

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020619\
 Data File : VU029355.D
 Acq On : 06 Feb 2019 10:08
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Manual Integrations
 APPROVED

sam
 2/8/2019 2:27:16 PM

Quant Time: Feb 08 12:16:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	53635	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	24043	1.15	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	22302	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	190165	9.501	ug/l	99
3) Chloromethane	1.33	50	165305	9.037	ug/l	99
4) Vinyl Chloride	1.40	62	202100	9.425	ug/l	100
5) Bromomethane	1.62	94	122543	10.274	ug/l	93
6) Chloroethane	1.70	64	120045	9.582	ug/l	98
7) Trichlorofluoromethane	1.88	101	301140	10.057	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	163478	10.339	ug/l	90
9) 1,1-Dichloroethene	2.28	96	154778	10.003	ug/l	73
10) Iodomethane	2.41	142	227034	9.810	ug/l #	79
11) Allyl Chloride	2.59	41	243822	9.397	ug/l	92
12) Acrylonitrile	2.94	53	67591	19.491	ug/l	97
13) Acetone	2.32	43	157990	47.272	ug/l #	83
14) Carbon Disulfide	2.47	76	534113	9.777	ug/l	100
15) Methylene Chloride	2.70	84	170219	9.073	ug/l #	79
16) trans-1,2-Dichloroethene	2.98	96	173668	10.037	ug/l #	81
17) 1,1-Dichloroethane	3.44	63	255804	9.329	ug/l	97
18) 2-Butanone	4.27	43	187475	50.188	ug/l	96
19) Cyclohexane	4.99	56	225441m	8.868	ug/l	
20) Methylcyclohexane	6.41	83	264898	9.921	ug/l #	85
21) 2,2-Dichloropropane	4.22	77	247003	9.732	ug/l	93
22) cis-1,2-Dichloroethene	4.22	96	164556	10.096	ug/l	78
23) Diethyl Ether	2.10	59	118633	9.548	ug/l	89
24) tert-Butyl Alcohol	2.83	59	122131	94.586	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	431637	9.908	ug/l #	86
26) Bromochloromethane	4.54	128	72814	10.113	ug/l	75
27) Chloroform	4.67	83	264459	9.918	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	245817	9.946	ug/l	95
29) 1,1-Dichloropropene	5.13	75	207168	9.656	ug/l	92
30) Carbon Tetrachloride	5.13	117	230062	10.282	ug/l	100
31) Isopropyl Ether	3.57	45	390605	9.441	ug/l	90
32) Ethyl-t-butyl ether	4.07	59	394271	9.510	ug/l	91
33) Tert-Amyl methyl ether	5.58	73	368150	9.820	ug/l	99
34) Propionitrile	4.33	54	47710	48.591	ug/l #	92
35) Benzene	5.38	78	579071	9.760	ug/l	100
36) 1,2-Dichloroethane	5.40	62	173064	9.644	ug/l #	92
37) Trichloroethene	6.18	130	176998	10.396	ug/l	89
38) 1,2-Dichloropropane	6.43	63	148075	9.594	ug/l	99
39) Methacrylonitrile	4.55	41	46099	9.168	ug/l #	90
40) Methyl acrylate	4.42	55	73106	9.631	ug/l #	89
41) Tetrahydrofuran	4.65	42	45525	17.974	ug/l #	85
42) 1-Chlorobutane	5.06	56	271194	9.434	ug/l	90

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Manual Integrations
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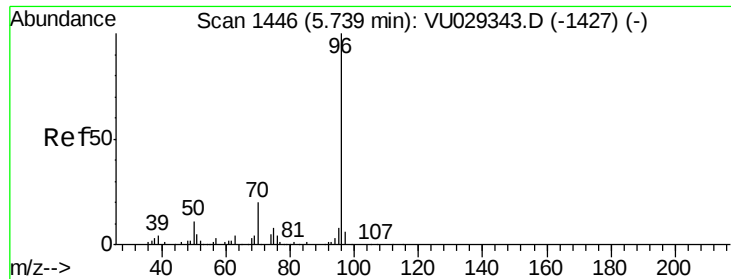
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Quant Time: Feb 08 12:16:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.56	93	79761	9.697	ug/l	89
44) Bromodichloromethane	6.75	83	203827	9.726	ug/l	94
45) 4-Methyl-2-Pentanone	7.46	43	459974	47.706	ug/l #	91
46) t-1,4-Dichloro-2-butene	10.51	75	93161m	19.832	ug/l	
47) Methyl methacrylate	6.62	69	147654	20.403	ug/l #	76
48) Ethyl methacrylate	8.02	69	157228	10.127	ug/l	81
49) Toluene	7.63	92	379815	10.004	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	205736	10.014	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	242534	9.938	ug/l #	89
52) 1,1,2-Trichloroethane	8.06	97	111171	10.209	ug/l	99
53) 1,3-Dichloropropane	8.24	76	190027	9.934	ug/l	99
54) 2-Hexanone	8.36	43	330828	48.950	ug/l	88
55) Dibromochloromethane	8.47	129	158375	10.233	ug/l	99
56) 1,2-Dibromoethane	8.58	107	109233	9.778	ug/l	99
58) Tetrachloroethene	8.22	164	167206	10.554	ug/l	92
59) Chlorobenzene	9.12	112	437010	10.217	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	164989	10.440	ug/l	98
61) Pentachloroethane	11.10	117	128548	10.495	ug/l	86
62) Hexachloroethane	12.14	117	144443	10.805	ug/l	96
63) Ethyl Benzene	9.25	91	742772	10.000	ug/l	95
64) m/p-Xylenes	9.37	106	594531	20.597	ug/l	87
65) o-Xylene	9.78	106	288131	10.169	ug/l	88
66) Styrene	9.79	104	482168	10.209	ug/l	94
67) Bromoform	9.95	173	105109	10.917	ug/l	100
69) Isopropylbenzene	10.16	105	768991	10.159	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.46	83	139675	10.008	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	103129m	10.760	ug/l	
72) Bromobenzene	10.45	156	197440	10.761	ug/l	85
73) n-propylbenzene	10.58	120	220988	10.481	ug/l	79
74) 2-Chlorotoluene	10.66	126	188651	10.508	ug/l	77
75) 1,3,5-Trimethylbenzene	10.77	105	659880	10.111	ug/l	95
76) 4-Chlorotoluene	10.77	126	193551	10.387	ug/l	79
77) tert-Butylbenzene	11.10	119	674579	10.457	ug/l	92
78) 1,2,4-Trimethylbenzene	11.14	105	681076	10.308	ug/l	95
79) sec-Butylbenzene	11.32	105	866282	10.264	ug/l	95
80) Nitrobenzene	12.86	77	34765	55.910	ug/l	89
81) p-Isopropyltoluene	11.47	119	748004	10.455	ug/l	94
82) 1,3-Dichlorobenzene	11.41	146	382502	10.626	ug/l	97
83) 1,4-Dichlorobenzene	11.50	146	380578	10.615	ug/l	97
84) n-Butylbenzene	11.89	91	681976	10.387	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	356760	10.482	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	25790	9.902	ug/l #	67
87) 1,2,4-Trichlorobenzene	13.50	180	261181	10.925	ug/l	98
88) Hexachlorobutadiene	13.69	225	155894	11.260	ug/l	98
89) Naphthalene	13.74	128	445844	10.996	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	235459	10.777	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

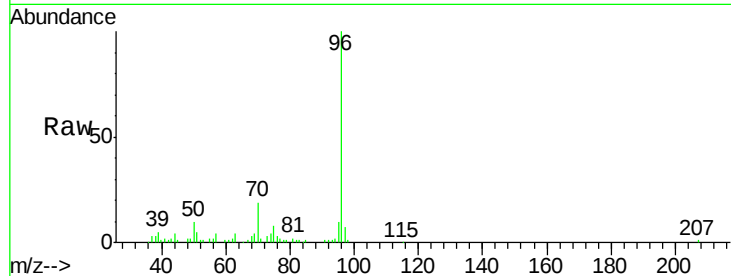
ClientSampleId :

VSTD01051

Tot Ion	Ion	Ratio	Resp: Lower	Upper
96	100			
70	19.1	16.2	24.2	
95	10.3	7.4	11.2	
97	0.0	0.0	0.0	

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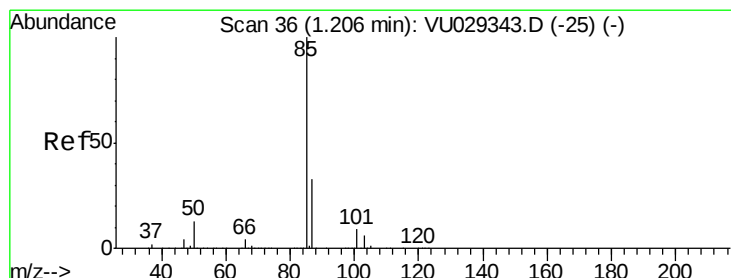
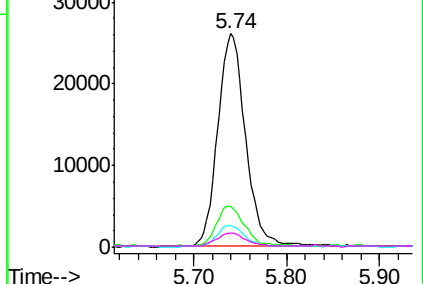
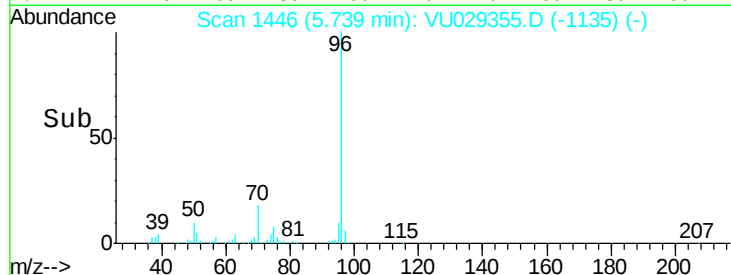


Abundance Ion 96.00 (95.70 to 96.70): VU029355.D (-1135) (-)

Ion 70.00 (69.70 to 70.70): VU029355.D (-1135) (-)

Ion 95.00 (94.70 to 95.70): VU029355.D (-1135) (-)

Ion 97.00 (96.70 to 97.70): VU029355.D (-1135) (-)



#2

Dichlorodifluoromethane

Concen: 9.501 ug/l

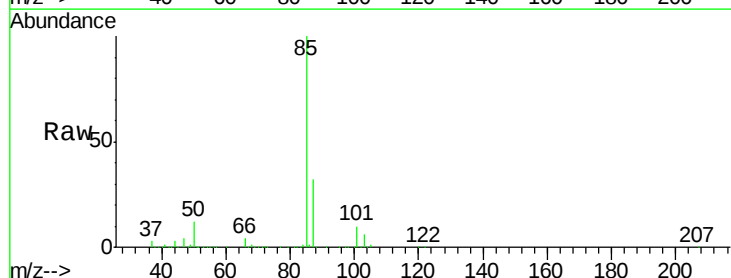
RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029355.D

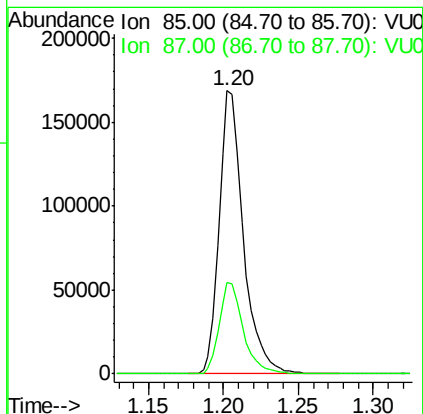
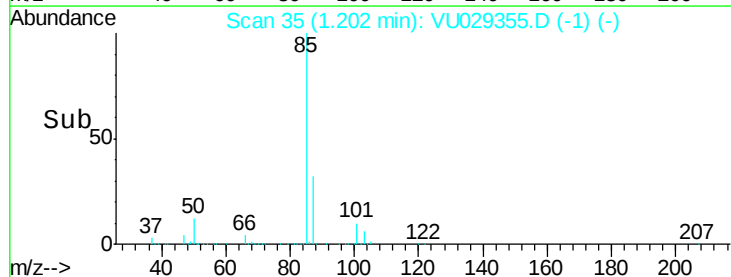
Acq: 06 Feb 2019 10:08

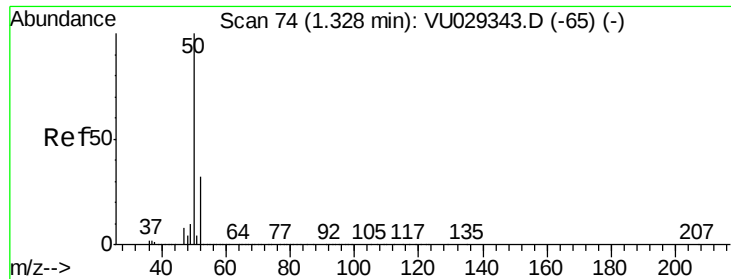
Tgt Ion	Ion	Ratio	Resp: Lower	Upper
85	100			
87	32.2	15.9	47.6	



Abundance Ion 85.00 (84.70 to 85.70): VU029355.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU029355.D (-1) (-)





#3

Chloromethane

Concen: 9.037 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

Tot Ion: 50 Resp: 165305

Ion Ratio Lower Upper

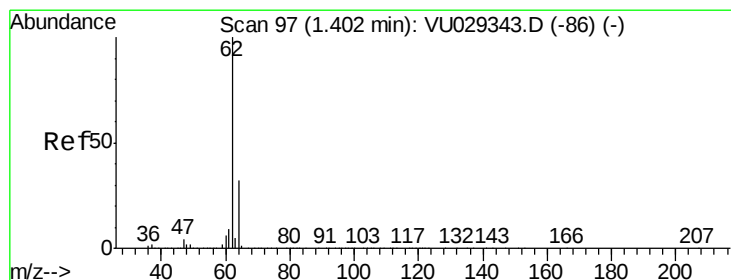
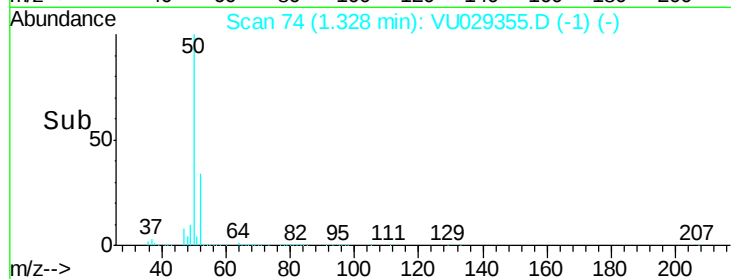
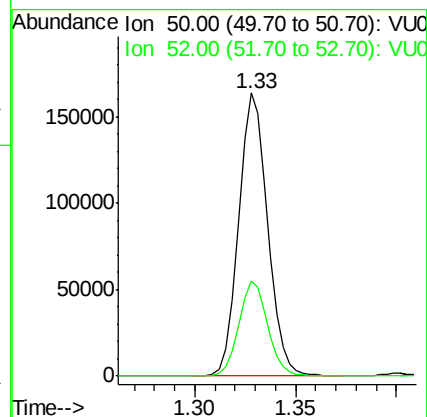
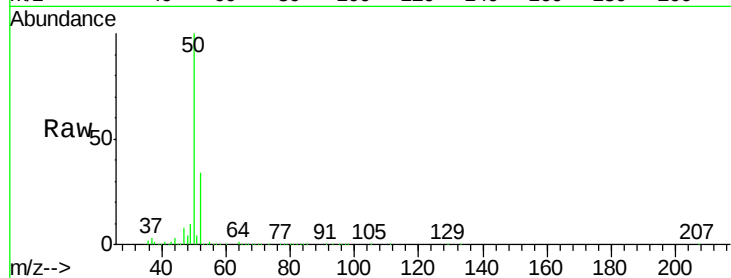
50 100

52 33.5 27.3 40.9

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#4

Vinyl Chloride

Concen: 9.425 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029355.D

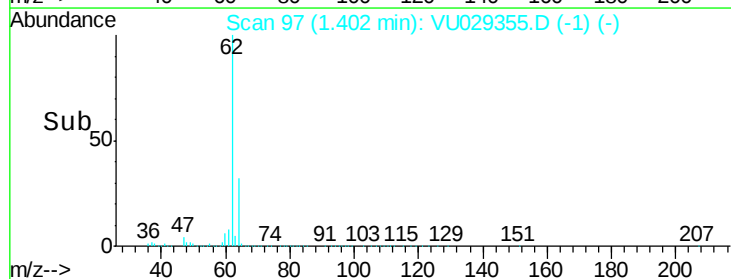
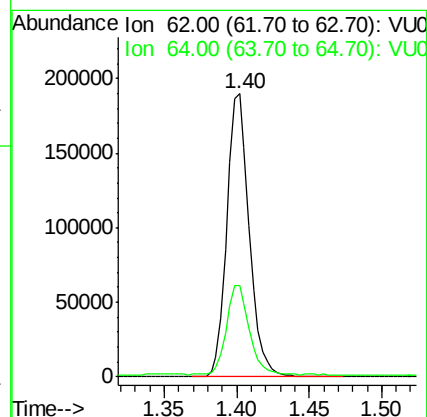
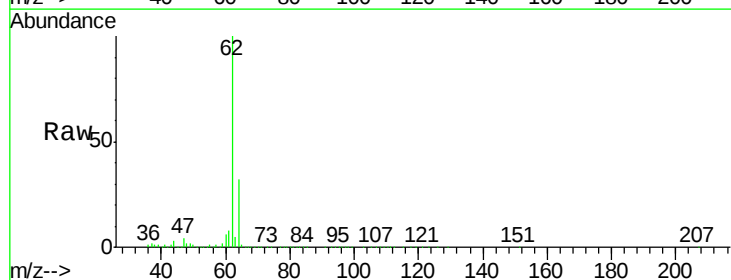
Acq: 06 Feb 2019 10:08

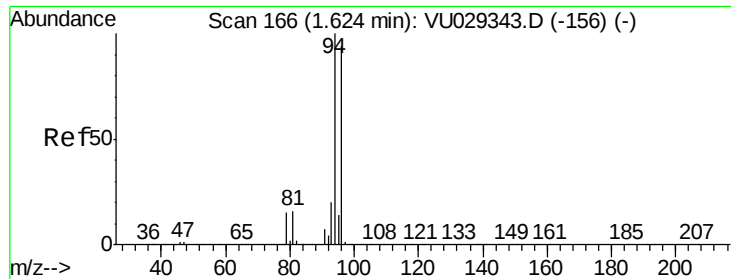
Tgt Ion: 62 Resp: 202100

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 10.274 ug/l

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

Tot Ion: 94 Resp: 122543

Ion Ratio Lower Upper

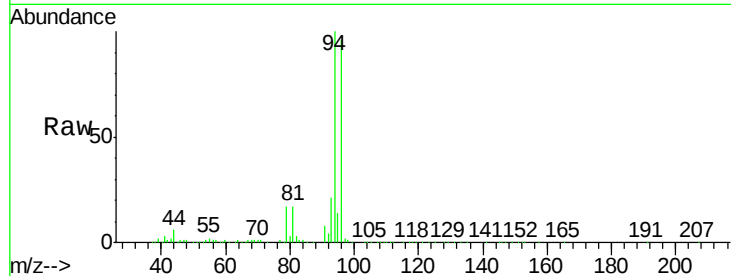
94 100

96 95.9 71.7 107.5

Manual Integrations
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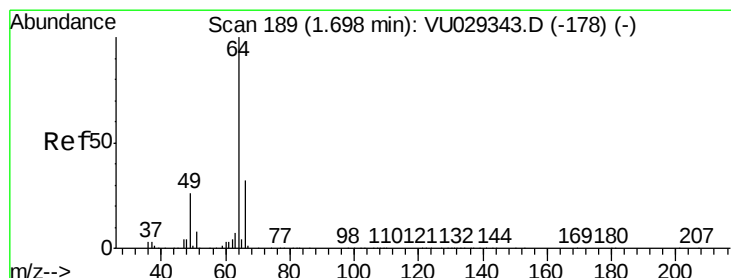
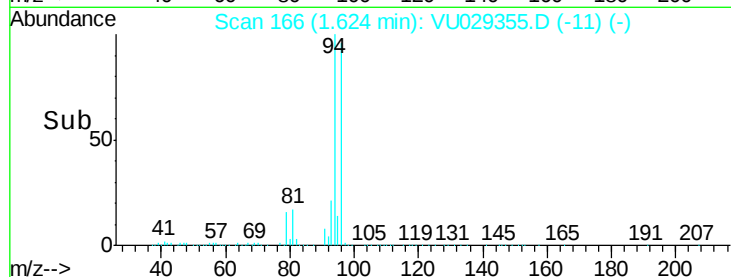
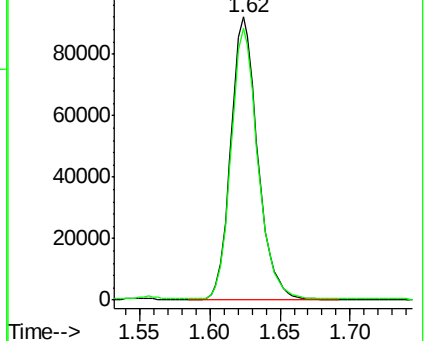
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 9.582 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029355.D

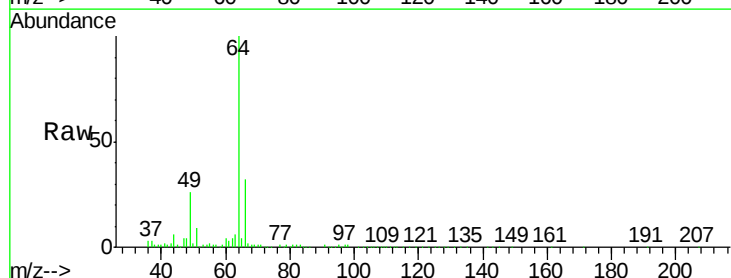
Acq: 06 Feb 2019 10:08

Tgt Ion: 64 Resp: 120045

Ion Ratio Lower Upper

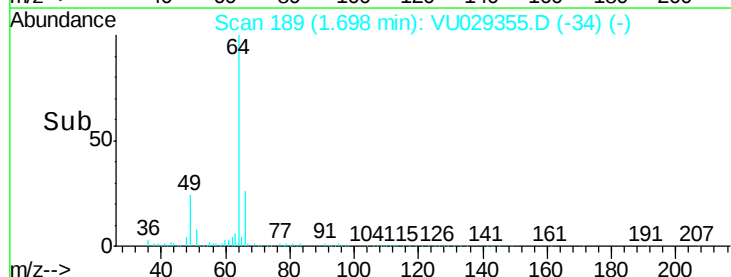
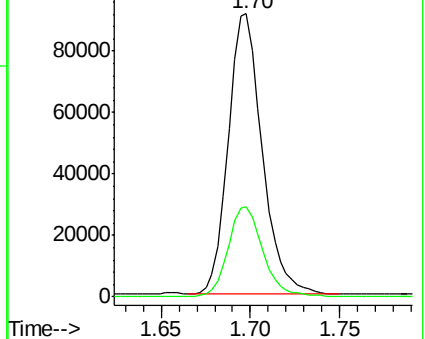
64 100

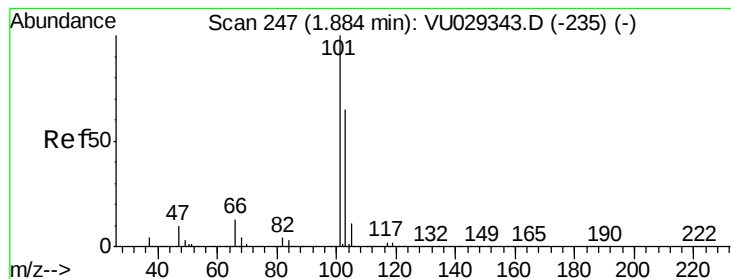
66 32.0 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

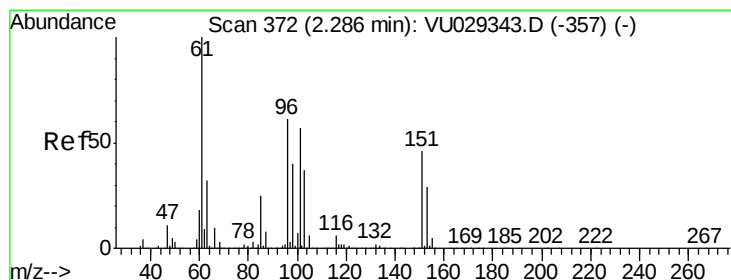
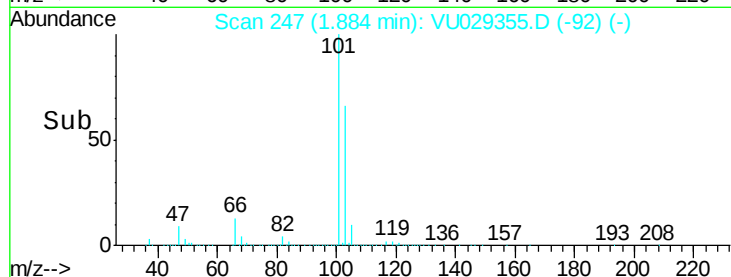
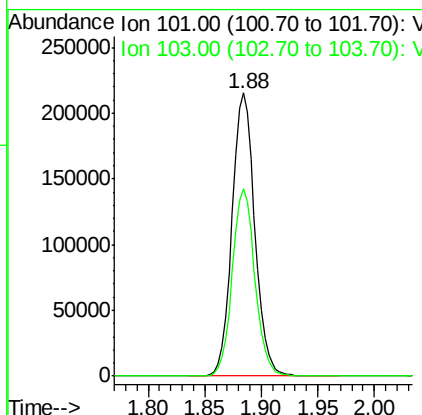
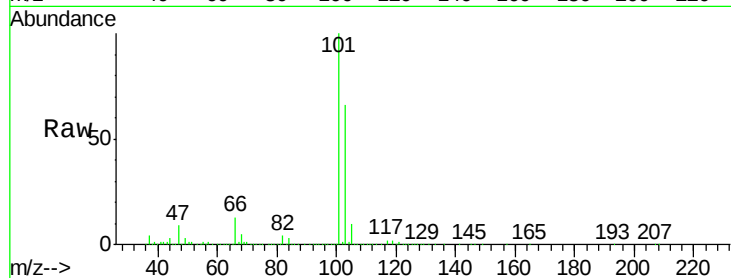
Trichlorofluoromethane
Concen: 10.057 ug/l
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

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VSTD01051

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	53.9	80.9

Manual Integrations
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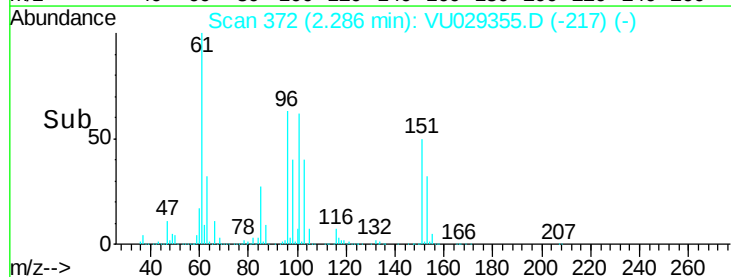
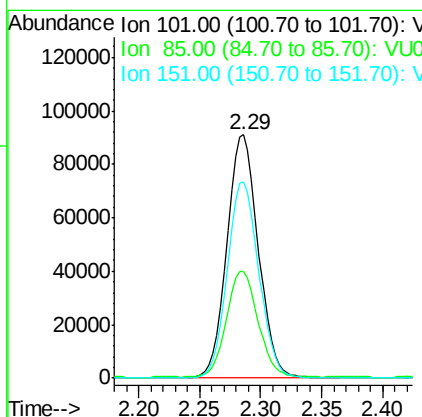
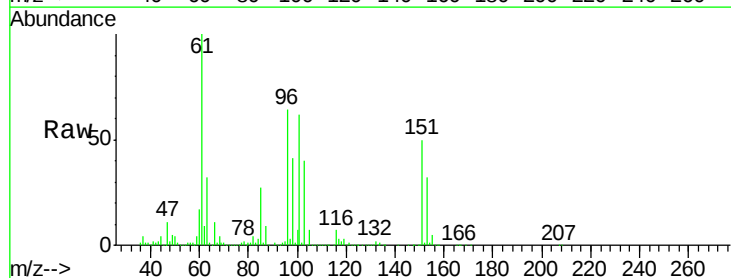
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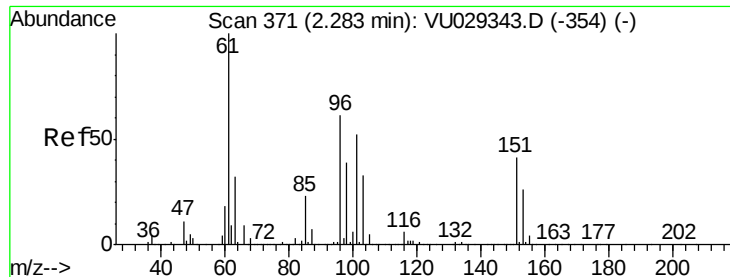


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.339 ug/l
RT: 2.29 min Scan# 372
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.8	40.3	60.5
151	81.0	58.1	87.1





#9

1,1-Dichloroethene

Concen: 10.003 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

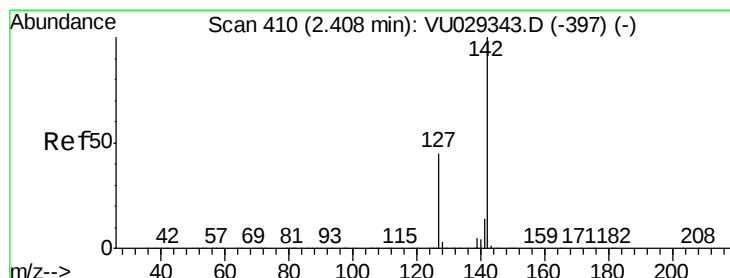
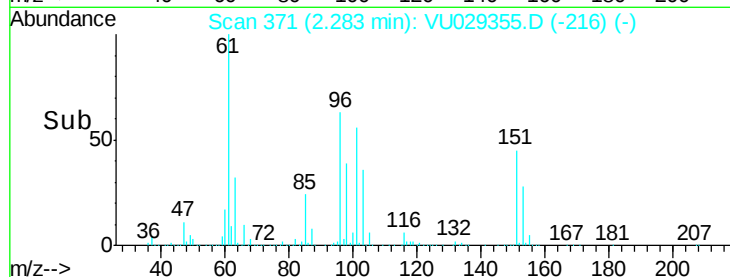
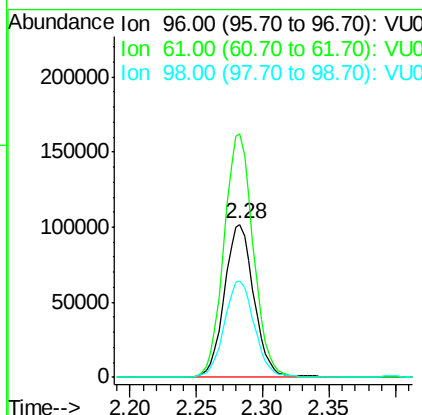
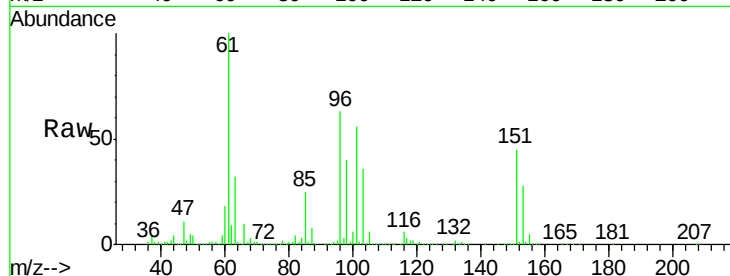
ClientSampleId :

