

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072219\
 Data File : VU033363.D
 Acq On : 22 Jul 2019 20:34
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Quant Time: Jul 23 02:20:52 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	31877	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	11884	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	12933	1.20	ug/l	0.00
Spiked Amount 1.000			Recovery	=	120.00%	

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	64270	4.519	ug/l	99
3) Chloromethane	1.32	50	69601	4.144	ug/l	98
4) Vinyl Chloride	1.39	62	79141	4.841	ug/l	98
5) Bromomethane	1.62	94	50996	6.148	ug/l	98
6) Chloroethane	1.69	64	54576	5.684	ug/l	100
7) Trichlorofluoromethane	1.87	101	107600	5.598	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	56086	5.892	ug/l	98
9) 1,1-Dichloroethene	2.27	96	55654	5.880	ug/l	98
10) Iodomethane	2.40	142	76824	7.099	ug/l	99
11) Allyl Chloride	2.58	41	90491	4.576	ug/l	99
12) Acrylonitrile	2.93	53	28854	10.202	ug/l	98
13) Acetone	2.32	43	61658	24.219	ug/l	99
14) Carbon Disulfide	2.46	76	205889	5.687	ug/l	100
15) Methylene Chloride	2.68	84	68682	5.715	ug/l	98
16) trans-1,2-Dichloroethene	2.96	96	62880	5.911	ug/l	94
17) 1,1-Dichloroethane	3.42	63	86423	4.168	ug/l	99
18) 2-Butanone	4.26	43	64838	20.454	ug/l	98
19) Cyclohexane	4.96	56	66445m	4.209	ug/l	
20) Methylcyclohexane	6.39	83	66715	5.099	ug/l	98
21) 2,2-Dichloropropane	4.20	77	70007	4.554	ug/l	100
22) cis-1,2-Dichloroethene	4.20	96	50329	4.659	ug/l	99
23) Diethyl Ether	2.09	59	47561	5.332	ug/l	98
24) tert-Butyl Alcohol	2.85	59	64089	66.127	ug/l	100
25) Methyl tert-Butyl Ether	2.99	73	159749	5.815	ug/l	99
26) Bromochloromethane	4.52	128	21342	4.652	ug/l	96
27) Chloroform	4.65	83	92748	4.737	ug/l	100
28) 1,1,1-Trichloroethane	4.89	97	78550	4.745	ug/l	100
29) 1,1-Dichloropropene	5.11	75	65380	4.918	ug/l	98
30) Carbon Tetrachloride	5.11	117	68901	4.862	ug/l	98
31) Isopropyl Ether	3.56	45	109363	3.606	ug/l	97
32) Ethyl-t-butyl ether	4.05	59	107070	4.266	ug/l	99
33) Tert-Amyl methyl ether	5.56	73	99194	4.867	ug/l	99
34) Propionitrile	4.33	54	19717	22.825	ug/l #	97
35) Benzene	5.36	78	186907	4.605	ug/l	100
36) 1,2-Dichloroethane	5.38	62	62649	4.703	ug/l	99
37) Trichloroethene	6.16	130	48834	4.842	ug/l	97
38) 1,2-Dichloropropane	6.41	63	52080	4.554	ug/l	99
39) Methacrylonitrile	4.53	41	14736	4.169	ug/l	98
40) Methyl acrylate	4.41	55	23835	5.082	ug/l #	95
41) Tetrahydrofuran	4.63	42	15304	7.840	ug/l	98
42) 1-Chlorobutane	5.04	56	88777	4.470	ug/l	99

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 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

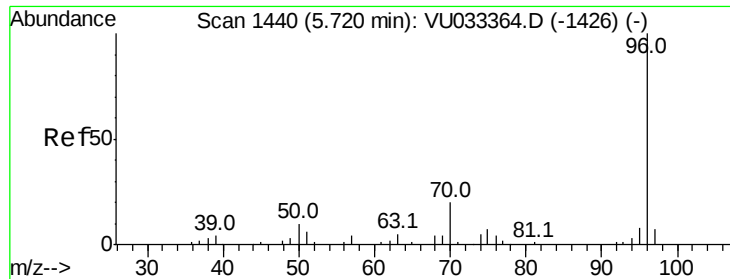
Manual Integrations
 APPROVED

Quant Time: Jul 23 02:20:52 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	29479	5.129	ug/l	98
44) Bromodichloromethane	6.74	83	67969	4.800	ug/l	100
45) 4-Methyl-2-Pentanone	7.45	43	152388	22.807	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	26592m	12.288	ug/l	
47) Methyl methacrylate	6.61	69	46064	10.487	ug/l	98
48) Ethyl methacrylate	8.01	69	41117	5.377	ug/l	97 MMDadoda
49) Toluene	7.62	92	111993	5.231	ug/l	98
50) t-1,3-Dichloropropene	7.86	75	58791	5.241	ug/l	97
51) cis-1,3-Dichloropropene	7.25	75	67671	4.994	ug/l	98
52) 1,1,2-Trichloroethane	8.05	97	37902	5.027	ug/l	96
53) 1,3-Dichloropropane	8.22	76	66095	5.061	ug/l	99 7/23/2019 8:54:53 AM
54) 2-Hexanone	8.35	43	110255	24.358	ug/l	97
55) Dibromochloromethane	8.46	129	45578	5.343	ug/l	99
56) 1,2-Dibromoethane	8.57	107	36038	5.329	ug/l	96
58) Tetrachloroethene	8.21	164	44787	4.631	ug/l	97
59) Chlorobenzene	9.10	112	123875	5.431	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	45108	5.104	ug/l	99
61) Pentachloroethane	11.09	117	36917	5.715	ug/l	98
62) Hexachloroethane	12.13	117	37055	5.871	ug/l	99
63) Ethyl Benzene	9.23	91	206430	5.561	ug/l	99
64) m/p-Xylenes	9.36	106	175396	12.516	ug/l	94
65) o-Xylene	9.76	106	79033	5.788	ug/l	99
66) Styrene	9.77	104	141586	6.238	ug/l	99
67) Bromoform	9.94	173	24972	5.240	ug/l	99
69) Isopropylbenzene	10.15	105	207167	5.823	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.44	83	50977	5.235	ug/l	100
71) 1,2,3-Trichloropropane	10.48	75	36923m	5.194	ug/l	
72) Bromobenzene	10.44	156	52830	5.817	ug/l	98
73) n-propylbenzene	10.57	120	60285	6.447	ug/l	99
74) 2-Chlorotoluene	10.64	126	53955	6.081	ug/l	98
75) 1,3,5-Trimethylbenzene	10.76	105	192899	6.304	ug/l	99
76) 4-Chlorotoluene	10.76	126	56437	6.468	ug/l	97
77) tert-Butylbenzene	11.08	119	173479	6.032	ug/l	100
78) 1,2,4-Trimethylbenzene	11.13	105	194750	6.278	ug/l	100
79) sec-Butylbenzene	11.31	105	243852	6.212	ug/l	100
80) Nitrobenzene	12.85	77	6795	28.050	ug/l	91
81) p-Isopropyltoluene	11.46	119	197304	6.357	ug/l	98
82) 1,3-Dichlorobenzene	11.40	146	110961	6.104	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	112566	6.420	ug/l	99
84) n-Butylbenzene	11.87	91	201964	6.723	ug/l	99
85) 1,2-Dichlorobenzene	11.86	146	103062	5.949	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.64	75	8508	6.001	ug/l	93
87) 1,2,4-Trichlorobenzene	13.49	180	62678	6.977	ug/l	99
88) Hexachlorobutadiene	13.68	225	36812	5.833	ug/l	97
89) Naphthalene	13.73	128	115012	7.299	ug/l	98
90) 1,2,3-Trichlorobenzene	13.98	180	62907	6.882	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1439

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Instrument :

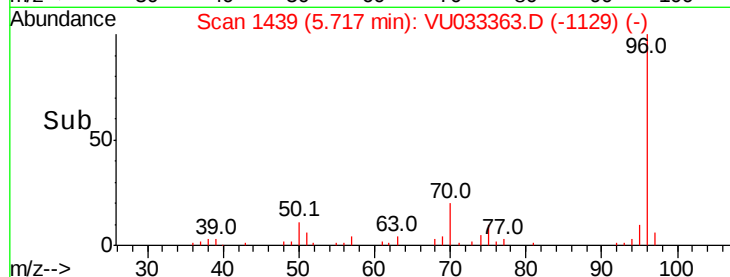
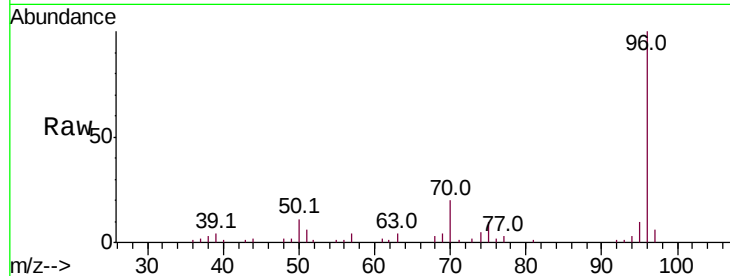
MSVOA_U

ClientSampleId :

VSTDIC005

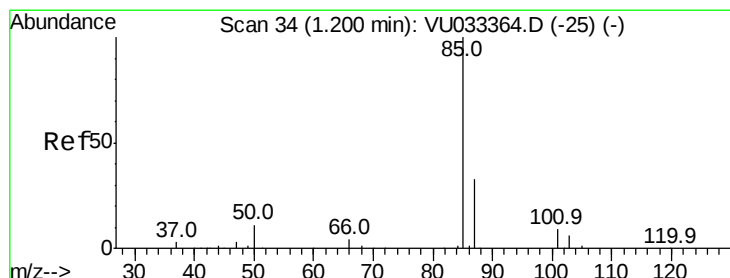
Tot Ion:	96	Resp:	31877
Ion	Ratio	Lower	Upper
96	100		
70	19.7	16.4	24.6
95	9.1	6.7	10.1
97	5.9	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 4.519 ug/l

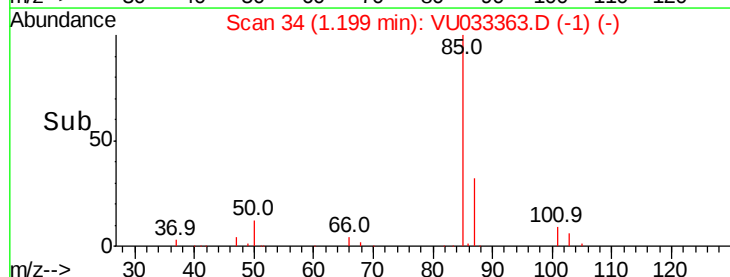
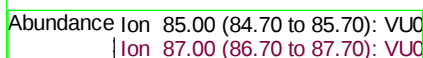
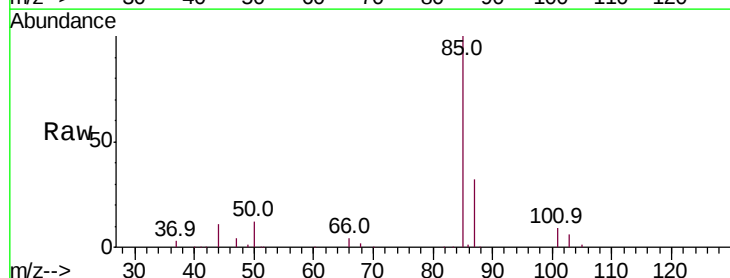
RT: 1.20 min Scan# 34

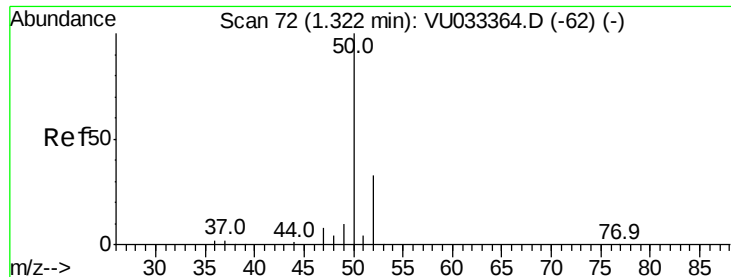
Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Tgt Ion:	85	Resp:	64270
Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.6	49.7



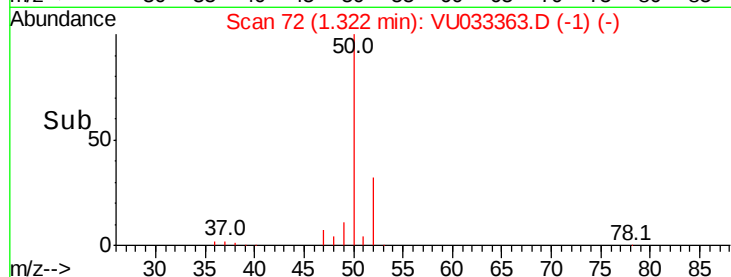
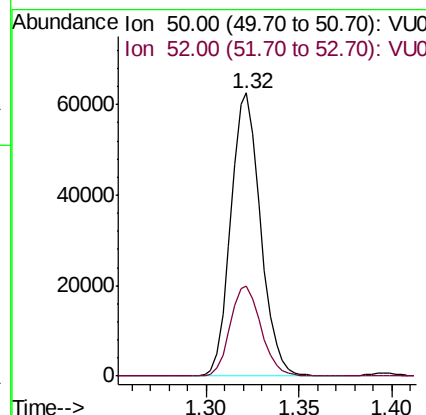
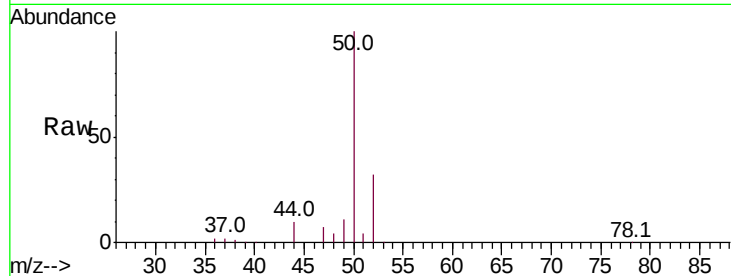


#3
Chloromethane
Concen: 4.144 ug/l
RT: 1.32 min Scan# 72
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

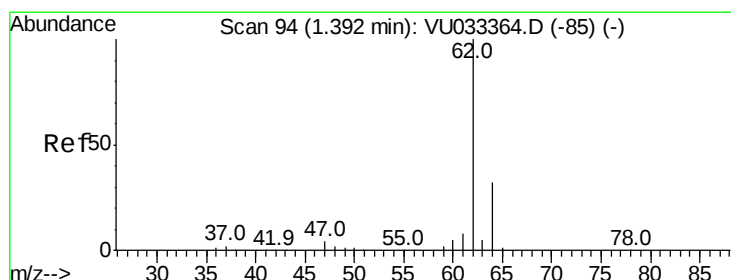
Tot Ion: 50 Resp: 69601
Ion Ratio Lower Upper
50 100
52 31.7 26.1 39.1

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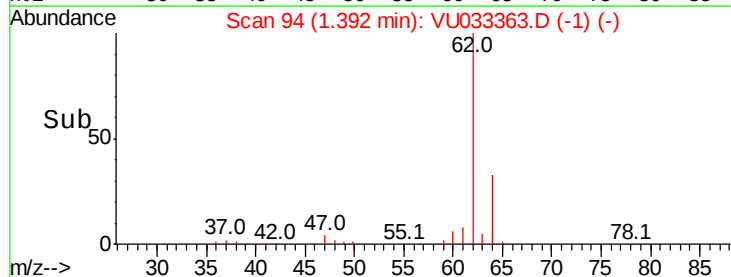
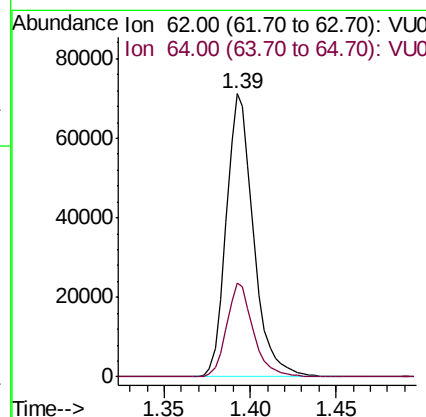
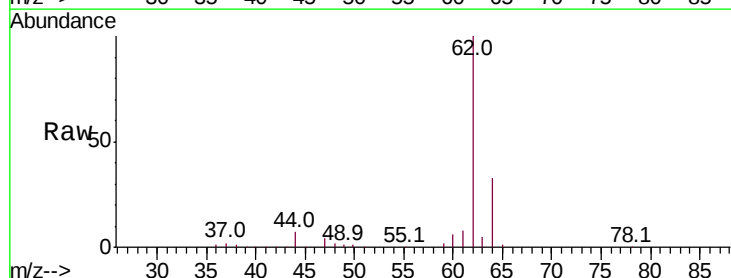
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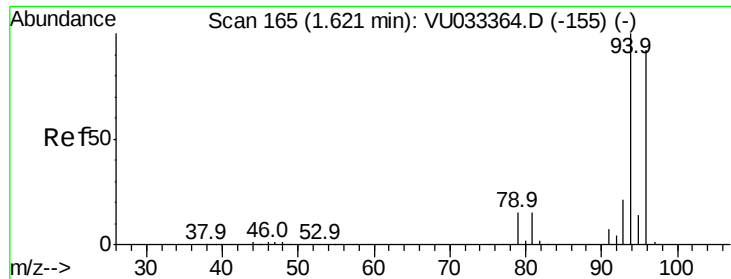
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#4
Vinyl Chloride
Concen: 4.841 ug/l
RT: 1.39 min Scan# 94
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion: 62 Resp: 79141
Ion Ratio Lower Upper
62 100
64 33.2 25.6 38.4





#5

Bromomethane

Concen: 6.148 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

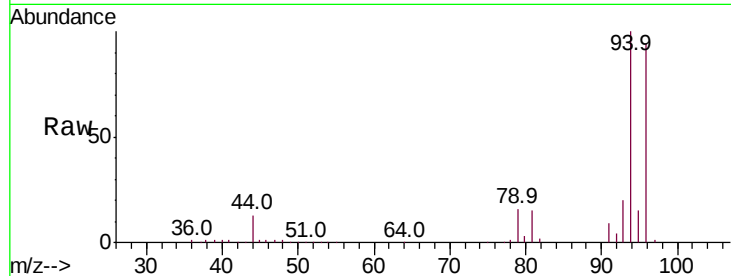
Tot Ion: 94 Resp: 50996

Ion Ratio Lower Upper

94 100

96 93.5 73.2 109.8

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VU033363.D (-160) (-)

Ion 96.00 (95.70 to 96.70): VU033363.D (-160) (-)

1.62

50000

40000

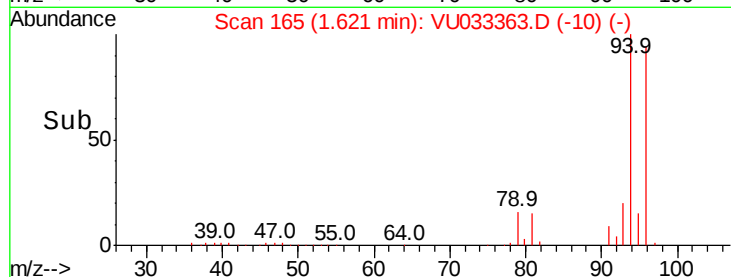
30000

20000

10000

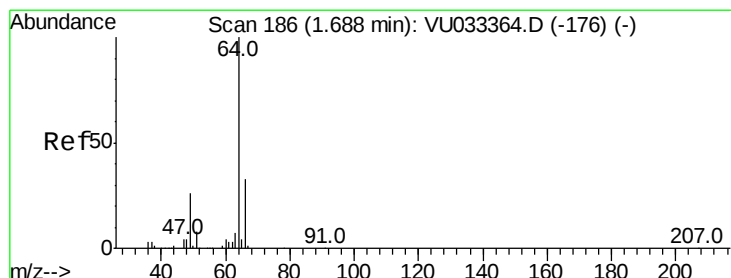
0

Time--> 1.55 1.60 1.65 1.70



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#6

Chloroethane

Concen: 5.684 ug/l

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033363.D

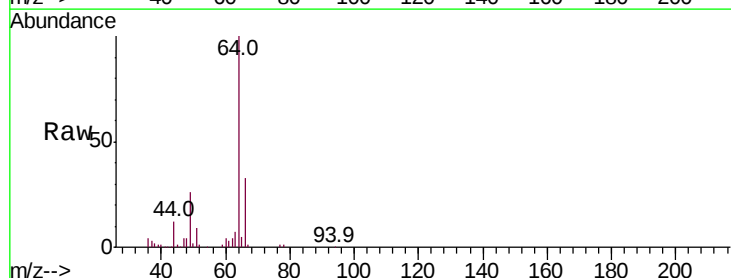
Acq: 22 Jul 2019 20:34

Tgt Ion: 64 Resp: 54576

Ion Ratio Lower Upper

64 100

66 33.0 26.4 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU033363.D (-31) (-)

Ion 66.00 (65.70 to 66.70): VU033363.D (-31) (-)

1.69

50000

40000

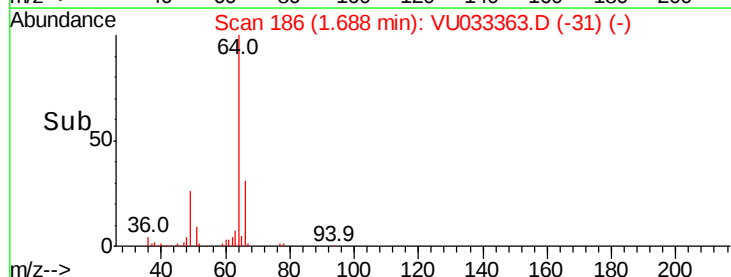
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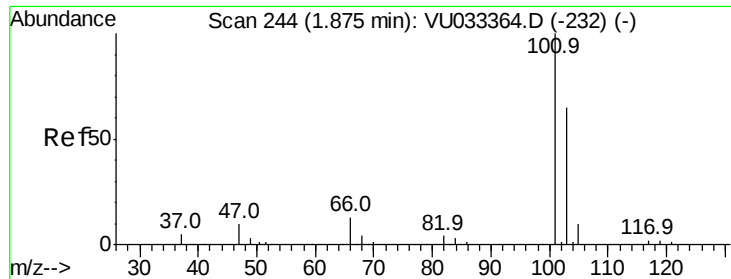
20000

10000

0

Time--> 1.65 1.70 1.75





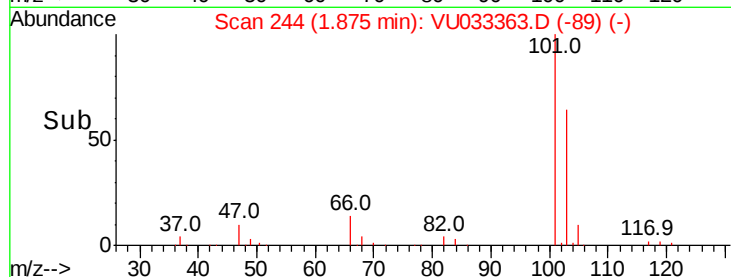
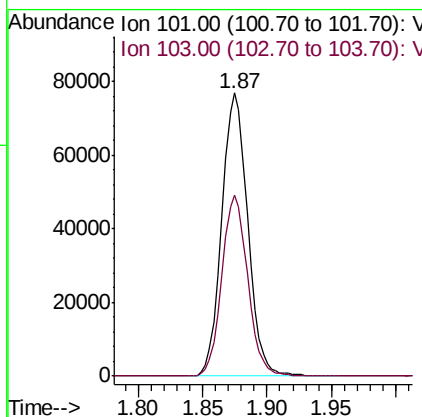
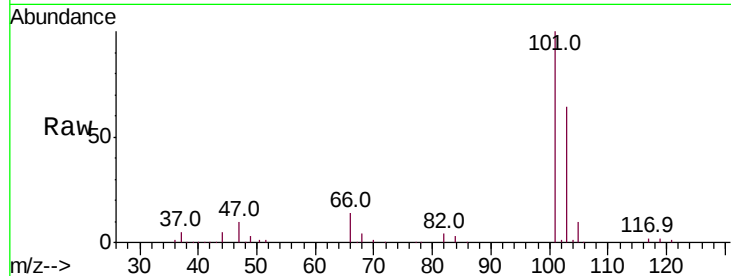
#7

Trichlorofluoromethane
Concen: 5.598 ug/l
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

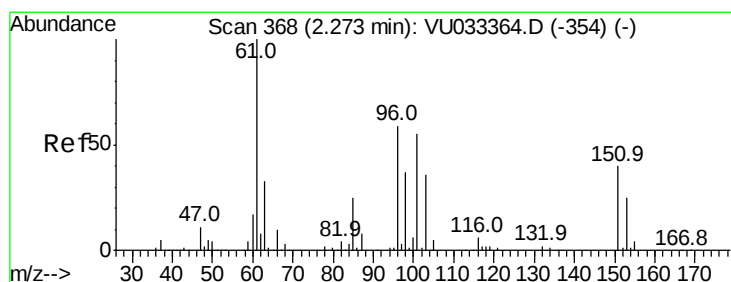
Tot Ion	Ratio	Resp	Lower	Upper
101	100	107600		
103	63.8	52.2	78.2	

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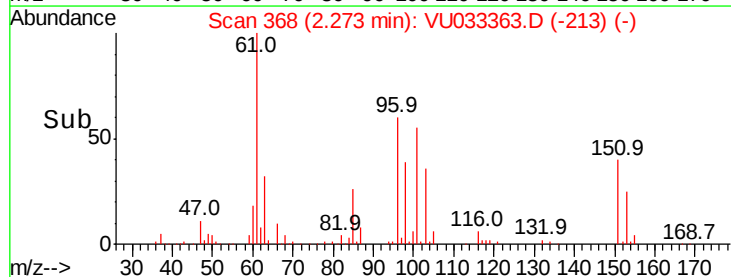
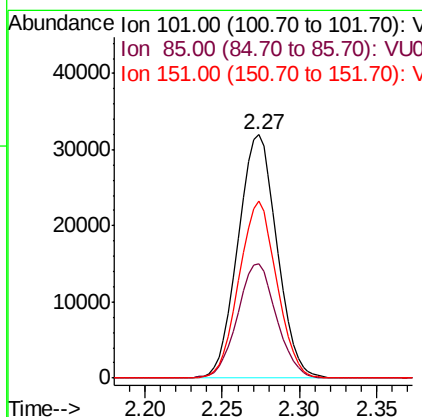
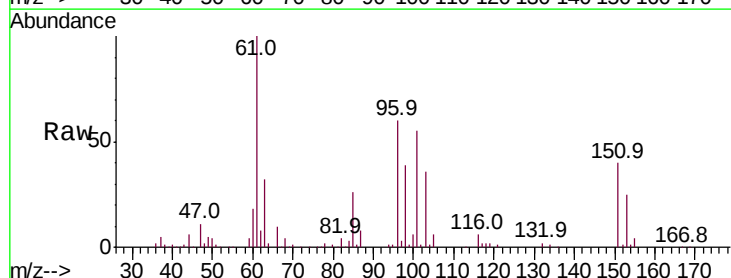
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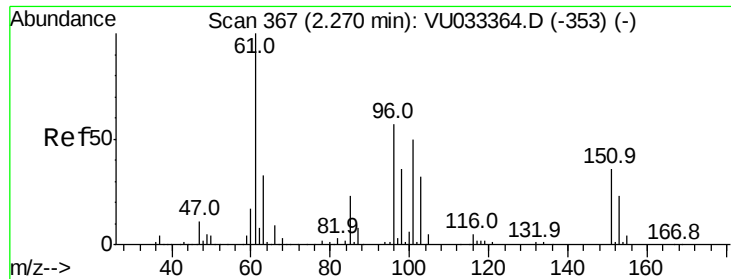


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.892 ug/l
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	56086		
85	46.8	37.5	56.3	
151	70.5	58.3	87.5	





#9

1,1-Dichloroethene

Concen: 5.880 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Instrument :

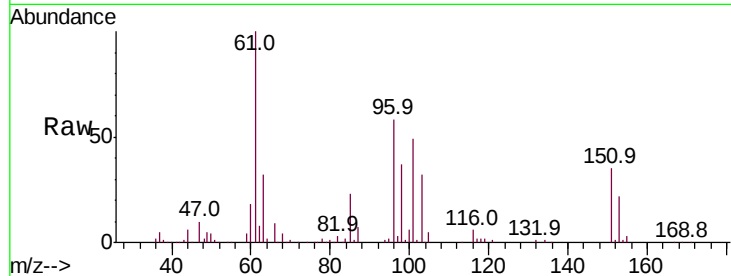
MSVOA_U

ClientSampleId :

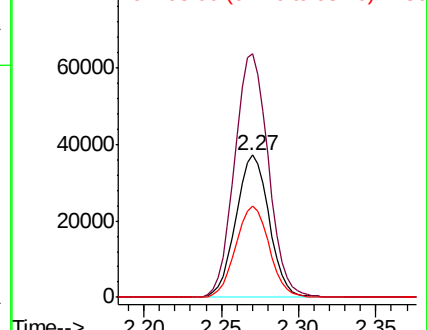
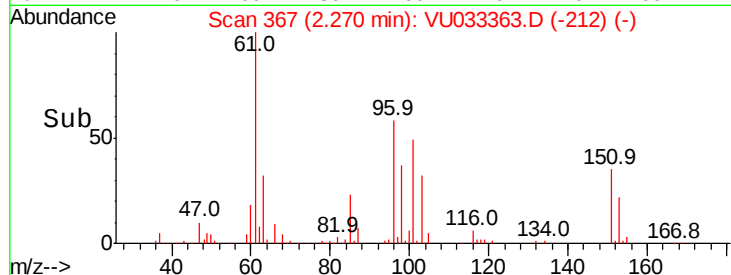
VSTDIC005

Tot Ion:	96	Resp:	55654
Ion	Ratio	Lower	Upper
96	100		
61	171.6	0.0	525.6
98	64.1	0.0	126.4

Manual Integrations
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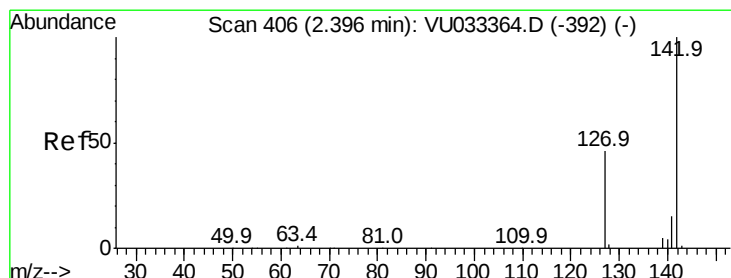


Abundance Ion 96.00 (95.70 to 96.70): VU033363.D (-212) (-)



