

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020519\
 Data File : VU029341.D
 Acq On : 05 Feb 2019 11:43
 Operator : JC/SP
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC002

Manual Integrations
 APPROVED

sam
 2/8/2019 2:26:16 PM

Quant Time: Feb 08 10:35:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:20:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	56103	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	20539	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	21643	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	39724	1.897	ug/l	99
3) Chloromethane	1.33	50	37039	1.936	ug/l	95
4) Vinyl Chloride	1.40	62	42652	1.902	ug/l	99
5) Bromomethane	1.63	94	22238	1.782	ug/l	99
6) Chloroethane	1.70	64	25620	1.955	ug/l	95
7) Trichlorofluoromethane	1.88	101	59496	1.900	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	31704	1.917	ug/l	93
9) 1,1-Dichloroethene	2.28	96	31413	1.941	ug/l	76
10) Iodomethane	2.41	142	40744	1.962	ug/l #	77
11) Allyl Chloride	2.59	41	52680	1.941	ug/l	89
12) Acrylonitrile	2.94	53	13233	3.648	ug/l	99
13) Acetone	2.32	43	32205	9.256	ug/l #	85
14) Carbon Disulfide	2.48	76	107878	1.888	ug/l	98
15) Methylene Chloride	2.70	84	37047	1.888	ug/l #	80
16) trans-1,2-Dichloroethene	2.98	96	35347	1.955	ug/l	81
17) 1,1-Dichloroethane	3.44	63	53570	1.868	ug/l	98
18) 2-Butanone	4.28	43	37231	9.529	ug/l	95
19) Cyclohexane	4.99	56	50702m	2.005	ug/l	
20) Methylcyclohexane	6.41	83	53346	1.910	ug/l	88
21) 2,2-Dichloropropane	4.22	77	52157	1.965	ug/l	97
22) cis-1,2-Dichloroethene	4.23	96	32212	1.889	ug/l	84
23) Diethyl Ether	2.10	59	25081	1.930	ug/l	91
24) tert-Butyl Alcohol	2.83	59	24831	18.385	ug/l #	90
25) Methyl tert-Butyl Ether	3.00	73	87537	1.921	ug/l #	86
26) Bromochloromethane	4.54	128	14627	1.942	ug/l	76
27) Chloroform	4.67	83	52852	1.895	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	50015	1.935	ug/l	97
29) 1,1-Dichloropropene	5.13	75	41608	1.854	ug/l	93
30) Carbon Tetrachloride	5.13	117	44909	1.919	ug/l	97
31) Isopropyl Ether	3.58	45	83925	1.939	ug/l	89
32) Ethyl-t-butyl ether	4.07	59	84092	1.939	ug/l	97
33) Tert-Amyl methyl ether	5.58	73	74856	1.909	ug/l	97
34) Propionitrile	4.34	54	10285	10.437	ug/l #	91
35) Benzene	5.39	78	116808	1.882	ug/l	98
36) 1,2-Dichloroethane	5.40	62	35943	1.915	ug/l #	93
37) Trichloroethene	6.18	130	34355	1.929	ug/l	86
38) 1,2-Dichloropropane	6.43	63	30049	1.861	ug/l	99
39) Methacrylonitrile	4.55	41	11134	2.117	ug/l #	92
40) Methyl acrylate	4.43	55	13812	1.740	ug/l #	92
41) Tetrahydrofuran	4.65	42	10873	3.955	ug/l #	81
42) 1-Chlorobutane	5.06	56	56706	1.886	ug/l	92

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Manual Integrations
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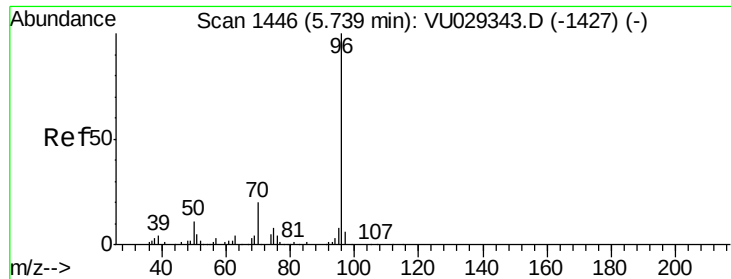
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.56	93	16284	1.893	ug/l	96
44) Bromodichloromethane	6.76	83	42236	1.927	ug/l	96
45) 4-Methyl-2-Pentanone	7.46	43	93859	9.306	ug/l #	93
46) t-1,4-Dichloro-2-butene	10.52	75	19065m	3.895	ug/l	
47) Methyl methacrylate	6.63	69	28203	3.726	ug/l	82
48) Ethyl methacrylate	8.02	69	31666	1.950	ug/l	82
49) Toluene	7.64	92	75278	1.895	ug/l	96
50) t-1,3-Dichloropropene	7.88	75	39946	1.859	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	48578	1.903	ug/l	90
52) 1,1,2-Trichloroethane	8.07	97	20930	1.838	ug/l	96
53) 1,3-Dichloropropane	8.24	76	38971	1.948	ug/l	99
54) 2-Hexanone	8.37	43	65600	9.279	ug/l	91
55) Dibromochloromethane	8.48	129	30032	1.855	ug/l	100
56) 1,2-Dibromoethane	8.59	107	22000	1.883	ug/l	99
58) Tetrachloroethene	8.22	164	31144	1.879	ug/l	96
59) Chlorobenzene	9.12	112	84028	1.878	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	31597	1.911	ug/l	96
61) Pentachloroethane	11.10	117	23912	1.866	ug/l	90
62) Hexachloroethane	12.14	117	26127	1.868	ug/l	99
63) Ethyl Benzene	9.25	91	147309	1.896	ug/l	98
64) m/p-Xylenes	9.37	106	112889	3.739	ug/l	90
65) o-Xylene	9.78	106	54618	1.843	ug/l	92
66) Styrene	9.79	104	90986	1.842	ug/l	96
67) Bromoform	9.96	173	18575	1.844	ug/l	97
69) Isopropylbenzene	10.16	105	151258	1.910	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.46	83	27913	1.912	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	17751m	1.738	ug/l	
72) Bromobenzene	10.45	156	35071	1.827	ug/l	91
73) n-propylbenzene	10.58	120	41152	1.866	ug/l	84
74) 2-Chlorotoluene	10.66	126	35164	1.872	ug/l	85
75) 1,3,5-Trimethylbenzene	10.77	105	127389	1.866	ug/l	96
76) 4-Chlorotoluene	10.77	126	34212	1.755	ug/l	89
77) tert-Butylbenzene	11.10	119	126087	1.869	ug/l	94
78) 1,2,4-Trimethylbenzene	11.15	105	128985	1.866	ug/l	96
79) sec-Butylbenzene	11.32	105	165099	1.870	ug/l	96
80) Nitrobenzene	12.87	77	4962	7.697	ug/l #	88
81) p-Isopropyltoluene	11.47	119	137895	1.843	ug/l	94
82) 1,3-Dichlorobenzene	11.41	146	69050	1.834	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	68122	1.817	ug/l	98
84) n-Butylbenzene	11.89	91	126276	1.839	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	65066	1.828	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4915	1.804	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.50	180	45707	1.828	ug/l	99
88) Hexachlorobutadiene	13.69	225	27262	1.882	ug/l	97
89) Naphthalene	13.74	128	77814	1.835	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	42242	1.848	ug/l	97

(#) = 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: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

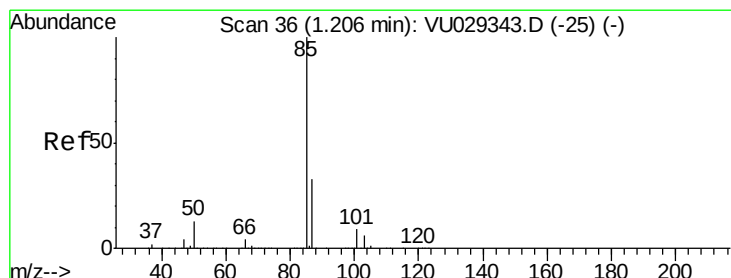
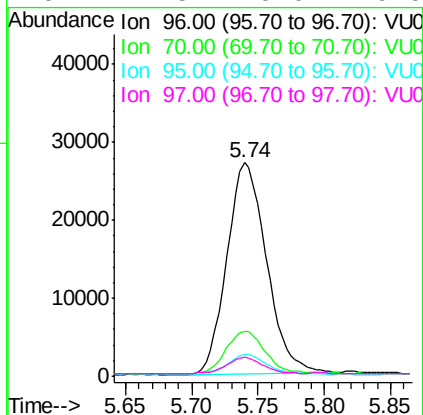
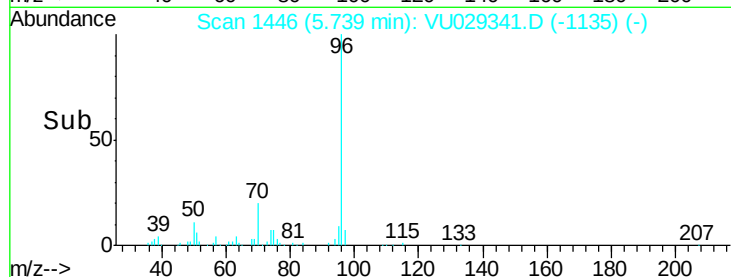
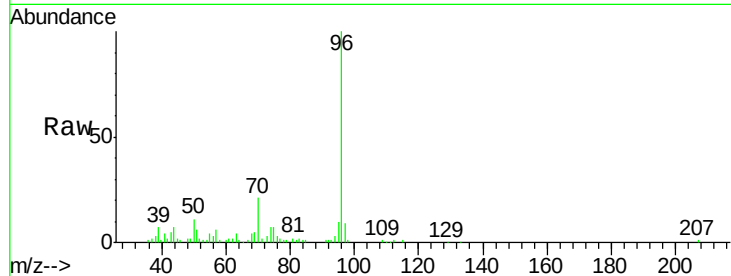
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	56103
Ion	Ratio	Lower	Upper
96	100		
70	19.9	16.2	24.2
95	9.1	7.4	11.2
97	7.5	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.897 ug/l

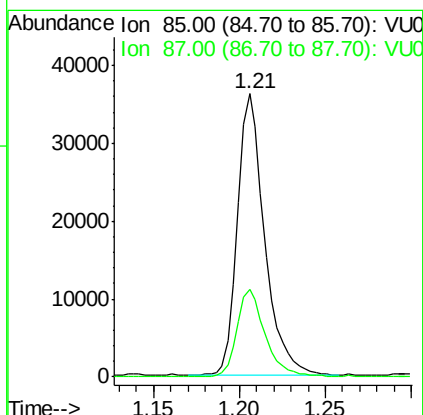
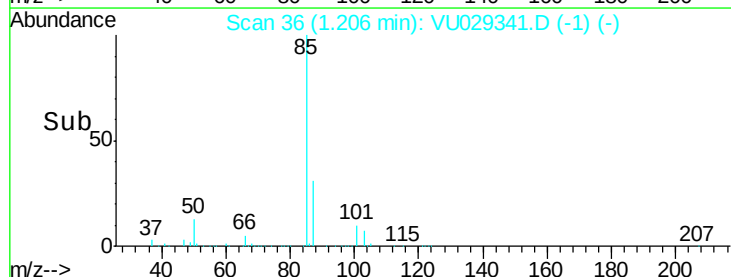
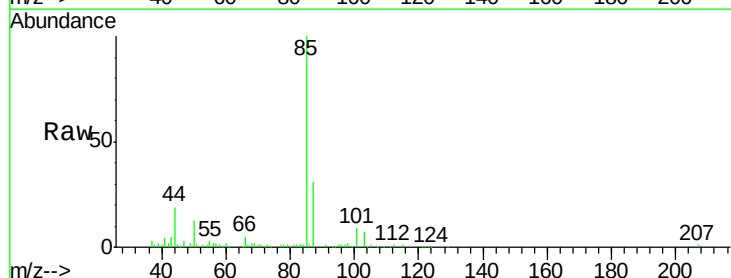
RT: 1.21 min Scan# 36

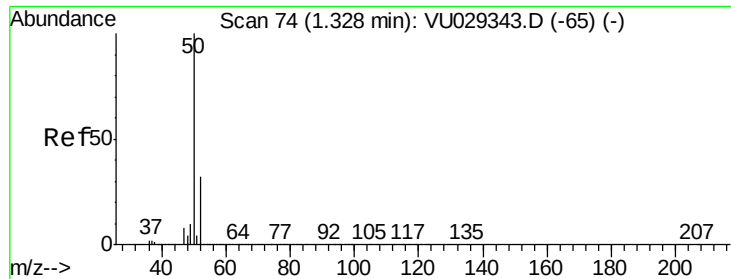
Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Tgt Ion:	85	Resp:	39724
Ion	Ratio	Lower	Upper
85	100		
87	31.2	15.9	47.6





#3

Chloromethane

Concen: 1.936 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 50 Resp: 37039

Ion Ratio Lower Upper

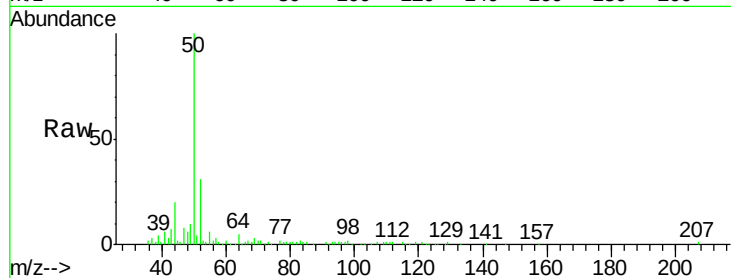
50 100

52 31.2 27.3 40.9

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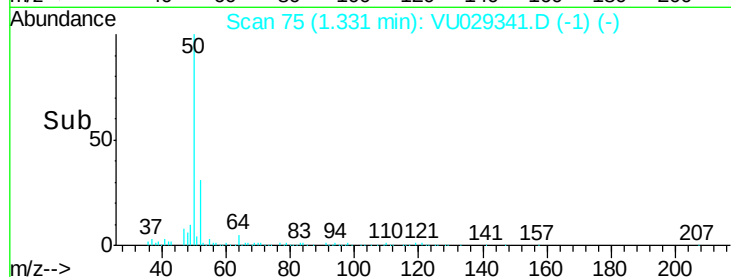


Abundance Ion 50.00 (49.70 to 50.70): VU0

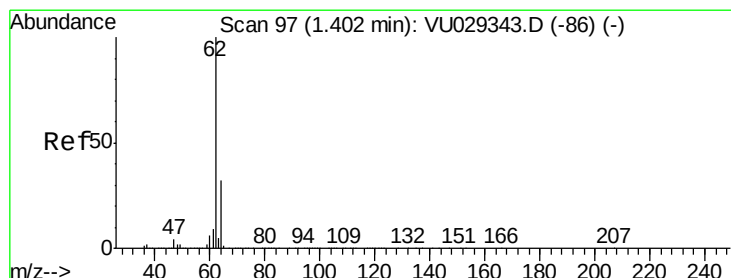
Ion 52.00 (51.70 to 52.70): VU0

1.33

Time-->



Time-->



#4

Vinyl Chloride

Concen: 1.902 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029341.D

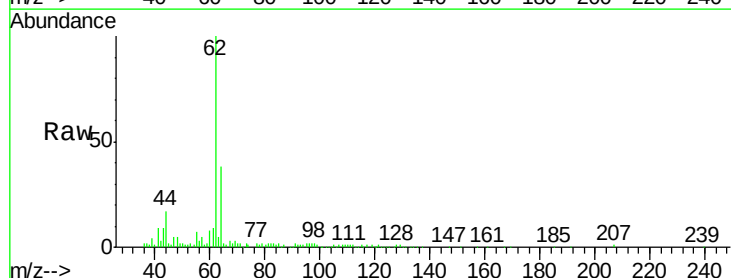
Acq: 05 Feb 2019 11:43

Tgt Ion: 62 Resp: 42652

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8

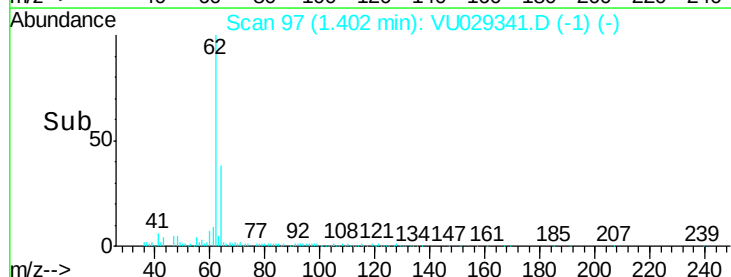


Abundance Ion 62.00 (61.70 to 62.70): VU0

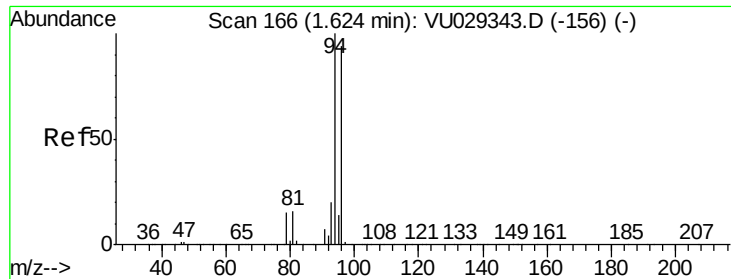
Ion 64.00 (63.70 to 64.70): VU0

1.40

Time-->



Time-->



#5

Bromomethane

Concen: 1.782 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 94 Resp: 22238

Ion Ratio Lower Upper

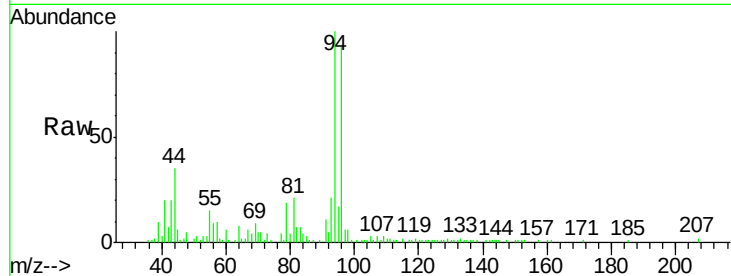
94 100

96 90.7 71.7 107.5

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

20000

15000

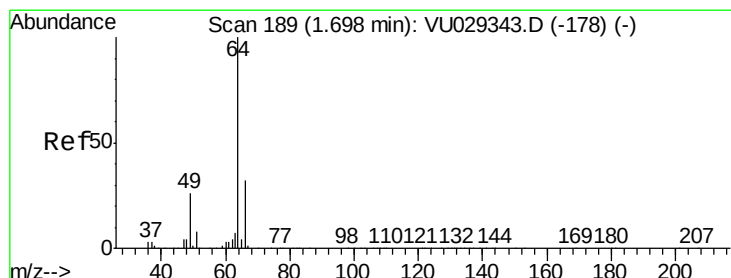
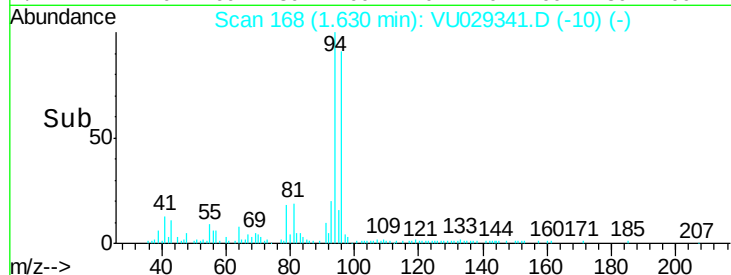
10000

5000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 1.955 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029341.D

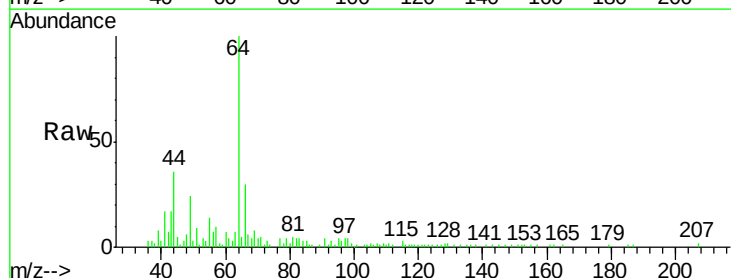
Acq: 05 Feb 2019 11:43

Tgt Ion: 64 Resp: 25620

Ion Ratio Lower Upper

64 100

66 30.0 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

25000

20000

15000

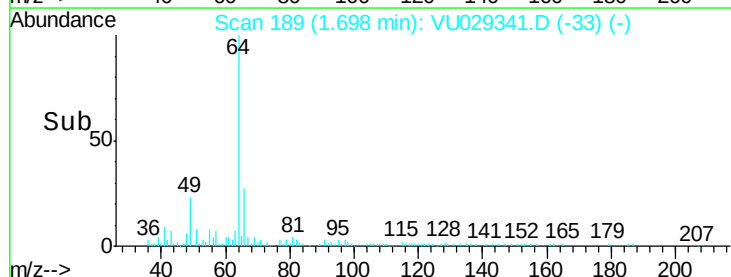
10000

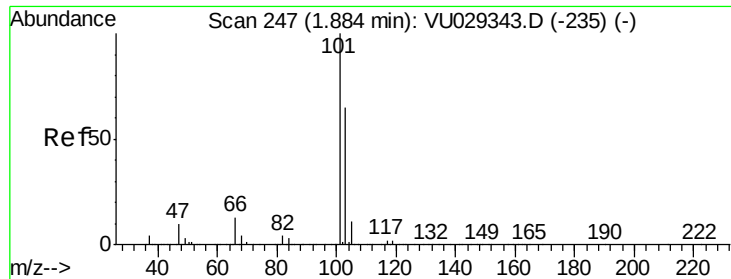
5000

0

1.65 1.70 1.75

Time-->





#7

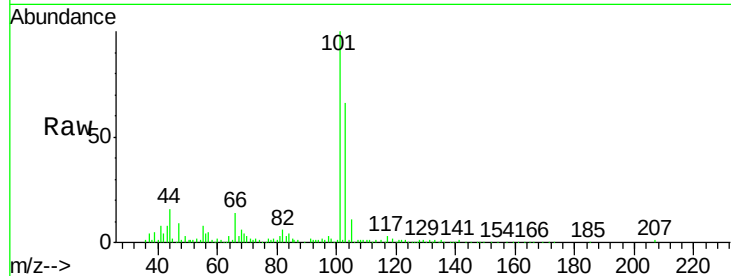
Trichlorofluoromethane
Concen: 1.900 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Instrument :
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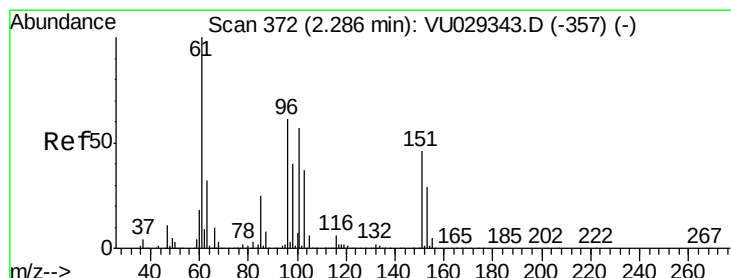
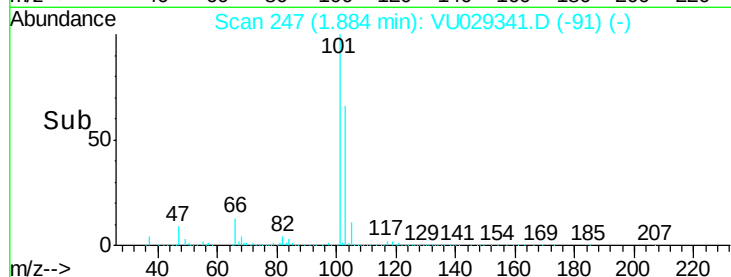
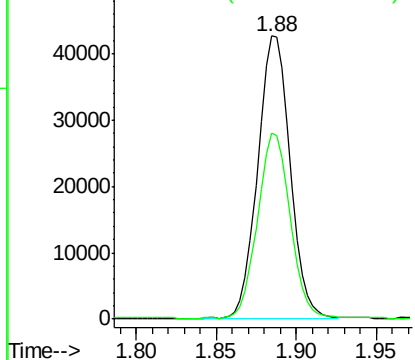
Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.9	80.9

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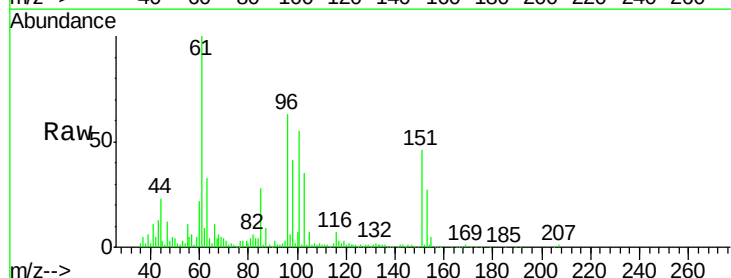
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



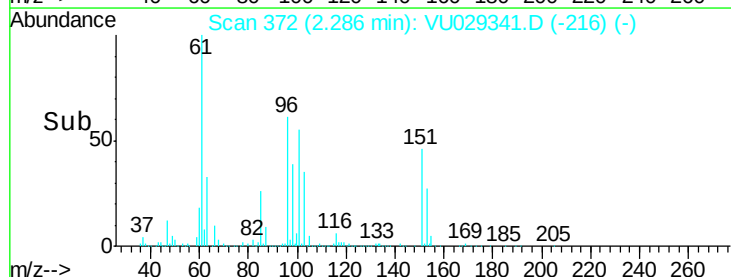
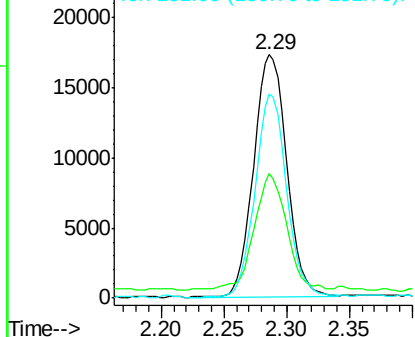
#8

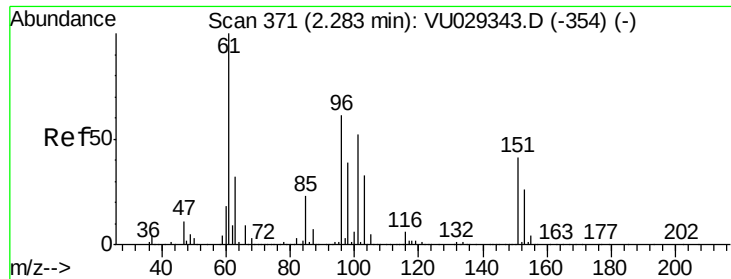
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.917 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU029341.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.6	40.3	60.5
151	79.9	58.1	87.1



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU0
Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.941 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

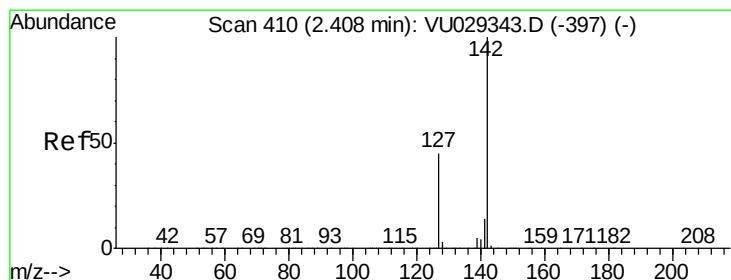
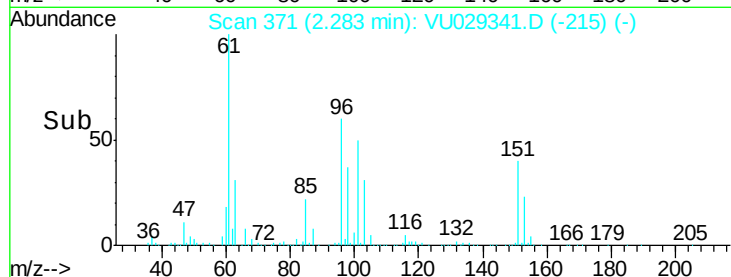
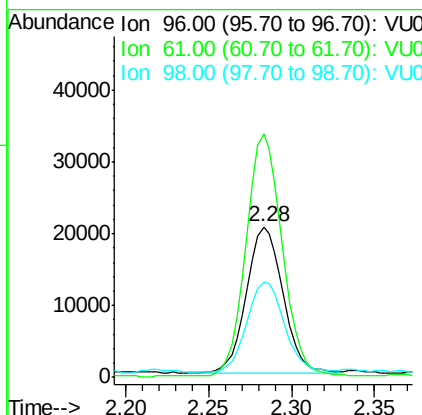
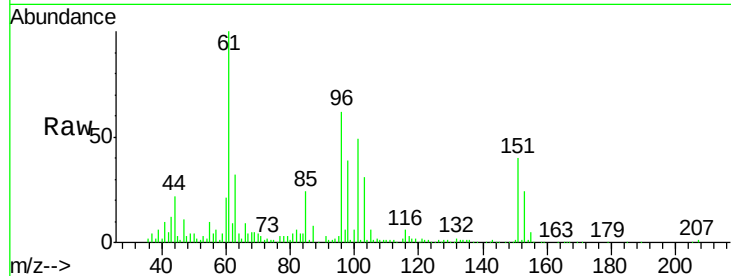
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	31413
Ion	Ratio	Lower	Upper
96	100		
61	164.9	0.0	641.4
98	61.1	0.0	122.6

Manual Integrations
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#10

Iodomethane

Concen: 1.962 ug/l

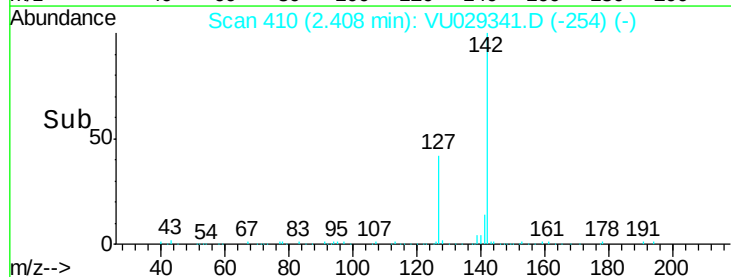
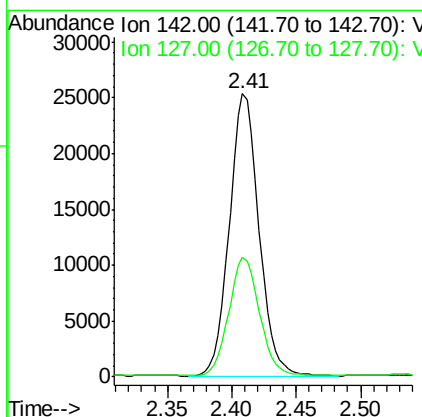
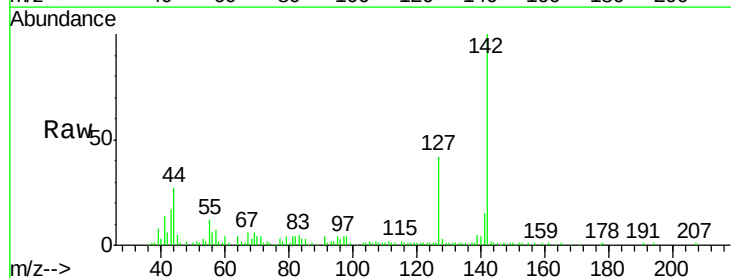
RT: 2.41 min Scan# 410

