

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033972.D
 Acq On : 27 Aug 2019 14:19
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:57:37 AM

Quant Time: Aug 28 02:11:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 01:57:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	345635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	522736	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	502791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	245190	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	1.20	85	3618	0.923 ug/l	91
3) Chloromethane	1.32	50	6008	1.281 ug/l	99
4) Vinyl Chloride	1.40	62	3617	0.711 ug/l #	30
6) Chloroethane	1.69	64	2368	0.740 ug/l	91
7) Trichlorofluoromethane	1.87	101	4727	0.764 ug/l	89
8) Diethyl Ether	2.09	74	1954	0.745 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	2983	0.821 ug/l	98
12) 1,1-Dichloroethene	2.27	96	3253	0.872 ug/l	94
14) Allyl chloride	2.58	41	5608	0.835 ug/l	97
15) Acrylonitrile	2.93	53	9346	3.597 ug/l	99
16) Acetone	2.31	43	10688	3.817 ug/l	95
17) Carbon Disulfide	2.46	76	12233	0.998 ug/l	96
18) Methyl Acetate	2.61	43	4555	0.728 ug/l #	75
19) Methyl tert-butyl Ether	2.98	73	9752	0.820 ug/l	96
20) Methylene Chloride	2.68	84	4622	1.003 ug/l	95
21) trans-1,2-Dichloroethene	2.97	96	3659	0.891 ug/l	96
22) Diisopropyl ether	3.55	45	9440	0.744 ug/l #	61
23) Vinyl Acetate	3.51	43	37208	3.558 ug/l	96
24) 1,1-Dichloroethane	3.43	63	6138	0.780 ug/l	98
25) 2-Butanone	4.26	43	11820	3.271 ug/l	94
26) 2,2-Dichloropropane	4.20	77	5658	0.883 ug/l	96
27) cis-1,2-Dichloroethene	4.21	96	4075	0.922 ug/l	97
28) Bromochloromethane	4.52	49	3002	0.779 ug/l #	99
29) Tetrahydrofuran	4.63	42	7642	3.509 ug/l #	87
30) Chloroform	4.65	83	7238	0.921 ug/l	90
32) 1,1,1-Trichloroethane	4.89	97	5318	0.824 ug/l #	50
36) 1,1-Dichloropropene	5.12	75	5606	1.062 ug/l #	86
37) Ethyl Acetate	4.38	43	4705m	0.767 ug/l	
38) Carbon Tetrachloride	5.11	117	4937	0.929 ug/l	91
39) Methylcyclohexane	6.40	83	5544	0.943 ug/l	91
40) Benzene	5.37	78	14218	0.906 ug/l	99
41) Methacrylonitrile	4.55	41	2057m	0.669 ug/l	
42) 1,2-Dichloroethane	5.39	62	4880	0.850 ug/l	80
43) Isopropyl Acetate	5.53	43	6471	0.722 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	6.17	130	4129	0.996	ug/l	100
45) 1,2-Dichloropropane	6.41	63	3732	0.862	ug/l	98
46) Dibromomethane	6.54	93	2690	0.958	ug/l	97
47) Bromodichloromethane	6.74	83	4659	0.827	ug/l	92
48) Methyl methacrylate	6.62	41	2967	0.736	ug/l	95
49) 1,4-Dioxane	6.60	88	1551	16.301	ug/l #	14
51) 4-Methyl-2-Pentanone	7.44	43	22679	3.734	ug/l	94
52) Toluene	7.62	92	8232	0.898	ug/l	92
53) t-1,3-Dichloropropene	7.87	75	5147	0.882	ug/l	99
54) cis-1,3-Dichloropropene	7.26	75	5316	0.817	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	3878	0.964	ug/l	91
56) Ethyl methacrylate	8.01	69	3989	0.730	ug/l	99
57) 1,3-Dichloropropane	8.23	76	6043	0.869	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.12	63	8074	4.141	ug/l	92
59) 2-Hexanone	8.36	43	17197	3.713	ug/l	86
60) Dibromochloromethane	8.46	129	4037	0.951	ug/l	96
61) 1,2-Dibromoethane	8.57	107	3828	0.916	ug/l	99
64) Tetrachloroethene	8.21	164	4242	1.143	ug/l	96
65) Chlorobenzene	9.10	112	10332	0.996	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	3687	0.957	ug/l #	59
67) Ethyl Benzene	9.23	91	16628	0.981	ug/l	96
68) m/p-Xylenes	9.36	106	12116	1.932	ug/l	100
69) o-Xylene	9.77	106	5626	0.938	ug/l	96
70) Styrene	9.78	104	8833	0.852	ug/l	94
71) Bromoform	9.95	173	3080	0.946	ug/l #	98
73) Isopropylbenzene	10.15	105	14694	0.972	ug/l	97
74) N-amyl acetate	10.01	43	4992	0.786	ug/l	93
75) 1,1,2,2-Tetrachloroethane	10.44	83	6124	0.968	ug/l	95
76) 1,2,3-Trichloropropane	10.48	75	4761m	0.854	ug/l	
77) Bromobenzene	10.44	156	4565	1.119	ug/l	99
78) n-propylbenzene	10.57	91	16581	0.927	ug/l	97
79) 2-Chlorotoluene	10.65	91	10354	0.965	ug/l	97
80) 1,3,5-Trimethylbenzene	10.76	105	11991	0.927	ug/l	96
82) 4-Chlorotoluene	10.76	91	12374	0.983	ug/l	98
83) tert-Butylbenzene	11.08	119	12159	1.004	ug/l	96
84) 1,2,4-Trimethylbenzene	11.13	105	10964	0.872	ug/l	100
85) sec-Butylbenzene	11.31	105	13921	0.920	ug/l	100
86) p-Isopropyltoluene	11.46	119	12489	0.906	ug/l	93
87) 1,3-Dichlorobenzene	11.40	146	8380	1.090	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	9032m	1.137	ug/l	
89) n-Butylbenzene	11.88	91	10433	0.848	ug/l	92
90) Hexachloroethane	12.13	117	2404	0.906	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	8441	1.144	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.65	75	924	0.710	ug/l	83
93) 1,2,4-Trichlorobenzene	13.50	180	3448	0.774	ug/l	76
94) Hexachlorobutadiene	13.67	225	3480	1.241	ug/l	94
95) Naphthalene	13.74	128	8675m	0.712	ug/l	
96) 1,2,3-Trichlorobenzene	13.99	180	4502m	1.006	ug/l	

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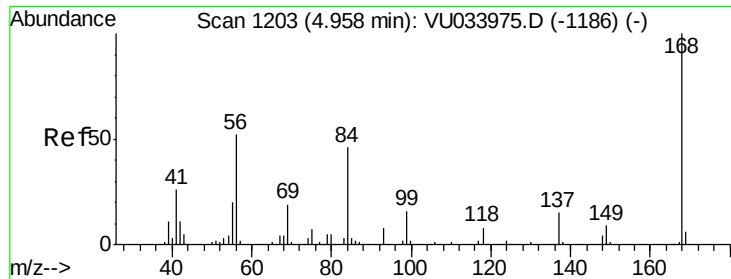
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 345635

Ion Ratio Lower Upper

168 100

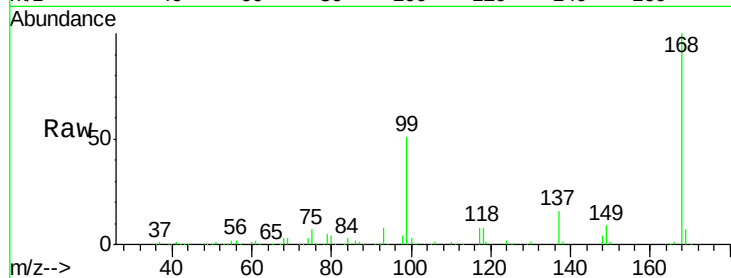
99 50.2 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU033972.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033972.D (-1186) (-)

4.96

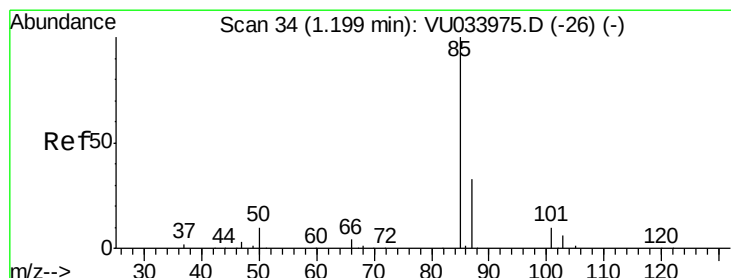
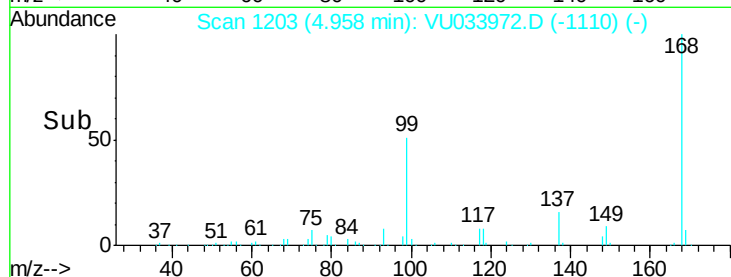
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.923 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033972.D

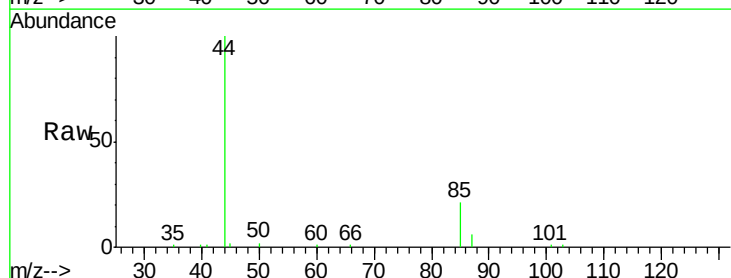
Acq: 27 Aug 2019 14:19

Tgt Ion: 85 Resp: 3618

Ion Ratio Lower Upper

85 100

87 27.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VU033972.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU033972.D (-1) (-)

1.20

4000

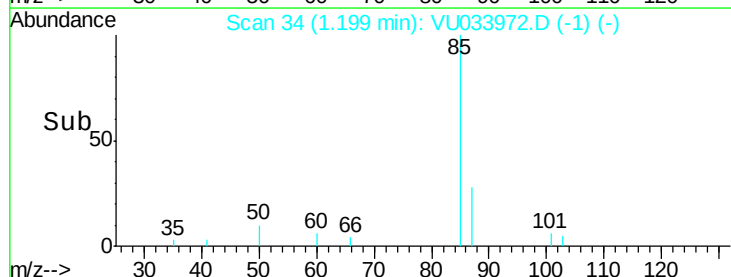
3000

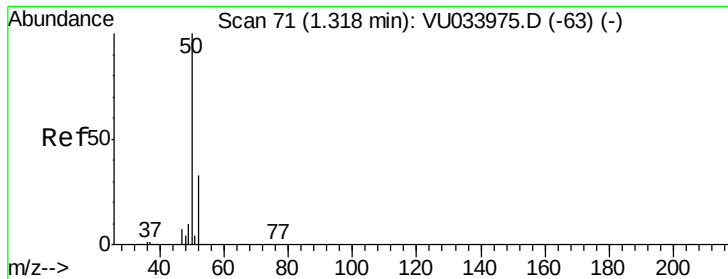
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.281 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 6008

Ion Ratio Lower Upper

50 100

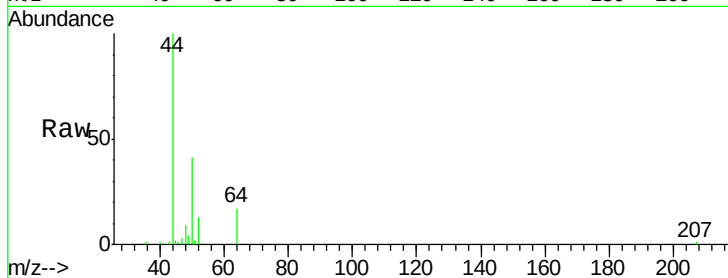
52 32.4 26.2 39.2

Manual Integrations

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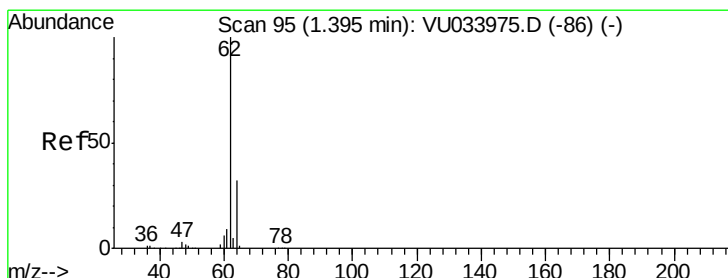
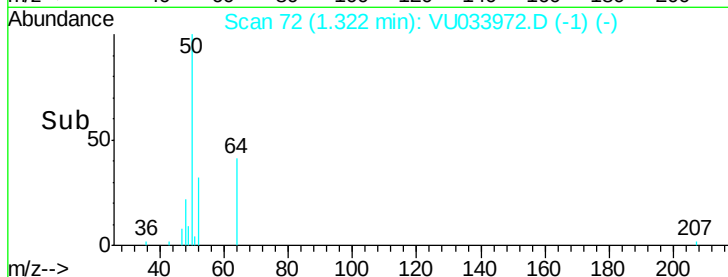
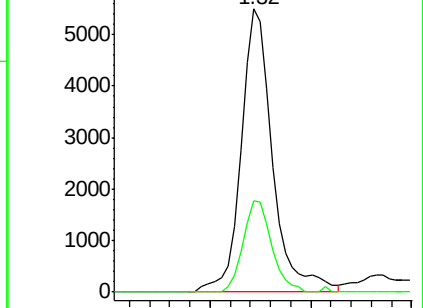
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Abundance Ion 49.90 (49.60 to 50.60): VU033972.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU033972.D (-1) (-)



#4

Vinyl Chloride

Concen: 0.711 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033972.D

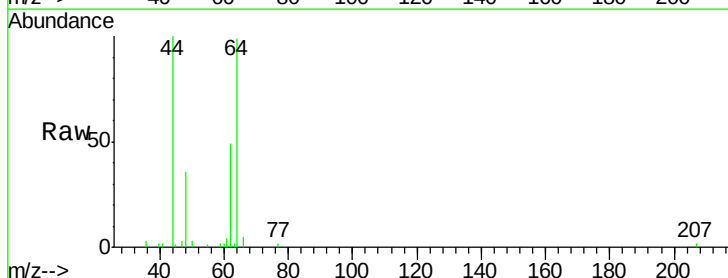
Acq: 27 Aug 2019 14:19

Tgt Ion: 62 Resp: 3617

Ion Ratio Lower Upper

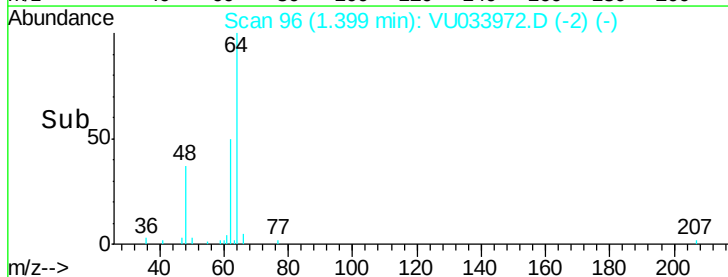
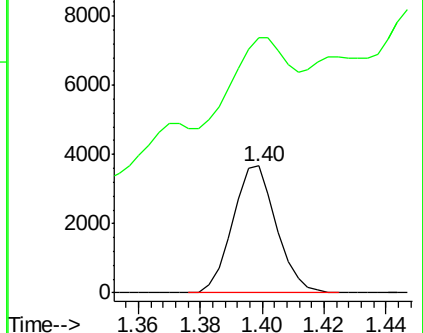
62 100

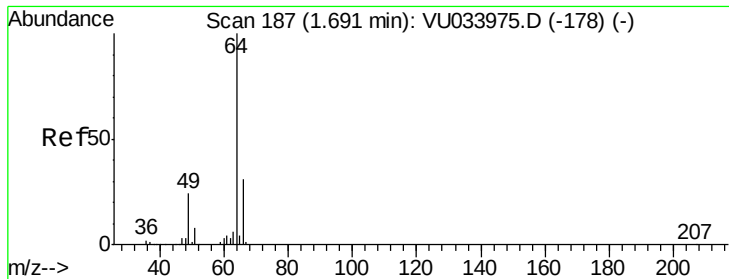
64 71.7 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VU033972.D (-2) (-)

Ion 63.90 (63.60 to 64.60): VU033972.D (-2) (-)





#6

Chloroethane

Concen: 0.740 ug/l

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 2368

Ion Ratio Lower Upper

64 100

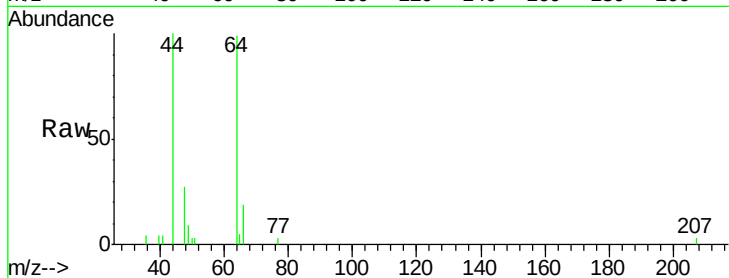
66 36.1 24.9 37.3

Manual Integrations

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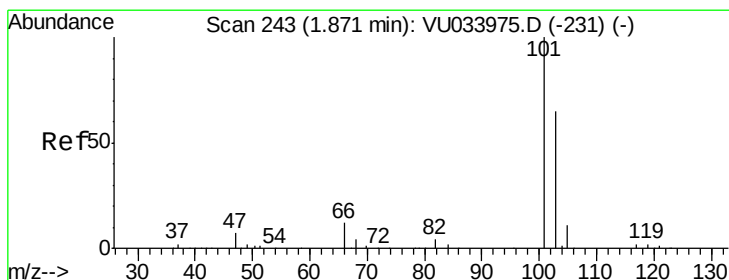
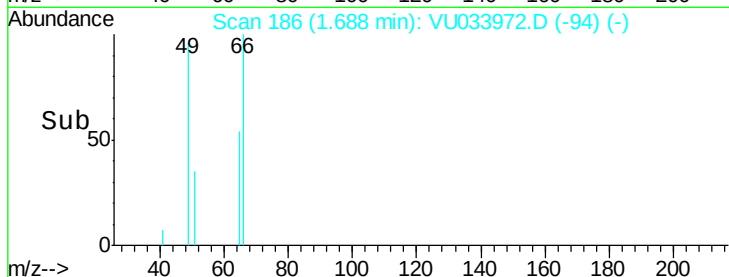
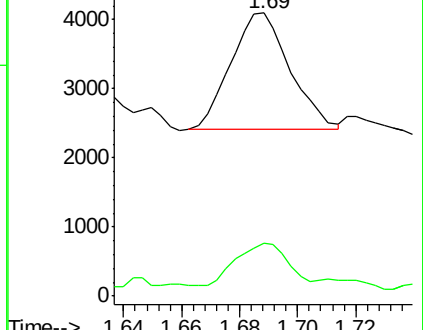
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Abundance Ion 63.90 (63.60 to 64.60): VU033975.D (-178) (-)

Ion 65.90 (65.60 to 66.60): VU033975.D (-178) (-)



#7

Trichlorofluoromethane

Concen: 0.764 ug/l

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033972.D

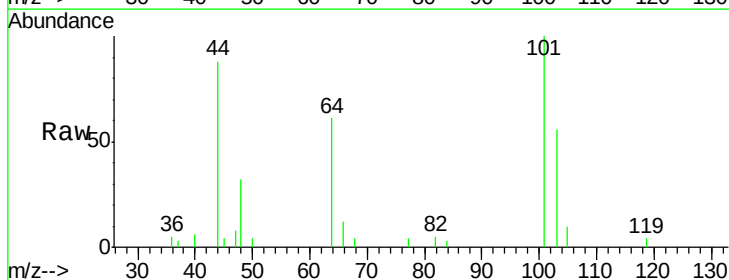
Acq: 27 Aug 2019 14:19

Tgt Ion: 101 Resp: 4727

Ion Ratio Lower Upper

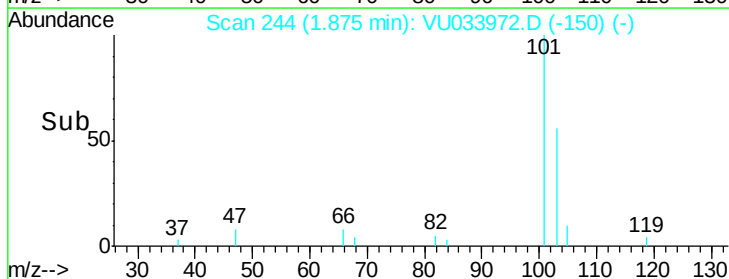
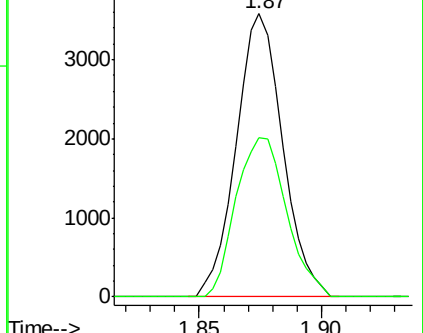
101 100

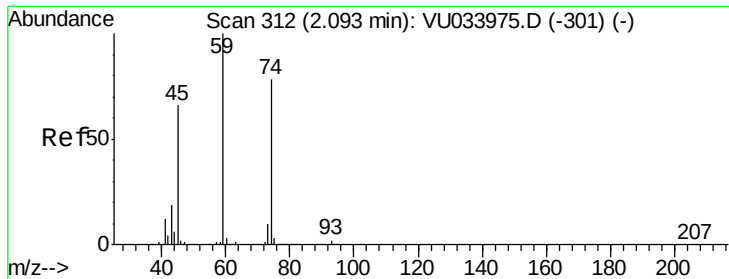
103 56.4 52.0 78.0



Abundance Ion 100.90 (100.60 to 101.60): VU033975.D (-231) (-)

Ion 102.80 (102.50 to 103.50): VU033975.D (-231) (-)





#8

Diethyl Ether

Concen: 0.745 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

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Acq: 27 Aug 2019 14:19

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VSTDIC001

Tot Ion: 74 Resp: 1954

Ion Ratio Lower Upper

74 100

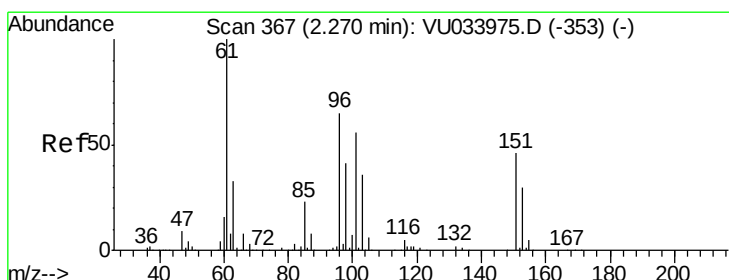
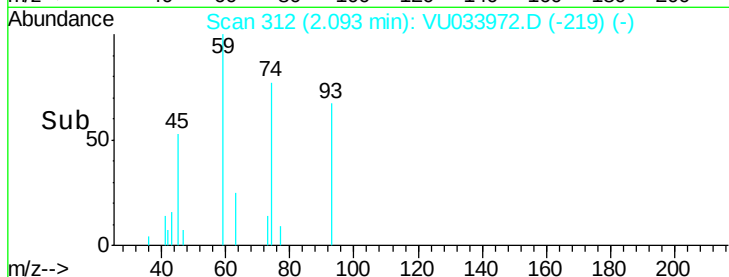
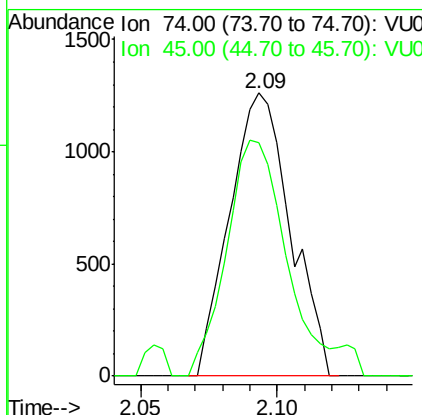
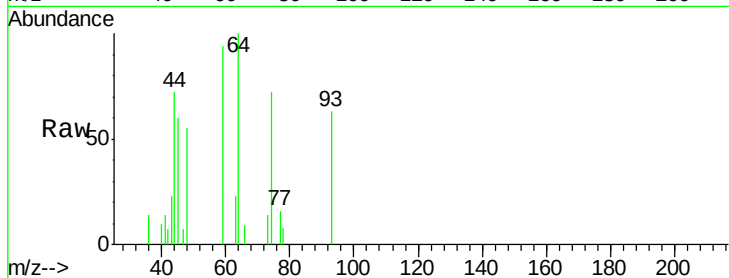
45 84.9 42.8 128.4

Manual Integrations

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.821 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.01 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

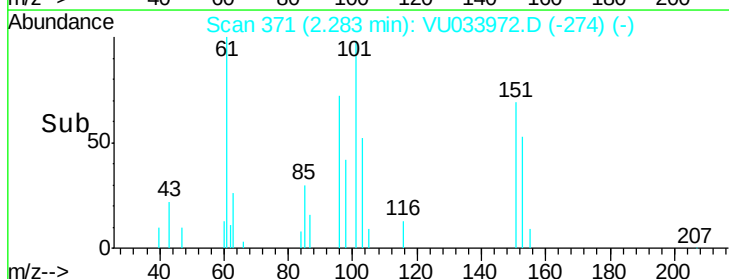
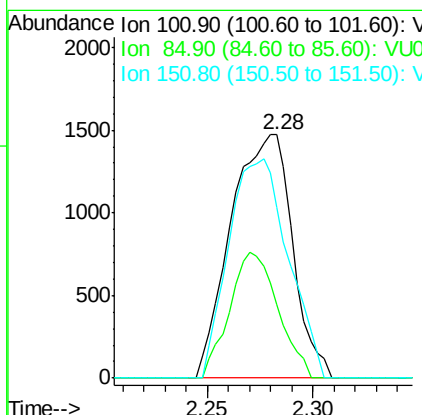
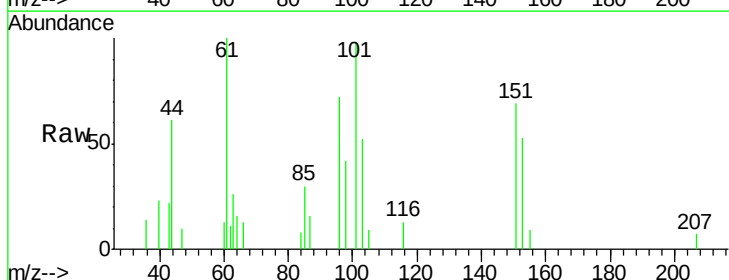
Tgt Ion: 101 Resp: 2983

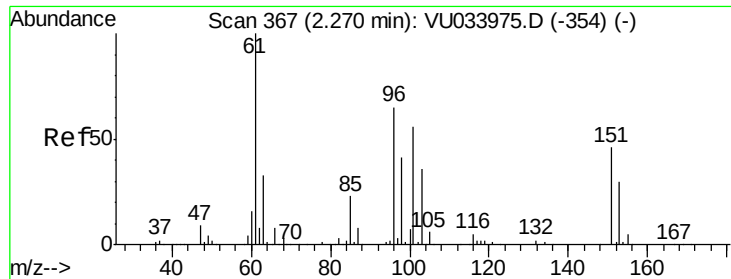
Ion Ratio Lower Upper

101 100

85 40.6 33.4 50.0

151 87.0 67.6 101.4





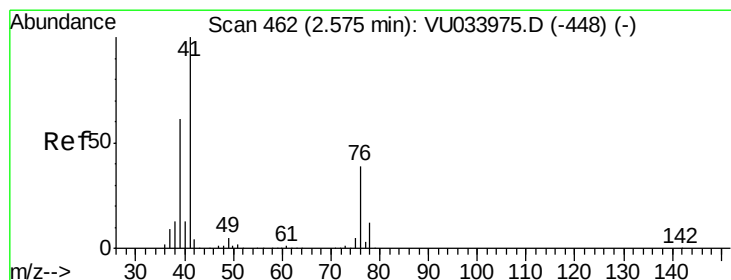
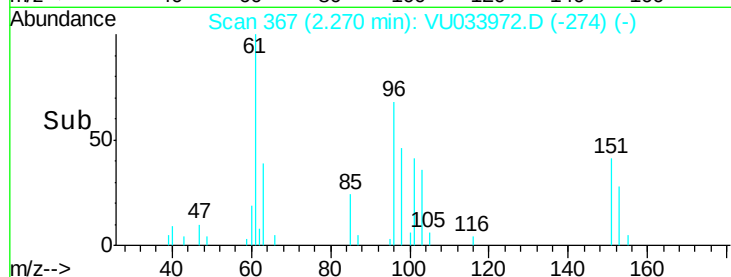
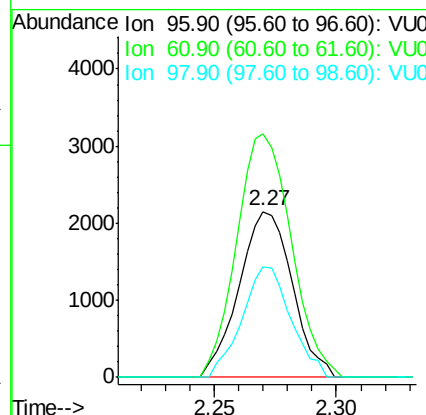
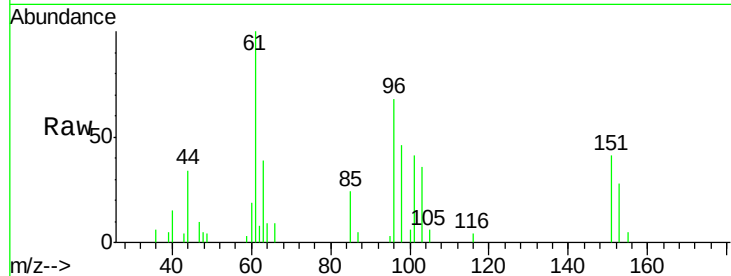
#12
 1,1-Dichloroethene
 Concen: 0.872 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
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 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	123.3	184.9
98	66.9	50.5	75.7

