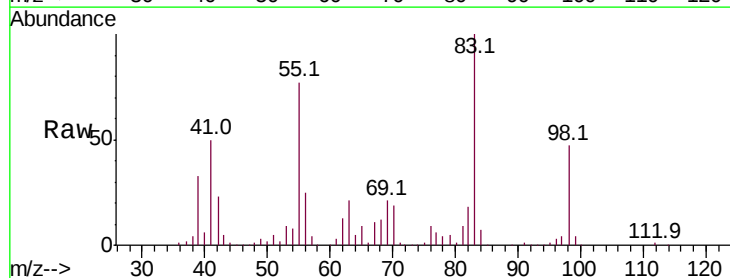
Tgt Ion: 83 Resp: 150063

Ion Ratio Lower Upper

83 100

55 77.9 62.3 93.5

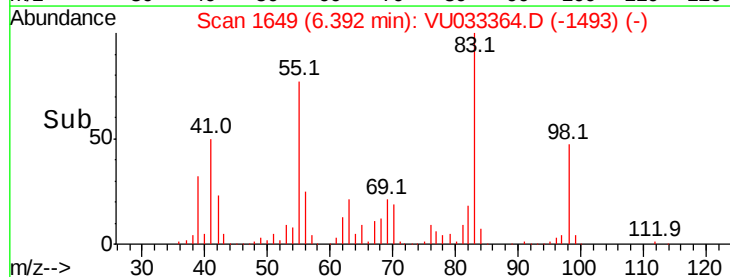
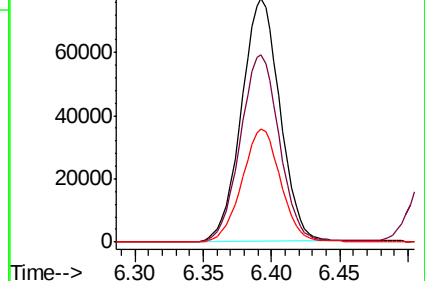
98 46.7 37.4 56.0

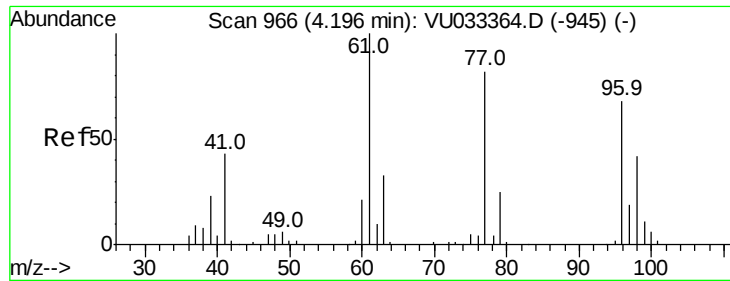


Abundance Ion 83.00 (82.70 to 83.70): VU033364.D (-1633) (-)

Ion 55.00 (54.70 to 55.70): VU033364.D (-1633) (-)

Ion 98.00 (97.70 to 98.70): VU033364.D (-1633) (-)



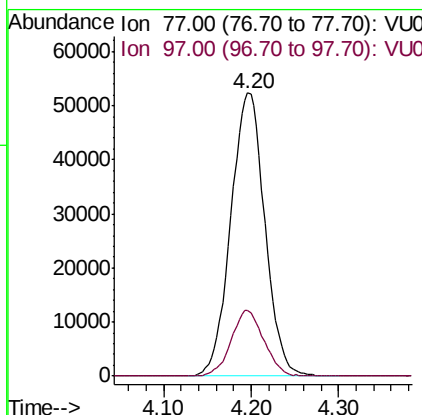
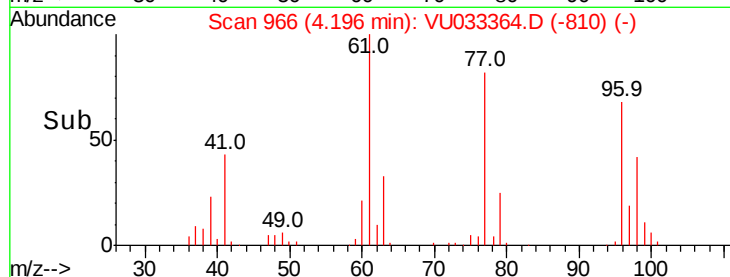
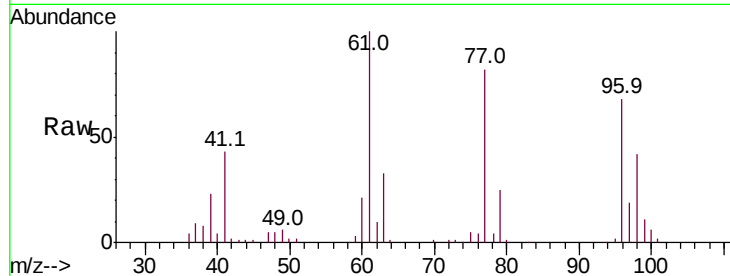


#21
 2,2-Dichloropropane
 Concen: 8.731 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

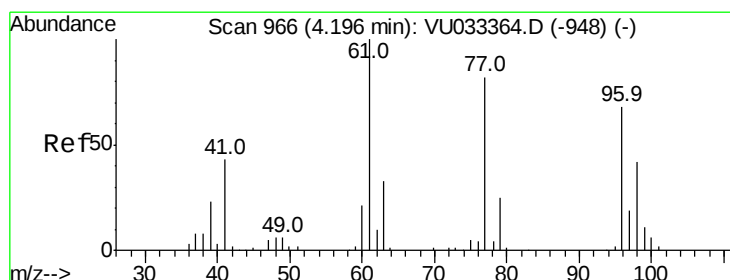
Tot Ion: 77 Resp: 141224
 Ion Ratio Lower Upper
 77 100
 97 22.3 17.8 26.8

Manual Integrations
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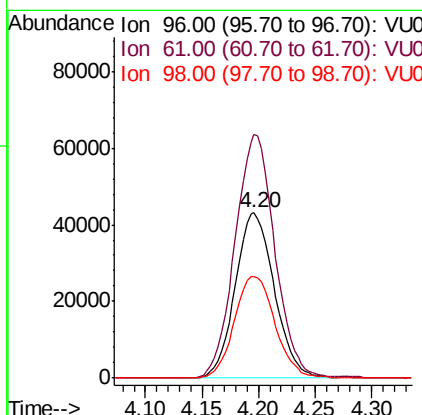
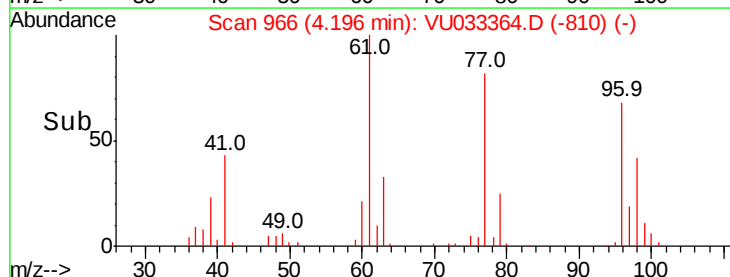
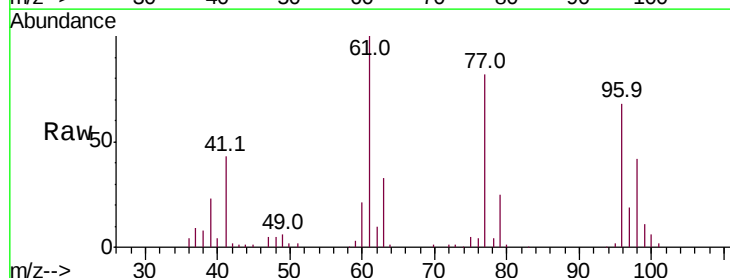
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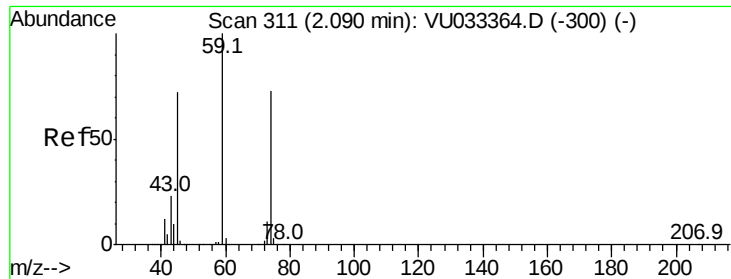
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#22
 cis-1,2-Dichloroethene
 Concen: 9.147 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Tgt Ion: 96 Resp: 103953
 Ion Ratio Lower Upper
 96 100
 61 150.5 0.0 376.3
 98 63.9 31.9 95.9



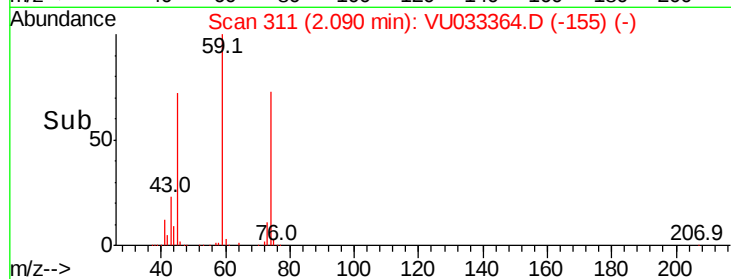
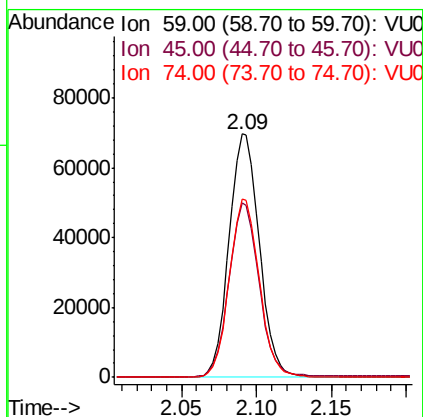
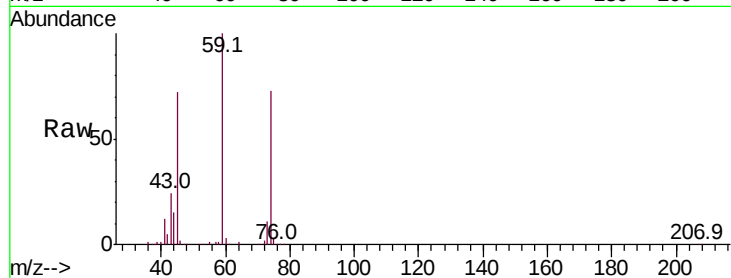


#23
Diethyl Ether
Concen: 10.490 ug/l
RT: 2.09 min Scan# 311
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

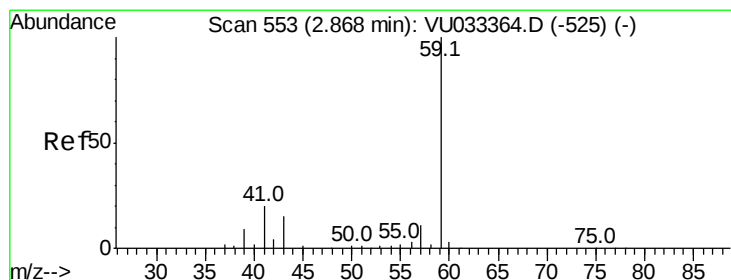
Tot Ion	Ion	Ratio	Lower	Upper
59	100			
45	72.0	57.6	86.4	
74	72.2	57.8	86.6	

Manual Integrations
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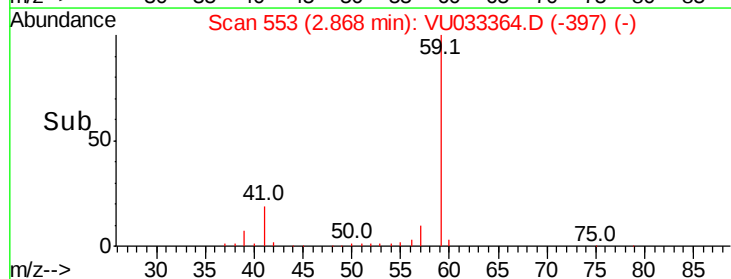
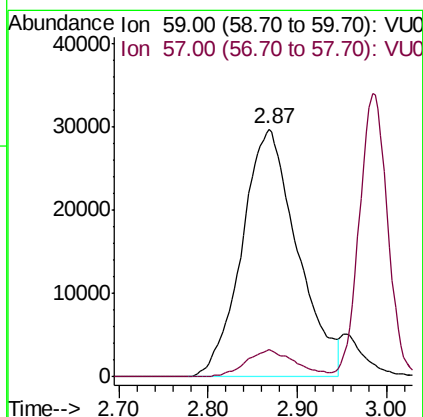
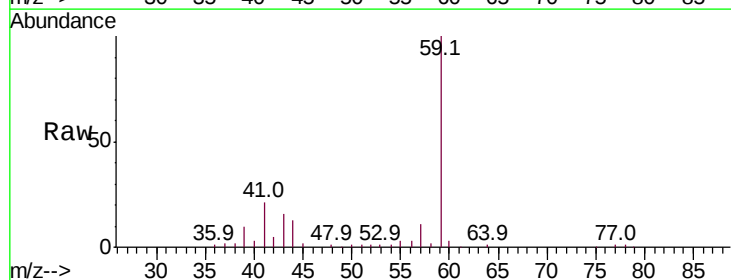
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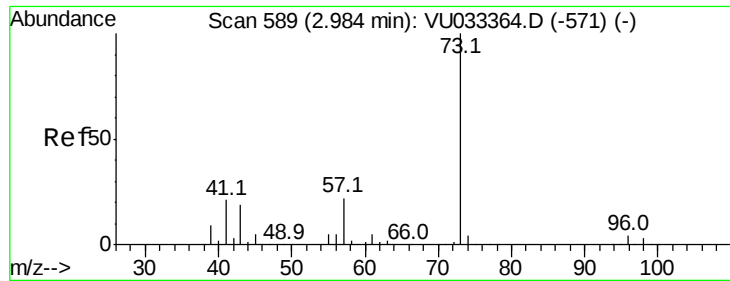
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#24
tert-Butyl Alcohol
Concen: 125.617 ug/l
RT: 2.87 min Scan# 553
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion	Ion	Ratio	Lower	Upper
59	100			
57	9.8	7.8	11.8	





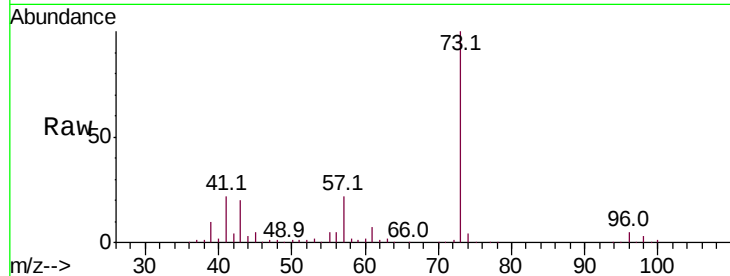
#25

Methvl tert-Butvl Ether
Concen: 11.334 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

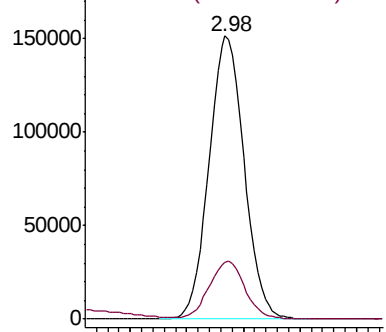
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 73 Resp: 327639
Ion Ratio Lower Upper
73 100
43 20.7 16.6 24.8

Manual Integrations
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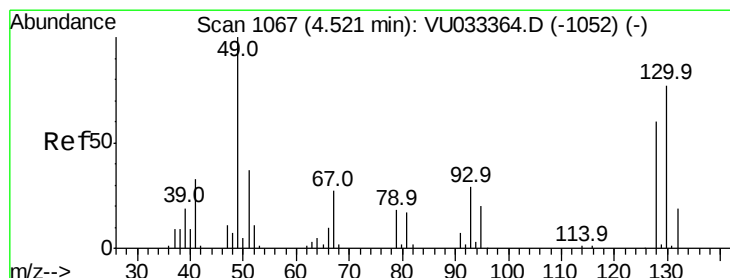
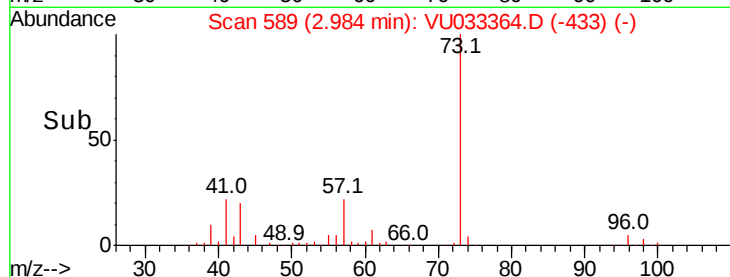


Abundance Ion 73.00 (72.70 to 73.70): VU033364.D (-571) (-)
Ion 43.00 (42.70 to 43.70): VU033364.D (-571) (-)



MMDadoda

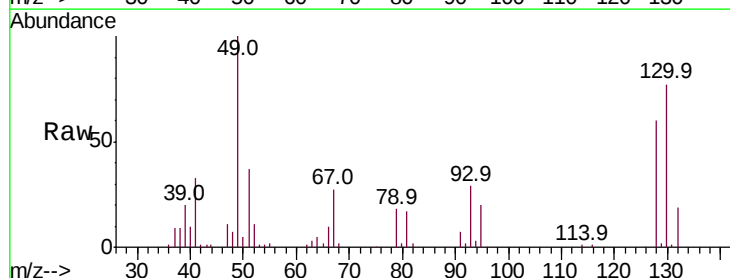
7/23/2019 8:55:10 AM



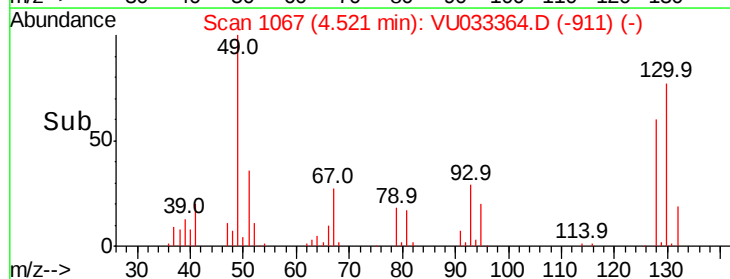
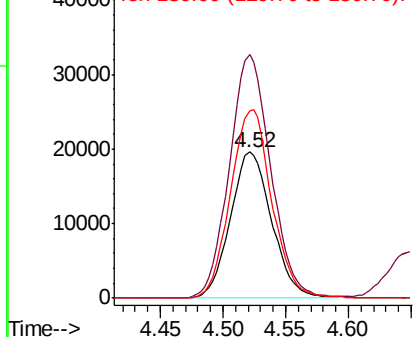
#26

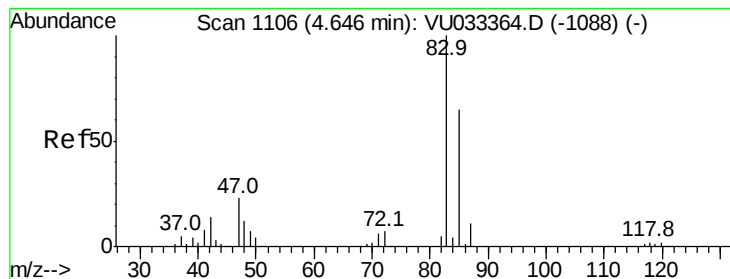
Bromochloromethane
Concen: 9.296 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion:128 Resp: 44873
Ion Ratio Lower Upper
128 100
49 166.7 0.0 333.4
130 129.3 103.4 155.2



Abundance Ion 128.00 (127.70 to 128.70): VU033364.D (-1052) (-)
Ion 49.00 (48.70 to 49.70): VU033364.D (-1052) (-)
Ion 130.00 (129.70 to 130.70): VU033364.D (-1052) (-)





#27

Chloroform

Concen: 9.054 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

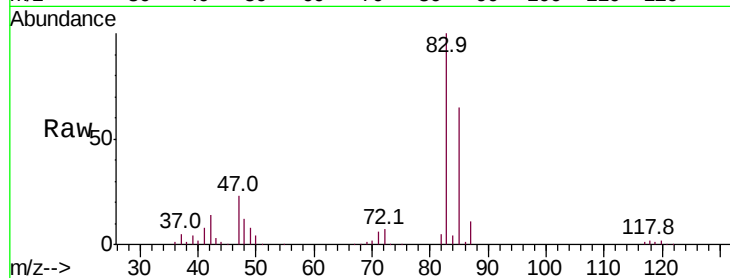
Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

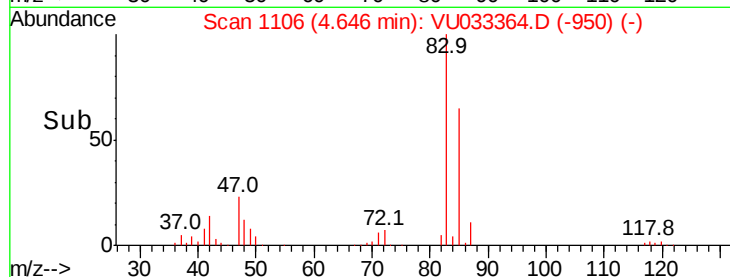
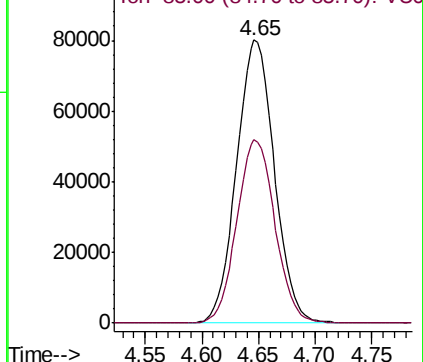
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	83	Resp	186518
Ion Ratio	100	Lower	Upper
85	64.9	0.0	129.8

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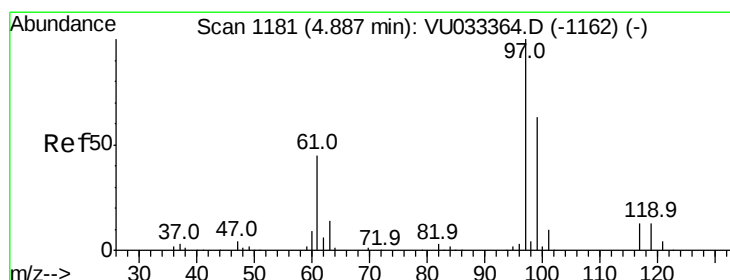


Abundance Ion 83.00 (82.70 to 83.70): VU033364.D (-1088) (-)



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#28

1,1,1-Trichloroethane

Concen: 9.173 ug/l

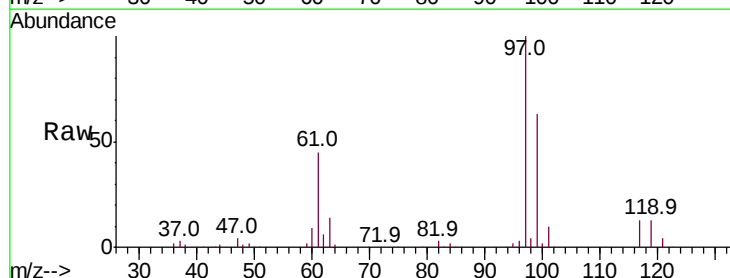
RT: 4.89 min Scan# 1181

Delta R.T. 0.00 min

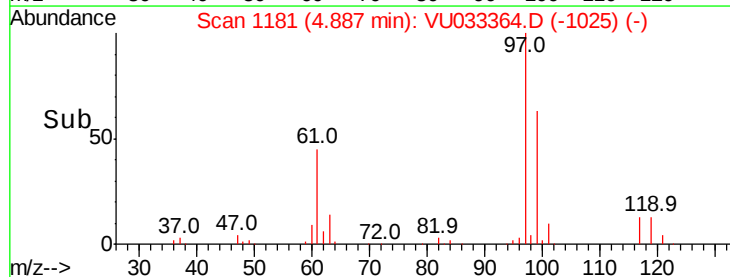
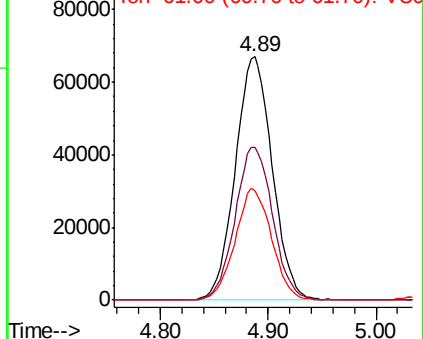
Lab File: VU033364.D