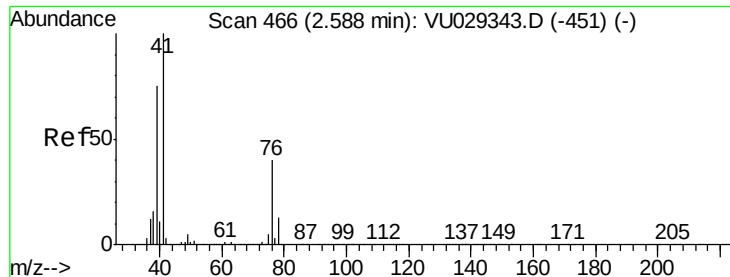
Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Tgt Ion:	142	Resp:	40744
Ion	Ratio	Lower	Upper
142	100		
127	42.5	47.6	71.4#





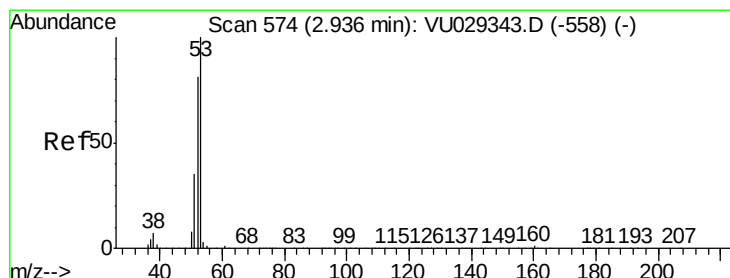
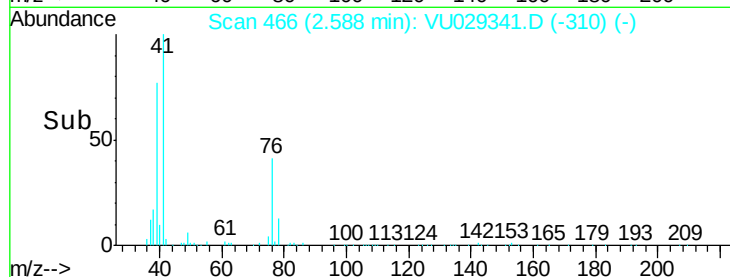
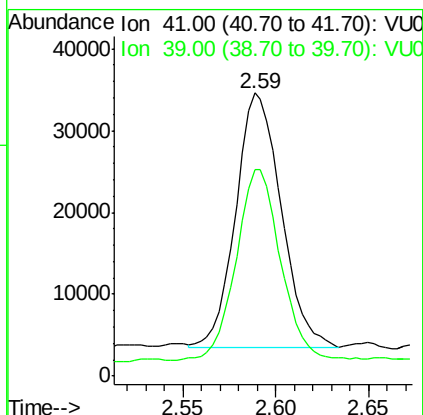
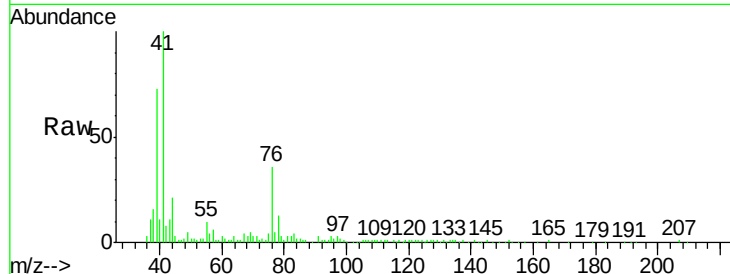
#11
Allvl Chloride
Concen: 1.941 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.7	67.2	100.8

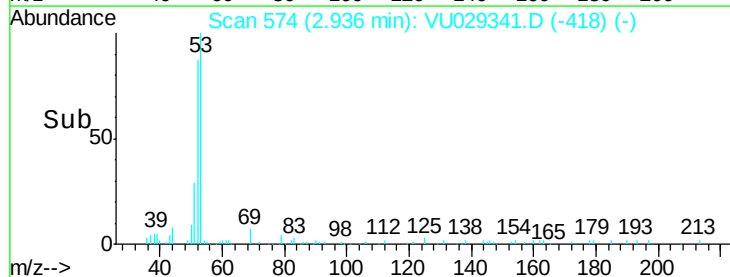
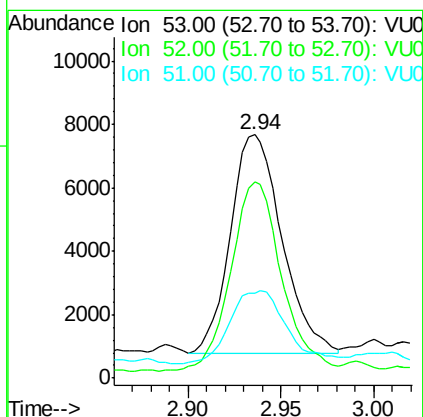
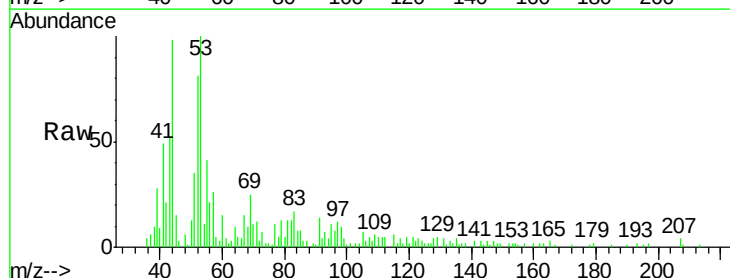
Manual Integrations
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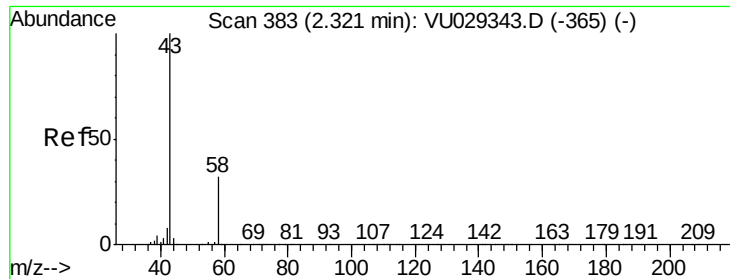
sam
2/8/2019 2:26:16 PM



#12
Acrylonitrile
Concen: 3.648 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
53	100		
52	85.4	67.6	101.4
51	37.6	31.0	46.4





#13

Acetone

Concen: 9.256 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 32205

Ion Ratio Lower Upper

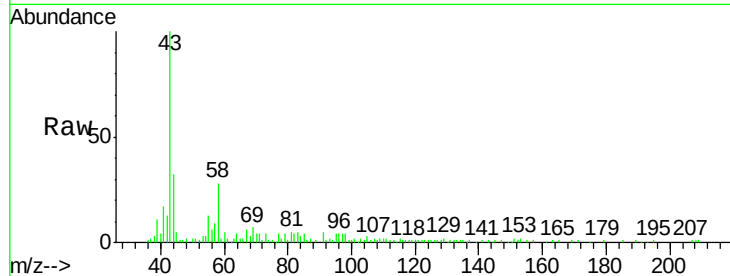
43 100

58 31.5 19.2 28.8#

Manual Integrations
APPROVED

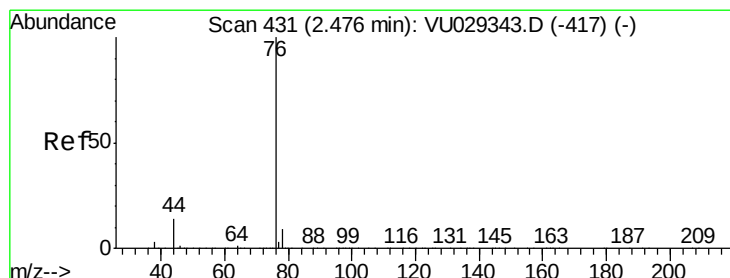
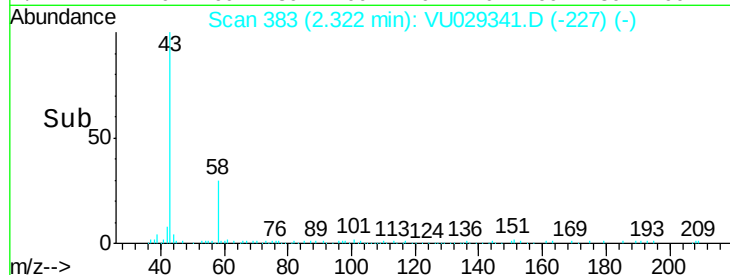
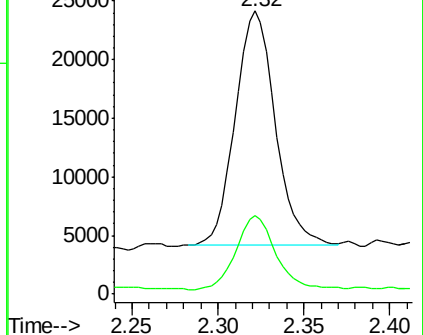
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 1.888 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029341.D

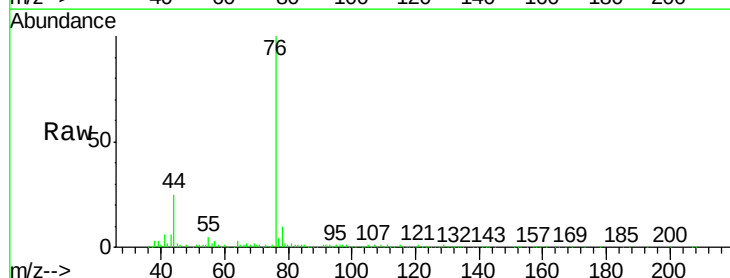
Acq: 05 Feb 2019 11:43

Tgt Ion: 76 Resp: 107878

Ion Ratio Lower Upper

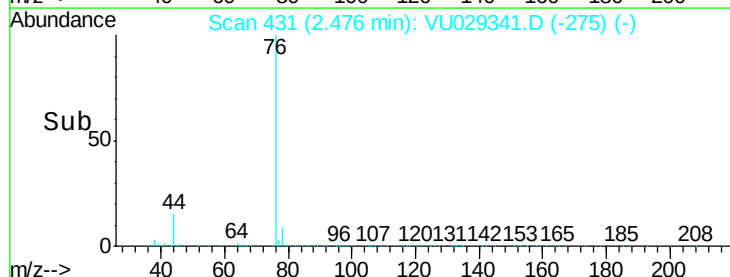
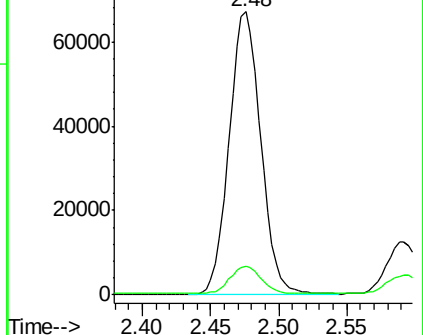
76 100

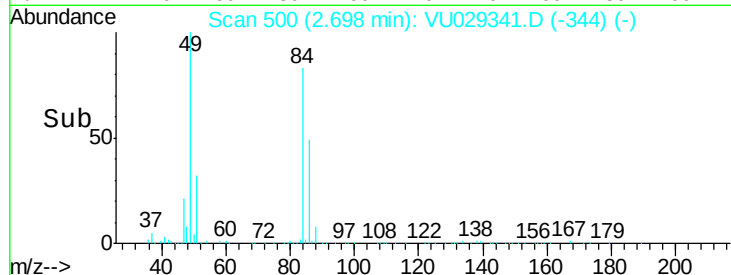
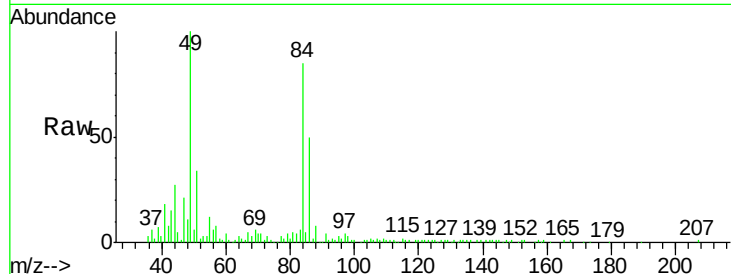
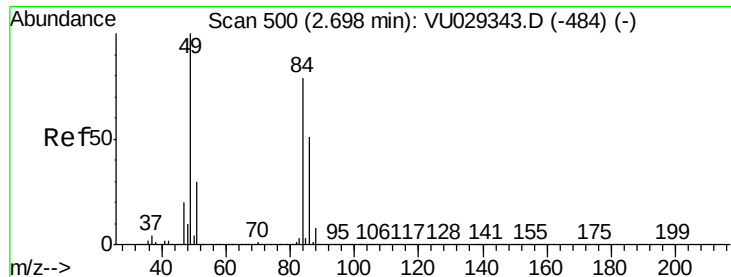
78 9.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





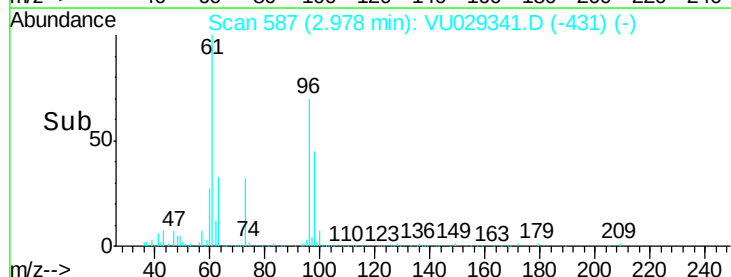
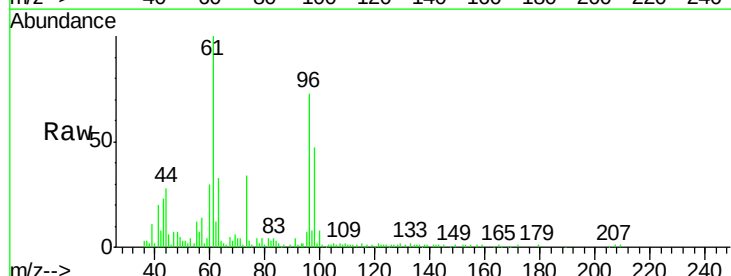
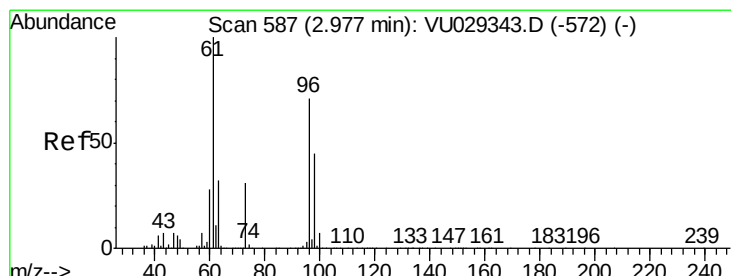
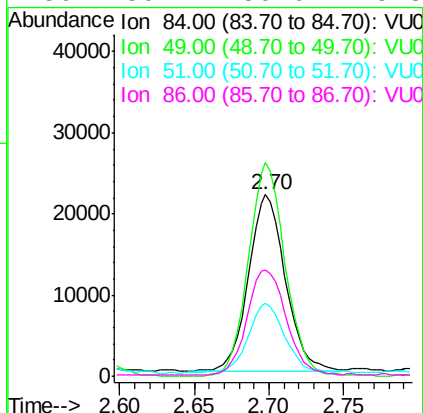
#15
Methylene Chloride
Concen: 1.888 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tot Ion	Ratio	Lower	Upper
84	100		
49	121.1	127.0	190.6#
51	39.0	0.0	93.4
86	59.4	50.6	75.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

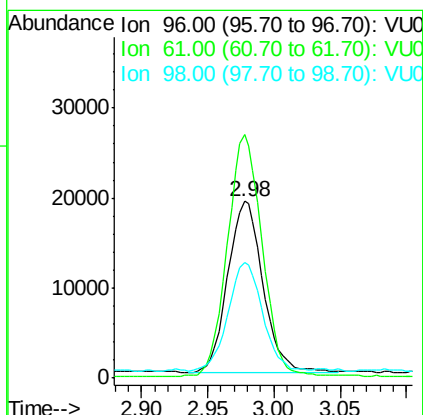
Manual Integrations
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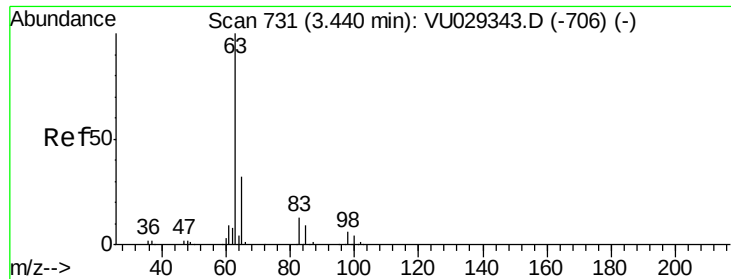
sam
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#16
trans-1,2-Dichloroethene
Concen: 1.955 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.7	140.6	210.8
98	63.3	49.3	73.9





#17

1,1-Dichloroethane

Concen: 1.868 ug/l

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

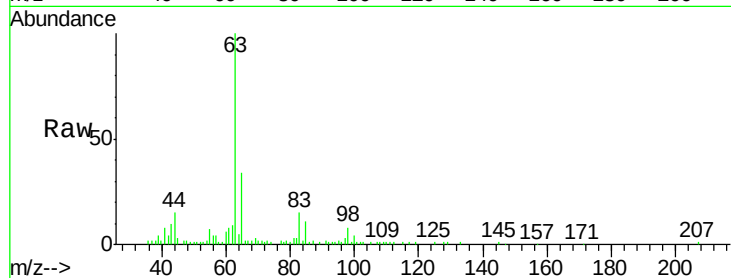
ClientSampleId :

VSTDIC002

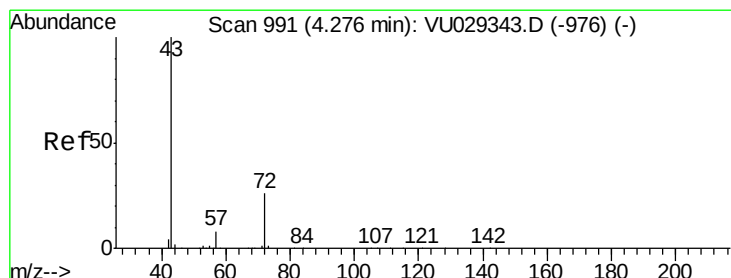
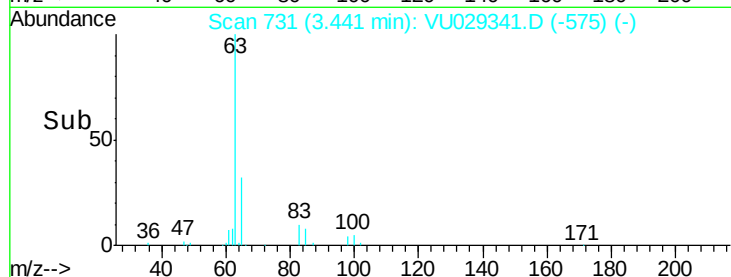
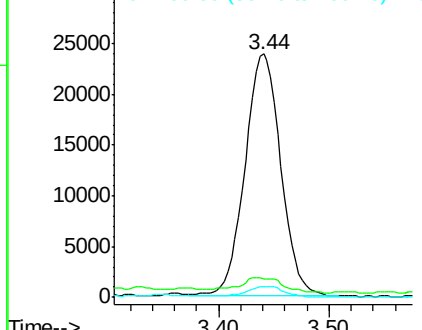
Tot Ion:	63	Resp:	53570
Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.8
100	4.5	1.7	5.1

Manual Integrations
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Abundance Ion 63.00 (62.70 to 63.70): VU029341.D (-575) (-)



#18

2-Butanone

Concen: 9.529 ug/l

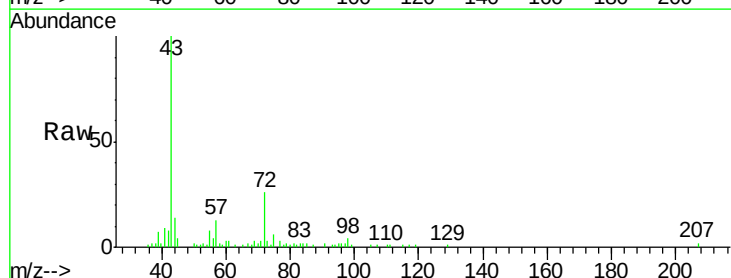
RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

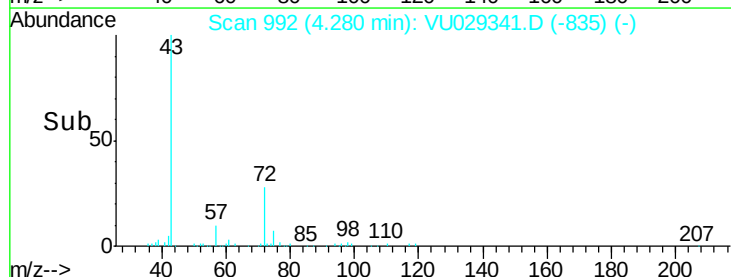
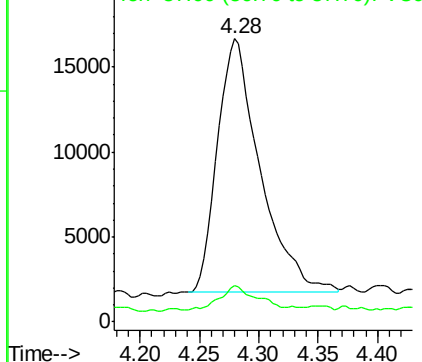
Lab File: VU029341.D

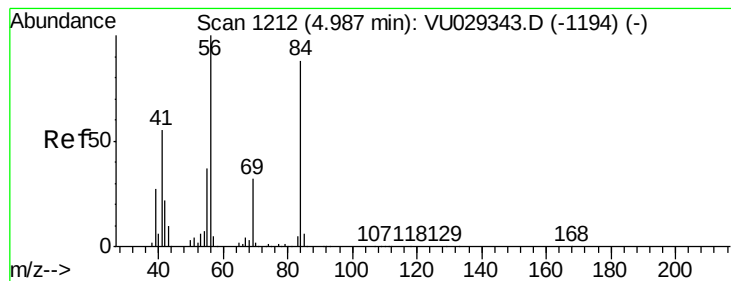
Acq: 05 Feb 2019 11:43

Tgt Ion:	43	Resp:	37231
Ion	Ratio	Lower	Upper
43	100		
57	9.8	0.0	15.8



Abundance Ion 43.00 (42.70 to 43.70): VU029341.D (-835) (-)





#19

Cyclohexane

Concen: 2.005 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

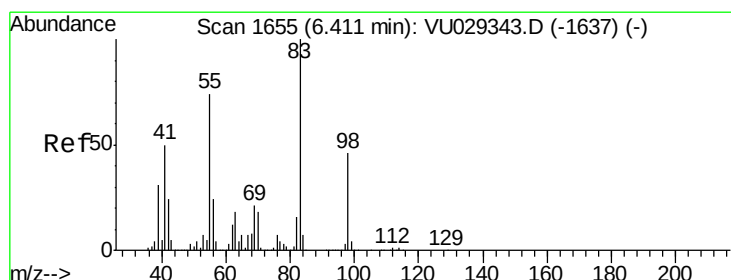
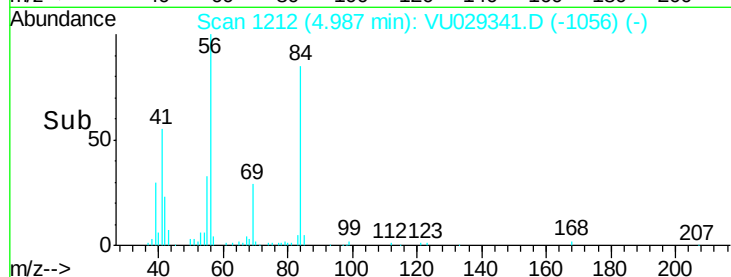
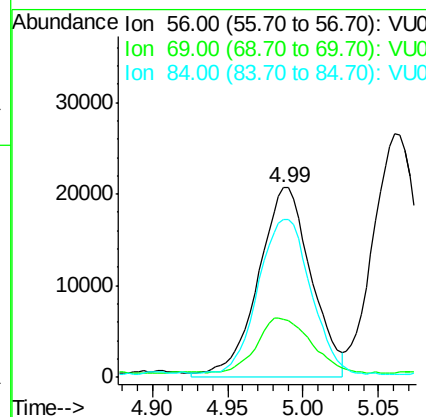
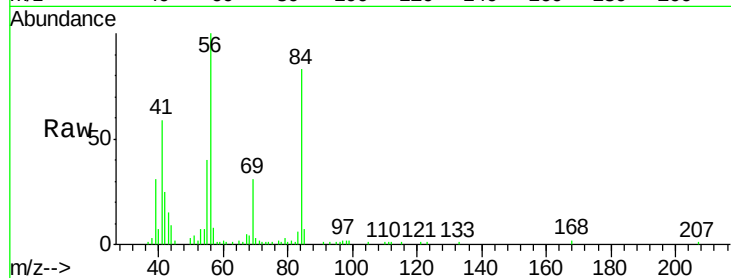
ClientSampleId :

VSTDIC002

Tot Ion:	56	Resp:	50702
Ion	Ratio	Lower	Upper
56	100		
69	29.1	26.8	40.2
84	80.0	71.5	107.3

Manual Integrations
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#20

Methylcyclohexane

Concen: 1.910 ug/l

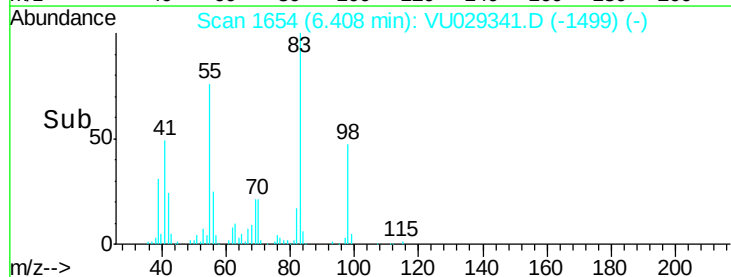
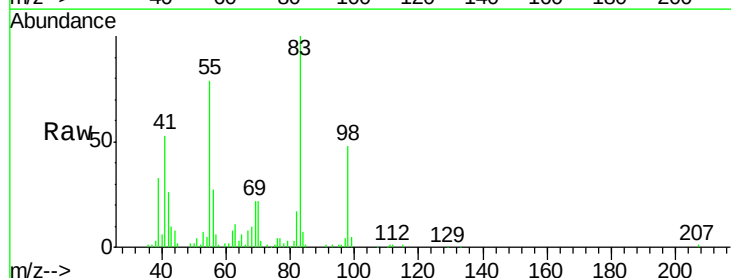
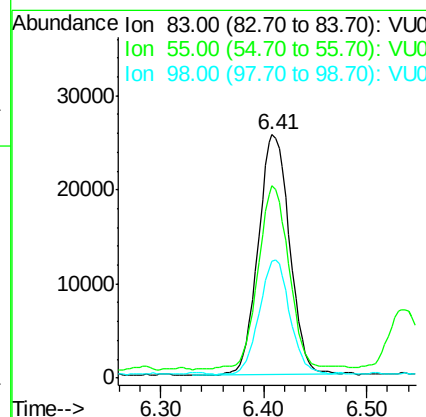
RT: 6.41 min Scan# 1654

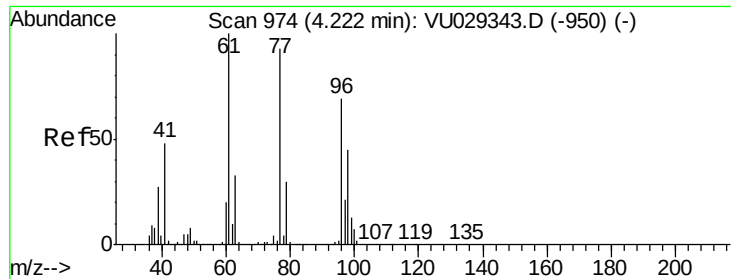
Delta R.T. -0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Tgt Ion:	83	Resp:	53346
Ion	Ratio	Lower	Upper
83	100		
55	73.7	72.4	108.6
98	46.6	36.6	54.8





#21

2,2-Dichloropropane

Concen: 1.965 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 77 Resp: 52157

Ion Ratio Lower Upper

77 100

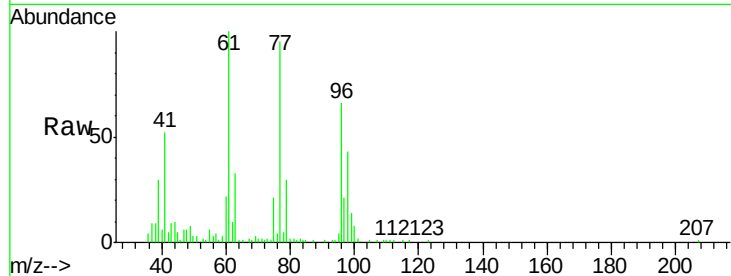
97 20.7 15.6 23.4

Manual Integrations

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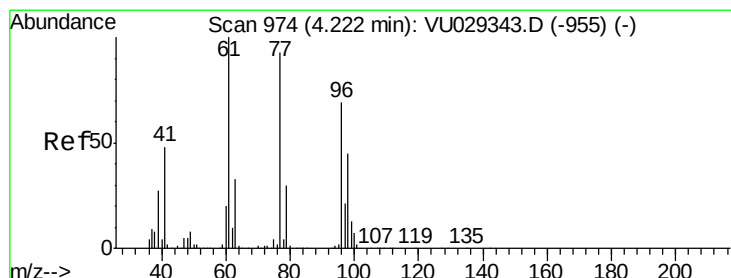
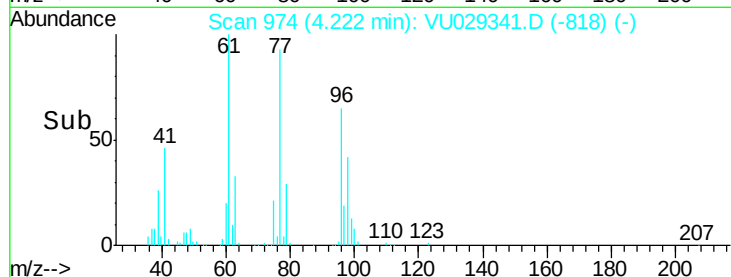
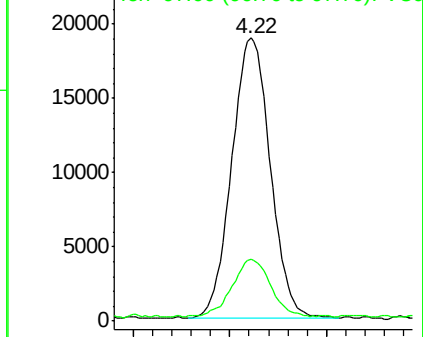
sam