VSTD01051

Tot Ion:	96	Resp:	154778
Ion Ratio	Lower	Upper	
96	100		
61	159.5	0.0	641.4
98	63.2	0.0	122.6

Manual Integrations
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#10

Iodomethane

Concen: 9.810 ug/l

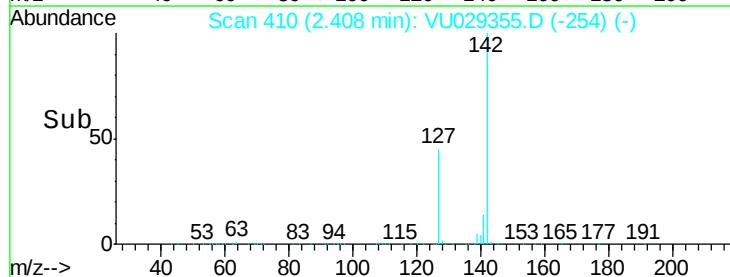
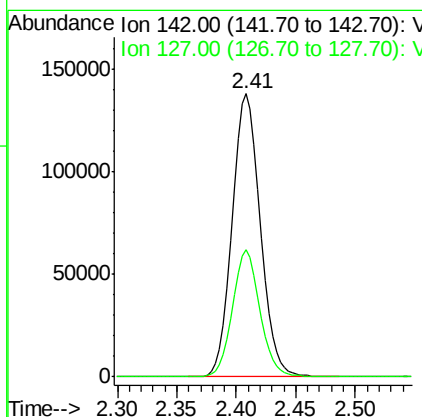
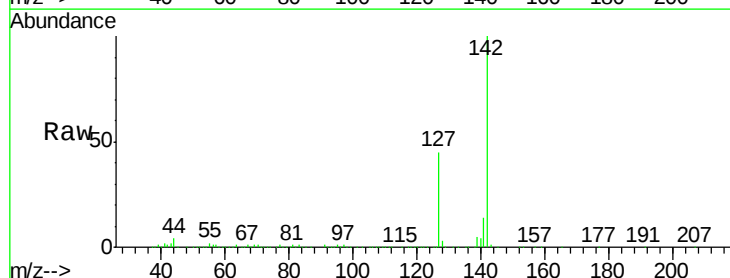
RT: 2.41 min Scan# 410

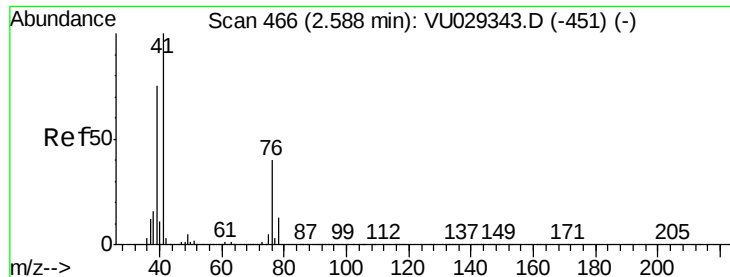
Delta R.T. 0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Tgt Ion:	142	Resp:	227034
Ion Ratio	Lower	Upper	
142	100		
127	43.4	47.6	71.4#





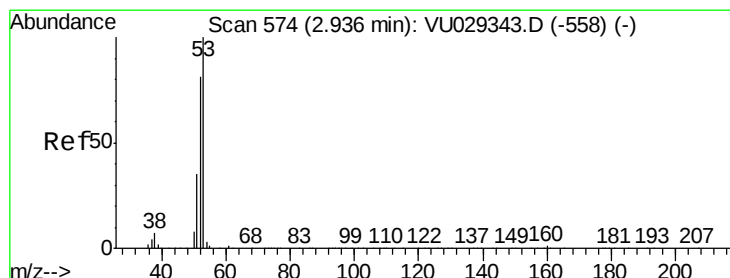
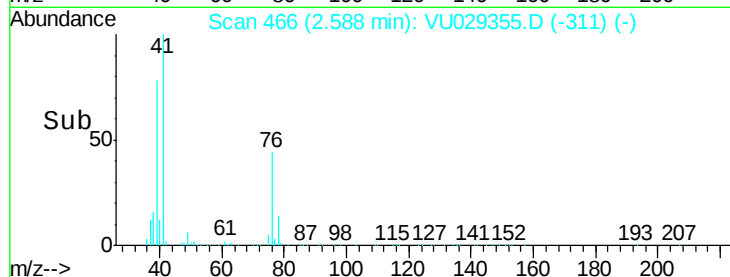
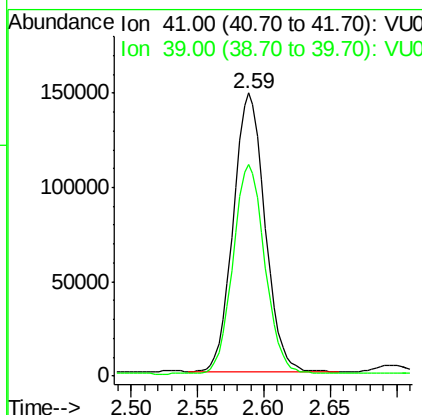
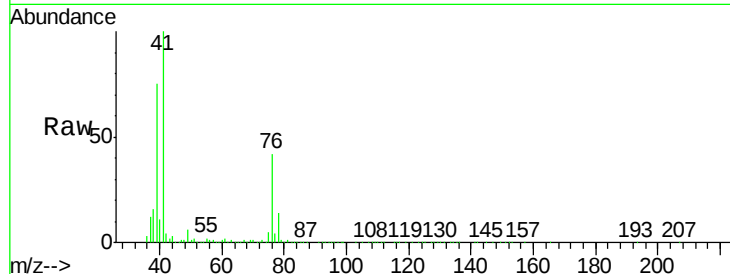
#11
Allvl Chloride
Concen: 9.397 ug/l
RT: 2.59 min Scan# 466
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampled :
VSTD01051

Tot Ion	41	Resp	243822
Ion Ratio	100	Lower	Upper
39	76.5	67.2	100.8

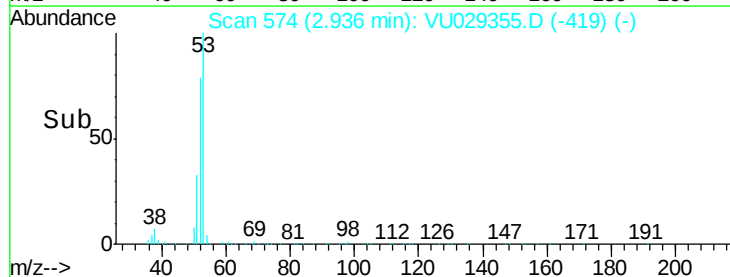
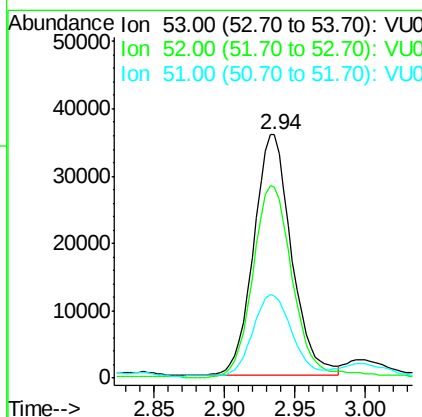
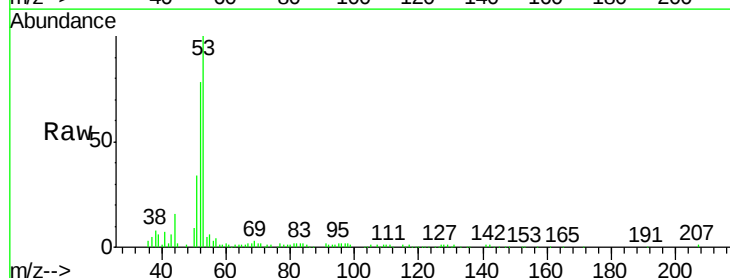
Manual Integrations
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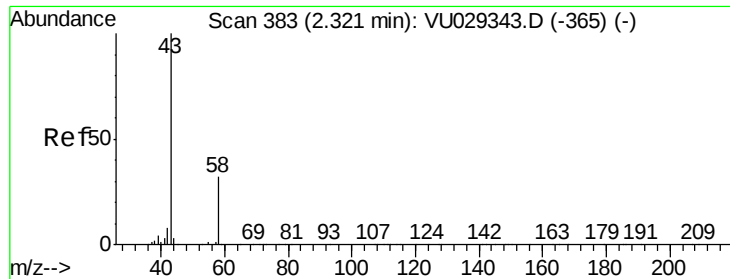
sam
2/8/2019 2:27:16 PM



#12
Acrylonitrile
Concen: 19.491 ug/l
RT: 2.94 min Scan# 574
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion	53	Resp	67591
Ion Ratio	100	Lower	Upper
52	83.6	67.6	101.4
51	34.3	31.0	46.4





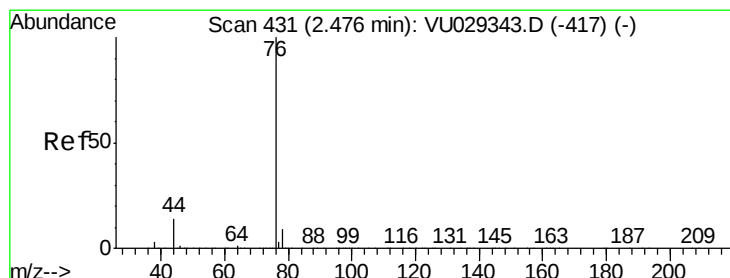
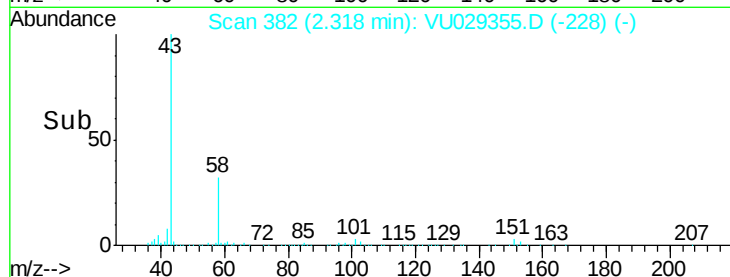
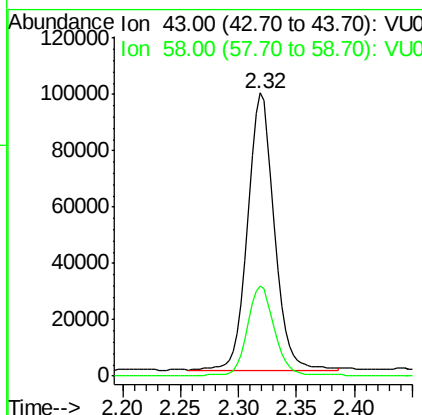
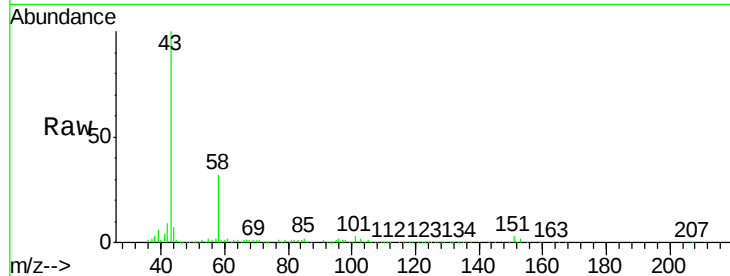
#13
Acetone
Concen: 47.272 ug/l
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tot Ion: 43 Resp: 157990
Ion Ratio Lower Upper
43 100
58 32.3 19.2 28.8#

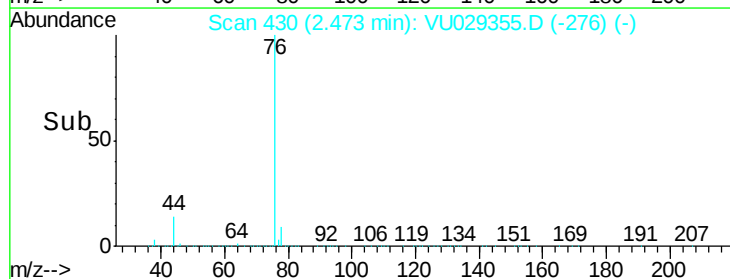
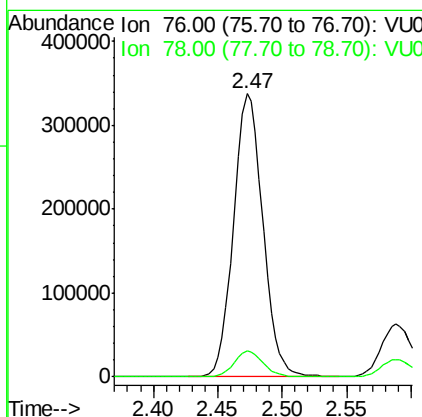
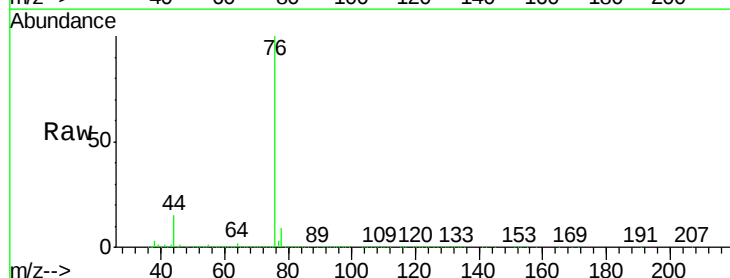
Manual Integrations
APPROVED

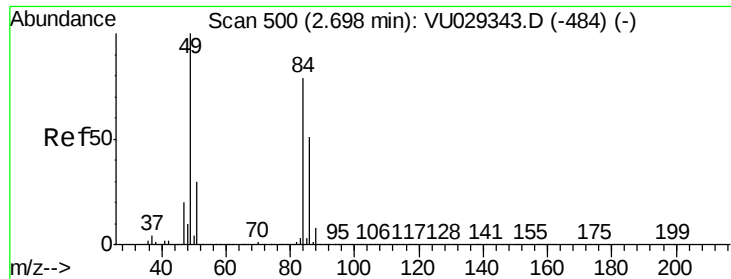
sam
2/8/2019 2:27:16 PM



#14
Carbon Disulfide
Concen: 9.777 ug/l
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion: 76 Resp: 534113
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7





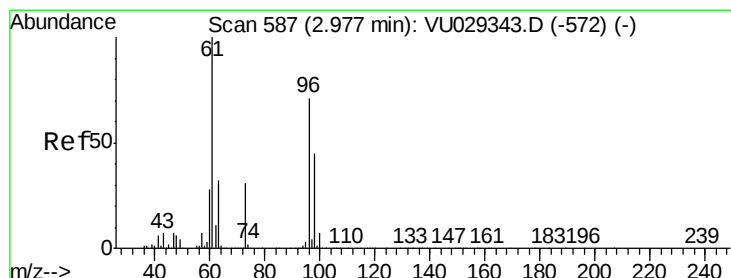
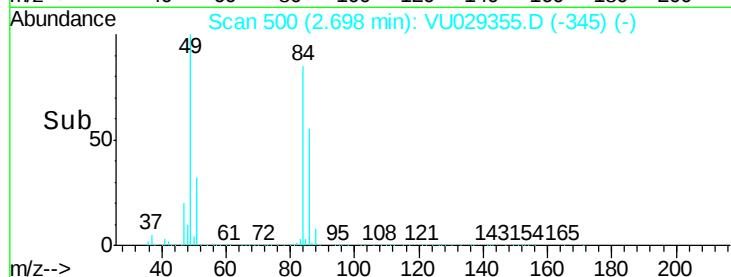
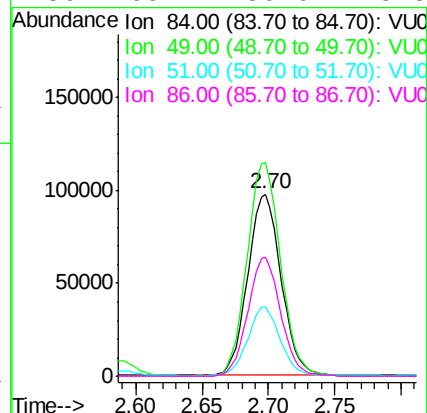
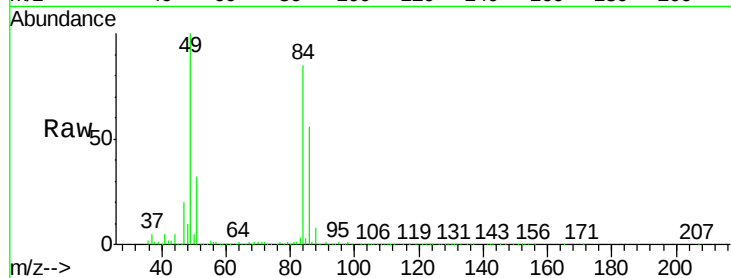
#15
Methvlene Chloride
Concen: 9.073 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tot Ion	Ratio	Lower	Upper
84	100		
49	117.8	127.0	190.6#
51	37.7	0.0	93.4
86	65.4	50.6	75.8

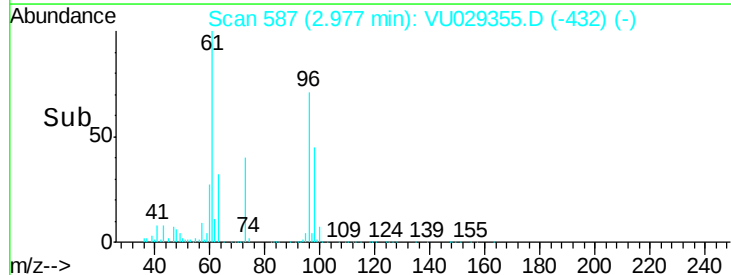
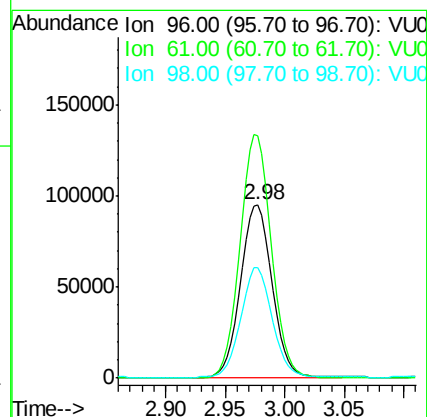
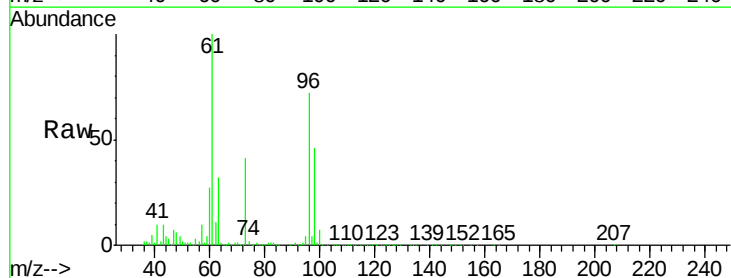
Manual Integrations
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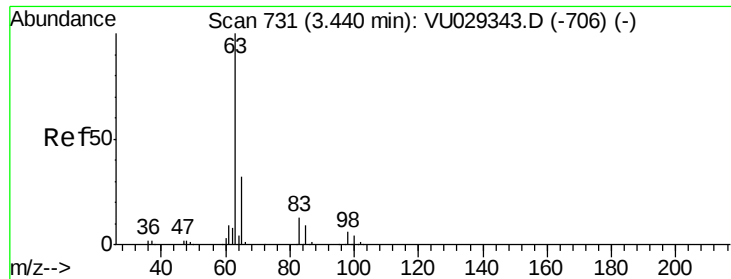
sam
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#16
trans-1,2-Dichloroethene
Concen: 10.037 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.4	140.6	210.8#
98	63.7	49.3	73.9





#17

1,1-Dichloroethane

Concen: 9.329 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

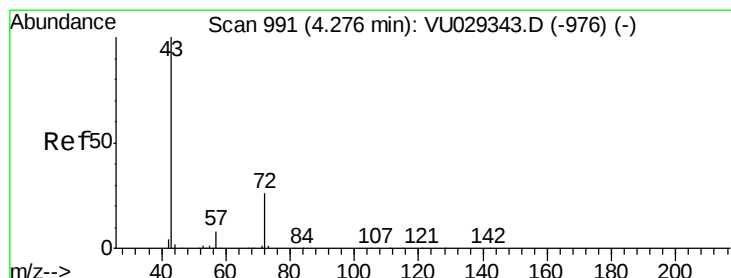
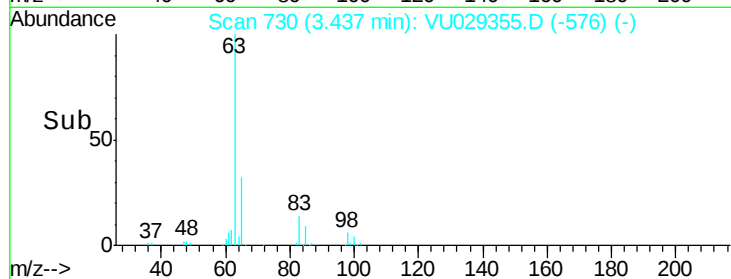
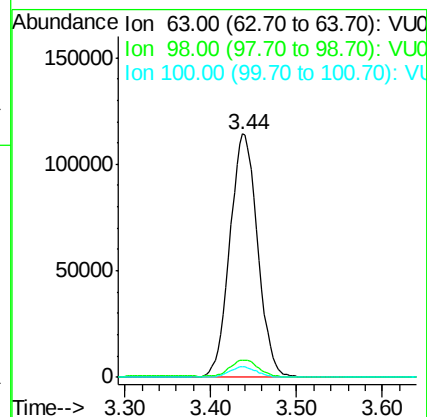
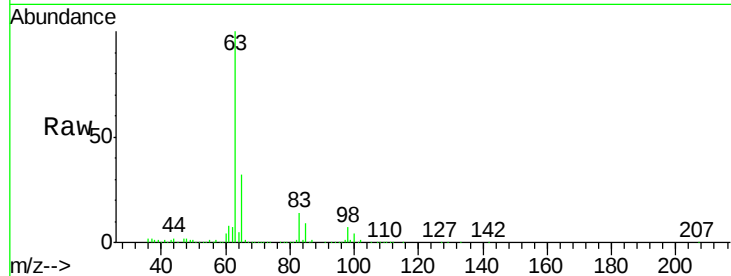
ClientSampleId :

VSTD01051

Tot Ion	Ratio	Resp	Lower	Upper
63	100	255804		
98	6.9		2.9	8.8
100	4.5		1.7	5.1

Manual Integrations
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#18

2-Butanone

Concen: 50.188 ug/l

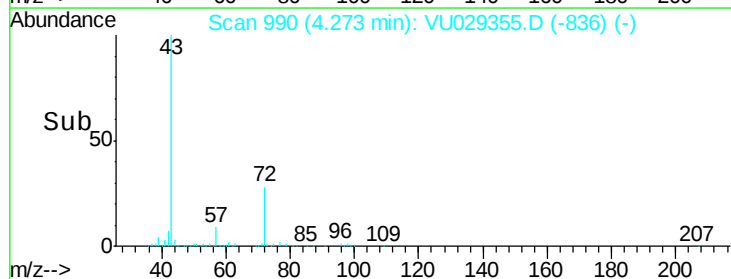
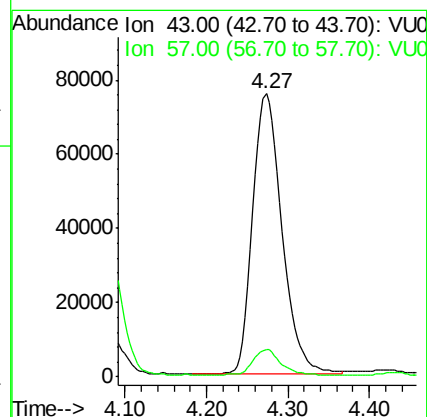
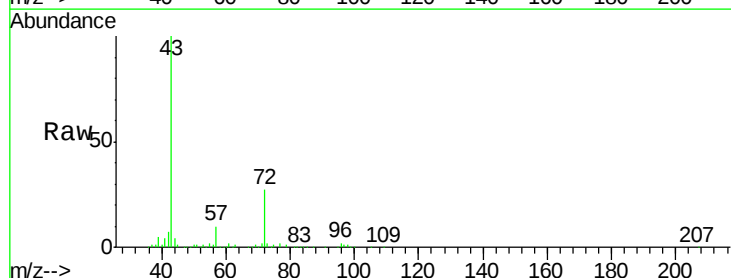
RT: 4.27 min Scan# 990

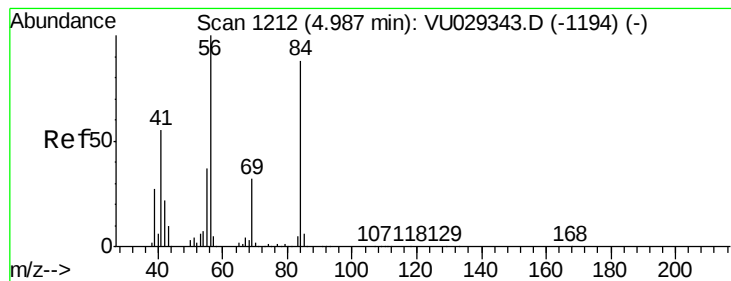
Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	187475		
57	9.3		0.0	15.8





#19

Cyclohexane

Concen: 8.868 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

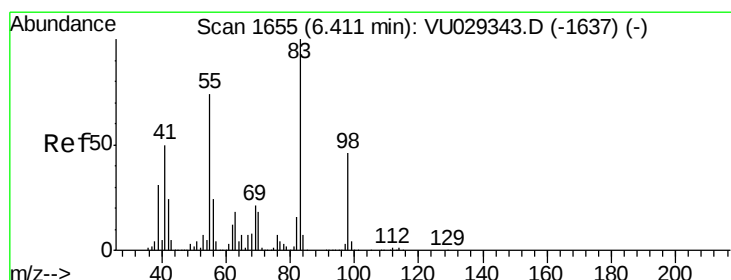
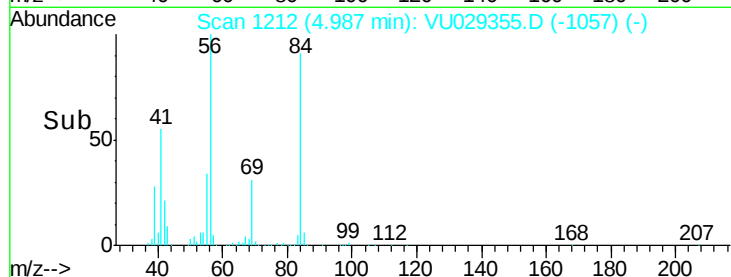
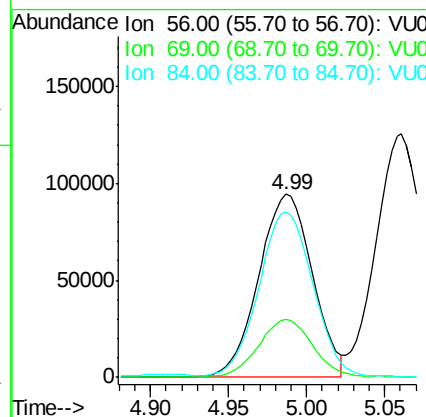
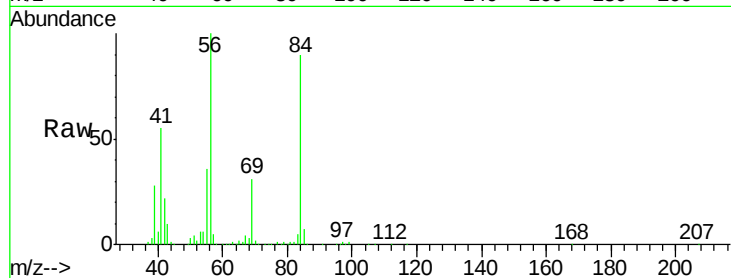
ClientSampleId :

VSTD01051

Tot Ion:	56	Resp:	225441
Ion Ratio	Lower	Upper	
56	100		
69	31.0	26.8	40.2
84	89.3	71.5	107.3

Manual Integrations
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#20

Methylcyclohexane

Concen: 9.921 ug/l

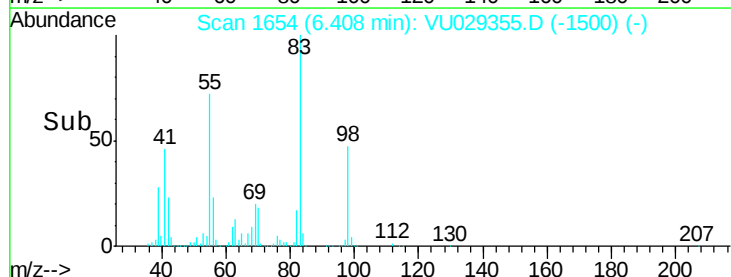
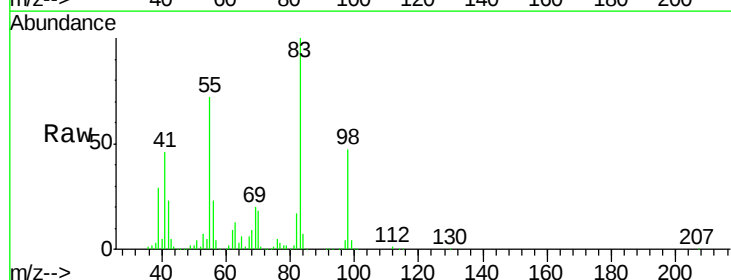
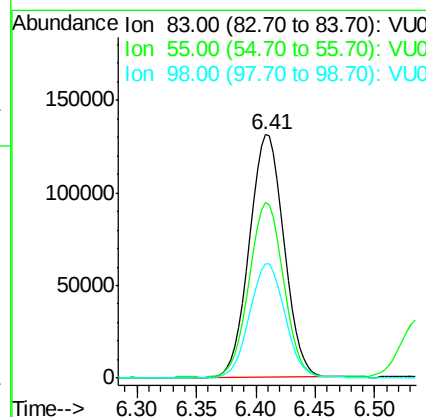
RT: 6.41 min Scan# 1654

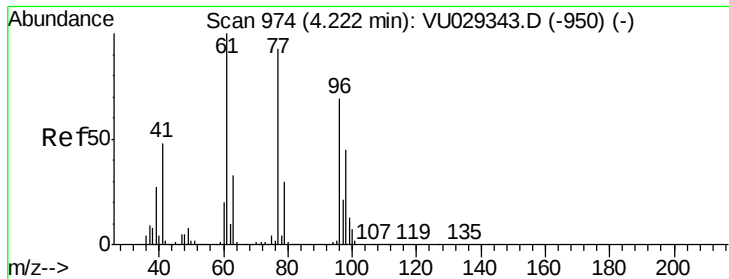
Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Tgt Ion:	83	Resp:	264898
Ion Ratio	Lower	Upper	
83	100		
55	70.8	72.4	108.6#
98	47.3	36.6	54.8





