

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU026966.D
 Acq On : 21 Sep 2018 14:05
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:01 PM

Quant Time: Sep 22 10:18:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 00:44:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	75431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	128666	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	117377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	49988	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	1004	1.194 ug/l	88
3) Chloromethane	1.33	50	2064	1.689 ug/l	96
4) Vinyl Chloride	1.40	62	1691	1.365 ug/l	89
5) Bromomethane	1.62	94	940	1.237 ug/l	95
6) Chloroethane	1.70	64	981	1.239 ug/l	93
7) Trichlorofluoromethane	1.88	101	1917	1.215 ug/l	89
8) Diethyl Ether	2.11	74	870	1.230 ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1224	1.301 ug/l	89
10) Methyl Iodide	2.41	142	1390	1.692 ug/l #	93
11) Tert butyl alcohol	2.83	59	2108	7.176 ug/l #	72
12) 1,1-Dichloroethene	2.28	96	1095	1.227 ug/l #	86
13) Acrolein	2.20	56	762	3.987 ug/l	97
14) Allyl chloride	2.59	41	2020	1.215 ug/l	95
15) Acrylonitrile	2.94	53	4253	6.613 ug/l	98
16) Acetone	2.32	43	7431	10.836 ug/l	97
17) Carbon Disulfide	2.48	76	3822	1.338 ug/l	99
18) Methyl Acetate	2.62	43	2256	1.482 ug/l #	85
19) Methyl tert-butyl Ether	3.01	73	3646	1.165 ug/l	90
20) Methylene Chloride	2.70	84	1627	1.491 ug/l	87
21) trans-1,2-Dichloroethene	2.99	96	1067	1.127 ug/l	98
22) Diisopropyl ether	3.57	45	3800	1.091 ug/l #	82
23) Vinyl Acetate	3.53	43	15950	5.396 ug/l	99
24) 1,1-Dichloroethane	3.45	63	2378	1.226 ug/l #	84
25) 2-Butanone	4.28	43	6240	6.668 ug/l	95
26) 2,2-Dichloropropane	4.23	77	1936	1.229 ug/l #	65
27) cis-1,2-Dichloroethene	4.23	96	1181	1.089 ug/l	92
28) Bromochloromethane	4.55	49	1006	1.077 ug/l #	89
29) Tetrahydrofuran	4.65	42	3438	6.035 ug/l	91
30) Chloroform	4.67	83	2413	1.280 ug/l	99
31) Cyclohexane	4.99	56	3770	1.885 ug/l #	2
32) 1,1,1-Trichloroethane	4.93	97	1670	1.079 ug/l #	49
36) 1,1-Dichloropropene	5.14	75	1631	1.098 ug/l	86
37) Ethyl Acetate	4.39	43	2471	1.347 ug/l #	76
38) Carbon Tetrachloride	5.13	117	1569	1.015 ug/l	89

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	1496	0.855	ug/l	98
40) Benzene	5.40	78	4961	1.080	ug/l	95
41) Methacrylonitrile	4.56	41	895	0.936	ug/l #	29
42) 1,2-Dichloroethane	5.41	62	1844	1.107	ug/l	83
43) Isopropyl Acetate	5.56	43	2781	1.003	ug/l #	93
44) Trichloroethene	6.19	130	973	0.876	ug/l	89
45) 1,2-Dichloropropane	6.43	63	1311	1.040	ug/l	96
46) Dibromomethane	6.57	93	838	1.047	ug/l	93
47) Bromodichloromethane	6.76	83	1797	1.134	ug/l #	92
48) Methyl methacrylate	6.63	41	1136	0.827	ug/l	98
49) 1,4-Dioxane	6.62	88	475	15.389	ug/l #	84
51) 4-Methyl-2-Pentanone	7.47	43	8340	4.460	ug/l	94
52) Toluene	7.64	92	2393	0.872	ug/l	94
53) t-1,3-Dichloropropene	7.89	75	1511	0.855	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	1774	0.931	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	1061	0.908	ug/l	94
56) Ethyl methacrylate	8.03	69	1171	0.680	ug/l	95
57) 1,3-Dichloropropane	8.25	76	1957	0.966	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	3243	3.677	ug/l	92
59) 2-Hexanone	8.37	43	7197	4.918	ug/l	87
60) Dibromochloromethane	8.48	129	1084	0.875	ug/l	98
61) 1,2-Dibromoethane	8.59	107	1113	0.882	ug/l	90
64) Tetrachloroethene	8.23	164	955	1.035	ug/l #	78
65) Chlorobenzene	9.12	112	3312	1.134	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.21	131	936	0.875	ug/l #	59
67) Ethyl Benzene	9.25	91	4357	0.897	ug/l	92
68) m/p-Xylenes	9.38	106	2651	1.443	ug/l	90
69) o-Xylene	9.78	106	1369	0.768	ug/l	97
70) Styrene	9.80	104	1883	0.645	ug/l	93
71) Bromoform	9.96	173	658	0.723	ug/l #	99
73) Isopropylbenzene	10.17	105	3136	0.899	ug/l	100
74) N-amyl acetate	10.02	43	2059	1.210	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	10.46	83	2045	1.422	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	1690m	1.444	ug/l	
77) Bromobenzene	10.46	156	953	1.025	ug/l	91
78) n-propylbenzene	10.59	91	3417	0.837	ug/l	97
79) 2-Chlorotoluene	10.66	91	2545	1.008	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	2334	0.797	ug/l	91
81) trans-1,4-Dichloro-2-buten	10.51	75	475m	1.186	ug/l	
82) 4-Chlorotoluene	10.77	91	2546	0.897	ug/l	100
83) tert-Butylbenzene	11.10	119	2801	0.951	ug/l	94
84) 1,2,4-Trimethylbenzene	11.15	105	2351	0.795	ug/l	93
85) sec-Butylbenzene	11.33	105	2782	0.790	ug/l	100
86) p-Isopropyltoluene	11.48	119	2231	0.730	ug/l	86
87) 1,3-Dichlorobenzene	11.42	146	1724	0.994	ug/l	89
88) 1,4-Dichlorobenzene	11.51	146	2390	1.324	ug/l	96
89) n-Butylbenzene	11.89	91	2112	0.782	ug/l	86
90) Hexachloroethane	12.15	117	774	1.255	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	2203	1.264	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.66	75	351	1.217	ug/l	96

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ClientSampleId :
VSTDICC001

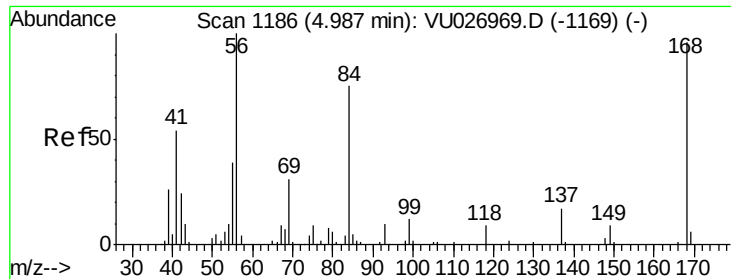
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Sep 22 00:44:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	905	0.794	ug/l	89
94) Hexachlorobutadiene	13.70	225	521	0.889	ug/l	92
95) Naphthalene	13.75	128	2958	0.839	ug/l #	85
96) 1,2,3-Trichlorobenzene	13.99	180	1023	0.855	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 75431

Ion Ratio Lower Upper

168 100

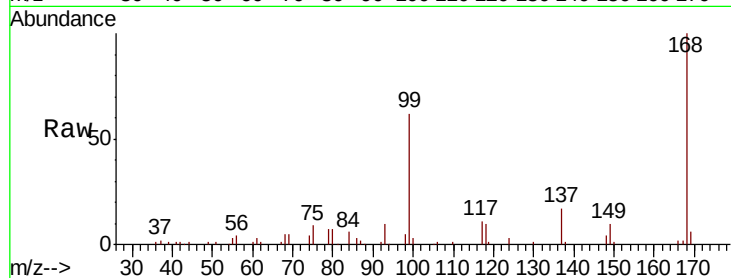
99 60.8 48.1 72.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

30000

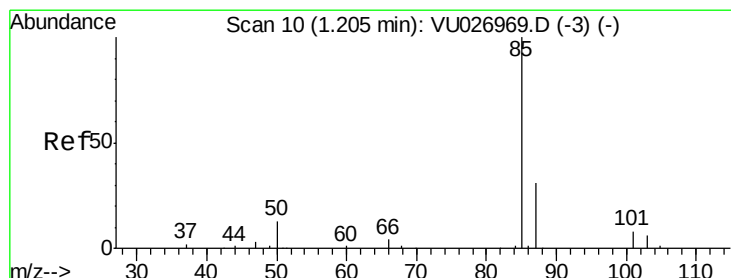
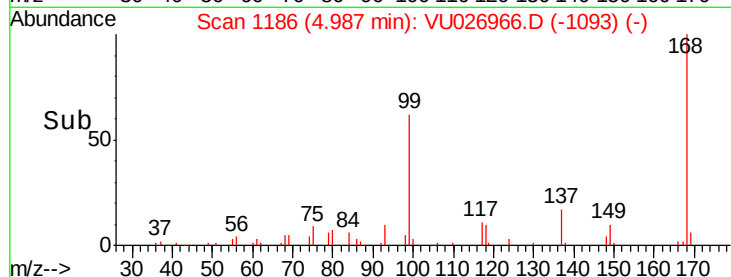
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 1.194 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026966.D

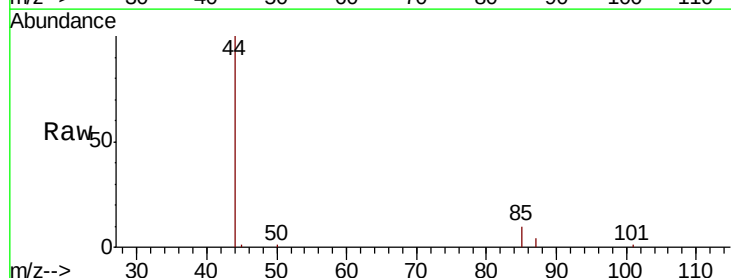
Acq: 21 Sep 2018 14:05

Tgt Ion: 85 Resp: 1004

Ion Ratio Lower Upper

85 100

87 37.6 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

1.21

1000

800

600

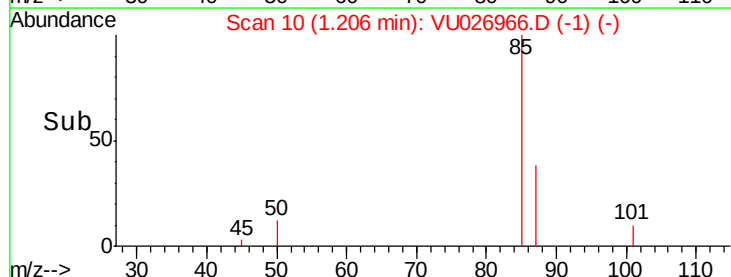
400

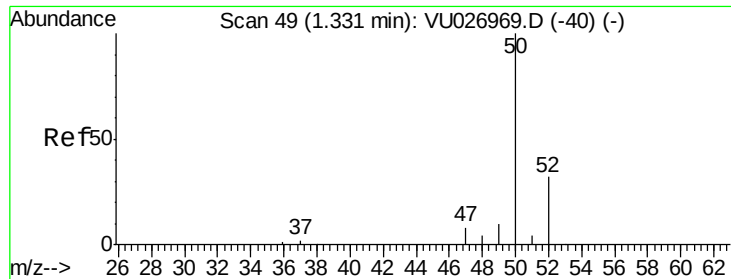
200

0

1.18 1.20 1.22 1.24

Time-->





#3

Chloromethane

Concen: 1.689 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 2064

Ion Ratio Lower Upper

50 100

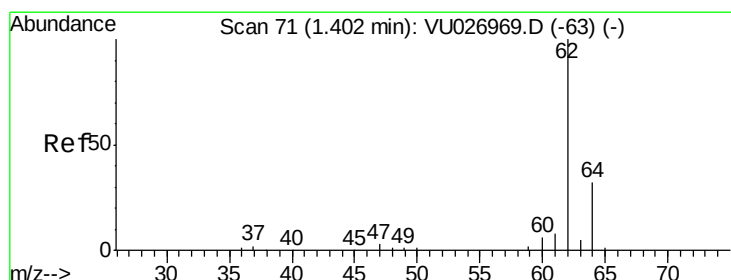
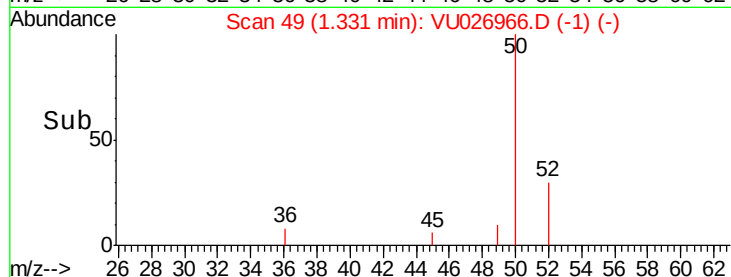
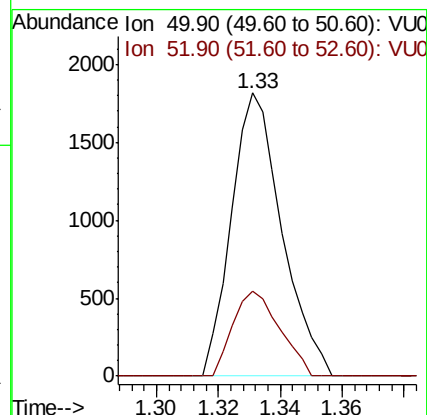
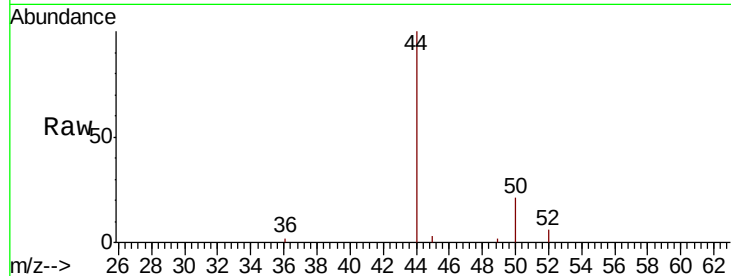
52 30.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.365 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU026966.D

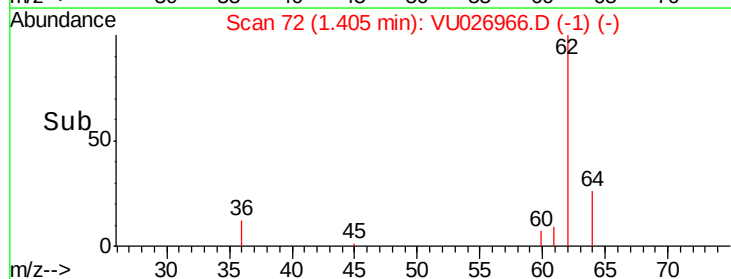
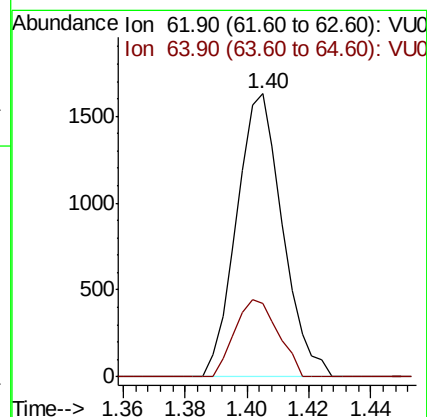
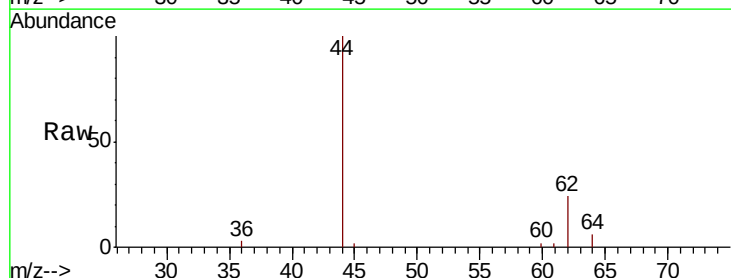
Acq: 21 Sep 2018 14:05

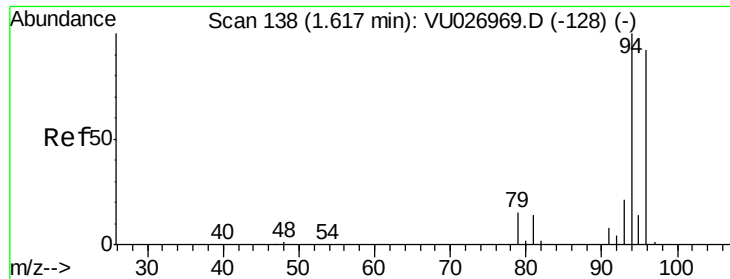
Tgt Ion: 62 Resp: 1691

Ion Ratio Lower Upper

62 100

64 25.8 25.5 38.3





#5

Bromomethane

Concen: 1.237 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 940

Ion Ratio Lower Upper

94 100

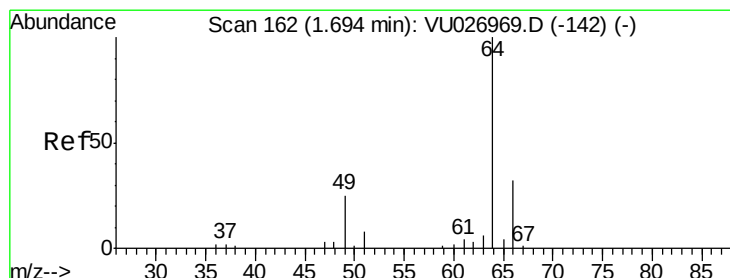
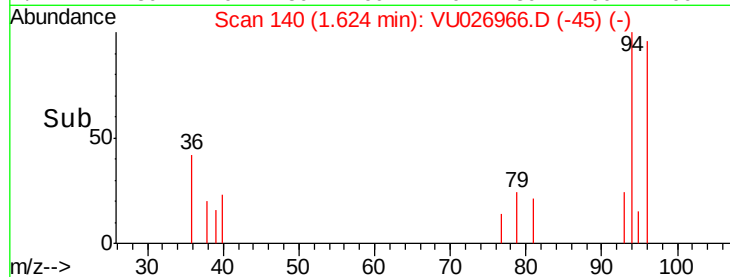
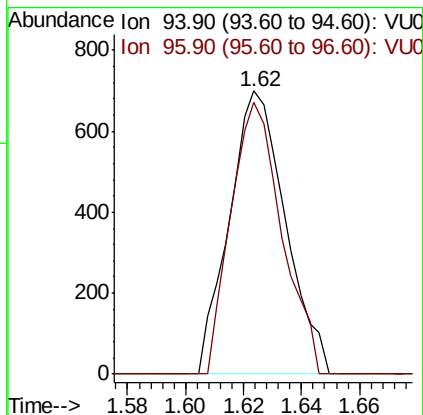
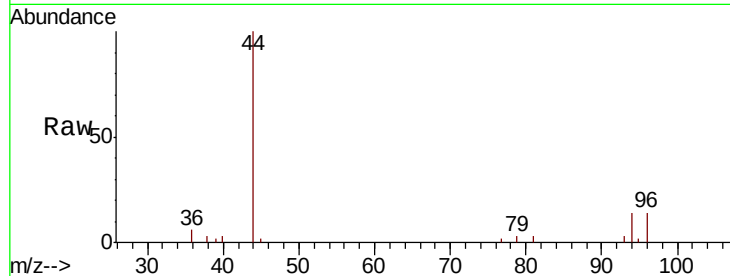
96 96.0 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 1.239 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU026966.D

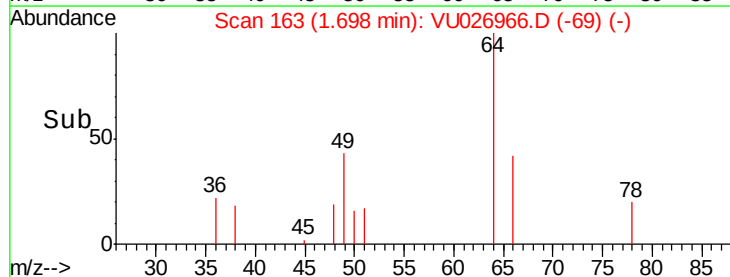
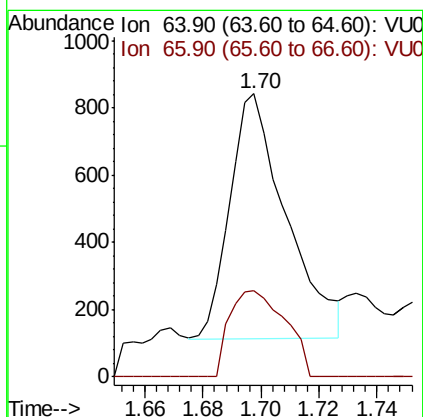
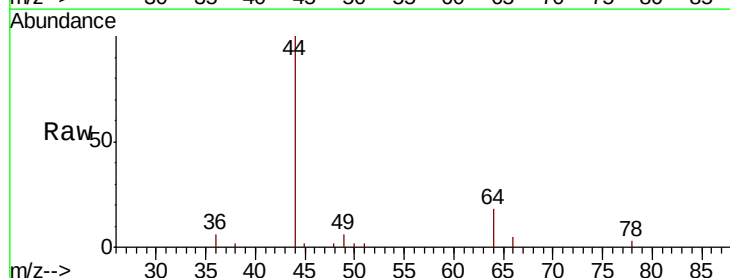
Acq: 21 Sep 2018 14:05

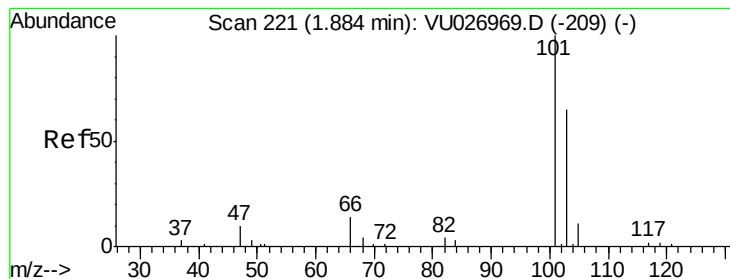
Tgt Ion: 64 Resp: 981

Ion Ratio Lower Upper

64 100

66 35.2 25.3 37.9





#7

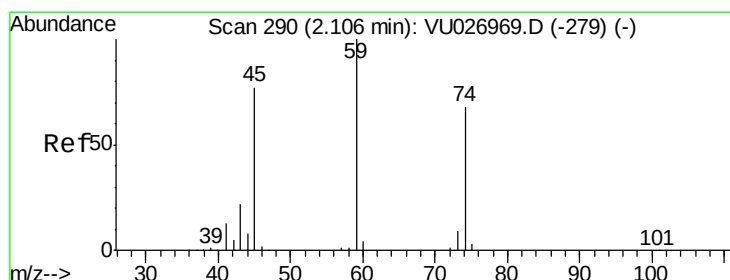
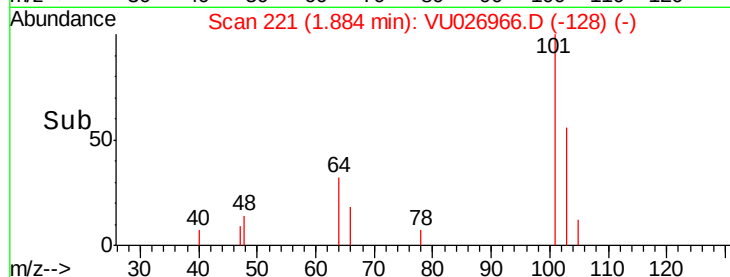
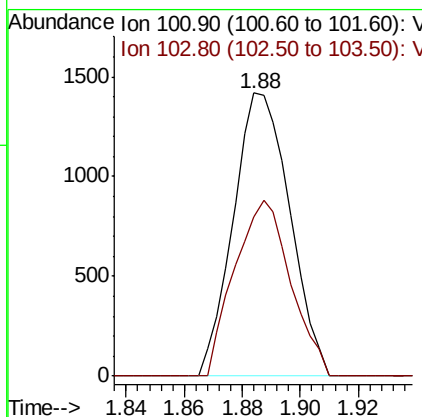
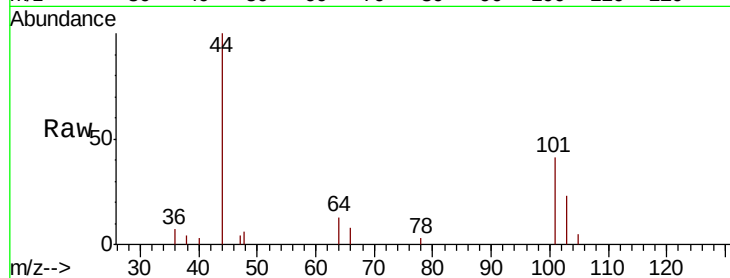
Trichlorofluoromethane
Concen: 1.215 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

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ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.3	52.2	78.2

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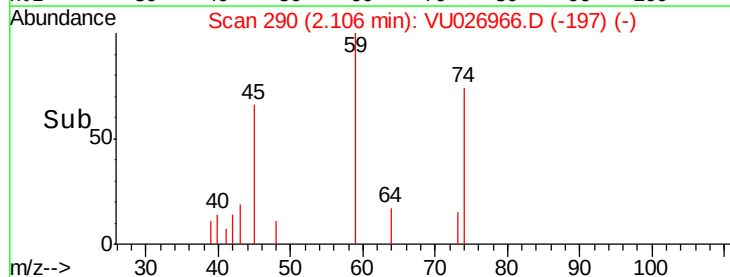
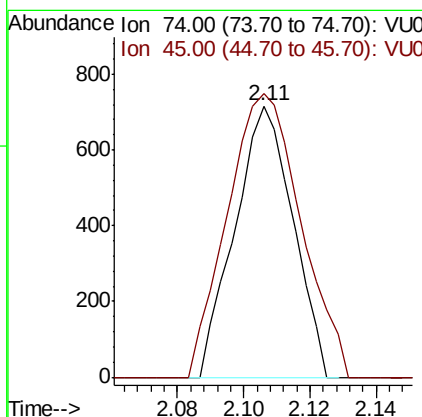
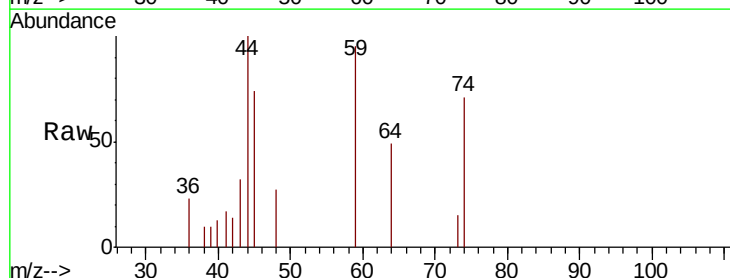
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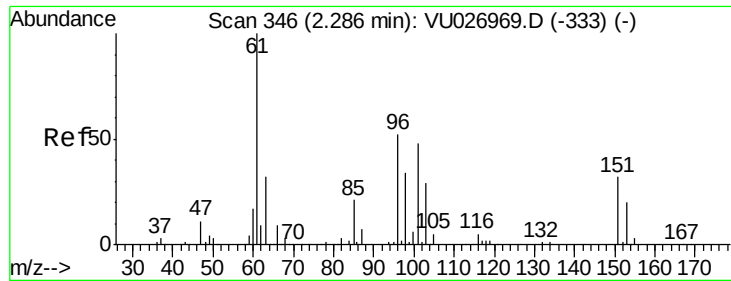


#8

Diethyl Ether
Concen: 1.230 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.8	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.301 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

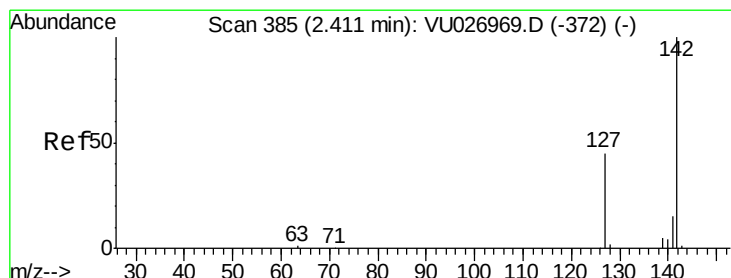
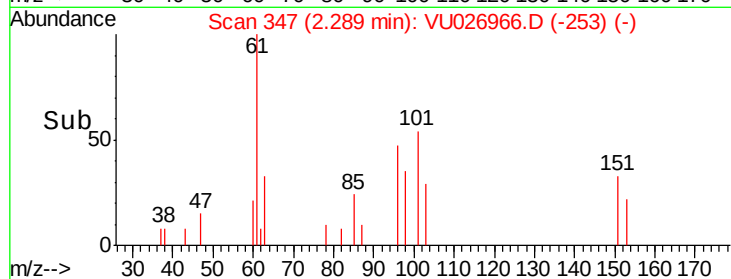
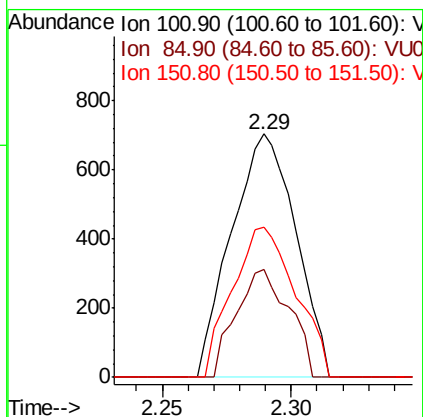
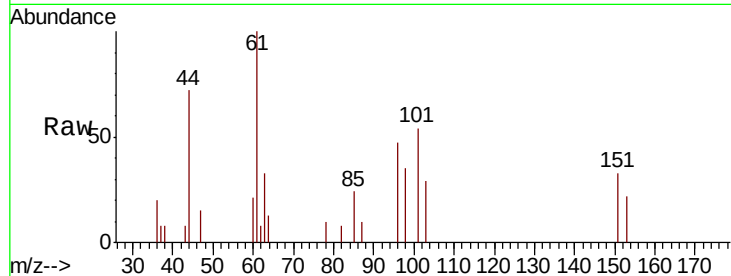
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	1224
Ion Ratio	Lower	Upper	
101	100		
85	36.4	36.2	54.2
151	60.7	54.5	81.7

Manual Integrations
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#10

Methyl Iodide

Concen: 1.692 ug/l

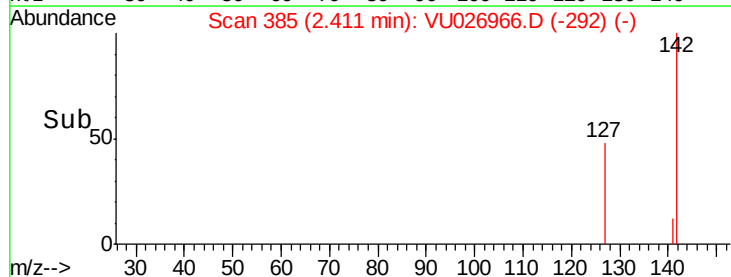
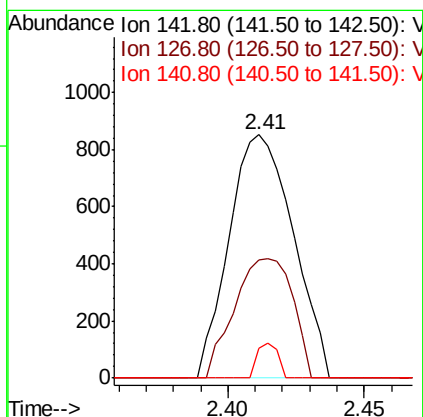
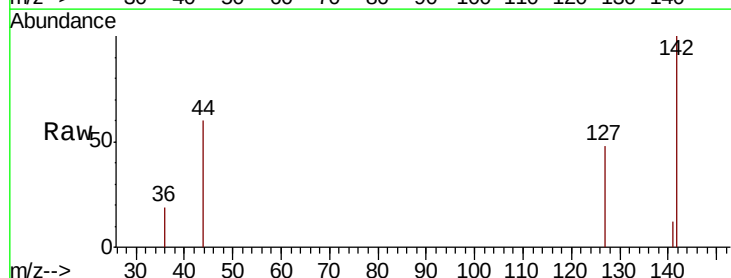
RT: 2.41 min Scan# 385