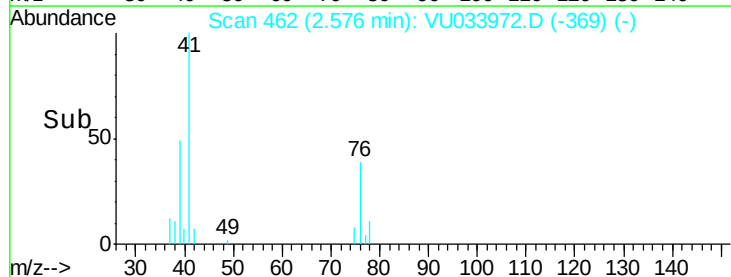
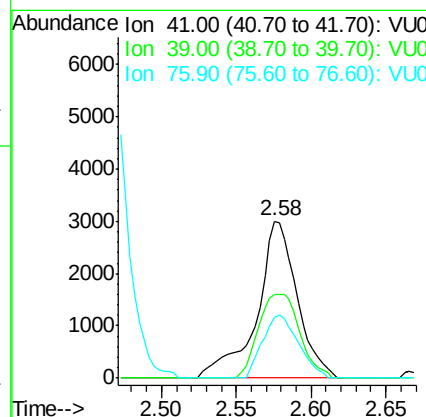
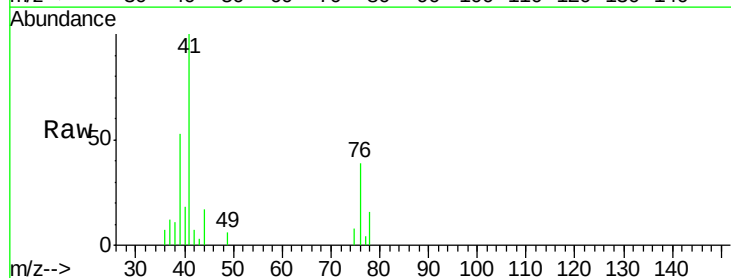
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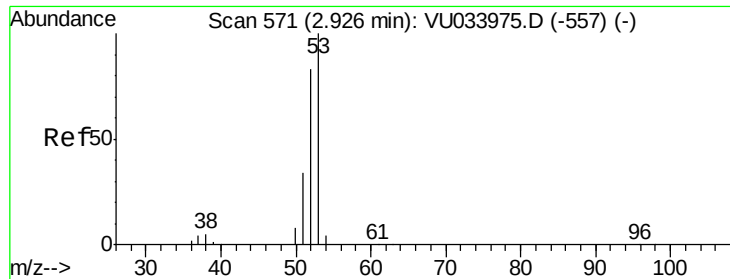
MMDadoda
 8/28/2019 9:57:37 AM



#14
 Allyl chloride
 Concen: 0.835 ug/l
 RT: 2.58 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.7	45.9	68.9
76	35.9	29.4	44.2





#15

Acrylonitrile

Concen: 3.597 ug/l

RT: 2.93 min Scan# 571

Delta R.T. 0.00 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

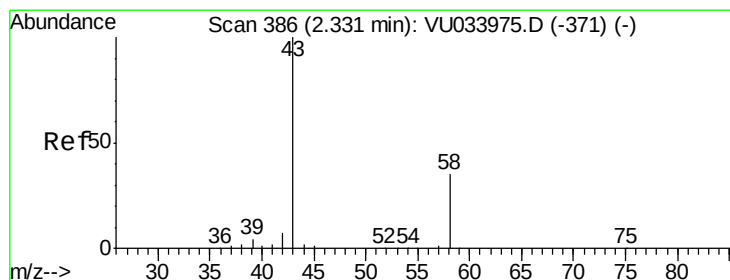
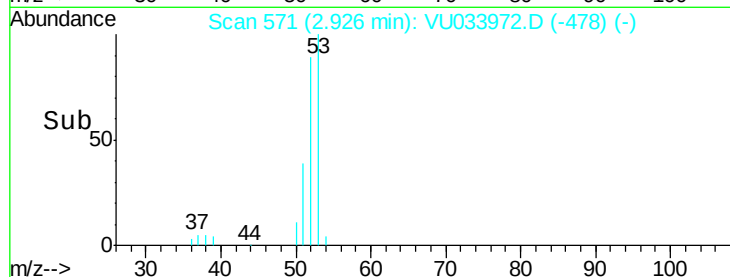
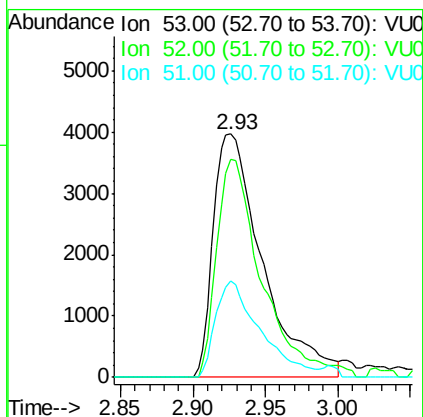
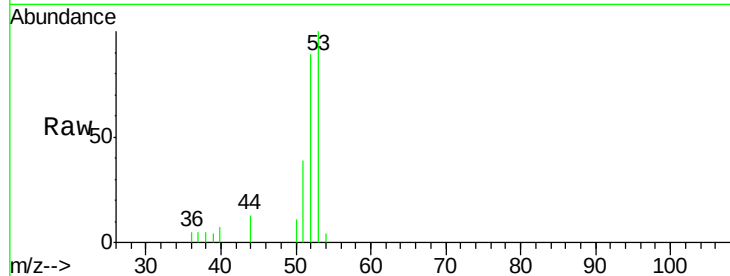
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	9346
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.7	100.1
51	35.7	27.5	41.3

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#16

Acetone

Concen: 3.817 ug/l

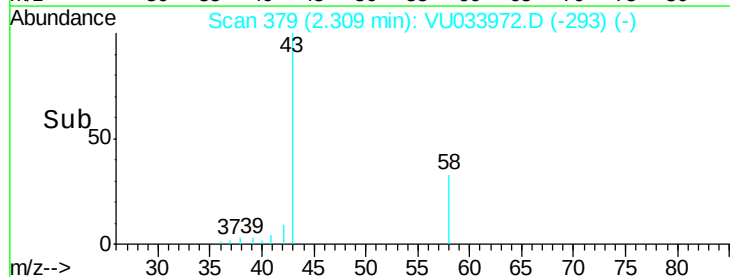
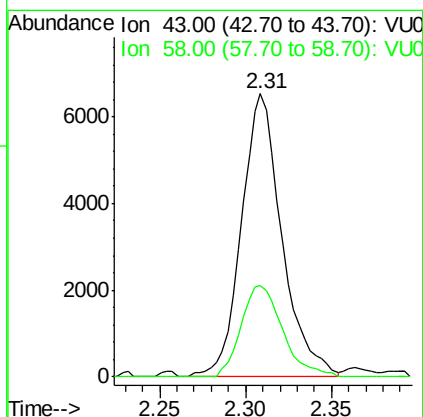
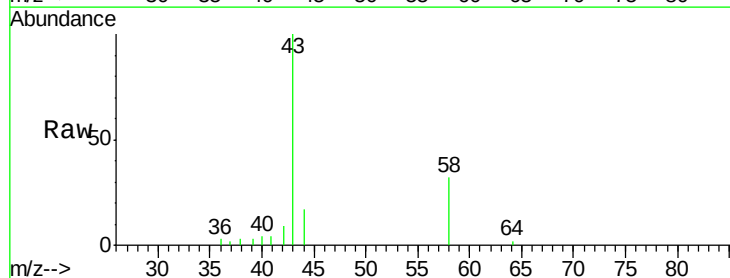
RT: 2.31 min Scan# 379

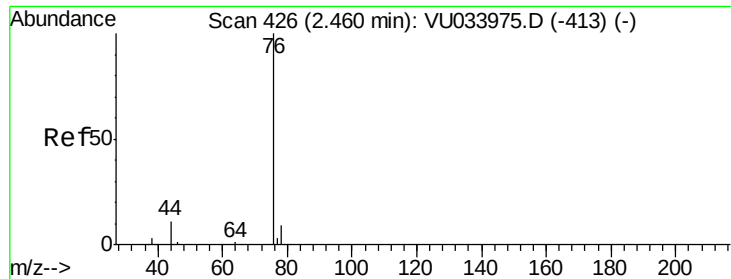
Delta R.T. -0.02 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Tgt Ion:	43	Resp:	10688
Ion	Ratio	Lower	Upper
43	100		
58	32.1	28.0	42.0





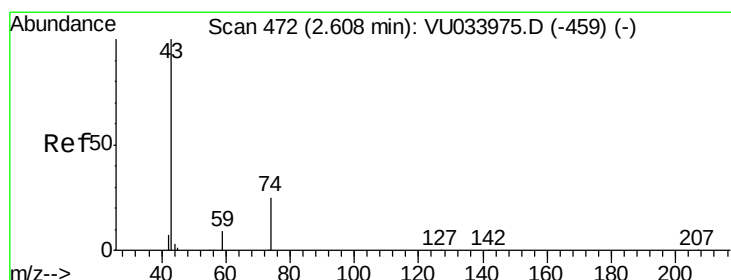
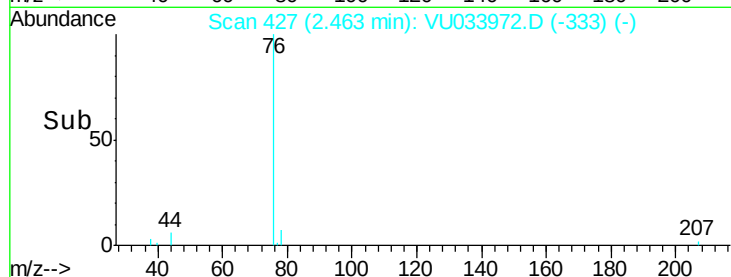
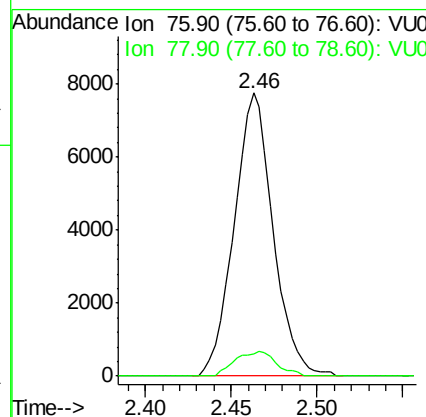
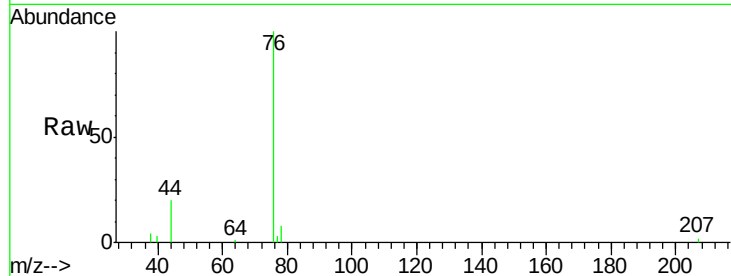
#17
Carbon Disulfide
Concen: 0.998 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.5	11.3

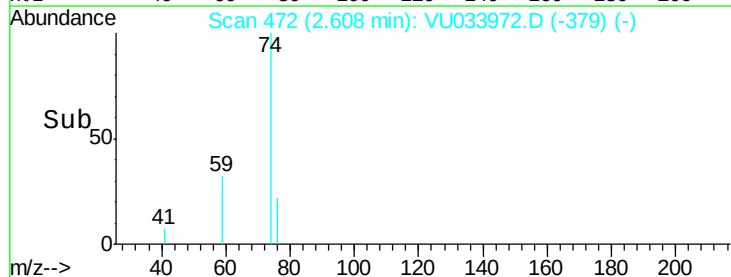
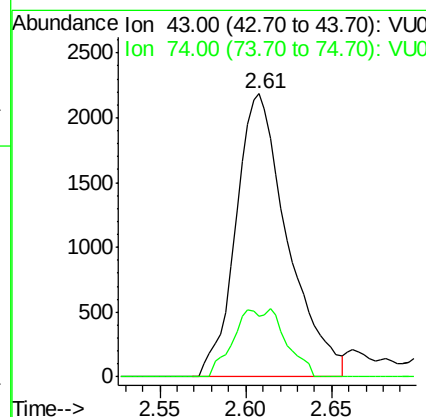
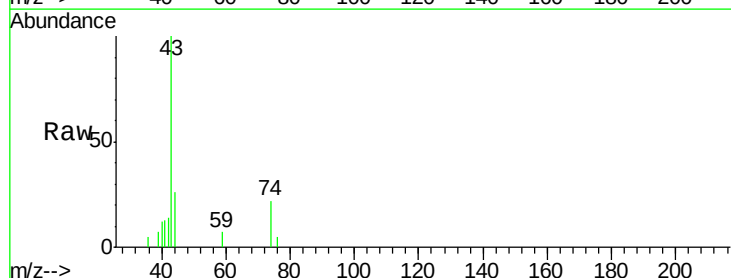
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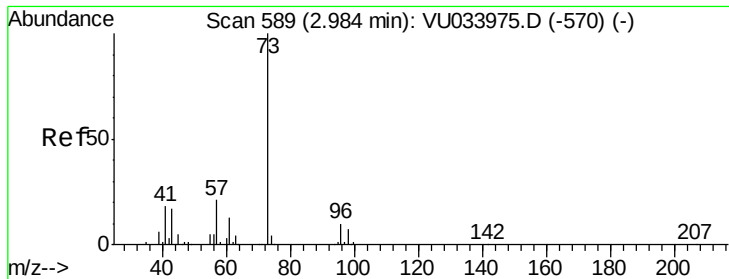
MMDadoda
8/28/2019 9:57:37 AM



#18
Methyl Acetate
Concen: 0.728 ug/l
RT: 2.61 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.7	20.5	30.7#





#19

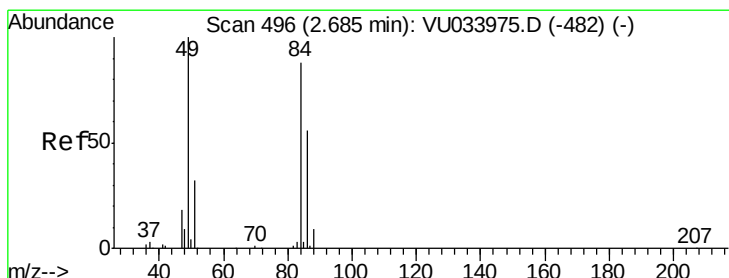
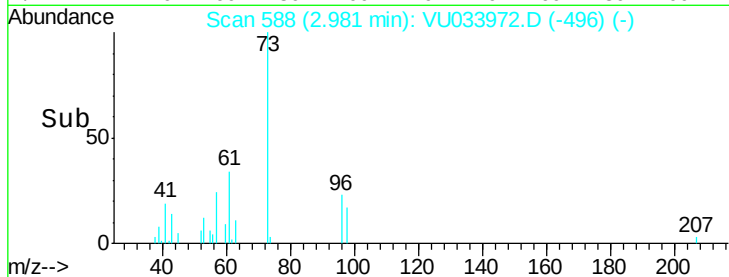
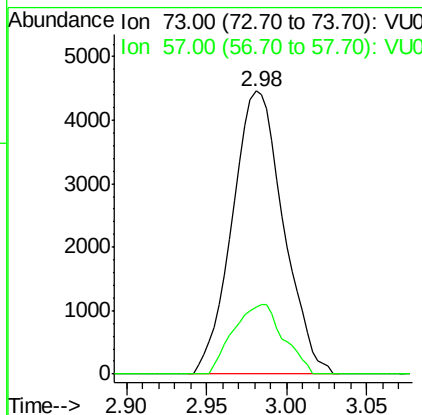
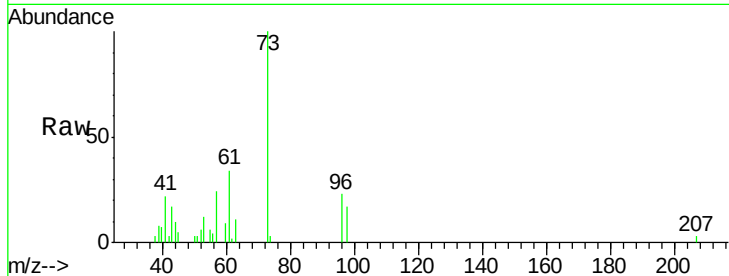
Methyl tert-butyl Ether
 Concen: 0.820 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.5	26.3

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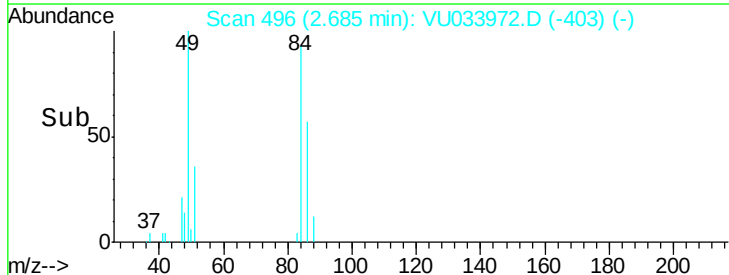
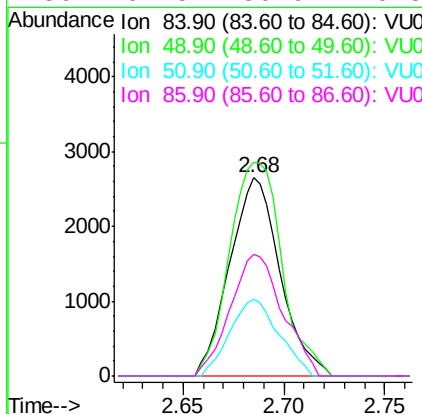
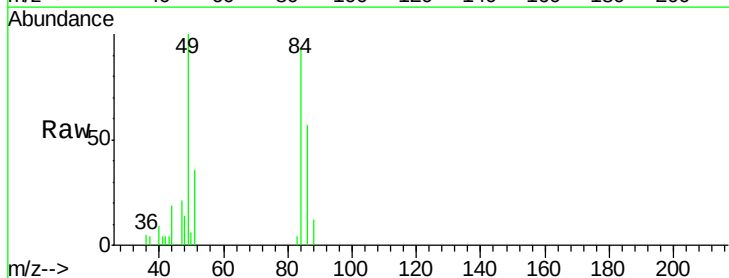
MMDadoda
 8/28/2019 9:57:37 AM

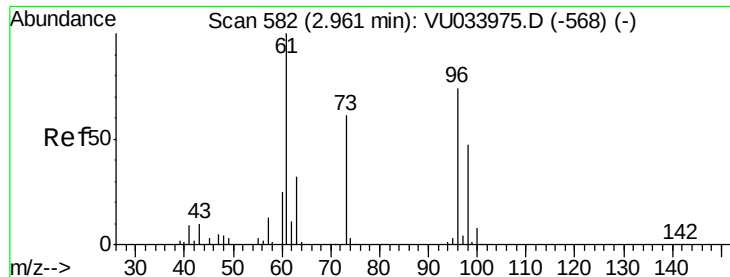


#20

Methylene Chloride
 Concen: 1.003 ug/l
 RT: 2.68 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.0	91.3	136.9
51	38.8	28.9	43.3
86	61.5	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 0.891 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 3659

Ion Ratio Lower Upper

96 100

61 138.7 108.2 162.2

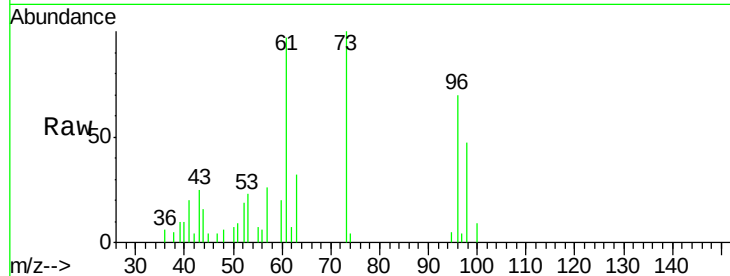
98 67.0 50.3 75.5

Manual Integrations

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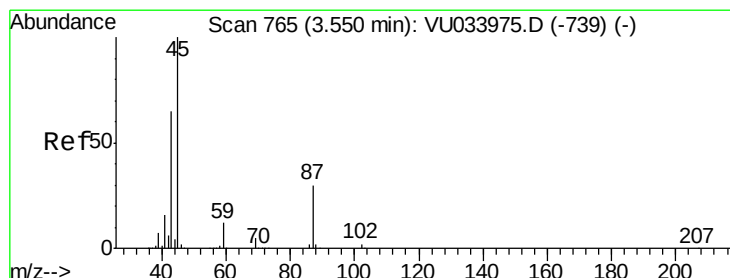
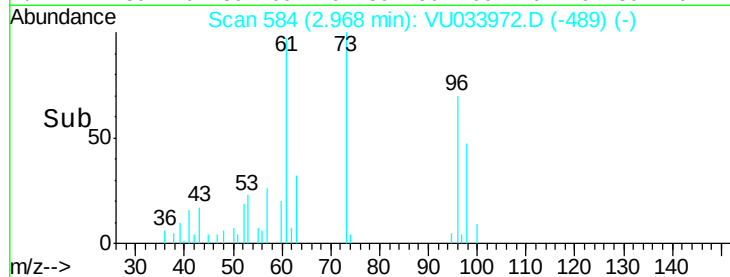
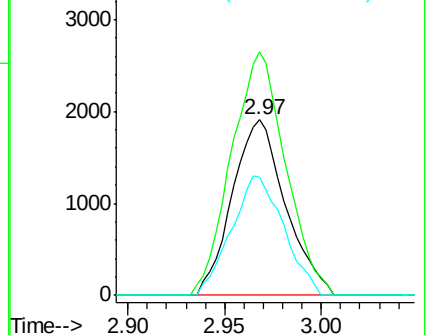
8/28/2019 9:57:37 AM



Abundance Ion 95.90 (95.60 to 96.60): VU033972.D (-568) (-)

Ion 60.90 (60.60 to 61.60): VU033972.D (-568) (-)

Ion 97.90 (97.60 to 98.60): VU033972.D (-568) (-)



#22

Diisopropyl ether

Concen: 0.744 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Tgt Ion: 45 Resp: 9440

Ion Ratio Lower Upper

45 100

43 113.2 51.6 77.4#

87 32.8 24.4 36.6

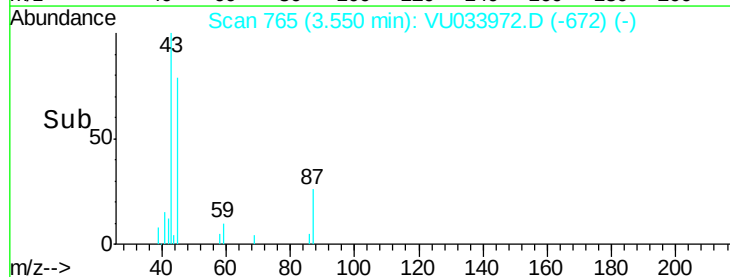
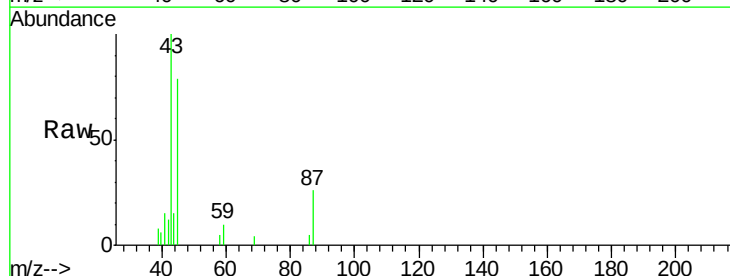
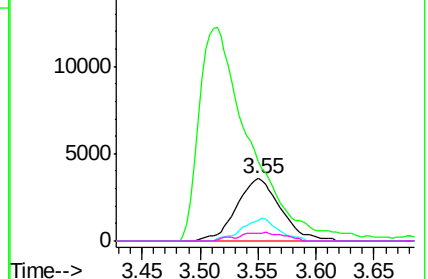
59 12.7 9.8 14.6

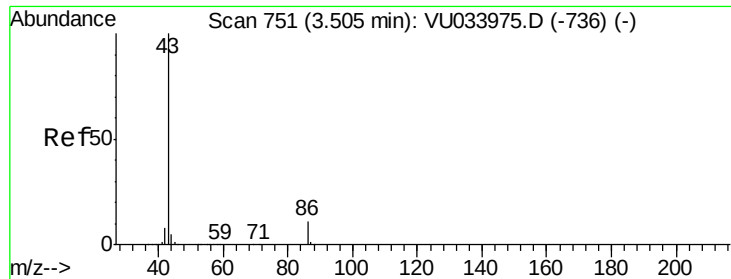
Abundance Ion 45.00 (44.70 to 45.70): VU033972.D (-739) (-)

Ion 43.00 (42.70 to 43.70): VU033972.D (-739) (-)

Ion 87.00 (86.70 to 87.70): VU033972.D (-739) (-)

Ion 59.00 (58.70 to 59.70): VU033972.D (-739) (-)





#23

Vinyl Acetate

Concen: 3.558 ug/l

RT: 3.51 min Scan# 754

Delta R.T. 0.01 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Tot Ion: 43 Resp: 37208

Ion Ratio Lower Upper

43 100

86 13.0 9.1 13.7

Instrument :

MSVOA_U

ClientSampleId :

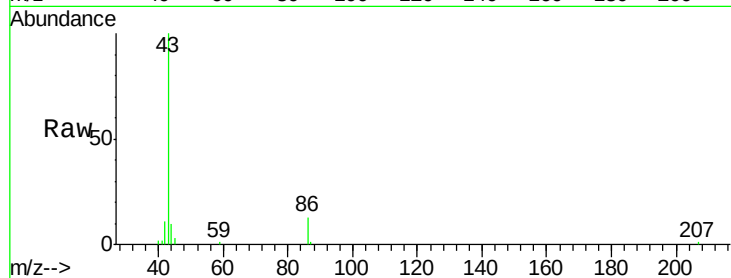
VSTDIC001

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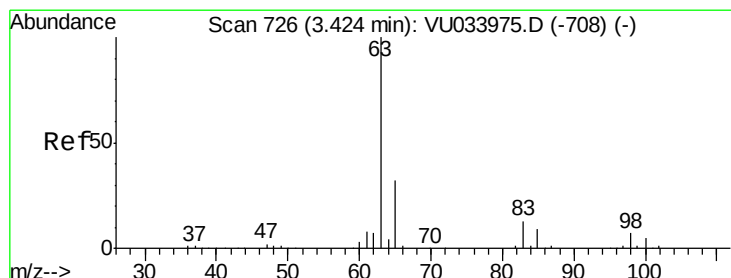
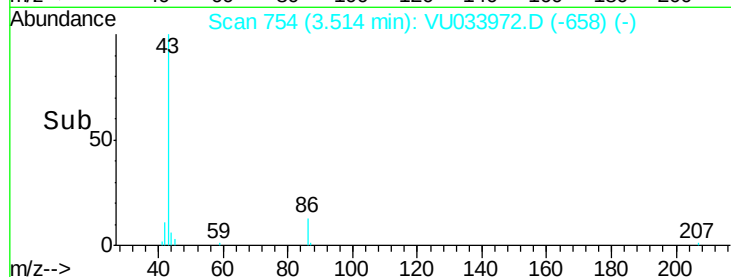
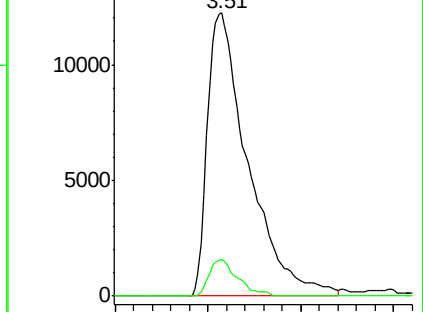
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Abundance Ion 43.00 (42.70 to 43.70): VU033972.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU033972.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 0.780 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

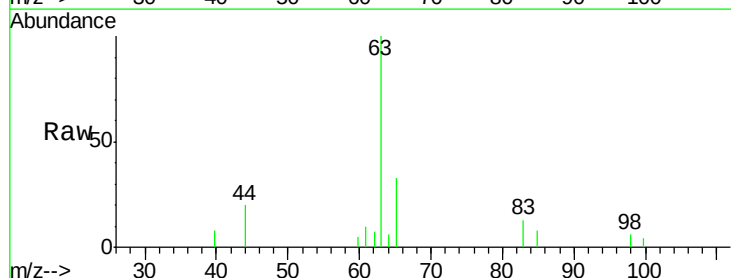
Tgt Ion: 63 Resp: 6138

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

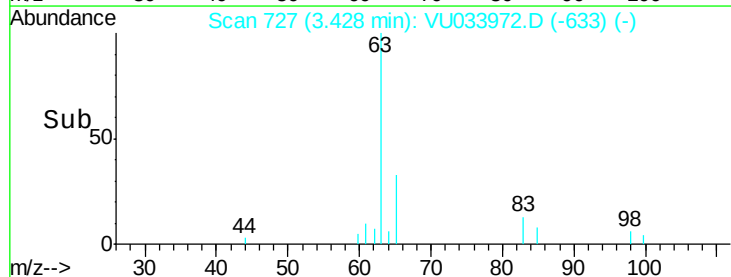
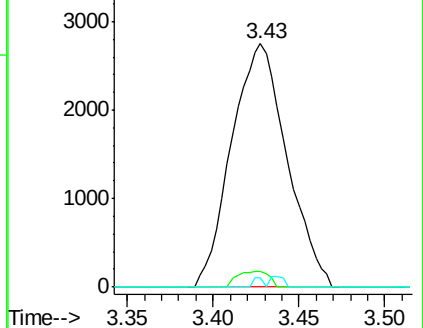
100 4.0 2.3 6.8

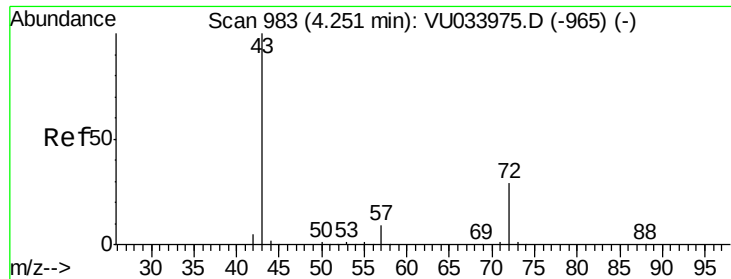


Abundance Ion 62.90 (62.60 to 63.60): VU033972.D (-633) (-)

Ion 97.90 (97.60 to 98.60): VU033972.D (-633) (-)

Ion 99.90 (99.60 to 100.60): VU033972.D (-633) (-)