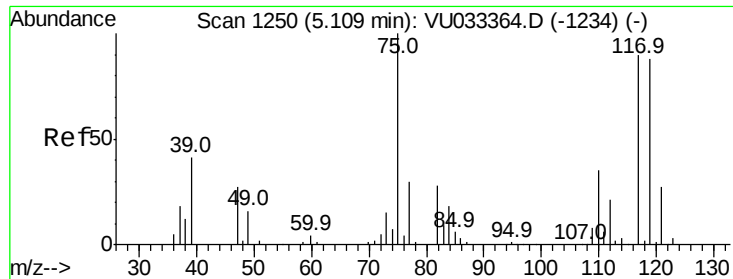
Acq: 22 Jul 2019 21:00

Tgt Ion	97	Resp	159775
Ion Ratio	100	Lower	Upper
99	63.7	31.9	95.5
61	45.3	22.7	68.0



Abundance Ion 97.00 (96.70 to 97.70): VU033364.D (-1162) (-)



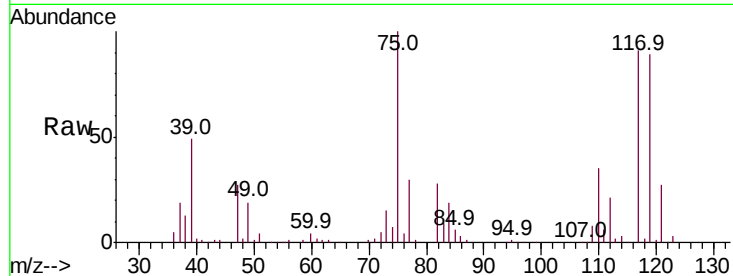


#29
 1,1-Dichloropropene
 Concen: 9.884 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

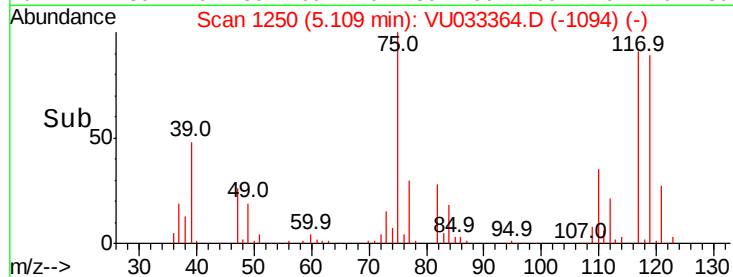
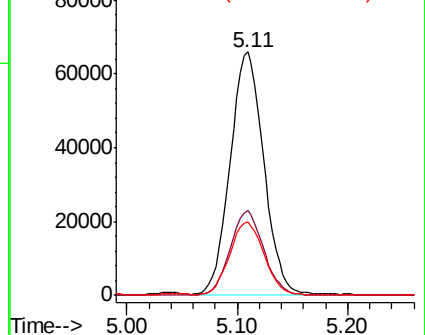
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.5	52.6
77	31.4	25.1	37.7

Manual Integrations
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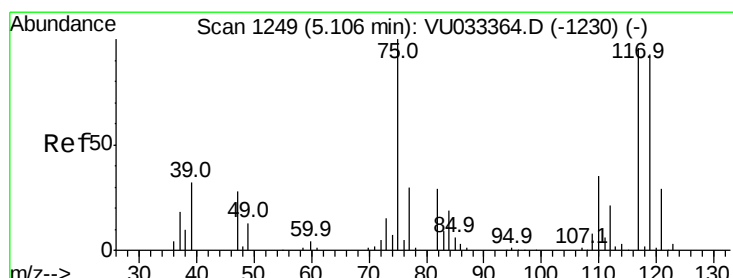


Abundance Ion 75.00 (74.70 to 75.70): VU033364.D (-1234) (-)



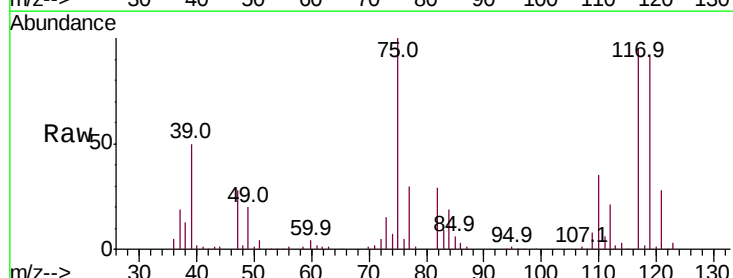
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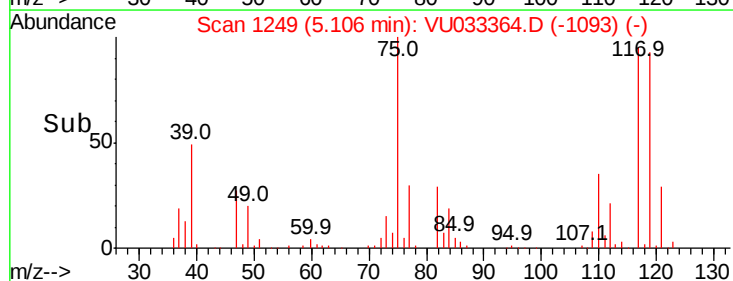
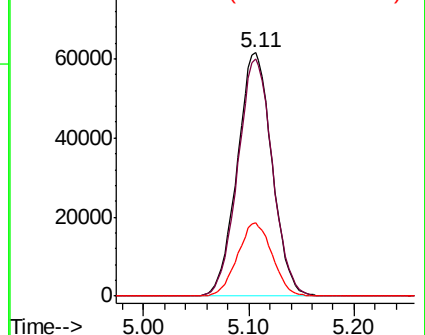


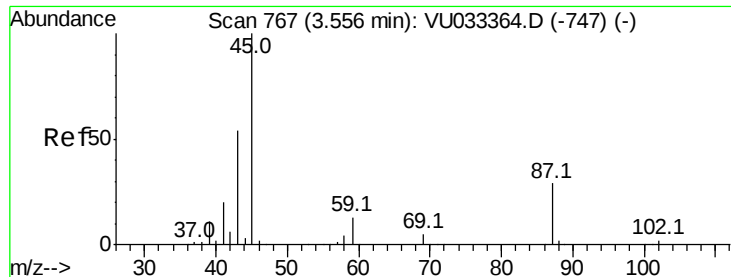
#30
 Carbon Tetrachloride
 Concen: 9.438 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.9	116.9
121	30.0	24.0	36.0



Abundance Ion 117.00 (116.70 to 117.70): VU033364.D (-1230) (-)





#31

Isopropyl Ether

Concen: 7.330 ug/l

RT: 3.56 min Scan# 767

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

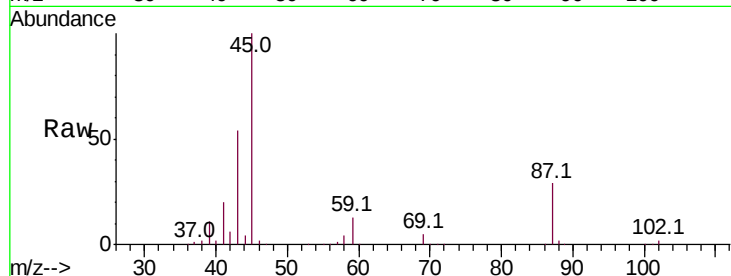
Tot Ion: 45 Resp: 233884

Ion Ratio Lower Upper

45 100

43 55.5 27.8 83.3

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Abundance Ion 45.00 (44.70 to 45.70): VU033364.D (-747) (-)

Ion 43.00 (42.70 to 43.70): VU033364.D (-747) (-)

3.56

100000

80000

60000

40000

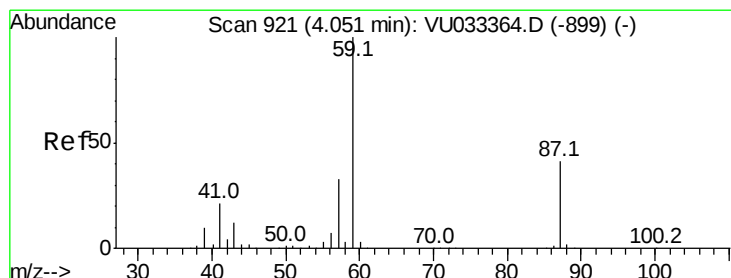
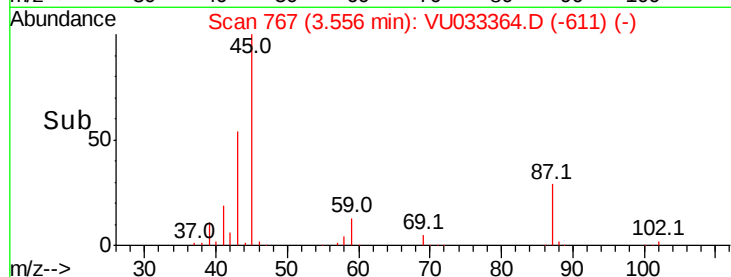
20000

0

Time-->

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#32

Ethyl-t-butyl ether

Concen: 8.728 ug/l

RT: 4.05 min Scan# 921

Delta R.T. 0.00 min

Lab File: VU033364.D

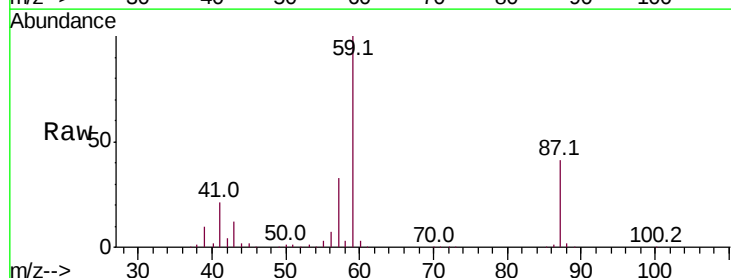
Acq: 22 Jul 2019 21:00

Tgt Ion: 59 Resp: 230462

Ion Ratio Lower Upper

59 100

87 42.2 33.8 50.6



Abundance Ion 59.00 (58.70 to 59.70): VU033364.D (-899) (-)

Ion 87.00 (86.70 to 87.70): VU033364.D (-899) (-)

4.05

100000

80000

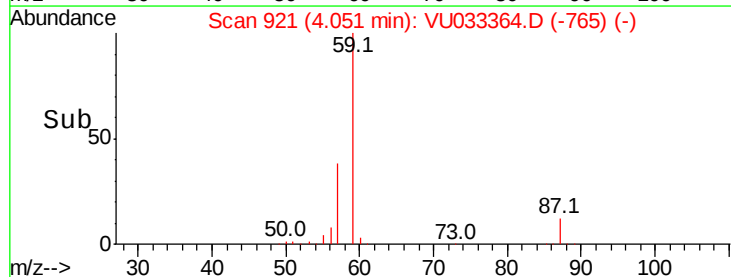
60000

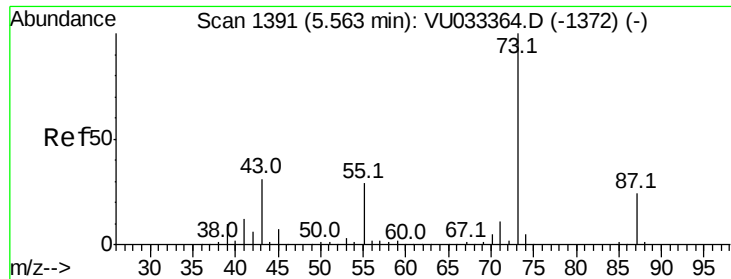
40000

20000

0

Time-->



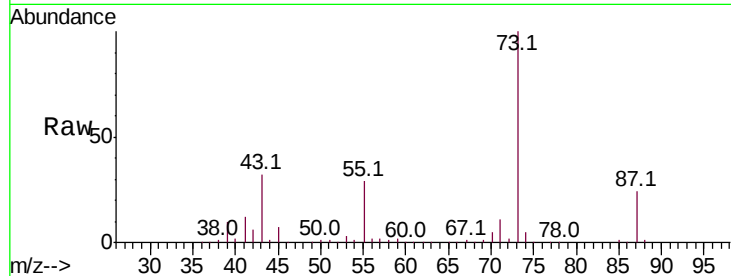


#33
Tert-Amvl methvl ether
Concen: 10.335 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

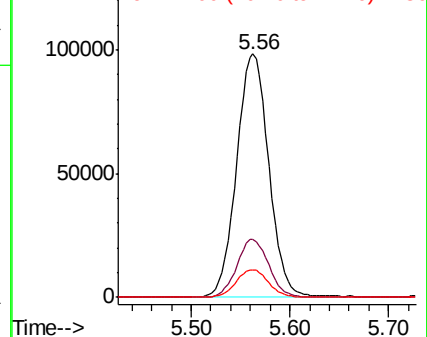
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.6	18.9	28.3
71	11.6	9.3	13.9

Manual Integrations
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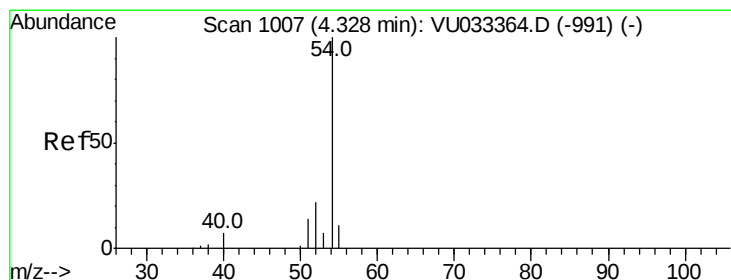
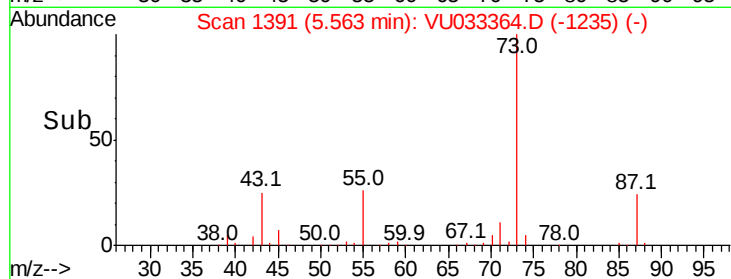


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



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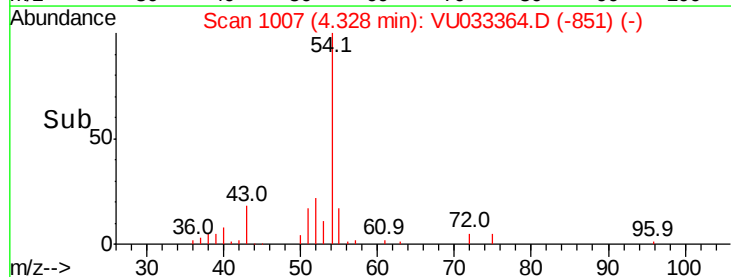
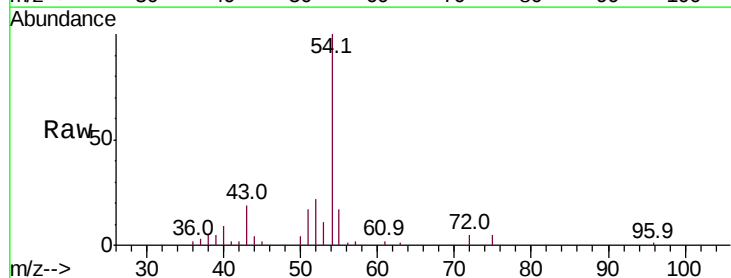
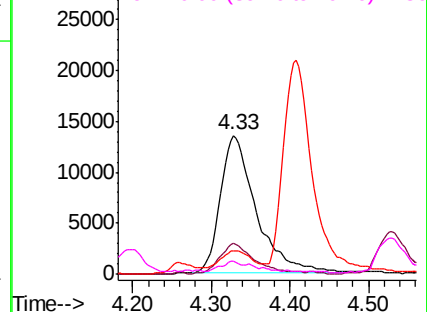
7/23/2019 8:55:10 AM

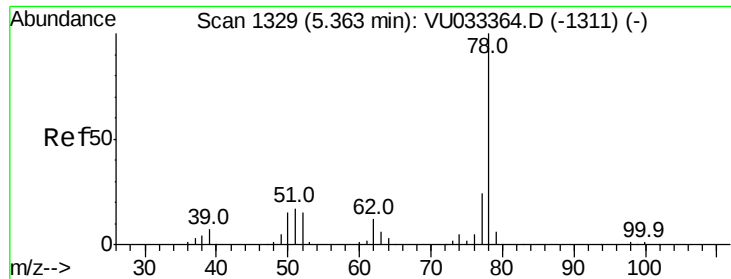


#34
Propionitrile
Concen: 46.319 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
54	100		
52	21.4	17.1	25.7
55	14.5	11.6	17.4
40	4.4	3.5	5.3

Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 9.261 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

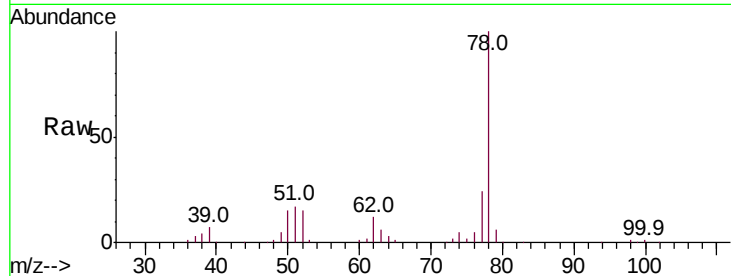
Tot Ion: 78 Resp: 395484

Ion Ratio Lower Upper

78 100

77 24.3 19.4 29.2

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Abundance Ion 78.10 (77.80 to 78.80): VU033364.D (-1311) (-)

Ion 77.00 (76.70 to 77.70): VU033364.D (-1311) (-)

5.36

200000

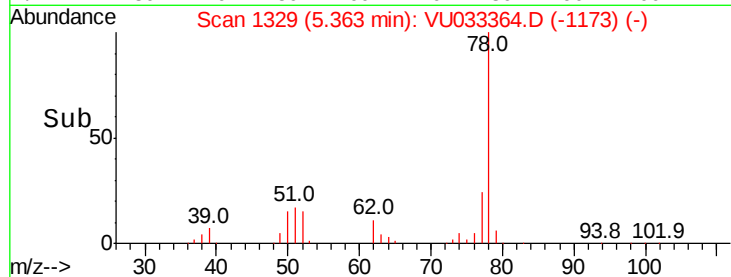
150000

100000

50000

0

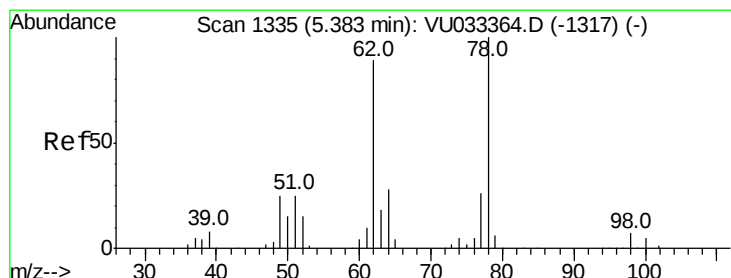
Time-->



Time-->

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#36

1,2-Dichloroethane

Concen: 9.143 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU033364.D

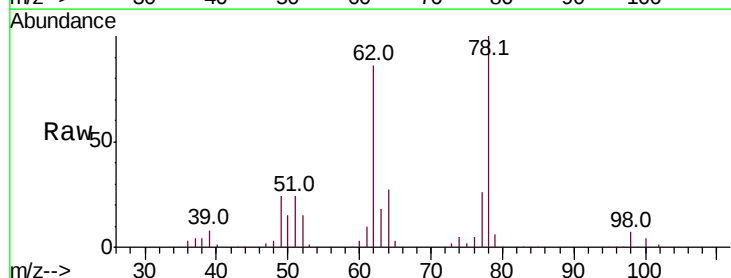
Acq: 22 Jul 2019 21:00

Tgt Ion: 62 Resp: 128134

Ion Ratio Lower Upper

62 100

98 8.1 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VU033364.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU033364.D (-1317) (-)

5.38

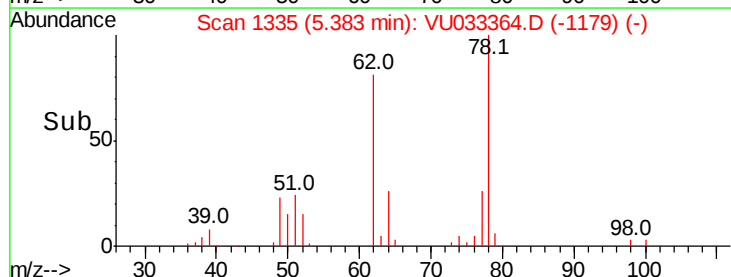
60000

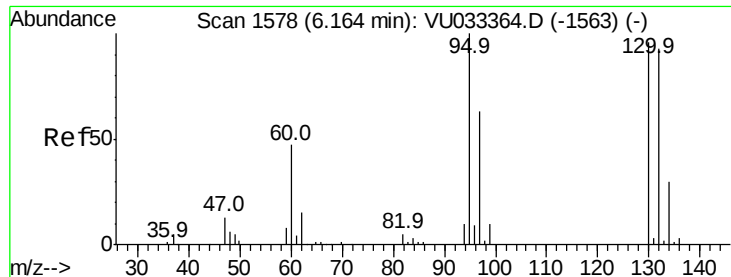
40000

20000

0

Time-->



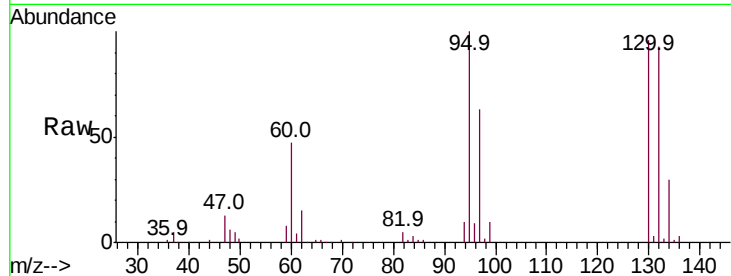


#37
 Trichloroethene
 Concen: 9.705 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

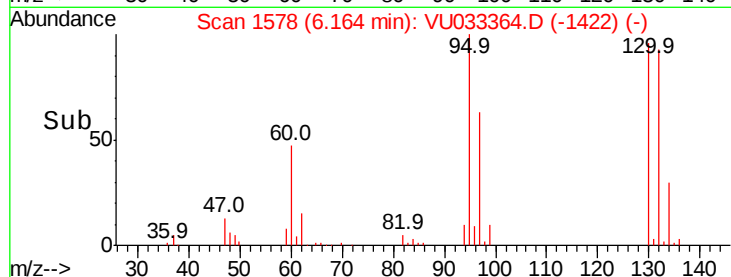
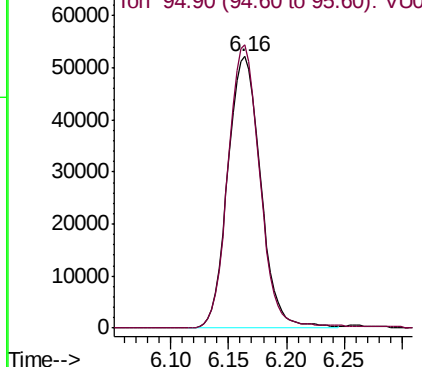
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:130 Resp: 102999
 Ion Ratio Lower Upper
 130 100
 95 104.2 83.4 125.0

