

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033982.D
 Acq On : 27 Aug 2019 19:05
 Operator : JC/SP
 Sample : VU0828WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:58:05 AM

Quant Time: Aug 28 04:28:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:42:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	351029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	521307	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	504501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	266875	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	194890	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	4.86	113	175550	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	7.55	98	668567	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
62) 4-Bromofluorobenzene	10.29	95	239745	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	71305	20.196	ug/l	98
3) Chloromethane	1.32	50	78109	20.967	ug/l	99
4) Vinyl Chloride	1.40	62	68014	19.296	ug/l	99
5) Bromomethane	1.61	94	44485	20.765	ug/l	98
6) Chloroethane	1.68	64	39415	18.781	ug/l	100
7) Trichlorofluoromethane	1.87	101	92351	19.912	ug/l	99
8) Diethyl Ether	2.09	74	34331	19.515	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	60081	20.284	ug/l	99
10) Methyl Iodide	2.40	142	86147	19.421	ug/l	99
11) Tert butyl alcohol	2.81	59	94252	93.309	ug/l #	87
12) 1,1-Dichloroethene	2.27	96	62512	20.220	ug/l	98
13) Acrolein	2.18	56	29500	91.963	ug/l	100
14) Allyl chloride	2.58	41	107067	19.559	ug/l	99
15) Acrylonitrile	2.92	53	203844	99.827	ug/l	98
16) Acetone	2.31	43	162665	87.142	ug/l	99
17) Carbon Disulfide	2.46	76	195201	19.228	ug/l	99
18) Methyl Acetate	2.60	43	88969	19.351	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	211192	20.335	ug/l	99
20) Methylene Chloride	2.68	84	76266	19.257	ug/l	100
21) trans-1,2-Dichloroethene	2.96	96	69838	19.813	ug/l	98
22) Diisopropyl ether	3.55	45	208305	20.711	ug/l	100
23) Vinyl Acetate	3.50	43	864552	101.183	ug/l	99
24) 1,1-Dichloroethane	3.42	63	126376	20.070	ug/l	100
25) 2-Butanone	4.24	43	257772	96.335	ug/l	99
26) 2,2-Dichloropropane	4.20	77	98449	18.490	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	79235	20.081	ug/l	98
28) Bromochloromethane	4.52	49	56906	19.642	ug/l	99
29) Tetrahydrofuran	4.61	42	165646	98.974	ug/l	100
30) Chloroform	4.65	83	126583	19.632	ug/l	100
31) Cyclohexane	4.97	56	114915	19.985	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	107491	19.802	ug/l	99
36) 1,1-Dichloropropene	5.11	75	90947	19.048	ug/l	98
37) Ethyl Acetate	4.36	43	94210	19.672	ug/l	98
38) Carbon Tetrachloride	5.11	117	96468	19.825	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	109807	19.436	ug/l	96
40) Benzene	5.37	78	286688	20.195	ug/l	100
41) Methacrylonitrile	4.52	41	50667	20.417	ug/l	99
42) 1,2-Dichloroethane	5.38	62	95988	19.995	ug/l	98
43) Isopropyl Acetate	5.53	43	145362	19.796	ug/l	99
44) Trichloroethene	6.17	130	80199	19.813	ug/l	98
45) 1,2-Dichloropropane	6.41	63	75890	19.982	ug/l	96
46) Dibromomethane	6.54	93	52050	20.151	ug/l	98
47) Bromodichloromethane	6.74	83	98407	20.003	ug/l	98
48) Methyl methacrylate	6.60	41	67665	19.381	ug/l	98
49) 1,4-Dioxane	6.59	88	37635	392.791	ug/l #	99
51) 4-Methyl-2-Pentanone	7.44	43	491920	97.163	ug/l	100
52) Toluene	7.62	92	183234	20.470	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	103549	19.034	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	114895	19.537	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	73589	19.456	ug/l	100
56) Ethyl methacrylate	8.00	69	107278	19.601	ug/l	98
57) 1,3-Dichloropropane	8.22	76	122742	19.912	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	172896	89.121	ug/l	100
59) 2-Hexanone	8.34	43	375898	96.595	ug/l	99
60) Dibromochloromethane	8.46	129	82825	19.473	ug/l	99
61) 1,2-Dibromoethane	8.57	107	77868	19.493	ug/l	99
64) Tetrachloroethene	8.21	164	83642	20.620	ug/l	96
65) Chlorobenzene	9.10	112	204739	19.708	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	74654	19.274	ug/l	98
67) Ethyl Benzene	9.23	91	344883	19.911	ug/l	99
68) m/p-Xylenes	9.36	106	268417	40.181	ug/l	100
69) o-Xylene	9.76	106	128933	20.188	ug/l	97
70) Styrene	9.77	104	221428	20.258	ug/l	99
71) Bromoform	9.94	173	65124	18.994	ug/l #	99
73) Isopropylbenzene	10.15	105	349250	20.334	ug/l	99
74) N-amyl acetate	10.00	43	125529	19.470	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.44	83	118648	19.179	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	103231m	19.414	ug/l	
77) Bromobenzene	10.43	156	96232	19.827	ug/l	99
78) n-propylbenzene	10.57	91	392278	20.139	ug/l	100
79) 2-Chlorotoluene	10.64	91	237713	20.225	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	302978	20.596	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	35626m	19.190	ug/l	
82) 4-Chlorotoluene	10.75	91	267182	19.637	ug/l	100
83) tert-Butylbenzene	11.08	119	283886	19.880	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	298533	20.671	ug/l	100
85) sec-Butylbenzene	11.31	105	339876	19.943	ug/l	100
86) p-Isopropyltoluene	11.46	119	322991	20.248	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	166914	19.385	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	165171	19.007	ug/l	99
89) n-Butylbenzene	11.87	91	259810	19.487	ug/l	98
90) Hexachloroethane	12.13	117	49233	18.660	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	164295	19.384	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	24437	19.721	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	99562	17.861	ug/l	98
94) Hexachlorobutadiene	13.68	225	64706	18.622	ug/l	100
95) Naphthalene	13.73	128	260884	17.259	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	104189	19.237	ug/l	98

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

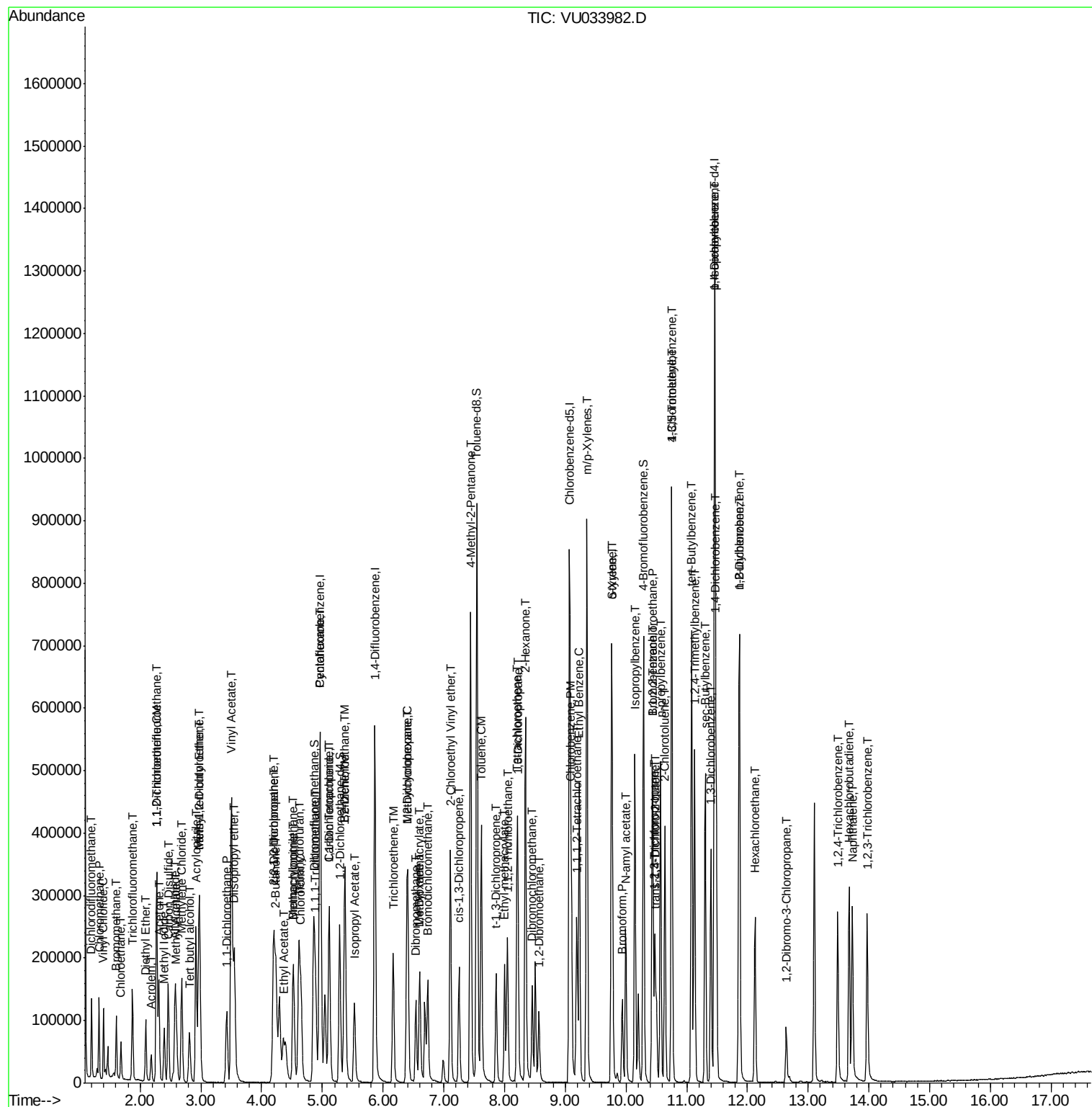
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU082819\
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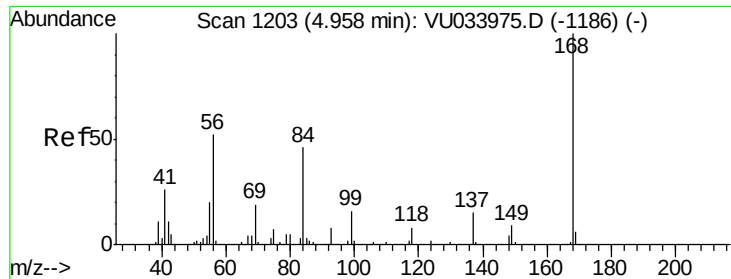
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion:168 Resp: 351029

Ion Ratio Lower Upper

168 100

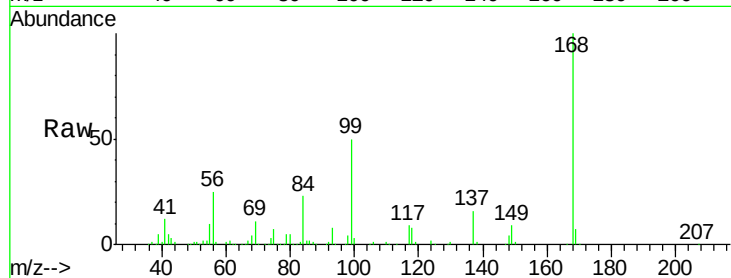
99 49.7 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU033975.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033975.D (-1186) (-)

150000

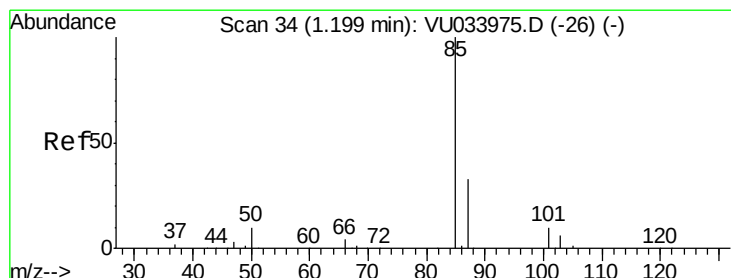
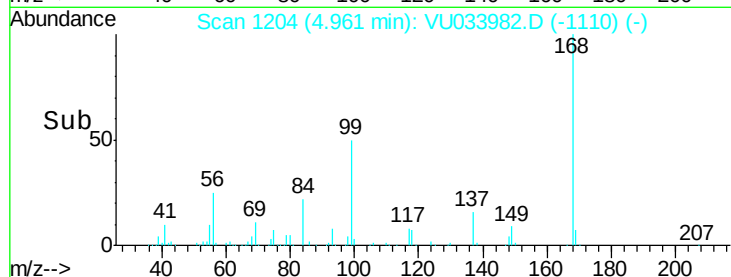
100000

50000

0

4.90 4.96 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.196 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033982.D

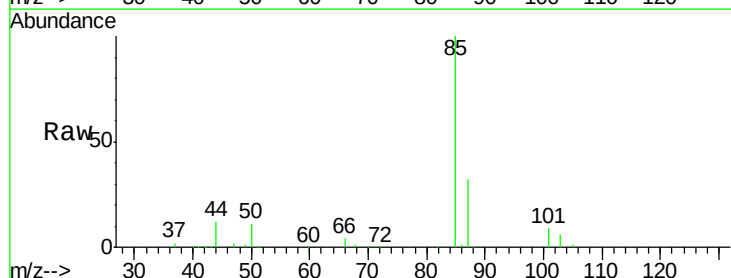
Acq: 27 Aug 2019 19:05

Tgt Ion: 85 Resp: 71305

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VU033975.D (-26) (-)

Ion 86.90 (86.60 to 87.60): VU033975.D (-26) (-)

80000

60000

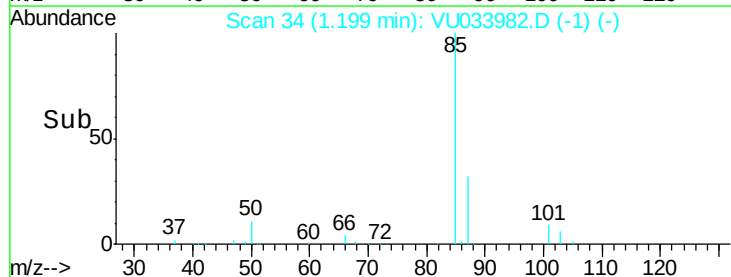
40000

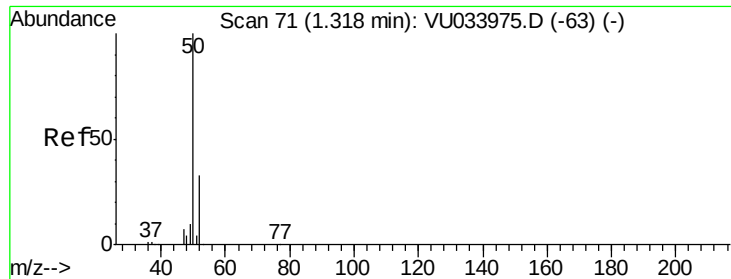
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.967 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion: 50 Resp: 78109

Ion Ratio Lower Upper

50 100

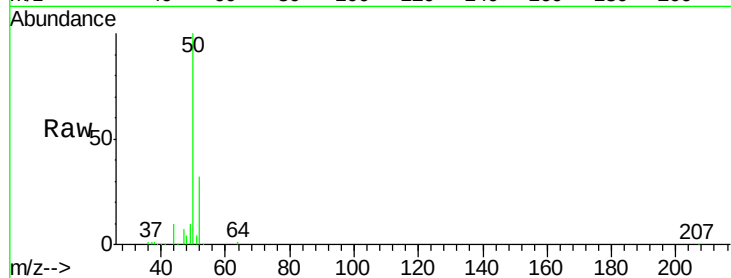
52 32.1 26.2 39.2

Manual Integrations

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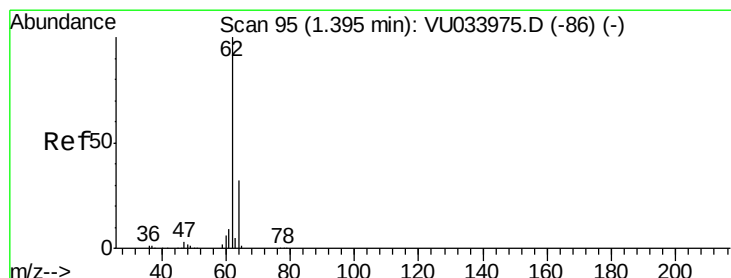
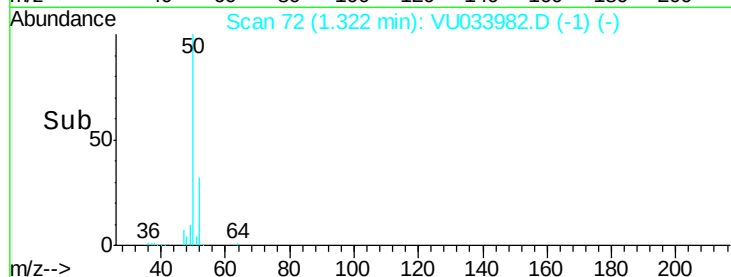
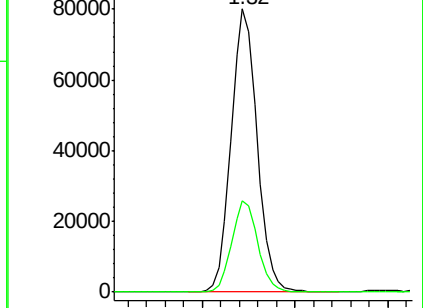
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Abundance Ion 49.90 (49.60 to 50.60): VU033975.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU033982.D (-1) (-)



#4

Vinyl Chloride

Concen: 19.296 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033982.D

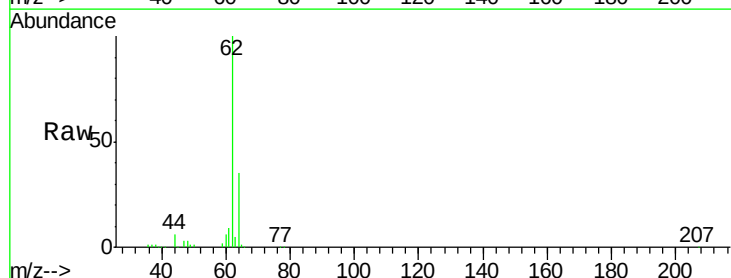
Acq: 27 Aug 2019 19:05

Tgt Ion: 62 Resp: 68014

Ion Ratio Lower Upper

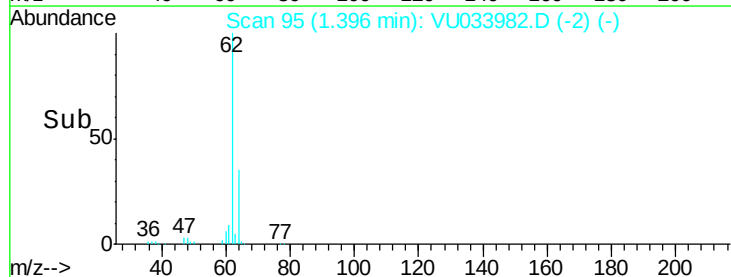
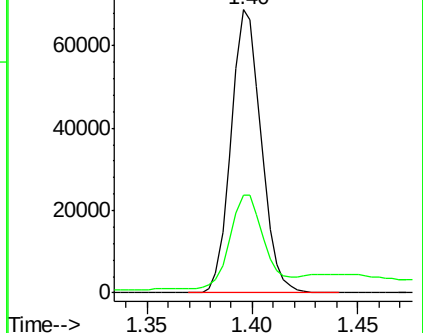
62 100

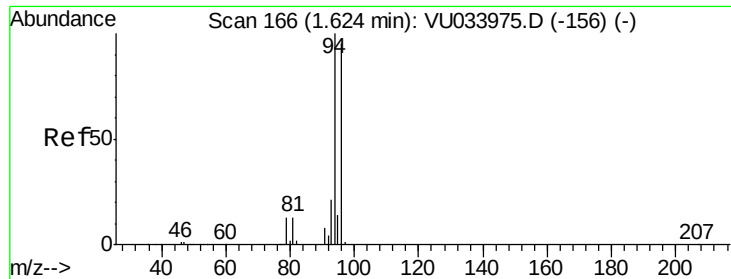
64 33.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU033975.D (-86) (-)

Ion 63.90 (63.60 to 64.60): VU033982.D (-2) (-)





#5

Bromomethane

Concen: 20.765 ug/l

RT: 1.61 min Scan# 161

Delta R.T. -0.02 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

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ClientSampleId :

VU0828WBS01

Tot Ion: 94 Resp: 44485

Ion Ratio Lower Upper

94 100

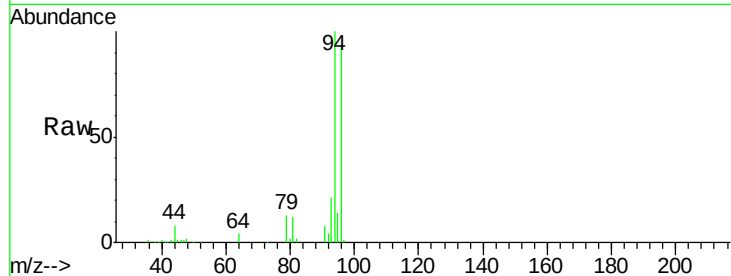
96 93.3 76.3 114.5

Manual Integrations

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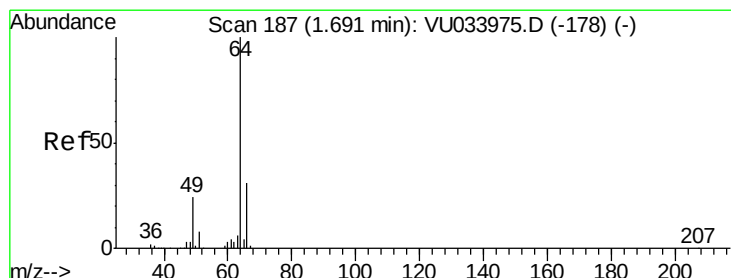
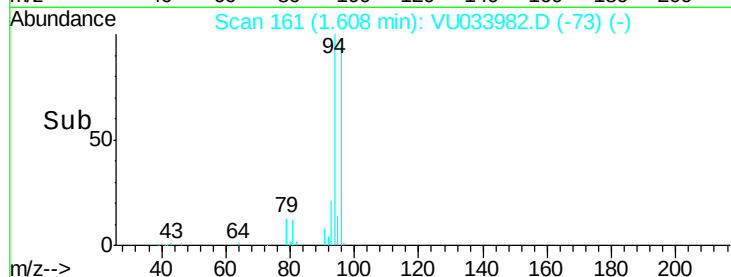
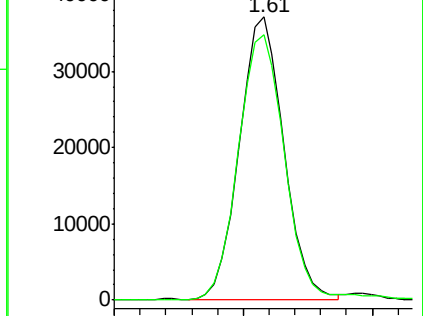
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 18.781 ug/l

RT: 1.68 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU033982.D

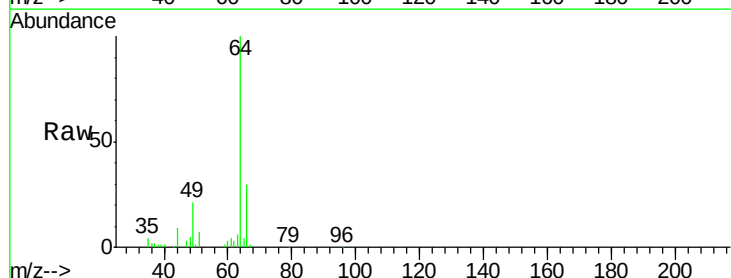
Acq: 27 Aug 2019 19:05

Tgt Ion: 64 Resp: 39415

Ion Ratio Lower Upper

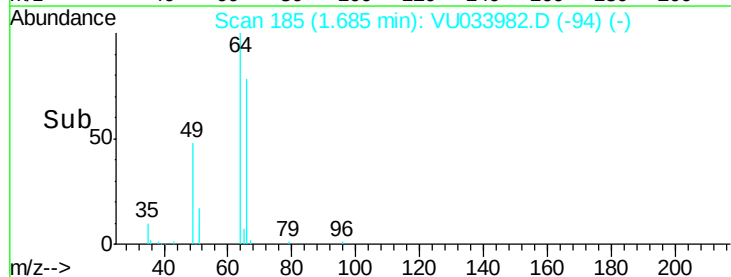
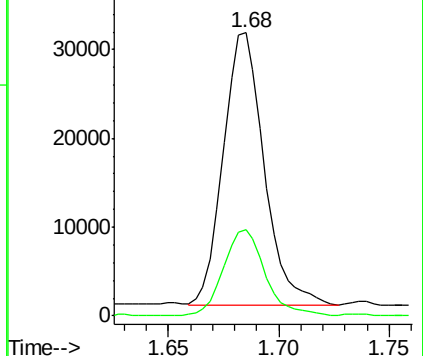
64 100

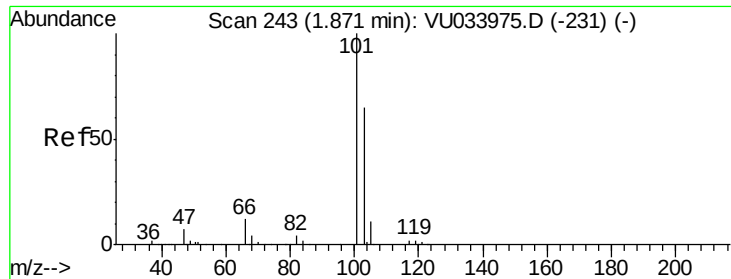
66 31.3 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

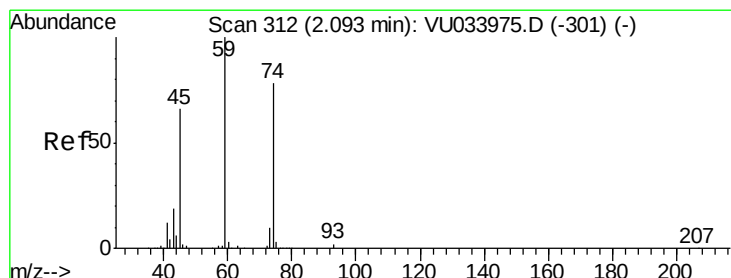
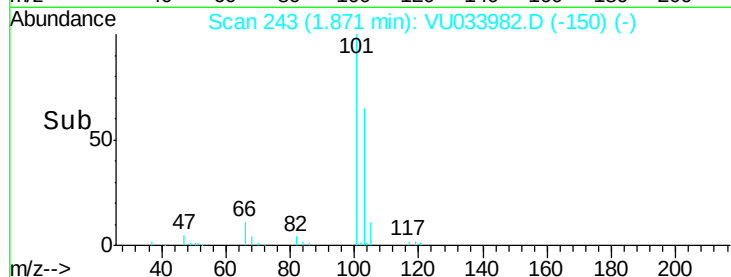
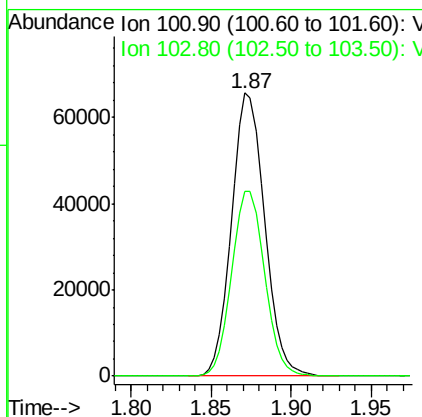
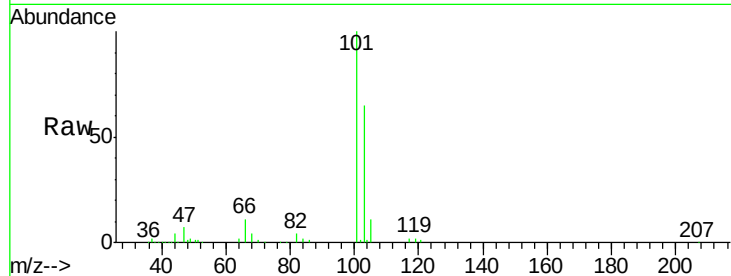
Trichlorofluoromethane
Concen: 19.912 ug/l
RT: 1.87 min Scan# 243
Delta R.T. 0.00 min
Lab File: VU033982.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.0	78.0

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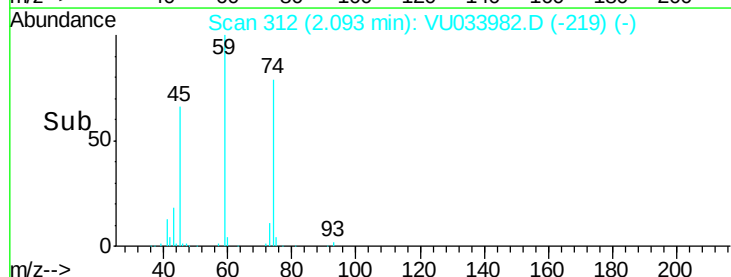
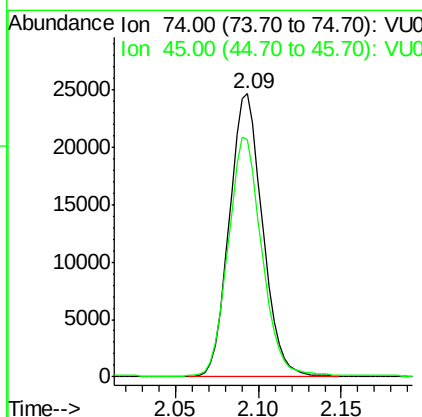
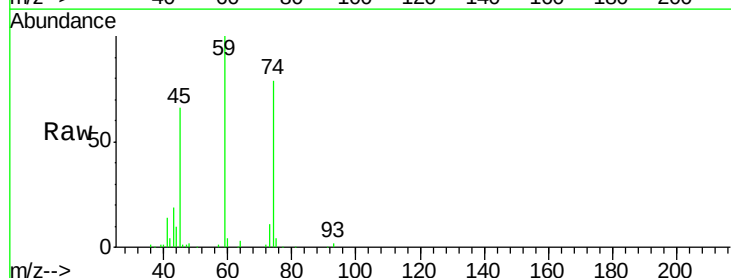
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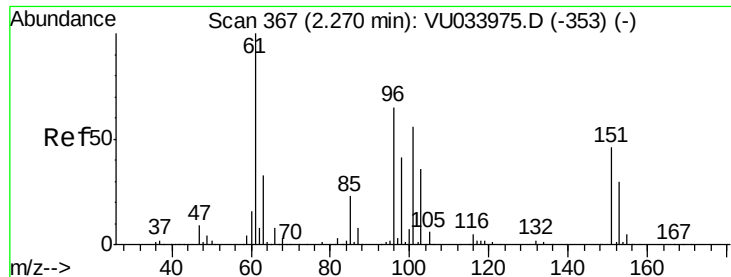


#8

Diethyl Ether
Concen: 19.515 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.9	42.8	128.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.284 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

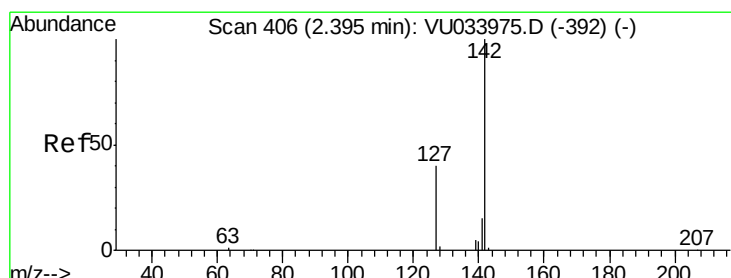
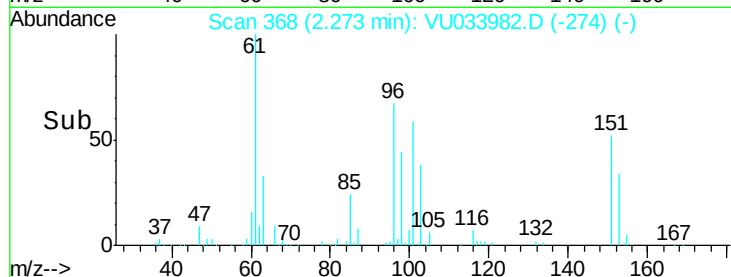
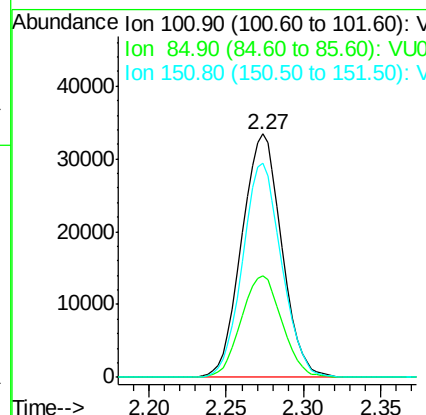
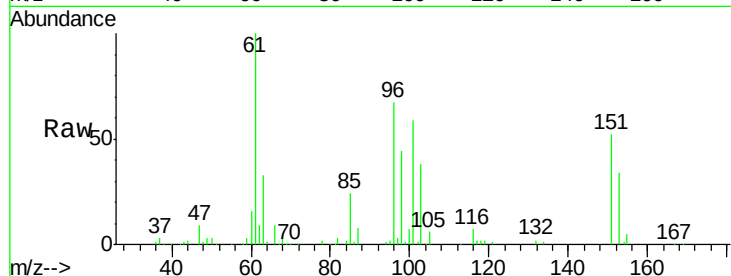
ClientSampleId :