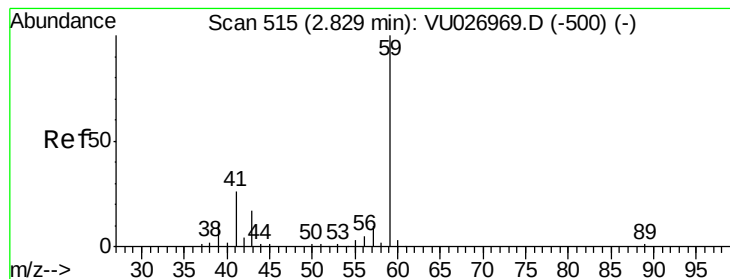
Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Tgt Ion:	142	Resp:	1390
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.7	55.1
141	4.5	11.8	17.6#





#11

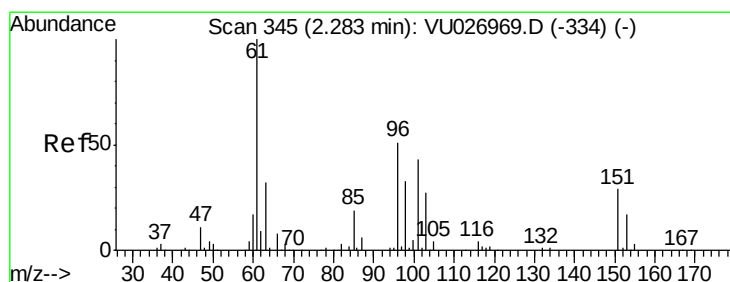
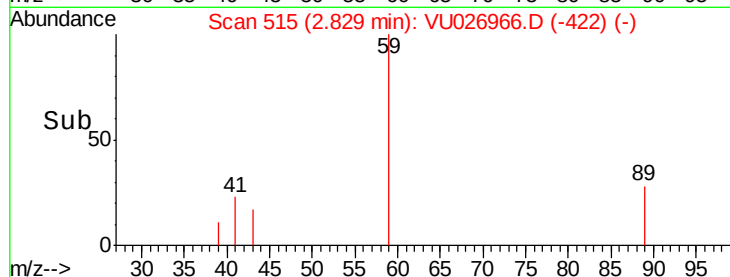
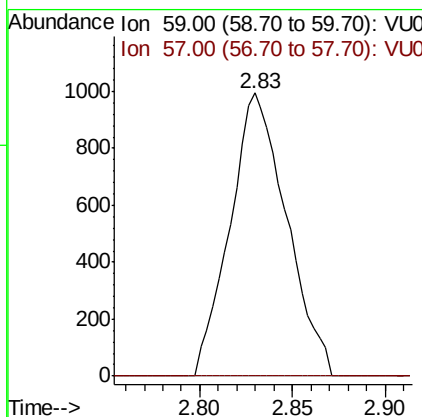
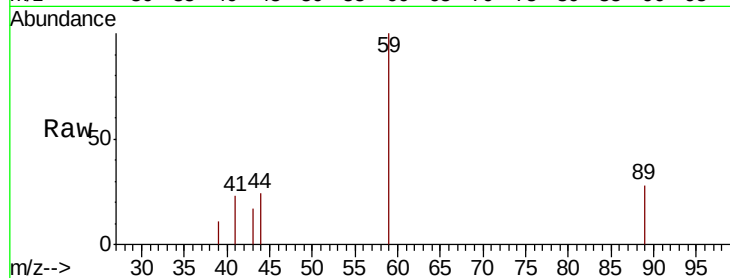
Tert butyl alcohol
Concen: 7.176 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#

Manual Integrations
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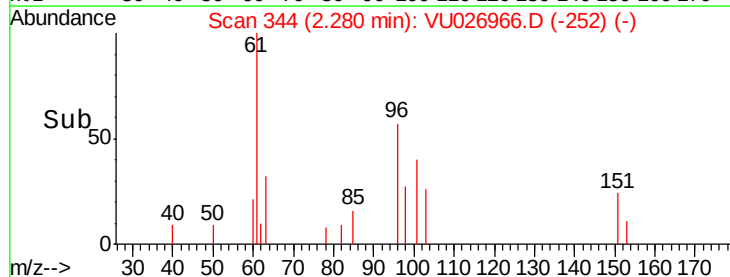
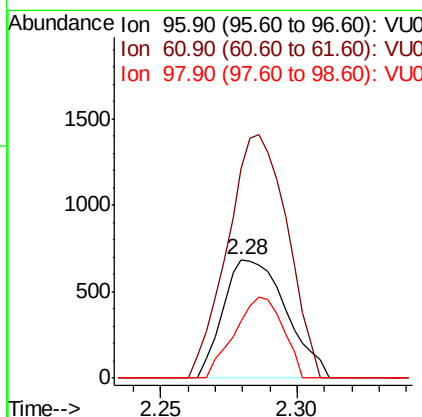
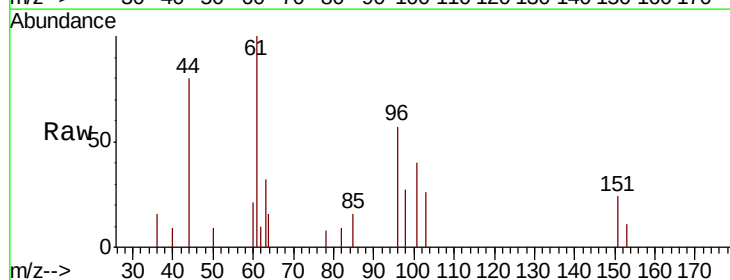
MMDadoda
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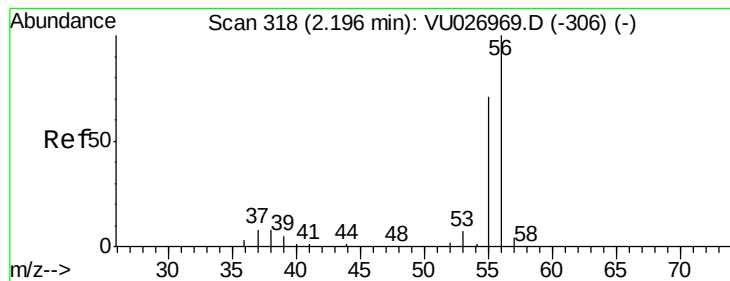


#12

1,1-Dichloroethene
Concen: 1.227 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.8	156.1	234.1
98	48.1	51.4	77.0#





#13

Acrolein

Concen: 3.987 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 56 Resp: 762

Ion Ratio Lower Upper

56 100

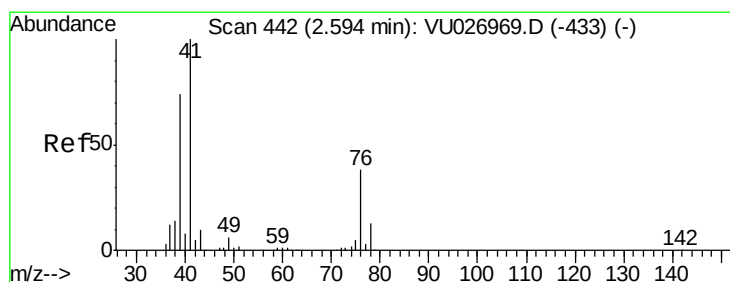
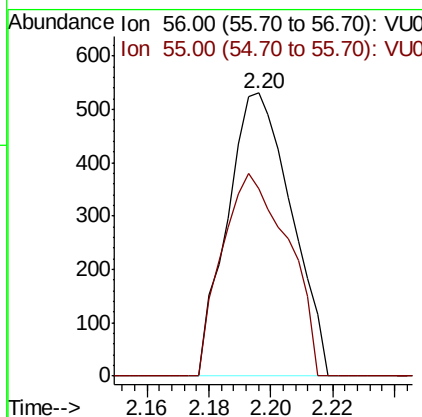
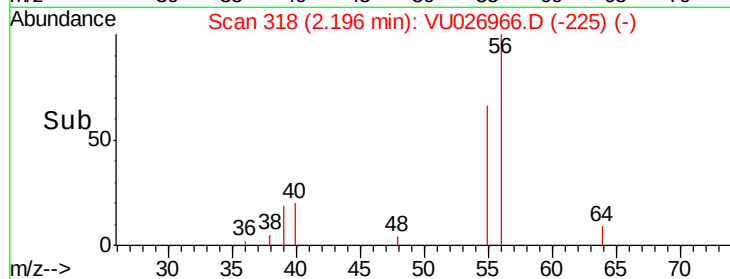
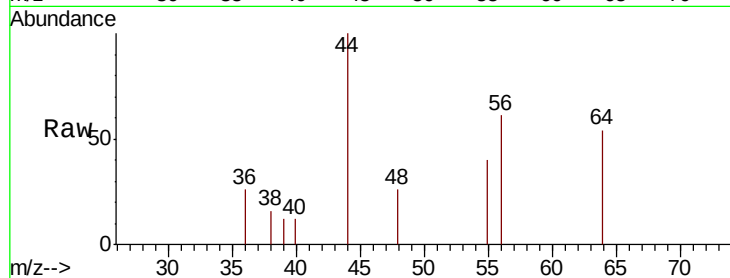
55 74.1 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 1.215 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

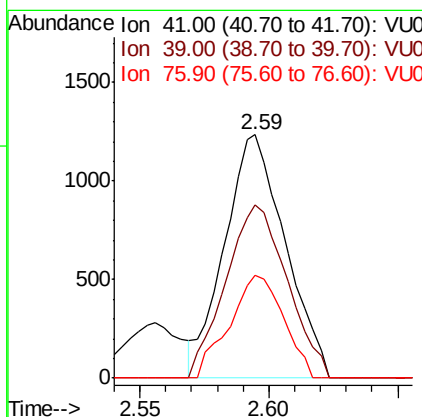
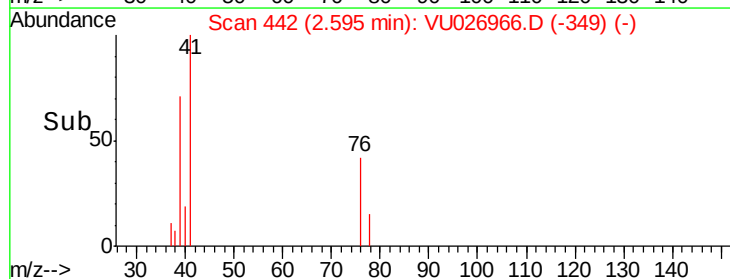
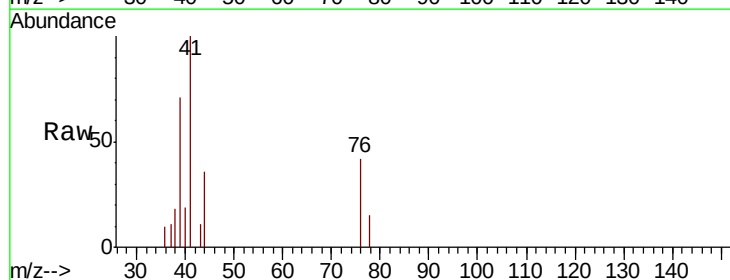
Tgt Ion: 41 Resp: 2020

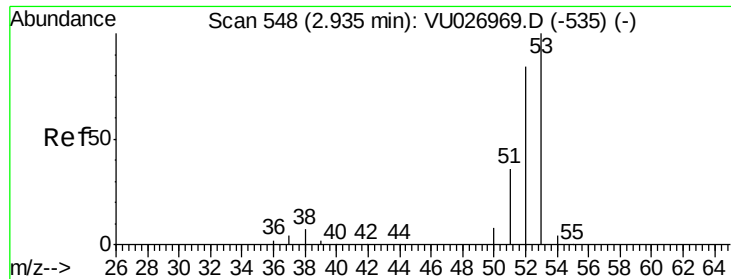
Ion Ratio Lower Upper

41 100

39 72.0 55.7 83.5

76 37.5 26.5 39.7





#15

Acrylonitrile

Concen: 6.613 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

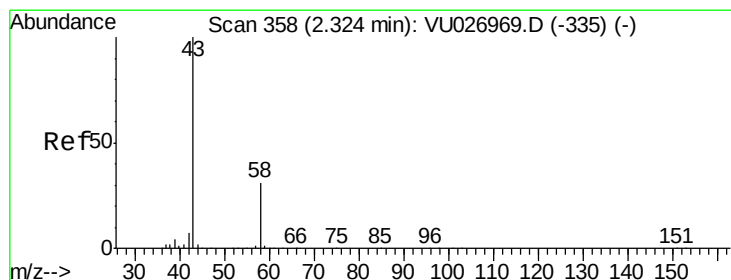
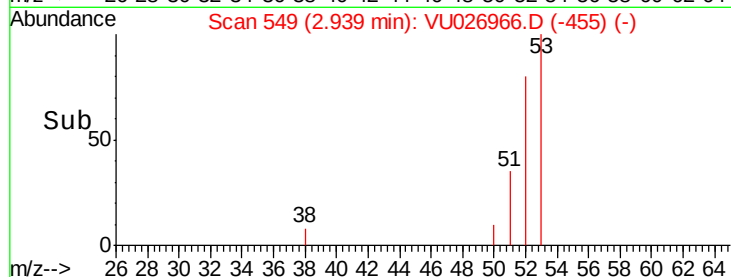
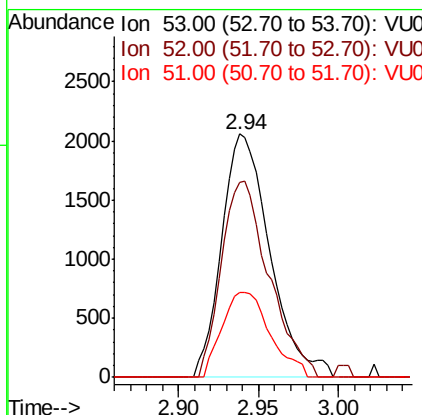
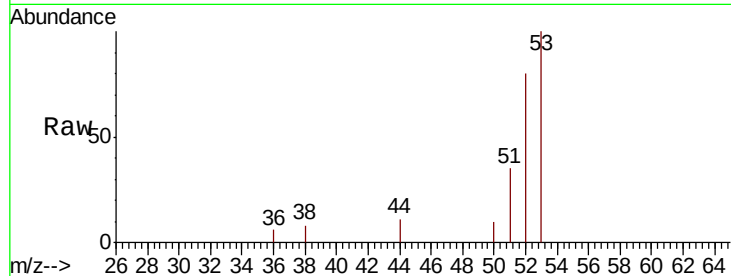
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	4253
Ion	Ratio	Lower	Upper
53	100		
52	79.3	65.7	98.5
51	34.8	27.4	41.2

Manual Integrations
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#16

Acetone

Concen: 10.836 ug/l

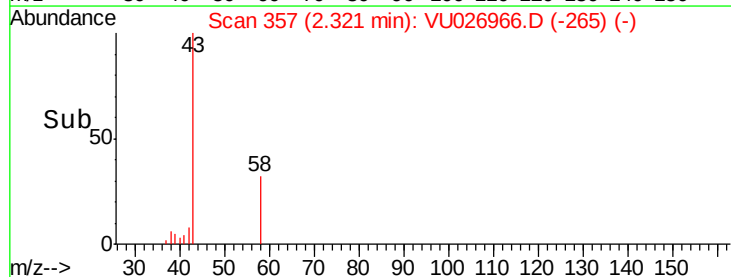
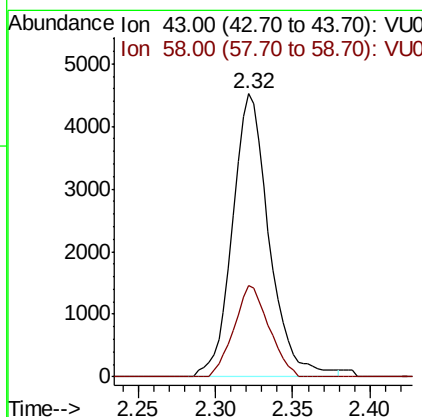
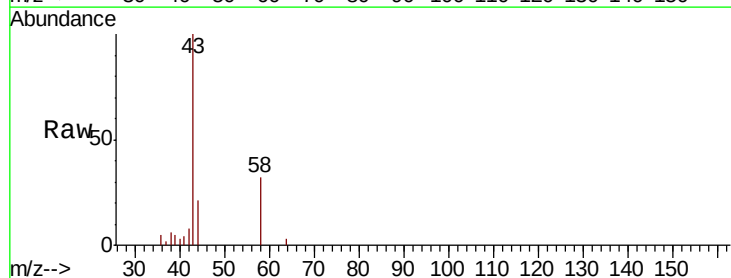
RT: 2.32 min Scan# 357

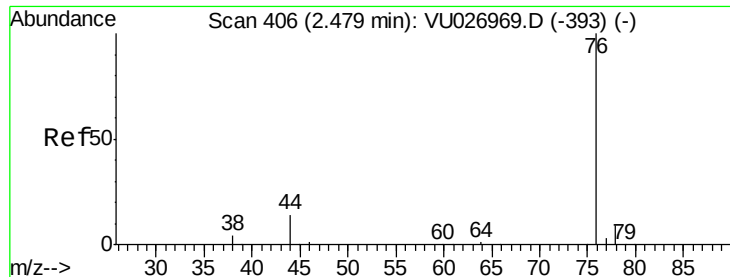
Delta R.T. -0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Tgt Ion:	43	Resp:	7431
Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.6	36.8





#17

Carbon Disulfide

Concen: 1.338 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 3822

Ion Ratio Lower Upper

76 100

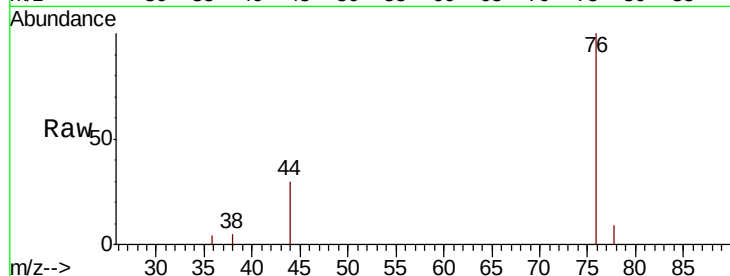
78 9.4 7.1 10.7

Manual Integrations

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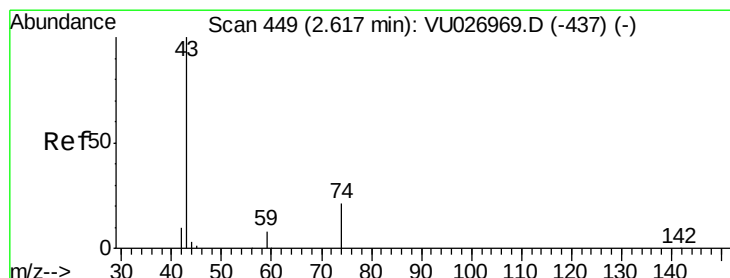
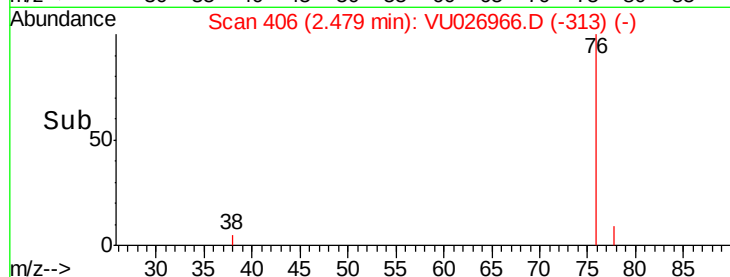
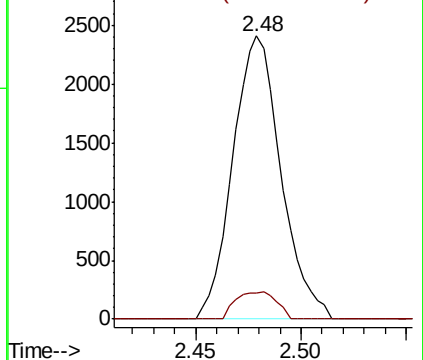
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 1.482 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU026966.D

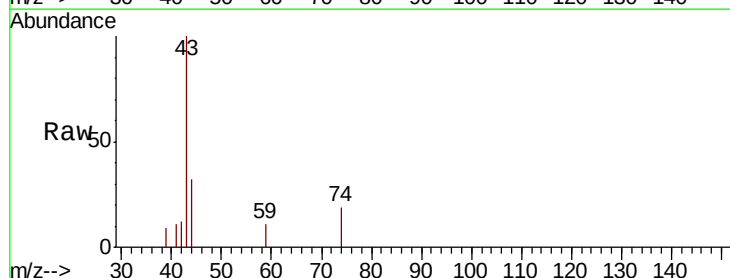
Acq: 21 Sep 2018 14:05

Tgt Ion: 43 Resp: 2256

Ion Ratio Lower Upper

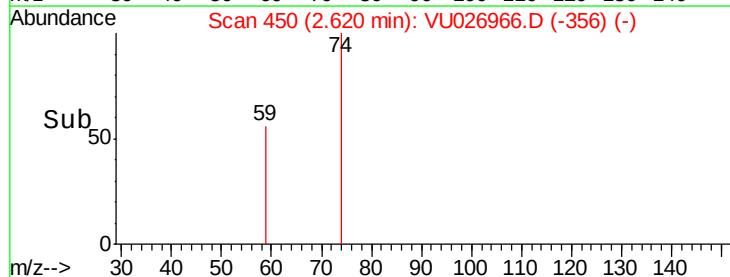
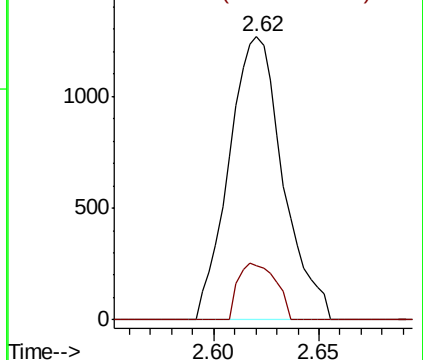
43 100

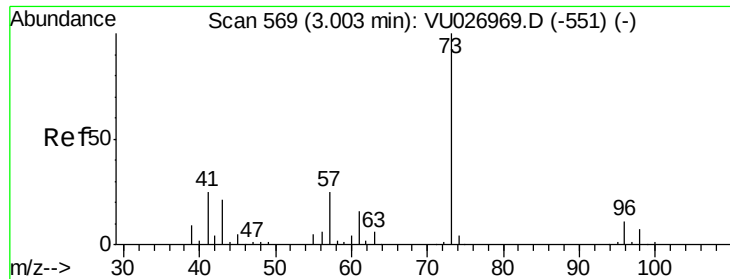
74 13.9 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#19

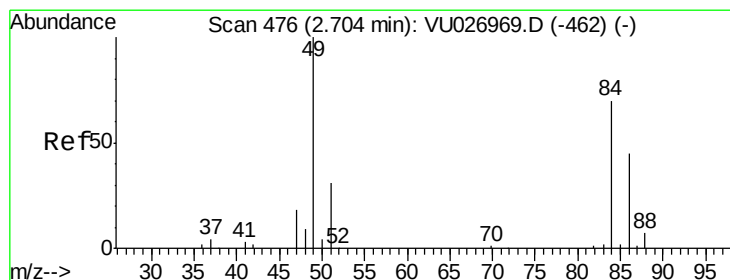
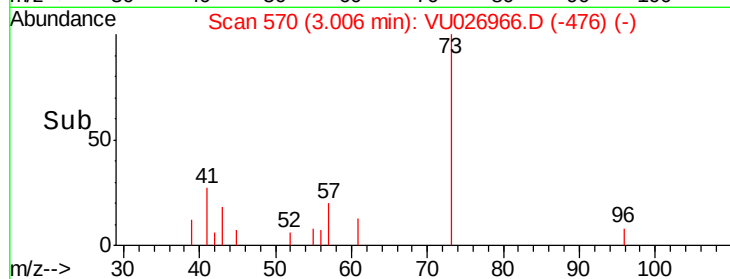
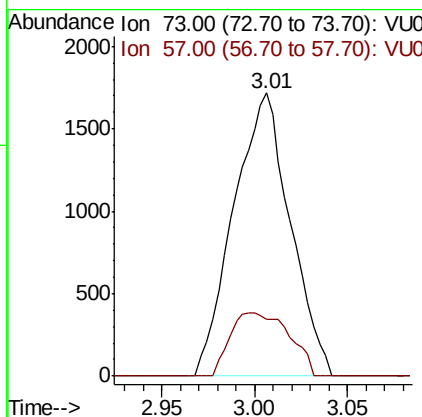
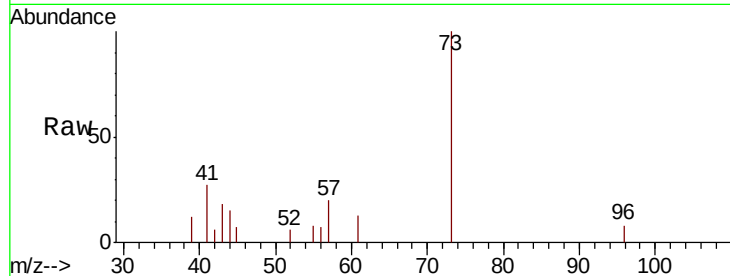
Methyl tert-butyl Ether
 Concen: 1.165 ug/l
 RT: 3.01 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	19.8	29.6

Manual Integrations
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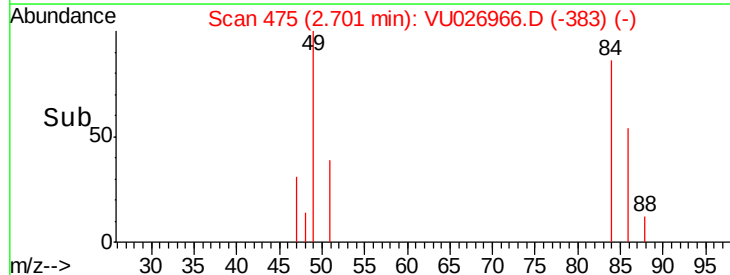
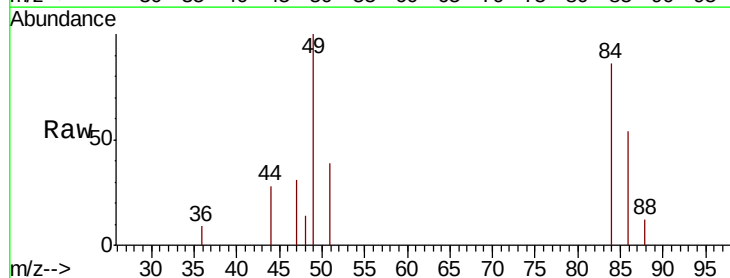
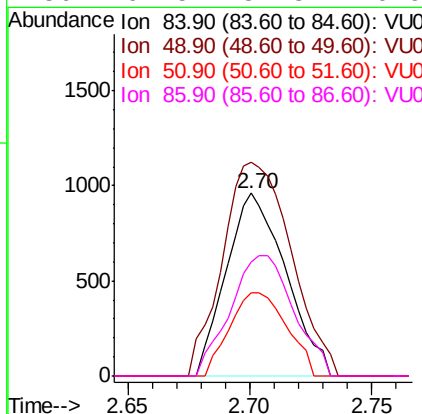
MMDadoda
 9/24/2018 2:14:01 PM

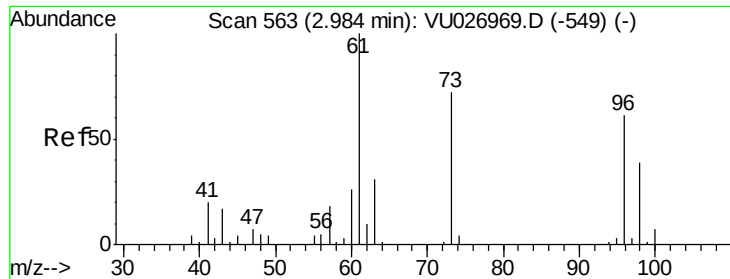


#20

Methylene Chloride
 Concen: 1.491 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.7	114.9	172.3
51	45.7	35.8	53.8
86	62.5	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 1.127 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

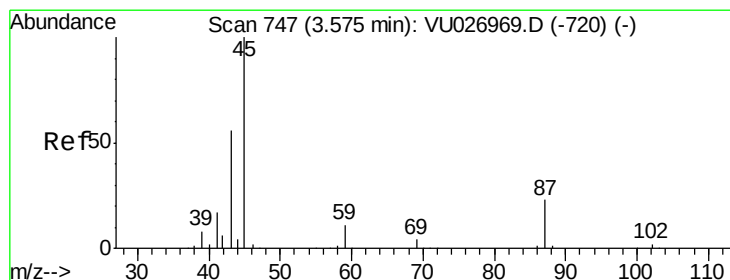
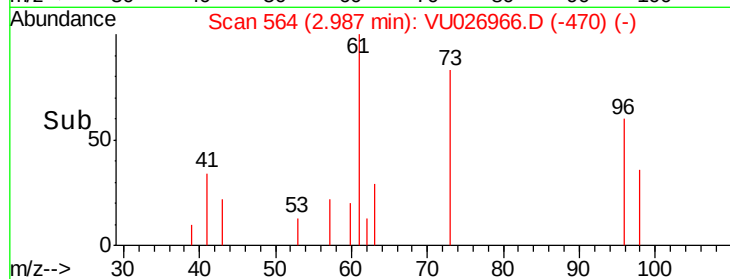
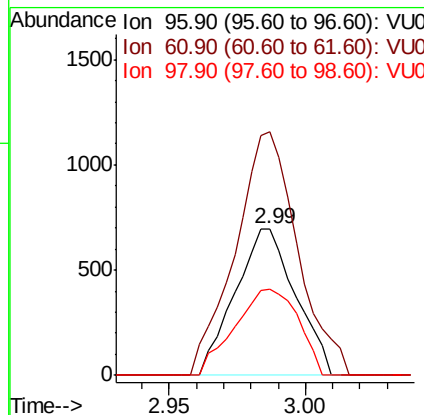
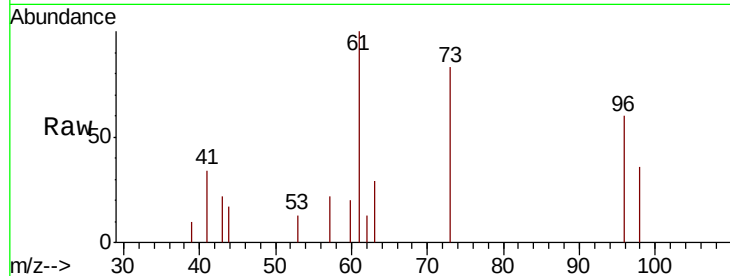
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	1067
Ion	Ratio	Lower	Upper
96	100		
61	165.8	131.8	197.6
98	58.9	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 1.091 ug/l

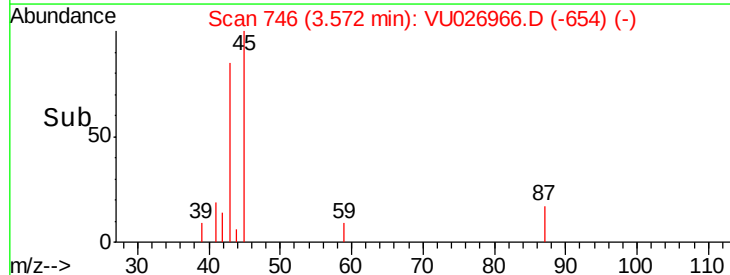
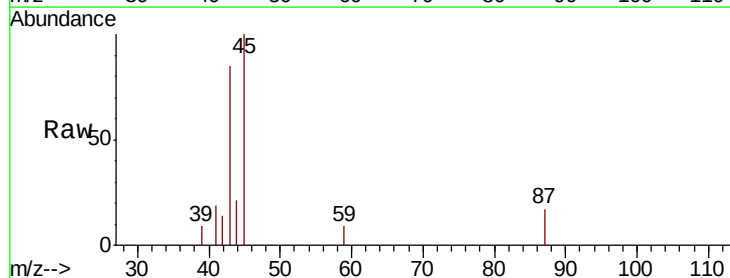
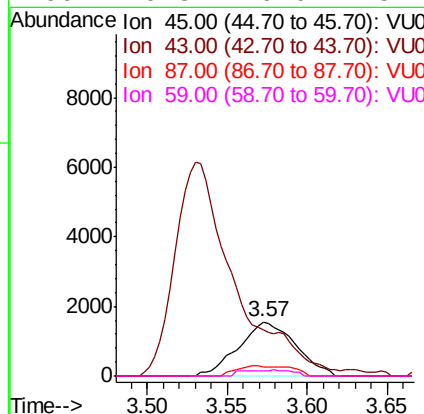
RT: 3.57 min Scan# 746