#25

2-Butanone

Concen: 3.271 ug/l

RT: 4.26 min Scan# 986

Delta R.T. 0.01 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 11820

Ion Ratio Lower Upper

43 100

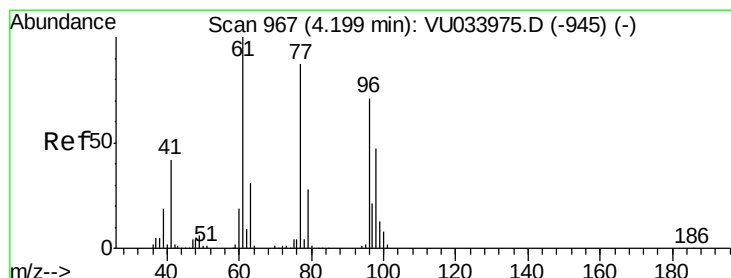
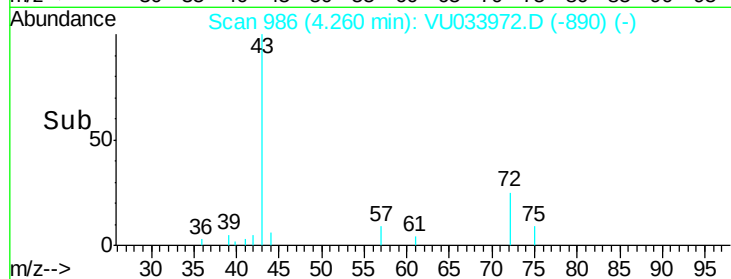
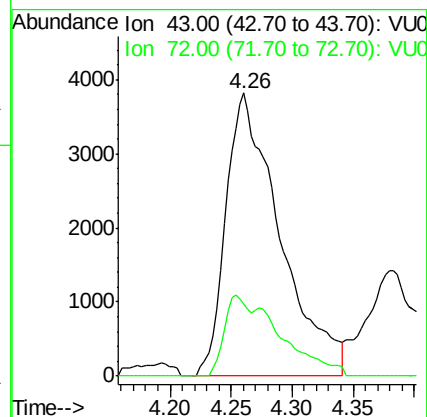
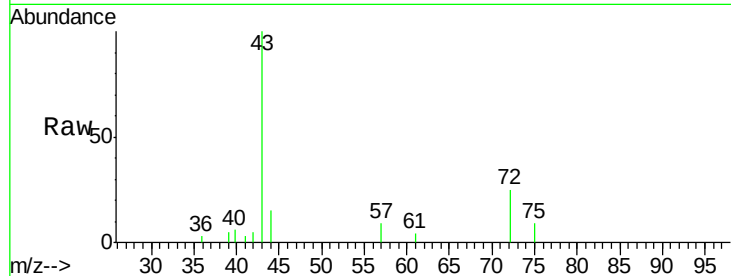
72 25.4 22.9 34.3

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#26

2,2-Dichloropropane

Concen: 0.883 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU033972.D

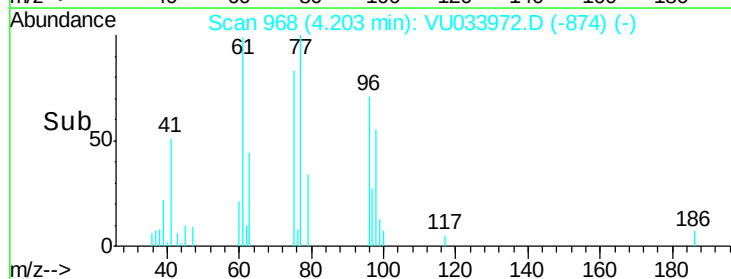
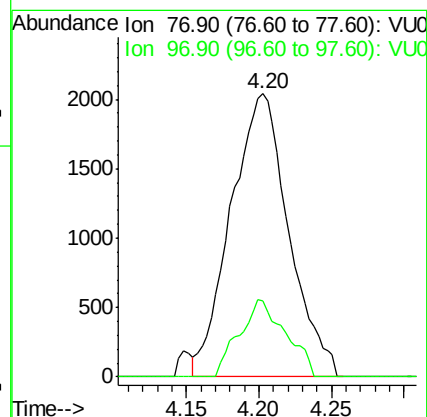
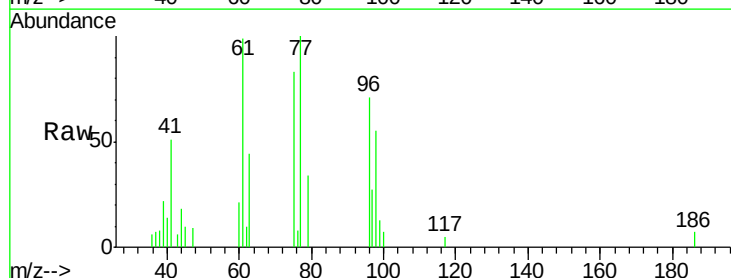
Acq: 27 Aug 2019 14:19

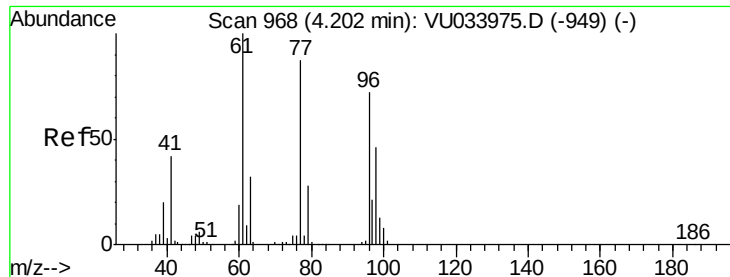
Tgt Ion: 77 Resp: 5658

Ion Ratio Lower Upper

77 100

97 21.8 12.0 36.0





#27

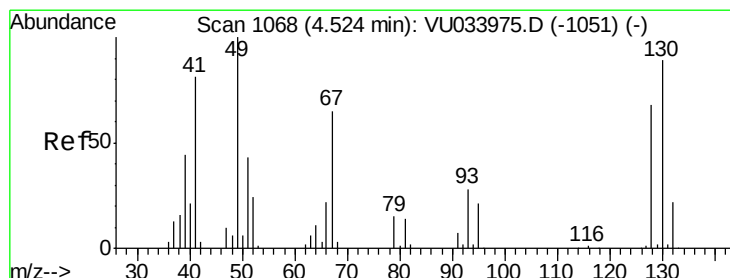
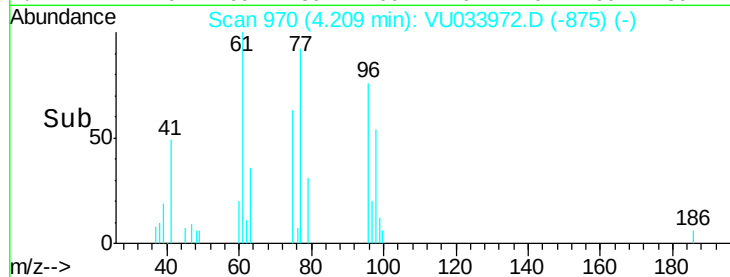
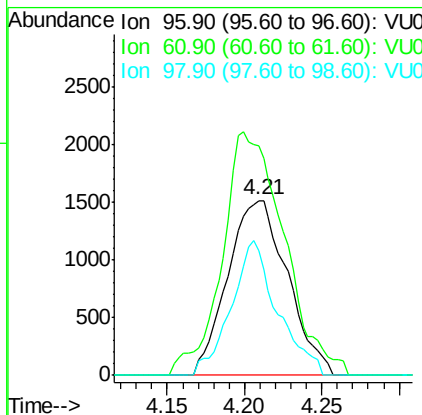
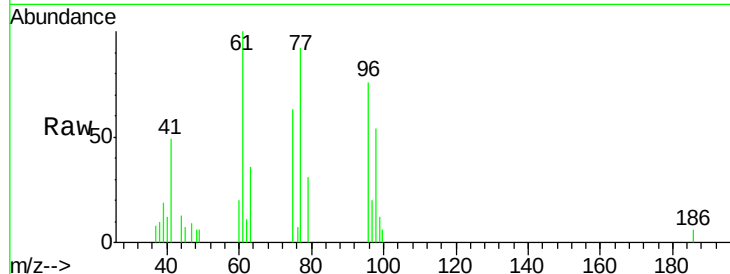
cis-1,2-Dichloroethene
 Concen: 0.922 ug/l
 RT: 4.21 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	287.2
98	59.6	0.0	131.8

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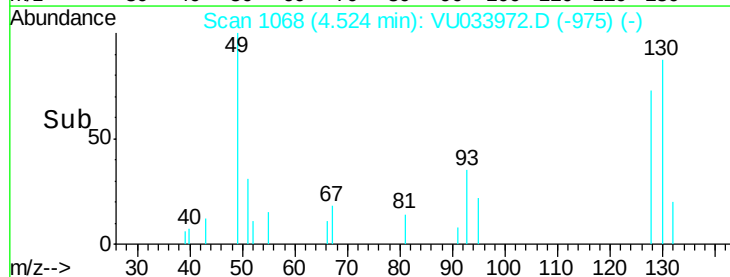
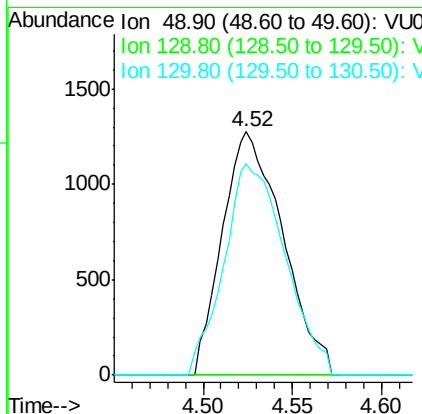
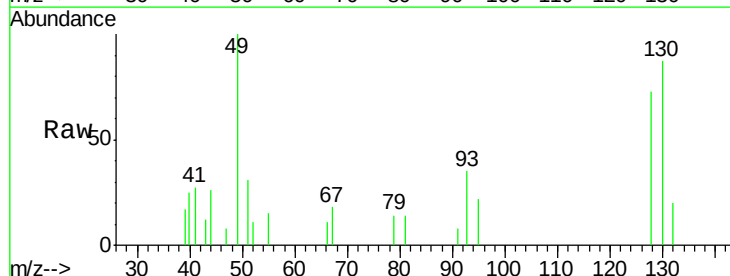
MMDadoda
 8/28/2019 9:57:37 AM

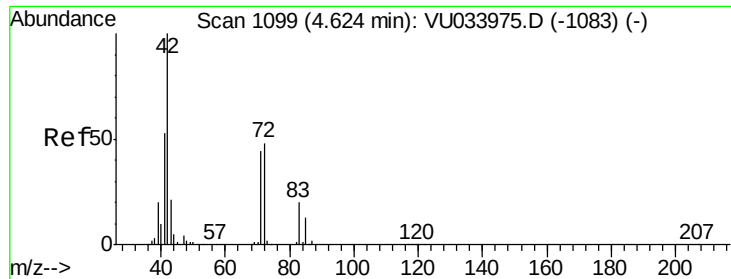


#28

Bromochloromethane
 Concen: 0.779 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	88.3	71.0	106.6





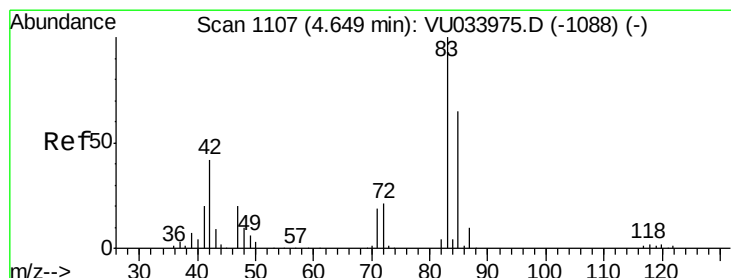
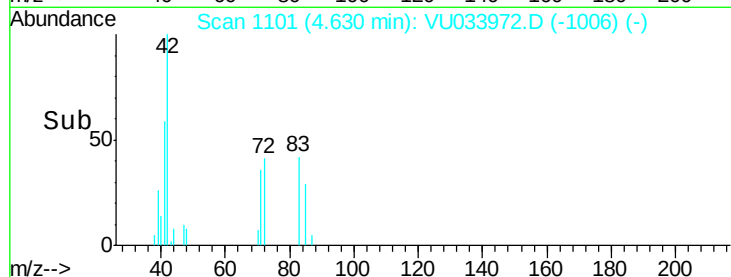
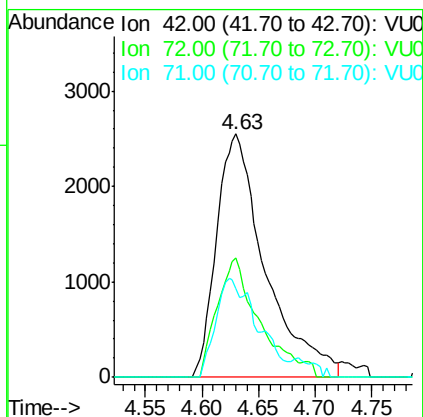
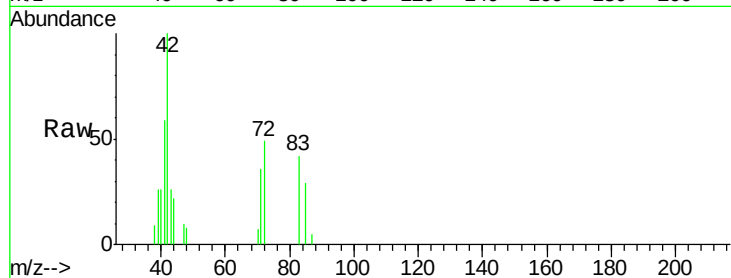
#29
Tetrahydrofuran
Concen: 3.509 ug/l
RT: 4.63 min Scan# 1101
Delta R.T. 0.01 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	38.9	58.3
71	34.9	35.7	53.5#

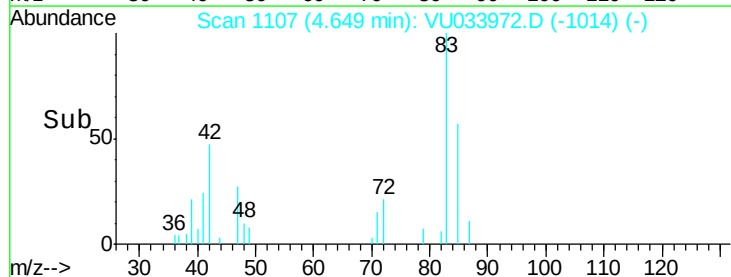
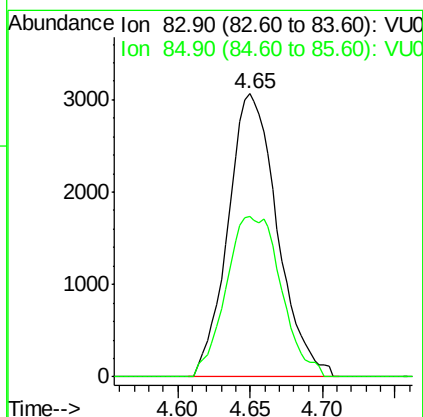
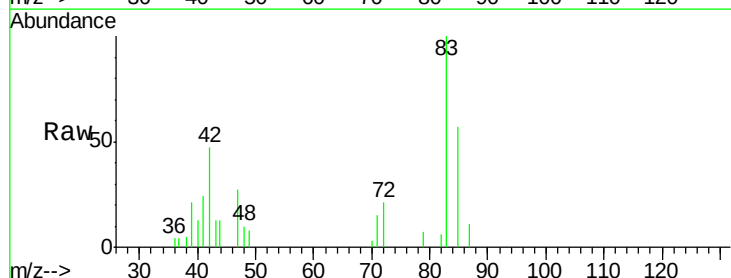
Manual Integrations
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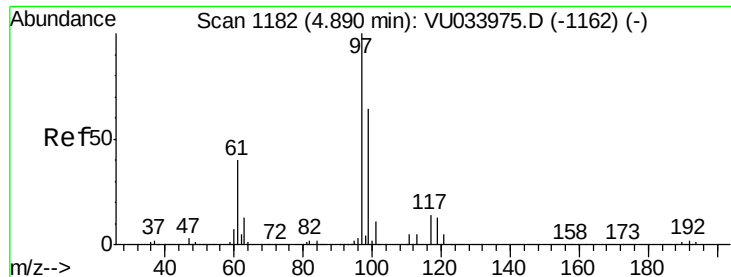
MMDadoda
8/28/2019 9:57:37 AM



#30
Chloroform
Concen: 0.921 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.8	52.1	78.1





#32

1,1,1-Trichloroethane

Concen: 0.824 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

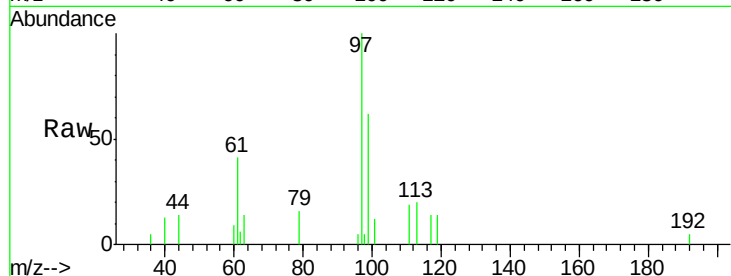
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	5318
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	41.3	32.7	49.1

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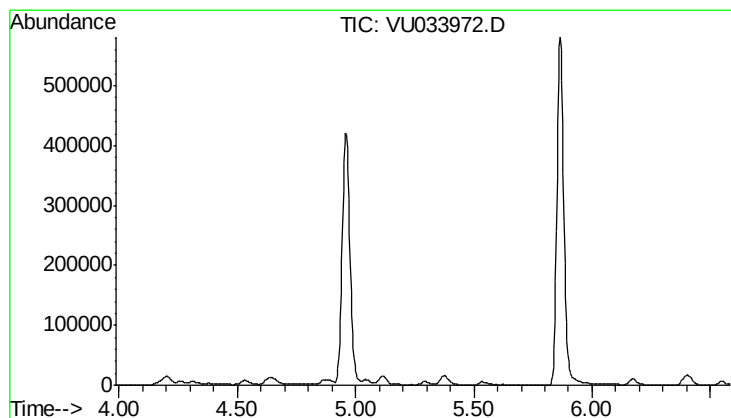
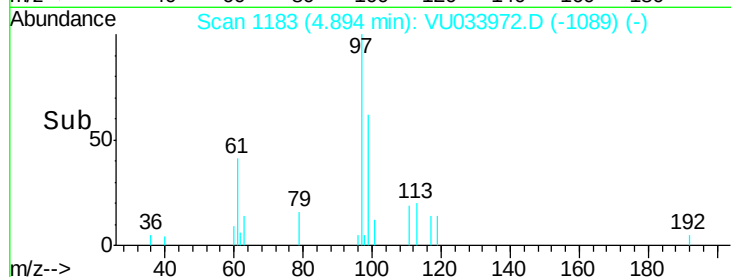
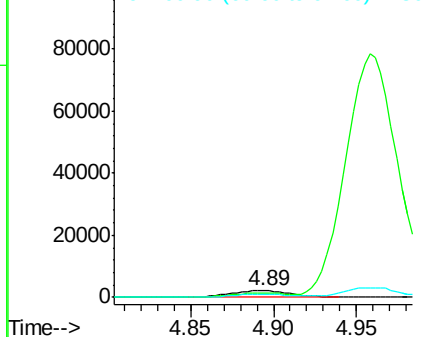


Abundance

Ion 96.90 (96.60 to 97.60): VU033972.D

Ion 98.90 (98.60 to 99.60): VU033972.D

Ion 60.90 (60.60 to 61.60): VU033972.D



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.29 min

Lab File: VU033972.D

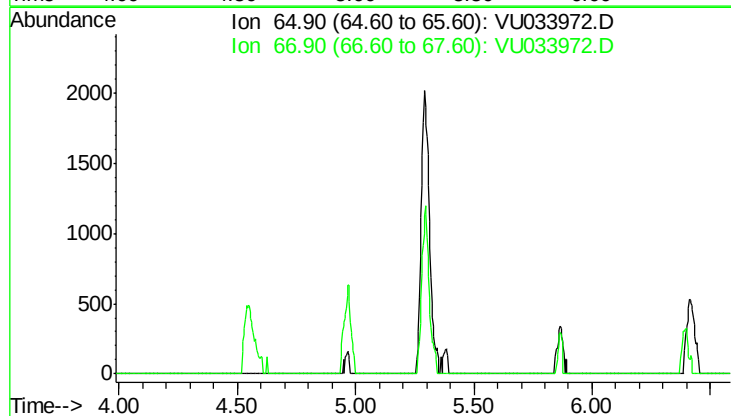
Acq: 27 Aug 2019 14:19

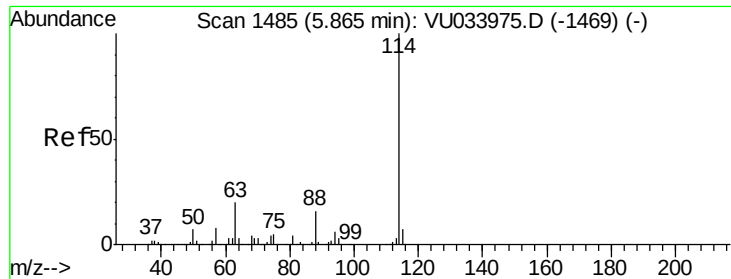
Tgt Ion: 65

Sig Exp Ratio

65 100

67 55.5





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

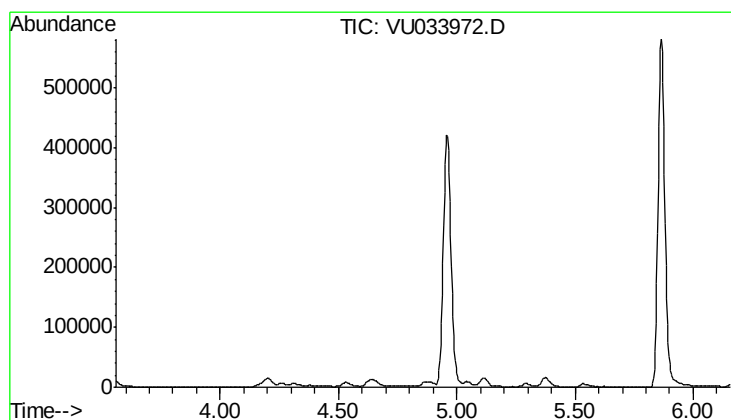
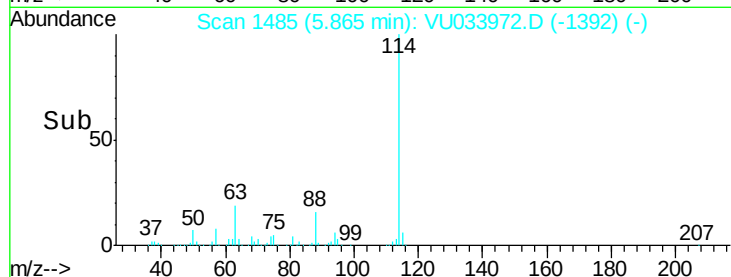
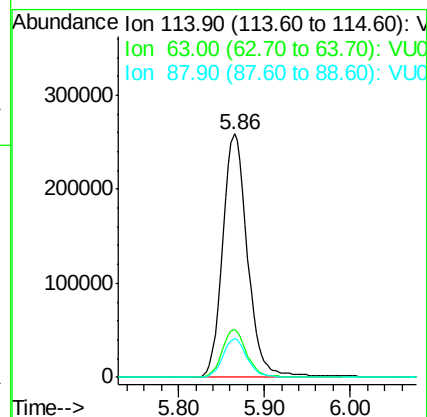
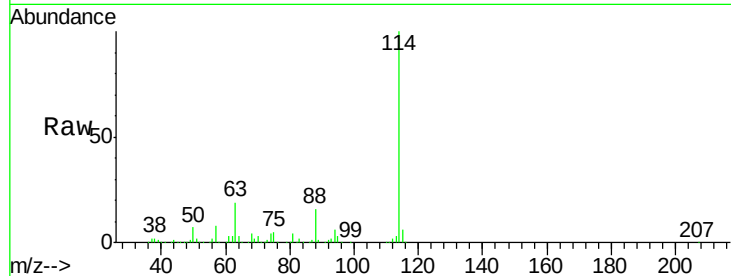
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
522736	114	100			
	63	19.4		0.0	39.0
	88	15.8		0.0	31.2

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#35

Dibromofluoromethane

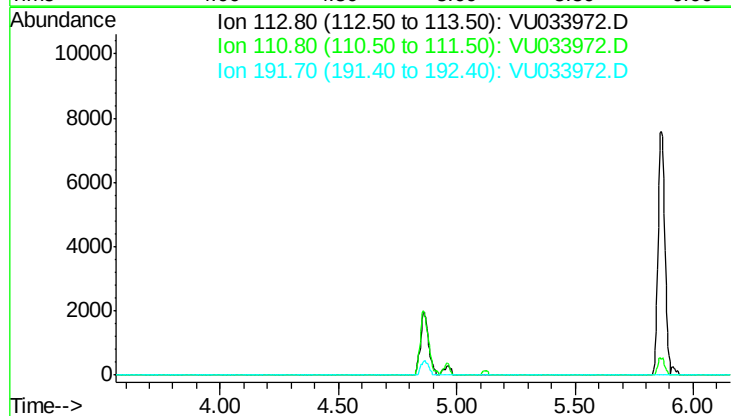
Concen: 0.000 ug/l

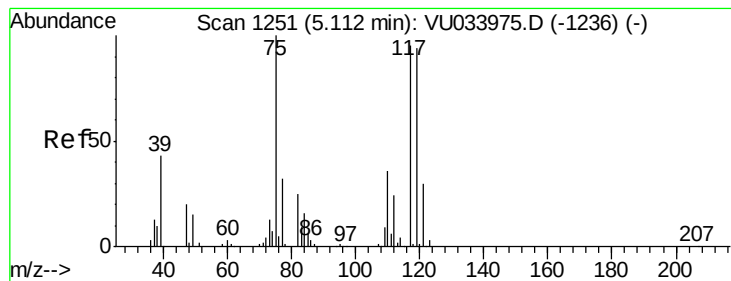
Expected RT: 4.86 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Tgt Ion	Exp Ratio
113	100
111	102.1
192	23.2





#36

1,1-Dichloropropene

Concen: 1.062 ug/l

RT: 5.12 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

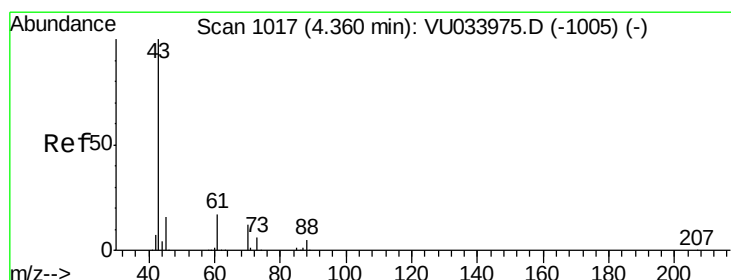
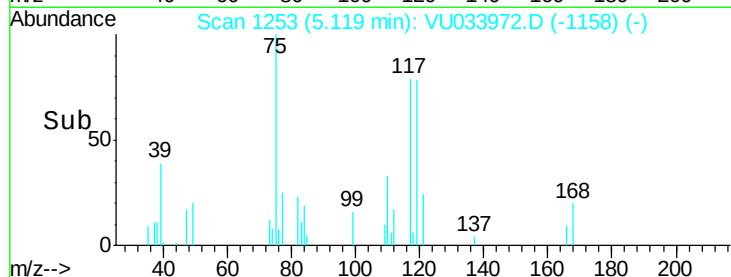
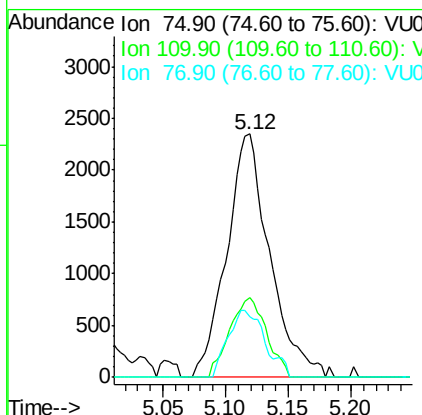
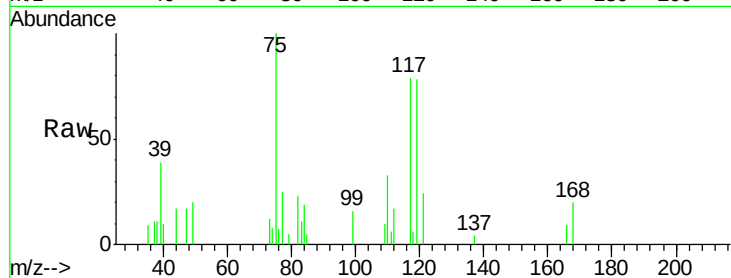
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	5606
Ion	Ratio	Lower	Upper
75	100		
110	28.0	18.2	54.6
77	23.5	24.8	37.2#

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#37

Ethyl Acetate

Concen: 0.767 ug/l m

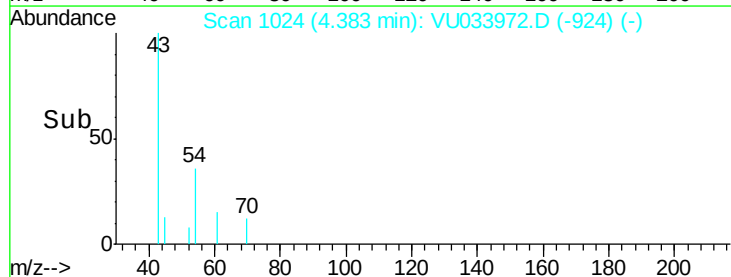
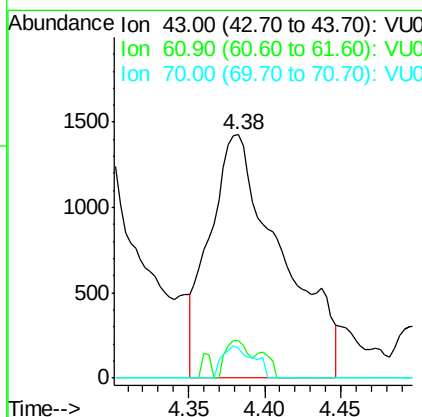
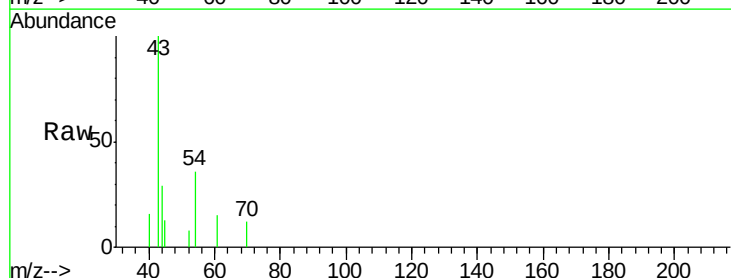
RT: 4.38 min Scan# 1024

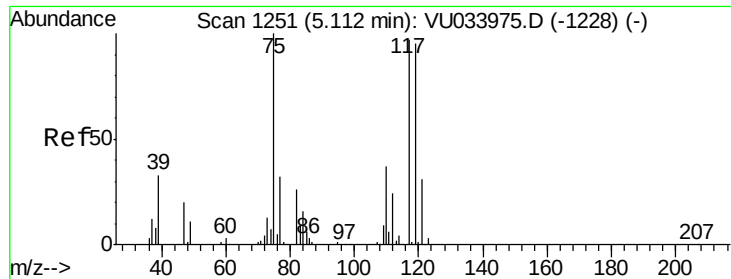
Delta R.T. 0.02 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Tgt Ion:	43	Resp:	4705
Ion	Ratio	Lower	Upper
43	100		
61	5.0	12.0	18.0#
70	5.7	9.2	13.8#





