

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034020.D
 Acq On : 28 Aug 2019 13:37
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:47:18 AM

Quant Time: Aug 29 03:47:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 03:17:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	441774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	703187	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	701118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	371501	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	776759	151.36	ug/l	0.00
Spiked Amount			Recovery	=	302.72%	
35) Dibromofluoromethane	4.86	113	661449	137.95	ug/l	0.00
Spiked Amount			Recovery	=	275.90%	
50) Toluene-d8	7.55	98	2606084	146.15	ug/l	0.00
Spiked Amount			Recovery	=	292.30%	
62) 4-Bromofluorobenzene	10.29	95	1040344	150.84	ug/l	0.00
Spiked Amount			Recovery	=	301.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	668281	146.526	ug/l	99
3) Chloromethane	1.32	50	863313	149.619	ug/l	99
4) Vinyl Chloride	1.40	62	857458	177.970	ug/l	99
5) Bromomethane	1.59	94	394087	140.042	ug/l	100
6) Chloroethane	1.66	64	489215	170.700	ug/l	99
7) Trichlorofluoromethane	1.86	101	976644	159.480	ug/l	98
8) Diethyl Ether	2.09	74	425670	178.897	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.26	101	600611	155.071	ug/l	99
10) Methyl Iodide	2.39	142	916212	157.359	ug/l	100
11) Tert butyl alcohol	2.84	59	996086	759.925	ug/l	100
12) 1,1-Dichloroethene	2.26	96	628455	155.252	ug/l	99
13) Acrolein	2.18	56	374170	845.124	ug/l	98
14) Allyl chloride	2.57	41	1191530	164.179	ug/l	99
15) Acrylonitrile	2.92	53	2215170	820.793	ug/l	100
16) Acetone	2.31	43	1952750	785.977	ug/l	100
17) Carbon Disulfide	2.45	76	1970454	148.695	ug/l	100
18) Methyl Acetate	2.60	43	996616	163.359	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	2138049	157.589	ug/l	100
20) Methylene Chloride	2.68	84	743920	144.325	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	675328	147.559	ug/l	98
22) Diisopropyl ether	3.55	45	2193822	164.265	ug/l	95
23) Vinyl Acetate	3.50	43	9880605	868.186	ug/l	100
24) 1,1-Dichloroethane	3.42	63	1293005	156.778	ug/l	100
25) 2-Butanone	4.23	43	3055737	856.913	ug/l	99
26) 2,2-Dichloropropane	4.20	77	1046354	150.874	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	782754	152.513	ug/l	99
28) Bromochloromethane	4.52	49	596476	155.704	ug/l	98
29) Tetrahydrofuran	4.61	42	1867184	840.474	ug/l	99
30) Chloroform	4.65	83	1218063	145.237	ug/l	97
31) Cyclohexane	4.97	56	1155218	151.391	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	1057388	150.598	ug/l	99
36) 1,1-Dichloropropene	5.11	75	956569	145.216	ug/l	99
37) Ethyl Acetate	4.35	43	1081690	161.053	ug/l	99
38) Carbon Tetrachloride	5.11	117	910014	137.035	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	1187904	152.595	ug/l	100
40) Benzene	5.36	78	2857406	145.728	ug/l	100
41) Methacrylonitrile	4.52	41	591918	169.221	ug/l	100
42) 1,2-Dichloroethane	5.38	62	966352	145.213	ug/l	99
43) Isopropyl Acetate	5.53	43	1759535	170.379	ug/l	100
44) Trichloroethene	6.16	130	761613	138.432	ug/l	97
45) 1,2-Dichloropropane	6.41	63	798951	151.128	ug/l	100
46) Dibromomethane	6.54	93	516224	145.324	ug/l	100
47) Bromodichloromethane	6.74	83	1013277	149.255	ug/l	99
48) Methyl methacrylate	6.60	41	875943	176.629	ug/l	99
49) 1,4-Dioxane	6.59	88	428990	3272.057	ug/l	98
51) 4-Methyl-2-Pentanone	7.45	43	5987602	837.436	ug/l	99
52) Toluene	7.62	92	1830334	148.249	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	1235539	163.347	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	1303286	160.079	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	773219	147.500	ug/l	100
56) Ethyl methacrylate	8.00	69	1316685	176.275	ug/l	100
57) 1,3-Dichloropropane	8.22	76	1316424	154.396	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	2573885	936.775	ug/l	99
59) 2-Hexanone	8.35	43	4614112	840.338	ug/l	99
60) Dibromochloromethane	8.46	129	881057	151.186	ug/l	99
61) 1,2-Dibromoethane	8.57	107	823795	149.763	ug/l	99
64) Tetrachloroethene	8.21	164	644966	116.376	ug/l	98
65) Chlorobenzene	9.10	112	2096519	143.108	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	781157	144.297	ug/l	99
67) Ethyl Benzene	9.23	91	3675757	149.695	ug/l	100
68) m/p-Xylenes	9.36	106	2794964	296.025	ug/l	100
69) o-Xylene	9.76	106	1372171	151.637	ug/l	100
70) Styrene	9.77	104	2424045	156.453	ug/l	100
71) Bromoform	9.94	173	711702	148.520	ug/l #	99
73) Isopropylbenzene	10.15	105	3702740	150.991	ug/l	100
74) N-amyl acetate	10.00	43	1704498	180.834	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	1315573	147.585	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	1132105m	148.190	ug/l	
77) Bromobenzene	10.43	156	965189	140.582	ug/l	100
78) n-propylbenzene	10.57	91	4368413	156.452	ug/l	100
79) 2-Chlorotoluene	10.64	91	2532544	150.179	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	3206218	152.831	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	399761m	155.580	ug/l	
82) 4-Chlorotoluene	10.76	91	2963973	152.243	ug/l	100
83) tert-Butylbenzene	11.08	119	3169178	155.071	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	3246441	157.248	ug/l	100
85) sec-Butylbenzene	11.31	105	3813499	156.499	ug/l	100
86) p-Isopropyltoluene	11.46	119	3491961	153.956	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	1751511	143.948	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	1719099	140.113	ug/l	100
89) n-Butylbenzene	11.87	91	3222809	168.213	ug/l	99
90) Hexachloroethane	12.13	117	598929	159.075	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	1696190	141.929	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	299989	169.741	ug/l	99

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QLast Update : Thu Aug 29 03:17:02 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	1237449	169.112	ug/l	99
94) Hexachlorobutadiene	13.67	225	666466	137.409	ug/l	99
95) Naphthalene	13.73	128	3582727	184.683	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	1200240	158.790	ug/l	100

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

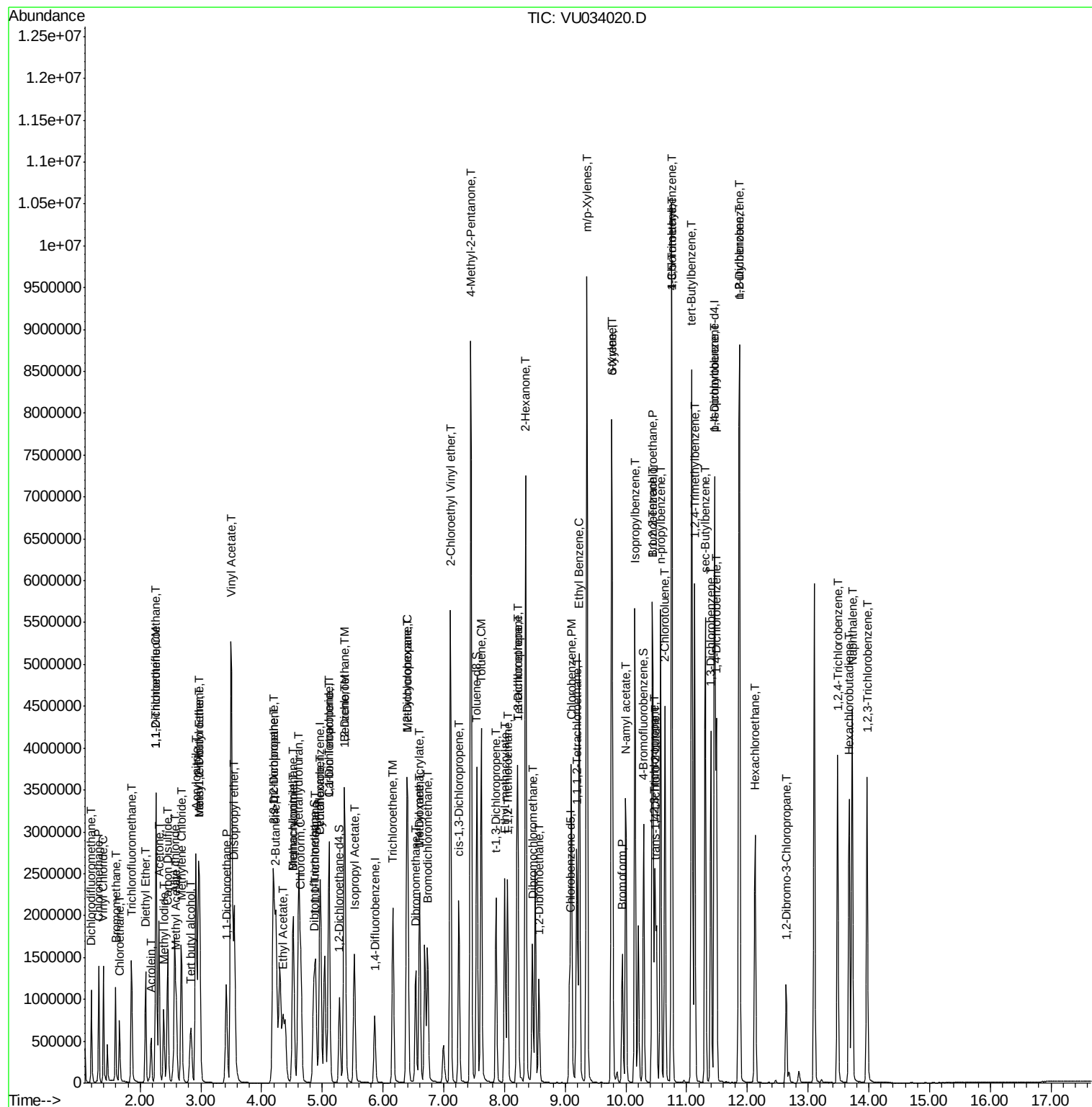
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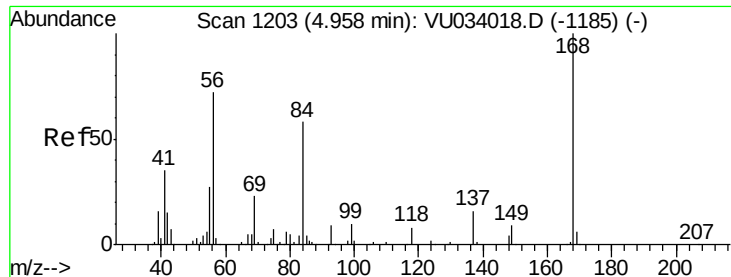
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 441774