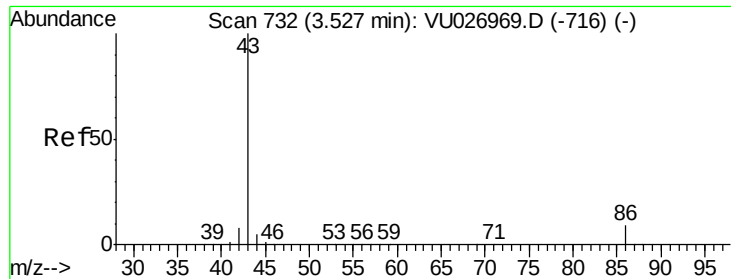
Delta R.T. -0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Tgt Ion:	45	Resp:	3800
Ion	Ratio	Lower	Upper
45	100		
43	74.6	45.8	68.6#
87	17.1	18.6	28.0#
59	9.3	9.0	13.4





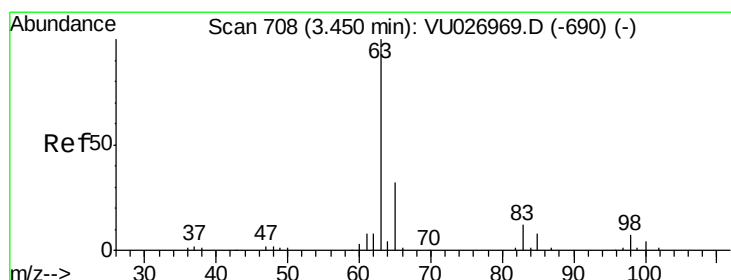
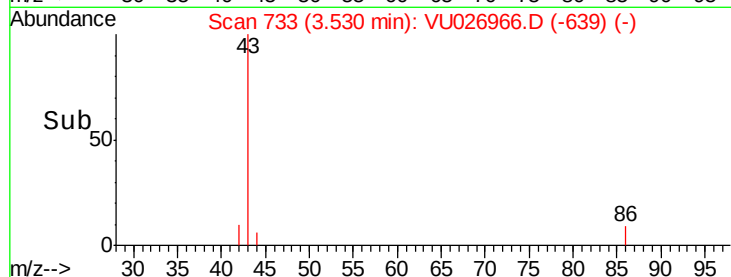
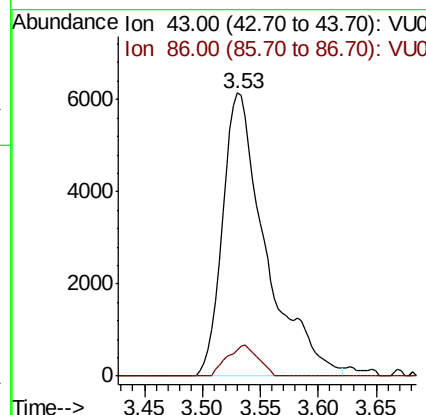
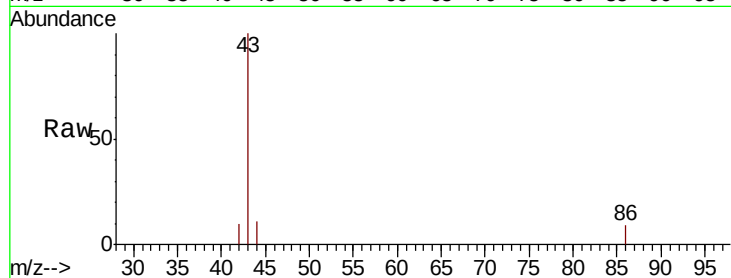
#23
 Vinyl Acetate
 Concen: 5.396 ug/l
 RT: 3.53 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	43	Resp	15950
Ion Ratio	Lower	Upper	
43	100		
86	9.3	7.2	10.8

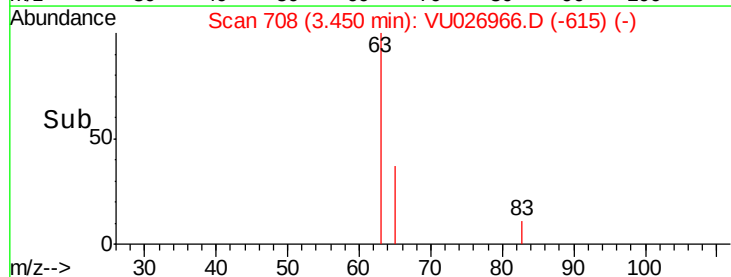
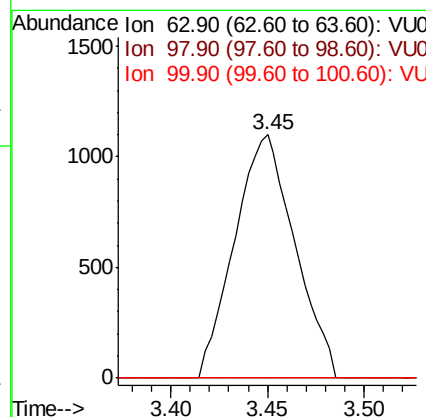
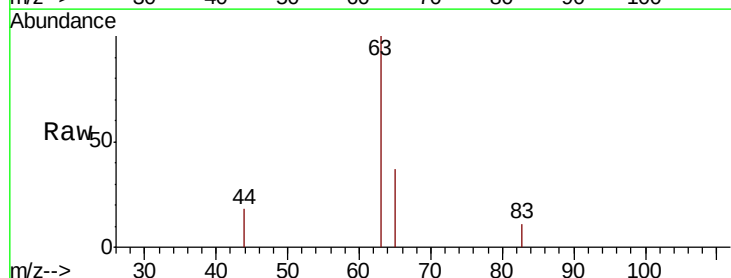
Manual Integrations
 APPROVED

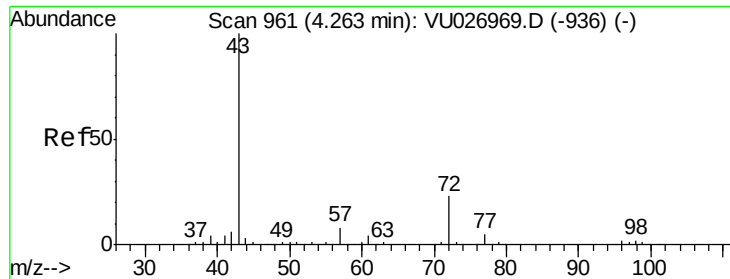
MMDadoda
 9/24/2018 2:14:01 PM



#24
 1,1-Dichloroethane
 Concen: 1.226 ug/l
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion	63	Resp	2378
Ion Ratio	Lower	Upper	
63	100		
98	0.0	3.3	9.8#
100	0.0	2.0	5.8#





#25

2-Butanone

Concen: 6.668 ug/l

RT: 4.28 min Scan# 965

Delta R.T. 0.01 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 6240

Ion Ratio Lower Upper

43 100

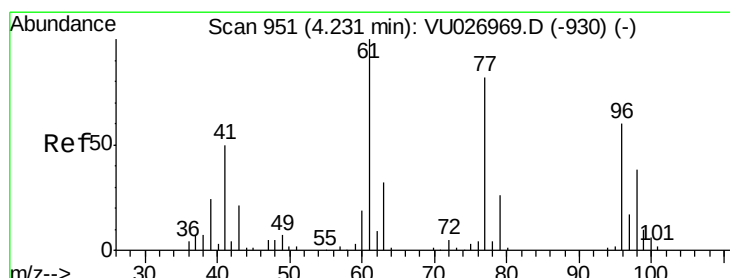
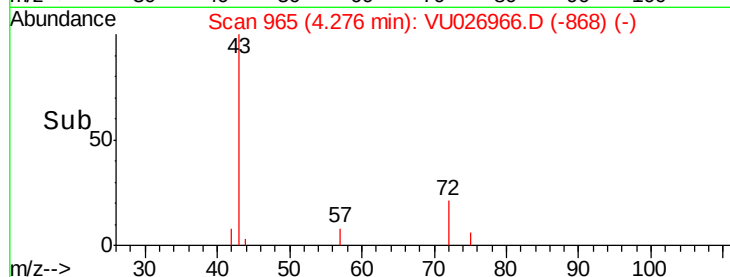
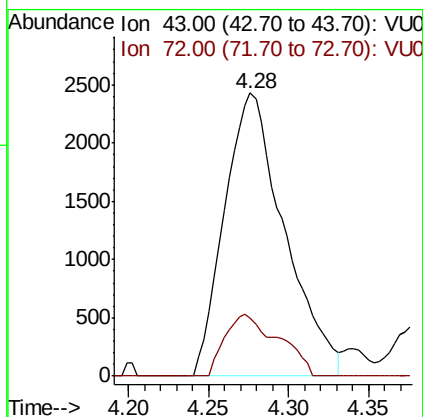
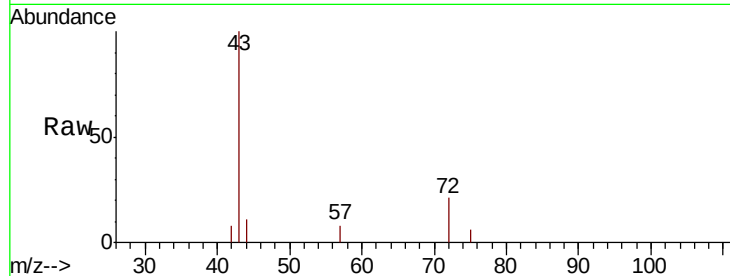
72 20.6 18.4 27.6

Manual Integrations

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MMDadoda

9/24/2018 2:14:01 PM



#26

2,2-Dichloropropane

Concen: 1.229 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU026966.D

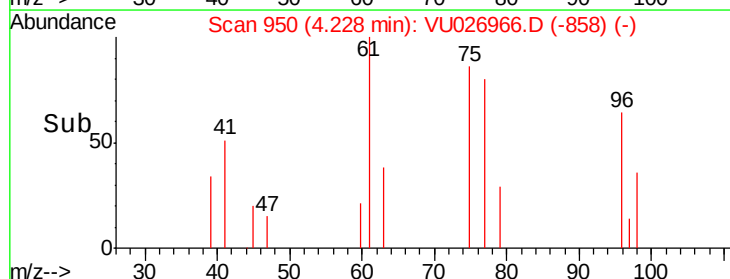
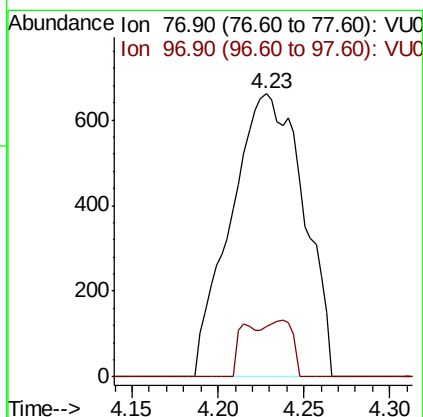
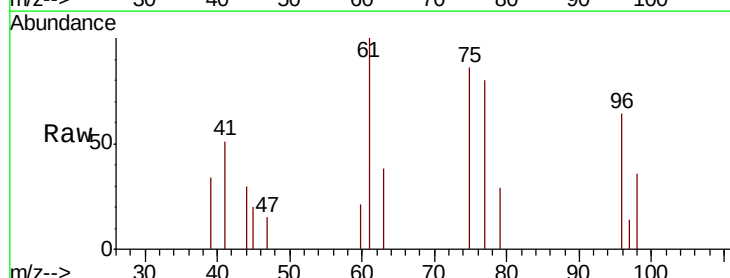
Acq: 21 Sep 2018 14:05

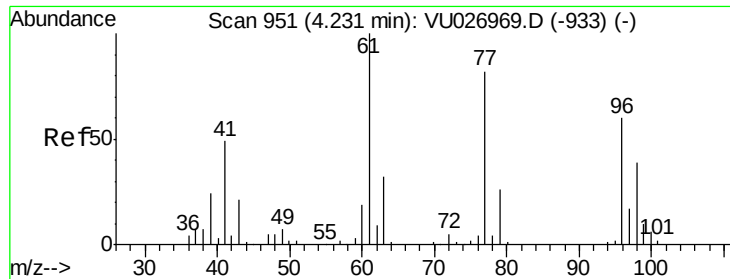
Tgt Ion: 77 Resp: 1936

Ion Ratio Lower Upper

77 100

97 4.6 10.5 31.5#





#27

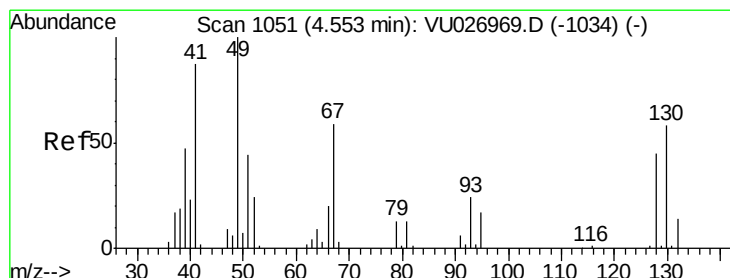
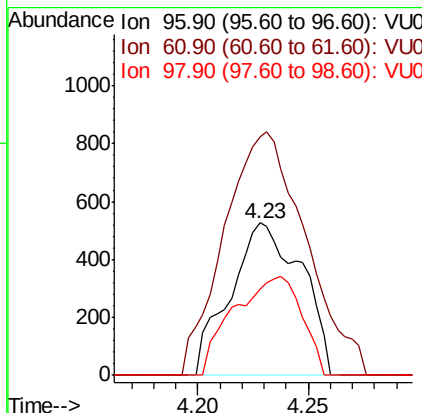
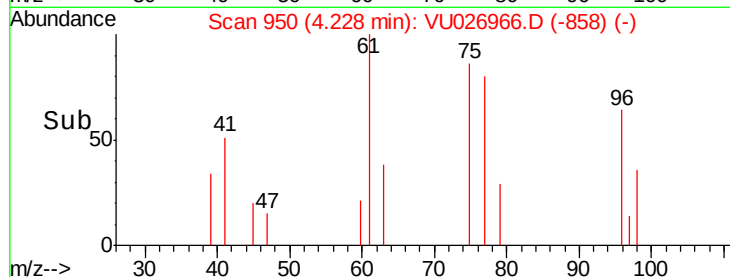
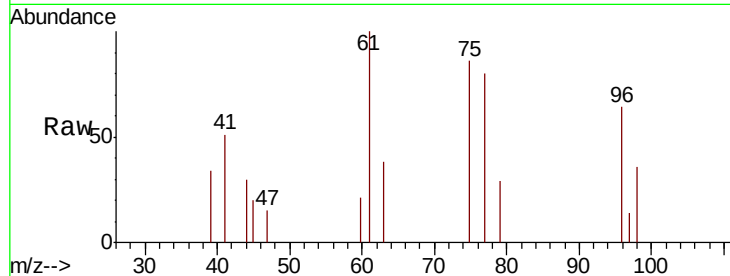
cis-1,2-Dichloroethene
Concen: 1.089 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	182.9	0.0	337.2
98	61.7	0.0	127.6

Manual Integrations
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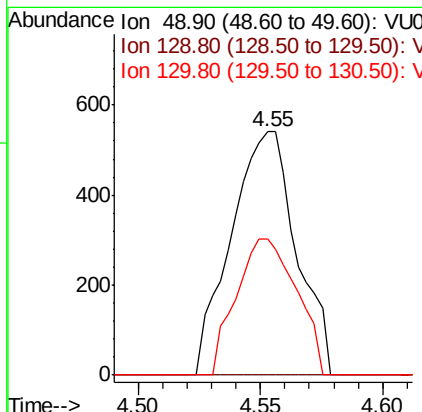
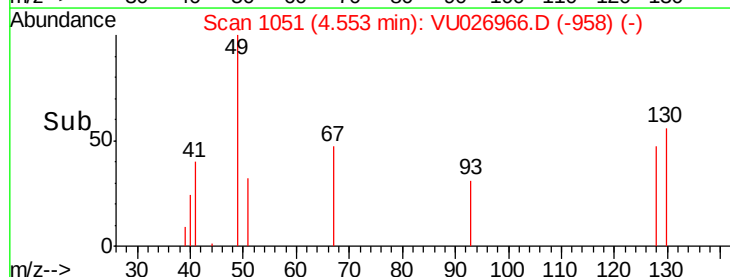
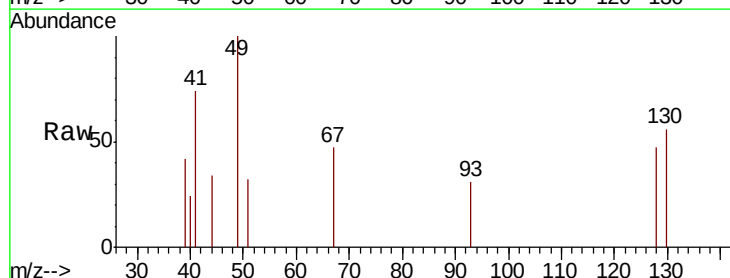
MMDadoda
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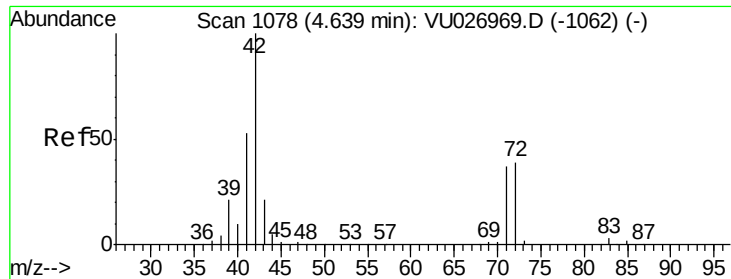


#28

Bromochloromethane
Concen: 1.077 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	51.6	47.8	71.8





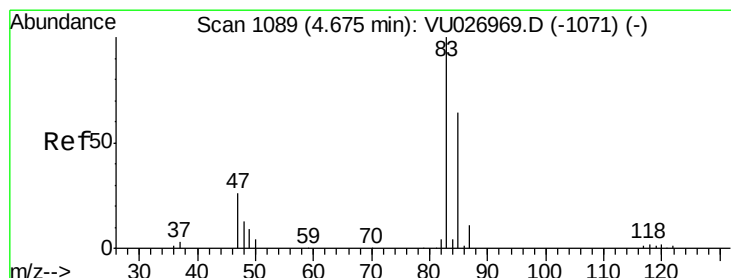
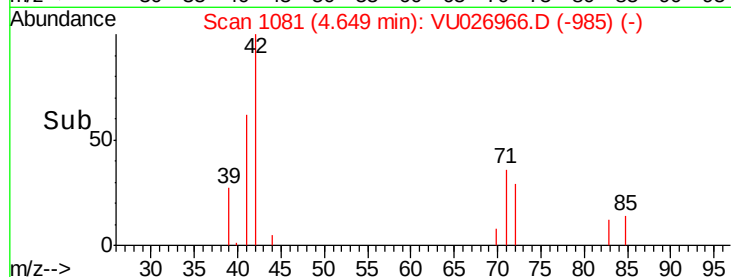
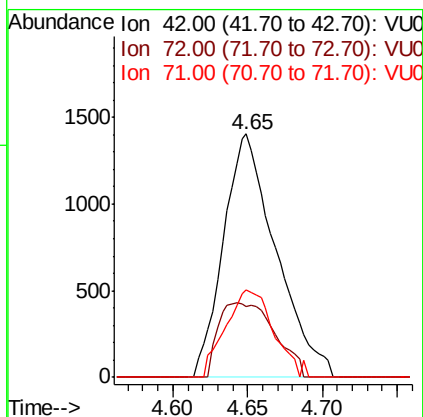
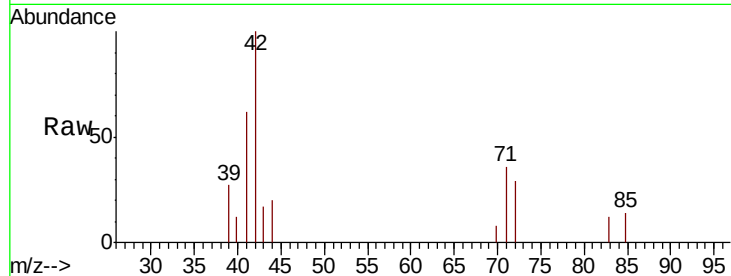
#29
Tetrahydrofuran
Concen: 6.035 ug/l
RT: 4.65 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.7	31.7	47.5
71	32.9	29.6	44.4

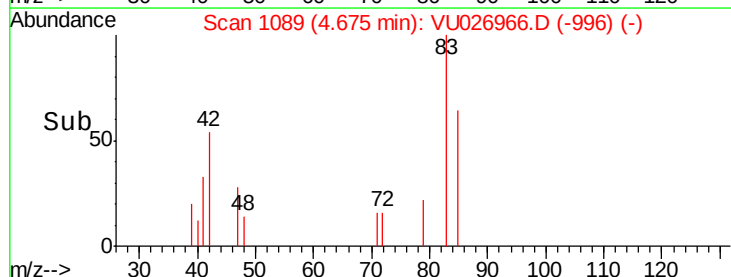
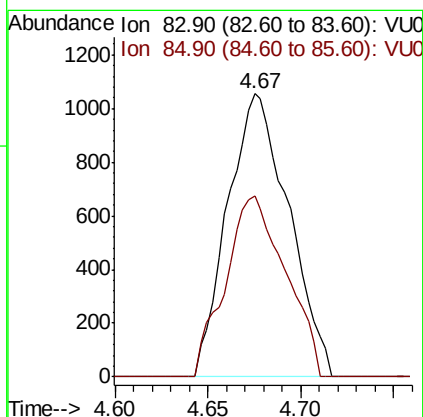
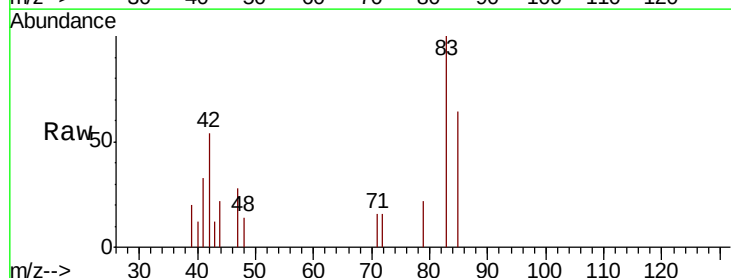
Manual Integrations
APPROVED

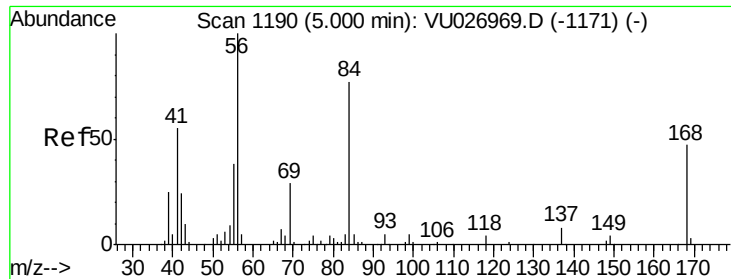
MMDadoda
9/24/2018 2:14:01 PM



#30
Chloroform
Concen: 1.280 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3





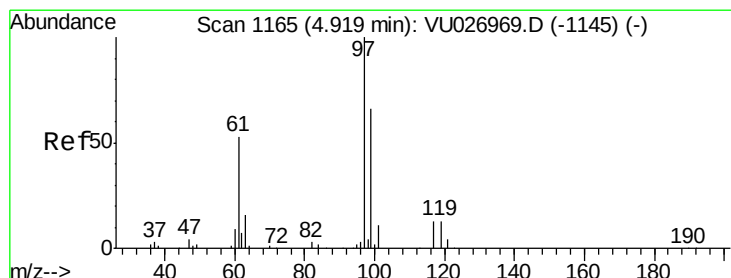
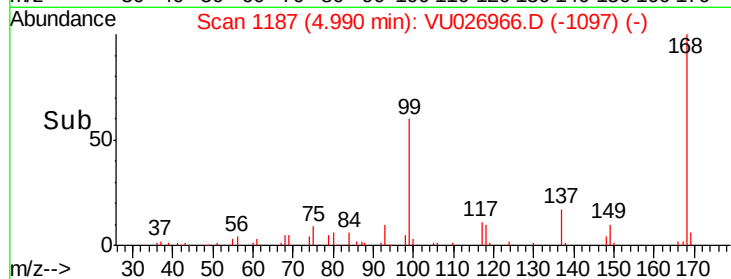
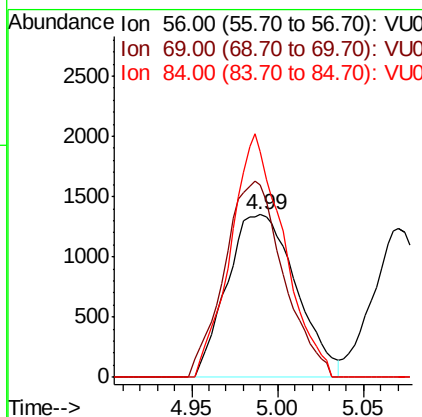
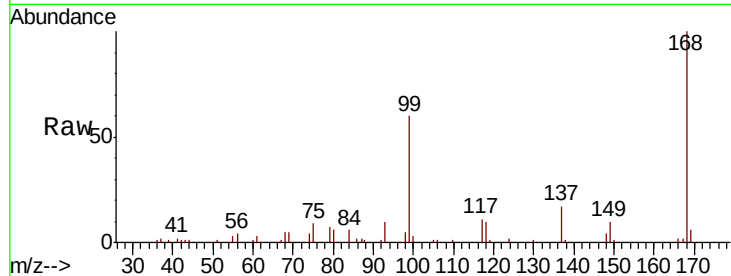
#31
Cyclohexane
Concen: 1.885 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
69	118.5	23.0	34.4#
84	138.9	61.4	92.2#

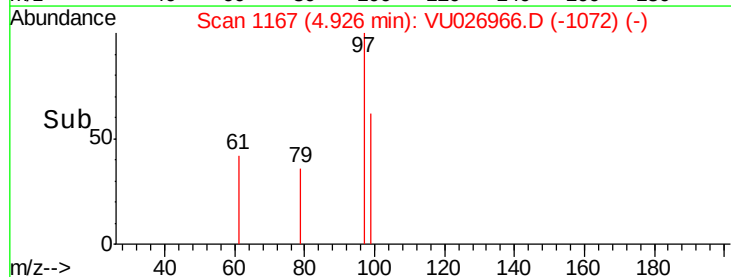
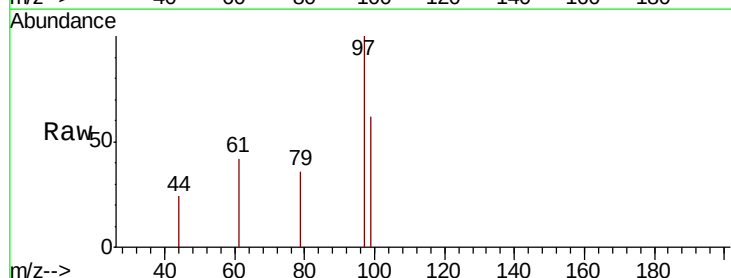
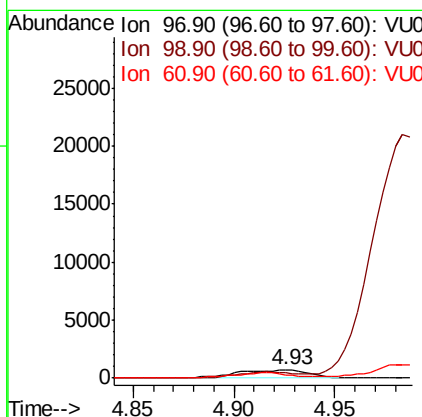
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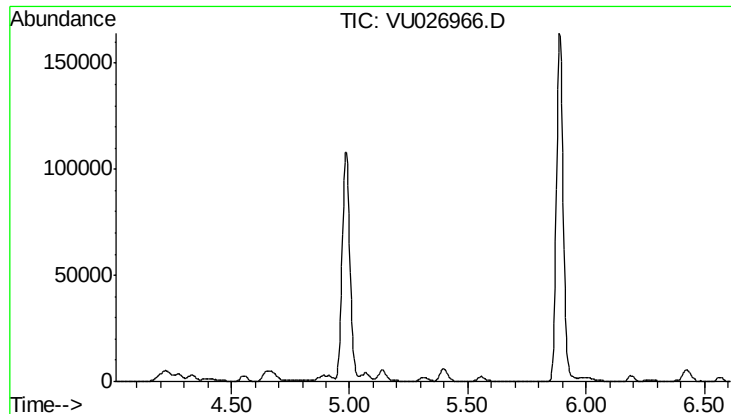
MMDadoda
9/24/2018 2:14:01 PM



#32
1,1,1-Trichloroethane
Concen: 1.079 ug/l
RT: 4.93 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.8	77.6#
61	58.8	41.1	61.7





#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 5.31 min

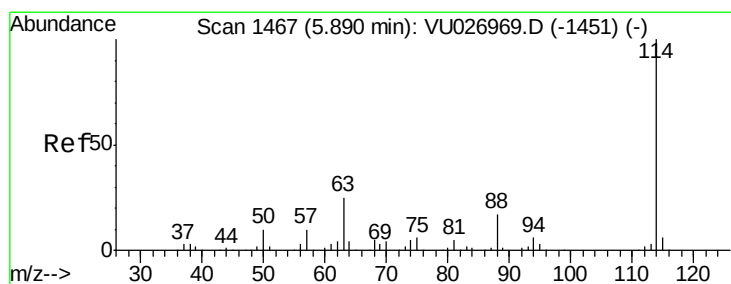
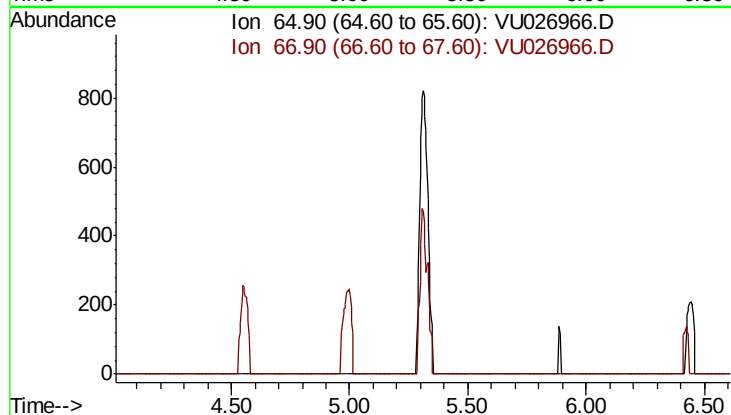
Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 65
 Sig Exp Ratio
 65 100
 67 52.8

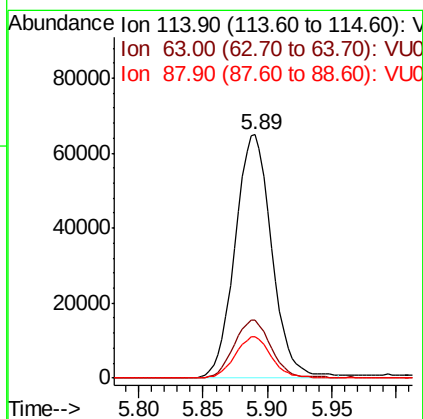
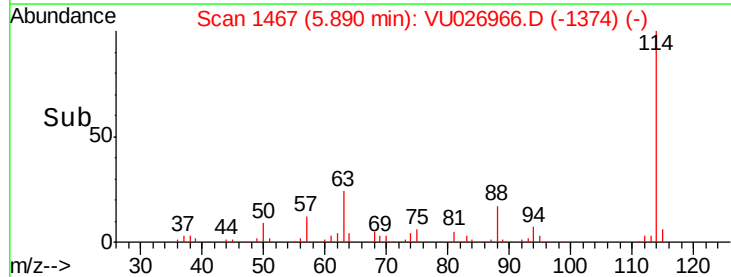
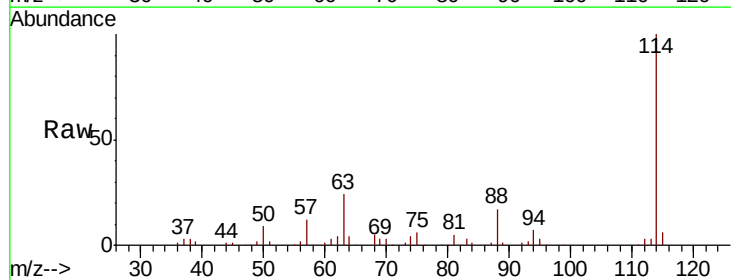
Manual Integrations
 APPROVED