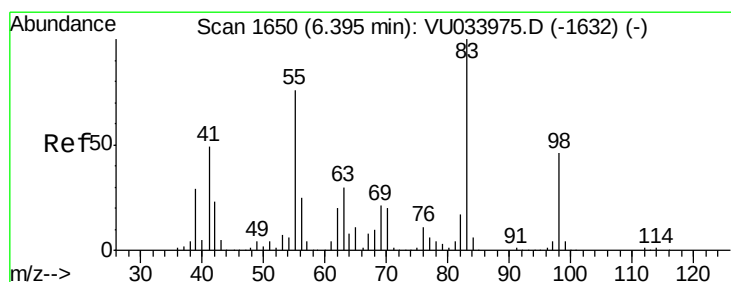
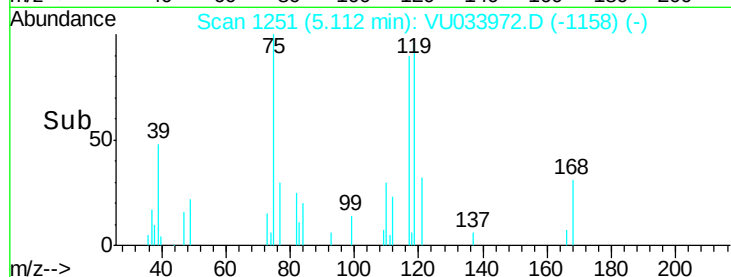
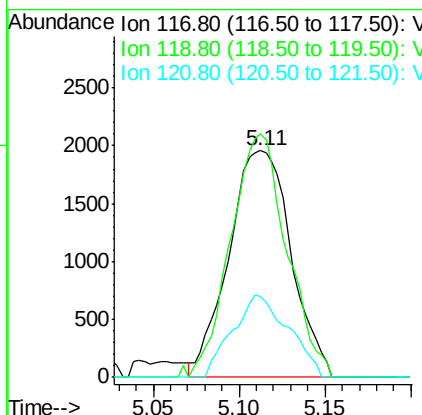
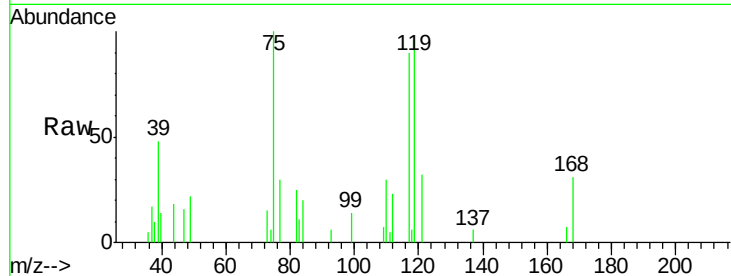
#38
Carbon Tetrachloride
Concen: 0.929 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	107.6	78.4	117.6
121	35.9	25.4	38.2

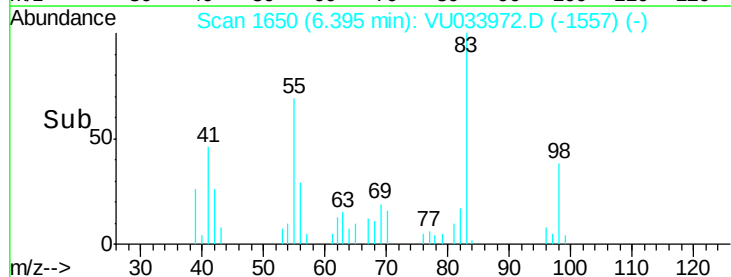
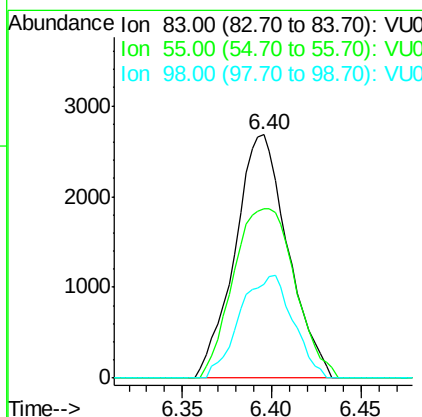
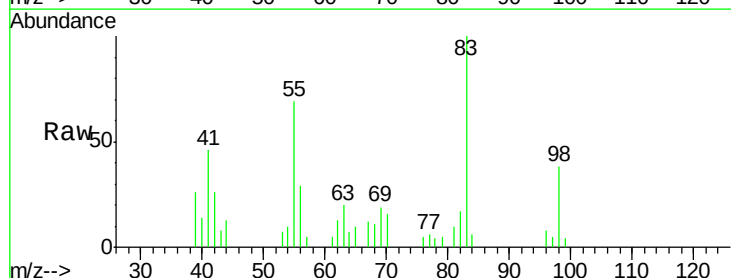
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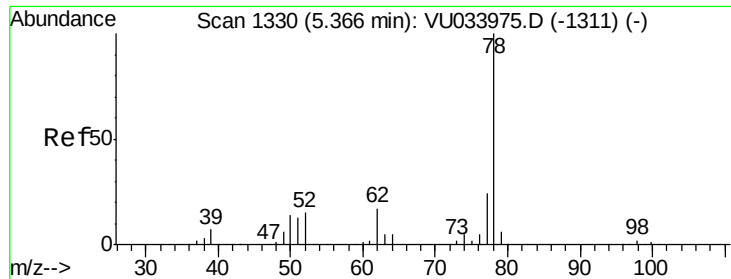
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#39
Methylcyclohexane
Concen: 0.943 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.4	60.8	91.2
98	38.3	36.5	54.7





#40

Benzene

Concen: 0.906 ug/l

RT: 5.37 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 14218

Ion Ratio Lower Upper

78 100

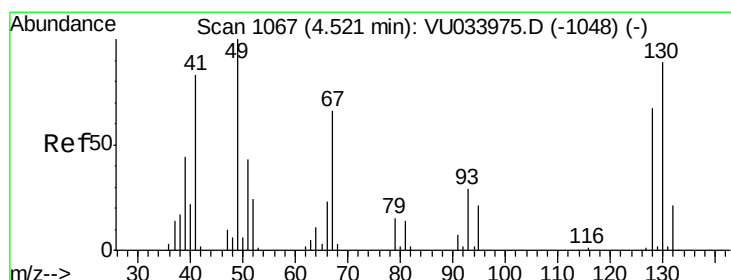
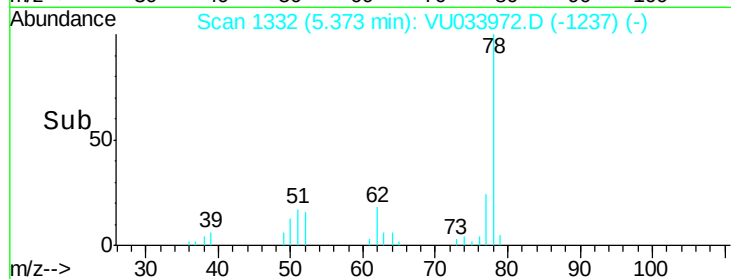
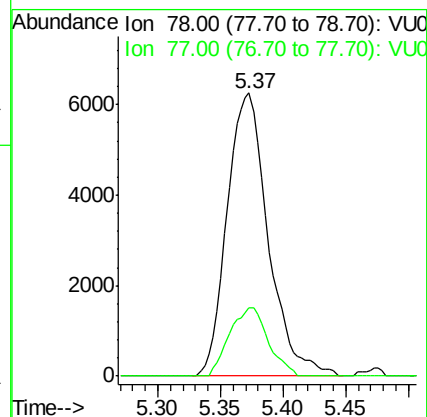
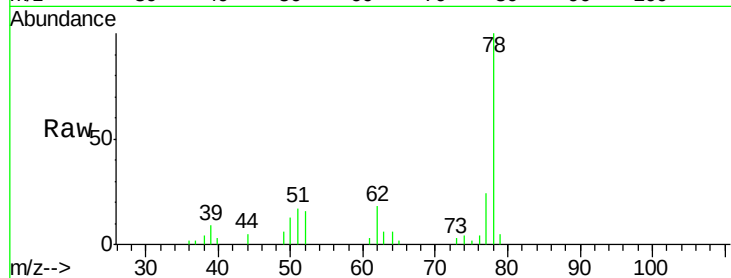
77 24.4 19.2 28.8

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#41

Methacrylonitrile

Concen: 0.669 ug/l m

RT: 4.55 min Scan# 1075

Delta R.T. 0.03 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Tgt Ion: 41 Resp: 2057

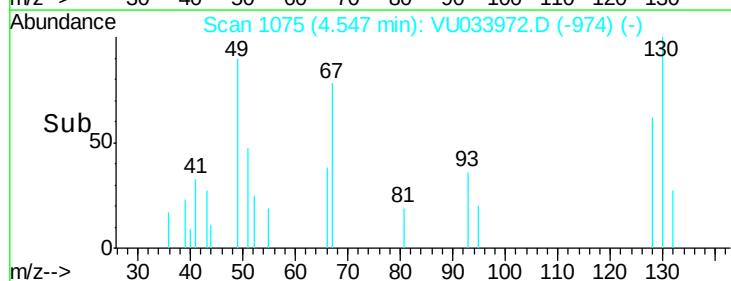
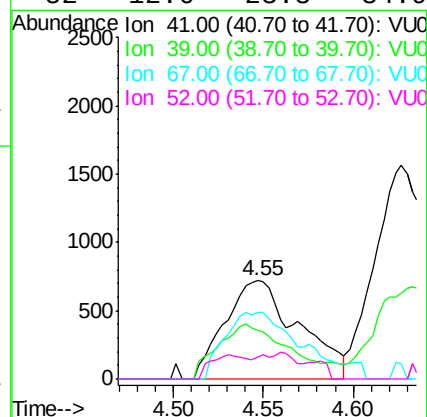
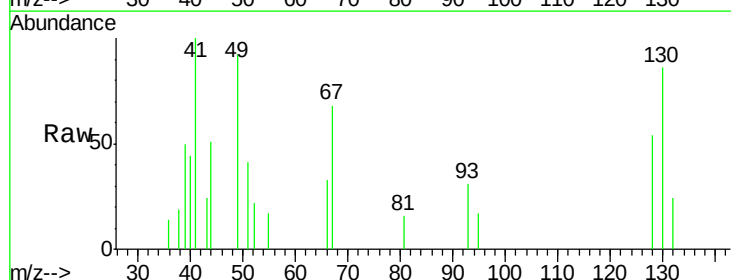
Ion Ratio Lower Upper

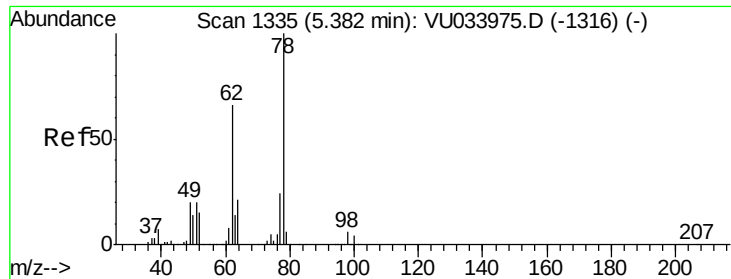
41 100

39 56.0 41.5 62.3

67 68.0 65.0 97.6

52 12.6 23.3 34.9#





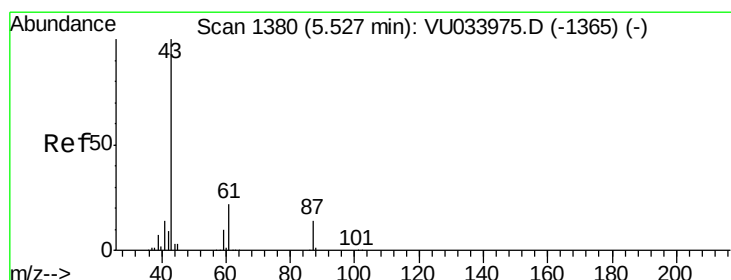
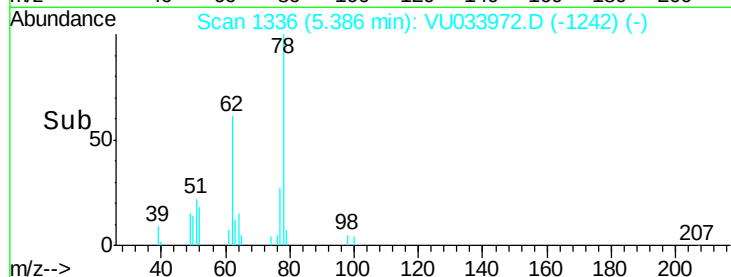
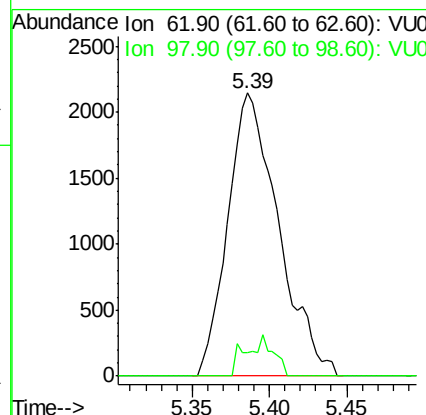
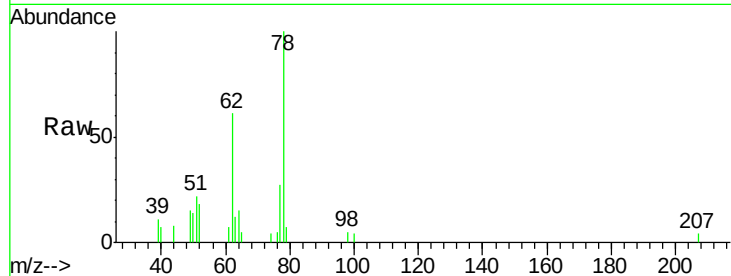
#42
 1,2-Dichloroethane
 Concen: 0.850 ug/l
 RT: 5.39 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100			
98	2.4		0.0	20.0

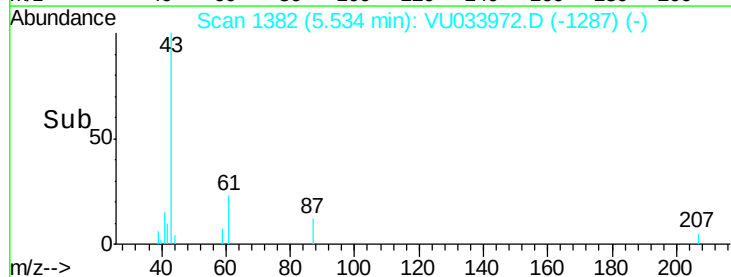
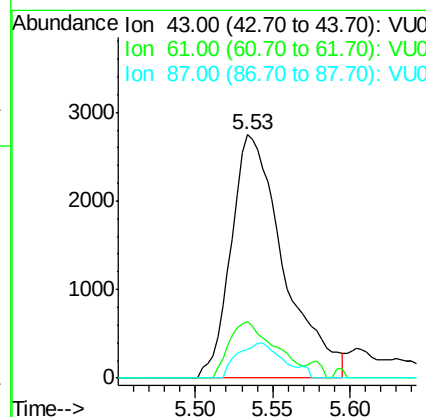
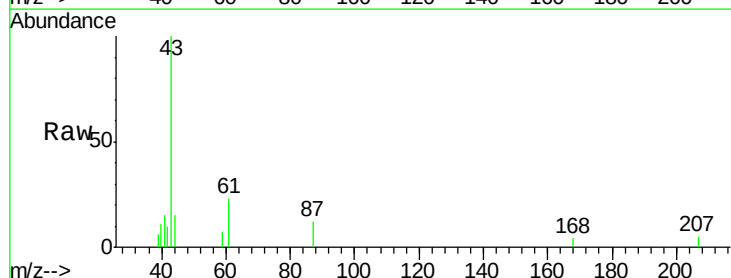
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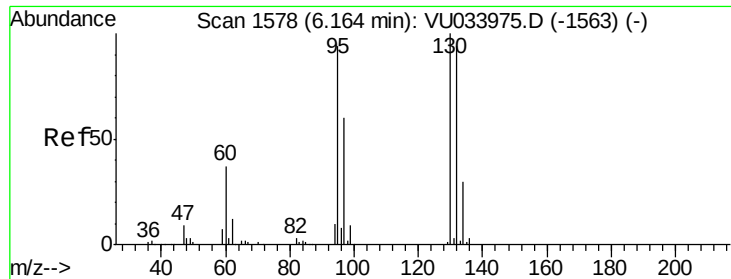
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#43
 Isopropyl Acetate
 Concen: 0.722 ug/l
 RT: 5.53 min Scan# 1382
 Delta R.T. 0.01 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	20.1		17.8	26.8
87	12.7		11.9	17.9





#44

Trichloroethene

Concen: 0.996 ug/l

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 4129

Ion Ratio Lower Upper

130 100

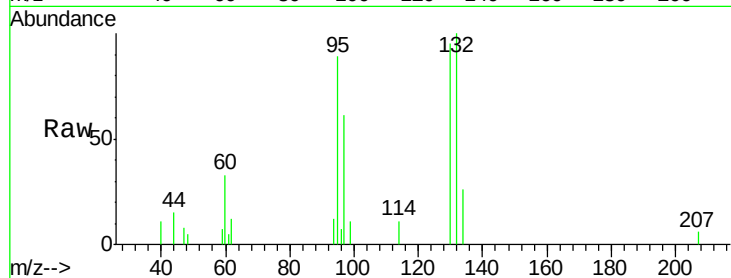
95 94.0 0.0 187.6

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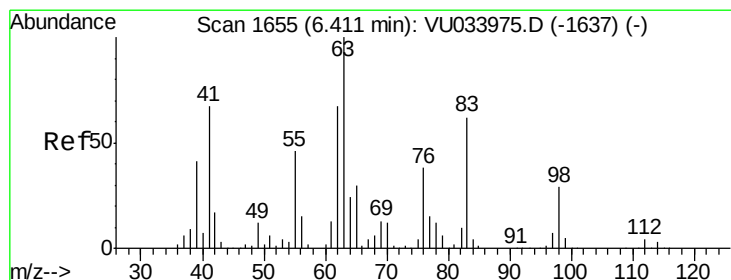
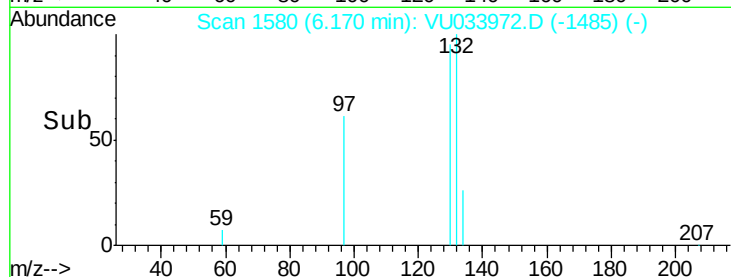
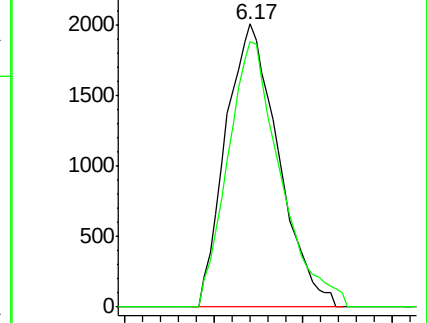
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#45

1,2-Dichloropropane

Concen: 0.862 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU033972.D

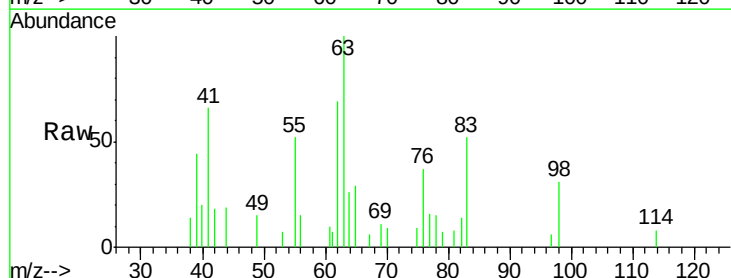
Acq: 27 Aug 2019 14:19

Tgt Ion: 63 Resp: 3732

Ion Ratio Lower Upper

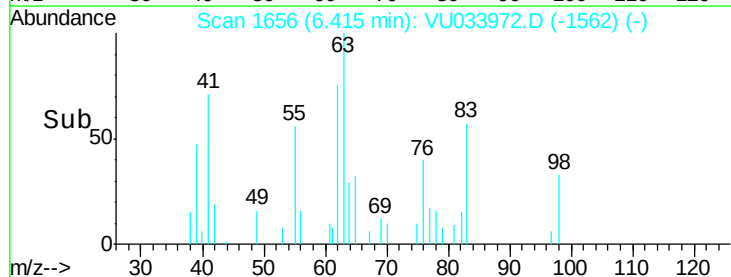
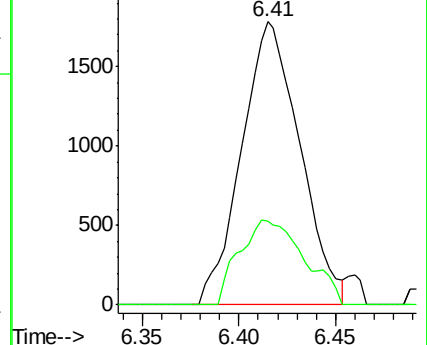
63 100

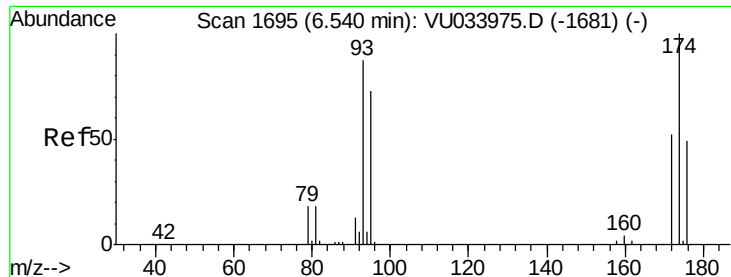
65 29.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0





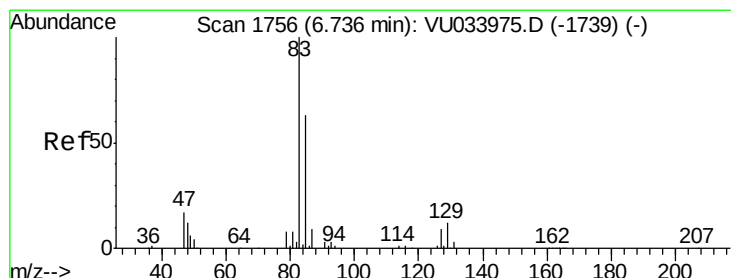
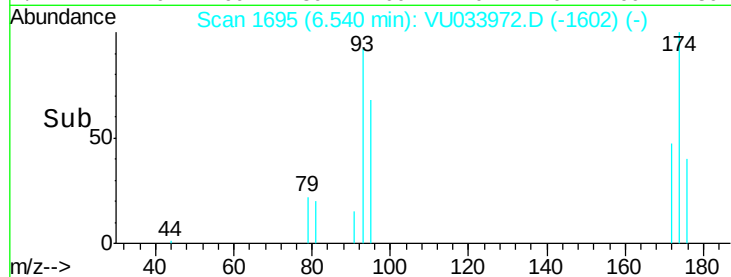
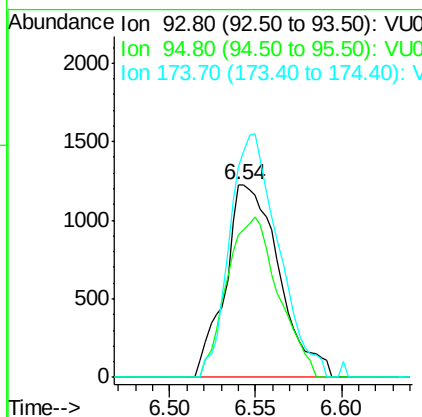
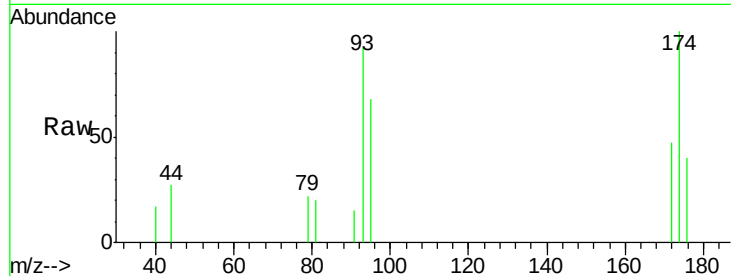
#46
 Dibromomethane
 Concen: 0.958 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	79.0	66.2	99.4
174	113.7	92.2	138.2

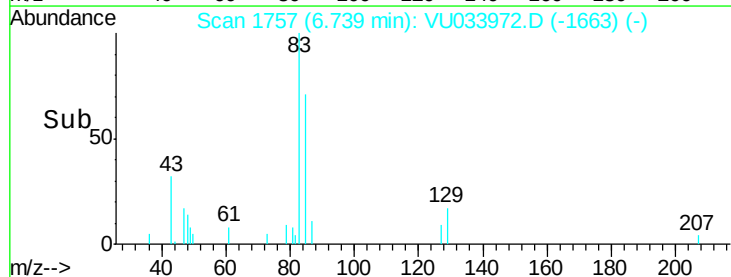
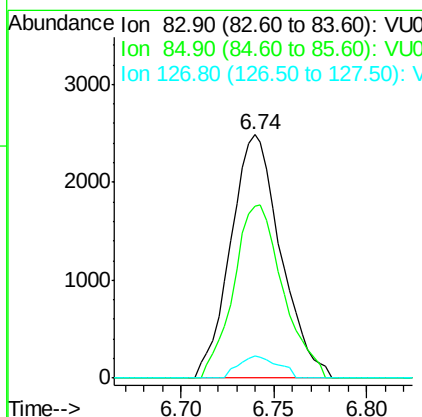
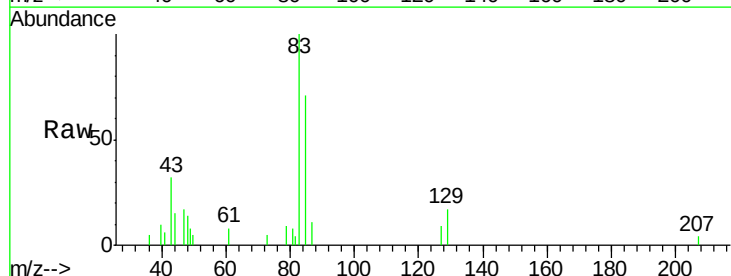
Manual Integrations
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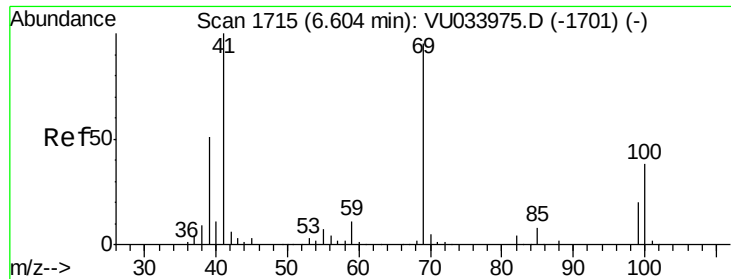
MMDadoda
 8/28/2019 9:57:37 AM



#47
 Bromodichloromethane
 Concen: 0.827 ug/l
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.7	50.6	76.0
127	9.2	7.4	11.0





#48

Methvl methacrylate

Concen: 0.736 ug/l

RT: 6.62 min Scan# 1719

Delta R.T. 0.01 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

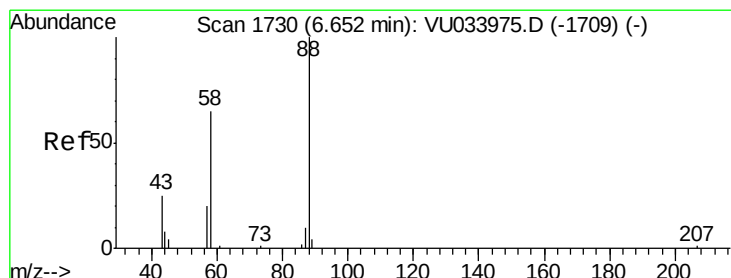
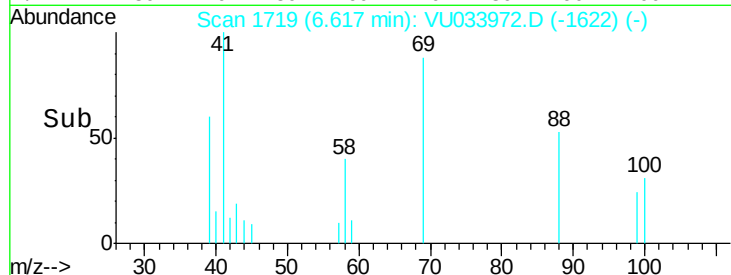
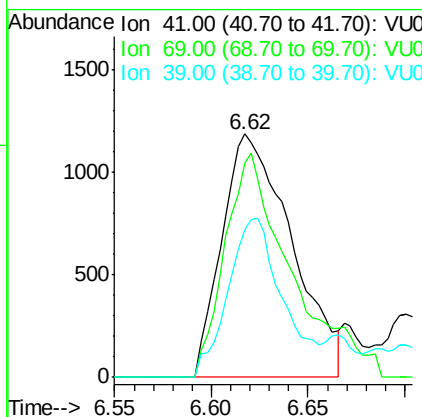
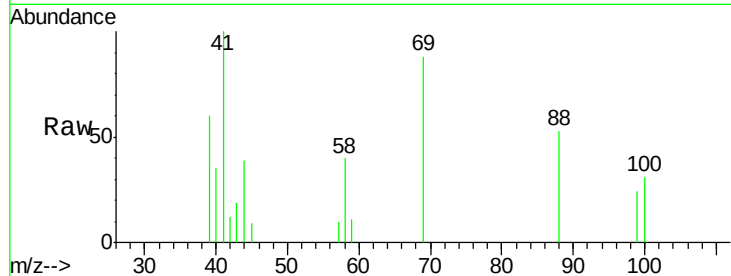
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	2967
Ion	Ratio	Lower	Upper
41	100		
69	88.1	76.3	114.5
39	51.2	41.1	61.7

Manual Integrations
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#49

1,4-Dioxane

Concen: 16.301 ug/l

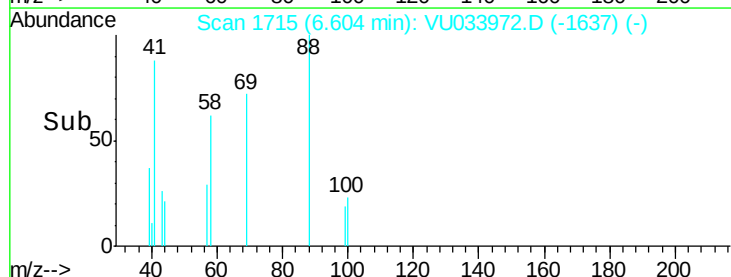
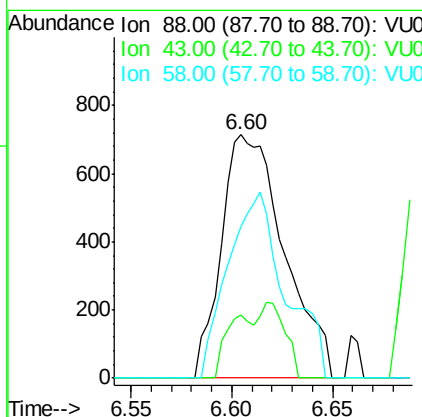
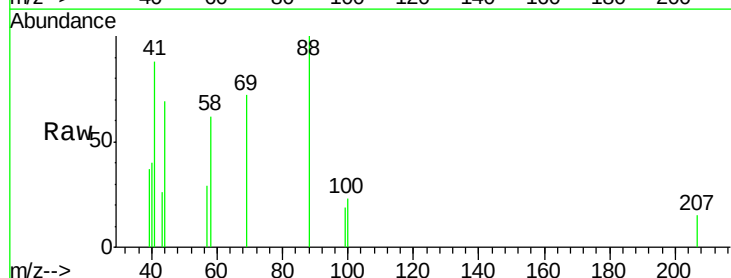
RT: 6.60 min Scan# 1715