Ion Ratio Lower Upper

168 100

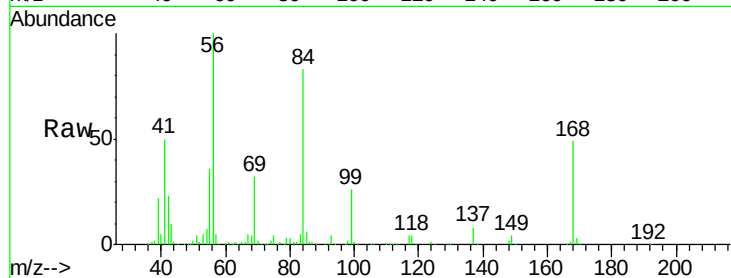
99 53.7 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034020.D (-1110) (-)

Ion 98.90 (98.60 to 99.60): VU034020.D (-1110) (-)

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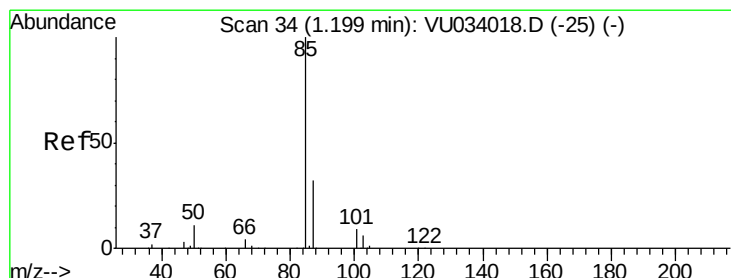
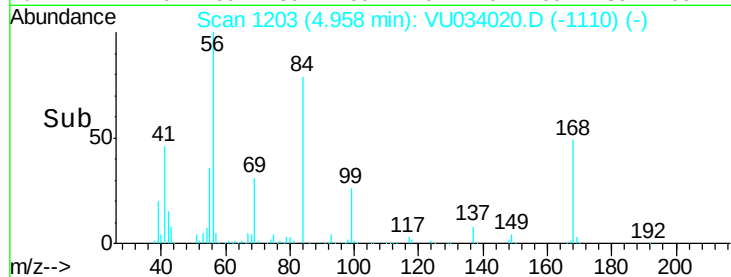
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#2

Dichlorodifluoromethane

Concen: 146.526 ug/l

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU034020.D

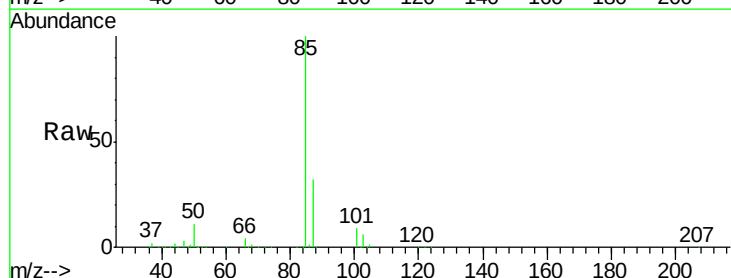
Acq: 28 Aug 2019 13:37

Tgt Ion: 85 Resp: 668281

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034020.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034020.D (-1) (-)

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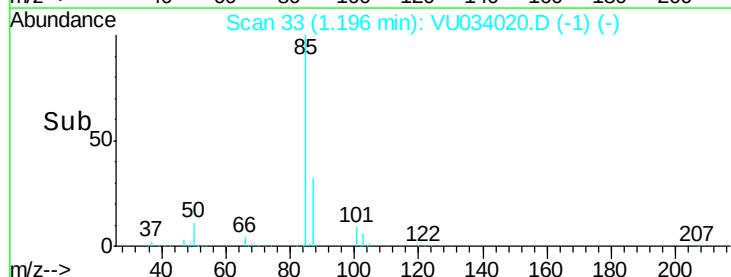
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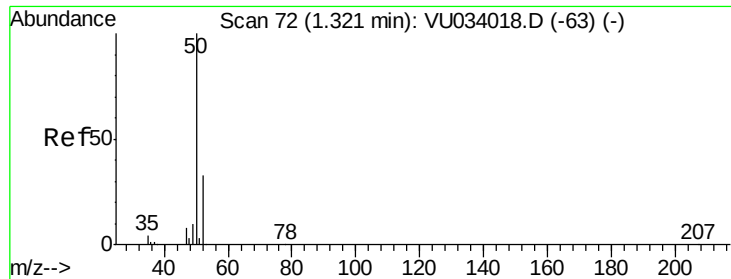
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#3

Chloromethane

Concen: 149.619 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 863313

Ion Ratio Lower Upper

50 100

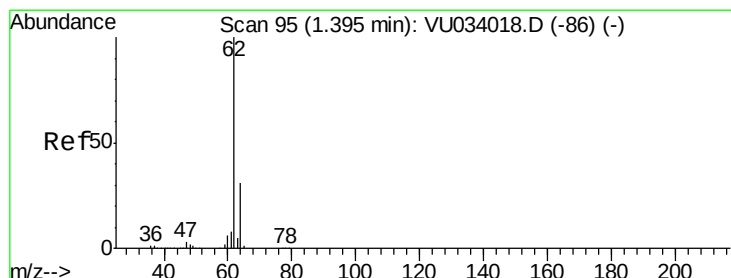
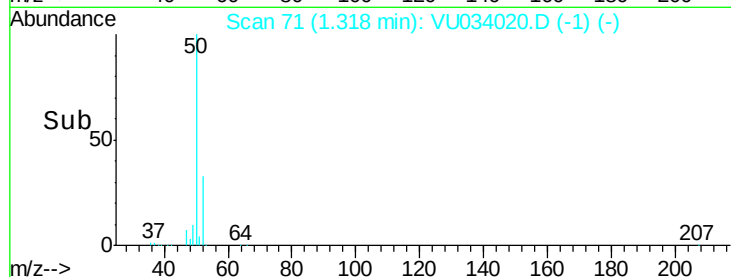
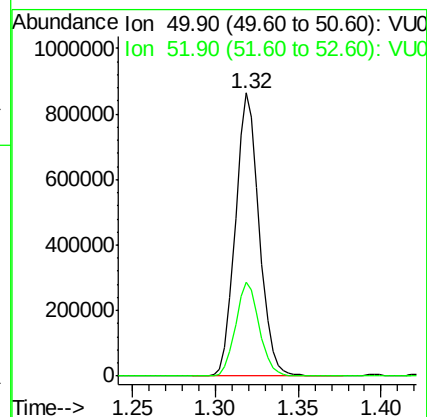
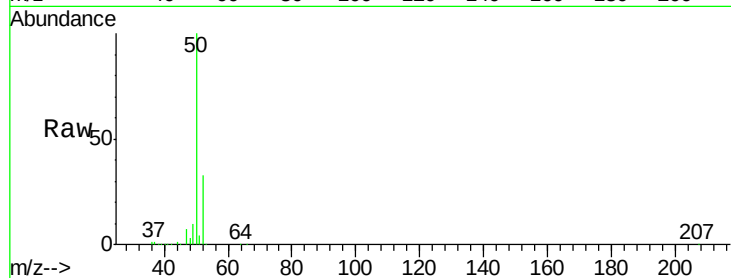
52 33.2 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 177.970 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034020.D

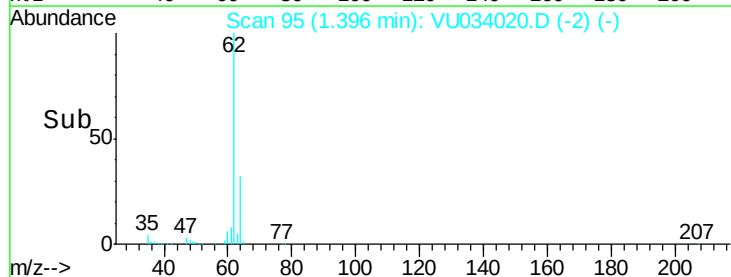
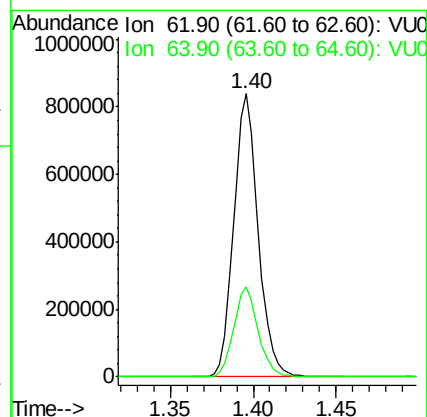
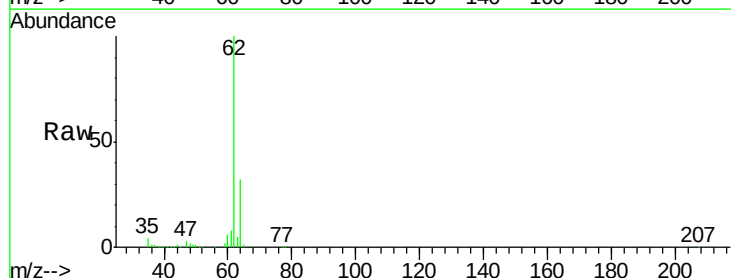
Acq: 28 Aug 2019 13:37

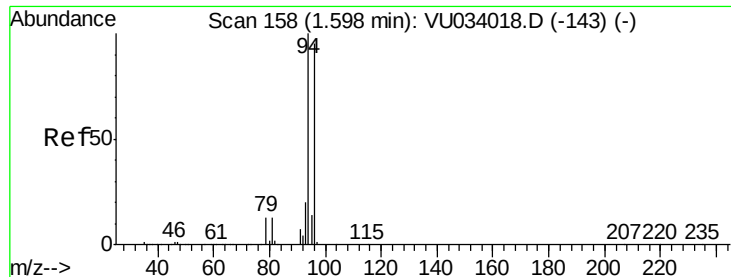
Tgt Ion: 62 Resp: 857458

Ion Ratio Lower Upper

62 100

64 31.6 25.0 37.6





#5

Bromomethane

Concen: 140.042 ug/l

RT: 1.59 min Scan# 157

Delta R.T. -0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 94 Resp: 394087

Ion Ratio Lower Upper

94 100

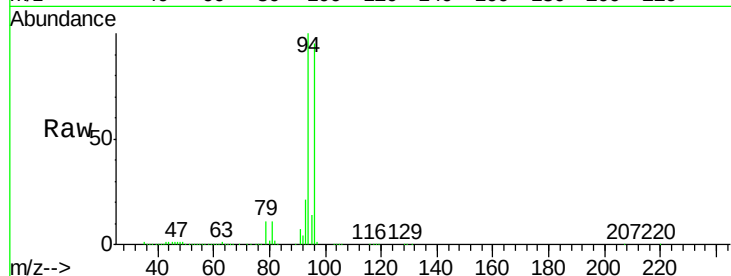
96 95.2 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU034018.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VU034020.D (-65) (-)

1.59

400000

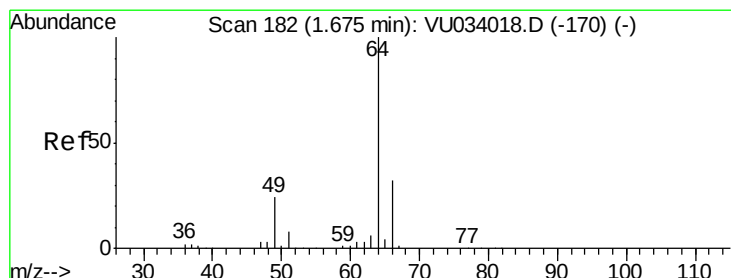
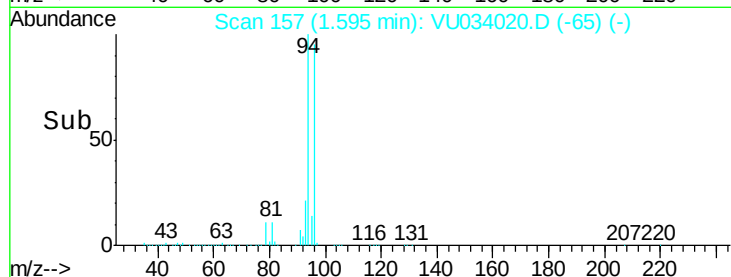
300000