VU0828WBS01

Tot Ion:	101	Resp:	60081
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.4	50.0
151	85.9	67.6	101.4

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#10

Methyl Iodide

Concen: 19.421 ug/l

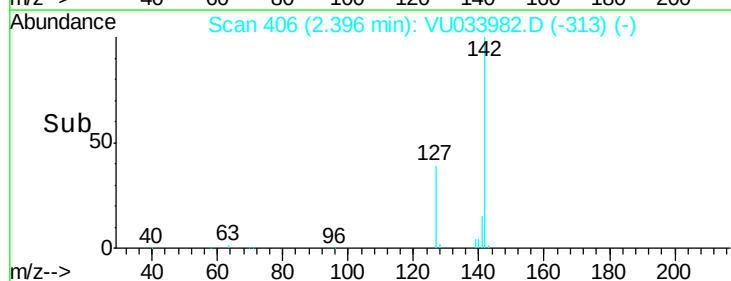
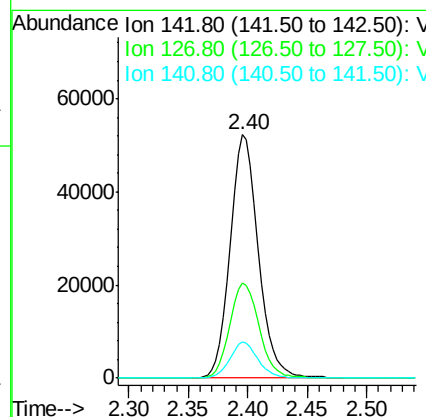
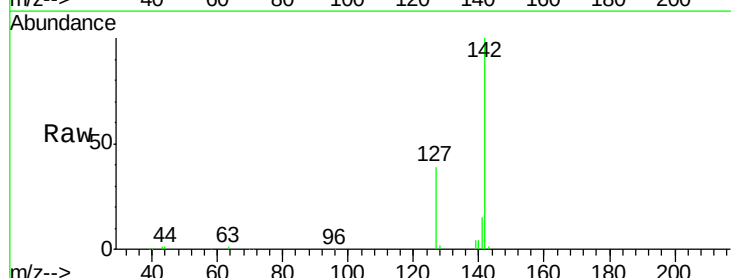
RT: 2.40 min Scan# 406

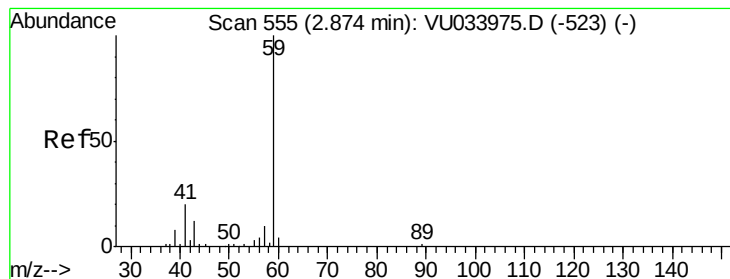
Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Tgt Ion:	142	Resp:	86147
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.2	48.2
141	14.6	11.8	17.8





#11

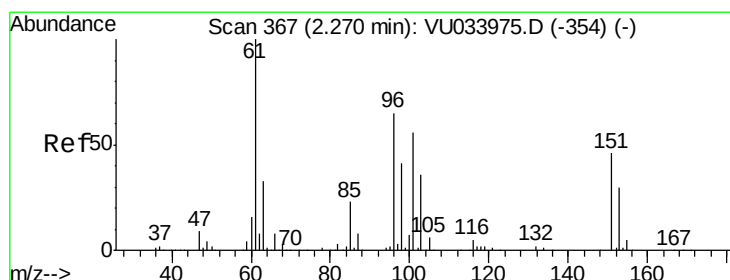
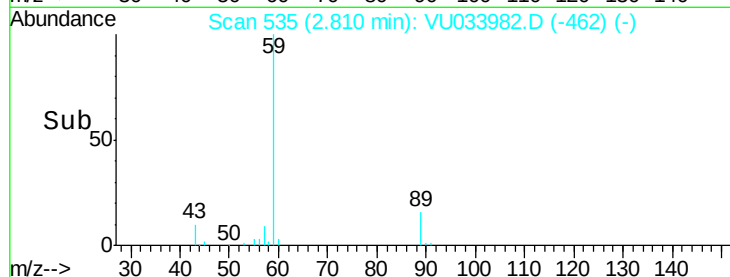
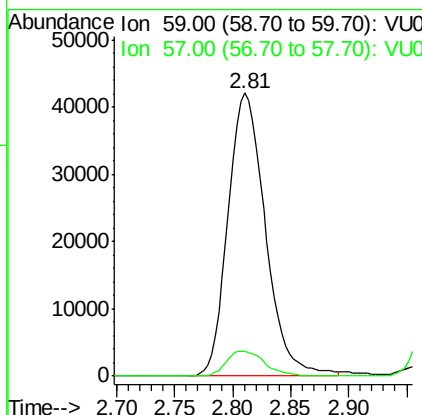
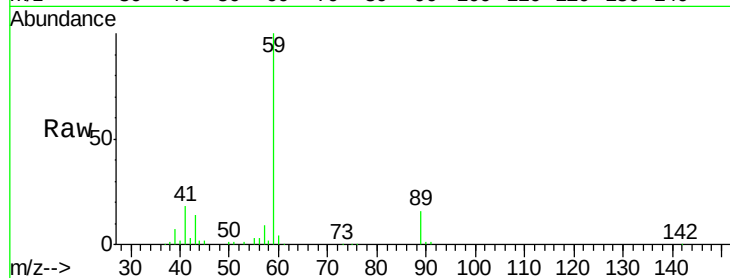
Tert butyl alcohol
 Concen: 93.309 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.06 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBS01

Tot Ion	59	Resp	94252
Ion Ratio	100	Lower	Upper
57	9.2	3.9	5.9#

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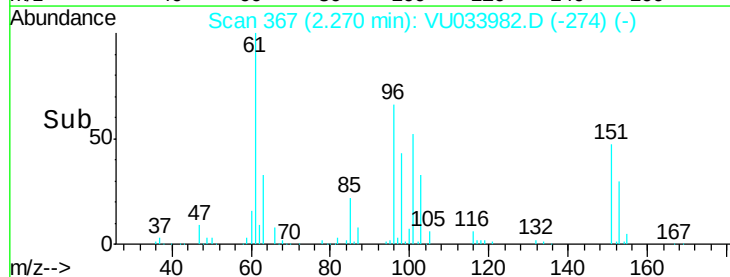
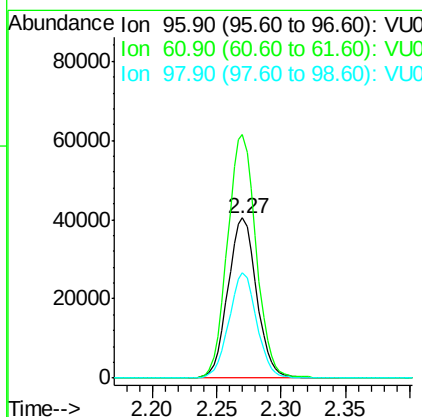
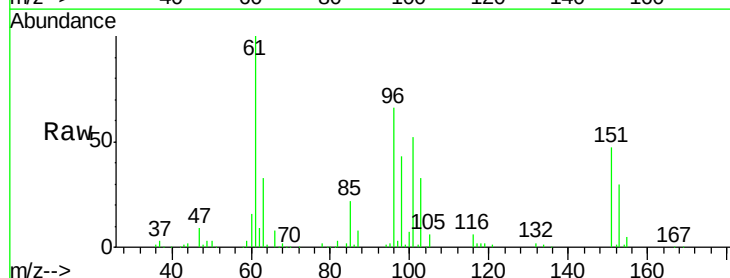
MMDadoda
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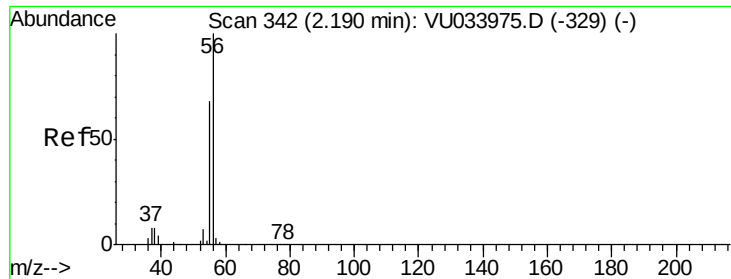


#12

1,1-Dichloroethene
 Concen: 20.220 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Tgt Ion	96	Resp	62512
Ion Ratio	100	Lower	Upper
61	152.3	123.3	184.9
98	66.1	50.5	75.7





#13

Acrolein

Concen: 91.963 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion: 56 Resp: 29500

Ion Ratio Lower Upper

56 100

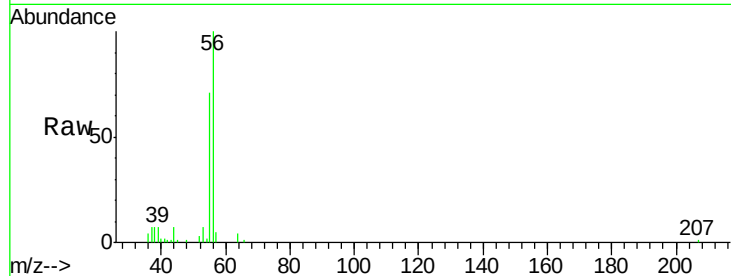
55 72.6 58.0 87.0

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Abundance Ion 56.00 (55.70 to 56.70): VU033975.D (-329) (-)

Ion 55.00 (54.70 to 55.70): VU033975.D (-329) (-)

20000

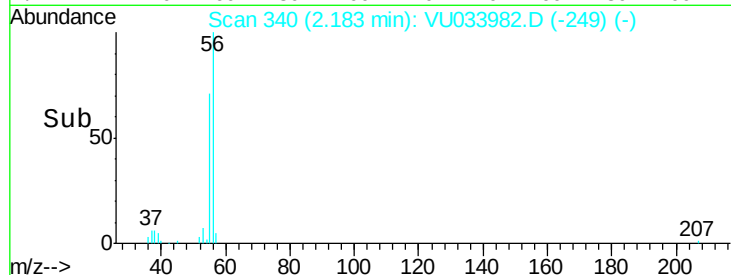
15000

10000

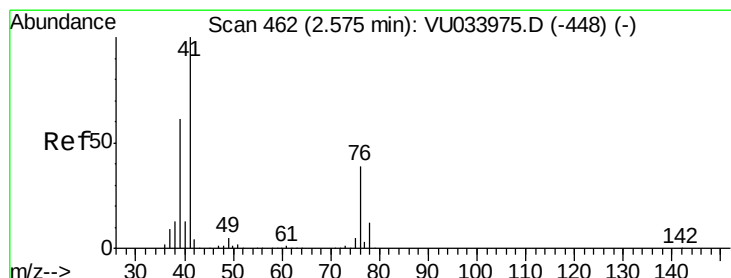
5000

0

Time-->



Time-->



#14

Allyl chloride

Concen: 19.559 ug/l

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

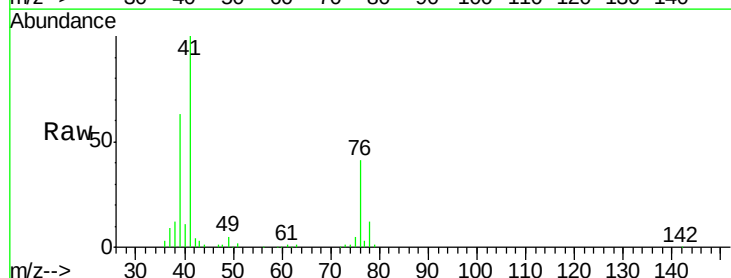
Tgt Ion: 41 Resp: 107067

Ion Ratio Lower Upper

41 100

39 58.4 45.9 68.9

76 36.0 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VU033975.D (-448) (-)

Ion 39.00 (38.70 to 39.70): VU033975.D (-448) (-)

Ion 75.90 (75.60 to 76.60): VU033975.D (-448) (-)

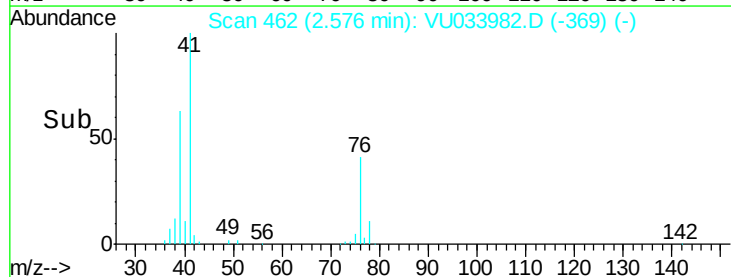
150000

100000

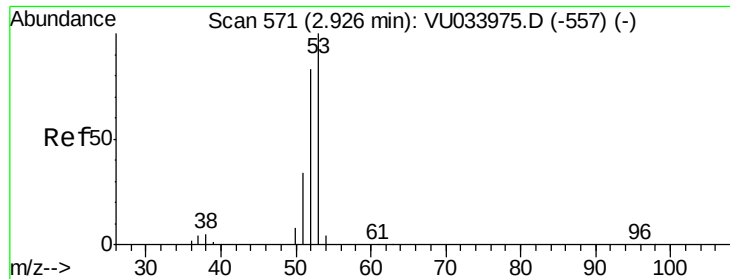
50000

0

Time-->



Time-->



#15

Acrylonitrile

Concen: 99.827 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.01 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

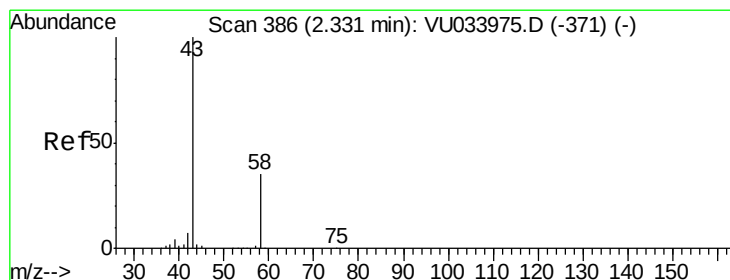
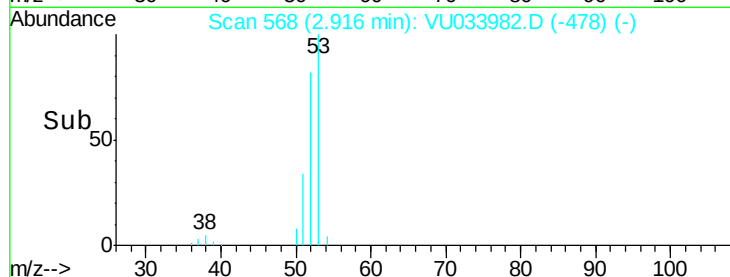
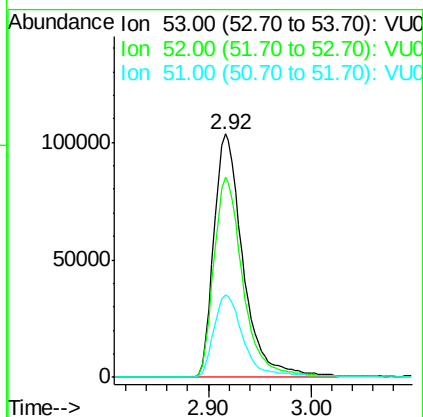
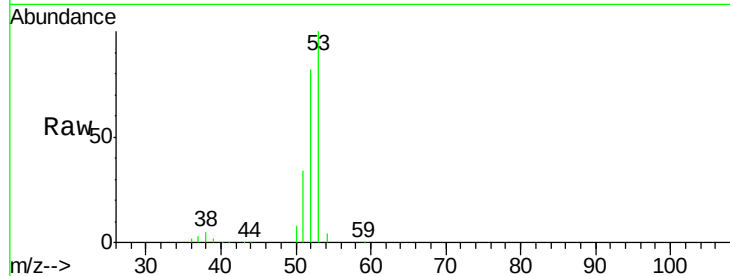
ClientSampleId :

VU0828WBS01

Tot Ion:	53	Resp:	203844
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.7	100.1
51	34.9	27.5	41.3

Manual Integrations
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#16

Acetone

Concen: 87.142 ug/l

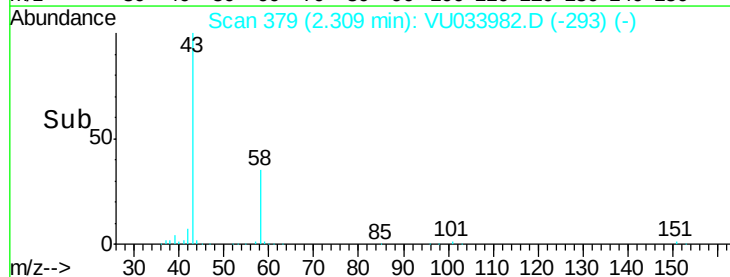
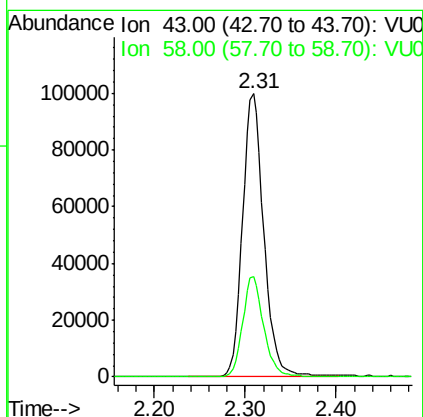
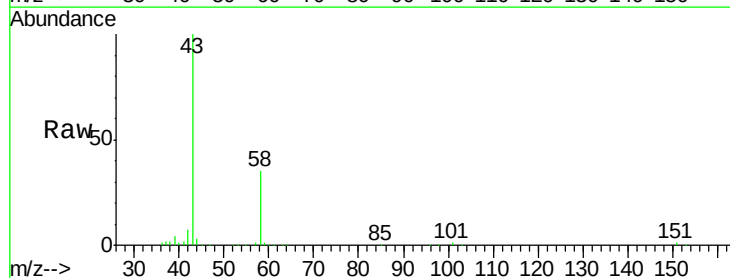
RT: 2.31 min Scan# 379

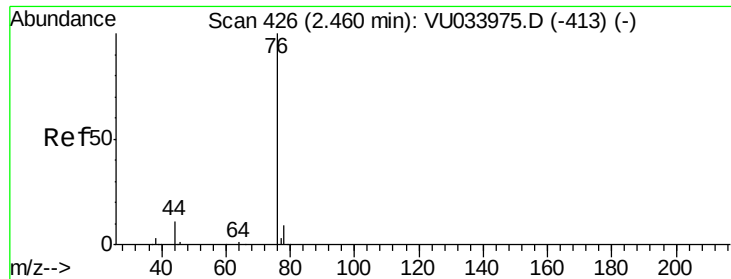
Delta R.T. -0.02 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Tgt Ion:	43	Resp:	162665
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.0	42.0





#17

Carbon Disulfide

Concen: 19.228 ug/l

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion: 76 Resp: 195201

Ion Ratio Lower Upper

76 100

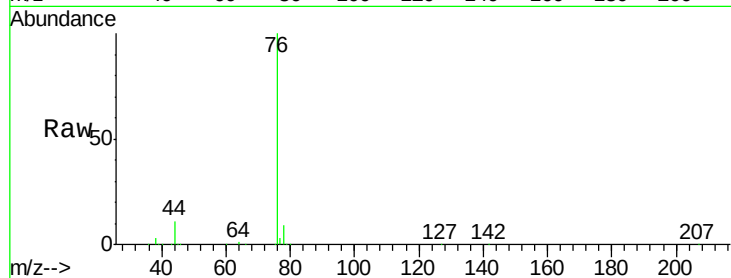
78 9.0 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU033975.D (-413) (-)

Ion 77.90 (77.60 to 78.60): VU033975.D (-413) (-)

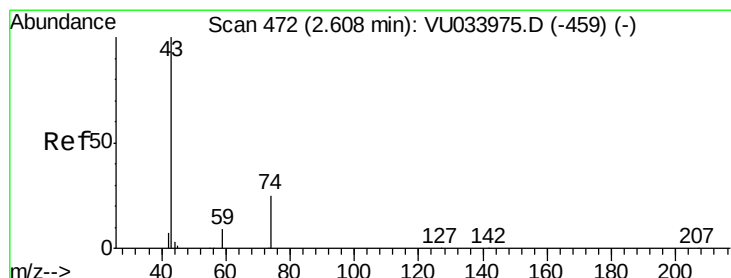
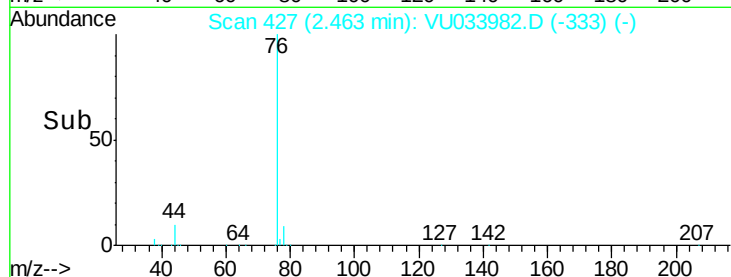
2.46

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.351 ug/l

RT: 2.60 min Scan# 470

Delta R.T. -0.01 min

Lab File: VU033982.D

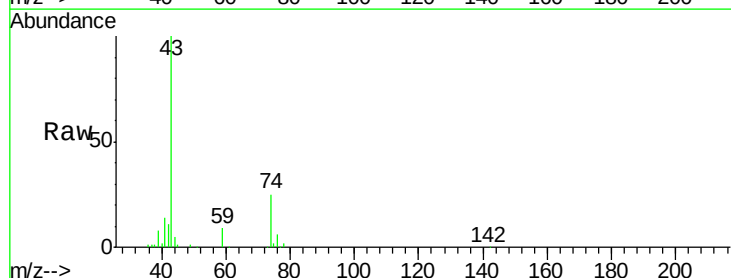
Acq: 27 Aug 2019 19:05

Tgt Ion: 43 Resp: 88969

Ion Ratio Lower Upper

43 100

74 24.9 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-459) (-)

Ion 74.00 (73.70 to 74.70): VU033975.D (-459) (-)

2.60

50000

40000

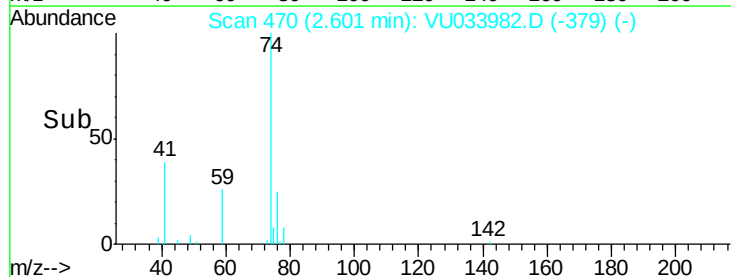
30000

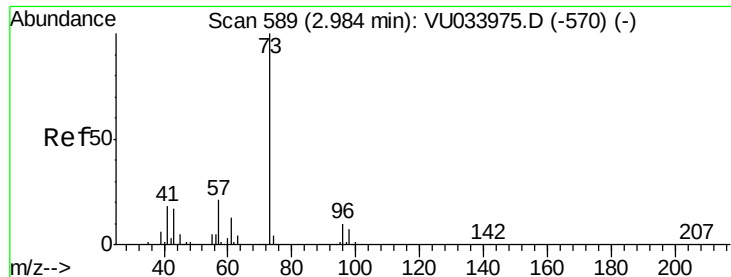
20000

10000

0

Time-->





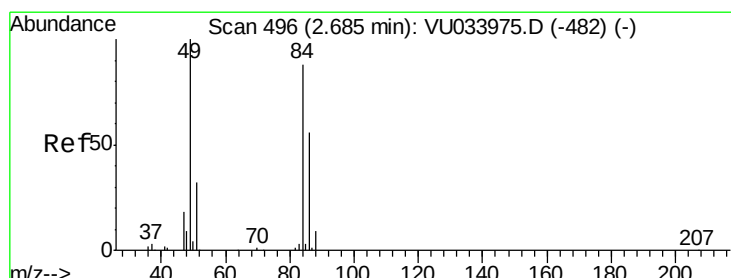
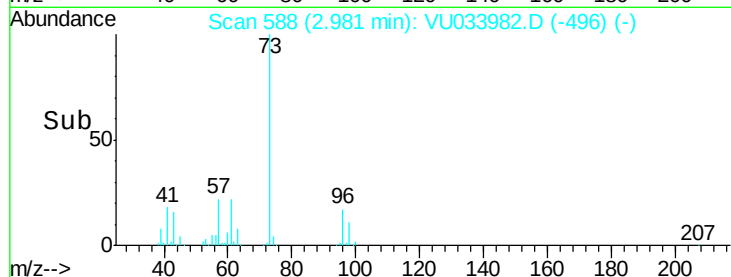
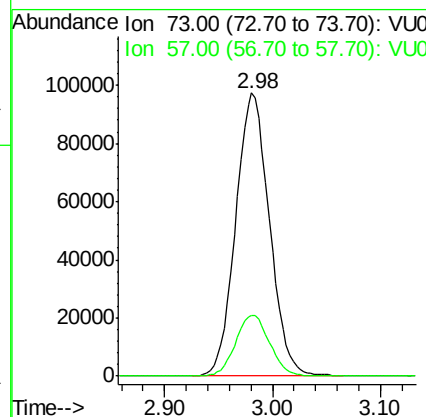
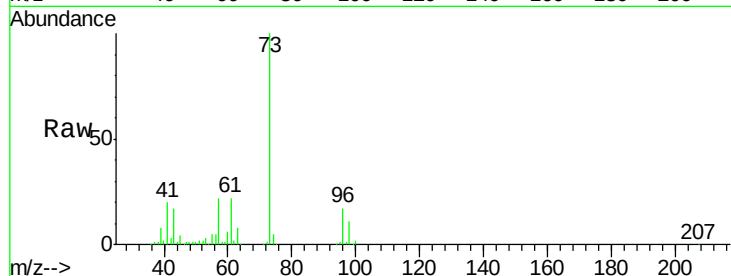
#19
Methyl tert-butyl Ether
Concen: 20.335 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.5	26.3

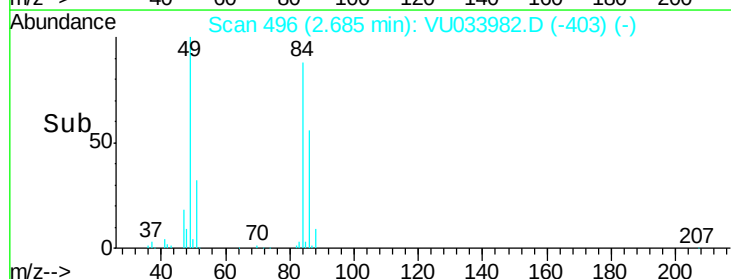
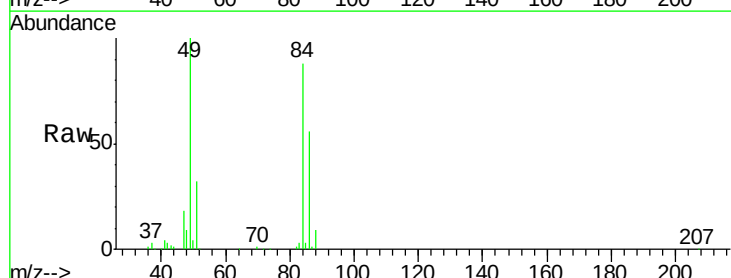
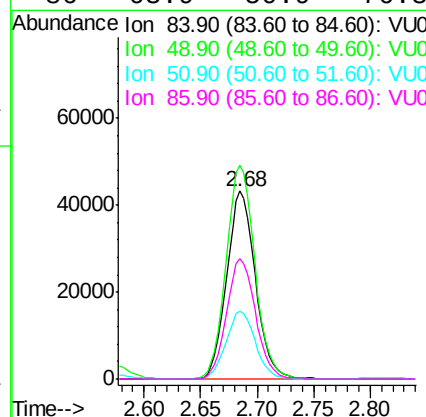
Manual Integrations
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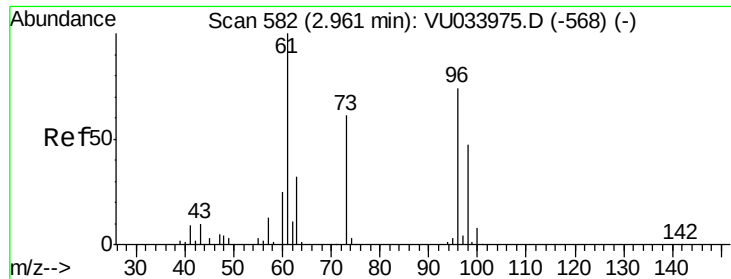
MMDadoda
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#20
Methylene Chloride
Concen: 19.257 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.8	91.3	136.9
51	36.2	28.9	43.3
86	63.9	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 19.813 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion: 96 Resp: 69838

Ion Ratio Lower Upper

96 100

61 138.5 108.2 162.2

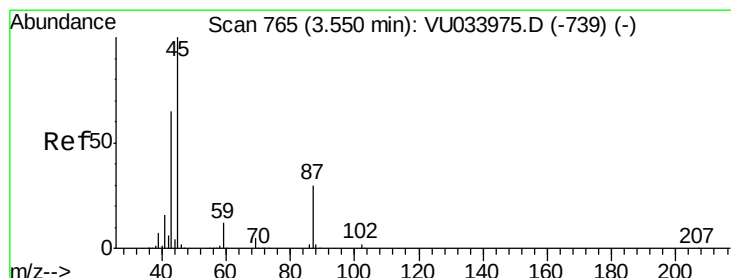
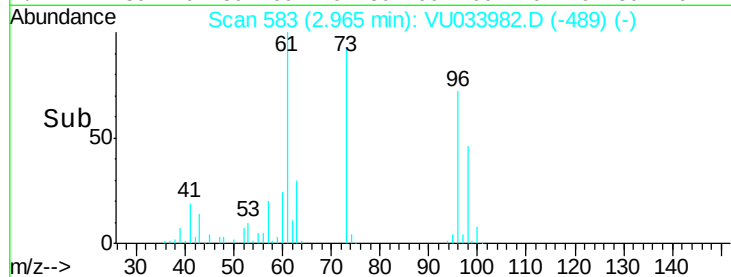
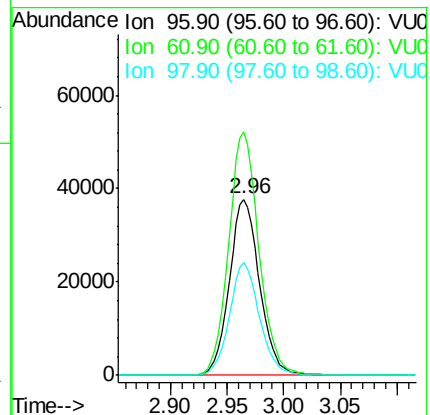
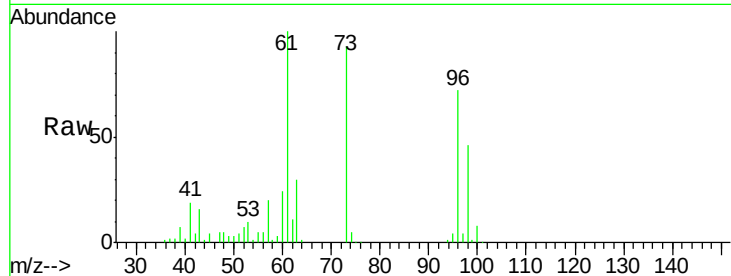
98 64.2 50.3 75.5

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#22

Diisopropyl ether

Concen: 20.711 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Tgt Ion: 45 Resp: 208305

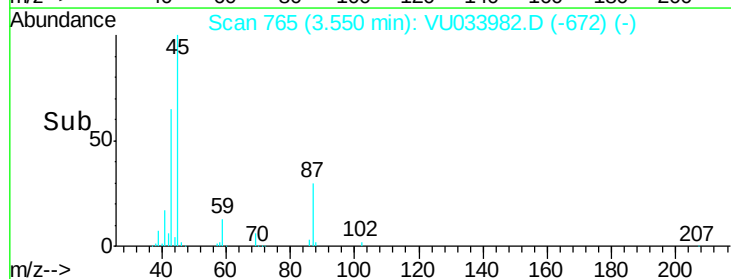
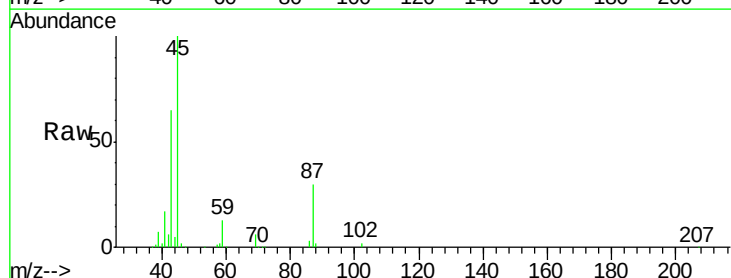
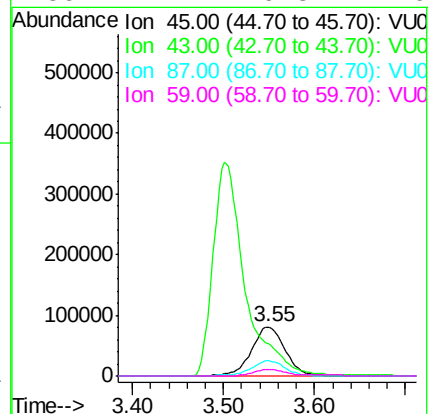
Ion Ratio Lower Upper