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Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.889 ug/l

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

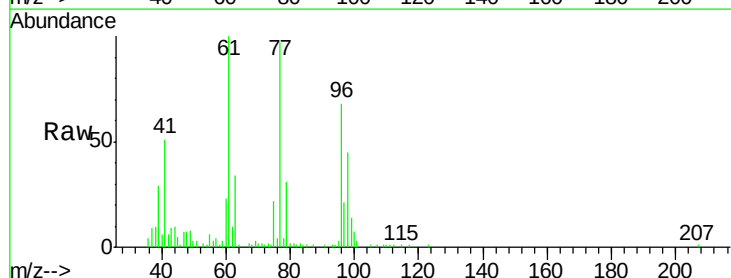
Tgt Ion: 96 Resp: 32212

Ion Ratio Lower Upper

96 100

61 153.4 0.0 460.0

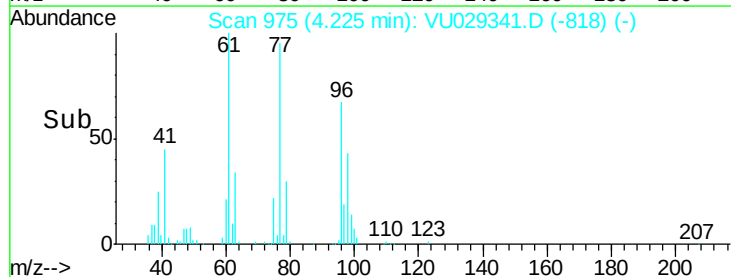
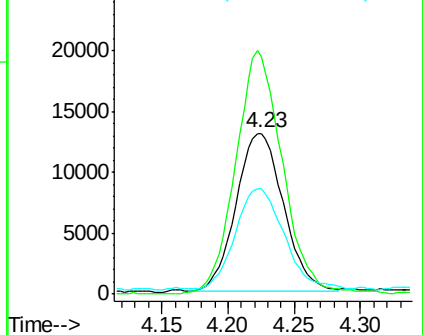
98 65.9 32.6 97.7

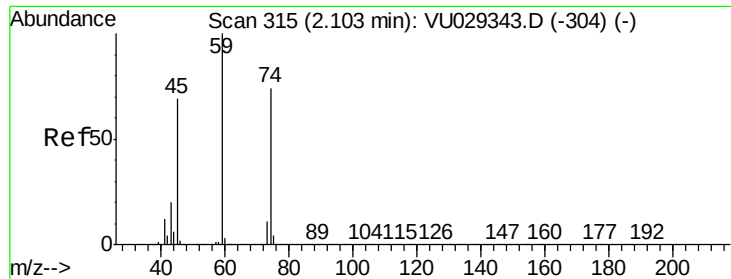


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





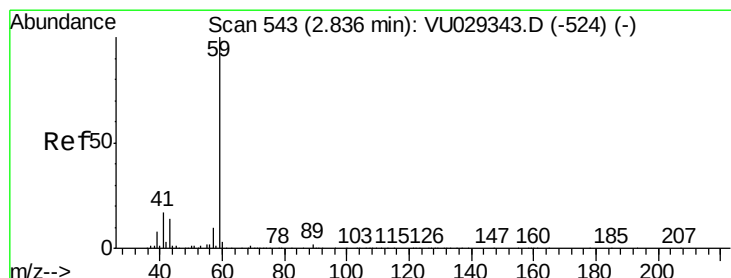
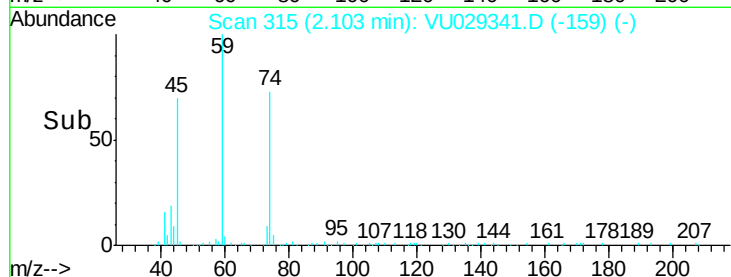
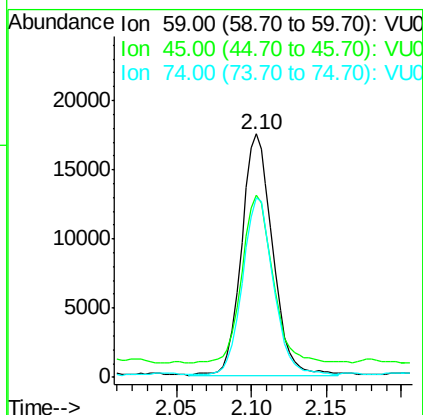
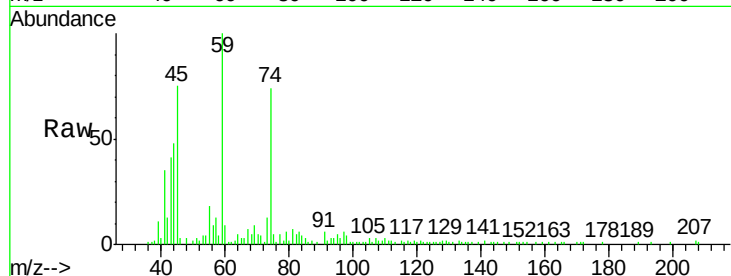
#23
Diethyl Ether
Concen: 1.930 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
45	69.5	64.2	96.4
74	72.7	55.3	82.9

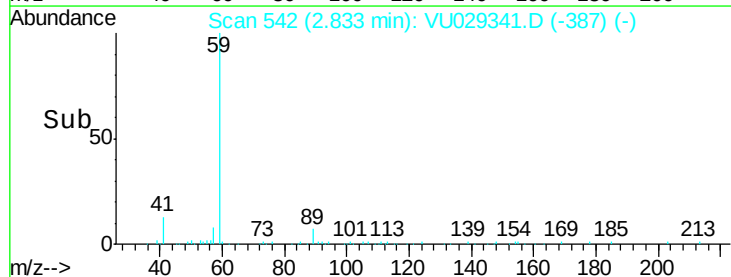
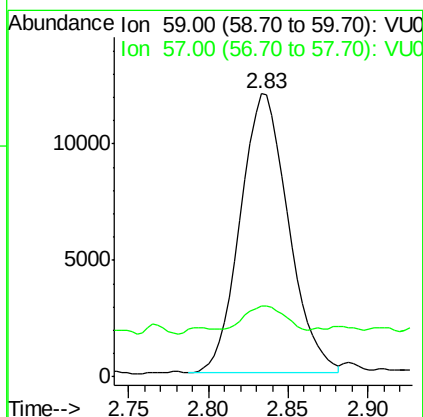
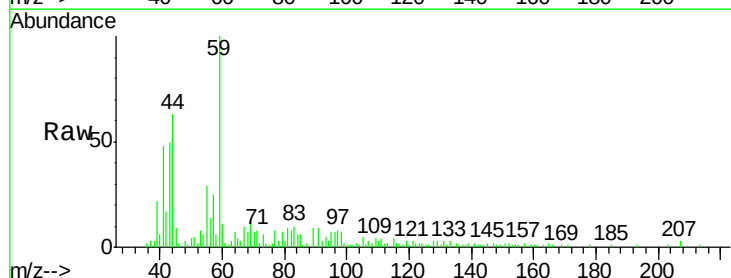
Manual Integrations
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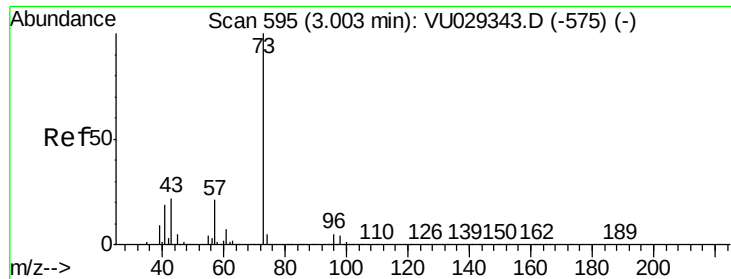
sam
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#24
tert-Butyl Alcohol
Concen: 18.385 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.2	8.8	13.2#





#25

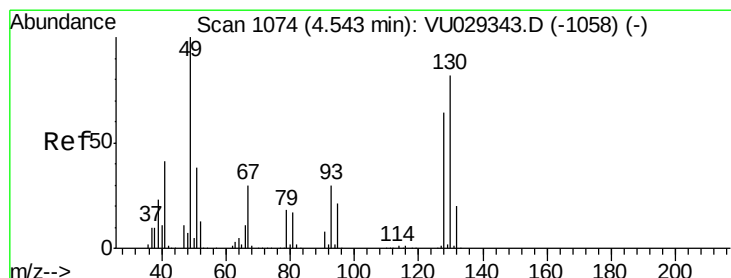
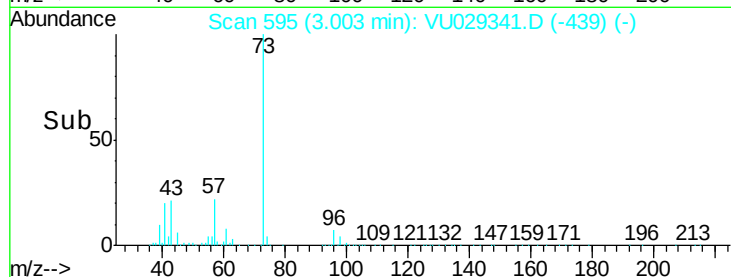
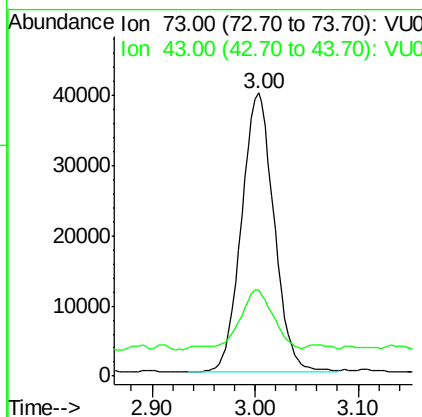
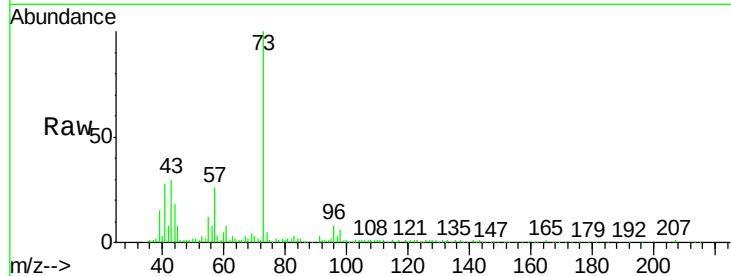
Methyl tert-Butyl Ether
 Concen: 1.921 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.4	22.1	33.1#

Manual Integrations
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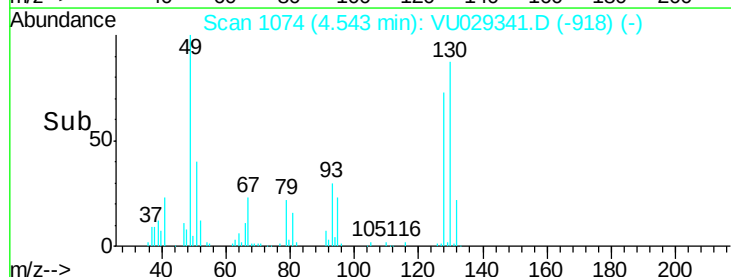
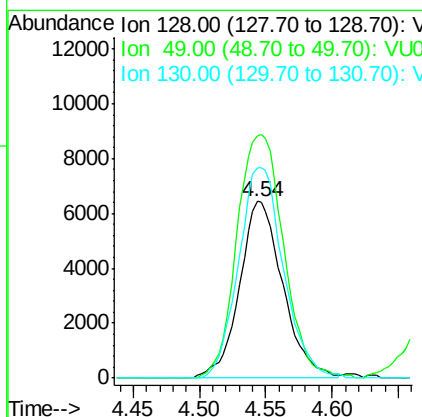
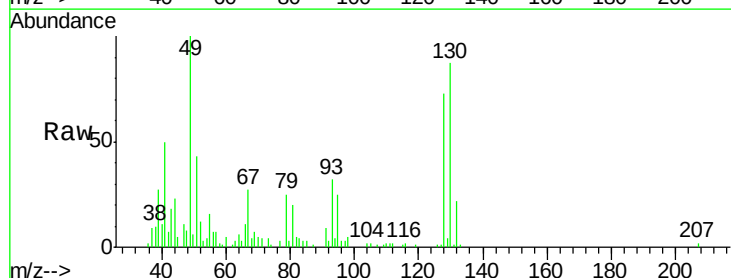
sam
 2/8/2019 2:26:16 PM

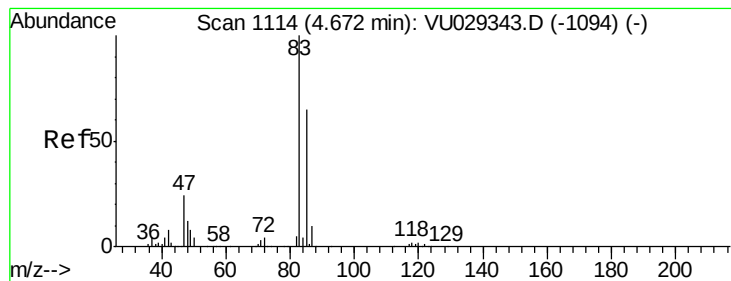


#26

Bromochloromethane
 Concen: 1.942 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
128	100		
49	149.0	0.0	401.6
130	124.0	108.0	162.0





#27

Chloroform

Concen: 1.895 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 83 Resp: 52852

Ion Ratio Lower Upper

83 100

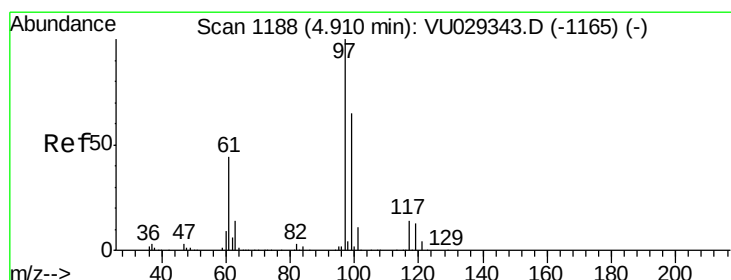
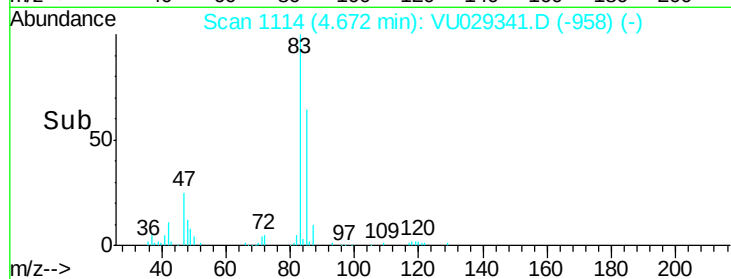
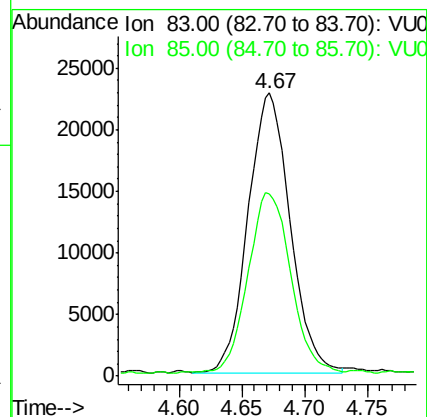
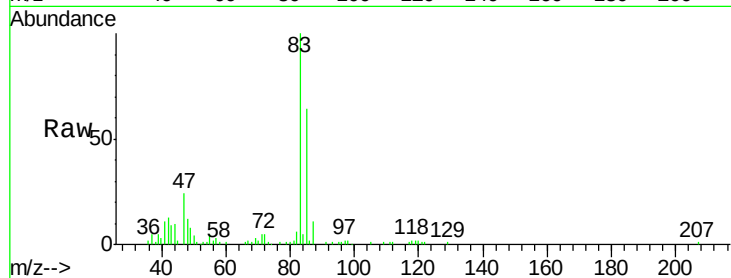
85 63.6 0.0 126.6

Manual Integrations

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#28

1,1,1-Trichloroethane

Concen: 1.935 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

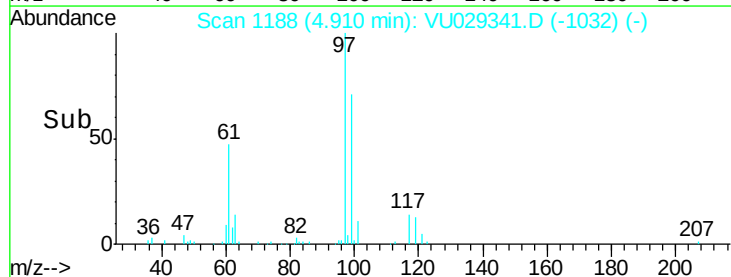
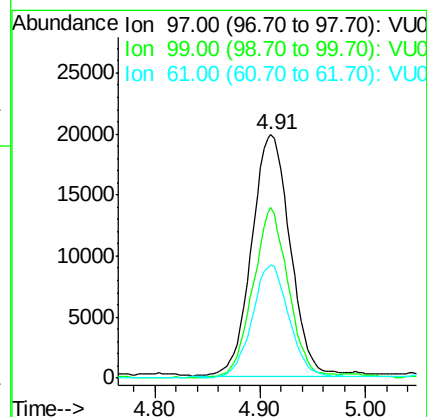
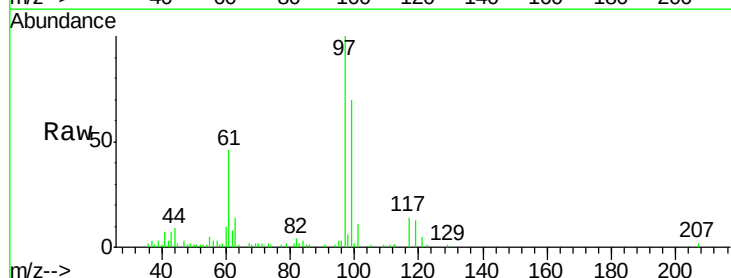
Tgt Ion: 97 Resp: 50015

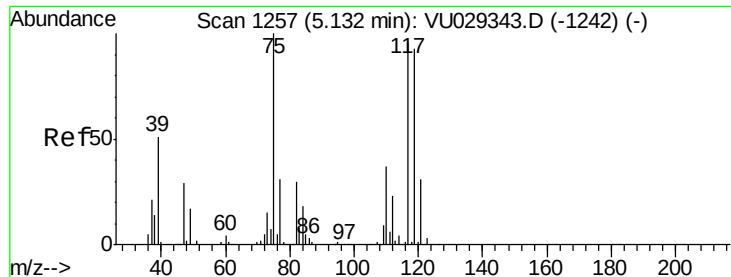
Ion Ratio Lower Upper

97 100

99 65.8 32.4 97.2

61 45.9 24.4 73.2





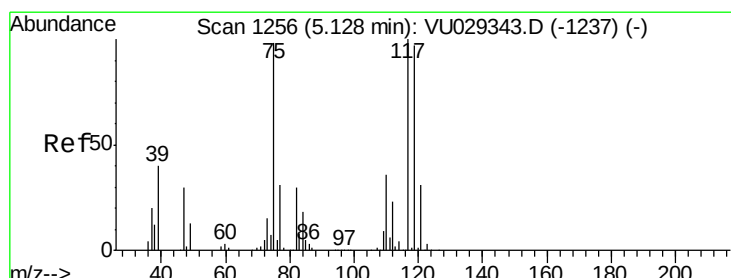
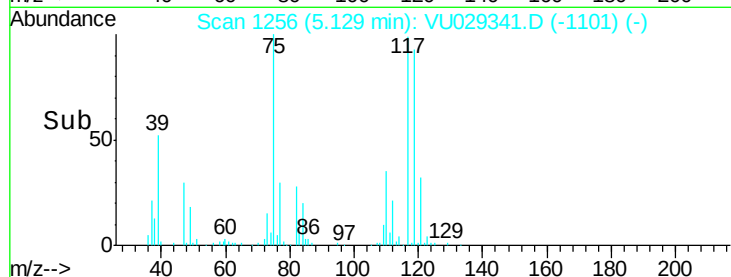
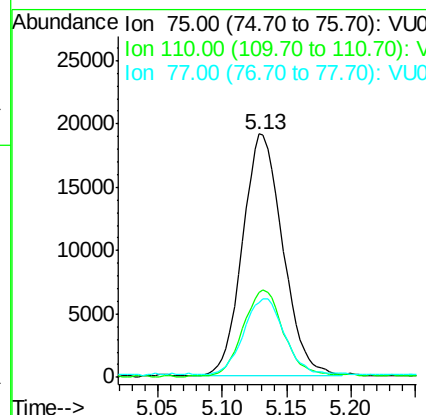
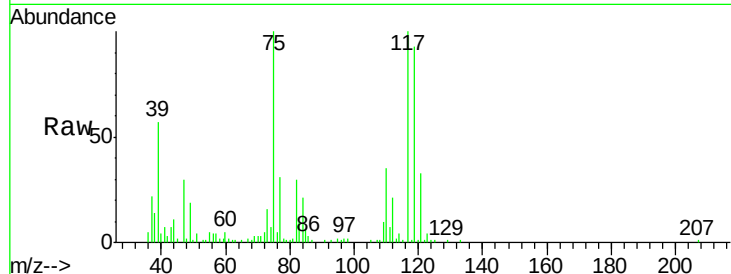
#29
 1,1-Dichloropropene
 Concen: 1.854 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.4	15.4	46.2
77	31.5	24.1	36.1

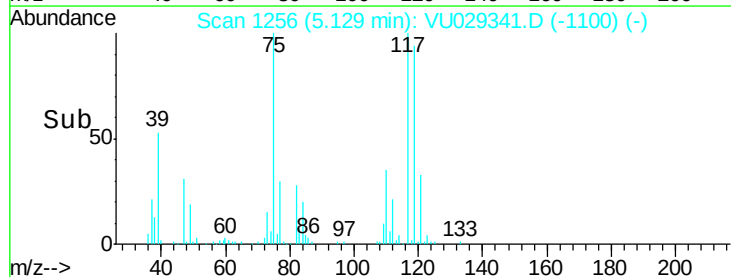
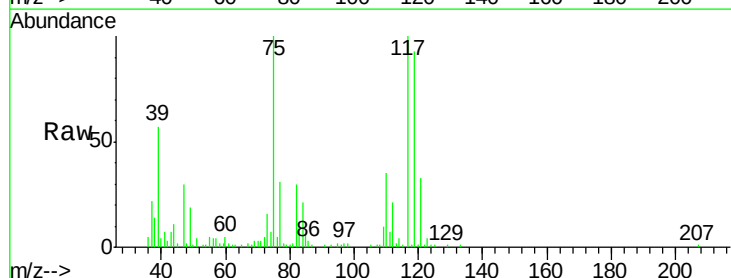
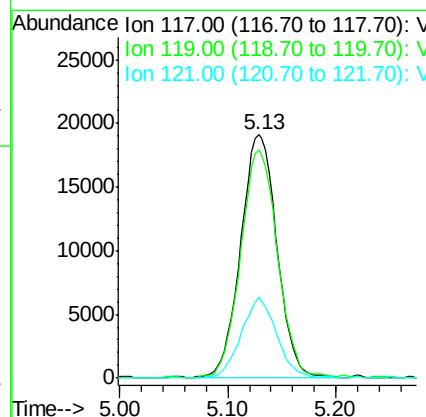
Manual Integrations
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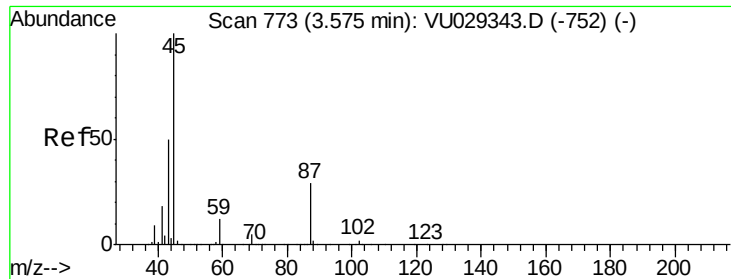
sam
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#30
 Carbon Tetrachloride
 Concen: 1.919 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.8	115.2
121	33.1	24.4	36.6





#31

Isopropyl Ether

Concen: 1.939 ug/l

RT: 3.58 min Scan# 774

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 83925

Ion Ratio Lower Upper

45 100

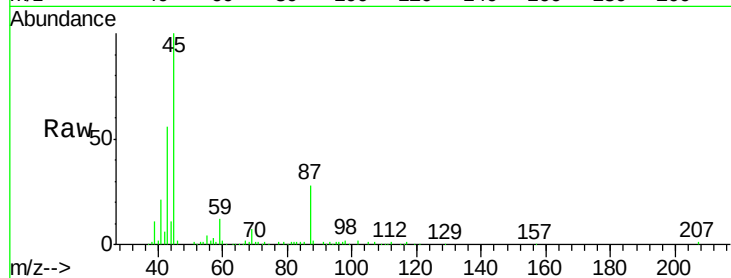
43 49.0 28.4 85.3

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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

3.58

30000

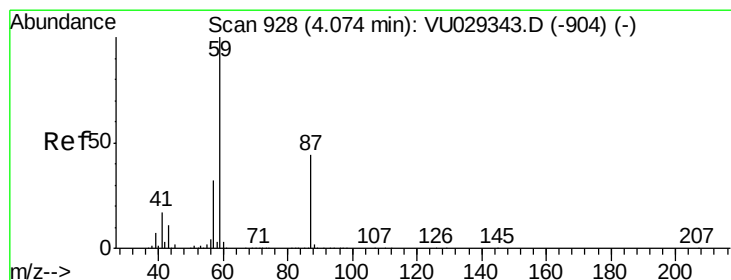
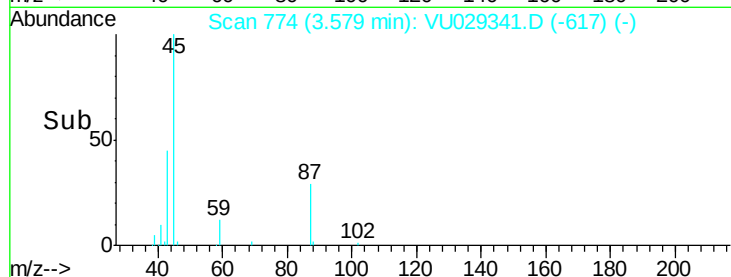
20000

10000

0

Time-->

3.50 3.60 3.70



#32

Ethyl-t-butyl ether

Concen: 1.939 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029341.D

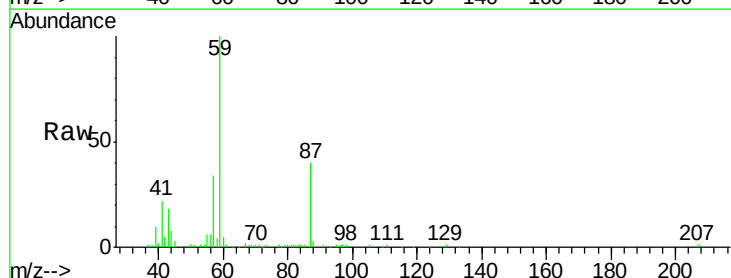
Acq: 05 Feb 2019 11:43

Tgt Ion: 59 Resp: 84092

Ion Ratio Lower Upper

59 100

87 41.0 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

4.07

30000

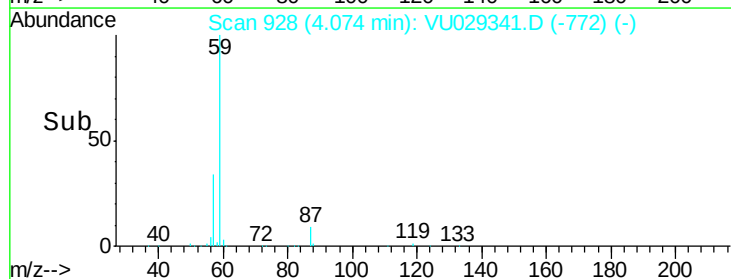
20000

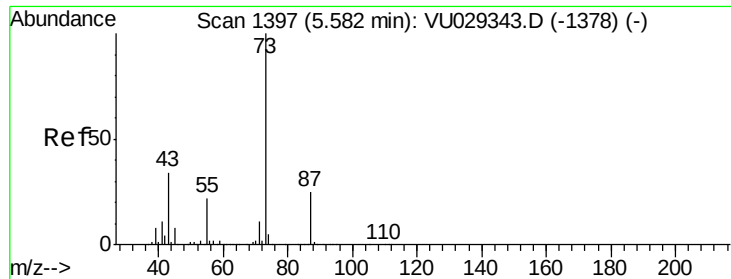
10000

0

Time-->

4.00 4.10 4.20





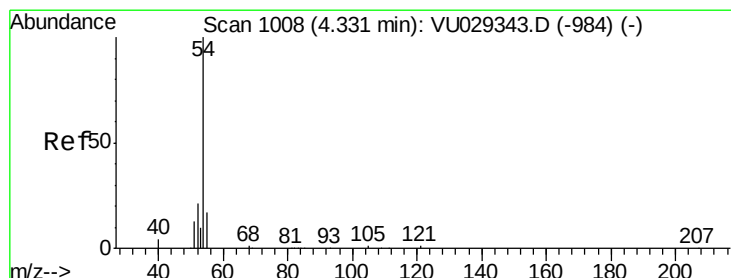
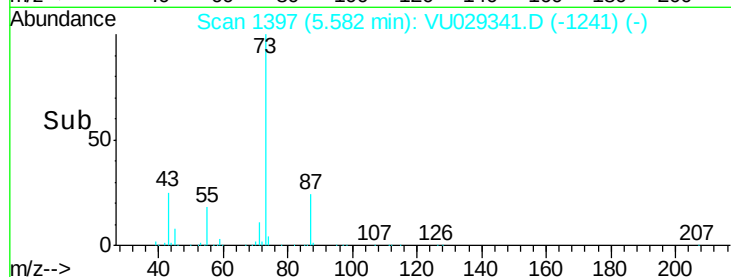
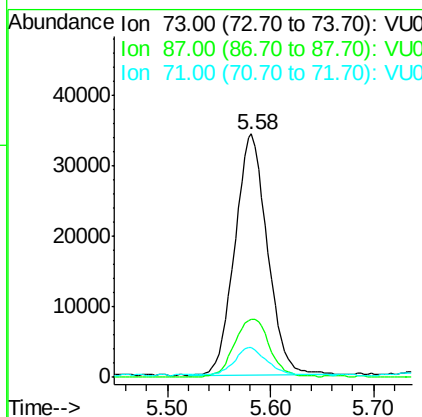
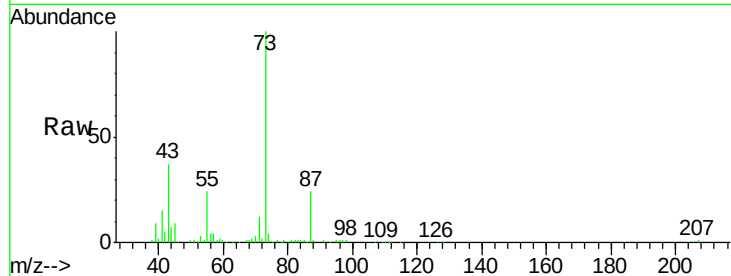
#33
Tert-Butyl methyl ether
Concen: 1.909 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
87	26.0	19.4	29.0
71	10.7	9.0	13.4