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#10

Iodomethane

Concen: 7.099 ug/l

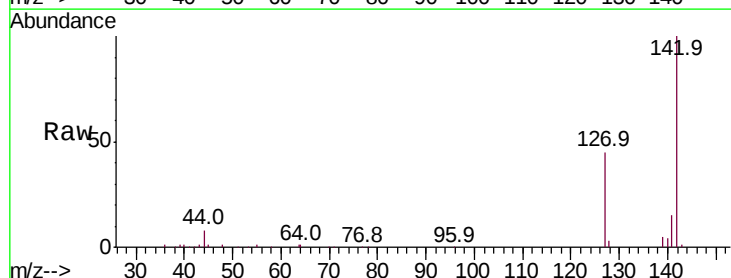
RT: 2.40 min Scan# 406

Delta R.T. -0.00 min

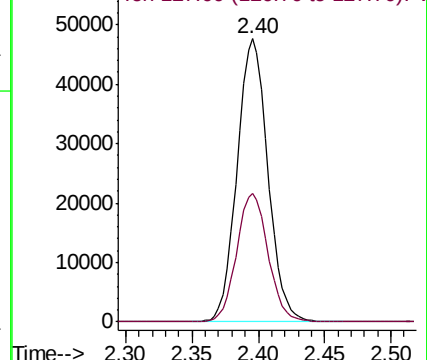
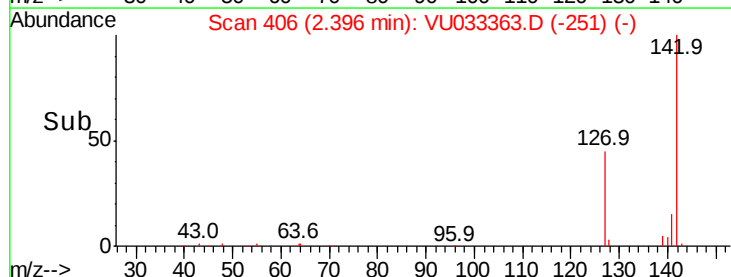
Lab File: VU033363.D

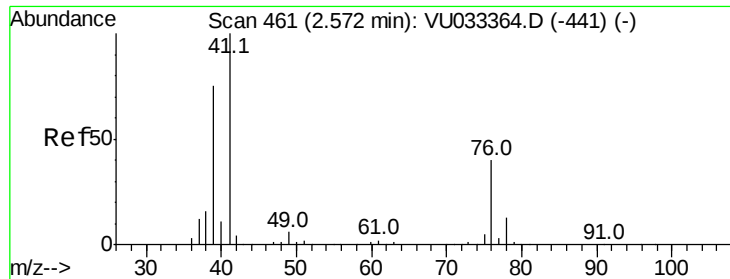
Acq: 22 Jul 2019 20:34

Tgt Ion:	142	Resp:	76824
Ion	Ratio	Lower	Upper
142	100		
127	46.6	37.8	56.6



Abundance Ion 142.00 (141.70 to 142.70): VU033363.D (-251) (-)



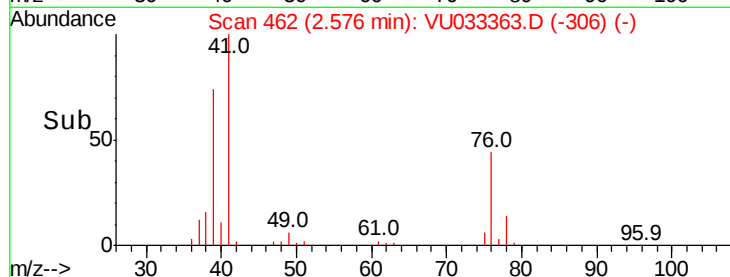
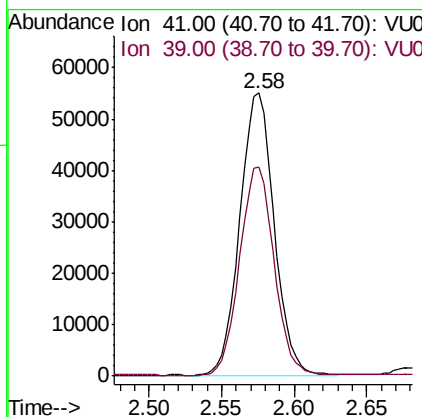
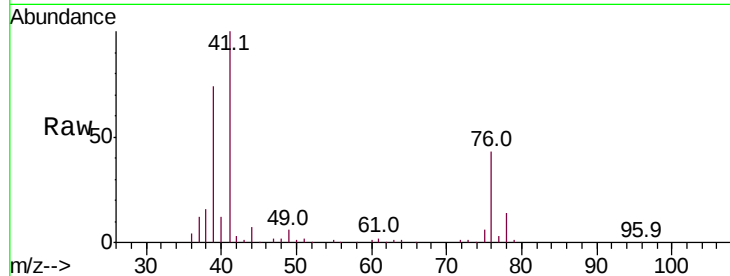


#11
Allvl Chloride
Concen: 4.576 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

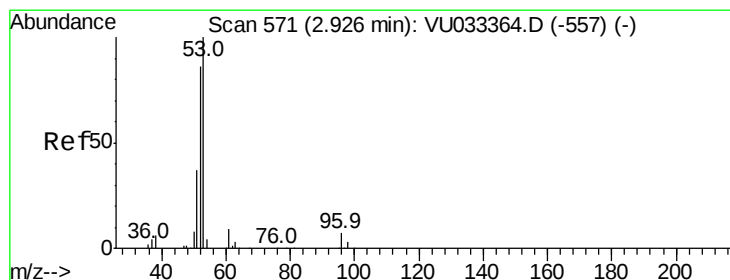
Tot Ion: 41 Resp: 90491
Ion Ratio Lower Upper
41 100
39 74.2 58.7 88.1

Manual Integrations
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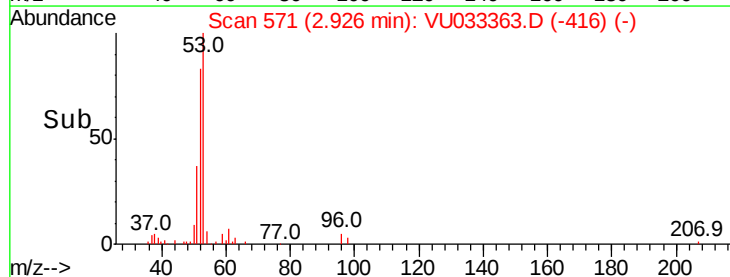
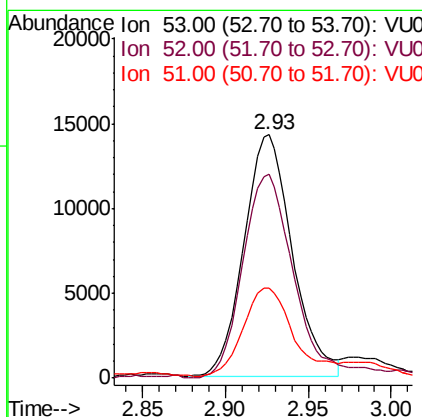
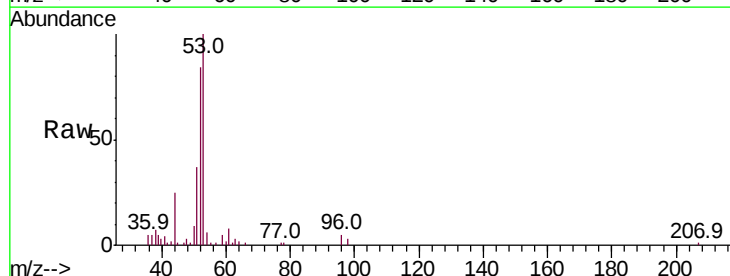
MMMadoda

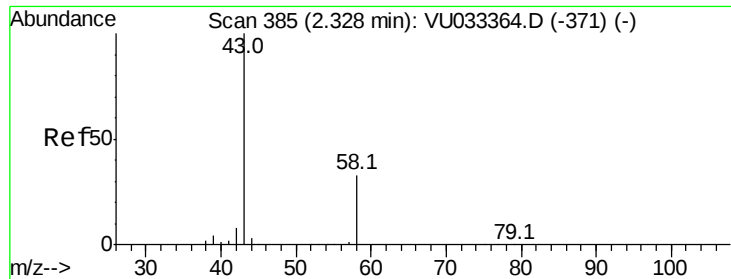
7/23/2019 8:54:53 AM



#12
Acrylonitrile
Concen: 10.202 ug/l
RT: 2.93 min Scan# 571
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion: 53 Resp: 28854
Ion Ratio Lower Upper
53 100
52 88.4 69.8 104.8
51 38.1 29.1 43.7





#13

Acetone

Concen: 24.219 ug/l

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

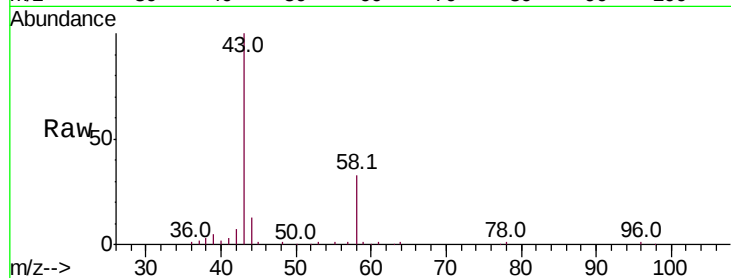
Tot Ion: 43 Resp: 61658

Ion Ratio Lower Upper

43 100

58 33.7 26.3 39.5

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VU033363.D (-230) (-)

Ion 58.00 (57.70 to 58.70): VU033363.D (-230) (-)

2.32

30000

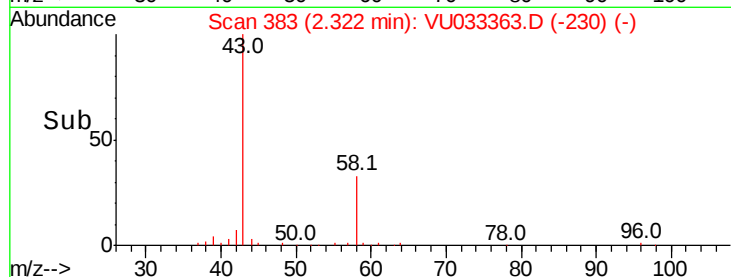
20000

10000

0

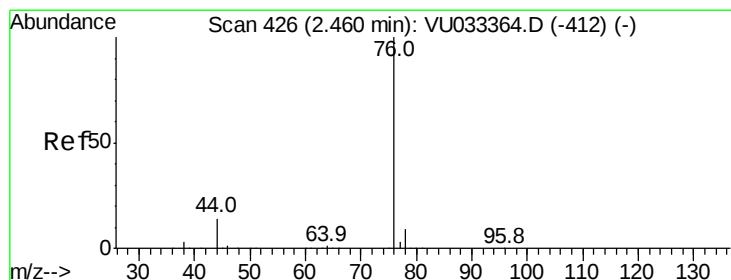
Time-->

2.25 2.30 2.35 2.40



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#14

Carbon Disulfide

Concen: 5.687 ug/l

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033363.D

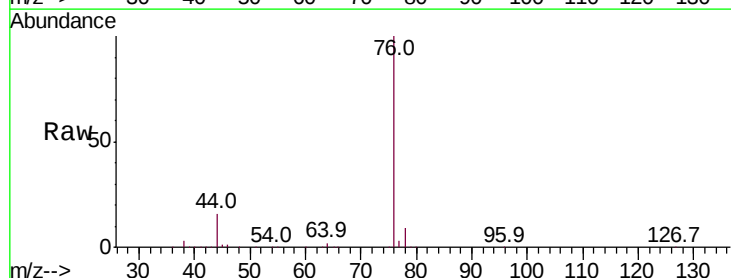
Acq: 22 Jul 2019 20:34

Tgt Ion: 76 Resp: 205889

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU033363.D (-271) (-)

Ion 78.00 (77.70 to 78.70): VU033363.D (-271) (-)

2.46

150000

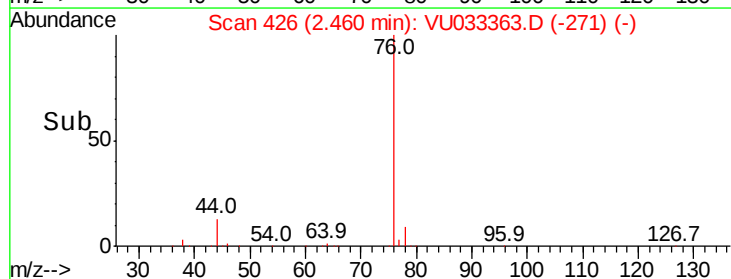
100000

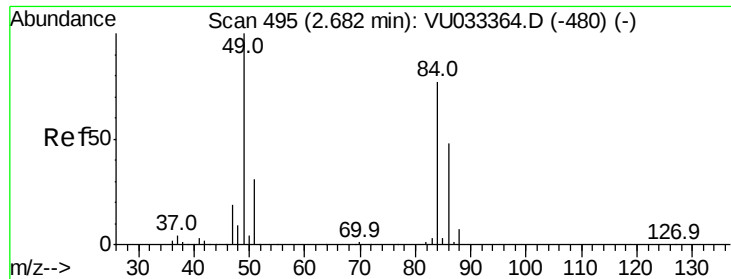
50000

0

Time-->

2.40 2.45 2.50 2.55



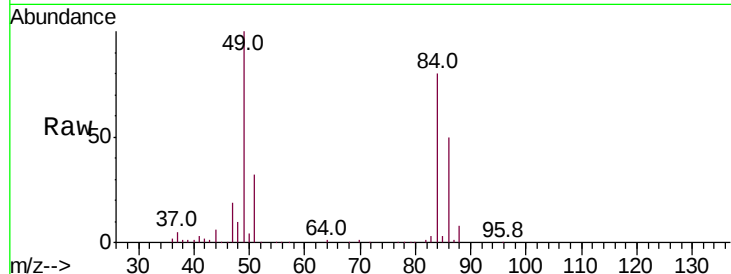


#15
Methvlene Chloride
Concen: 5.715 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	84	Resp:	68682
Ion	Ratio	Lower	Upper
84	100		
49	124.8	103.5	155.3
51	39.8	0.0	80.4
86	63.0	50.1	75.1

Manual Integrations
APPROVED



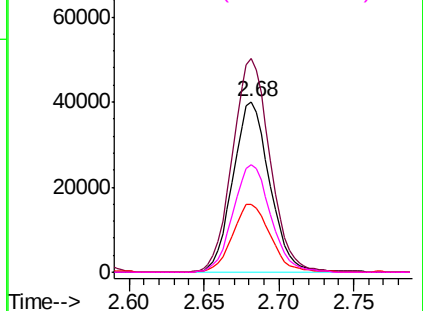
Abundance

Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

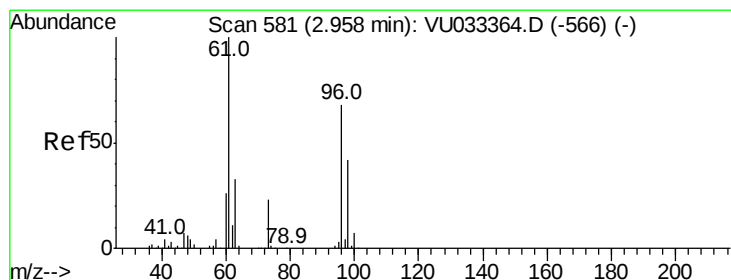
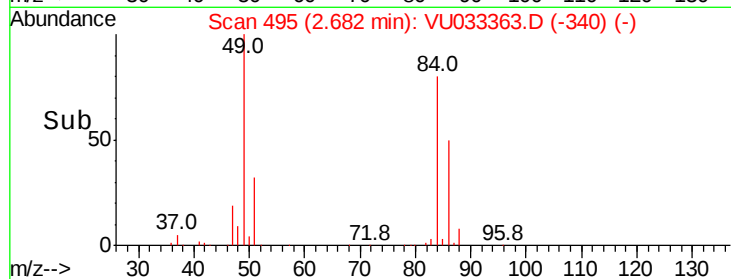
Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



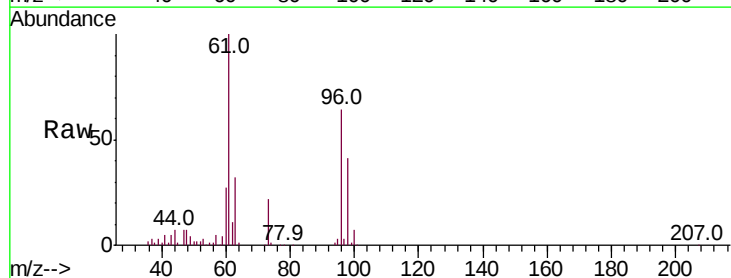
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#16
trans-1,2-Dichloroethene
Concen: 5.911 ug/l
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion:	96	Resp:	62880
Ion	Ratio	Lower	Upper
96	100		
61	156.4	118.0	177.0
98	63.5	49.4	74.2

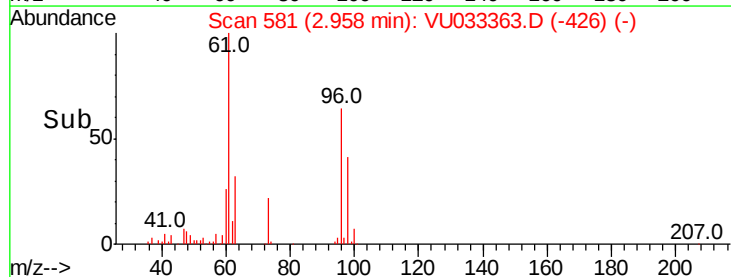
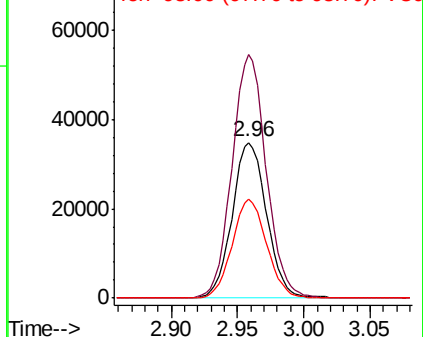


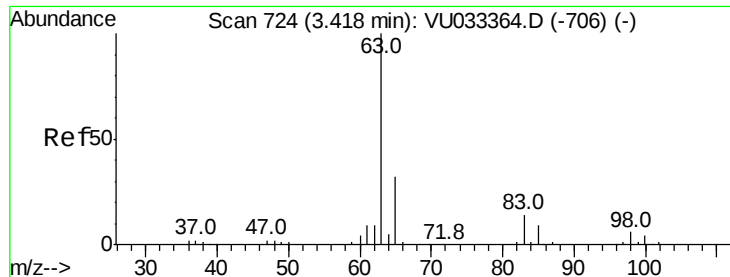
Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



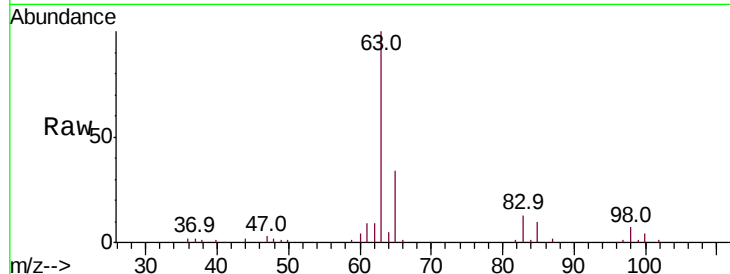


#17
 1,1-Dichloroethane
 Concen: 4.168 ug/l
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

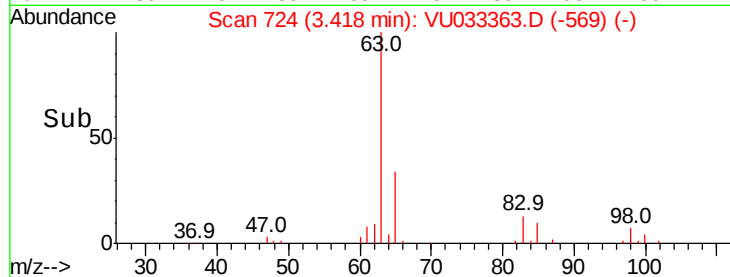
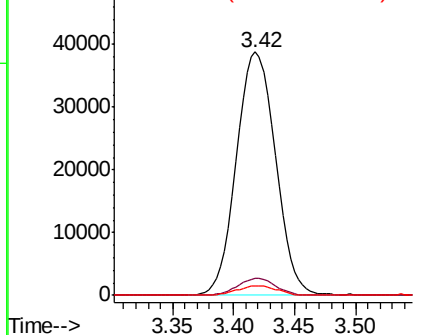
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	86423
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.2	9.6
100	3.8	2.1	6.2

Manual Integrations
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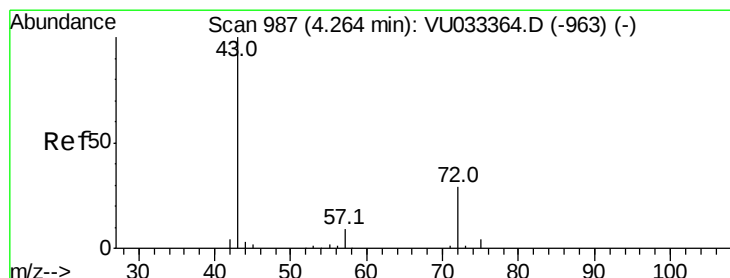


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0



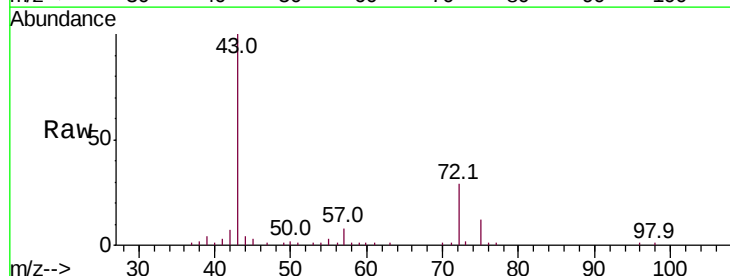
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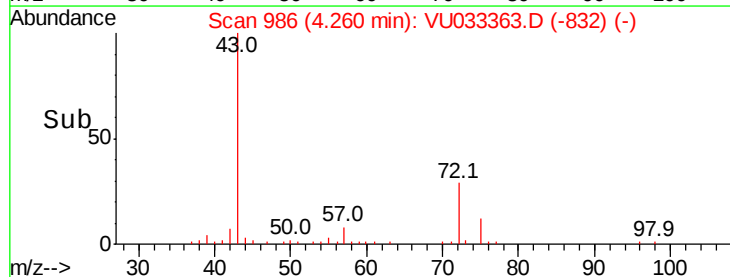
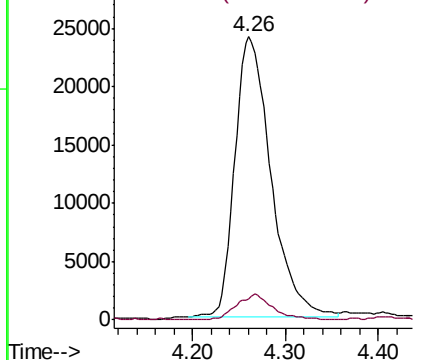


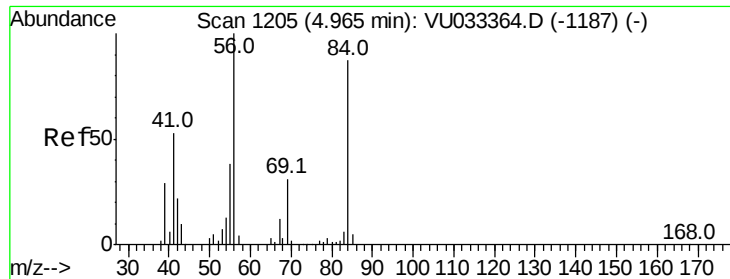
#18
 2-Butanone
 Concen: 20.454 ug/l
 RT: 4.26 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Tgt Ion:	43	Resp:	64838
Ion Ratio	Lower	Upper	
43	100		
57	7.6	0.0	17.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



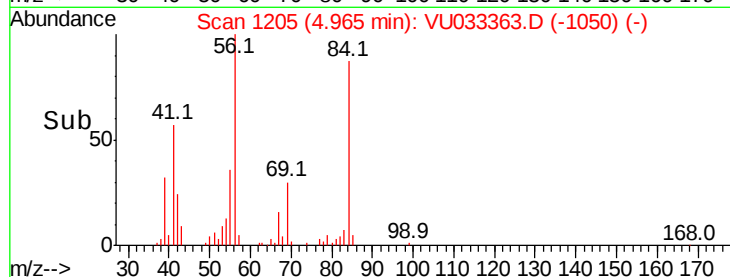
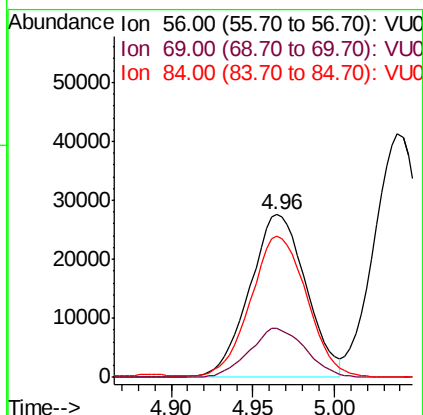
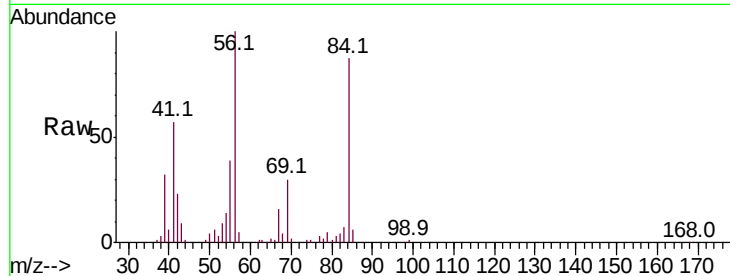


#19
Cyclohexane
Concen: 4.209 ug/l m
RT: 4.96 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

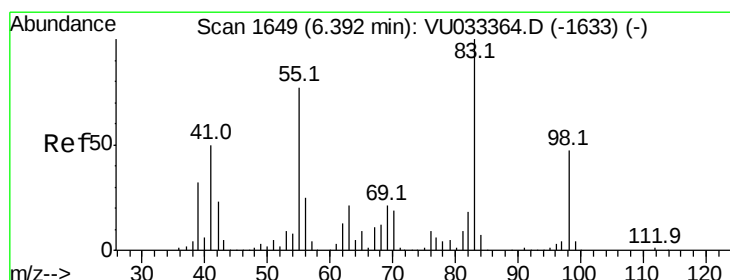
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.0	37.4
84	85.3	69.8	104.6

Manual Integrations
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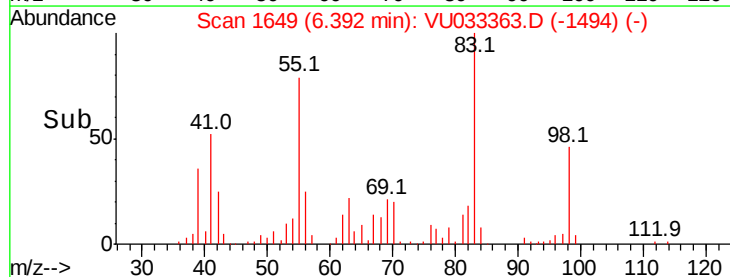
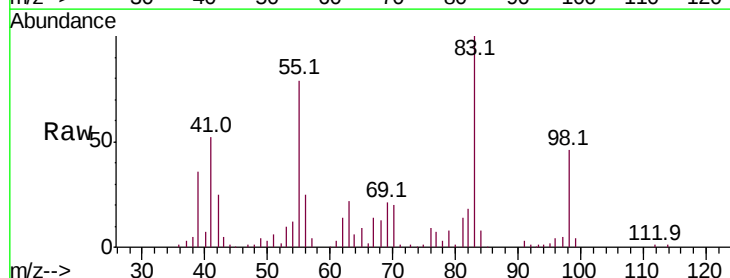
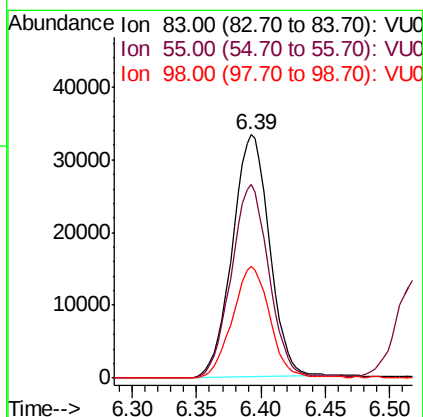
MMDadoda

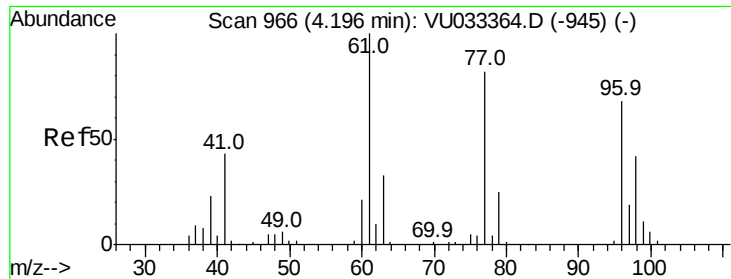
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#20
Methylcyclohexane
Concen: 5.099 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.4	62.3	93.5
98	45.3	37.4	56.0



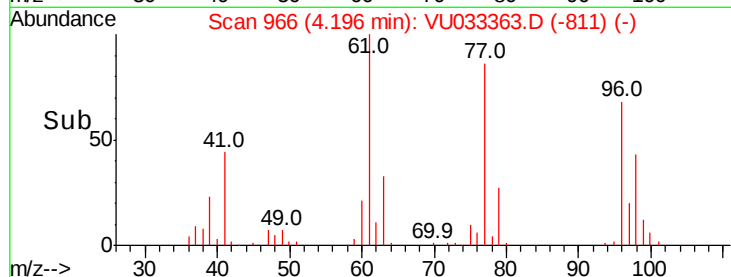
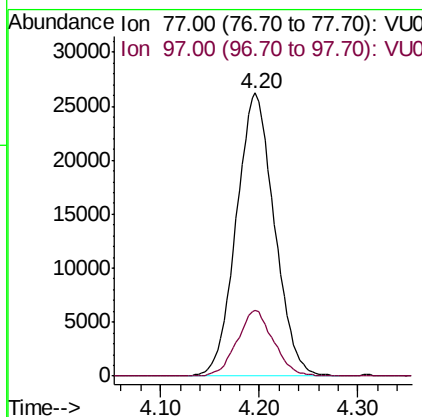
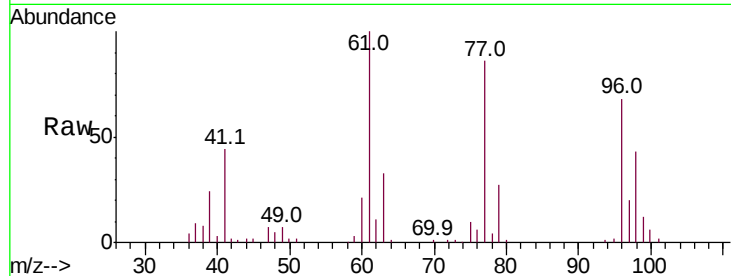