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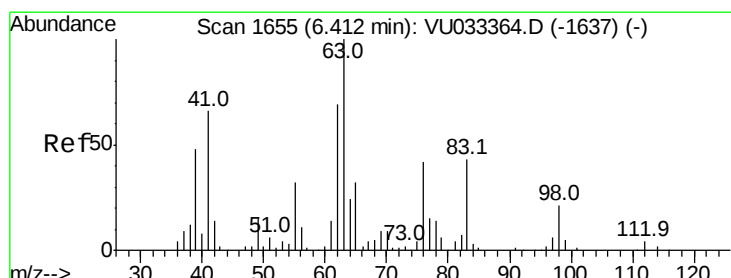


Abundance Ion 129.90 (129.60 to 130.60): VU033364.D (-1563) (-)
 Ion 94.90 (94.60 to 95.60): VU033364.D (-1563) (-)



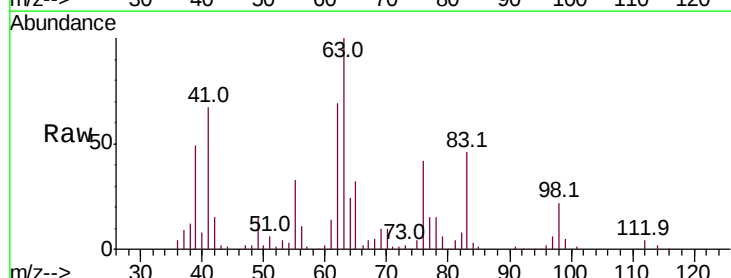
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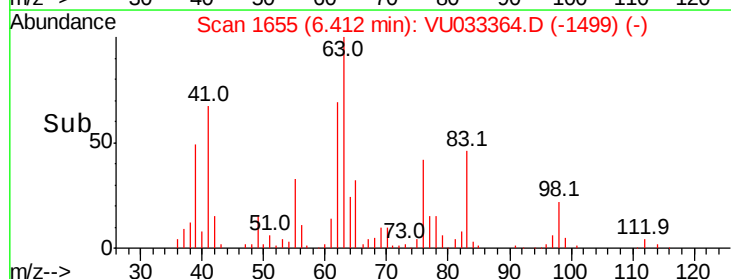
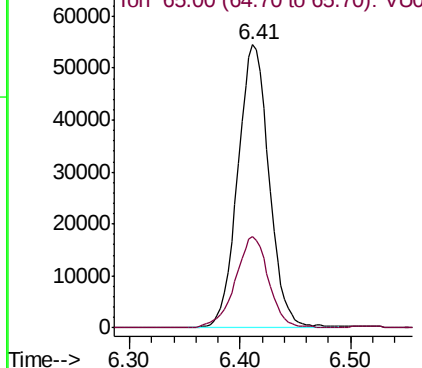


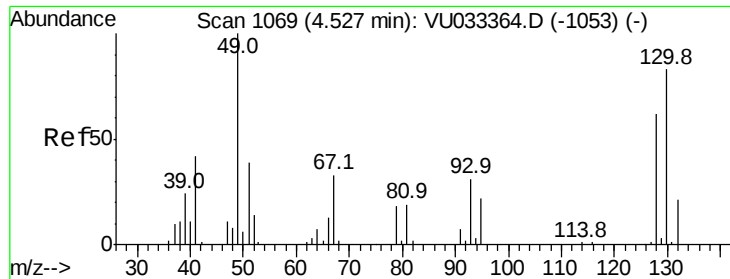
#38
 1,2-Dichloropropane
 Concen: 8.910 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Tgt Ion: 63 Resp: 107217
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.7 38.5



Abundance Ion 63.00 (62.70 to 63.70): VU033364.D (-1637) (-)
 Ion 65.00 (64.70 to 65.70): VU033364.D (-1637) (-)



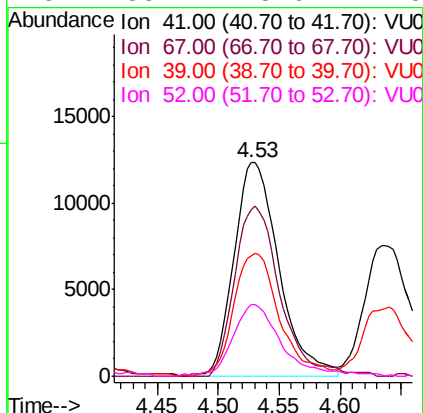
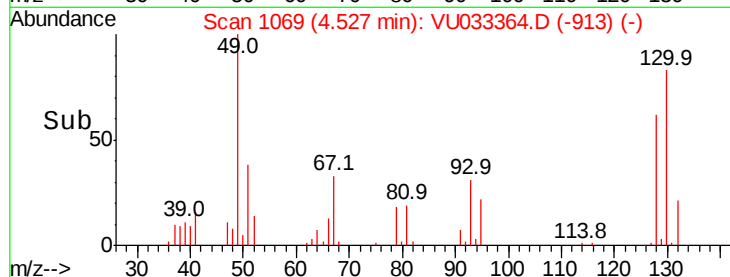
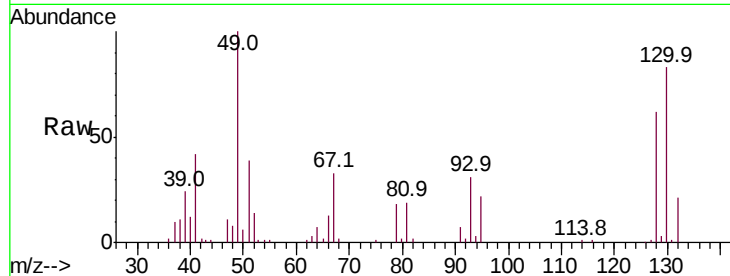


#39
Methacrylonitrile
Concen: 8.495 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

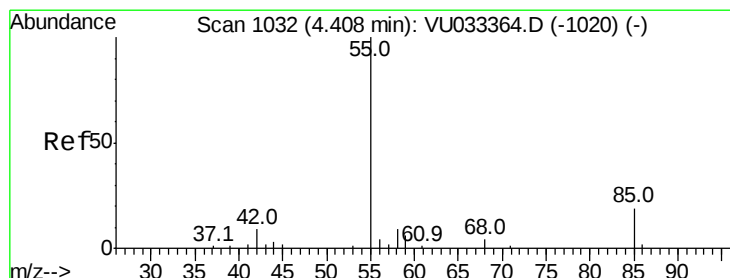
Tot Ion	Ratio	Lower	Upper
41	100		
67	80.5	64.4	96.6
39	58.5	46.8	70.2
52	35.7	28.6	42.8

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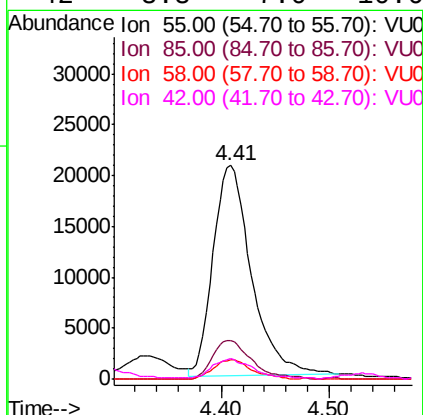
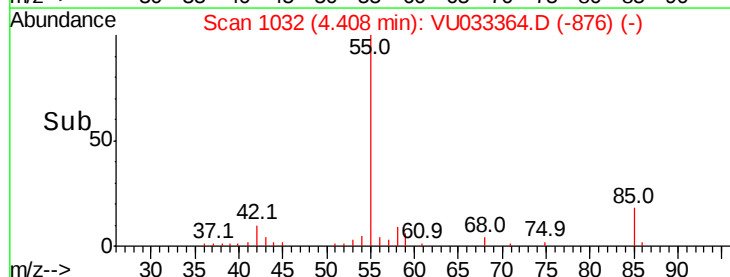
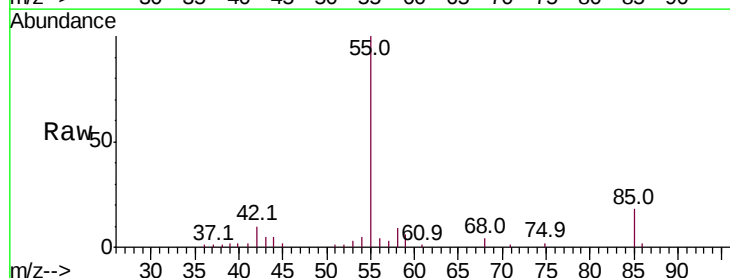
MMDadoda

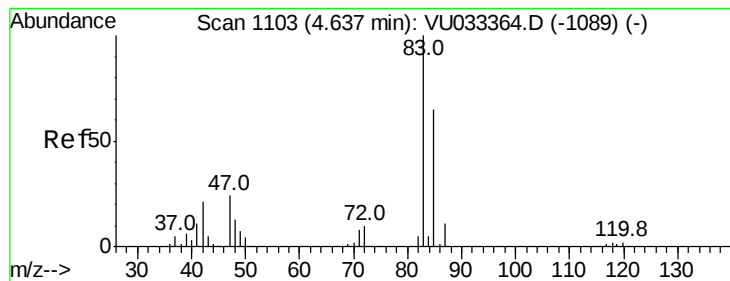
7/23/2019 8:55:10 AM



#40
Methyl acrylate
Concen: 10.437 ug/l
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
55	100		
85	18.5	14.8	22.2
58	8.9	7.1	10.7
42	8.8	7.0	10.6





#41

Tetrahydrofuran

Concen: 16.236 ug/l

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

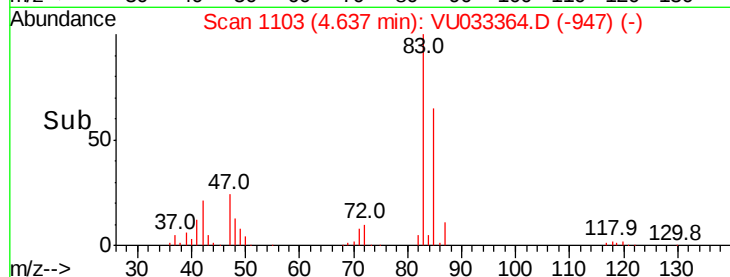
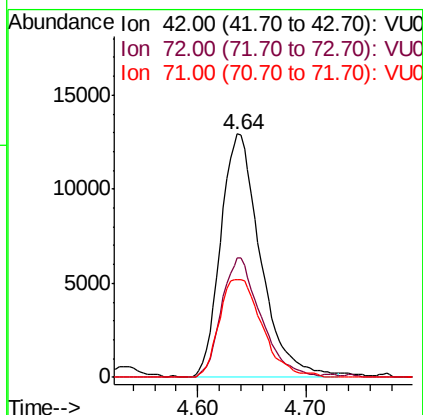
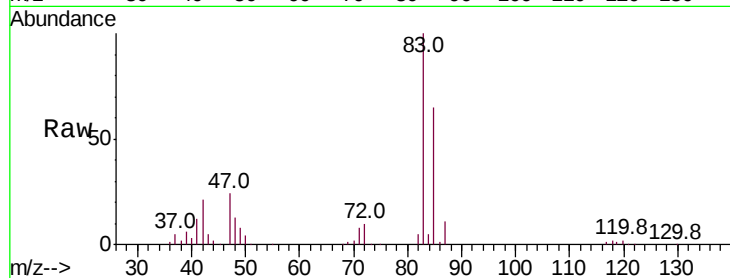
MSVOA_U

ClientSampleId :

VSTDICCC010

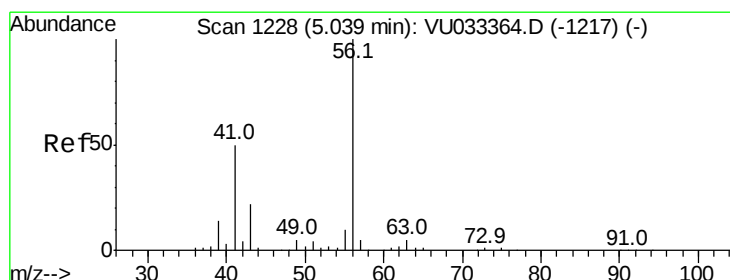
Tot Ion	42	Resp	33345
Ion	Ratio	Lower	Upper
42	100		
72	48.4	38.7	58.1
71	43.3	34.6	52.0

Manual Integrations
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#42

1-Chlorobutane

Concen: 8.971 ug/l

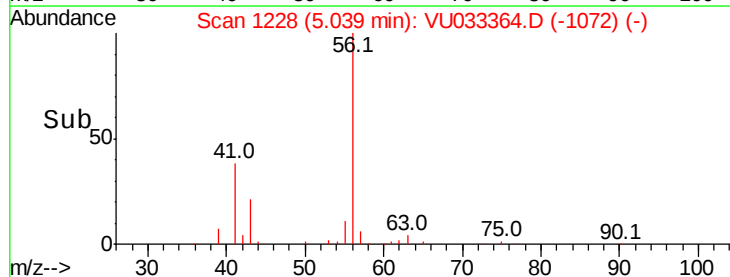
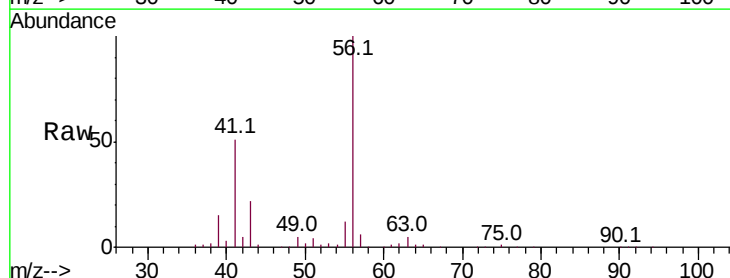
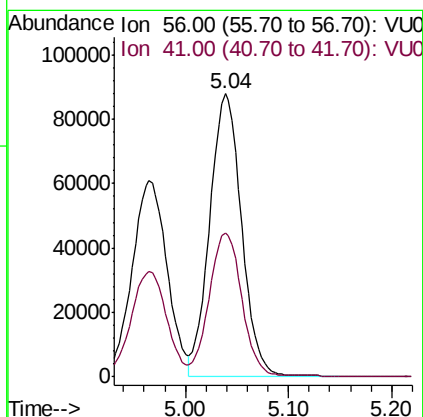
RT: 5.04 min Scan# 1228

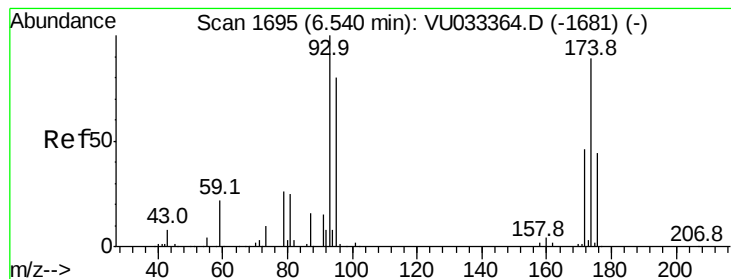
Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Tgt Ion	56	Resp	187440
Ion	Ratio	Lower	Upper
56	100		
41	51.4	25.7	77.1





#43

Dibromomethane

Concen: 9.797 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 93 Resp: 59249

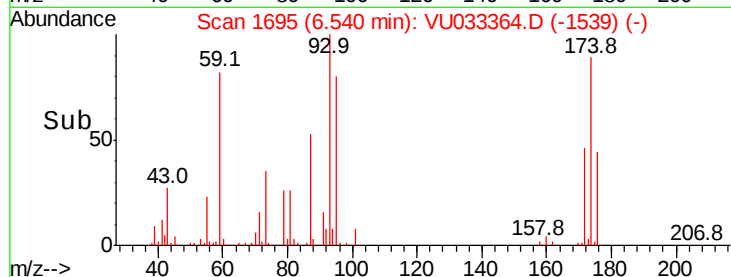
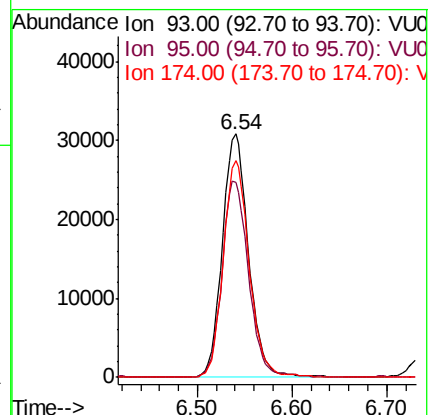
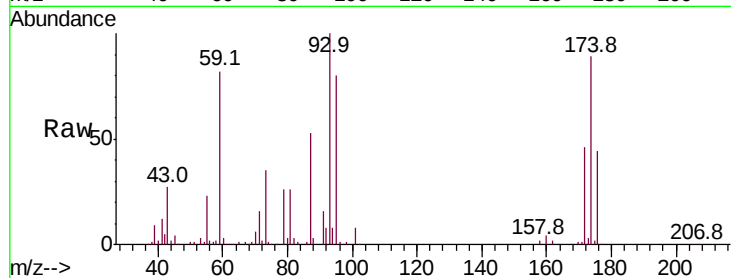
Ion Ratio Lower Upper

93 100

95 81.6 65.3 97.9

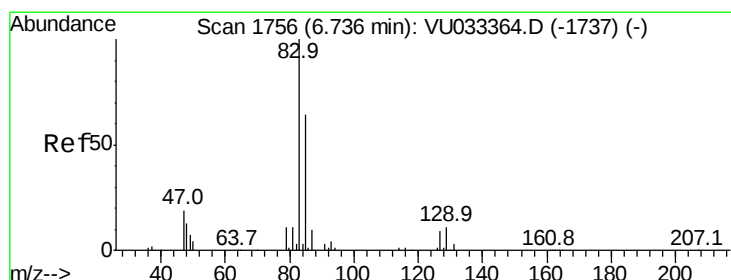
174 88.4 70.7 106.1

Manual Integrations
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7/23/2019 8:55:10 AM



#44

Bromodichloromethane

Concen: 9.425 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

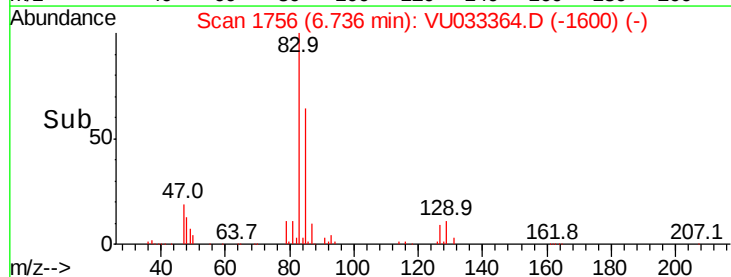
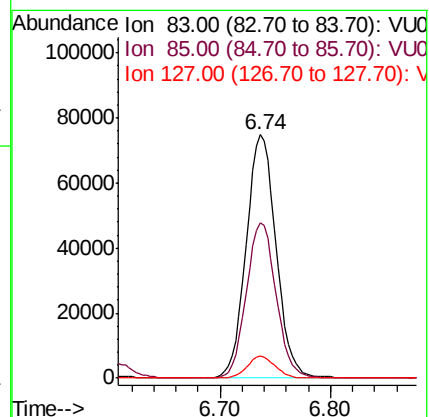
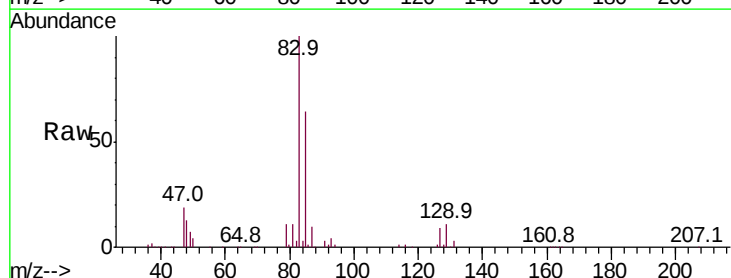
Tgt Ion: 83 Resp: 140414

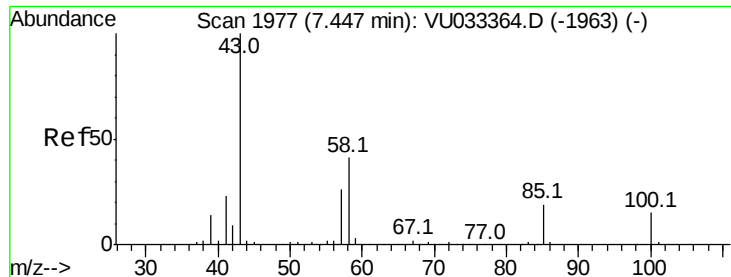
Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7

127 9.0 7.2 10.8



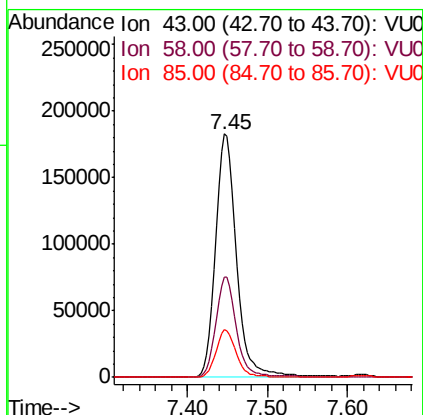
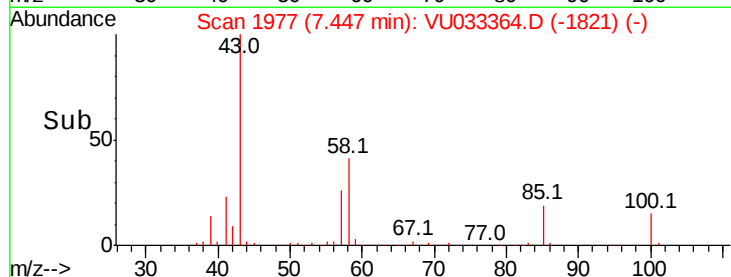
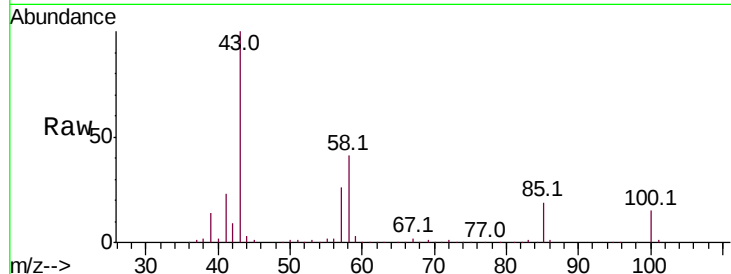


#45
4-Methyl-2-Pentanone
Concen: 47.876 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Instrument :
MSVOA_U
ClientSampled :
VSTDICCC010

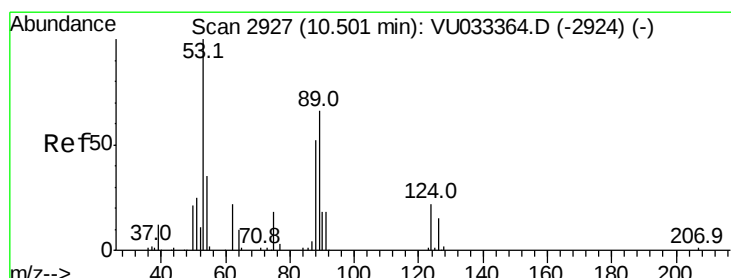
Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	20.3	60.8
85	18.8	15.0	22.6

Manual Integrations
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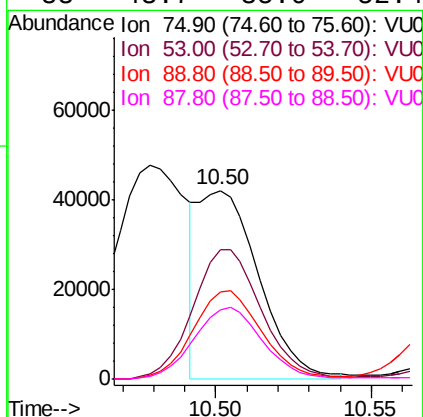
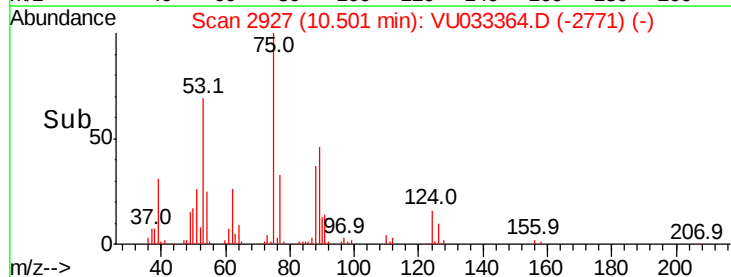
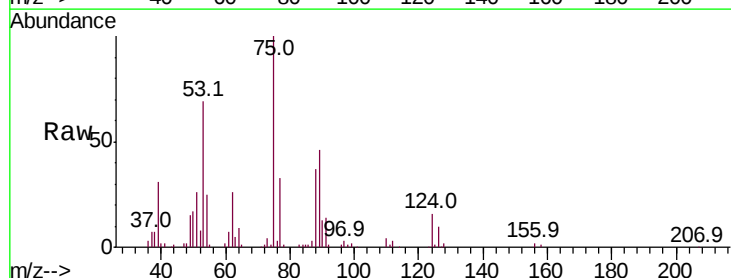
MMDadoda