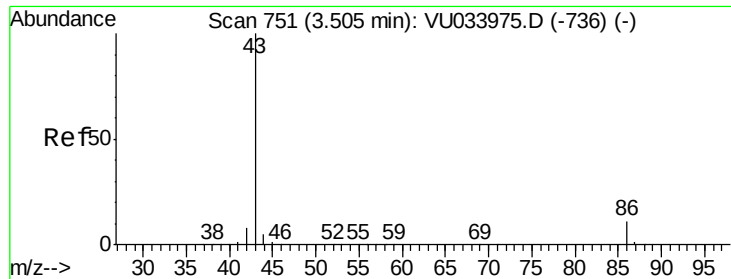
45 100

43 64.2 51.6 77.4

87 30.3 24.4 36.6

59 12.7 9.8 14.6





#23

Vinyl Acetate

Concen: 101.183 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion: 43 Resp: 864552

Ion Ratio Lower Upper

43 100

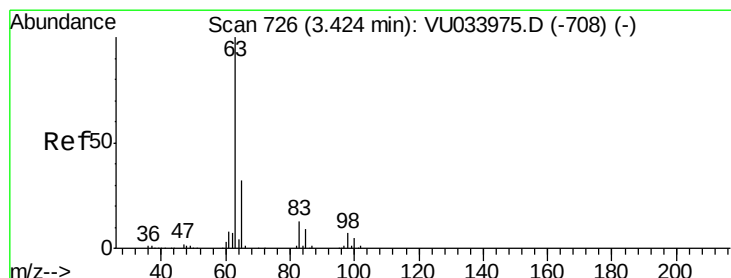
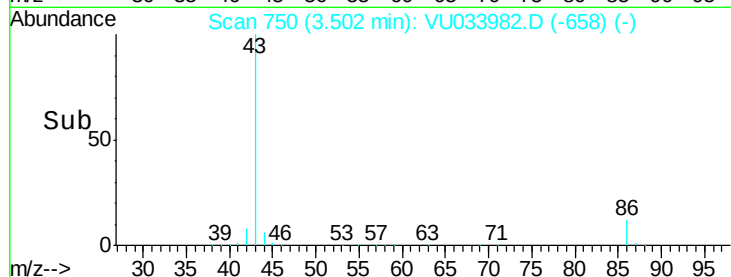
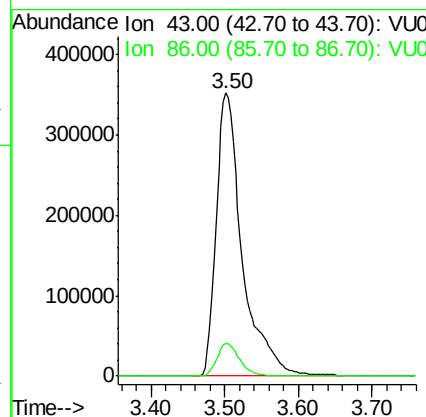
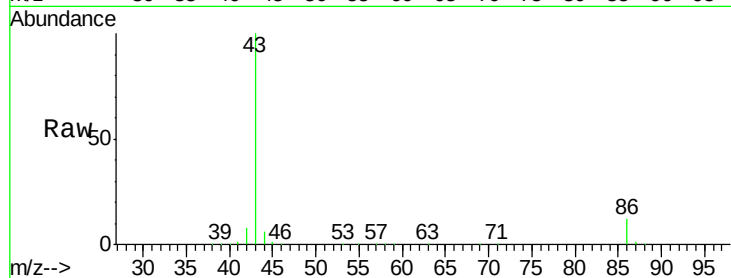
86 11.7 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.070 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

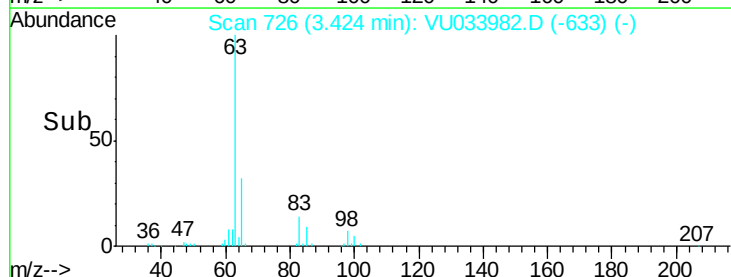
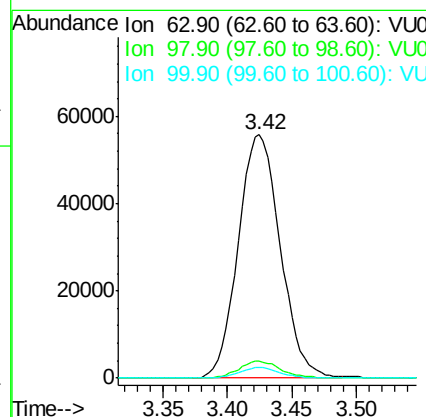
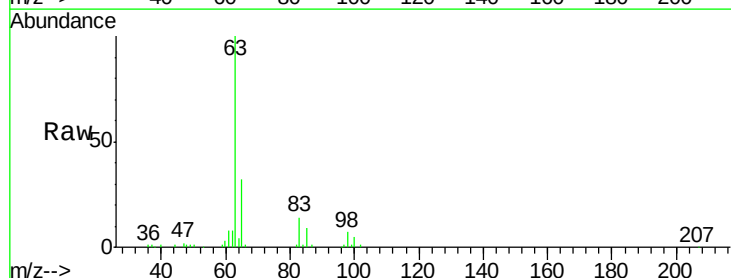
Tgt Ion: 63 Resp: 126376

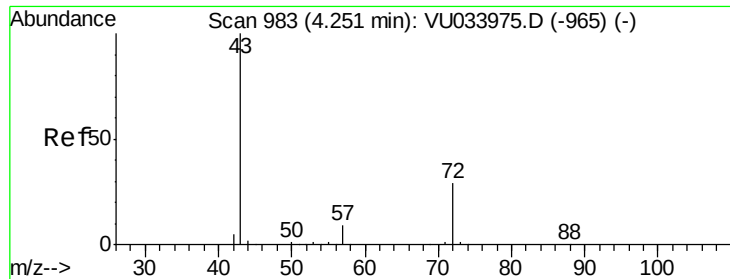
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

100 4.6 2.3 6.8





#25

2-Butanone

Concen: 96.335 ug/l

RT: 4.24 min Scan# 979

Delta R.T. -0.01 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion: 43 Resp: 257772

Ion Ratio Lower Upper

43 100

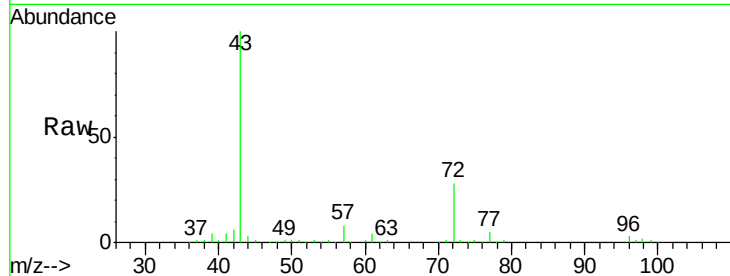
72 28.0 22.9 34.3

Manual Integrations

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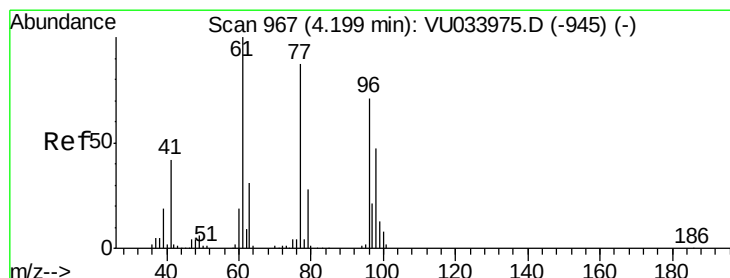
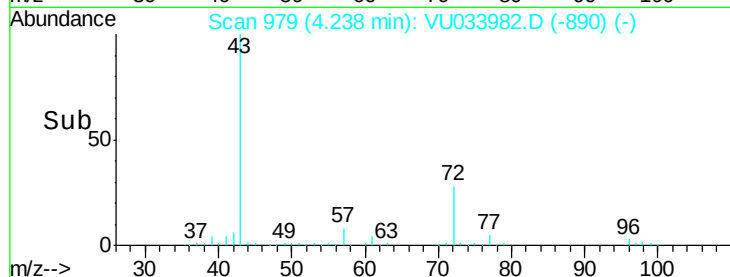
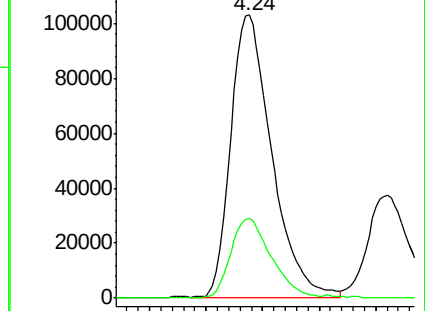
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU033982.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VU033982.D (-890) (-)



#26

2,2-Dichloropropane

Concen: 18.490 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033982.D

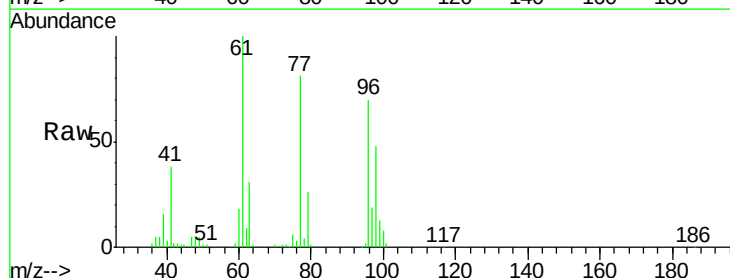
Acq: 27 Aug 2019 19:05

Tgt Ion: 77 Resp: 98449

Ion Ratio Lower Upper

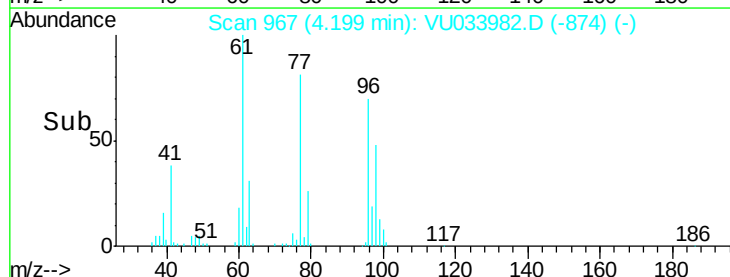
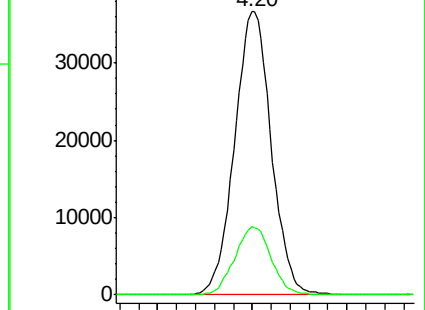
77 100

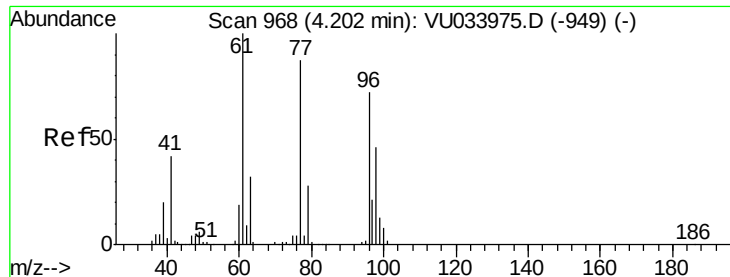
97 23.9 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VU033982.D (-874) (-)

Ion 96.90 (96.60 to 97.60): VU033982.D (-874) (-)





#27

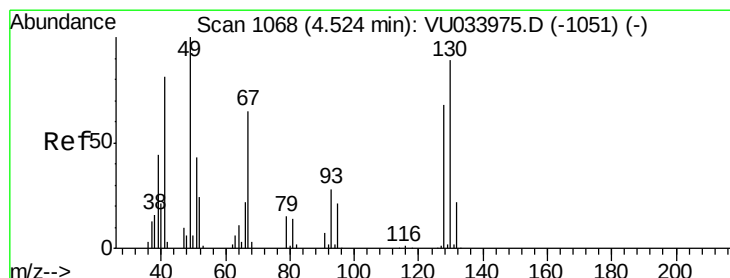
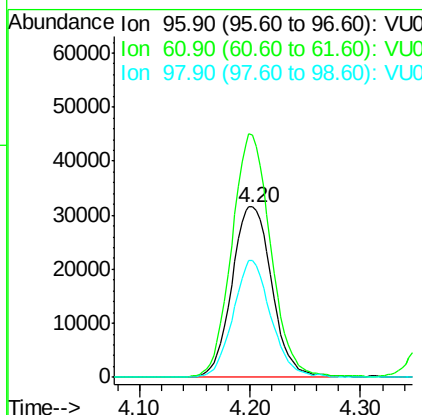
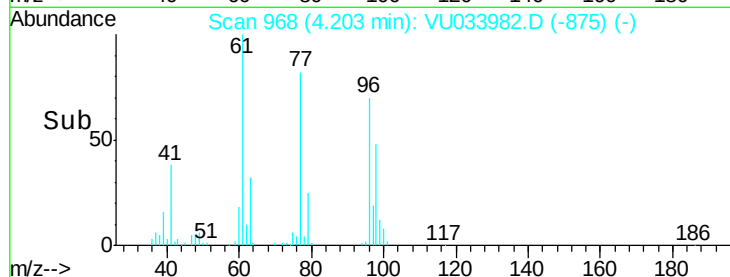
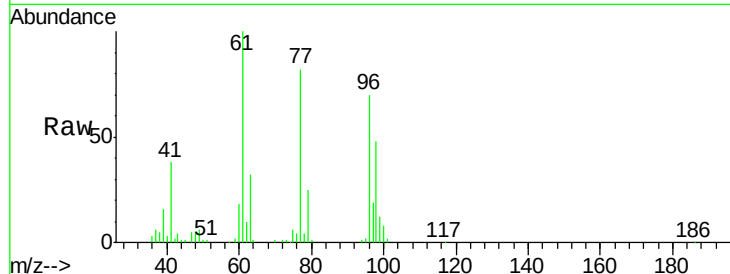
cis-1,2-Dichloroethene
Concen: 20.081 ug/l
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	79235		
61	139.8		0.0	287.2
98	65.0		0.0	131.8

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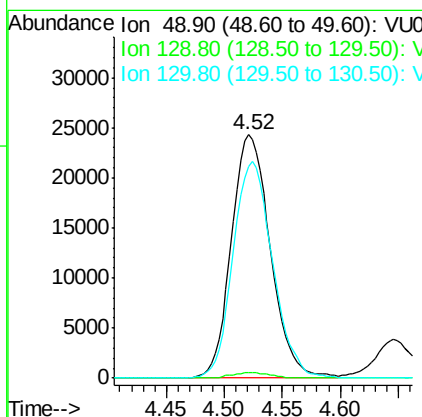
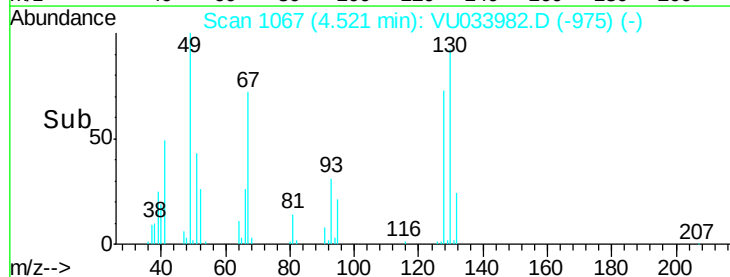
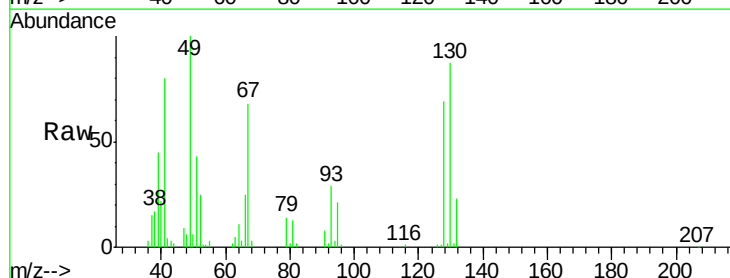
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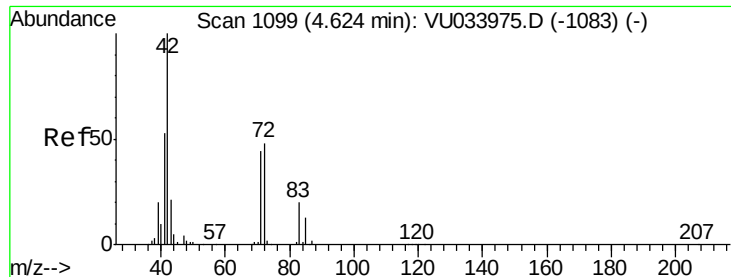


#28

Bromochloromethane
Concen: 19.642 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	56906		
129	2.1		0.0	4.6
130	90.2		71.0	106.6





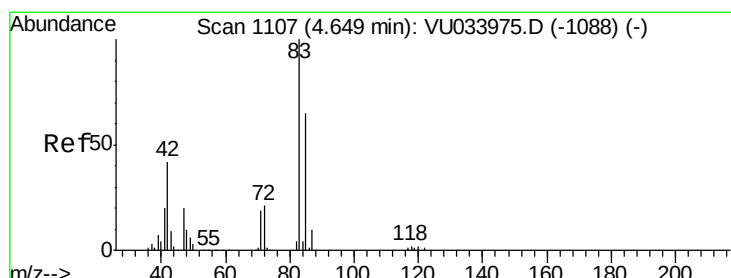
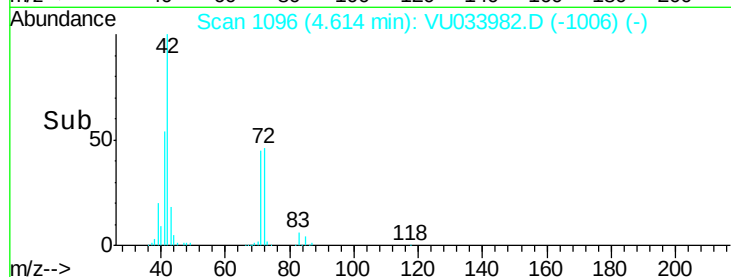
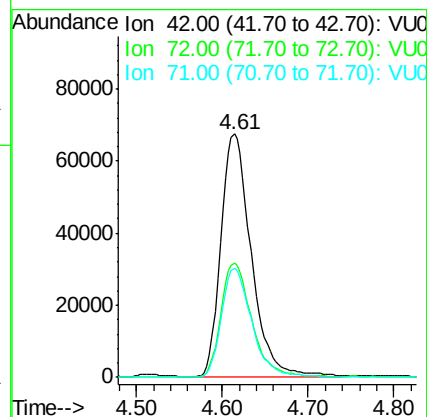
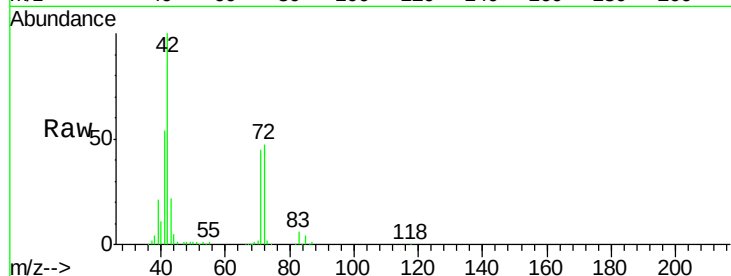
#29
Tetrahydrofuran
Concen: 98.974 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	38.9	58.3
71	44.6	35.7	53.5

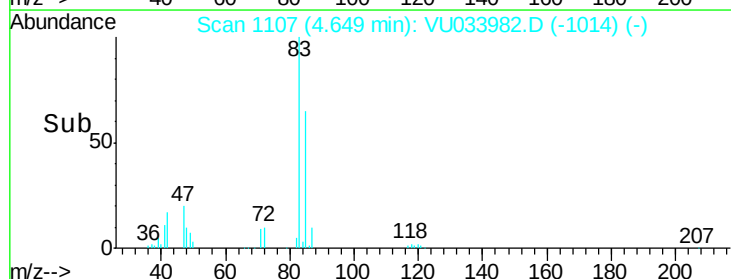
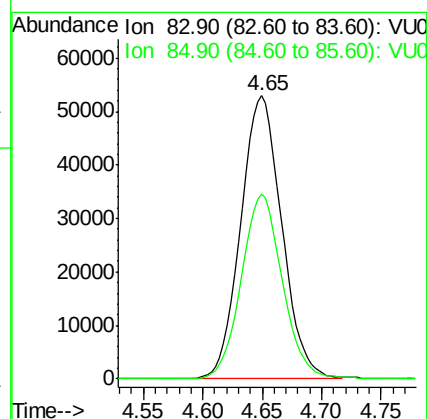
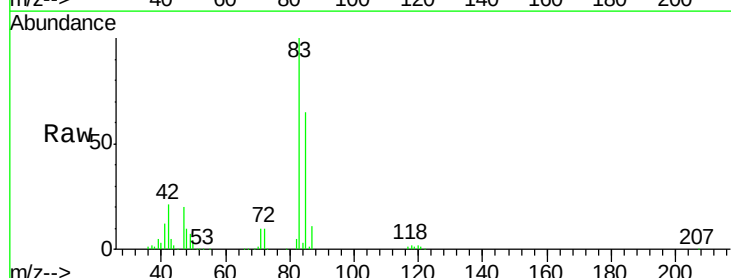
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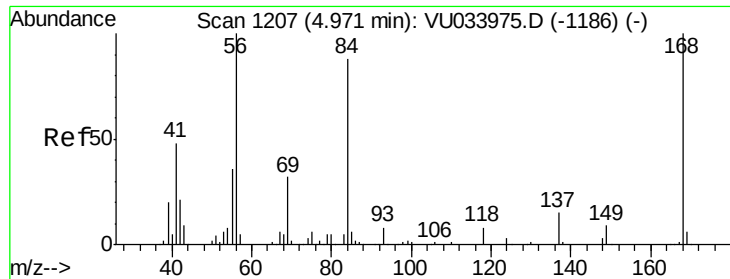
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#30
Chloroform
Concen: 19.632 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





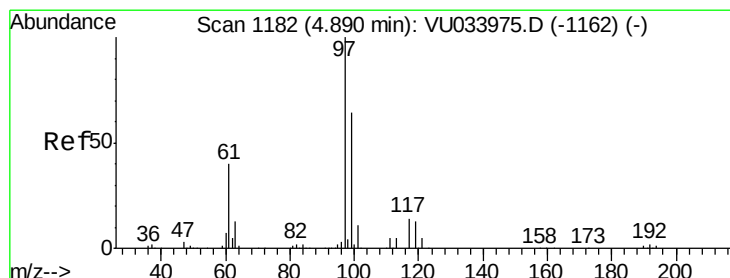
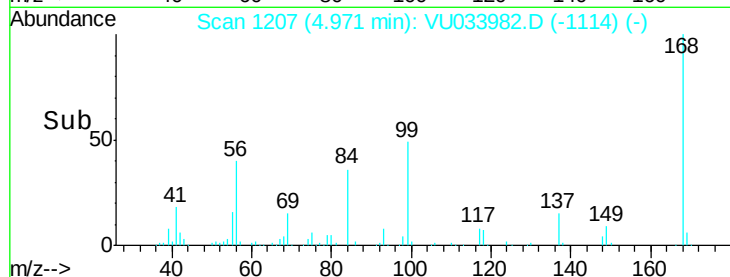
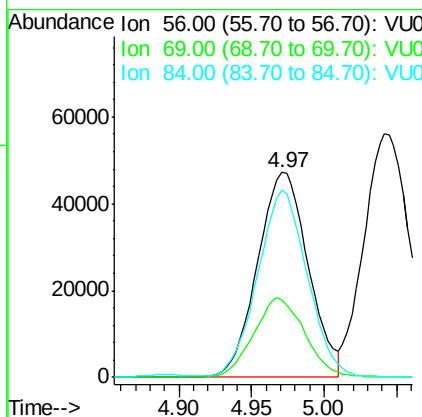
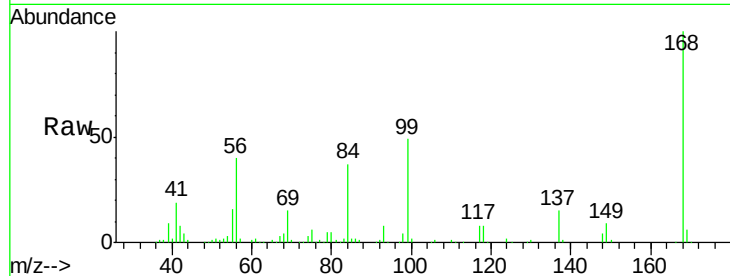
#31
Cyclohexane
Concen: 19.985 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	25.9	38.9
84	90.4	70.4	105.6

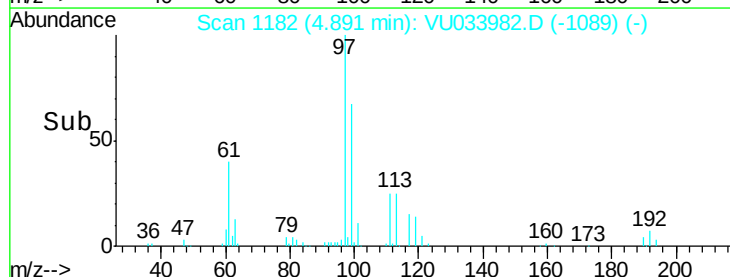
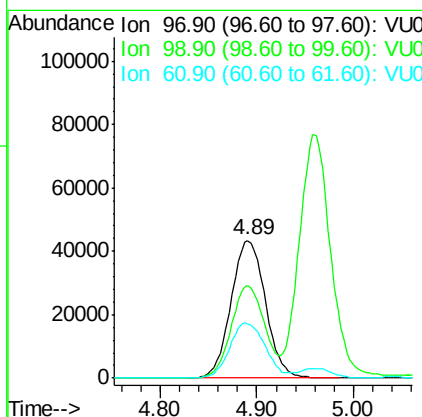
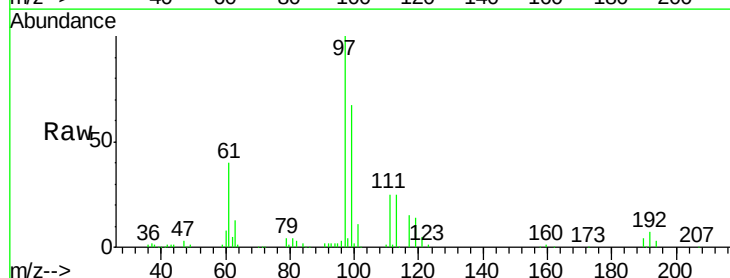
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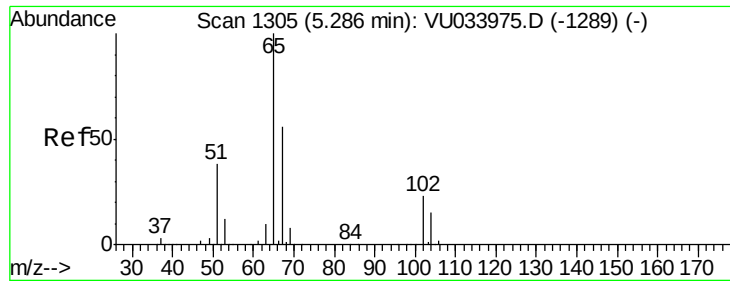
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#32
1,1,1-Trichloroethane
Concen: 19.802 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.6	77.4
61	41.3	32.7	49.1





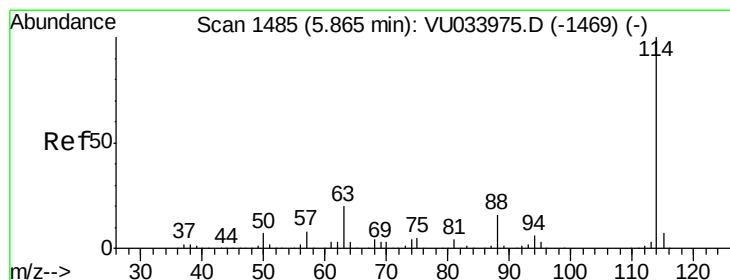
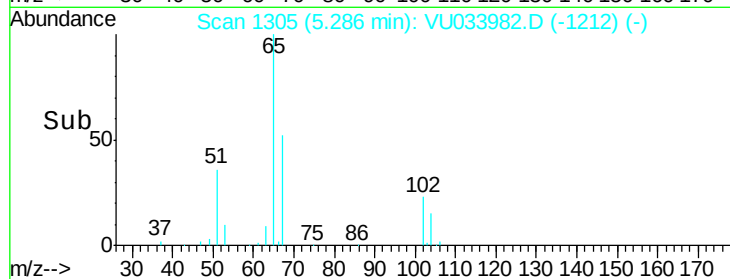
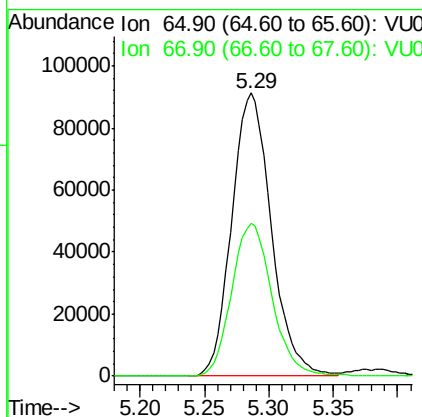
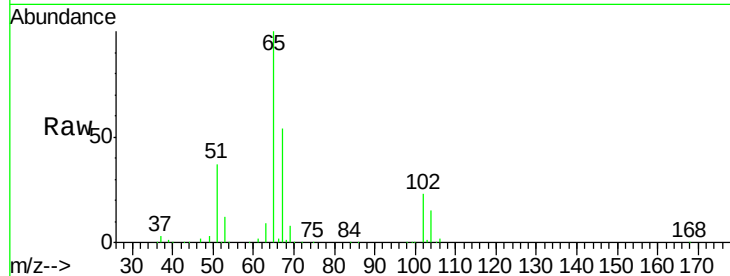
#33
 1,2-Dichloroethane-d4
 Concen: 49.975 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	194890		
67	54.9	0.0	111.0	

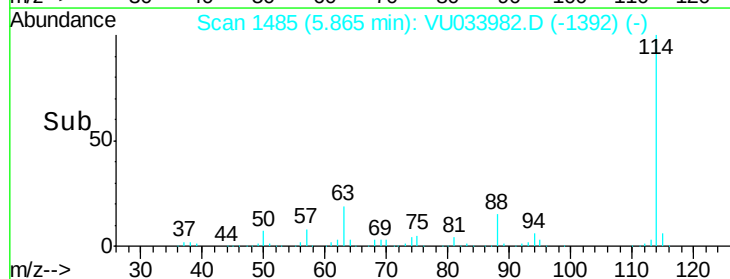
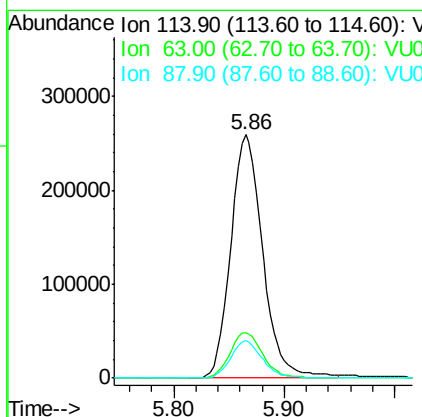
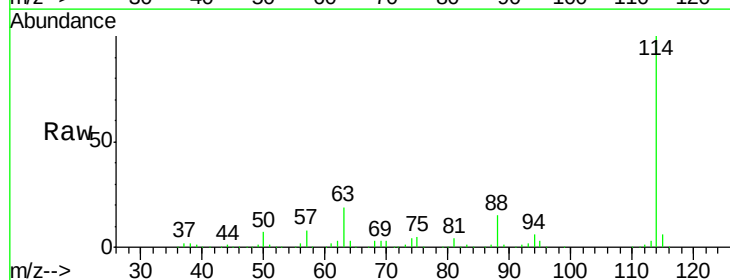
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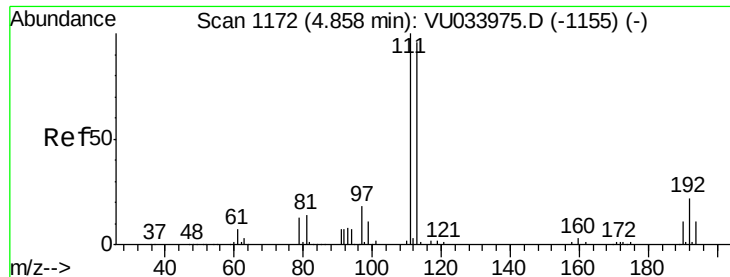
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	521307		
63	18.7	0.0	39.0	
88	15.2	0.0	31.2	