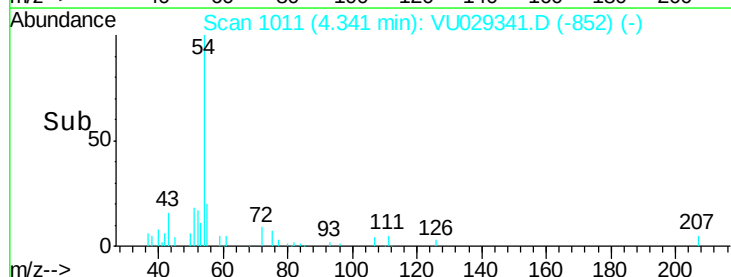
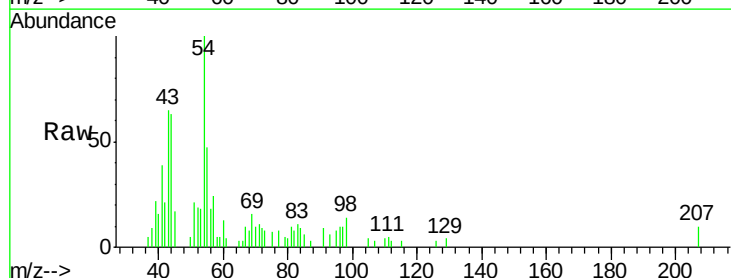
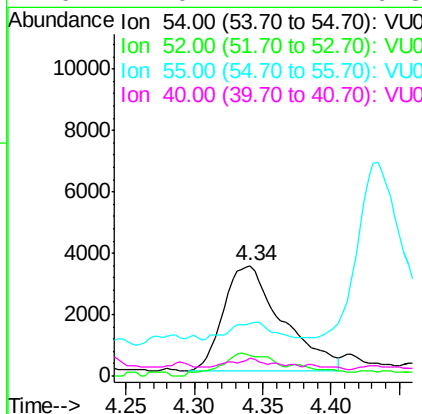
Manual Integrations
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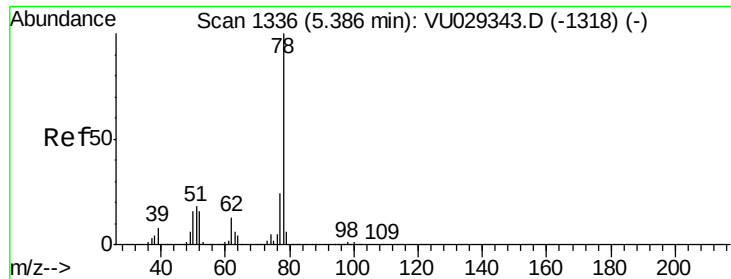
sam
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#34
Propionitrile
Concen: 10.437 ug/l
RT: 4.34 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.8	18.9	28.3#
55	15.8	15.1	22.7
40	4.0	7.2	10.8#





#35

Benzene

Concen: 1.882 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 78 Resp: 116808

Ion Ratio Lower Upper

78 100

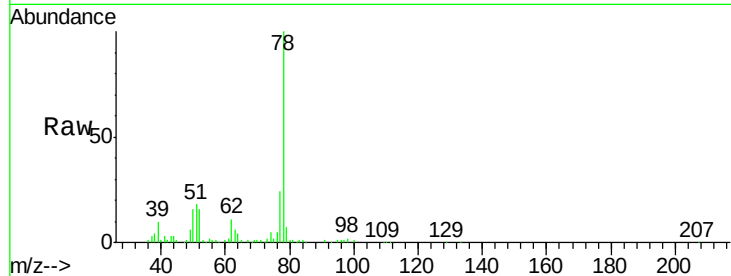
77 23.6 19.8 29.8

Manual Integrations

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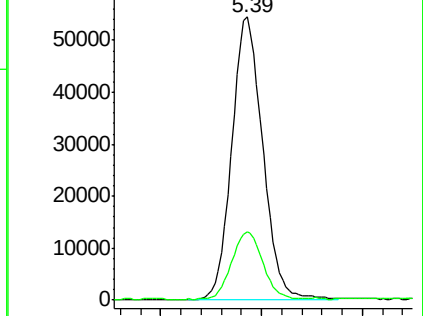
sam

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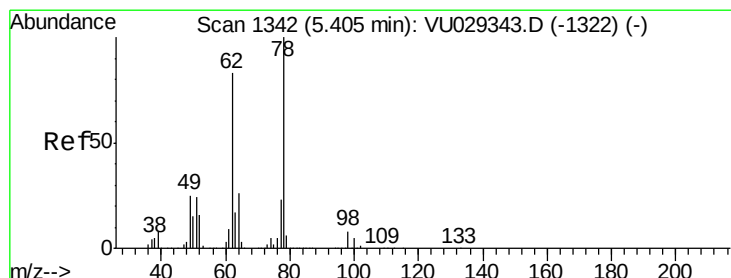
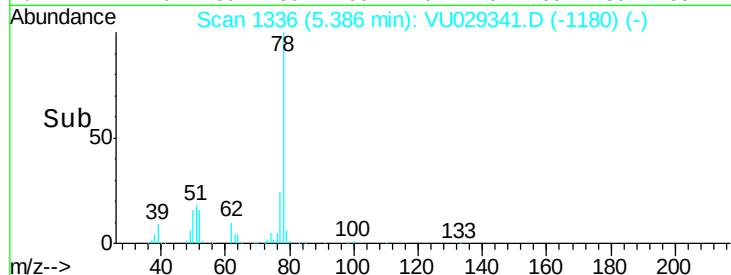


Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#36

1,2-Dichloroethane

Concen: 1.915 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029341.D

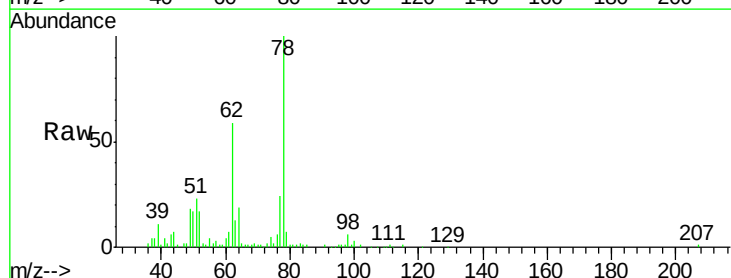
Acq: 05 Feb 2019 11:43

Tgt Ion: 62 Resp: 35943

Ion Ratio Lower Upper

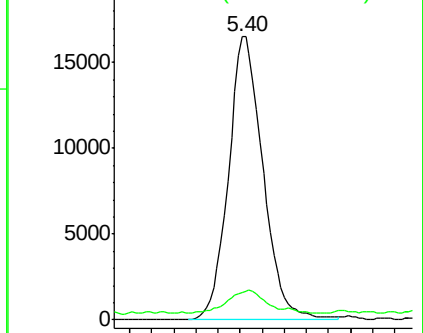
62 100

98 8.5 4.9 7.3#

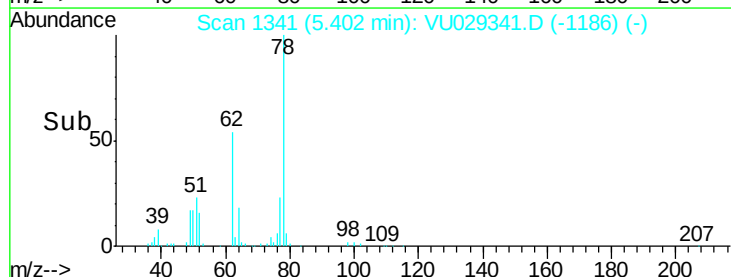


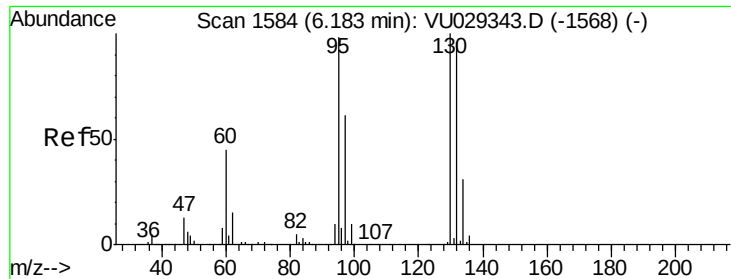
Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



Time-->





#37

Trichloroethene

Concen: 1.929 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:130 Resp: 34355

Ion Ratio Lower Upper

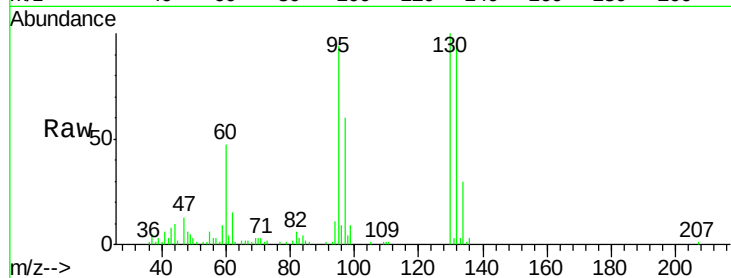
130 100

95 92.6 85.4 128.0

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Abundance Ion 129.90 (129.60 to 130.60): VU029341.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029341.D (-1568) (-)

6.18

20000

15000

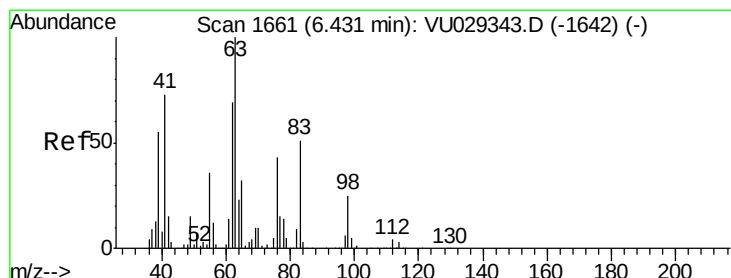
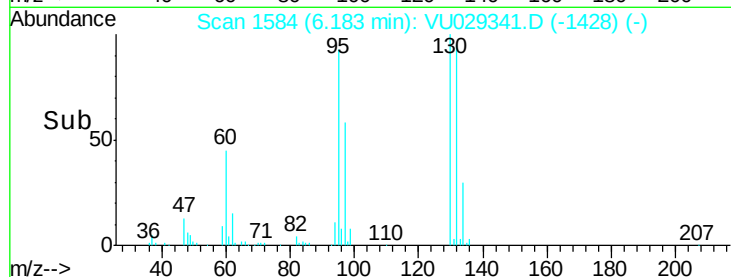
10000

5000

0

6.10 6.15 6.20 6.25

Time-->



#38

1,2-Dichloropropane

Concen: 1.861 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029341.D

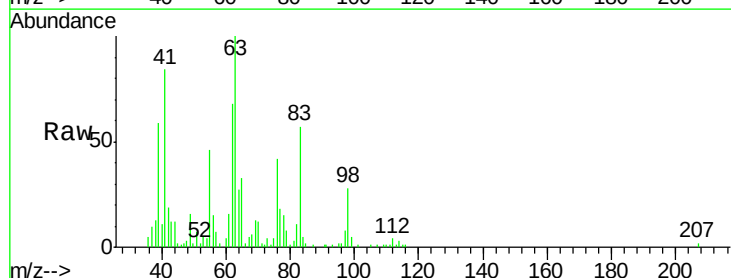
Acq: 05 Feb 2019 11:43

Tgt Ion: 63 Resp: 30049

Ion Ratio Lower Upper

63 100

65 32.2 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029341.D (-1505) (-)

Ion 65.00 (64.70 to 65.70): VU029341.D (-1505) (-)

6.43

15000

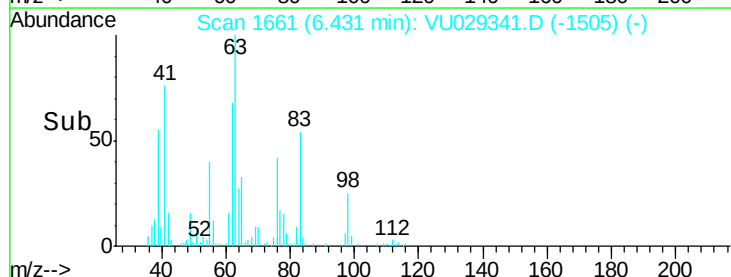
10000

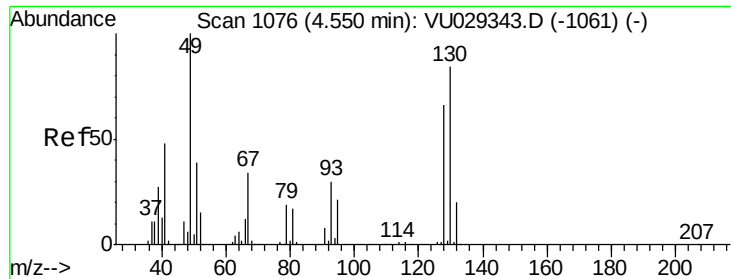
5000

0

6.35 6.40 6.45 6.50

Time-->





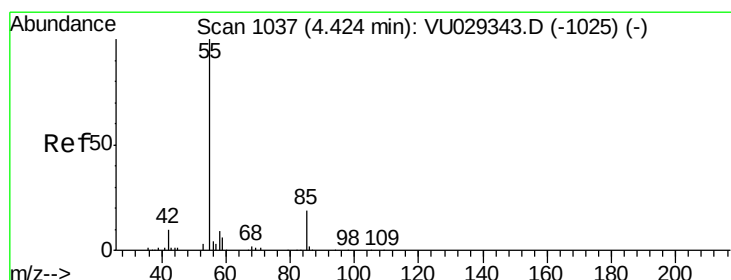
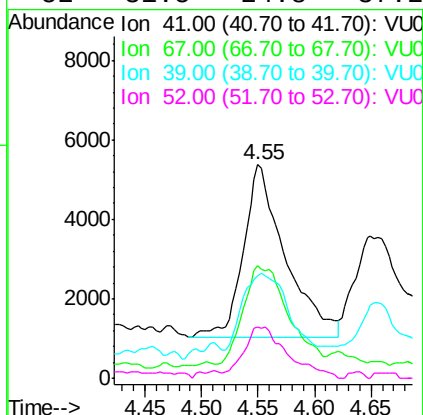
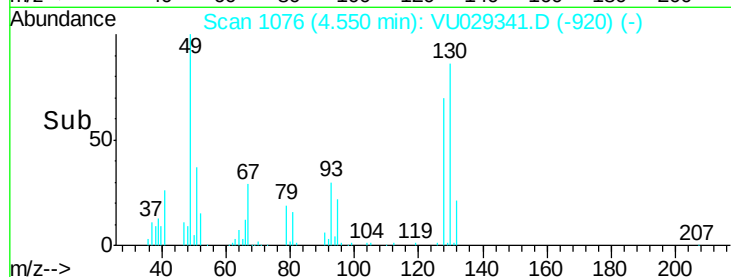
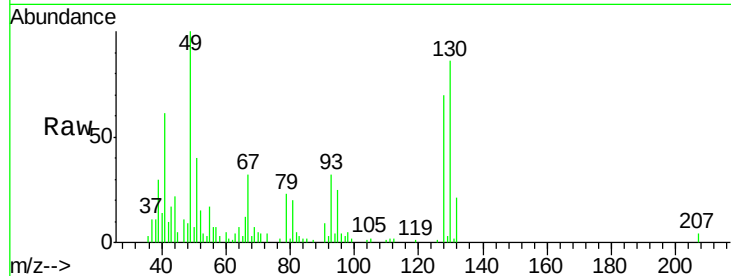
#39
Methacrylonitrile
Concen: 2.117 ug/l
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
67	60.8	50.1	75.1	
39	46.8	47.9	71.9	#
52	31.5	24.8	37.2	

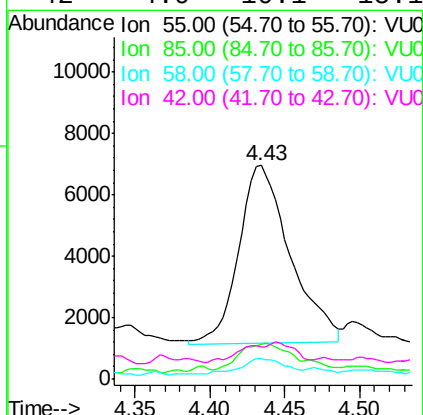
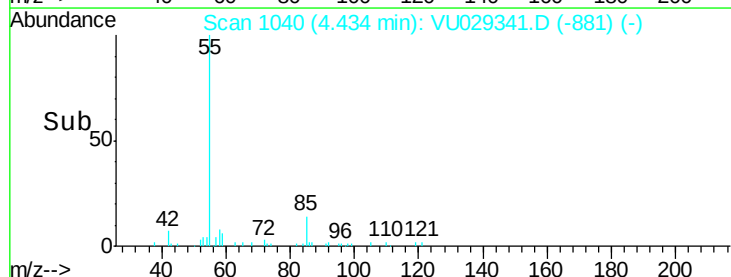
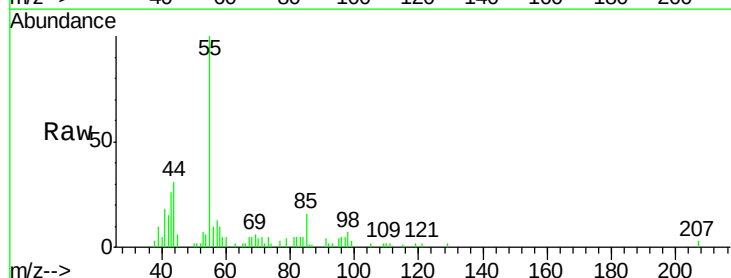
Manual Integrations
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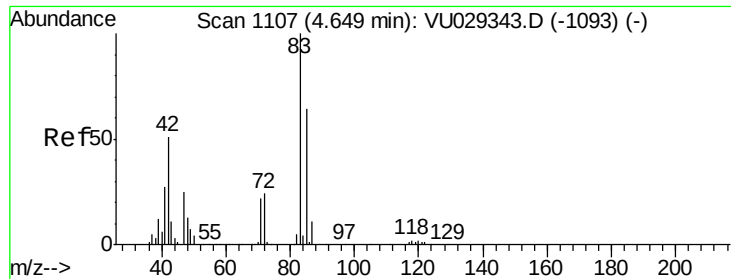
sam
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#40
Methyl acrylate
Concen: 1.740 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tgt Ion	Ion	Ratio	Lower	Upper
55	100			
85	14.4	11.3	16.9	
58	9.0	6.2	9.4	
42	4.9	10.1	15.1	#





#41

Tetrahydrofuran

Concen: 3.955 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

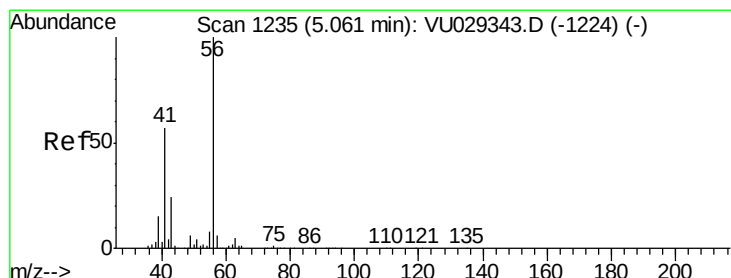
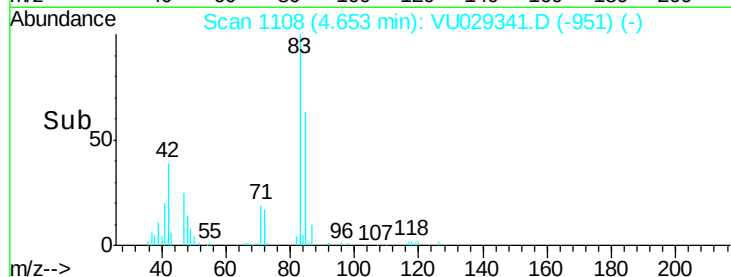
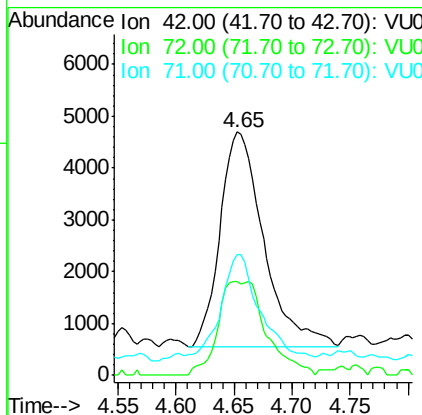
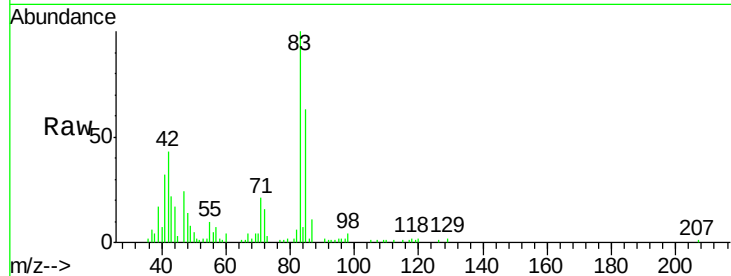
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	10873
Ion	Ratio	Lower	Upper
42	100		
72	23.9	33.1	49.7#
71	42.7	30.2	45.2

Manual Integrations
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#42

1-Chlorobutane

Concen: 1.886 ug/l

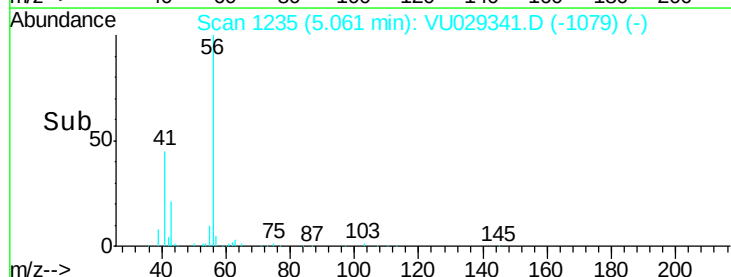
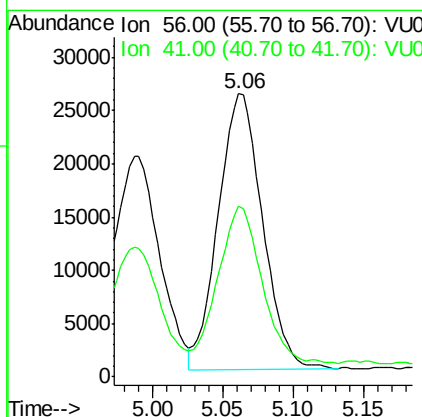
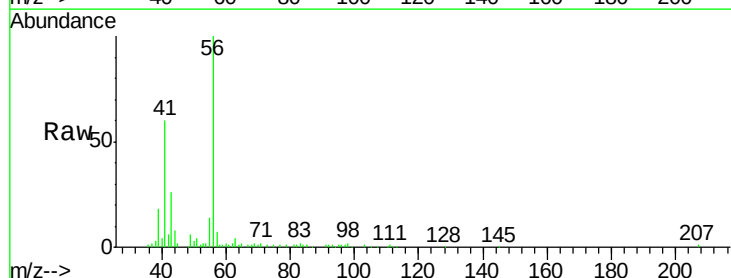
RT: 5.06 min Scan# 1235

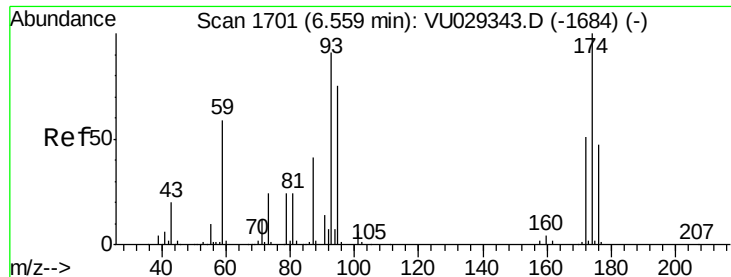
Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Tgt Ion:	56	Resp:	56706
Ion	Ratio	Lower	Upper
56	100		
41	56.2	31.3	93.8





#43

Dibromomethane

Concen: 1.893 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

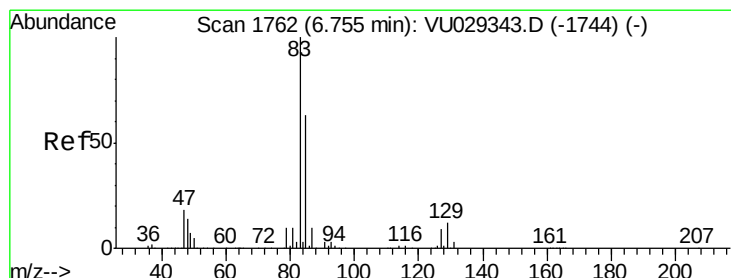
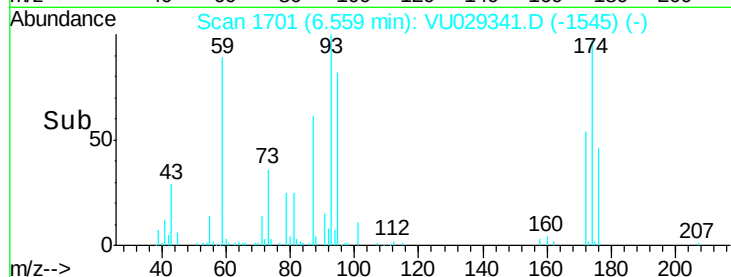
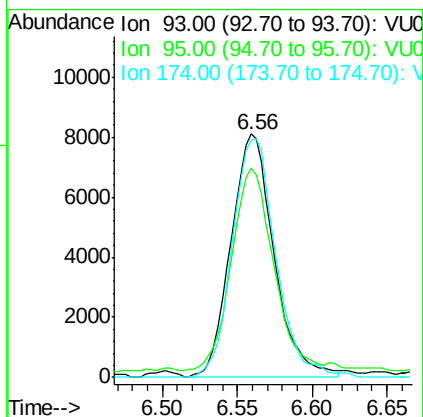
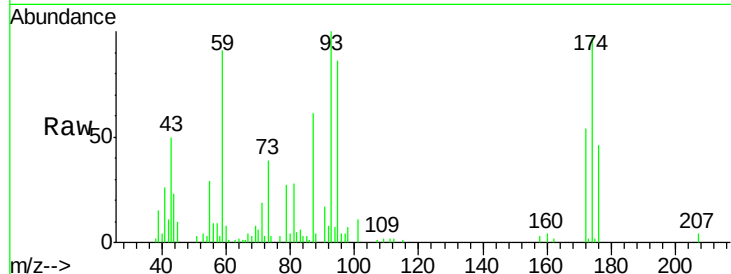
ClientSampleId :

VSTDIC002

Tot Ion:	93	Resp:	16284
Ion	Ratio	Lower	Upper
93	100		
95	80.3	68.2	102.2
174	99.1	77.6	116.4

Manual Integrations
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#44

Bromodichloromethane

Concen: 1.927 ug/l

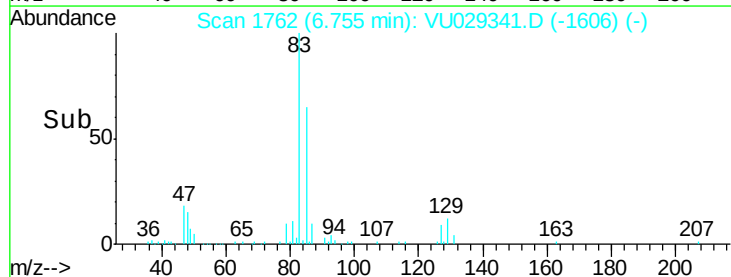
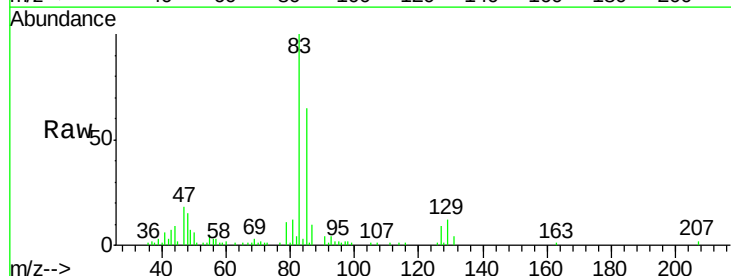
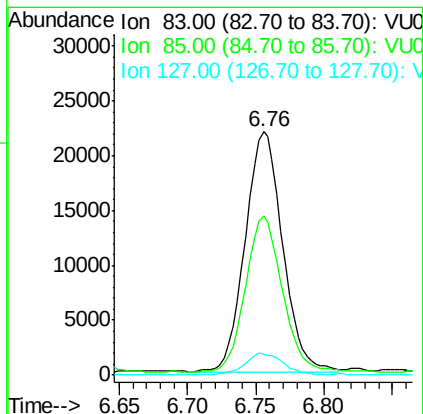
RT: 6.76 min Scan# 1762