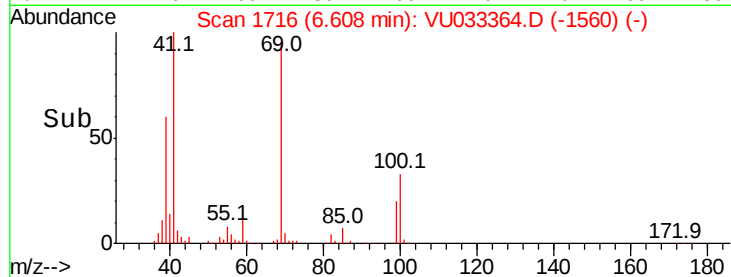
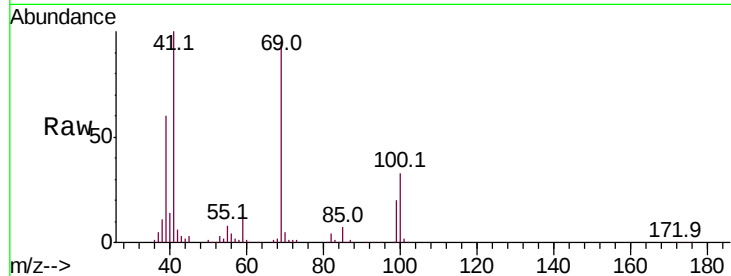
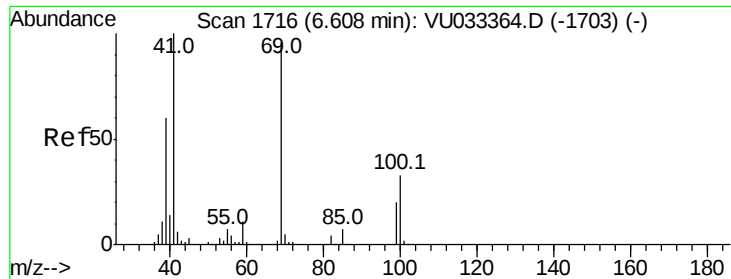
7/23/2019 8:55:10 AM



#46
t-1,4-Dichloro-2-butene
Concen: 24.800 ug/l m
RT: 10.50 min Scan# 2927
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

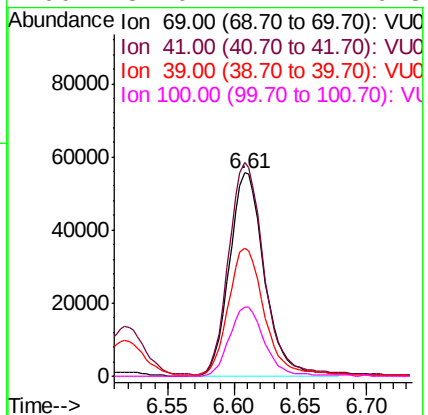
Tgt Ion	Ratio	Lower	Upper
75	100		
53	78.6	62.9	94.3
89	53.7	43.0	64.4
88	43.7	35.0	52.4





#47
Methyl methacrylate
Concen: 22.206 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	104.1	0.0	208.2		
39	63.2	50.6	75.8		
100	34.0	27.2	40.8		

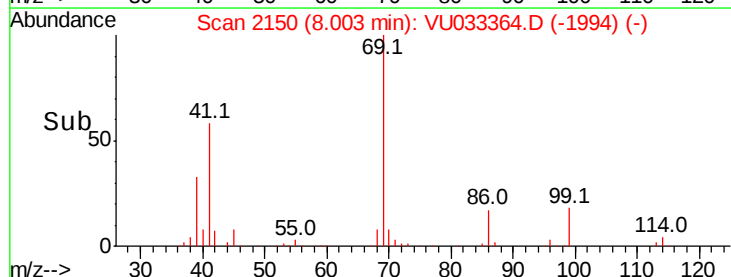
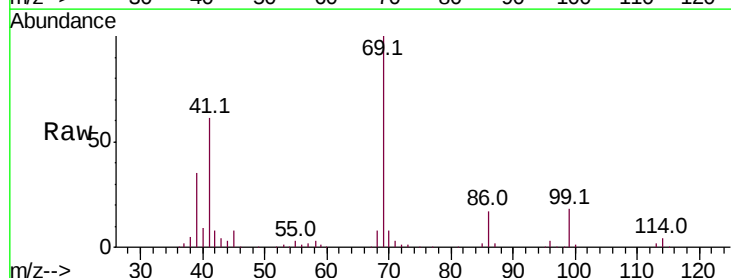
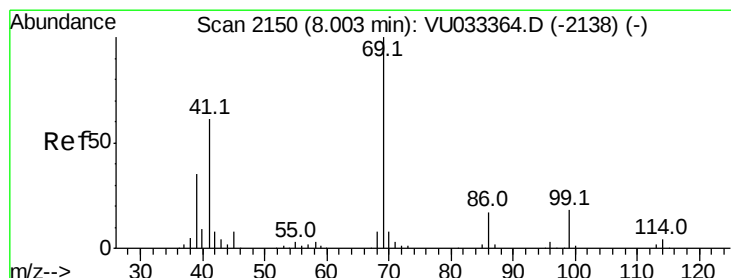


Instrument : MSVOA_U
ClientSampleId : VSTDICCC010

Manual Integrations
APPROVED

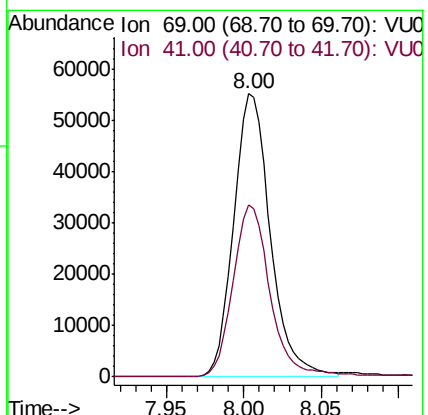
MMDadoda

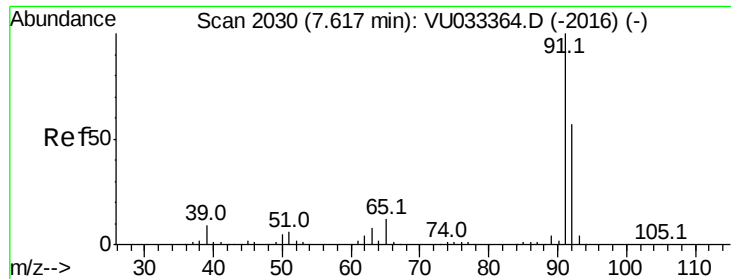
7/23/2019 8:55:10 AM



#48
Ethyl methacrylate
Concen: 11.297 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	61.8	30.9	92.7		





#49

Toluene

Concen: 10.888 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

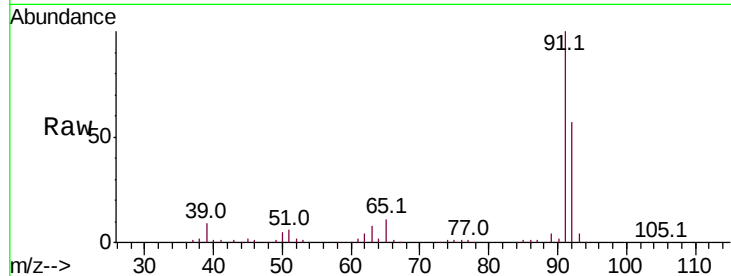
Tot Ion: 92 Resp: 245266

Ion Ratio Lower Upper

92 100

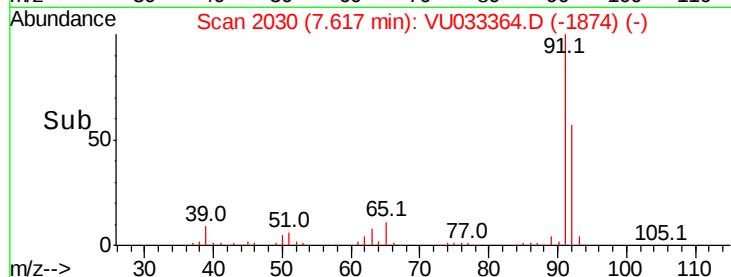
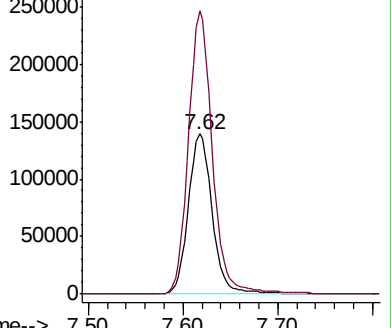
91 177.6 142.1 213.1

Manual Integrations
APPROVED



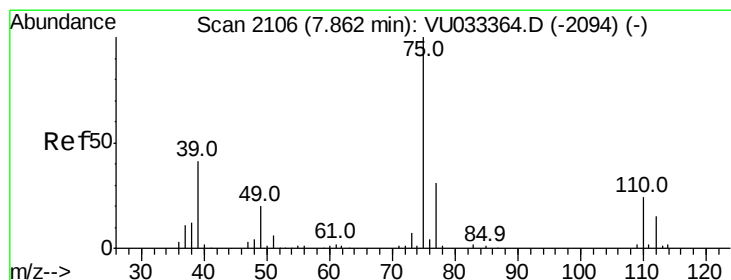
Abundance Ion 92.00 (91.70 to 92.70): VU033364.D (-2016) (-)

Ion 91.00 (90.70 to 91.70): VU033364.D (-2016) (-)



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7/23/2019 8:55:10 AM



#50

t-1,3-Dichloropropene

Concen: 10.760 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033364.D

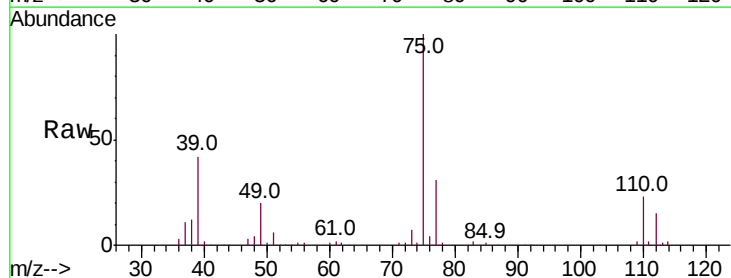
Acq: 22 Jul 2019 21:00

Tgt Ion: 75 Resp: 127015

Ion Ratio Lower Upper

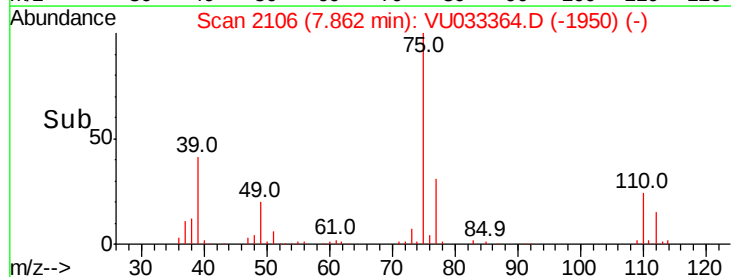
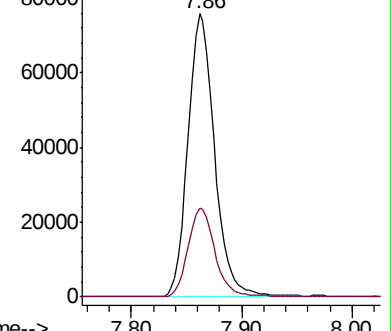
75 100

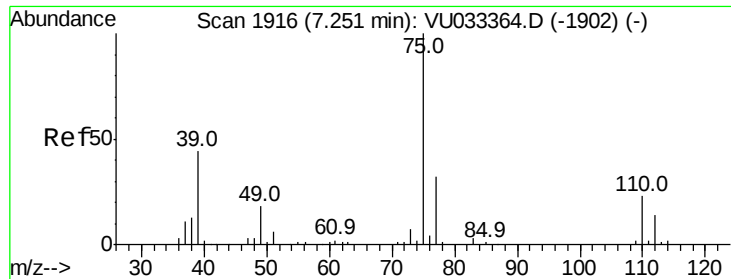
77 31.5 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU033364.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU033364.D (-2094) (-)



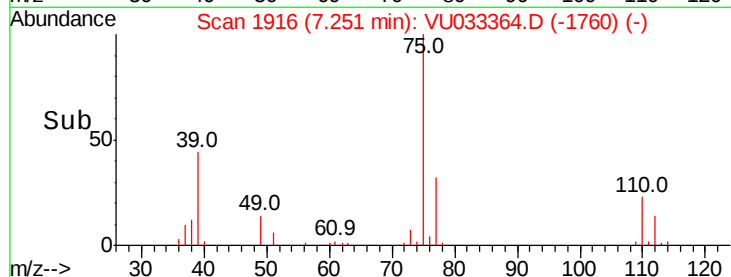
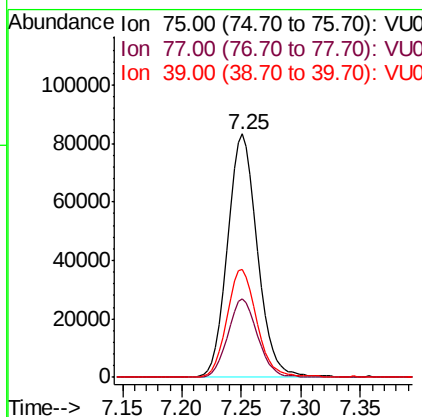
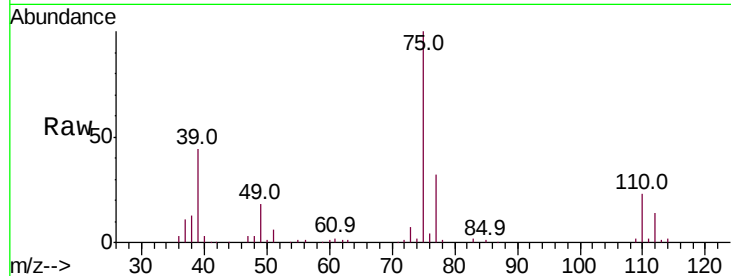


#51
 cis-1,3-Dichloropropene
 Concen: 10.172 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

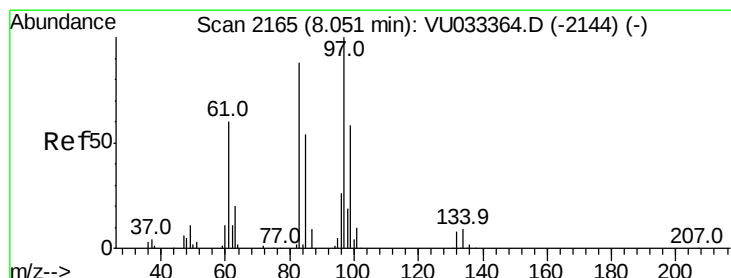
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8
39	44.0	35.2	52.8

Manual Integrations
 APPROVED



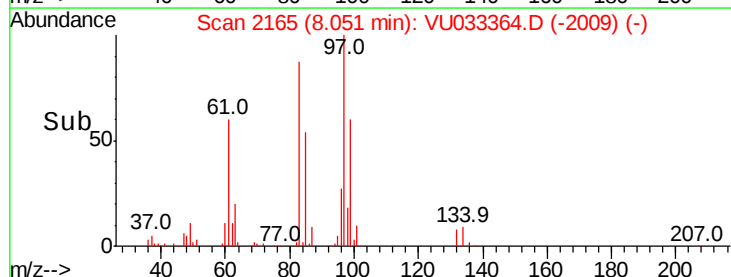
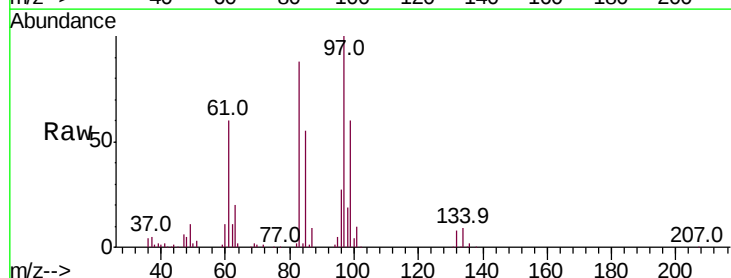
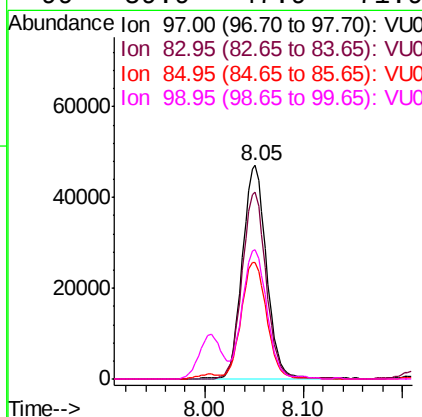
MMDadoda

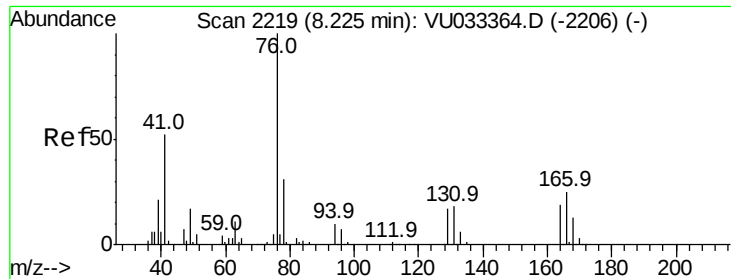
7/23/2019 8:55:10 AM



#52
 1,1,2-Trichloroethane
 Concen: 10.048 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.2	105.2
85	54.4	43.5	65.3
99	59.9	47.9	71.9



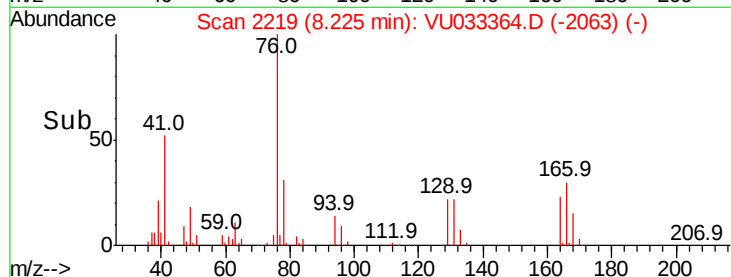
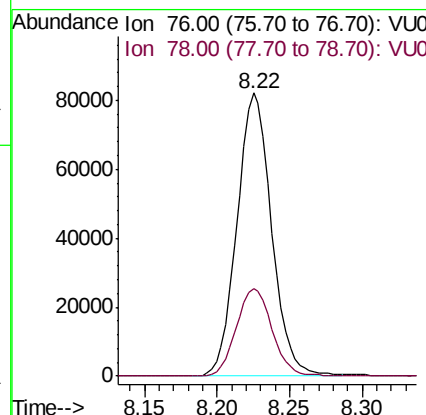
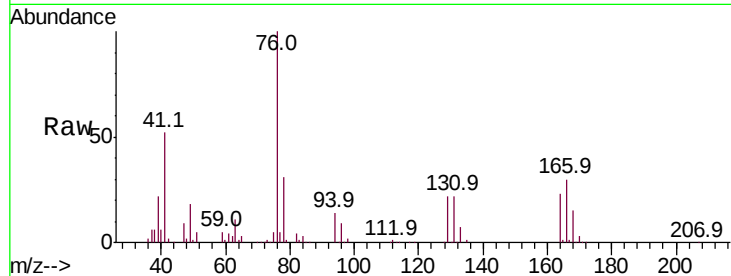


#53
 1,3-Dichloropropane
 Concen: 9.904 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

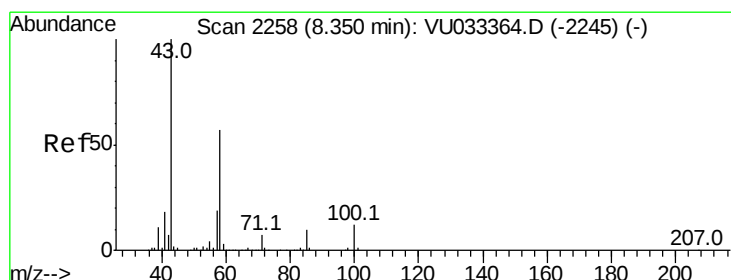
Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

Manual Integrations
 APPROVED



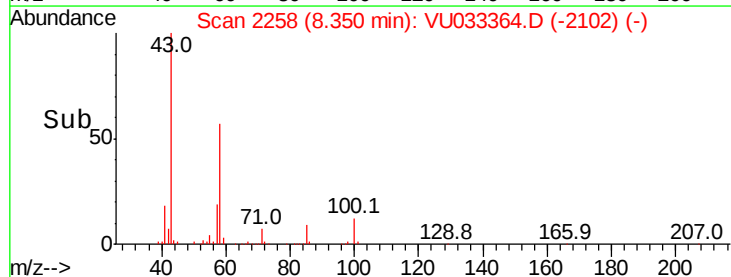
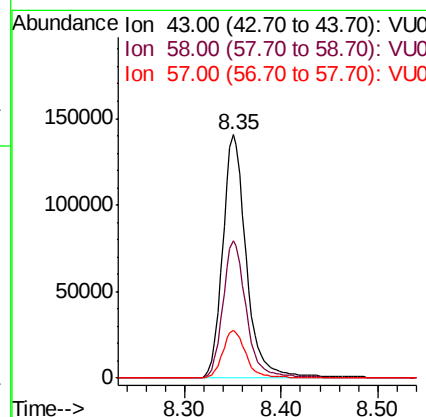
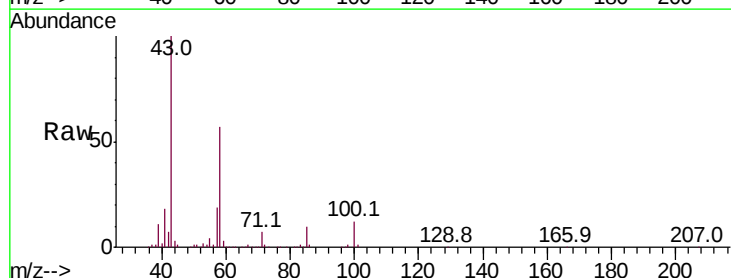
MMDadoda

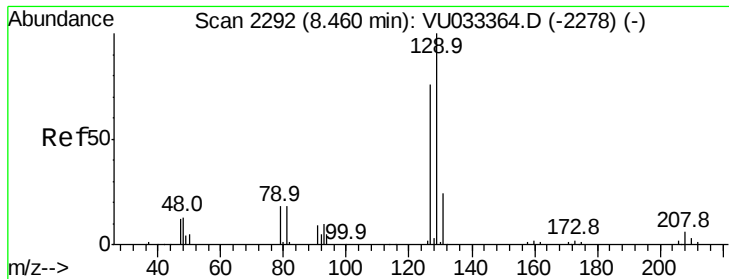
7/23/2019 8:55:10 AM



#54
 2-Hexanone
 Concen: 50.239 ug/l
 RT: 8.35 min Scan# 2258
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.0	36.0	76.0
57	19.4	0.0	39.4



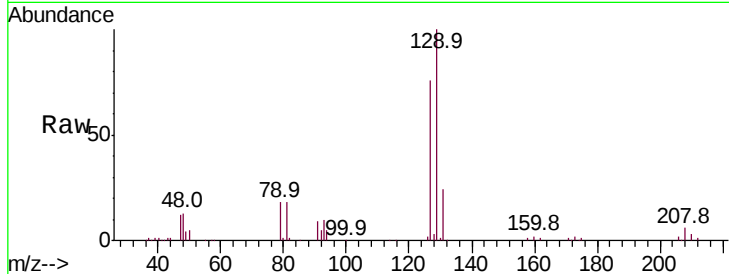


#55
 Dibromochloromethane
 Concen: 10.632 ug/l
 RT: 8.46 min Scan# 2292
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