#35

Dibromofluoromethane

Concen: 50.097 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

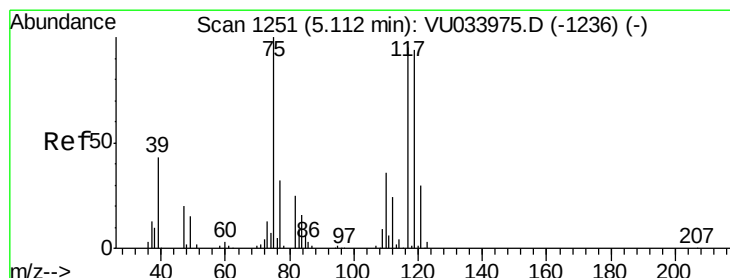
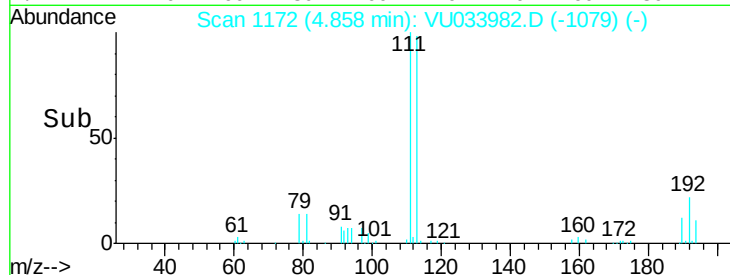
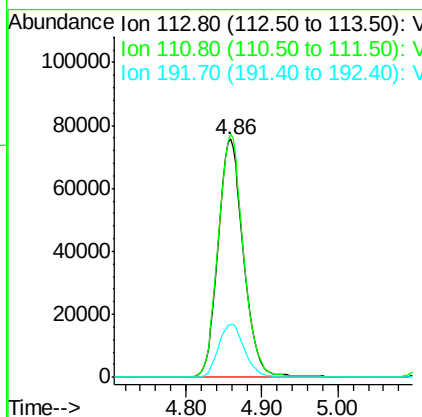
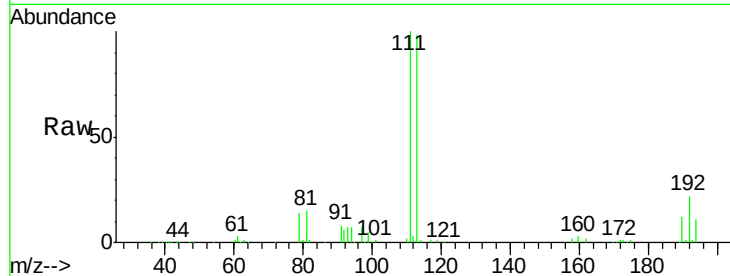
ClientSampleId :

VU0828WBS01

Tot Ion:	113	Resp:	175550
Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.7	122.5
192	22.9	18.6	27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.048 ug/l

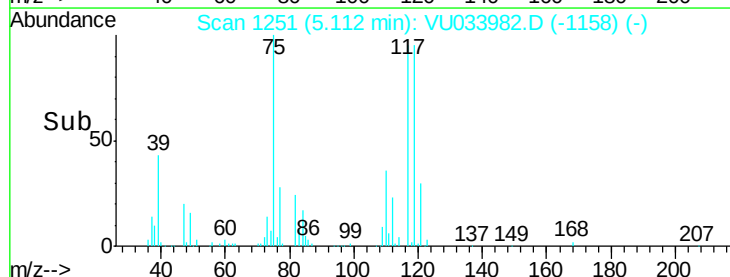
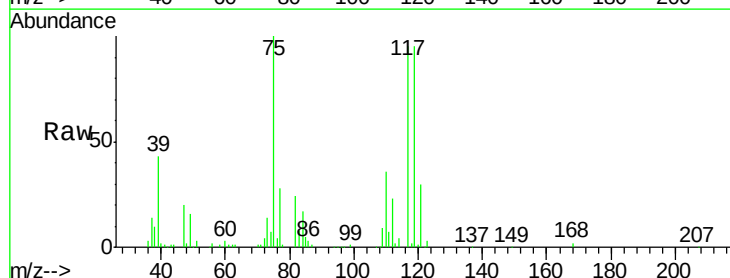
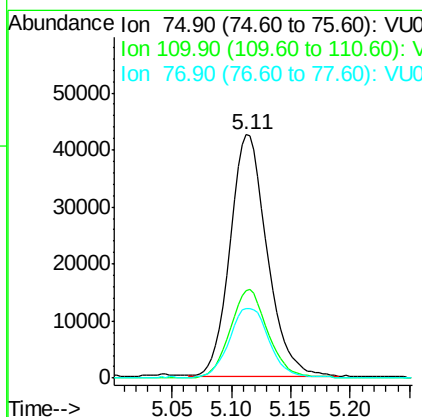
RT: 5.11 min Scan# 1251

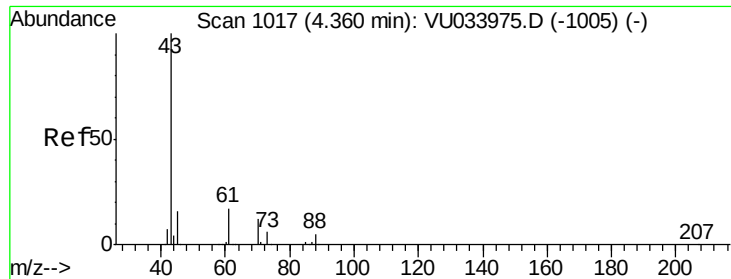
Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Tgt Ion:	75	Resp:	90947
Ion	Ratio	Lower	Upper
75	100		
110	37.9	18.2	54.6
77	31.7	24.8	37.2





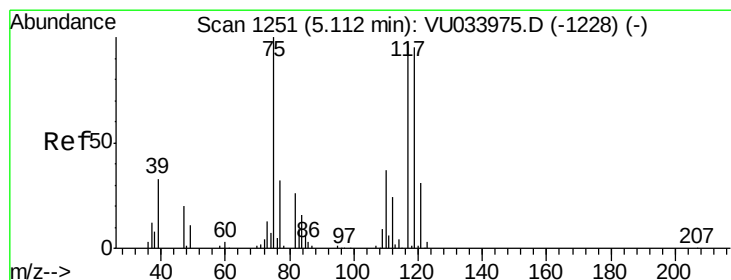
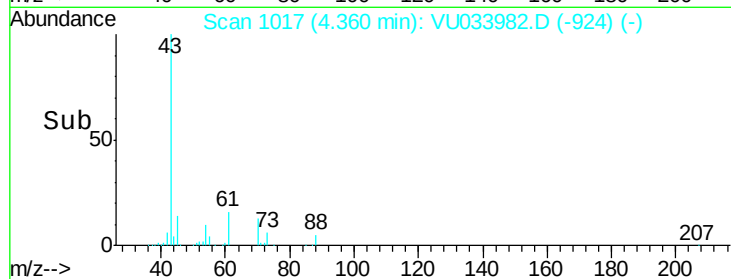
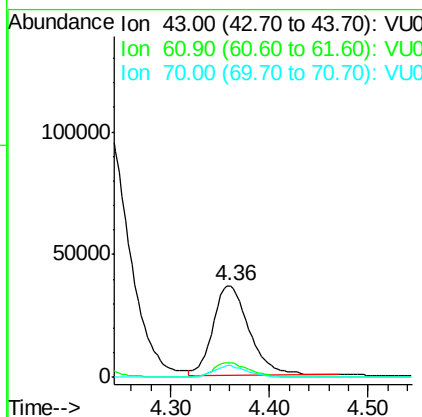
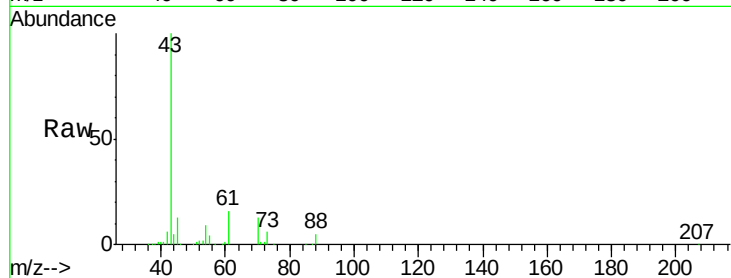
#37
Ethyl Acetate
Concen: 19.672 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.0	18.0
70	12.1	9.2	13.8

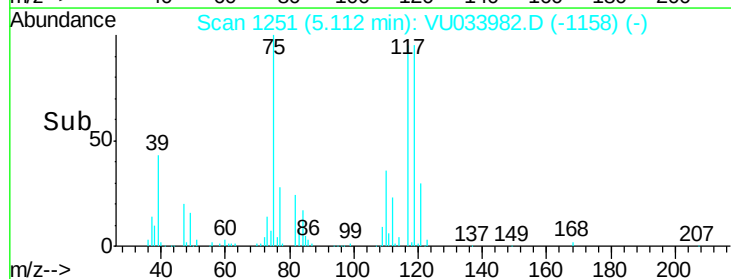
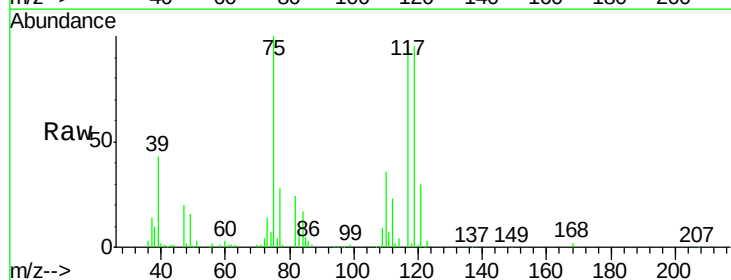
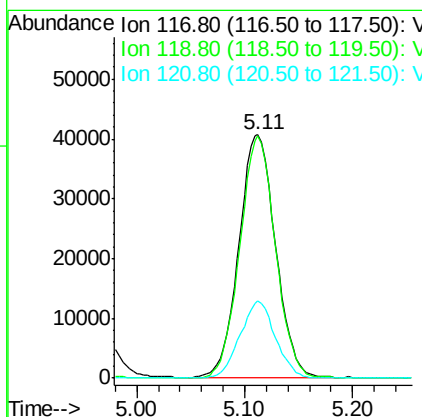
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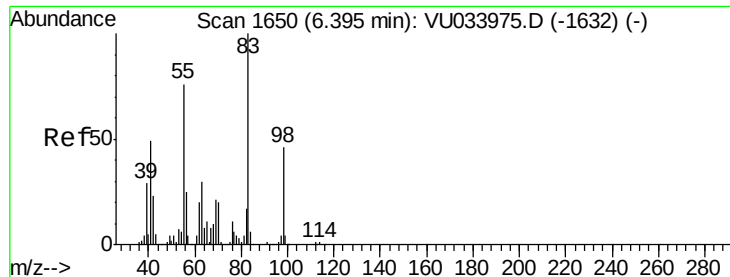
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#38
Carbon Tetrachloride
Concen: 19.825 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	78.4	117.6
121	31.8	25.4	38.2





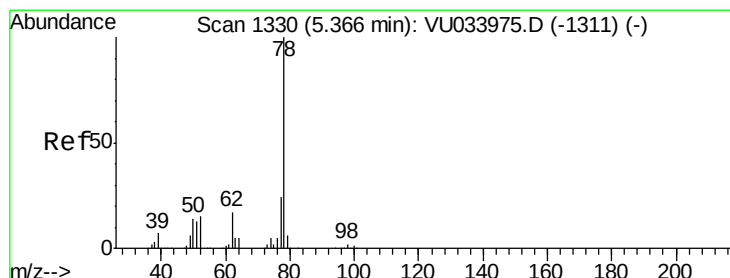
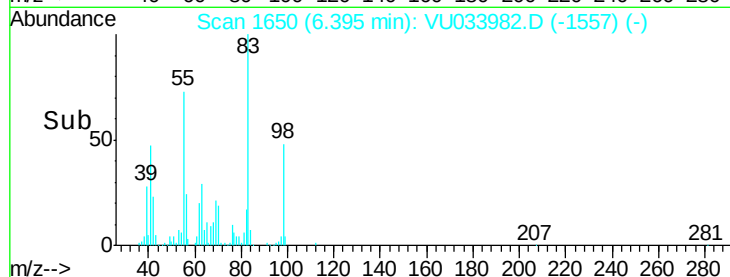
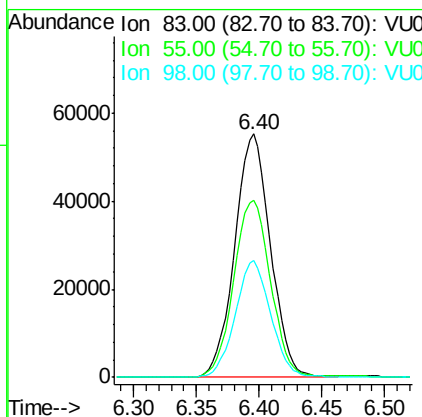
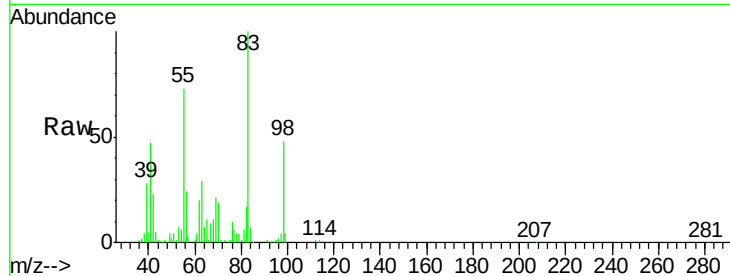
#39
Methylvlcyclohexane
Concen: 19.436 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.9	60.8	91.2	
98	48.2	36.5	54.7	

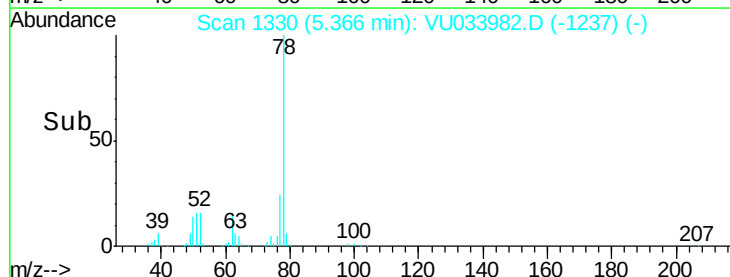
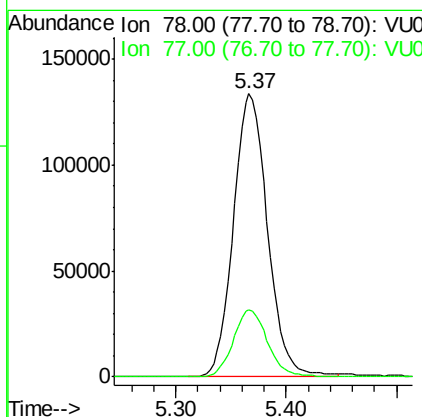
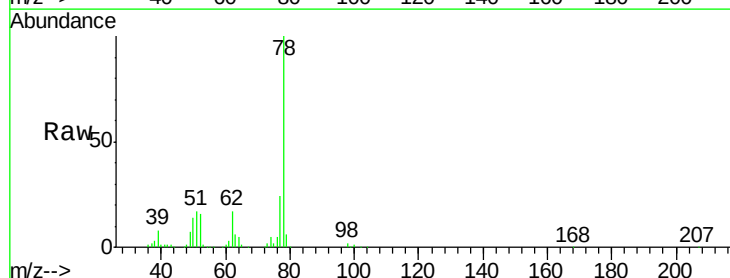
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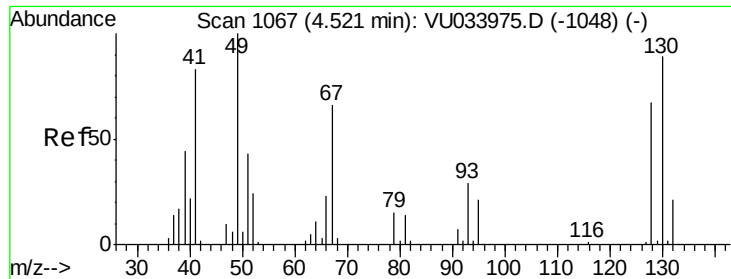
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#40
Benzene
Concen: 20.195 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.2	28.8	





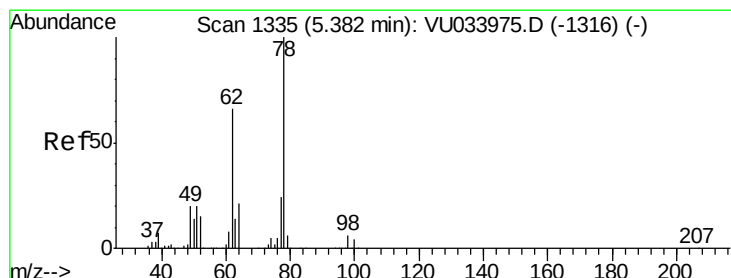
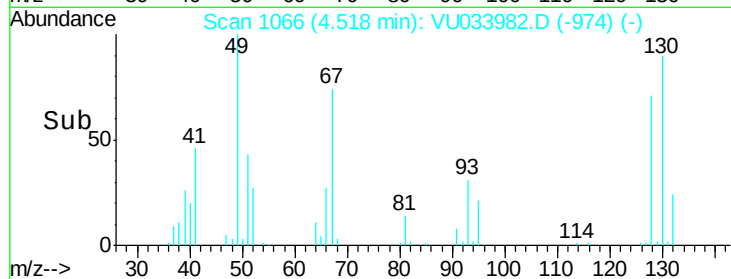
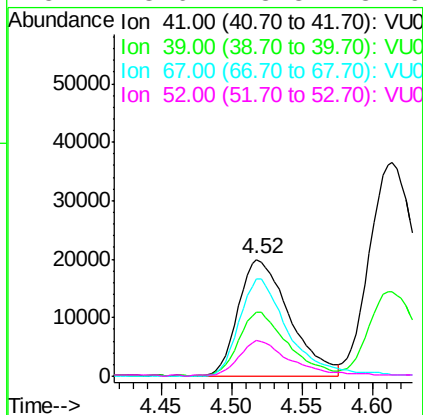
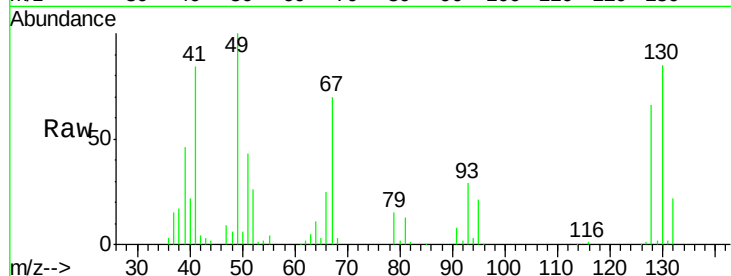
#41
Methacrylonitrile
Concen: 20.417 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	41.5	62.3	
67	80.4	65.0	97.6	
52	28.6	23.3	34.9	

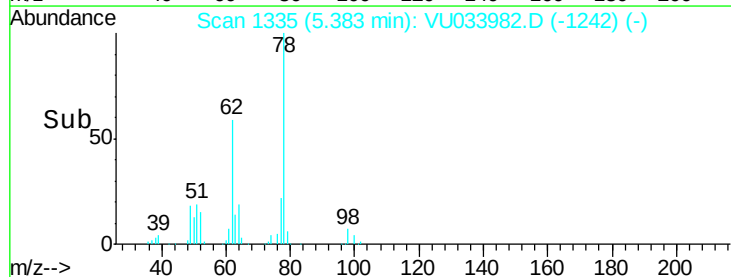
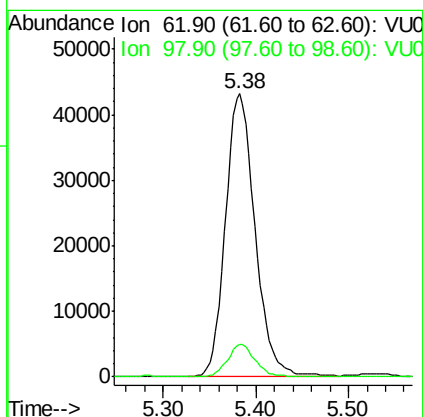
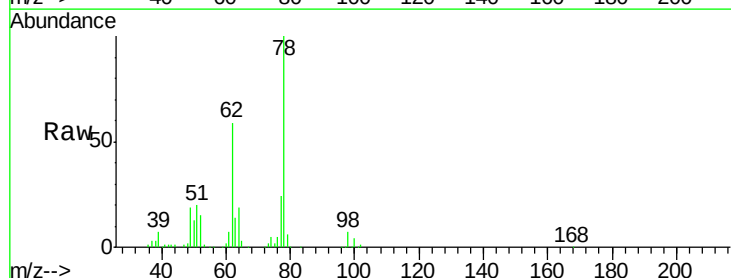
Manual Integrations
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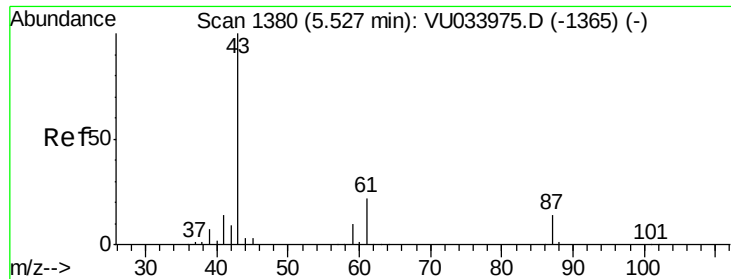
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#42
1,2-Dichloroethane
Concen: 19.995 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	20.0	





#43

Isopropyl Acetate

Concen: 19.796 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

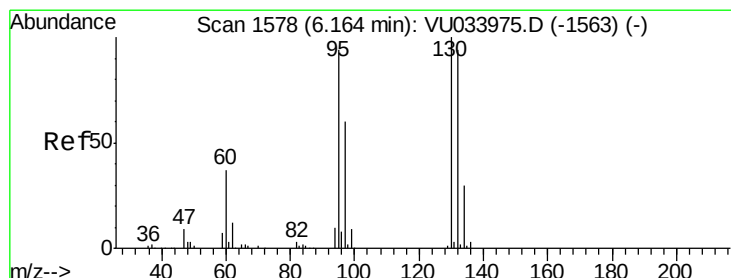
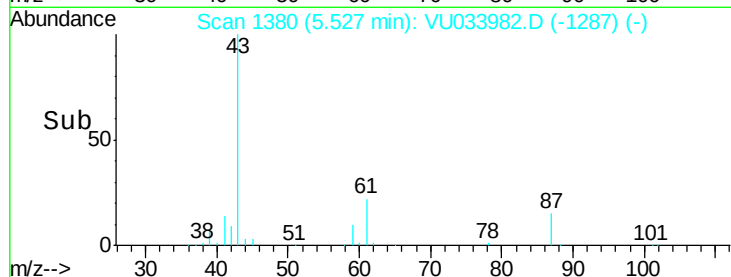
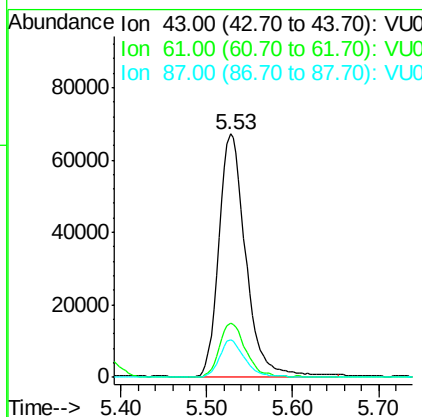
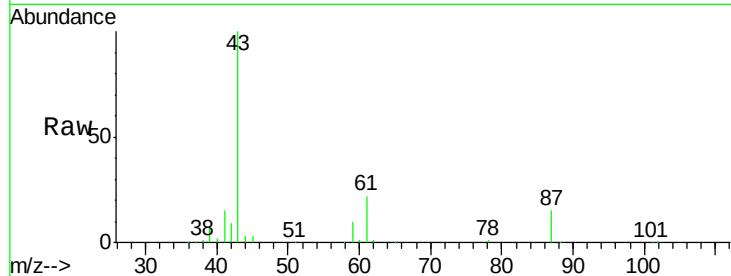
ClientSampleId :

VU0828WBS01

Tot Ion:	43	Resp:	145362
Ion	Ratio	Lower	Upper
43	100		
61	22.1	17.8	26.8
87	14.5	11.9	17.9

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#44

Trichloroethene

Concen: 19.813 ug/l

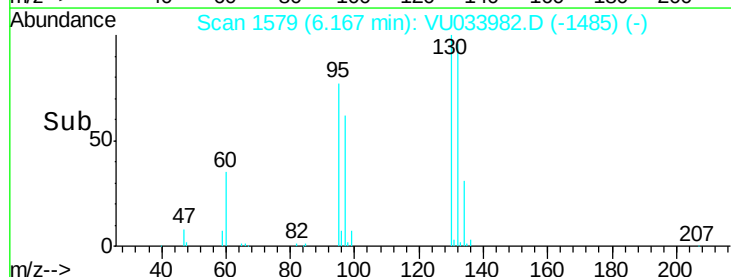
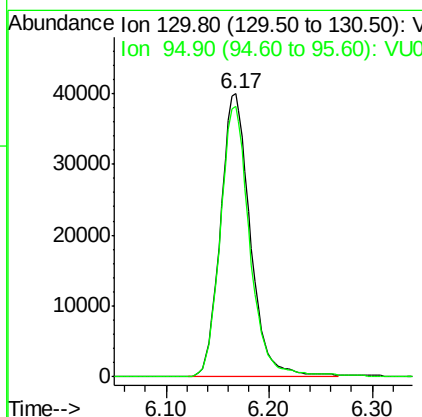
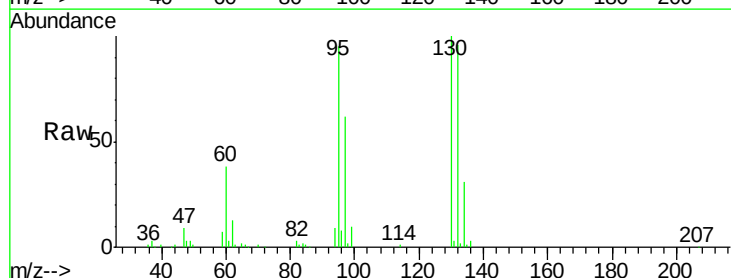
RT: 6.17 min Scan# 1579

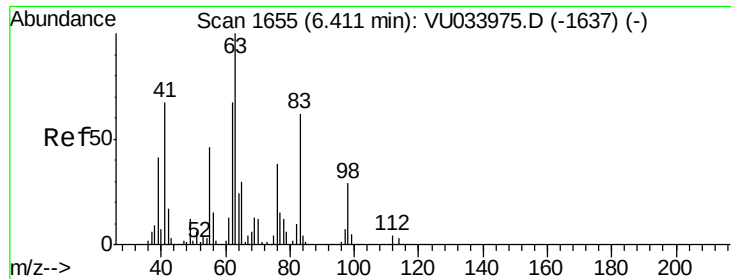
Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Tgt Ion:	130	Resp:	80199
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	187.6





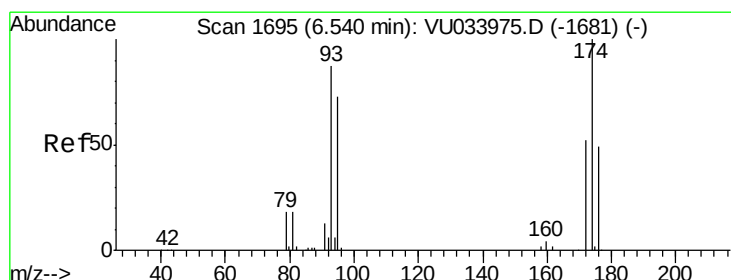
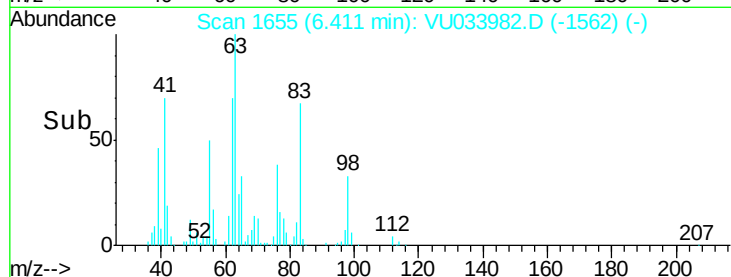
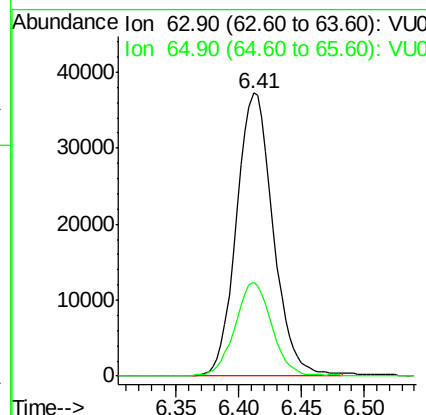
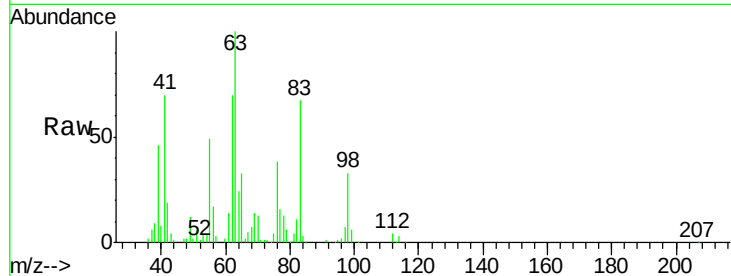
#45
 1,2-Dichloropropane
 Concen: 19.982 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBS01

Tot Ion: 63 Resp: 75890
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.3 36.5

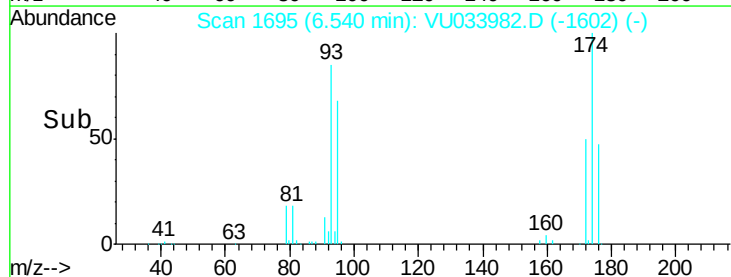
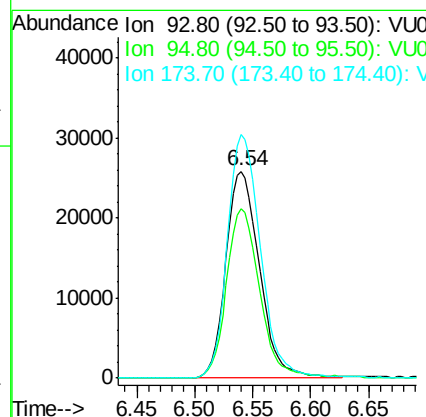
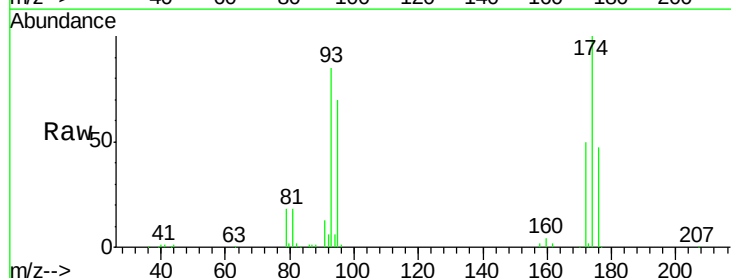
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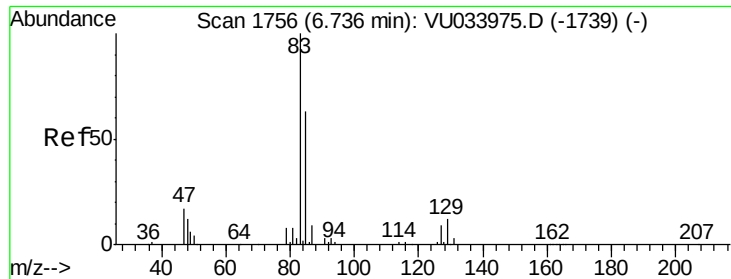
MMDadoda
 8/28/2019 9:58:05 AM



#46
 Dibromomethane
 Concen: 20.151 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Tgt Ion: 93 Resp: 52050
 Ion Ratio Lower Upper
 93 100
 95 80.4 66.2 99.4
 174 116.2 92.2 138.2