#21
 2,2-Dichloropropane
 Concen: 4.554 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

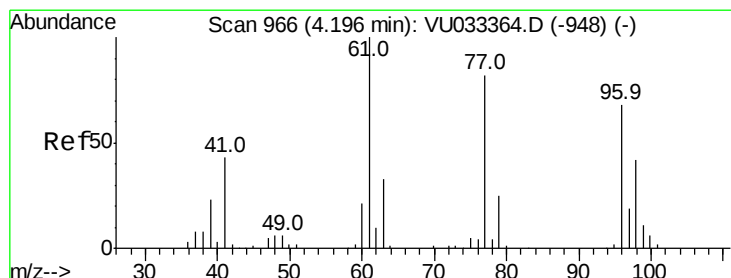
Tot Ion: 77 Resp: 70007
 Ion Ratio Lower Upper
 77 100
 97 22.1 17.8 26.8

Manual Integrations
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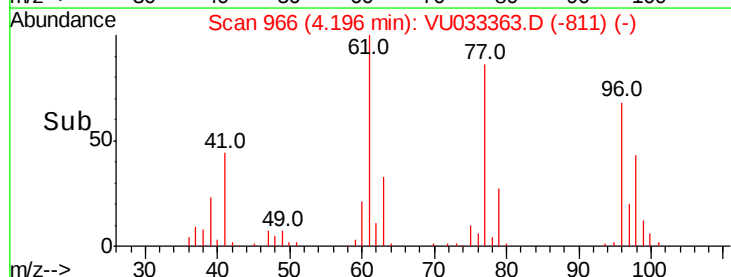
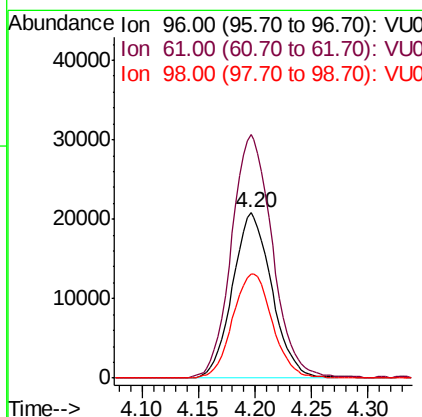
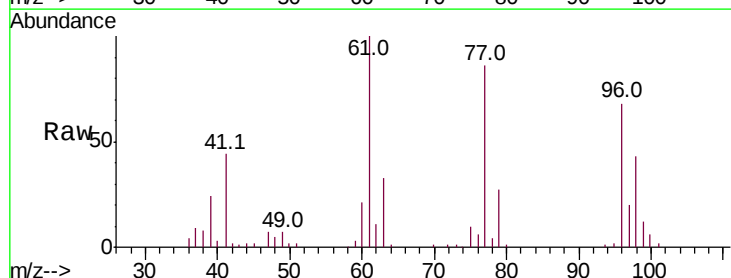
MMDadoda

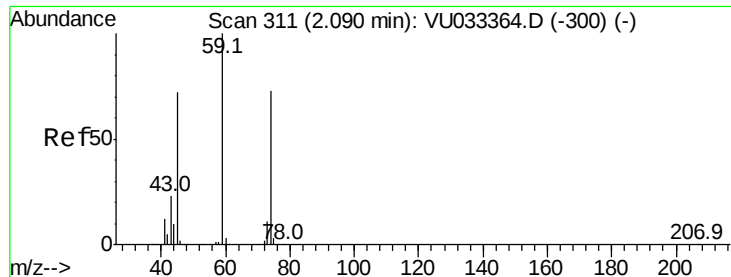
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#22
 cis-1,2-Dichloroethene
 Concen: 4.659 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Tgt Ion: 96 Resp: 50329
 Ion Ratio Lower Upper
 96 100
 61 153.0 0.0 376.3
 98 63.8 31.9 95.9



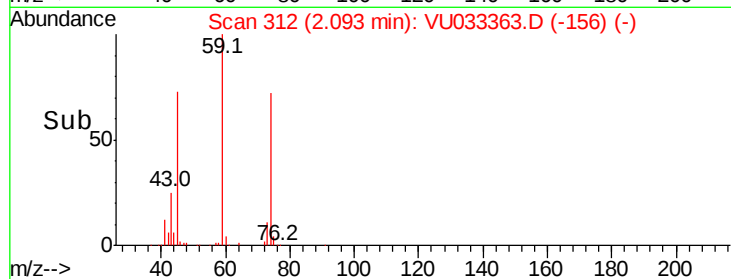
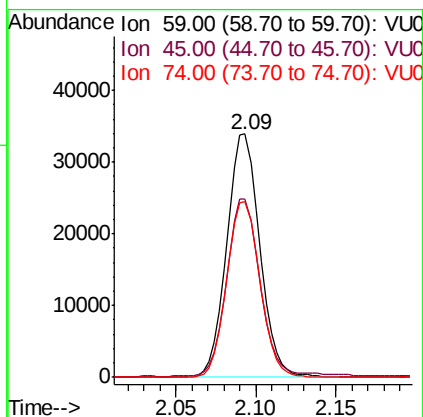
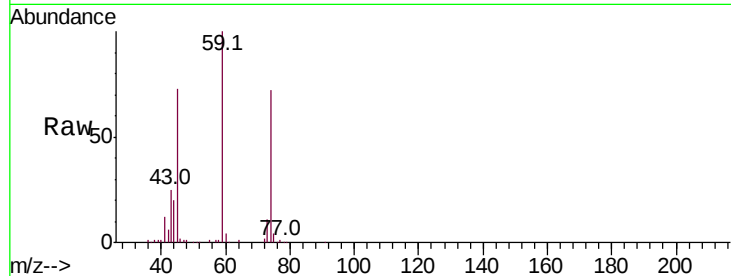


#23
Diethyl Ether
Concen: 5.332 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

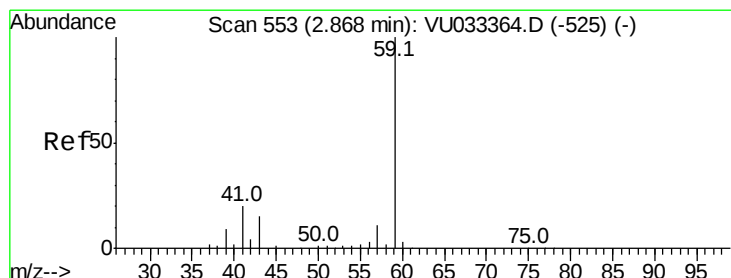
Tot Ion	59	Resp	47561
Ion	Ratio	Lower	Upper
59	100		
45	74.9	57.6	86.4
74	72.5	57.8	86.6

Manual Integrations
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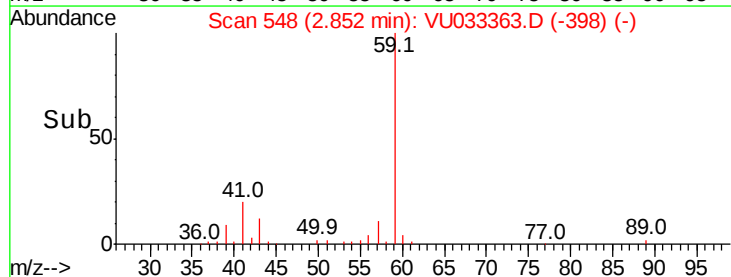
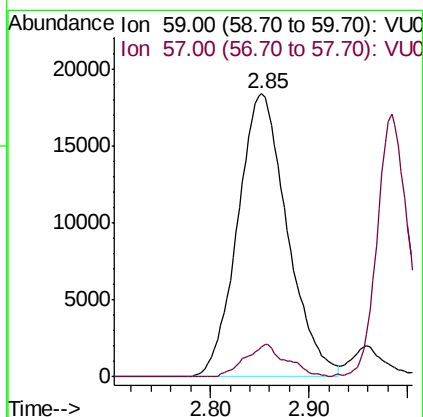
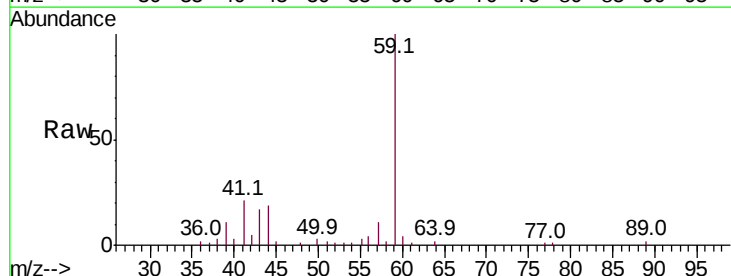
MMDadoda

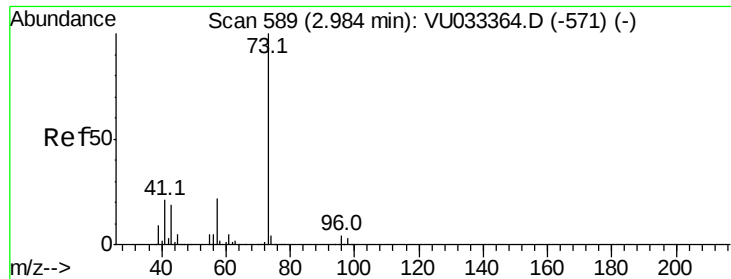
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#24
tert-Butyl Alcohol
Concen: 66.127 ug/l
RT: 2.85 min Scan# 548
Delta R.T. -0.02 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion	59	Resp	64089
Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8





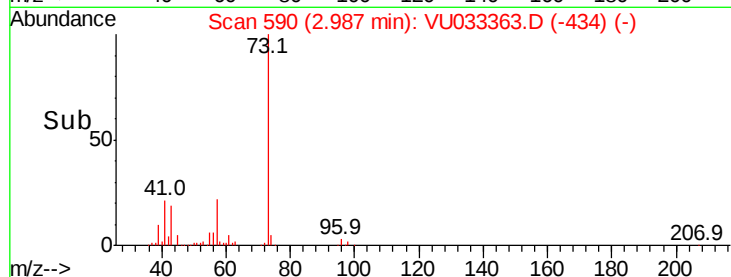
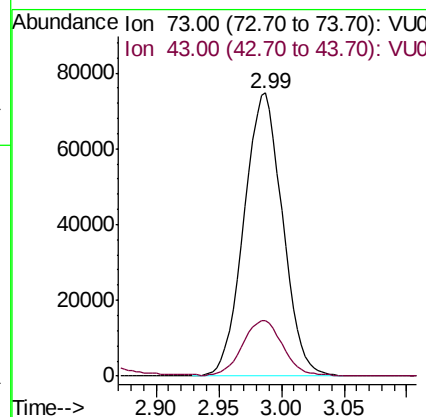
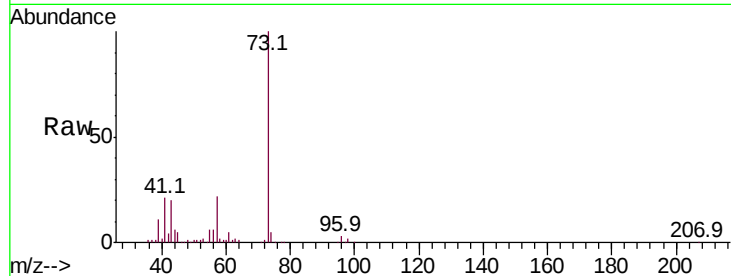
#25

Methvl tert-Butvl Ether
 Concen: 5.815 ug/l
 RT: 2.99 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

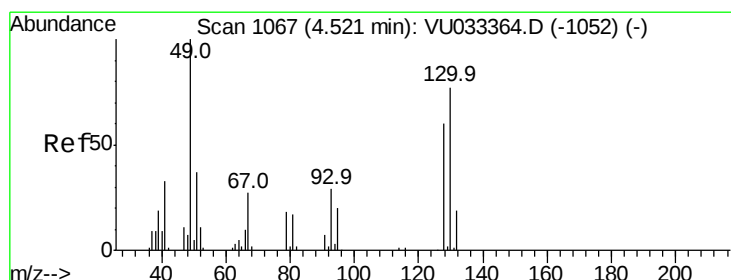
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.2	16.6	24.8

Manual Integrations
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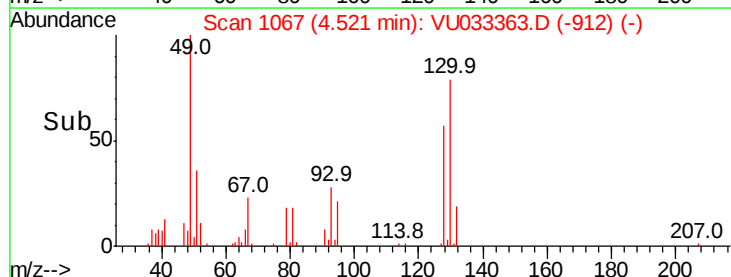
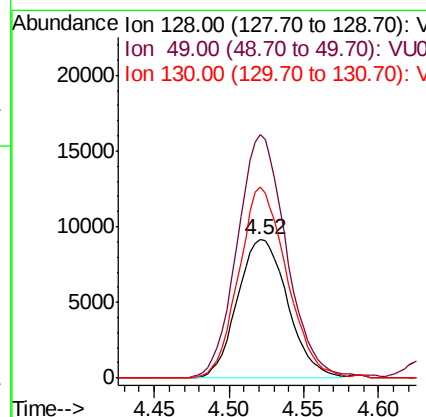
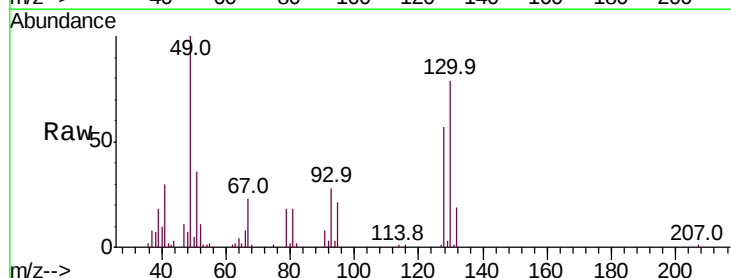
7/23/2019 8:54:53 AM

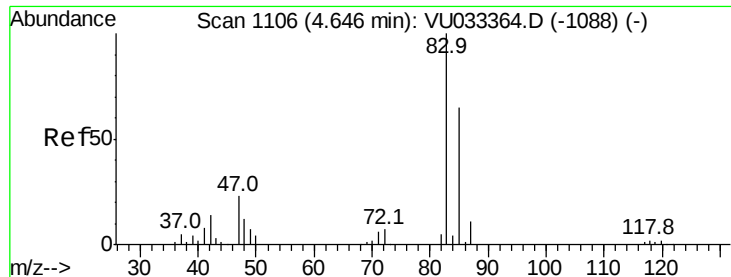


#26

Bromochloromethane
 Concen: 4.652 ug/l
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
128	100		
49	173.2	0.0	333.4
130	132.4	103.4	155.2



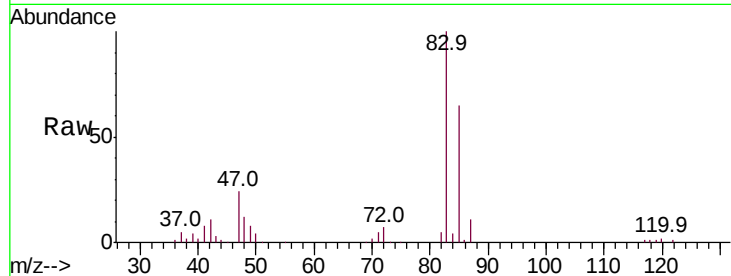


#27
Chloroform
Concen: 4.737 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

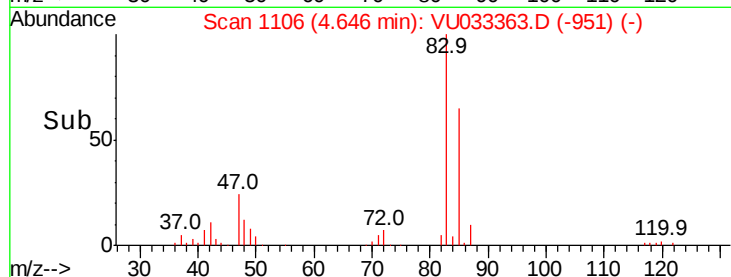
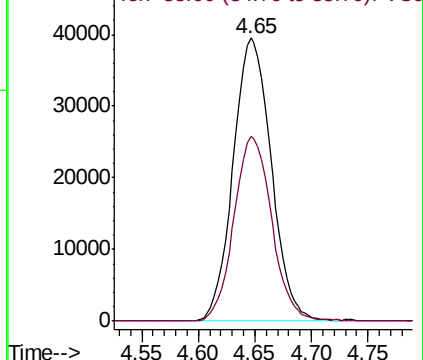
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 92748
Ion Ratio Lower Upper
83 100
85 65.2 0.0 129.8

Manual Integrations
APPROVED

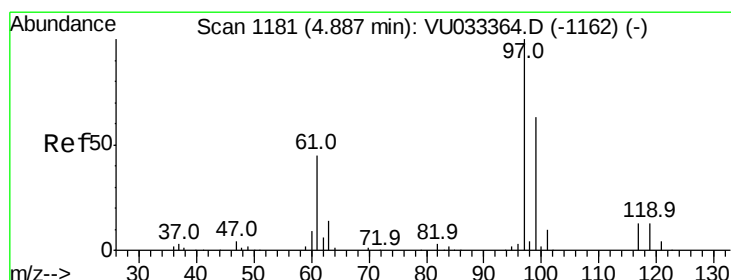


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



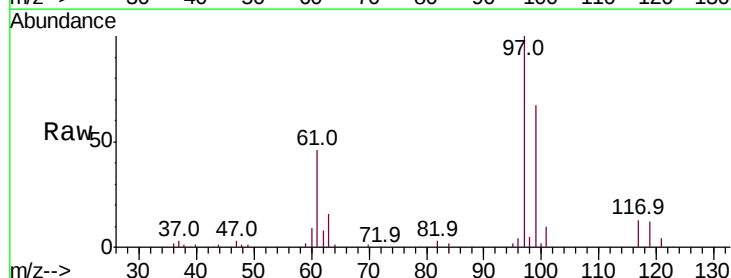
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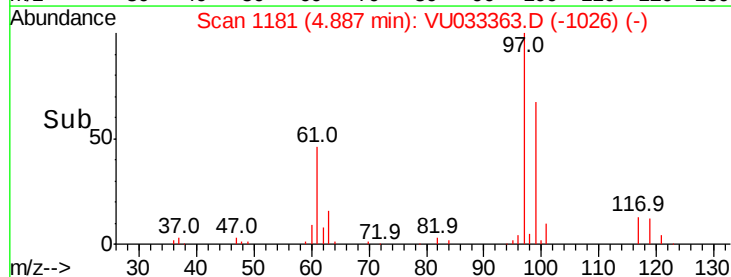
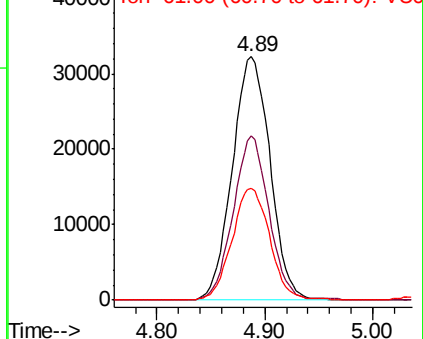


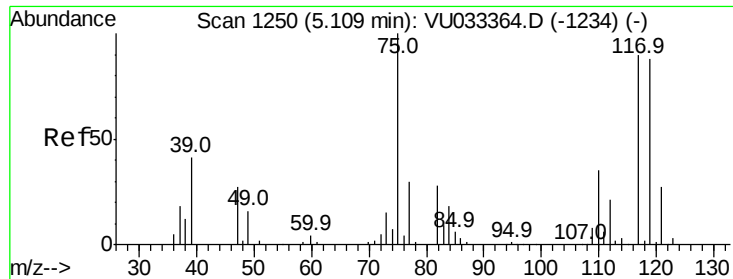
#28
1,1,1-Trichloroethane
Concen: 4.745 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion: 97 Resp: 78550
Ion Ratio Lower Upper
97 100
99 63.5 31.9 95.5
61 45.8 22.7 68.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.00 (60.70 to 61.70): VU0



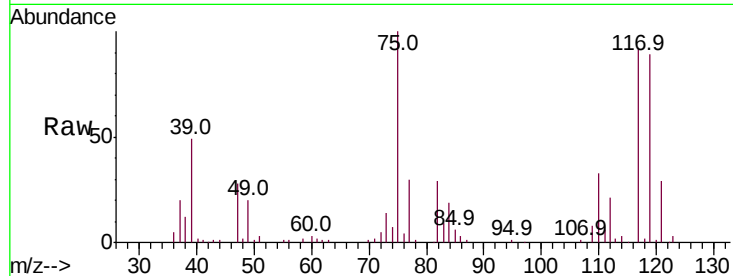


#29
1,1-Dichloropropene
Concen: 4.918 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.3	17.5	52.6
77	30.5	25.1	37.7

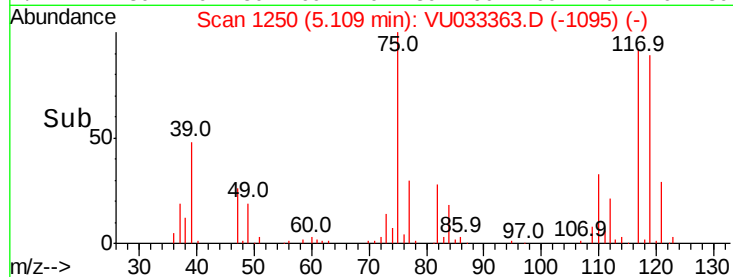
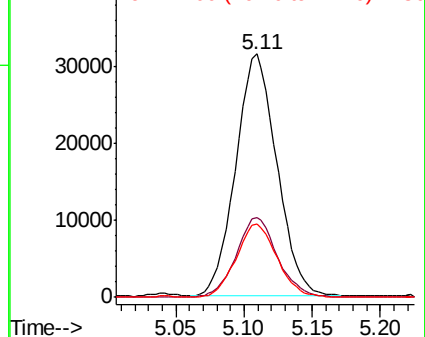
Manual Integrations
APPROVED



Abundance Ion 75.00 (74.70 to 75.70): VU033363.D (-1095) (-)

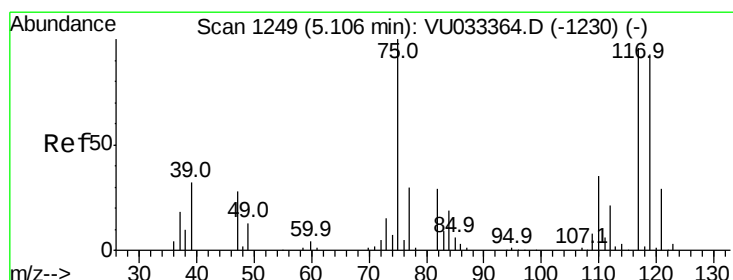
Ion 110.00 (109.70 to 110.70): VU033363.D (-1095) (-)

Ion 77.00 (76.70 to 77.70): VU033363.D (-1095) (-)



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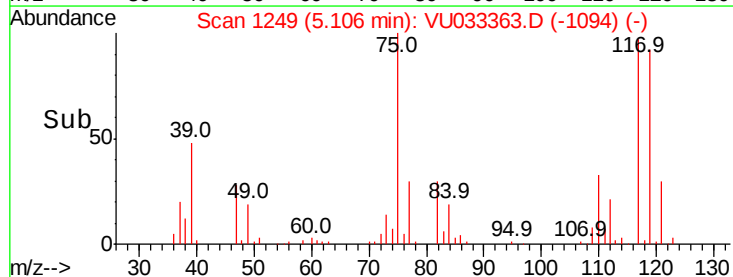
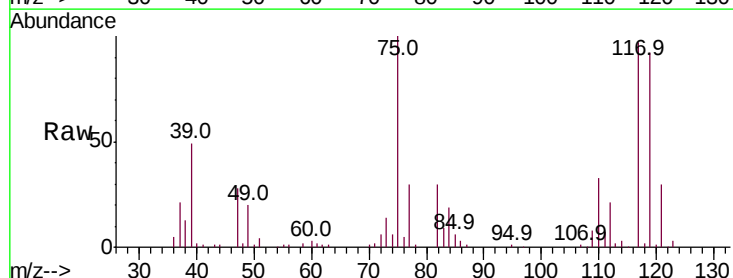
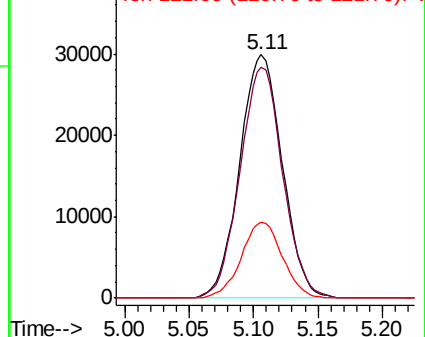
#30
Carbon Tetrachloride
Concen: 4.862 ug/l
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

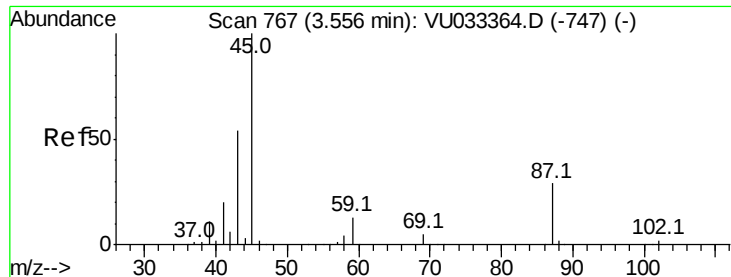
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.9	116.9
121	31.2	24.0	36.0

Abundance Ion 117.00 (116.70 to 117.70): VU033363.D (-1094) (-)

Ion 119.00 (118.70 to 119.70): VU033363.D (-1094) (-)

Ion 121.00 (120.70 to 121.70): VU033363.D (-1094) (-)





#31

Isopropyl Ether

Concen: 3.606 ug/l

RT: 3.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

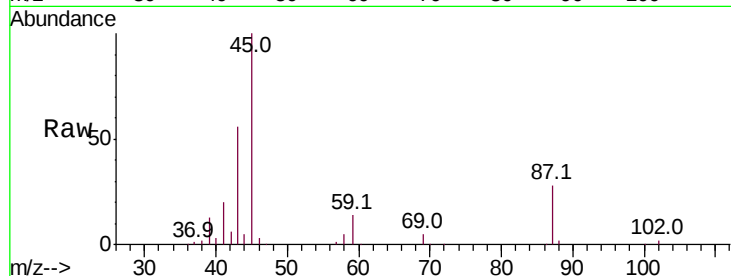
Tot Ion: 45 Resp: 109363

Ion Ratio Lower Upper

45 100

43 58.0 27.8 83.3

Manual Integrations
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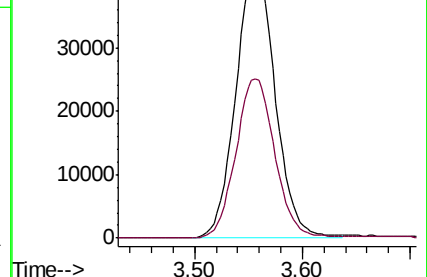
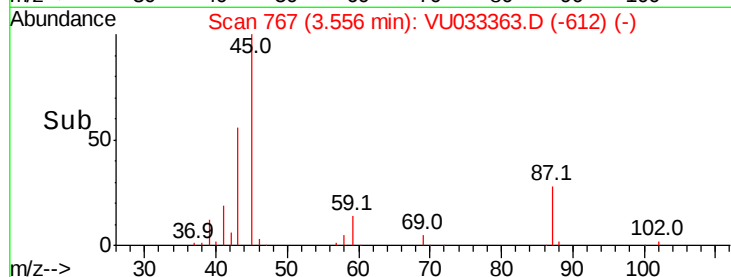


Abundance Ion 45.00 (44.70 to 45.70): VU033363.D (-747) (-)

Ion 43.00 (42.70 to 43.70): VU033363.D (-747) (-)

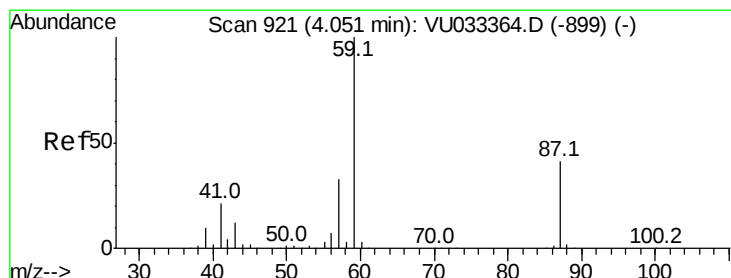
3.56

Time-->



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#32

Ethyl-t-butyl ether

Concen: 4.266 ug/l

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VU033363.D

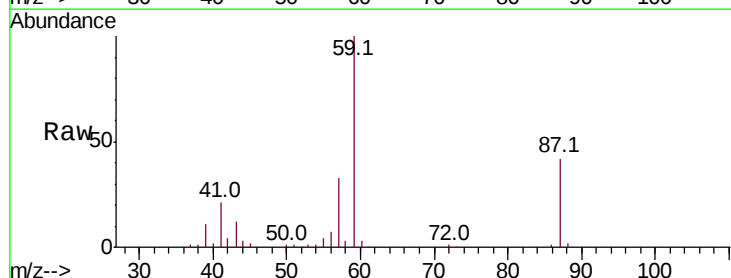
Acq: 22 Jul 2019 20:34

Tgt Ion: 59 Resp: 107070

Ion Ratio Lower Upper

59 100

87 41.4 33.8 50.6

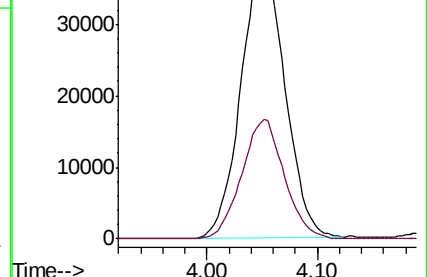
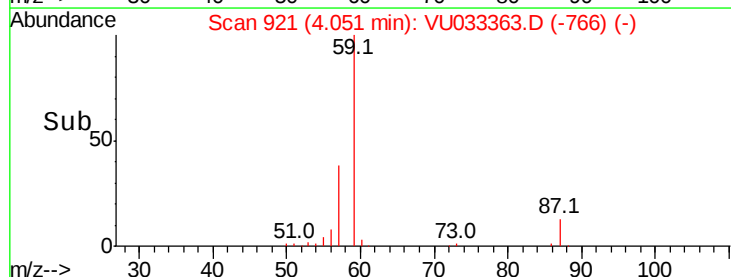