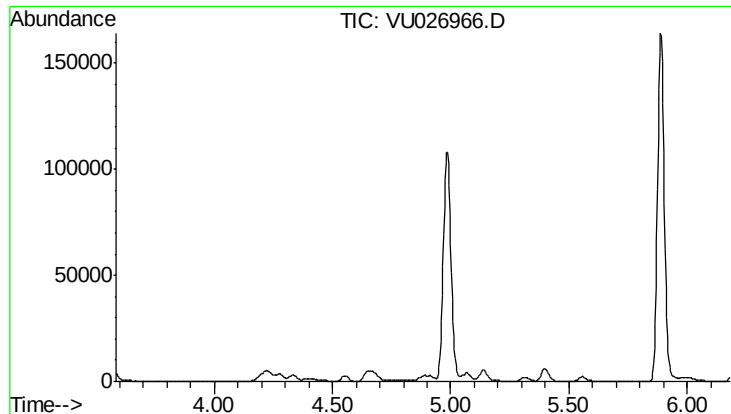
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion:114 Resp: 128666
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.2
 88 17.1 0.0 33.8





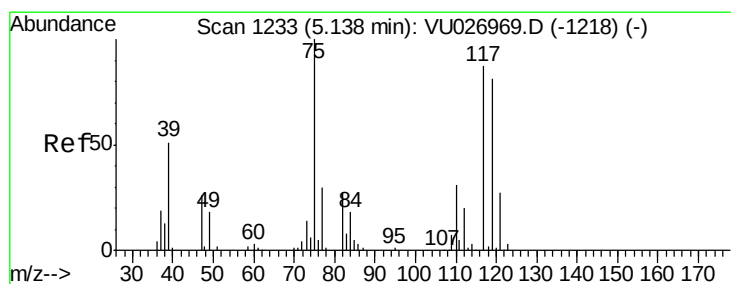
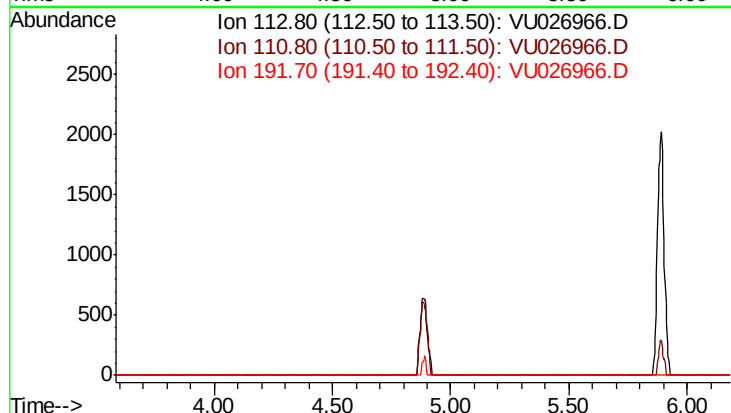
#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.88 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 113
 Sig Exp Ratio
 113 100
 111 102.8
 192 19.0

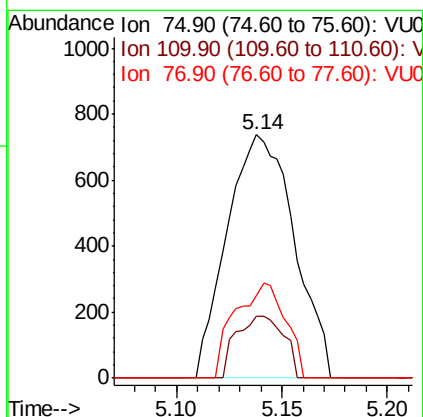
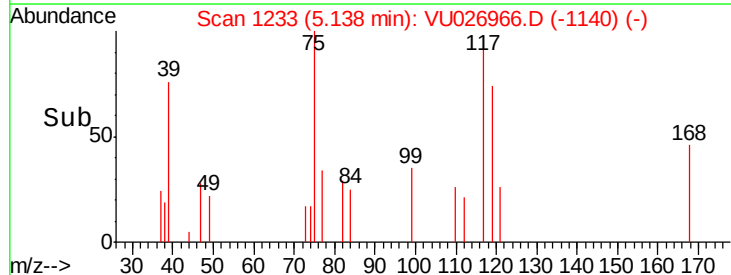
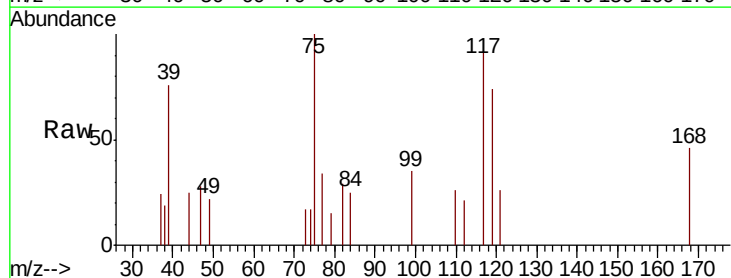
Manual Integrations
 APPROVED

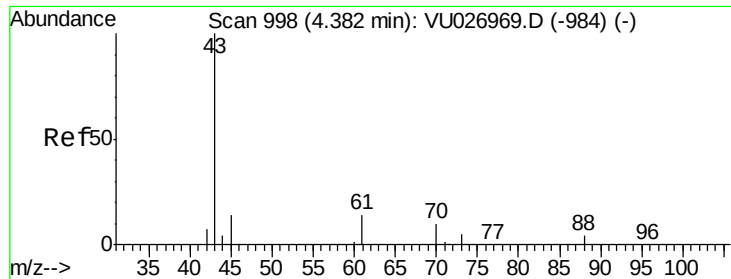
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 1.098 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion: 75 Resp: 1631
 Ion Ratio Lower Upper
 75 100
 110 17.9 16.1 48.2
 77 29.4 24.6 36.8





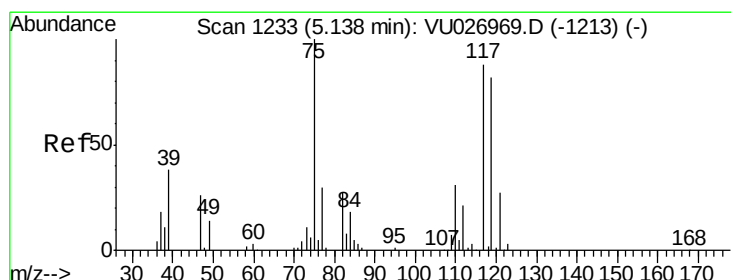
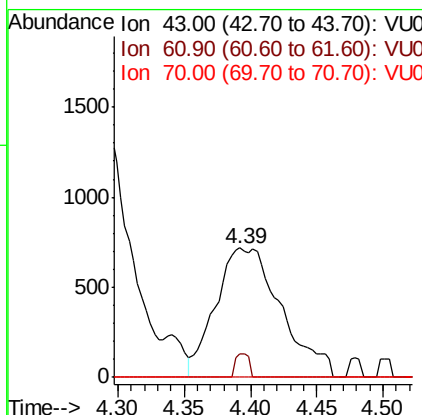
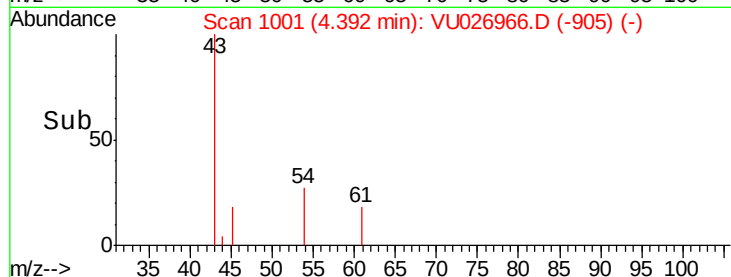
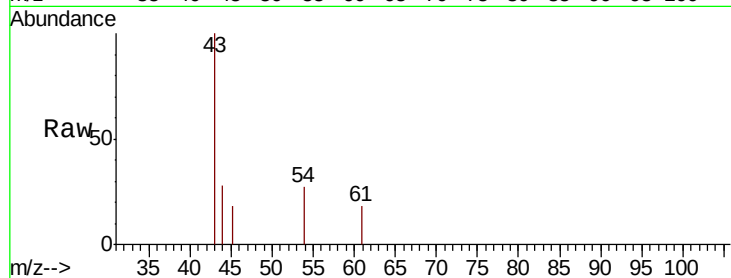
#37
Ethyl Acetate
Concen: 1.347 ug/l
RT: 4.39 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
61	3.8	10.5	15.7#
70	0.0	7.4	11.0#

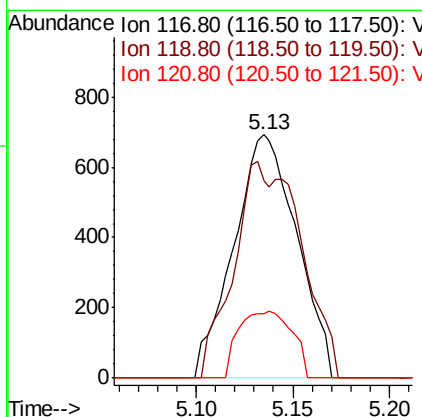
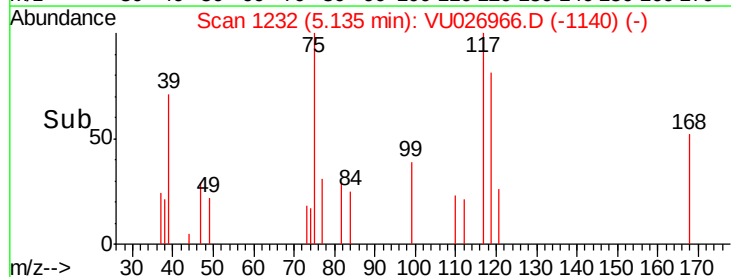
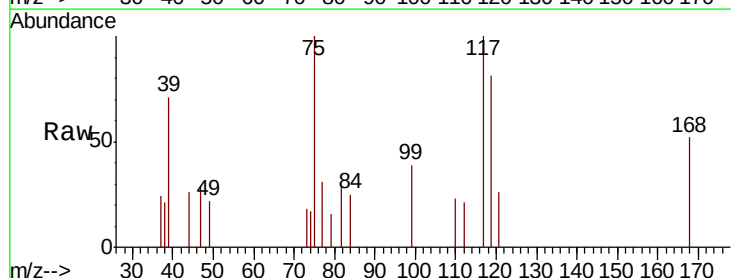
Manual Integrations
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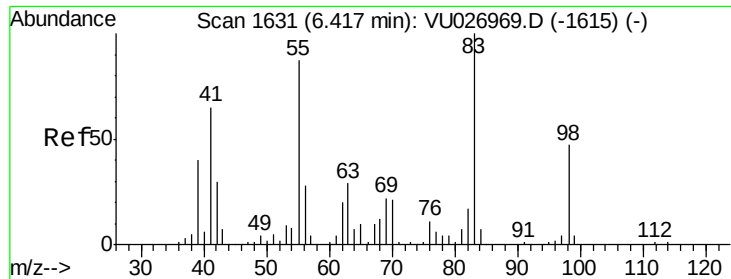
MMDadoda
9/24/2018 2:14:01 PM



#38
Carbon Tetrachloride
Concen: 1.015 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	81.0	74.4	111.6
121	26.4	24.2	36.4





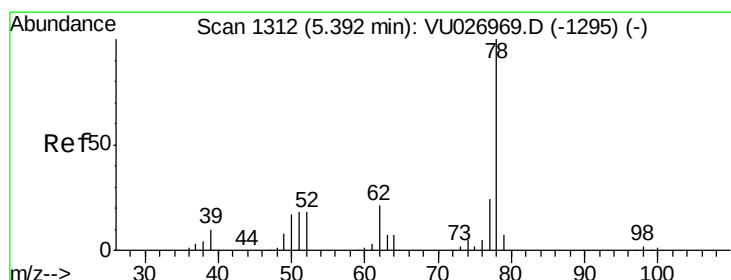
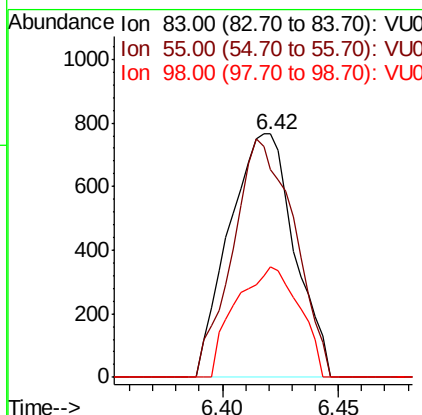
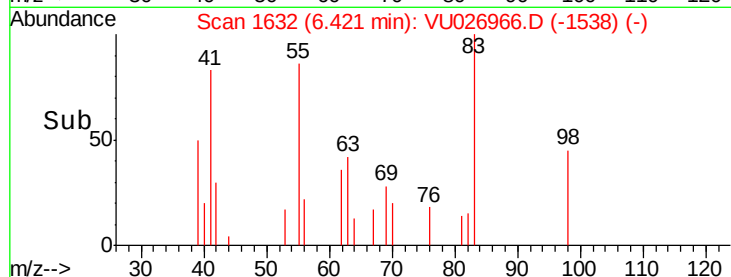
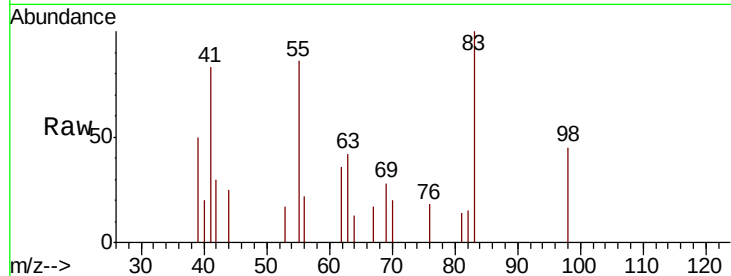
#39
Methylvlcyclohexane
Concen: 0.855 ug/l
RT: 6.42 min Scan# 1632
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	83.00	Resp:	1496
Ion	Ratio	Lower	Upper
83	100		
55	85.5	69.9	104.9
98	45.2	37.5	56.3

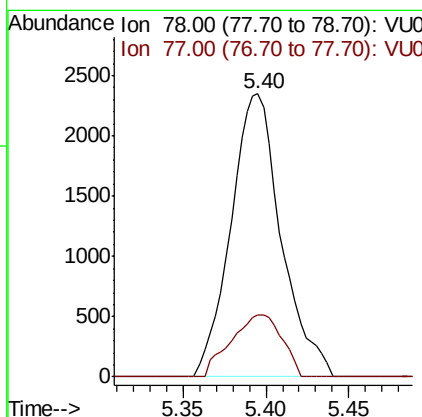
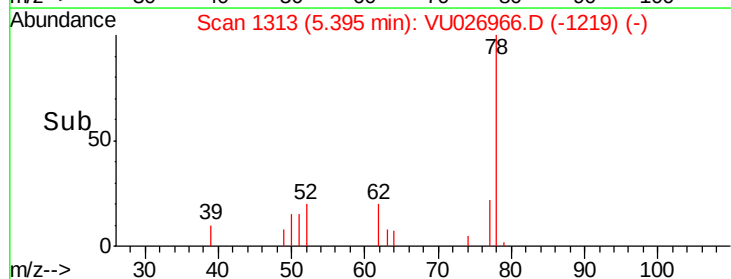
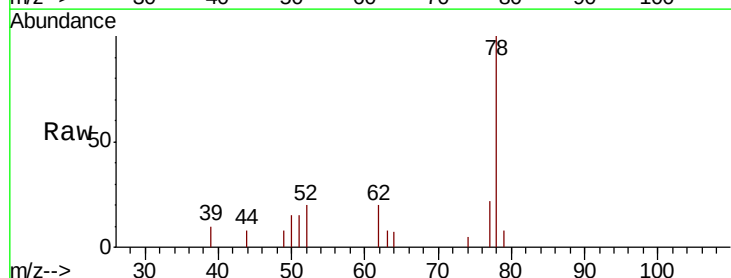
Manual Integrations
APPROVED

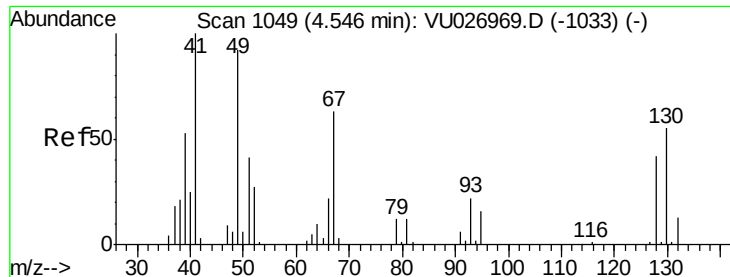
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#40
Benzene
Concen: 1.080 ug/l
RT: 5.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	78.00	Resp:	4961
Ion	Ratio	Lower	Upper
78	100		
77	21.8	19.4	29.0





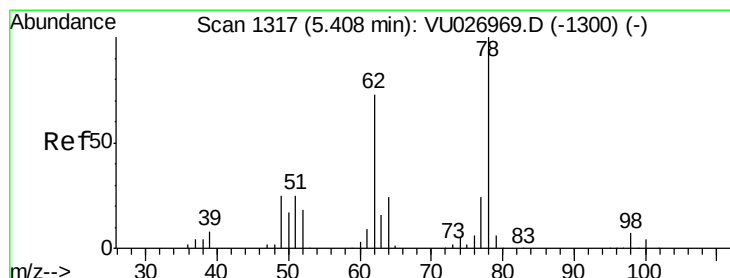
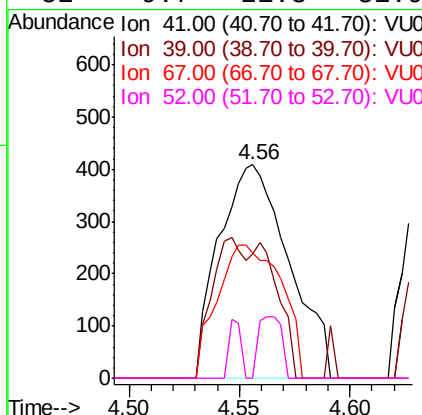
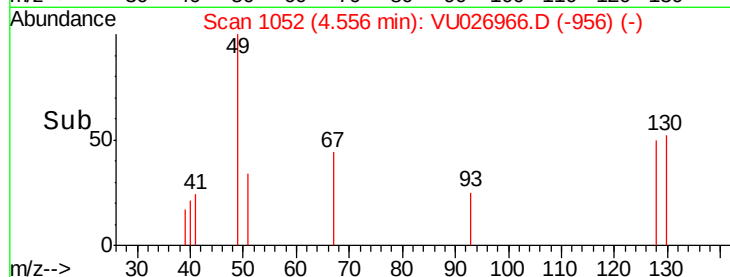
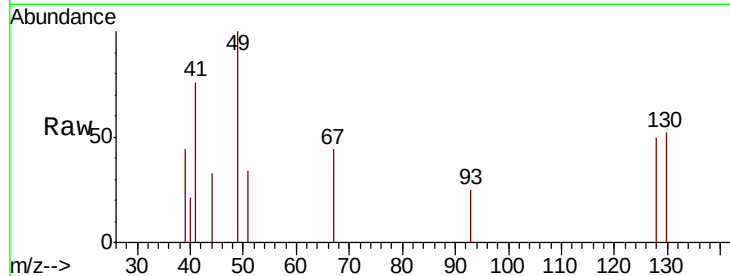
#41
Methacrylonitrile
Concen: 0.936 ug/l
RT: 4.56 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.9	64.3#
67	0.0	52.4	78.6#
52	9.7	21.3	31.9#

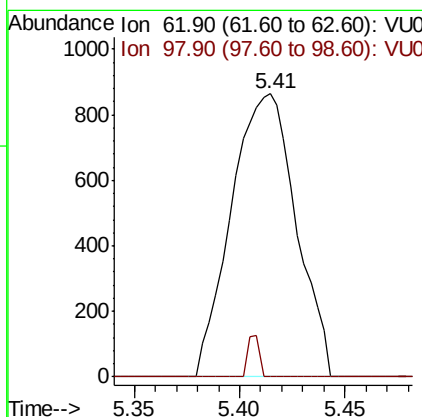
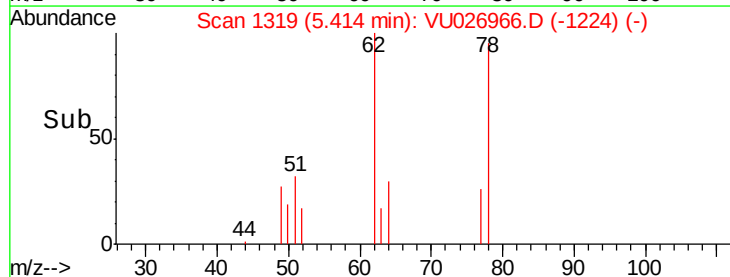
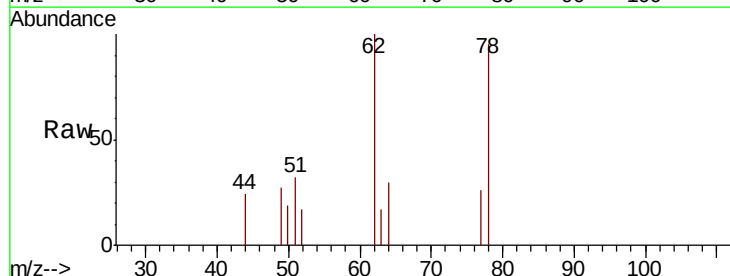
Manual Integrations
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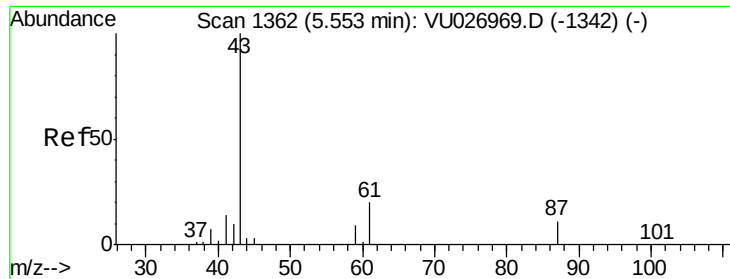
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#42
1,2-Dichloroethane
Concen: 1.107 ug/l
RT: 5.41 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	2.6	0.0	17.0





#43

Isopropyl Acetate

Concen: 1.003 ug/l

RT: 5.56 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

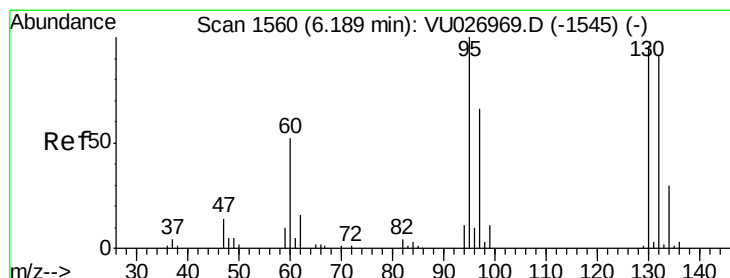
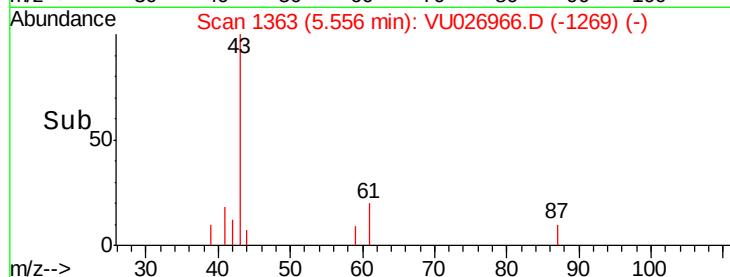
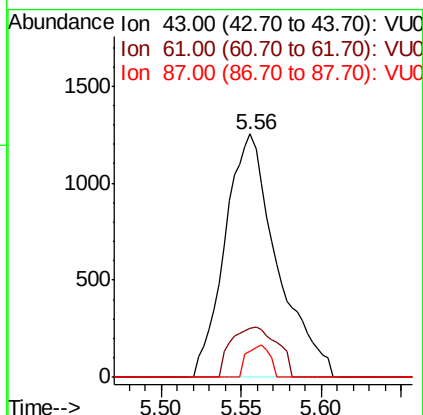
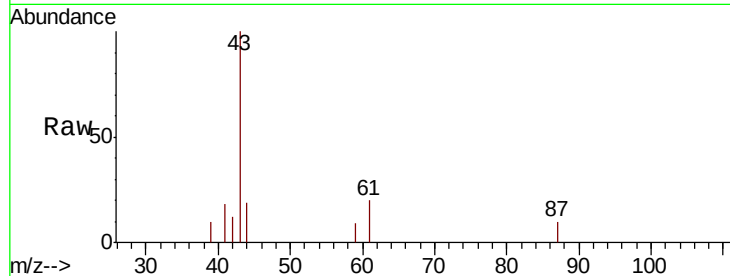
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	2781
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.7	23.5
87	5.6	9.0	13.4

Manual Integrations
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9/24/2018 2:14:01 PM



#44

Trichloroethene

Concen: 0.876 ug/l

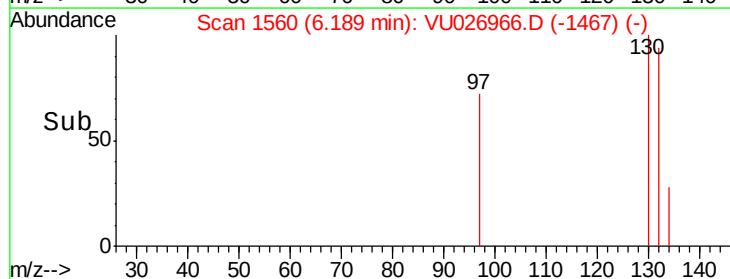
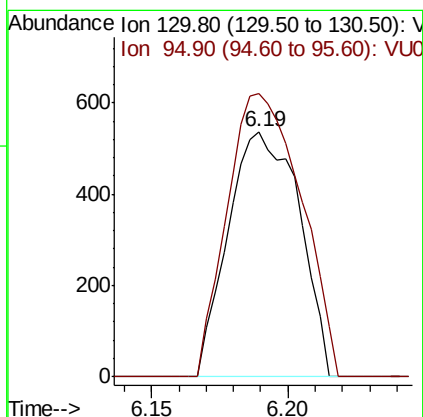
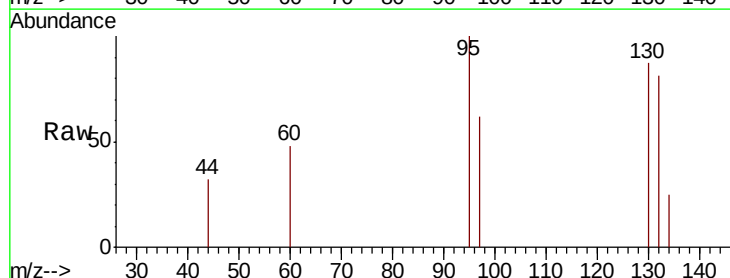
RT: 6.19 min Scan# 1560

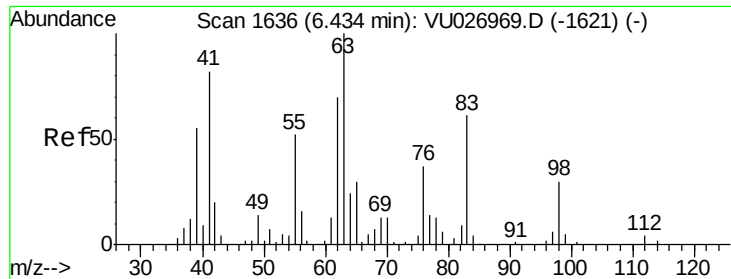
Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Tgt Ion:	130	Resp:	973
Ion	Ratio	Lower	Upper
130	100		
95	115.5	0.0	208.8





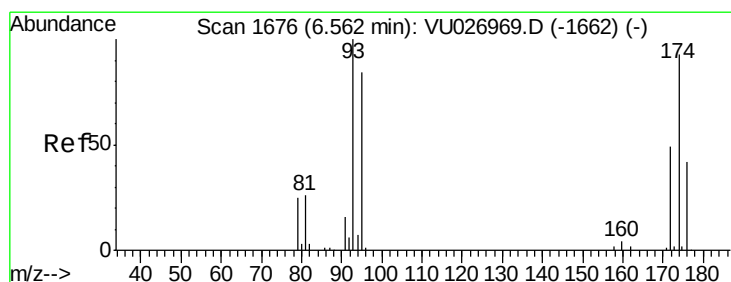
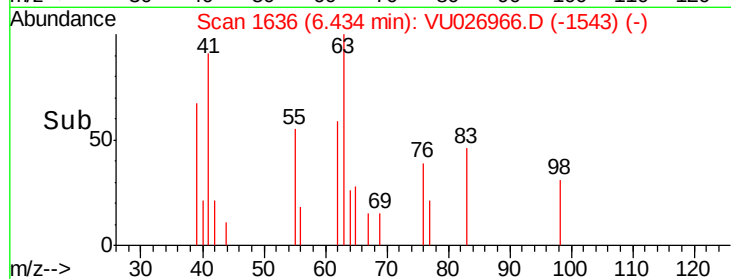
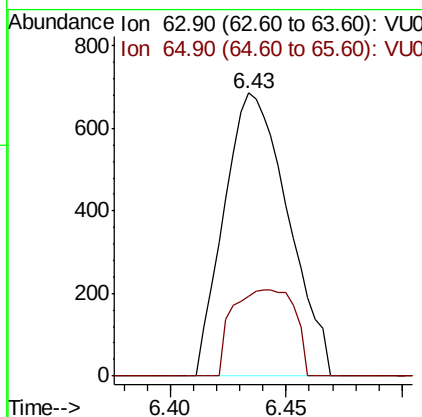
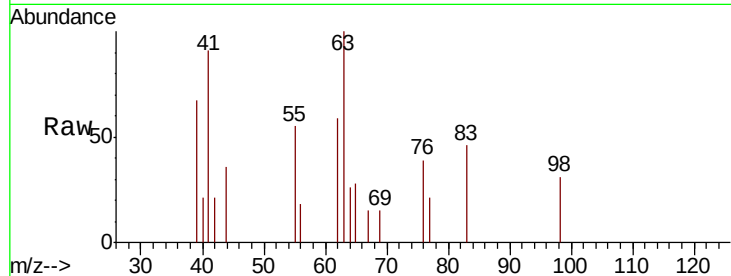
#45
 1,2-Dichloropropane
 Concen: 1.040 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.1	24.3	36.5

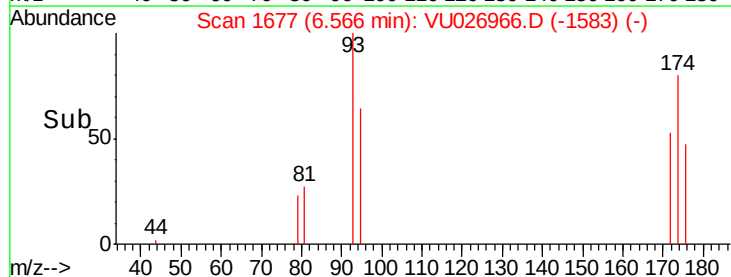
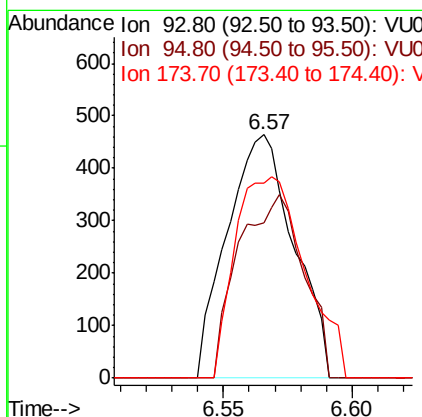
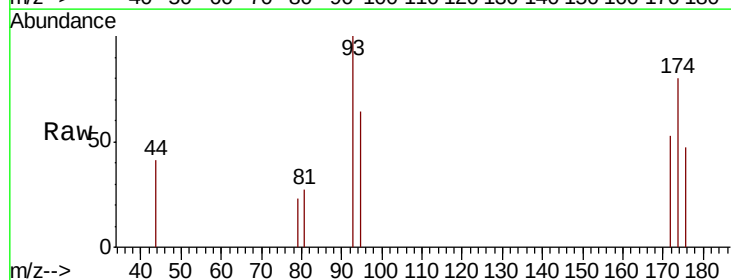
Manual Integrations
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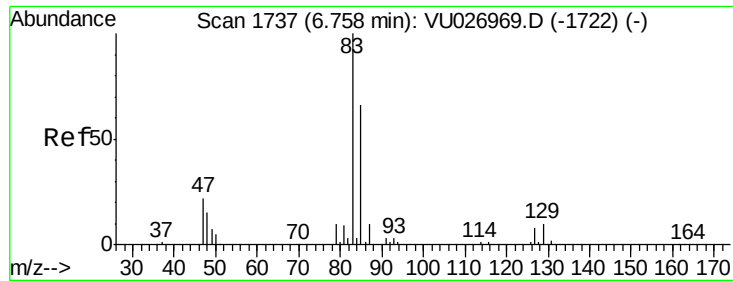
MMDadoda
 9/24/2018 2:14:01 PM