#21

2,2-Dichloropropane

Concen: 9.732 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampled :

VSTD01051

Tot Ion: 77 Resp: 247003

Ion Ratio Lower Upper

77 100

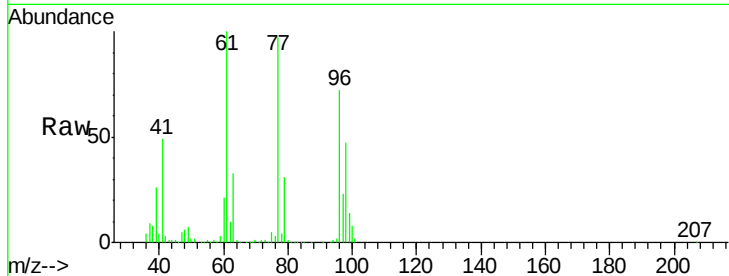
97 22.8 15.6 23.4

Manual Integrations

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sam

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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

4.22

100000

80000

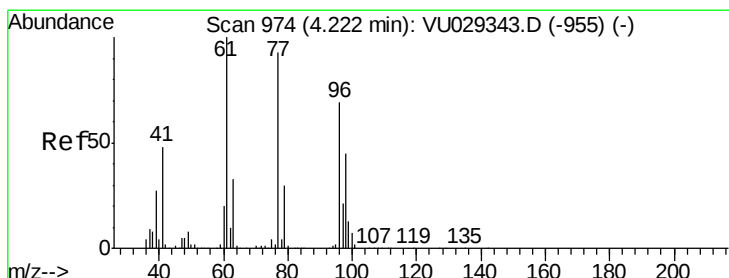
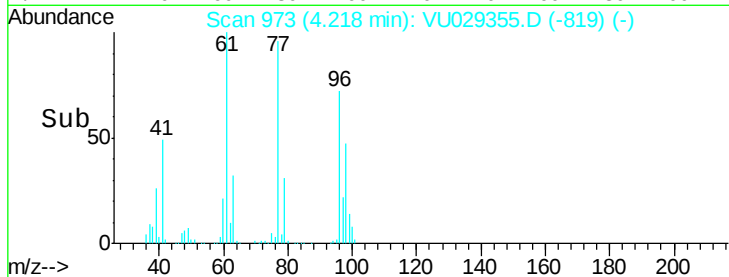
60000

40000

20000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 10.096 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

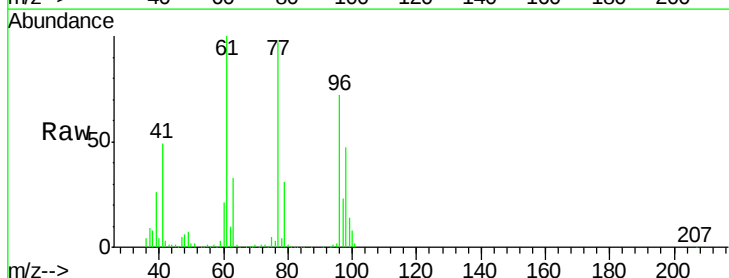
Tgt Ion: 96 Resp: 164556

Ion Ratio Lower Upper

96 100

61 142.1 0.0 460.0

98 64.6 32.6 97.7



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

120000

100000

80000

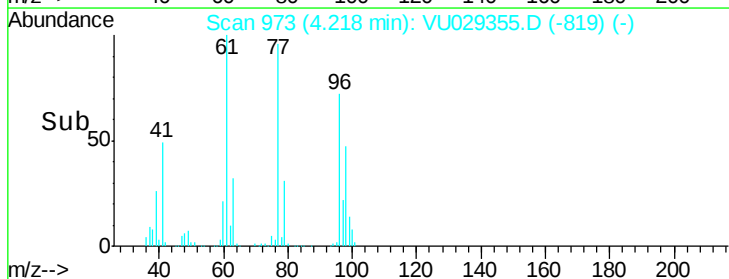
60000

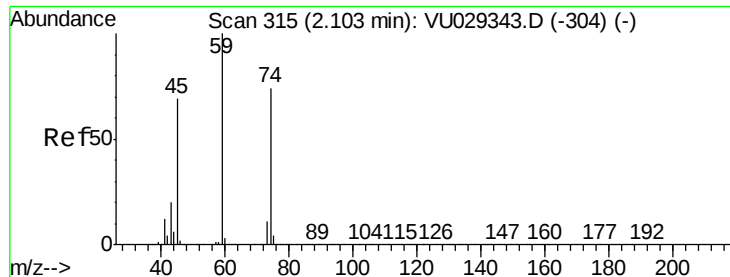
40000

20000

0

Time-->





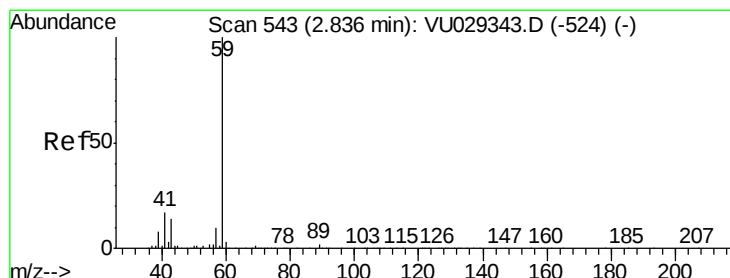
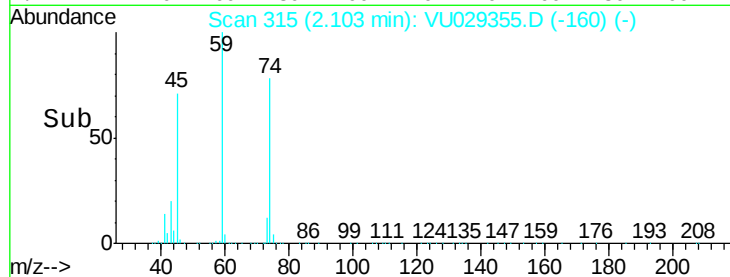
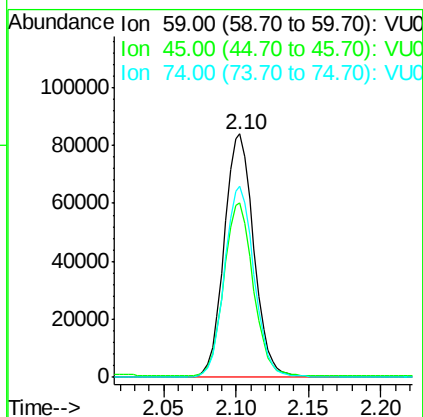
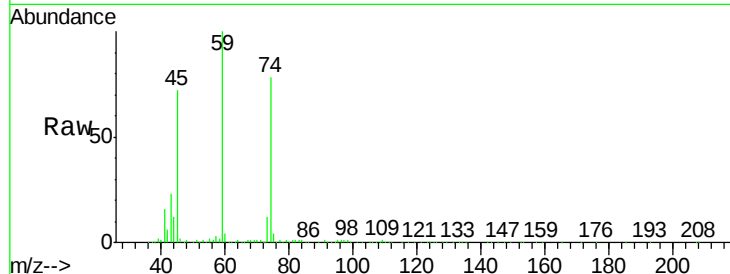
#23
Diethyl Ether
Concen: 9.548 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tot Ion	Ratio	Lower	Upper
59	100		
45	70.3	64.2	96.4
74	78.4	55.3	82.9

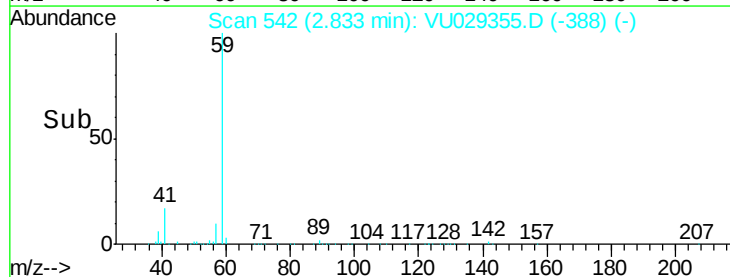
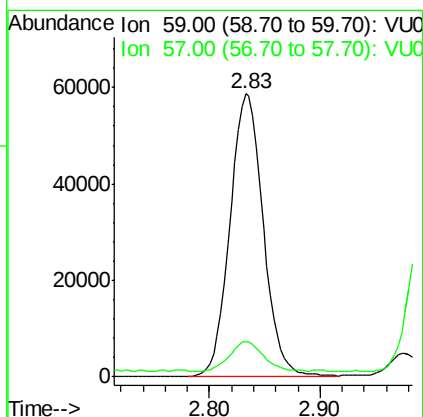
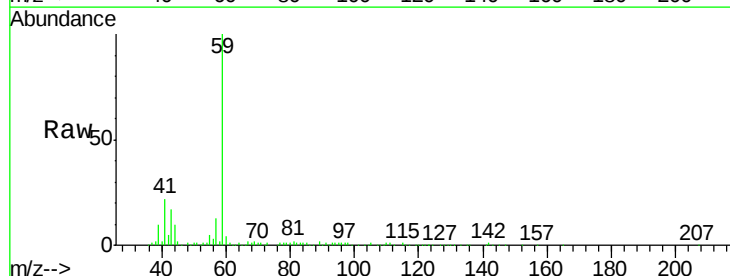
Manual Integrations
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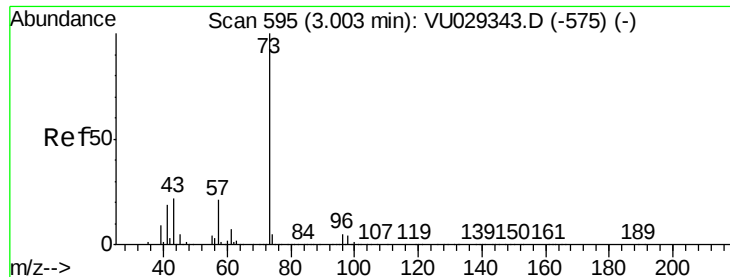
sam
2/8/2019 2:27:16 PM



#24
tert-Butyl Alcohol
Concen: 94.586 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.8	13.2





#25

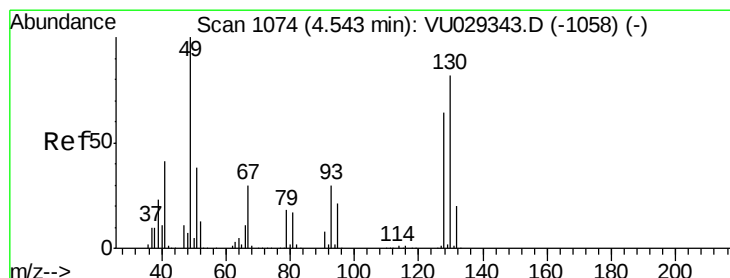
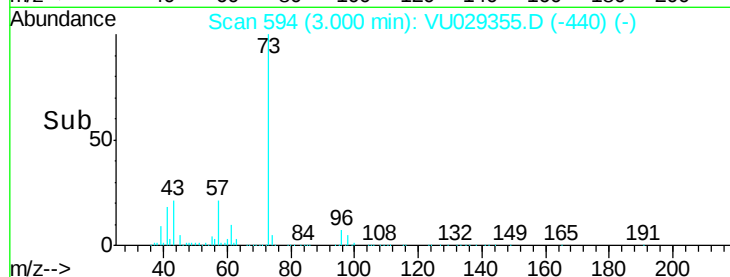
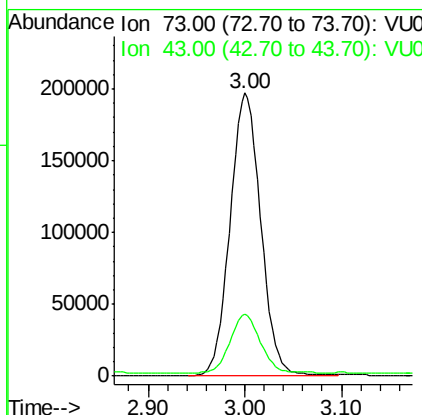
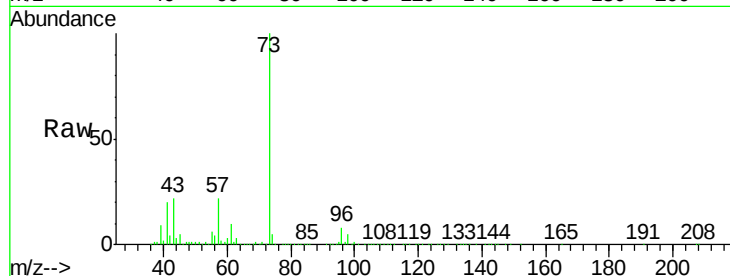
Methyl tert-Butyl Ether
 Concen: 9.908 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Tot Ion	73	Resp	431637
Ion Ratio	Lower	Upper	
73	100		
43	20.3	22.1	33.1#

Manual Integrations
 APPROVED

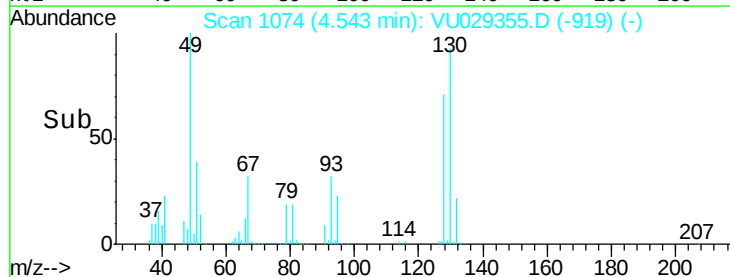
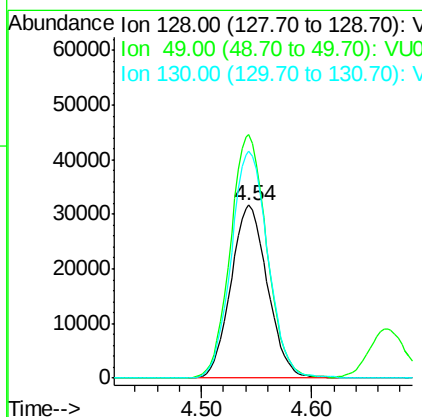
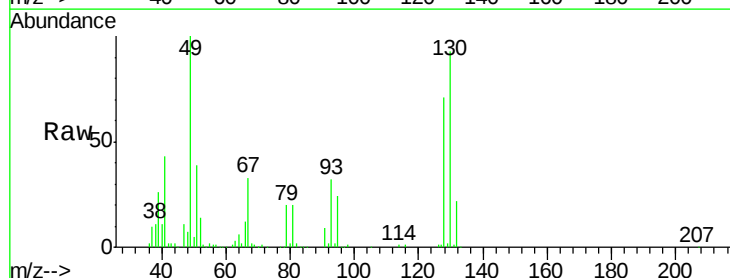
sam
 2/8/2019 2:27:16 PM

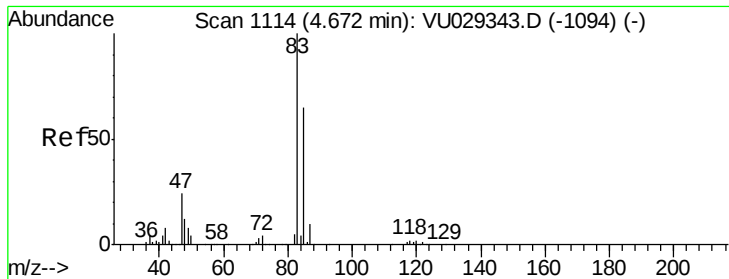


#26

Bromochloromethane
 Concen: 10.113 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Tgt Ion	128	Resp	72814
Ion Ratio	Lower	Upper	
128	100		
49	140.0	0.0	401.6
130	131.7	108.0	162.0





#27

Chloroform

Concen: 9.918 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampled :

VSTD01051

Tot Ion: 83 Resp: 264459

Ion Ratio Lower Upper

83 100

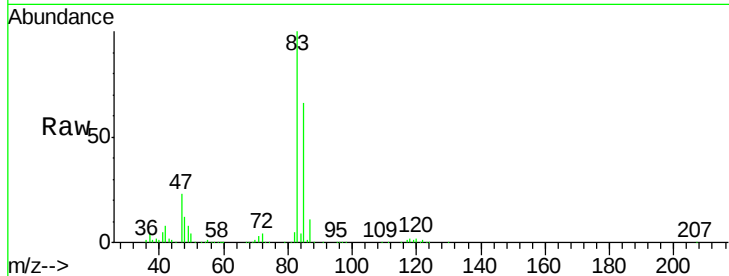
85 65.6 0.0 126.6

Manual Integrations

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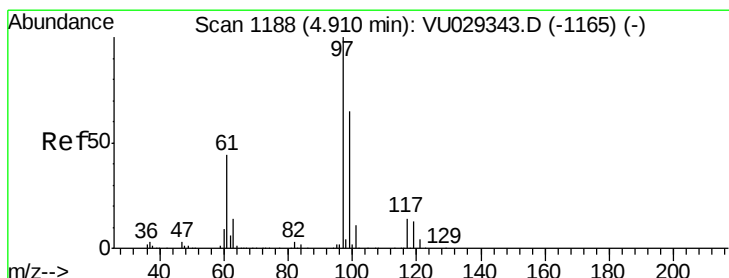
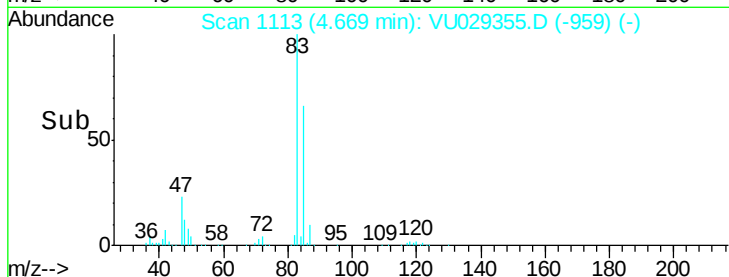
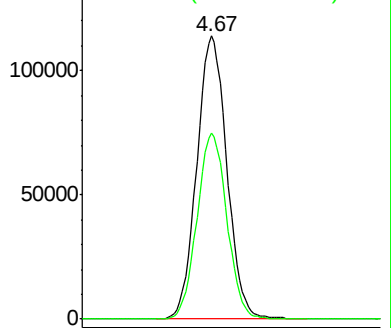
sam

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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 9.946 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

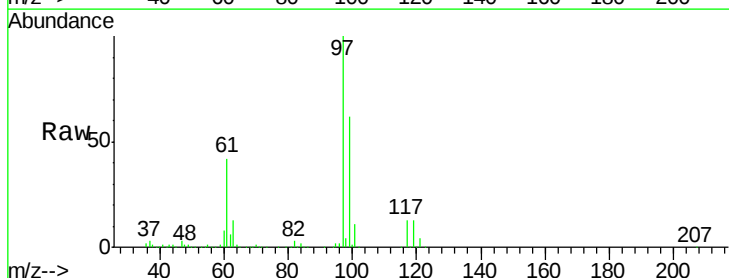
Tgt Ion: 97 Resp: 245817

Ion Ratio Lower Upper

97 100

99 64.3 32.4 97.2

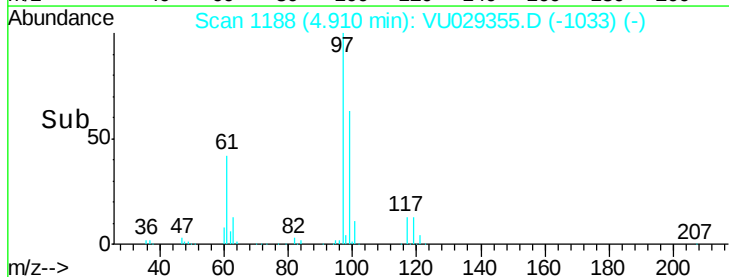
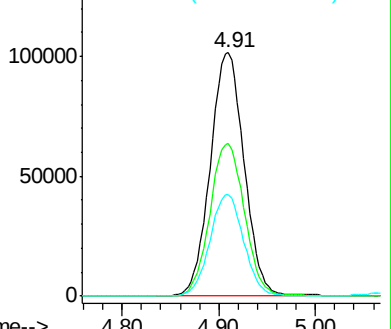
61 42.0 24.4 73.2

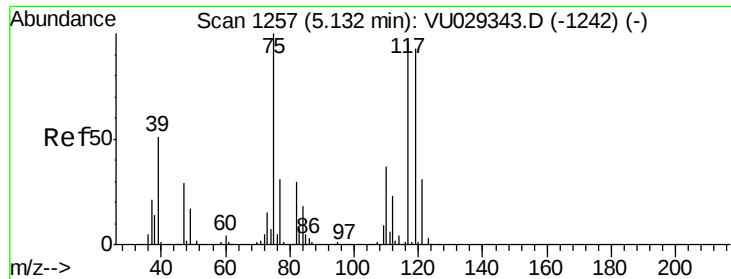


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29

1,1-Dichloropropene

Concen: 9.656 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

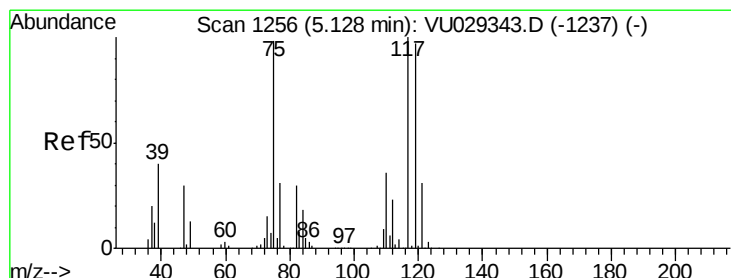
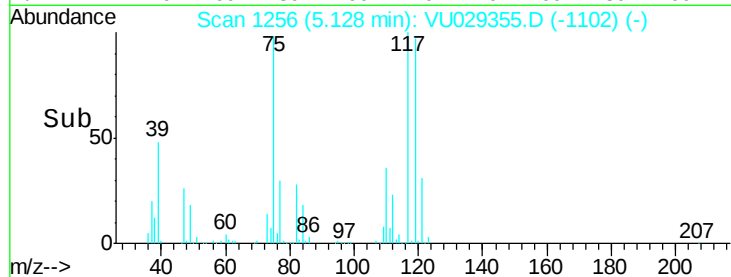
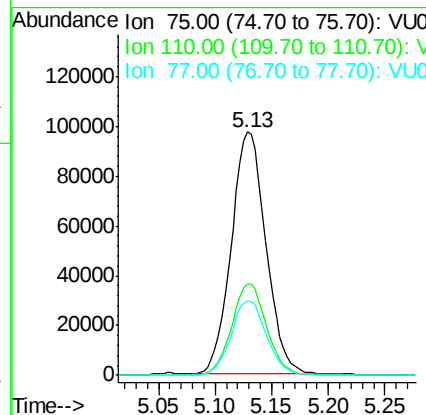
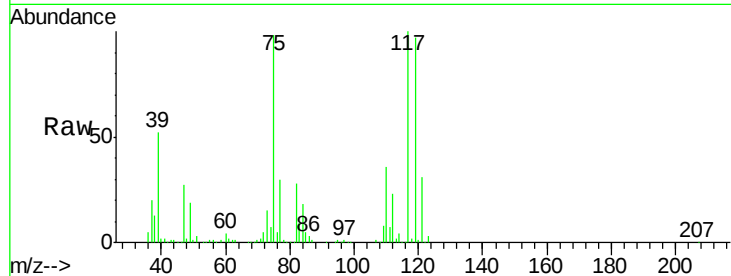
ClientSampleId :

VSTD01051

Tot Ion:	75	Resp:	207168
Ion Ratio	Lower	Upper	
75	100		
110	38.3	15.4	46.2
77	30.9	24.1	36.1

Manual Integrations
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sam
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#30

Carbon Tetrachloride

Concen: 10.282 ug/l

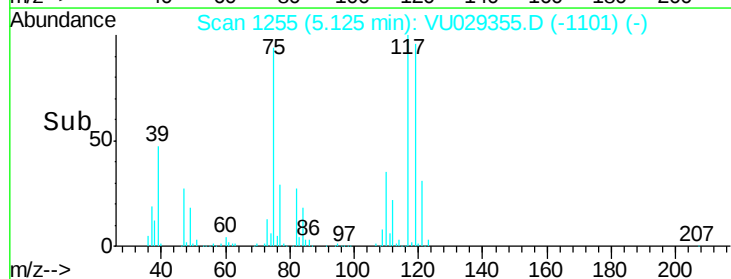
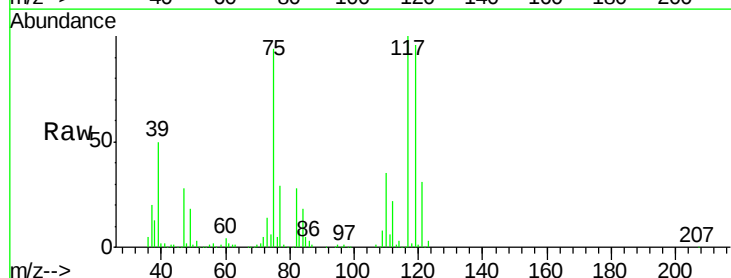
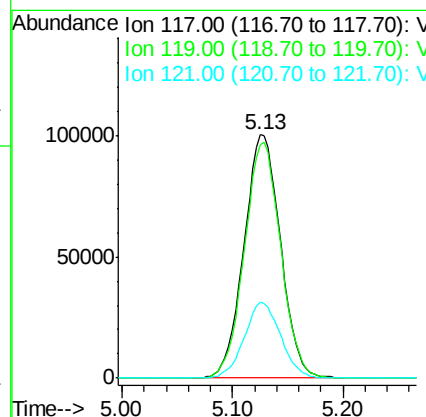
RT: 5.13 min Scan# 1255

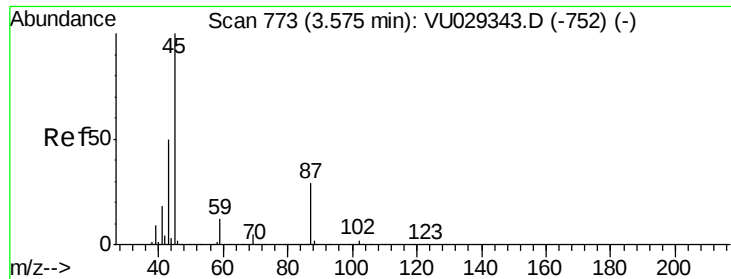
Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Tgt Ion:	117	Resp:	230062
Ion Ratio	Lower	Upper	
117	100		
119	96.0	76.8	115.2
121	30.9	24.4	36.6





#31

Isopropyl Ether

Concen: 9.441 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

Tot Ion: 45 Resp: 390605

Ion Ratio Lower Upper

45 100

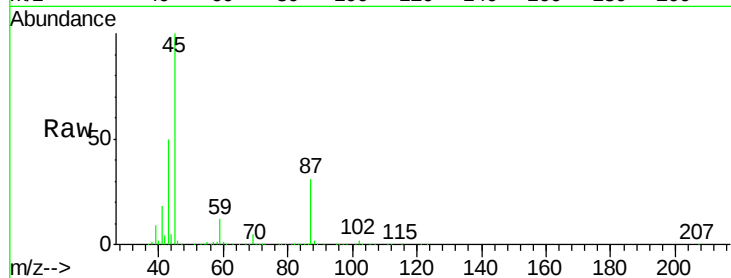
43 49.6 28.4 85.3

Manual Integrations

APPROVED

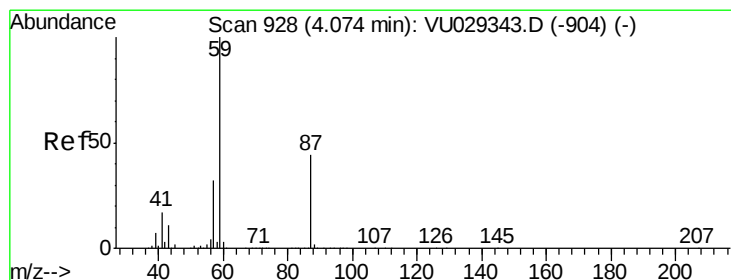
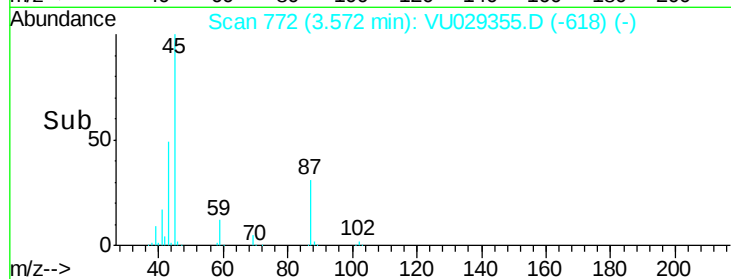
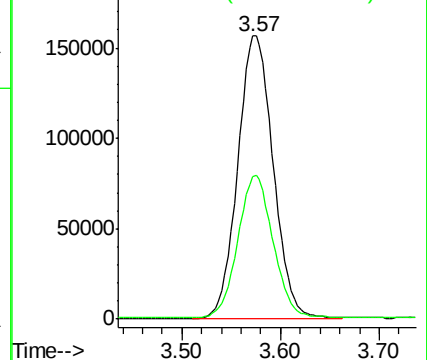
sam

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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 9.510 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029355.D

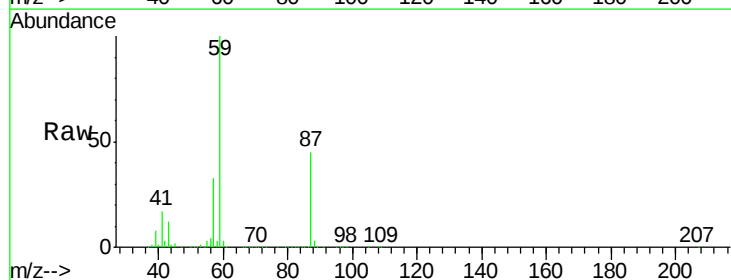
Acq: 06 Feb 2019 10:08

Tgt Ion: 59 Resp: 394271

Ion Ratio Lower Upper

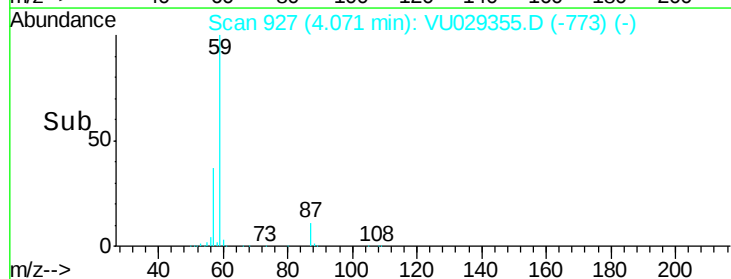
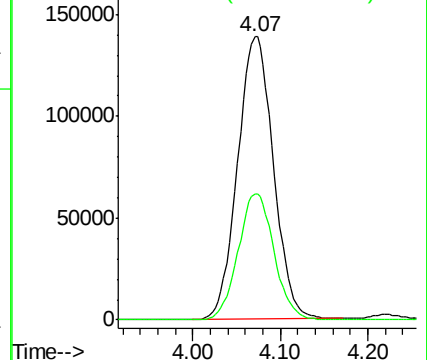
59 100