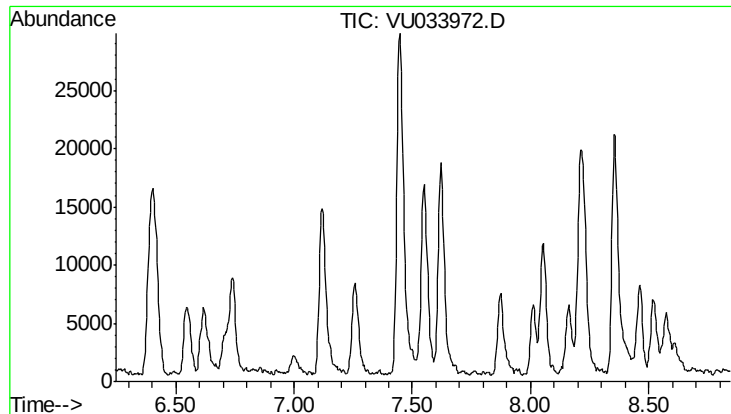
Delta R.T. -0.05 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Tgt Ion:	88	Resp:	1551
Ion	Ratio	Lower	Upper
88	100		
43	11.7	0.0	0.0#
58	0.0	56.6	85.0#





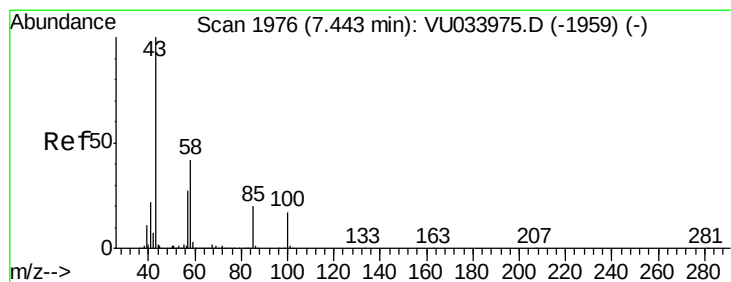
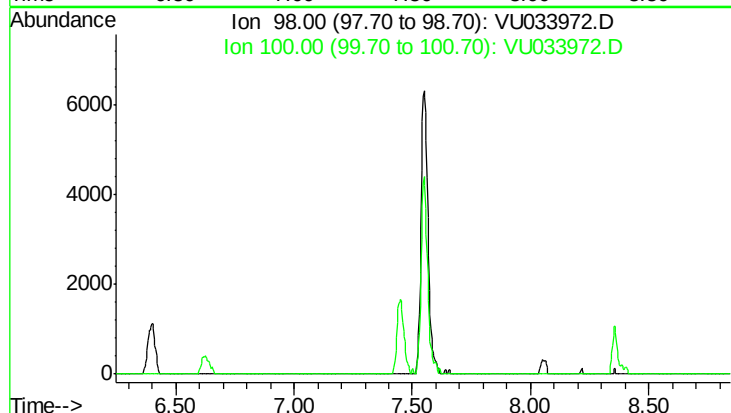
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.55 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.4

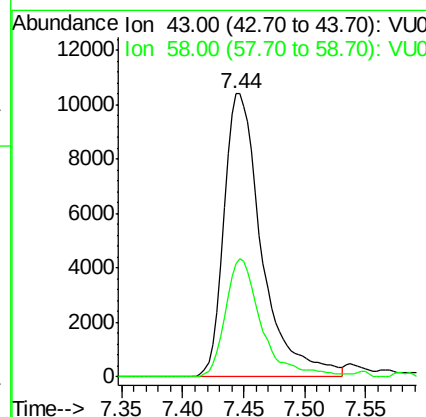
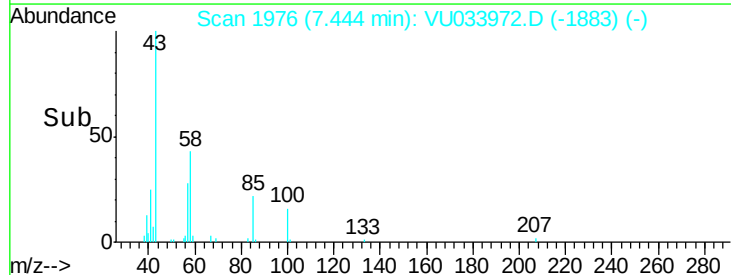
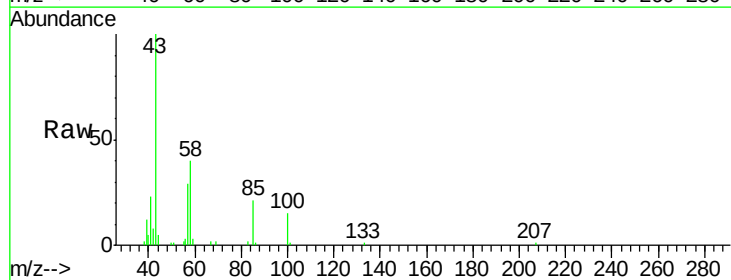
Manual Integrations
APPROVED

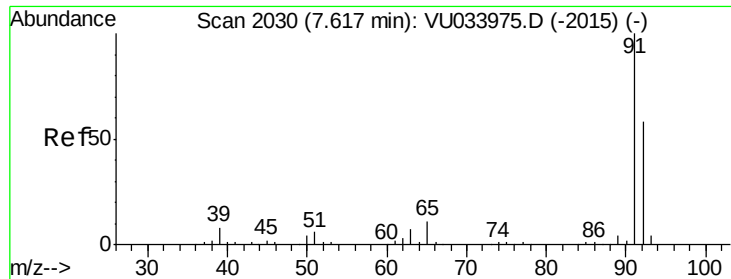
MMDadoda
8/28/2019 9:57:37 AM



#51
4-Methyl-2-Pentanone
Concen: 3.734 ug/l
RT: 7.44 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion: 43 Resp: 22679
Ion Ratio Lower Upper
43 100
58 38.1 33.6 50.4





#52

Toluene

Concen: 0.898 ug/l

RT: 7.62 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 8232

Ion Ratio Lower Upper

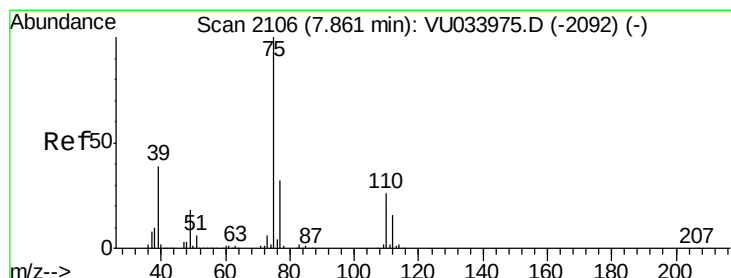
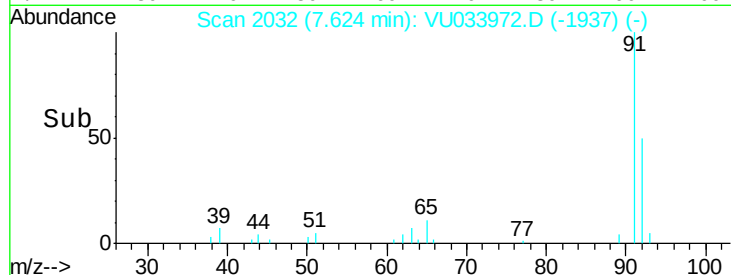
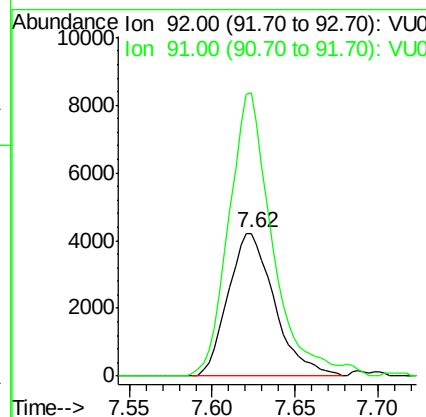
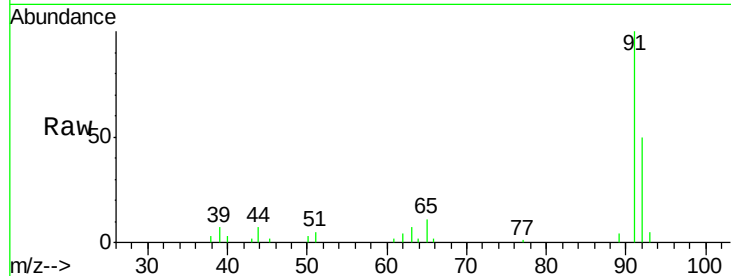
92 100

91 184.2 138.8 208.2

Manual Integrations
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8/28/2019 9:57:37 AM



#53

t-1,3-Dichloropropene

Concen: 0.882 ug/l

RT: 7.87 min Scan# 2110

Delta R.T. 0.01 min

Lab File: VU033972.D

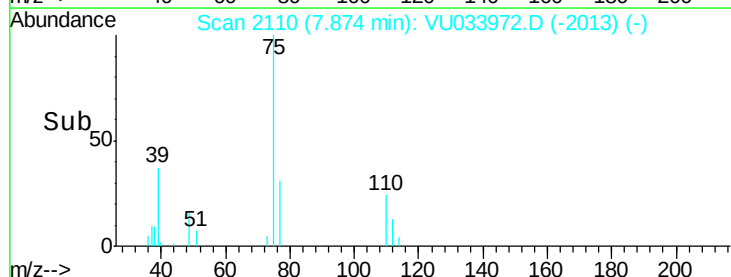
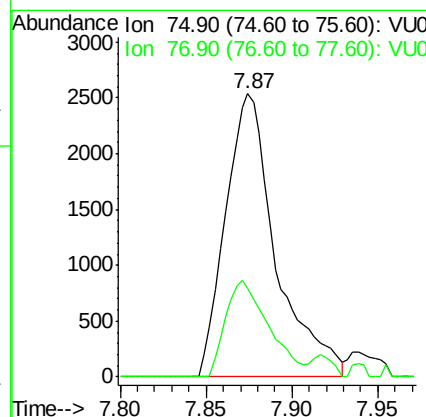
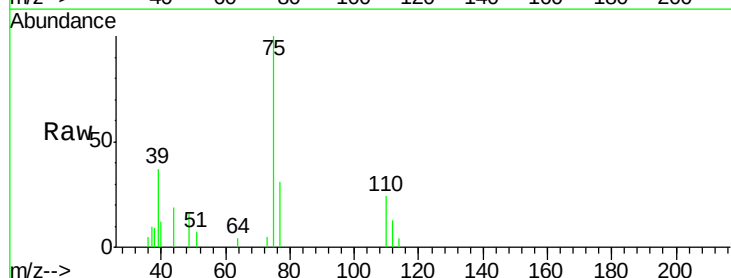
Acq: 27 Aug 2019 14:19

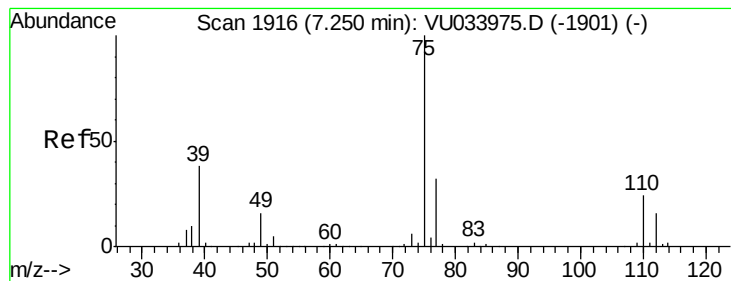
Tgt Ion: 75 Resp: 5147

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2





#54

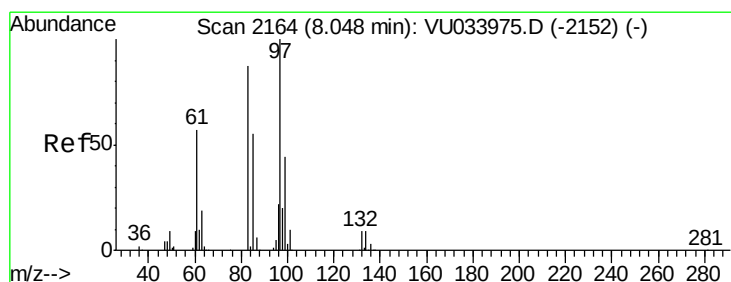
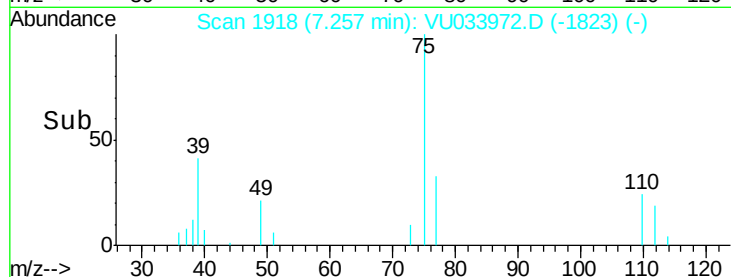
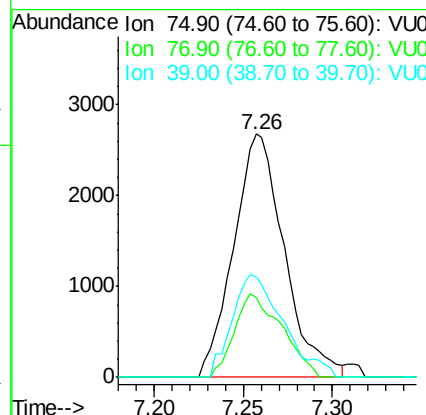
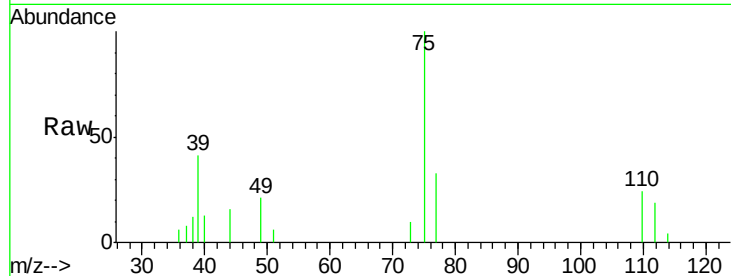
cis-1,3-Dichloropropene
Concen: 0.817 ug/l
RT: 7.26 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.6	38.4
39	41.2	30.7	46.1

Manual Integrations
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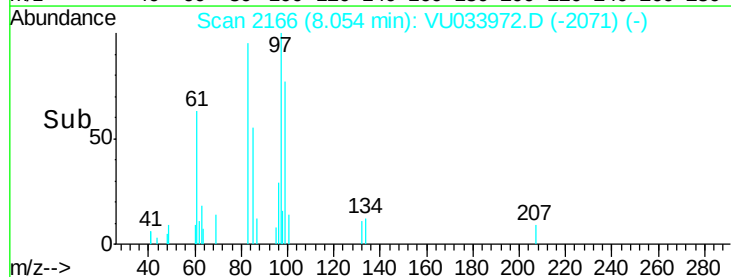
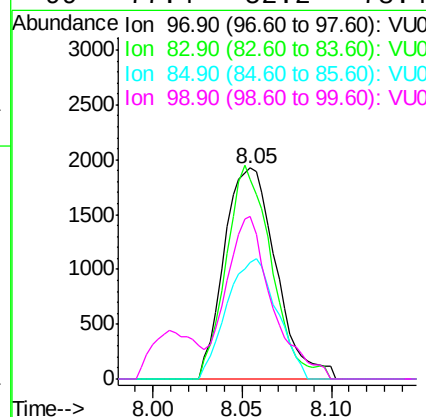
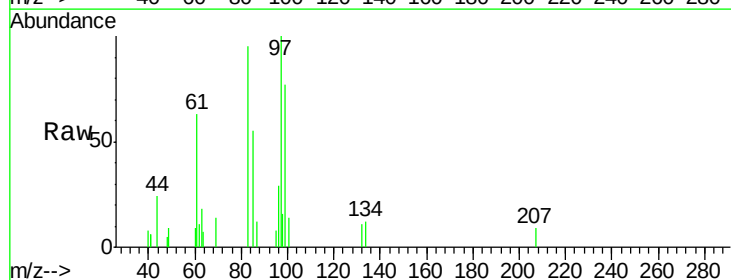
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8/28/2019 9:57:37 AM

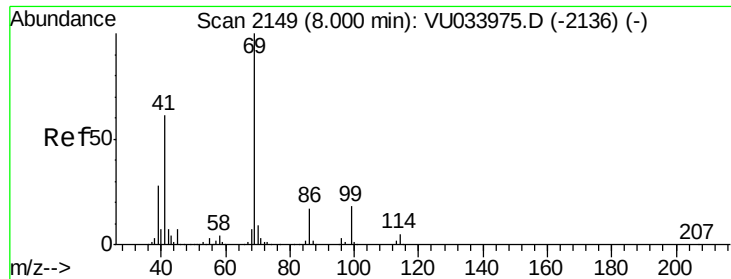


#55

1,1,2-Trichloroethane
Concen: 0.964 ug/l
RT: 8.05 min Scan# 2166
Delta R.T. 0.01 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	95.1	69.8	104.6
85	55.3	45.2	67.8
99	77.4	52.2	78.4





#56

Ethyl methacrylate

Concen: 0.730 ug/l

RT: 8.01 min Scan# 2153

Delta R.T. 0.01 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

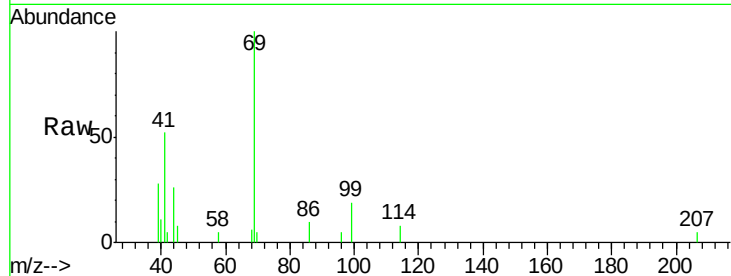
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	3989
Ion	Ratio	Lower	Upper
69	100		
41	60.8	48.6	72.8
39	29.5	22.4	33.6

Manual Integrations
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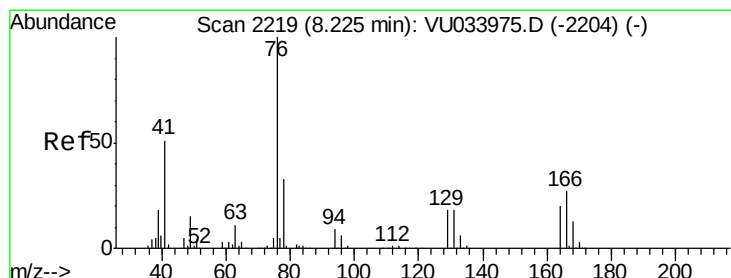
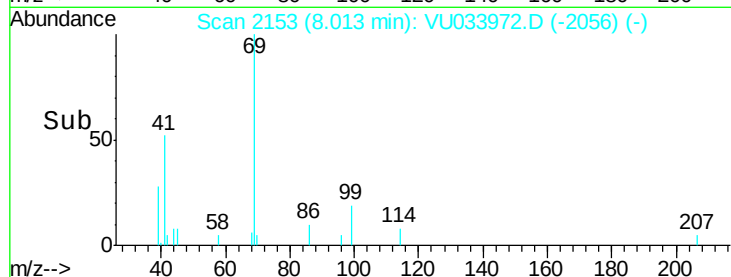
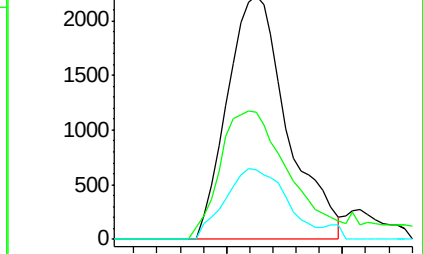
MMDadoda
8/28/2019 9:57:37 AM



Abundance Ion 69.00 (68.70 to 69.70): VU033972.D (-2136) (-)

Ion 41.00 (40.70 to 41.70): VU033972.D (-2136) (-)

Ion 39.00 (38.70 to 39.70): VU033972.D (-2136) (-)



#57

1,3-Dichloropropane

Concen: 0.869 ug/l

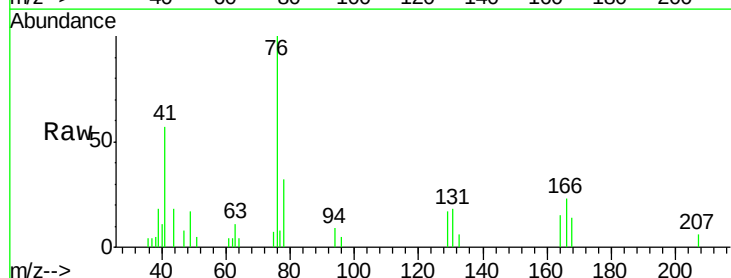
RT: 8.23 min Scan# 2221

Delta R.T. 0.01 min

Lab File: VU033972.D

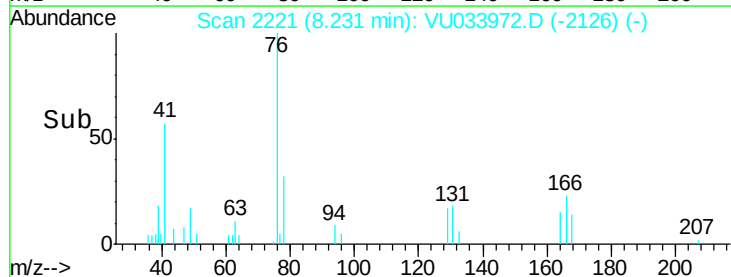
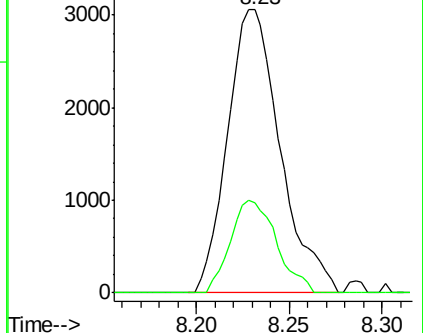
Acq: 27 Aug 2019 14:19

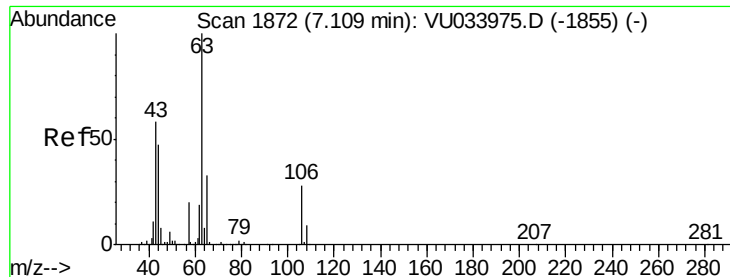
Tgt Ion:	76	Resp:	6043
Ion	Ratio	Lower	Upper
76	100		
78	28.6	25.7	38.5



Abundance Ion 75.90 (75.60 to 76.60): VU033972.D (-2126) (-)

Ion 77.90 (77.60 to 78.60): VU033972.D (-2126) (-)





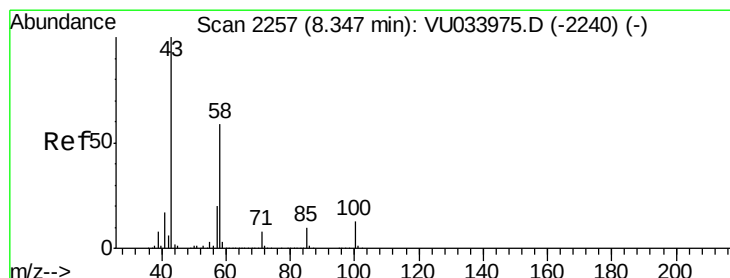
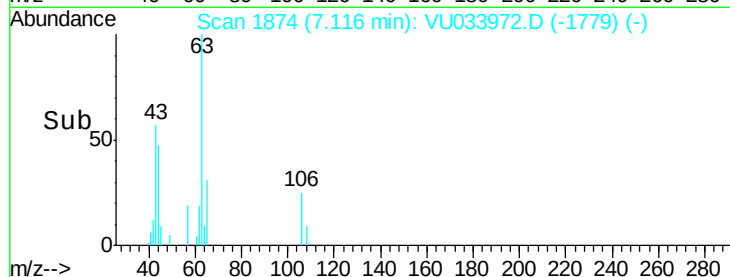
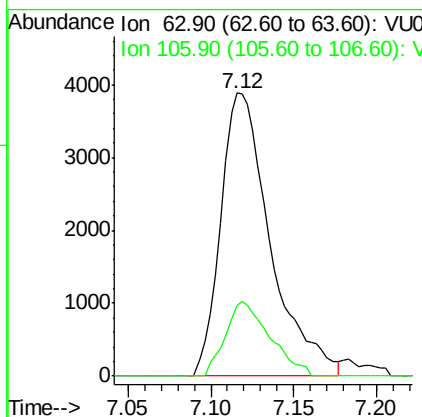
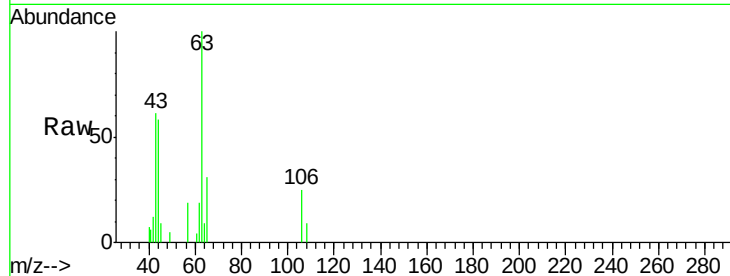
#58
 2-Chloroethyl Vinyl ether
 Concen: 4.141 ug/l
 RT: 7.12 min Scan# 1874
 Delta R.T. 0.01 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 8074
 Ion Ratio Lower Upper
 63 100
 106 23.6 22.4 33.6

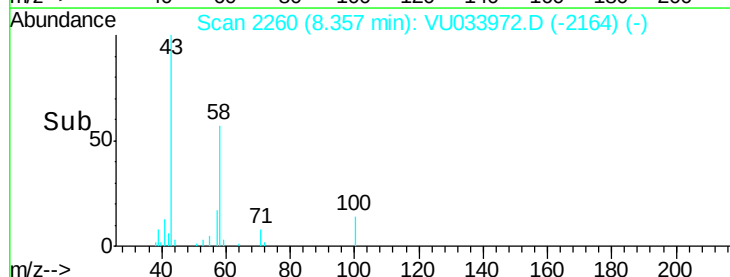
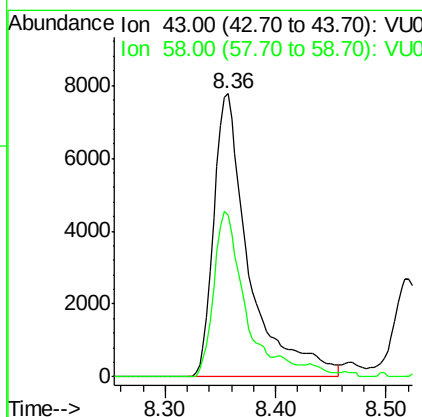
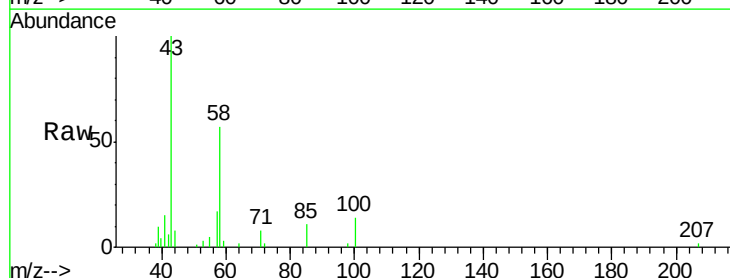
Manual Integrations
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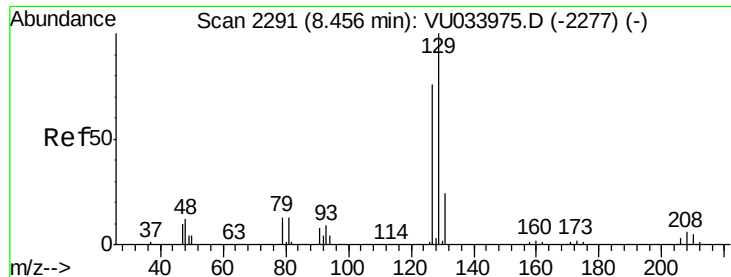
MMDadoda
 8/28/2019 9:57:37 AM



#59
 2-Hexanone
 Concen: 3.713 ug/l
 RT: 8.36 min Scan# 2260
 Delta R.T. 0.01 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion: 43 Resp: 17197
 Ion Ratio Lower Upper
 43 100
 58 48.3 29.5 88.6





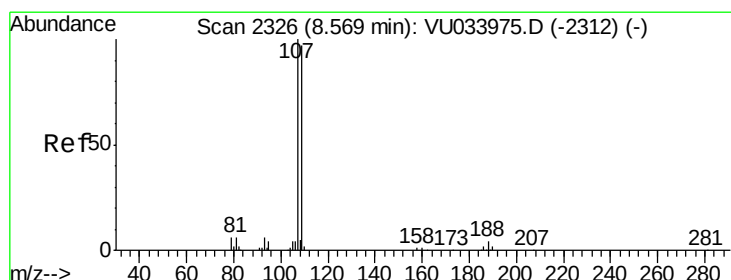
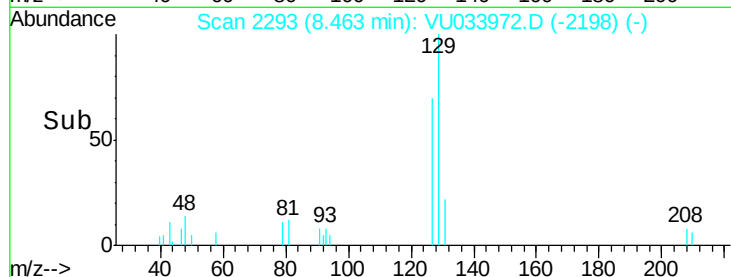
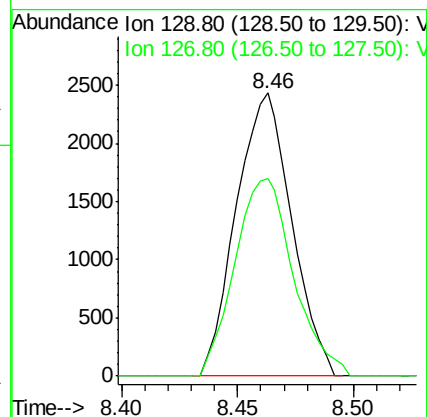
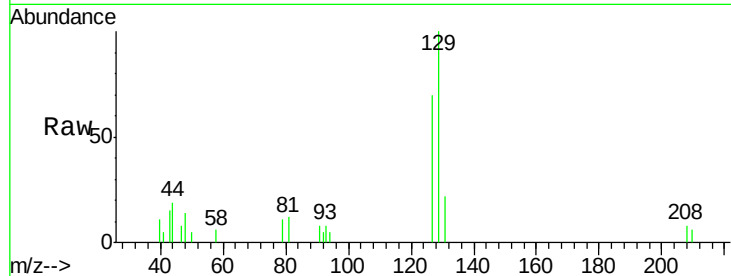
#60
Dibromochloromethane
Concen: 0.951 ug/l
RT: 8.46 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	74.1	38.8	116.4