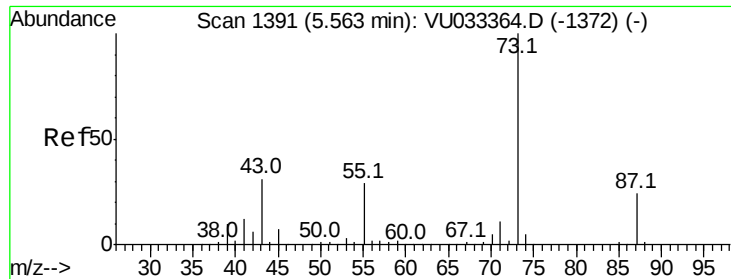
Abundance Ion 59.00 (58.70 to 59.70): VU033363.D (-766) (-)

Ion 87.00 (86.70 to 87.70): VU033363.D (-766) (-)

4.05

Time-->





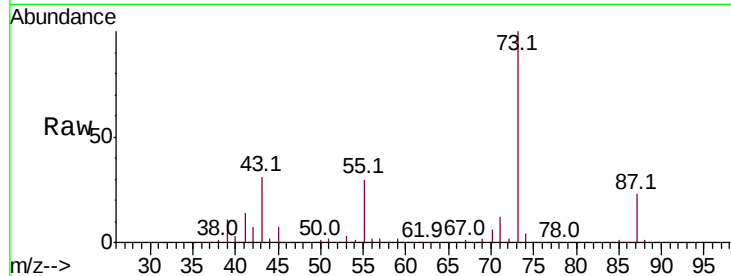
#33

Tert-Amvl methvl ether
Concen: 4.867 ug/l
RT: 5.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.2	18.9	28.3
71	12.4	9.3	13.9

Manual Integrations
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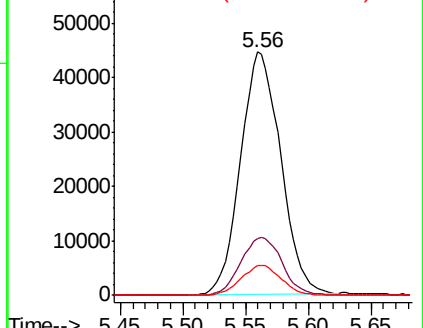


Abundance

Ion 73.00 (72.70 to 73.70): VU0

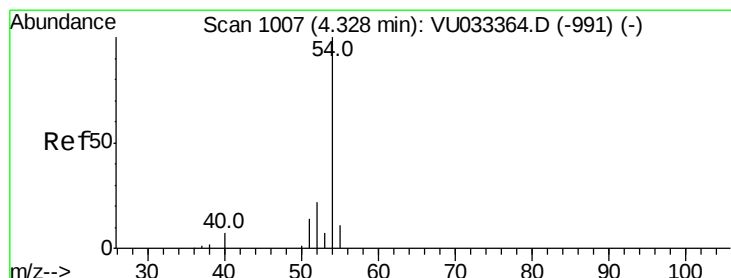
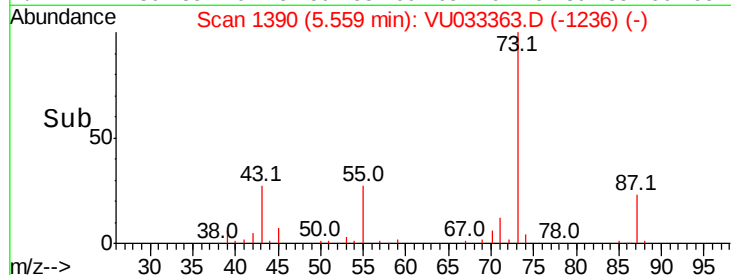
Ion 87.00 (86.70 to 87.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



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#34

Propionitrile
Concen: 22.825 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
54	100		
52	21.8	17.1	25.7
55	16.7	11.6	17.4
40	6.3	3.5	5.3

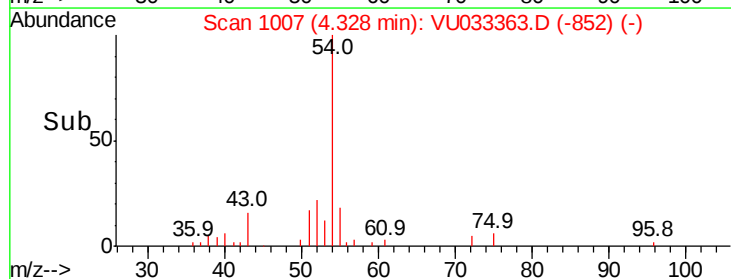
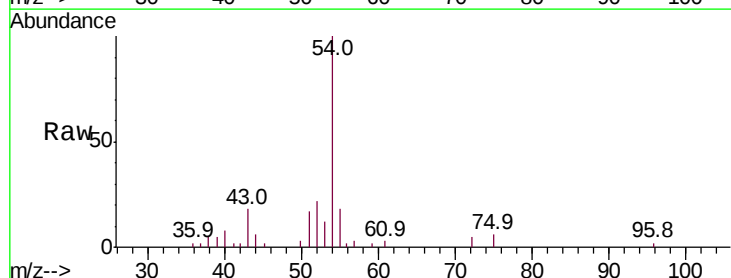
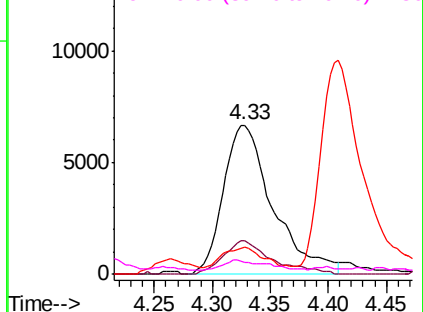
Abundance

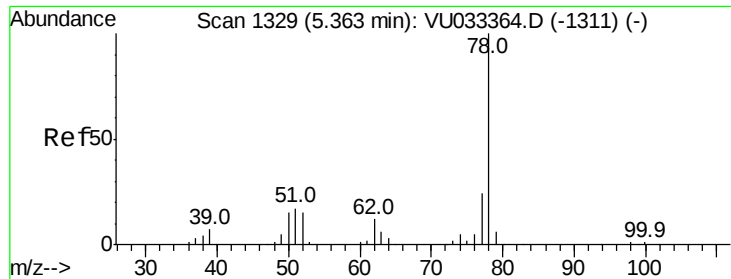
Ion 54.00 (53.70 to 54.70): VU0

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



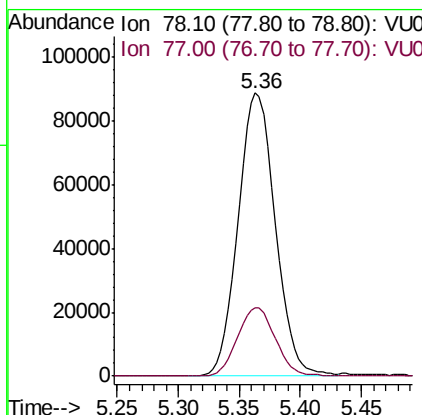
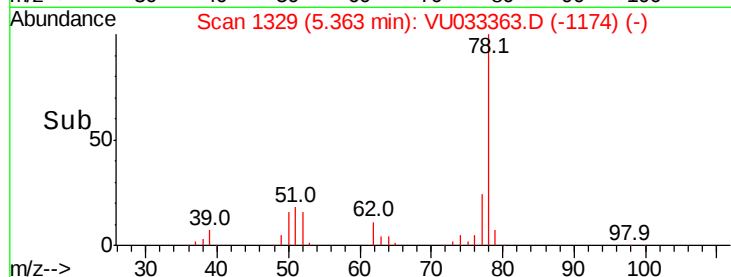
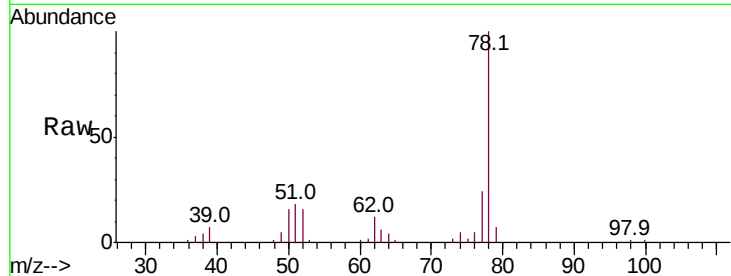


#35
Benzene
Concen: 4.605 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

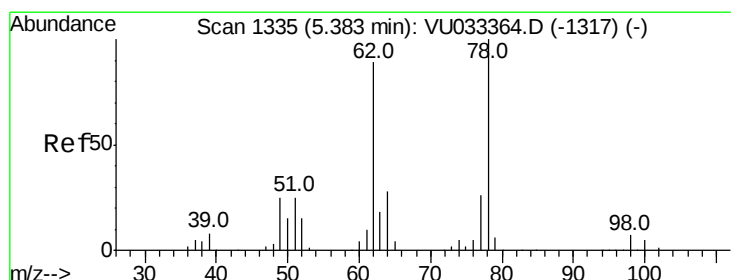
Tot Ion: 78 Resp: 186907
Ion Ratio Lower Upper
78 100
77 24.3 19.4 29.2

Manual Integrations
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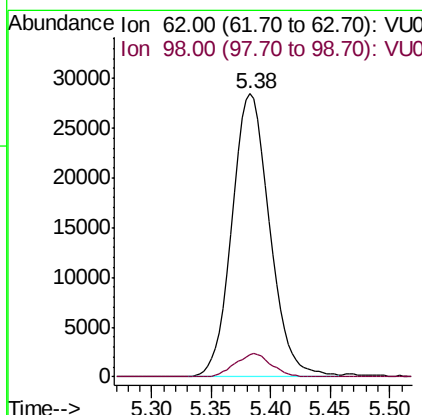
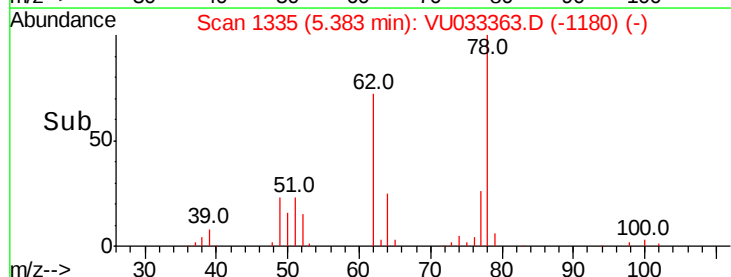
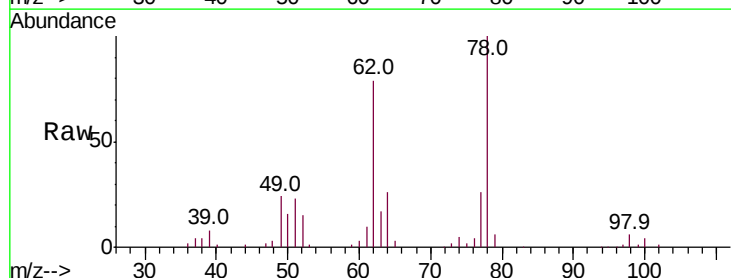
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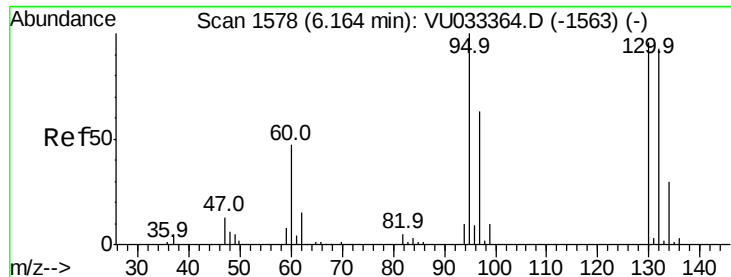
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#36
1,2-Dichloroethane
Concen: 4.703 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion: 62 Resp: 62649
Ion Ratio Lower Upper
62 100
98 7.8 6.5 9.7





#37

Trichloroethene

Concen: 4.842 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

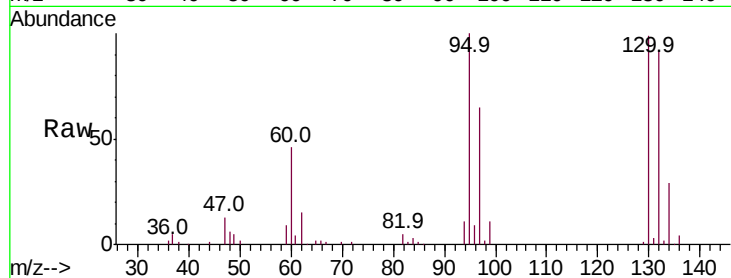
Tot Ion:130 Resp: 48834

Ion Ratio Lower Upper

130 100

95 101.1 83.4 125.0

Manual Integrations
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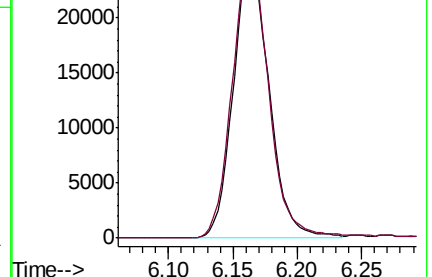
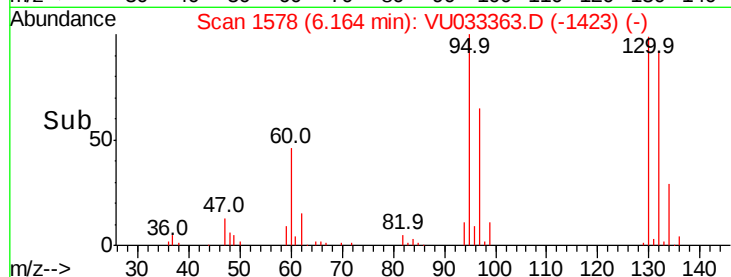


Abundance Ion 129.90 (129.60 to 130.60): VU033363.D (-1500) (-)

Ion 94.90 (94.60 to 95.60): VU033363.D (-1500) (-)

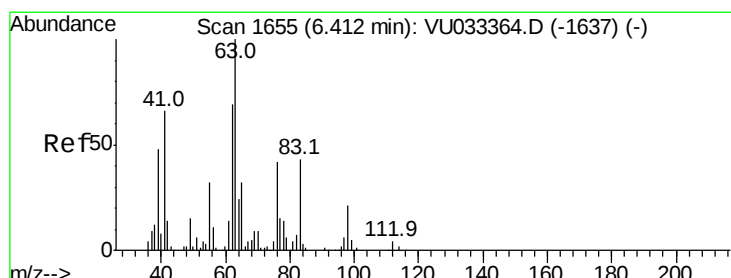
6.16

Time-->



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#38

1,2-Dichloropropane

Concen: 4.554 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU033363.D

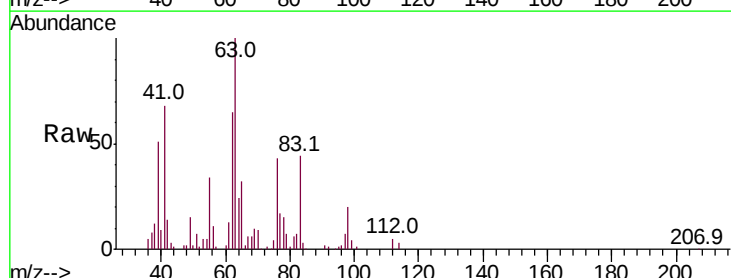
Acq: 22 Jul 2019 20:34

Tgt Ion: 63 Resp: 52080

Ion Ratio Lower Upper

63 100

65 32.5 25.7 38.5

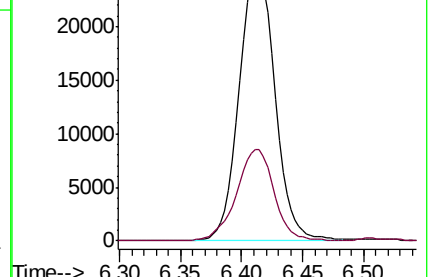
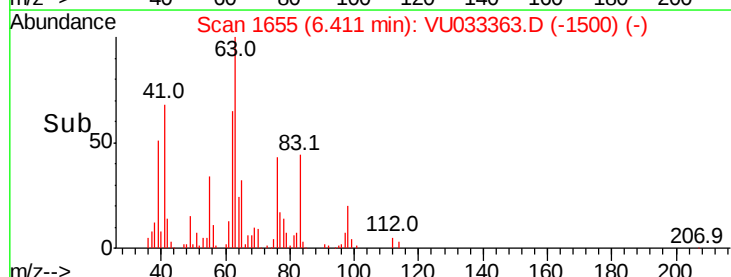


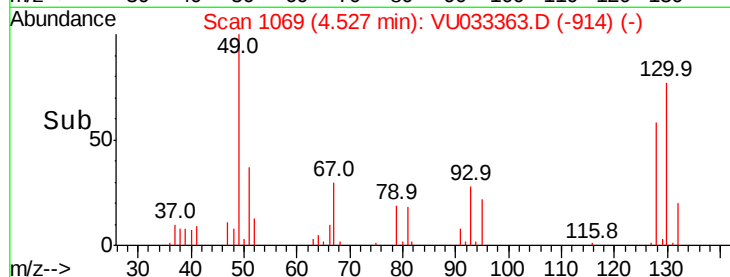
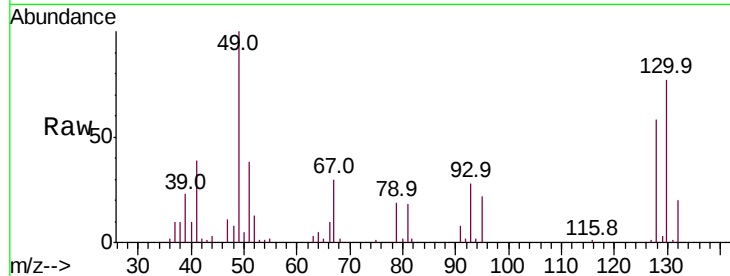
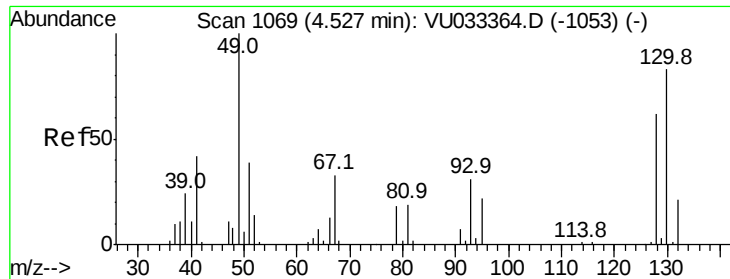
Abundance Ion 63.00 (62.70 to 63.70): VU033363.D (-1500) (-)

Ion 65.00 (64.70 to 65.70): VU033363.D (-1500) (-)

6.41

Time-->





#39

Methacrylonitrile

Concen: 4.169 ug/l

RT: 4.53 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Tot Ion	Ratio	Lower	Upper
41	100		
67	79.0	64.4	96.6
39	58.9	46.8	70.2
52	33.3	28.6	42.8

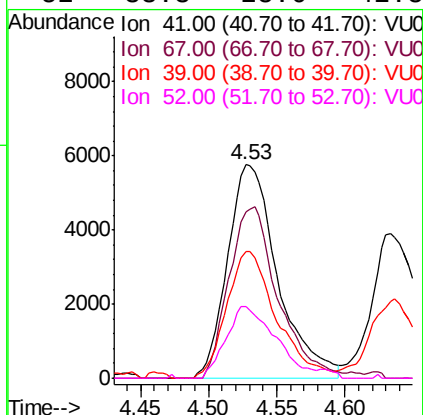
Instrument :

MSVOA_U

ClientSampleId :

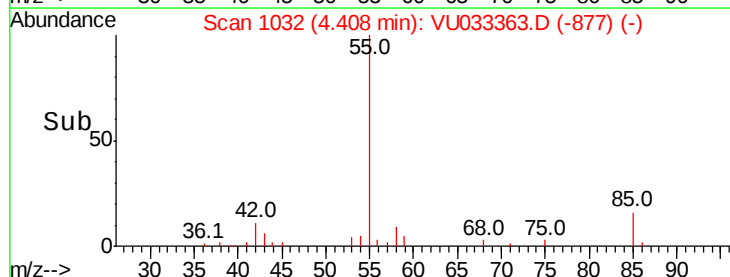
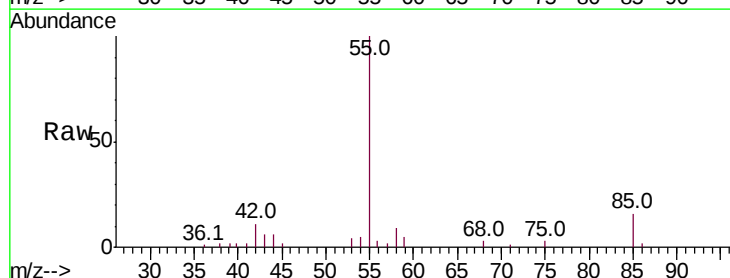
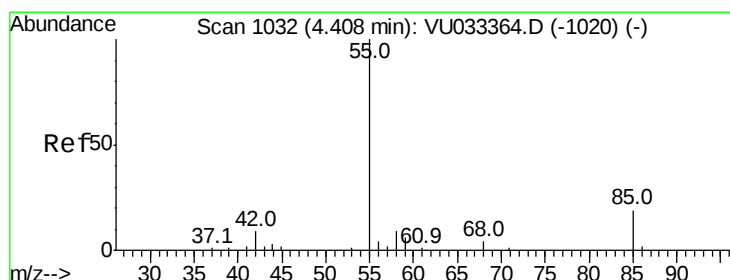
VSTDIC005

Manual Integrations
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#40

Methyl acrylate

Concen: 5.082 ug/l

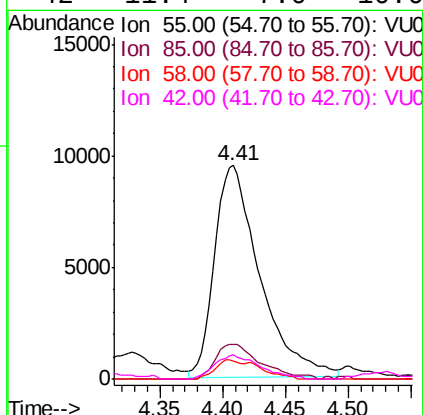
RT: 4.41 min Scan# 1032

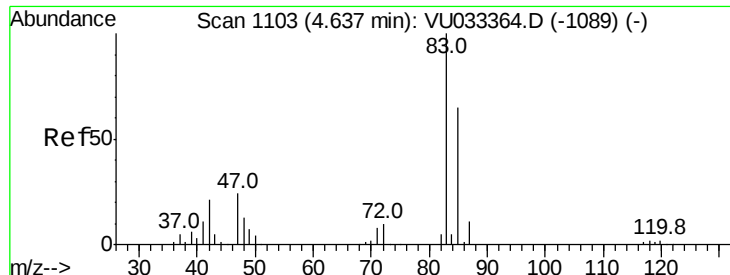
Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
55	100		
85	15.8	14.8	22.2
58	8.8	7.1	10.7
42	11.4	7.0	10.6#



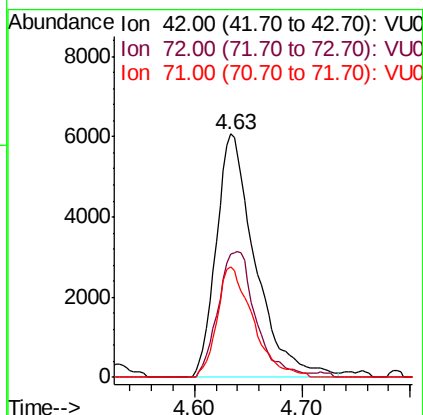
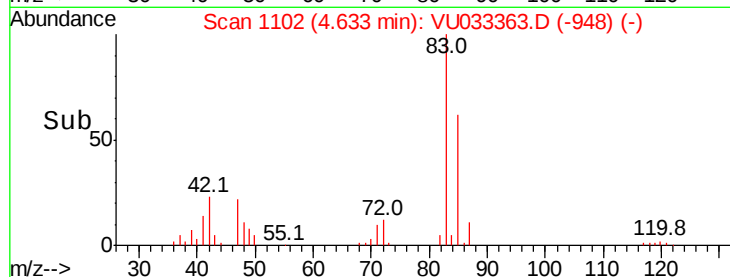
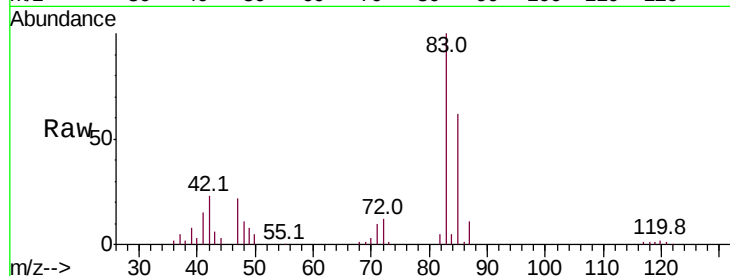


#41
Tetrahydrofuran
Concen: 7.840 ug/l
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

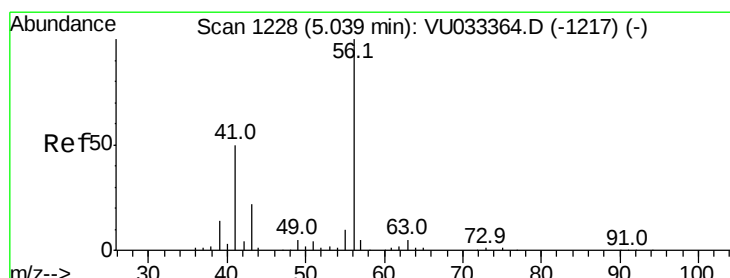
Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	38.7	58.1
71	41.7	34.6	52.0

Manual Integrations
APPROVED



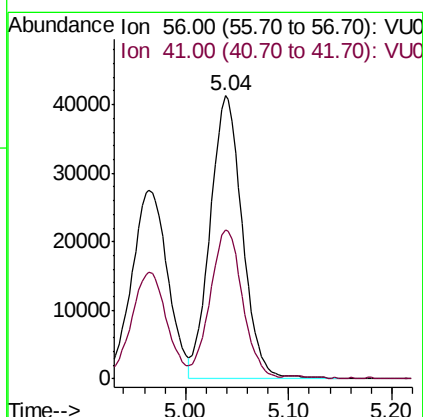
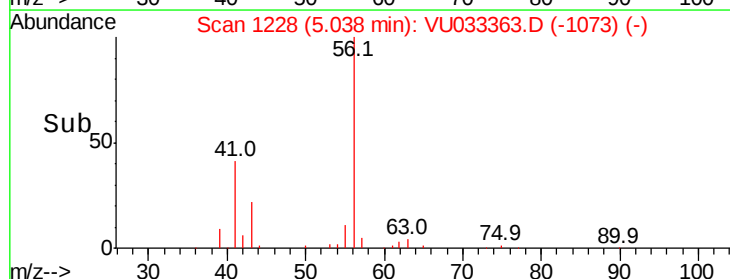
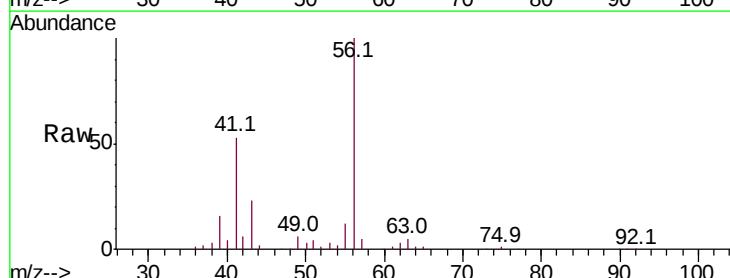
MMDadoda

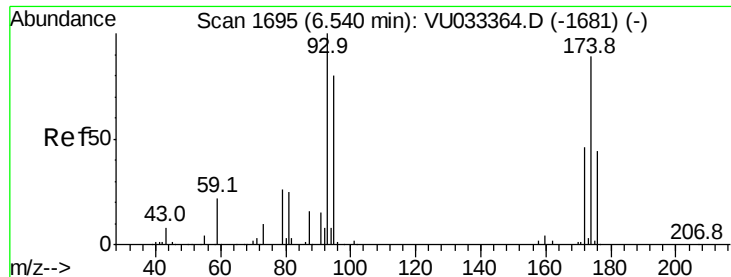
7/23/2019 8:54:53 AM



#42
1-Chlorobutane
Concen: 4.470 ug/l
RT: 5.04 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
56	100		
41	52.4	25.7	77.1



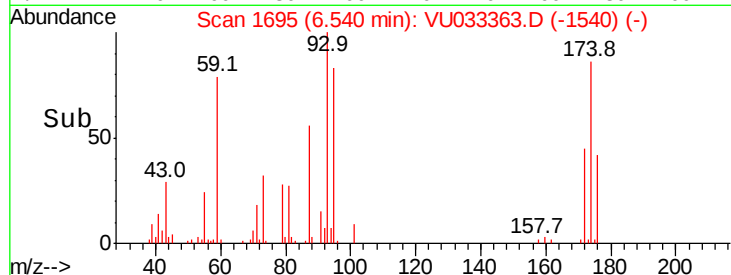
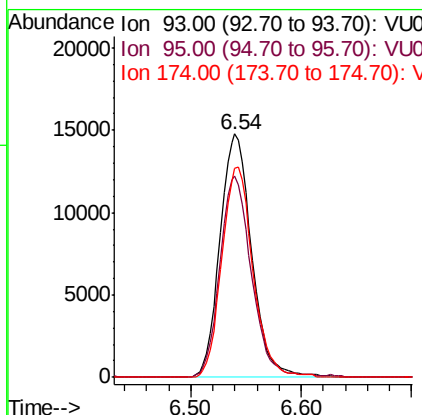
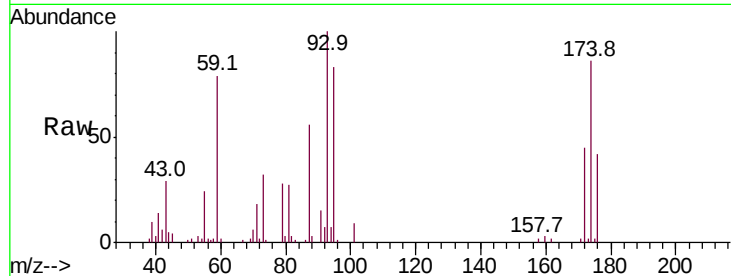


#43
Dibromomethane
Concen: 5.129 ug/l
RT: 6.54 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

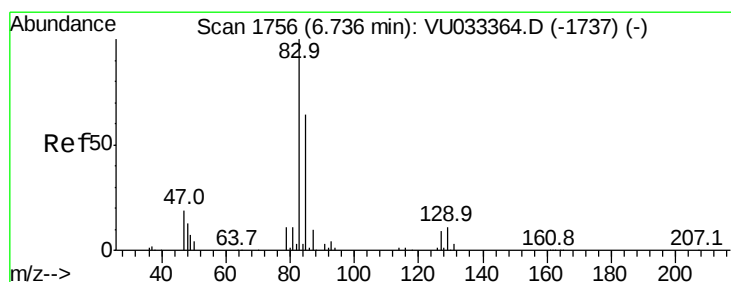
Tot Ion: 93 Resp: 29479
Ion Ratio Lower Upper
93 100
95 82.1 65.3 97.9
174 85.1 70.7 106.1