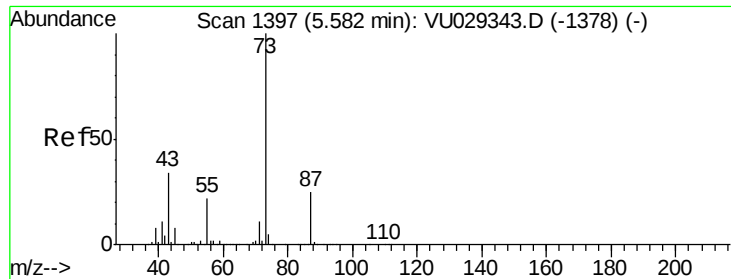
87 44.3 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





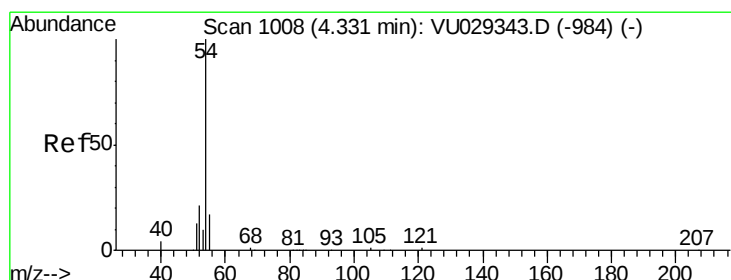
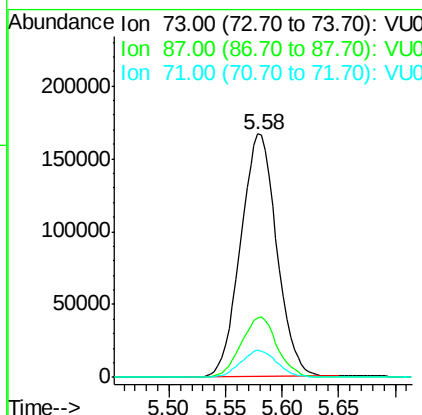
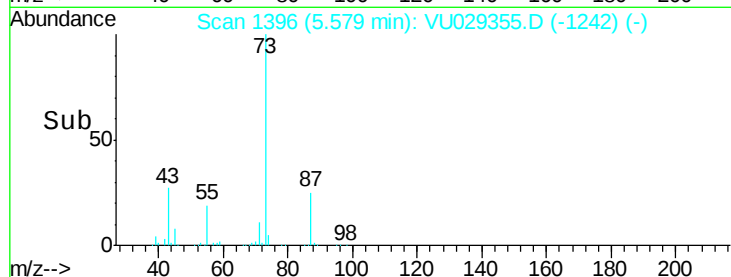
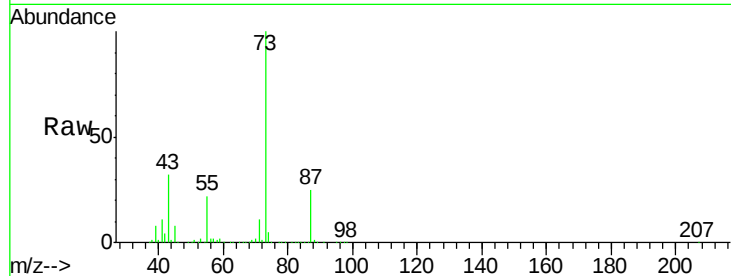
#33
Tert-Amvl methvl ether
Concen: 9.820 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.8	19.4	29.0
71	11.1	9.0	13.4

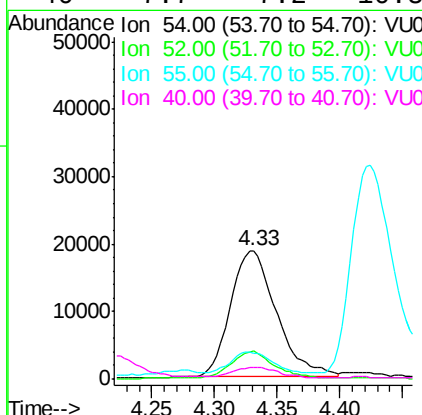
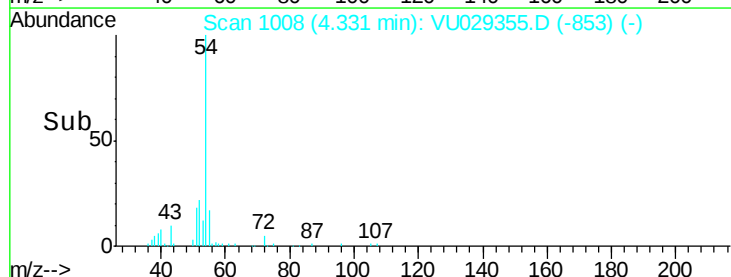
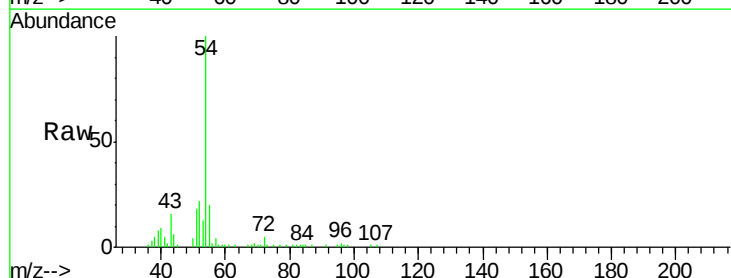
Manual Integrations
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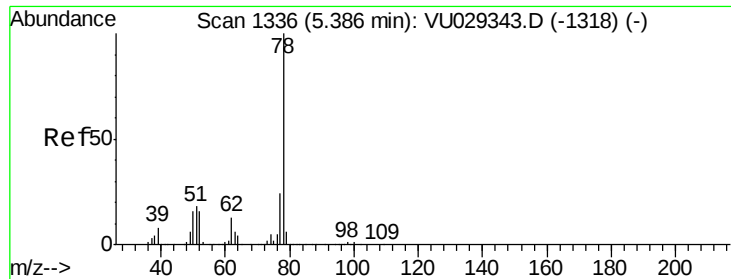
sam
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#34
Propionitrile
Concen: 48.591 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.3	18.9	28.3
55	15.1	15.1	22.7#
40	7.7	7.2	10.8





#35

Benzene

Concen: 9.760 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

Tot Ion: 78 Resp: 579071

Ion Ratio Lower Upper

78 100

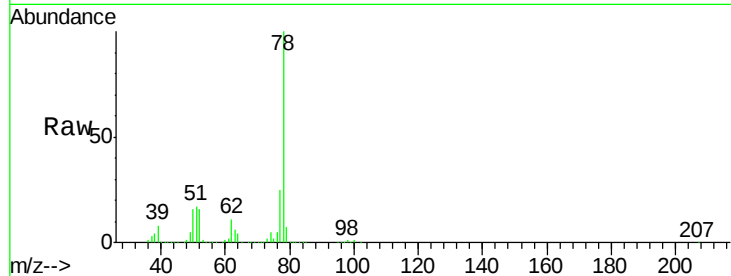
77 24.9 19.8 29.8

Manual Integrations

APPROVED

sam

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.38

300000

250000

200000

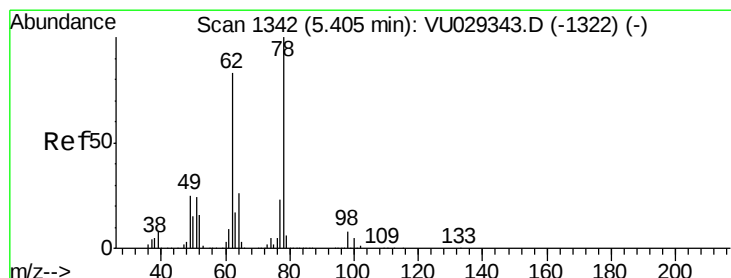
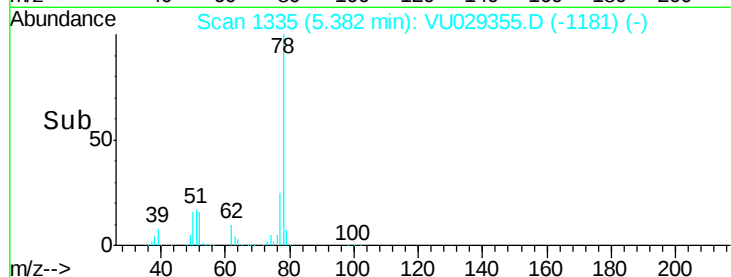
150000

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 9.644 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029355.D

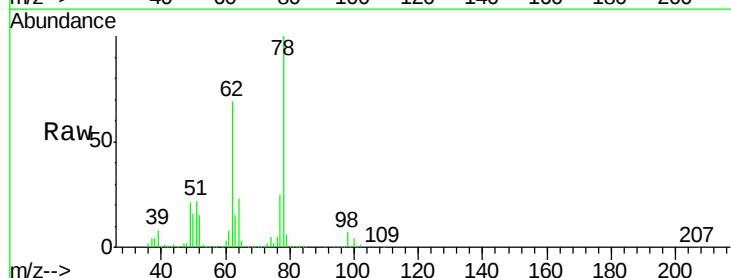
Acq: 06 Feb 2019 10:08

Tgt Ion: 62 Resp: 173064

Ion Ratio Lower Upper

62 100

98 8.9 4.9 7.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.40

80000

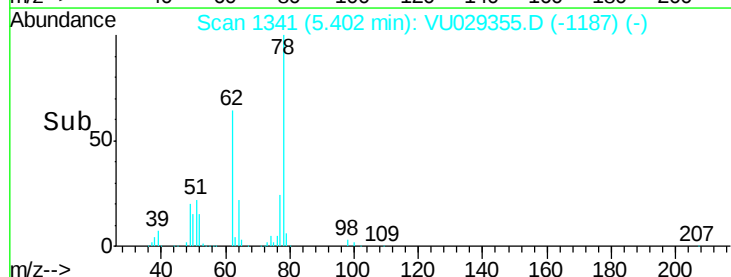
60000

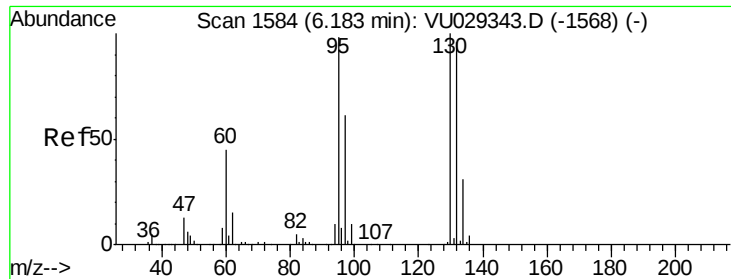
40000

20000

0

Time-->





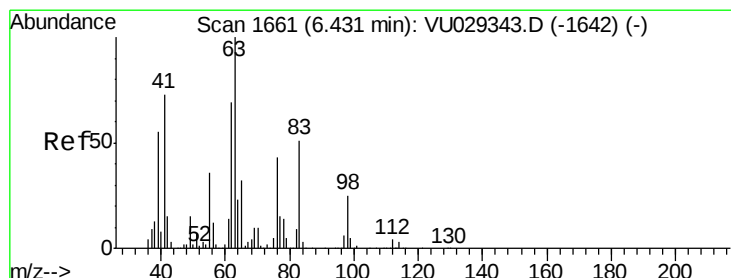
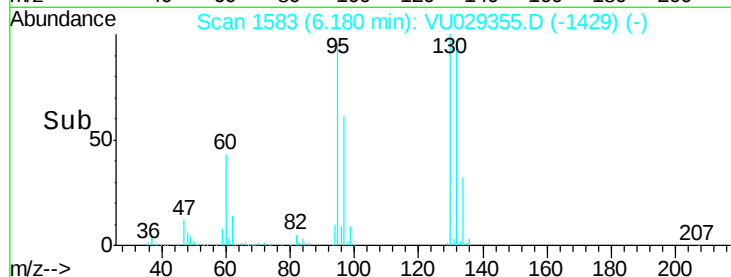
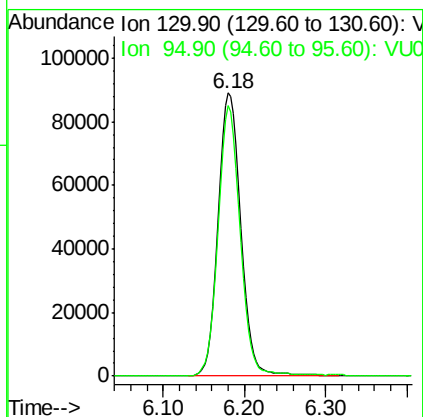
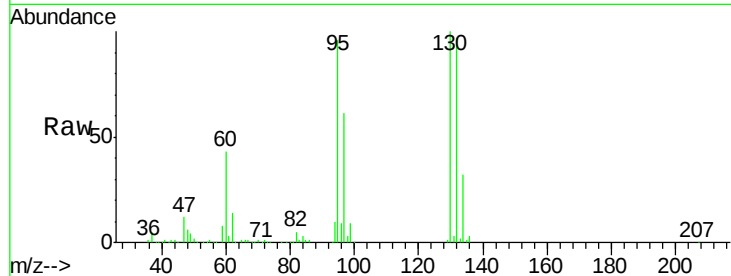
#37
 Trichloroethene
 Concen: 10.396 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Tot Ion:130 Resp: 176998
 Ion Ratio Lower Upper
 130 100
 95 95.5 85.4 128.0

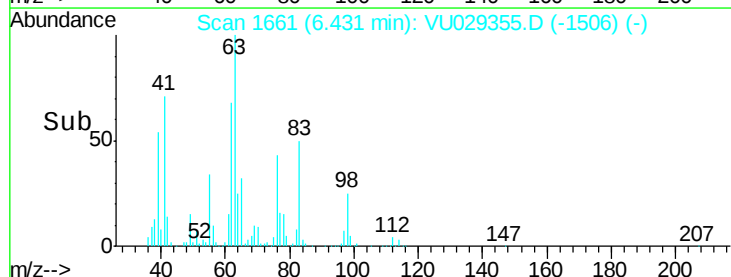
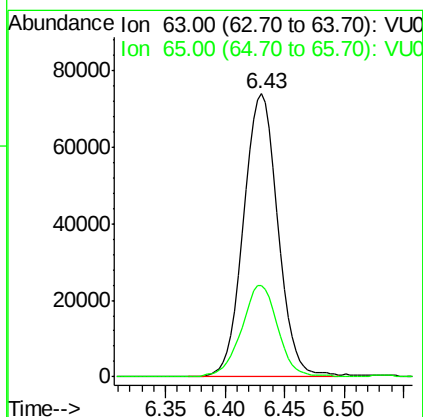
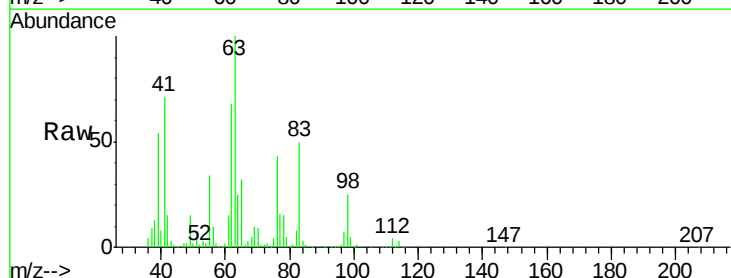
Manual Integrations
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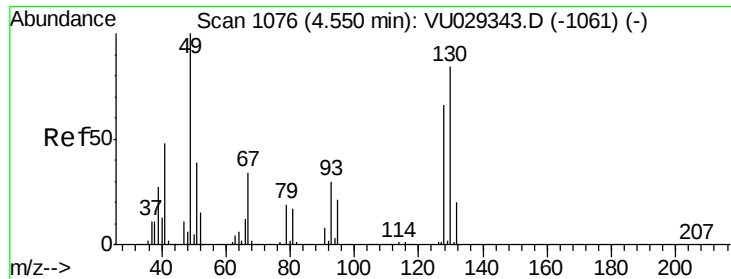
sam
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#38
 1,2-Dichloropropane
 Concen: 9.594 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Tgt Ion: 63 Resp: 148075
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.5 38.3





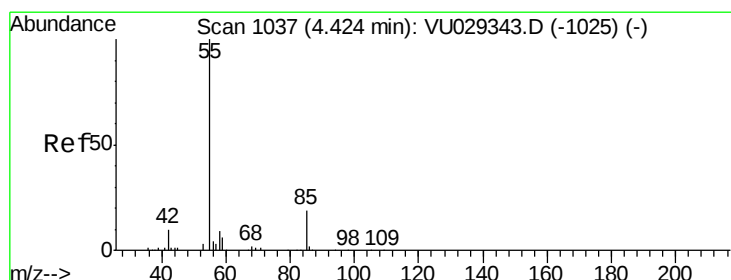
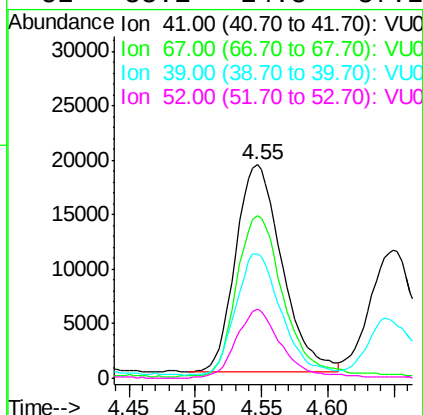
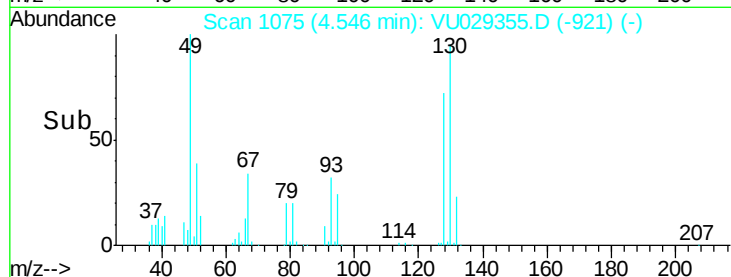
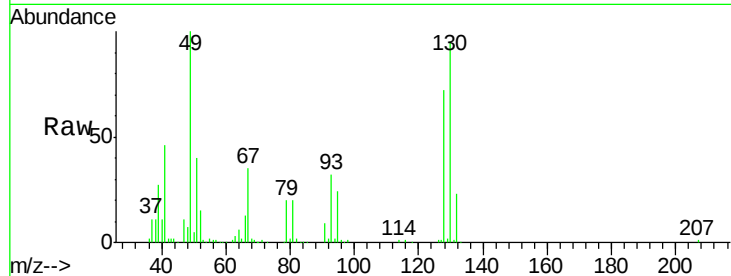
#39
Methacrylonitrile
Concen: 9.168 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tot Ion	Ratio	Lower	Upper
41	100		
67	77.7	50.1	75.1#
39	57.9	47.9	71.9
52	33.1	24.8	37.2

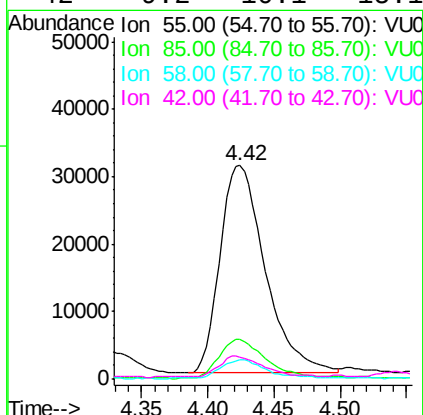
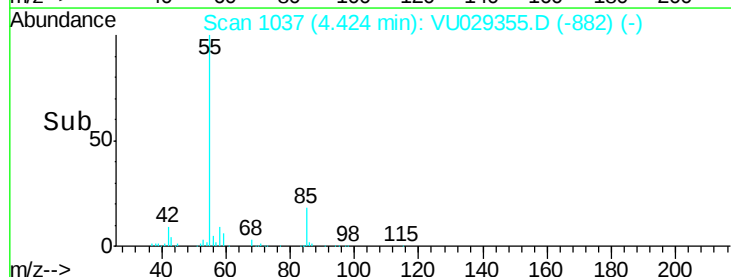
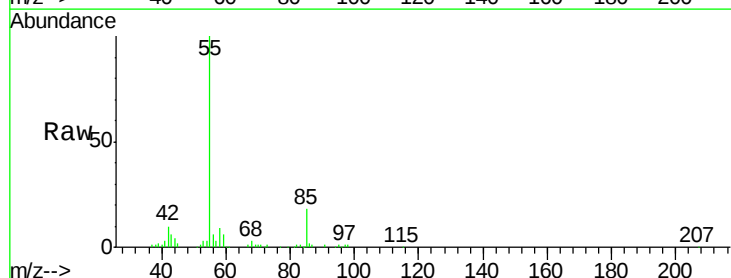
Manual Integrations
APPROVED

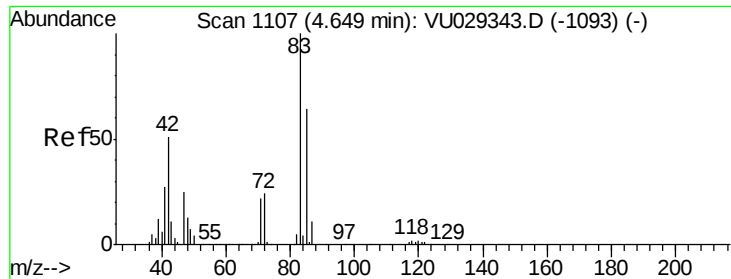
sam
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#40
Methyl acrylate
Concen: 9.631 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Lower	Upper
55	100		
85	20.6	11.3	16.9#
58	9.8	6.2	9.4#
42	9.2	10.1	15.1#





#41

Tetrahydrofuran

Concen: 17.974 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

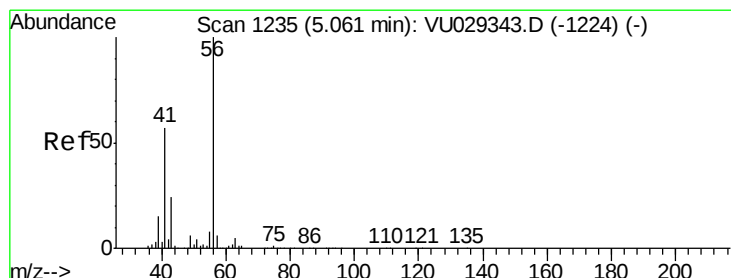
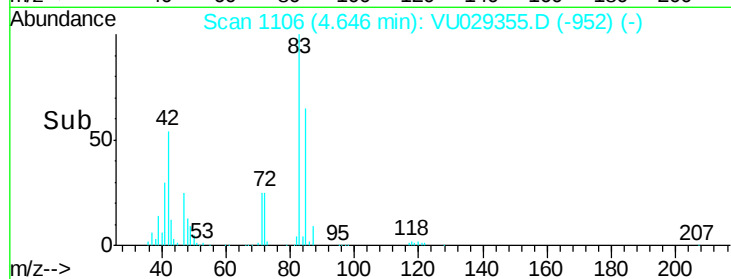
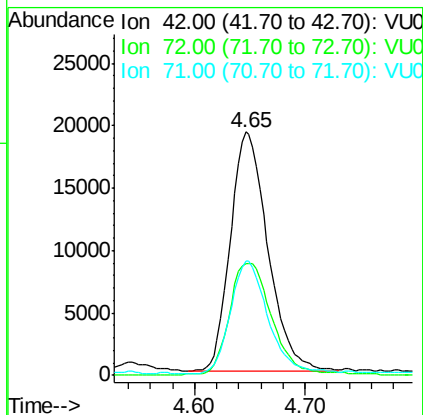
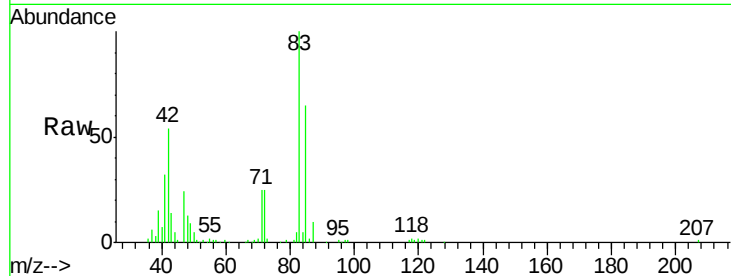
ClientSampleId :

VSTD01051

Tot Ion:	42	Resp:	45525
Ion Ratio	Lower	Upper	
42	100		
72	51.0	33.1	49.7#
71	46.8	30.2	45.2#

Manual Integrations
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sam
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#42

1-Chlorobutane

Concen: 9.434 ug/l

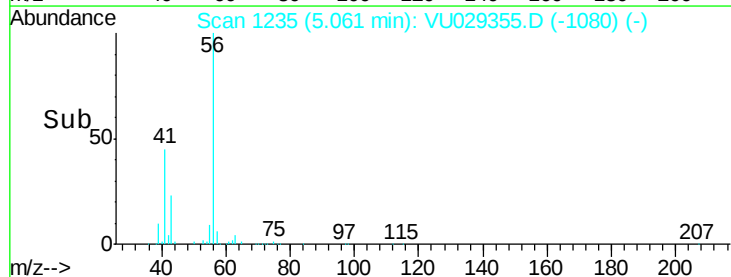
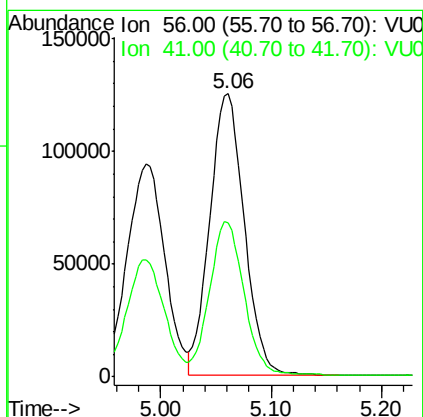
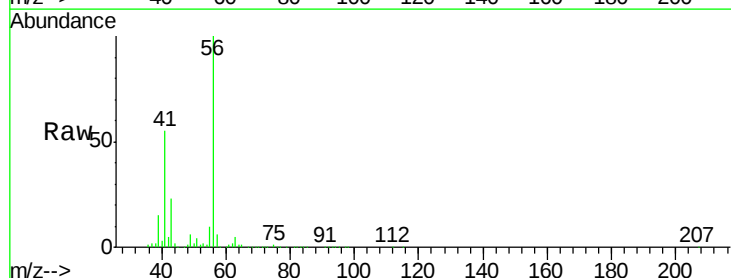
RT: 5.06 min Scan# 1235

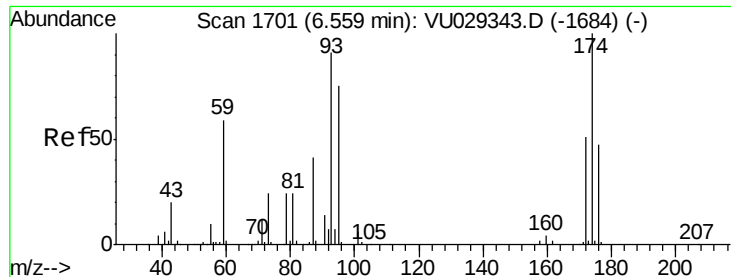
Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Tgt Ion:	56	Resp:	271194
Ion Ratio	Lower	Upper	
56	100		
41	54.4	31.3	93.8





#43

Dibromomethane

Concen: 9.697 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampleId :

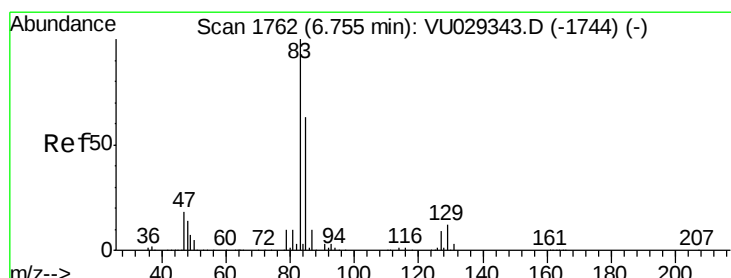
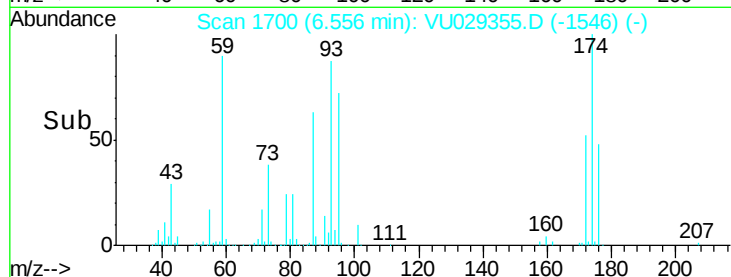
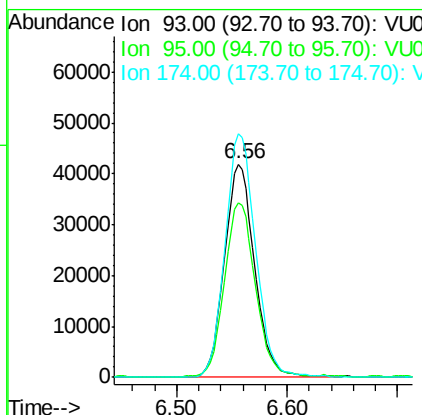
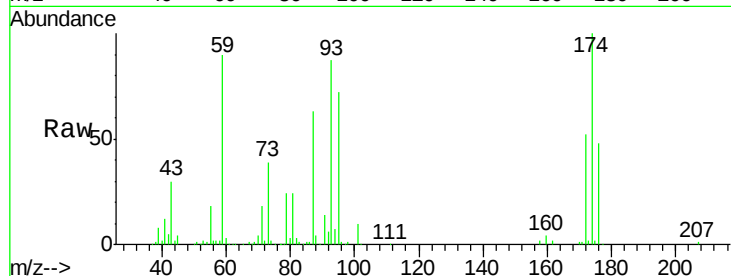
VSTD01051

Tot Ion: 93 Resp: 79761

Ion	Ratio	Lower	Upper
93	100		
95	82.2	68.2	102.2
174	115.2	77.6	116.4

Manual Integrations
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sam
2/8/2019 2:27:16 PM