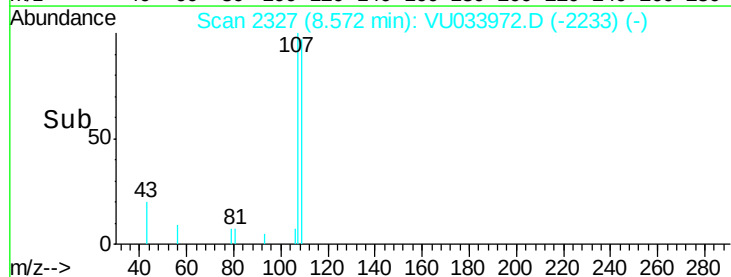
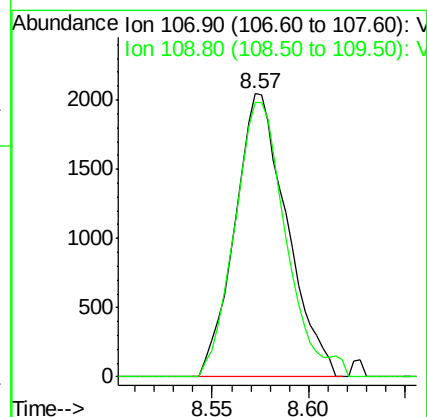
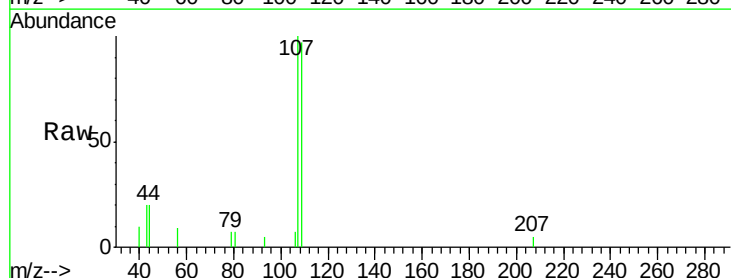
Manual Integrations
APPROVED

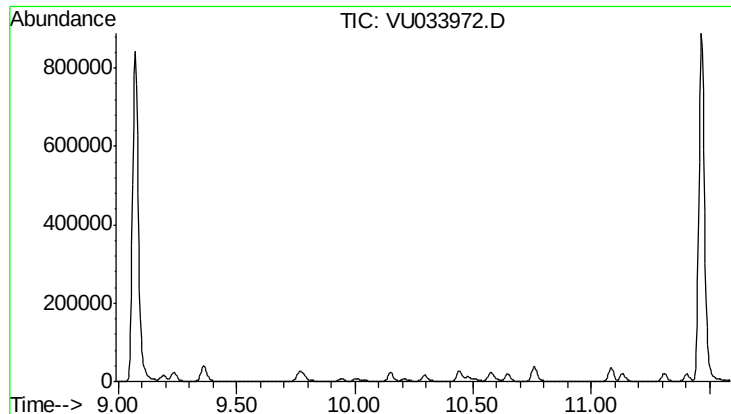
MMDadoda
8/28/2019 9:57:37 AM



#61
1,2-Dibromoethane
Concen: 0.916 ug/l
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.7	113.5





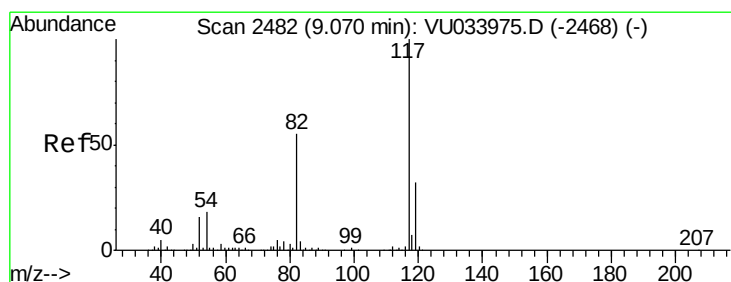
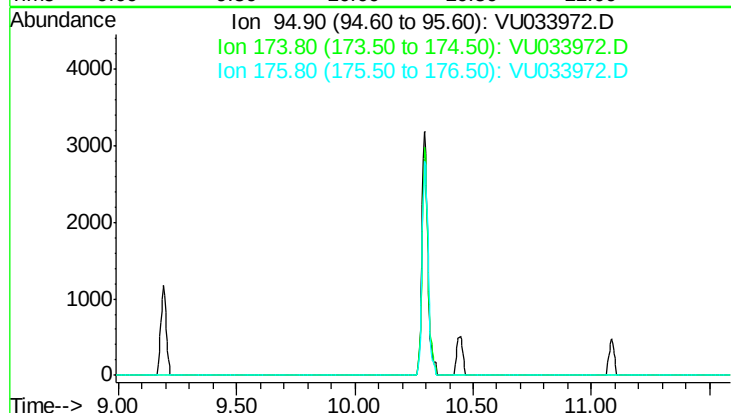
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 10.29 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	91.9
176	88.2

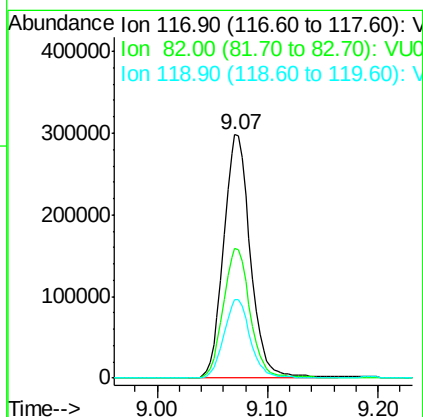
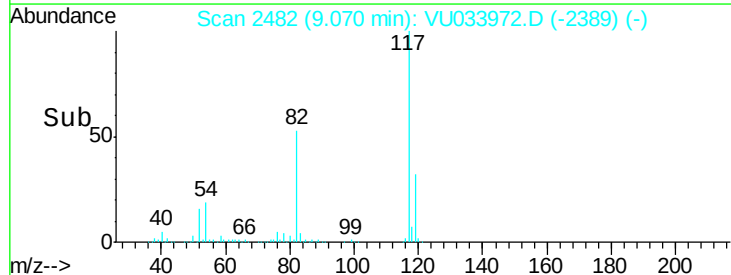
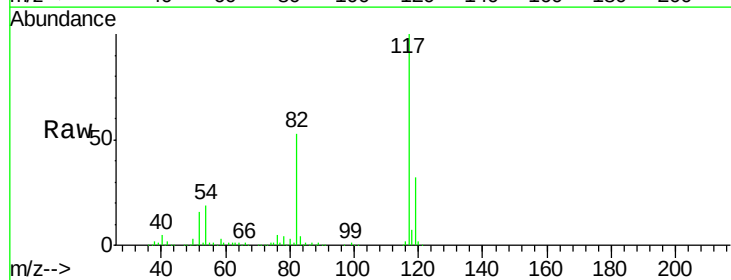
Manual Integrations
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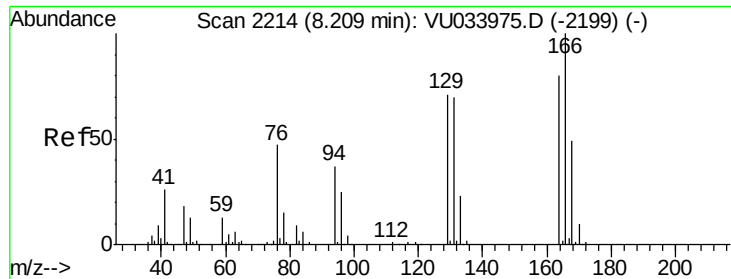
MMDadoda
 8/28/2019 9:57:37 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.07 min Scan# 2482
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion	117	Resp	502791
Ion Ratio	Lower	Upper	
117	100		
82	53.5	43.8	65.8
119	32.3	25.7	38.5





#64

Tetrachloroethene

Concen: 1.143 ug/l

RT: 8.21 min Scan# 2215

Delta R.T. 0.00 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 4242

Ion Ratio Lower Upper

164 100

166 121.4 99.5 149.3

129 91.0 70.9 106.3

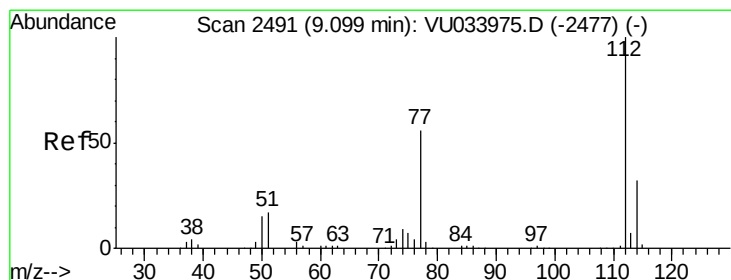
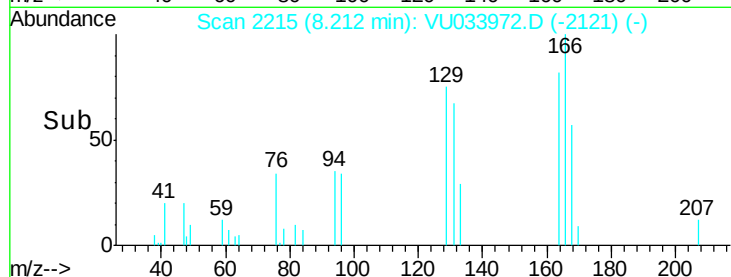
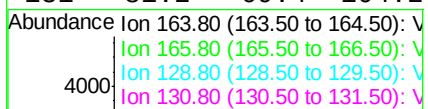
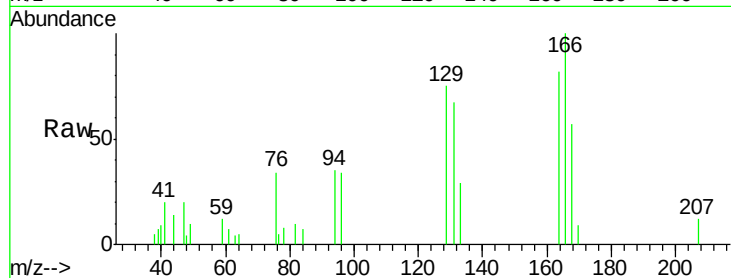
131 81.2 69.4 104.2

Manual Integrations

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8/28/2019 9:57:37 AM



#65

Chlorobenzene

Concen: 0.996 ug/l

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033972.D

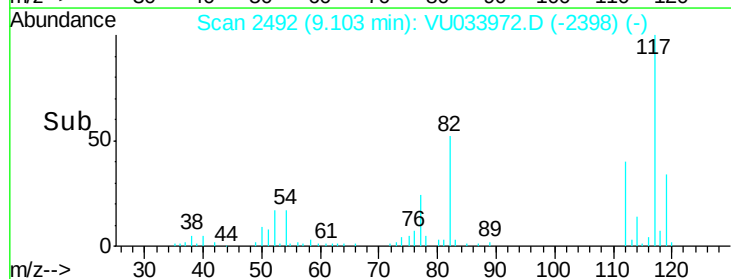
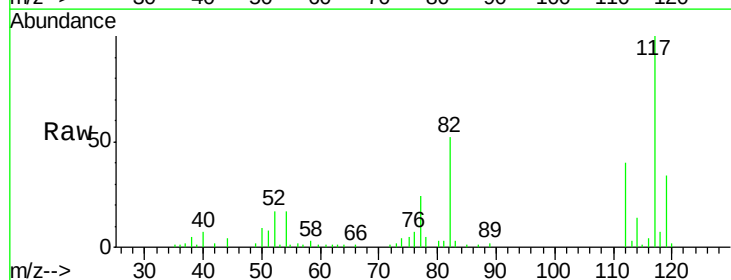
Acq: 27 Aug 2019 14:19

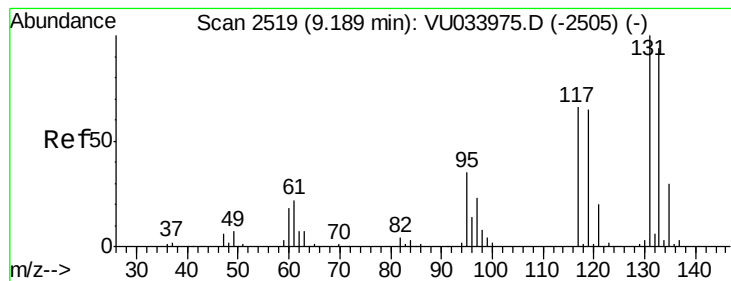
Tgt Ion:112 Resp: 10332

Ion Ratio Lower Upper

112 100

114 33.7 25.8 38.8





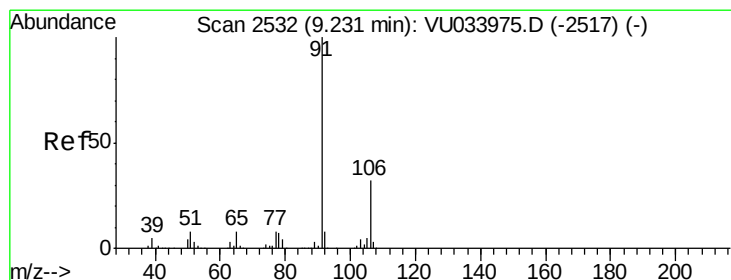
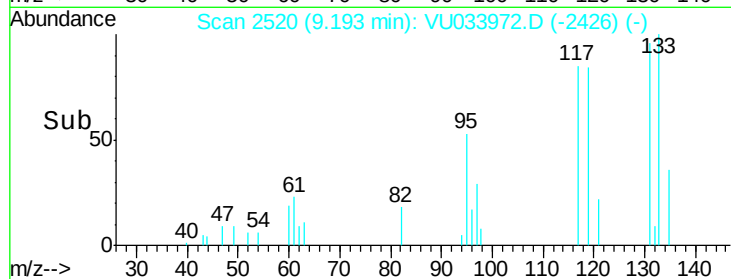
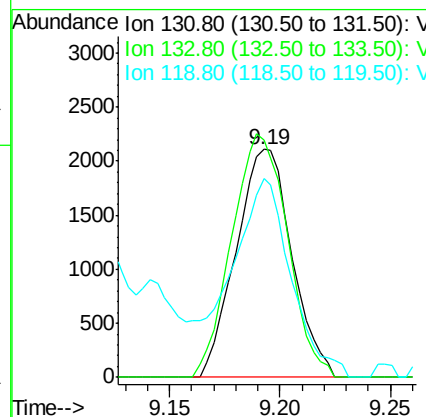
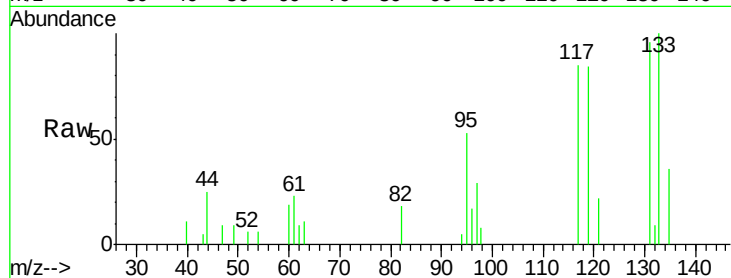
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.957 ug/l
 RT: 9.19 min Scan# 2520
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	107.0	47.6	142.9
119	0.0	33.0	98.9

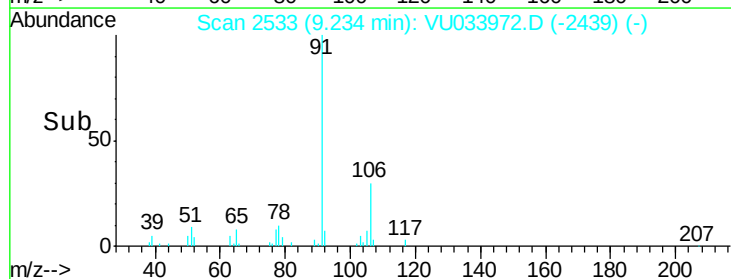
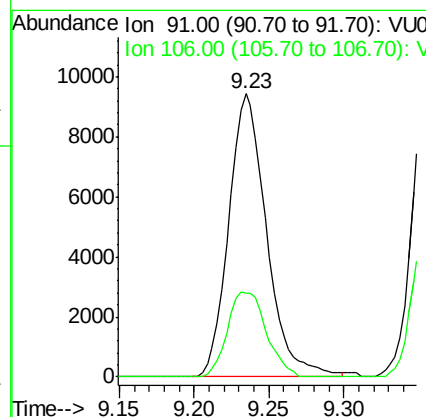
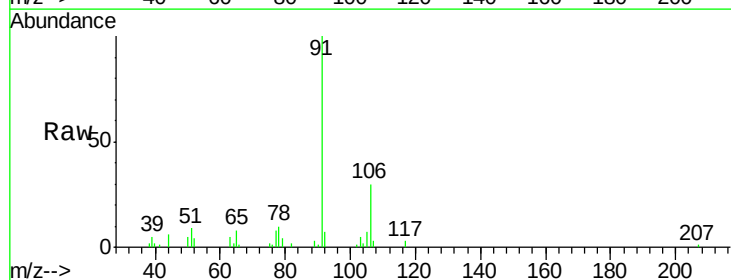
Manual Integrations
 APPROVED

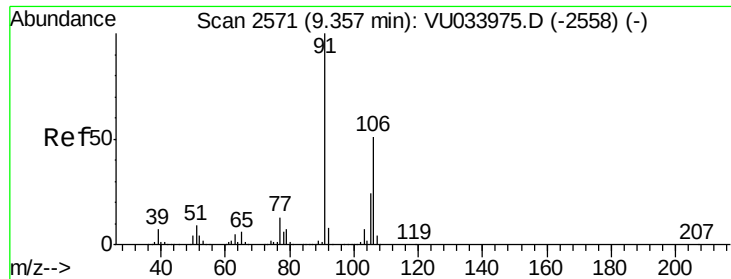
MMDadoda
 8/28/2019 9:57:37 AM



#67
 Ethyl Benzene
 Concen: 0.981 ug/l
 RT: 9.23 min Scan# 2533
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	25.4	38.0





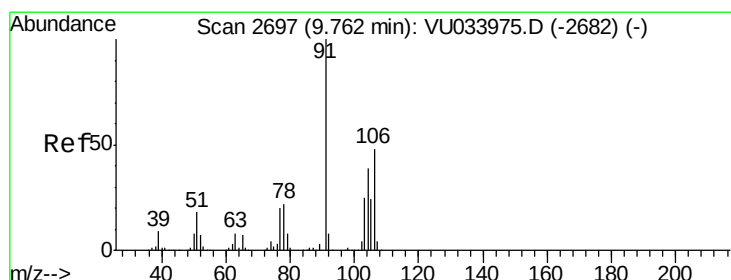
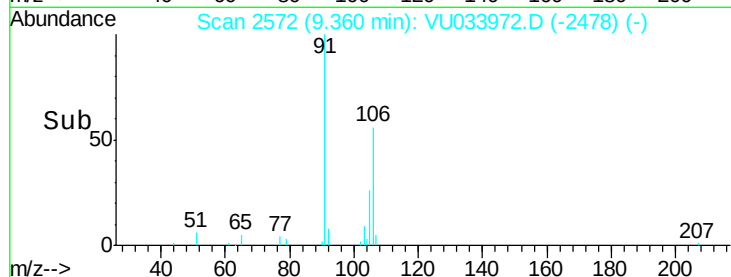
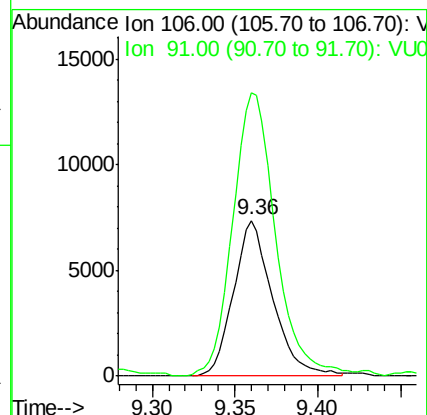
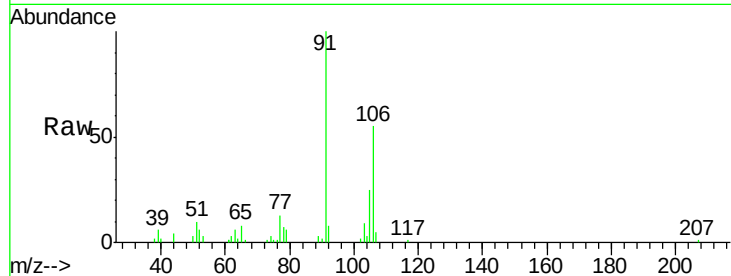
#68
m/p-Xylenes
Concen: 1.932 ug/l
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		12116		
91	198.7	158.4	237.6		

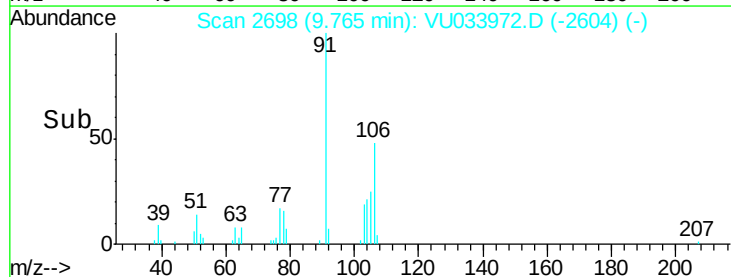
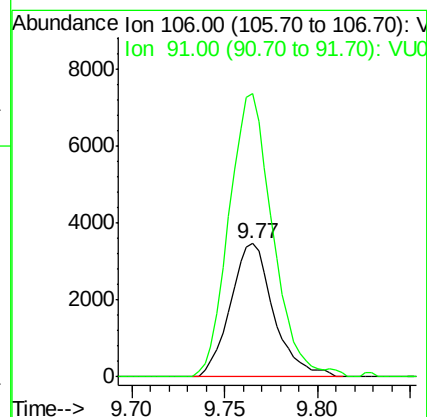
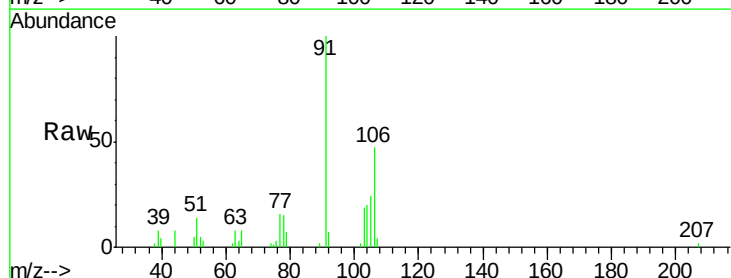
Manual Integrations
APPROVED

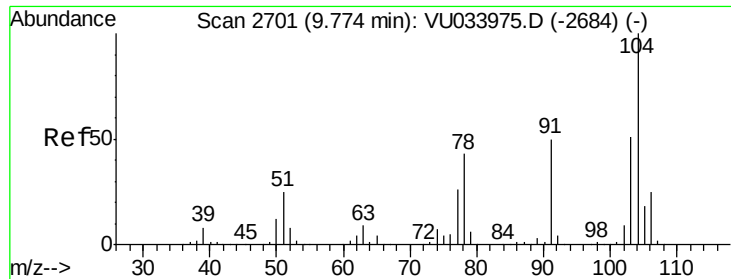
MMDadoda
8/28/2019 9:57:37 AM



#69
o-Xylene
Concen: 0.938 ug/l
RT: 9.77 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		5626		
91	215.1	104.5	313.3		





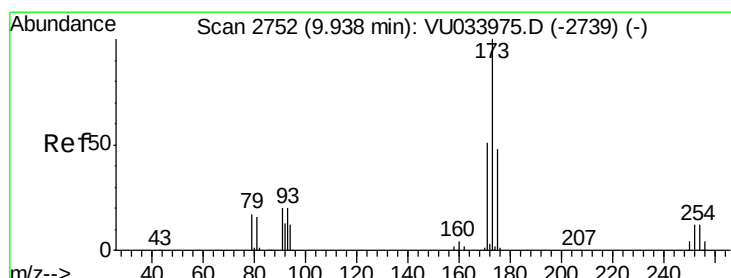
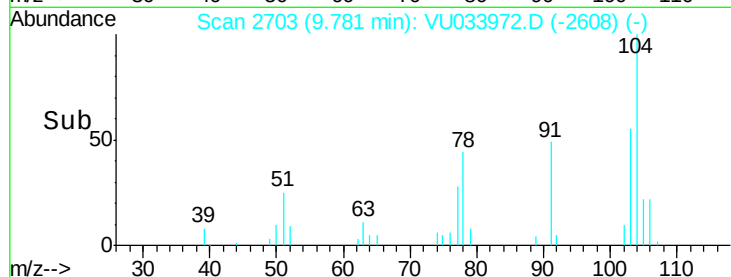
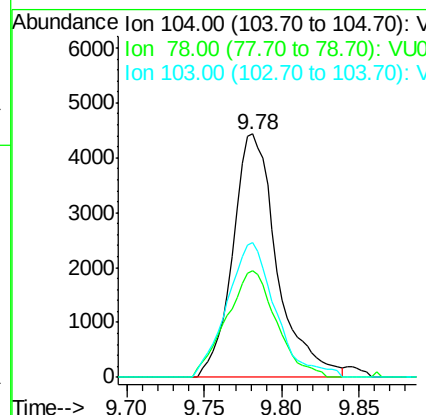
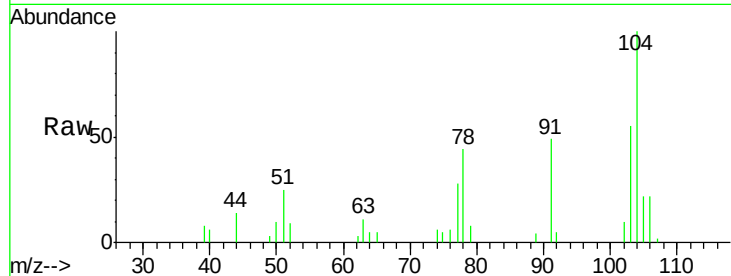
#70
Stvrene
Concen: 0.852 ug/l
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.1	37.5	56.3
103	60.7	43.9	65.9

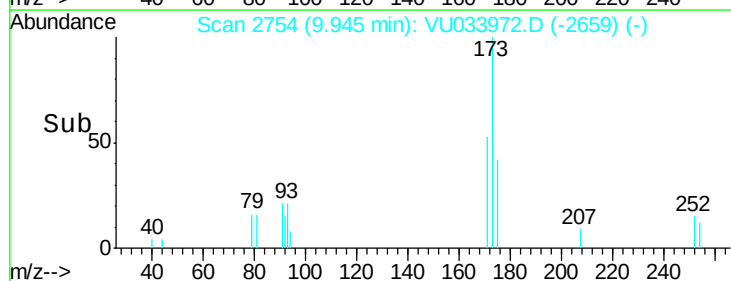
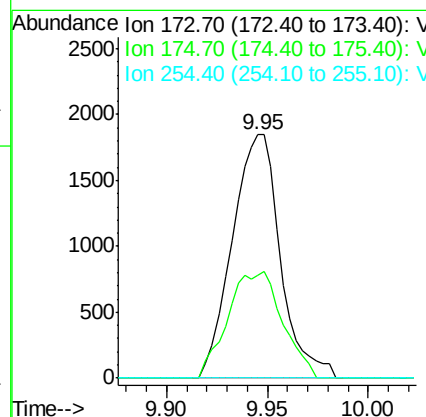
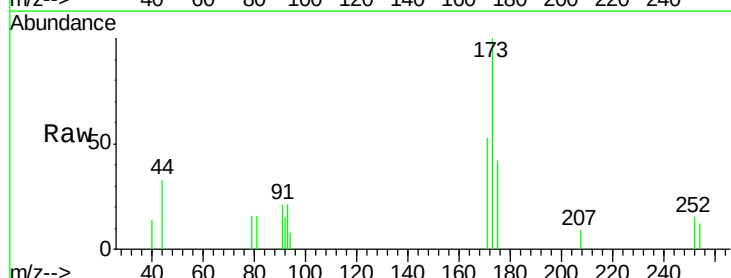
Manual Integrations
APPROVED

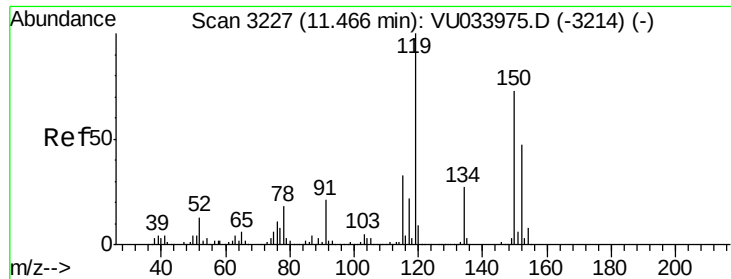
MMDadoda
8/28/2019 9:57:37 AM



#71
Bromoform
Concen: 0.946 ug/l
RT: 9.95 min Scan# 2754
Delta R.T. 0.01 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	72.9
254	0.0	0.1	0.1#