Manual Integrations
APPROVED



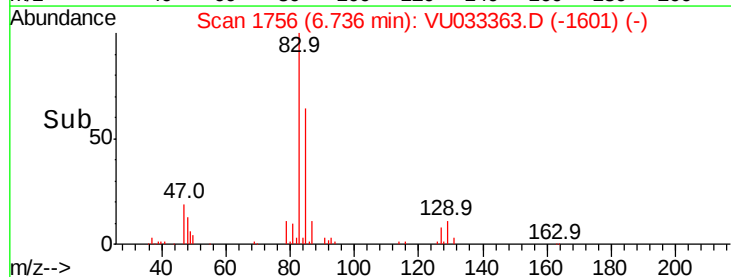
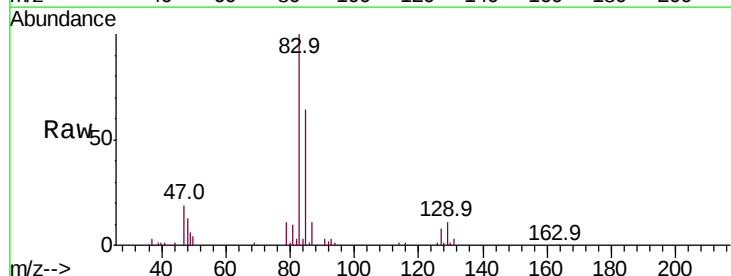
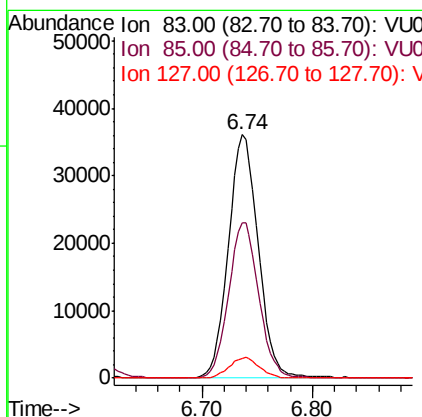
MMDadoda

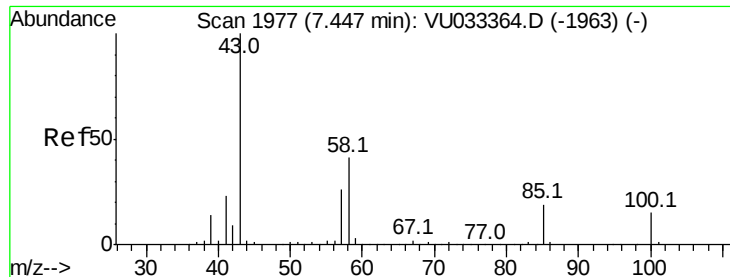
7/23/2019 8:54:53 AM



#44
Bromodichloromethane
Concen: 4.800 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion: 83 Resp: 67969
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7
127 8.2 7.2 10.8



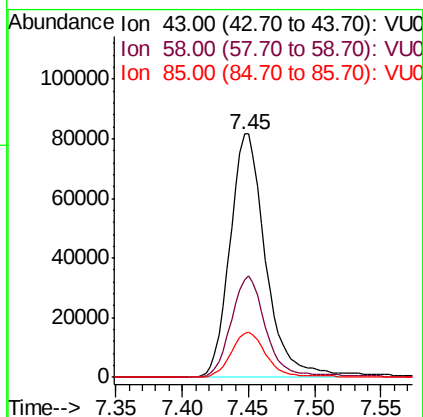
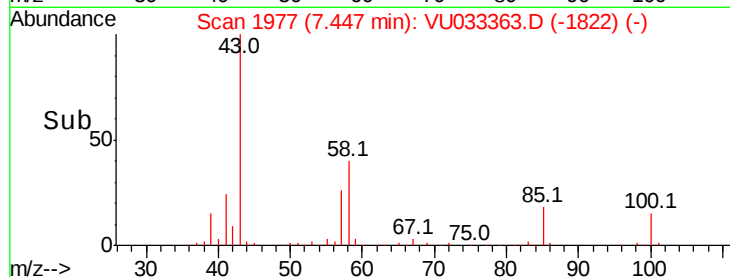
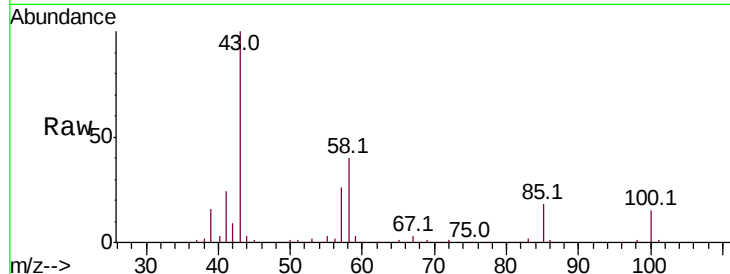


#45
4-Methyl-2-Pentanone
Concen: 22.807 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

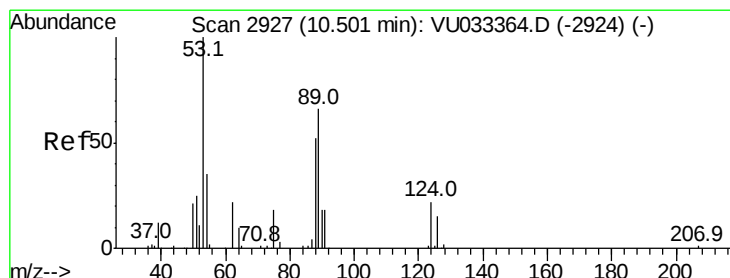
Tot Ion	Ratio	Lower	Upper
43	100		
58	41.0	20.3	60.8
85	18.4	15.0	22.6

Manual Integrations
APPROVED



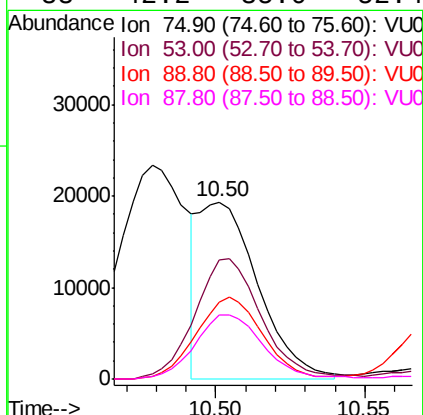
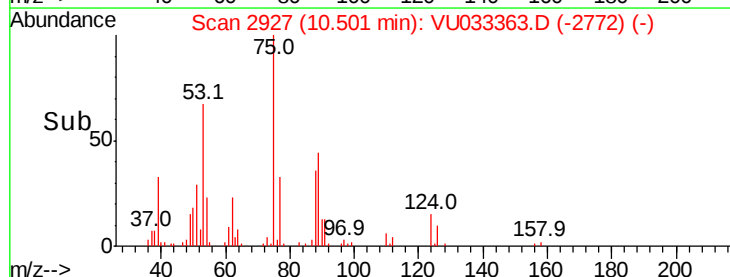
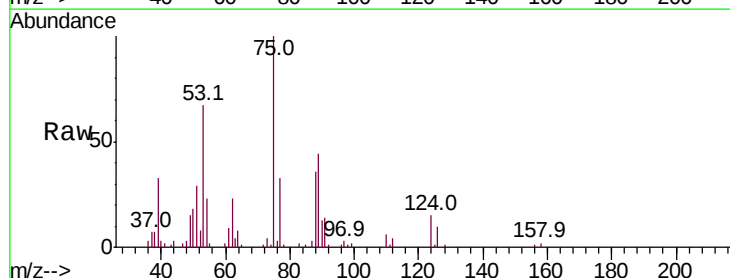
MMDadoda

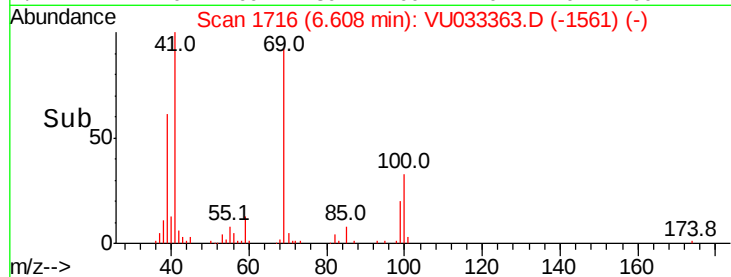
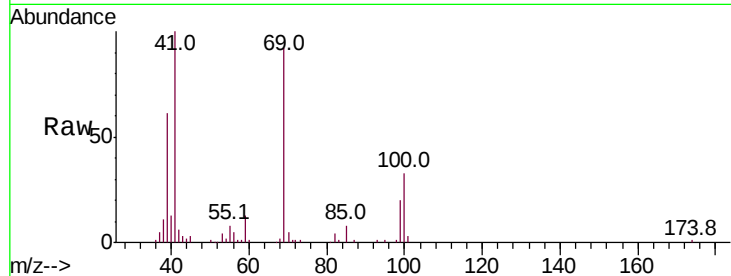
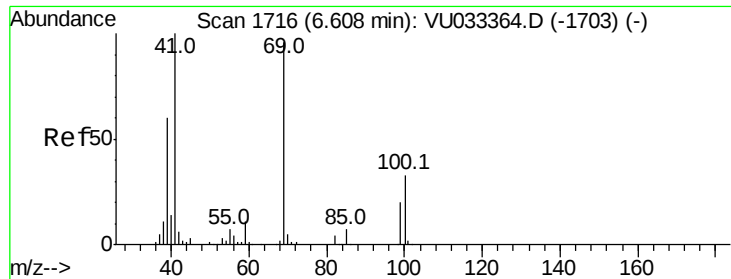
7/23/2019 8:54:53 AM



#46
t-1,4-Dichloro-2-butene
Concen: 12.288 ug/l m
RT: 10.50 min Scan# 2927
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

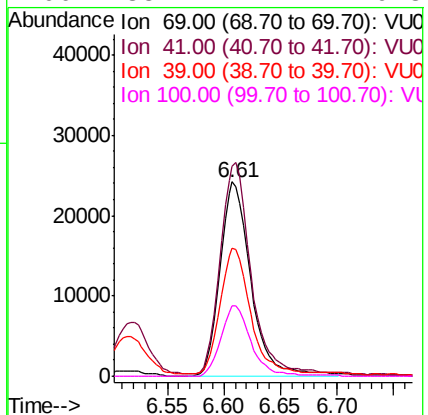
Tgt Ion	Ratio	Lower	Upper
75	100		
53	76.8	62.9	94.3
89	51.7	43.0	64.4
88	42.2	35.0	52.4





#47
Methyl methacrylate
Concen: 10.487 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	106.2	0.0	208.2	
39	63.0	50.6	75.8	
100	35.2	27.2	40.8	

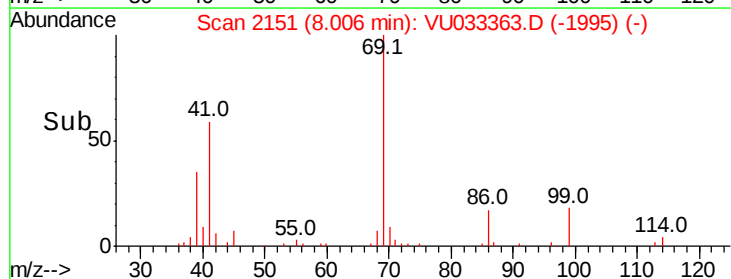
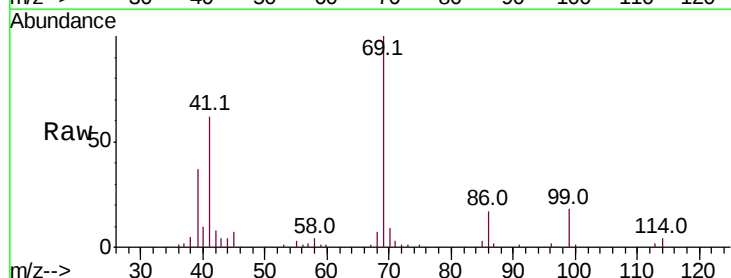
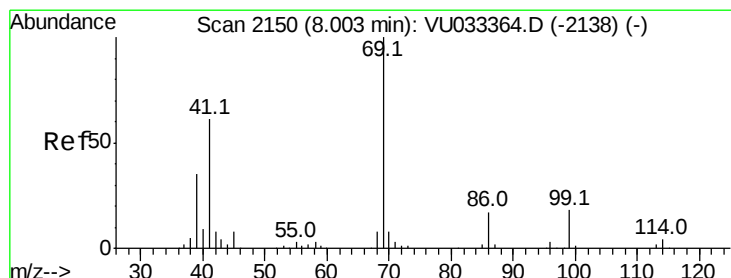


Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

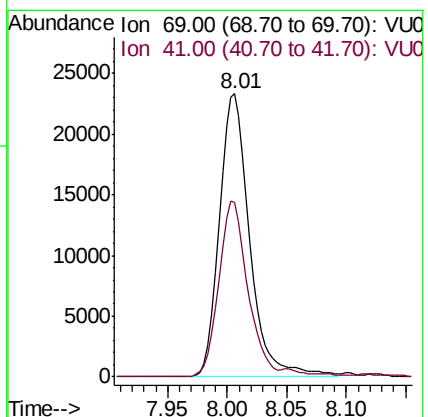
MMDadoda

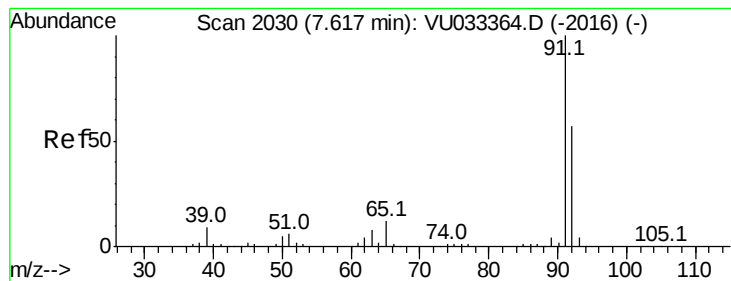
7/23/2019 8:54:53 AM



#48
Ethyl methacrylate
Concen: 5.377 ug/l
RT: 8.01 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	59.4	30.9	92.7	





#49

Toluene

Concen: 5.231 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

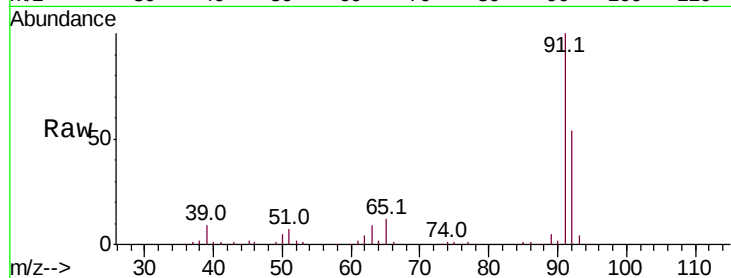
Tot Ion: 92 Resp: 111993

Ion Ratio Lower Upper

92 100

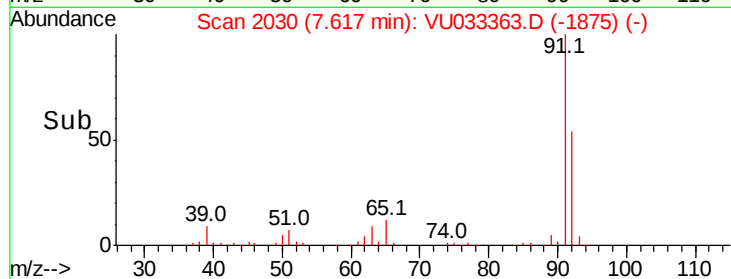
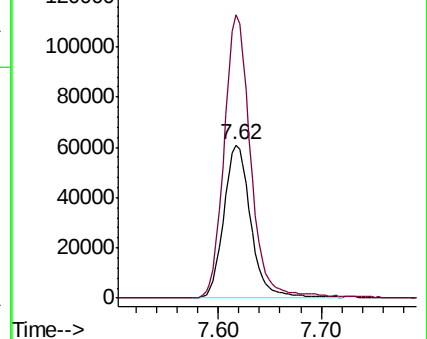
91 180.7 142.1 213.1

Manual Integrations
APPROVED



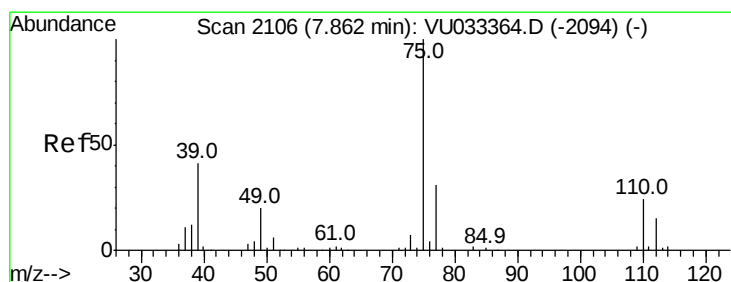
Abundance Ion 92.00 (91.70 to 92.70): VU033363.D (-1875) (-)

Ion 91.00 (90.70 to 91.70): VU033363.D (-1875) (-)



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7/23/2019 8:54:53 AM



#50

t-1,3-Dichloropropene

Concen: 5.241 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033363.D

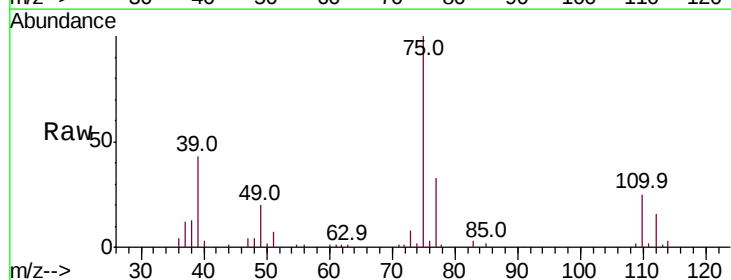
Acq: 22 Jul 2019 20:34

Tgt Ion: 75 Resp: 58791

Ion Ratio Lower Upper

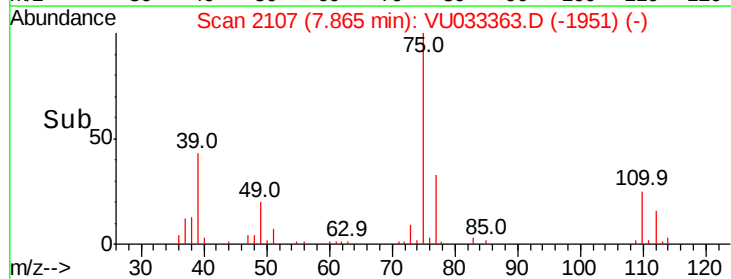
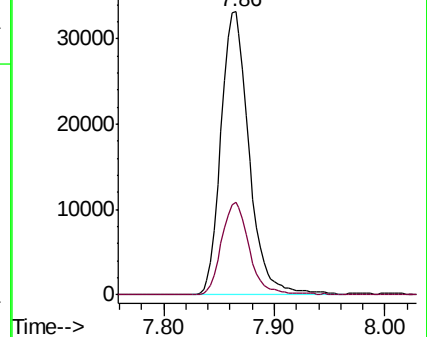
75 100

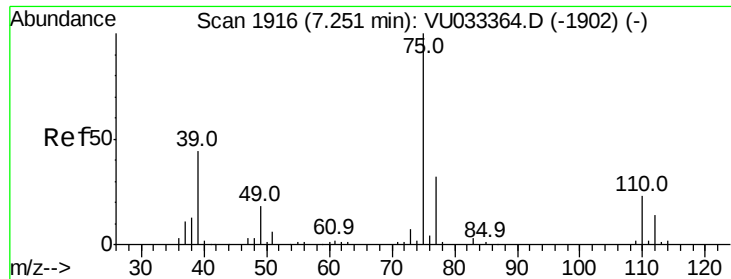
77 32.9 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU033363.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VU033363.D (-1951) (-)



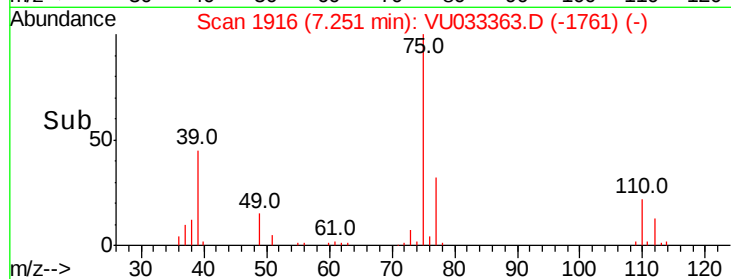
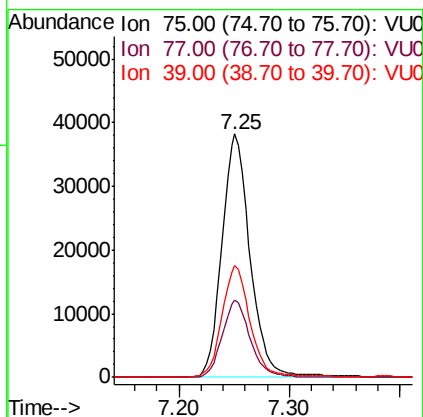
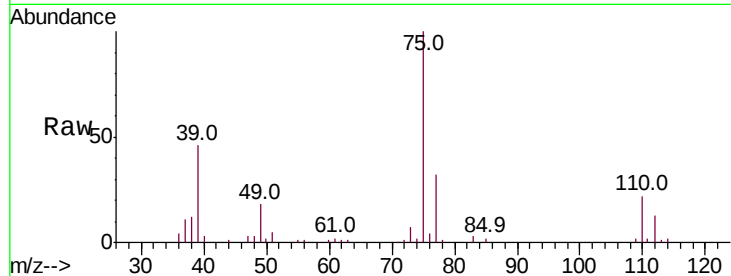


#51
 cis-1,3-Dichloropropene
 Concen: 4.994 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

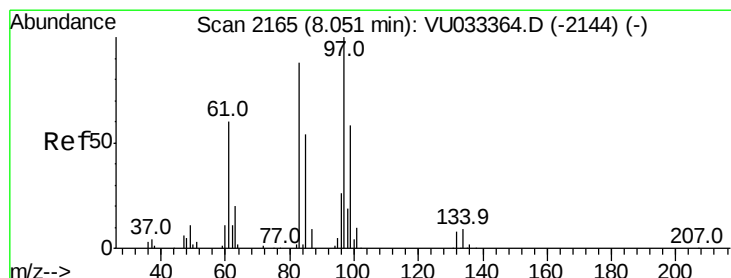
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.8	38.8
39	45.7	35.2	52.8

Manual Integrations
 APPROVED



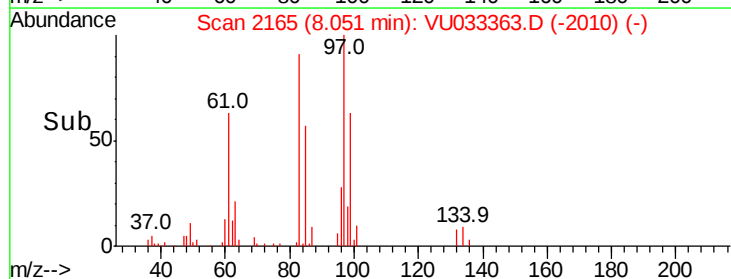
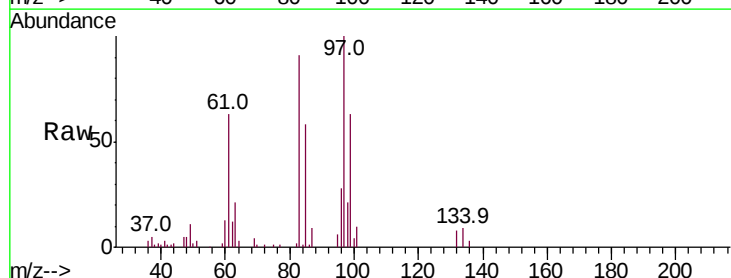
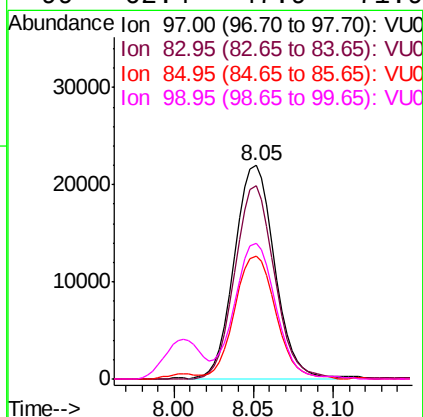
MMDadoda

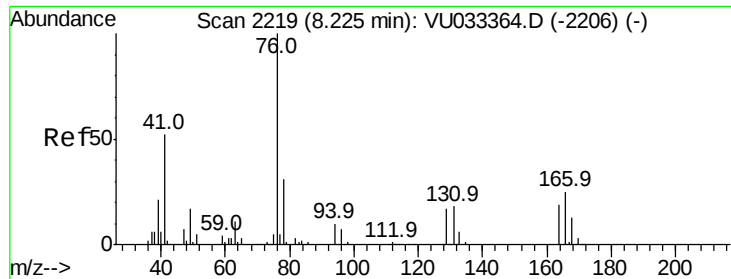
7/23/2019 8:54:53 AM



#52
 1,1,2-Trichloroethane
 Concen: 5.027 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.6	70.2	105.2
85	57.7	43.5	65.3
99	62.4	47.9	71.9



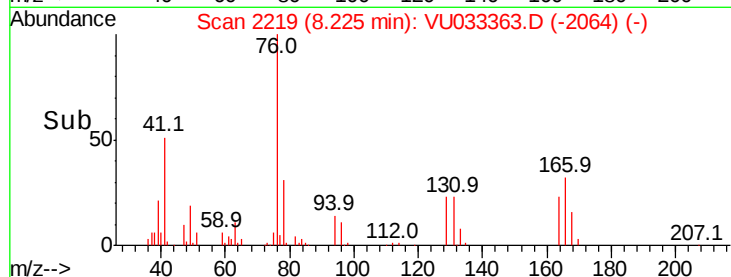
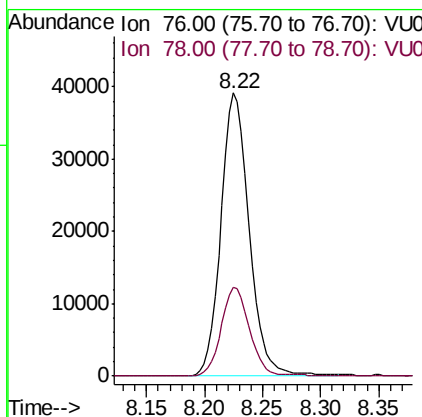
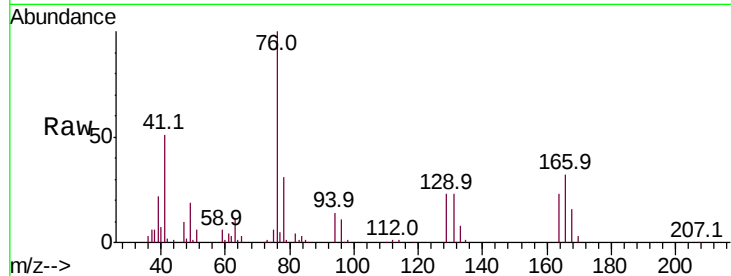


#53
 1,3-Dichloropropane
 Concen: 5.061 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

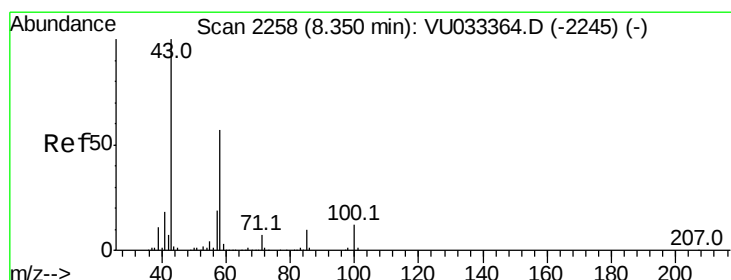
Tot Ion: 76 Resp: 66095
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.7 38.5

Manual Integrations
 APPROVED



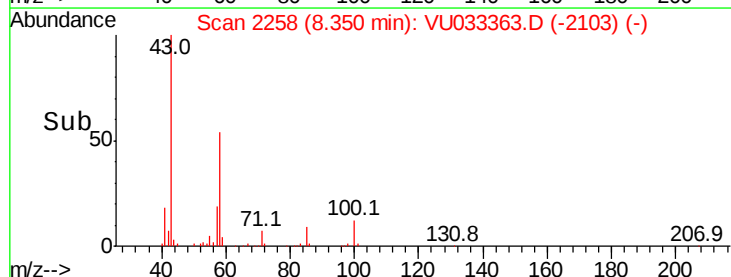
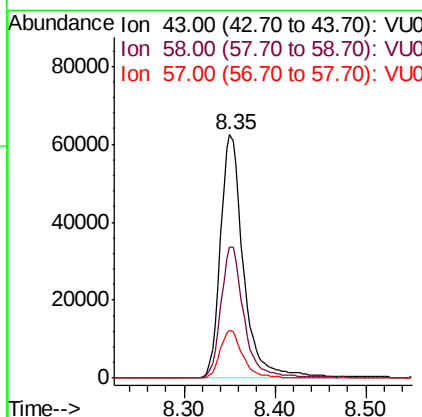
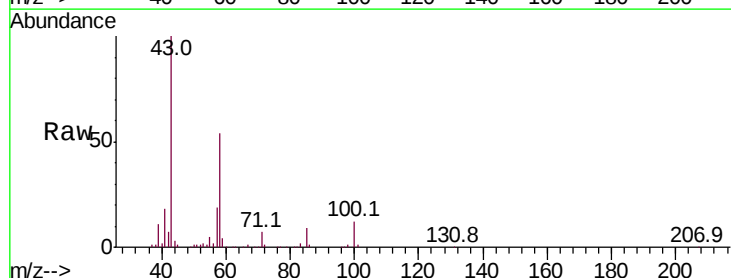
MMDadoda

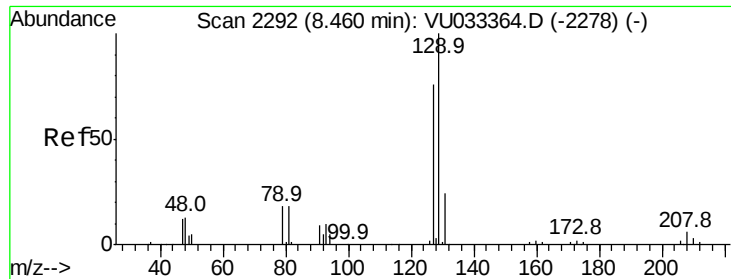
7/23/2019 8:54:53 AM



#54
 2-Hexanone
 Concen: 24.358 ug/l
 RT: 8.35 min Scan# 2258
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Tgt Ion: 43 Resp: 110255
 Ion Ratio Lower Upper
 43 100
 58 53.7 36.0 76.0
 57 18.9 0.0 39.4