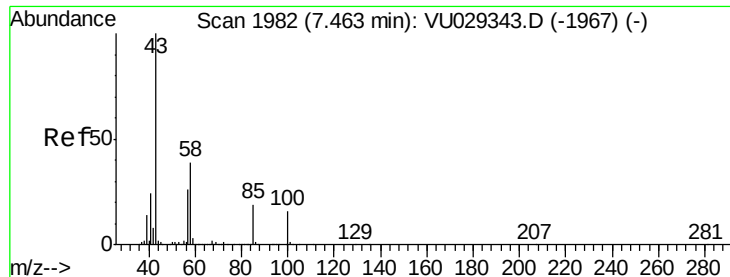
Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Tgt Ion:	83	Resp:	42236
Ion	Ratio	Lower	Upper
83	100		
85	64.9	49.2	73.8
127	8.8	7.0	10.6





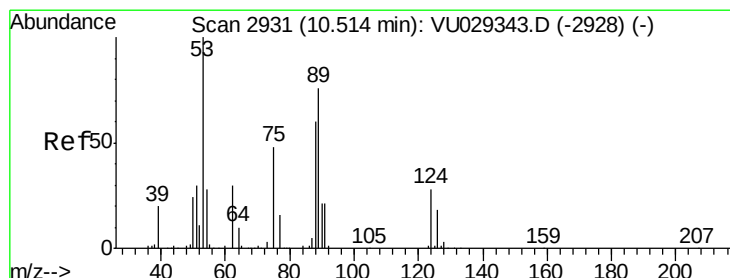
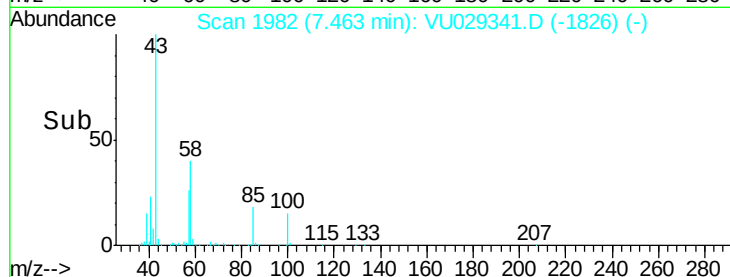
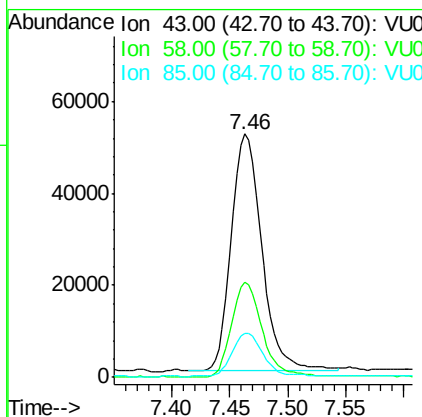
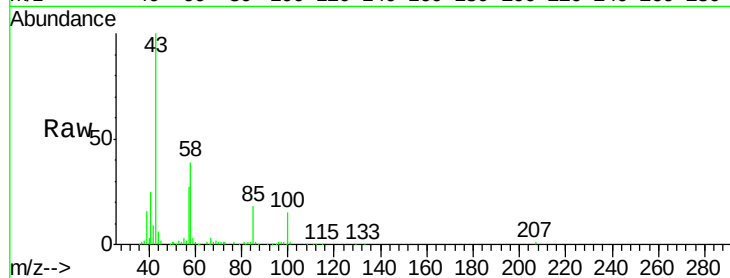
#45
 4-Methyl-2-Pentanone
 Concen: 9.306 ug/l
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	17.6	52.8
85	18.6	12.3	18.5#

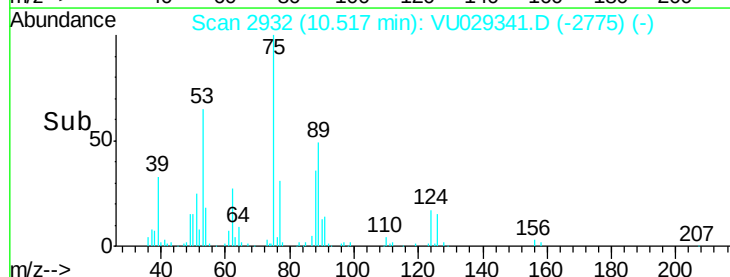
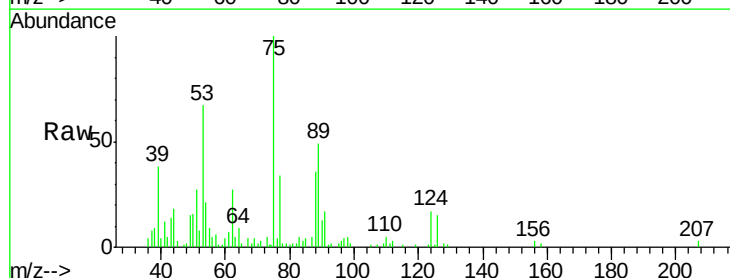
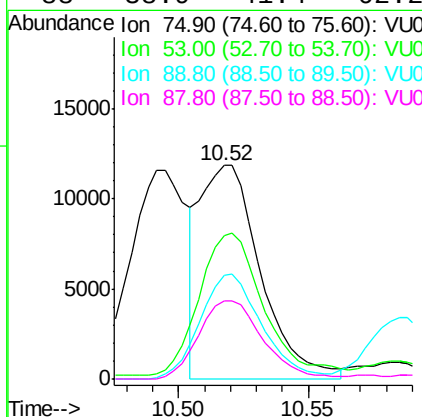
Manual Integrations
 APPROVED

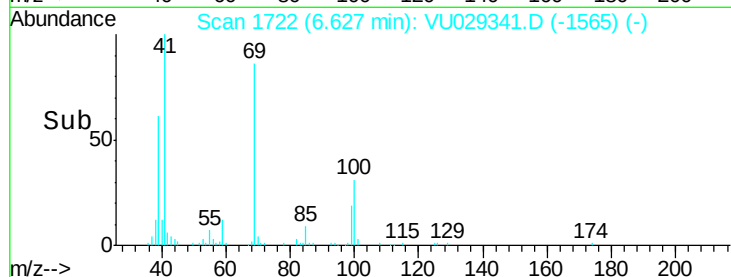
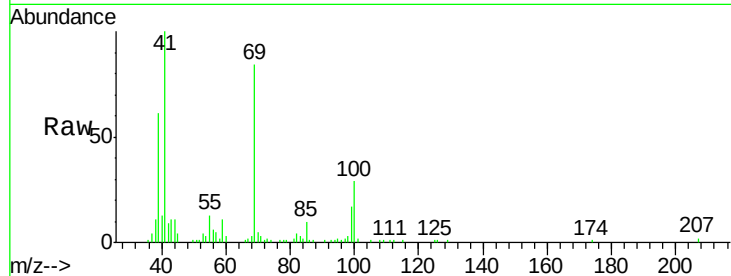
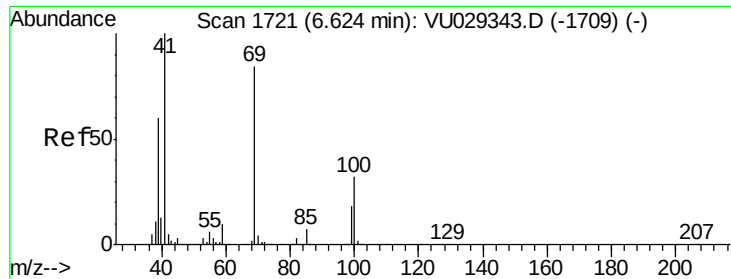
sam
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#46
 t-1,4-Dichloro-2-butene
 Concen: 3.895 ug/l m
 RT: 10.52 min Scan# 2932
 Delta R.T. 0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
53	70.8	78.2	117.4#
89	50.1	44.2	66.4
88	38.9	41.4	62.2#





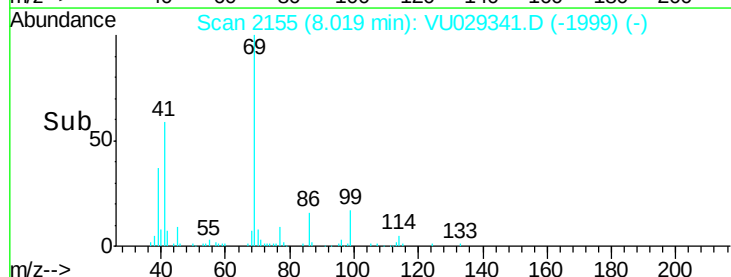
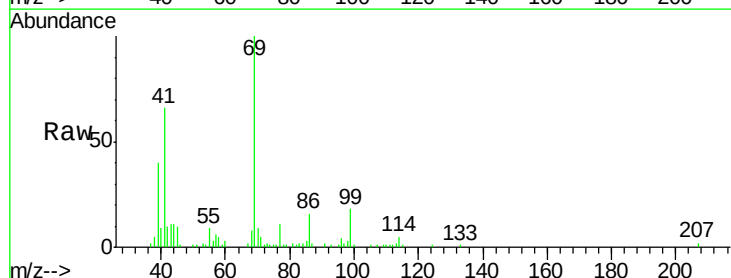
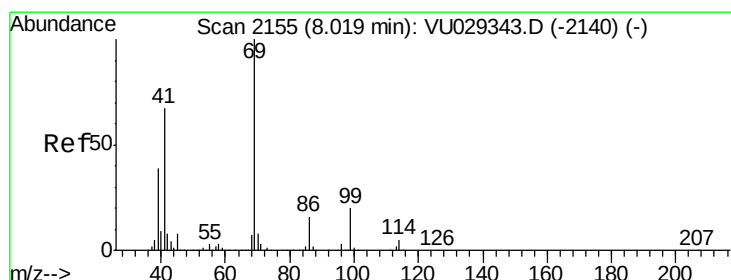
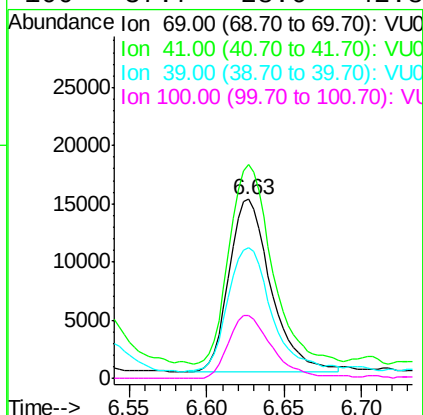
#47
Methyl methacrylate
Concen: 3.726 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	117.6	0.0	296.2		
39	75.4	71.2	106.8		
100	37.7	28.6	42.8		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

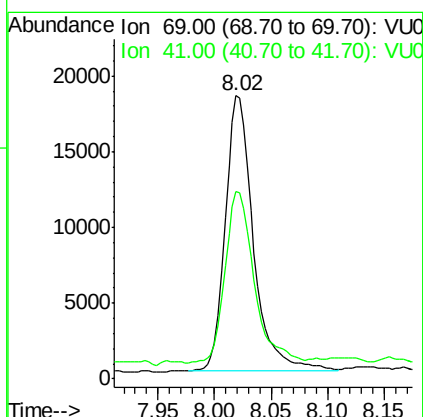
Manual Integrations
APPROVED

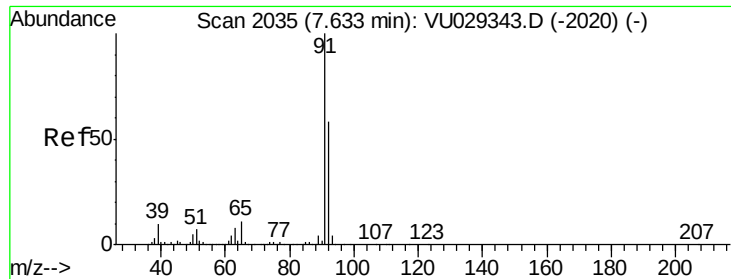
sam
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#48
Ethyl methacrylate
Concen: 1.950 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	63.7	39.9	119.7		





#49

Toluene

Concen: 1.895 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 92 Resp: 75278

Ion Ratio Lower Upper

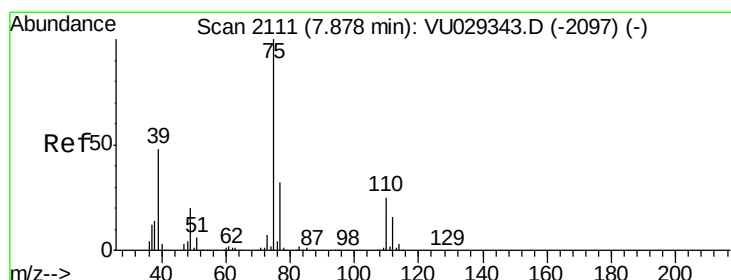
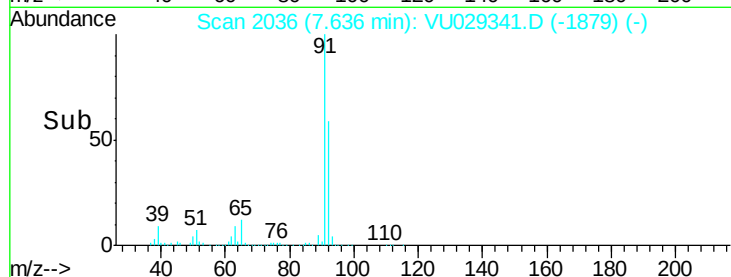
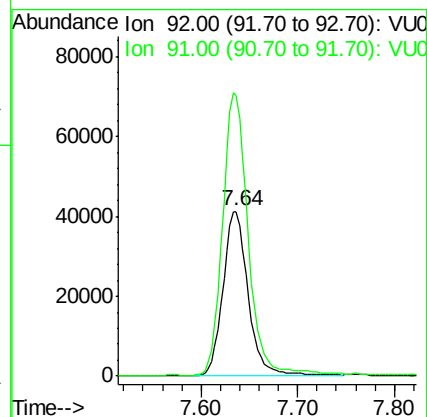
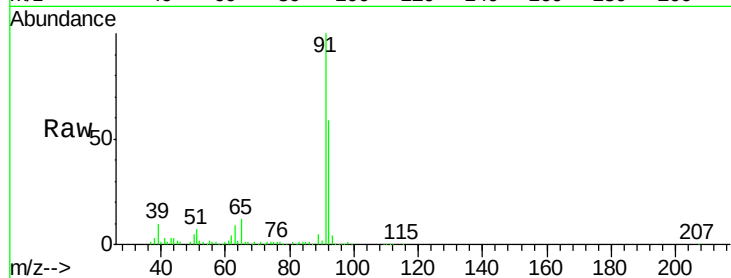
92 100

91 169.7 140.7 211.1

Manual Integrations
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sam

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#50

t-1,3-Dichloropropene

Concen: 1.859 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029341.D

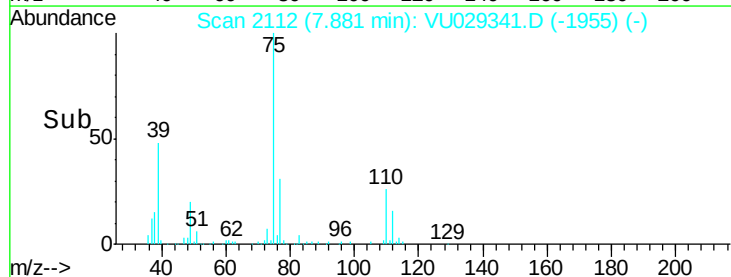
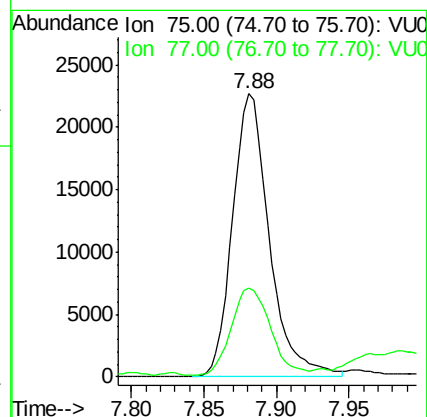
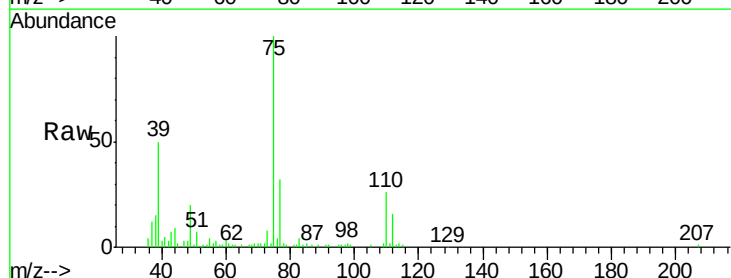
Acq: 05 Feb 2019 11:43

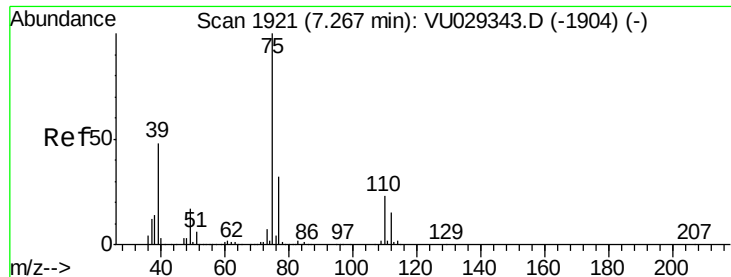
Tgt Ion: 75 Resp: 39946

Ion Ratio Lower Upper

75 100

77 30.7 23.6 35.4





#51

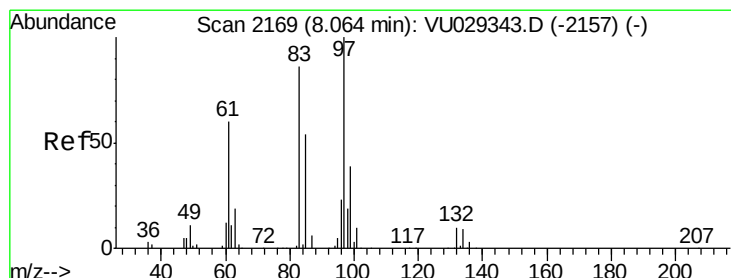
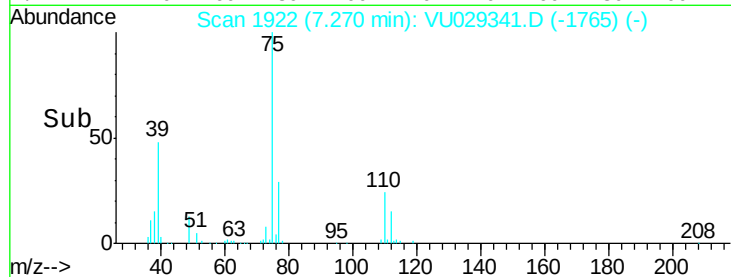
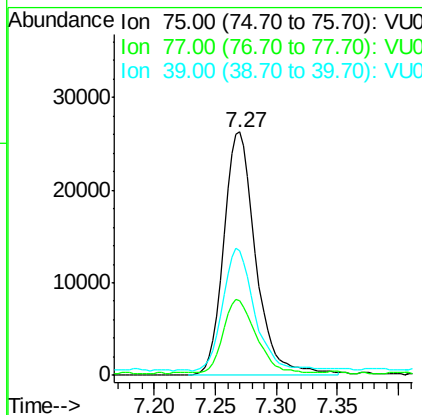
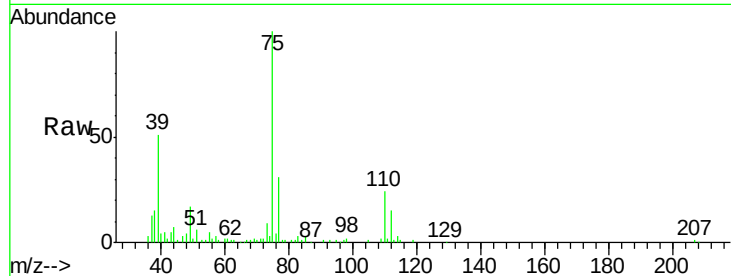
cis-1,3-Dichloropropene
Concen: 1.903 ug/l
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.4	24.9	37.3
39	49.0	47.2	70.8

Manual Integrations
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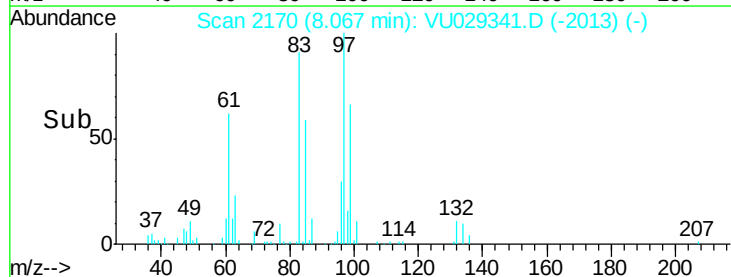
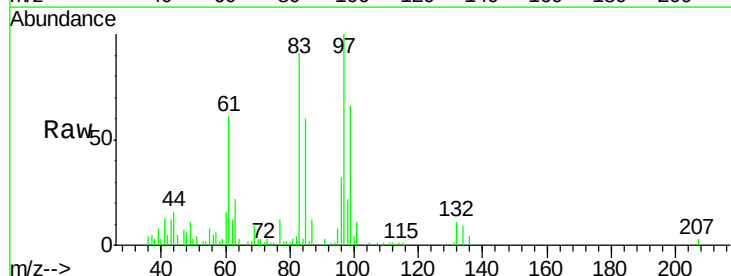
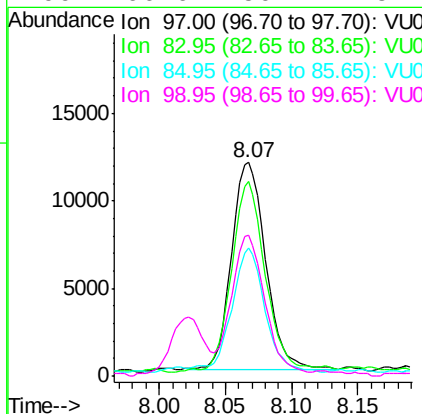
sam
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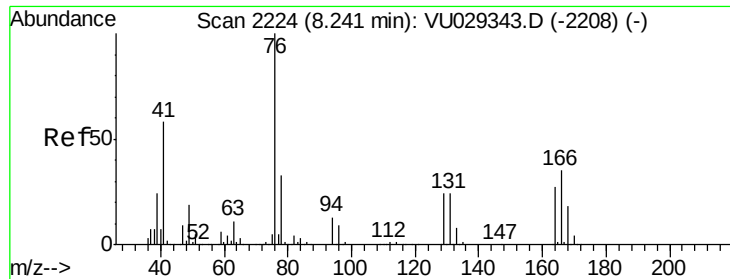


#52

1,1,2-Trichloroethane
Concen: 1.838 ug/l
RT: 8.07 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.1	69.9	104.9
85	59.3	45.8	68.6
99	66.6	50.2	75.2





#53

1,3-Dichloropropane

Concen: 1.948 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 76 Resp: 38971

Ion Ratio Lower Upper

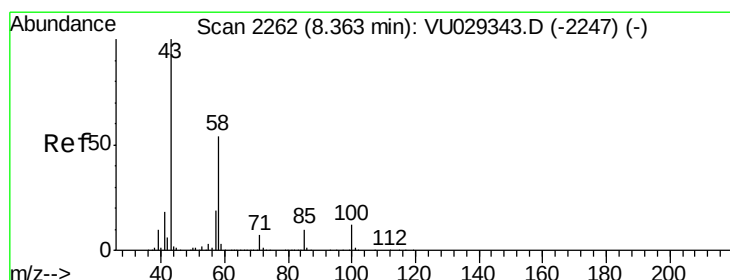
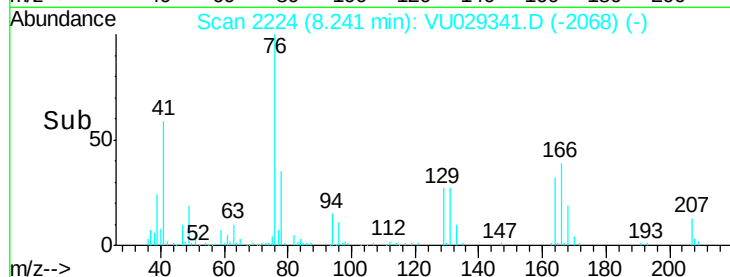
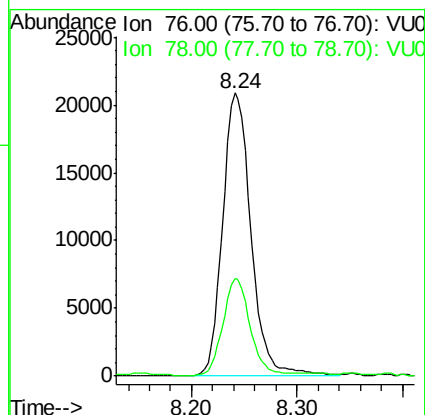
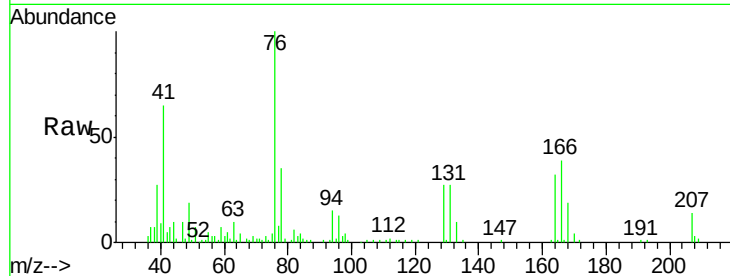
76 100

78 33.4 26.3 39.5

Manual Integrations
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#54

2-Hexanone

Concen: 9.279 ug/l

RT: 8.37 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

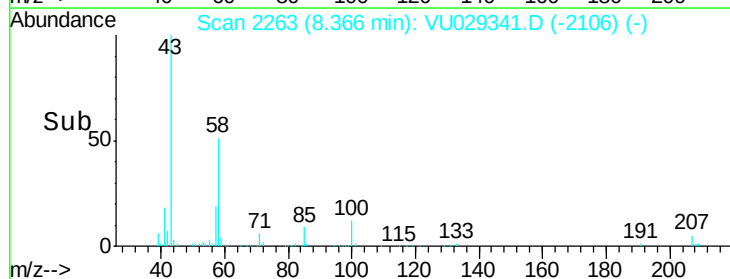
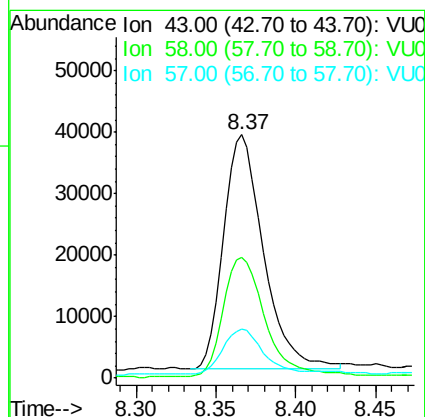
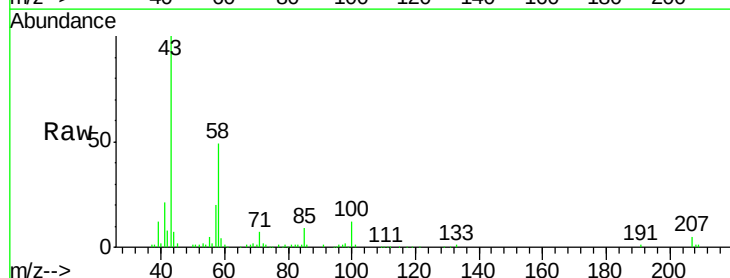
Tgt Ion: 43 Resp: 65600

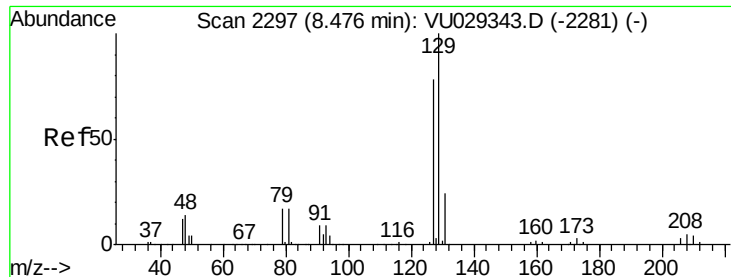
Ion Ratio Lower Upper

43 100

58 53.7 26.0 66.0

57 19.2 0.0 37.7





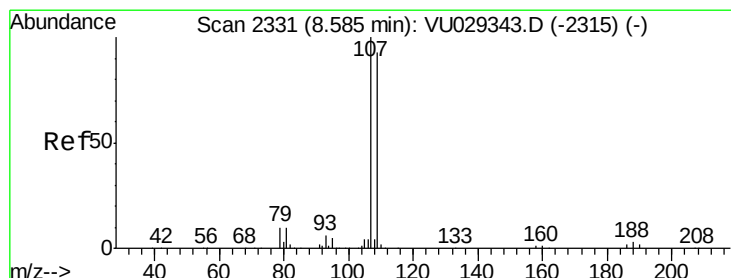
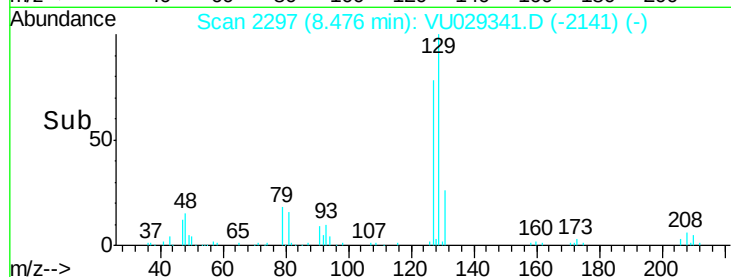
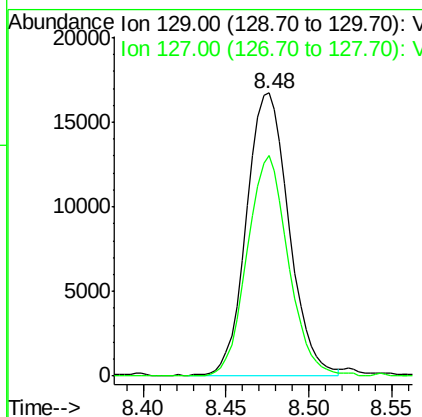
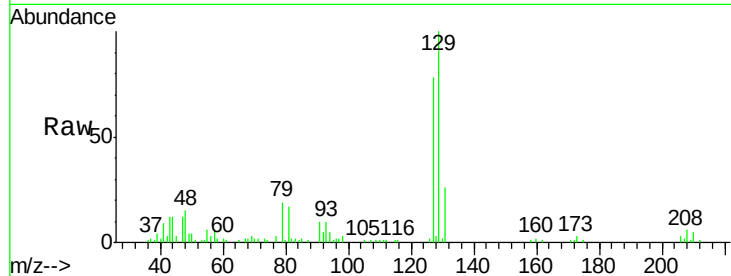
#55
 Dibromochloromethane
 Concen: 1.855 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.2	60.5	90.7