#46
 Dibromomethane
 Concen: 1.047 ug/l
 RT: 6.57 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	73.4	66.2	99.4
174	86.5	71.7	107.5





#47

Bromodichloromethane

Concen: 1.134 ug/l

RT: 6.76 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

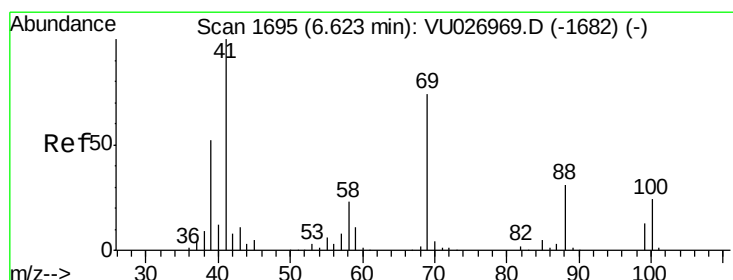
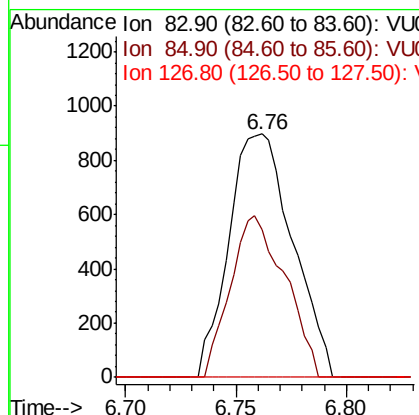
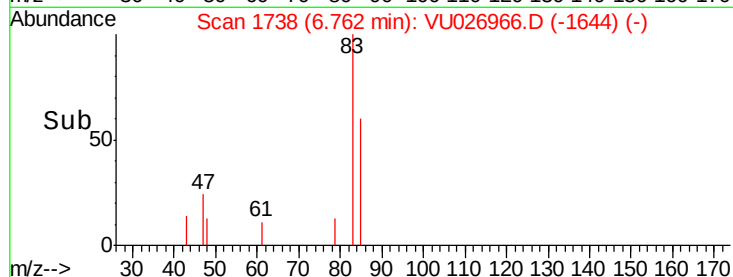
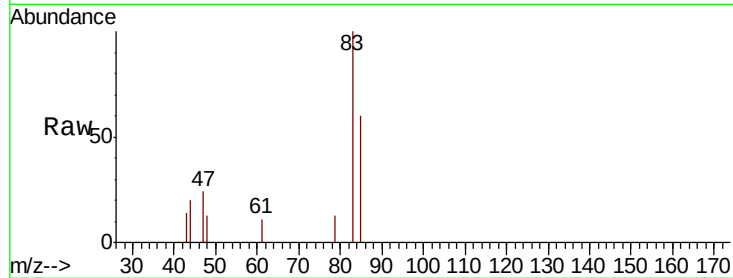
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	1797
Ion	Ratio	Lower	Upper
83	100		
85	60.4	52.5	78.7
127	0.0	6.3	9.5#

Manual Integrations
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9/24/2018 2:14:01 PM



#48

Methyl methacrylate

Concen: 0.827 ug/l

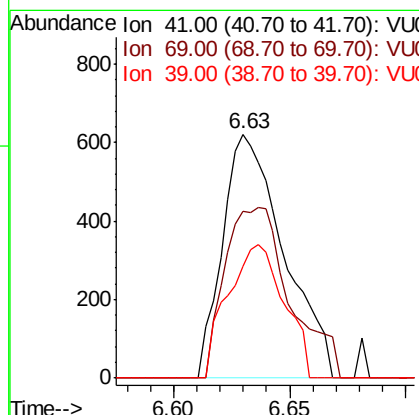
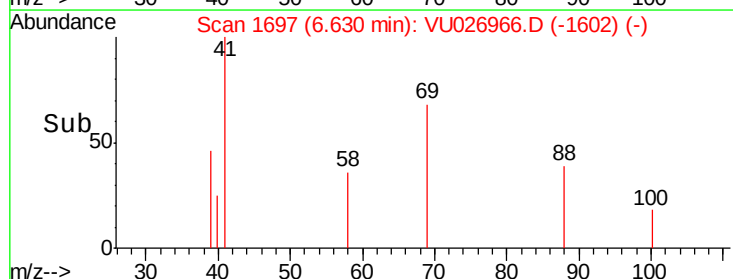
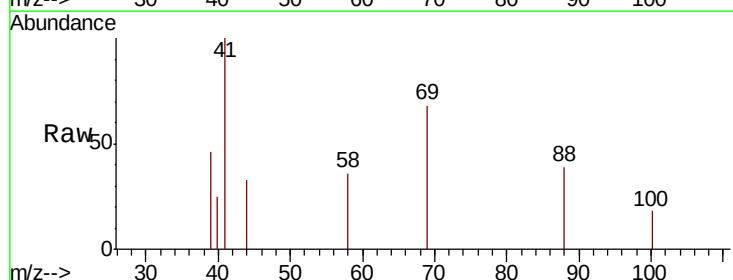
RT: 6.63 min Scan# 1697

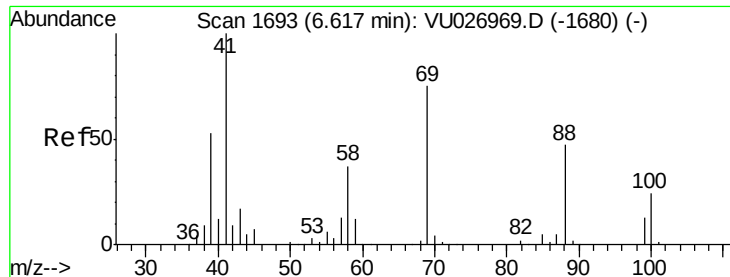
Delta R.T. 0.01 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Tgt Ion:	41	Resp:	1136
Ion	Ratio	Lower	Upper
41	100		
69	74.8	60.6	90.8
39	50.6	42.8	64.2





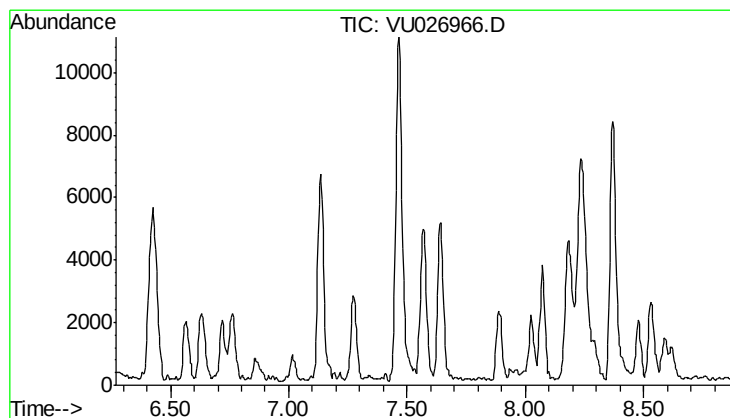
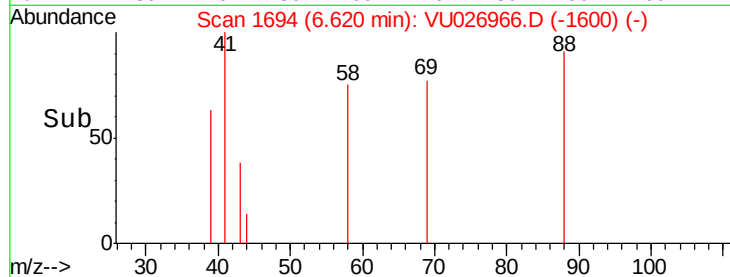
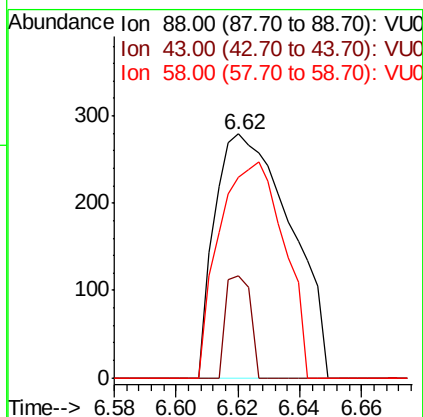
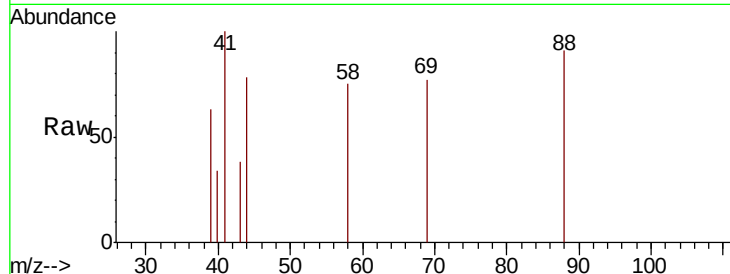
#49
1,4-Dioxane
Concen: 15.389 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
88	100		
43	13.5	29.8	44.8#
58	75.6	63.9	95.9

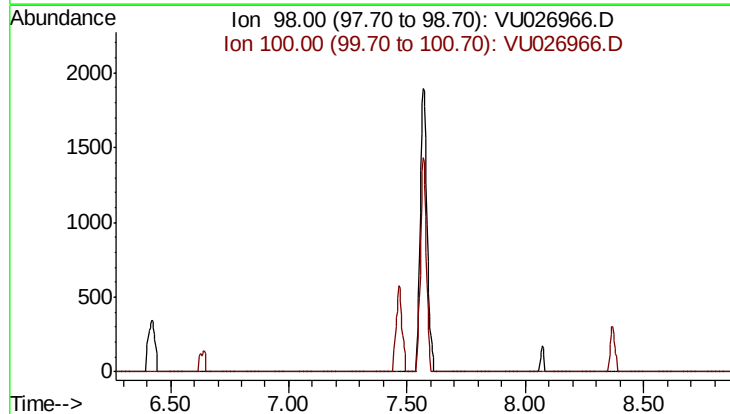
Manual Integrations
APPROVED

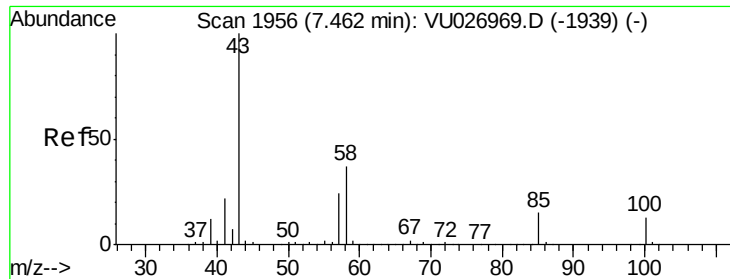
MMDadoda
9/24/2018 2:14:01 PM



#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.57 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Exp Ratio
98	100
100	65.1





#51

4-Methyl-2-Pentanone

Concen: 4.460 ug/l

RT: 7.47 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 8340

Ion Ratio Lower Upper

43 100

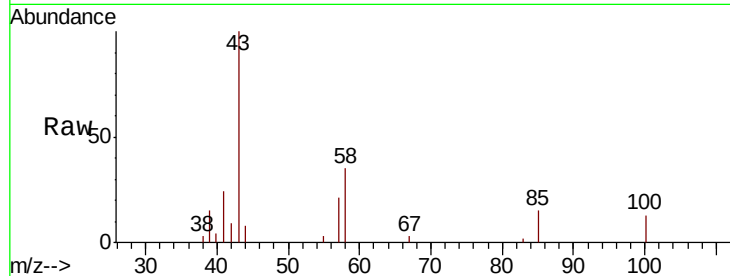
58 33.8 29.8 44.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

5000

4000

3000

2000

1000

0

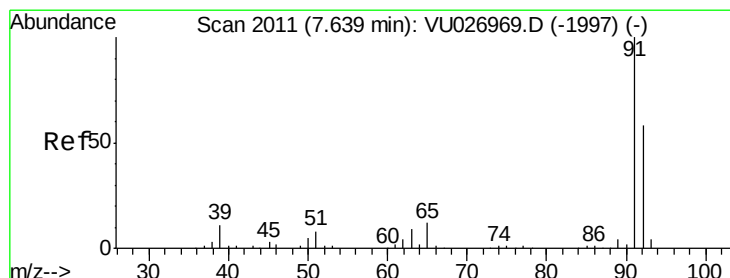
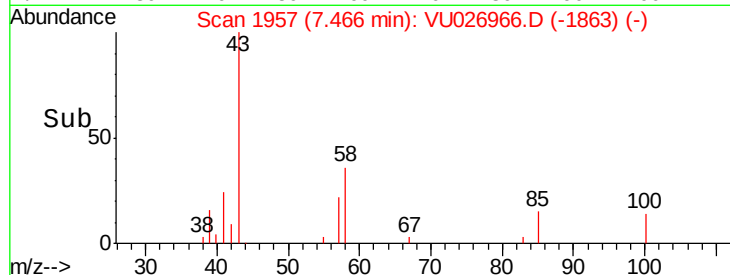
Time-->

7.40

7.45

7.50

7.55



#52

Toluene

Concen: 0.872 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026966.D

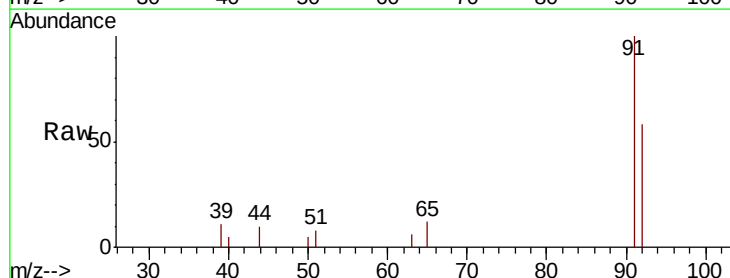
Acq: 21 Sep 2018 14:05

Tgt Ion: 92 Resp: 2393

Ion Ratio Lower Upper

92 100

91 178.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

2500

2000

1500

1000

500

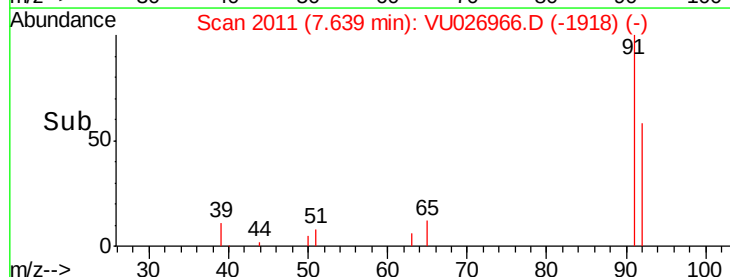
0

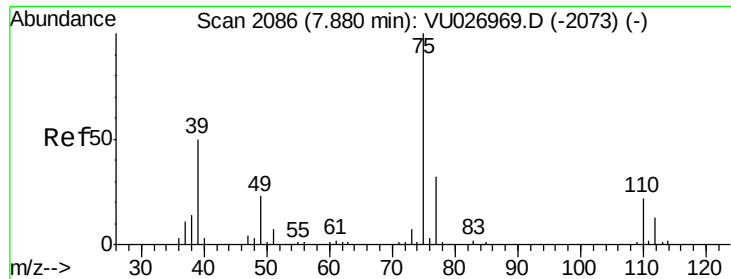
Time-->

7.60

7.65

7.70





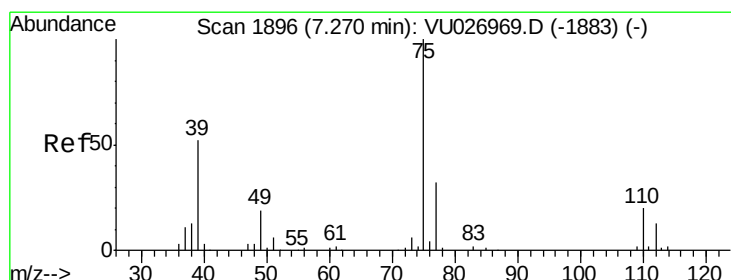
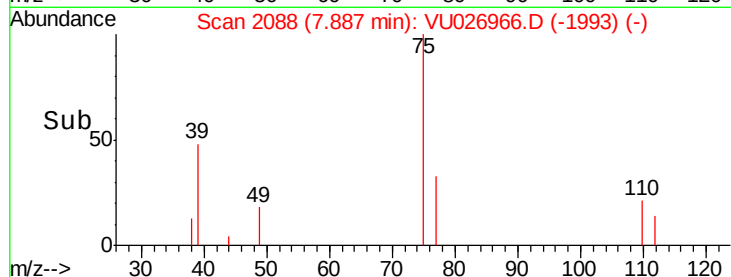
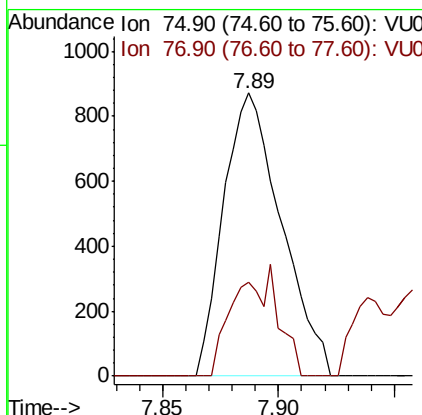
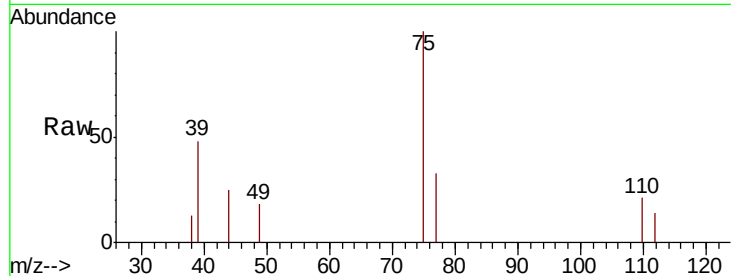
#53
t-1,3-Dichloropropene
Concen: 0.855 ug/l
RT: 7.89 min Scan# 2088
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.3	37.9

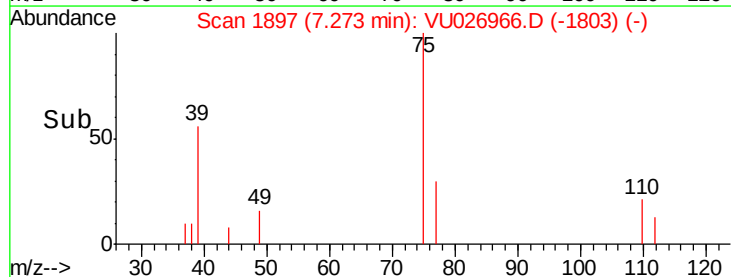
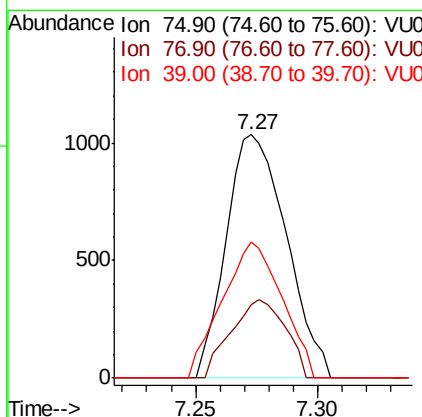
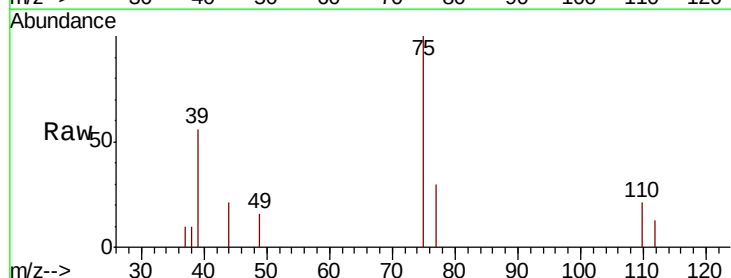
Manual Integrations
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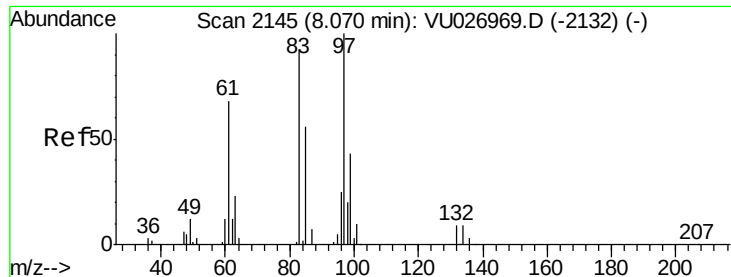
MMDadoda
9/24/2018 2:14:01 PM



#54
cis-1,3-Dichloropropene
Concen: 0.931 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.0
39	55.7	41.6	62.4





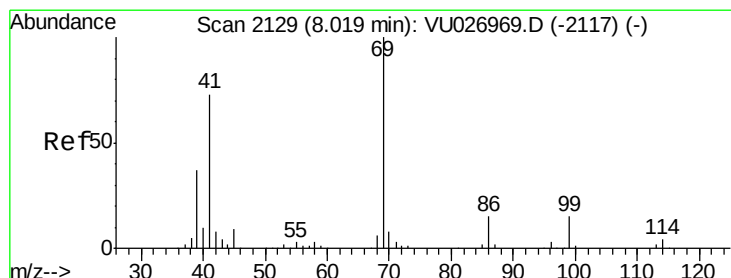
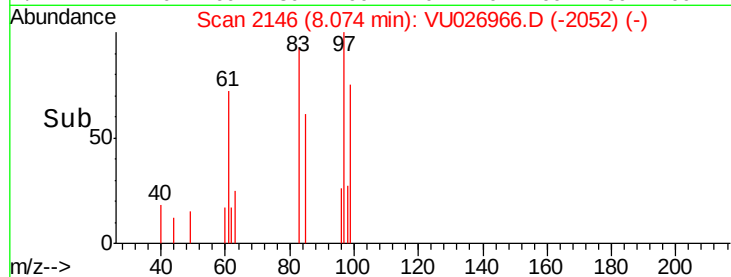
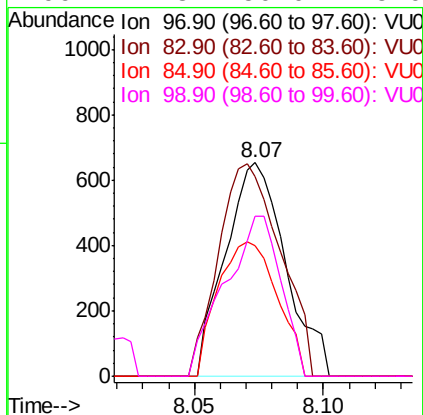
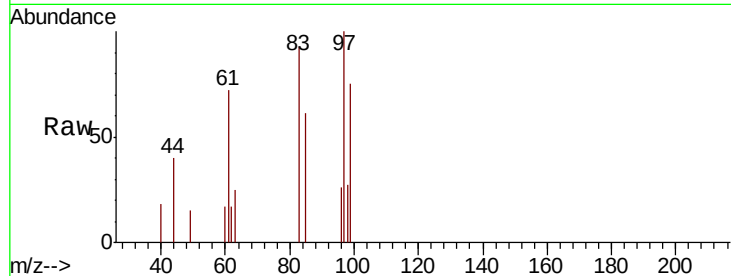
#55
 1,1,2-Trichloroethane
 Concen: 0.908 ug/l
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	97	Resp:	1061
Ion	Ratio	Lower	Upper
97	100		
83	93.4	73.1	109.7
85	60.9	46.7	70.1
99	74.8	50.0	75.0

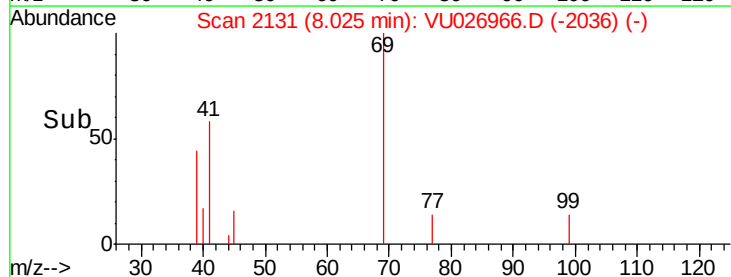
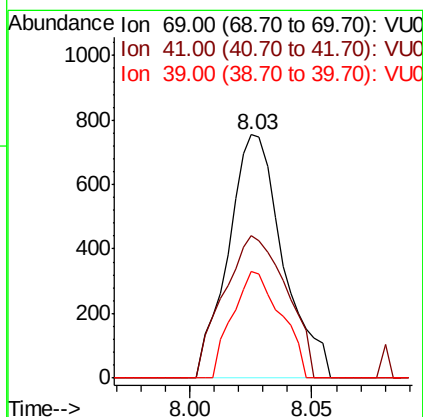
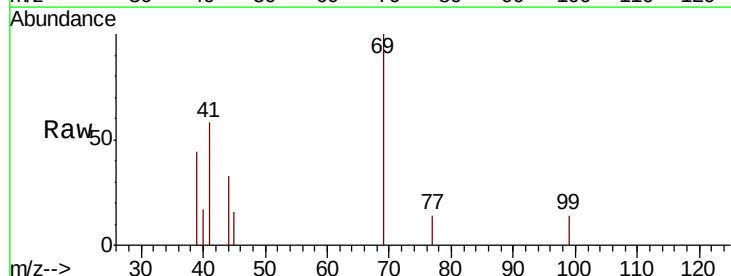
Manual Integrations
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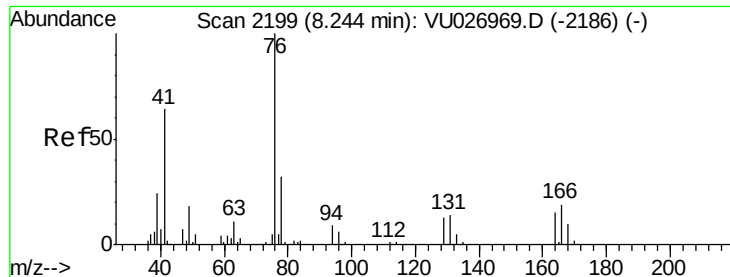
MMDadoda
 9/24/2018 2:14:01 PM



#56
 Ethyl methacrylate
 Concen: 0.680 ug/l
 RT: 8.03 min Scan# 2131
 Delta R.T. 0.01 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion:	69	Resp:	1171
Ion	Ratio	Lower	Upper
69	100		
41	67.5	59.0	88.4
39	38.9	30.2	45.4





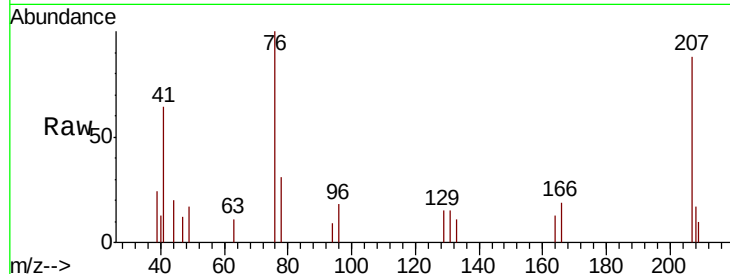
#57
 1,3-Dichloropropane
 Concen: 0.966 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

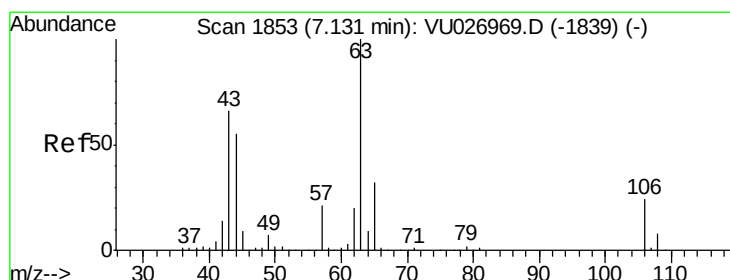
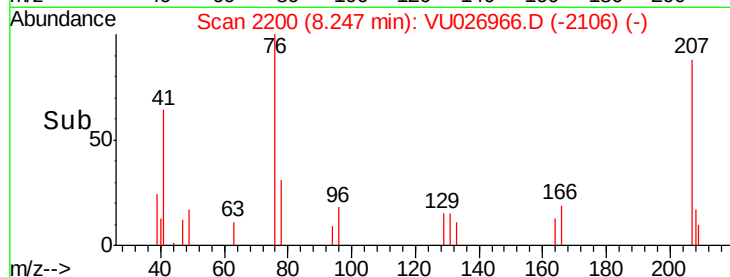
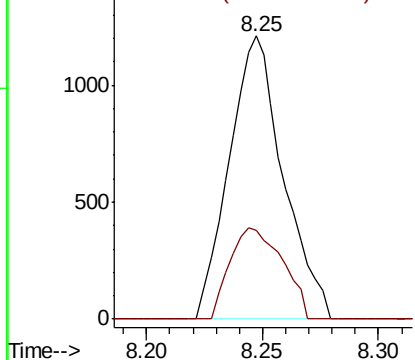
Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.5	38.3

Manual Integrations
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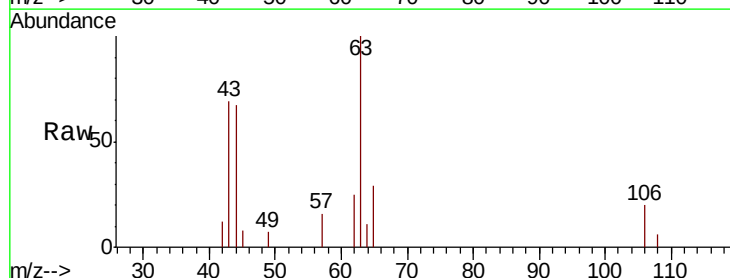


Abundance Ion 75.90 (75.60 to 76.60): VU0
 Ion 77.90 (77.60 to 78.60): VU0

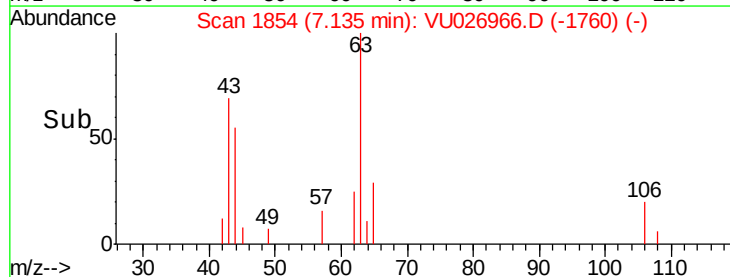
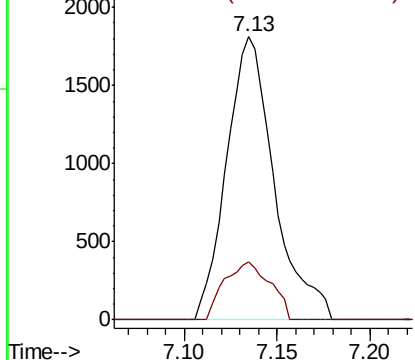


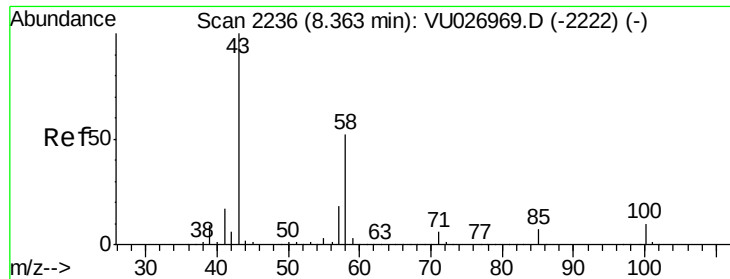
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.677 ug/l
 RT: 7.13 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	19.7	18.7	28.1



Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 105.90 (105.60 to 106.60): V