#55

Dibromochloromethane

Concen: 5.343 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

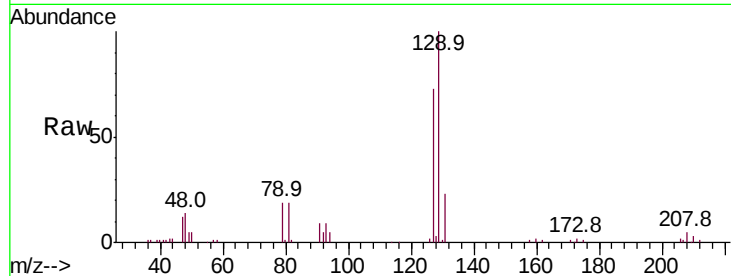
Tot Ion:129 Resp: 45578

Ion Ratio Lower Upper

129 100

127 74.8 60.9 91.3

Manual Integrations
APPROVED



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.46

25000

20000

15000

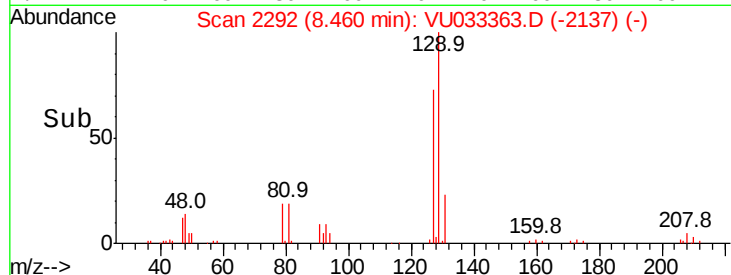
10000

5000

0

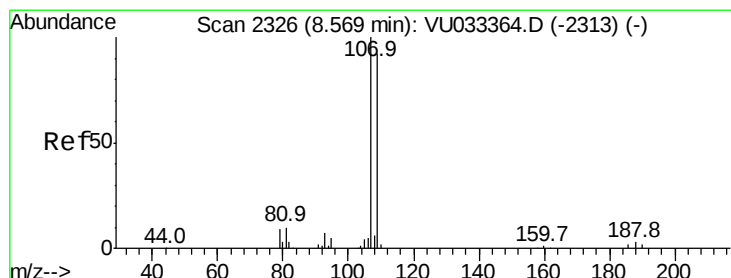
8.40 8.45 8.50 8.55

Time-->



7/23/2019 8:54:53 AM

MMDadoda



#56

1,2-Dibromoethane

Concen: 5.329 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033363.D

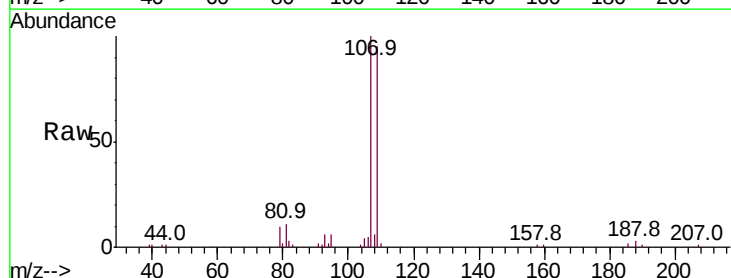
Acq: 22 Jul 2019 20:34

Tgt Ion:107 Resp: 36038

Ion Ratio Lower Upper

107 100

109 96.5 0.0 184.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.57

20000

15000

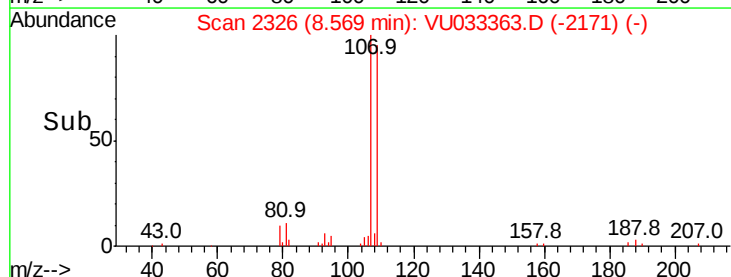
10000

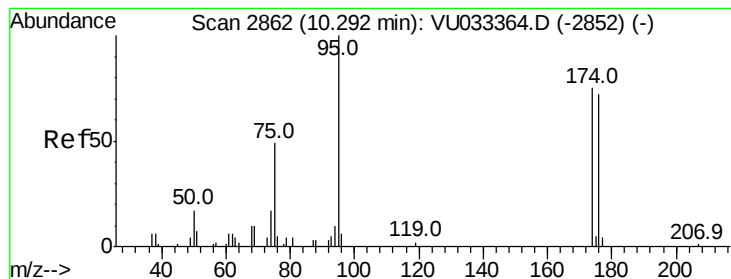
5000

0

8.50 8.55 8.60 8.65

Time-->





#57

4-Bromofluorobenzene

Concen: 1.044 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Instrument :

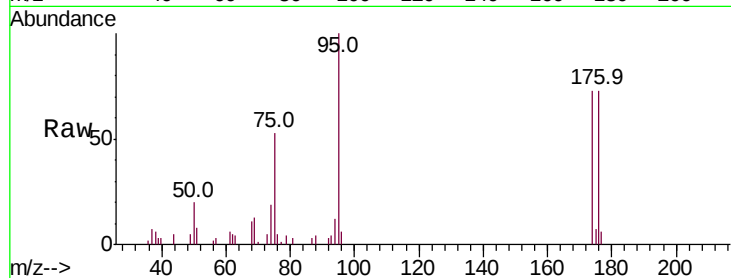
MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:	95	Resp:	11884
Ion	Ratio	Lower	Upper
95	100		
174	77.6	58.8	88.2
176	72.7	54.4	81.6

Manual Integrations
APPROVED

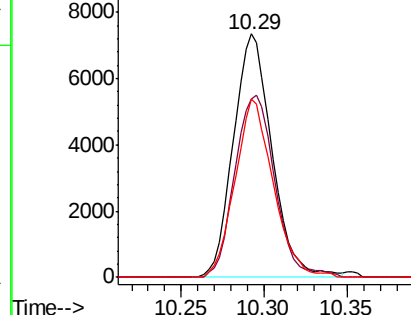
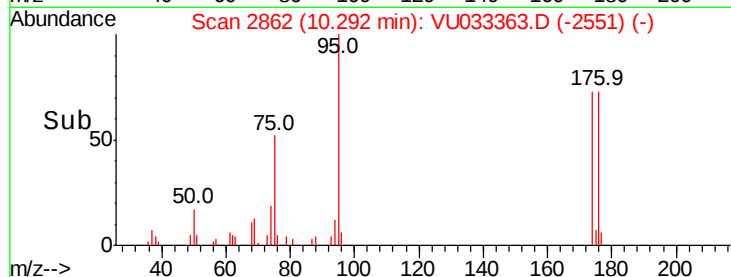


Abundance

Ion 95.00 (94.70 to 95.70): VU033363.D (-2551) (-)

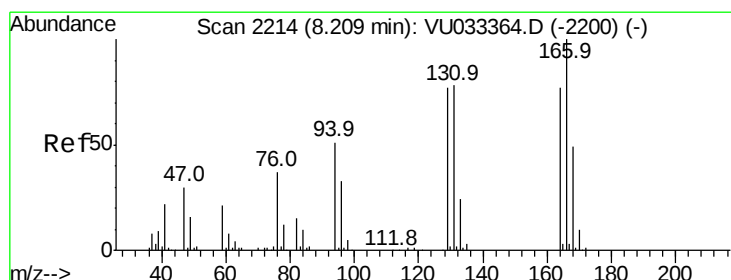
Ion 174.00 (173.70 to 174.70): VU033363.D (-2551) (-)

Ion 176.00 (175.70 to 176.70): VU033363.D (-2551) (-)



MMDadoda

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#58

Tetrachloroethene

Concen: 4.631 ug/l

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Tgt Ion:	164	Resp:	44787
Ion	Ratio	Lower	Upper
164	100		
166	131.7	103.8	155.6
129	104.5	79.7	119.5
131	99.4	80.5	120.7

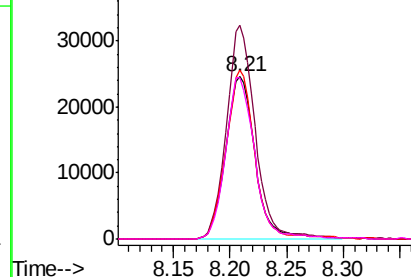
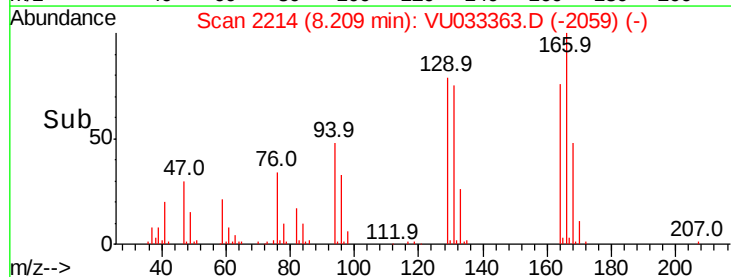
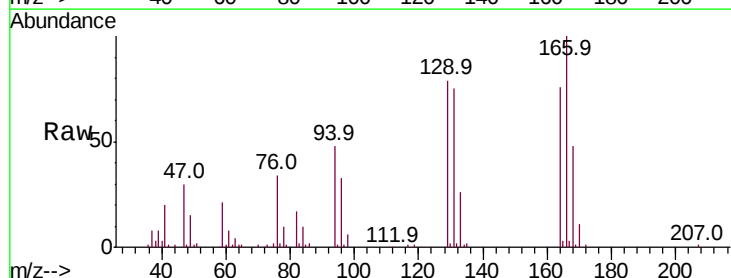
Abundance

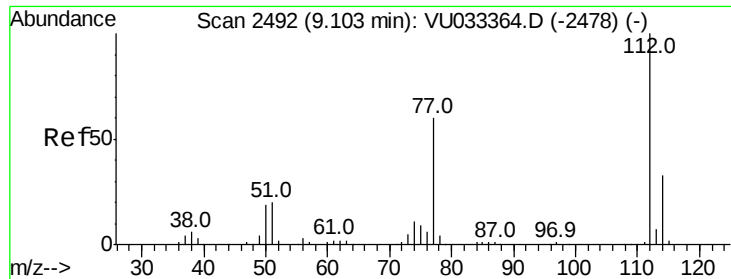
Ion 163.85 (163.55 to 164.55): VU033363.D (-2059) (-)

Ion 165.80 (165.50 to 166.50): VU033363.D (-2059) (-)

Ion 128.90 (128.60 to 129.60): VU033363.D (-2059) (-)

Ion 130.90 (130.60 to 131.60): VU033363.D (-2059) (-)



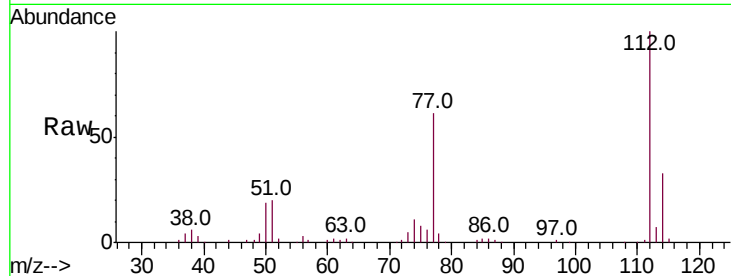


#59
Chlorobenzene
Concen: 5.431 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

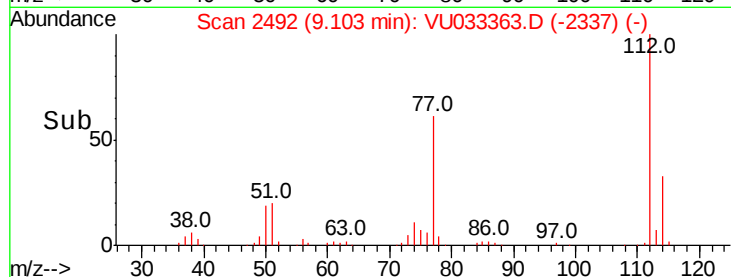
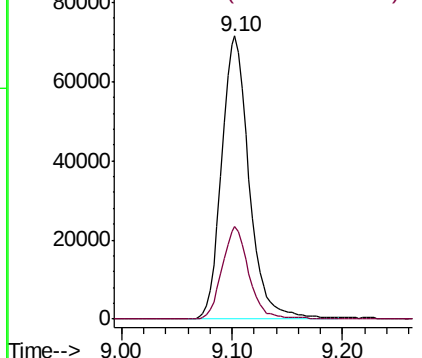
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 123875
Ion Ratio Lower Upper
112 100
114 32.6 26.4 39.6

Manual Integrations
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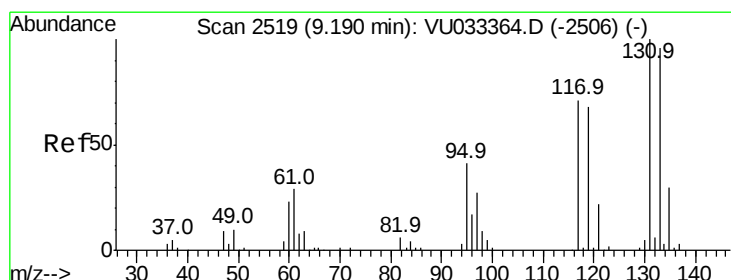


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



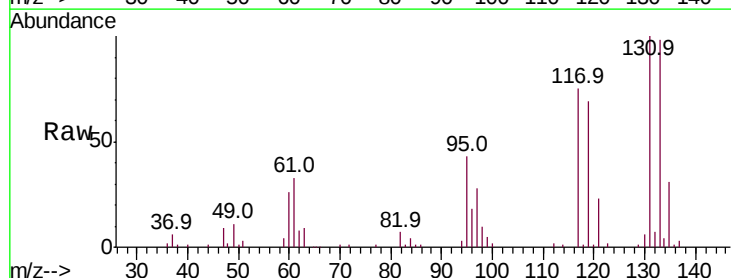
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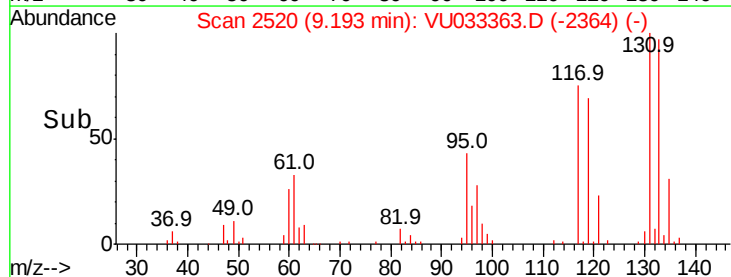
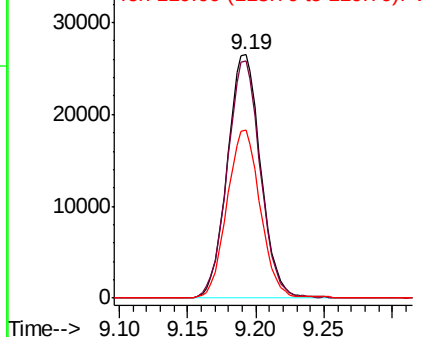


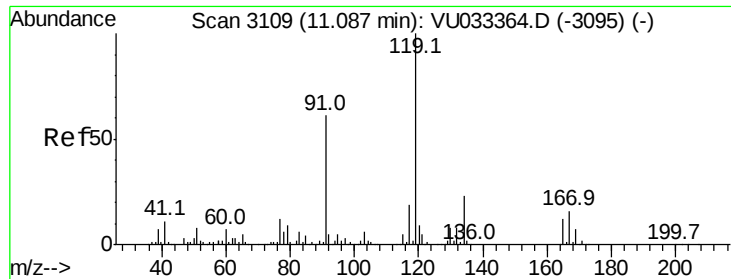
#60
1,1,1,2-Tetrachloroethane
Concen: 5.104 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion:131 Resp: 45108
Ion Ratio Lower Upper
131 100
133 96.4 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



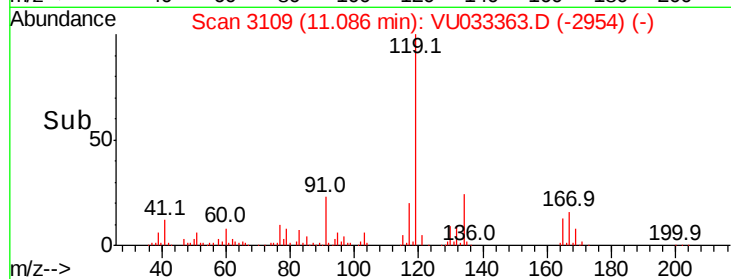
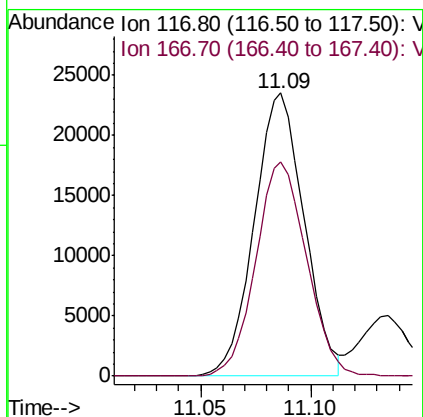
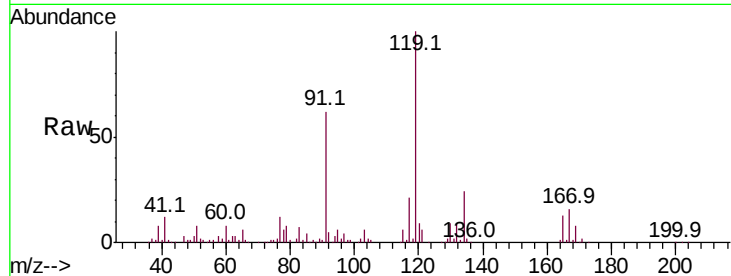


#61
Pentachloroethane
Concen: 5.715 ug/l
RT: 11.09 min Scan# 3109
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

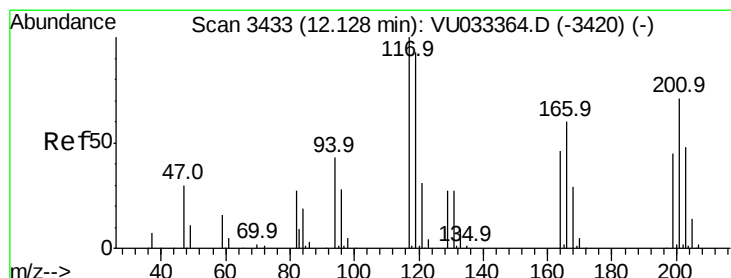
Tot Ion:117 Resp: 36917
Ion Ratio Lower Upper
117 100
167 77.1 63.4 95.0

Manual Integrations
APPROVED



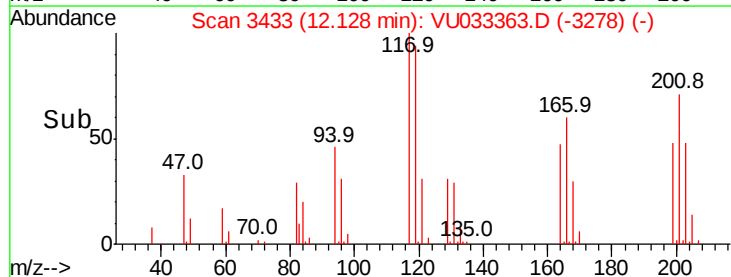
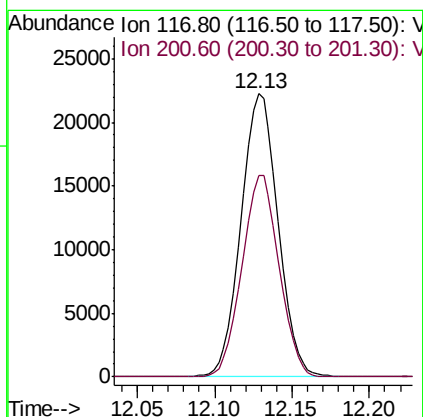
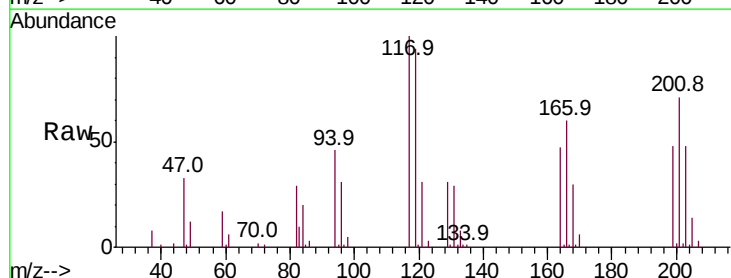
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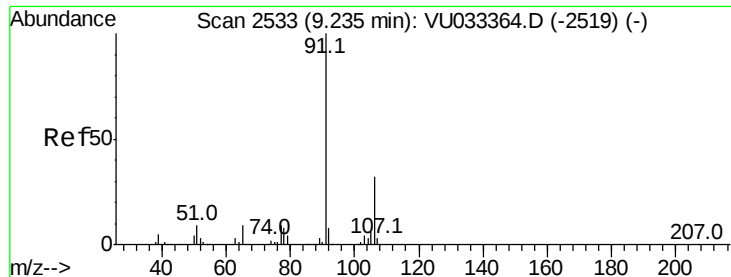
7/23/2019 8:54:53 AM



#62
Hexachloroethane
Concen: 5.871 ug/l
RT: 12.13 min Scan# 3433
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion:117 Resp: 37055
Ion Ratio Lower Upper
117 100
201 71.2 57.9 86.9



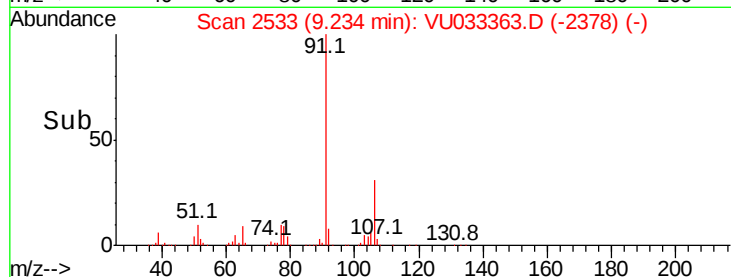
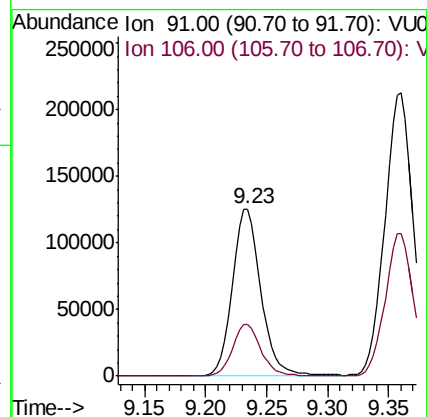
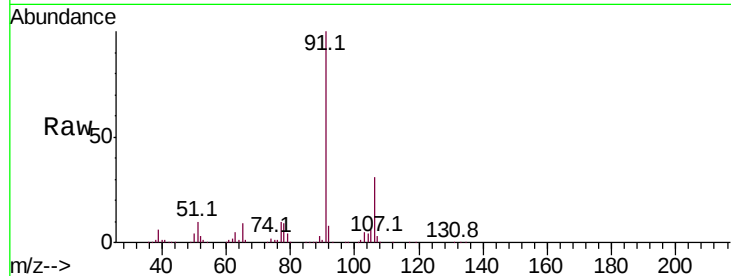


#63
Ethyl Benzene
Concen: 5.561 ug/l
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

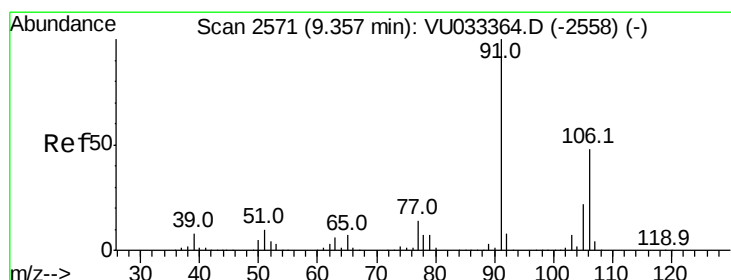
Tot Ion: 91 Resp: 206430
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.2

Manual Integrations
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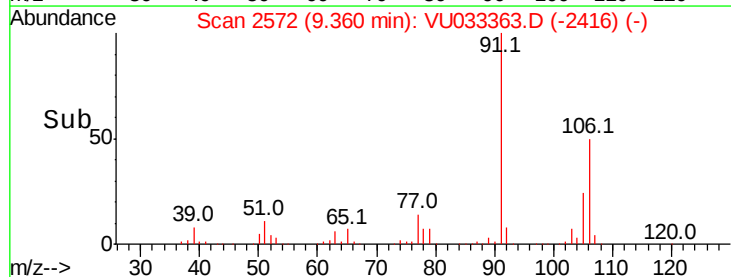
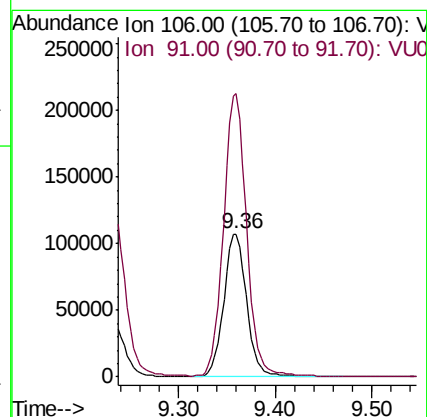
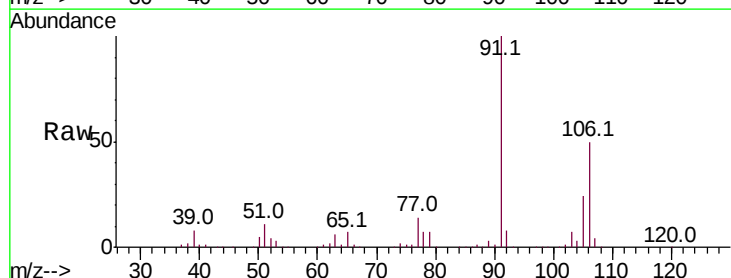
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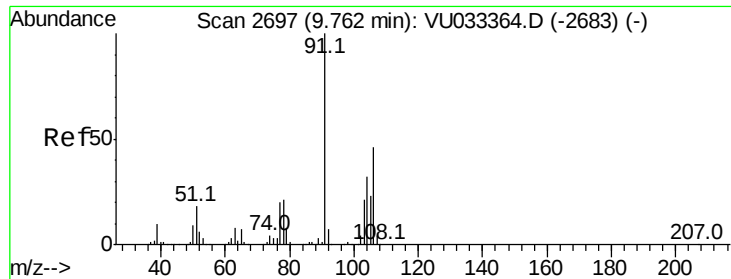
7/23/2019 8:54:53 AM



#64
m/p-Xylenes
Concen: 12.516 ug/l
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion: 106 Resp: 175396
Ion Ratio Lower Upper
106 100
91 199.7 167.1 250.7



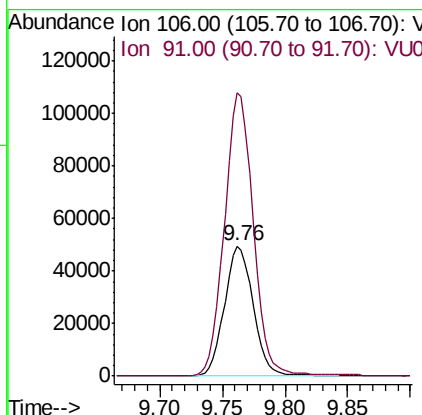
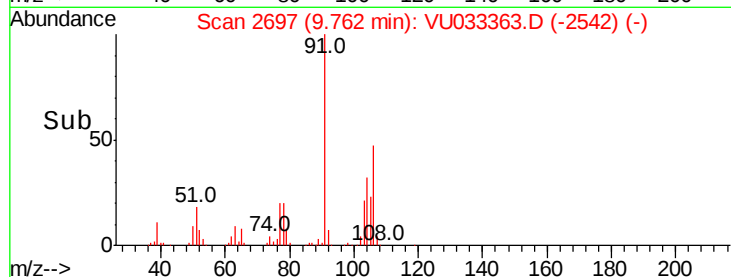
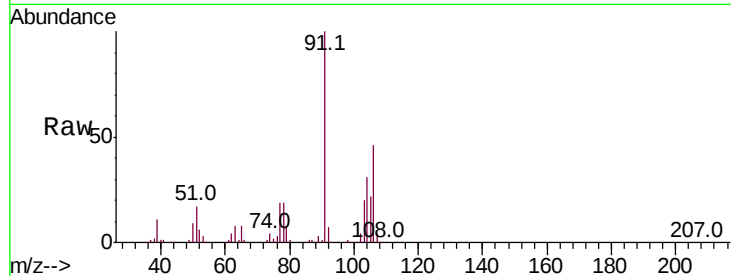


#65
o-Xylene
Concen: 5.788 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

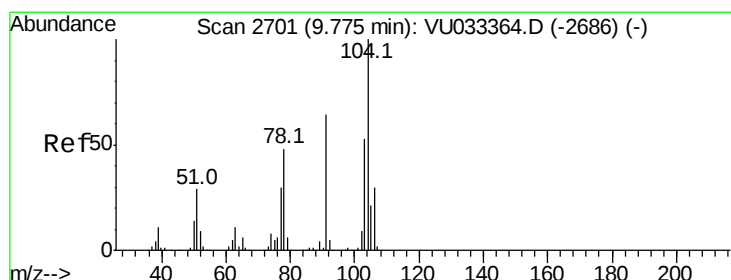
Tot Ion	Ratio	Lower	Upper
106	100		
91	218.8	108.5	325.3

Manual Integrations
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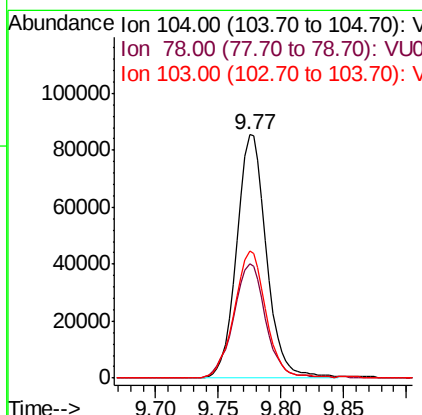
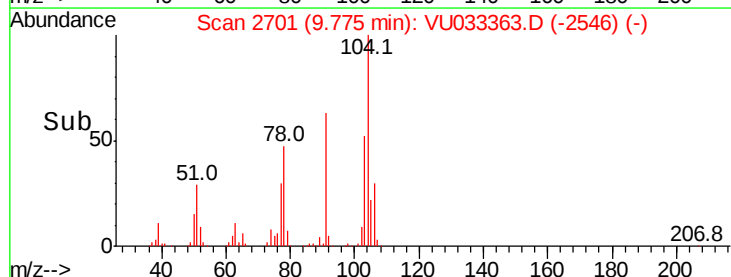
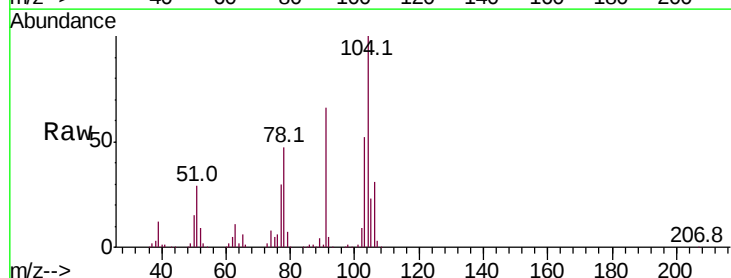
MMDadoda