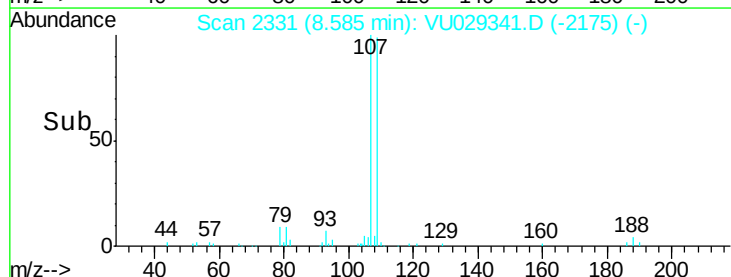
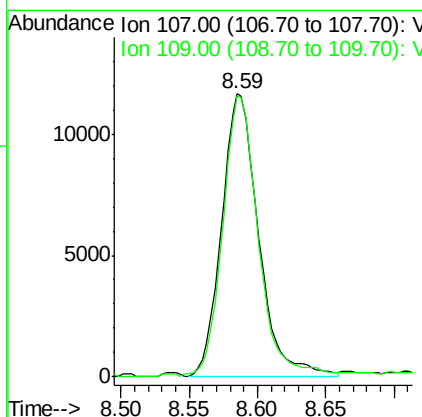
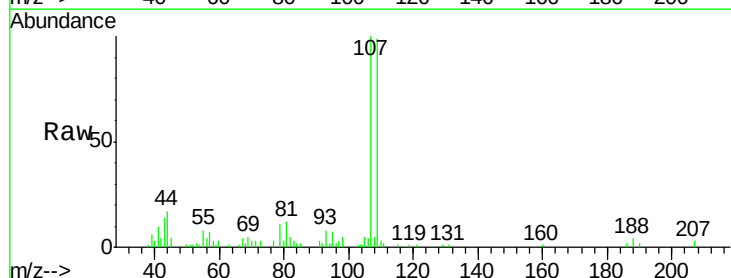
Manual Integrations
 APPROVED

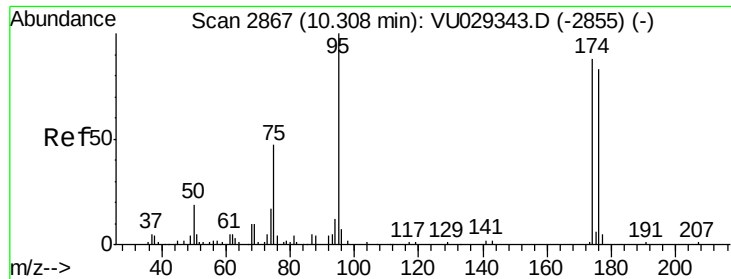
sam
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#56
 1,2-Dibromoethane
 Concen: 1.883 ug/l
 RT: 8.59 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.4	0.0	189.6





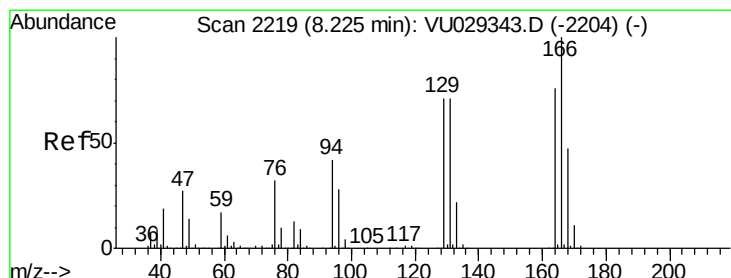
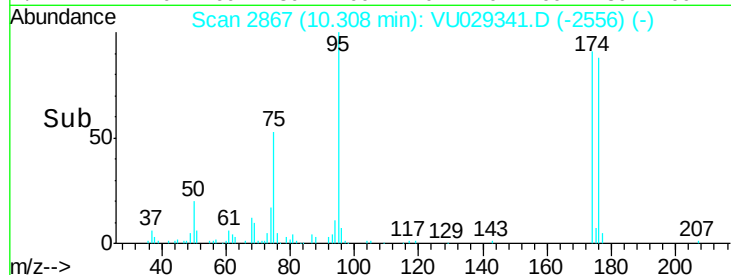
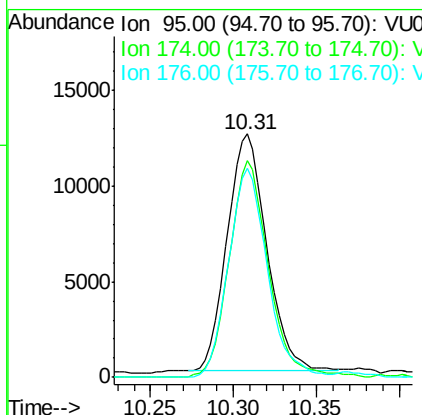
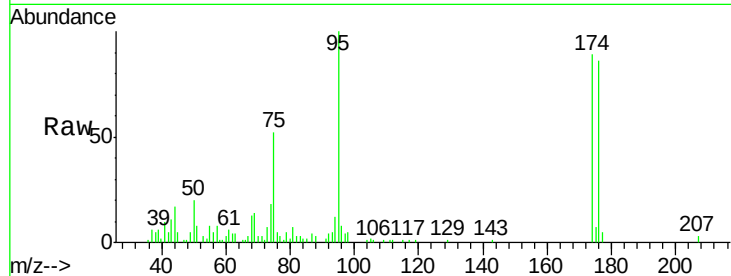
#57
4-Bromofluorobenzene
Concen: 1.883 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
95	100		
174	91.2	64.2	96.2
176	86.4	62.3	93.5

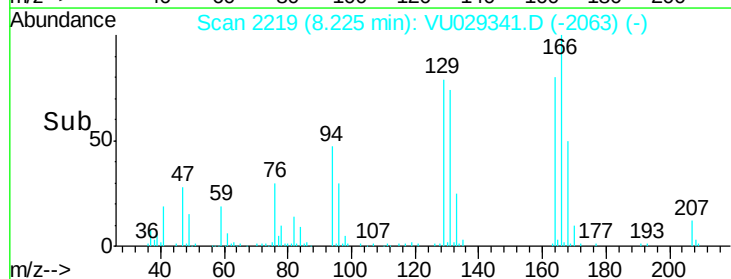
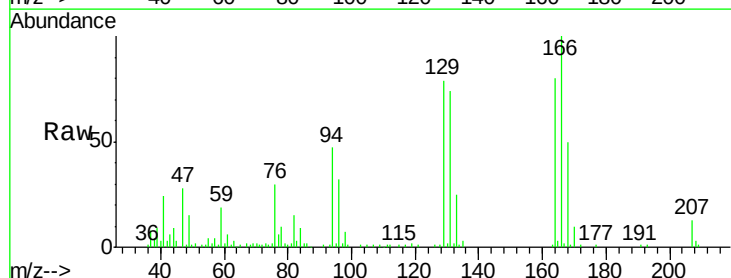
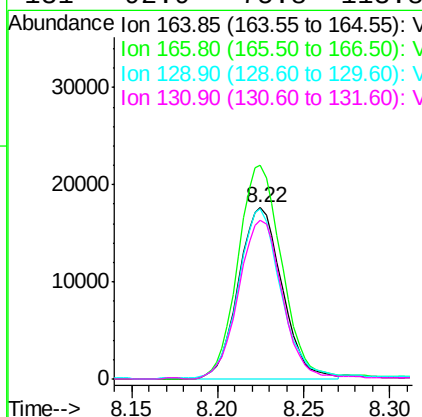
Manual Integrations
APPROVED

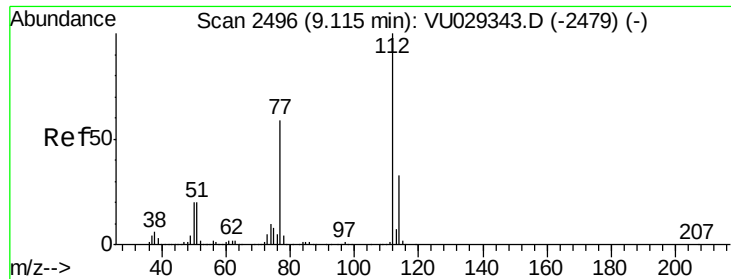
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#58
Tetrachloroethene
Concen: 1.879 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	106.6	159.8
129	98.5	79.9	119.9
131	92.9	75.8	113.8





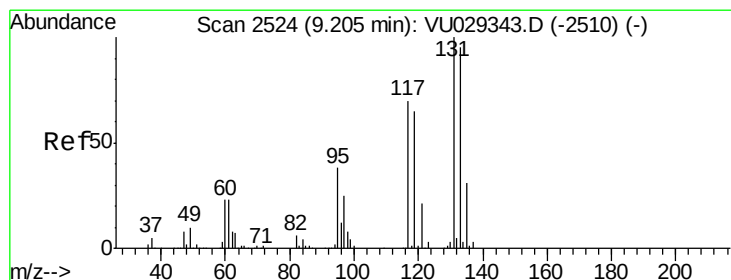
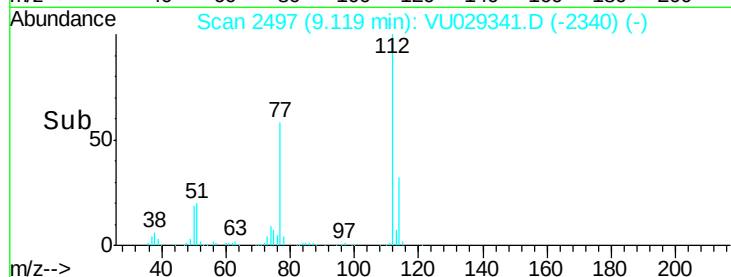
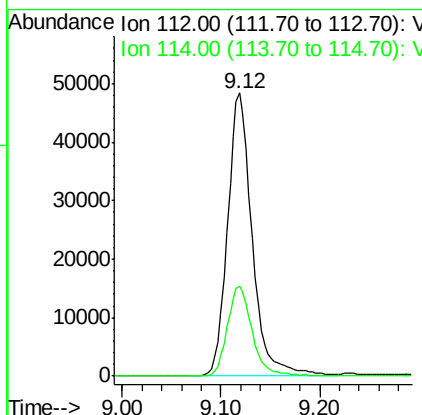
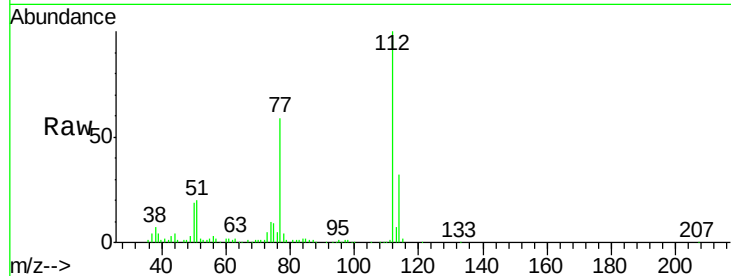
#59
Chlorobenzene
Concen: 1.878 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

Tot Ion:112 Resp: 84028
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

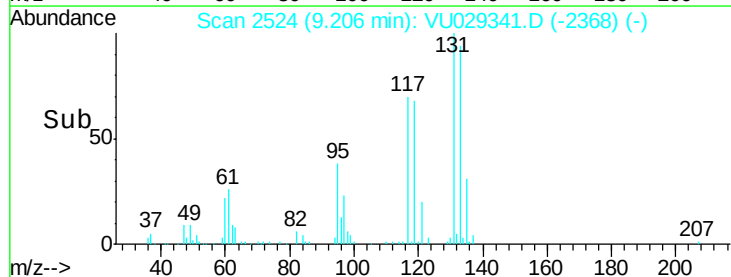
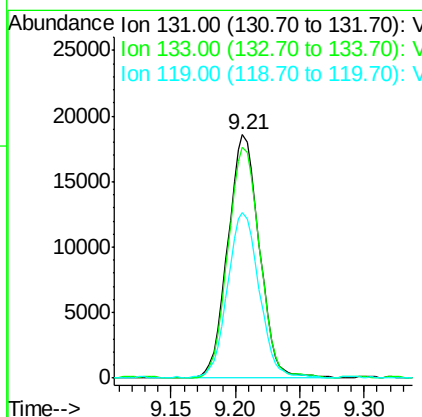
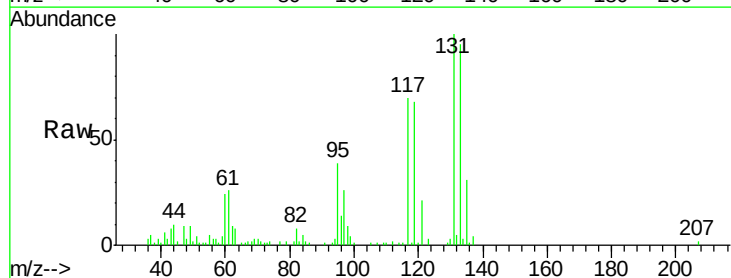
Manual Integrations
APPROVED

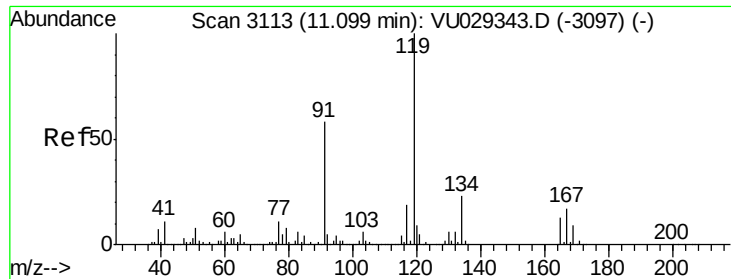
sam
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.911 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tgt Ion:131 Resp: 31597
Ion Ratio Lower Upper
131 100
133 95.8 77.3 115.9
119 68.2 48.9 73.3





#61

Pentachloroethane

Concen: 1.866 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:117 Resp: 23912

Ion Ratio Lower Upper

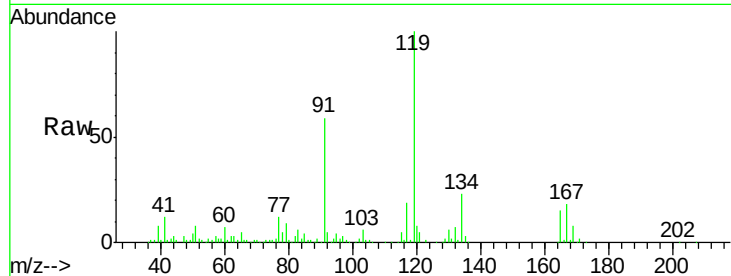
117 100

167 91.2 65.9 98.9

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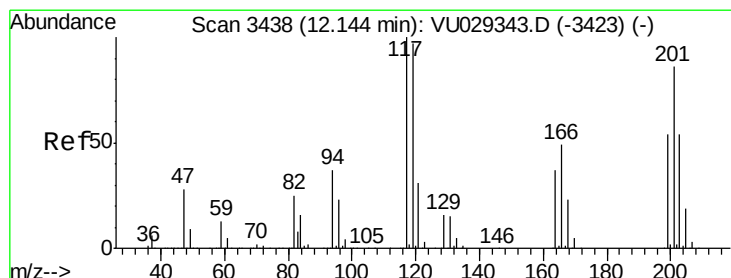
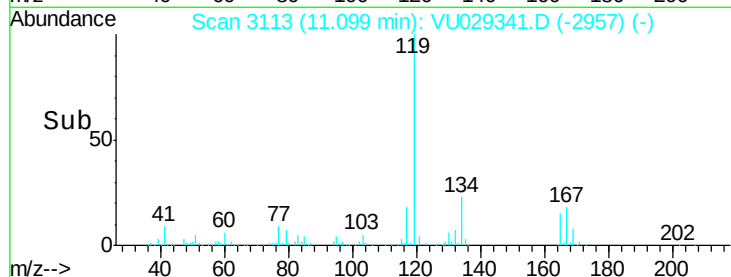
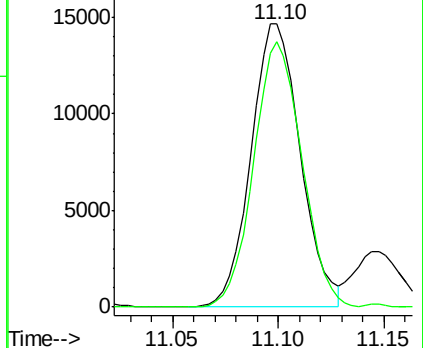
sam

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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: 1.868 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU029341.D

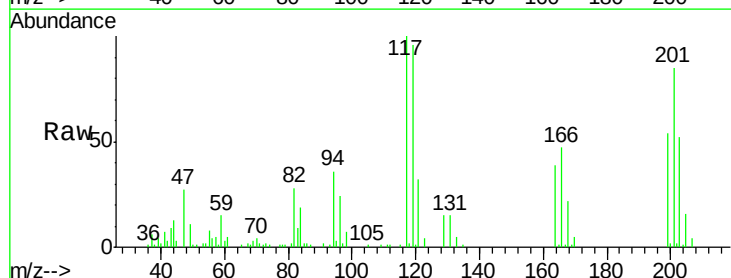
Acq: 05 Feb 2019 11:43

Tgt Ion:117 Resp: 26127

Ion Ratio Lower Upper

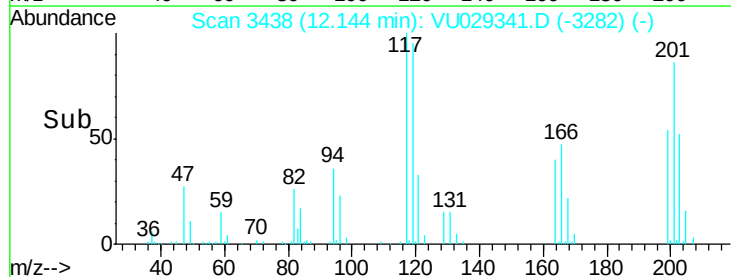
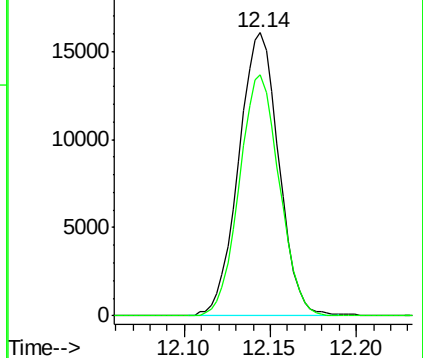
117 100

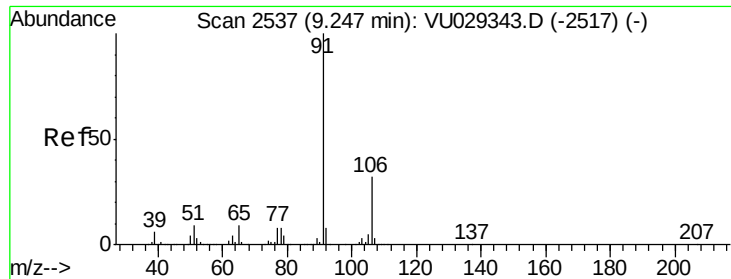
201 84.4 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





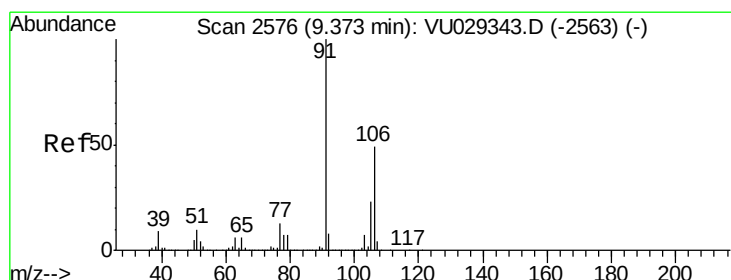
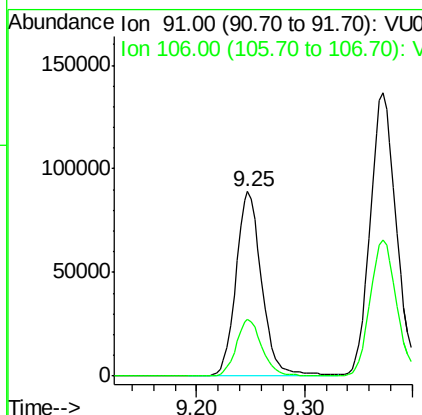
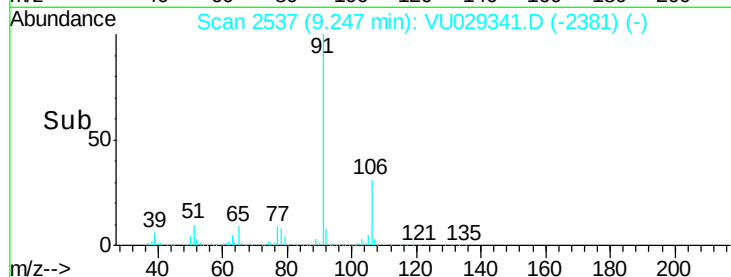
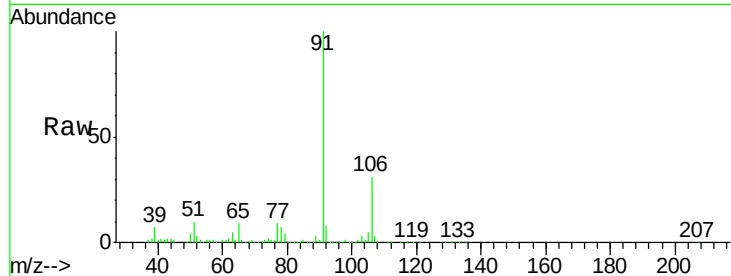
#63
Ethyl Benzene
Concen: 1.896 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 147309
Ion Ratio Lower Upper
91 100
106 31.0 23.8 35.6

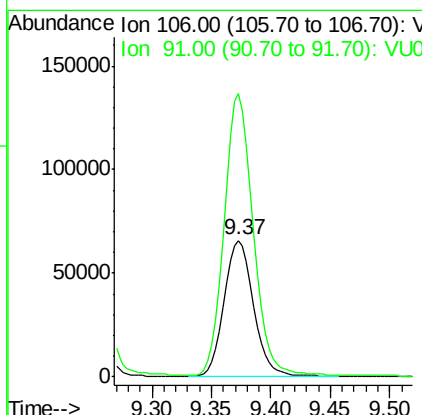
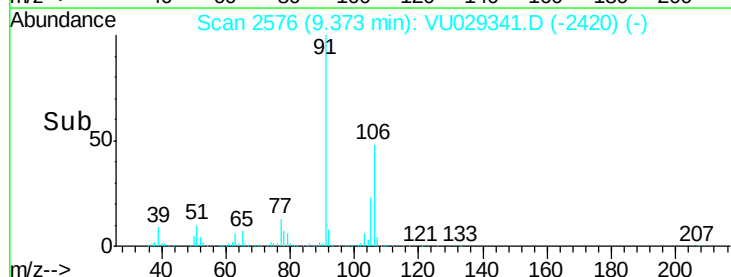
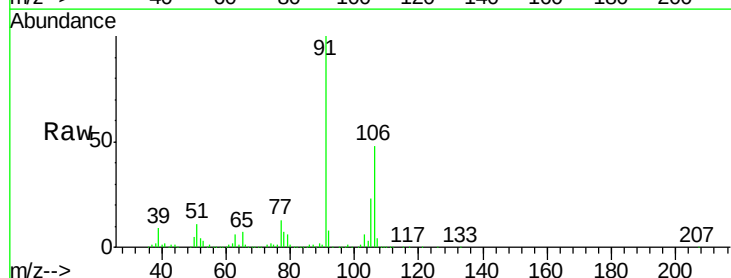
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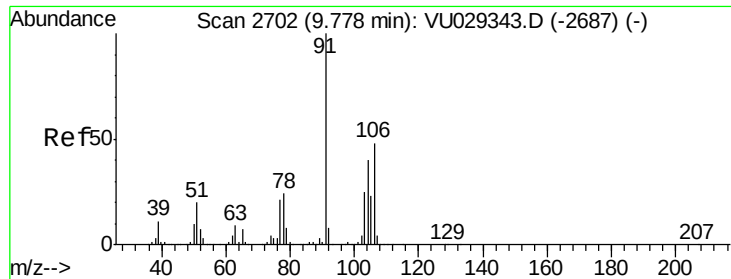
sam
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#64
m/p-Xylenes
Concen: 3.739 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tgt Ion: 106 Resp: 112889
Ion Ratio Lower Upper
106 100
91 202.3 174.6 261.8





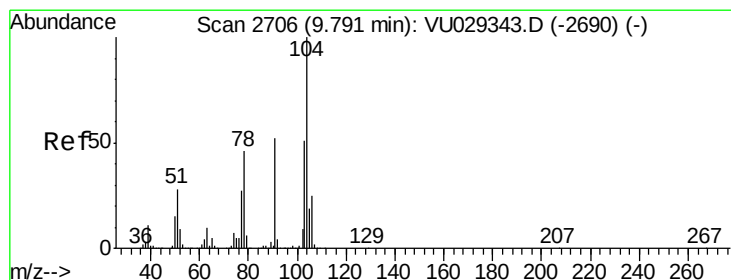
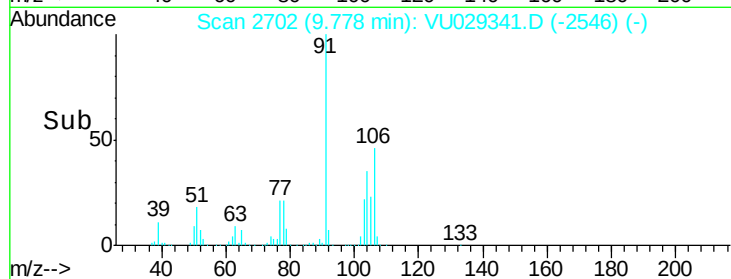
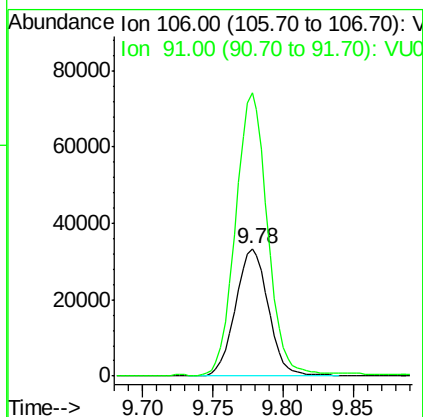
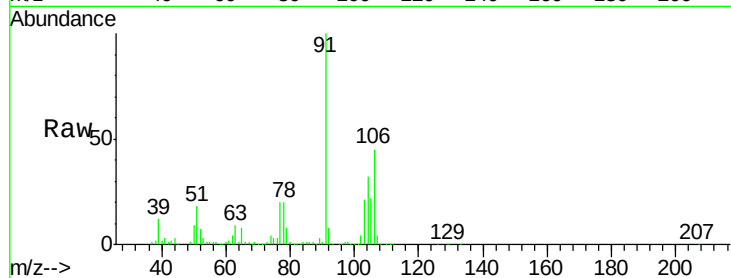
#65
o-Xylene
Concen: 1.843 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Instrument :
MSVOA_U
ClientSampled :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		54618		
91	215.9	114.5	343.4		

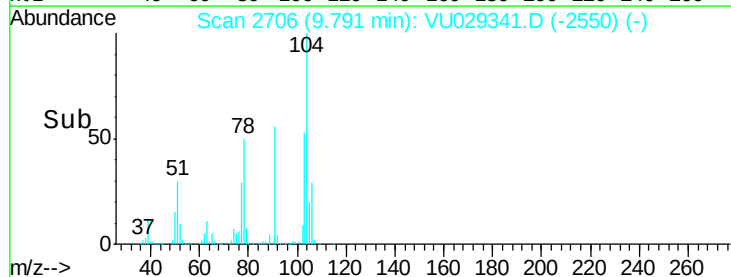
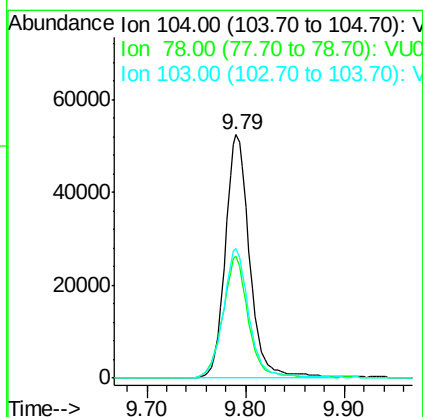
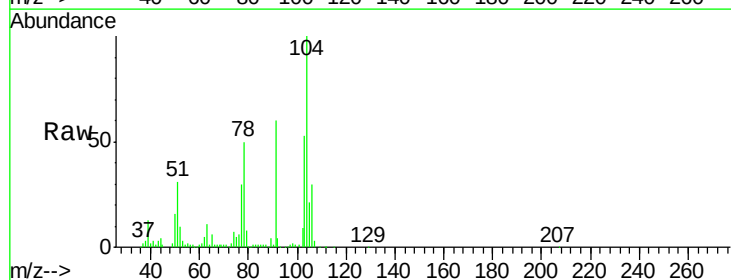
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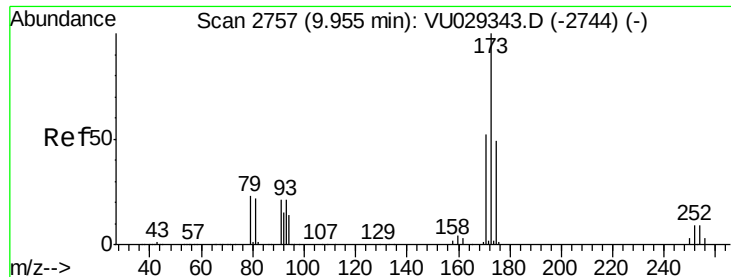
sam
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#66
Styrene
Concen: 1.842 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		90986		
78	53.1	46.5	69.7		
103	56.2	44.7	67.1		