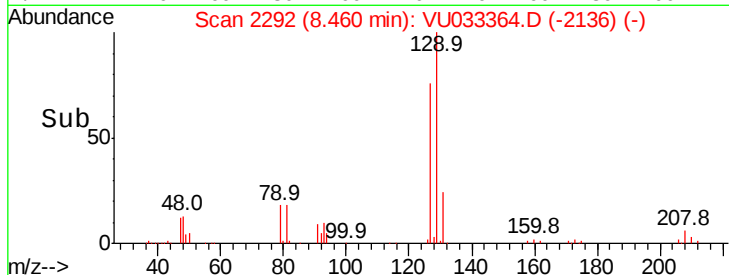
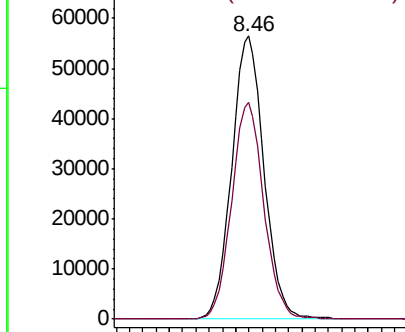
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.1	60.9	91.3

Manual Integrations
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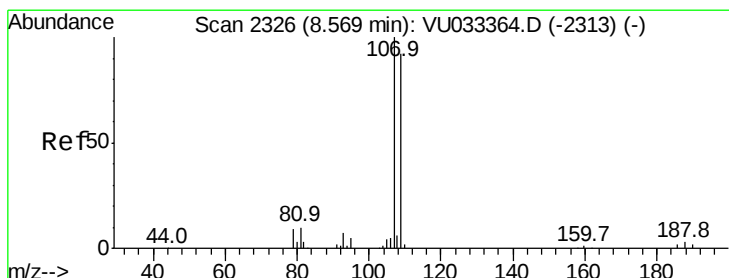


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V



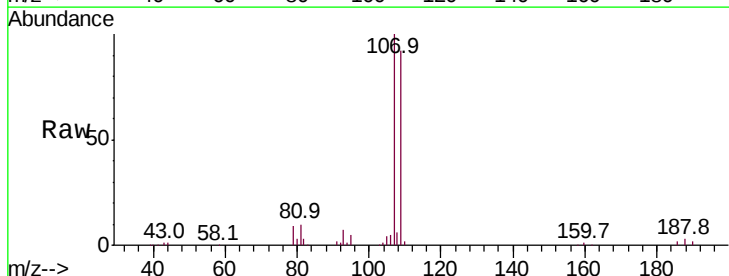
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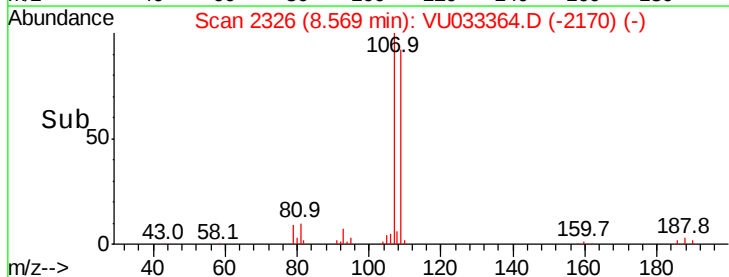
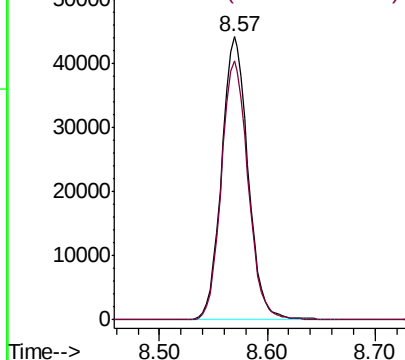


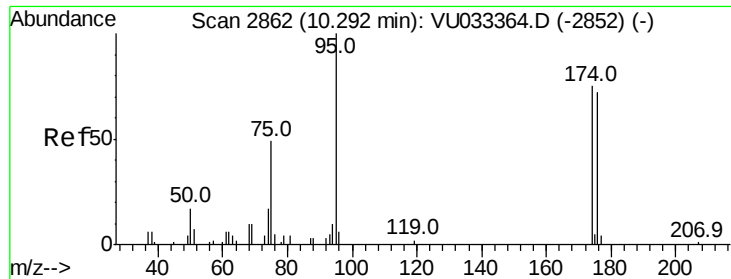
#56
 1,2-Dibromoethane
 Concen: 10.605 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.4	0.0	184.8



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V



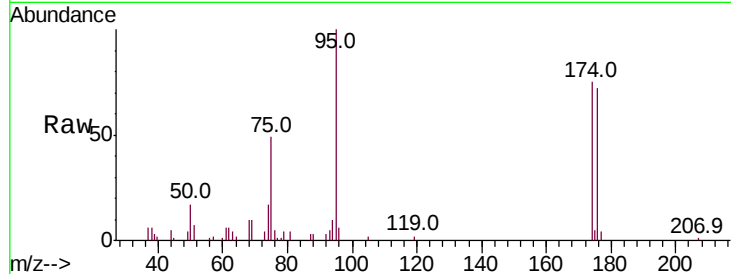


#57
4-Bromofluorobenzene
Concen: 1.166 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
95	100		
174	73.5	58.8	88.2
176	68.0	54.4	81.6

Manual Integrations
APPROVED

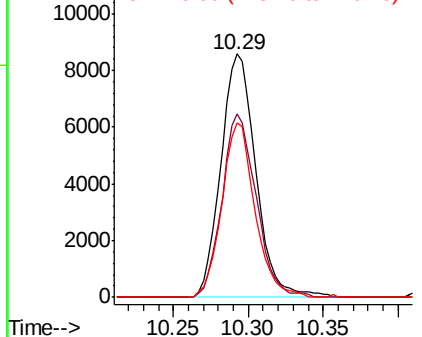


Abundance

Ion 95.00 (94.70 to 95.70): VU033364.D (-2852) (-)

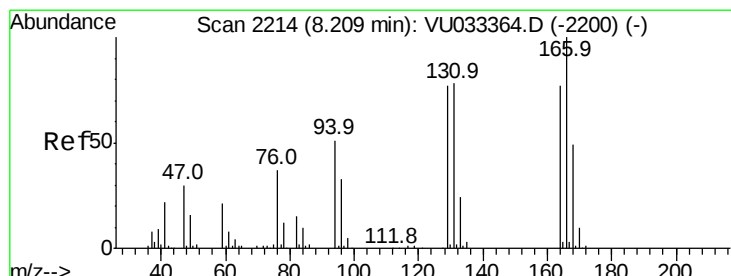
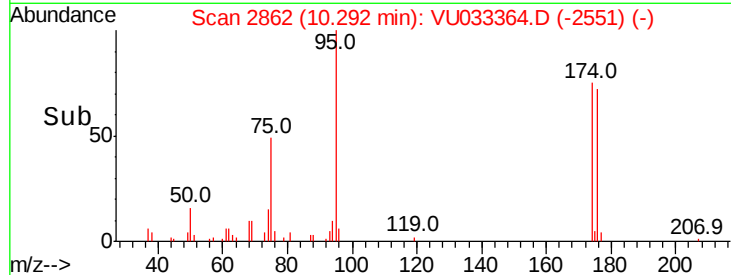
Ion 174.00 (173.70 to 174.70): VU033364.D (-2852) (-)

Ion 176.00 (175.70 to 176.70): VU033364.D (-2852) (-)



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7/23/2019 8:55:10 AM



#58
Tetrachloroethene
Concen: 9.287 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	103.8	155.6
129	99.6	79.7	119.5
131	100.6	80.5	120.7

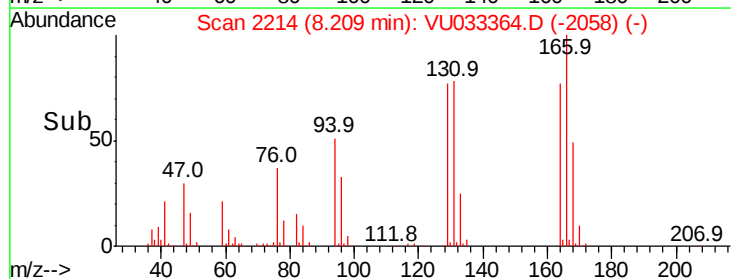
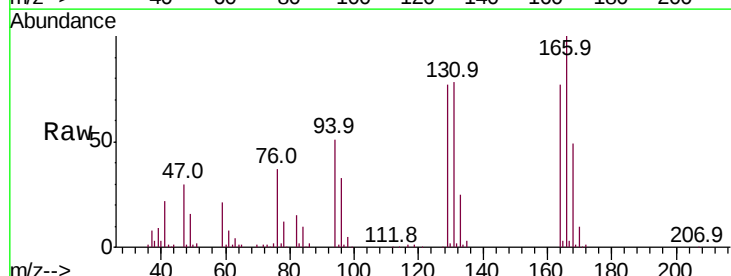
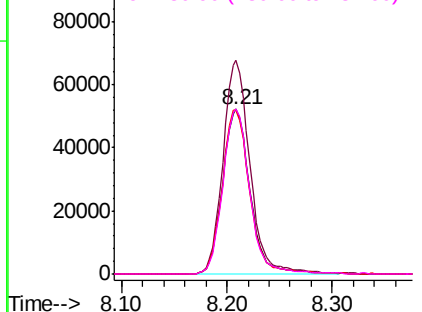
Abundance

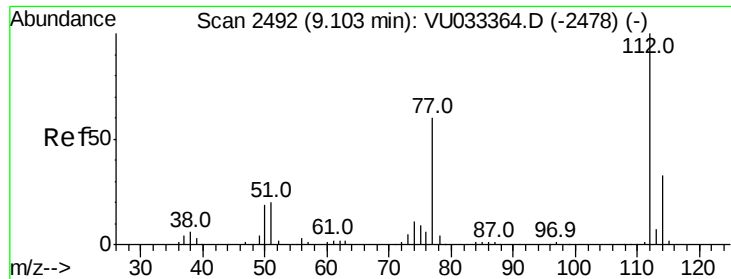
Ion 163.85 (163.55 to 164.55): VU033364.D (-2200) (-)

Ion 165.80 (165.50 to 166.50): VU033364.D (-2200) (-)

Ion 128.90 (128.60 to 129.60): VU033364.D (-2200) (-)

Ion 130.90 (130.60 to 131.60): VU033364.D (-2200) (-)



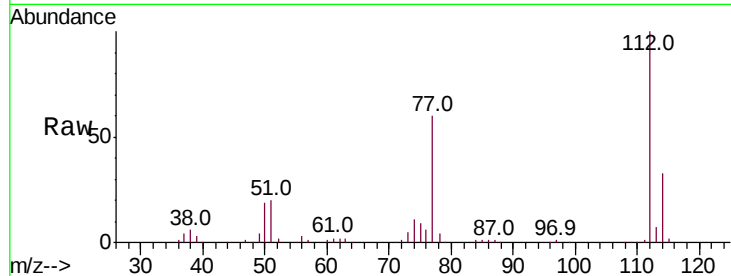


#59
Chlorobenzene
Concen: 11.172 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

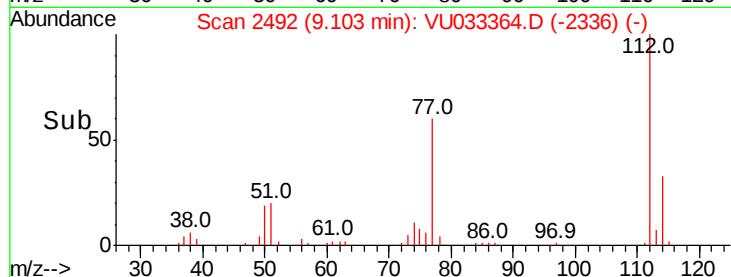
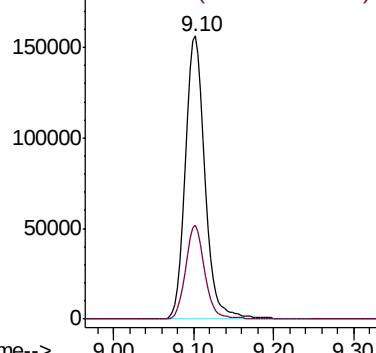
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:112 Resp: 268098
Ion Ratio Lower Upper
112 100
114 33.0 26.4 39.6

Manual Integrations
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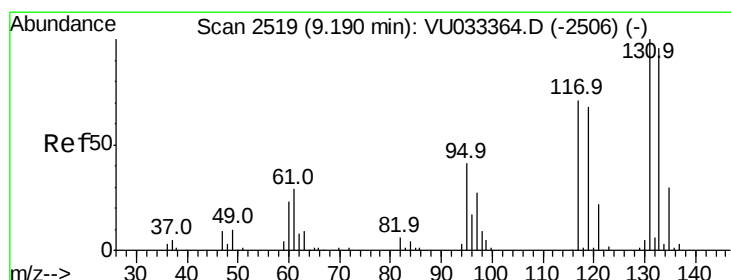


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



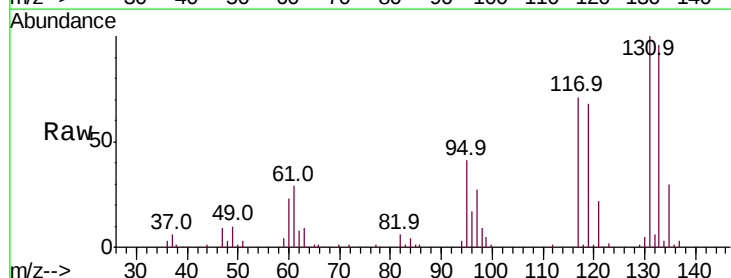
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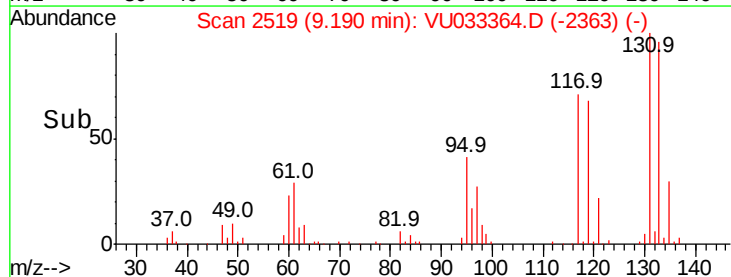
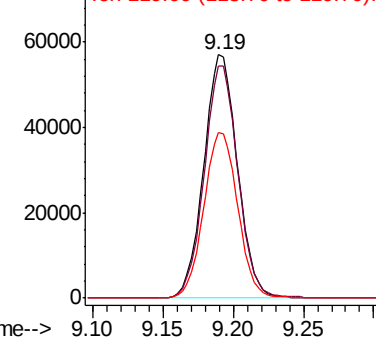


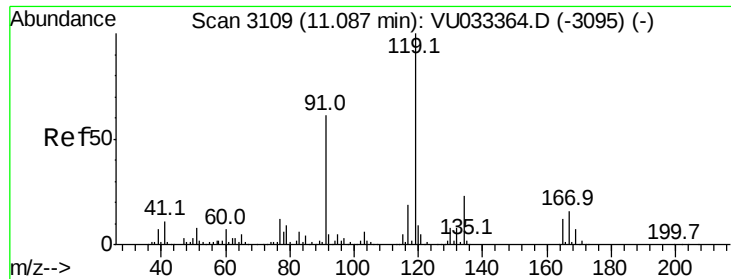
#60
1,1,1,2-Tetrachloroethane
Concen: 10.282 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion:131 Resp: 95606
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 68.6 54.9 82.3



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



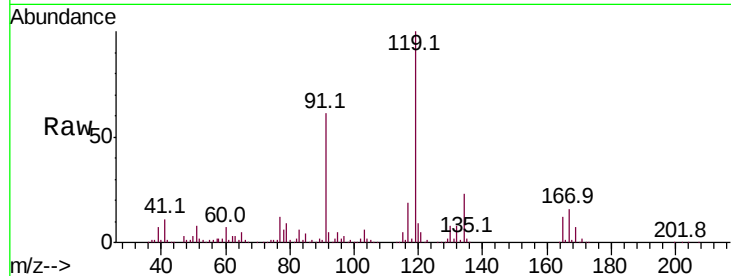


#61
 Pentachloroethane
 Concen: 11.399 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

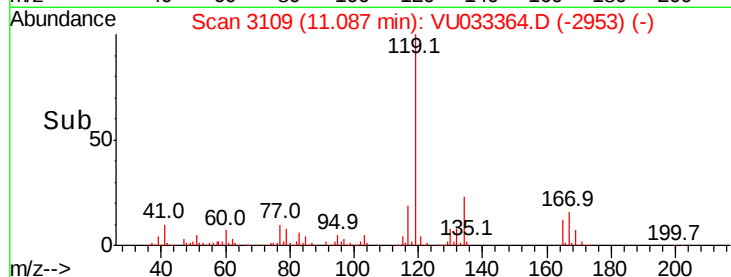
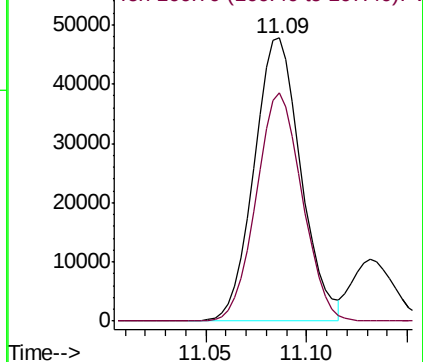
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:117 Resp: 77475
 Ion Ratio Lower Upper
 117 100
 167 79.2 63.4 95.0

Manual Integrations
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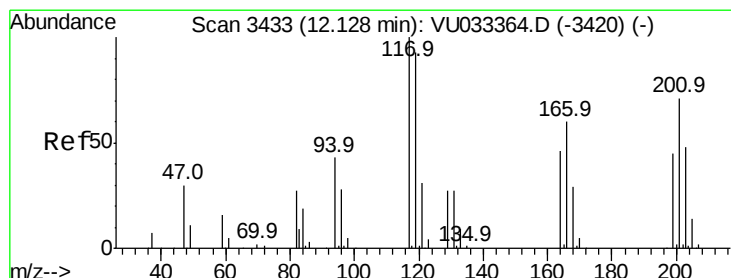


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 166.70 (166.40 to 167.40): V



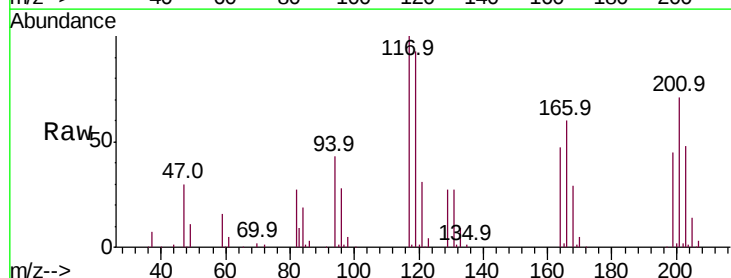
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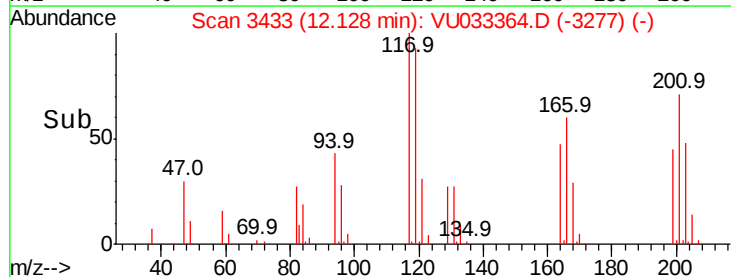
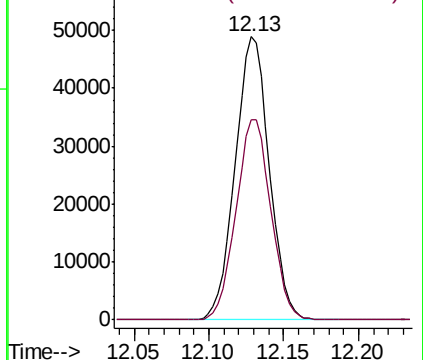


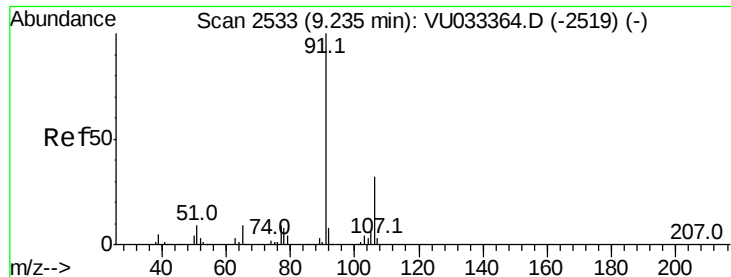
#62
 Hexachloroethane
 Concen: 11.674 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Tgt Ion:117 Resp: 77520
 Ion Ratio Lower Upper
 117 100
 201 72.4 57.9 86.9



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



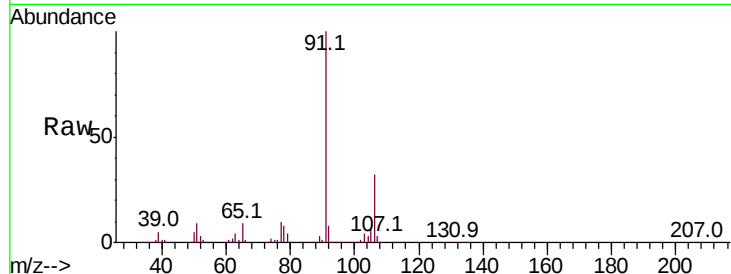


#63
Ethyl Benzene
Concen: 11.904 ug/l
RT: 9.23 min Scan# 2533
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

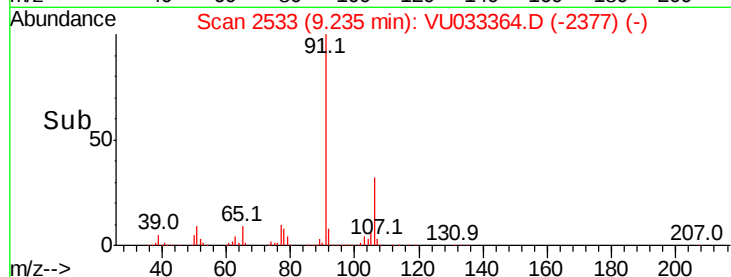
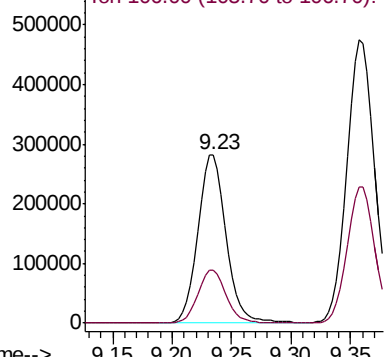
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 464963
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

Manual Integrations
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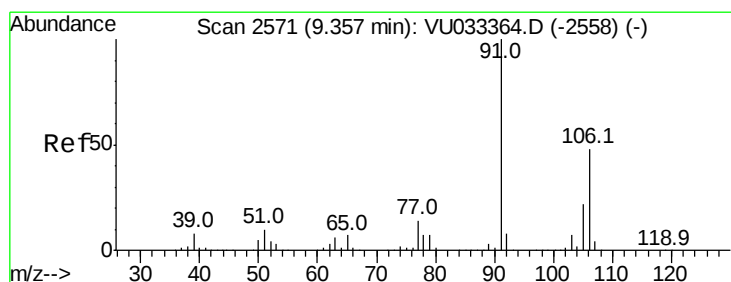


Abundance Ion 91.00 (90.70 to 91.70): VU033364.D (-2519) (-)
Ion 106.00 (105.70 to 106.70): VU033364.D (-2519) (-)