200000

100000

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Time-->



#6

Chloroethane

Concen: 170.700 ug/l

RT: 1.66 min Scan# 177

Delta R.T. -0.02 min

Lab File: VU034020.D

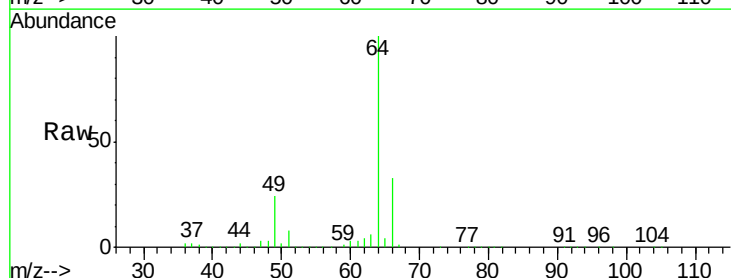
Acq: 28 Aug 2019 13:37

Tgt Ion: 64 Resp: 489215

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034018.D (-170) (-)

Ion 65.90 (65.60 to 66.60): VU034020.D (-89) (-)

1.66

400000

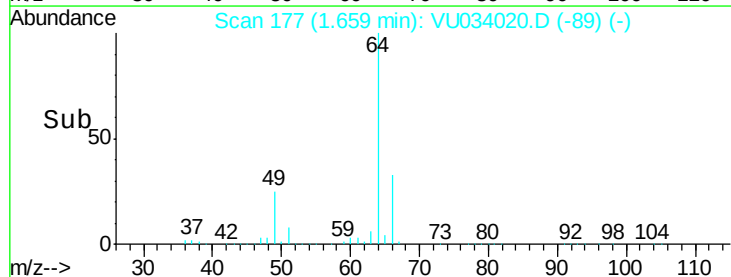
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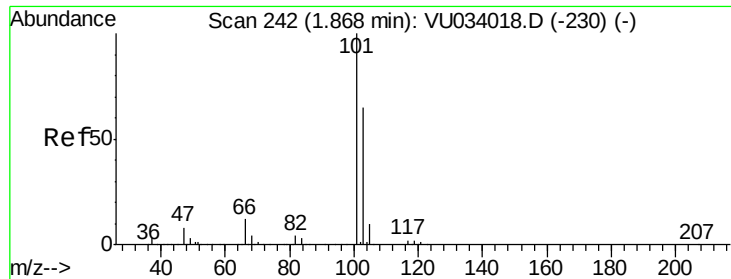
200000

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Time-->





#7

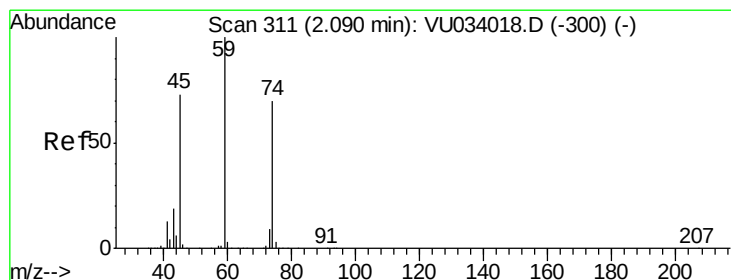
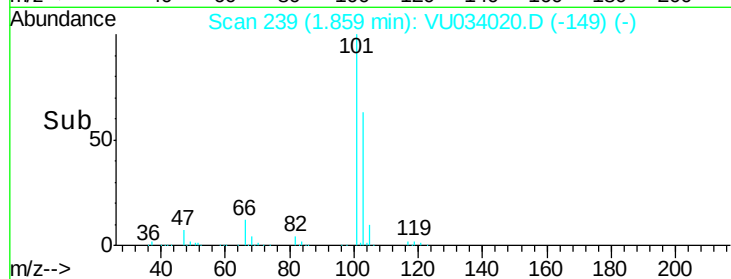
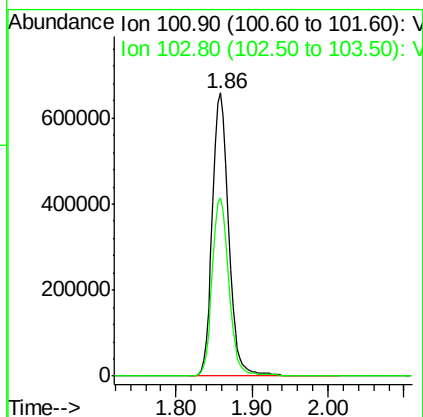
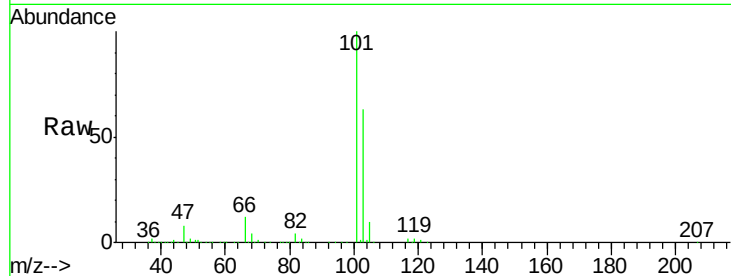
Trichlorofluoromethane
 Concen: 159.480 ug/l
 RT: 1.86 min Scan# 239
 Delta R.T. -0.01 min
 Lab File: VU034020.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	976644		
103	63.2	52.1	78.1	

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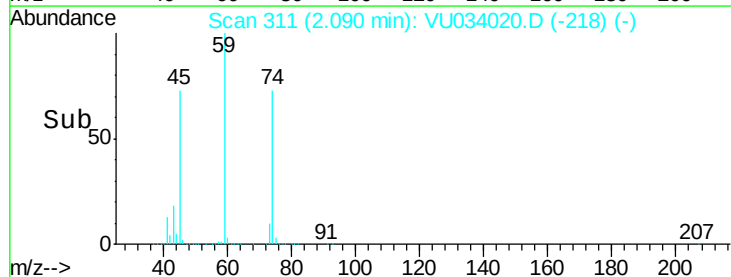
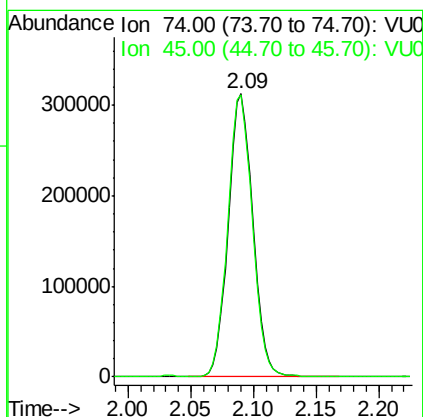
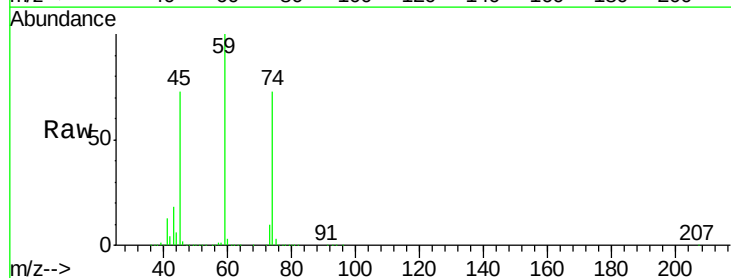
MMDadoda
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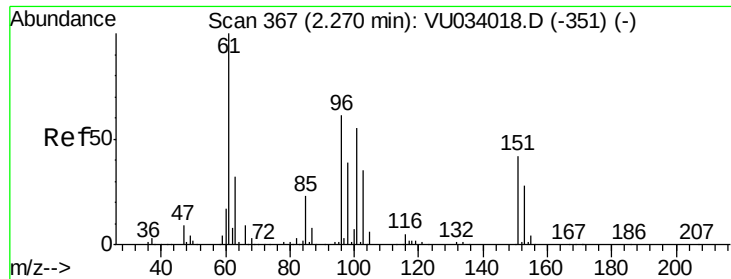


#8

Diethyl Ether
 Concen: 178.897 ug/l
 RT: 2.09 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	425670		
45	99.5	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 155.071 ug/l

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

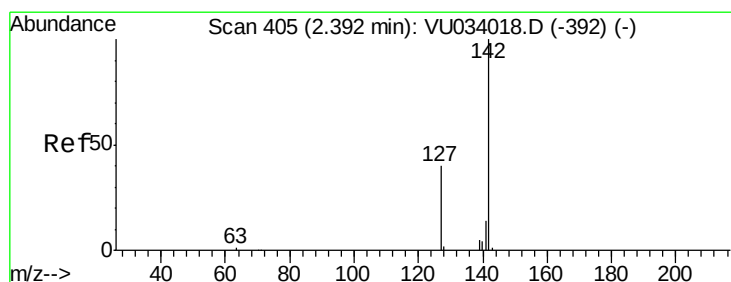
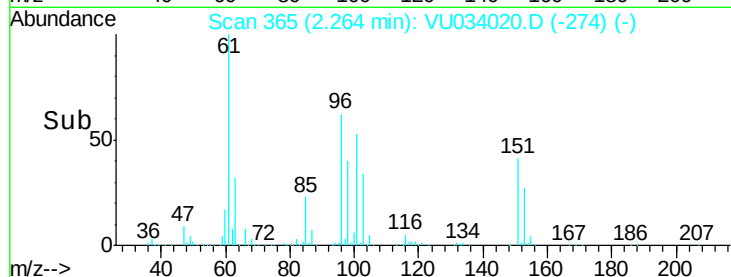
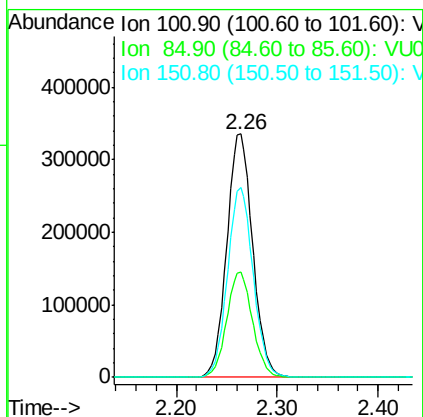
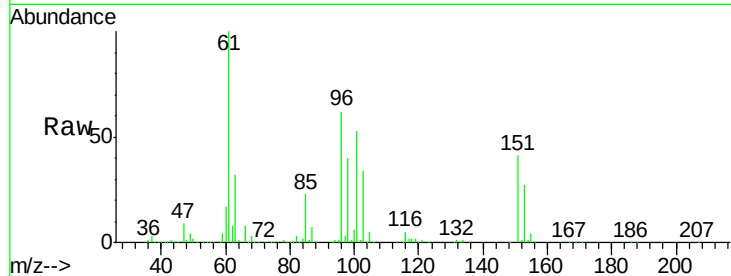
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	600611		
85	43.0		34.2	51.2
151	77.7		61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 157.359 ug/l