#72

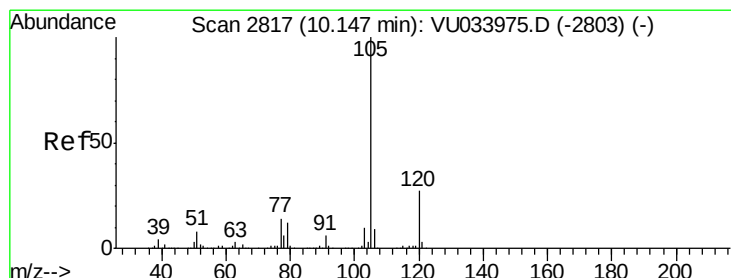
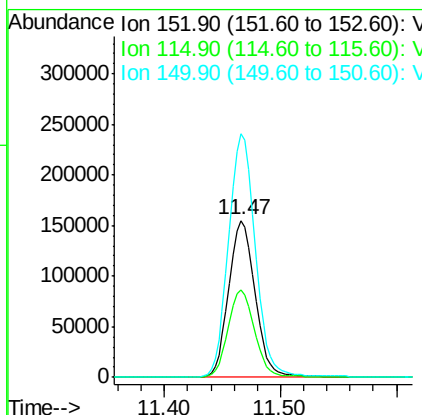
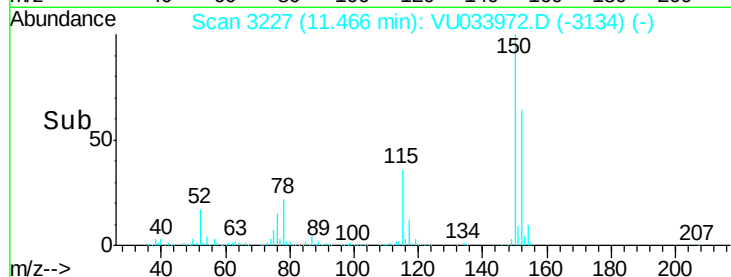
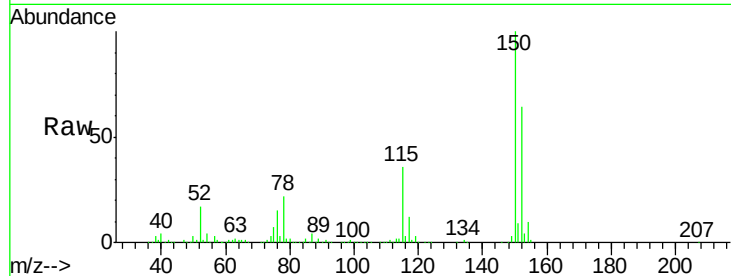
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.47 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
152	100	245190		
115	56.1	38.6	115.7	
150	156.0	0.0	343.8	

Manual Integrations
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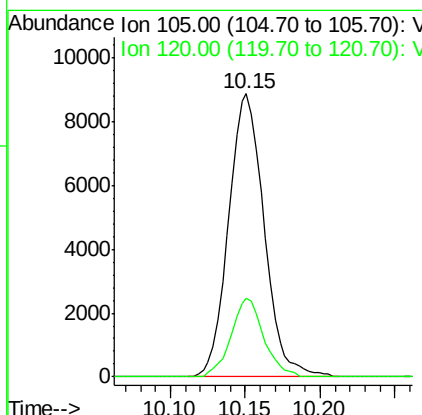
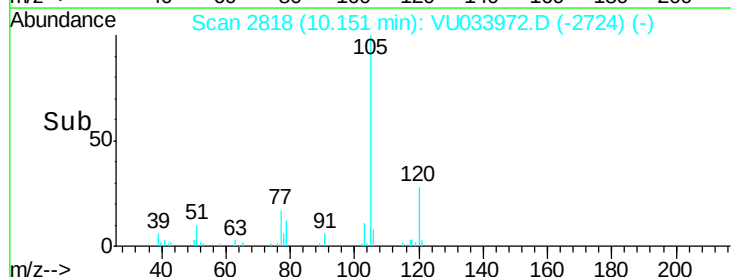
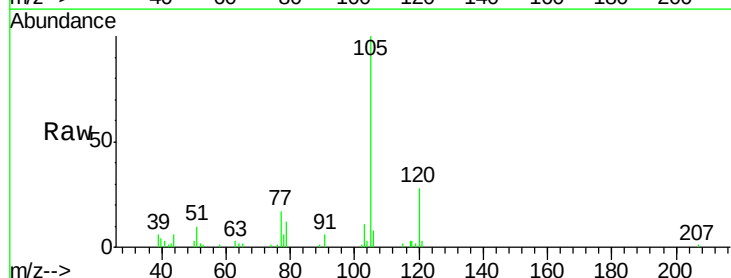
MMDadoda
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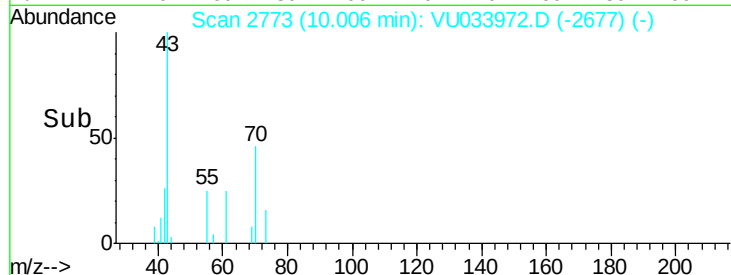
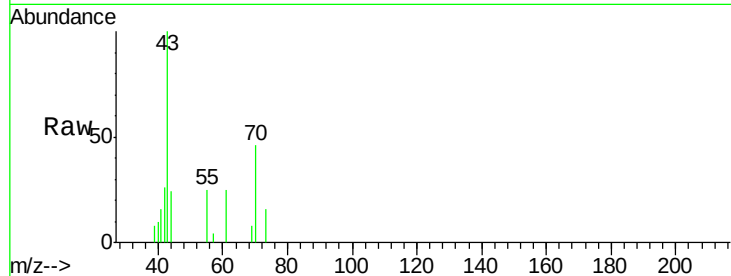
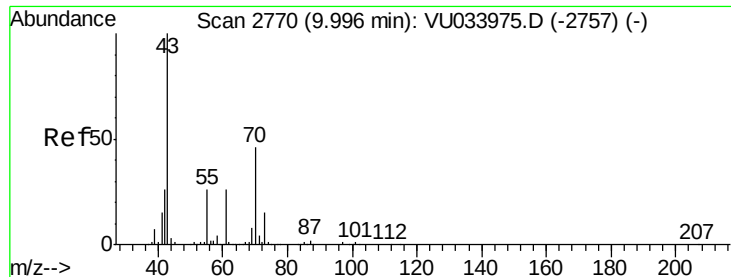


#73

Isopropylbenzene
Concen: 0.972 ug/l
RT: 10.15 min Scan# 2818
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	14694		
120	25.5	13.5	40.5	





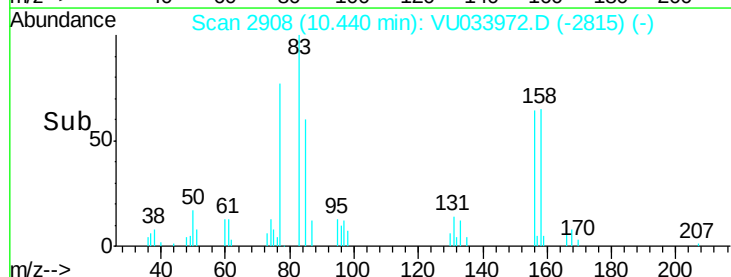
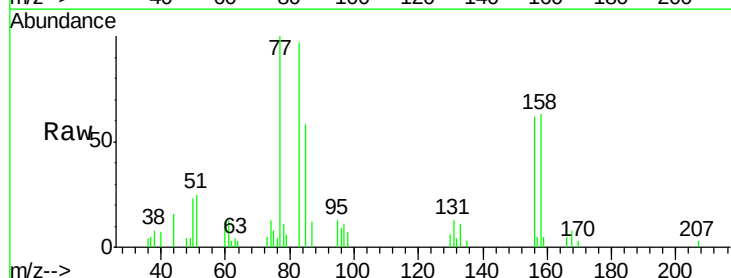
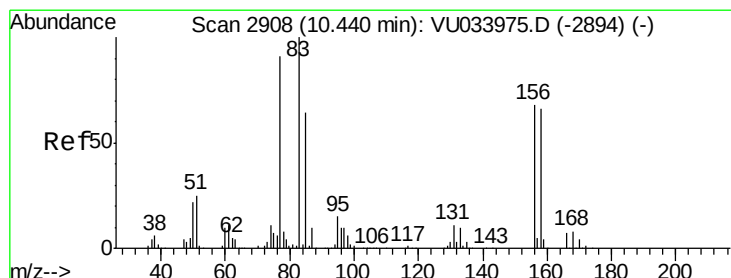
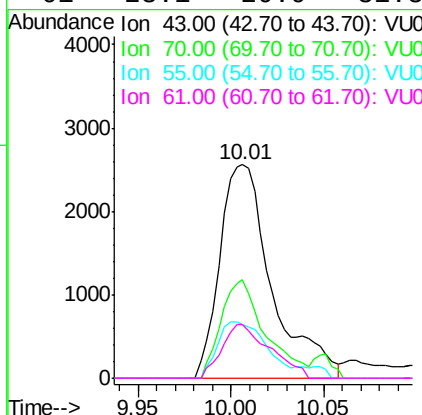
#74
N-amvl acetate
Concen: 0.786 ug/l
RT: 10.01 min Scan# 2773
Delta R.T. 0.01 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tot Ion:	43	Resp:	4992
Ion	Ratio	Lower	Upper
43	100		
70	39.4	37.4	56.0
55	24.9	21.0	31.4
61	23.1	20.9	31.3

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

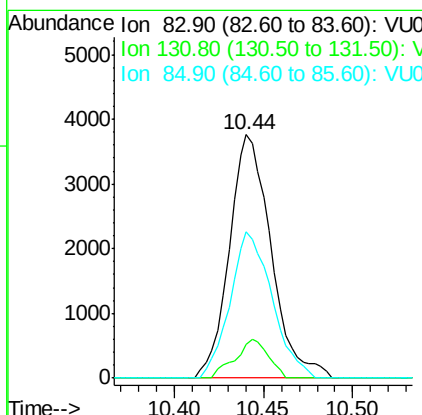
Manual Integrations
APPROVED

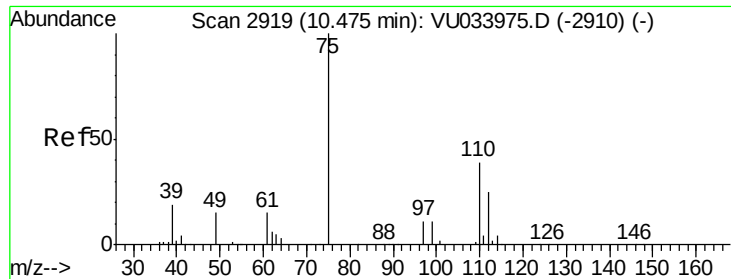
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8/28/2019 9:57:37 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 0.968 ug/l
RT: 10.44 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion:	83	Resp:	6124
Ion	Ratio	Lower	Upper
83	100		
131	12.6	5.3	16.1
85	60.5	32.0	96.0





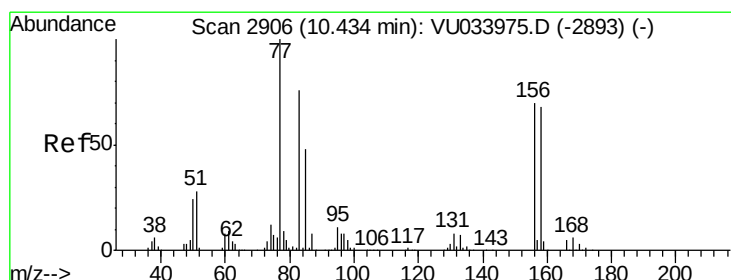
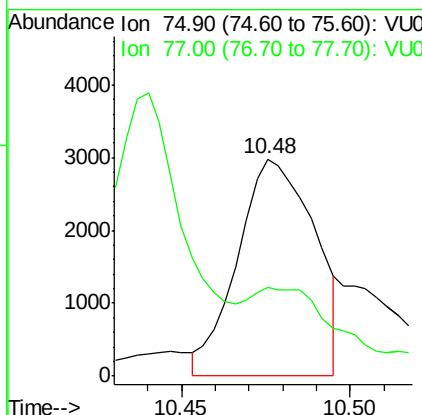
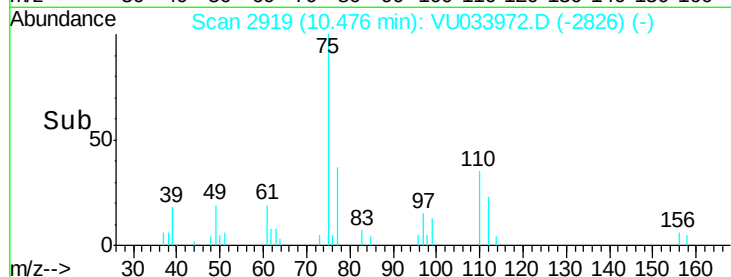
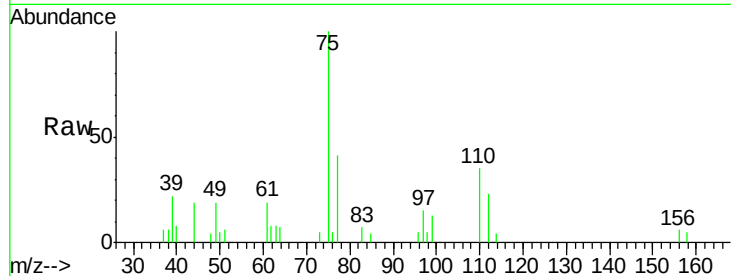
#76
 1,2,3-Trichloropropane
 Concen: 0.854 ug/l m
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 4761
 Ion Ratio Lower Upper
 75 100
 77 0.0 21.0 63.0#

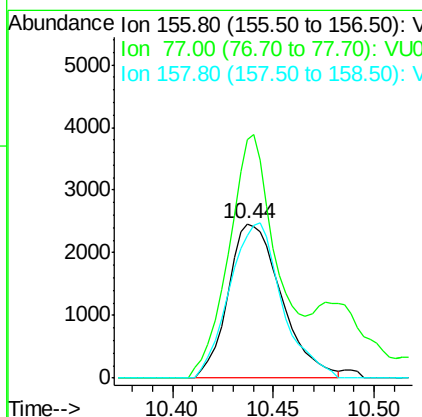
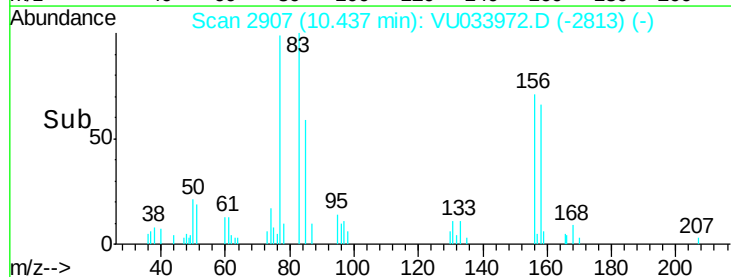
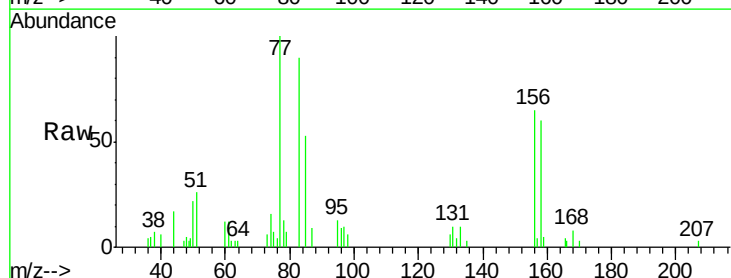
Manual Integrations
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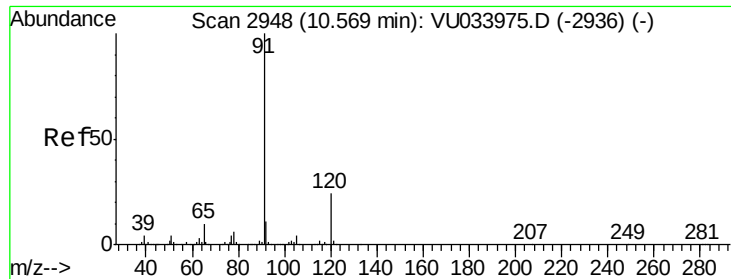
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#77
 Bromobenzene
 Concen: 1.119 ug/l
 RT: 10.44 min Scan# 2907
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion: 156 Resp: 4565
 Ion Ratio Lower Upper
 156 100
 77 140.9 70.3 211.1
 158 98.3 48.3 144.8





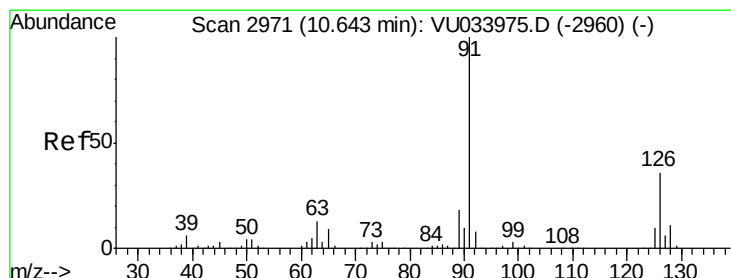
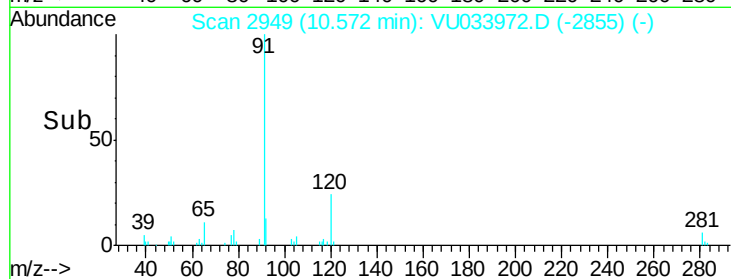
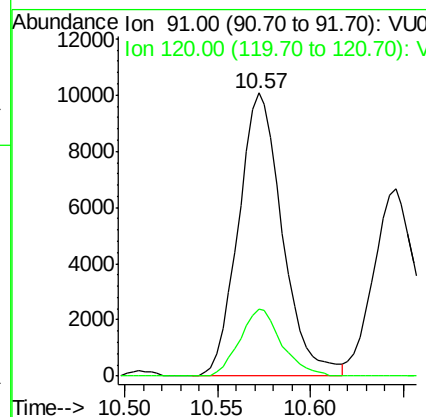
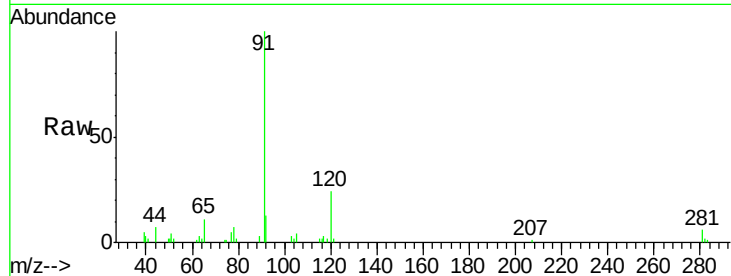
#78
n-propylbenzene
Concen: 0.927 ug/l
RT: 10.57 min Scan# 2949
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		16581		
120	22.4		12.0	36.0	

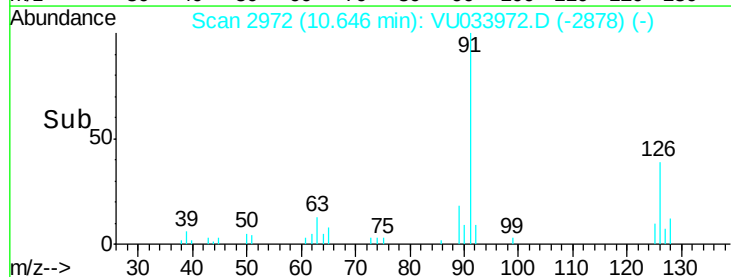
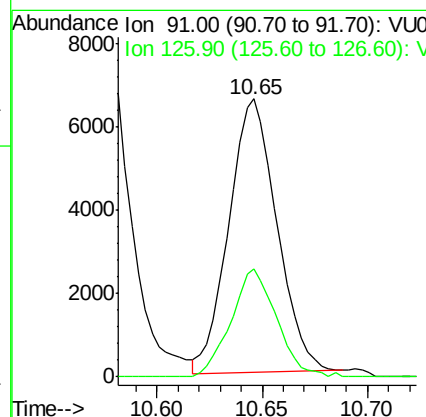
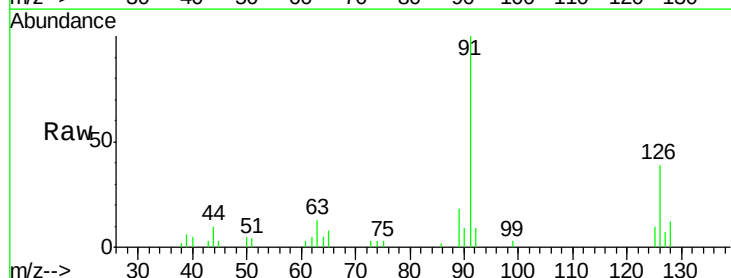
Manual Integrations
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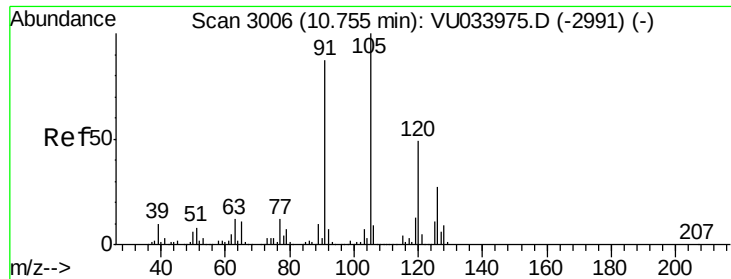
MMDadoda
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#79
2-Chlorotoluene
Concen: 0.965 ug/l
RT: 10.65 min Scan# 2972
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		10354		
126	37.5		17.8	53.5	





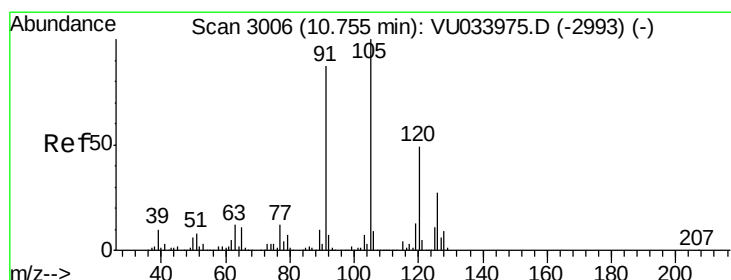
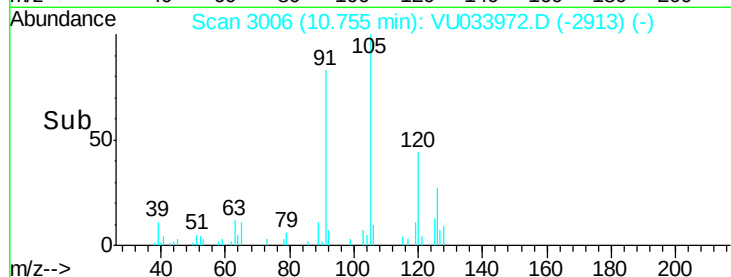
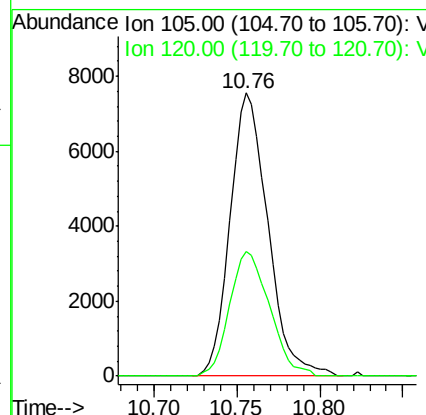
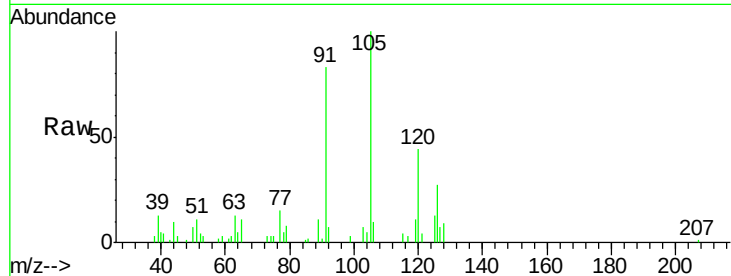
#80
1,3,5-Trimethylbenzene
Concen: 0.927 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:105 Resp: 11991
Ion Ratio Lower Upper
105 100
120 46.5 24.6 73.6

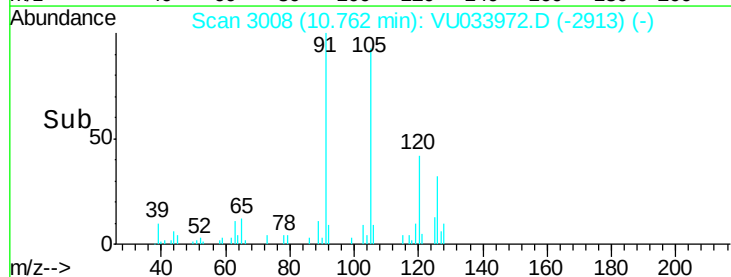
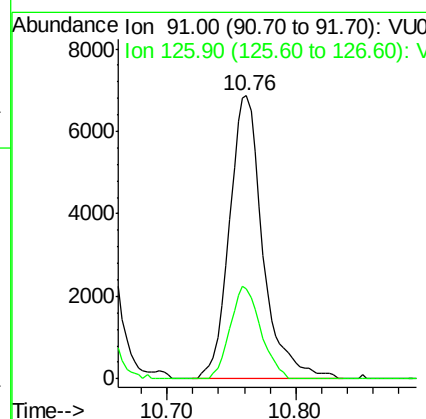
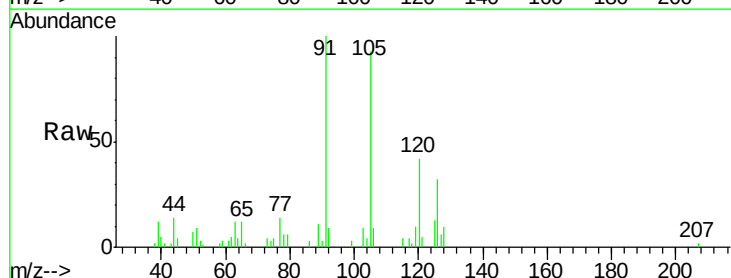
Manual Integrations
APPROVED

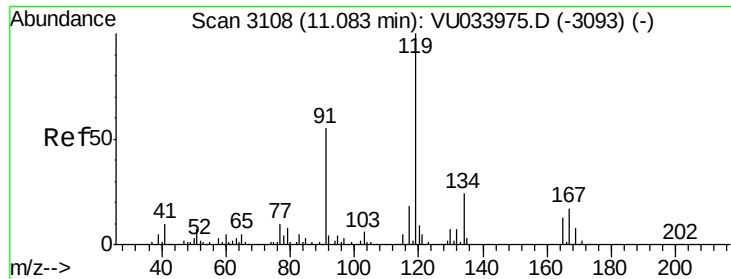
MMDadoda
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#82
4-Chlorotoluene
Concen: 0.983 ug/l
RT: 10.76 min Scan# 3008
Delta R.T. 0.01 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion: 91 Resp: 12374
Ion Ratio Lower Upper
91 100
126 29.8 15.4 46.4





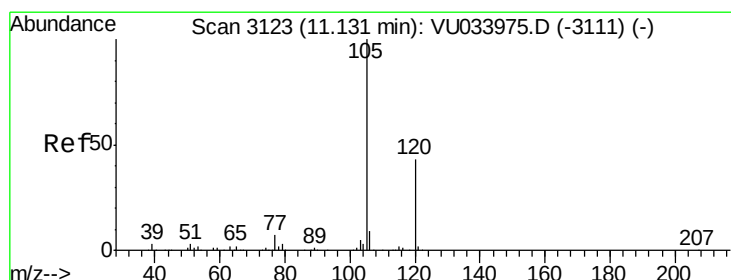
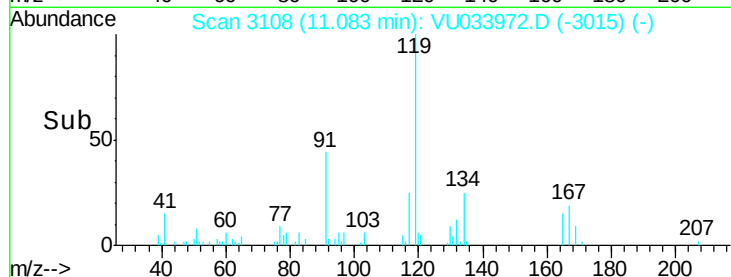
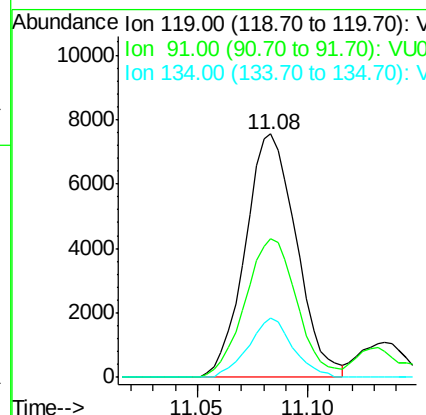
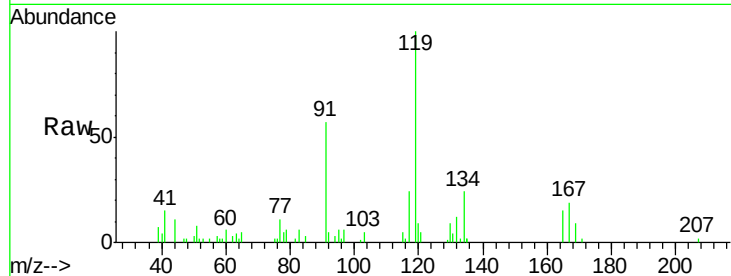
#83
 tert-Butylbenzene
 Concen: 1.004 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	27.6	82.8
134	21.1	11.6	34.7

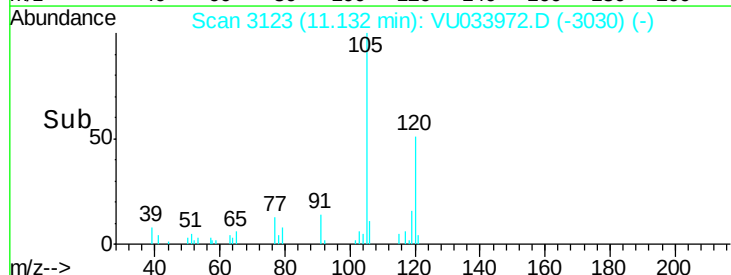
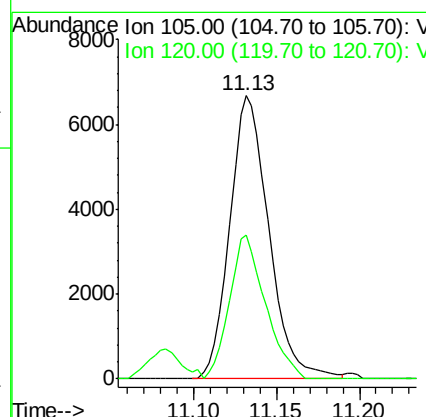
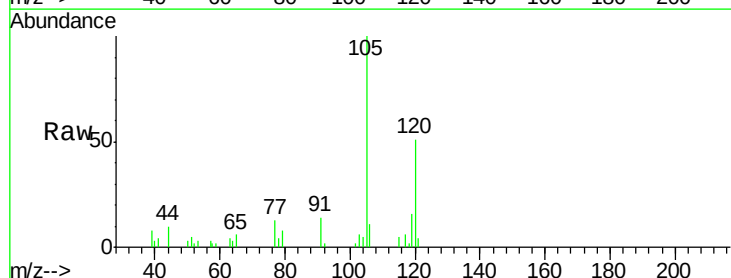
Manual Integrations
 APPROVED