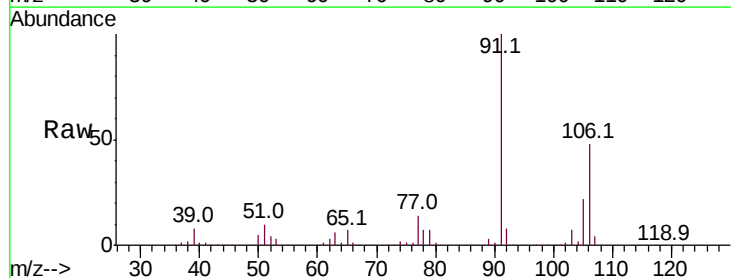
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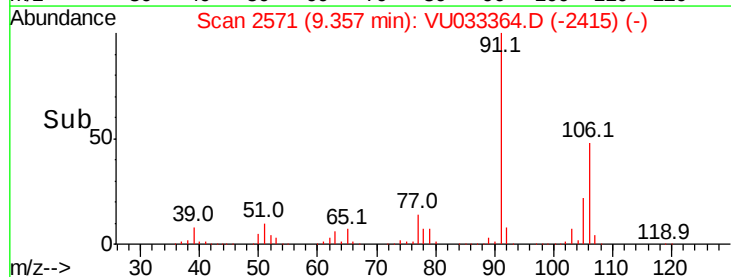
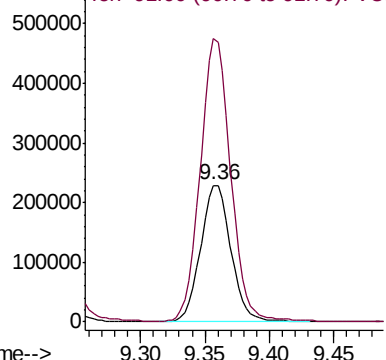


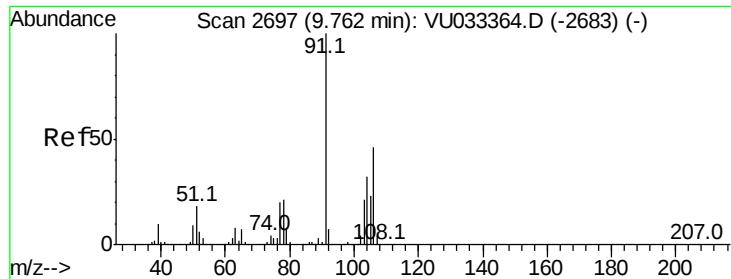
#64
m/p-Xylenes
Concen: 25.237 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion: 106 Resp: 372116
Ion Ratio Lower Upper
106 100
91 208.9 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): VU033364.D (-2558) (-)
Ion 91.00 (90.70 to 91.70): VU033364.D (-2558) (-)



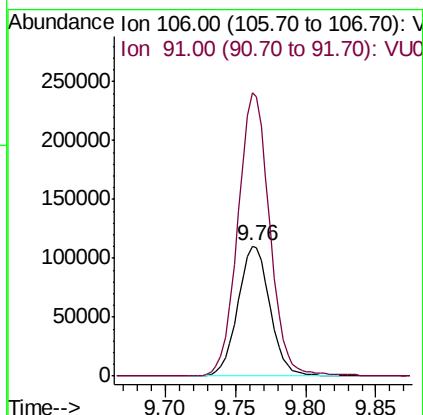
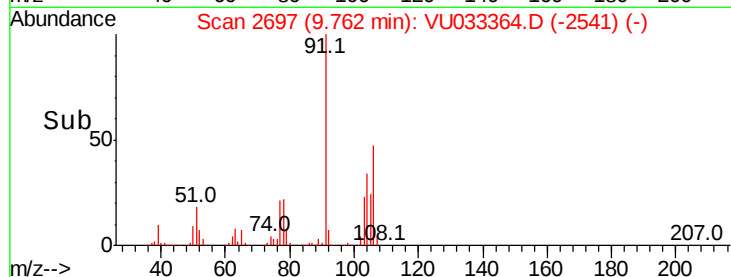
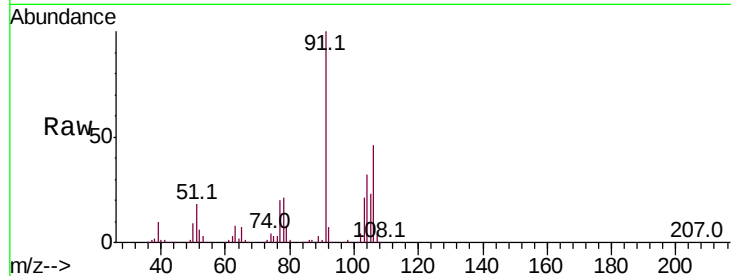


#65
o-Xylene
Concen: 12.287 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

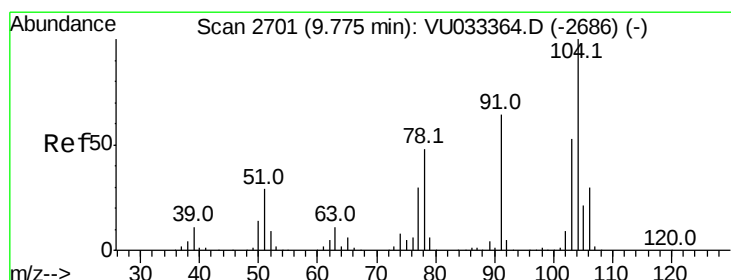
Tot Ion:106 Resp: 176520
Ion Ratio Lower Upper
106 100
91 216.9 108.5 325.3

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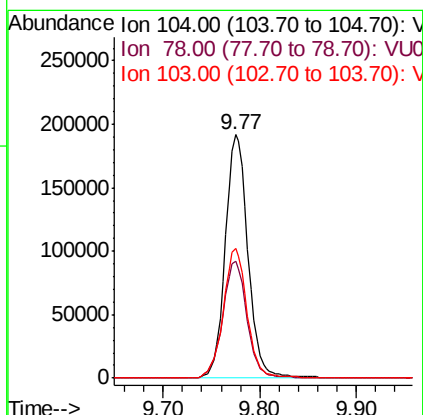
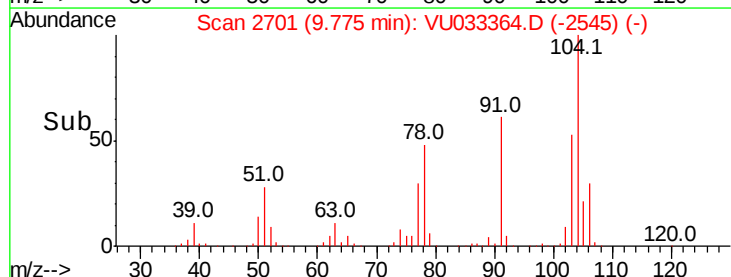
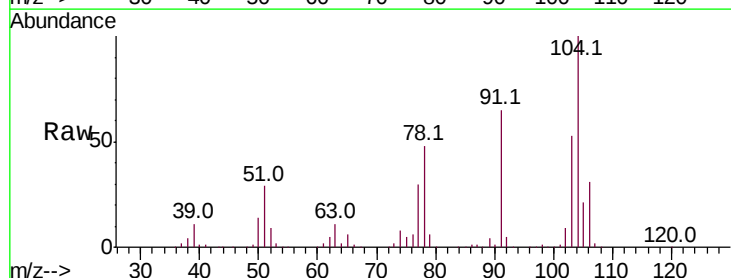
MMDadoda

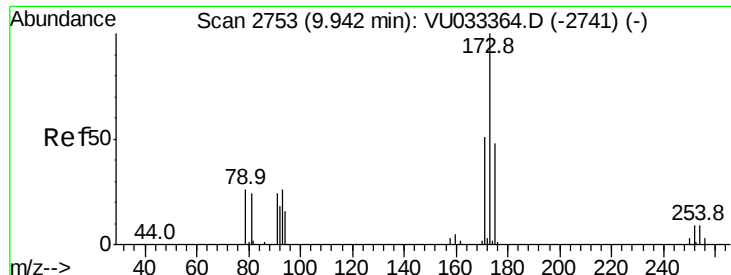
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#66
Styrene
Concen: 13.096 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion:104 Resp: 312722
Ion Ratio Lower Upper
104 100
78 51.5 41.2 61.8
103 55.9 44.7 67.1



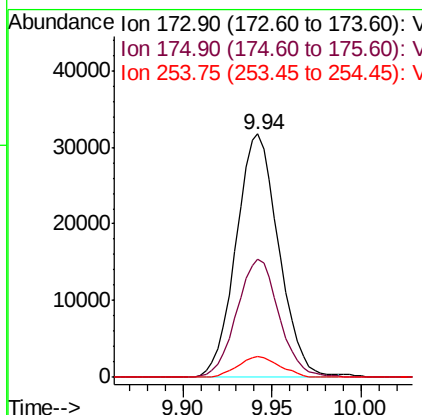
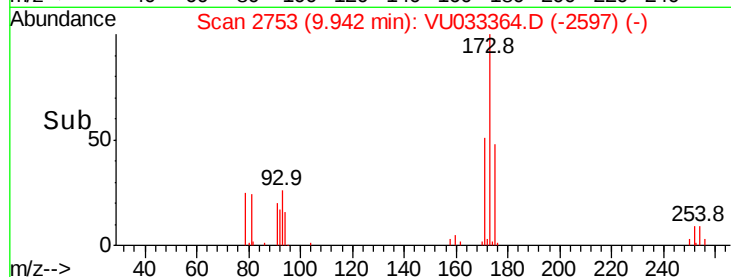
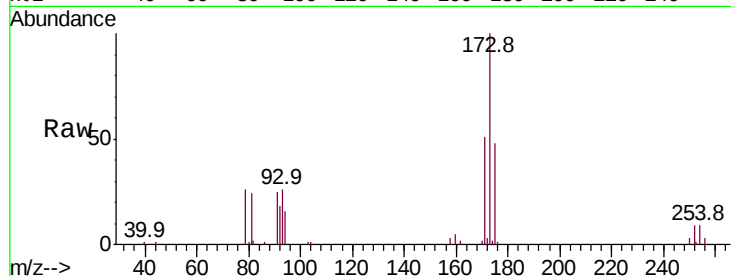


#67
Bromoform
Concen: 10.548 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

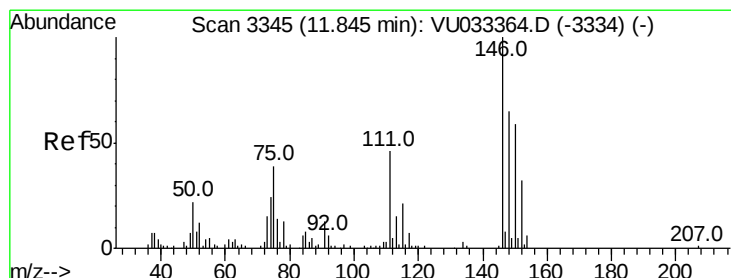
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	38.6	58.0
254	8.5	6.8	10.2

Manual Integrations
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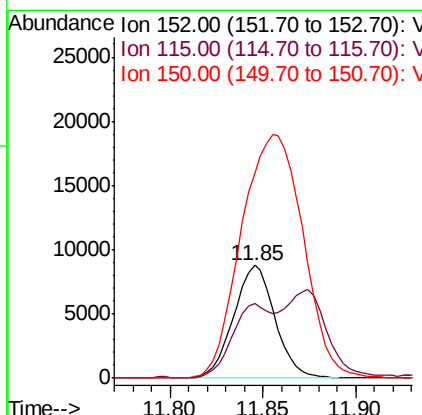
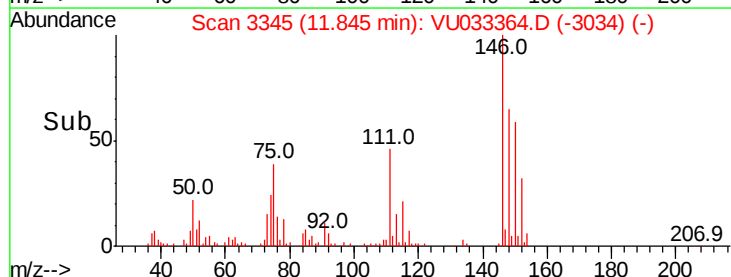
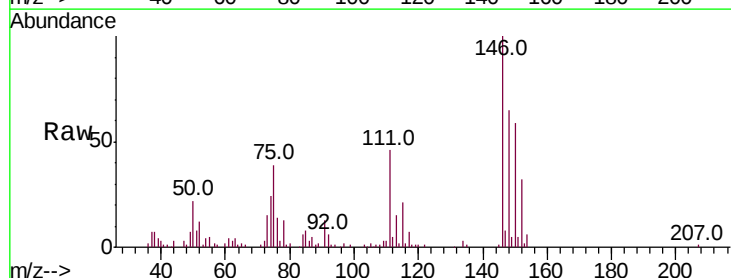
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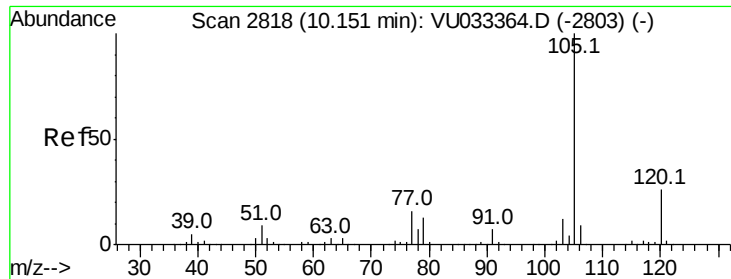
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#68
1,2-Dichlorobenzene-d4
Concen: 1.199 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	0.0	123.2
150	324.2	0.0	648.4



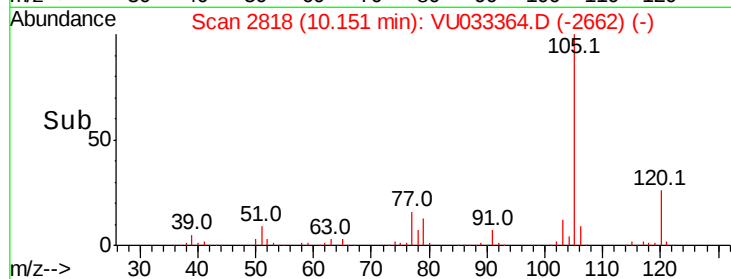
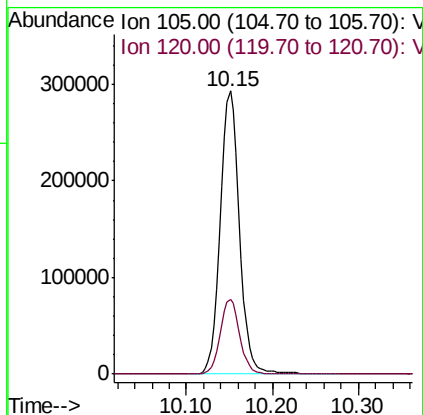
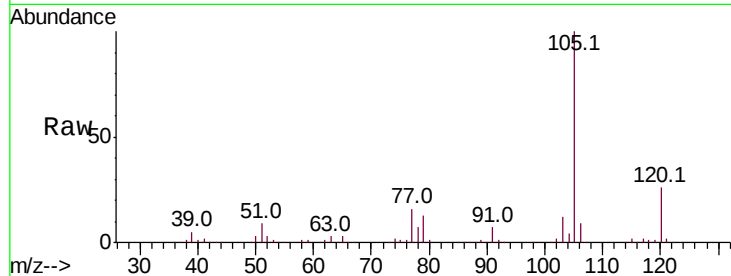


#69
Isopropylbenzene
Concen: 12.178 ug/l
RT: 10.15 min Scan# 2818
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

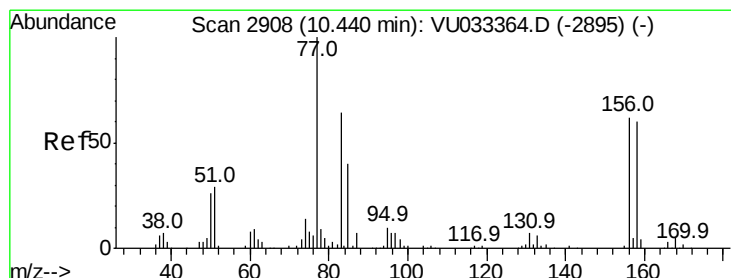
Tot Ion:105 Resp: 455901
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.1

Manual Integrations
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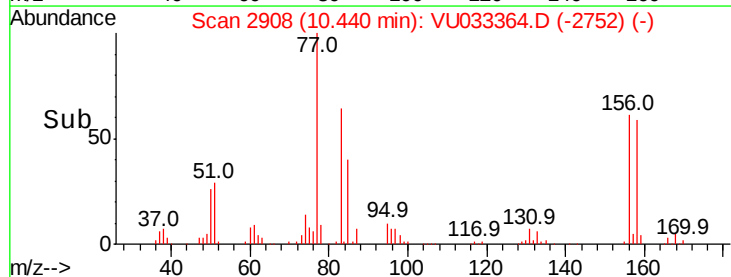
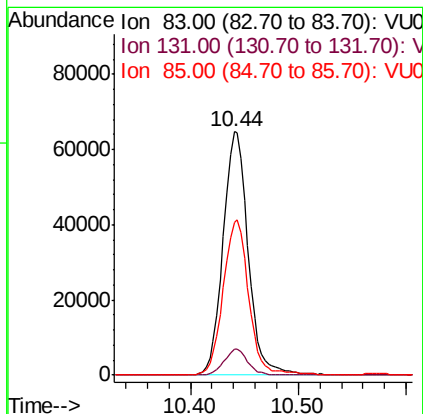
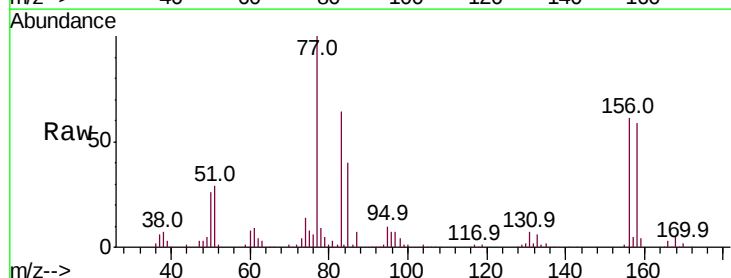
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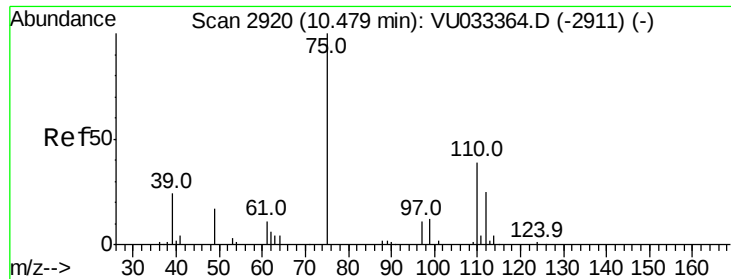
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#70
1,1,2,2-Tetrachloroethane
Concen: 10.254 ug/l
RT: 10.44 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion: 83 Resp: 105060
Ion Ratio Lower Upper
83 100
131 10.0 8.0 12.0
85 64.8 51.8 77.8



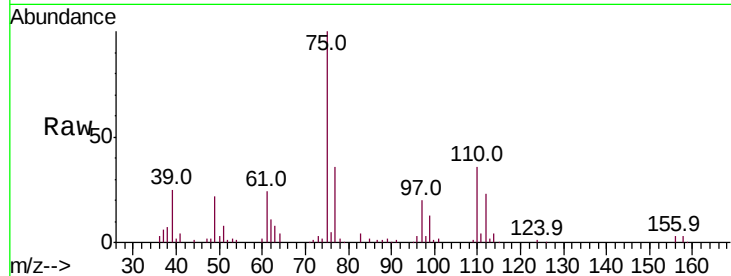


#71
1,2,3-Trichloropropane
Concen: 10.411 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

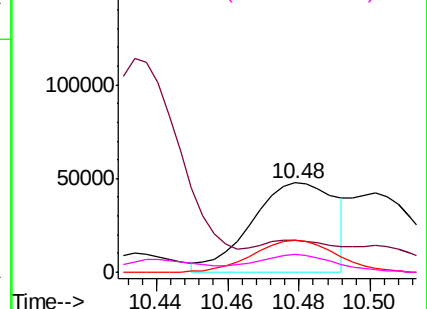
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	9.1	0.0	18.2
110	35.7	0.0	71.4
97	18.9	0.0	37.8

Manual Integrations
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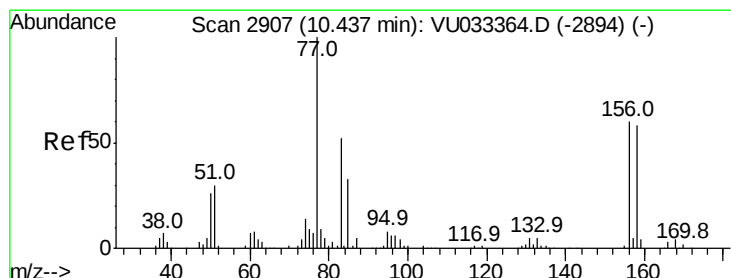
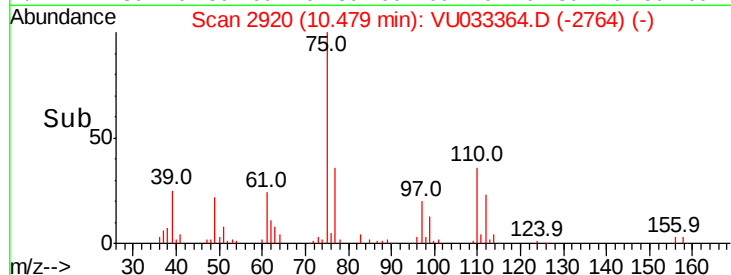


Abundance Ion 75.00 (74.70 to 75.70): VU033364.D (-2911) (-)
Ion 77.00 (76.70 to 77.70): VU033364.D (-2911) (-)
Ion 110.00 (109.70 to 110.70): VU033364.D (-2911) (-)
Ion 97.00 (96.70 to 97.70): VU033364.D (-2911) (-)



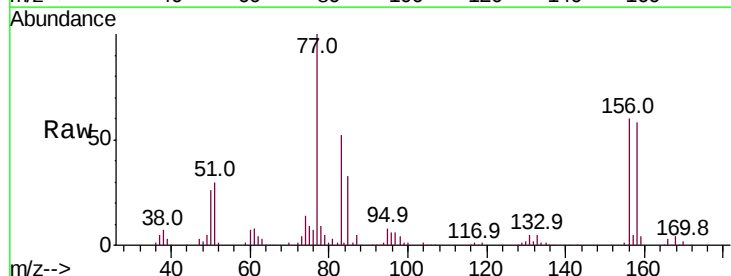
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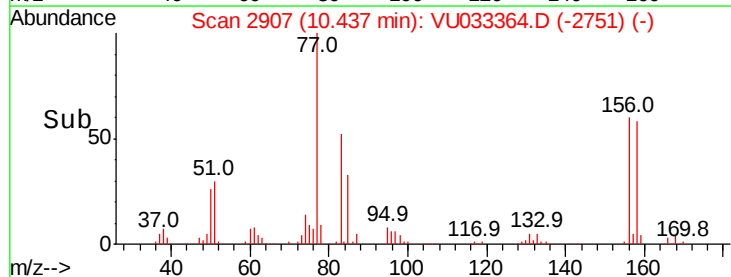
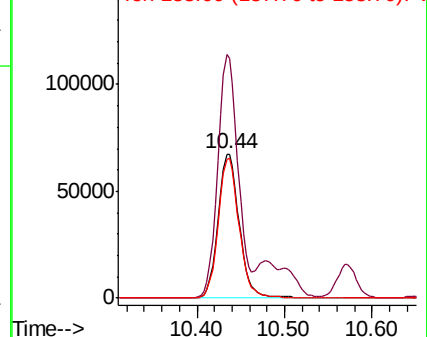