#44

Bromodichloromethane

Concen: 9.726 ug/l

RT: 6.75 min Scan# 1761

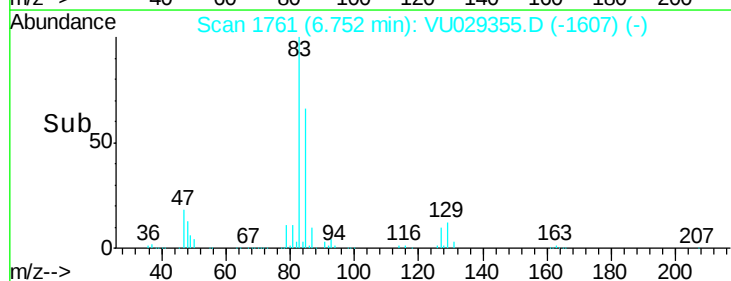
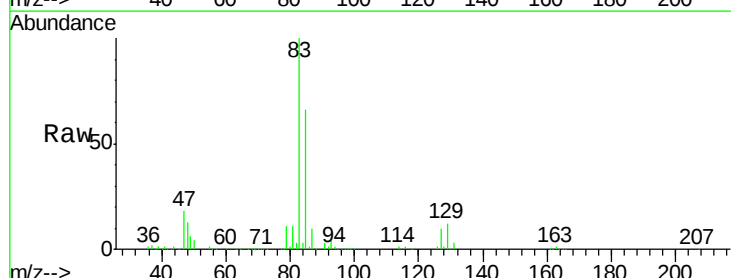
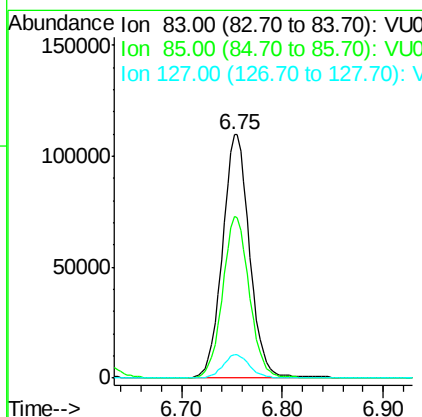
Delta R.T. -0.00 min

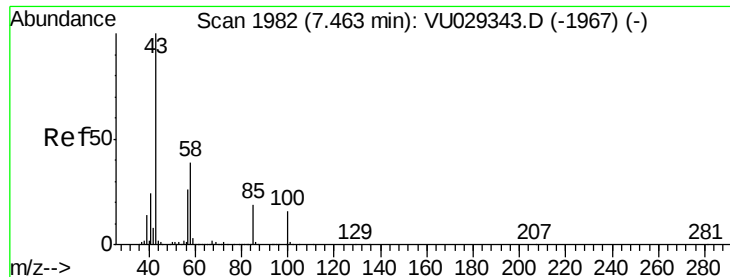
Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Tgt Ion: 83 Resp: 203827

Ion	Ratio	Lower	Upper
83	100		
85	66.1	49.2	73.8
127	9.6	7.0	10.6





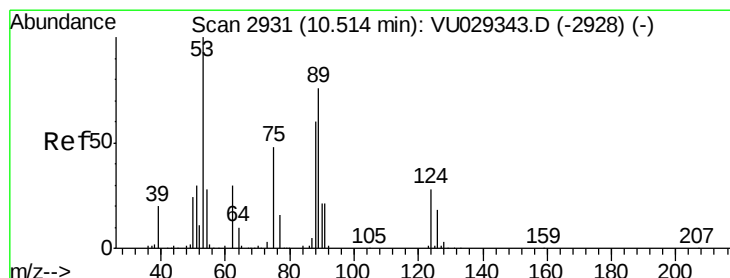
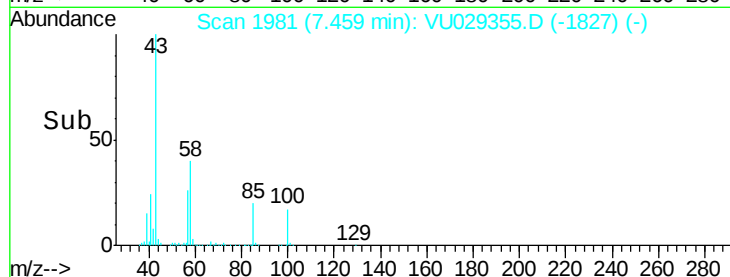
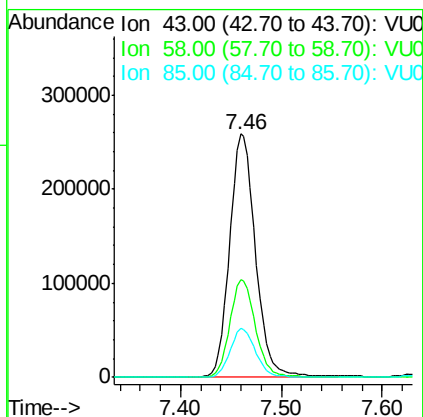
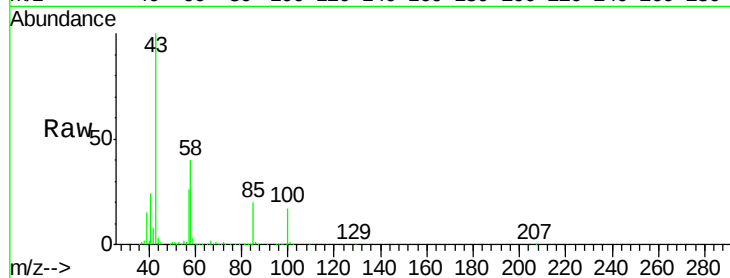
#45
4-Methyl-2-Pentanone
Concen: 47.706 ug/l
RT: 7.46 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	17.6	52.8
85	19.9	12.3	18.5

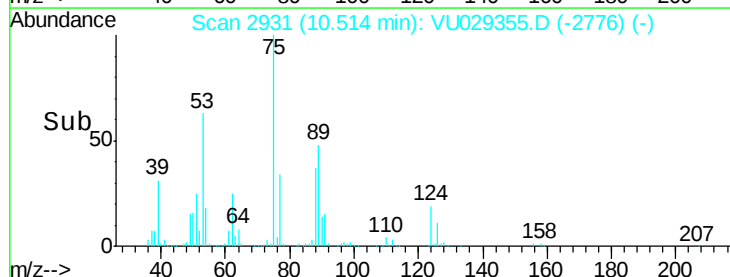
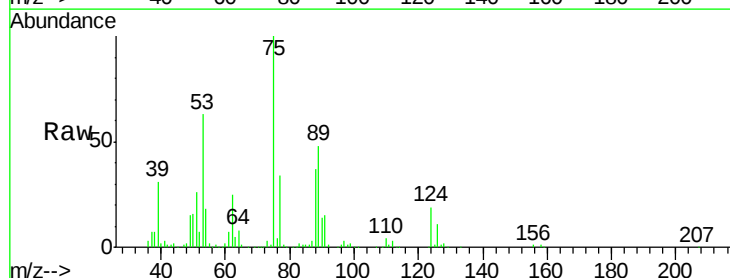
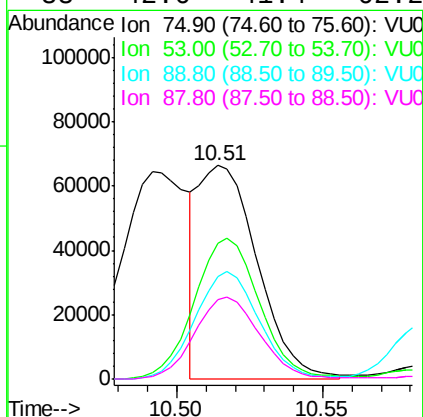
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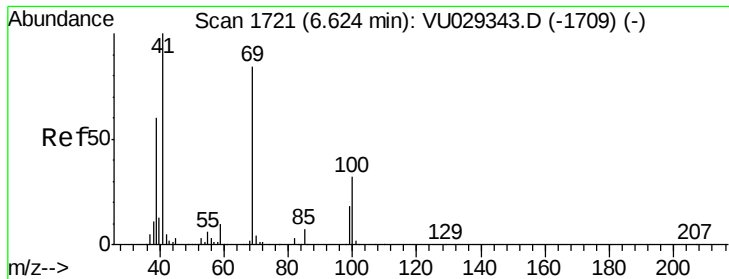
sam
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#46
t-1,4-Dichloro-2-butene
Concen: 19.832 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Lower	Upper
75	100		
53	73.6	78.2	117.4
89	55.1	44.2	66.4
88	42.6	41.4	62.2





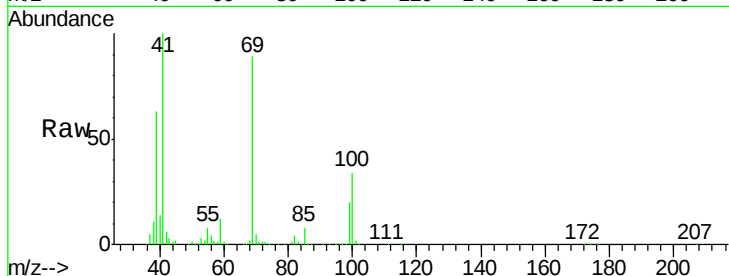
#47
Methyl methacrylate
Concen: 20.403 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	110.4	0.0	296.2		
39	67.9	71.2	106.8		
100	37.7	28.6	42.8		

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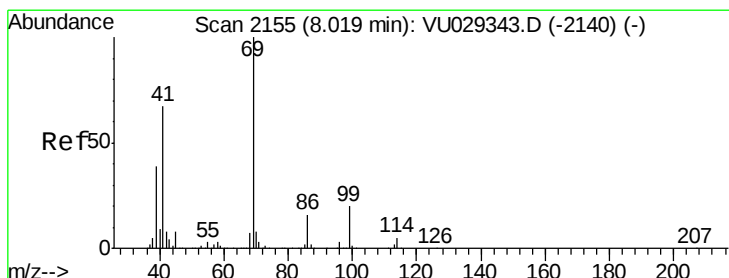
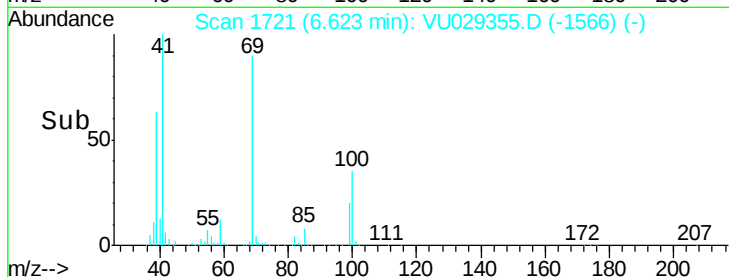
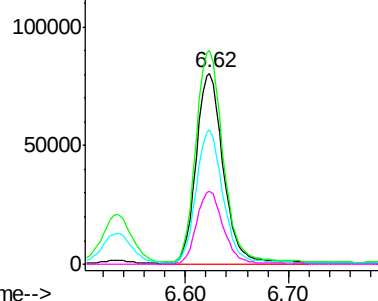


Abundance Ion 69.00 (68.70 to 69.70): VU029343.D (-1709) (-)

Ion 41.00 (40.70 to 41.70): VU029343.D (-1709) (-)

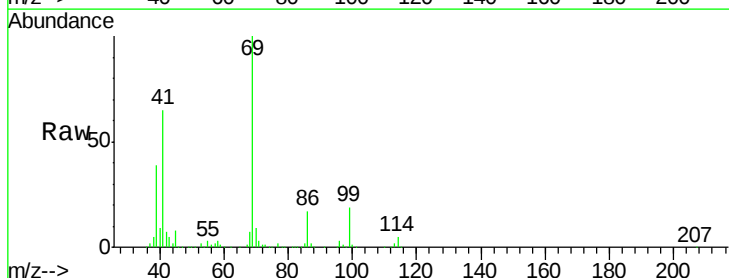
Ion 39.00 (38.70 to 39.70): VU029343.D (-1709) (-)

Ion 100.00 (99.70 to 100.70): VU029343.D (-1709) (-)



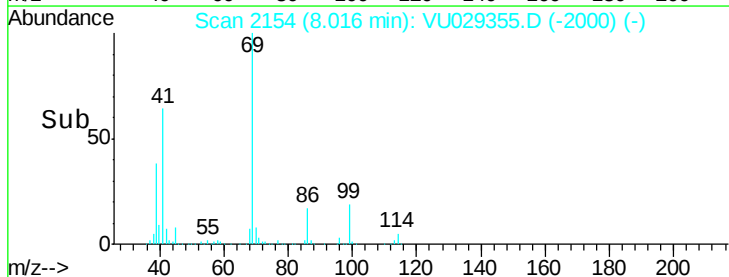
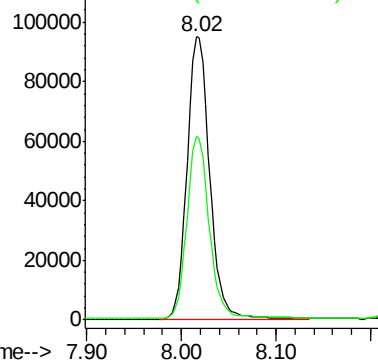
#48
Ethyl methacrylate
Concen: 10.127 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

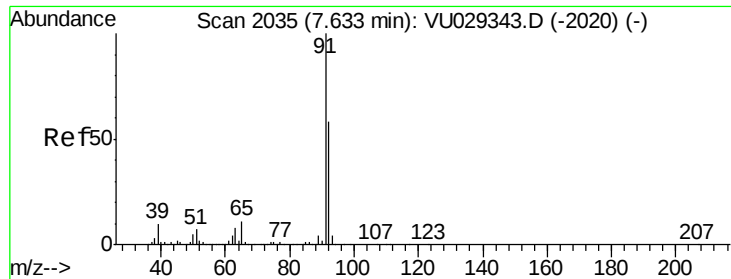
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	63.2	39.9	119.7		



Abundance Ion 69.00 (68.70 to 69.70): VU029343.D (-2140) (-)

Ion 41.00 (40.70 to 41.70): VU029343.D (-2140) (-)





#49

Toluene

Concen: 10.004 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampled :

VSTD01051

Tot Ion: 92 Resp: 379815

Ion Ratio Lower Upper

92 100

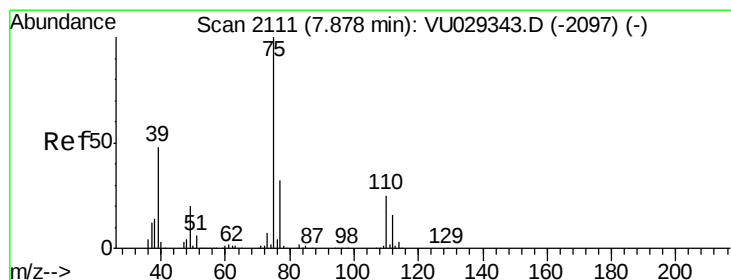
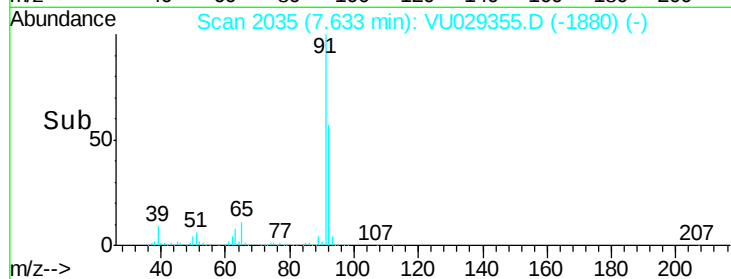
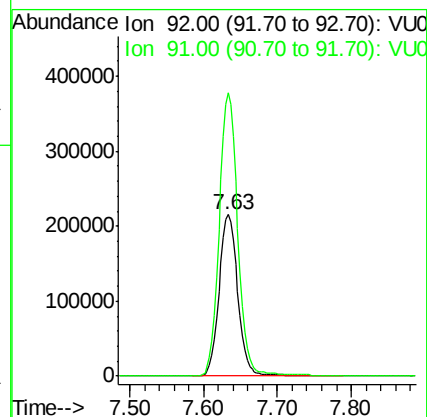
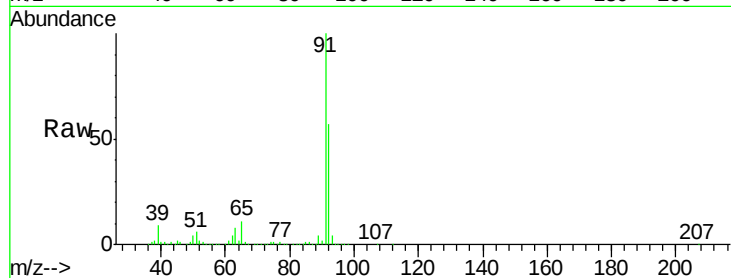
91 173.7 140.7 211.1

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 10.014 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029355.D

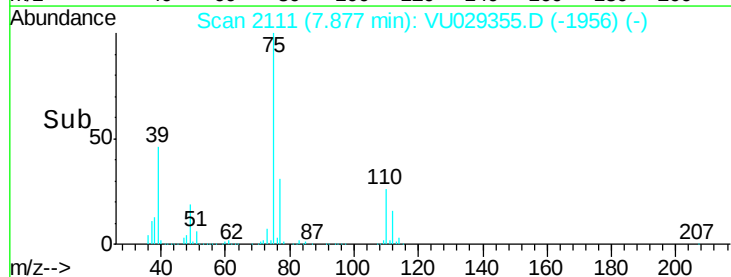
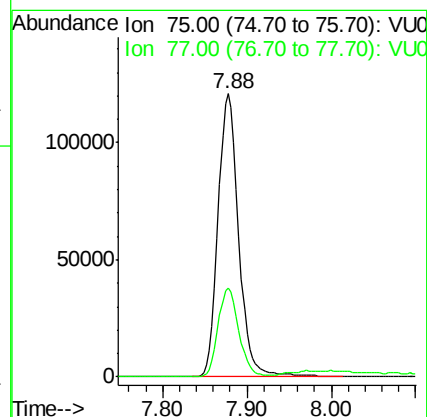
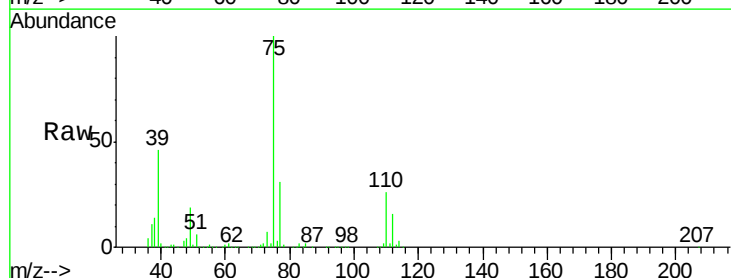
Acq: 06 Feb 2019 10:08

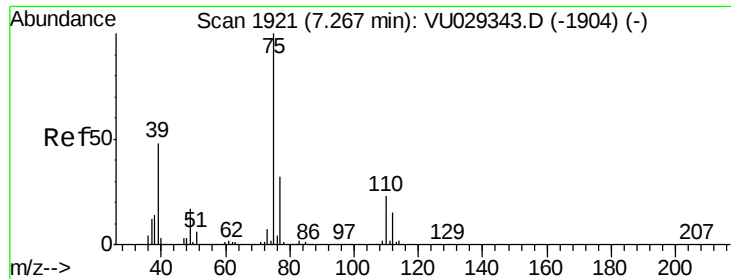
Tgt Ion: 75 Resp: 205736

Ion Ratio Lower Upper

75 100

77 31.4 23.6 35.4





#51

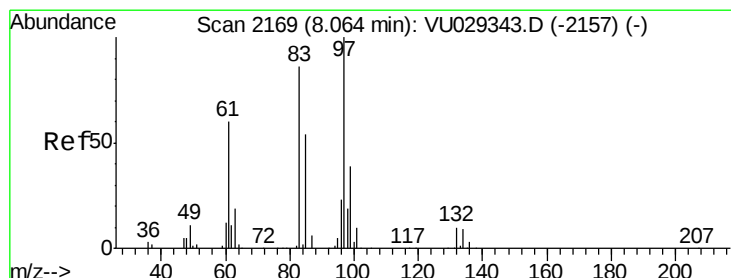
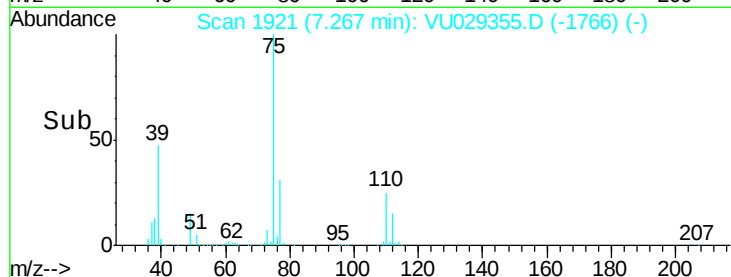
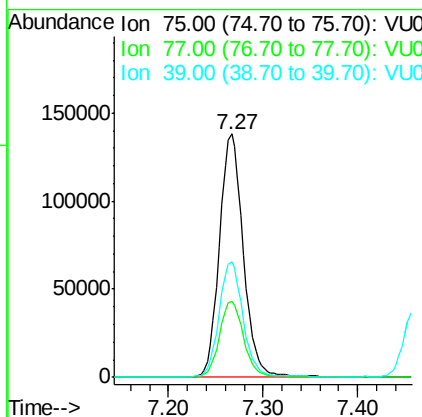
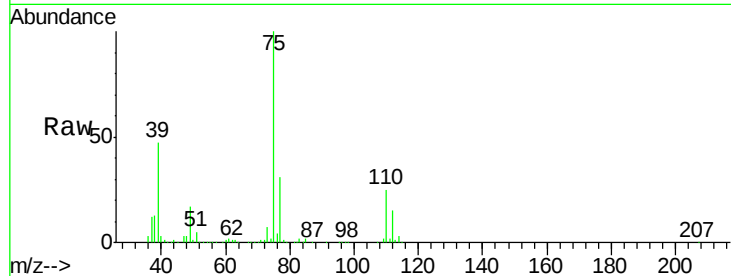
cis-1,3-Dichloropropene
Concen: 9.938 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.9	37.3
39	47.1	47.2	70.8#

Manual Integrations
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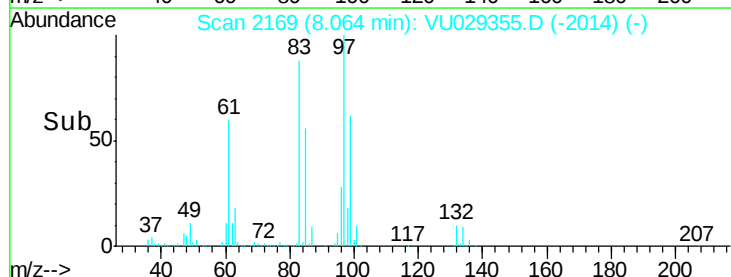
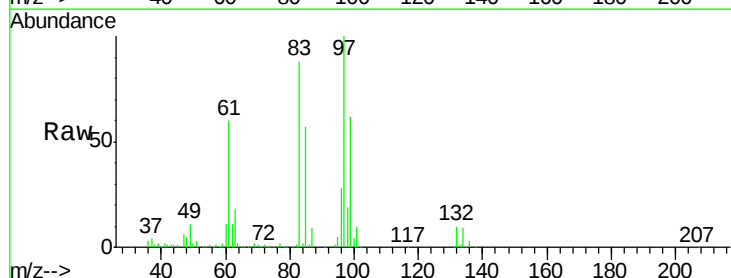
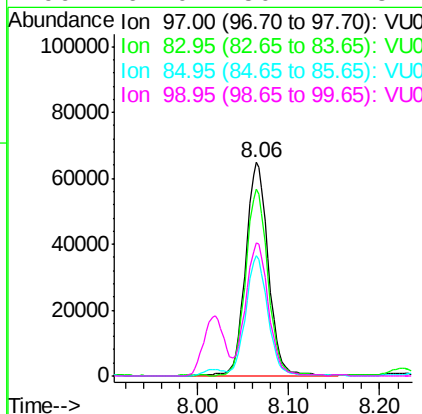
sam
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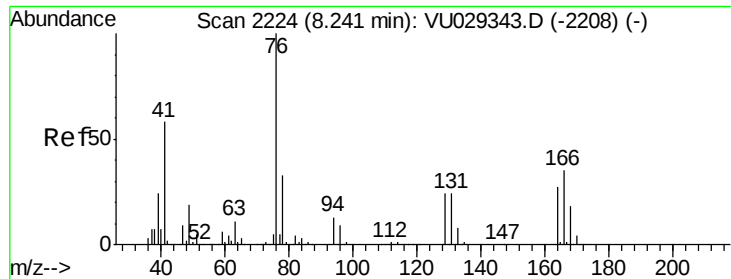


#52

1,1,2-Trichloroethane
Concen: 10.209 ug/l
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.9	104.9
85	56.4	45.8	68.6
99	62.0	50.2	75.2





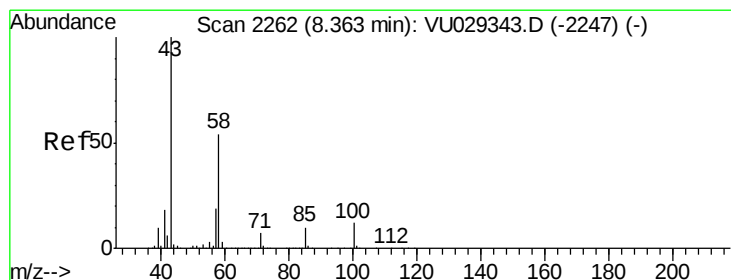
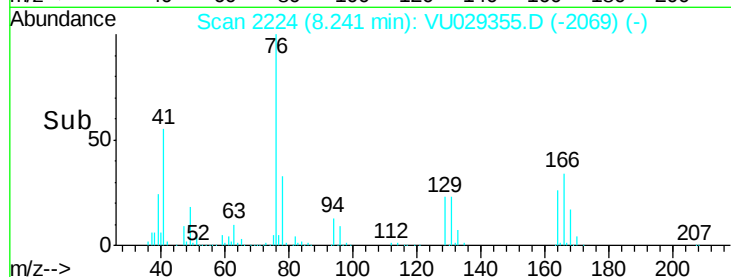
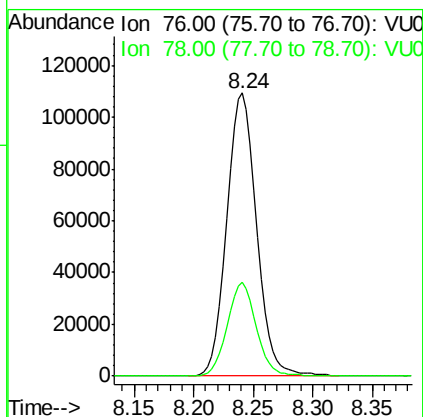
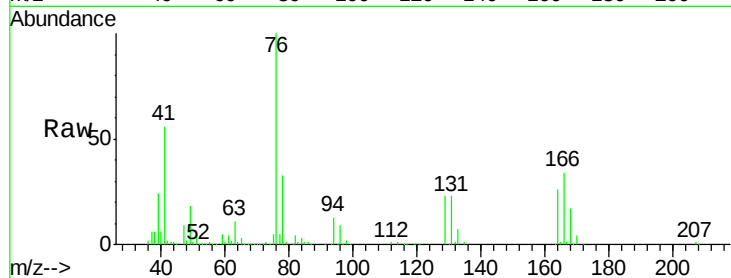
#53
 1,3-Dichloropropane
 Concen: 9.934 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Tot Ion: 76 Resp: 190027
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.3 39.5

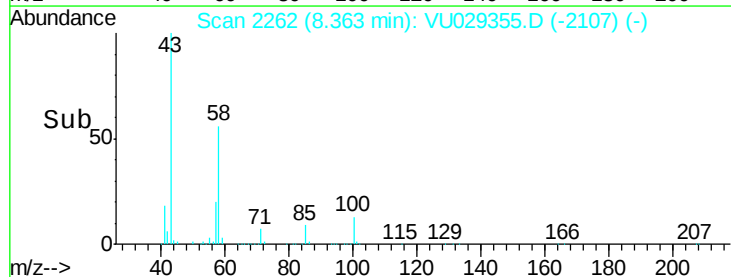
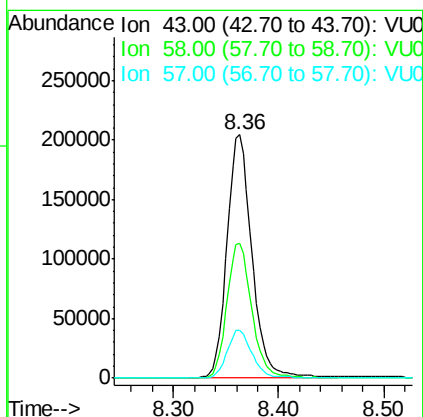
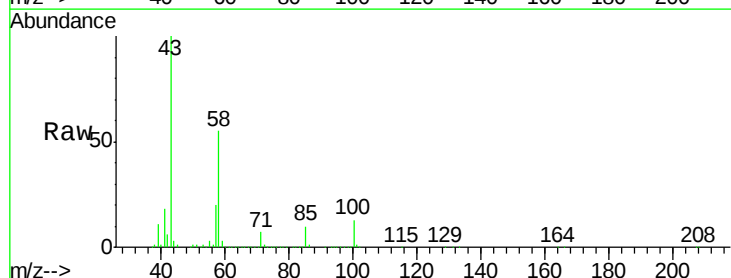
Manual Integrations
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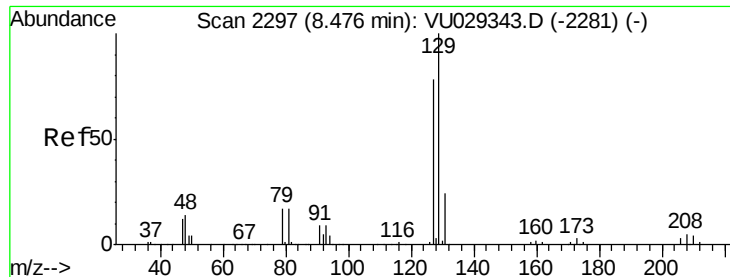
sam
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#54
 2-Hexanone
 Concen: 48.950 ug/l
 RT: 8.36 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Tgt Ion: 43 Resp: 330828
 Ion Ratio Lower Upper
 43 100
 58 55.8 26.0 66.0
 57 19.6 0.0 37.7





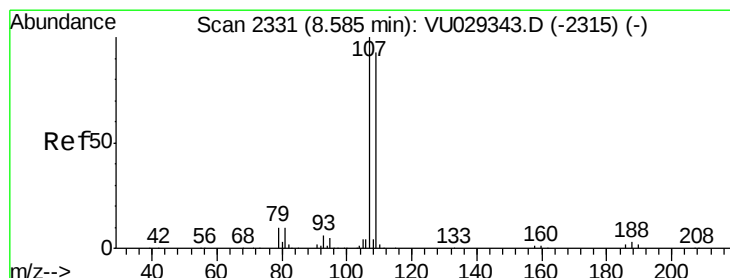
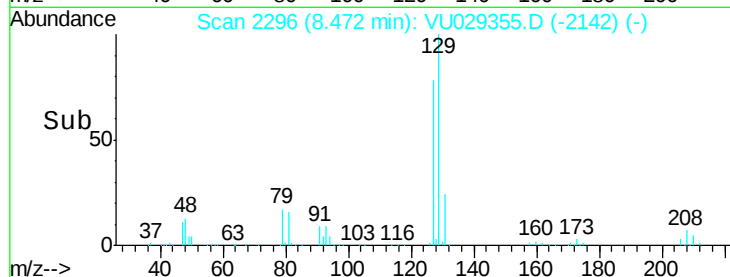
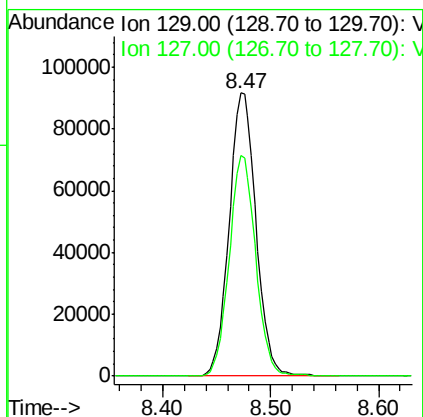
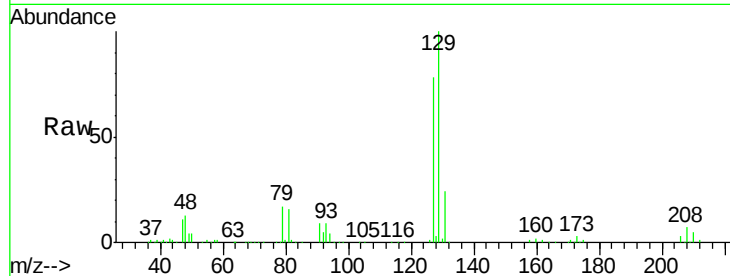
#55
Dibromochloromethane
Concen: 10.233 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.7	60.5	90.7