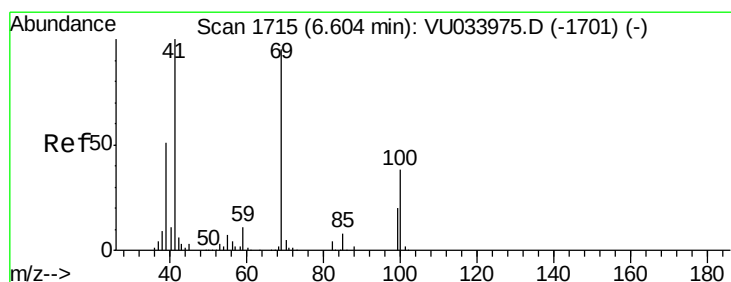
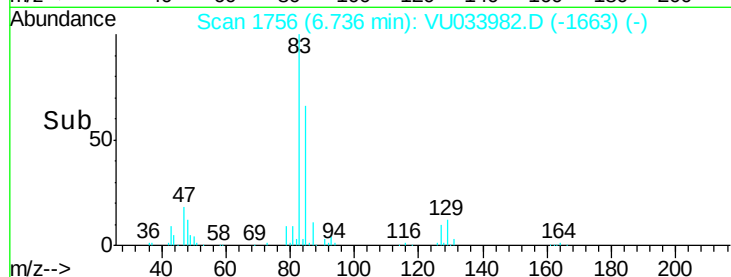
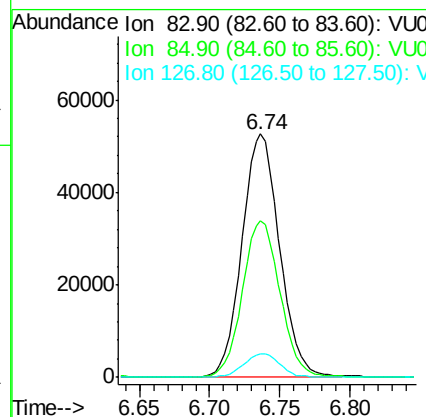
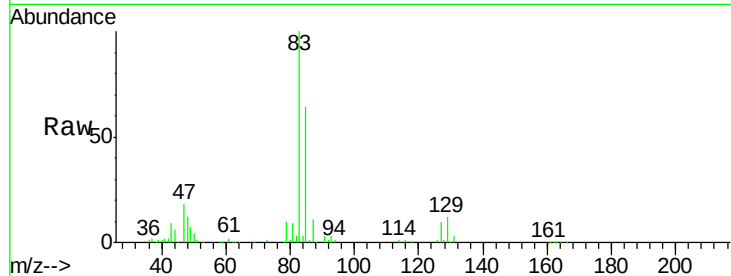
#47
Bromodichloromethane
Concen: 20.003 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.6	76.0
127	9.8	7.4	11.0

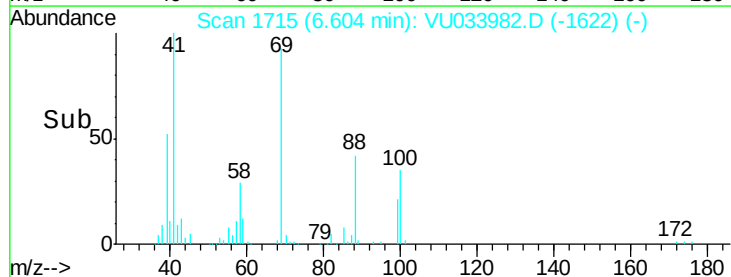
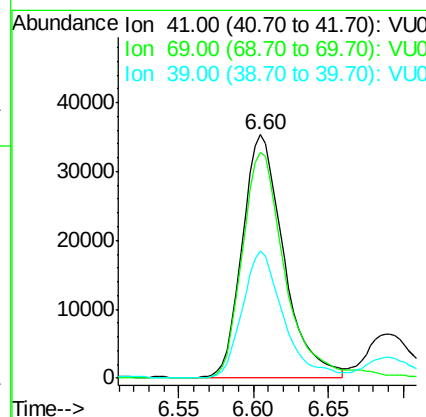
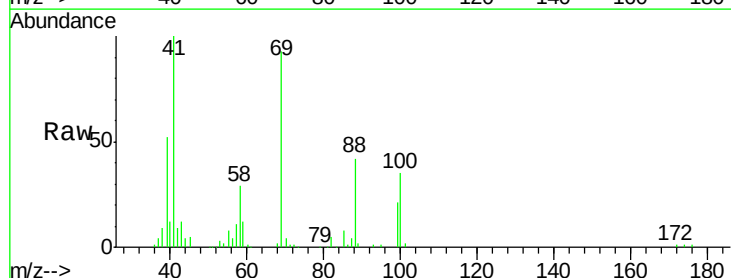
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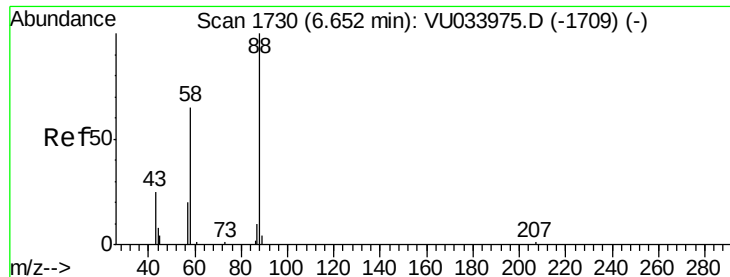
MMDadoda
8/28/2019 9:58:05 AM



#48
Methyl methacrylate
Concen: 19.381 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	97.4	76.3	114.5
39	51.8	41.1	61.7





#49

1,4-Dioxane

Concen: 392.791 ug/l

RT: 6.59 min Scan# 1712

Delta R.T. -0.06 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

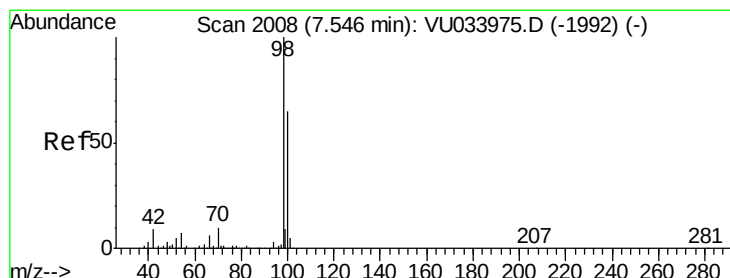
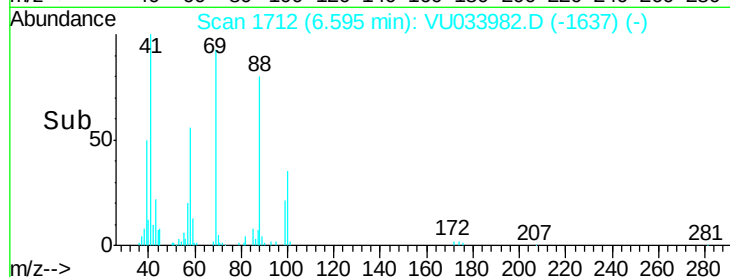
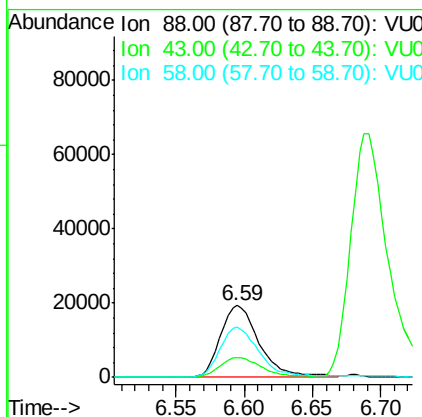
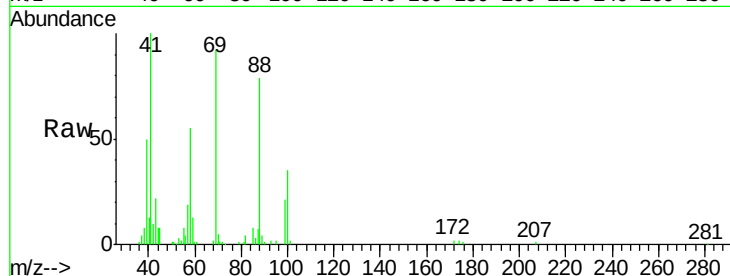
ClientSampleId :

VU0828WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	0.0	0.0#
58	71.4	56.6	85.0

Manual Integrations
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#50

Toluene-d8

Concen: 51.726 ug/l

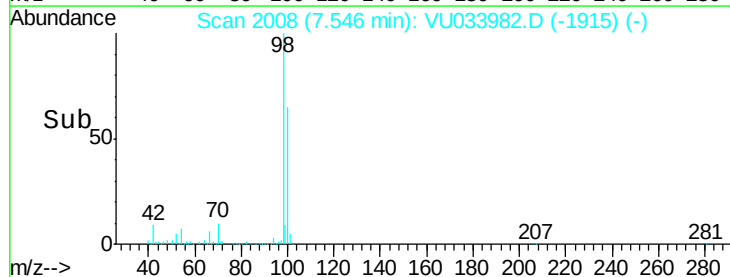
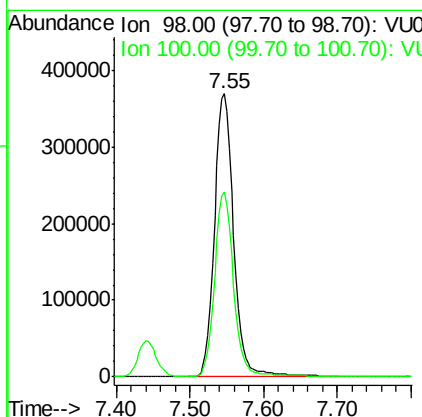
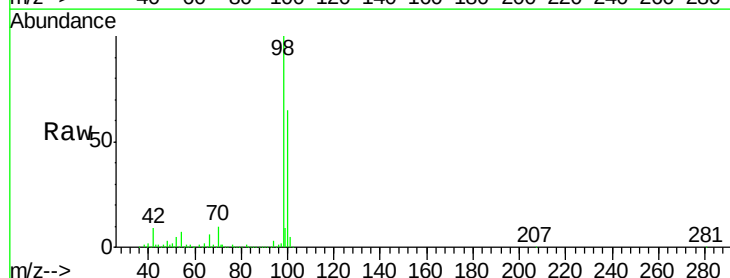
RT: 7.55 min Scan# 2008

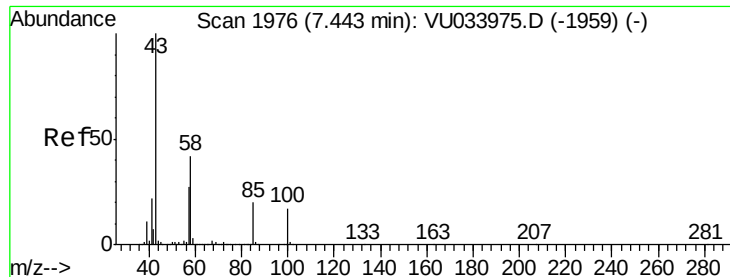
Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 97.163 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion: 43 Resp: 491920

Ion Ratio Lower Upper

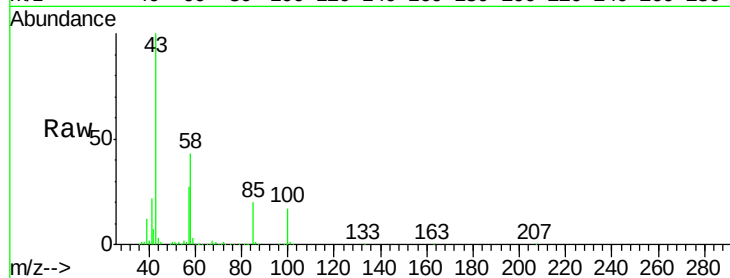
43 100

58 42.2 33.6 50.4

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Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-1959) (-)

Ion 58.00 (57.70 to 58.70): VU033975.D (-1959) (-)

7.44

300000

250000

200000

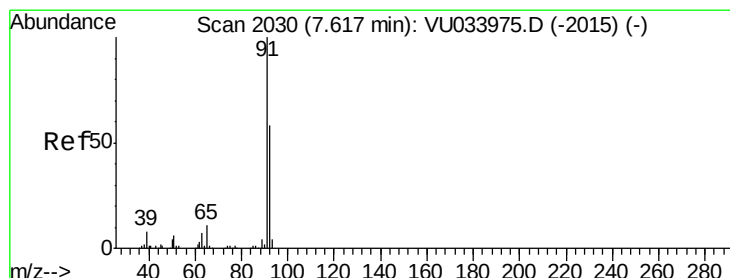
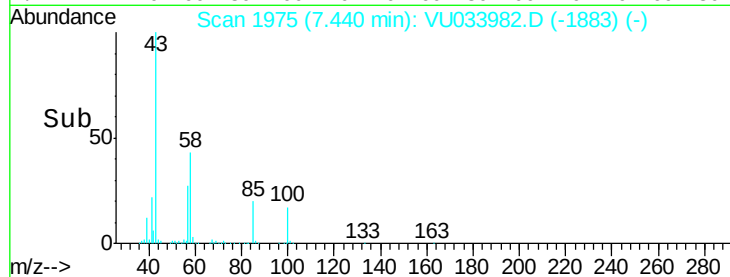
150000

100000

50000

0

Time--> 7.35 7.40 7.45 7.50 7.55



#52

Toluene

Concen: 20.470 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033982.D

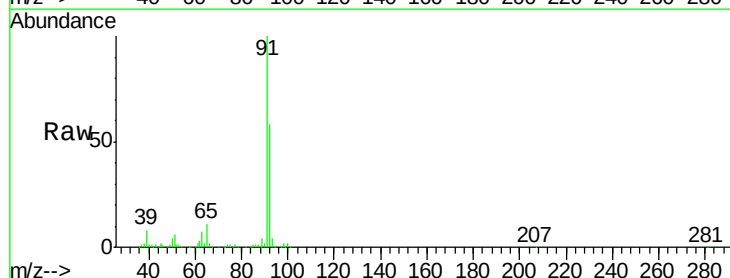
Acq: 27 Aug 2019 19:05

Tgt Ion: 92 Resp: 183234

Ion Ratio Lower Upper

92 100

91 174.8 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VU033975.D (-2015) (-)

Ion 91.00 (90.70 to 91.70): VU033975.D (-2015) (-)

7.62

200000

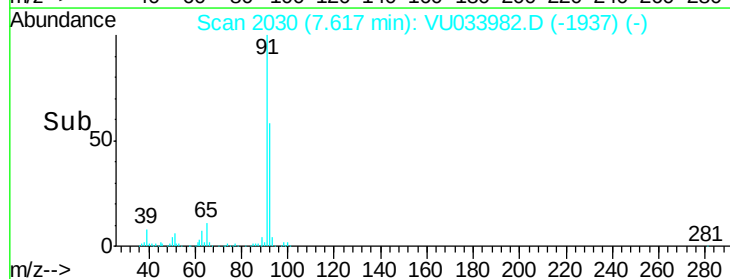
150000

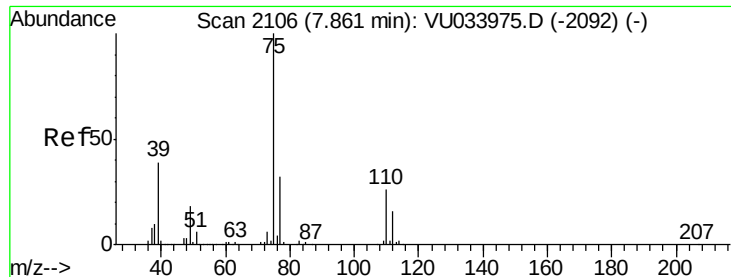
100000

50000

0

Time--> 7.55 7.60 7.65 7.70





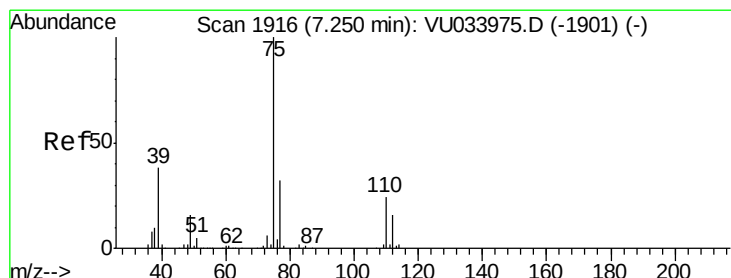
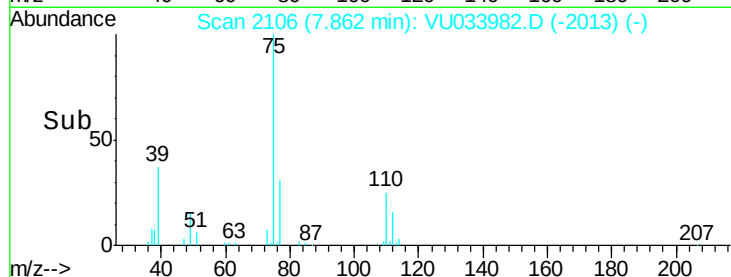
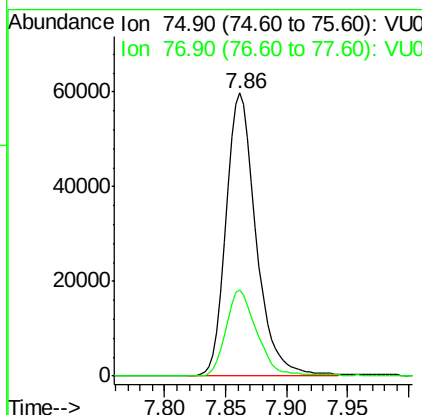
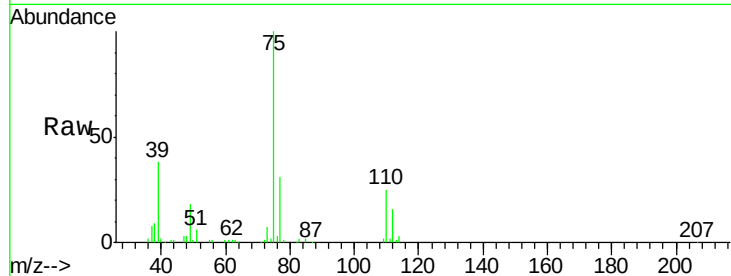
#53
t-1,3-Dichloropropene
Concen: 19.034 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.2

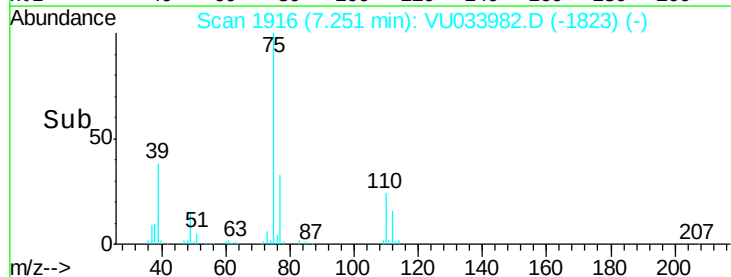
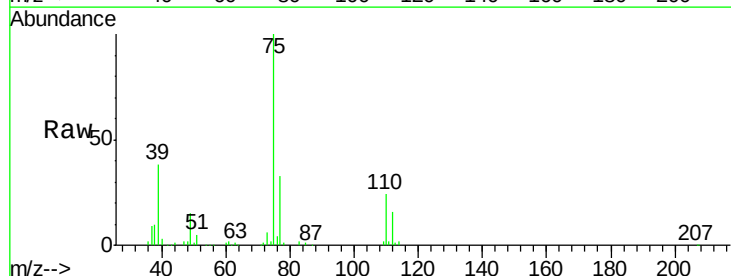
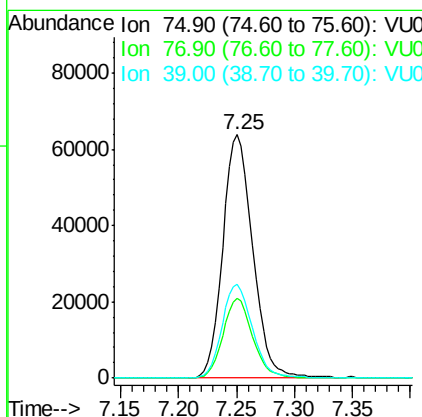
Manual Integrations
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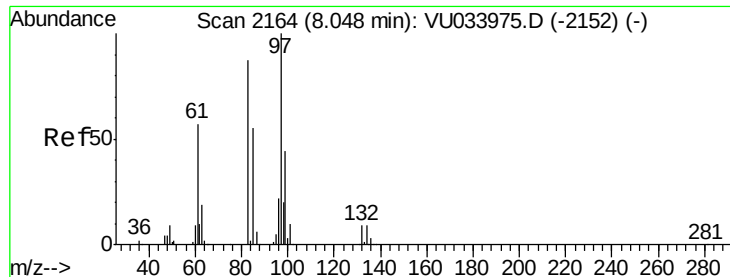
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#54
cis-1,3-Dichloropropene
Concen: 19.537 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.6	38.4
39	38.4	30.7	46.1





#55

1,1,2-Trichloroethane

Concen: 19.456 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

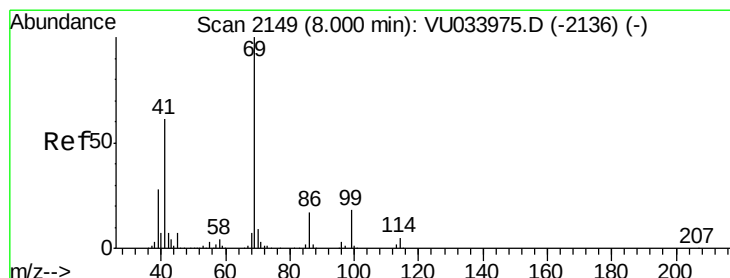
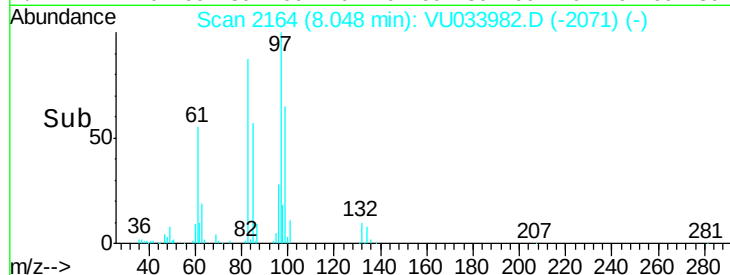
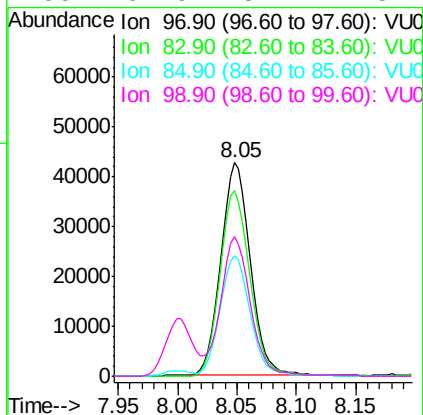
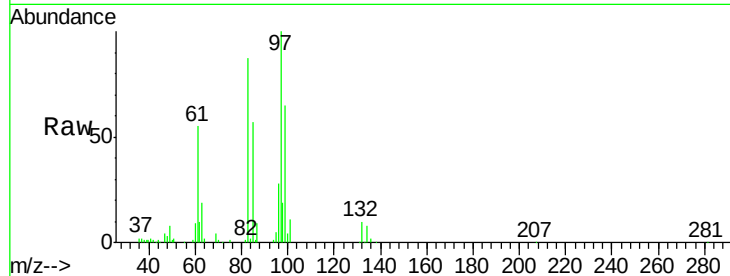
ClientSampleId :

VU0828WBS01

Tot Ion:	97	Resp:	73589
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.6
85	56.5	45.2	67.8
99	64.9	52.2	78.4

Manual Integrations
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8/28/2019 9:58:05 AM



#56

Ethyl methacrylate

Concen: 19.601 ug/l

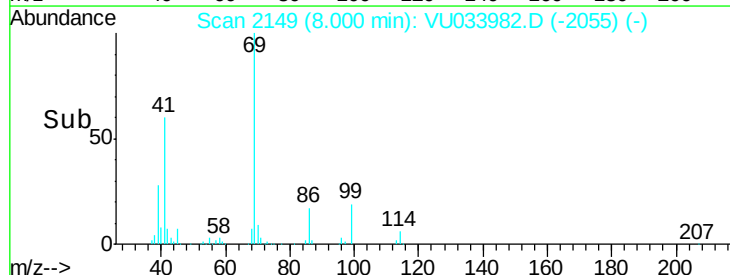
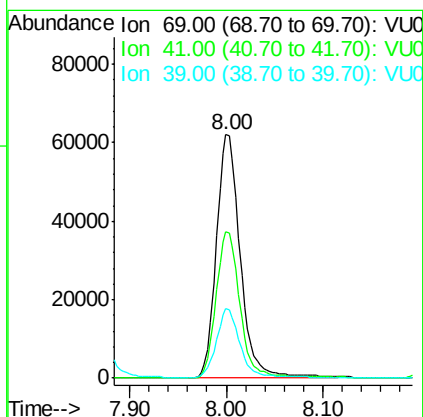
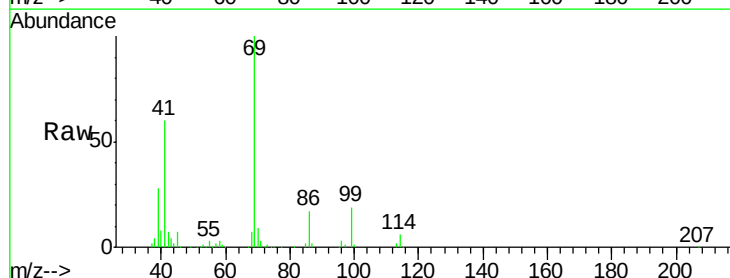
RT: 8.00 min Scan# 2149

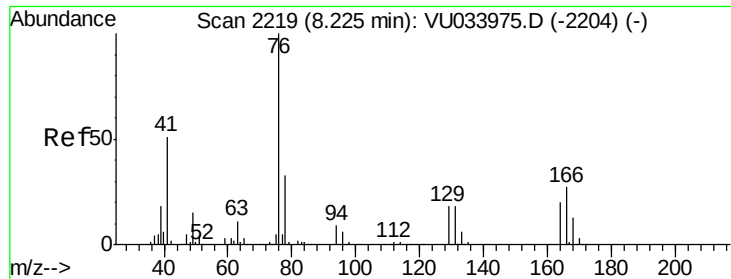
Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Tgt Ion:	69	Resp:	107278
Ion	Ratio	Lower	Upper
69	100		
41	59.3	48.6	72.8
39	27.4	22.4	33.6





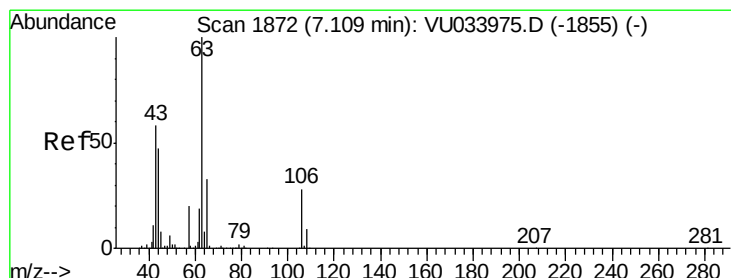
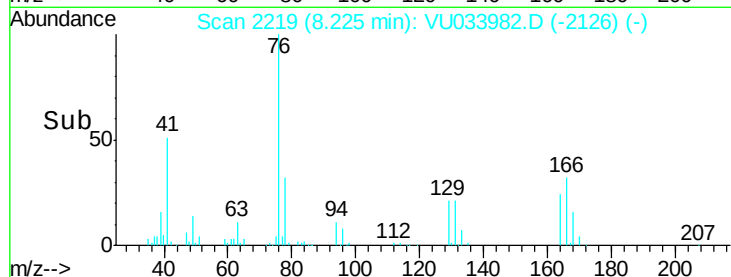
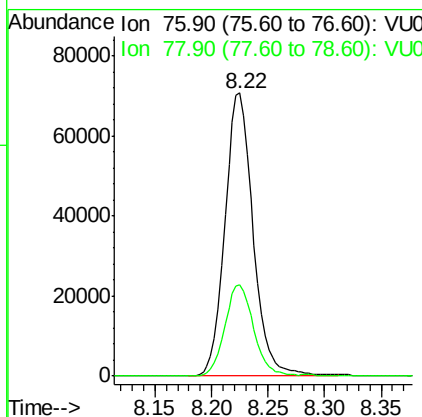
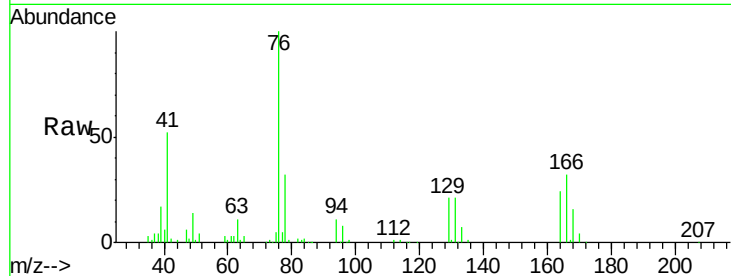
#57
 1,3-Dichloropropane
 Concen: 19.912 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBS01

Tot Ion: 76 Resp: 122742
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5

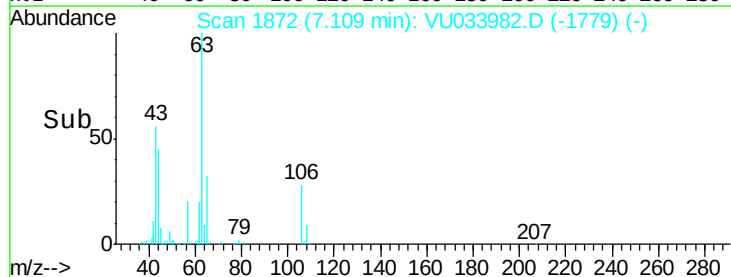
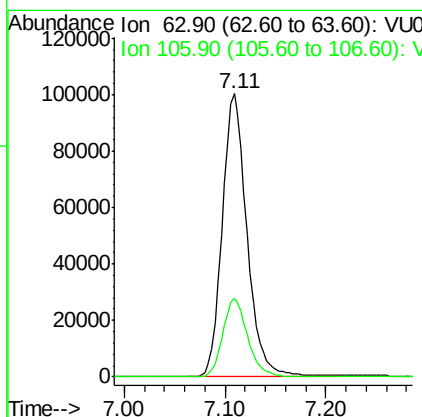
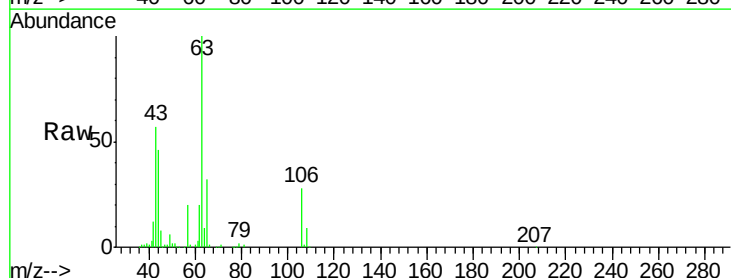
Manual Integrations
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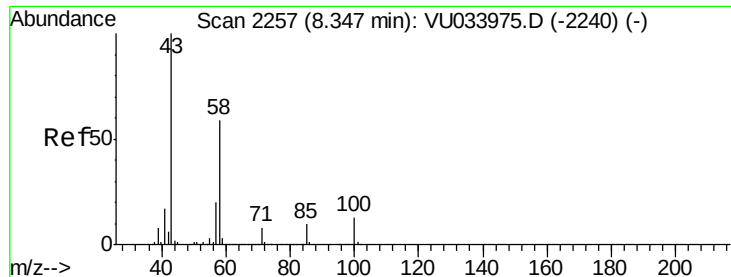
MMDadoda
 8/28/2019 9:58:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.121 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Tgt Ion: 63 Resp: 172896
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.4 33.6