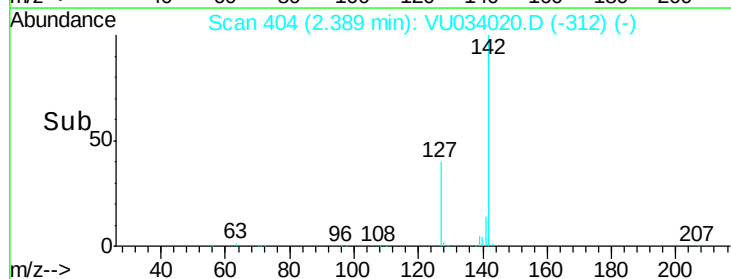
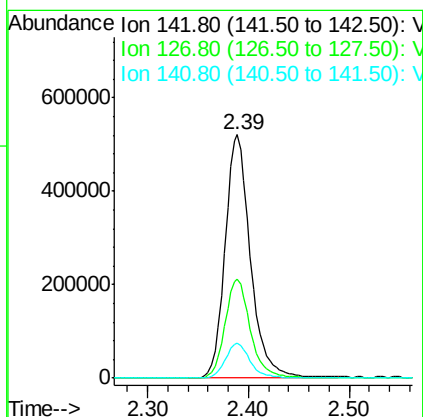
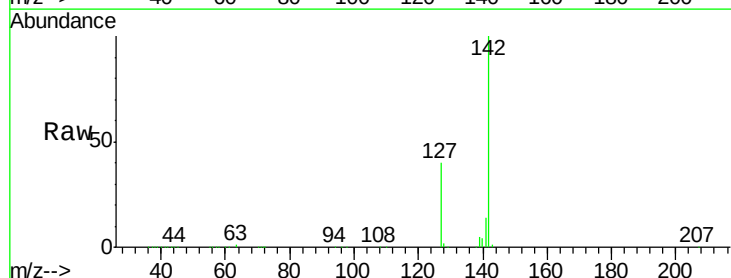
RT: 2.39 min Scan# 404

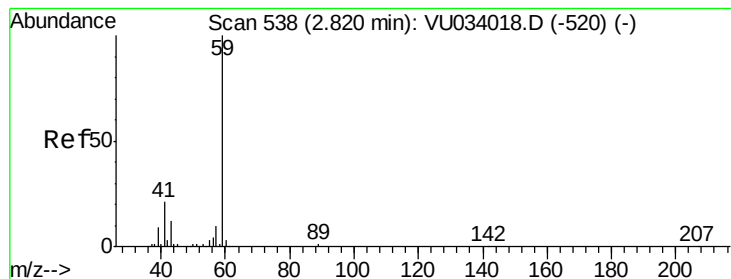
Delta R.T. -0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	916212		
127	40.8		32.6	48.8
141	14.2		11.3	16.9





#11

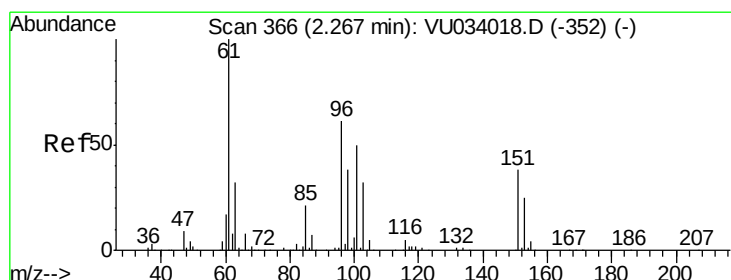
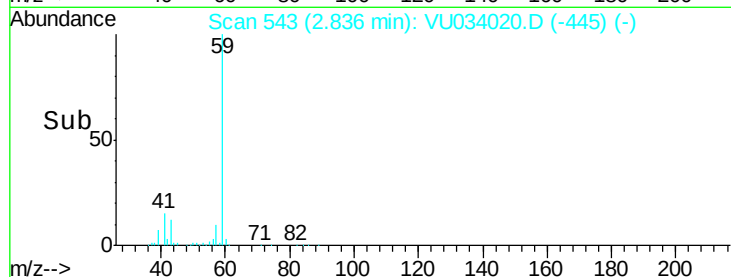
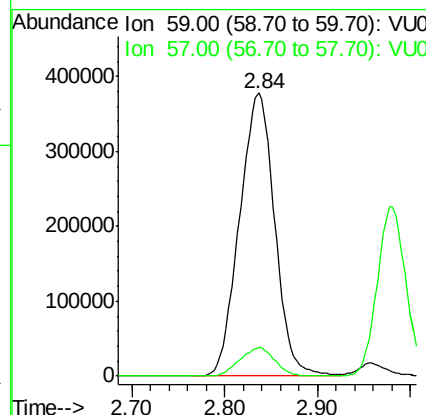
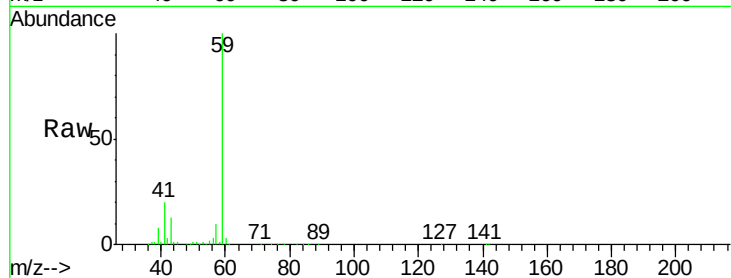
Tert butyl alcohol
 Concen: 759.925 ug/l
 RT: 2.84 min Scan# 543
 Delta R.T. 0.02 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	996086		
57	10.1		8.0	12.0

Manual Integrations
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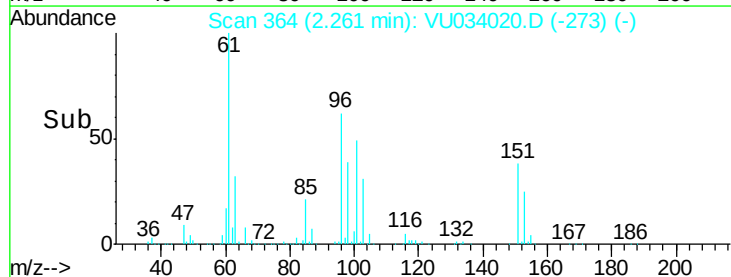
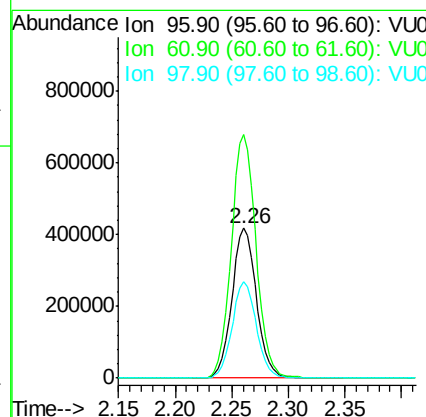
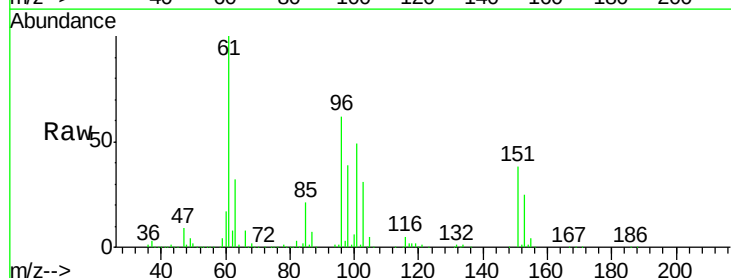
MMDadoda
 8/29/2019 8:47:18 AM

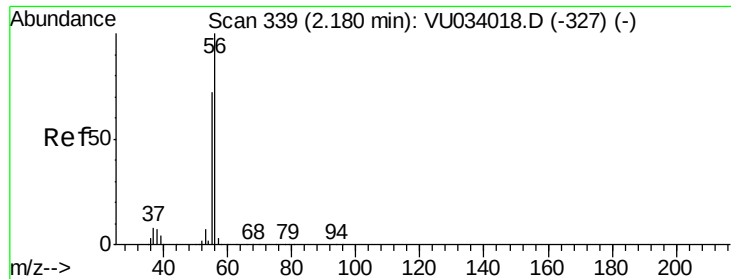


#12

1,1-Dichloroethene
 Concen: 155.252 ug/l
 RT: 2.26 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	628455		
61	162.5		131.3	196.9
98	64.1		50.3	75.5





#13

Acrolein

Concen: 845.124 ug/l

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 374170

Ion Ratio Lower Upper

56 100

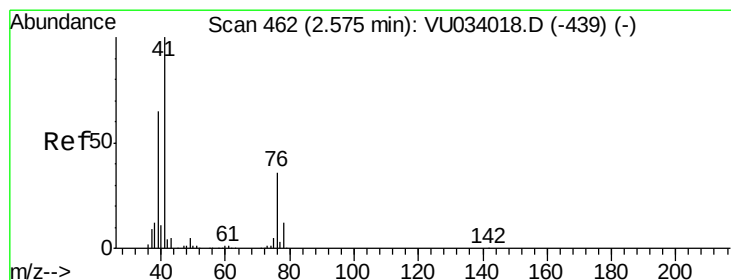
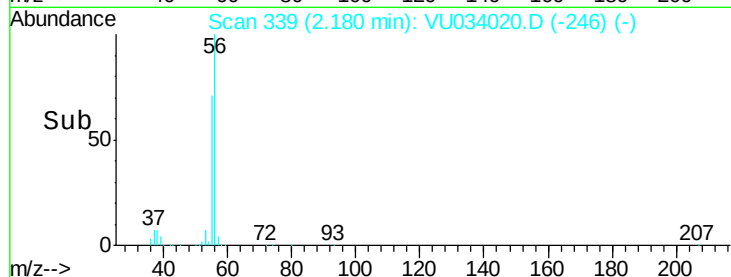
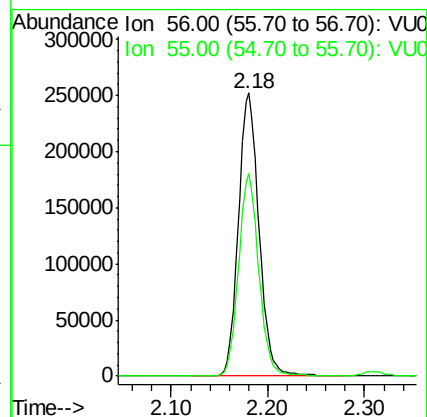
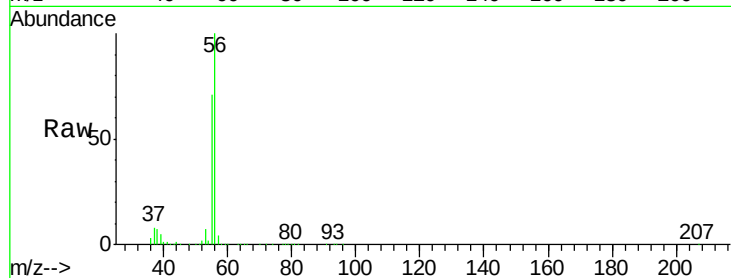
55 70.0 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 164.179 ug/l