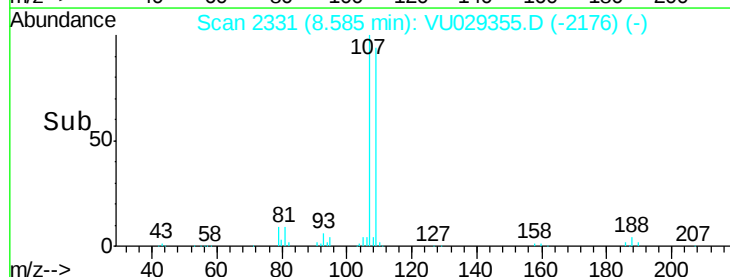
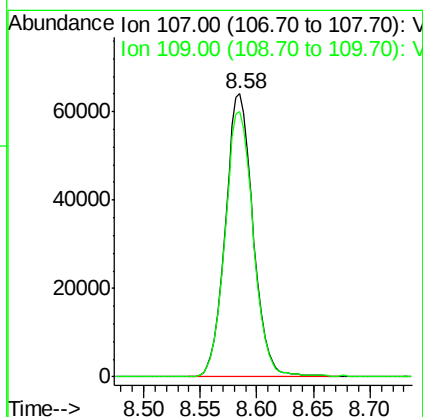
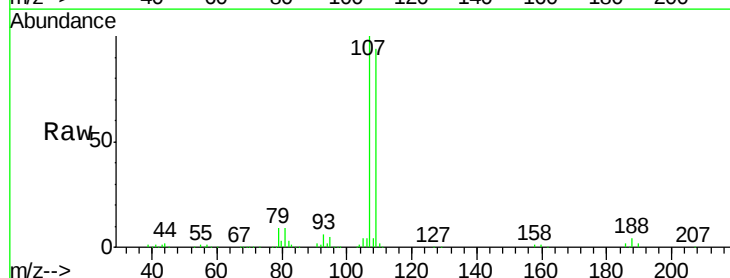
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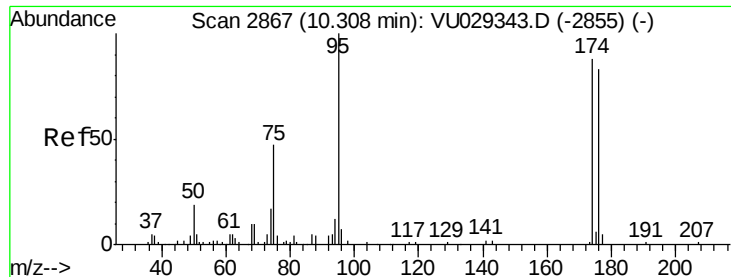
sam
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#56
1,2-Dibromoethane
Concen: 9.778 ug/l
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	0.0	189.6





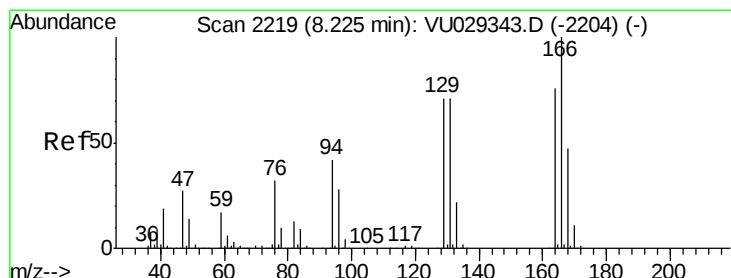
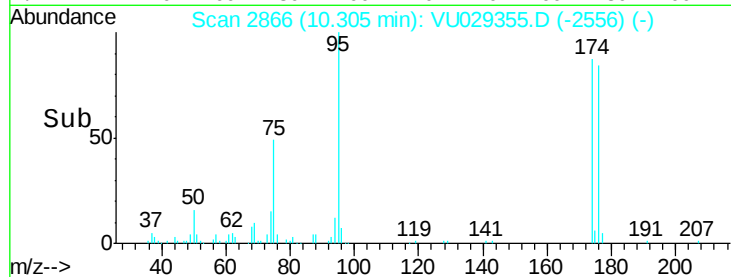
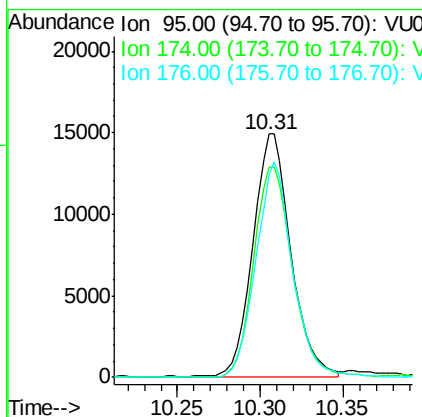
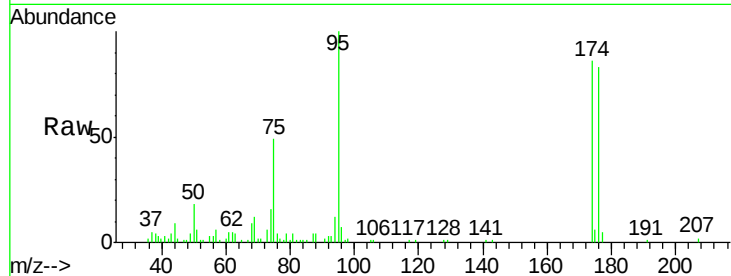
#57
4-Bromofluorobenzene
Concen: 9.778 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tot Ion	Ratio	Resp	Lower	Upper
95	100	24043		
174	87.8	64.2	96.2	
176	85.1	62.3	93.5	

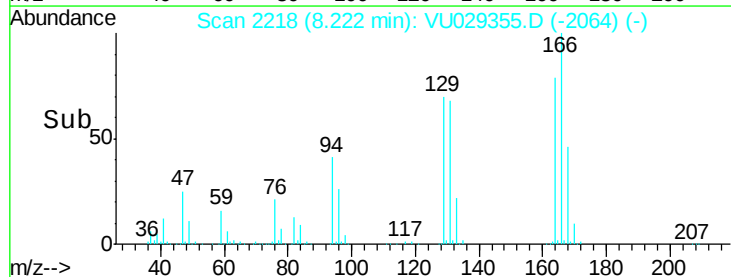
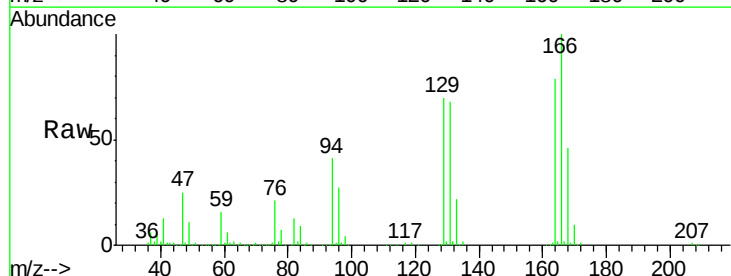
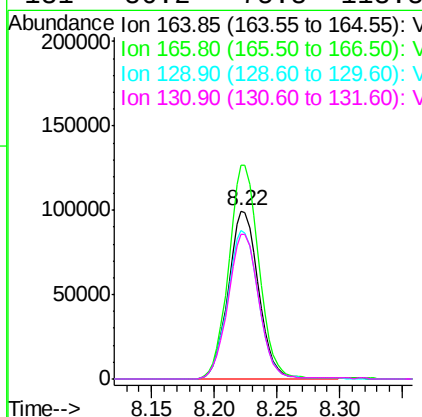
Manual Integrations
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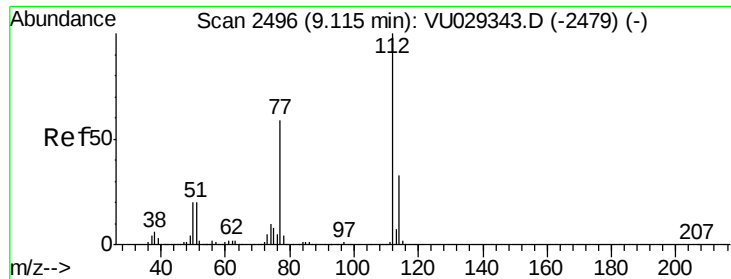
sam
2/8/2019 2:27:16 PM



#58
Tetrachloroethene
Concen: 10.554 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	167206		
166	126.9	106.6	159.8	
129	88.4	79.9	119.9	
131	86.2	75.8	113.8	





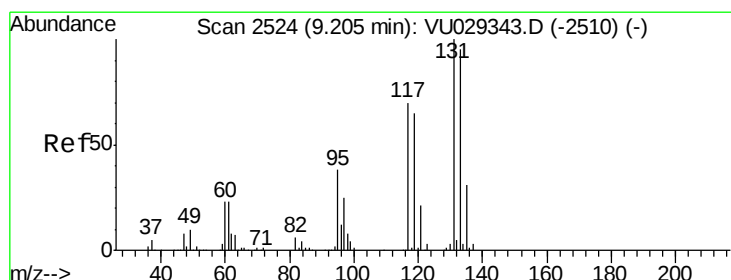
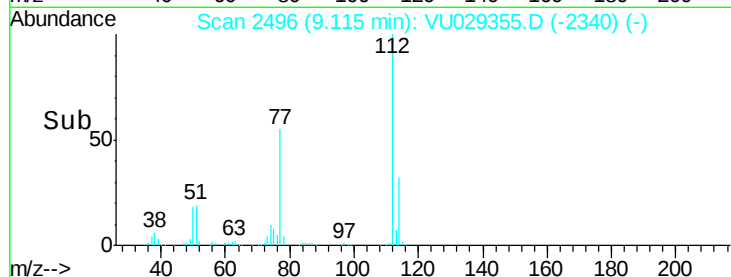
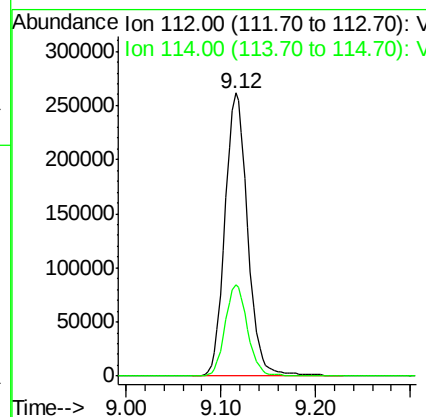
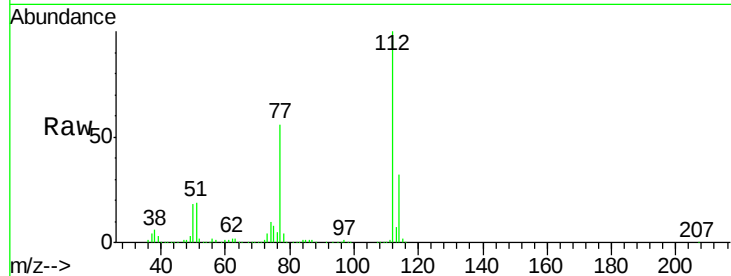
#59
Chlorobenzene
Concen: 10.217 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.2	39.4

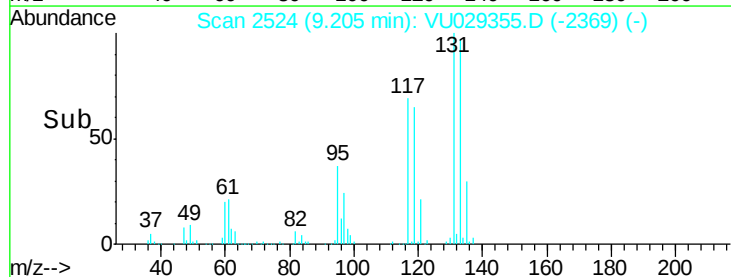
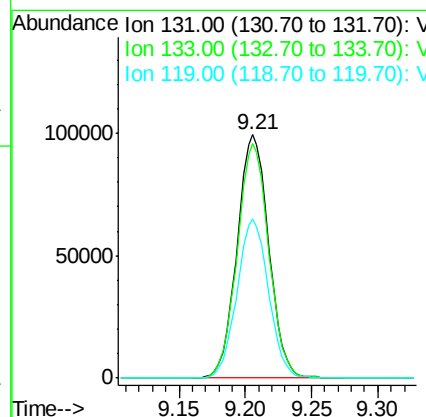
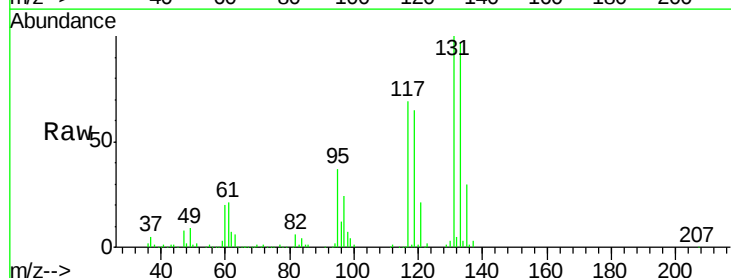
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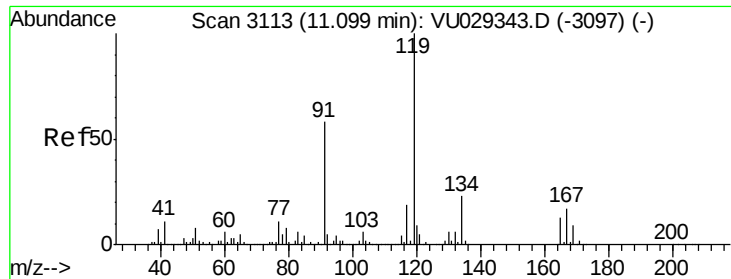
sam
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#60
1,1,1,2-Tetrachloroethane
Concen: 10.440 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	77.3	115.9
119	65.2	48.9	73.3





#61

Pentachloroethane

Concen: 10.495 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

Tot Ion:117 Resp: 128548

Ion Ratio Lower Upper

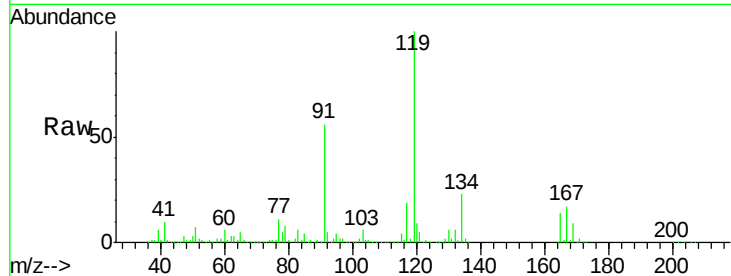
117 100

167 94.7 65.9 98.9

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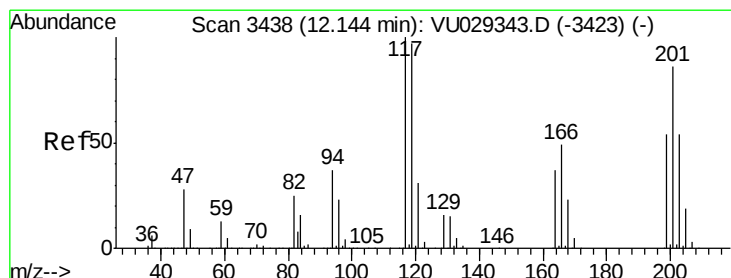
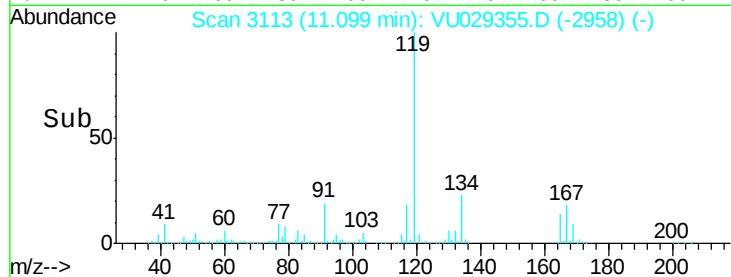
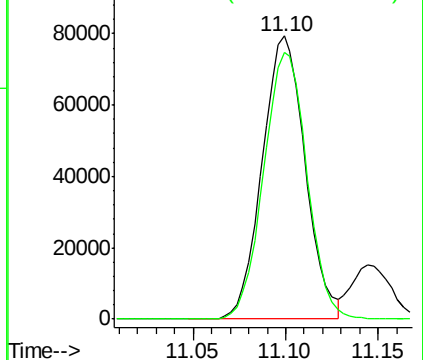
sam

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 10.805 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. -0.00 min

Lab File: VU029355.D

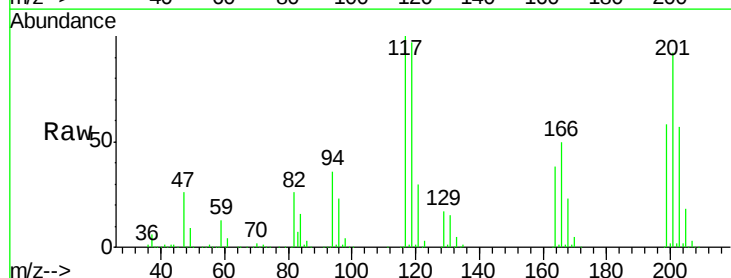
Acq: 06 Feb 2019 10:08

Tgt Ion:117 Resp: 144443

Ion Ratio Lower Upper

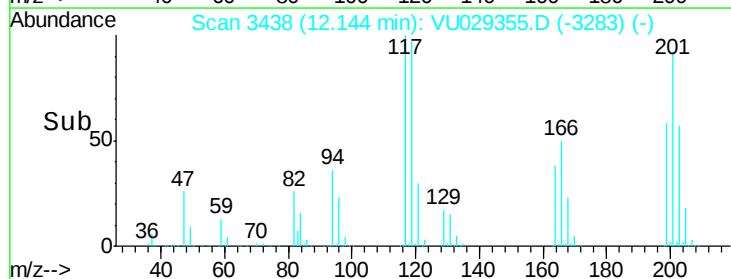
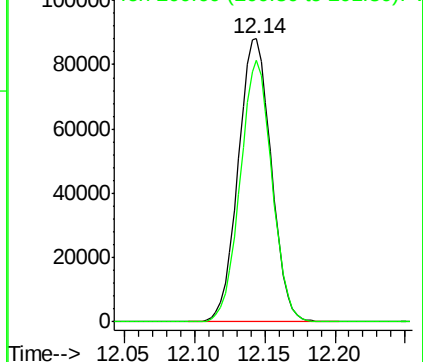
117 100

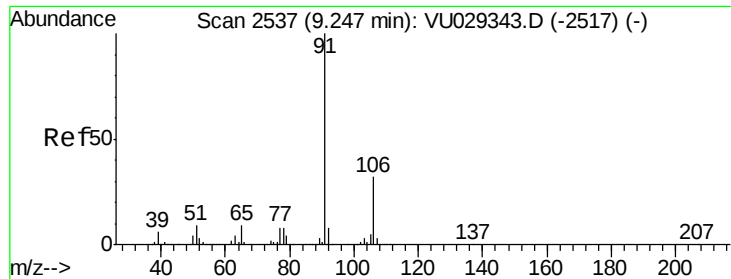
201 88.9 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





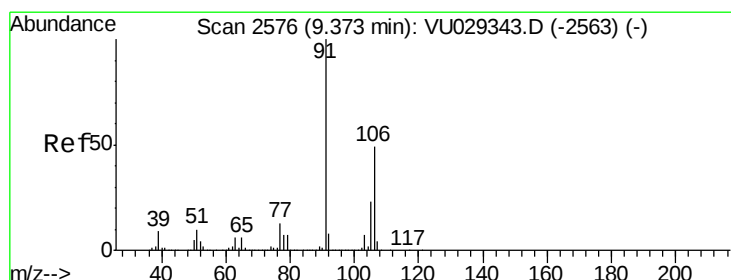
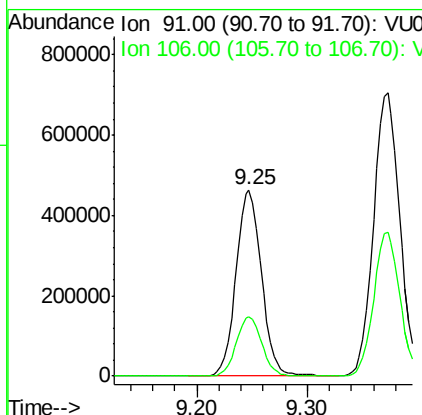
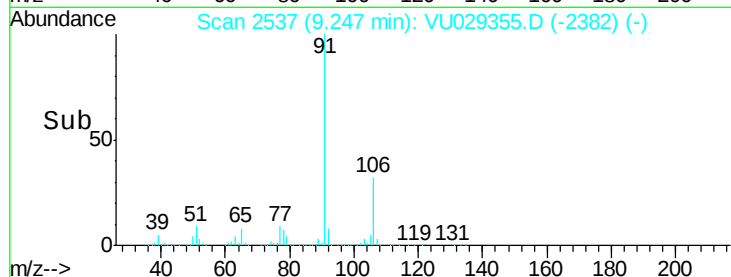
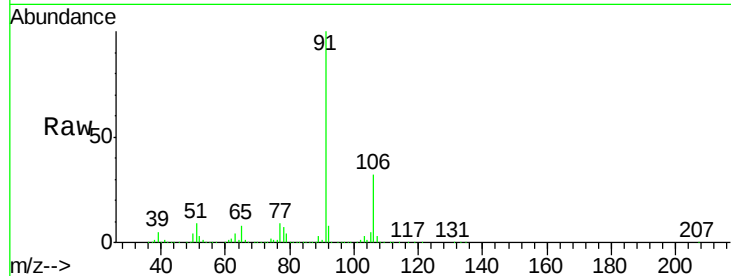
#63
Ethyl Benzene
Concen: 10.000 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD01051

Tot Ion: 91 Resp: 742772
Ion Ratio Lower Upper
91 100
106 32.2 23.8 35.6

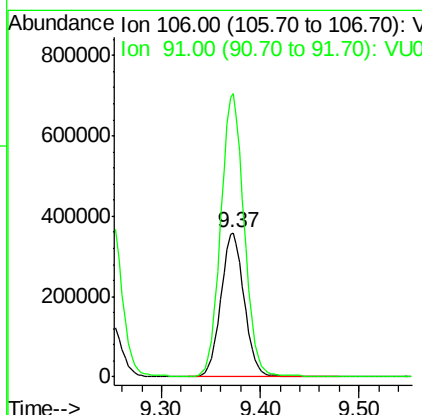
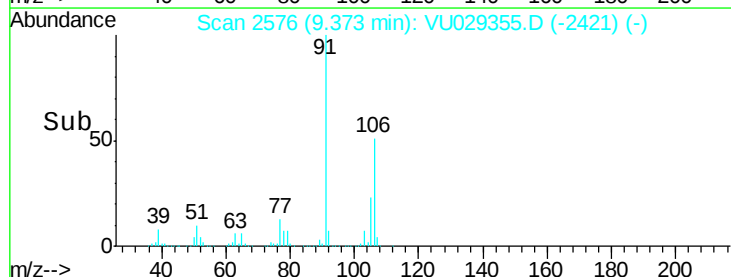
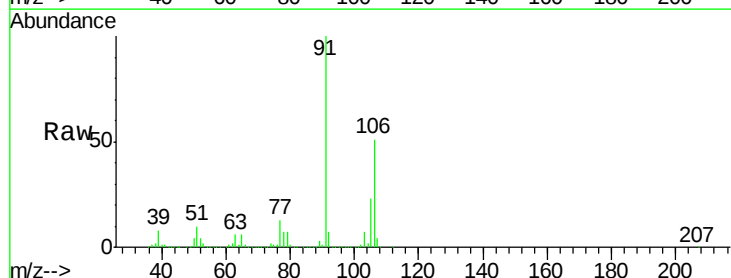
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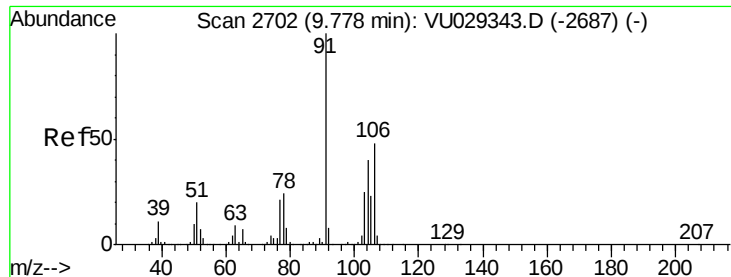
sam
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#64
m/p-Xylenes
Concen: 20.597 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU029355.D
Acq: 06 Feb 2019 10:08

Tgt Ion: 106 Resp: 594531
Ion Ratio Lower Upper
106 100
91 198.1 174.6 261.8





#65

o-Xylene

Concen: 10.169 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampled :

VSTD01051

Tot Ion:106 Resp: 288131

Ion Ratio Lower Upper

106 100

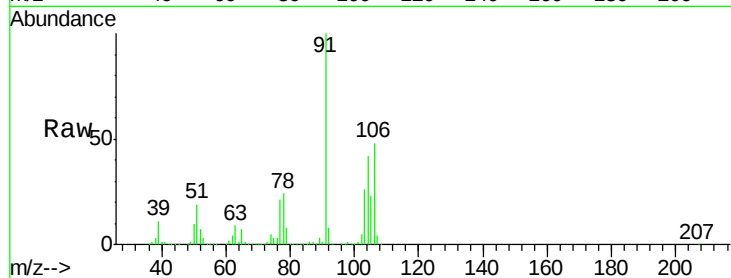
91 208.4 114.5 343.4

Manual Integrations

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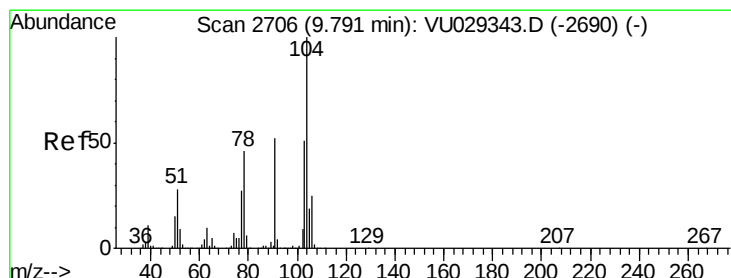
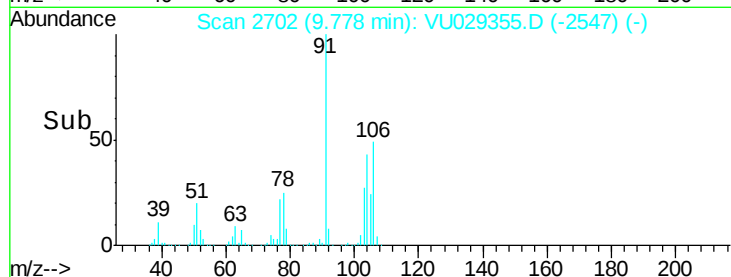
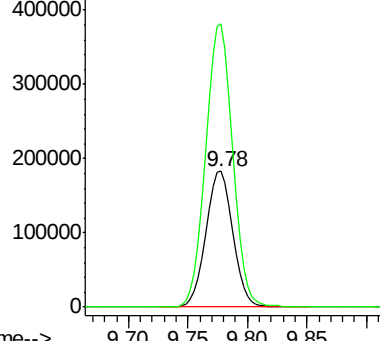
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 10.209 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

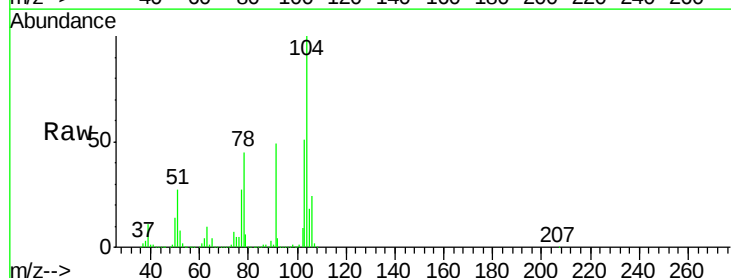
Tgt Ion:104 Resp: 482168

Ion Ratio Lower Upper

104 100

78 49.7 46.5 69.7

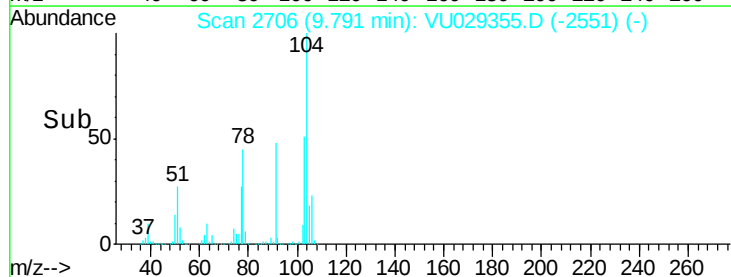
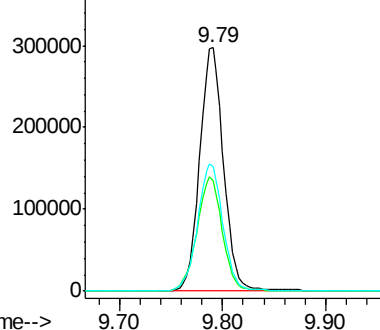
103 55.5 44.7 67.1

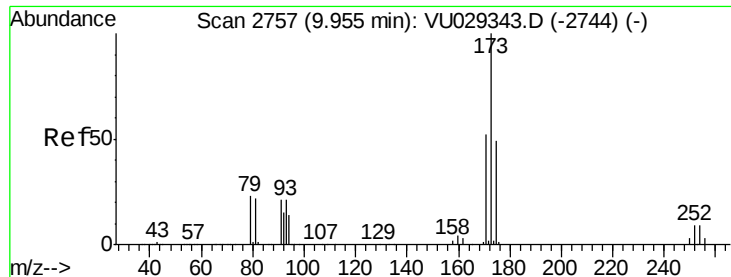


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 10.917 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

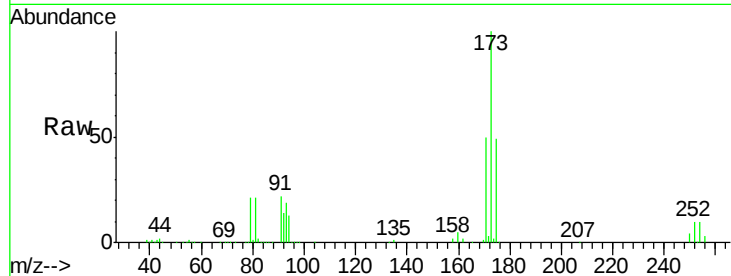
ClientSampleId :