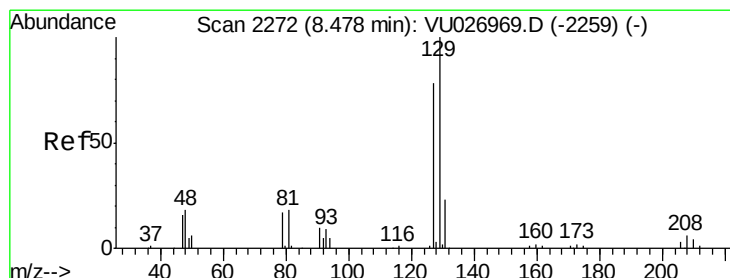
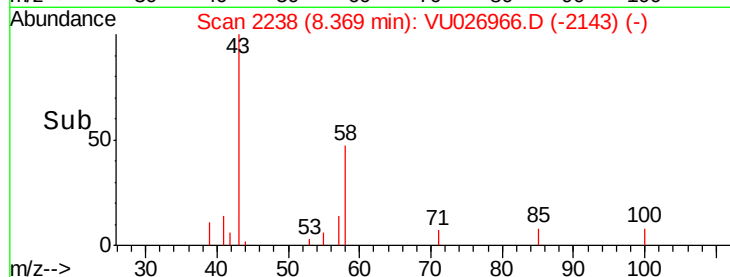
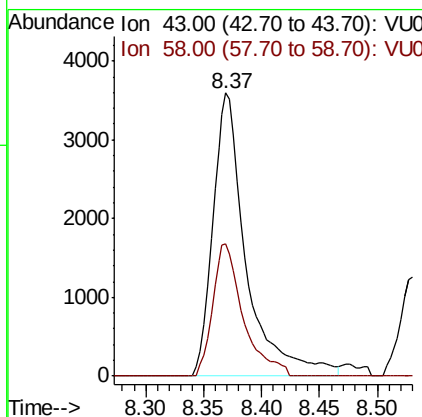
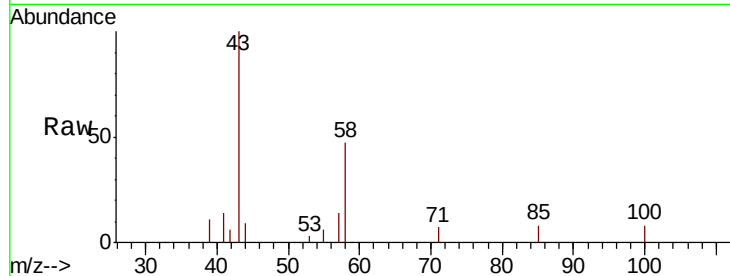
#59
2-Hexanone
Concen: 4.918 ug/l
RT: 8.37 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 7197
Ion Ratio Lower Upper
43 100
58 42.7 26.1 78.2

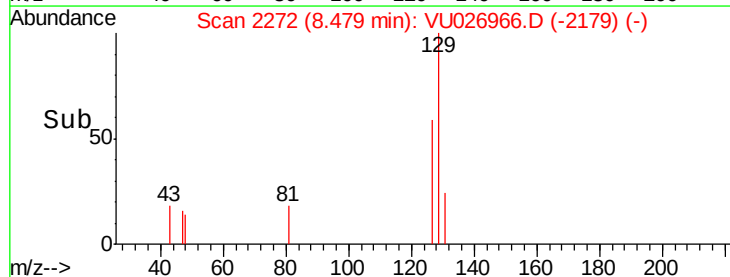
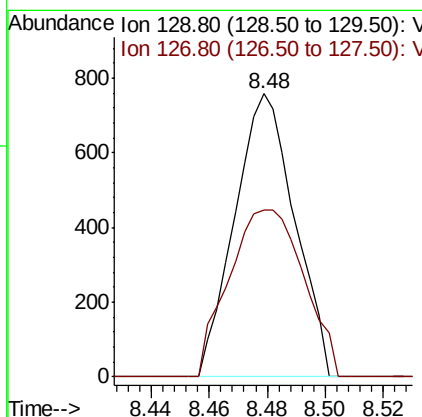
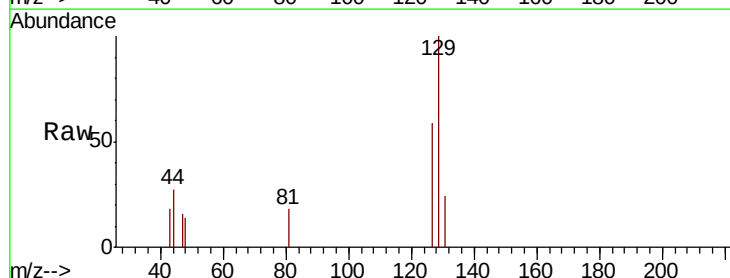
Manual Integrations
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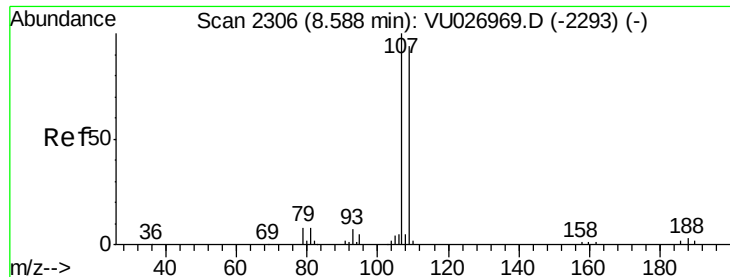
MMDadoda
9/24/2018 2:14:01 PM



#60
Dibromochloromethane
Concen: 0.875 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 129 Resp: 1084
Ion Ratio Lower Upper
129 100
127 74.2 38.1 114.5





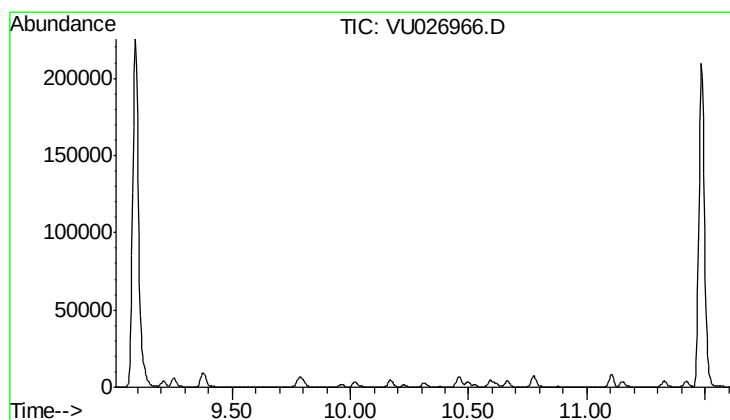
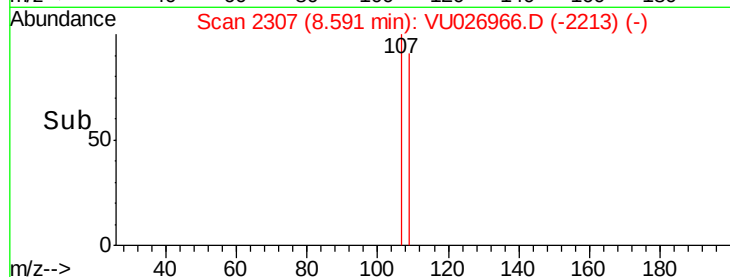
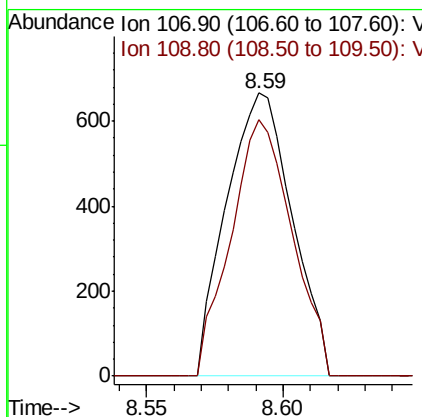
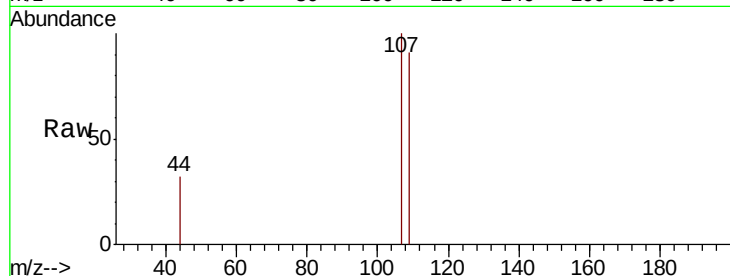
#61
 1,2-Dibromoethane
 Concen: 0.882 ug/l
 RT: 8.59 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
107	100		
109	84.4	75.0	112.6

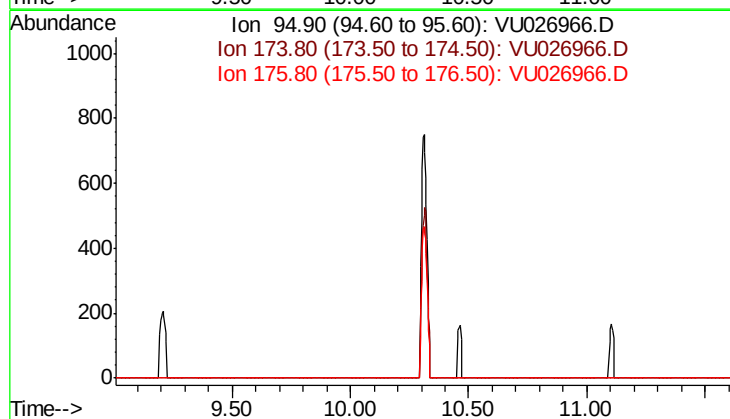
Manual Integrations
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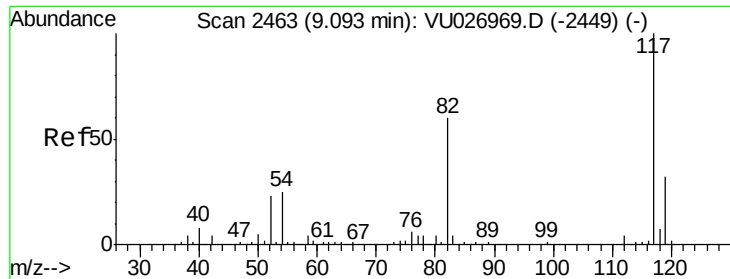
MMDadoda
 9/24/2018 2:14:01 PM



#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 10.31 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion	Sig	Exp Ratio
95	100	
174	75.1	
176	72.6	





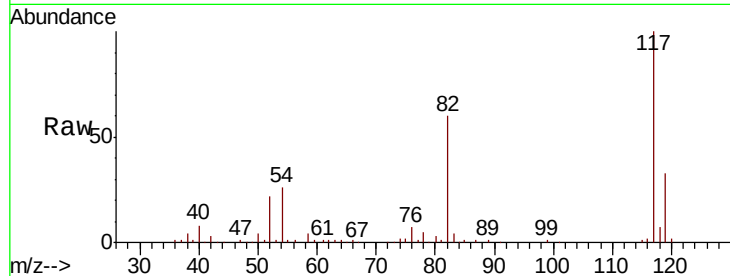
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
117	100	117377		
82	60.3	48.0	72.0	
119	33.2	25.8	38.8	

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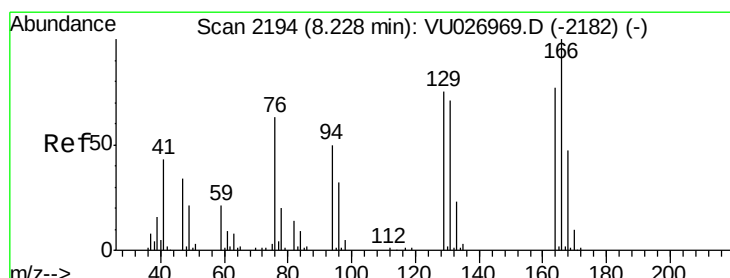
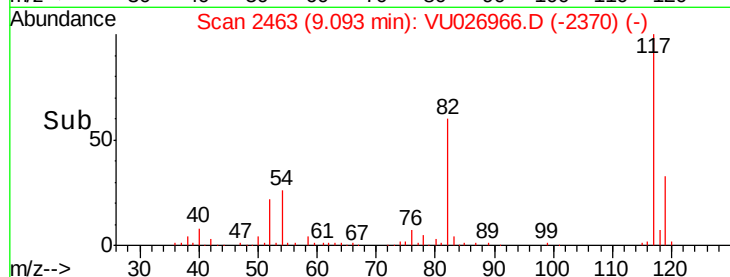
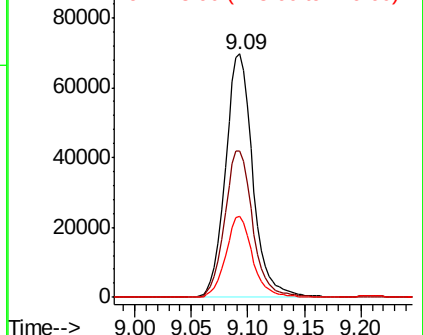


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 1.035 ug/l
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	955		
166	102.3	104.4	156.6#	
129	83.1	78.7	118.1	
131	66.3	73.9	110.9#	

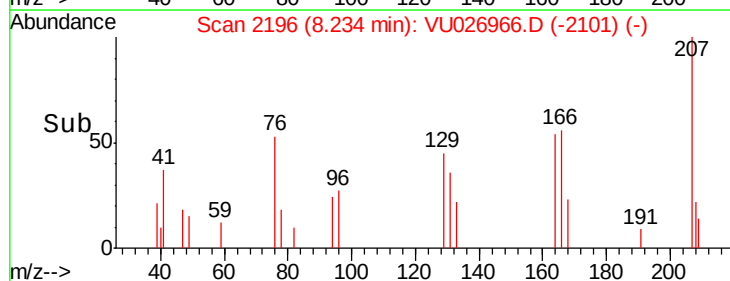
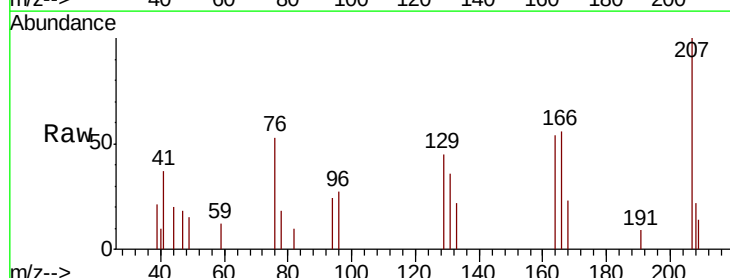
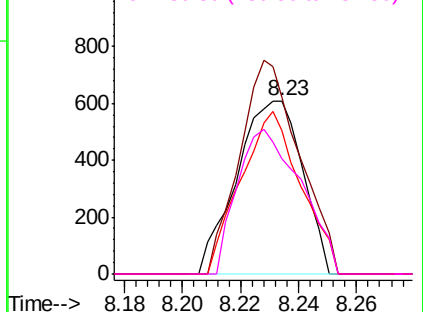
Abundance

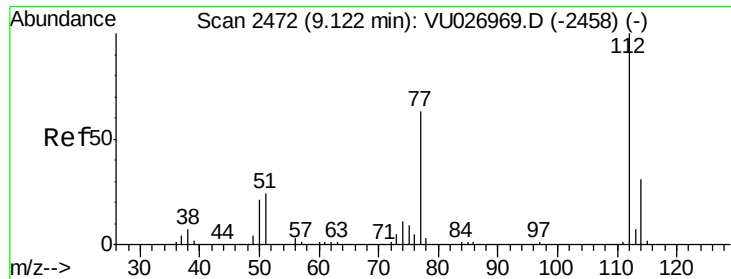
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





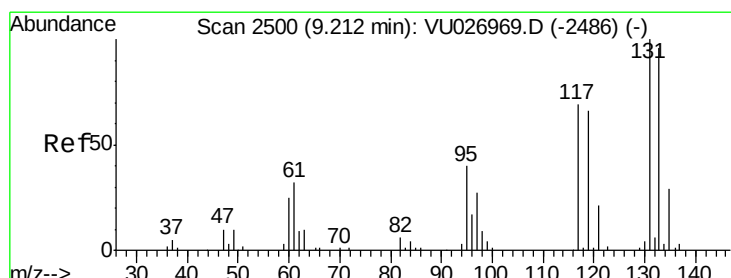
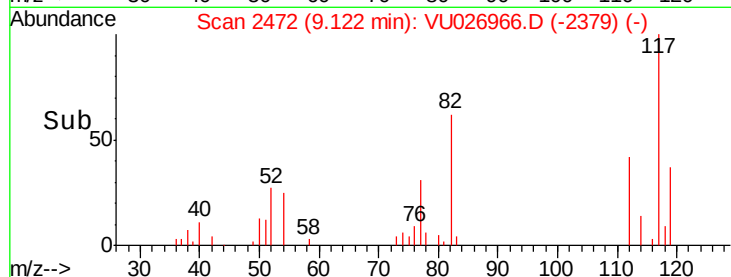
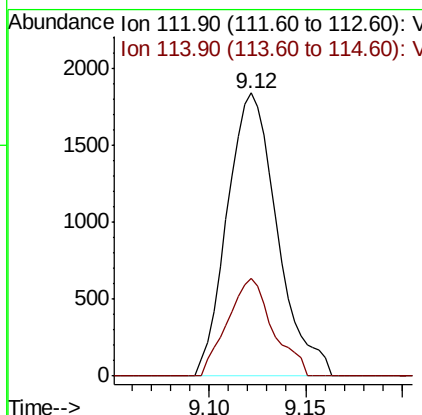
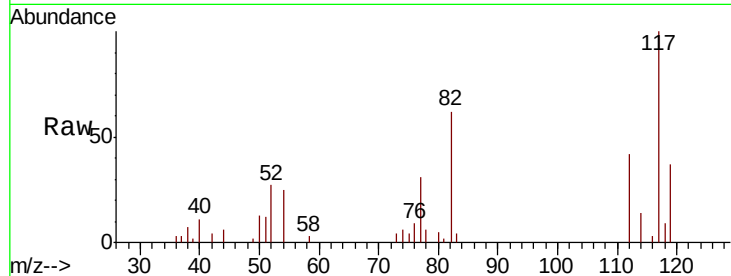
#65
Chlorobenzene
Concen: 1.134 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:112 Resp: 3312
Ion Ratio Lower Upper
112 100
114 34.4 25.0 37.6

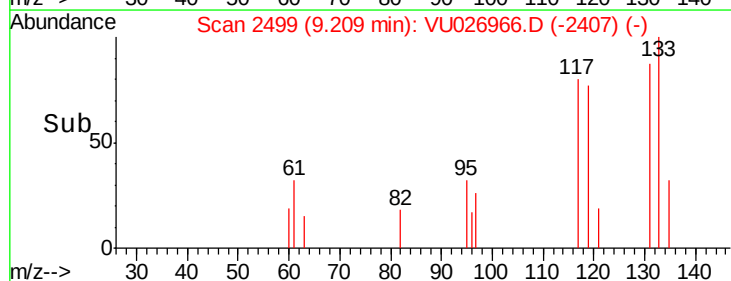
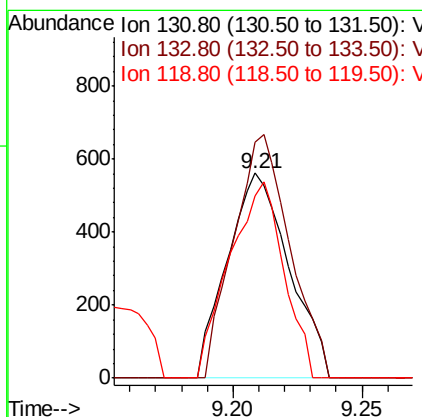
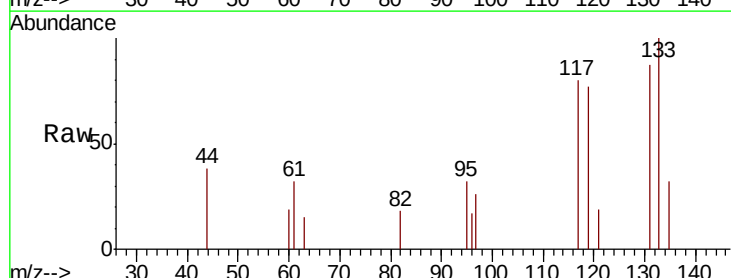
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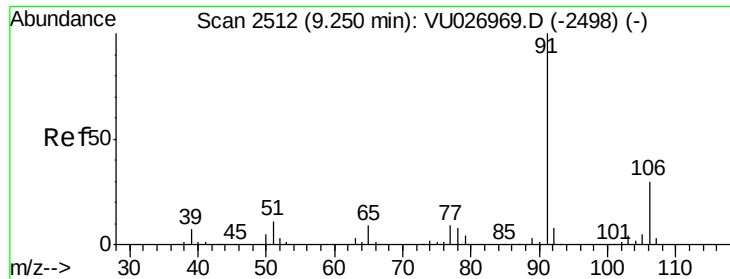
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#66
1,1,1,2-Tetrachloroethane
Concen: 0.875 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion:131 Resp: 936
Ion Ratio Lower Upper
131 100
133 108.2 48.0 144.2
119 0.0 33.4 100.1#





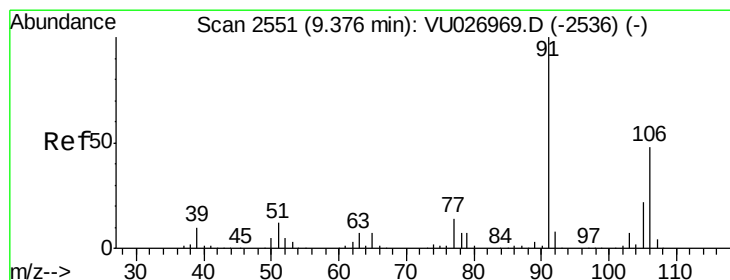
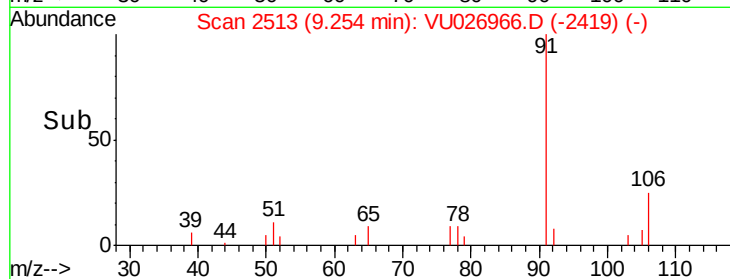
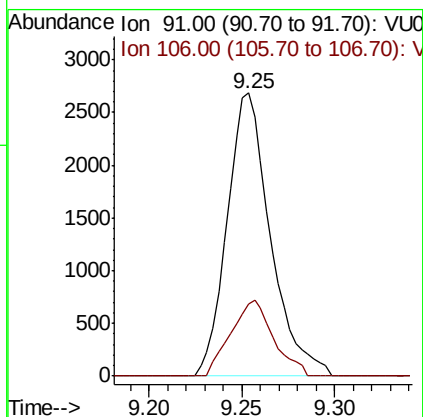
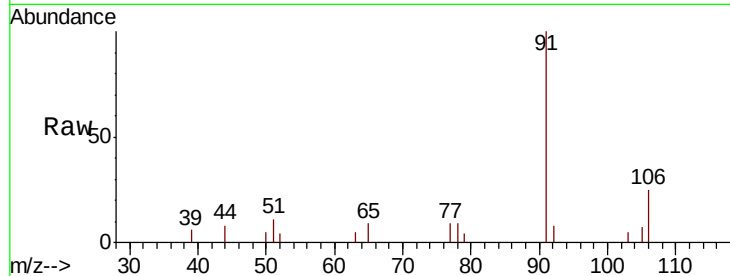
#67
Ethyl Benzene
Concen: 0.897 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 4357
Ion Ratio Lower Upper
91 100
106 25.4 23.8 35.8

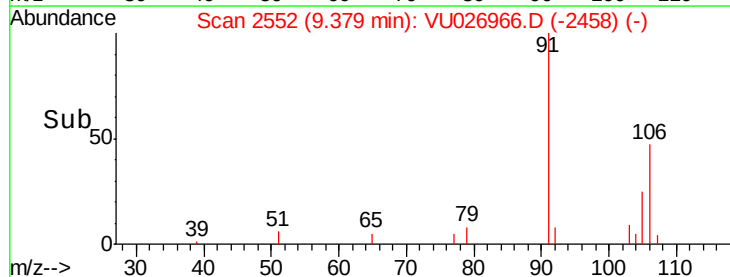
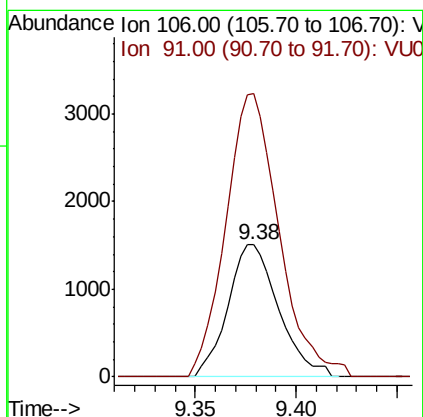
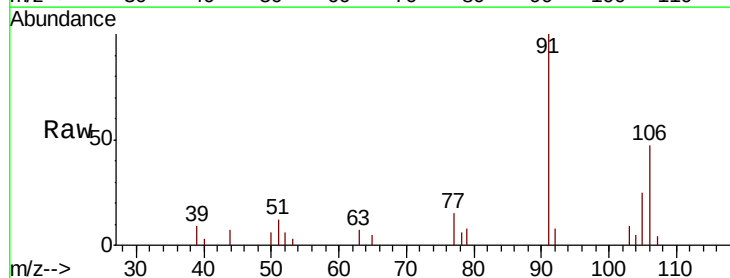
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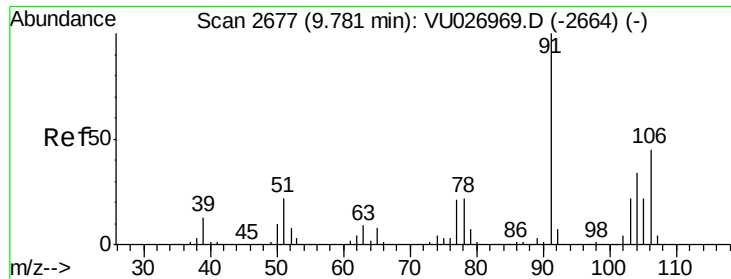
MMDadoda
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#68
m/p-Xylenes
Concen: 1.443 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion: 106 Resp: 2651
Ion Ratio Lower Upper
106 100
91 224.2 166.5 249.7





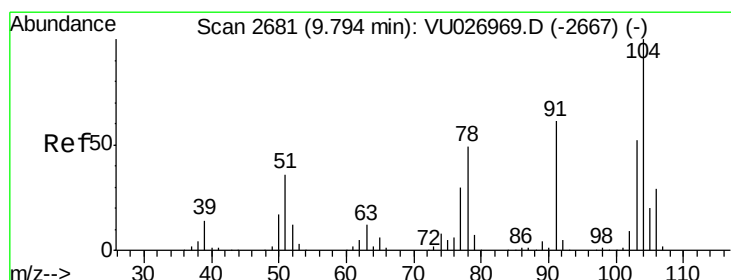
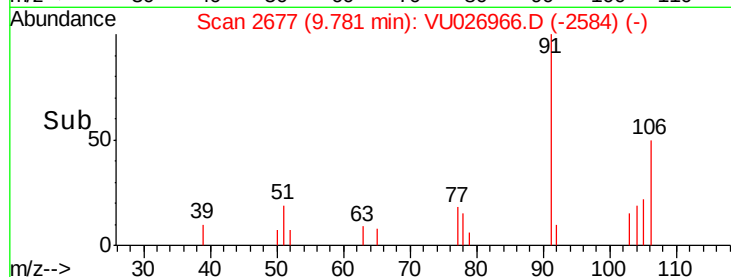
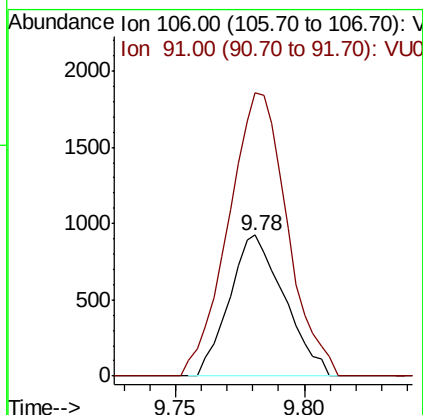
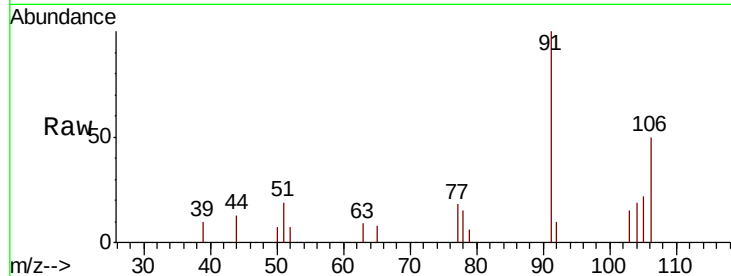
#69
o-Xylene
Concen: 0.768 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.1	110.2	330.6

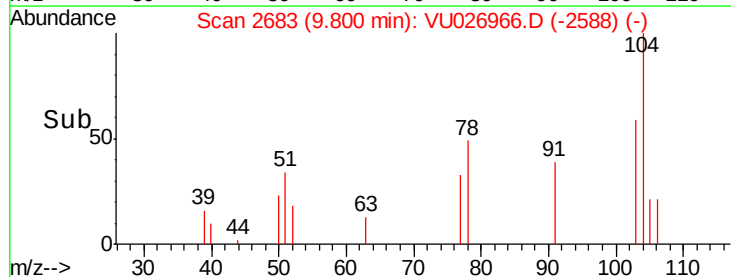
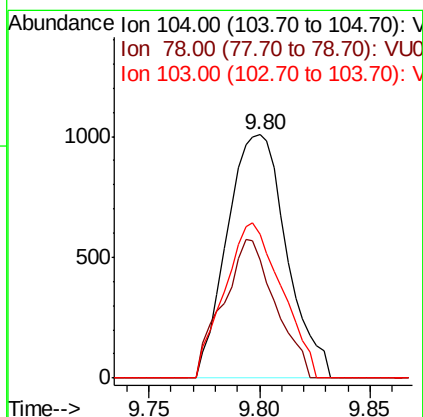
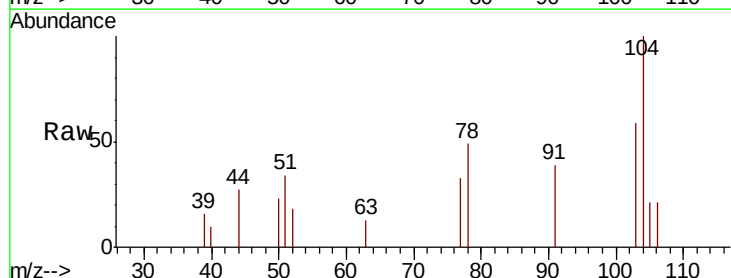
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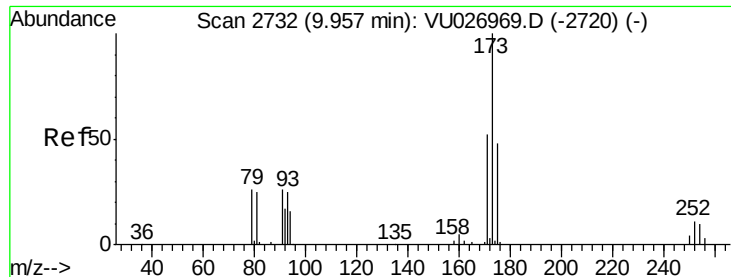
MMDadoda
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#70
Styrene
Concen: 0.645 ug/l
RT: 9.80 min Scan# 2683
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.9	43.0	64.4
103	61.3	44.1	66.1





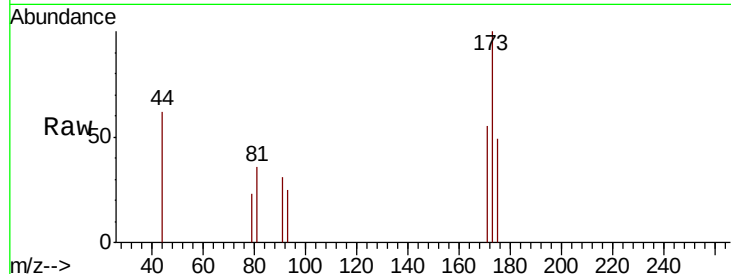
#71
Bromoform
Concen: 0.723 ug/l
RT: 9.96 min Scan# 2734
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