RT: 2.57 min Scan# 460

Delta R.T. -0.01 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

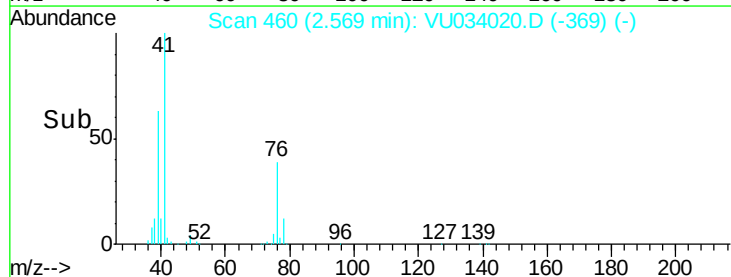
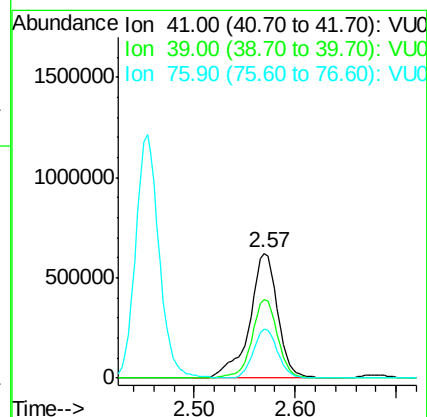
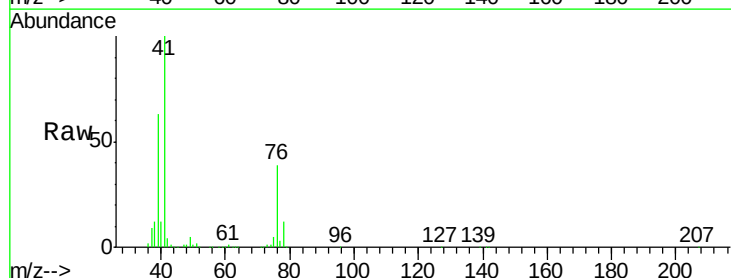
Tgt Ion: 41 Resp: 1191530

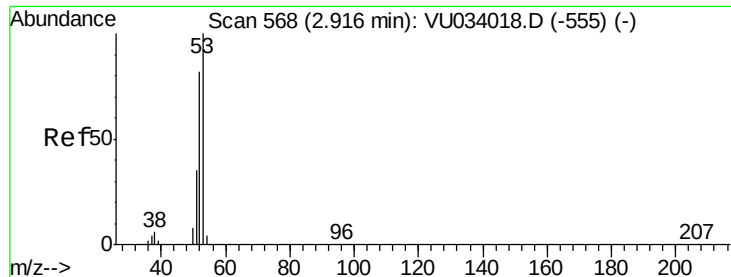
Ion Ratio Lower Upper

41 100

39 57.5 46.8 70.2

76 33.9 26.6 40.0





#15

Acrylonitrile

Concen: 820.793 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2215170

Ion Ratio Lower Upper

53 100

52 82.0 65.7 98.5

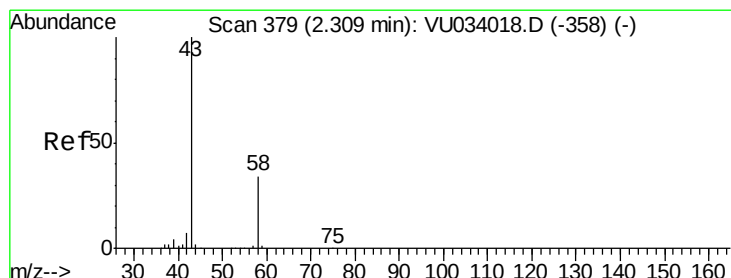
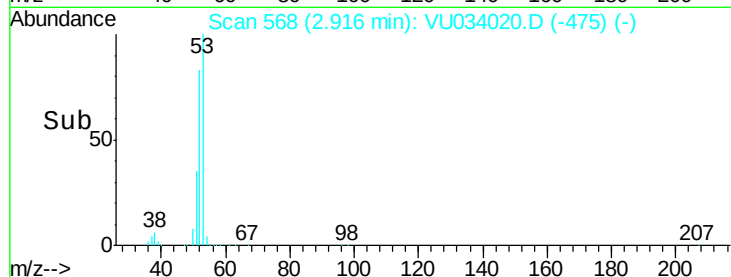
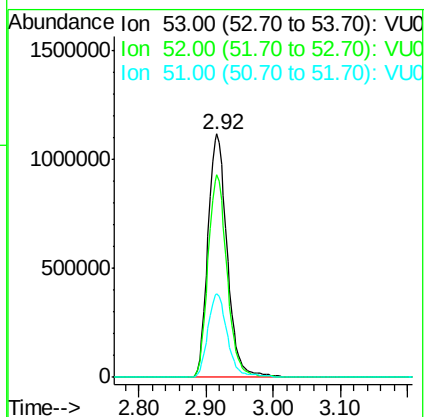
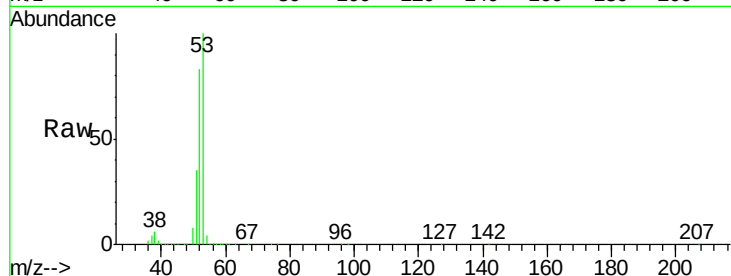
51 34.9 27.9 41.9

Manual Integrations

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#16

Acetone

Concen: 785.977 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034020.D

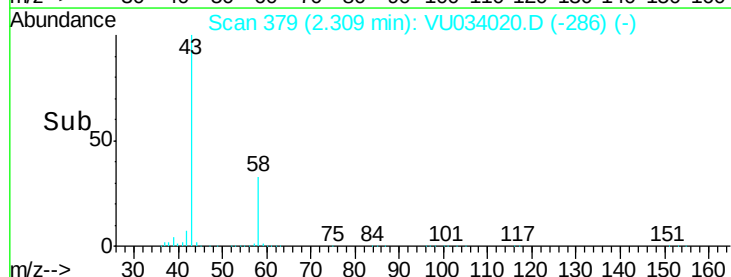
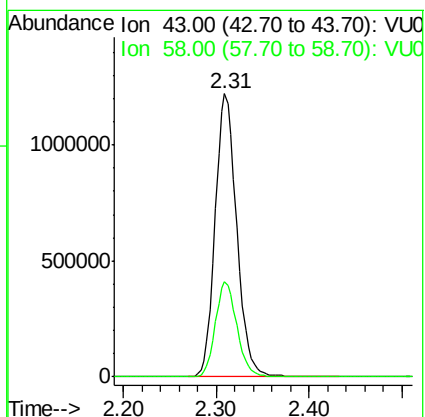
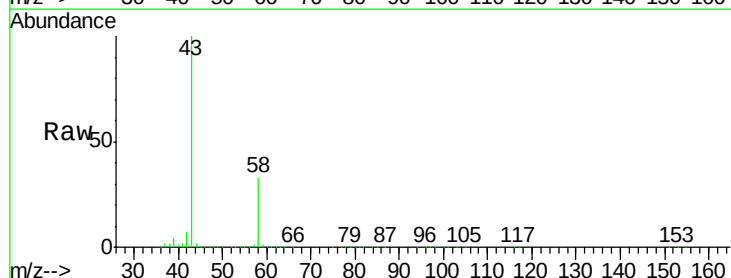
Acq: 28 Aug 2019 13:37

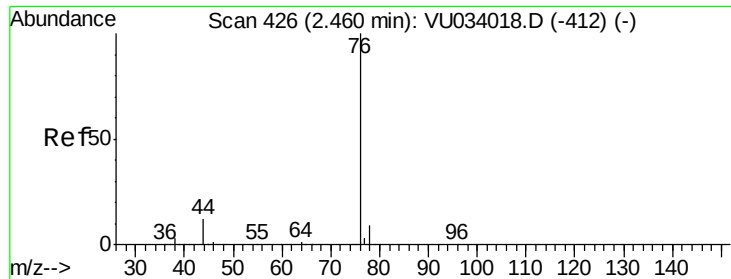
Tgt Ion: 43 Resp: 1952750

Ion Ratio Lower Upper

43 100

58 33.4 26.8 40.2





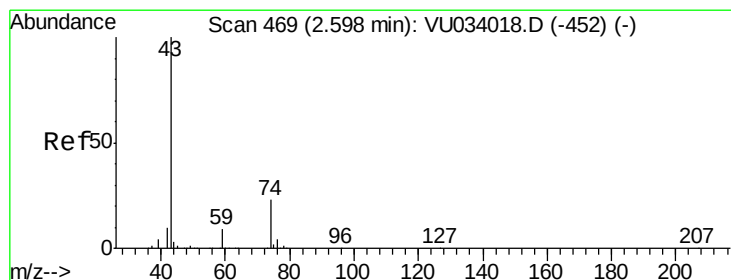
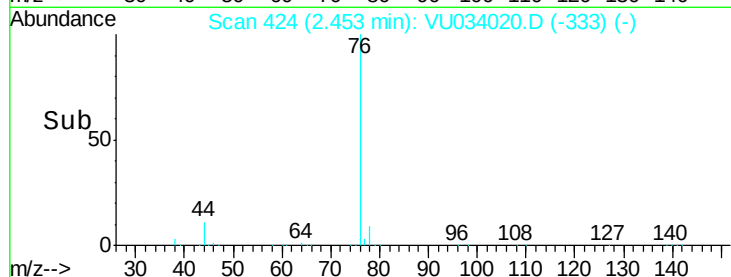
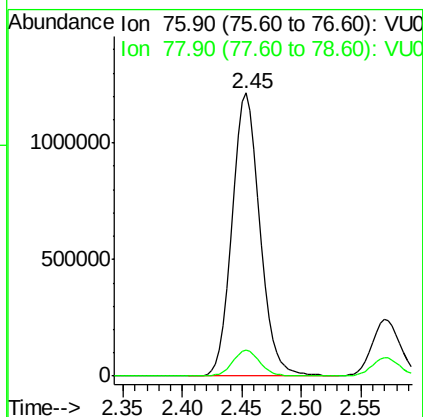
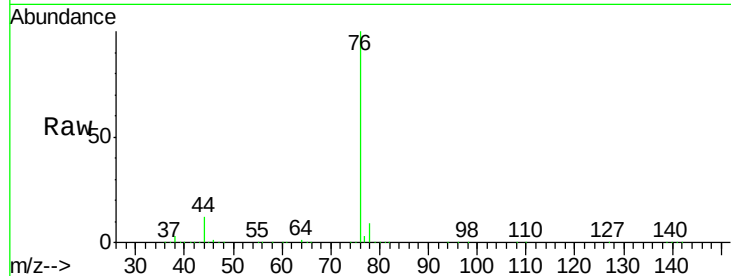
#17
Carbon Disulfide
Concen: 148.695 ug/l
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Instrument :
MSVOA_U
ClientSampled :
VSTDIC150