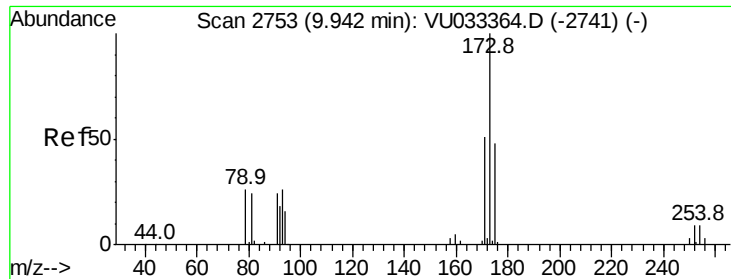
7/23/2019 8:54:53 AM



#66
Styrene
Concen: 6.238 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.9	41.2	61.8
103	55.4	44.7	67.1





#67

Bromoform

Concen: 5.240 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 24972

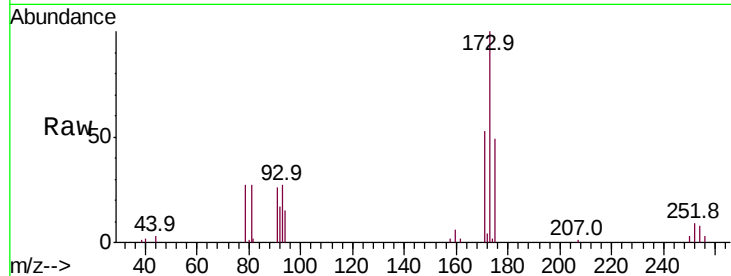
Ion Ratio Lower Upper

173 100

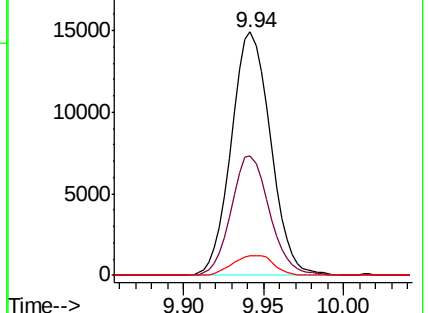
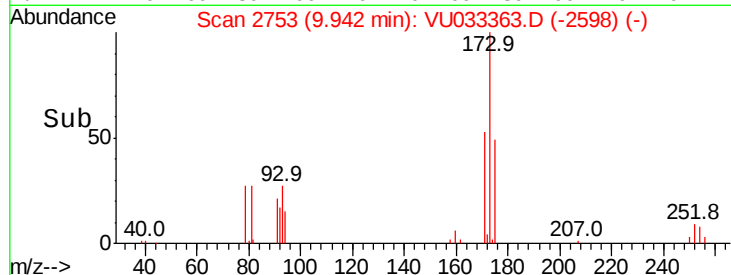
175 47.9 38.6 58.0

254 8.4 6.8 10.2

Manual Integrations
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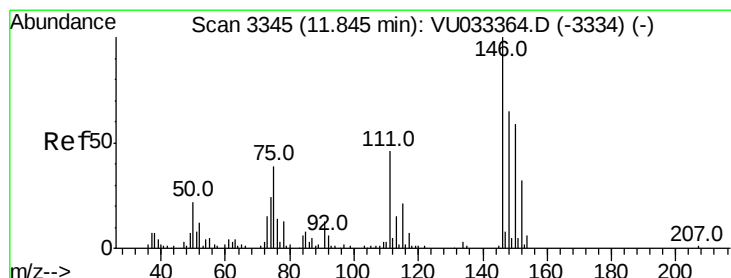


Abundance Ion 172.90 (172.60 to 173.60): V
20000
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



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#68

1,2-Dichlorobenzene-d4

Concen: 1.202 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

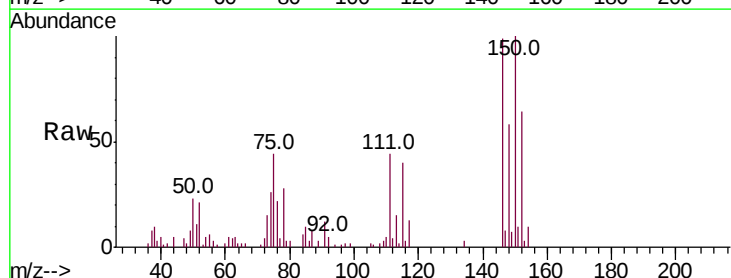
Tgt Ion:152 Resp: 12933

Ion Ratio Lower Upper

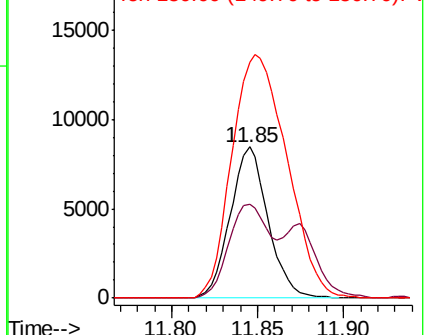
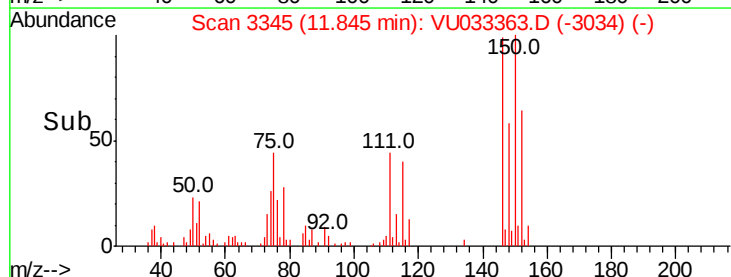
152 100

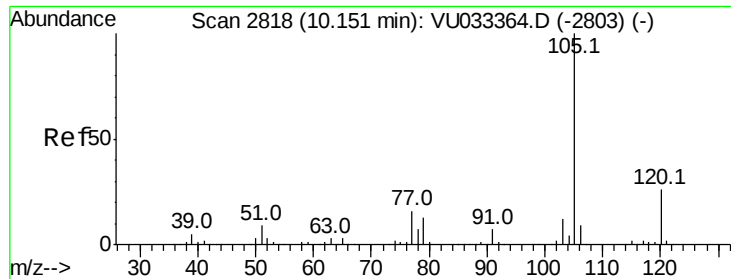
115 67.8 0.0 123.2

150 234.3 0.0 648.4



Abundance Ion 152.00 (151.70 to 152.70): V
15000
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



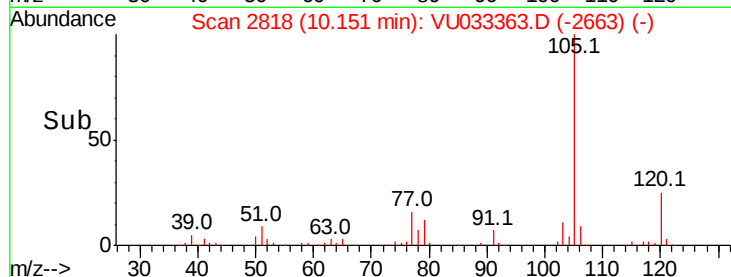
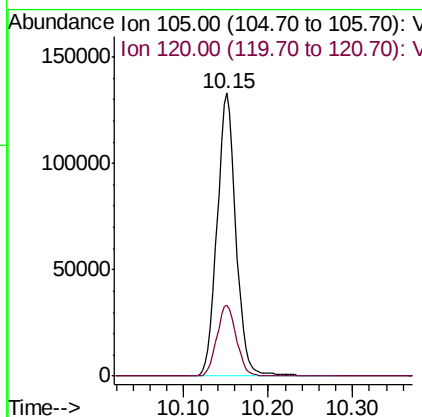
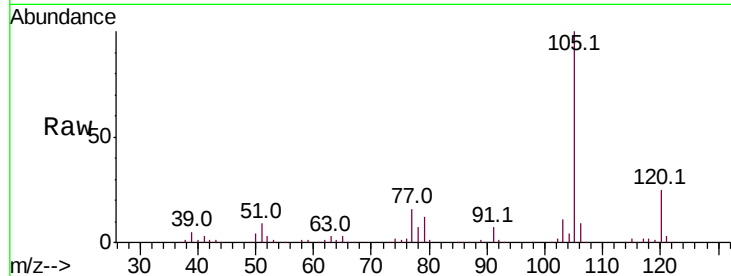


#69
Isopropylbenzene
Concen: 5.823 ug/l
RT: 10.15 min Scan# 2818
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

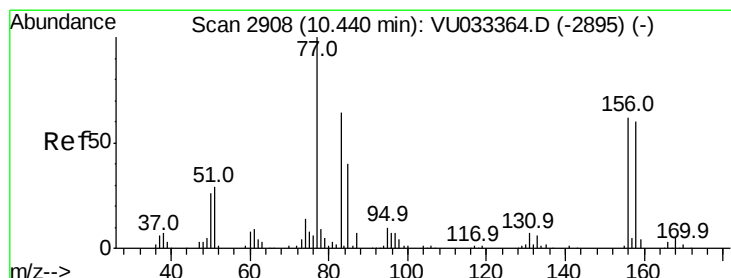
Tot Ion:105 Resp: 207167
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.1

Manual Integrations
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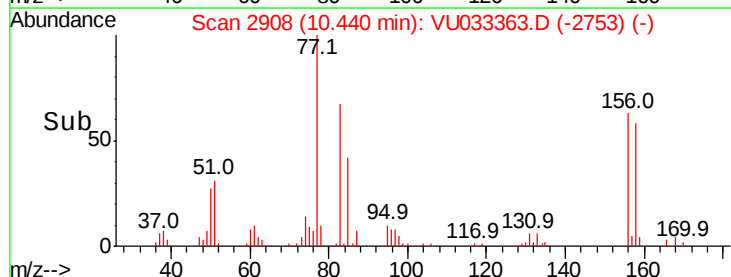
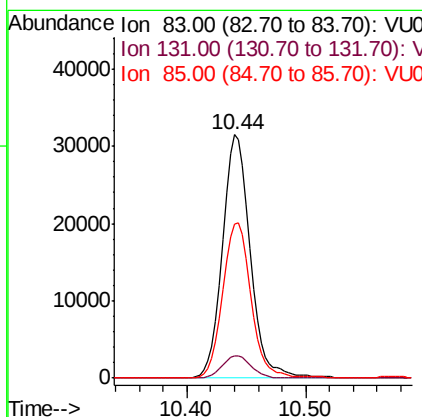
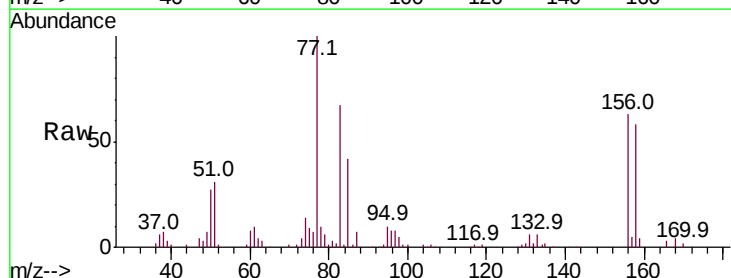
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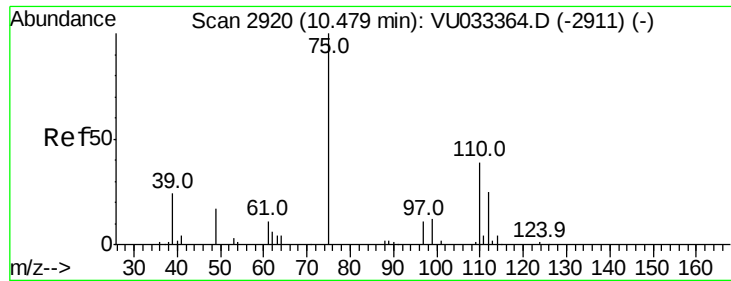
7/23/2019 8:54:53 AM



#70
1,1,2,2-Tetrachloroethane
Concen: 5.235 ug/l
RT: 10.44 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion: 83 Resp: 50977
Ion Ratio Lower Upper
83 100
131 9.4 8.0 12.0
85 64.9 51.8 77.8



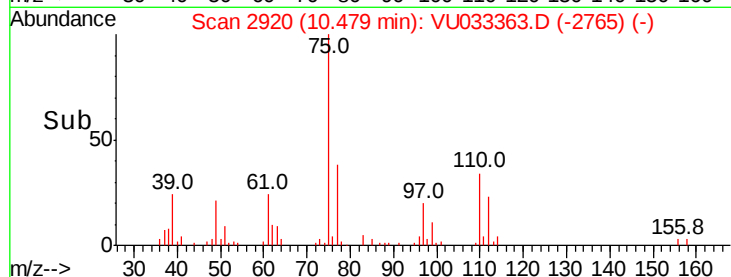
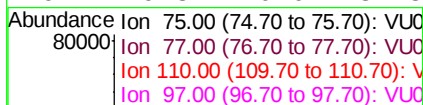
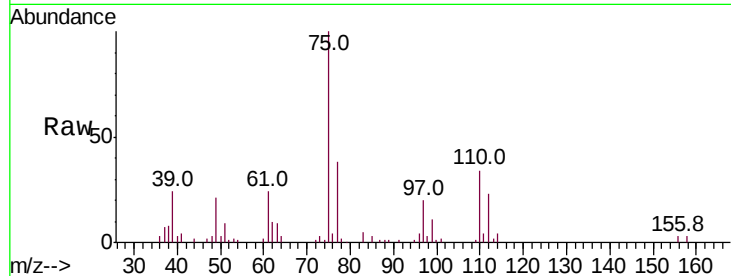


#71
1,2,3-Trichloropropane
Concen: 5.194 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

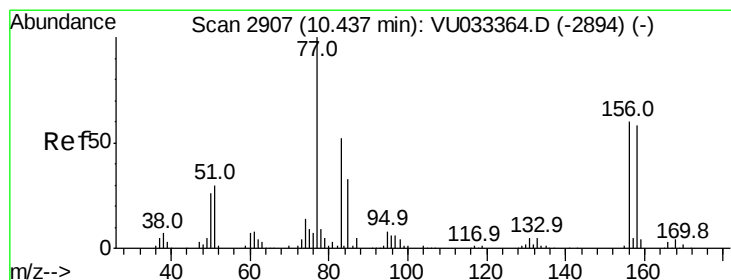
Tot Ion	Ratio	Lower	Upper
75	100		
77	10.0	0.0	18.2
110	36.5	0.0	71.4
97	19.3	0.0	37.8

Manual Integrations
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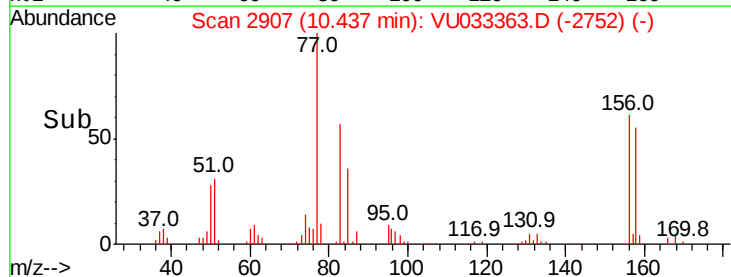
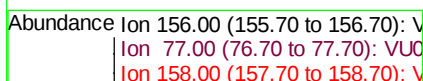
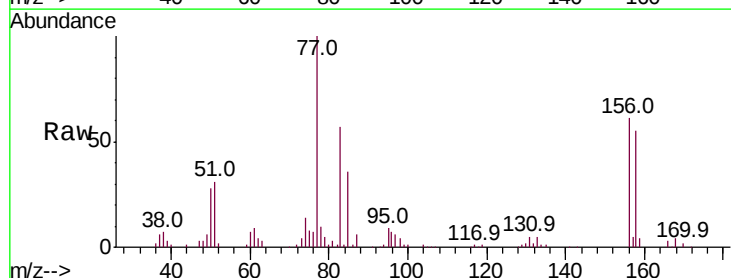
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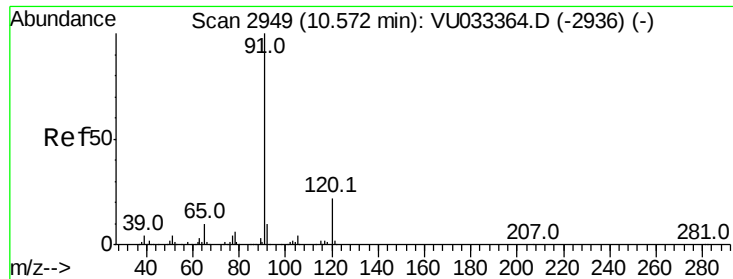
7/23/2019 8:54:53 AM



#72
Bromobenzene
Concen: 5.817 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
156	100		
77	164.3	0.0	324.4
158	94.0	0.0	192.4





#73

n-propylbenzene

Concen: 6.447 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

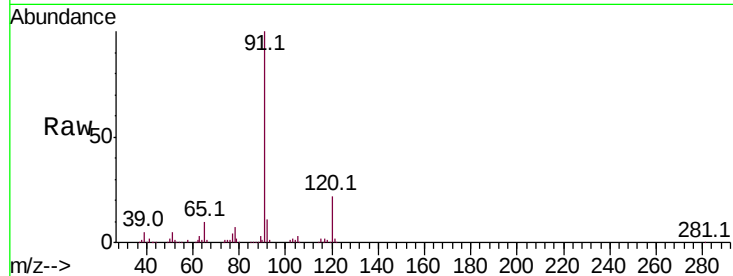
Tot Ion:120 Resp: 60285

Ion Ratio Lower Upper

120 100

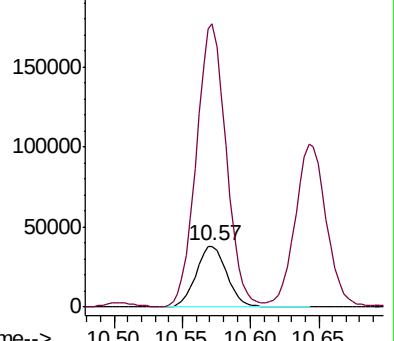
91 447.0 355.1 532.7

Manual Integrations
APPROVED



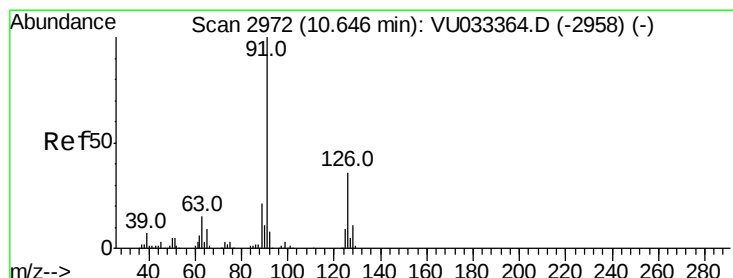
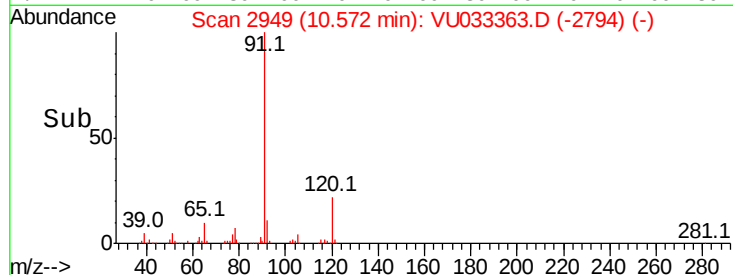
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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#74

2-Chlorotoluene

Concen: 6.081 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033363.D

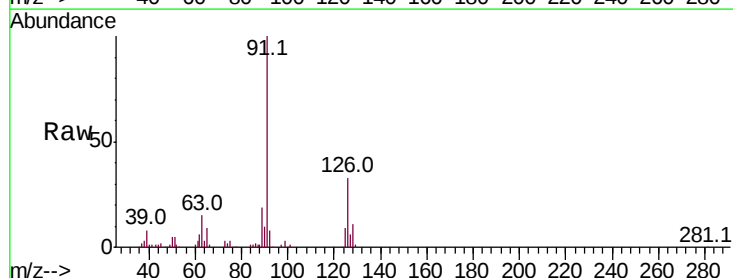
Acq: 22 Jul 2019 20:34

Tgt Ion:126 Resp: 53955

Ion Ratio Lower Upper

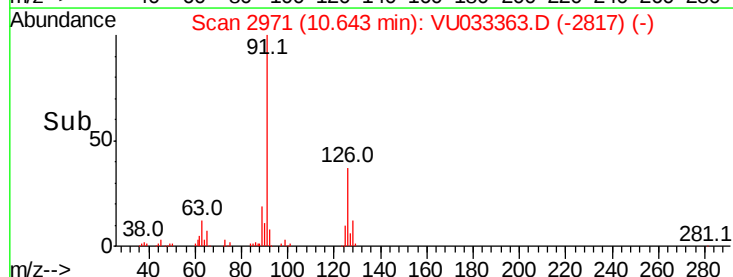
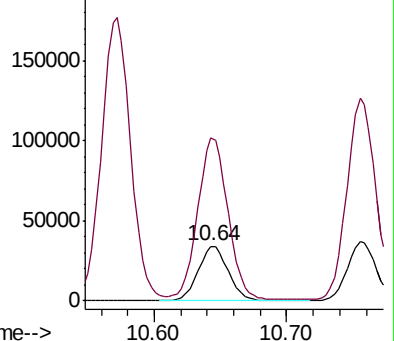
126 100

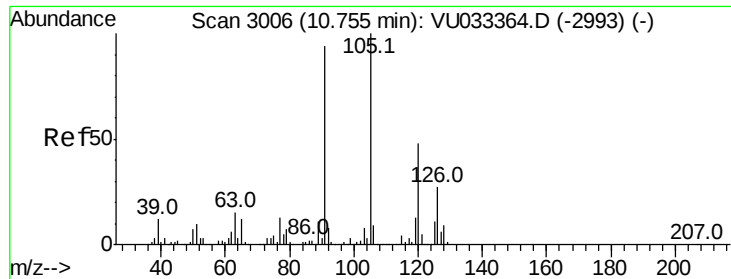
91 302.1 0.0 598.0



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: 6.304 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033363.D

Acq: 22 Jul 2019 20:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

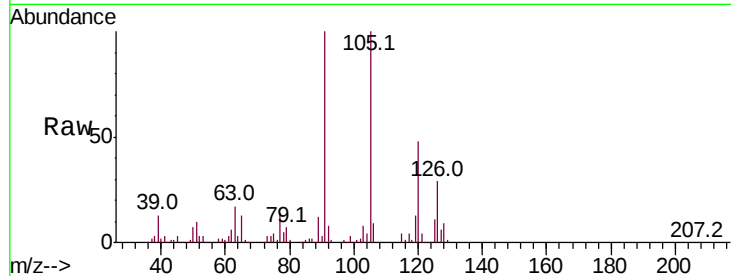
Tot Ion:105 Resp: 192899

Ion Ratio Lower Upper

105 100

120 48.6 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

150000

10.76

100000

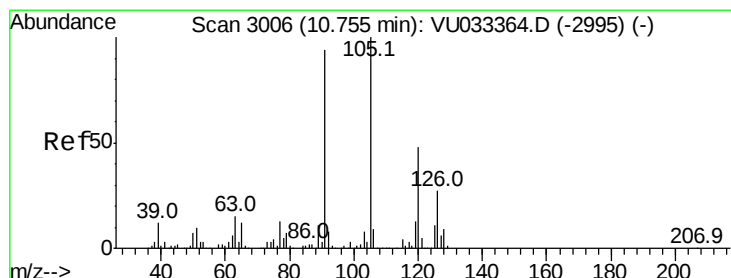
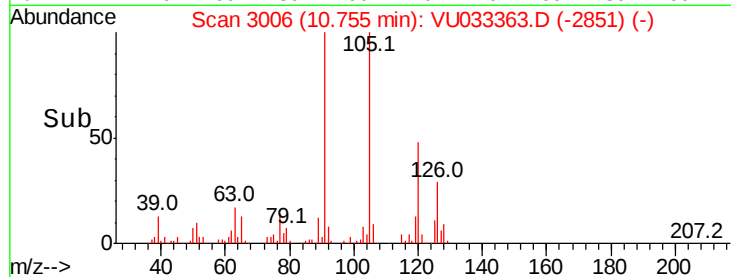
50000

0

Time-->

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#76

4-Chlorotoluene

Concen: 6.468 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033363.D

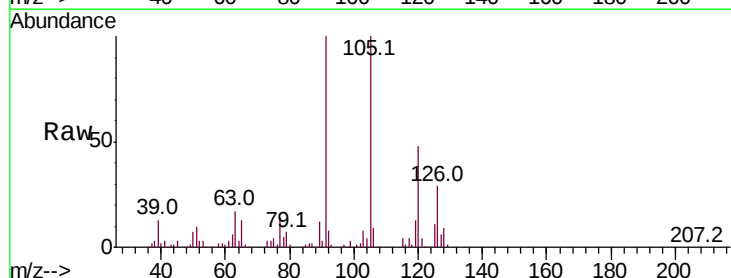
Acq: 22 Jul 2019 20:34

Tgt Ion:126 Resp: 56437

Ion Ratio Lower Upper

126 100

91 346.9 0.0 681.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

150000

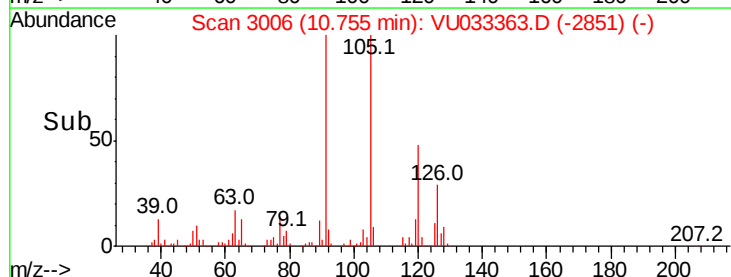
10.76

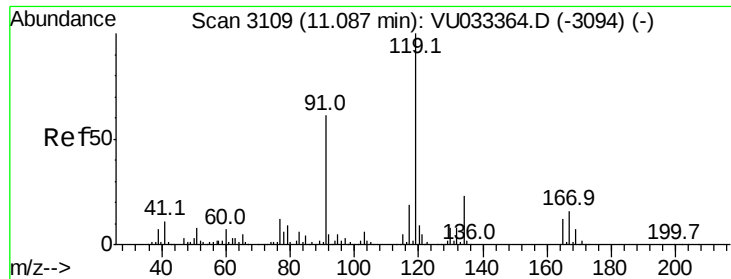
100000

50000

0

Time-->



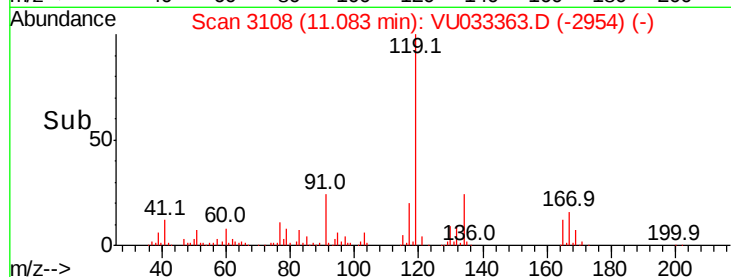
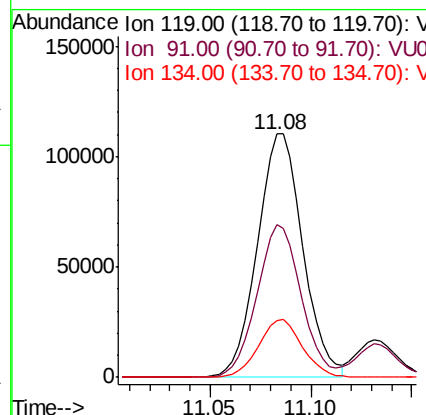
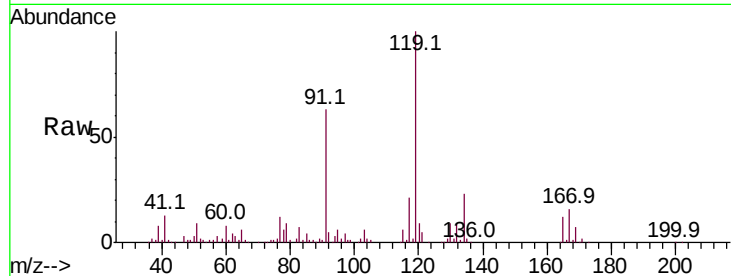


#77
tert-Butylbenzene
Concen: 6.032 ug/l
RT: 11.08 min Scan# 3108
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

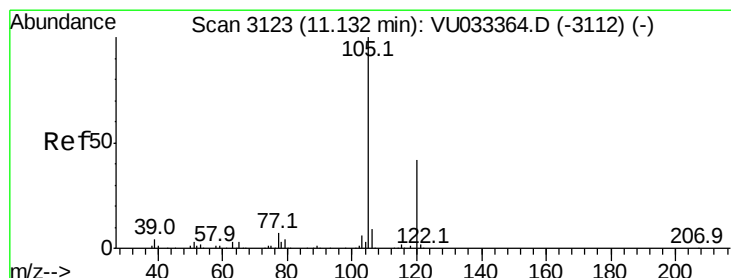
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.4	91.3
134	23.1	18.5	27.7