VSTD01051

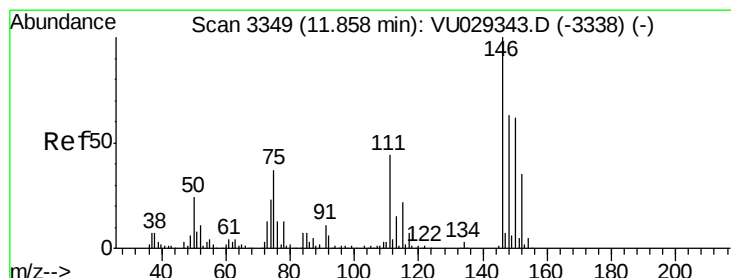
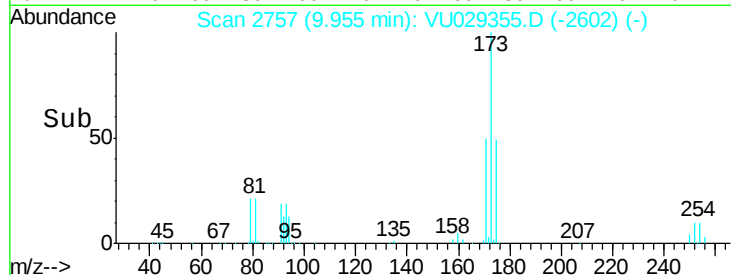
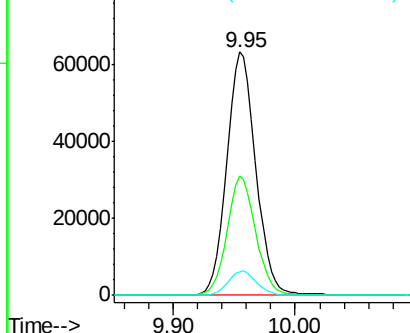
Tot Ion:	173	Resp:	105109
Ion Ratio	Lower	Upper	
173	100		
175	48.4	38.9	58.3
254	9.8	7.4	11.2

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



#68

1,2-Dichlorobenzene-d4

Concen: 10.917 ug/l

RT: 11.86 min Scan# 3349

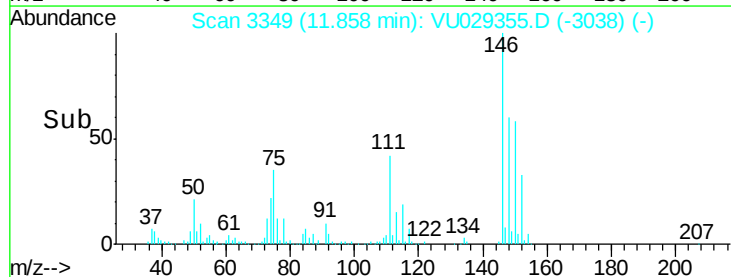
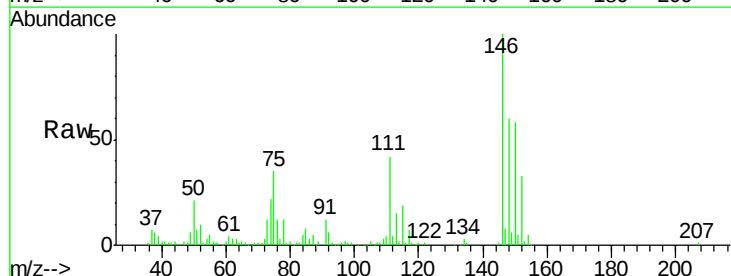
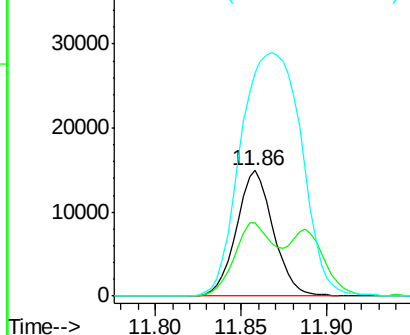
Delta R.T. -0.00 min

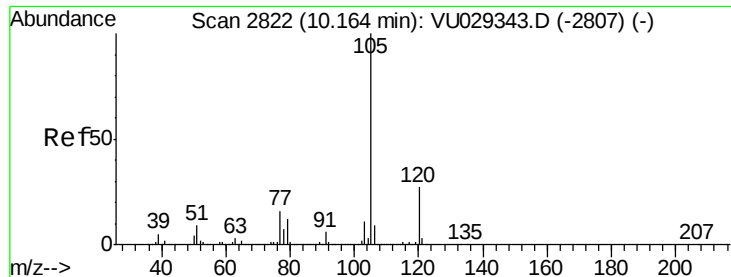
Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Tgt Ion:	152	Resp:	22302
Ion Ratio	Lower	Upper	
152	100		
115	64.7	0.0	133.4
150	320.6	0.0	670.8

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





#69

Isopropylbenzene

Concen: 10.159 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampled :

VSTD01051

Tot Ion:105 Resp: 768991

Ion Ratio Lower Upper

105 100

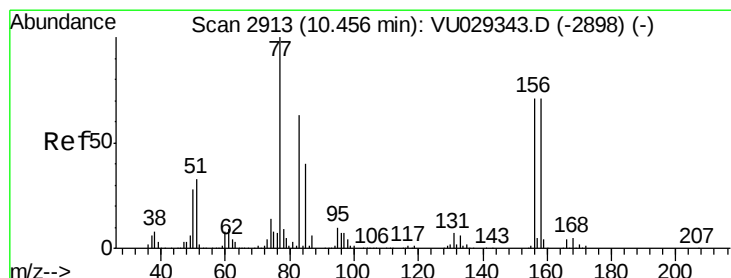
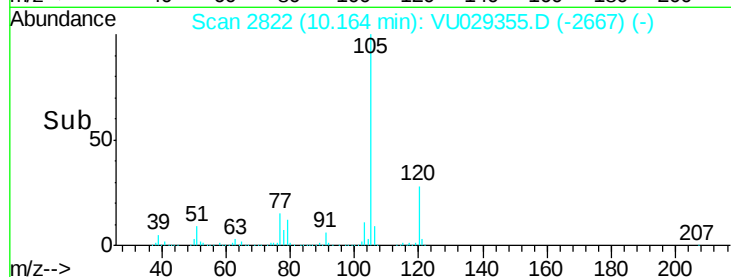
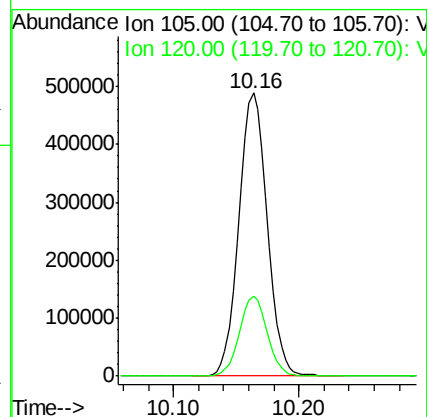
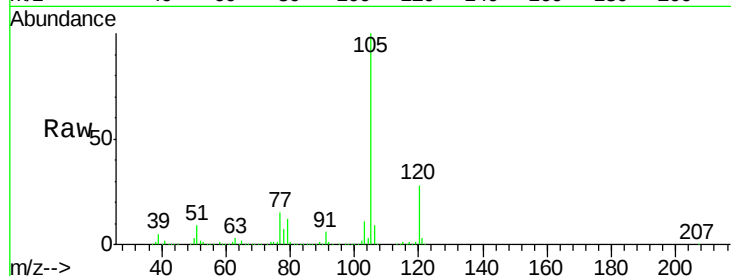
120 27.8 12.6 37.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 10.008 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

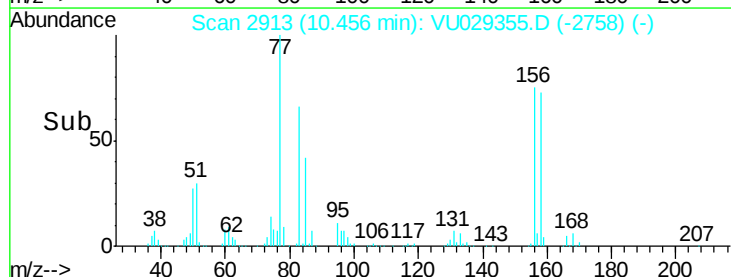
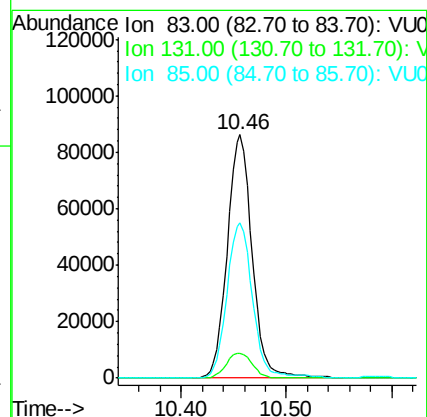
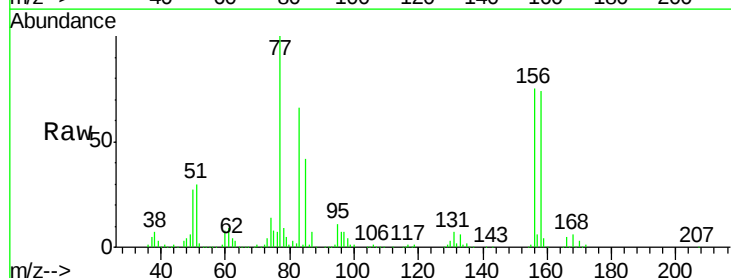
Tgt Ion: 83 Resp: 139675

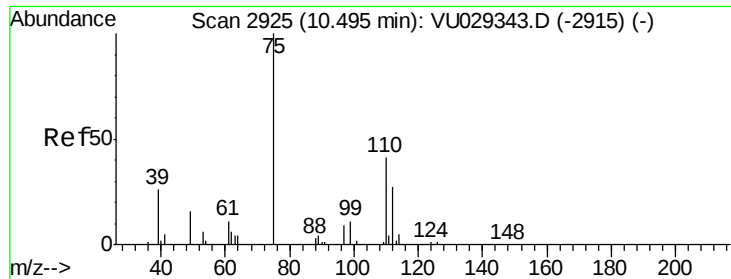
Ion Ratio Lower Upper

83 100

131 10.8 8.1 12.1

85 65.0 50.3 75.5





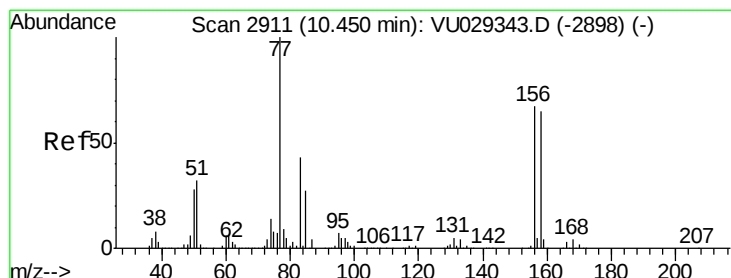
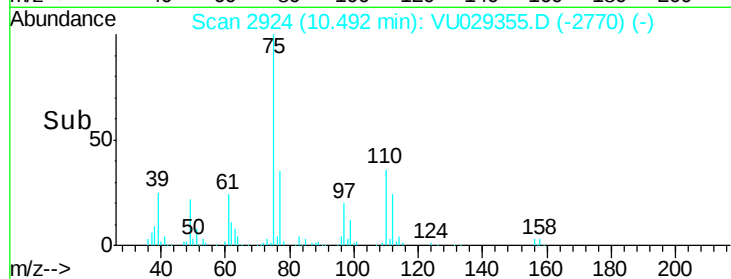
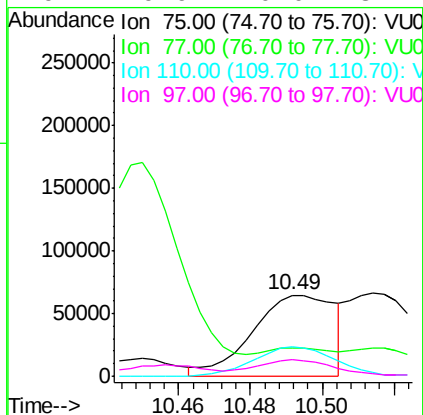
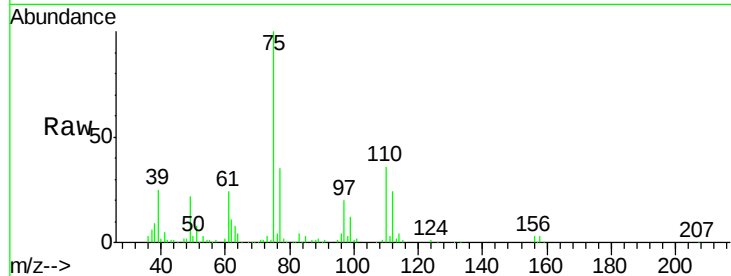
#71
 1,2,3-Trichloropropane
 Concen: 10.760 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	75	100	103129		
77	77	0.0	0.0	0.0	0.0
110	110	36.7	0.0	0.0	63.6
97	97	19.9	0.0	0.0	31.4

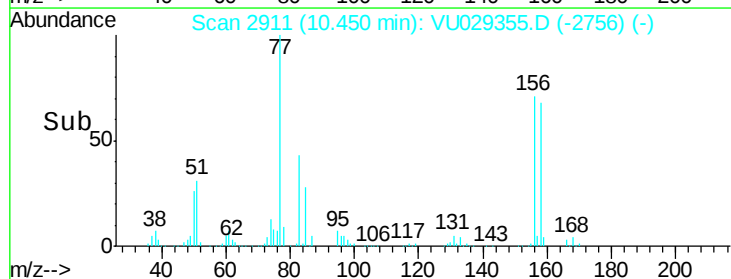
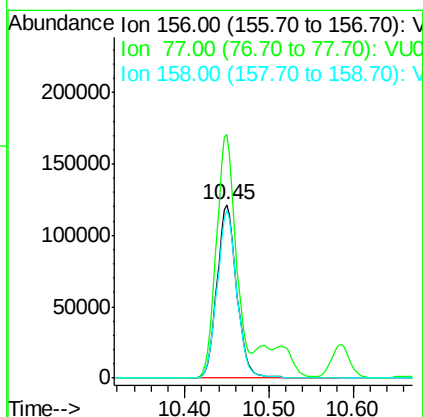
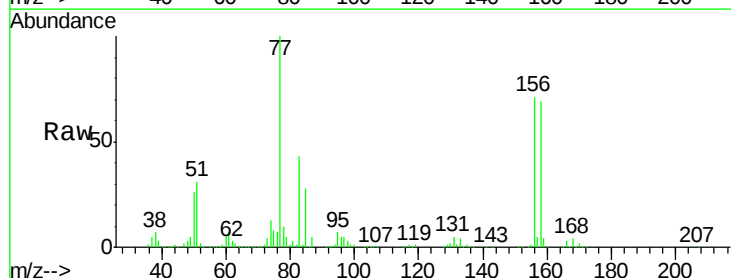
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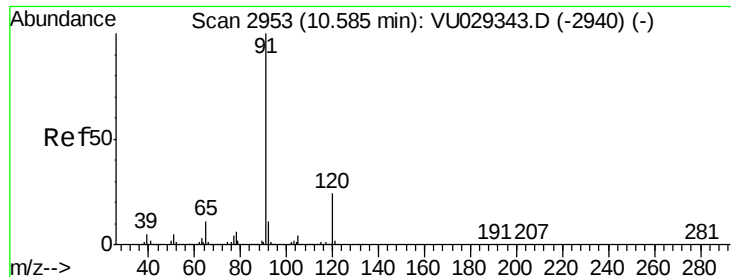
sam
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#72
 Bromobenzene
 Concen: 10.761 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	156	100	197440		
77	77	139.7	0.0	0.0	343.8
158	158	96.2	0.0	0.0	195.0





#73

n-propylbenzene

Concen: 10.481 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

Tot Ion:120 Resp: 220988

Ion Ratio Lower Upper

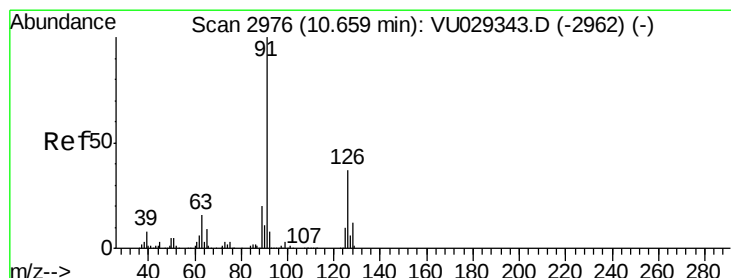
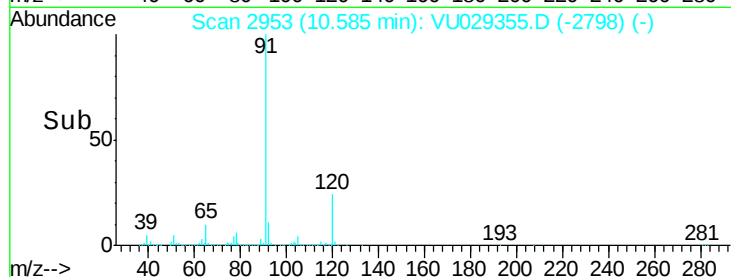
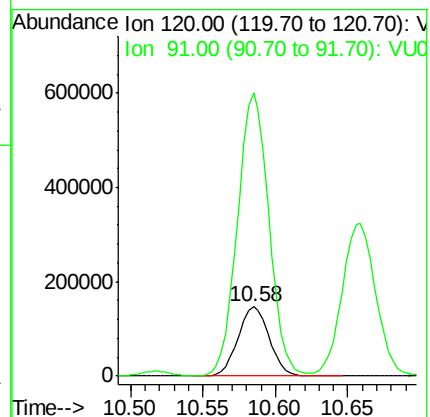
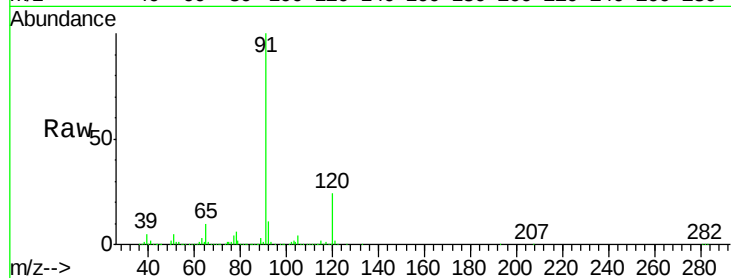
120 100

91 407.3 370.0 555.0

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#74

2-Chlorotoluene

Concen: 10.508 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. -0.00 min

Lab File: VU029355.D

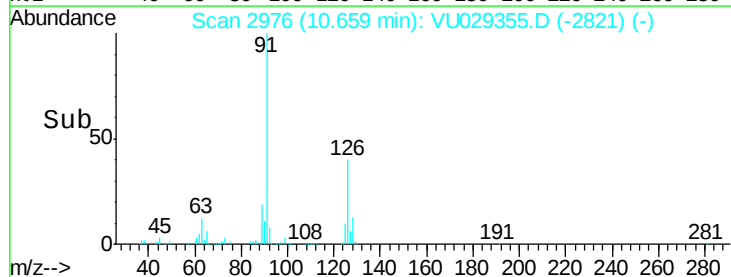
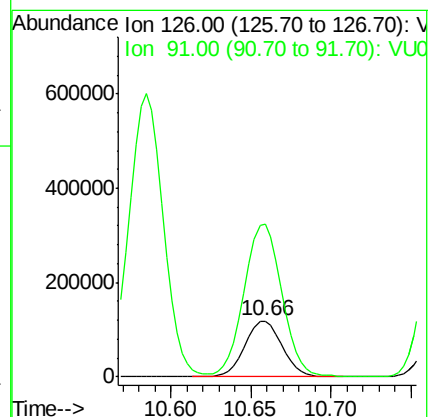
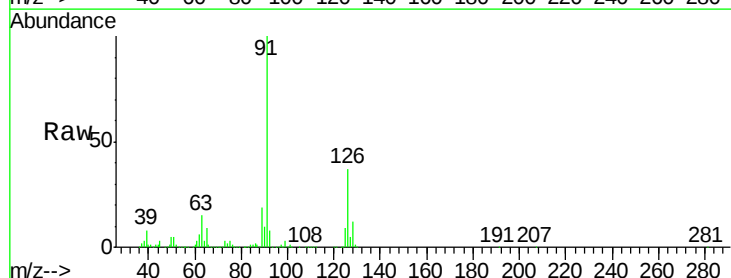
Acq: 06 Feb 2019 10:08

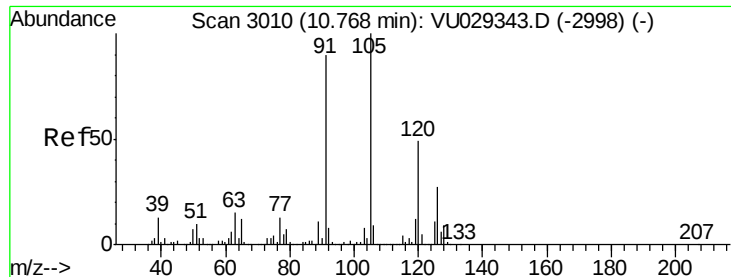
Tgt Ion:126 Resp: 188651

Ion Ratio Lower Upper

126 100

91 273.4 0.0 643.0





#75

1,3,5-Trimethylbenzene

Concen: 10.111 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

Tot Ion:105 Resp: 659880

Ion Ratio Lower Upper

105 100

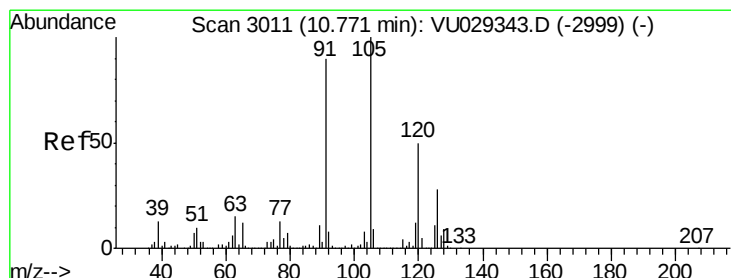
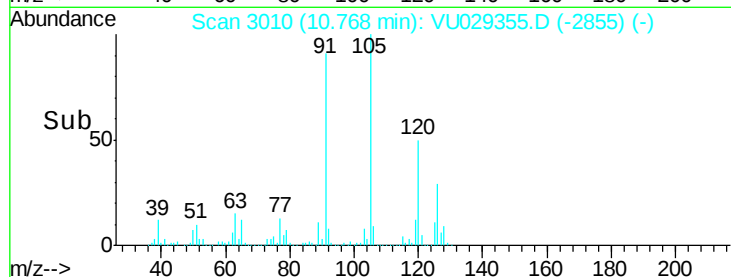
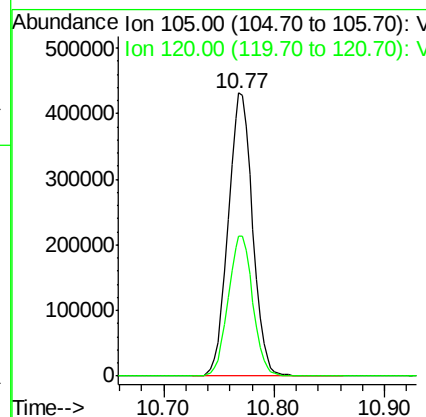
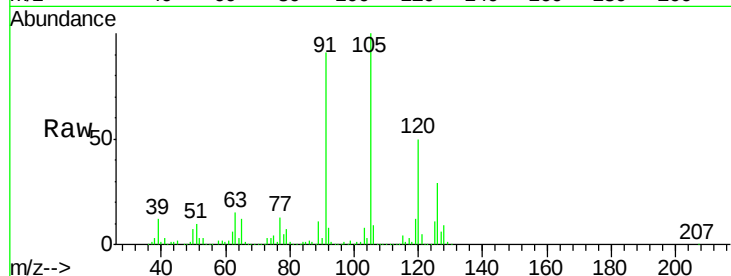
120 50.1 37.3 55.9

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#76

4-Chlorotoluene

Concen: 10.387 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029355.D

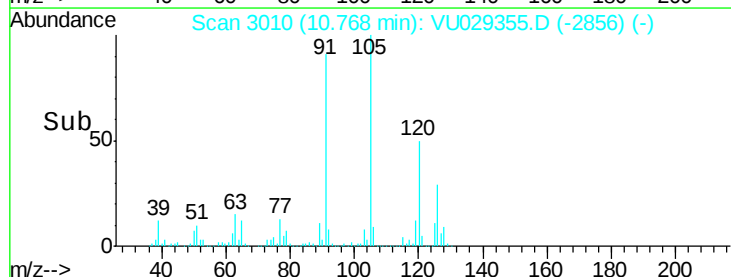
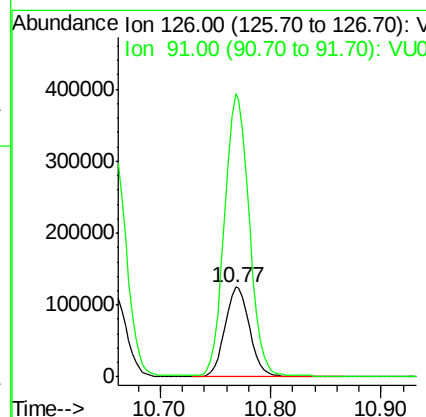
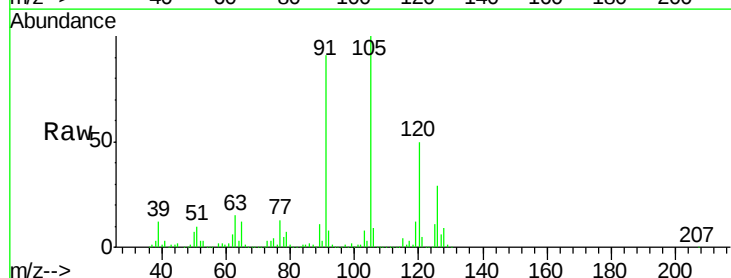
Acq: 06 Feb 2019 10:08

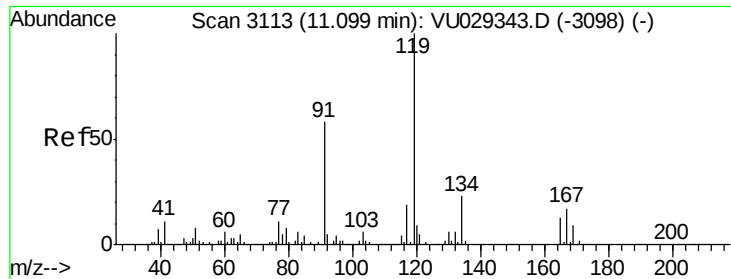
Tgt Ion:126 Resp: 193551

Ion Ratio Lower Upper

126 100

91 317.8 0.0 727.4





#77

tert-Butylbenzene

Concen: 10.457 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

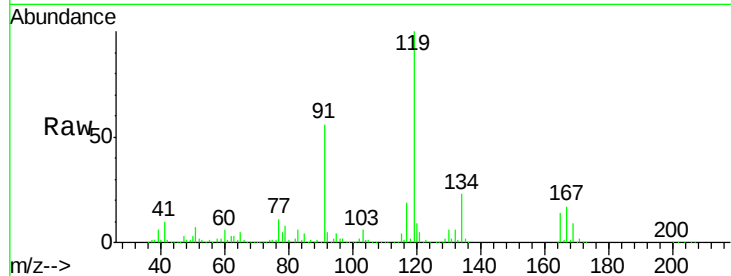
ClientSampled :

VSTD01051

Tot Ion:	119	Resp:	674579
Ion Ratio	Lower	Upper	
119	100		
91	56.2	32.2	96.6
134	23.0	17.6	26.4

Manual Integrations
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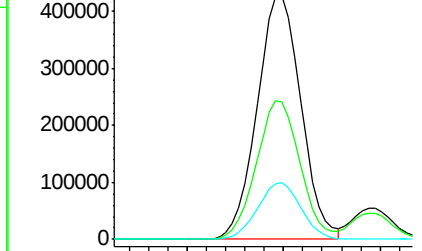
sam
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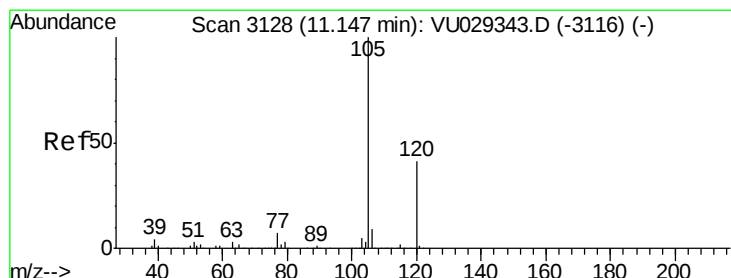
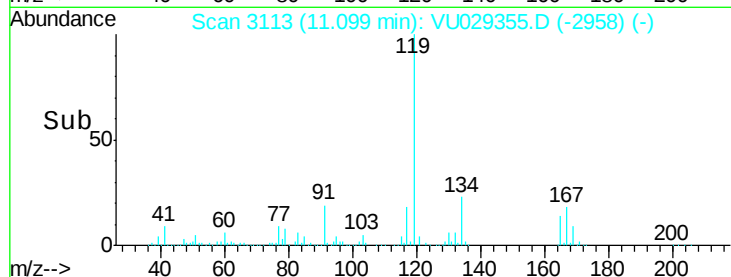
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#78