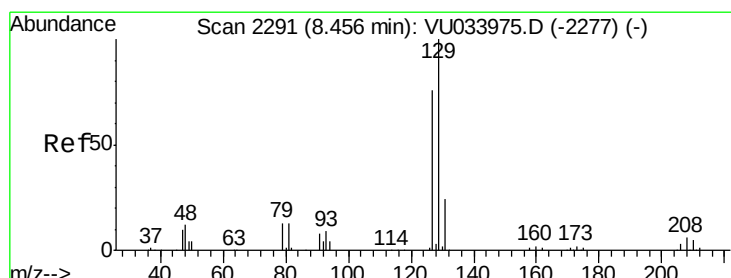
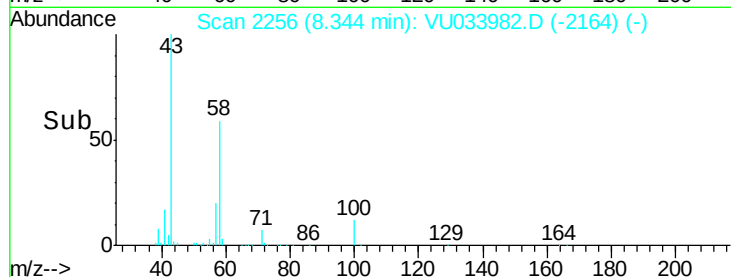
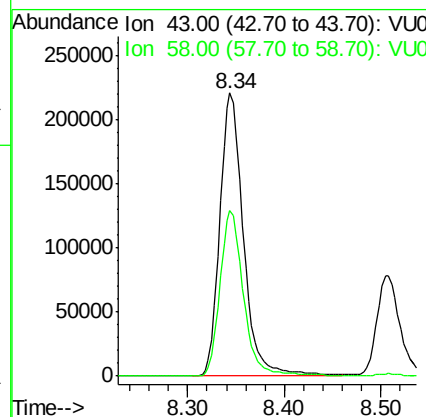
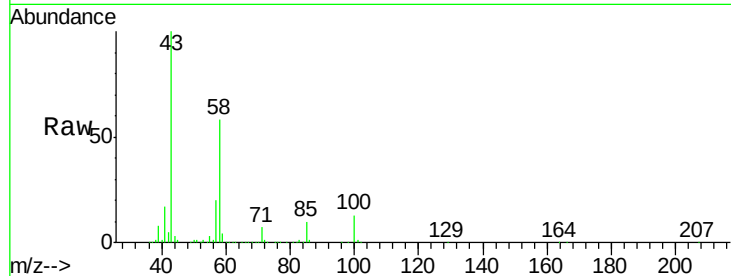
#59
2-Hexanone
Concen: 96.595 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	43	Resp	375898
Ion Ratio	100	Lower	Upper
43	100		
58	58.6	29.5	88.6

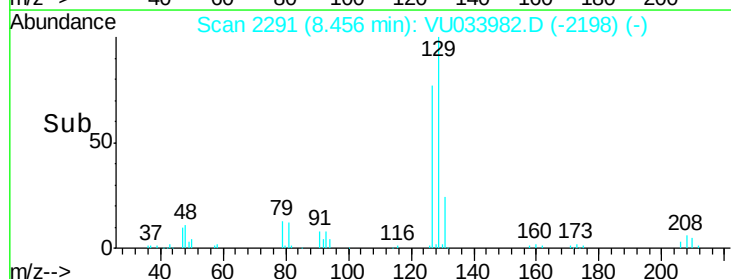
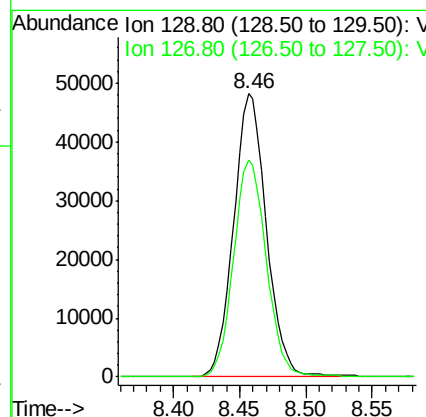
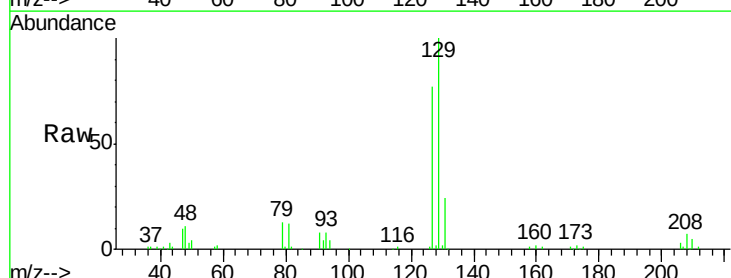
Manual Integrations
APPROVED

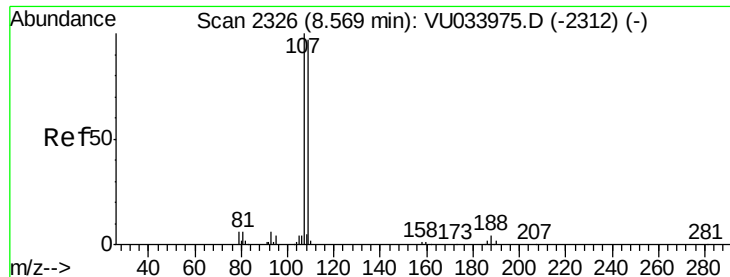
MMDadoda
8/28/2019 9:58:05 AM



#60
Dibromochloromethane
Concen: 19.473 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	129	Resp	82825
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	100		
127	76.7	38.8	116.4





#61

1,2-Dibromoethane

Concen: 19.493 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion:107 Resp: 77868

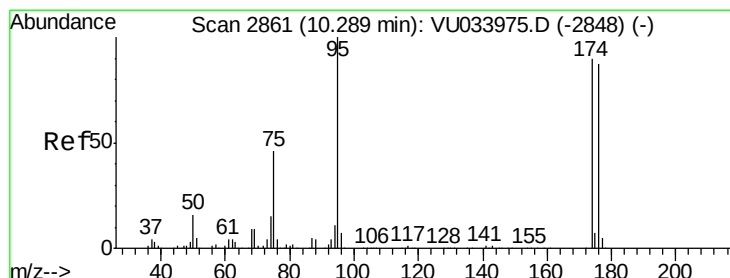
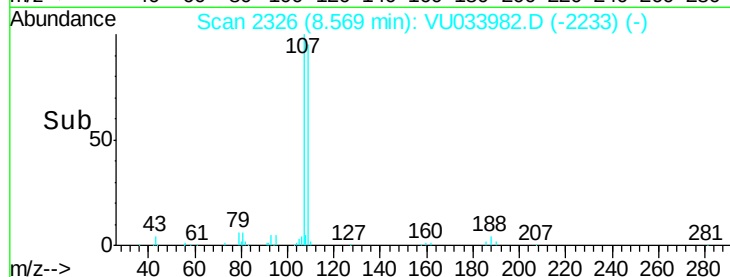
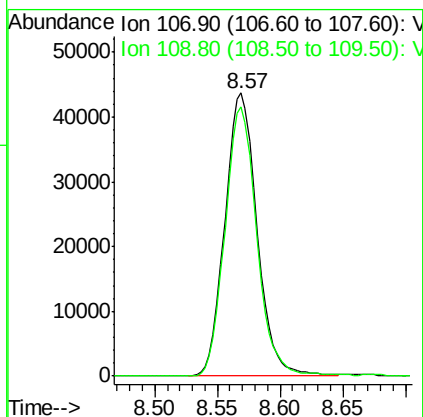
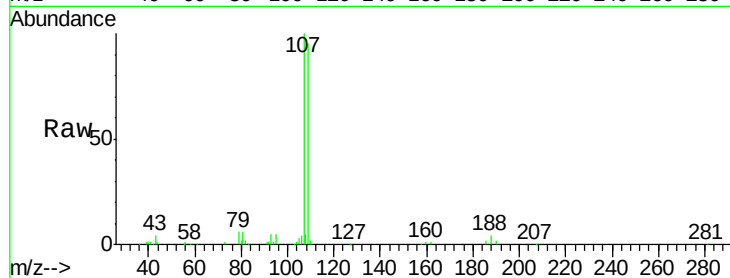
Ion Ratio Lower Upper

107 100

109 93.9 75.7 113.5

Manual Integrations
APPROVED

MMDadoda
8/28/2019 9:58:05 AM



#62

4-Bromofluorobenzene

Concen: 48.355 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

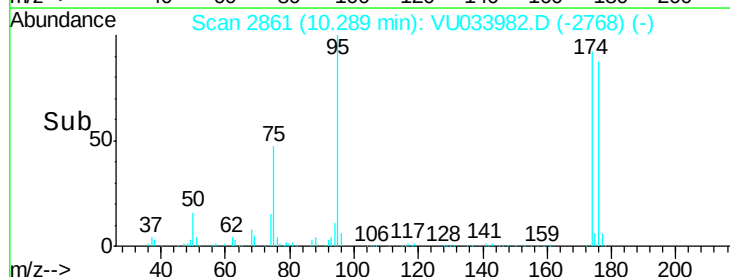
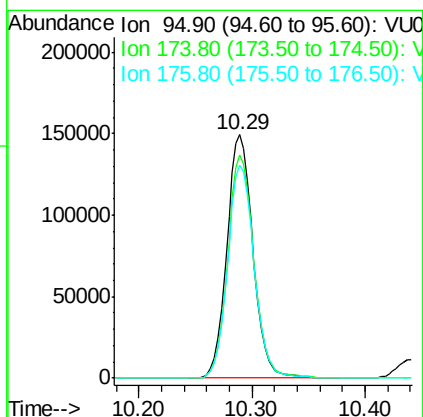
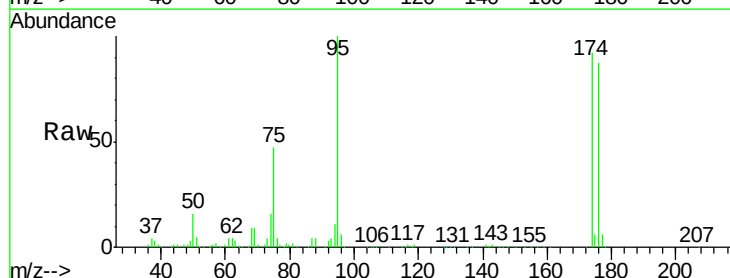
Tgt Ion: 95 Resp: 239745

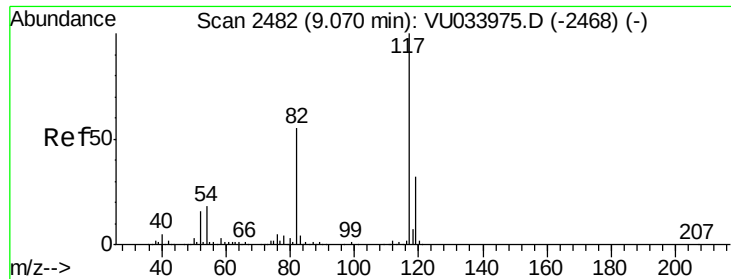
Ion Ratio Lower Upper

95 100

174 92.2 0.0 183.8

176 88.7 0.0 176.4





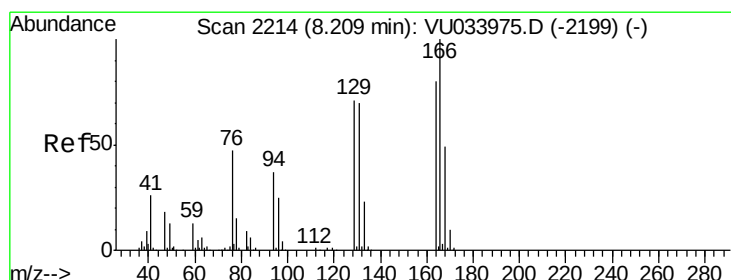
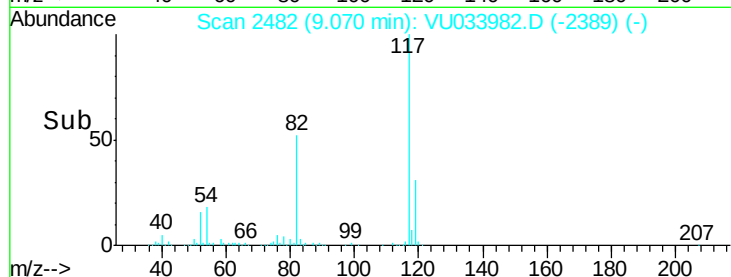
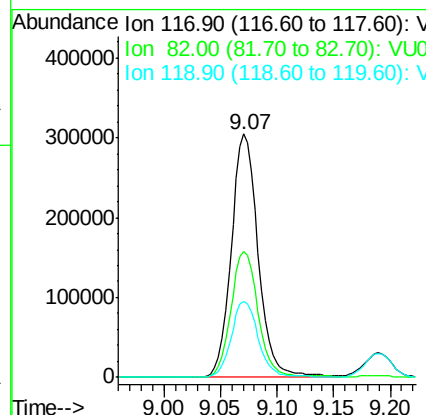
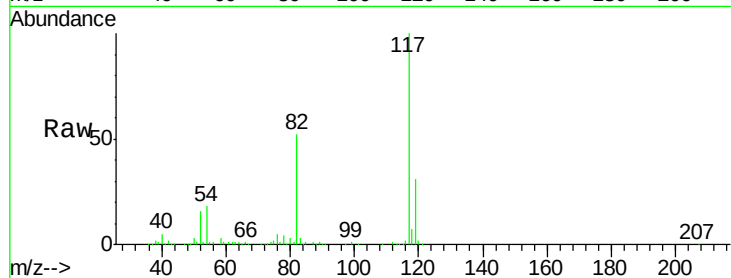
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	504501		
82	52.0		43.8	65.8
119	31.4		25.7	38.5

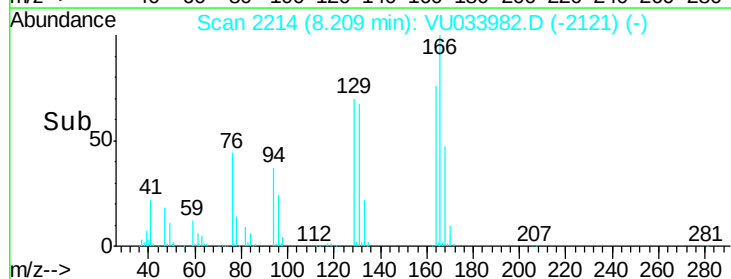
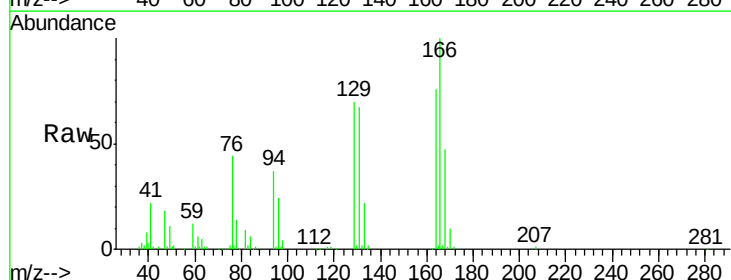
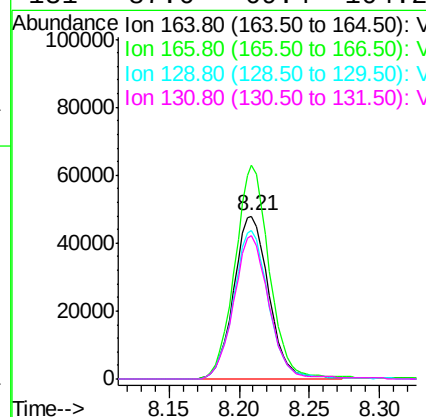
Manual Integrations
APPROVED

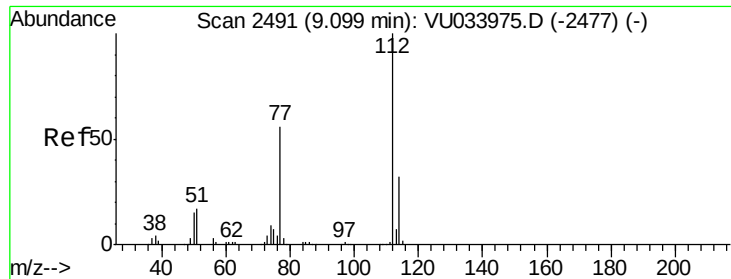
MMDadoda
8/28/2019 9:58:05 AM



#64
Tetrachloroethene
Concen: 20.620 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83642		
166	131.1		99.5	149.3
129	91.3		70.9	106.3
131	87.6		69.4	104.2





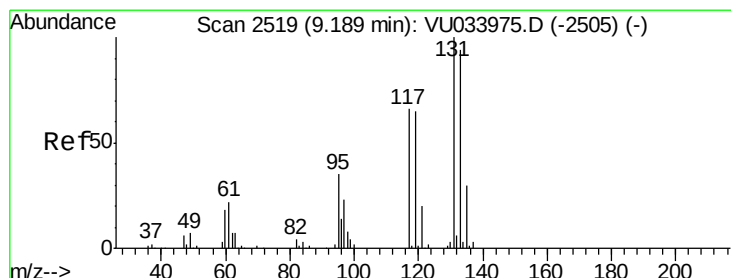
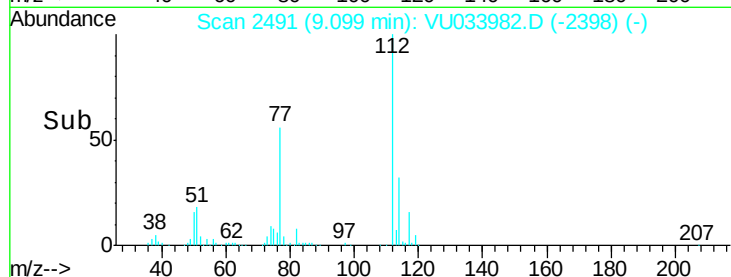
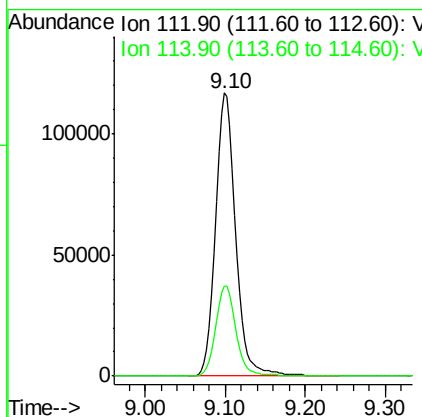
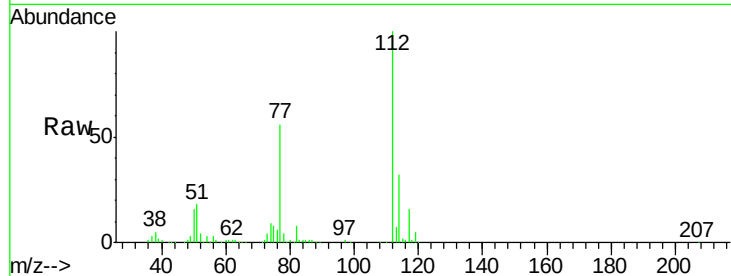
#65
Chlorobenzene
Concen: 19.708 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	204739		
114	31.9	25.8	38.8	

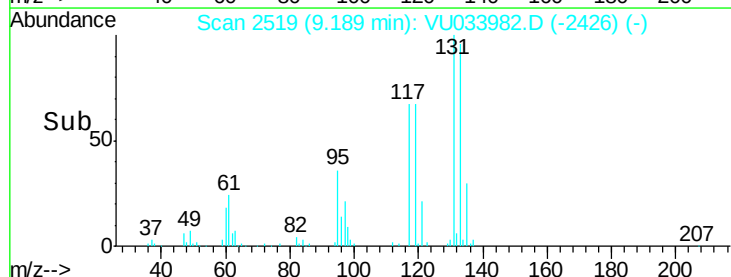
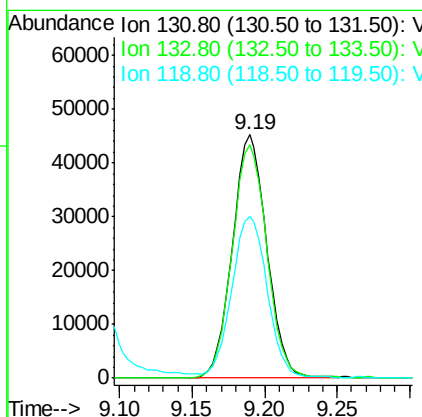
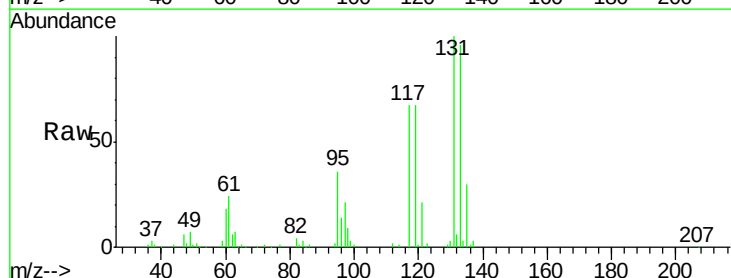
Manual Integrations
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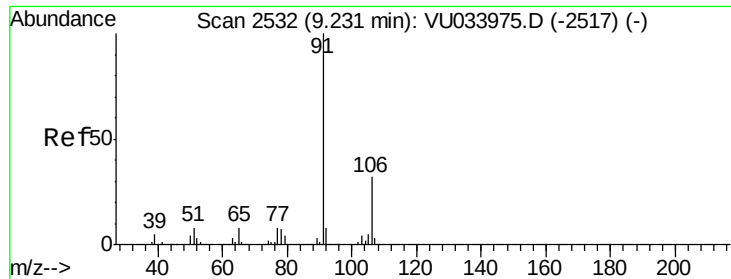
MMDadoda
8/28/2019 9:58:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.274 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	74654		
133	97.0	47.6	142.9	
119	68.0	33.0	98.9	





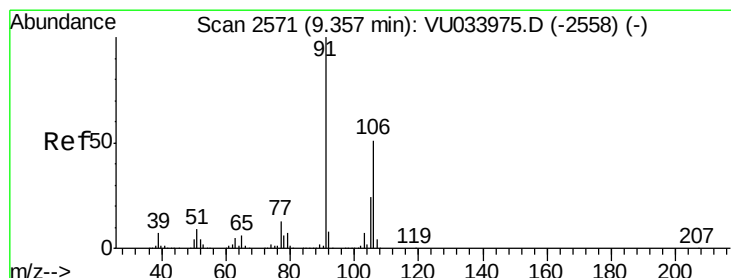
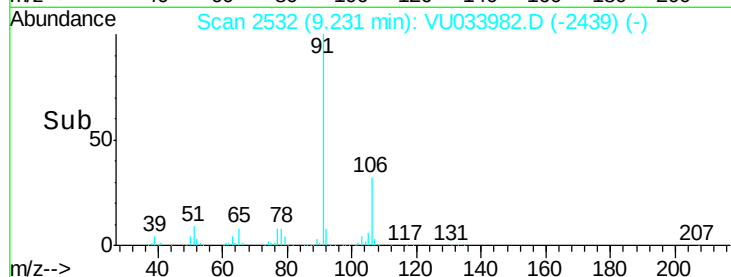
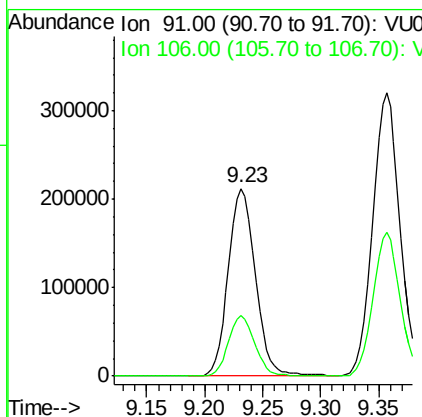
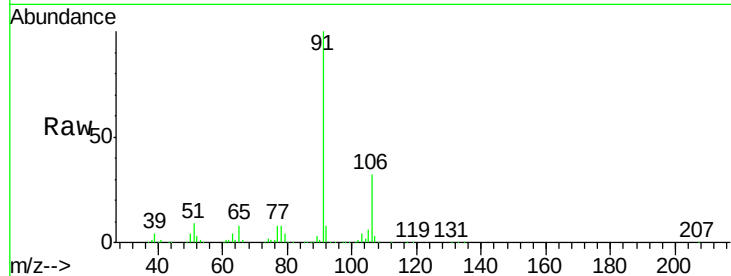
#67
Ethyl Benzene
Concen: 19.911 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion: 91 Resp: 344883
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.0

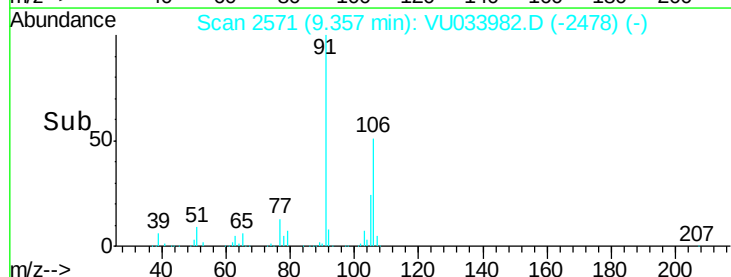
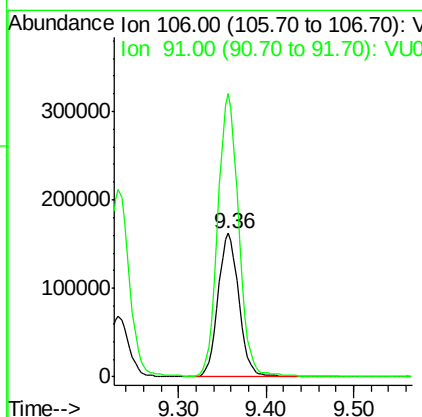
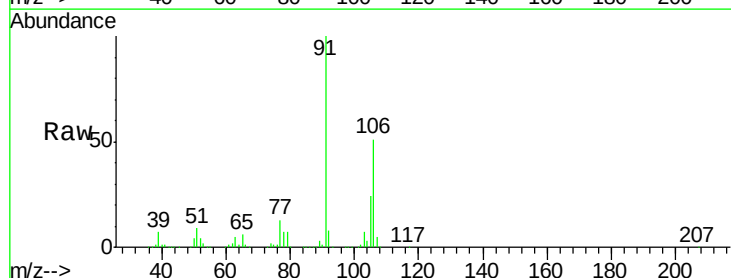
Manual Integrations
APPROVED

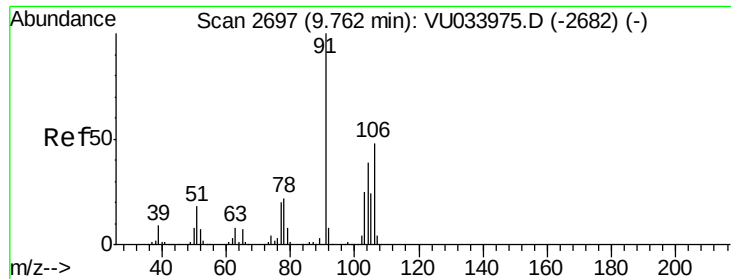
MMDadoda
8/28/2019 9:58:05 AM



#68
m/p-Xylenes
Concen: 40.181 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion: 106 Resp: 268417
Ion Ratio Lower Upper
106 100
91 197.4 158.4 237.6





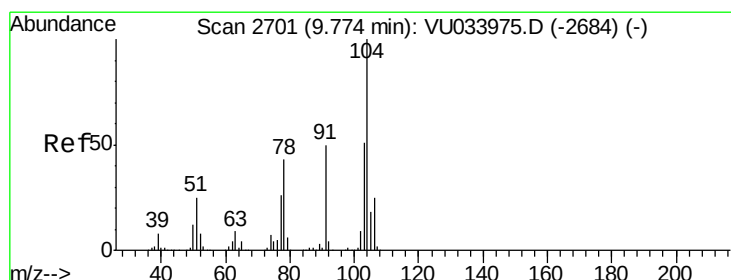
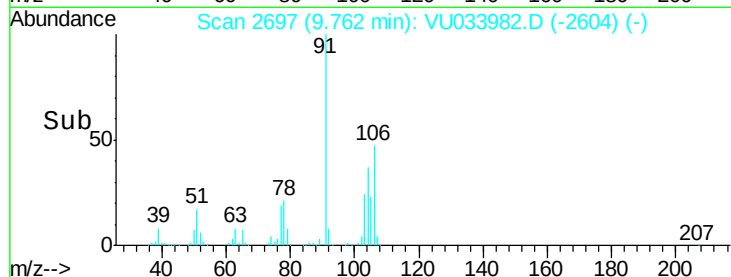
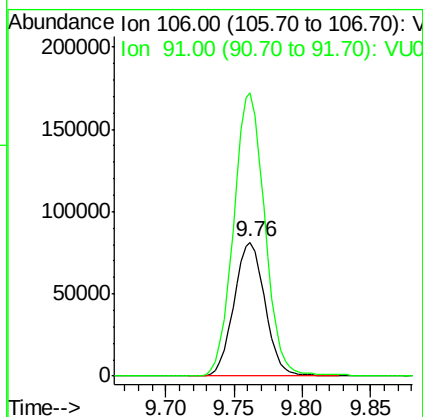
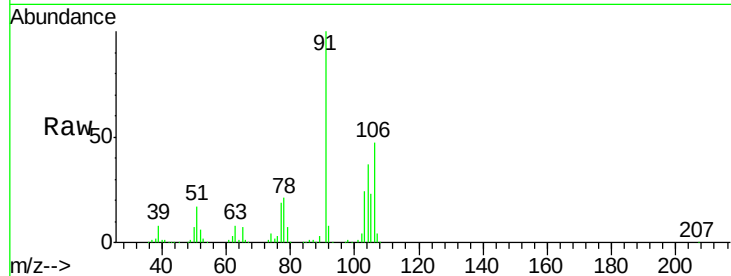
#69
o-Xylene
Concen: 20.188 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	128933		
91	212.9	104.5	313.3	

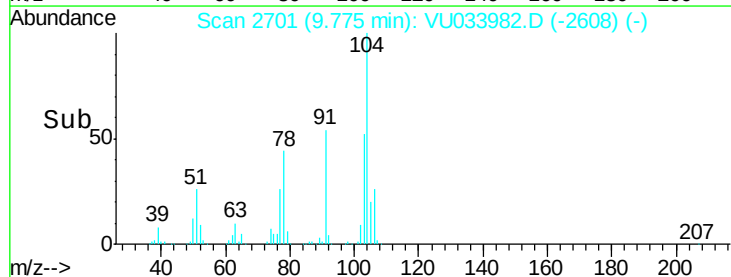
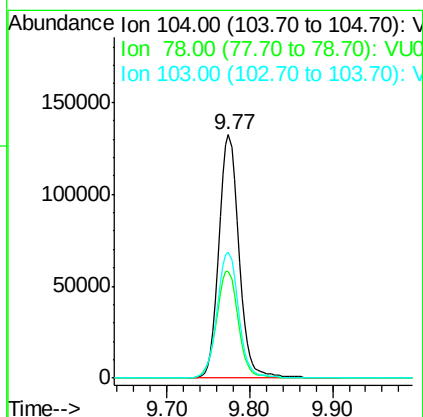
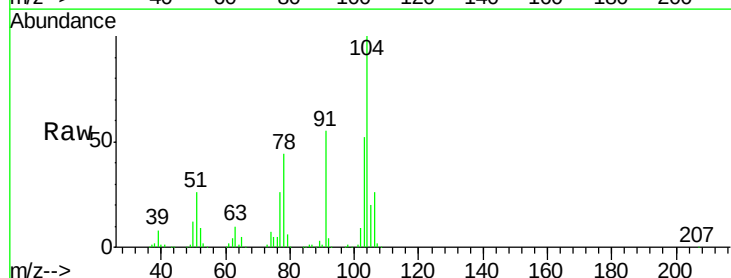
Manual Integrations
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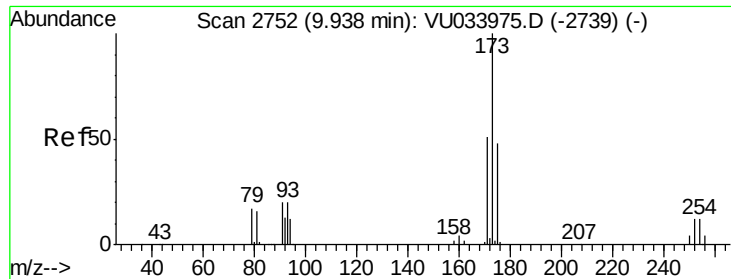
MMDadoda
8/28/2019 9:58:05 AM



#70
Styrene
Concen: 20.258 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	221428		
78	48.1	37.5	56.3	
103	55.4	43.9	65.9	





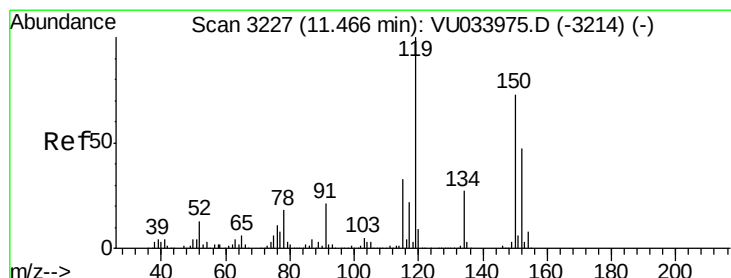
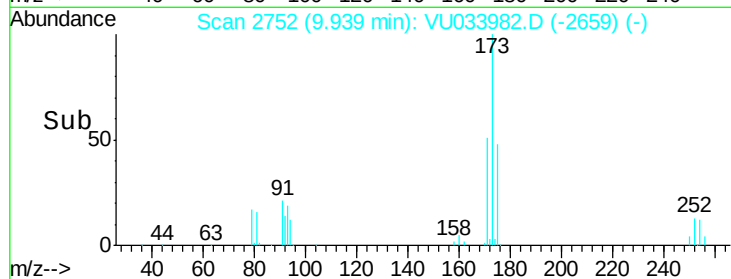
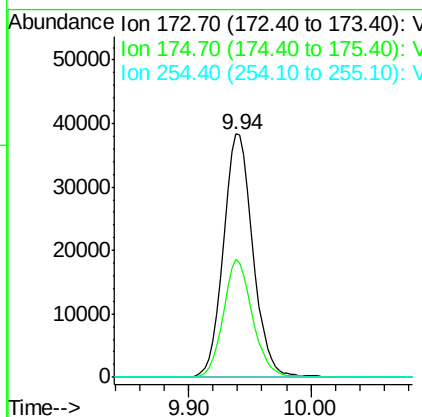
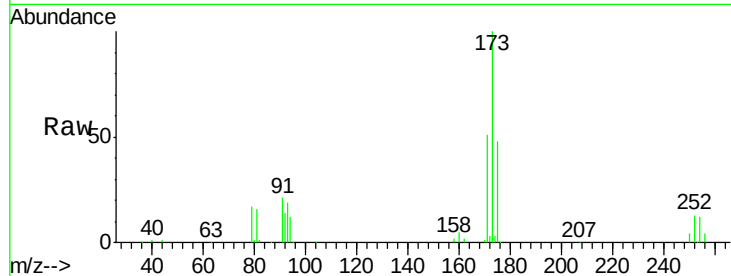
#71
Bromoform
Concen: 18.994 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.3	72.9
254	0.0	0.1	0.1#