Tot Ion: 76 Resp: 1970454
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

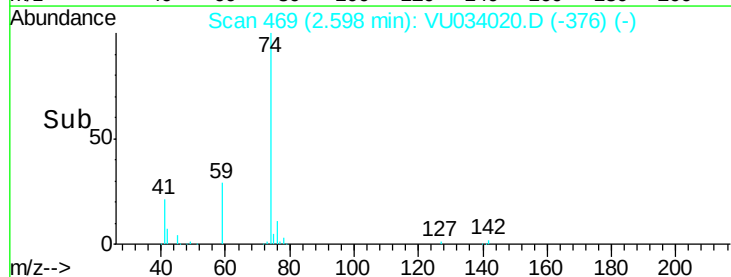
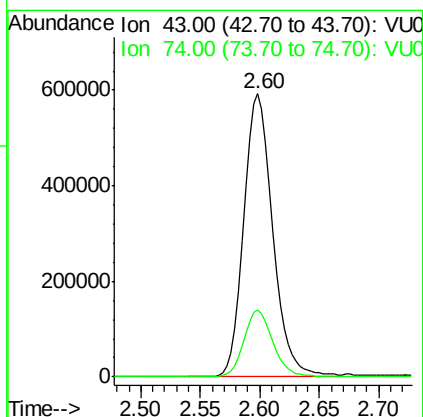
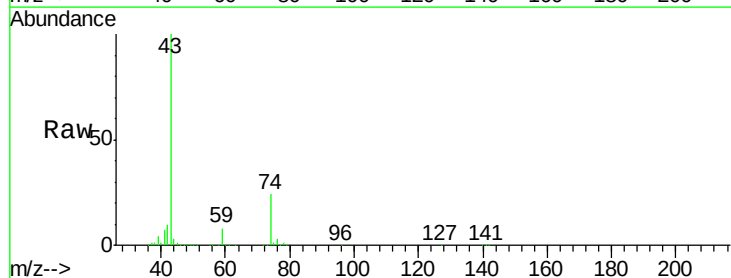
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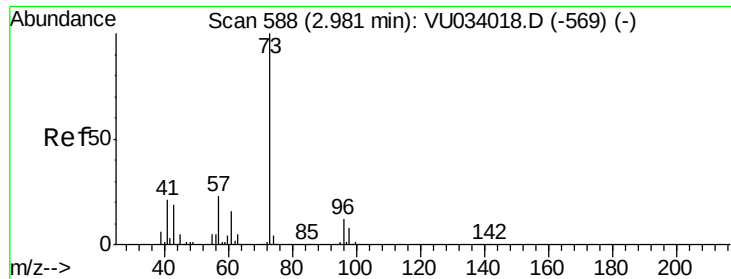
MMDadoda
8/29/2019 8:47:18 AM



#18
Methyl Acetate
Concen: 163.359 ug/l
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Tgt Ion: 43 Resp: 996616
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8





#19

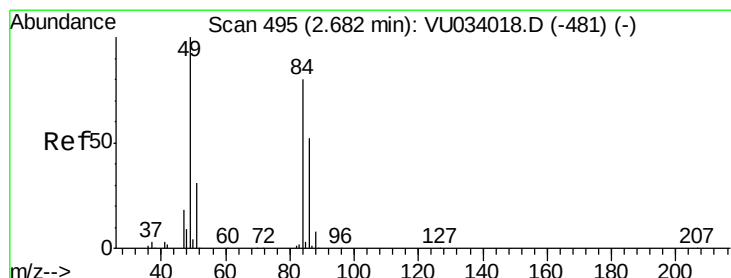
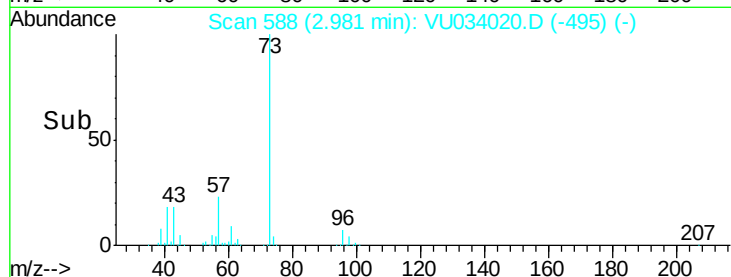
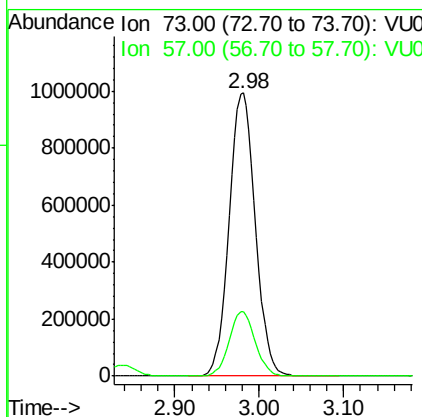
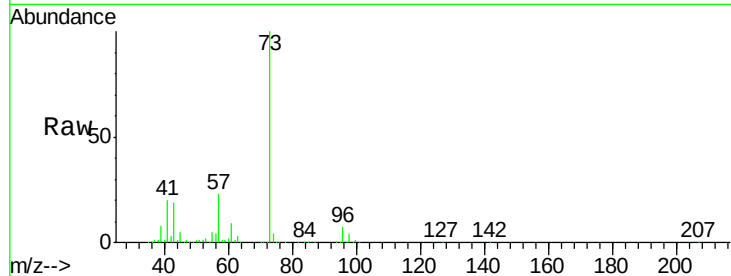
Methyl tert-butyl Ether
 Concen: 157.589 ug/l
 RT: 2.98 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 2138049
 Ion Ratio Lower Upper
 73 100
 57 22.8 18.3 27.5

Manual Integrations
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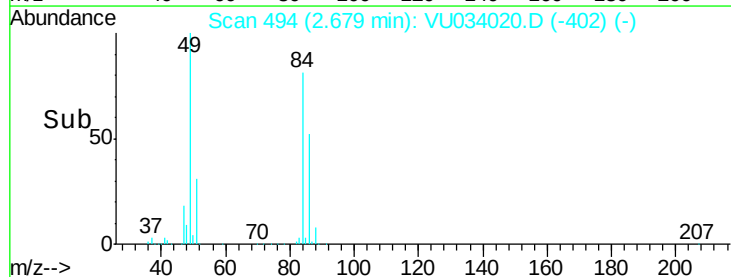
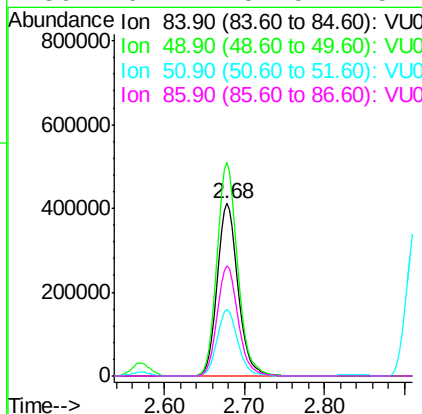
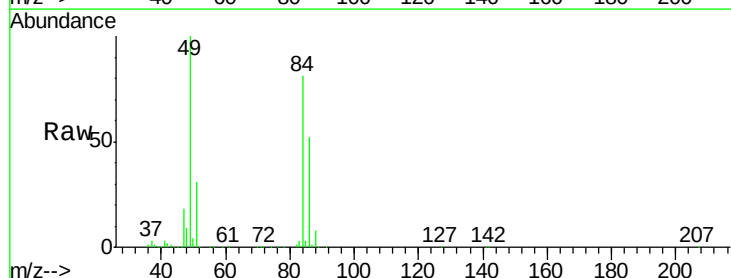
MMDadoda
 8/29/2019 8:47:18 AM

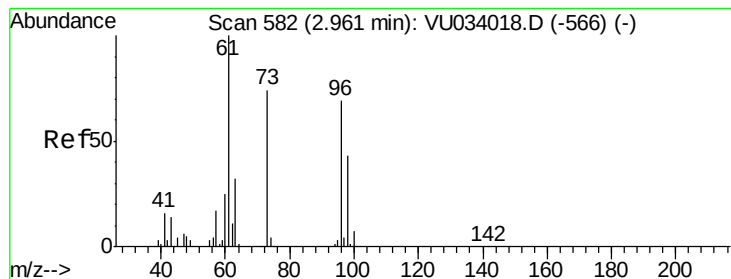


#20

Methylene Chloride
 Concen: 144.325 ug/l
 RT: 2.68 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Tgt Ion: 84 Resp: 743920
 Ion Ratio Lower Upper
 84 100
 49 123.6 100.2 150.4
 51 38.3 30.8 46.2
 86 64.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 147.559 ug/l

RT: 2.96 min Scan# 581

Delta R.T. -0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 675328

Ion Ratio Lower Upper

96 100

61 145.9 115.5 173.3

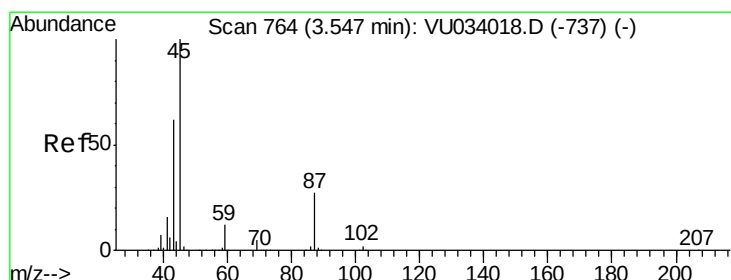
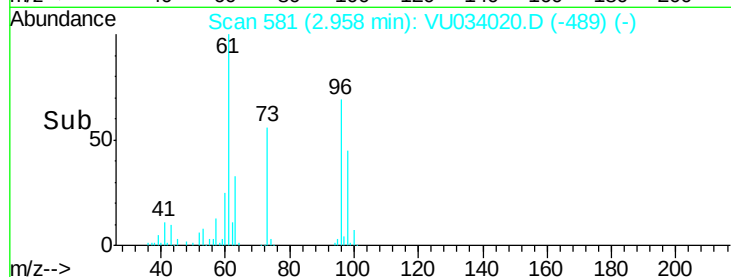
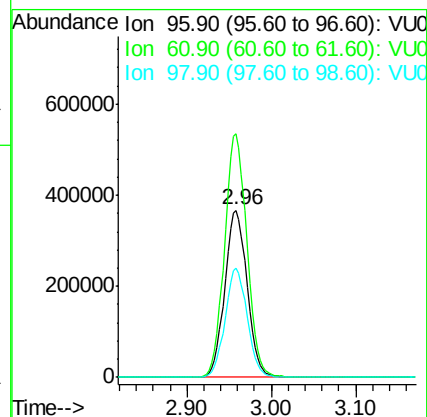
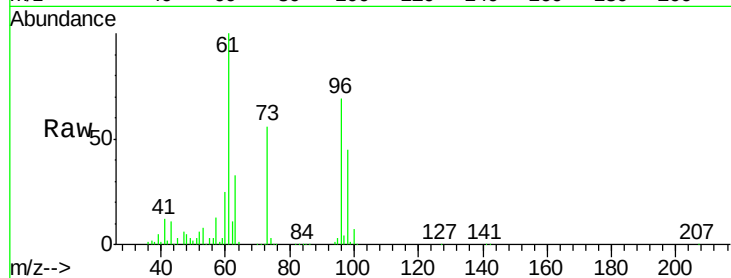
98 65.3 50.1 75.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 164.265 ug/l