Manual Integrations
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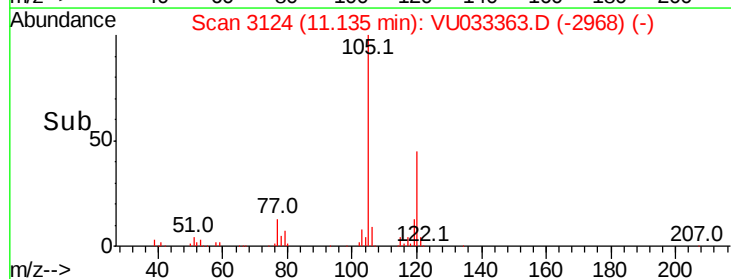
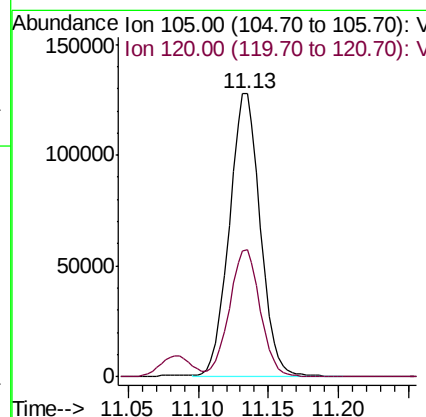
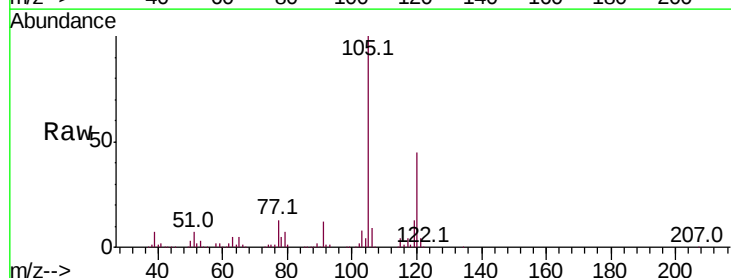
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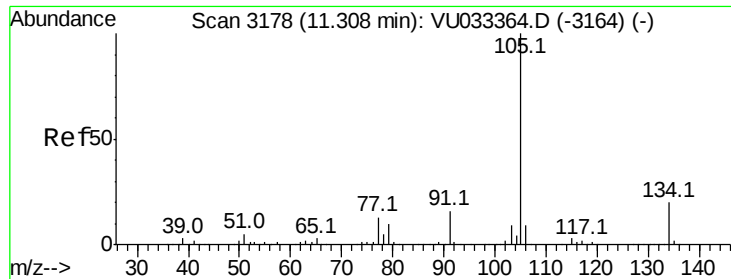
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#78
1,2,4-Trimethylbenzene
Concen: 6.278 ug/l
RT: 11.13 min Scan# 3124
Delta R.T. 0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.5	67.5



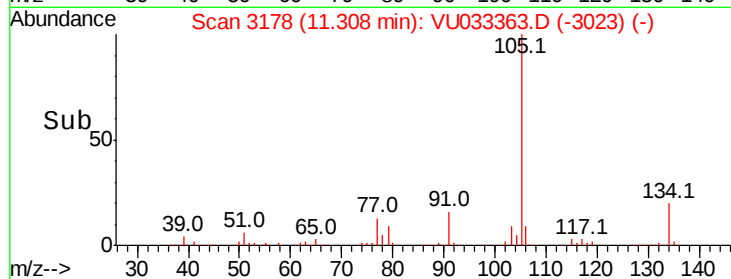
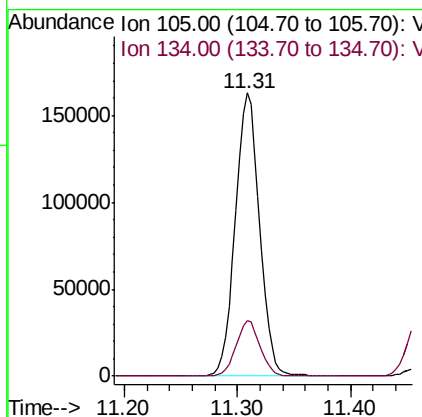
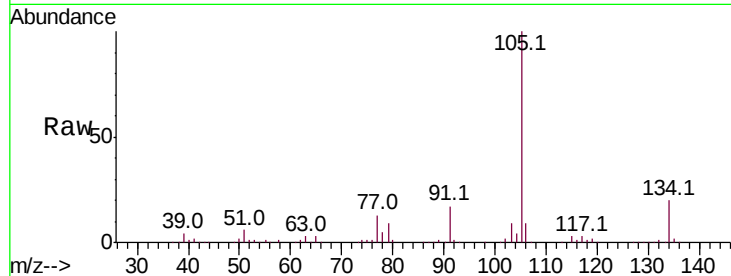


#79
 sec-Butylbenzene
 Concen: 6.212 ug/l
 RT: 11.31 min Scan# 3178
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

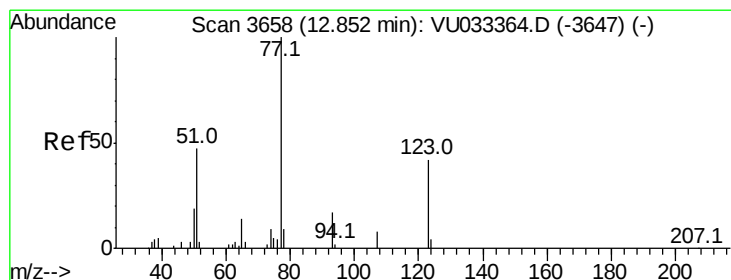
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.5	23.3

Manual Integrations
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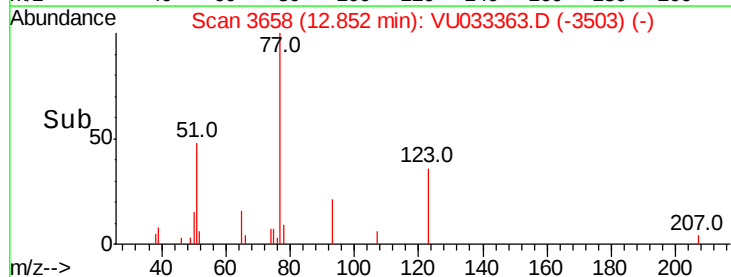
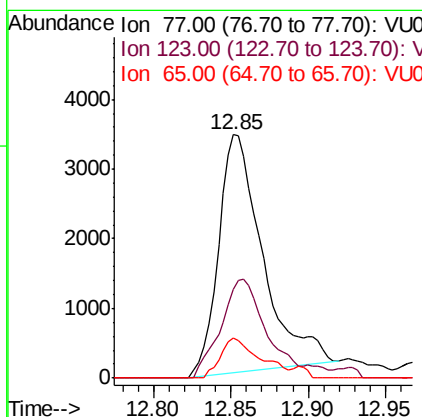
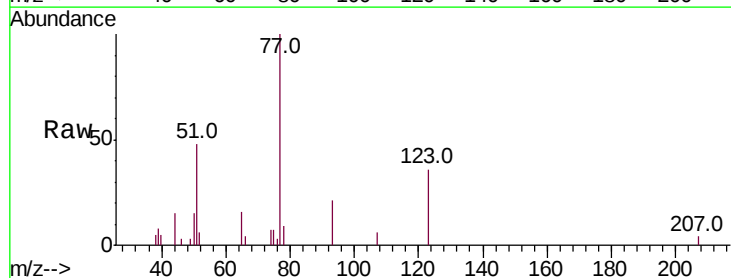
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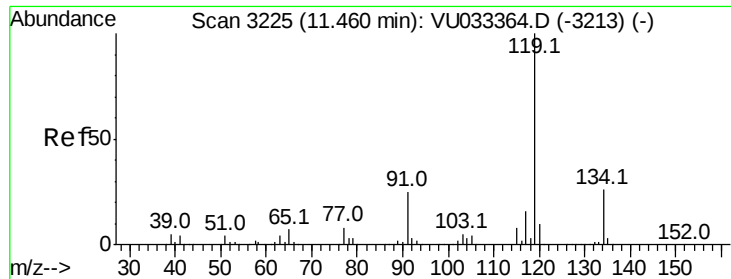
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#80
 Nitrobenzene
 Concen: 28.050 ug/l
 RT: 12.85 min Scan# 3658
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.9	19.3	68.3
65	12.2	10.1	12.9



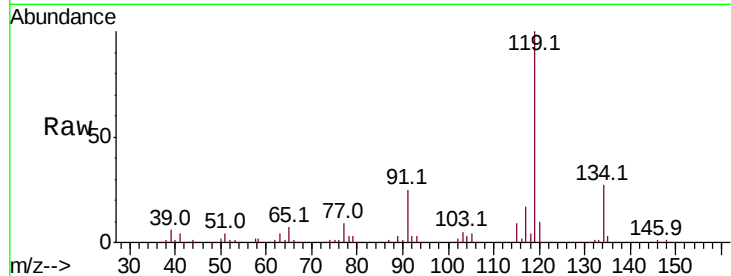


#81
p-Isopropyltoluene
Concen: 6.357 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	21.0	31.4
91	25.5	19.8	29.6

Manual Integrations
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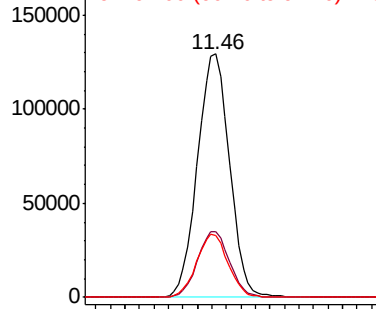


Abundance

Ion 119.00 (118.70 to 119.70): V

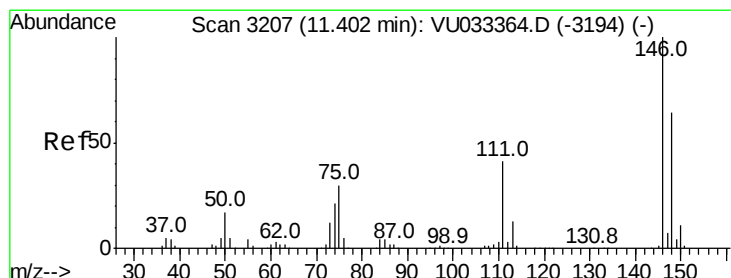
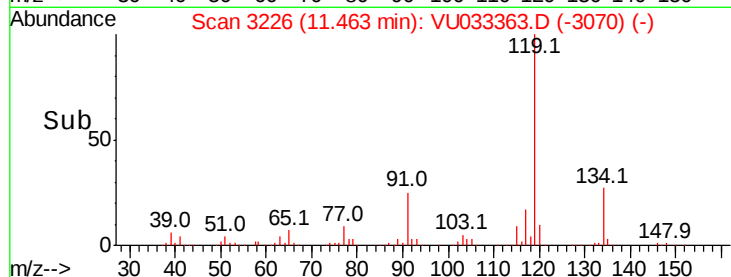
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



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#82
1,3-Dichlorobenzene
Concen: 6.104 ug/l
RT: 11.40 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

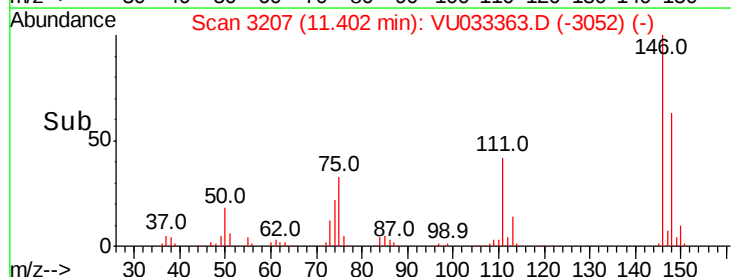
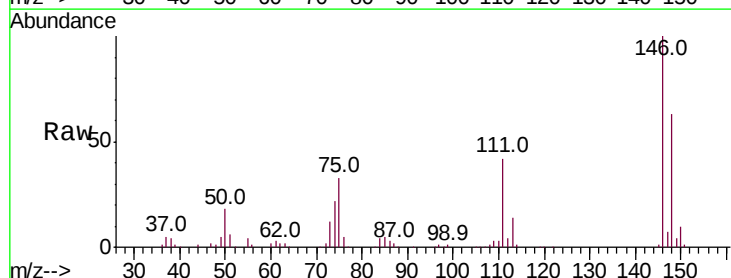
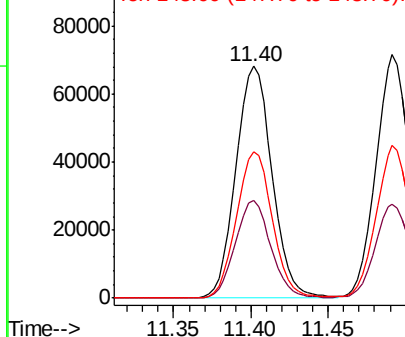
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	33.3	49.9
148	62.6	50.8	76.2

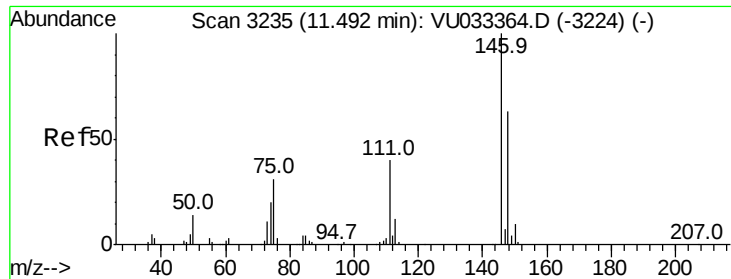
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



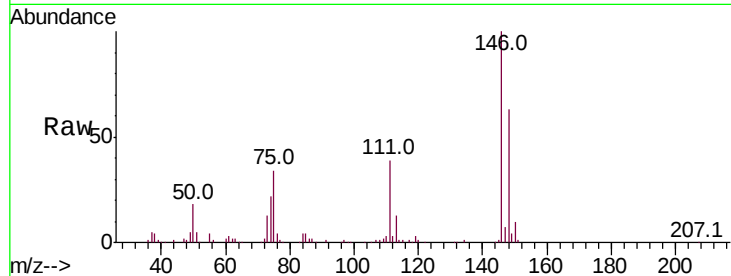


#83
 1,4-Dichlorobenzene
 Concen: 6.420 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.8	32.2	48.4	
148	63.4	51.0	76.4	

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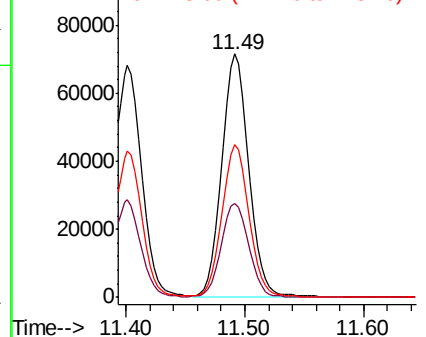


Abundance

Ion 146.00 (145.70 to 146.70): V

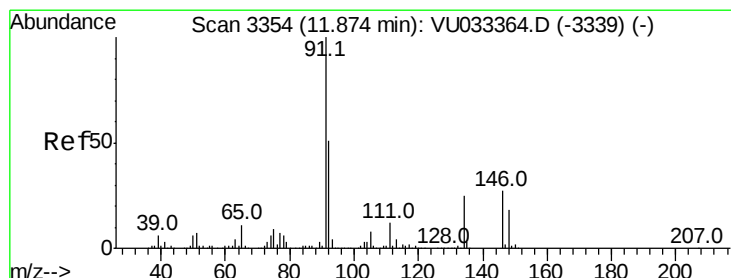
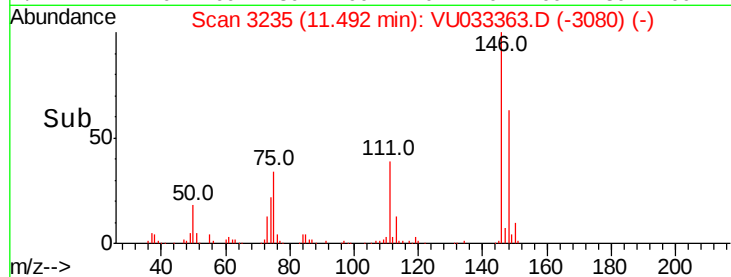
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



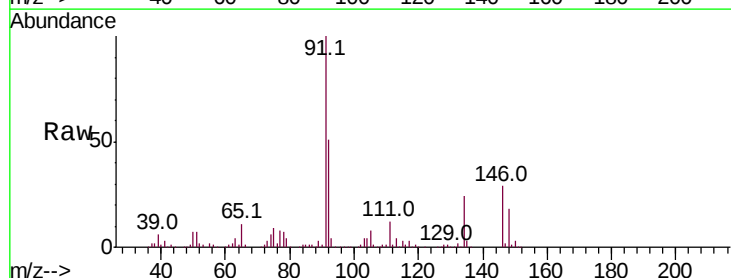
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#84
 n-Butylbenzene
 Concen: 6.723 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.9	41.0	61.6	
134	23.8	19.5	29.3	

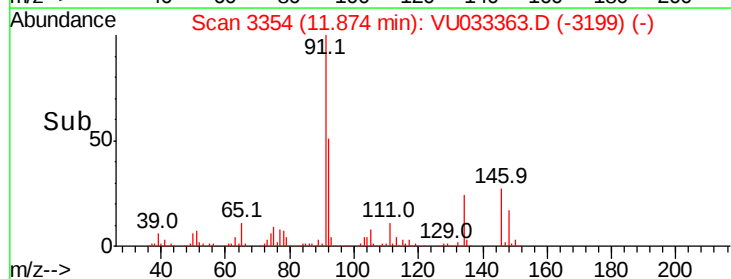
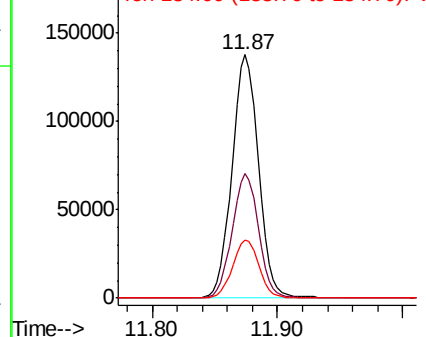


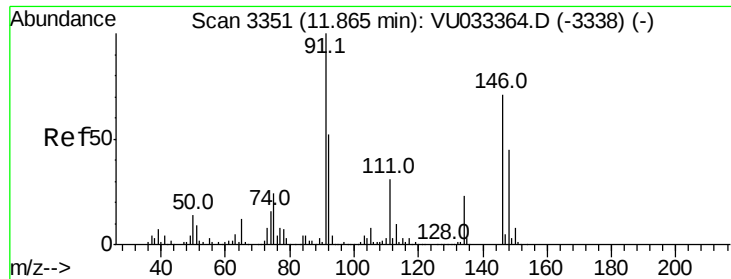
Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V



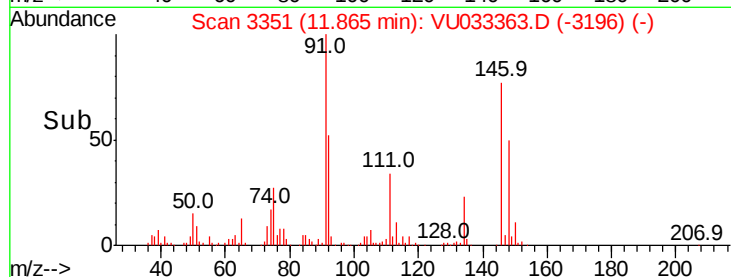
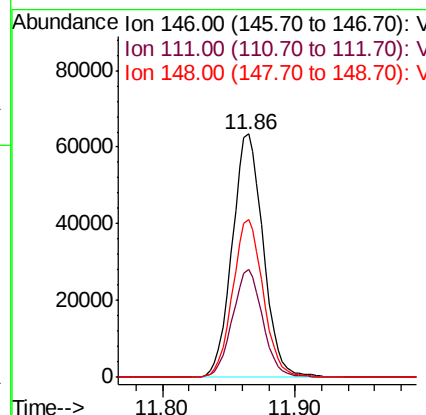
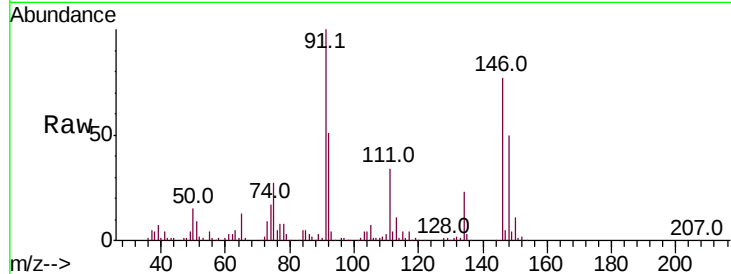


#85
 1,2-Dichlorobenzene
 Concen: 5.949 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

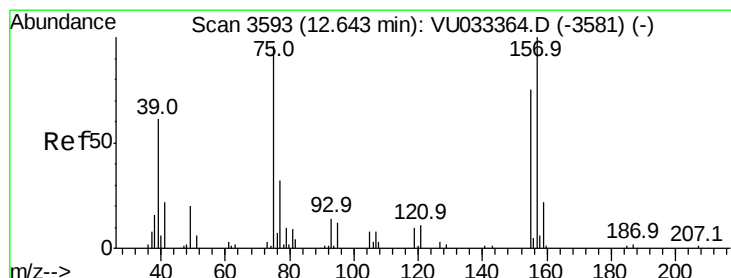
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.7	65.1
148	63.9	32.0	96.0

Manual Integrations
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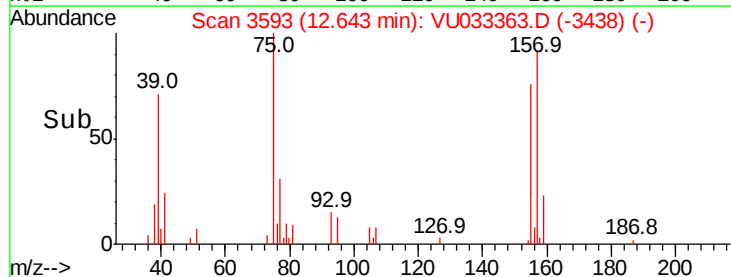
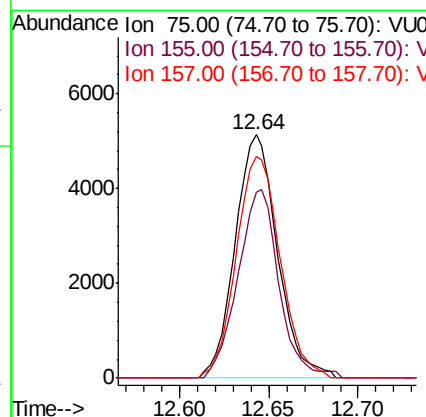
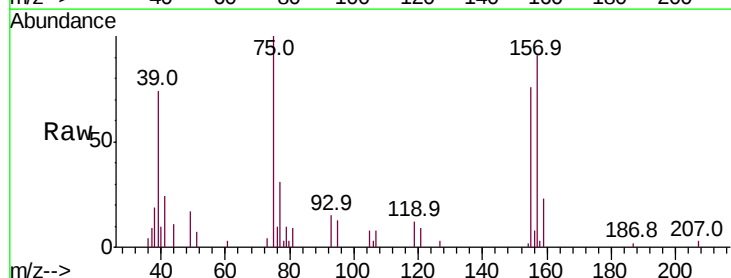
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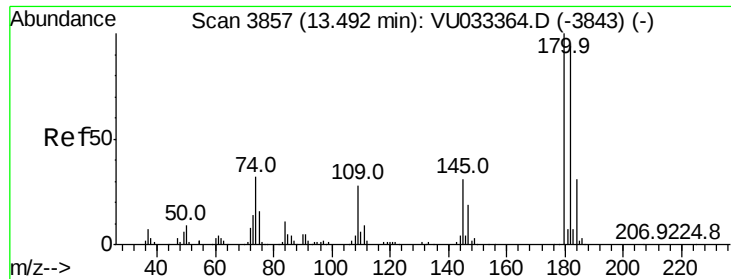
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 6.001 ug/l
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	63.3	94.9
157	94.4	82.5	123.7



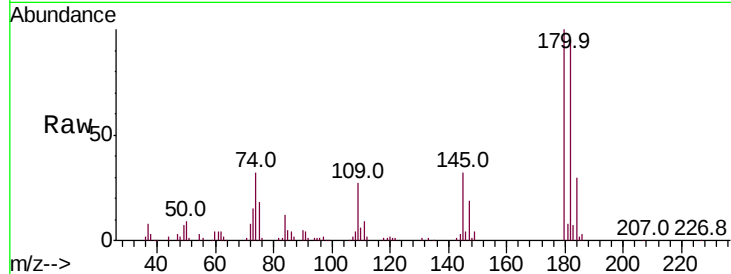


#87
 1,2,4-Trichlorobenzene
 Concen: 6.977 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.4
145	32.2	25.0	37.4

Manual Integrations
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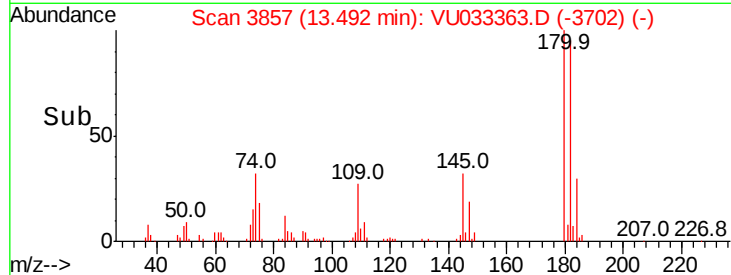
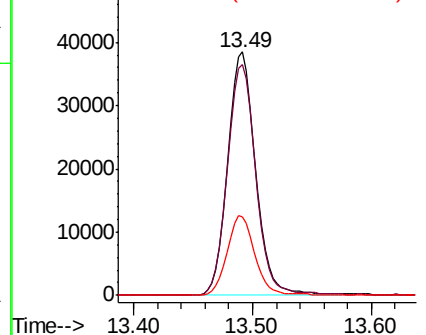


Abundance

Ion 179.70 (179.40 to 180.40): V

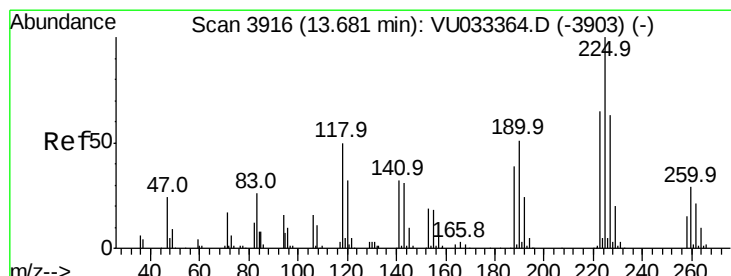
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



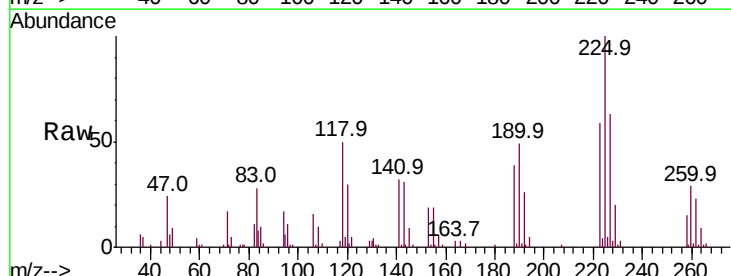
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#88
 Hexachlorobutadiene
 Concen: 5.833 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. -0.00 min
 Lab File: VU033363.D
 Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	52.2	78.4
227	63.0	51.7	77.5

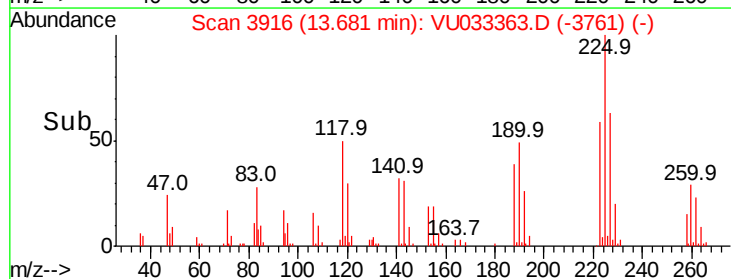
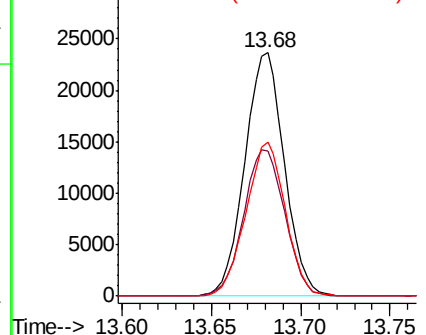


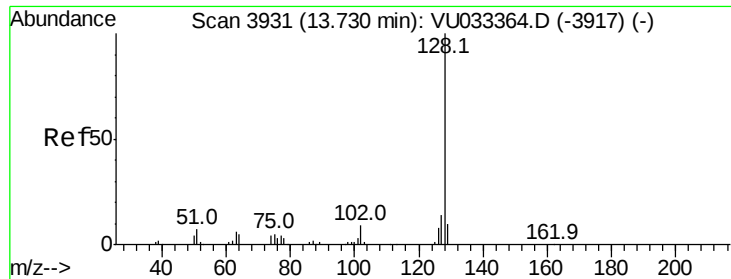
Abundance

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



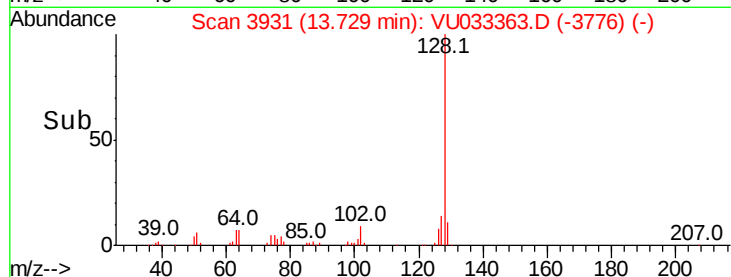
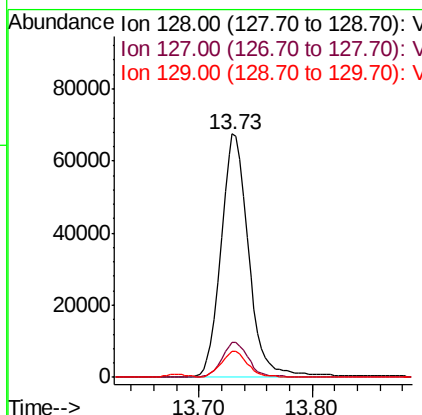
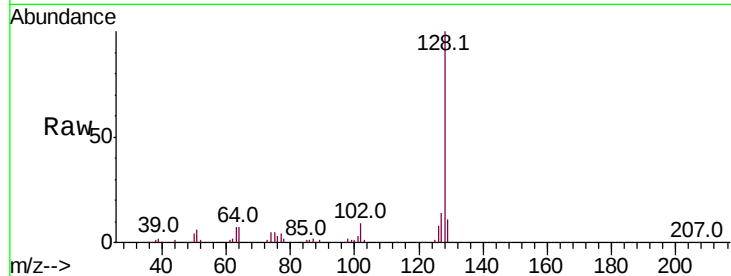


#89
Naphthalene
Concen: 7.299 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

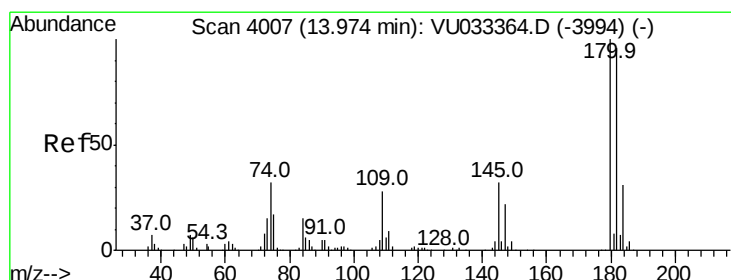
Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.8	16.2
129	9.9	8.5	12.7

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 6.882 ug/l
RT: 13.98 min Scan# 4008
Delta R.T. 0.00 min
Lab File: VU033363.D
Acq: 22 Jul 2019 20:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	77.9	116.9
145	32.1	25.8	38.8