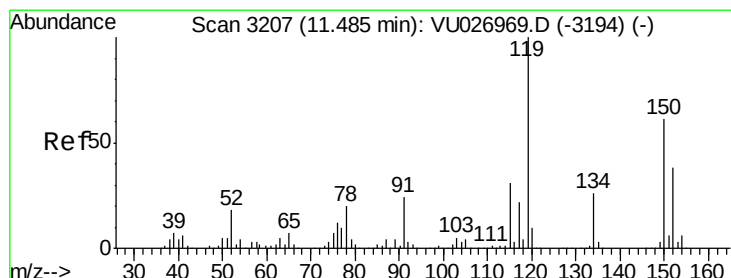
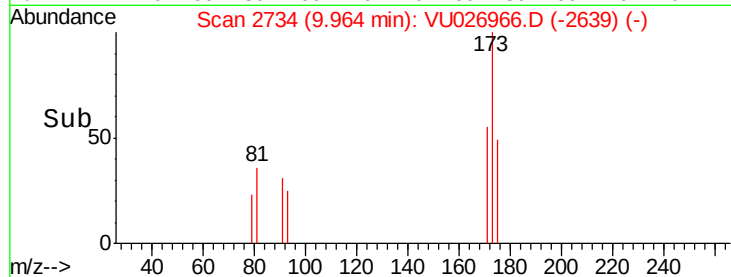
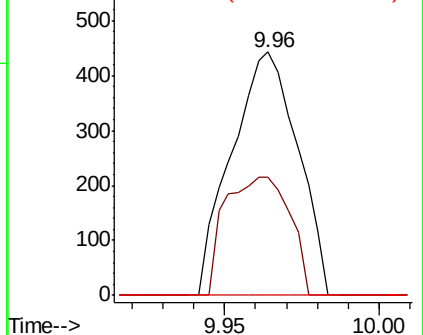
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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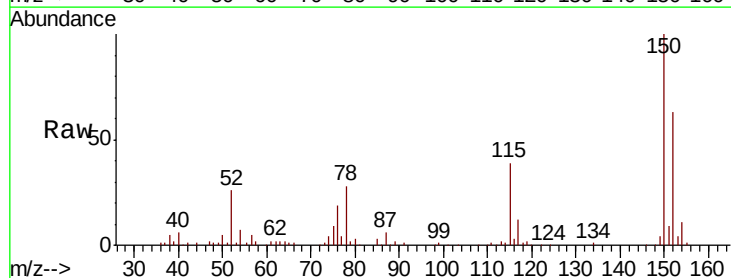


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

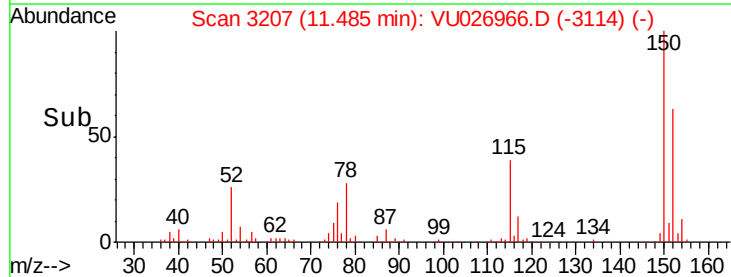
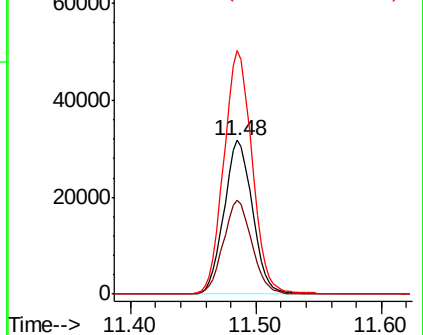


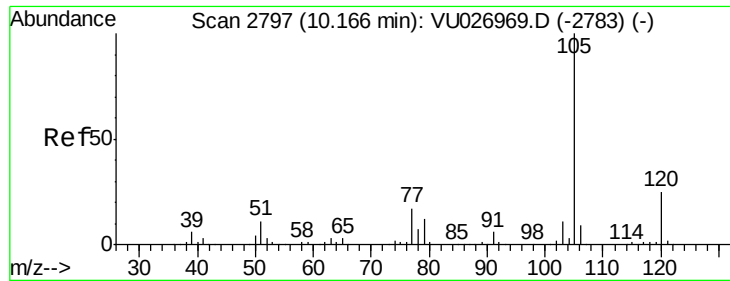
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	44.9	134.5
150	158.0	0.0	355.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





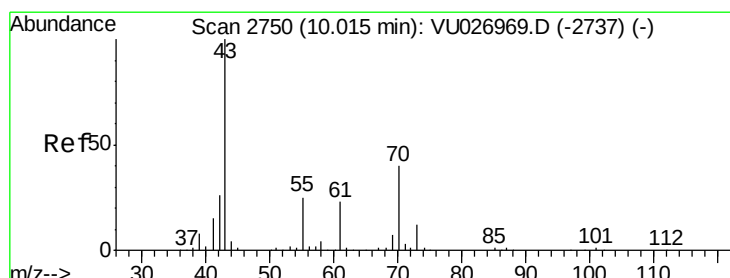
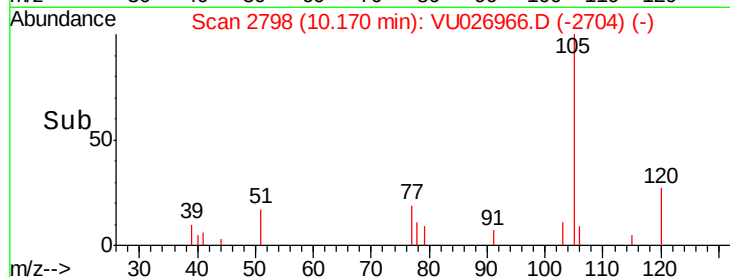
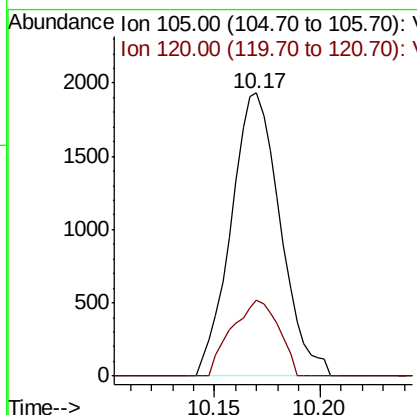
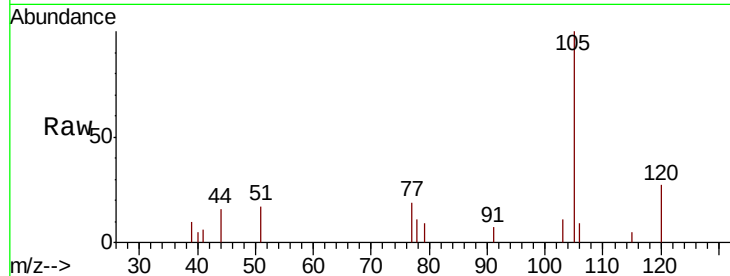
#73
Isopropylbenzene
Concen: 0.899 ug/l
RT: 10.17 min Scan# 2798
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4

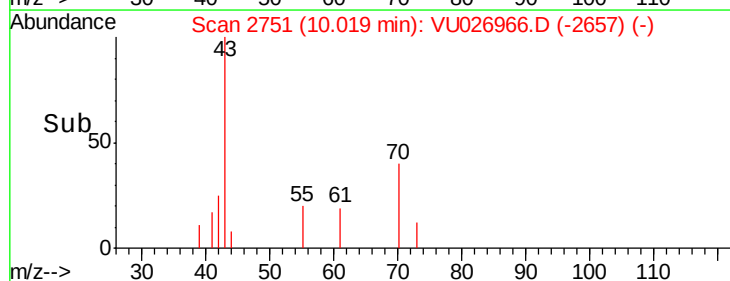
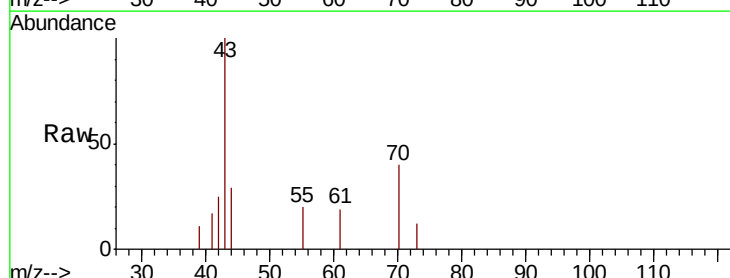
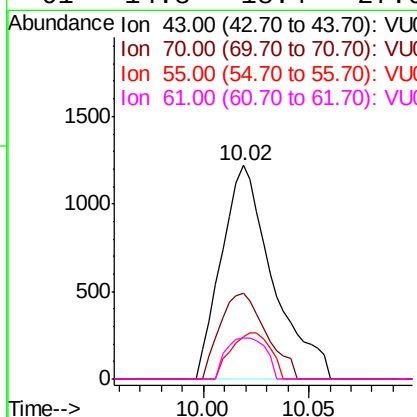
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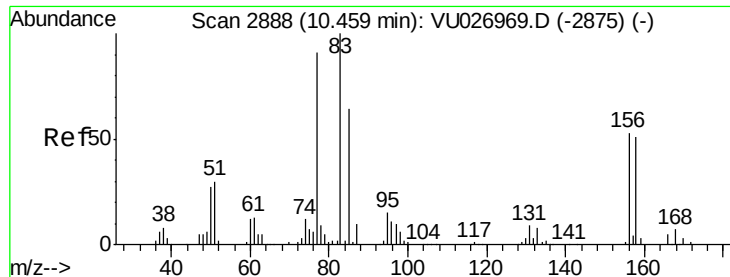
MMDadoda
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#74
N-ethyl acetate
Concen: 1.210 ug/l
RT: 10.02 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.0	31.8	47.8
55	16.4	19.9	29.9#
61	14.8	18.4	27.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.422 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

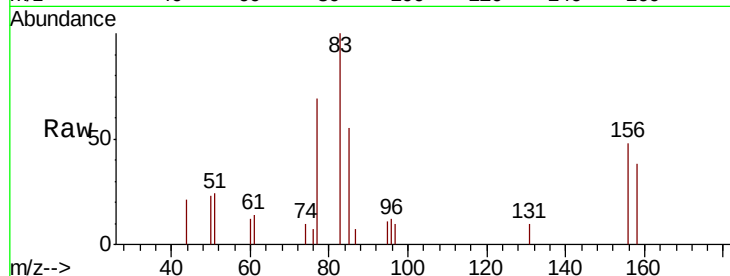
ClientSampleId :

VSTDIC001

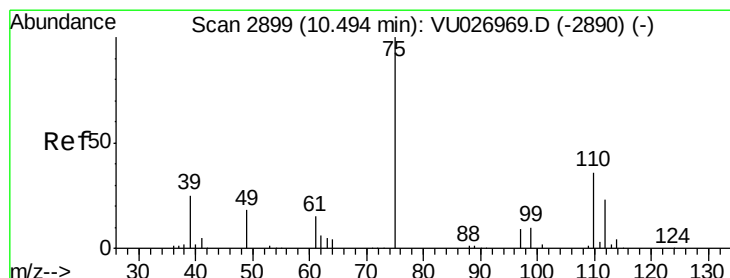
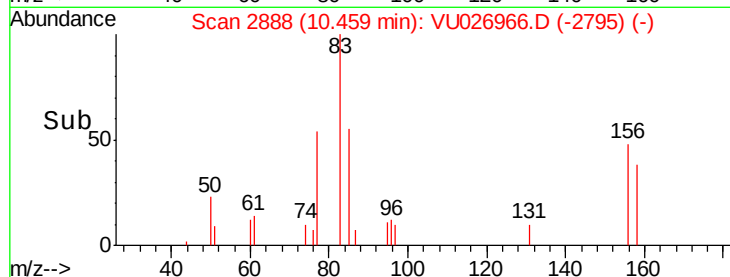
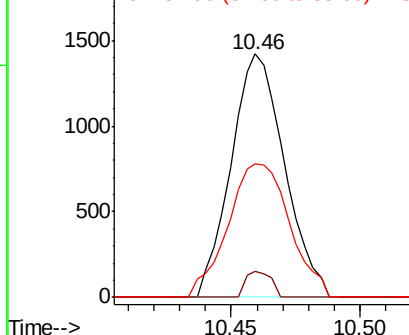
Tot Ion:	83	Resp:	2045
Ion Ratio	Lower	Upper	
83	100		
131	5.0	4.3	12.8
85	63.5	31.9	95.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 130.80 (130.50 to 131.50): VU0
Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 1.444 ug/l m

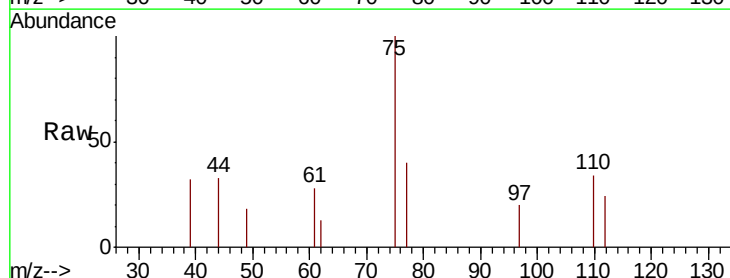
RT: 10.50 min Scan# 2900

Delta R.T. 0.00 min

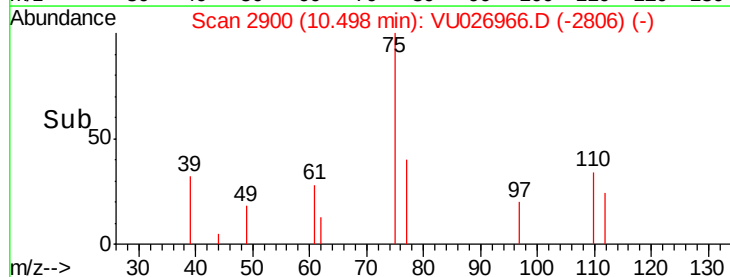
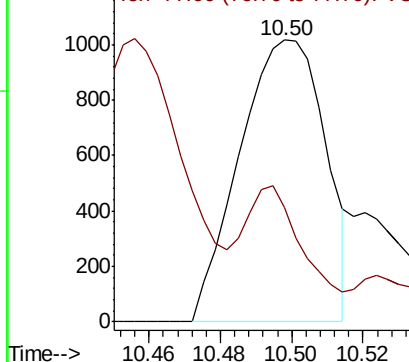
Lab File: VU026966.D

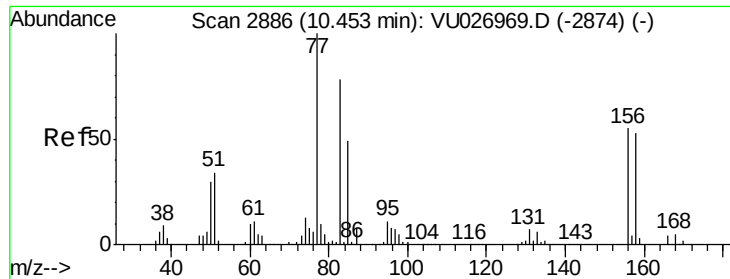
Acq: 21 Sep 2018 14:05

Tgt Ion:	75	Resp:	1690
Ion Ratio	Lower	Upper	
75	100		
77	34.6	20.9	62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 1.025 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

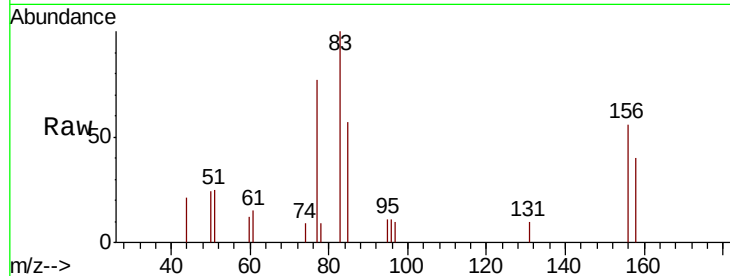
ClientSampleId :

VSTDIC001

Tot Ion:	156	Resp:	953
Ion Ratio	Lower	Upper	
156	100		
77	196.9	92.3	276.9
158	106.6	48.1	144.3

Manual Integrations
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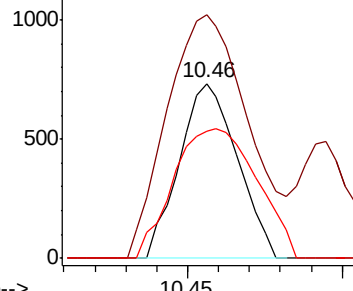
MMDadoda
9/24/2018 2:14:01 PM



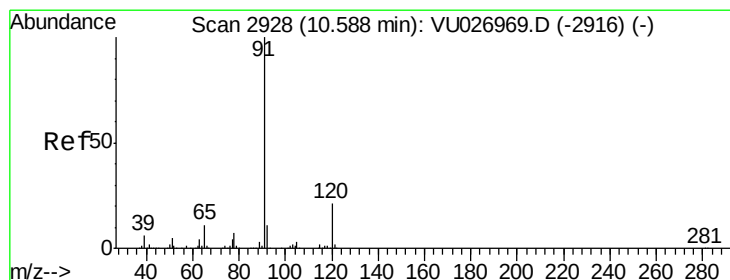
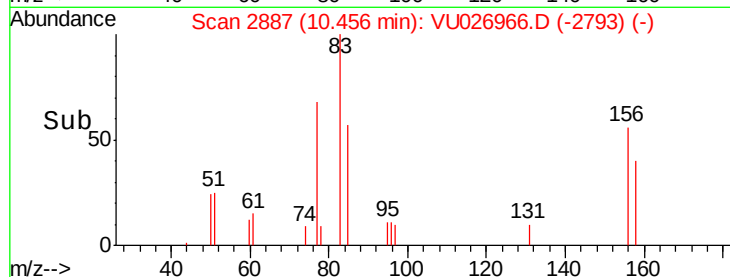
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 0.837 ug/l

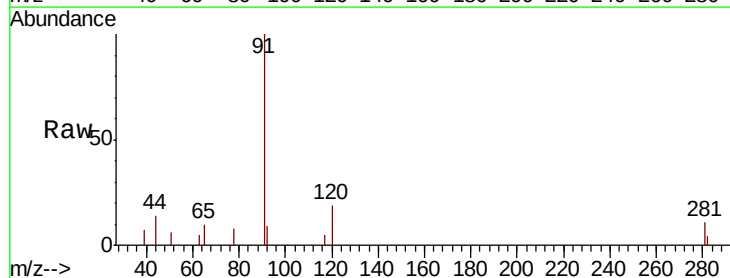
RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU026966.D

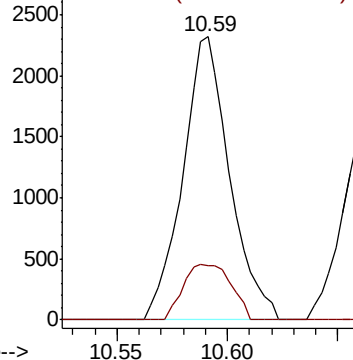
Acq: 21 Sep 2018 14:05

Tgt Ion:	91	Resp:	3417
Ion Ratio	Lower	Upper	
91	100		
120	19.9	10.6	31.8

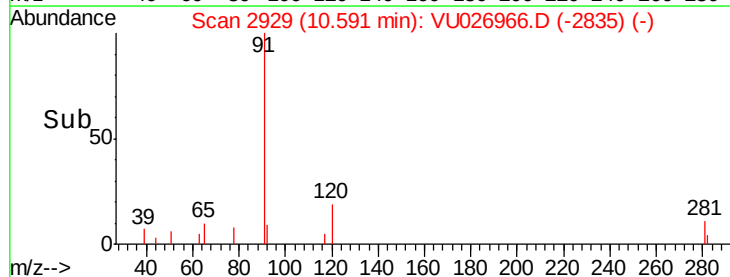


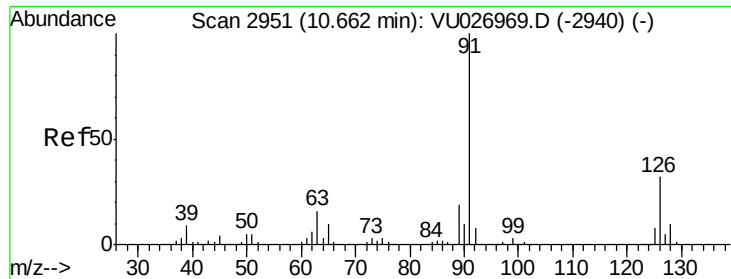
Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 1.008 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 2545

Ion Ratio Lower Upper

91 100

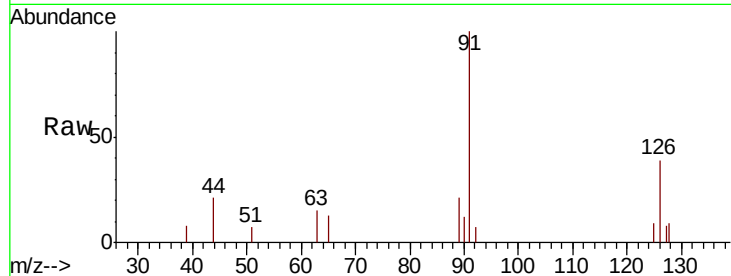
126 30.6 15.8 47.3

Manual Integrations

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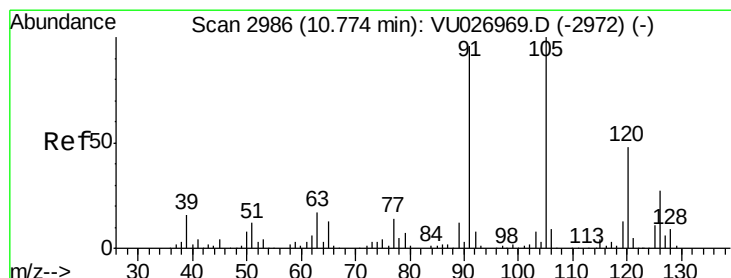
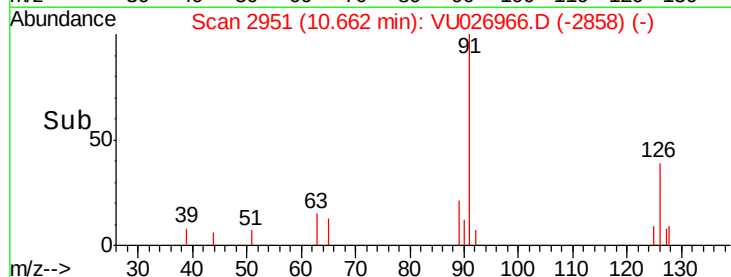
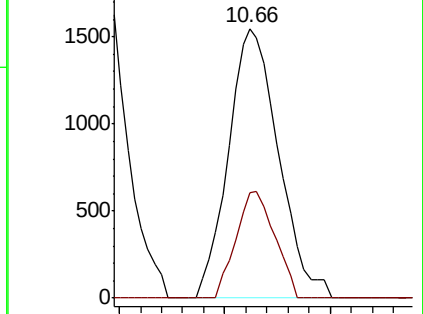
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU026969.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.797 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026966.D

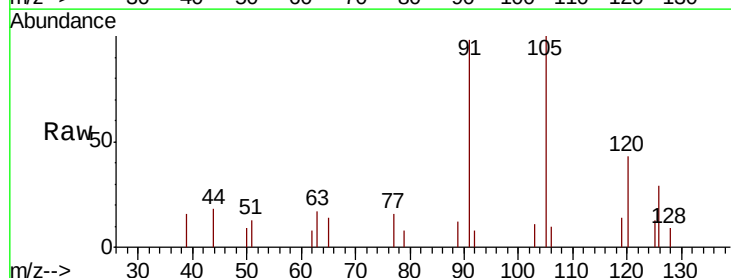
Acq: 21 Sep 2018 14:05

Tgt Ion: 105 Resp: 2334

Ion Ratio Lower Upper

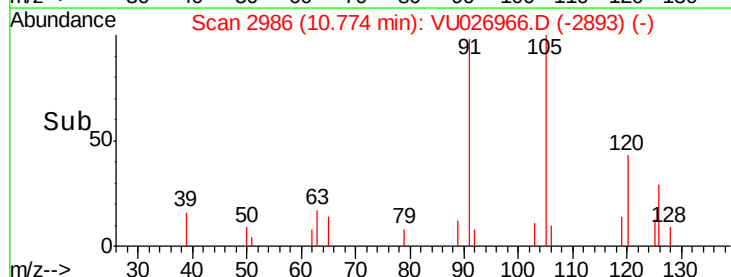
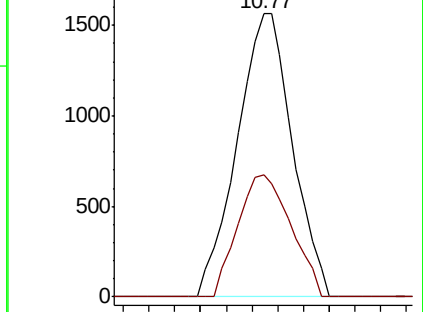
105 100

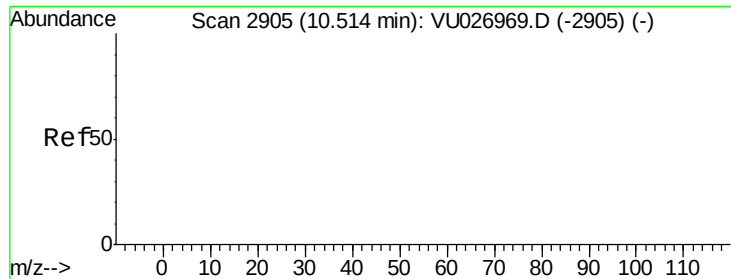
120 41.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VU026969.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU026969.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 1.186 ug/l

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU026966.D

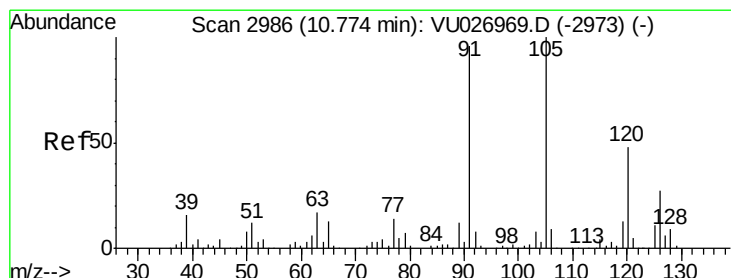
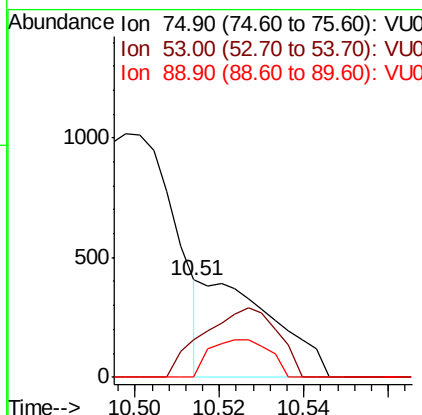
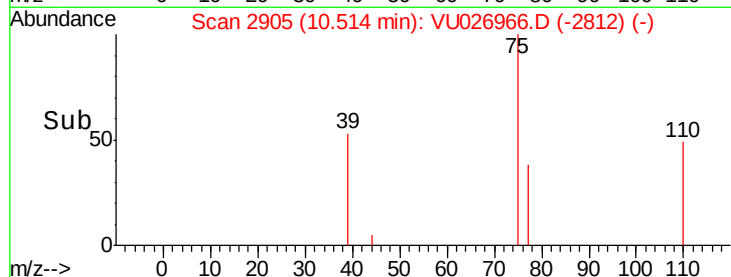
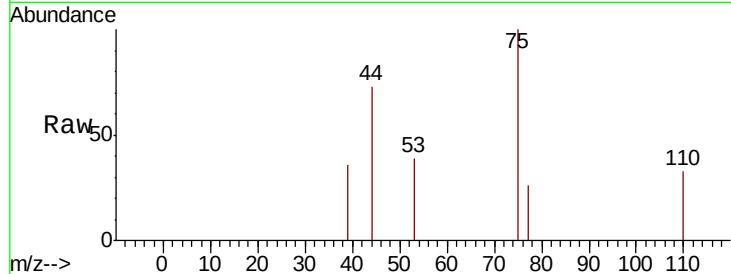
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

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: 0.897 ug/l

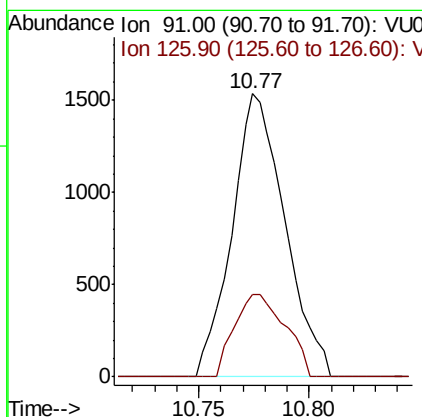
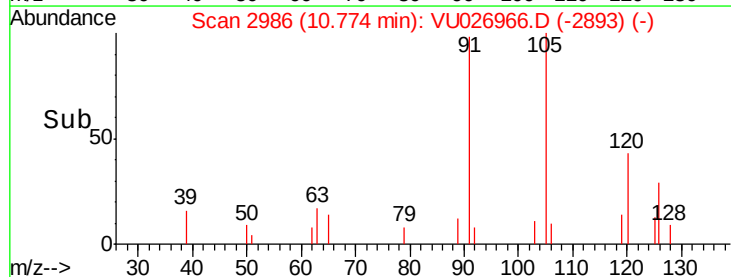
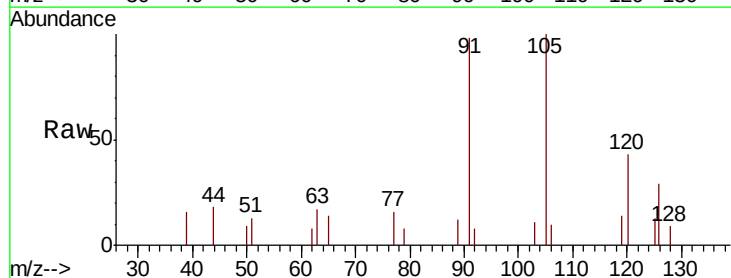
RT: 10.77 min Scan# 2986

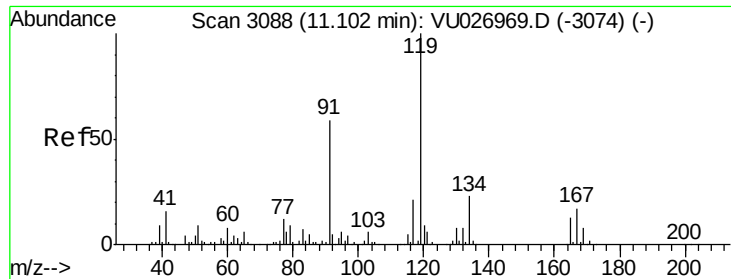
Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.2





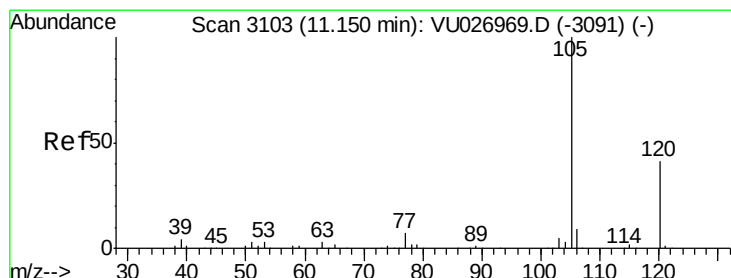
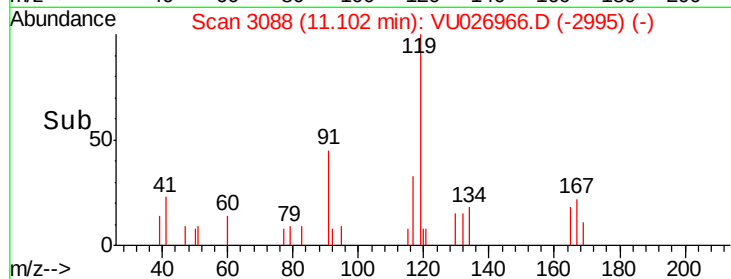
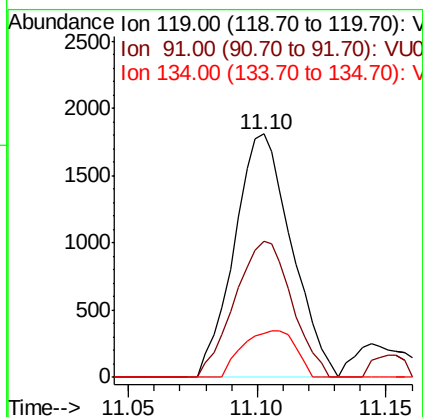
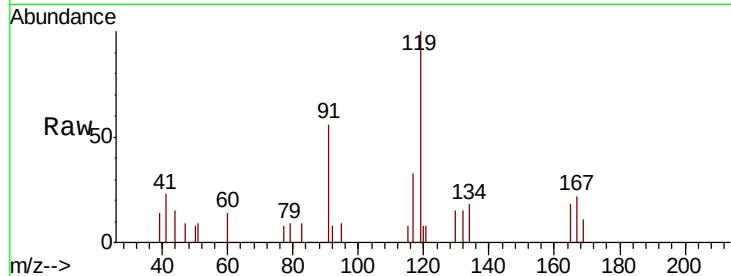
#83
 tert-Butylbenzene
 Concen: 0.951 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	119	Resp:	2801
Ion Ratio	Lower	Upper	
119	100		
91	55.9	29.8	89.4
134	17.8	11.5	34.4