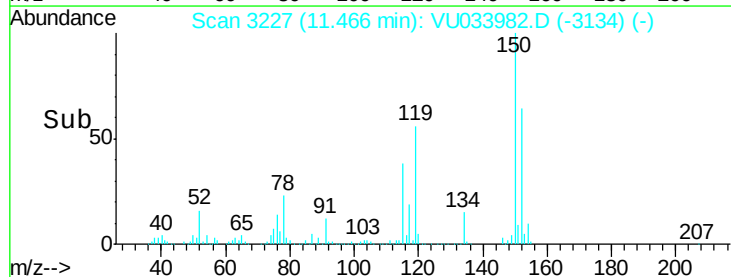
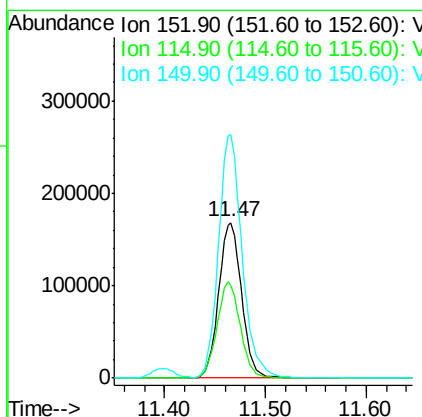
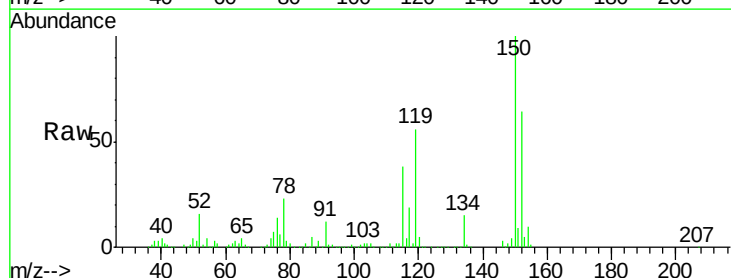
Manual Integrations
APPROVED

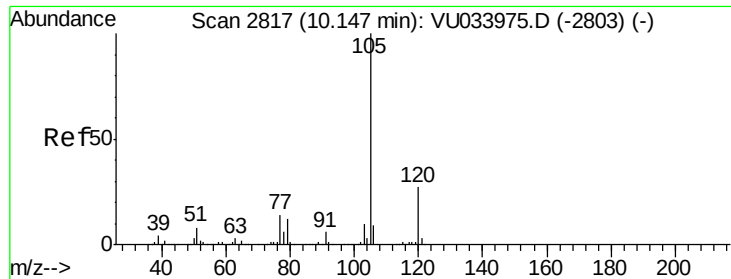
MMDadoda
8/28/2019 9:58:05 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	38.6	115.7
150	160.2	0.0	343.8





#73

Isopropylbenzene

Concen: 20.334 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion:105 Resp: 349250

Ion Ratio Lower Upper

105 100

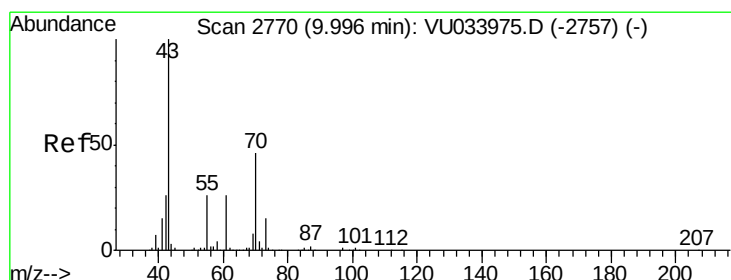
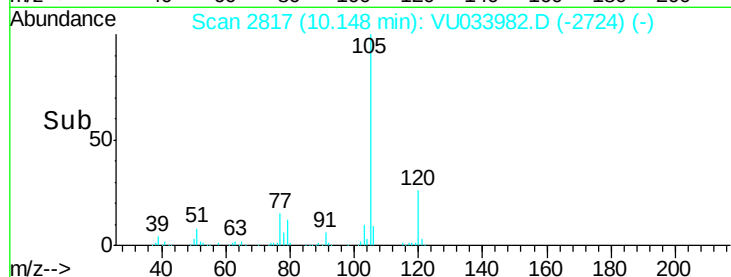
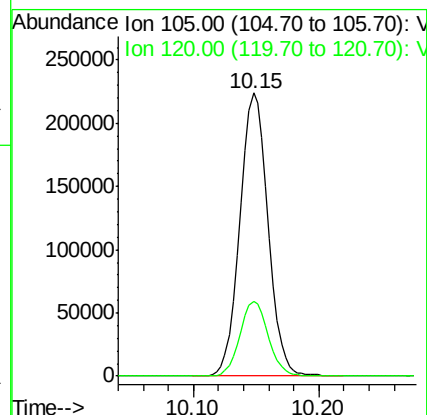
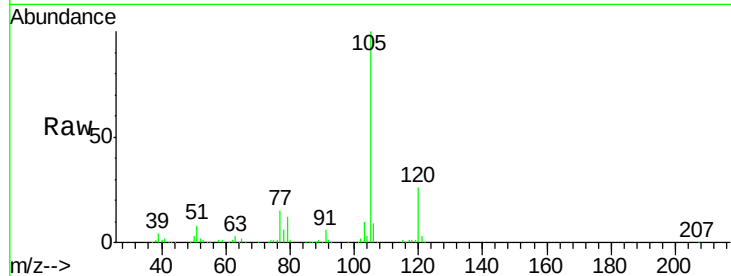
120 26.6 13.5 40.5

Manual Integrations

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8/28/2019 9:58:05 AM



#74

N-ethyl acetate

Concen: 19.470 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Tgt Ion: 43 Resp: 125529

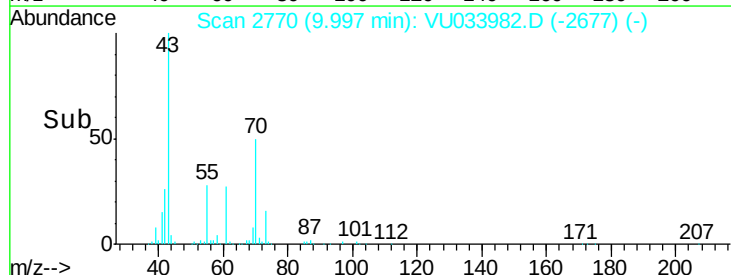
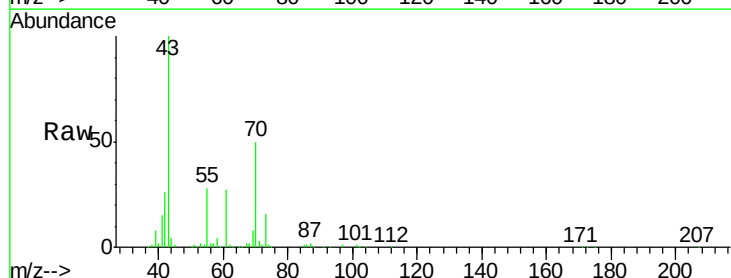
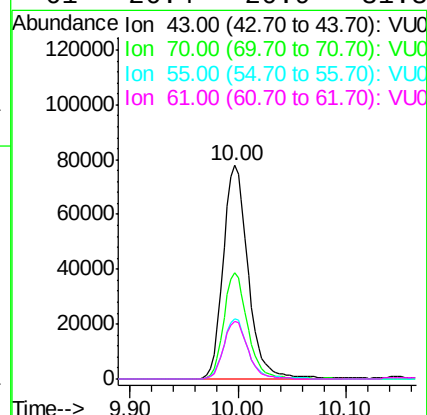
Ion Ratio Lower Upper

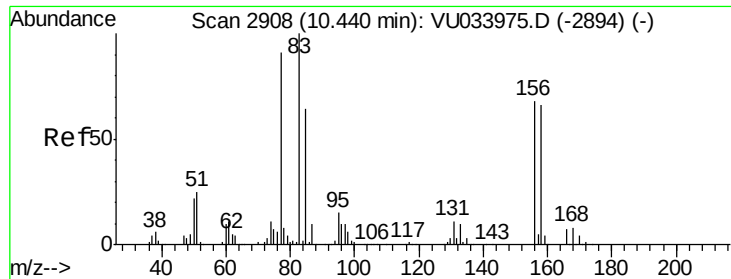
43 100

70 47.6 37.4 56.0

55 27.7 21.0 31.4

61 26.4 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.179 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

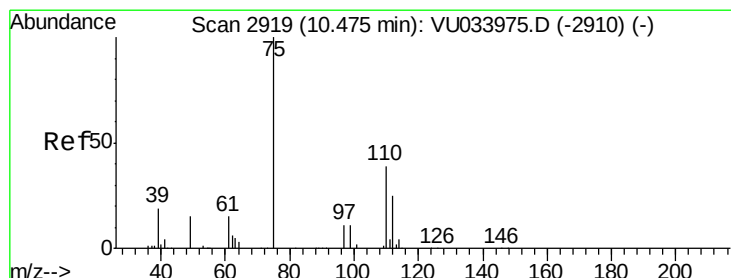
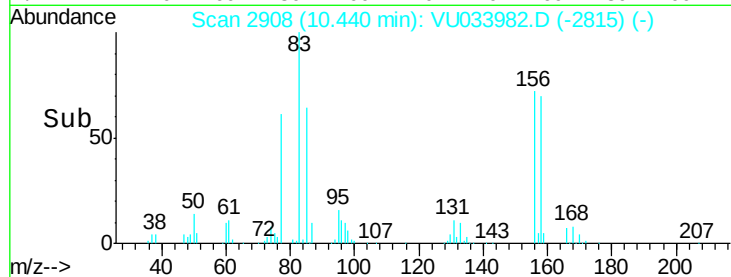
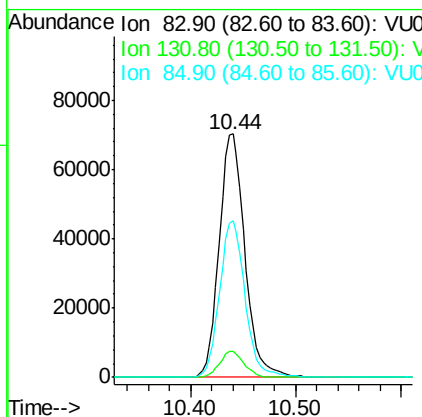
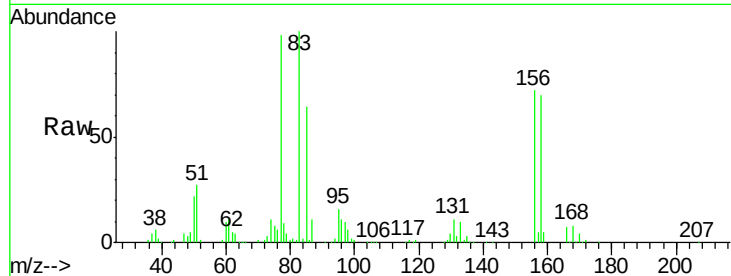
ClientSampleId :

VU0828WBS01

Tot Ion:	83	Resp:	118648
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	16.1
85	63.8	32.0	96.0

Manual Integrations
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8/28/2019 9:58:05 AM



#76

1,2,3-Trichloropropane

Concen: 19.414 ug/l m

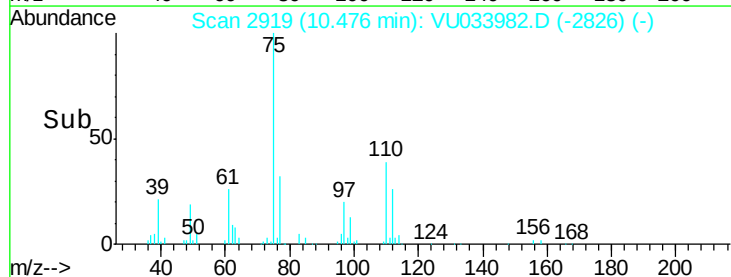
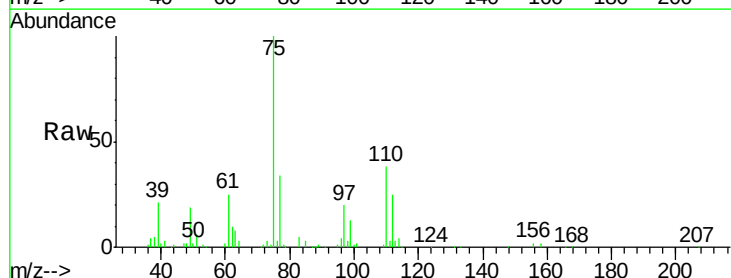
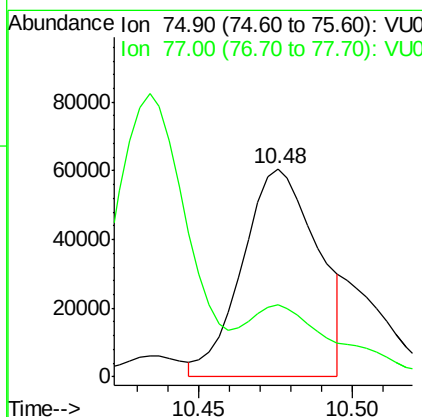
RT: 10.48 min Scan# 2919

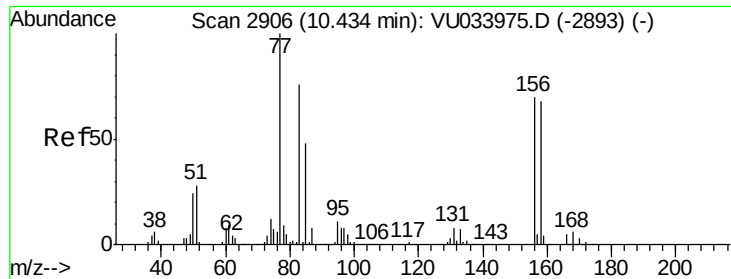
Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Tgt Ion:	75	Resp:	103231
Ion Ratio	Lower	Upper	
75	100		
77	40.2	21.0	63.0





#77

Bromobenzene

Concen: 19.827 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

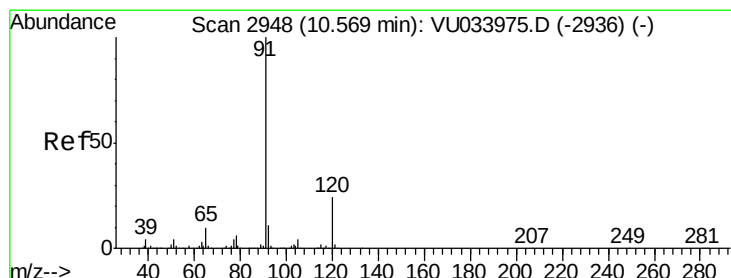
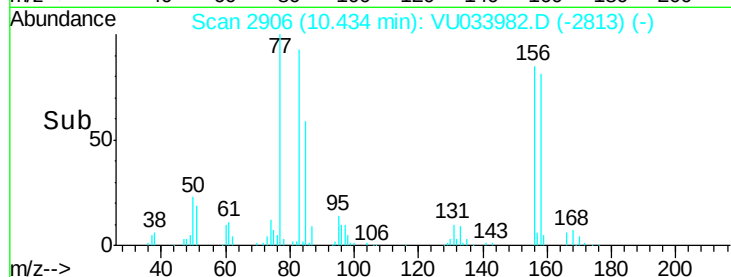
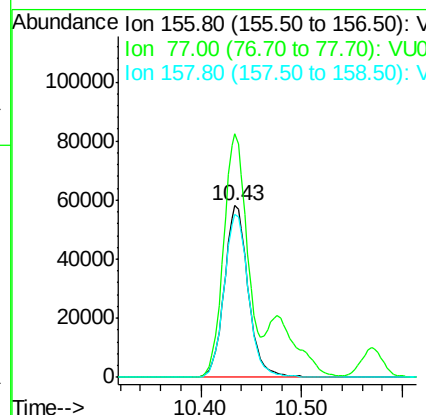
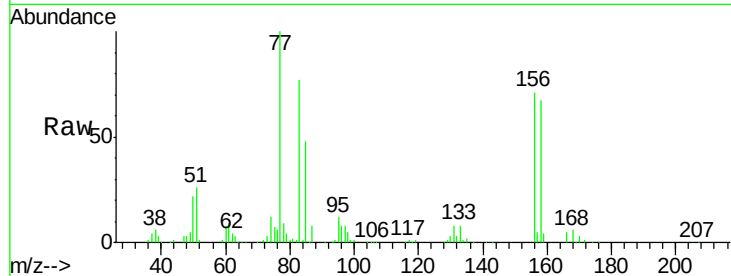
ClientSampleId :

VU0828WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	139.9	70.3	211.1
158	96.8	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.139 ug/l

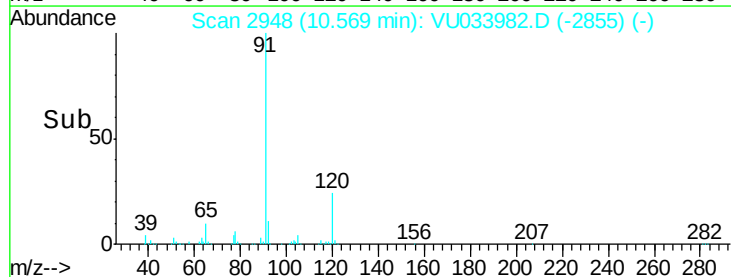
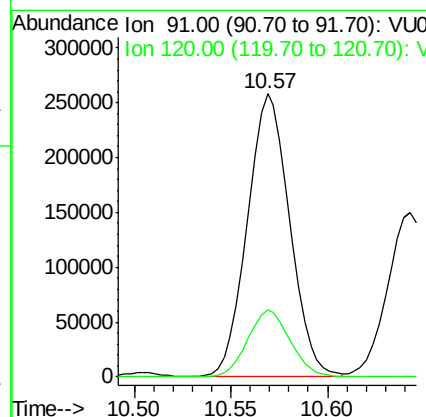
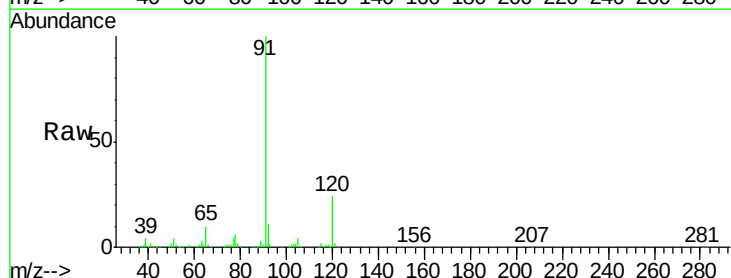
RT: 10.57 min Scan# 2948

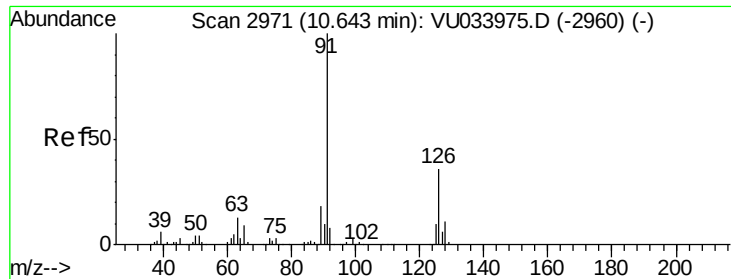
Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.0	36.0





#79

2-Chlorotoluene

Concen: 20.225 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion: 91 Resp: 237713

Ion Ratio Lower Upper

91 100

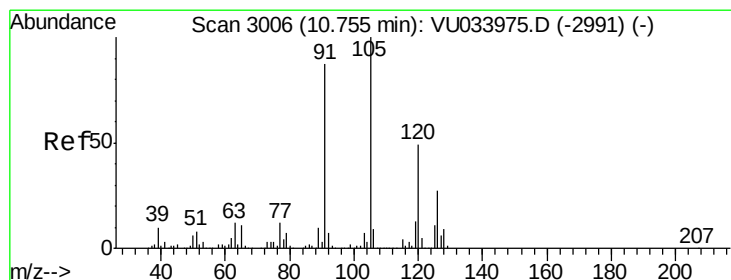
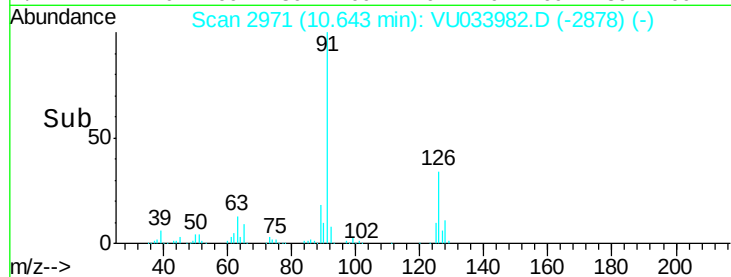
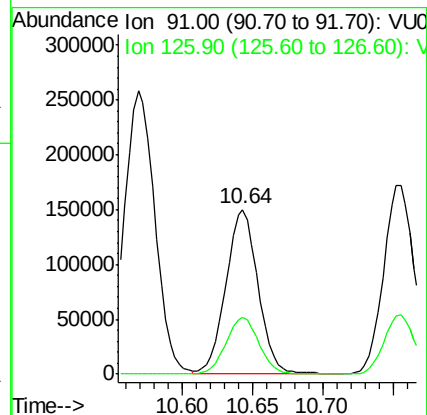
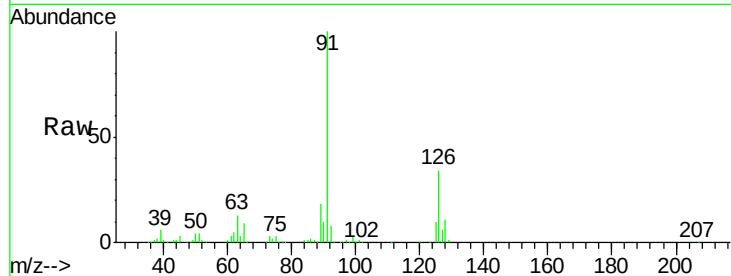
126 35.4 17.8 53.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.596 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033982.D

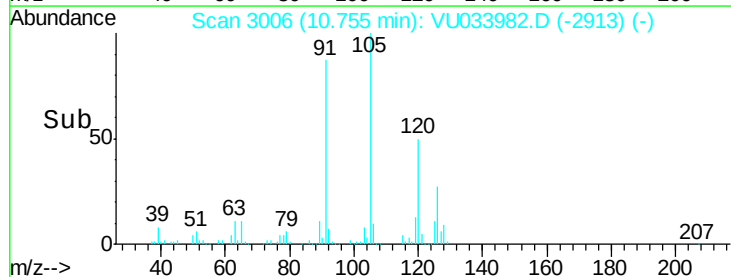
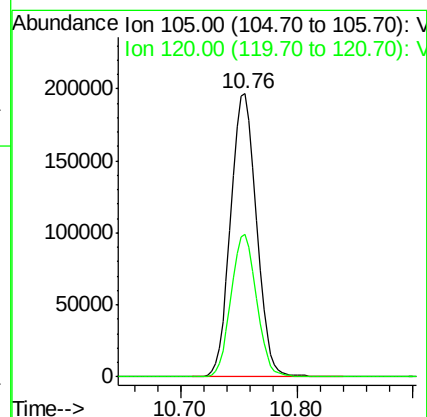
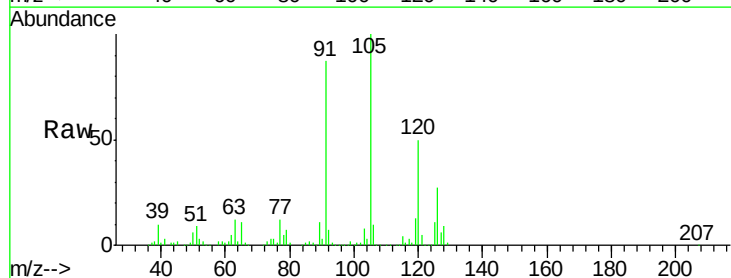
Acq: 27 Aug 2019 19:05

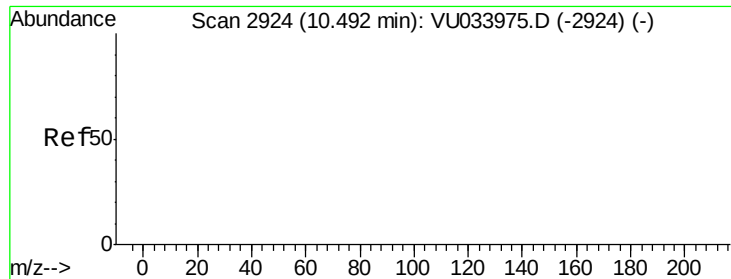
Tgt Ion: 105 Resp: 302978

Ion Ratio Lower Upper

105 100

120 49.8 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.190 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

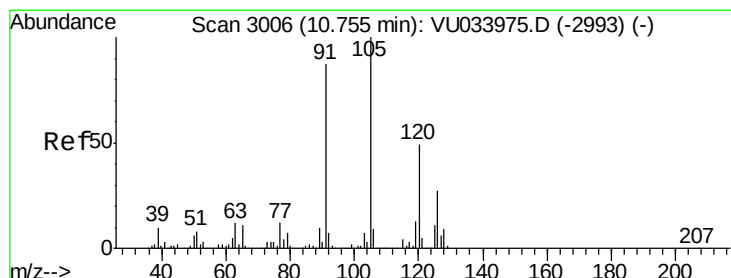
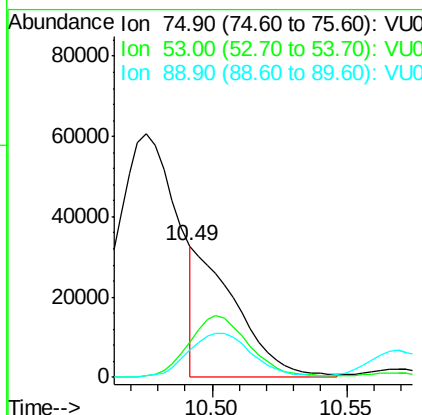
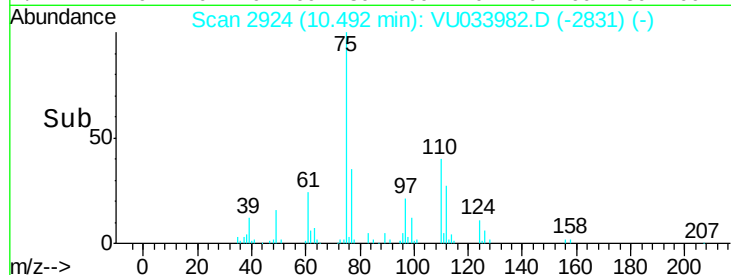
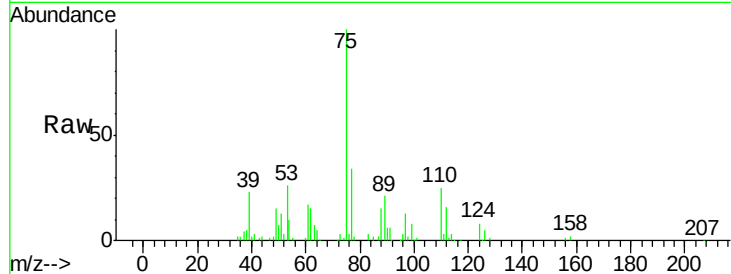
Instrument :
MSVOA_U

ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.637 ug/l

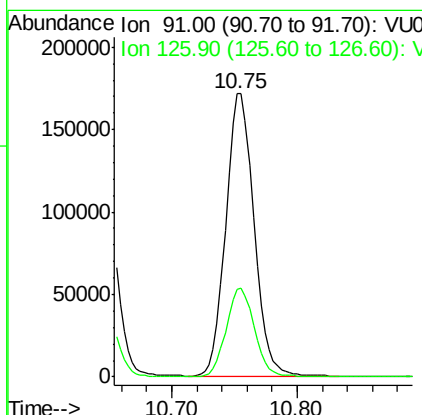
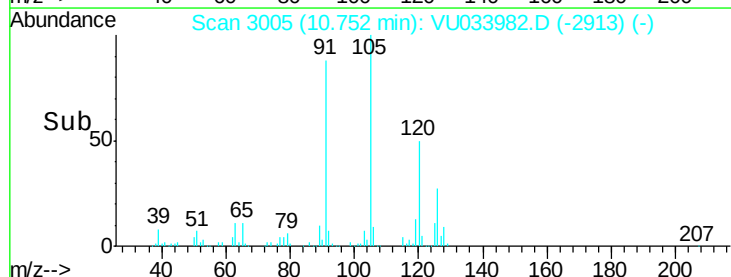
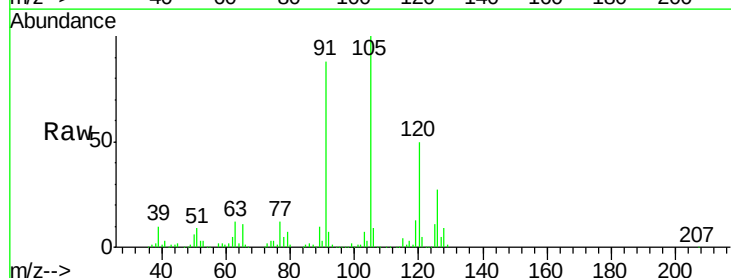
RT: 10.75 min Scan# 3005

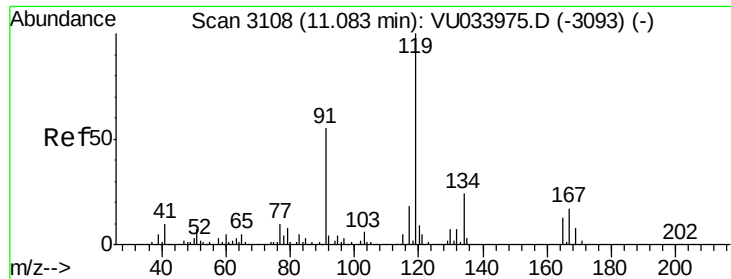
Delta R.T. -0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.4	46.4





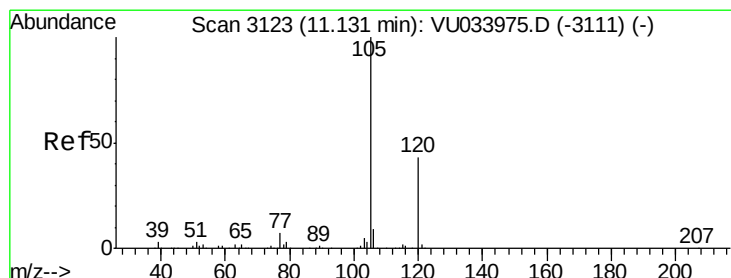
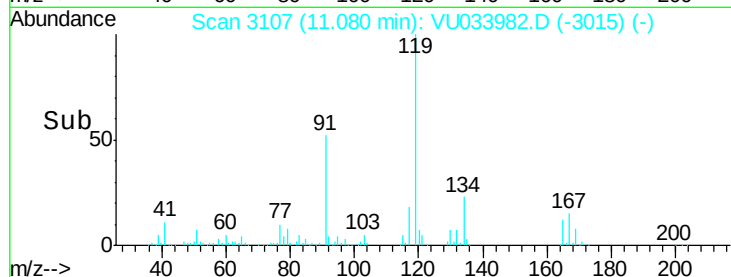
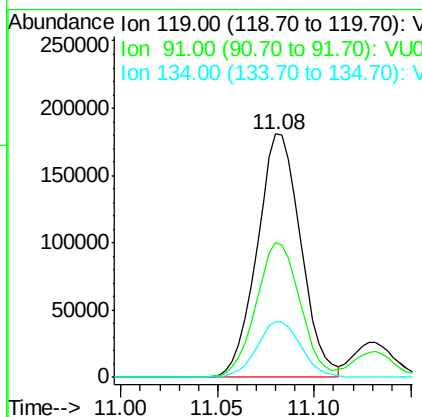
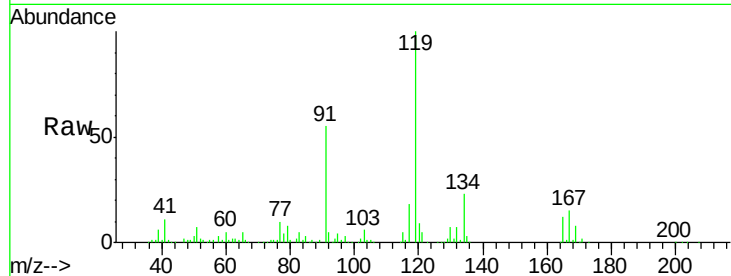
#83
 tert-Butylbenzene
 Concen: 19.880 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	283886		
91	55.6		27.6	82.8
134	23.1		11.6	34.7