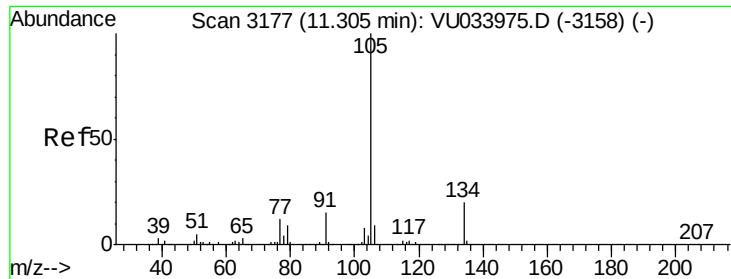
MMDadoda
 8/28/2019 9:57:37 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 0.872 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.3	69.9





#85

sec-Butylbenzene

Concen: 0.920 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. 0.00 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 13921

Ion Ratio Lower Upper

105 100

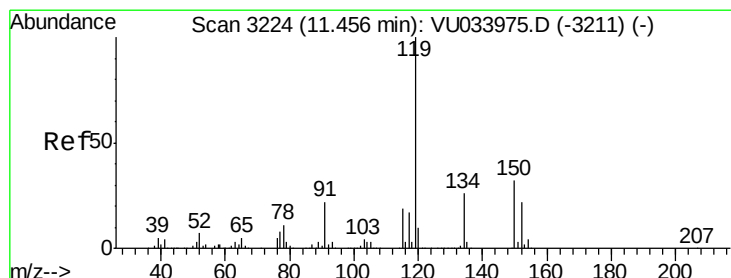
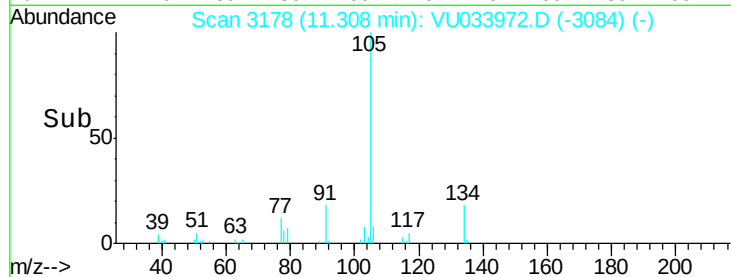
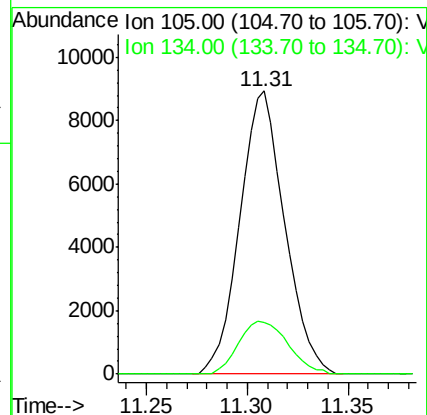
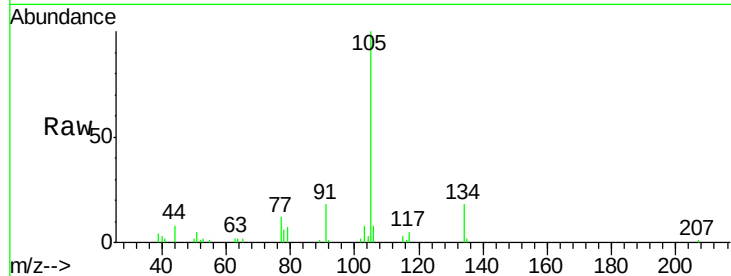
134 20.6 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 0.906 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. 0.00 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

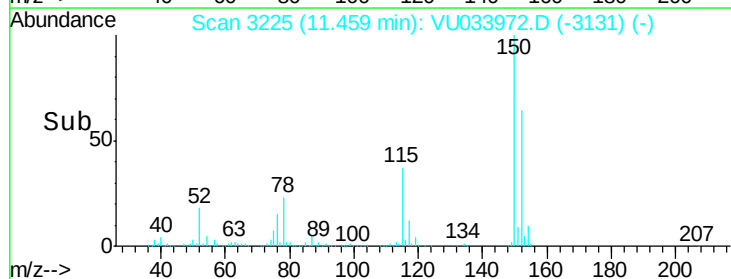
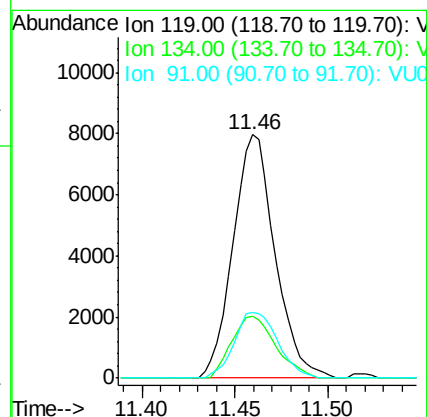
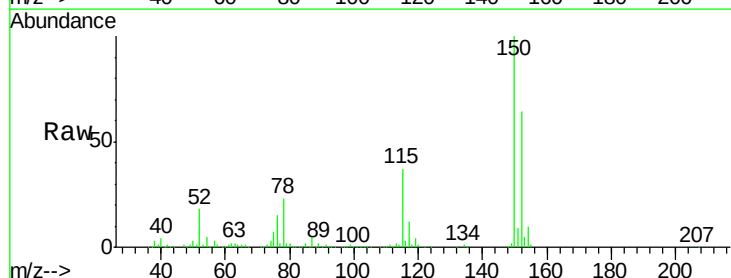
Tgt Ion:119 Resp: 12489

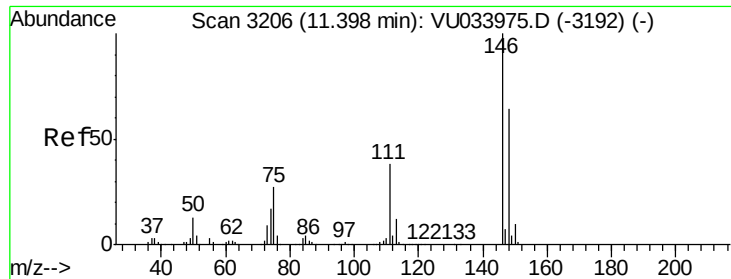
Ion Ratio Lower Upper

119 100

134 26.7 13.0 38.9

91 28.1 10.9 32.9





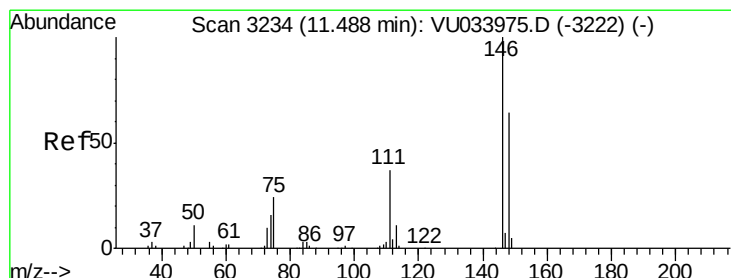
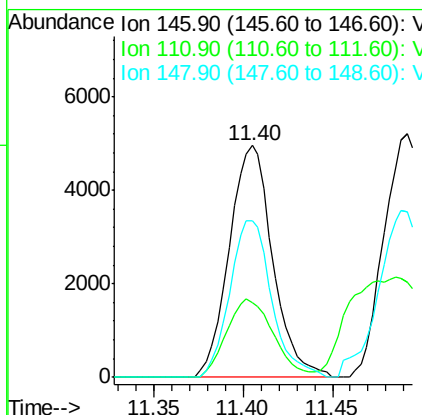
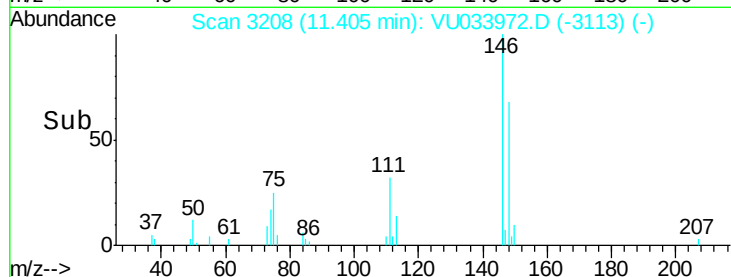
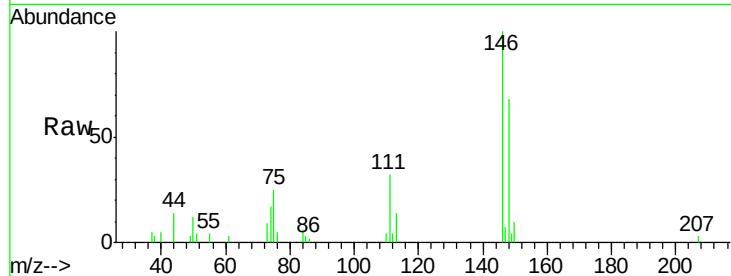
#87
 1,3-Dichlorobenzene
 Concen: 1.090 ug/l
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.01 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.8	56.4
148	65.3	31.9	95.7

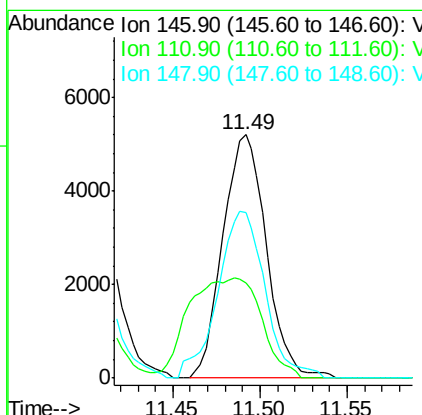
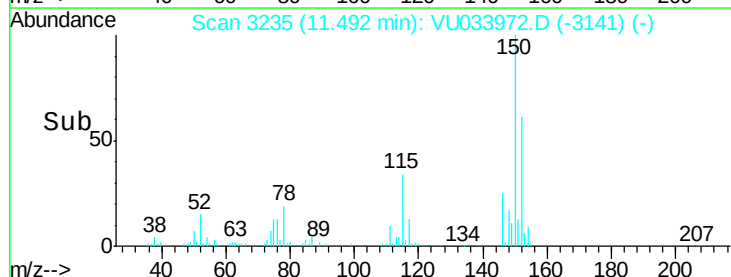
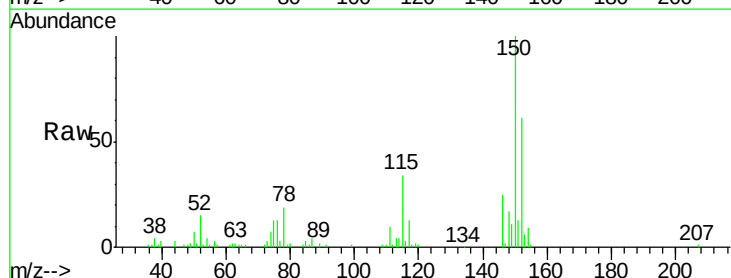
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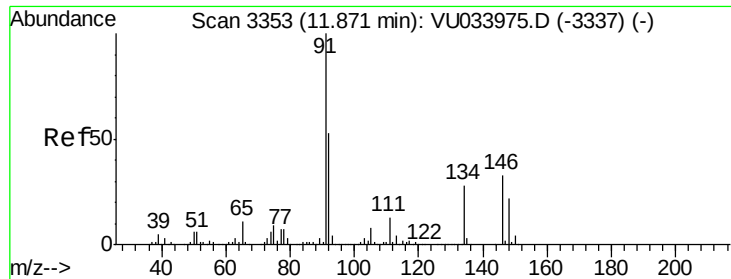
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#88
 1,4-Dichlorobenzene
 Concen: 1.137 ug/l m
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.9	18.8	56.4
148	60.6	31.9	95.7





#89

n-Butylbenzene

Concen: 0.848 ug/l

RT: 11.88 min Scan# 3353

Delta R.T. 0.01 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Instrument :

MSVOA_U

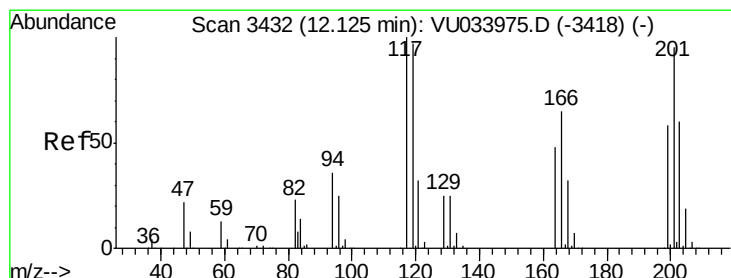
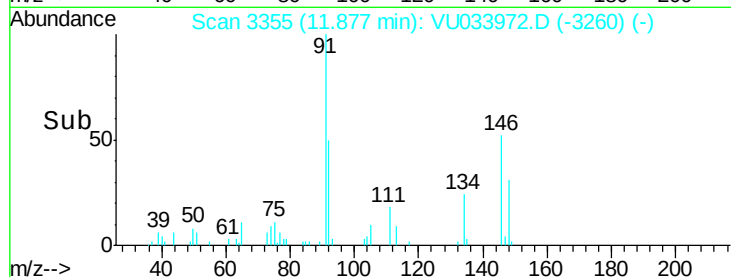
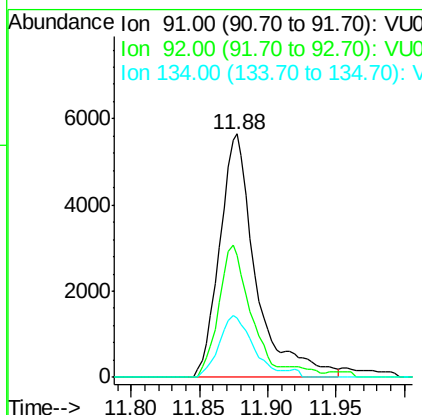
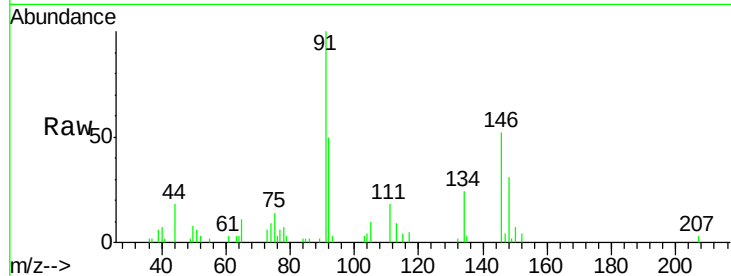
ClientSampleId :

VSTDIC001

Tot Ion:	91	Resp:	10433
Ion	Ratio	Lower	Upper
91	100		
92	47.2	26.7	80.0
134	23.5	13.6	40.8

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#90

Hexachloroethane

Concen: 0.906 ug/l

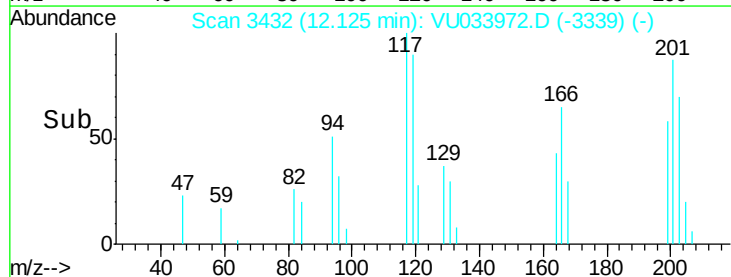
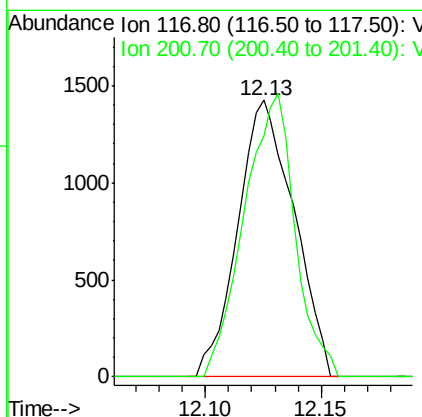
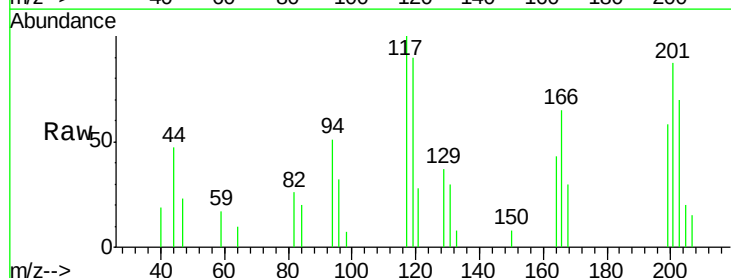
RT: 12.13 min Scan# 3432

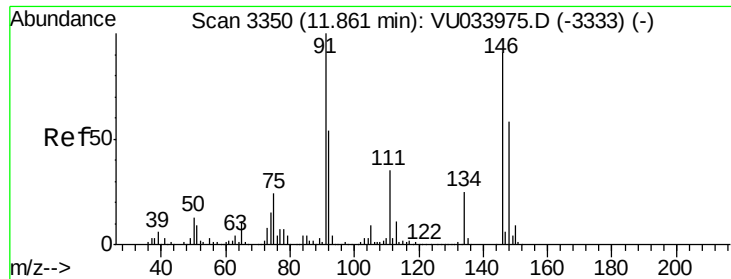
Delta R.T. 0.00 min

Lab File: VU033972.D

Acq: 27 Aug 2019 14:19

Tgt Ion:	117	Resp:	2404
Ion	Ratio	Lower	Upper
117	100		
201	92.3	47.5	142.5





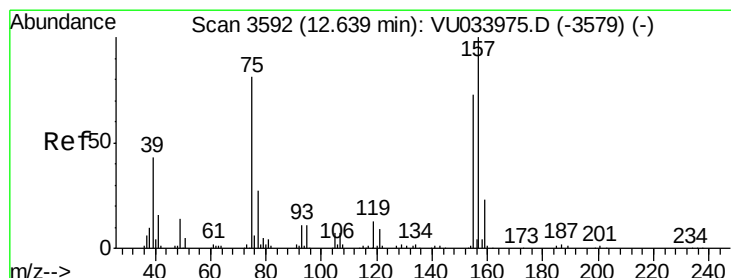
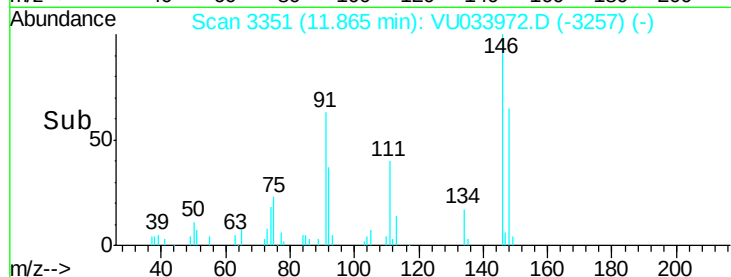
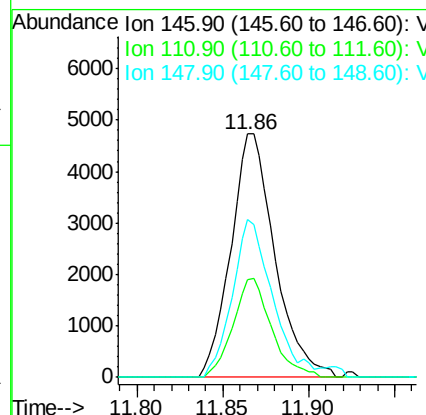
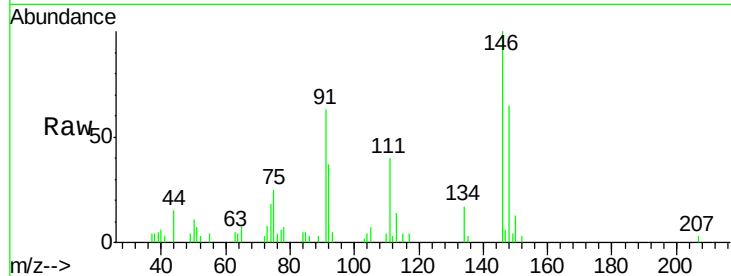
#91
 1,2-Dichlorobenzene
 Concen: 1.144 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	19.8	59.3
148	59.6	32.0	96.2

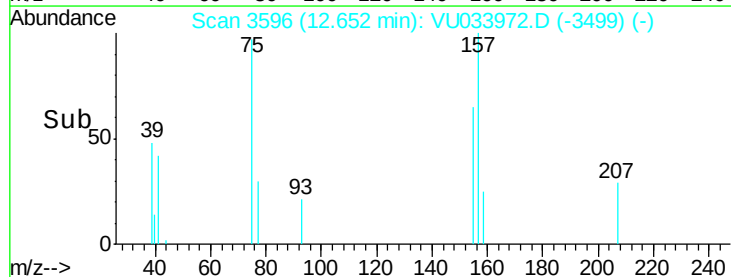
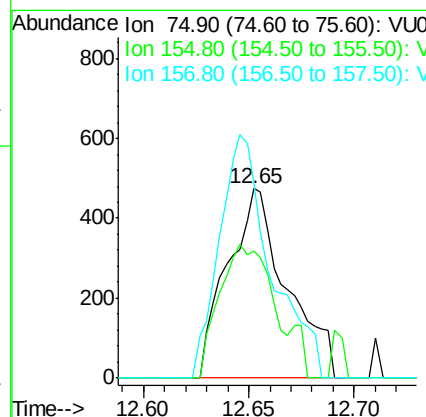
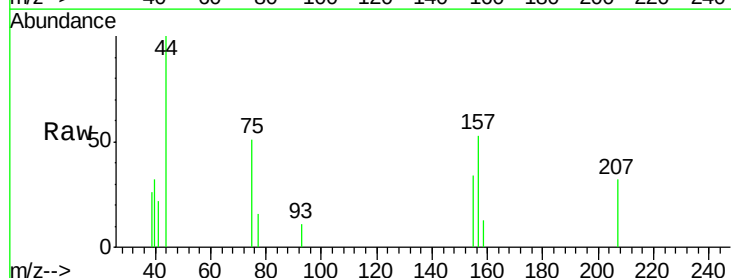
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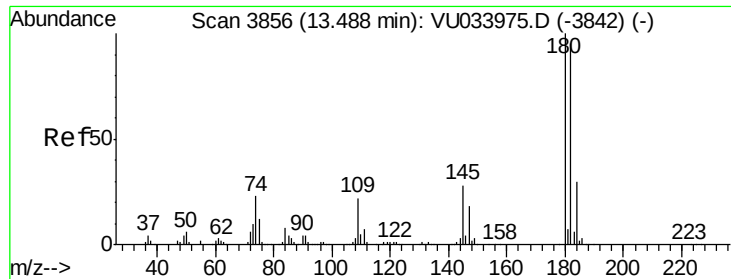
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.710 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.01 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.6	46.9	140.6
157	111.7	61.2	183.6





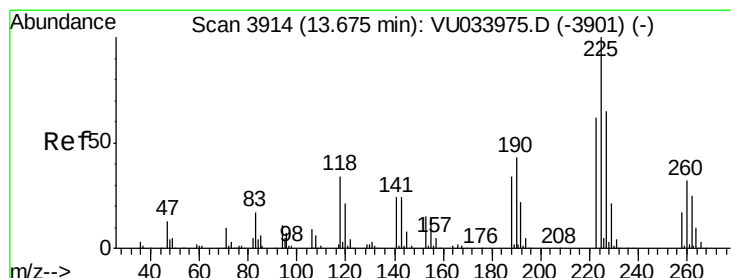
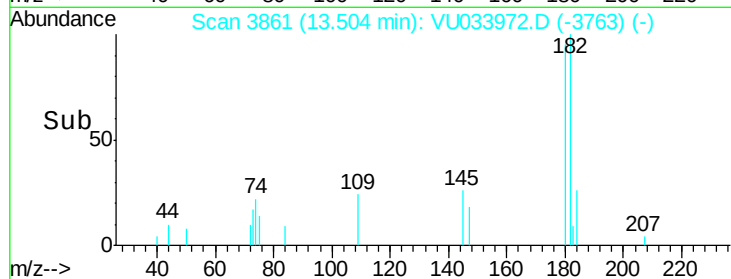
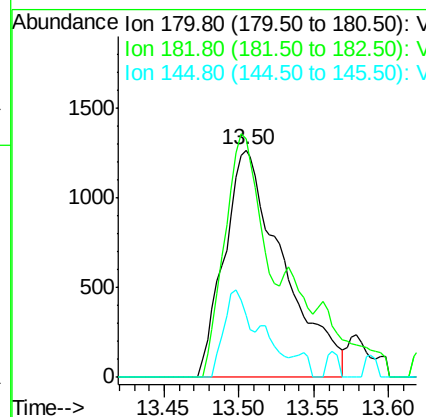
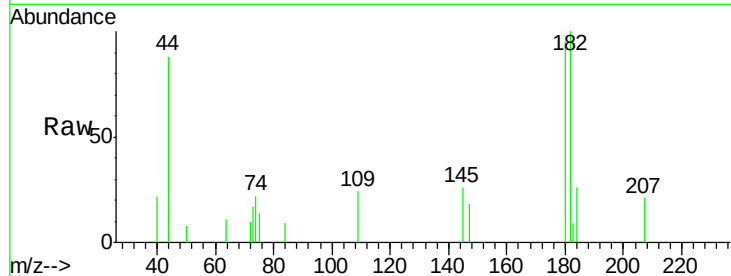
#93
 1,2,4-Trichlorobenzene
 Concen: 0.774 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.02 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	71.5	47.4	142.2
145	16.5	14.4	43.2

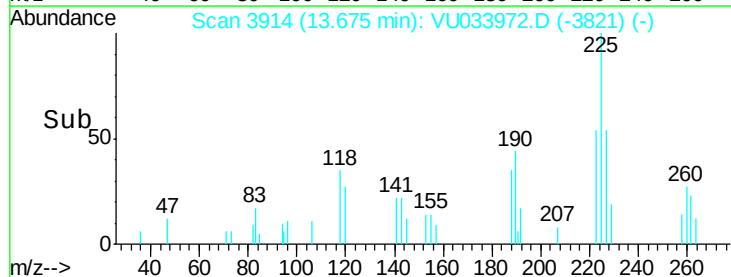
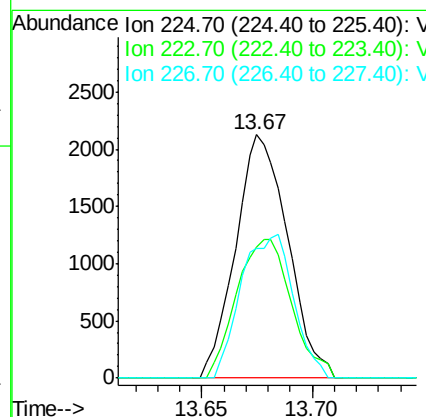
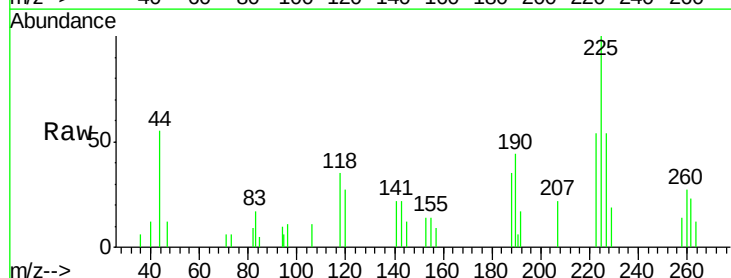
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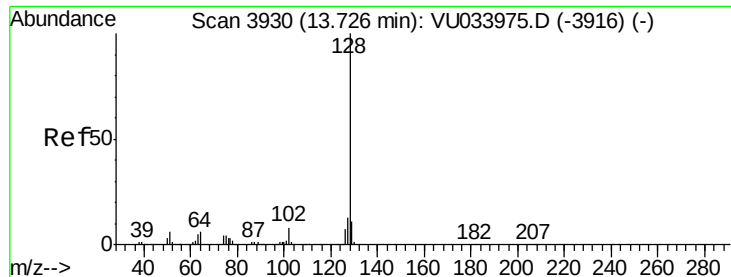
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#94
 Hexachlorobutadiene
 Concen: 1.241 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU033972.D
 Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.7	95.1
227	59.4	33.0	99.0





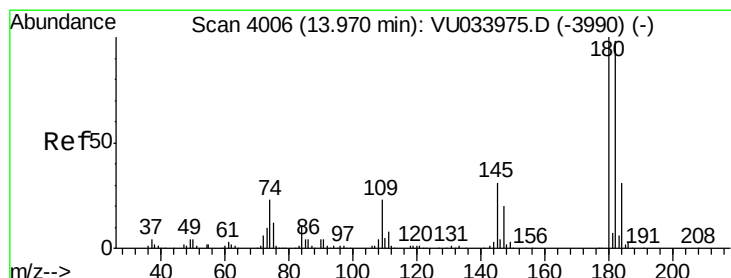
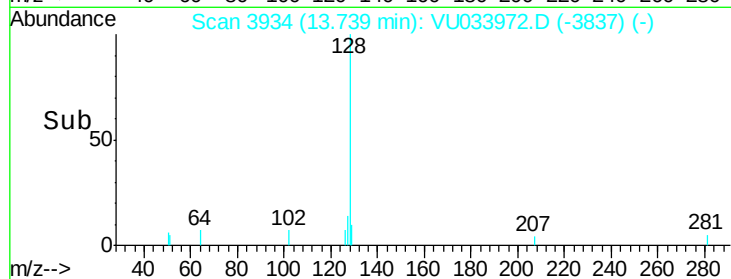
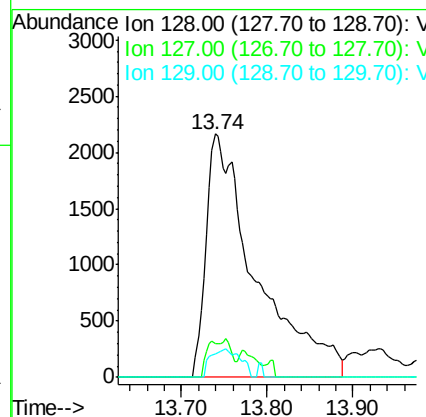
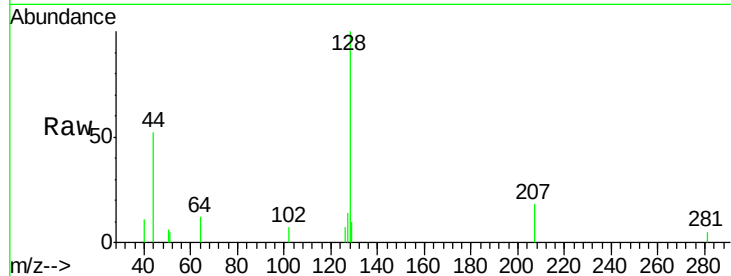
#95
Naphthalene
Concen: 0.712 ug/l m
RT: 13.74 min Scan# 3934
Delta R.T. 0.01 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	4.2	10.2	15.4#
129	6.9	8.5	12.7#

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 1.006 ug/l m
RT: 13.99 min Scan# 4011
Delta R.T. 0.02 min
Lab File: VU033972.D
Acq: 27 Aug 2019 14:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	63.5	48.4	145.3
145	26.1	15.1	45.3