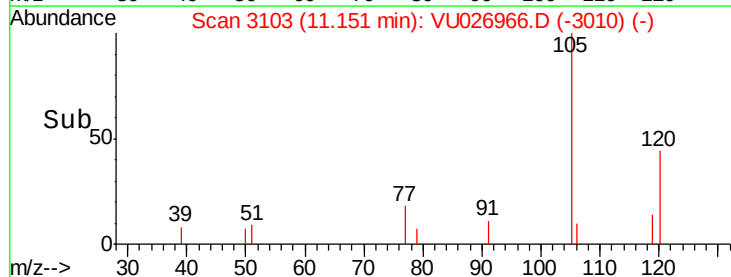
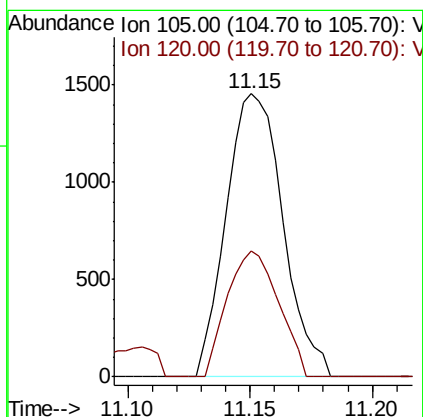
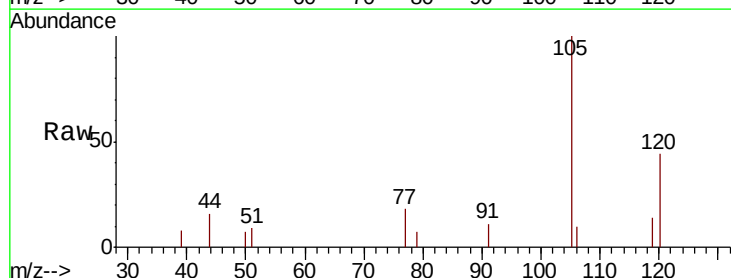
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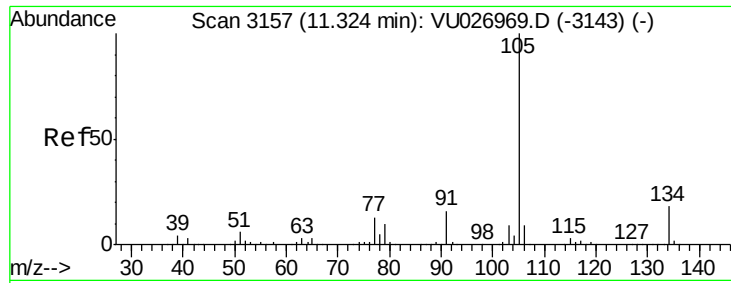
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.795 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion:	105	Resp:	2351
Ion Ratio	Lower	Upper	
105	100		
120	40.3	22.4	67.2





#85

sec-Butylbenzene

Concen: 0.790 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 2782

Ion Ratio Lower Upper

105 100

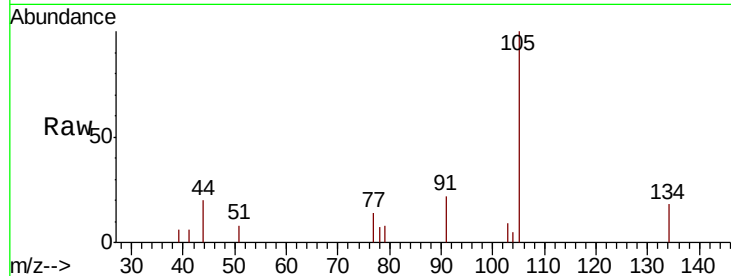
134 18.6 9.4 28.2

Manual Integrations

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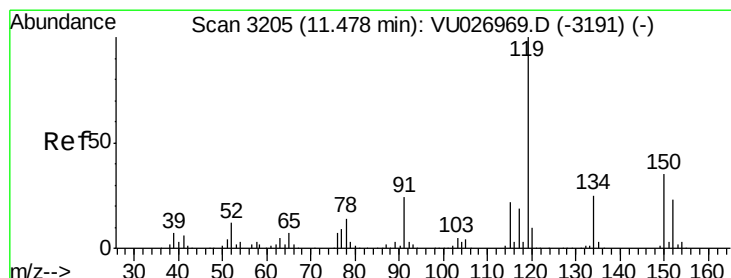
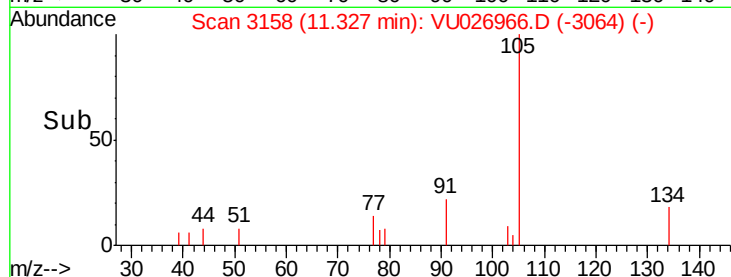
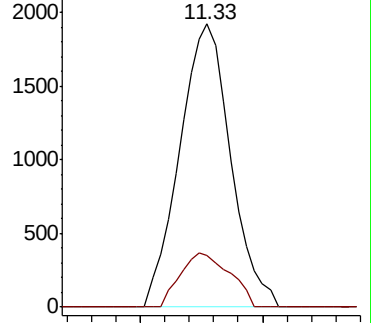
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.730 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU026966.D

Acq: 21 Sep 2018 14:05

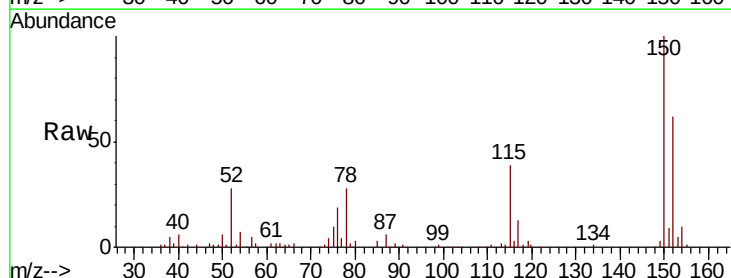
Tgt Ion:119 Resp: 2231

Ion Ratio Lower Upper

119 100

134 22.4 12.8 38.3

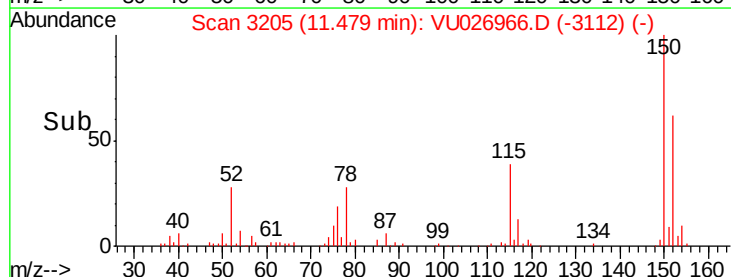
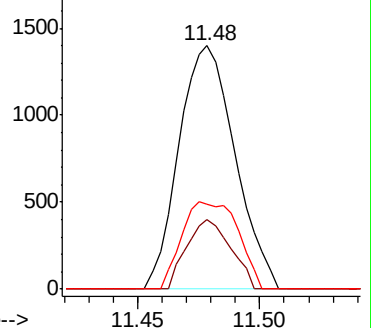
91 35.9 12.3 36.8

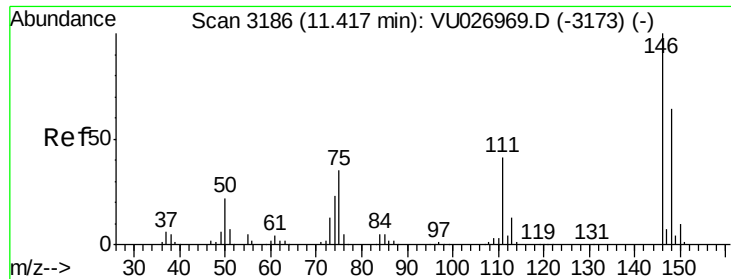


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





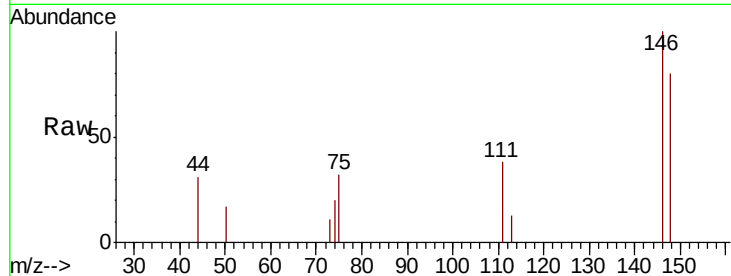
#87
 1,3-Dichlorobenzene
 Concen: 0.994 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

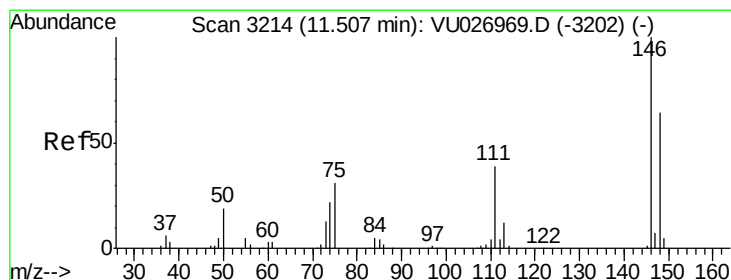
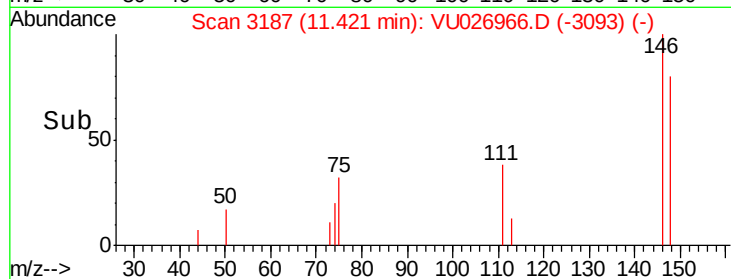
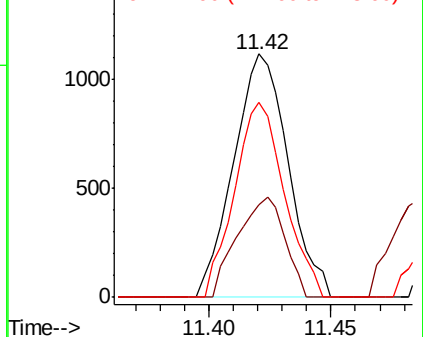
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	20.8	62.2
148	73.5	32.0	96.2

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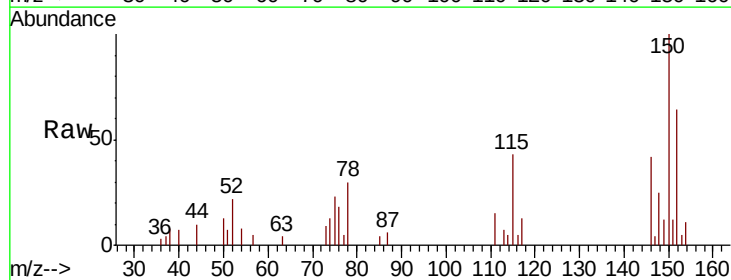


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

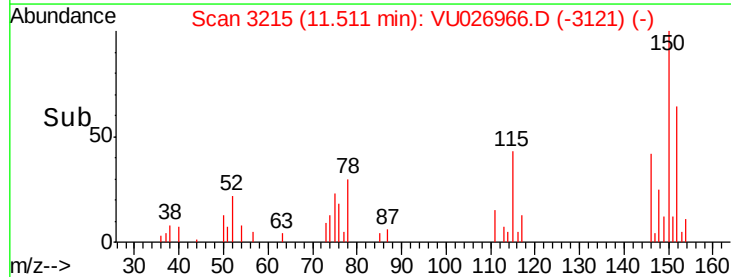
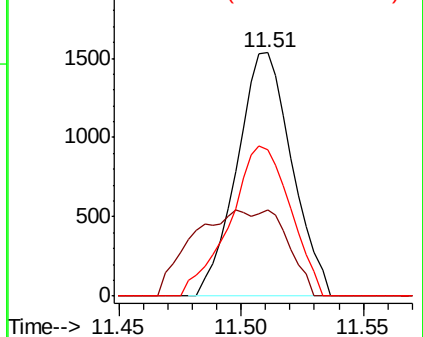


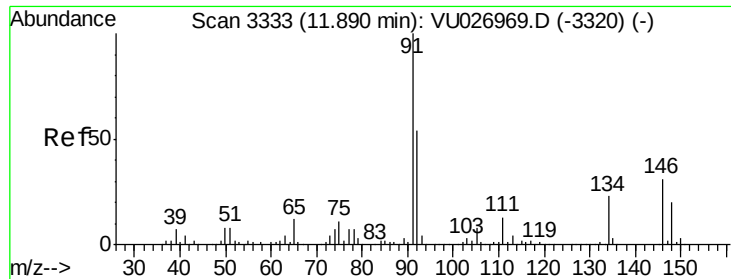
#88
 1,4-Dichlorobenzene
 Concen: 1.324 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.3	60.9
148	67.8	31.9	95.9



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





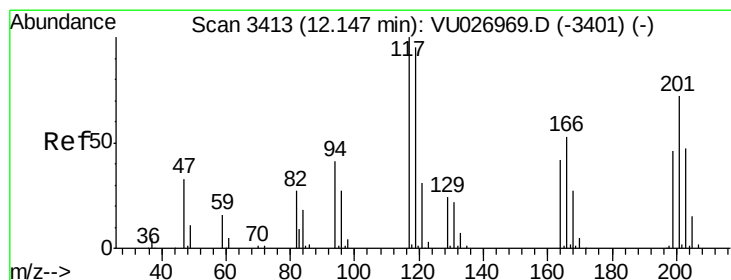
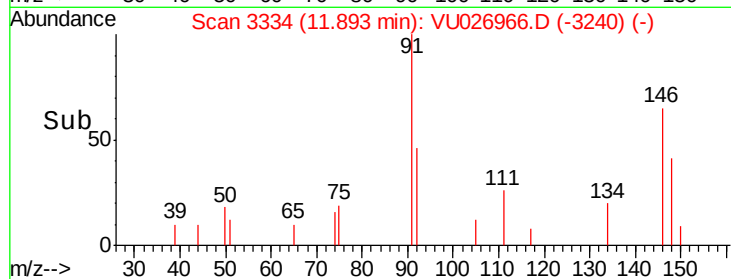
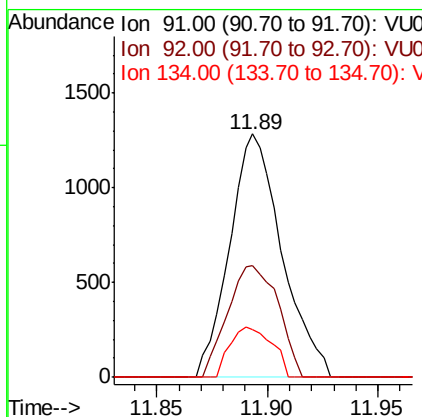
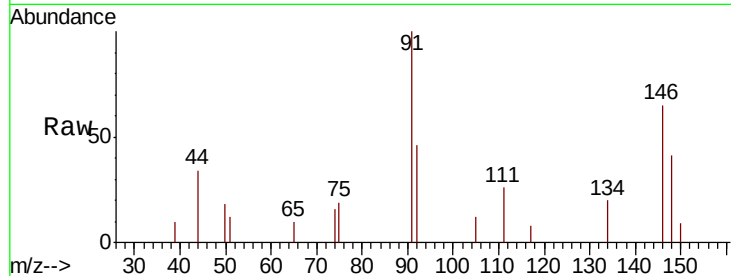
#89
n-Butylbenzene
Concen: 0.782 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	44.2	27.1	81.2
134	16.5	11.7	35.0

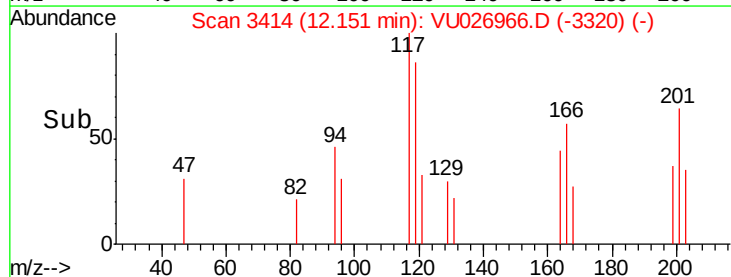
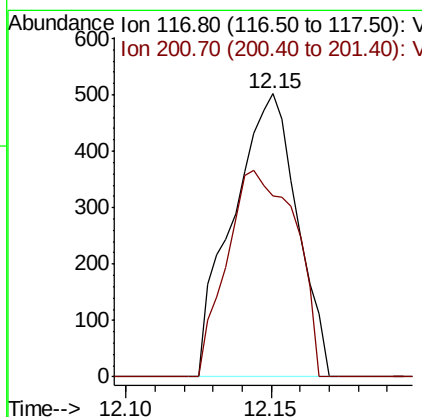
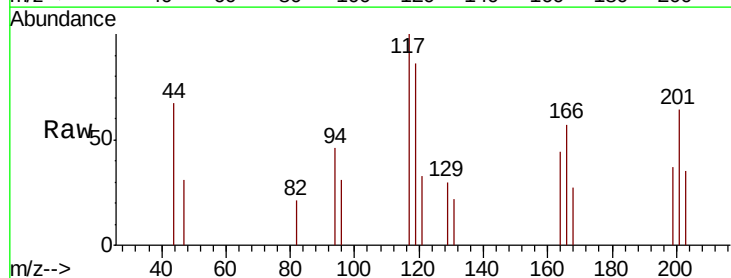
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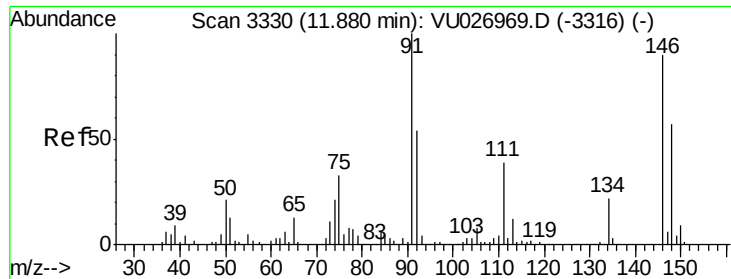
MMDadoda
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#90
Hexachloroethane
Concen: 1.255 ug/l
RT: 12.15 min Scan# 3414
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	36.8	110.3





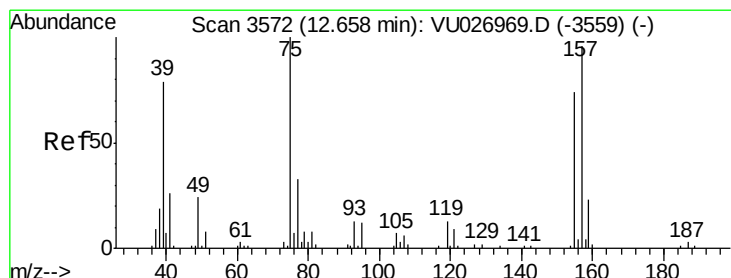
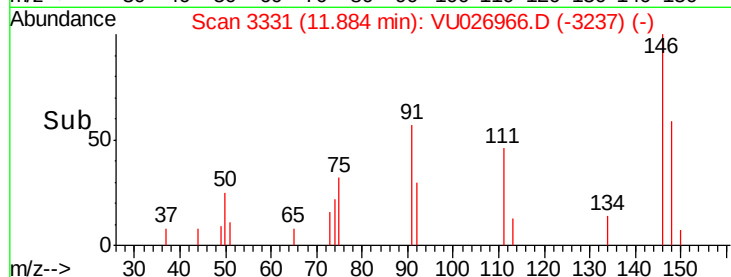
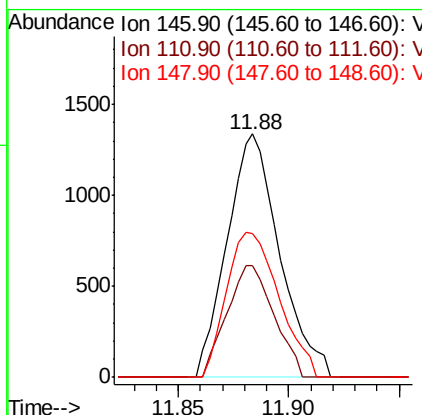
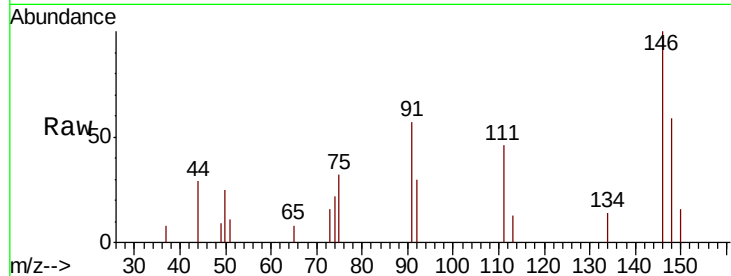
#91
 1,2-Dichlorobenzene
 Concen: 1.264 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.8	65.3
148	59.7	31.9	95.7

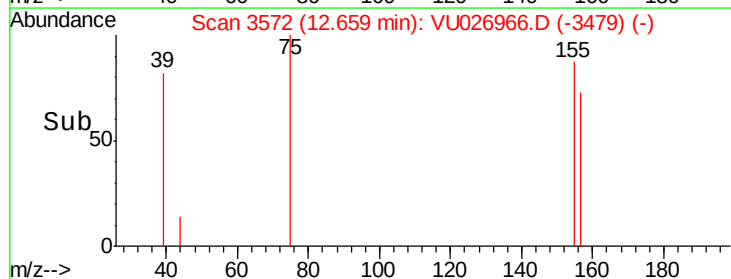
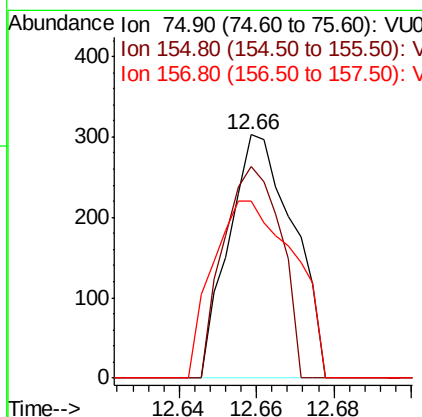
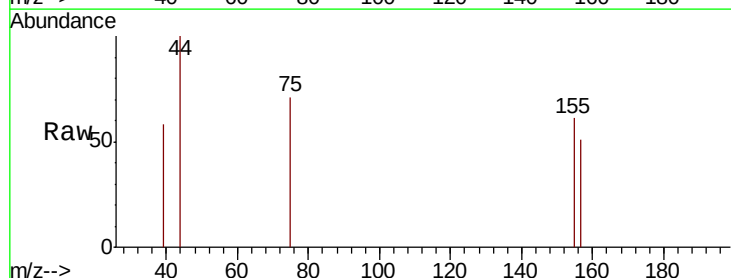
Manual Integrations
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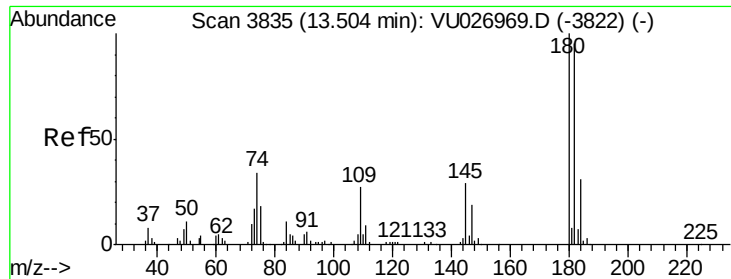
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.217 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	36.6	109.8
157	91.7	47.4	142.2





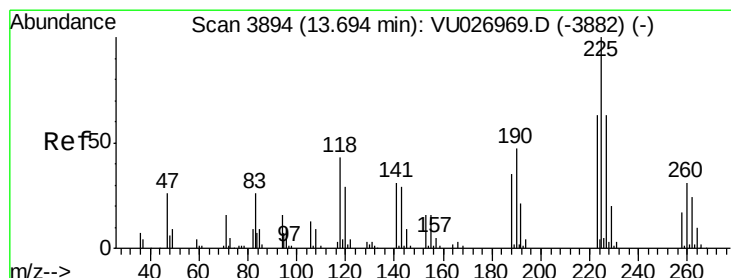
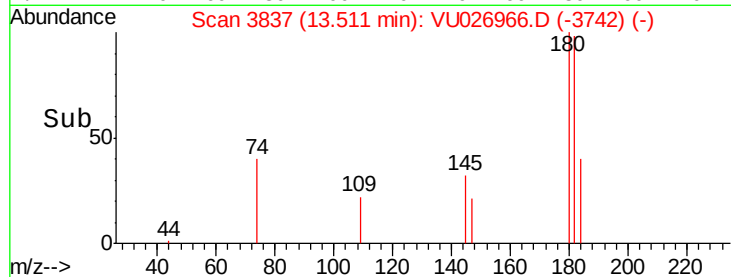
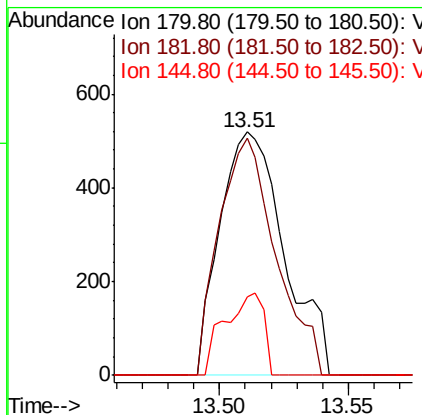
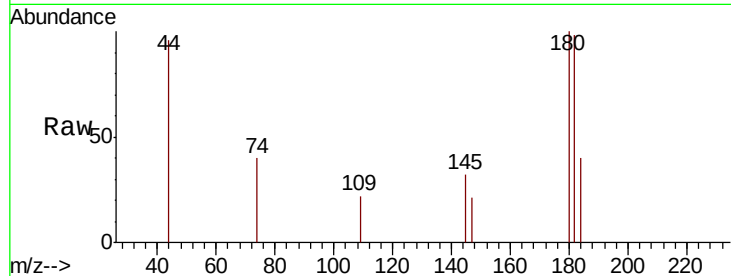
#93
 1,2,4-Trichlorobenzene
 Concen: 0.794 ug/l
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.9	47.4	142.2
145	20.2	14.9	44.5

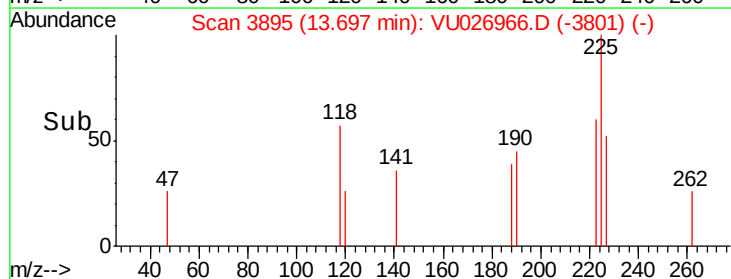
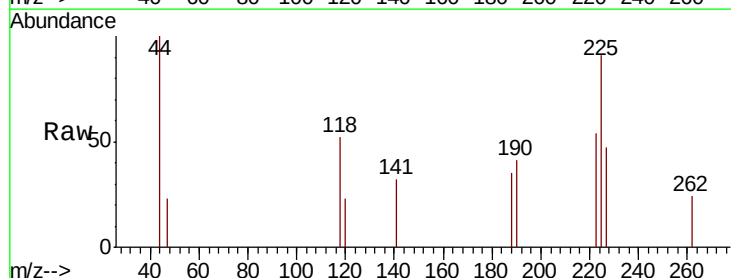
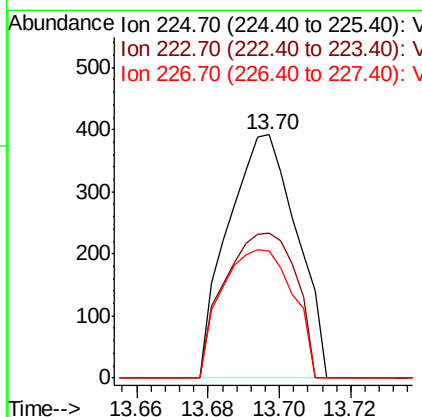
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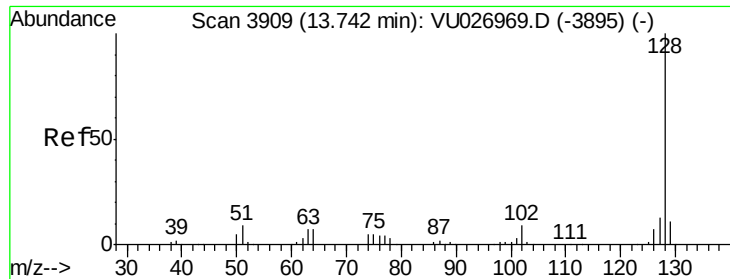
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#94
 Hexachlorobutadiene
 Concen: 0.889 ug/l
 RT: 13.70 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU026966.D
 Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.7
227	54.5	32.1	96.5





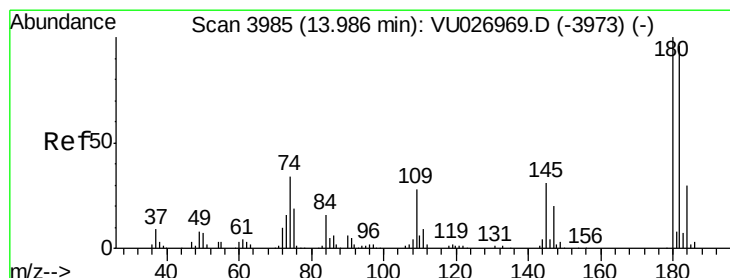
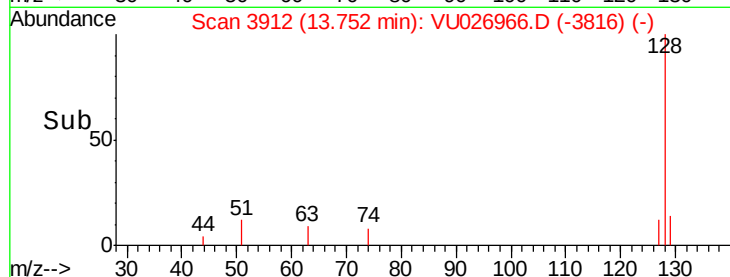
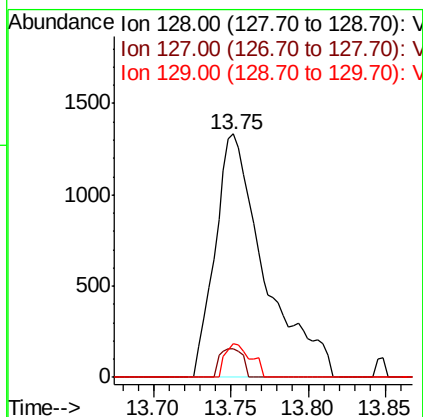
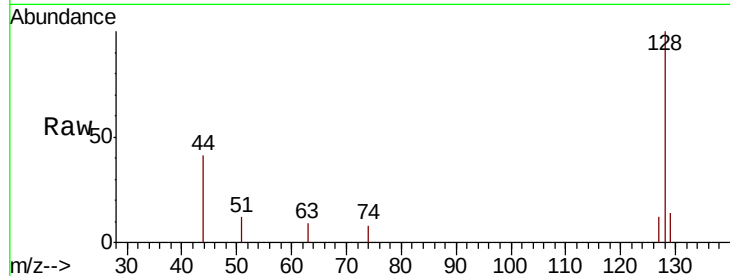
#95
Naphthalene
Concen: 0.839 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	5.5	10.6	15.8#
129	7.0	8.6	12.8#

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:14:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 0.855 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026966.D
Acq: 21 Sep 2018 14:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	47.5	142.5
145	23.0	15.4	46.4