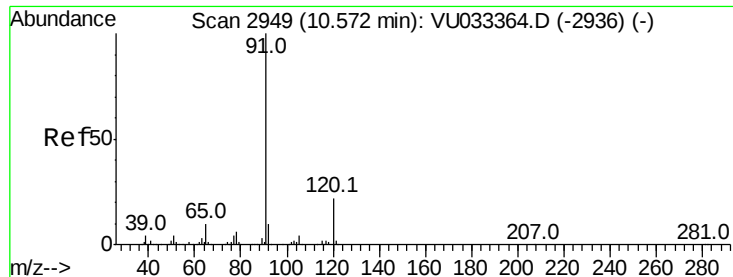
#72
Bromobenzene
Concen: 11.841 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
156	100		
77	162.2	0.0	324.4
158	96.2	0.0	192.4



Abundance Ion 156.00 (155.70 to 156.70): VU033364.D (-2894) (-)
Ion 77.00 (76.70 to 77.70): VU033364.D (-2894) (-)
Ion 158.00 (157.70 to 158.70): VU033364.D (-2894) (-)





#73

n-propylbenzene

Concen: 13.495 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

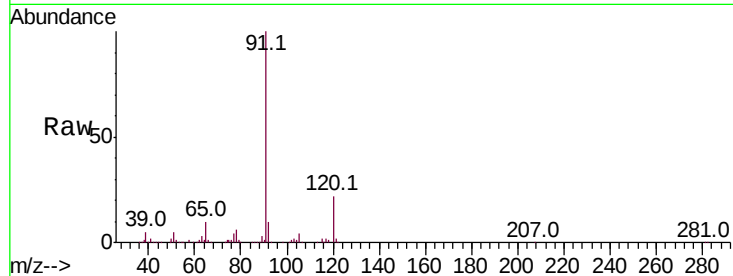
Tot Ion:120 Resp: 132784

Ion Ratio Lower Upper

120 100

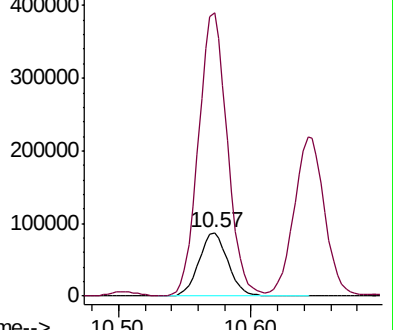
91 443.9 355.1 532.7

Manual Integrations
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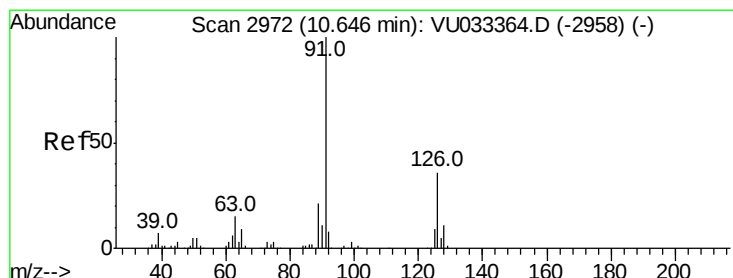
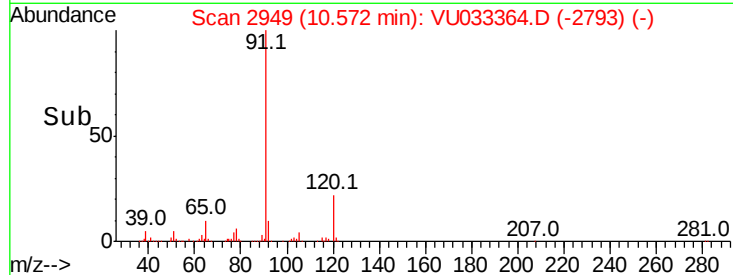
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 12.517 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. 0.00 min

Lab File: VU033364.D

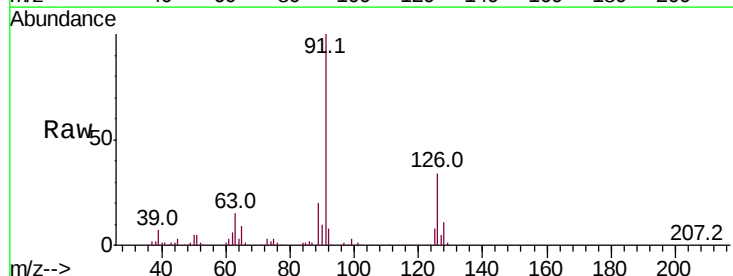
Acq: 22 Jul 2019 21:00

Tgt Ion:126 Resp: 116863

Ion Ratio Lower Upper

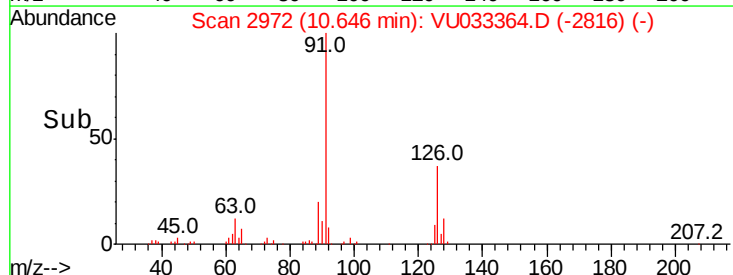
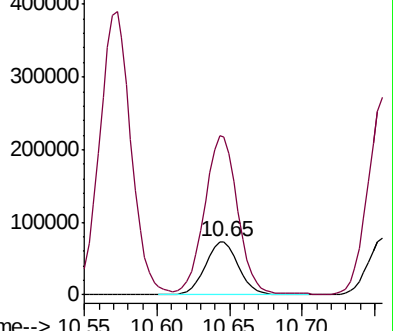
126 100

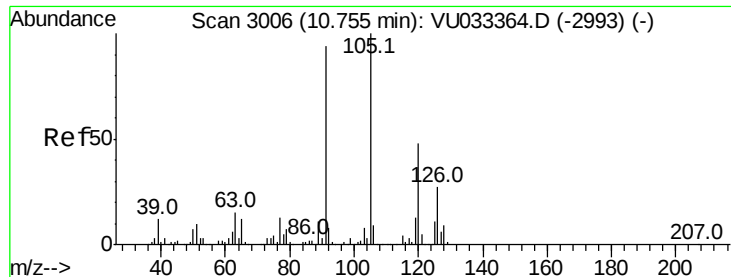
91 299.0 0.0 598.0



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: 13.133 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033364.D

Acq: 22 Jul 2019 21:00

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

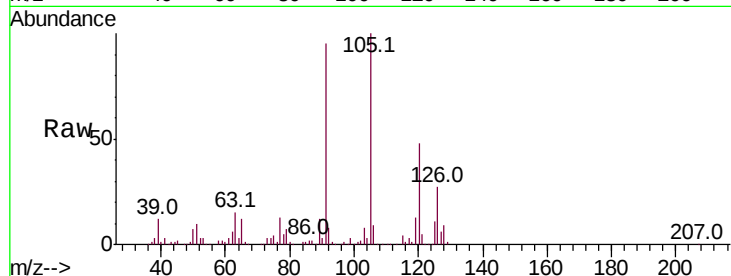
Tot Ion:105 Resp: 422819

Ion Ratio Lower Upper

105 100

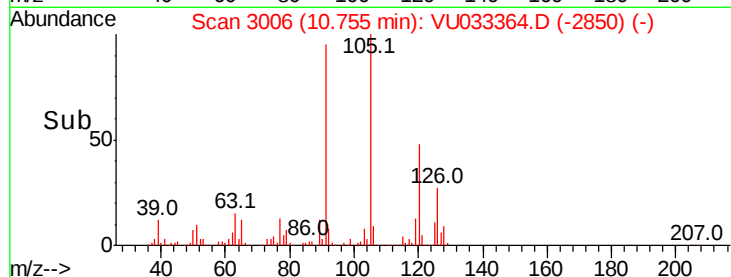
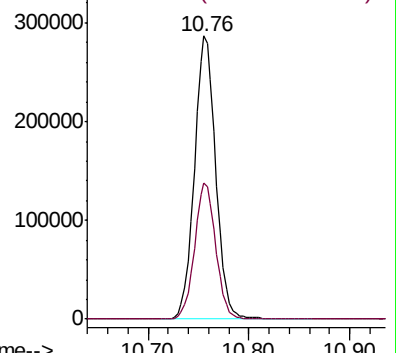
120 47.8 38.2 57.4

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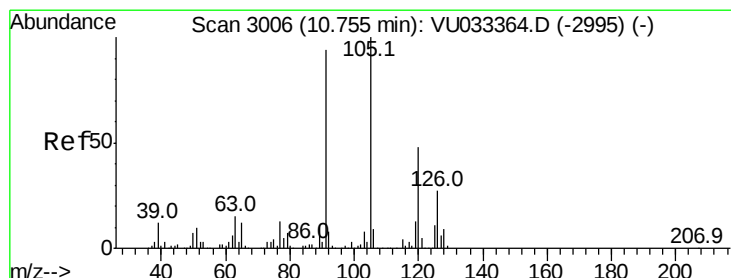
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#76

4-Chlorotoluene

Concen: 13.297 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033364.D

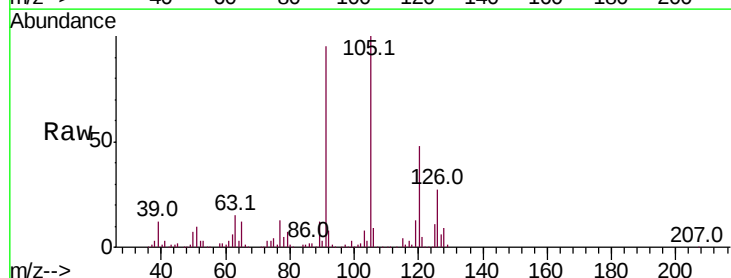
Acq: 22 Jul 2019 21:00

Tgt Ion:126 Resp: 122072

Ion Ratio Lower Upper

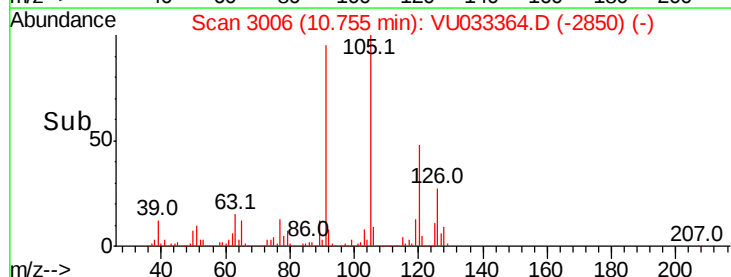
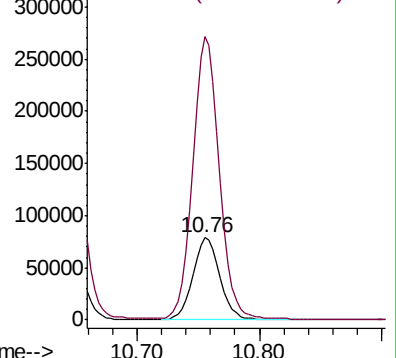
126 100

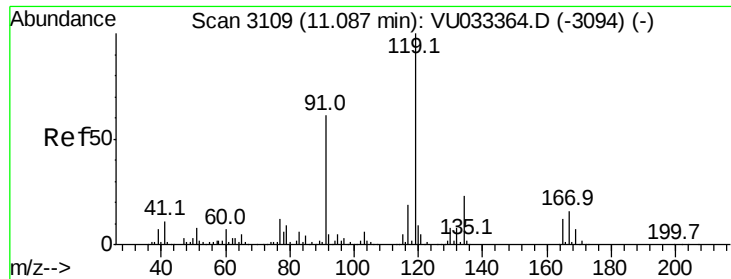
91 340.5 0.0 681.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



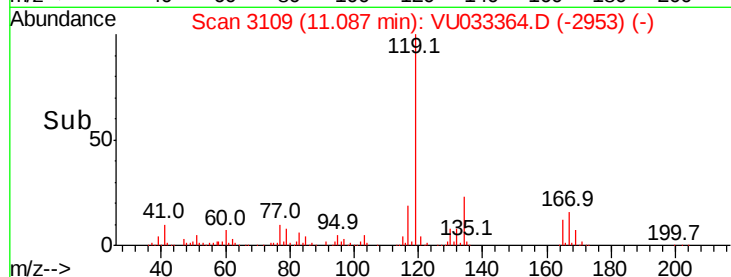
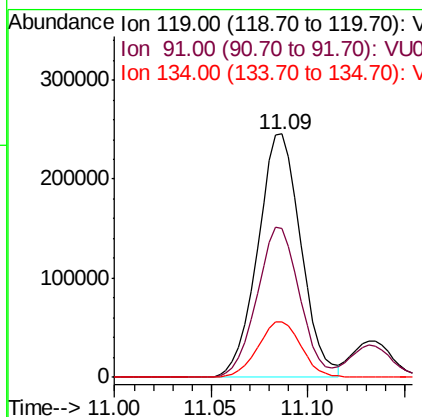
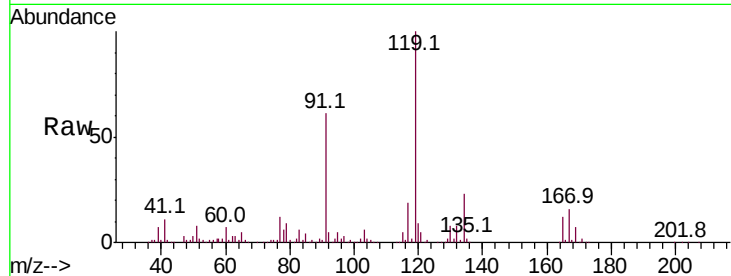


#77
tert-Butylbenzene
Concen: 12.572 ug/l
RT: 11.09 min Scan# 3109
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

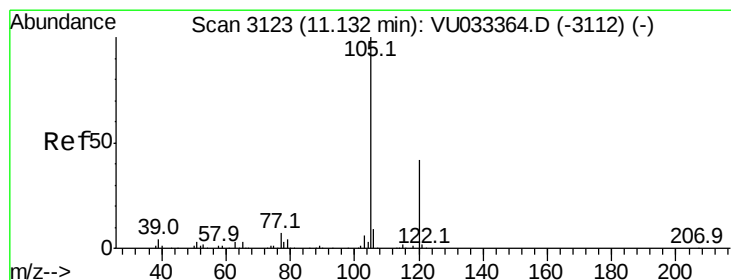
Tot Ion	Ratio	Resp	Lower	Upper
119	100	380398		
91	60.9		30.4	91.3
134	23.1		18.5	27.7

Manual Integrations
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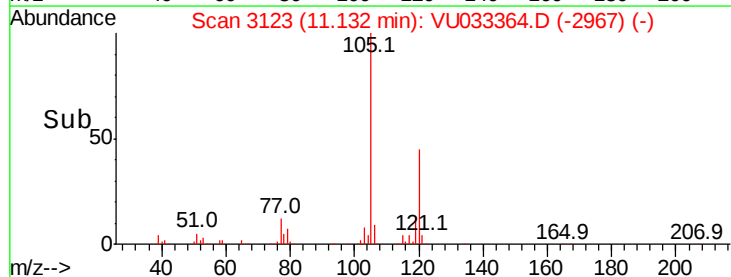
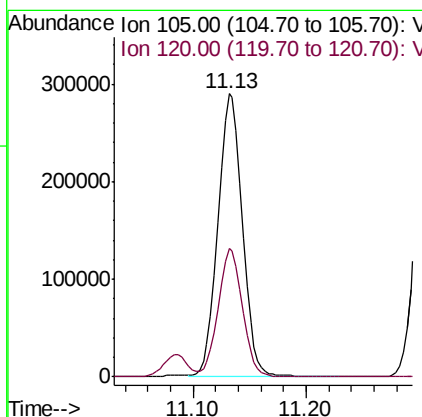
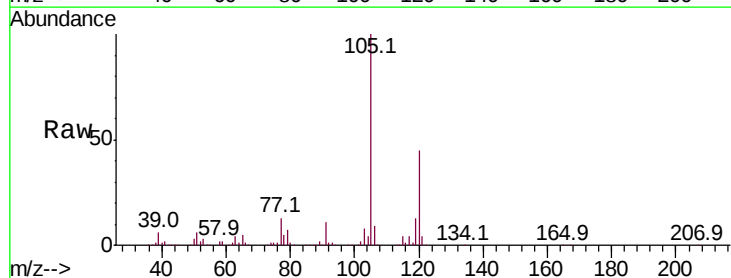
MMDadoda

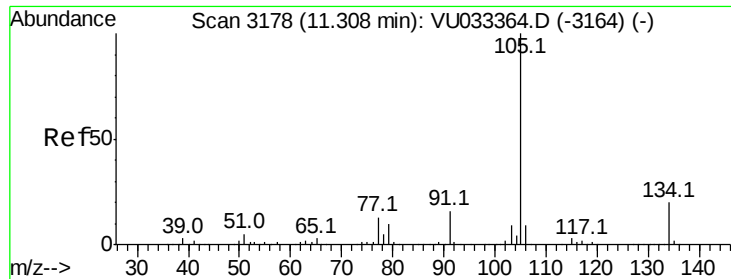
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#78
1,2,4-Trimethylbenzene
Concen: 13.335 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	435239		
120	45.0		22.5	67.5



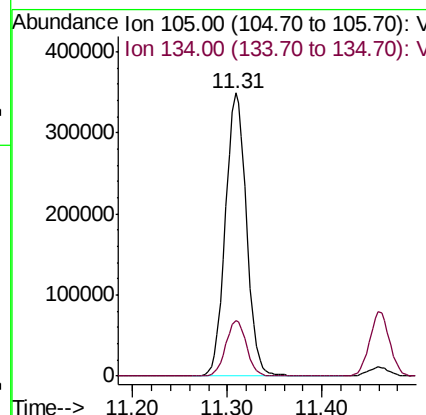
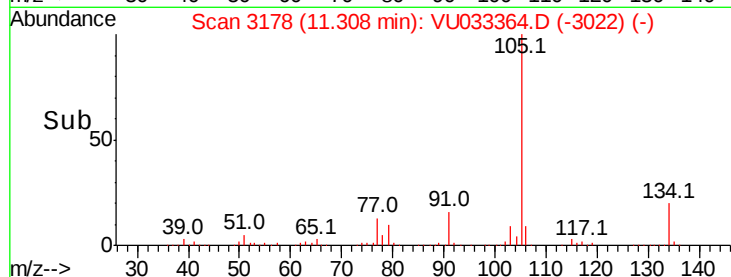
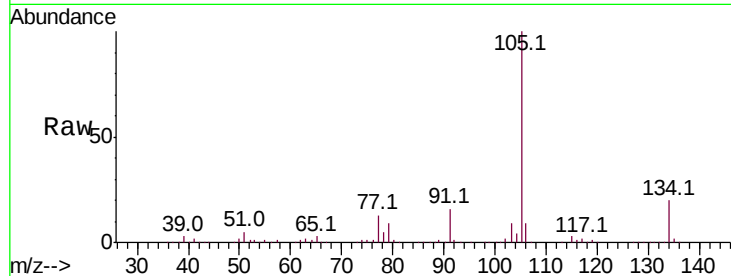


#79
 sec-Butylbenzene
 Concen: 12.996 ug/l
 RT: 11.31 min Scan# 3178
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

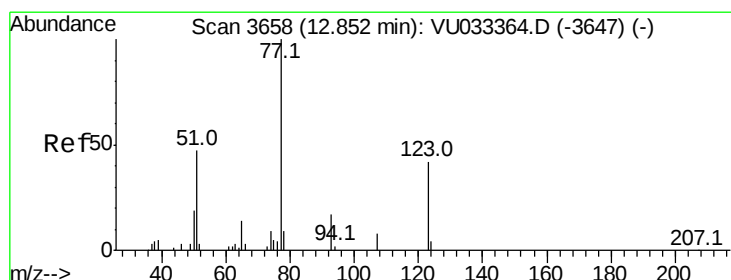
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

Manual Integrations
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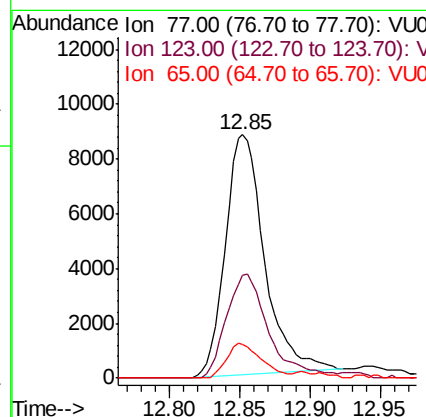
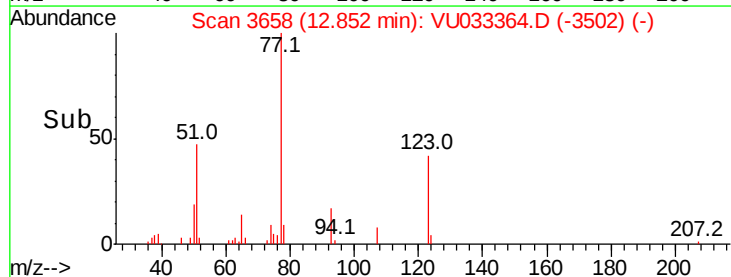
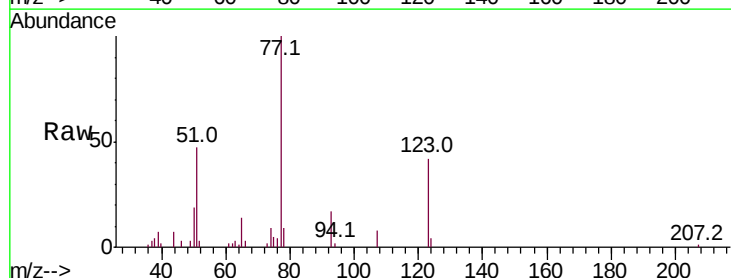
MMDadoda

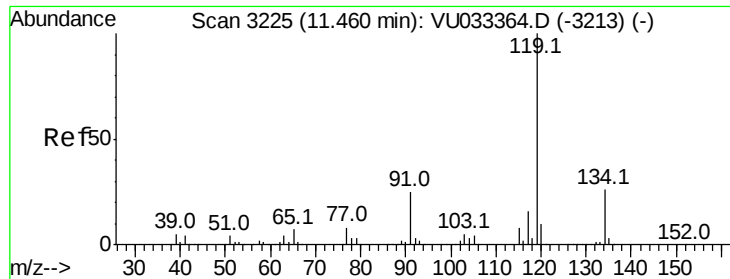
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#80
 Nitrobenzene
 Concen: 66.971 ug/l
 RT: 12.85 min Scan# 3658
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.8	19.3	68.3
65	11.5	10.1	12.9



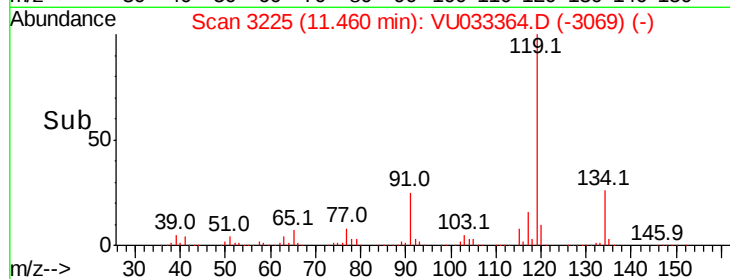
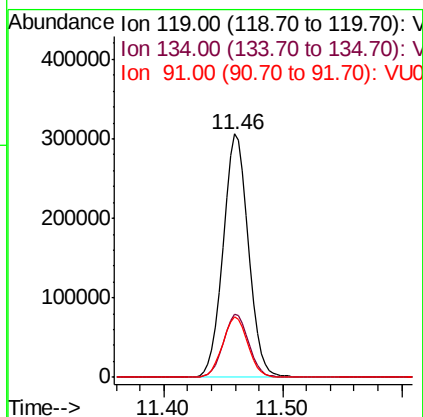
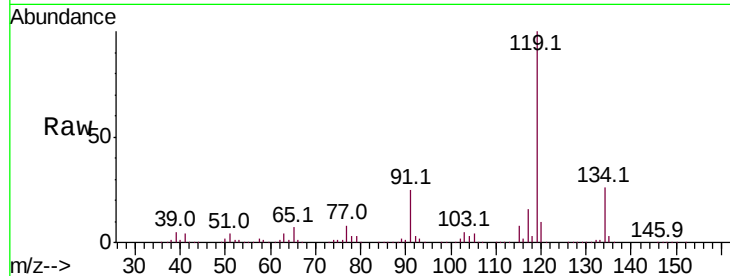