#67

Bromoform

Concen: 1.844 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

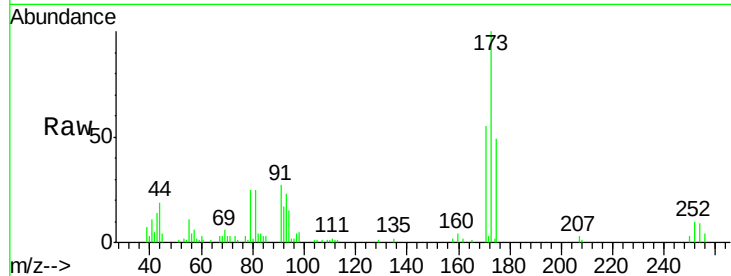
ClientSampleId :

VSTDIC002

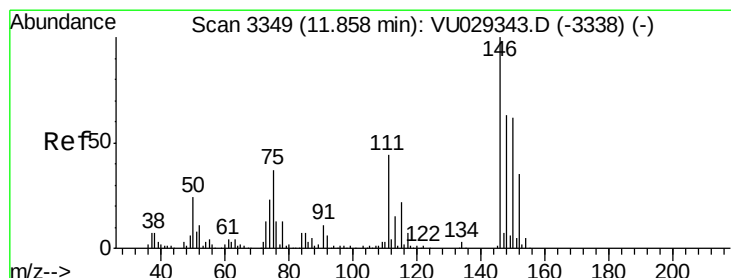
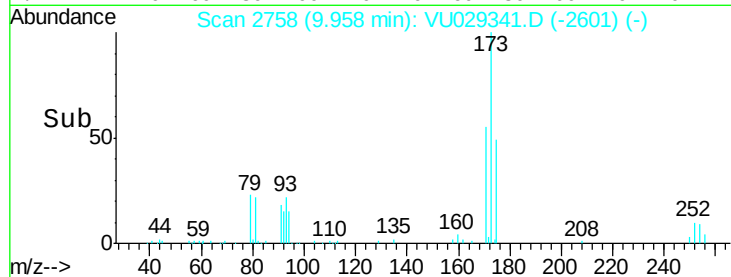
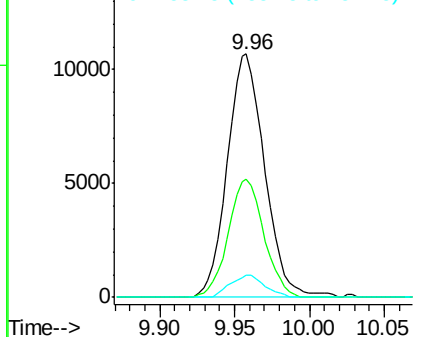
Tot Ion:173	Resp:	18575
Ion Ratio	Lower	Upper
173 100		
175 46.4	38.9	58.3
254 8.4	7.4	11.2

Manual Integrations
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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: 1.844 ug/l

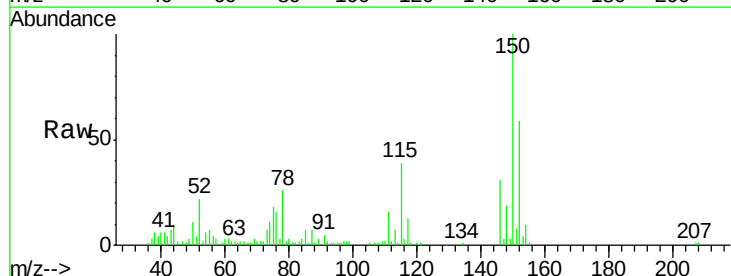
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

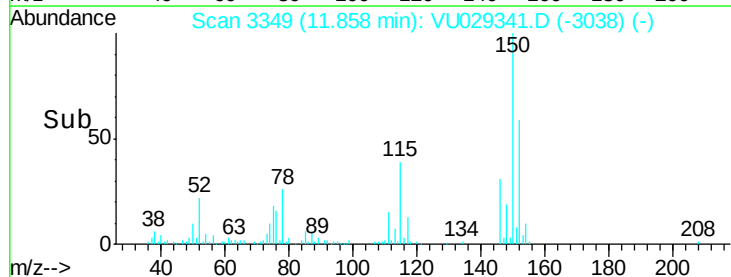
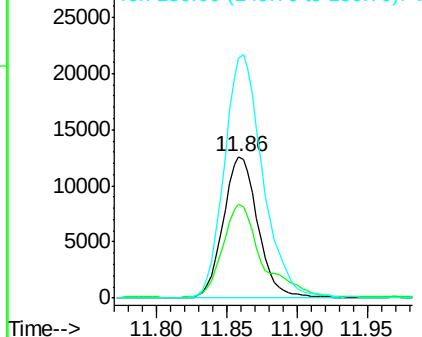
Lab File: VU029341.D

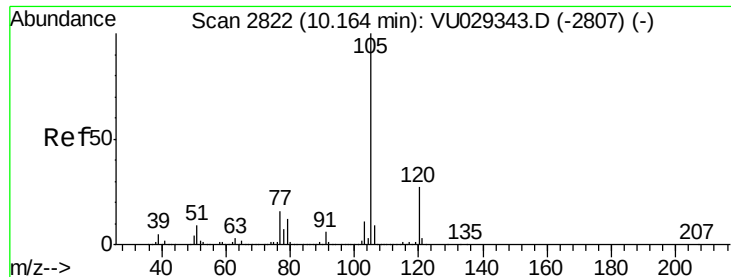
Acq: 05 Feb 2019 11:43

Tgt Ion:152	Resp:	21643
Ion Ratio	Lower	Upper
152 100		
115 76.7	0.0	133.4
150 190.6	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: 1.910 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 151258

Ion Ratio Lower Upper

105 100

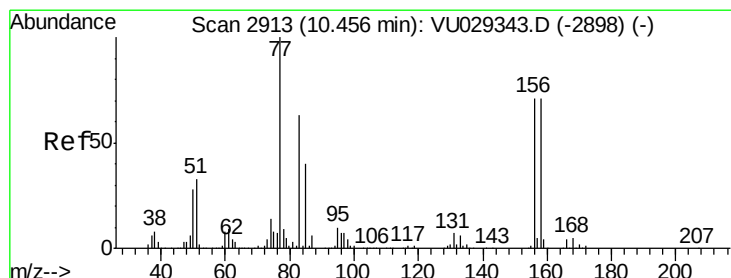
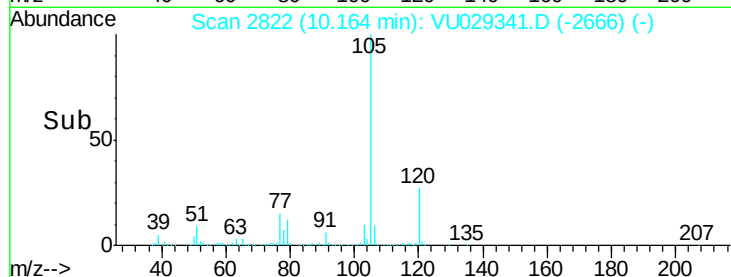
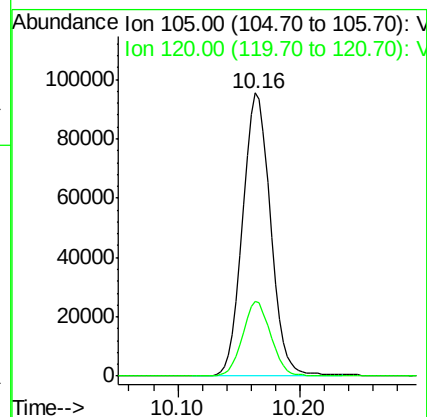
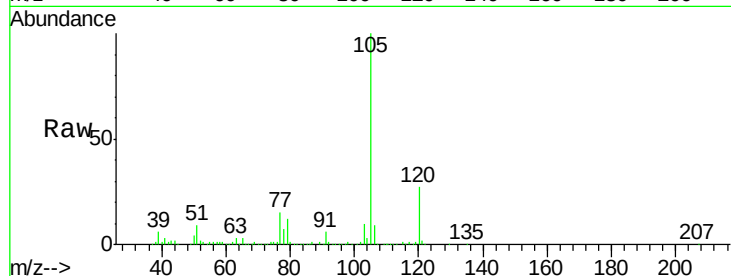
120 26.6 12.6 37.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.912 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

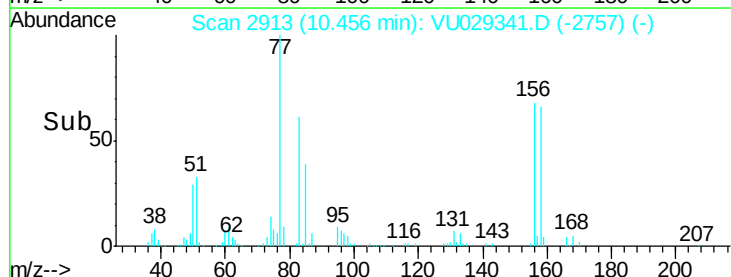
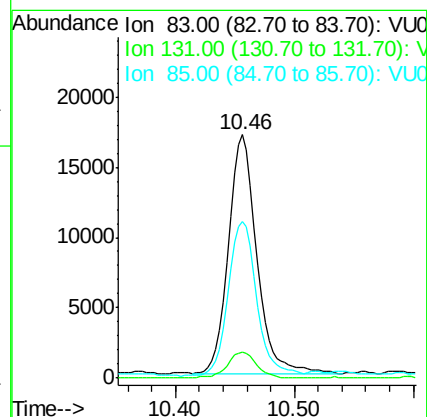
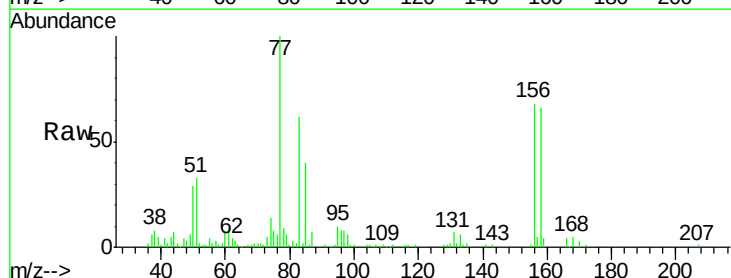
Tgt Ion: 83 Resp: 27913

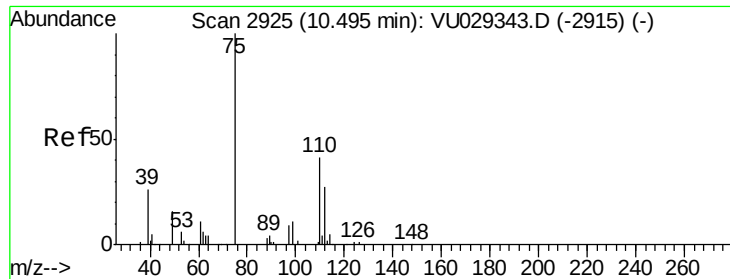
Ion Ratio Lower Upper

83 100

131 11.0 8.1 12.1

85 65.6 50.3 75.5





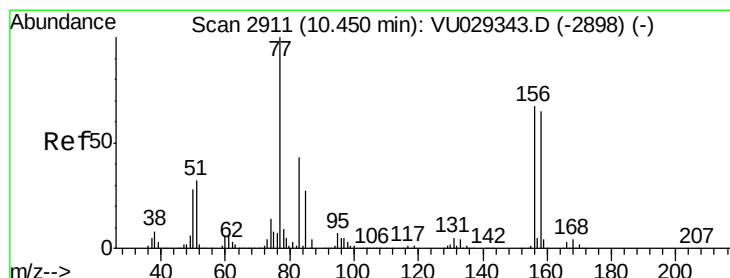
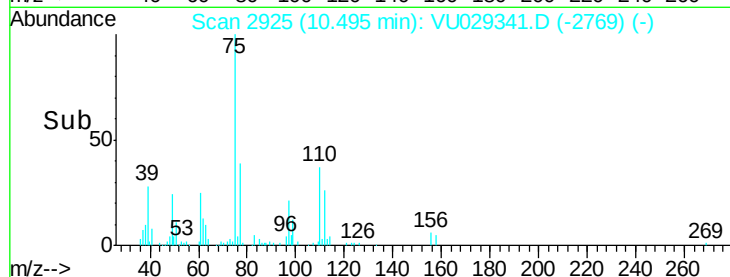
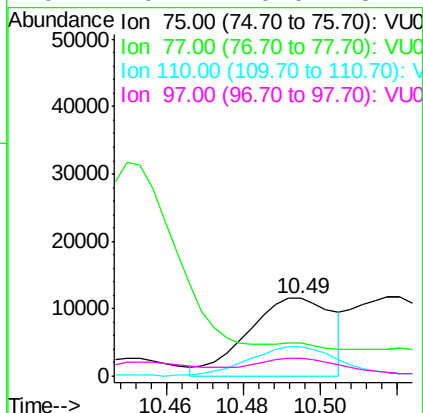
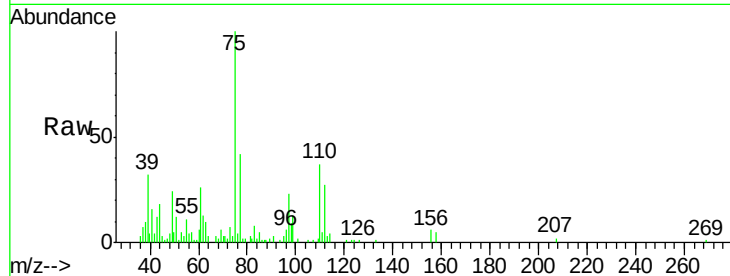
#71
 1,2,3-Trichloropropane
 Concen: 1.738 ug/l m
 RT: 10.49 min Scan# 2925
 Delta R.T. 0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	75	Resp	17751
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	43.3	0.0	63.6
97	19.4	0.0	31.4

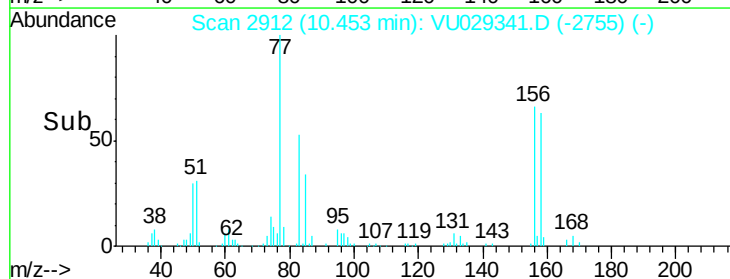
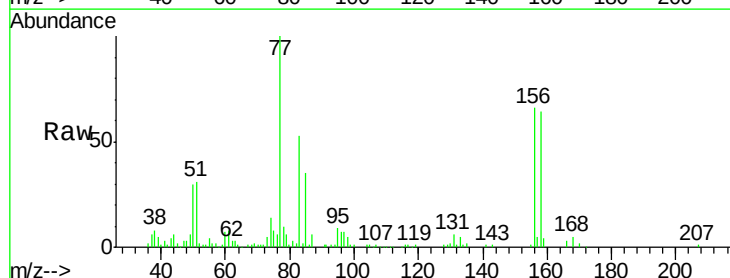
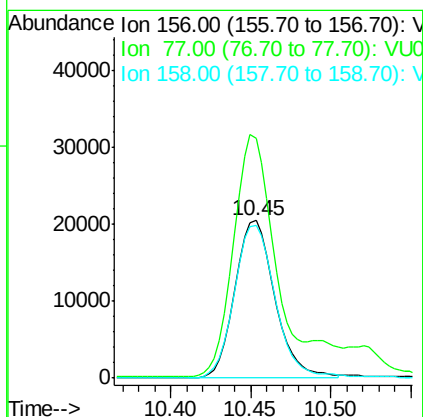
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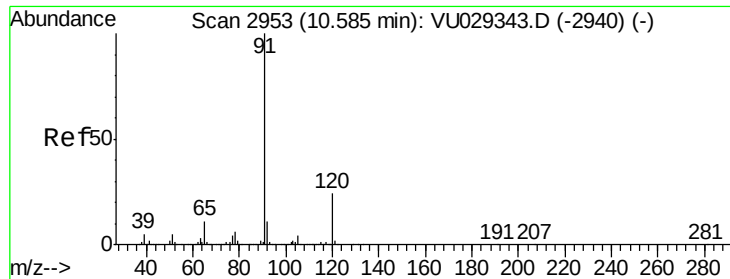
sam
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#72
 Bromobenzene
 Concen: 1.827 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Tgt Ion	156	Resp	35071
Ion	Ratio	Lower	Upper
156	100		
77	155.6	0.0	343.8
158	100.3	0.0	195.0





#73

n-propylbenzene

Concen: 1.866 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:120 Resp: 41152

Ion Ratio Lower Upper

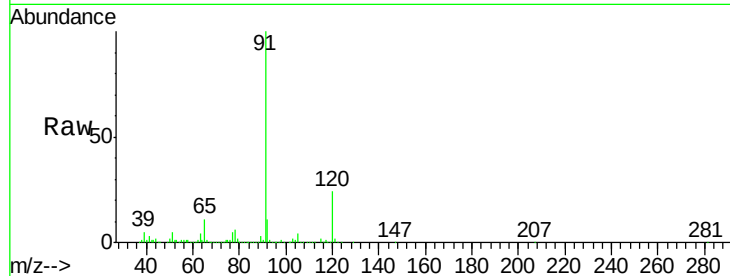
120 100

91 420.1 370.0 555.0

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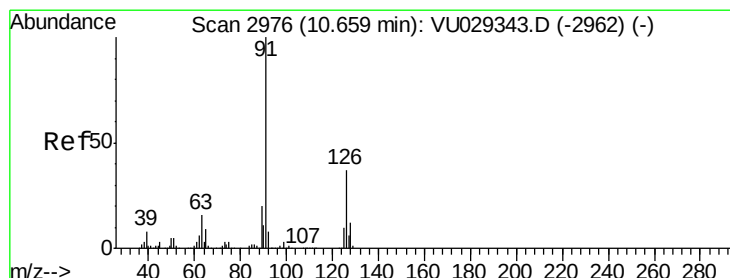
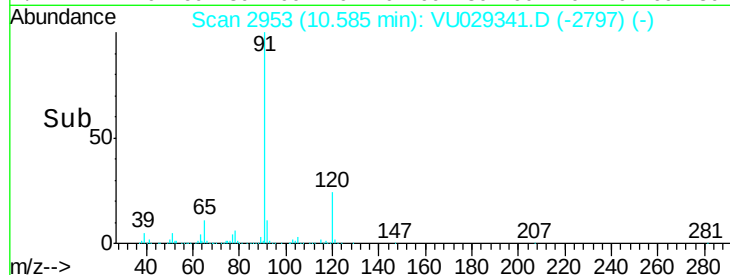
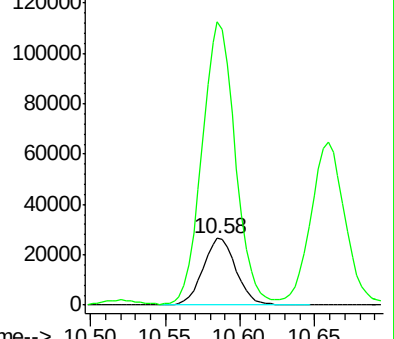
sam

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.872 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029341.D

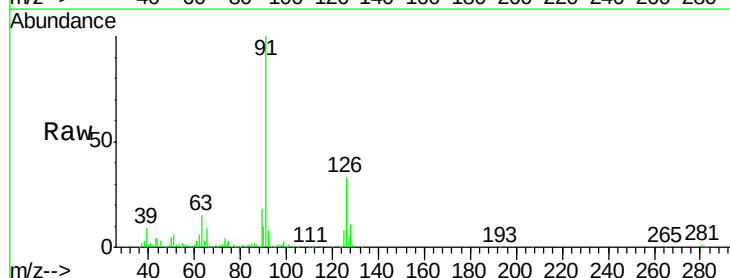
Acq: 05 Feb 2019 11:43

Tgt Ion:126 Resp: 35164

Ion Ratio Lower Upper

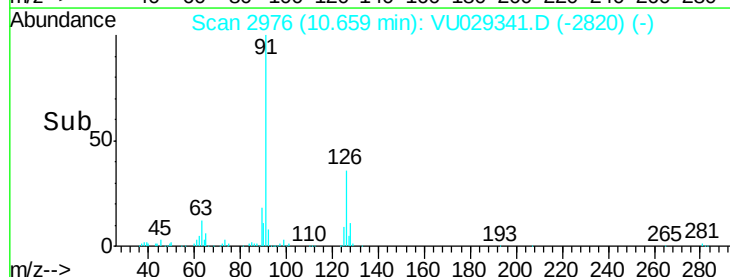
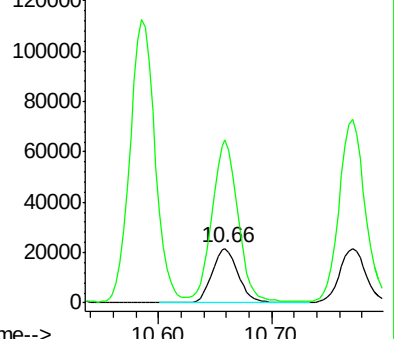
126 100

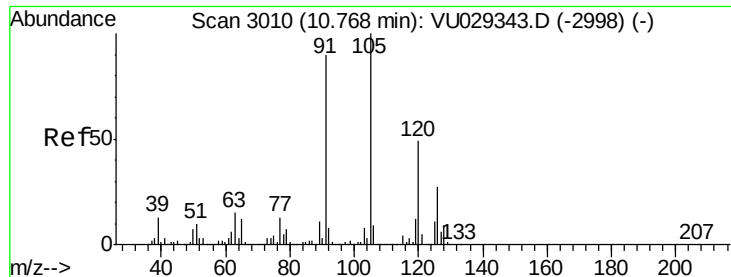
91 291.7 0.0 643.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.866 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 127389

Ion Ratio Lower Upper

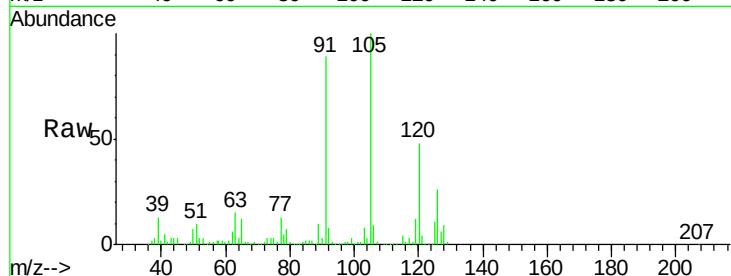
105 100

120 49.0 37.3 55.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

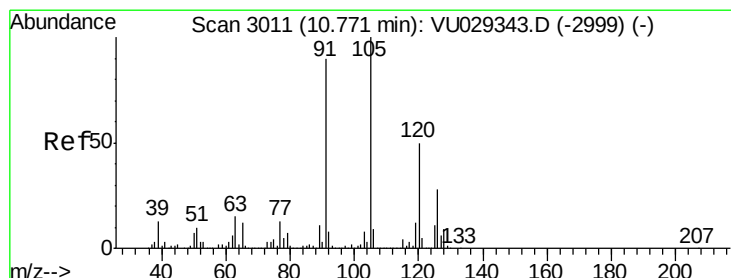
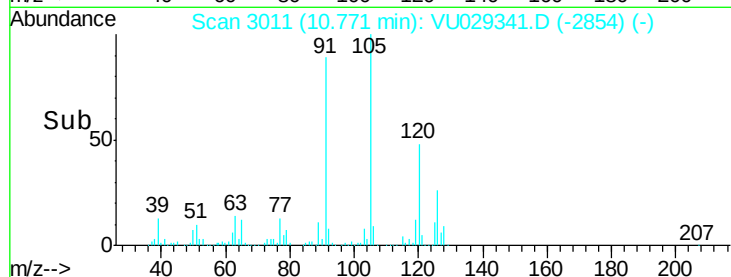
60000

40000

20000

0

Time--> 10.70 10.80 10.90



#76

4-Chlorotoluene

Concen: 1.755 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029341.D

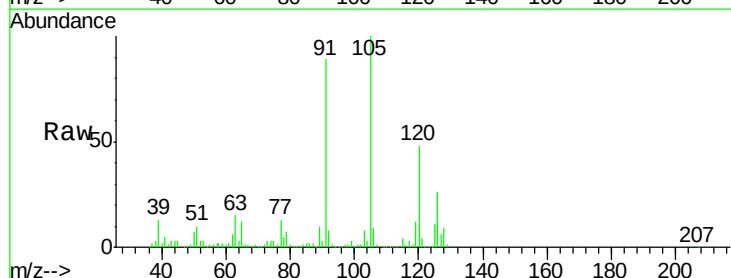
Acq: 05 Feb 2019 11:43

Tgt Ion:126 Resp: 34212

Ion Ratio Lower Upper

126 100

91 338.8 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

80000

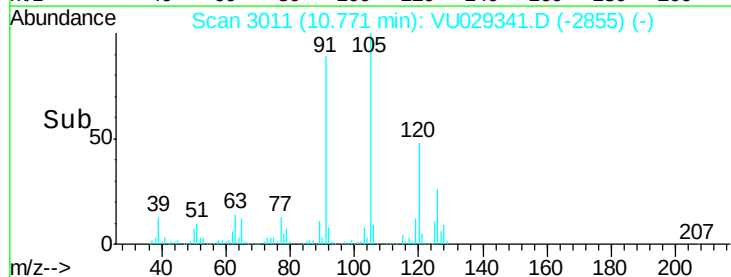
60000

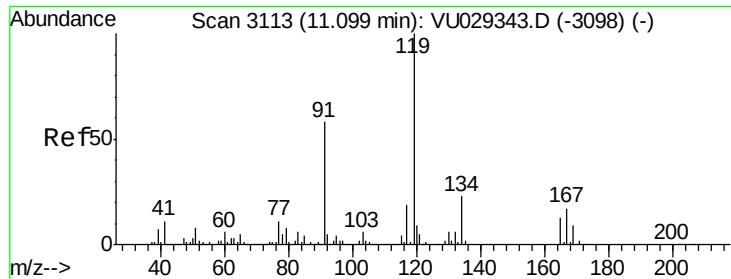
40000

20000

0

Time--> 10.70 10.75 10.80





#77

tert-Butylbenzene

Concen: 1.869 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

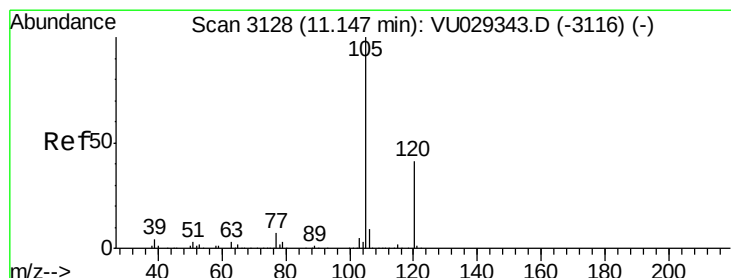
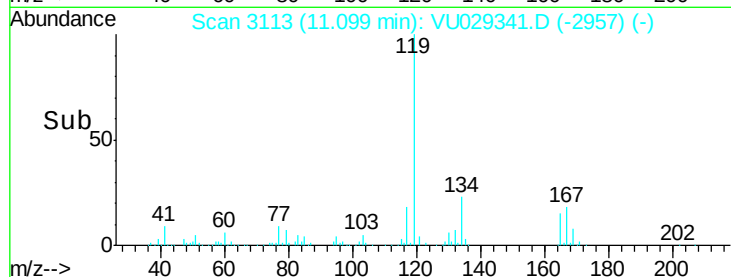
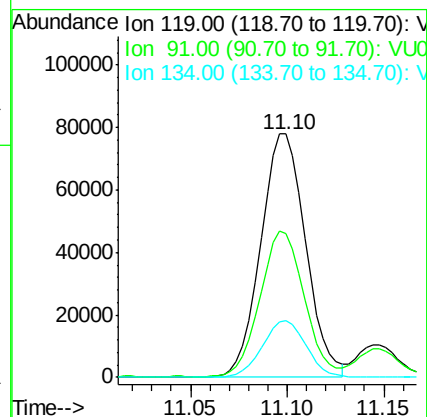
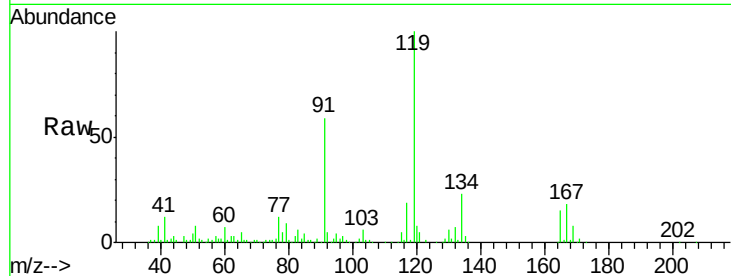
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	126087
Ion Ratio	Lower	Upper	
119	100		
91	58.4	32.2	96.6
134	22.8	17.6	26.4

Manual Integrations
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#78

1,2,4-Trimethylbenzene

Concen: 1.866 ug/l

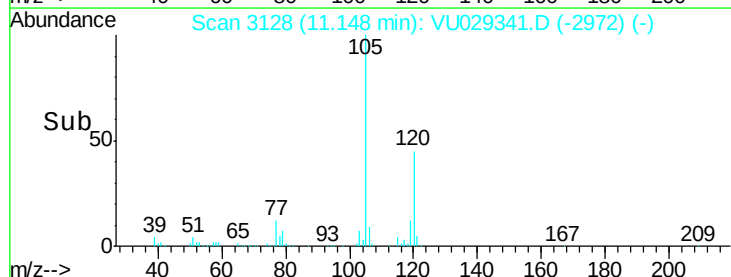
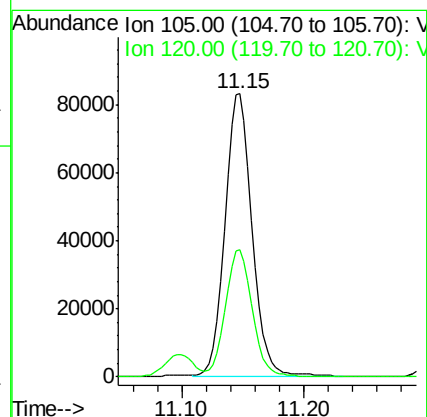
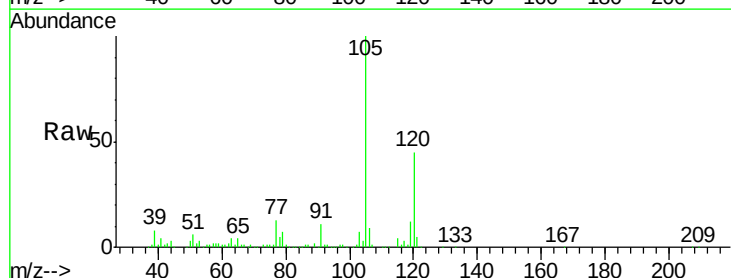
RT: 11.15 min Scan# 3128