RT: 3.55 min Scan# 764

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Tgt Ion: 45 Resp: 2193822

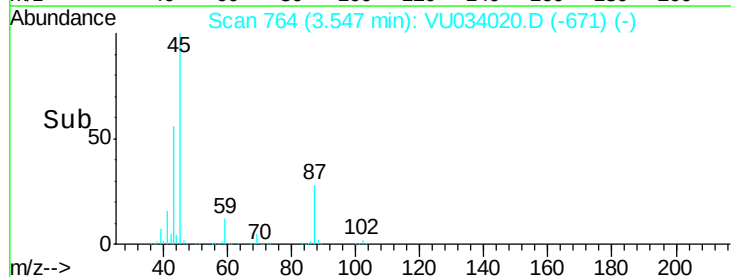
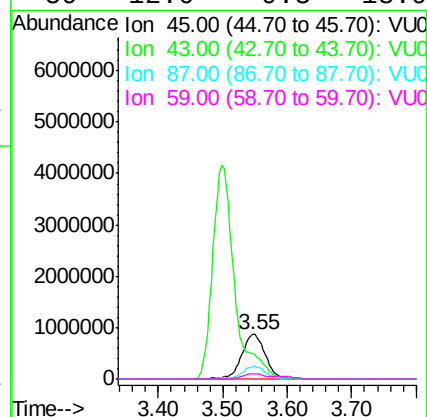
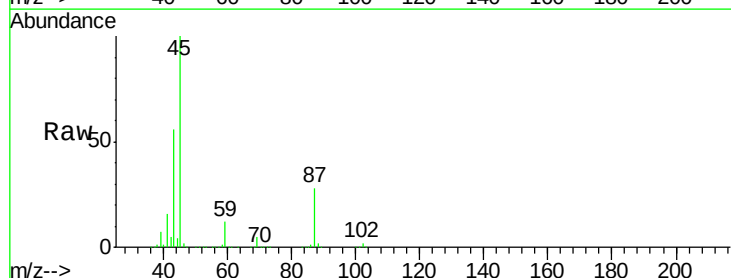
Ion Ratio Lower Upper

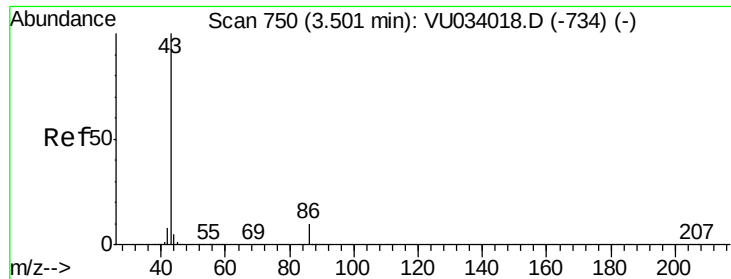
45 100

43 56.0 49.7 74.5

87 28.0 21.8 32.8

59 12.0 9.3 13.9





#23

Vinyl Acetate

Concen: 868.186 ug/l

RT: 3.50 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 9880605

Ion Ratio Lower Upper

43 100

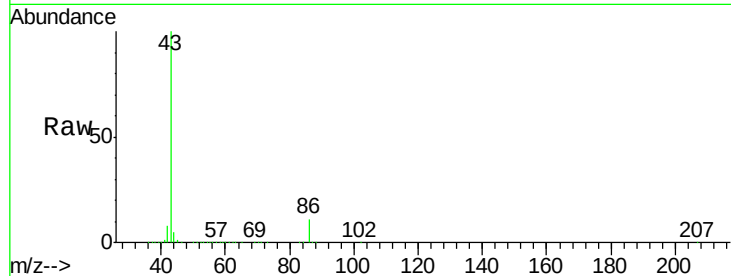
86 10.5 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)

Ion 86.00 (85.70 to 86.70): VU034018.D (-734) (-)

3.50

4000000

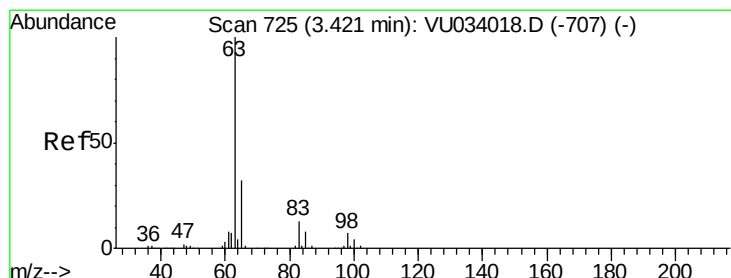
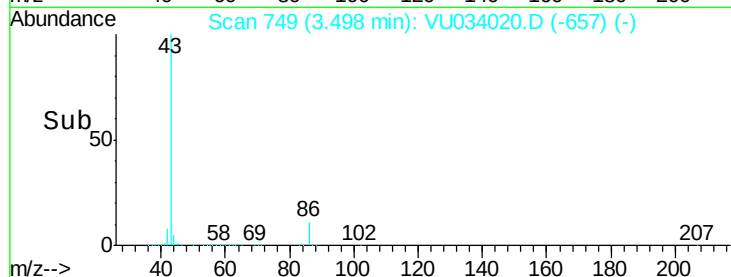
3000000

2000000

1000000

0

Time-->



#24

1,1-Dichloroethane

Concen: 156.778 ug/l

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

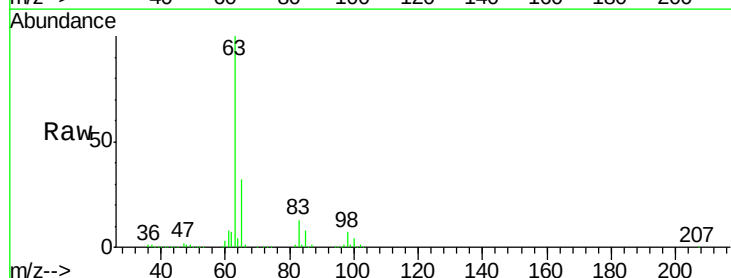
Tgt Ion: 63 Resp: 1293005

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)

Ion 97.90 (97.60 to 98.60): VU034018.D (-707) (-)

Ion 99.90 (99.60 to 100.60): VU034018.D (-707) (-)

3.42

800000

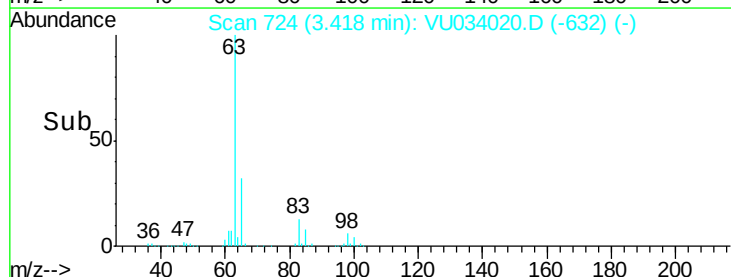
600000

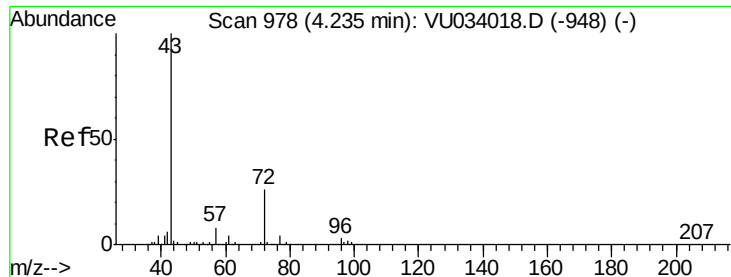
400000

200000

0

Time-->





#25

2-Butanone

Concen: 856.913 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3055737

Ion Ratio Lower Upper

43 100

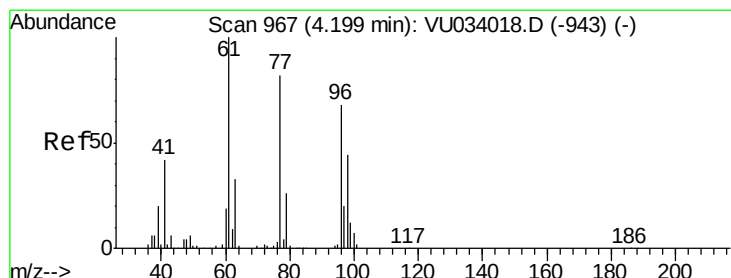
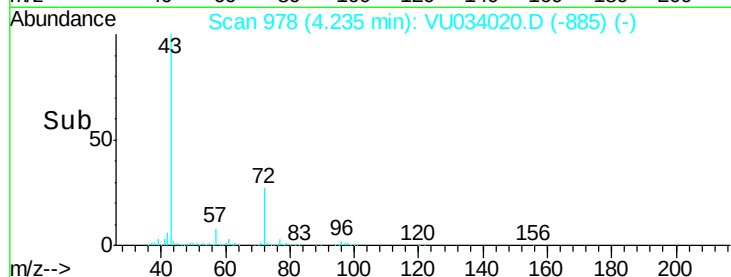
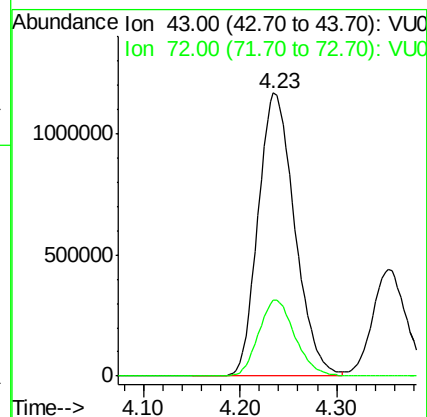
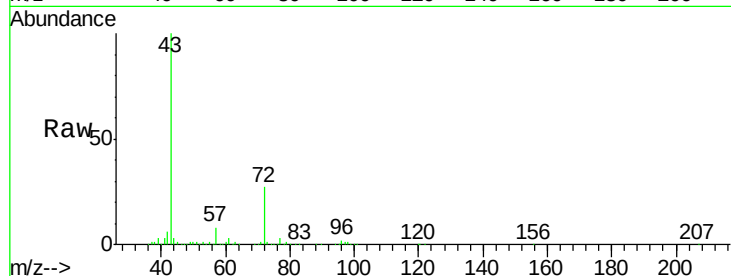
72 26.8 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 150.874 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU034020.D

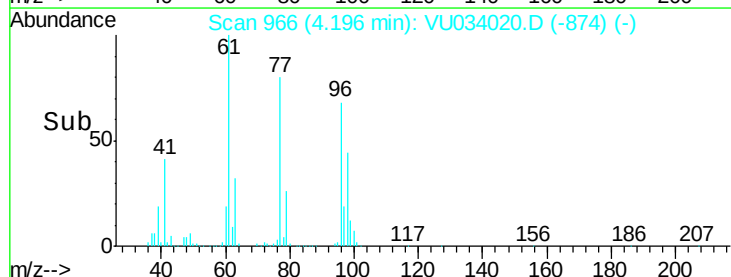
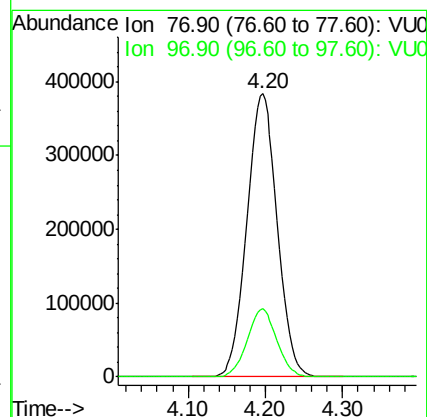
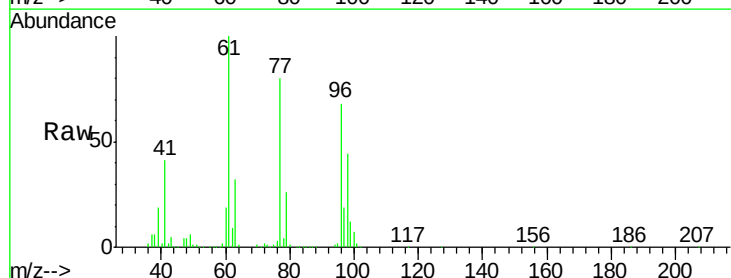
Acq: 28 Aug 2019 13:37