#81
p-Isopropyltoluene
Concen: 13.754 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

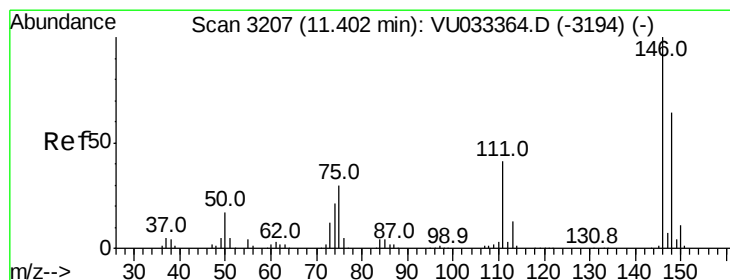
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	21.0	31.4
91	24.7	19.8	29.6

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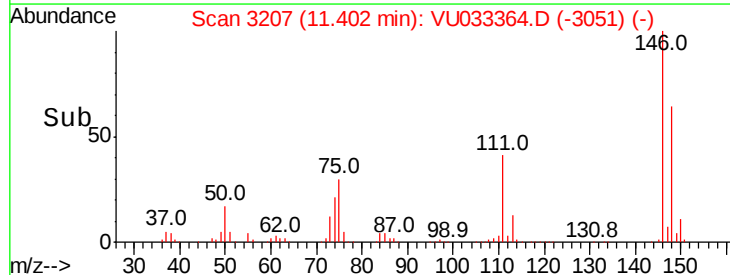
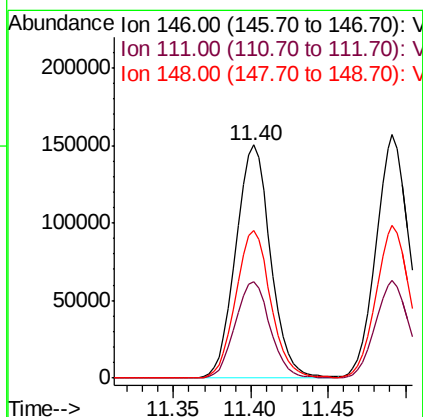
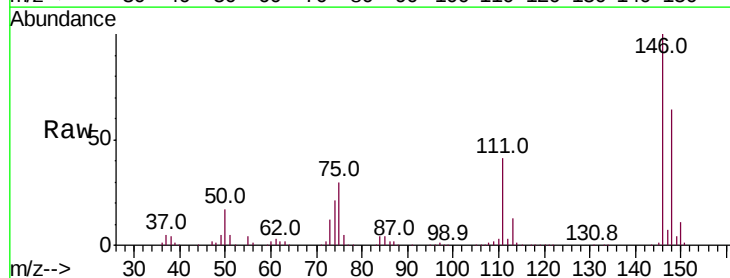
MMDadoda

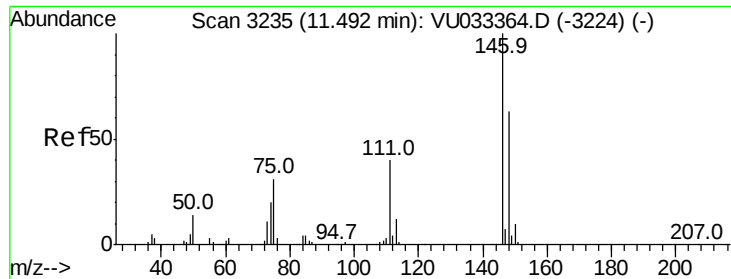
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#82
1,3-Dichlorobenzene
Concen: 12.292 ug/l
RT: 11.40 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	33.3	49.9
148	63.5	50.8	76.2



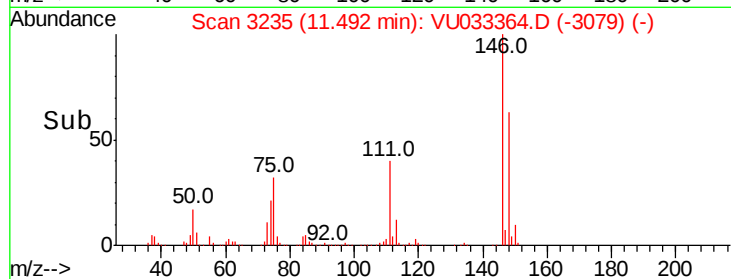
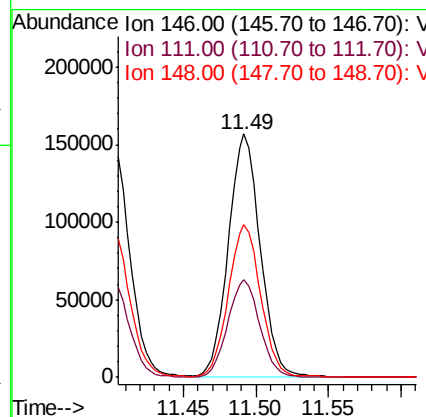
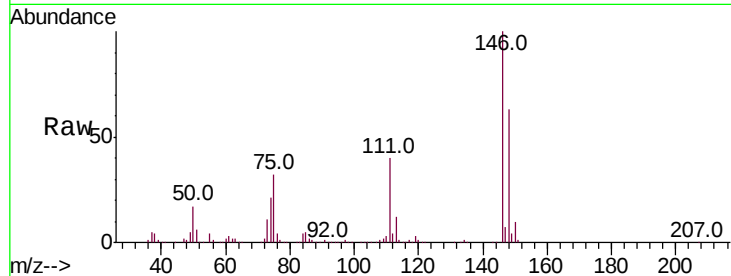


#83
 1,4-Dichlorobenzene
 Concen: 12.909 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

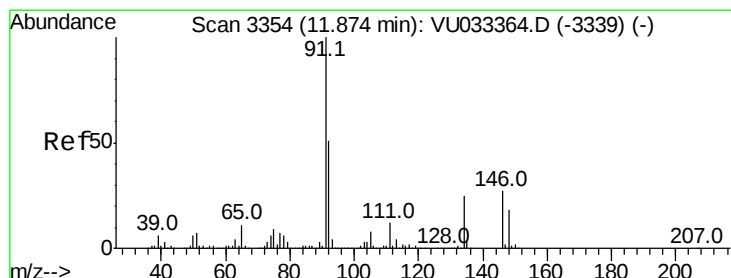
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	32.2	48.4
148	63.7	51.0	76.4

Manual Integrations
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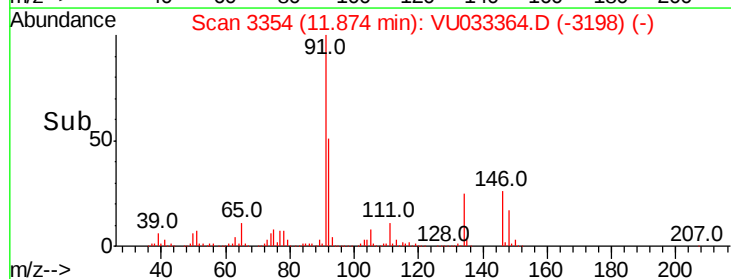
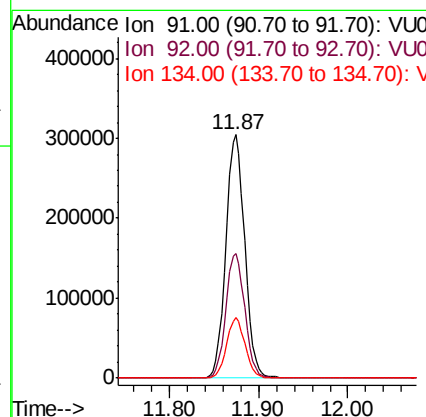
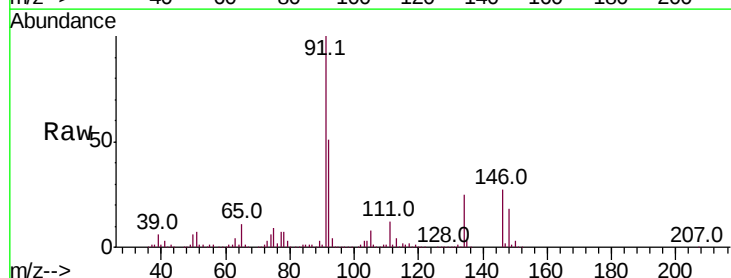
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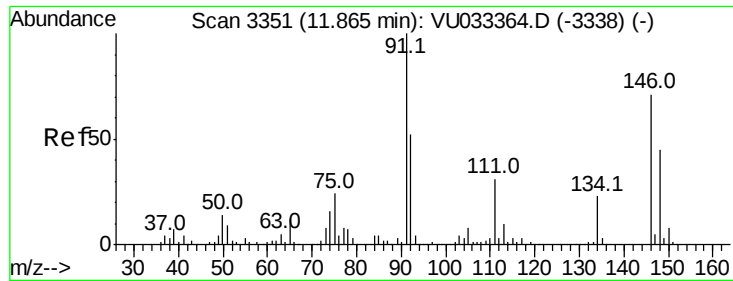
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#84
 n-Butylbenzene
 Concen: 14.133 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.3	41.0	61.6
134	24.4	19.5	29.3



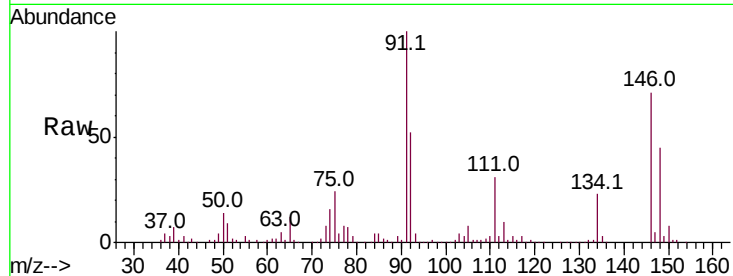


#85
 1,2-Dichlorobenzene
 Concen: 12.073 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

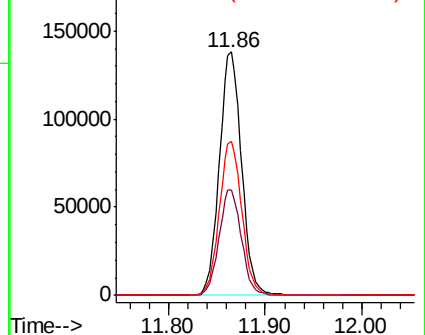
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.7	65.1
148	64.0	32.0	96.0

Manual Integrations
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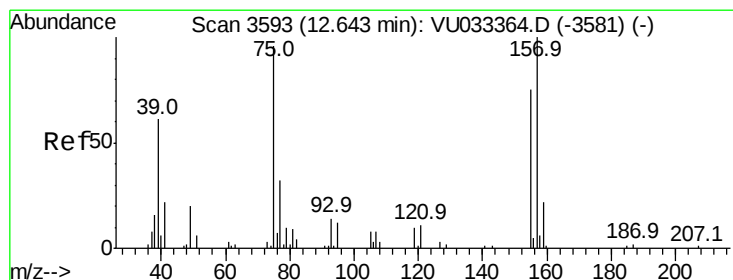
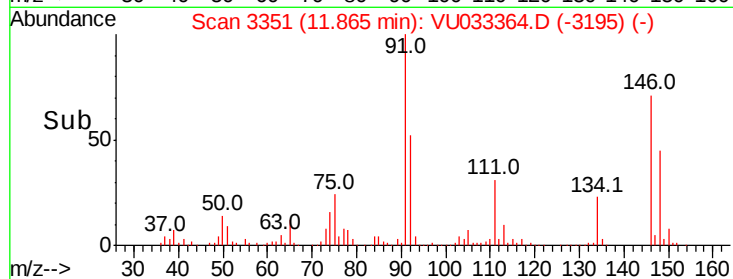


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



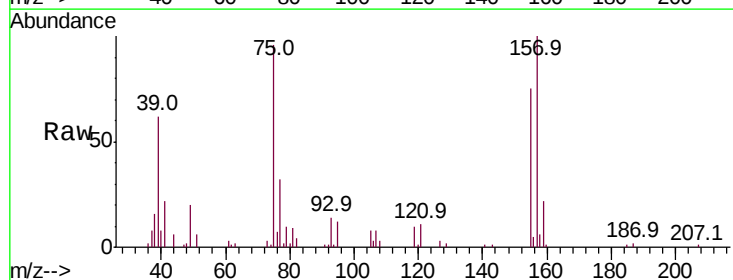
MMDadoda

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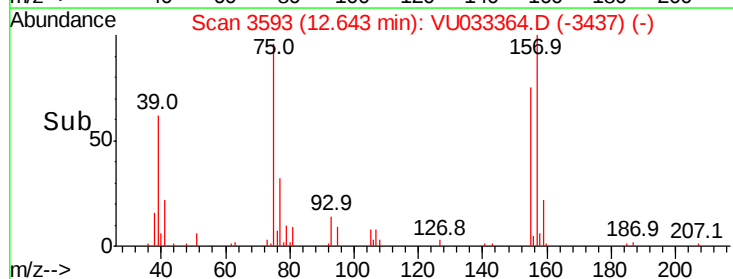
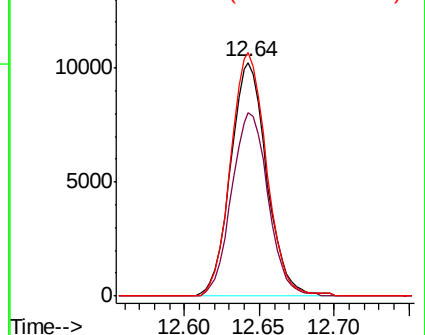


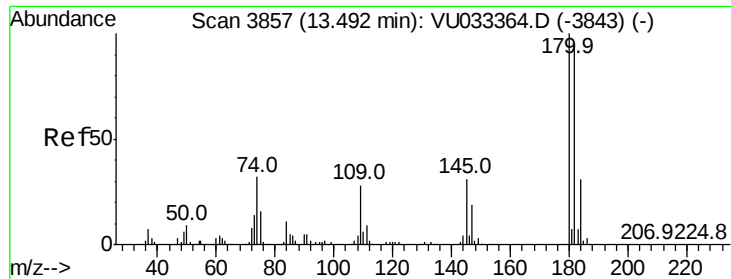
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.549 ug/l
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	63.3	94.9
157	103.1	82.5	123.7



Abundance Ion 75.00 (74.70 to 75.70): VUO
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V



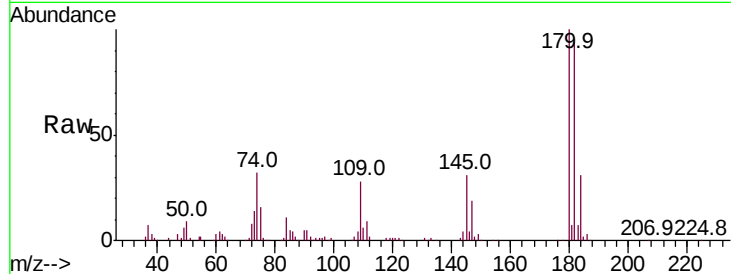


#87
 1,2,4-Trichlorobenzene
 Concen: 15.028 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

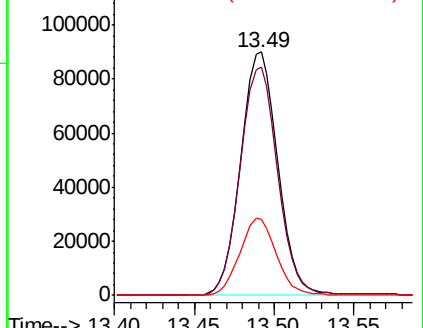
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	31.2	25.0	37.4

Manual Integrations
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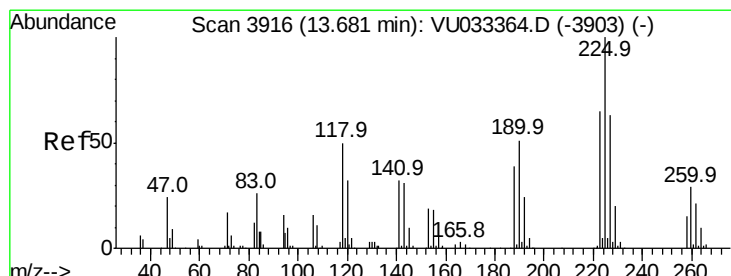
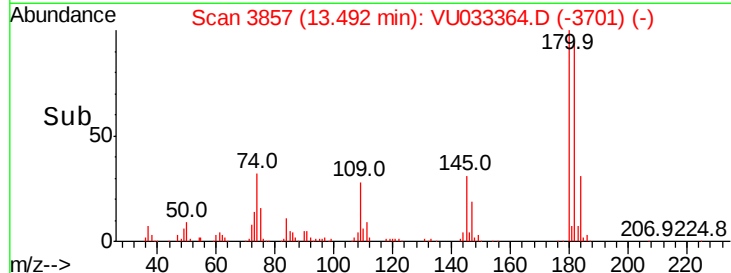


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



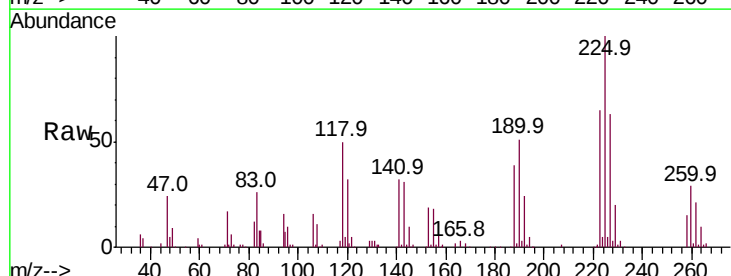
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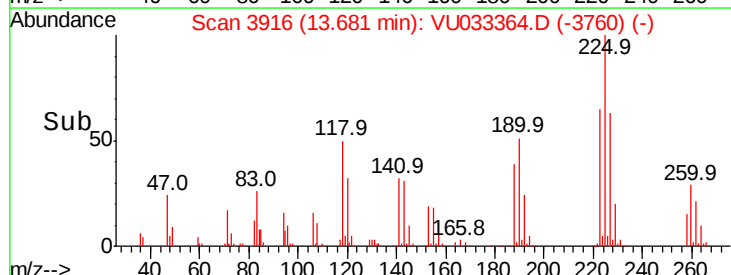
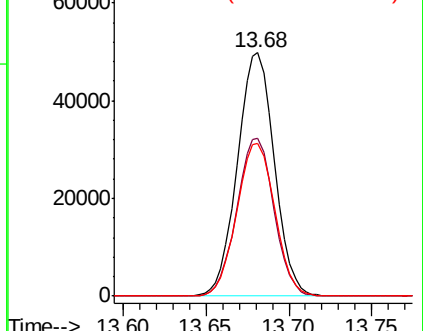


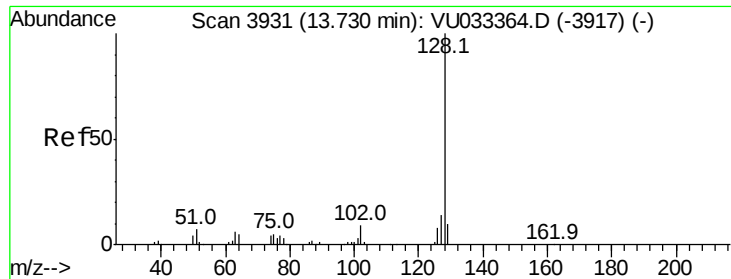
#88
 Hexachlorobutadiene
 Concen: 11.613 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. 0.00 min
 Lab File: VU033364.D
 Acq: 22 Jul 2019 21:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	52.2	78.4
227	64.6	51.7	77.5



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



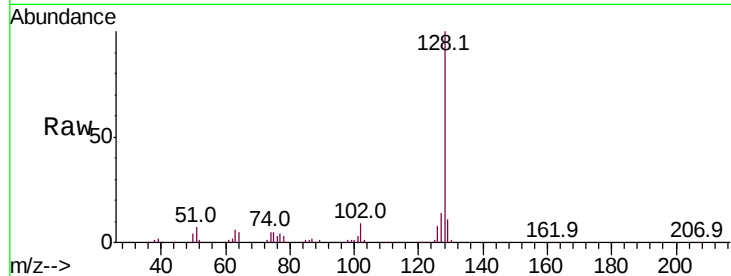


#89
Naphthalene
Concen: 16.894 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

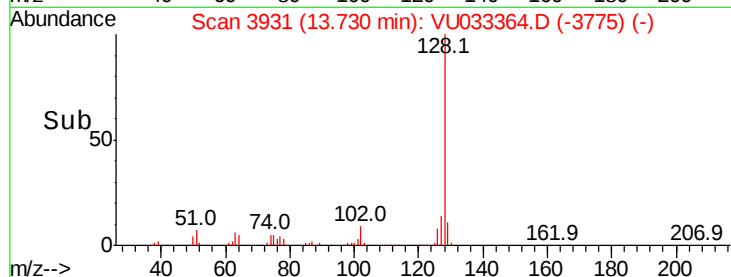
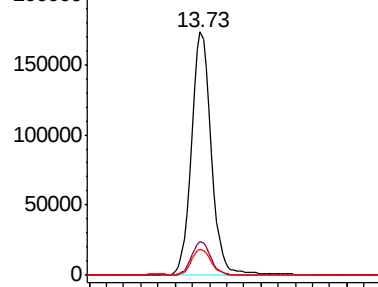
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:	128	Resp:	280105
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	10.6	8.5	12.7

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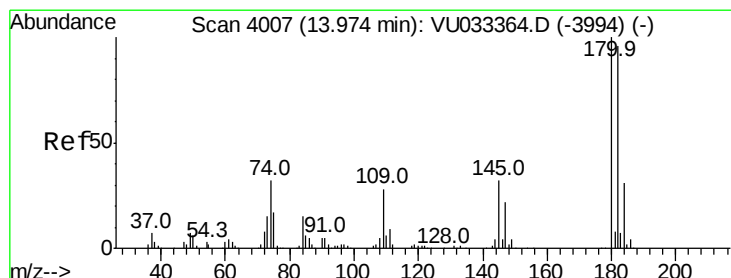
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



MMDadoda

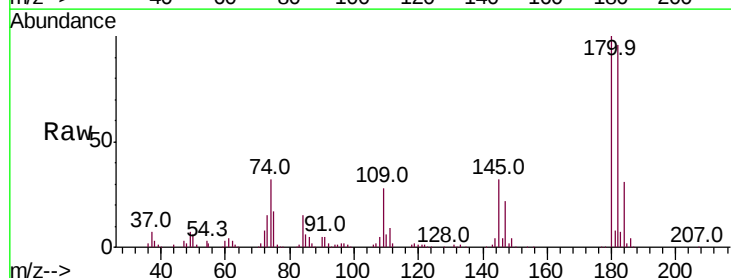
7/23/2019 8:55:10 AM

Time--> 13.60 13.70 13.80 13.90

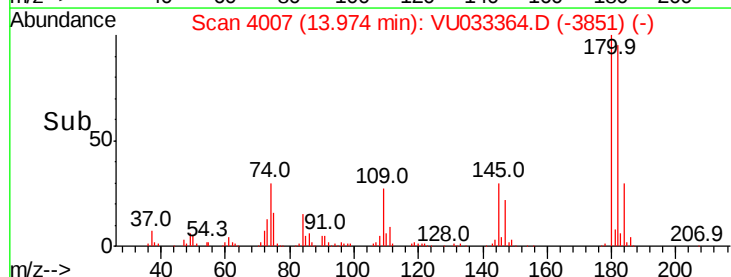
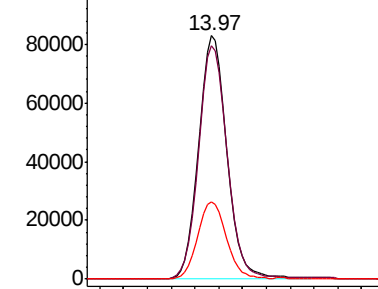


#90
1,2,3-Trichlorobenzene
Concen: 14.262 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033364.D
Acq: 22 Jul 2019 21:00

Tgt Ion:	180	Resp:	137161
Ion Ratio	Lower	Upper	
180	100		
182	97.4	77.9	116.9
145	32.3	25.8	38.8



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



Time--> 13.90 14.00