1,2,4-Trimethylbenzene

Concen: 10.308 ug/l

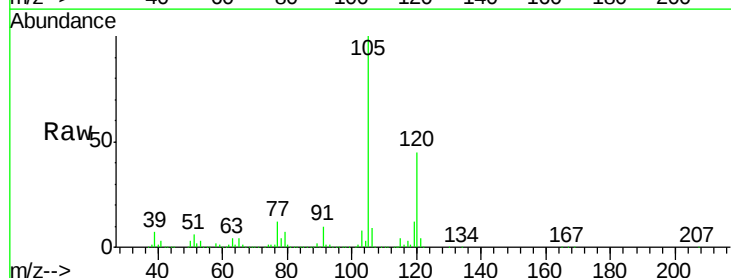
RT: 11.14 min Scan# 3127

Delta R.T. -0.00 min

Lab File: VU029355.D

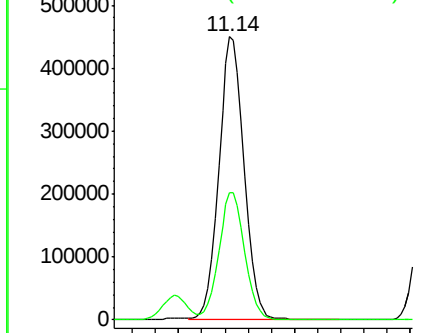
Acq: 06 Feb 2019 10:08

Tgt Ion:	105	Resp:	681076
Ion Ratio	Lower	Upper	
105	100		
120	45.8	21.4	64.3

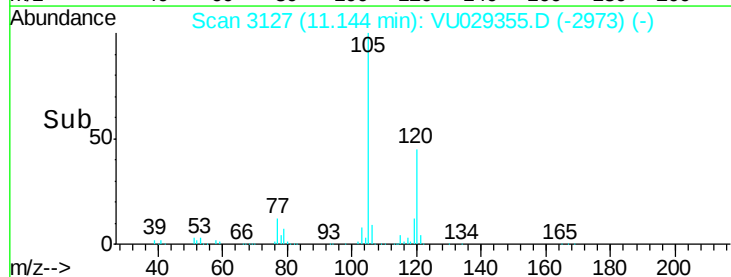


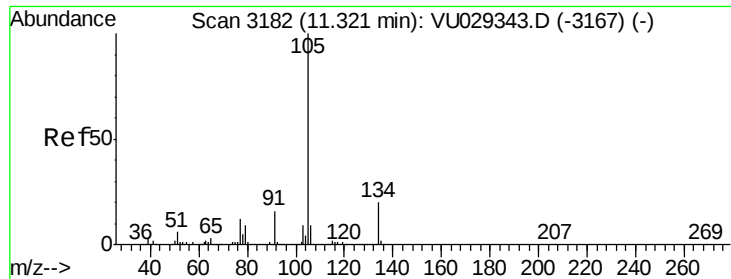
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

sec-Butylbenzene

Concen: 10.264 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01051

Tot Ion: 105 Resp: 866282

Ion Ratio Lower Upper

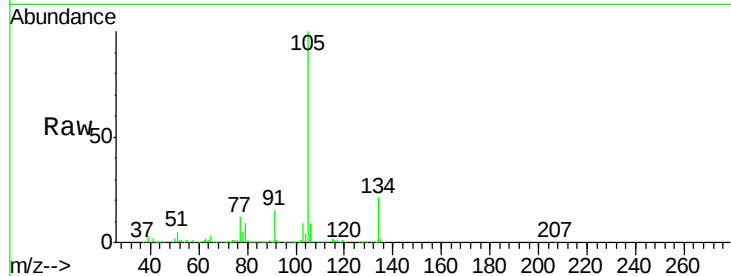
105 100

134 21.0 15.0 22.6

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

Ion 134.00 (133.70 to 134.70): V

600000

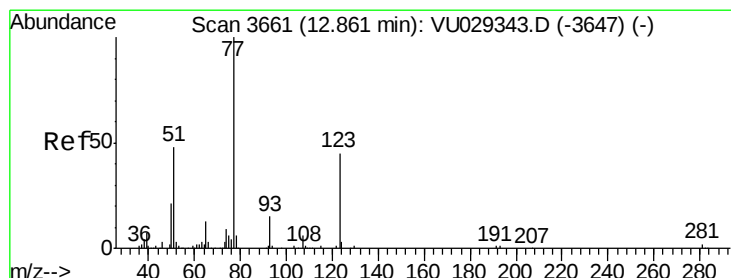
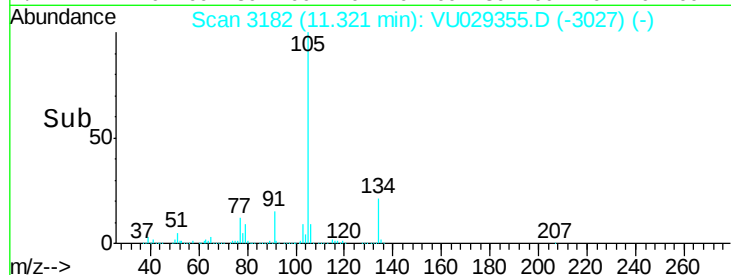
400000

200000

0

11.30 11.40

Time-->



#80

Nitrobenzene

Concen: 55.910 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

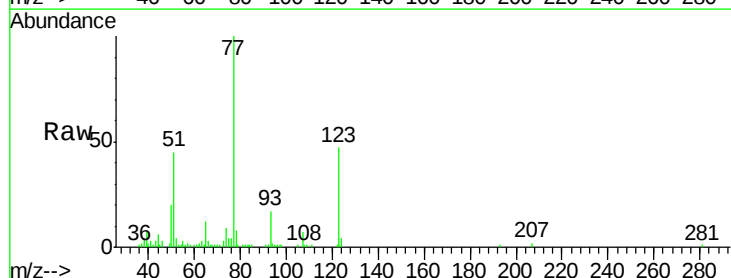
Tgt Ion: 77 Resp: 34765

Ion Ratio Lower Upper

77 100

123 48.2 17.5 61.9

65 13.1 10.8 13.8



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

25000

20000

15000

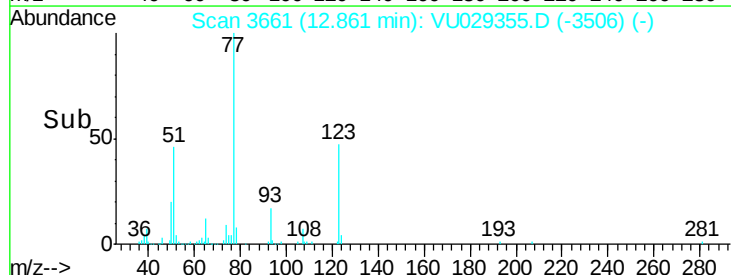
10000

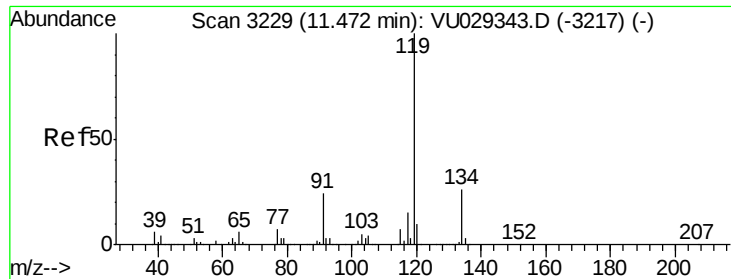
5000

0

12.80 12.90

Time-->





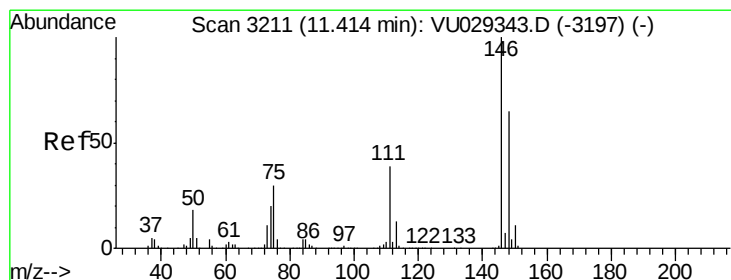
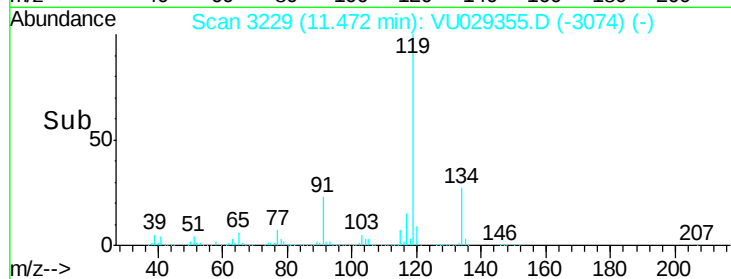
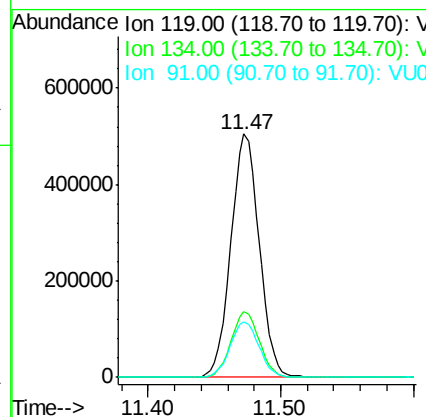
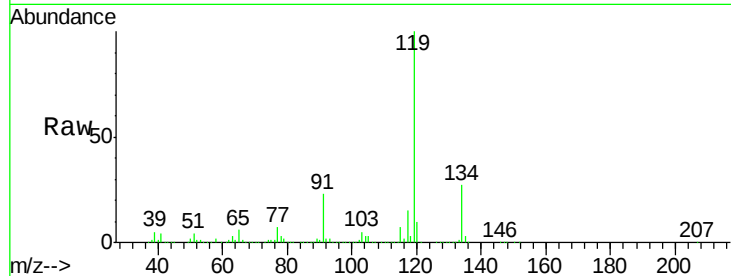
#81
 p-Isopropyltoluene
 Concen: 10.455 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	19.8	29.6
91	23.2	21.5	32.3

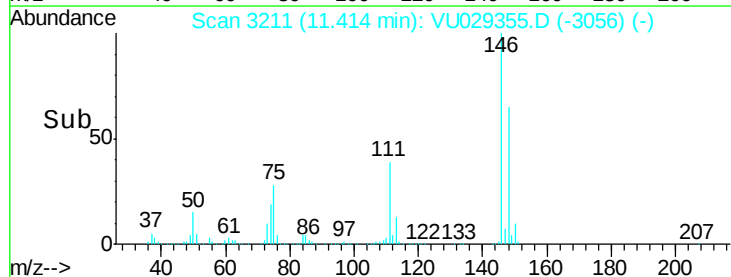
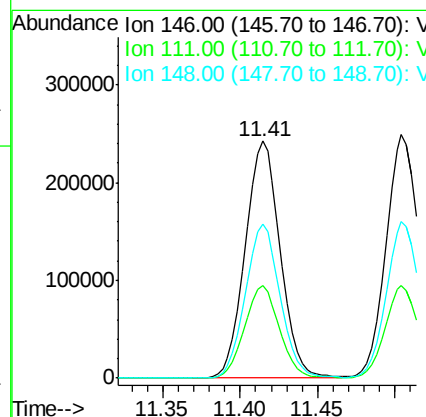
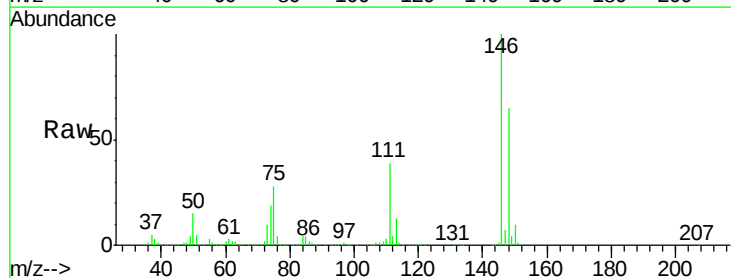
Manual Integrations
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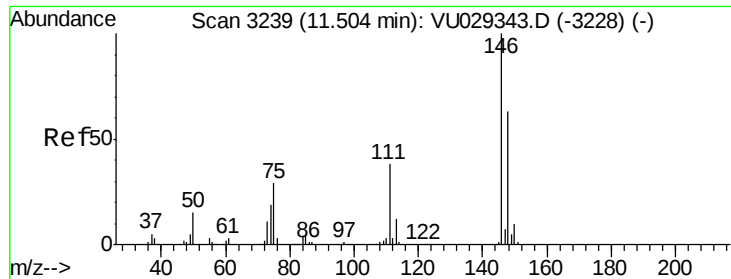
sam
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#82
 1,3-Dichlorobenzene
 Concen: 10.626 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	34.1	51.1
148	64.5	52.3	78.5





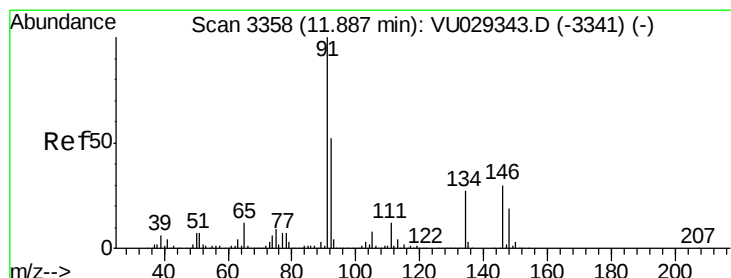
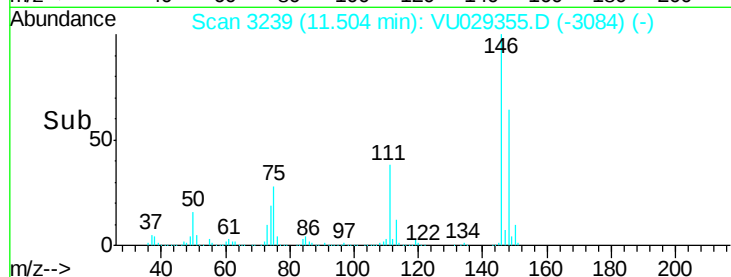
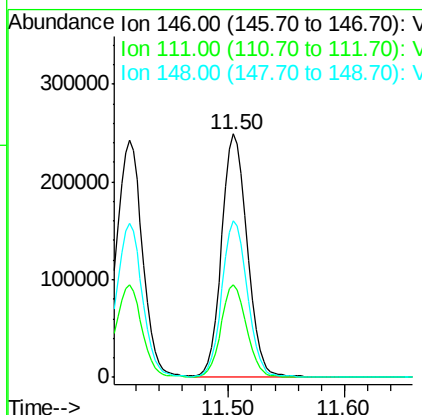
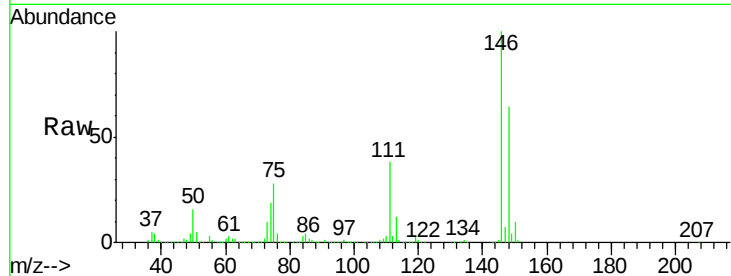
#83
 1,4-Dichlorobenzene
 Concen: 10.615 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Tot Ion	Ratio	Resp	Lower	Upper
146	100	380578		
111	37.2		32.9	49.3
148	64.3		51.8	77.6

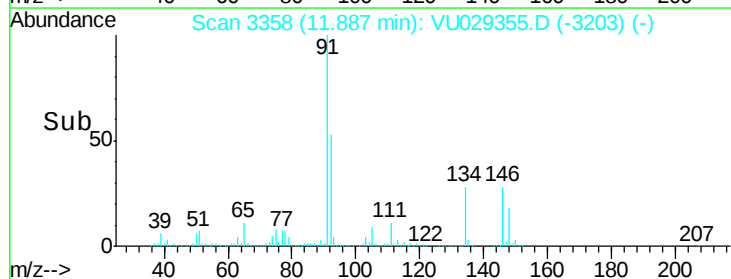
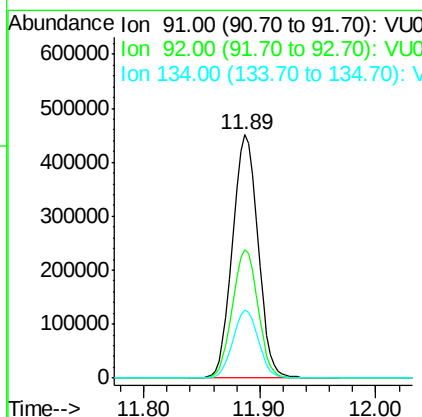
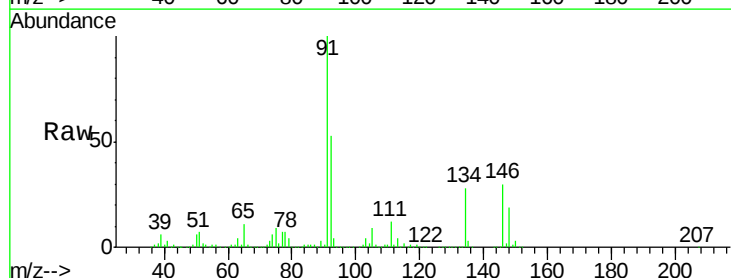
Manual Integrations
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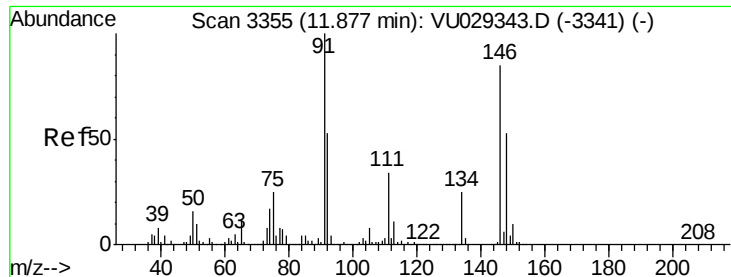
sam
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#84
 n-Butylbenzene
 Concen: 10.387 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	681976		
92	52.7		41.0	61.6
134	28.0		19.1	28.7





#85

1,2-Dichlorobenzene

Concen: 10.482 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

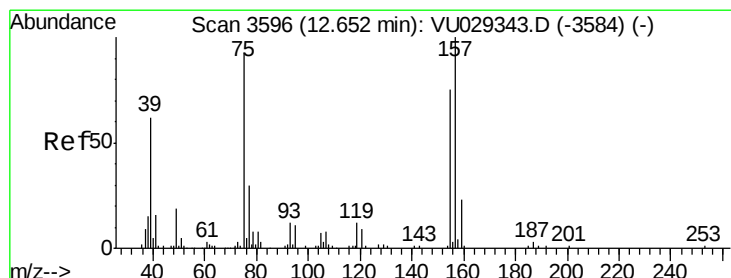
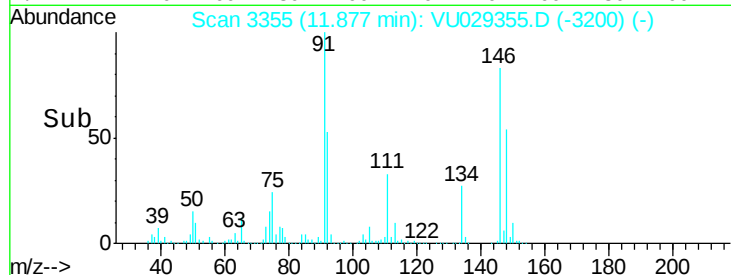
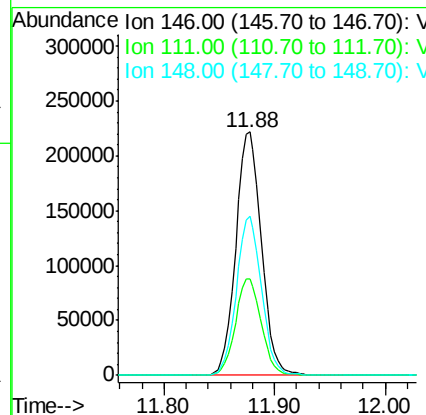
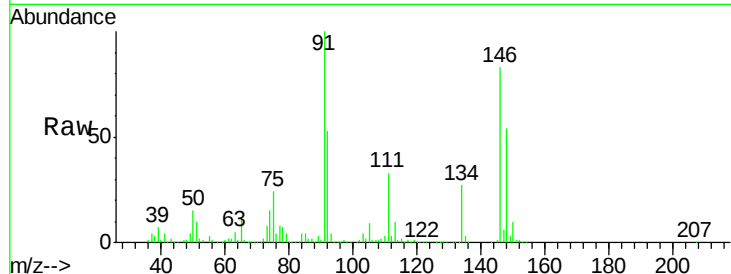
ClientSampleId :

VSTD01051

Tot Ion:	146	Resp:	356760
Ion Ratio	Lower	Upper	
146	100		
111	39.8	21.9	65.8
148	64.0	31.8	95.3

Manual Integrations
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#86

1,2-Dibromo-3-Chloropropane

Concen: 9.902 ug/l

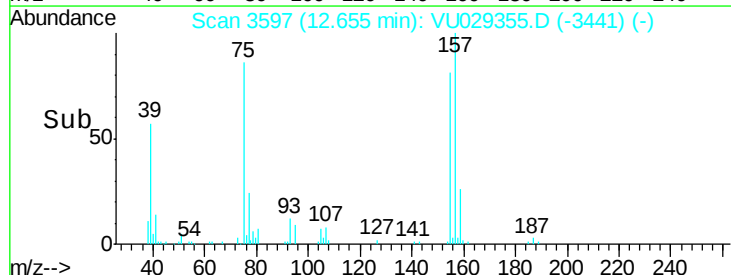
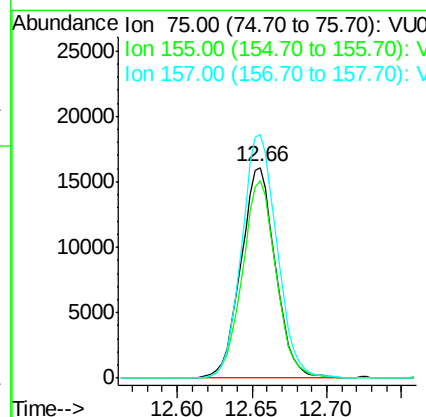
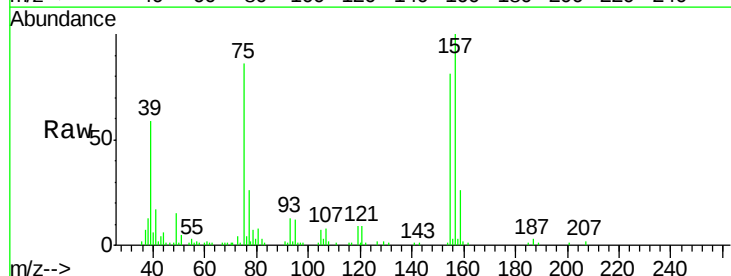
RT: 12.66 min Scan# 3597

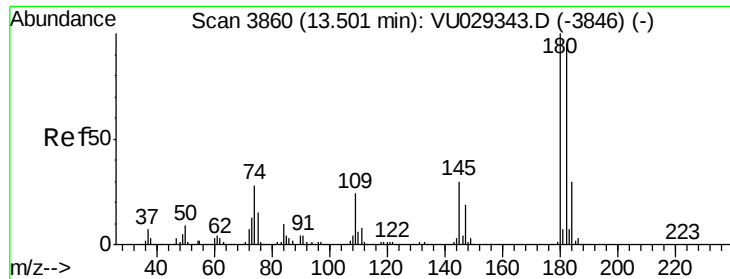
Delta R.T. 0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Tgt Ion:	75	Resp:	25790
Ion Ratio	Lower	Upper	
75	100		
155	92.1	53.8	80.8#
157	118.6	69.2	103.8#





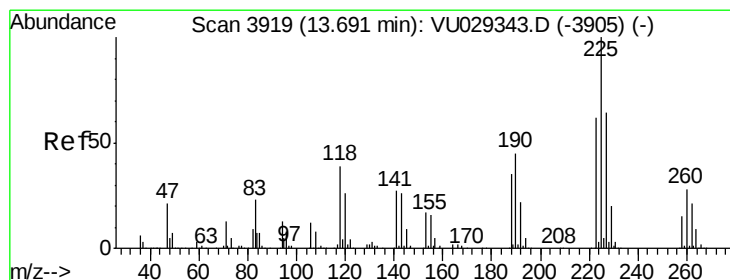
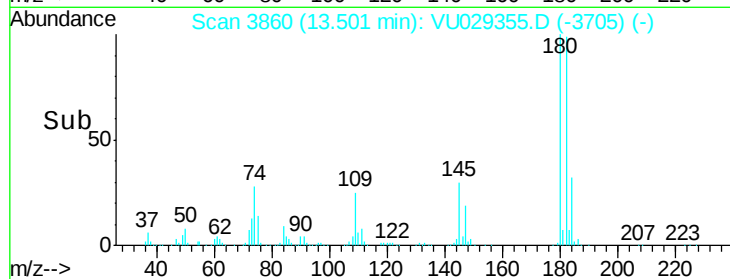
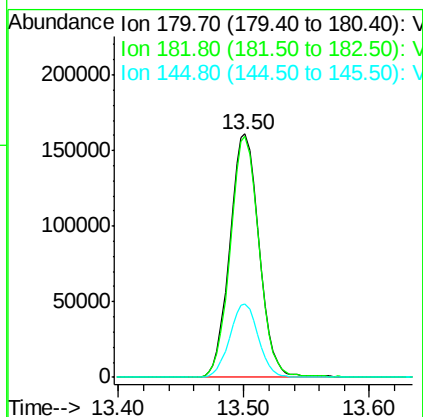
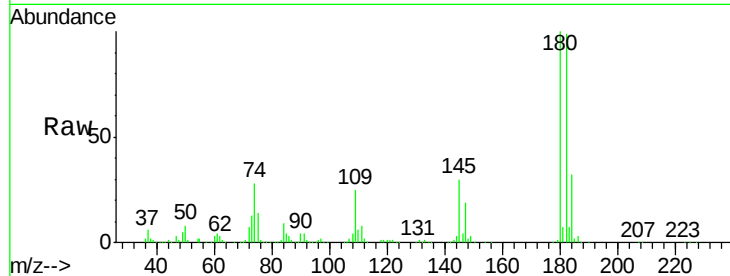
#87
 1,2,4-Trichlorobenzene
 Concen: 10.925 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01051

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.6	114.8
145	29.6	24.6	36.8

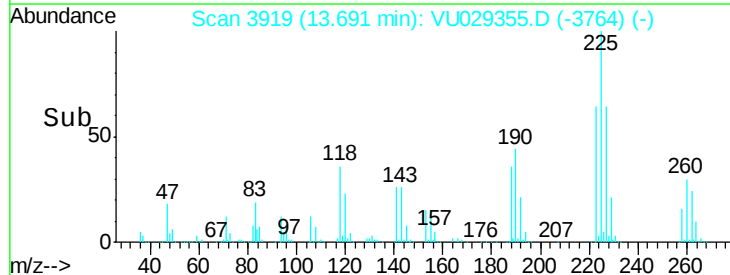
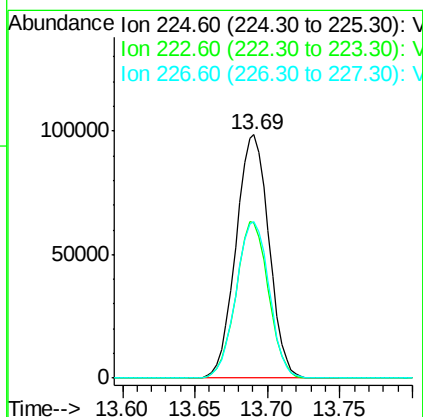
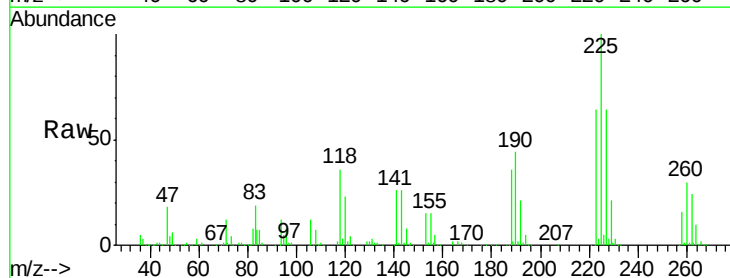
Manual Integrations
 APPROVED

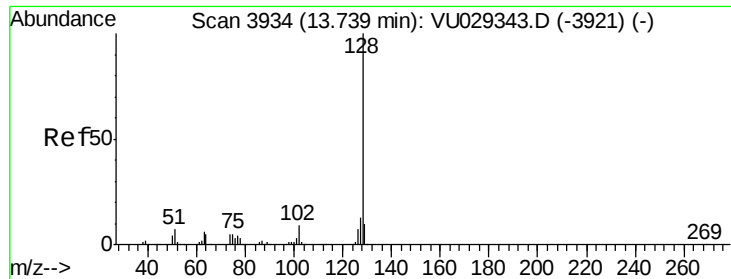
sam
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#88
 Hexachlorobutadiene
 Concen: 11.260 ug/l
 RT: 13.69 min Scan# 3919
 Delta R.T. -0.00 min
 Lab File: VU029355.D
 Acq: 06 Feb 2019 10:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.5	74.3
227	64.4	50.4	75.6





#89

Naphthalene

Concen: 10.996 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Instrument :

MSVOA_U

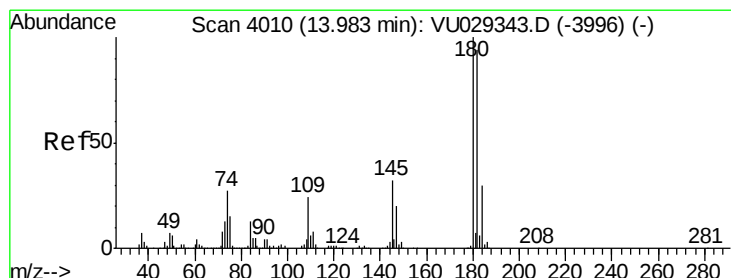
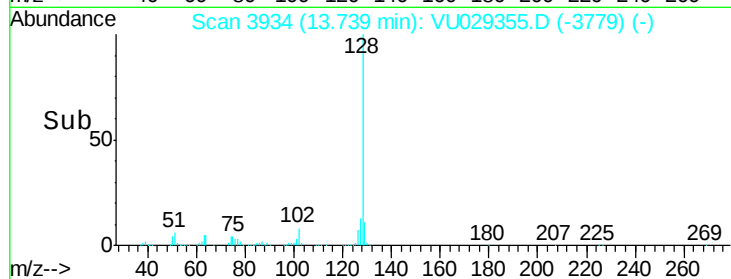
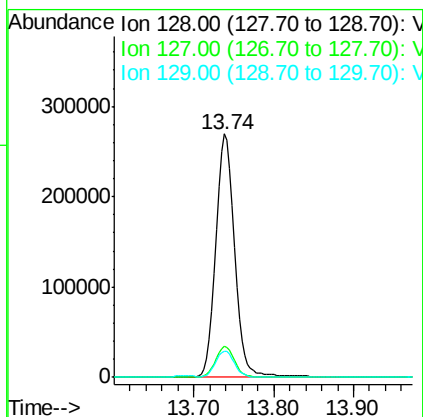
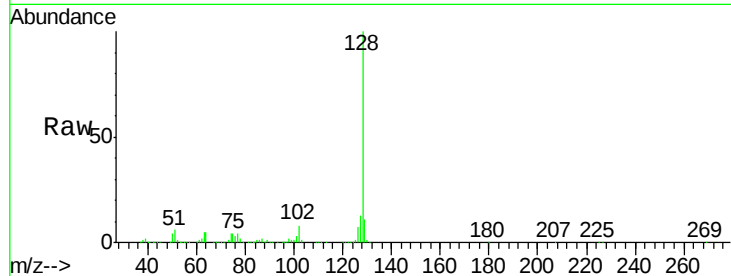
ClientSampleId :

VSTD01051

Tot Ion:	128	Resp:	445844
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.7	16.1
129	10.6	8.2	12.4

Manual Integrations
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#90

1,2,3-Trichlorobenzene

Concen: 10.777 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029355.D

Acq: 06 Feb 2019 10:08

Tgt Ion:	180	Resp:	235459
Ion Ratio	Lower	Upper	
180	100		
182	95.4	78.0	117.0
145	31.5	26.6	39.8