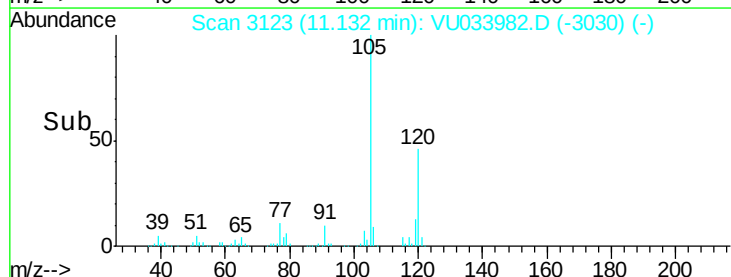
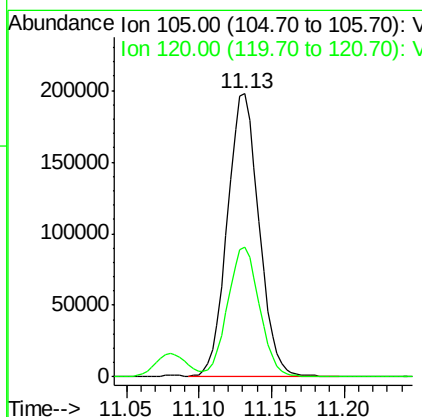
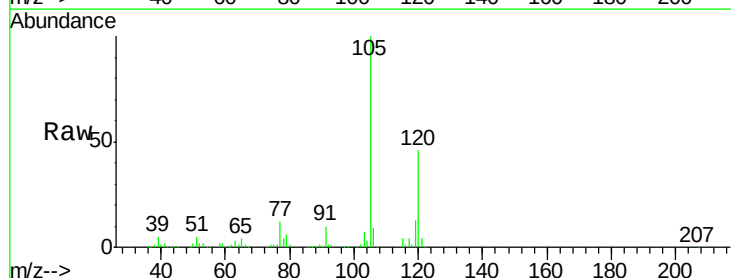
Manual Integrations
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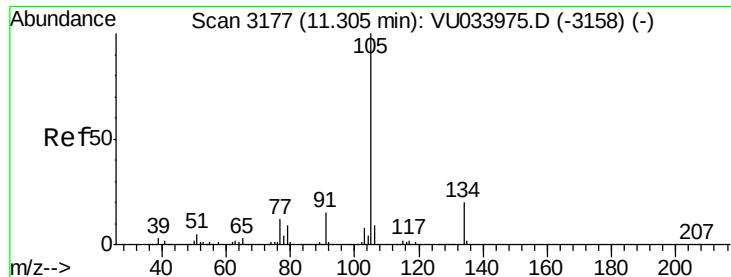
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.671 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	298533		
120	46.4		23.3	69.9





#85

sec-Butylbenzene

Concen: 19.943 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion:105 Resp: 339876

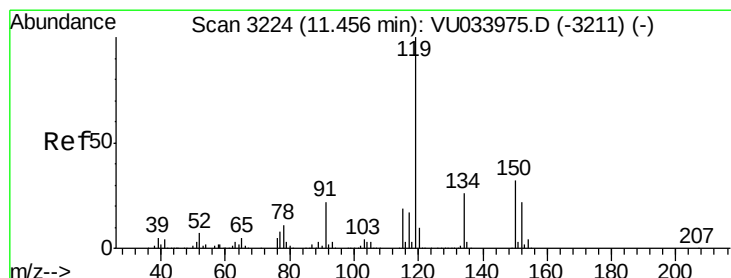
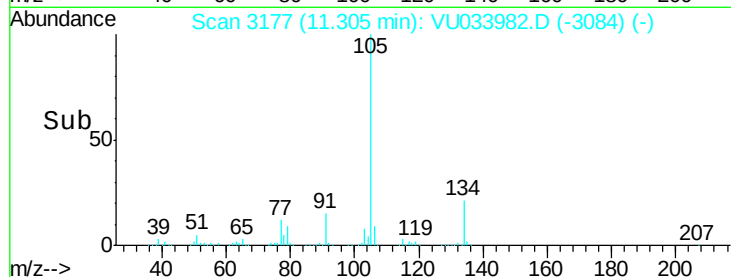
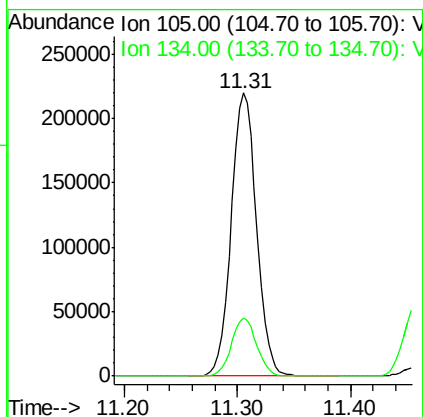
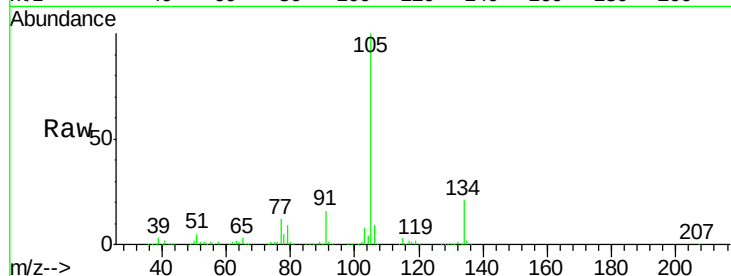
Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.248 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

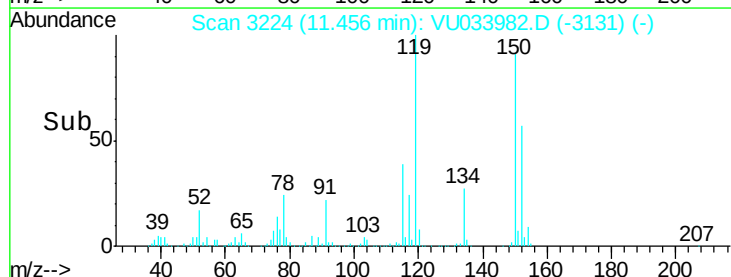
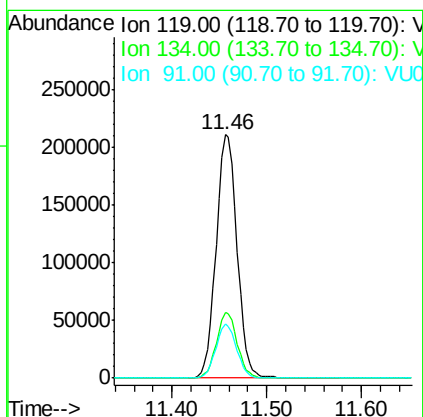
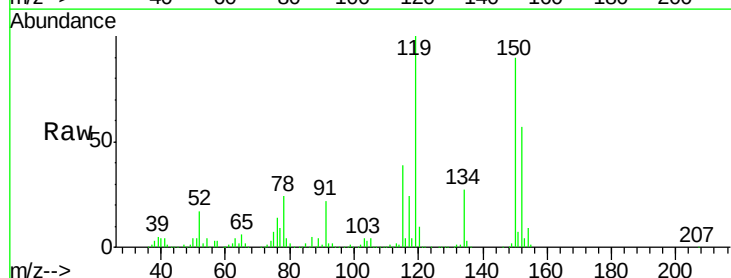
Tgt Ion:119 Resp: 322991

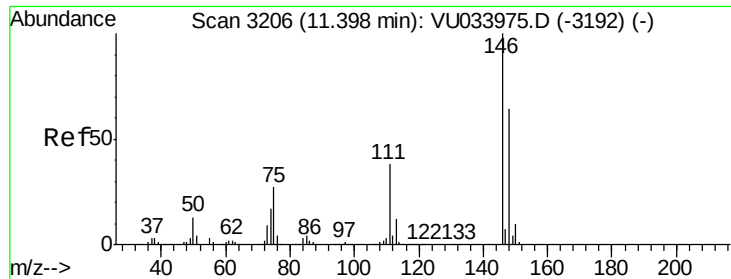
Ion Ratio Lower Upper

119 100

134 26.9 13.0 38.9

91 22.0 10.9 32.9





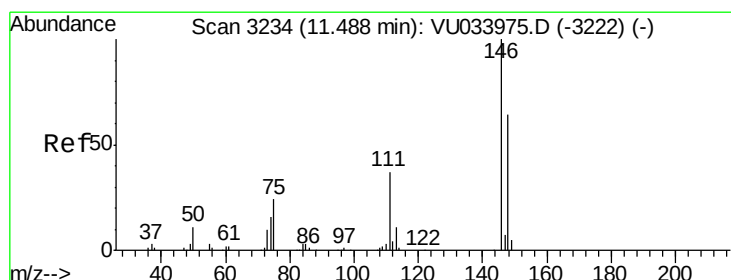
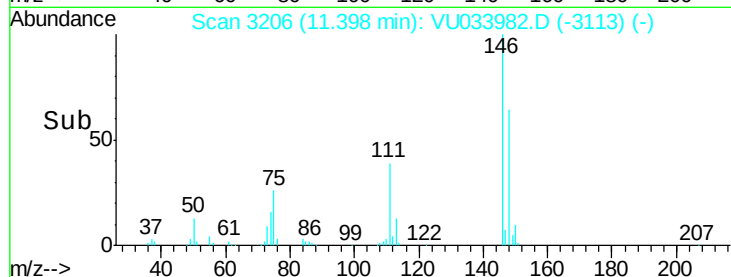
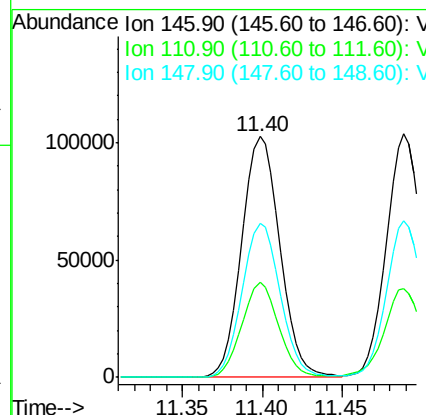
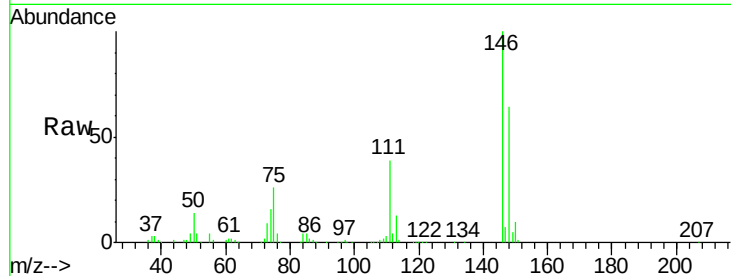
#87
 1,3-Dichlorobenzene
 Concen: 19.385 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	63.8	31.9	95.7

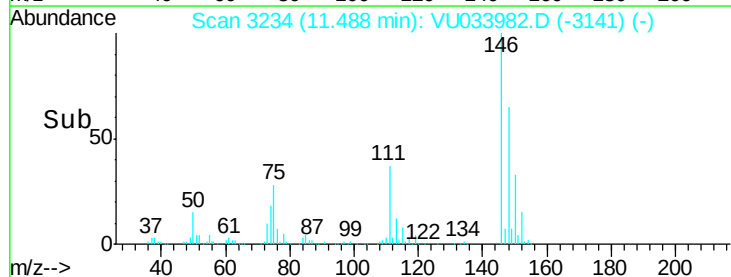
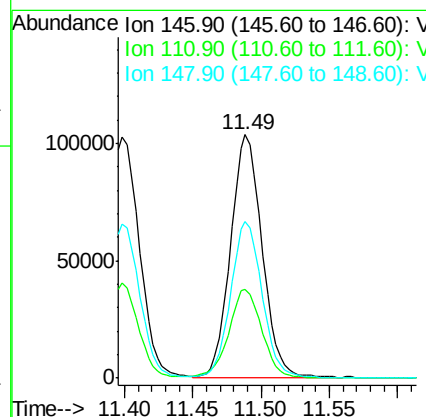
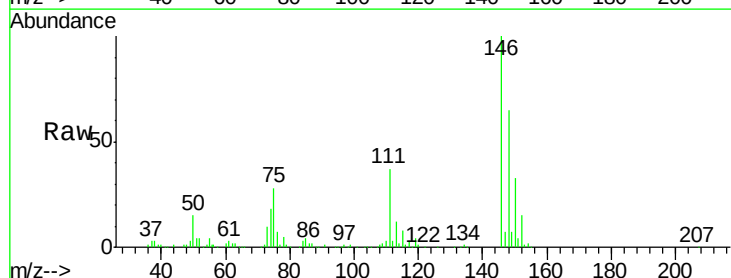
Manual Integrations
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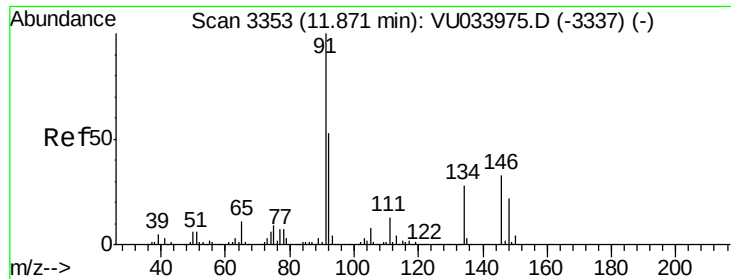
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#88
 1,4-Dichlorobenzene
 Concen: 19.007 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.8	56.4
148	64.5	31.9	95.7





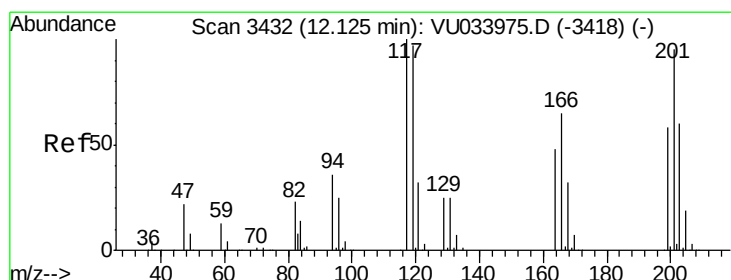
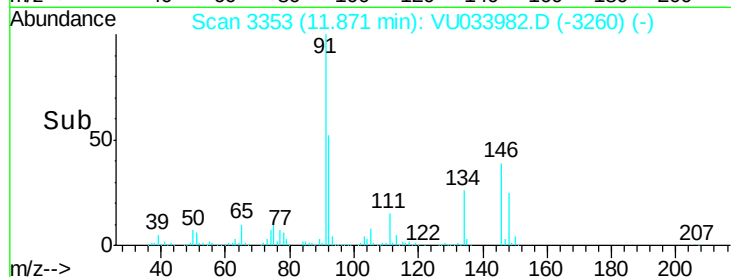
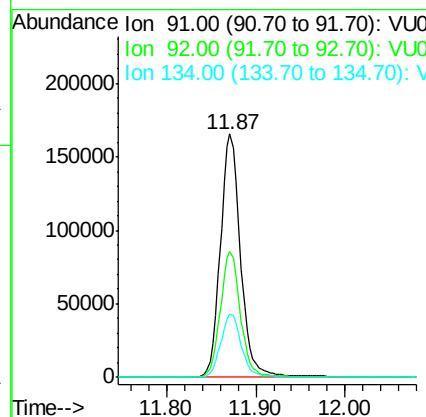
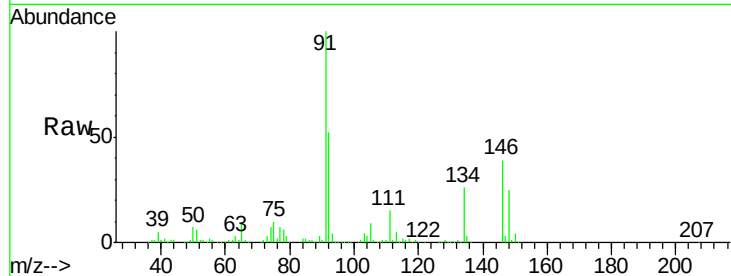
#89
n-Butylbenzene
Concen: 19.487 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	259810		
92	51.7		26.7	80.0
134	26.5		13.6	40.8

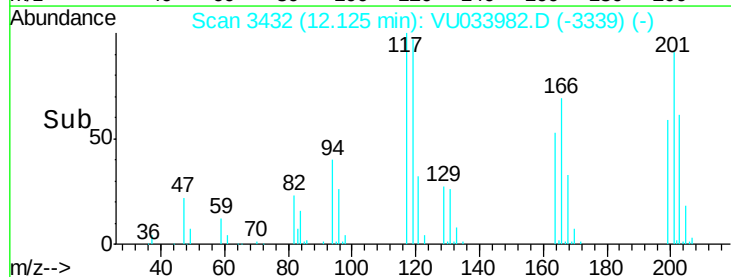
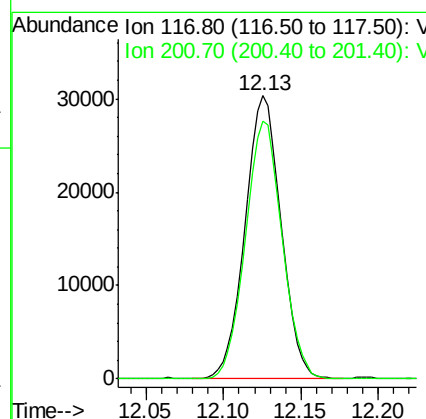
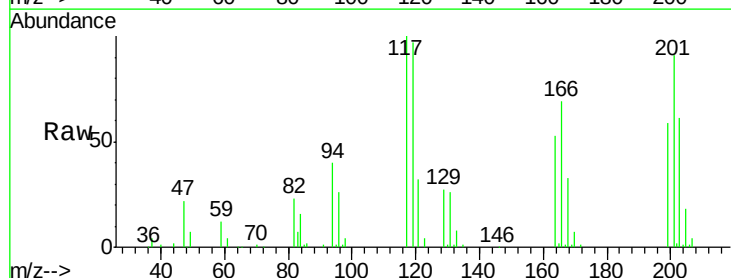
Manual Integrations
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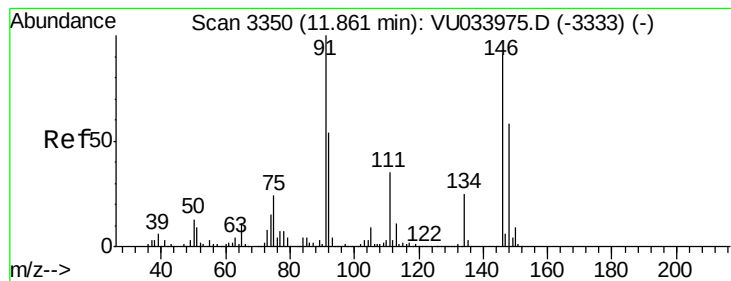
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#90
Hexachloroethane
Concen: 18.660 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU033982.D
Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49233		
201	92.6		47.5	142.5





#91

1,2-Dichlorobenzene

Concen: 19.384 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBS01

Tot Ion:146 Resp: 164295

Ion Ratio Lower Upper

146 100

111 39.9 19.8 59.3

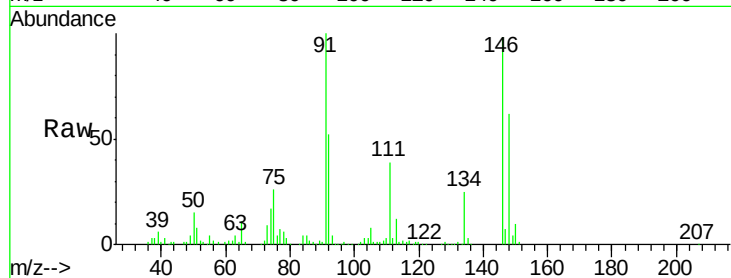
148 64.0 32.0 96.2

Manual Integrations

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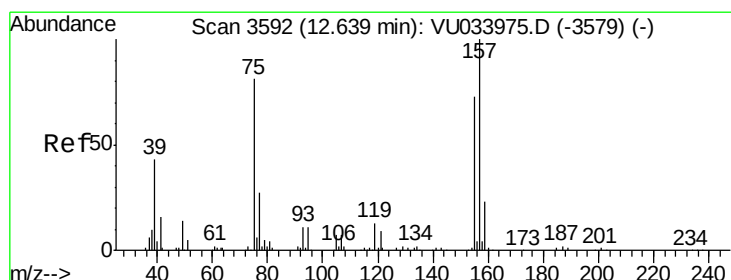
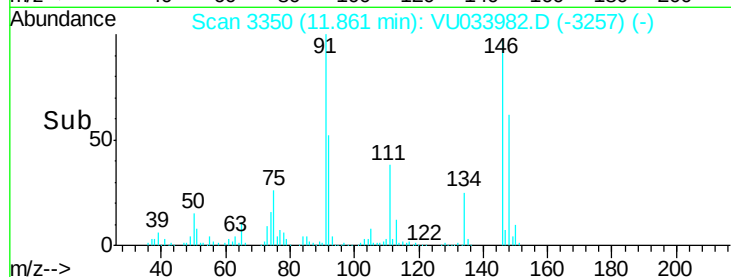
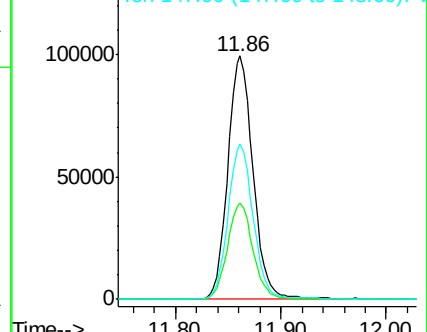
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.721 ug/l

RT: 12.64 min Scan# 3592

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

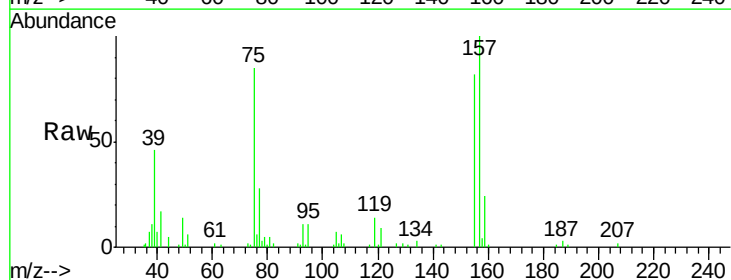
Tgt Ion: 75 Resp: 24437

Ion Ratio Lower Upper

75 100

155 94.6 46.9 140.6

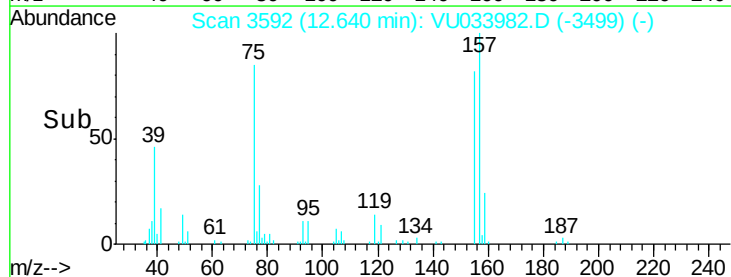
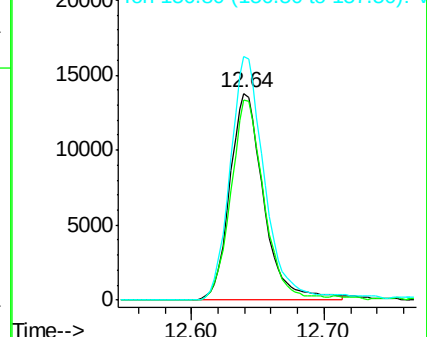
157 118.5 61.2 183.6

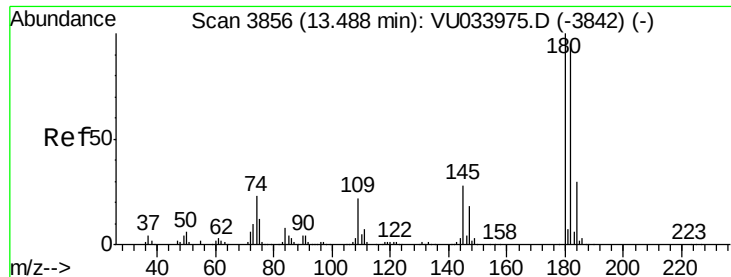


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





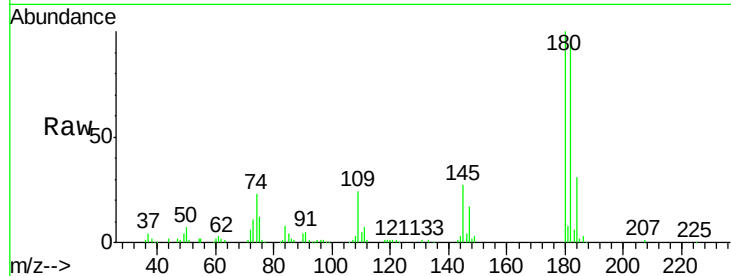
#93
 1,2,4-Trichlorobenzene
 Concen: 17.861 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBS01

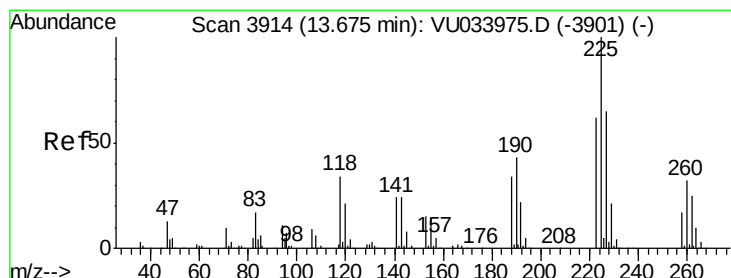
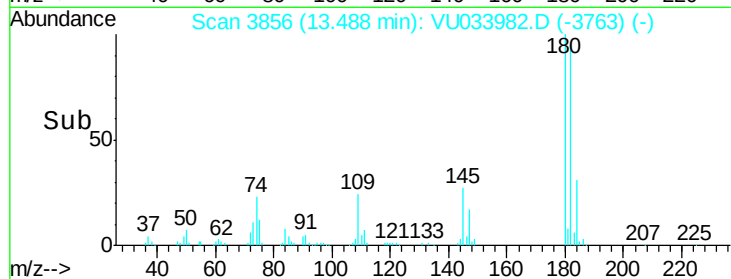
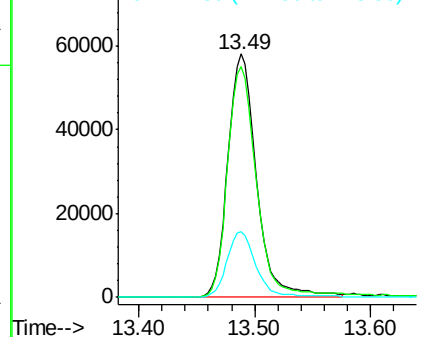
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.4	142.2
145	27.2	14.4	43.2

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:58:05 AM

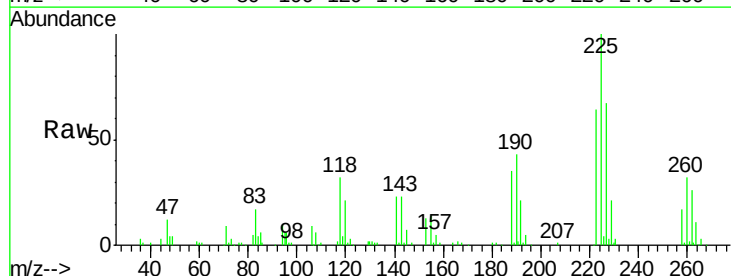


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

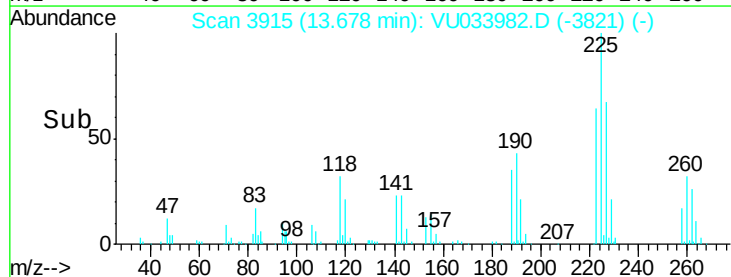
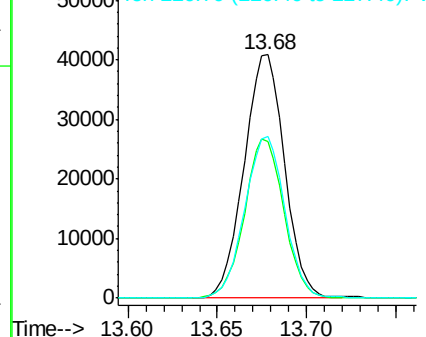


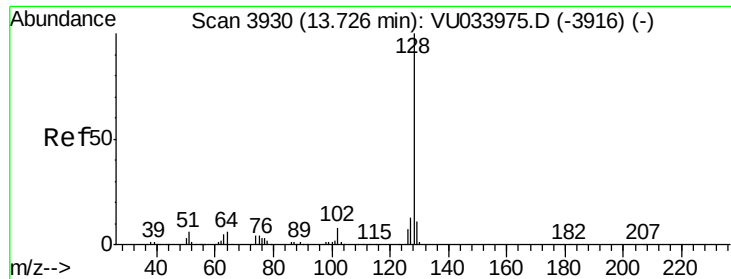
#94
 Hexachlorobutadiene
 Concen: 18.622 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU033982.D
 Acq: 27 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.7	95.1
227	66.0	33.0	99.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.259 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Instrument :

MSVOA_U

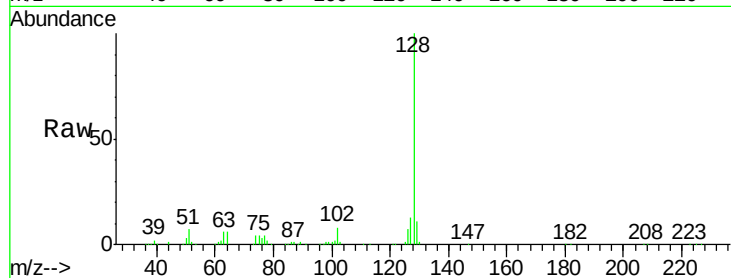
ClientSampleId :

VU0828WBS01

Tot Ion:	128	Resp:	260884
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.9	8.5	12.7

Manual Integrations
APPROVED

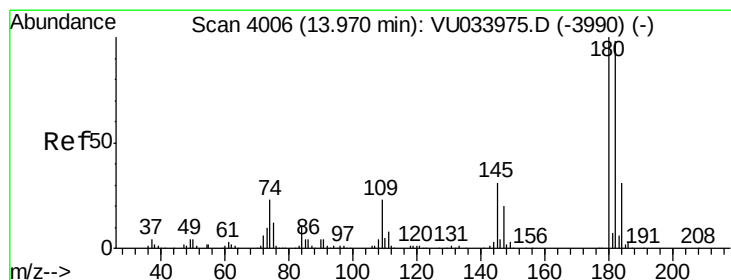
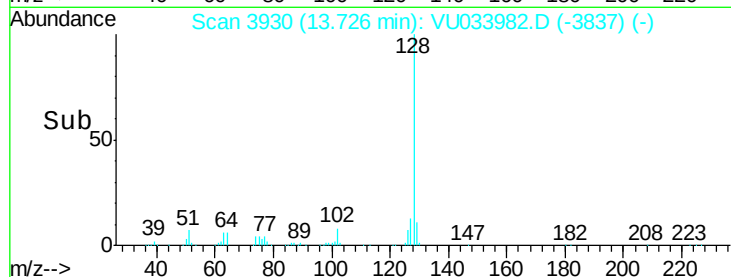
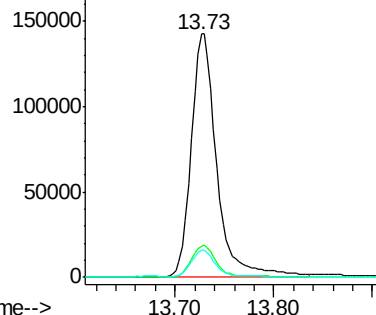
MMDadoda
8/28/2019 9:58:05 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.237 ug/l

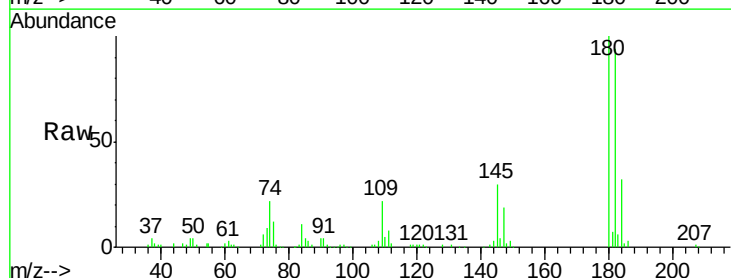
RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033982.D

Acq: 27 Aug 2019 19:05

Tgt Ion:	180	Resp:	104189
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.4	145.3
145	29.3	15.1	45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