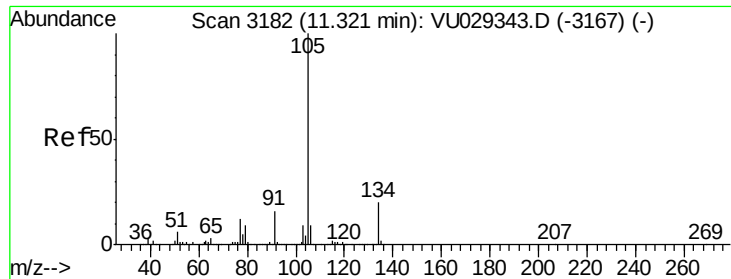
Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Tgt Ion:	105	Resp:	128985
Ion Ratio	Lower	Upper	
105	100		
120	45.4	21.4	64.3





#79

sec-Butylbenzene

Concen: 1.870 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 165099

Ion Ratio Lower Upper

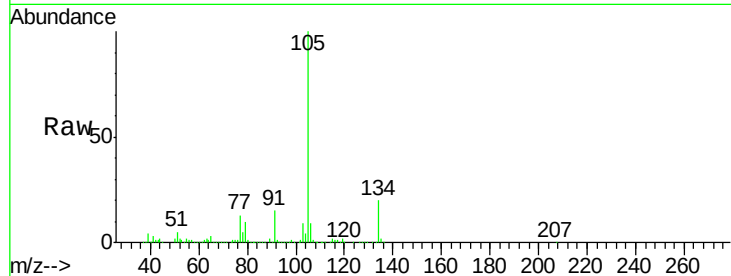
105 100

134 20.4 15.0 22.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

120000

100000

80000

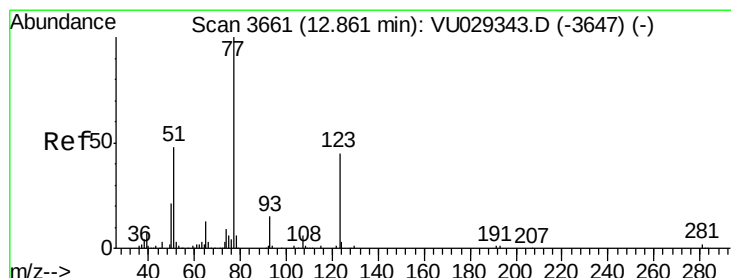
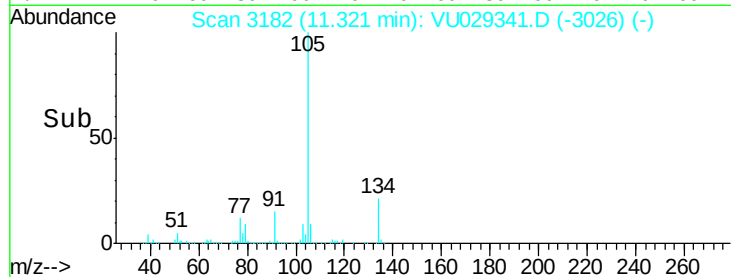
60000

40000

20000

0

Time-->



#80

Nitrobenzene

Concen: 7.697 ug/l

RT: 12.87 min Scan# 3664

Delta R.T. 0.01 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

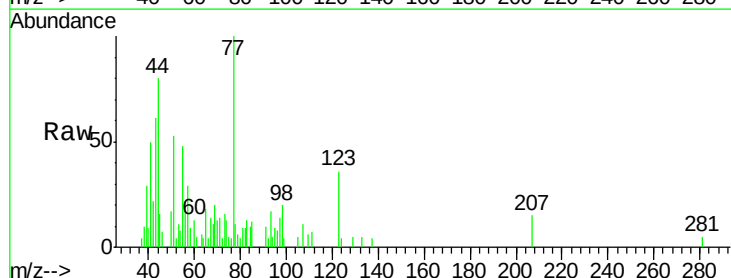
Tgt Ion: 77 Resp: 4962

Ion Ratio Lower Upper

77 100

123 32.3 17.5 61.9

65 17.5 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

12.87

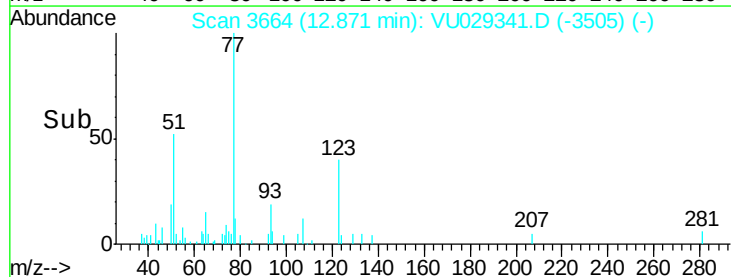
3000

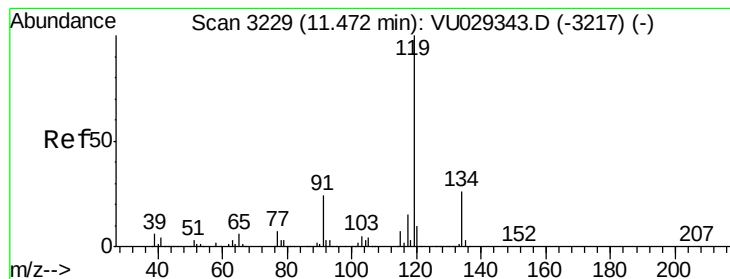
2000

1000

0

Time-->





#81

p-Isopropyltoluene

Concen: 1.843 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

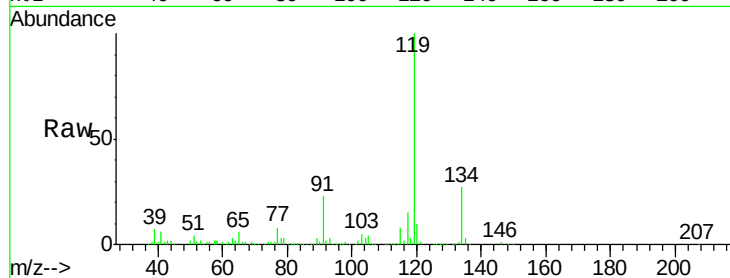
ClientSampleId :

VSTDIC002

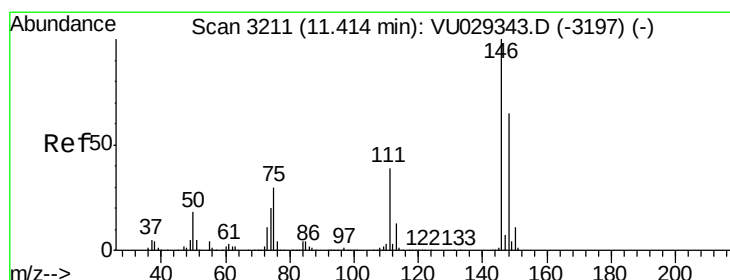
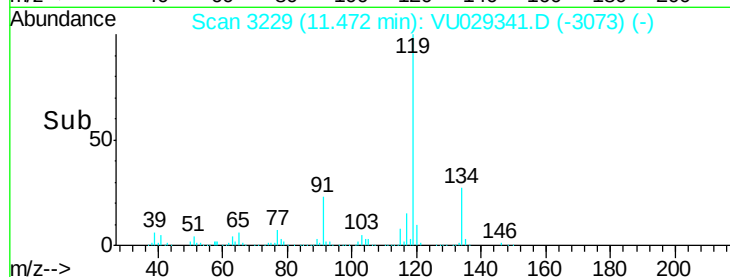
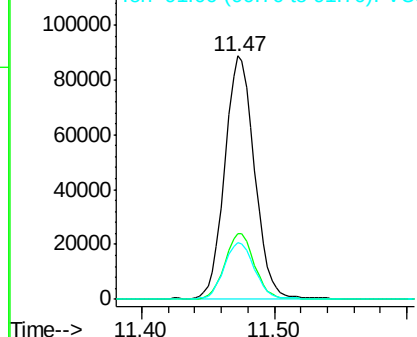
Tot Ion:	119	Resp:	137895
Ion Ratio	Lower	Upper	
119	100		
134	27.4	19.8	29.6
91	23.7	21.5	32.3

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



#82

1,3-Dichlorobenzene

Concen: 1.834 ug/l

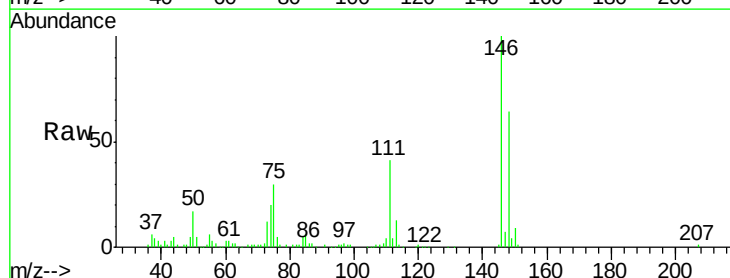
RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

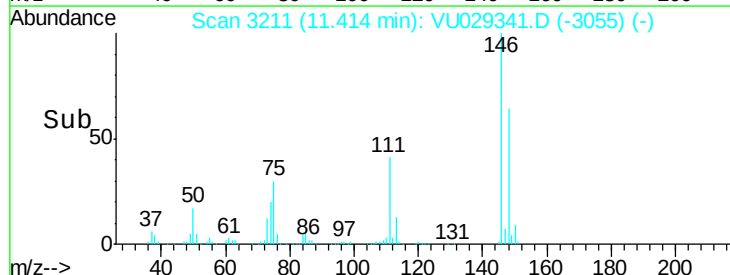
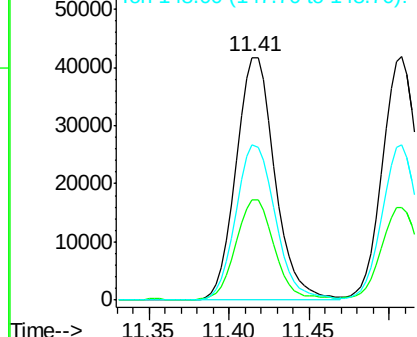
Lab File: VU029341.D

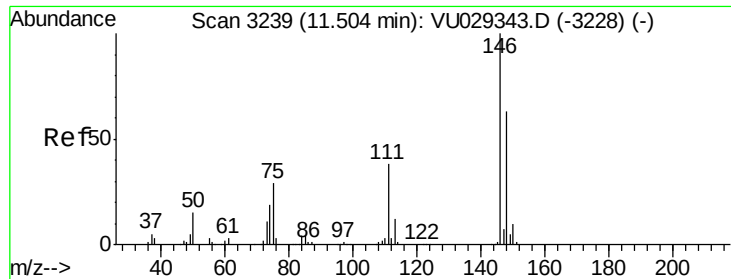
Acq: 05 Feb 2019 11:43

Tgt Ion:	146	Resp:	69050
Ion Ratio	Lower	Upper	
146	100		
111	40.1	34.1	51.1
148	65.3	52.3	78.5



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





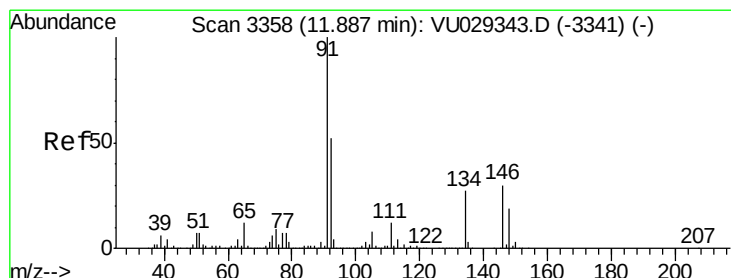
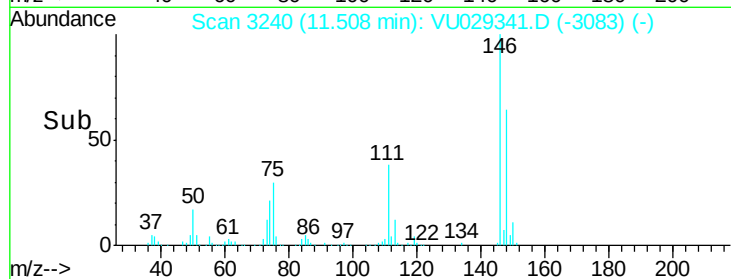
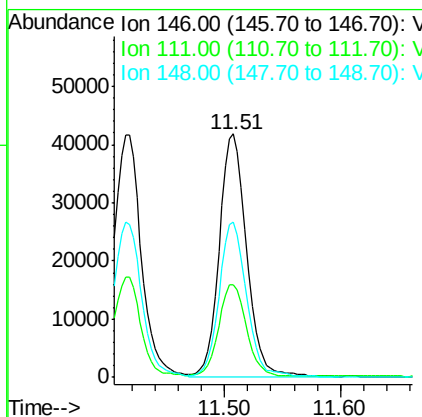
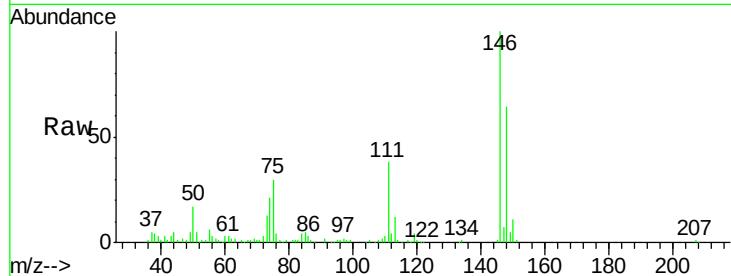
#83
 1,4-Dichlorobenzene
 Concen: 1.817 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	32.9	49.3
148	63.9	51.8	77.6

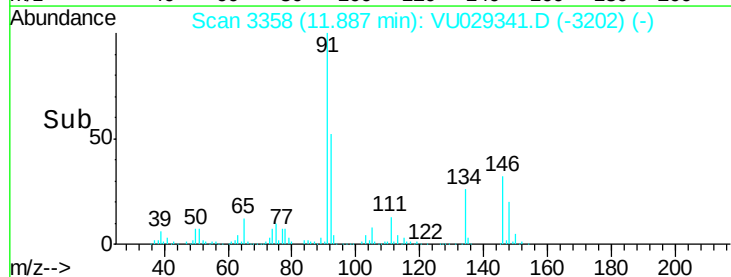
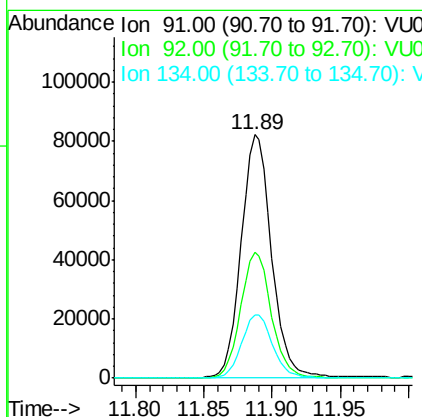
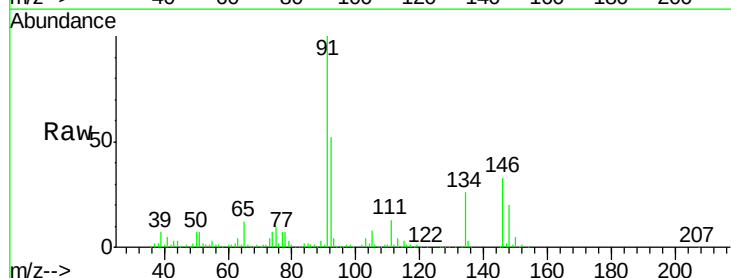
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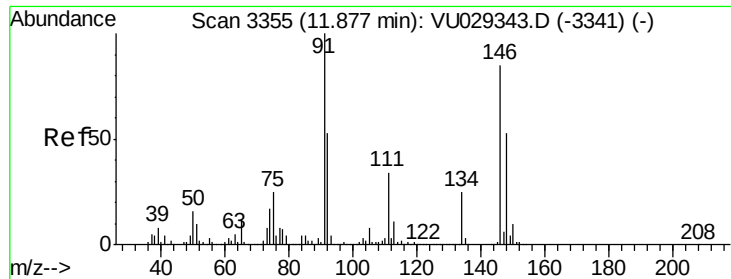
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#84
 n-Butylbenzene
 Concen: 1.839 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	41.0	61.6
134	26.8	19.1	28.7





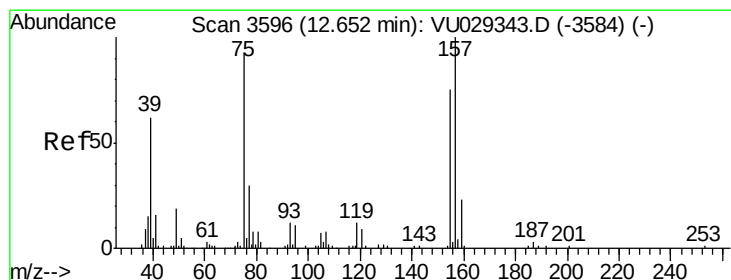
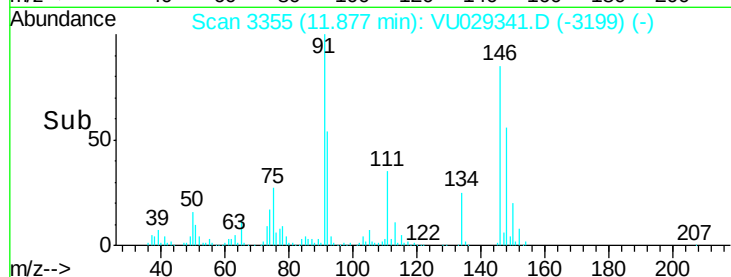
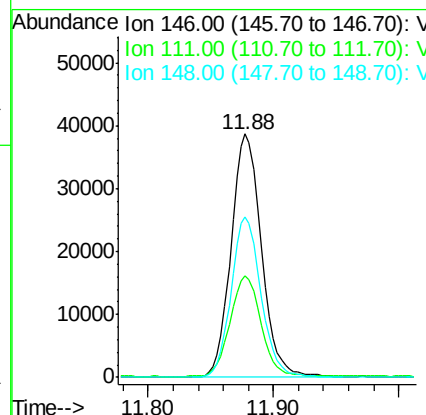
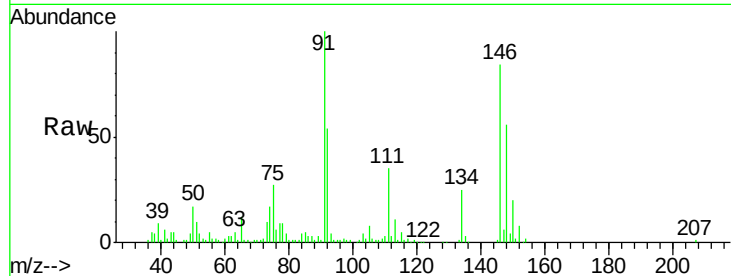
#85
 1,2-Dichlorobenzene
 Concen: 1.828 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.9	65.8
148	64.6	31.8	95.3

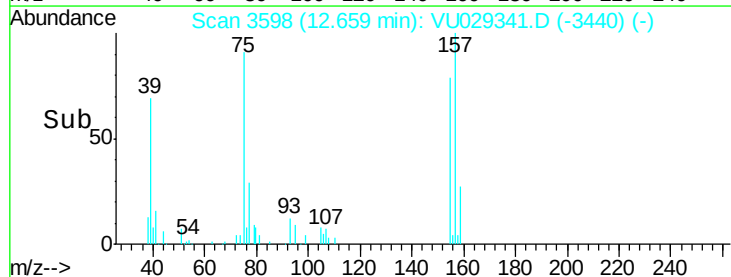
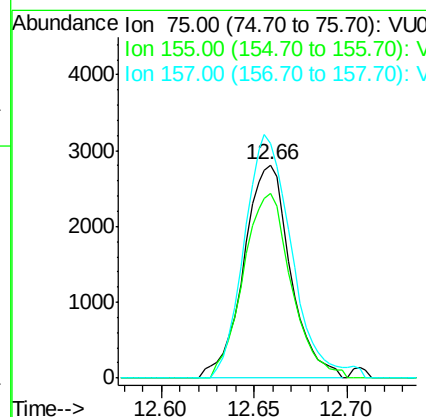
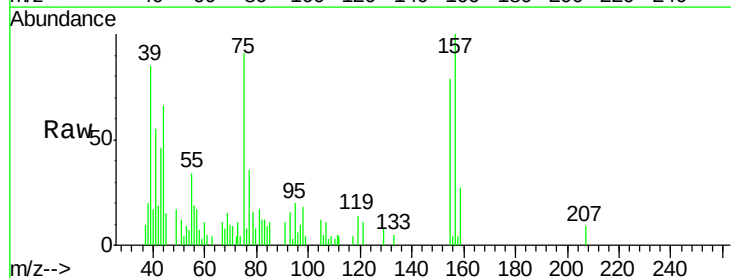
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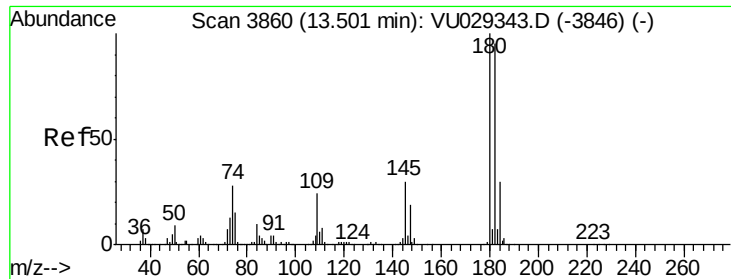
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.804 ug/l
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.01 min
 Lab File: VU029341.D
 Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	53.8	80.8#
157	114.1	69.2	103.8#





#87

1,2,4-Trichlorobenzene

Concen: 1.828 ug/l

RT: 13.50 min Scan# 3861

Delta R.T. 0.00 min

Lab File: VU029341.D

Acq: 05 Feb 2019 11:43

Instrument :

MSVOA_U

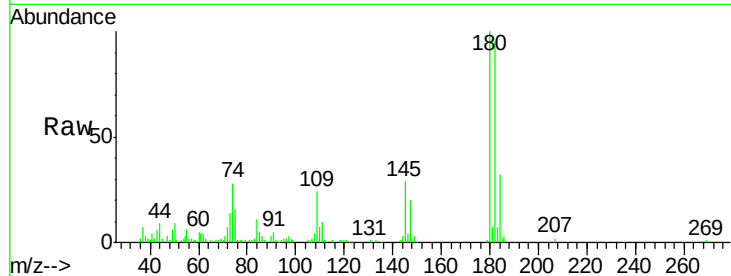
ClientSampleId :

VSTDIC002

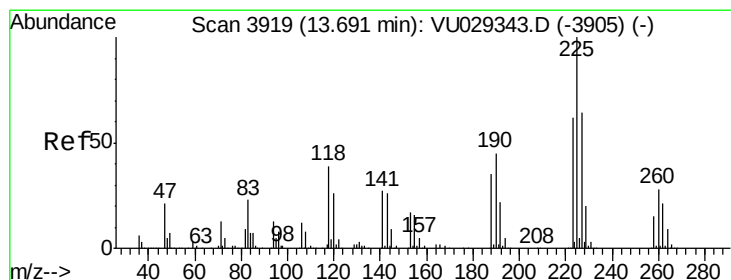
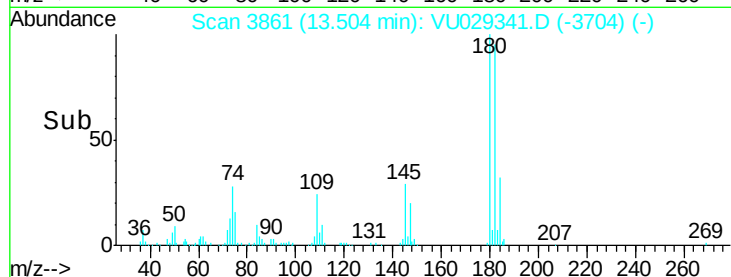
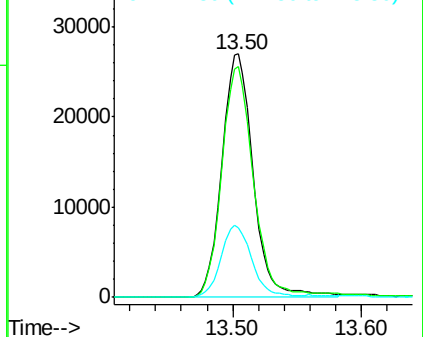
Tot Ion:	180	Resp:	45707
Ion Ratio	Lower	Upper	
180	100		
182	95.3	76.6	114.8
145	29.2	24.6	36.8

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



#88

Hexachlorobutadiene

Concen: 1.882 ug/l

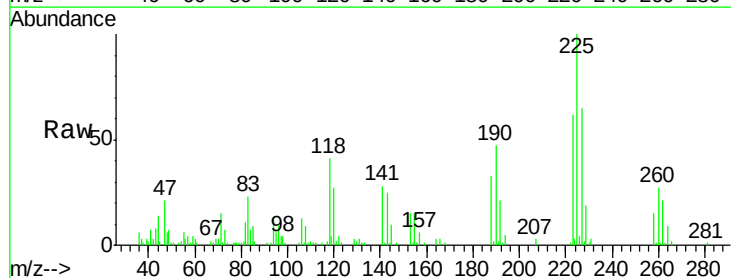
RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

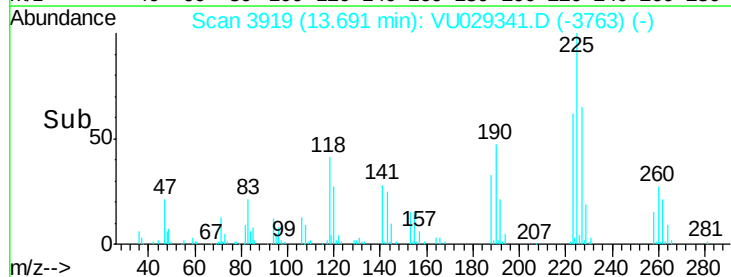
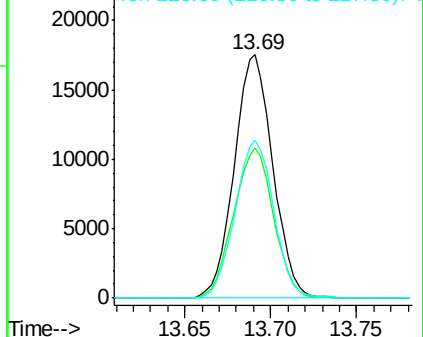
Lab File: VU029341.D

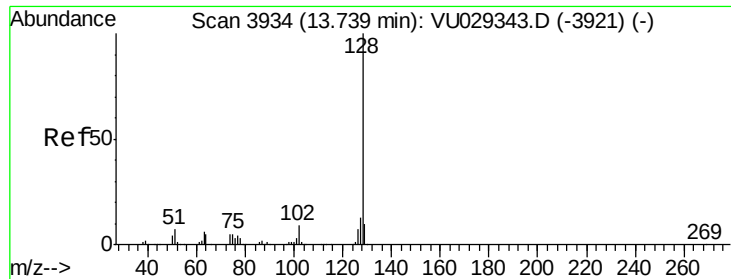
Acq: 05 Feb 2019 11:43

Tgt Ion:	225	Resp:	27262
Ion Ratio	Lower	Upper	
225	100		
223	64.0	49.5	74.3
227	65.0	50.4	75.6



Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V





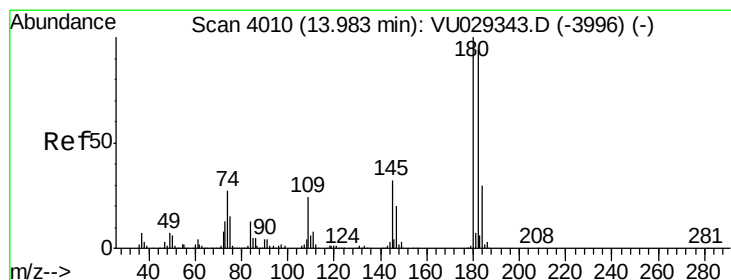
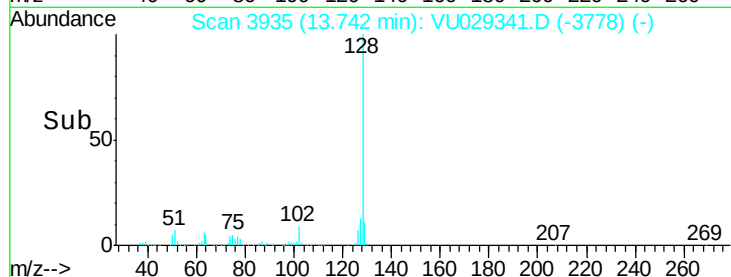
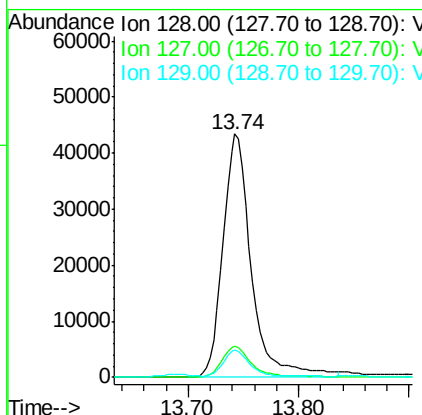
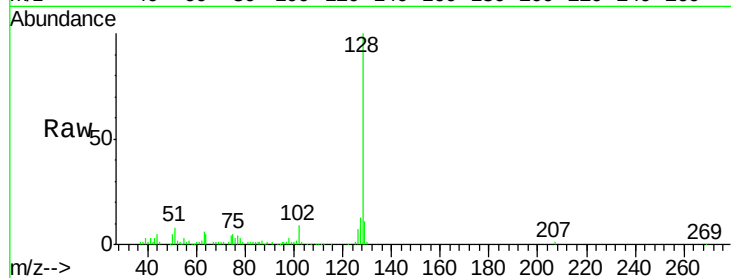
#89
Naphthalene
Concen: 1.835 ug/l
RT: 13.74 min Scan# 3935
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.7	16.1
129	9.6	8.2	12.4

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#90
1,2,3-Trichlorobenzene
Concen: 1.848 ug/l
RT: 13.99 min Scan# 4011
Delta R.T. 0.00 min
Lab File: VU029341.D
Acq: 05 Feb 2019 11:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.0	117.0
145	32.1	26.6	39.8