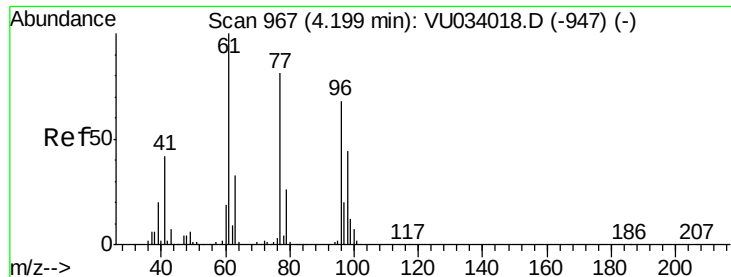
Tgt Ion: 77 Resp: 1046354

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.7





#27

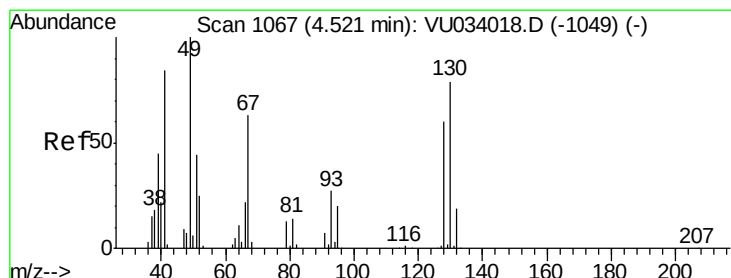
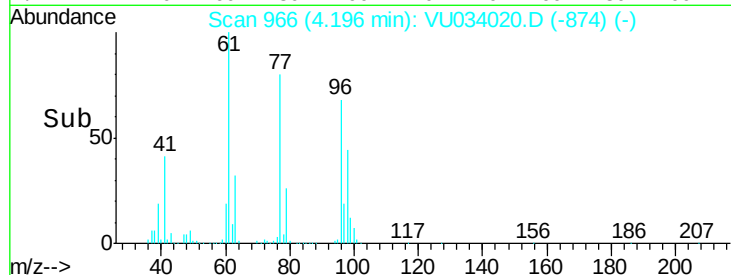
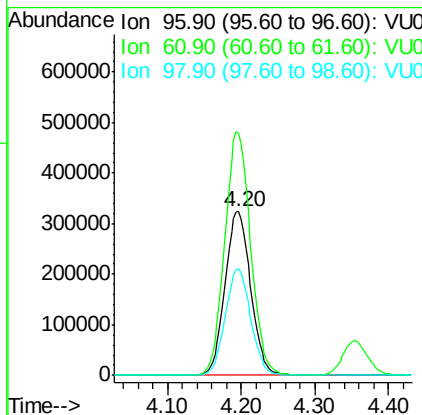
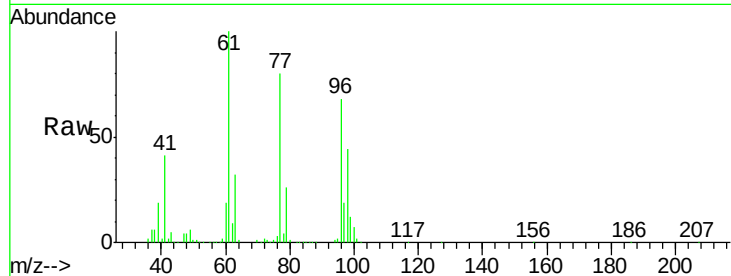
cis-1,2-Dichloroethene
Concen: 152.513 ug/l
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.0	0.0	303.0
98	64.7	0.0	129.2

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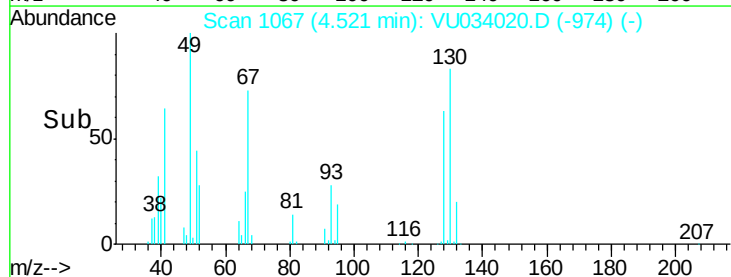
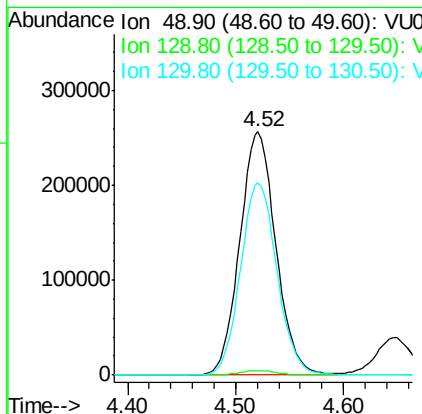
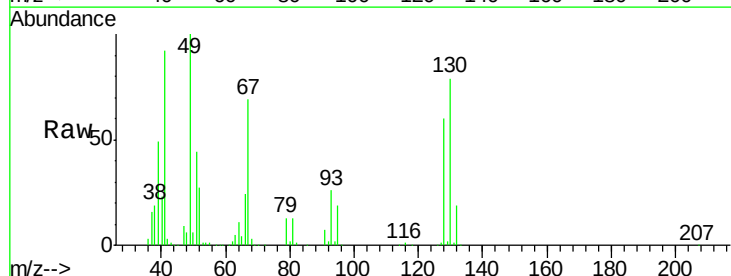
MMDadoda
8/29/2019 8:47:18 AM

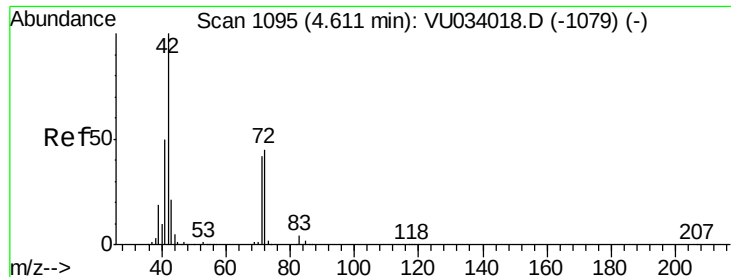


#28

Bromochloromethane
Concen: 155.704 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	80.1	62.8	94.2





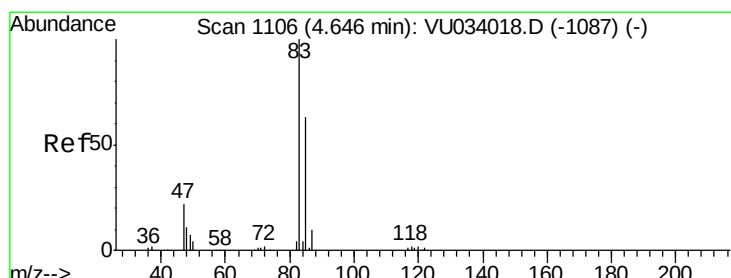
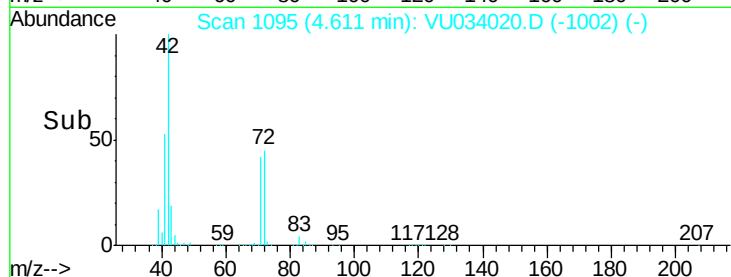
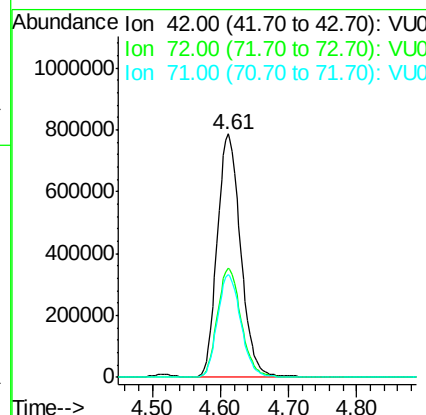
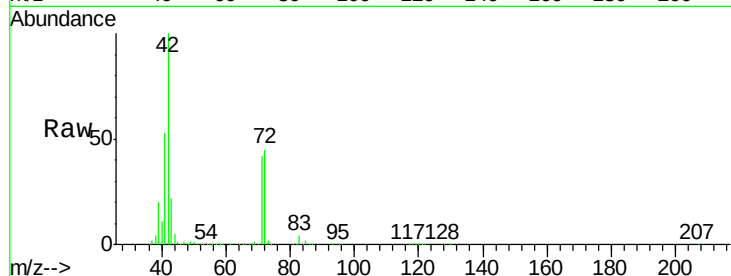
#29
Tetrahydrofuran
Concen: 840.474 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1867184
Ion Ratio Lower Upper
42 100
72 45.6 35.8 53.6
71 42.4 34.0 51.0

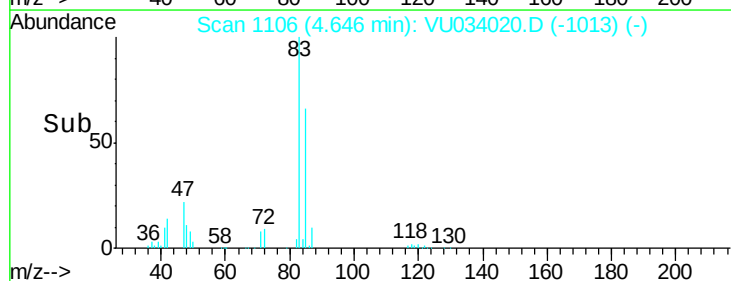
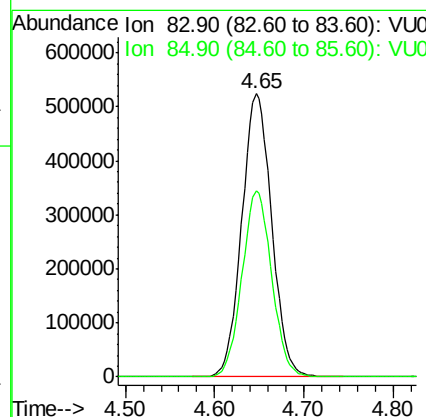
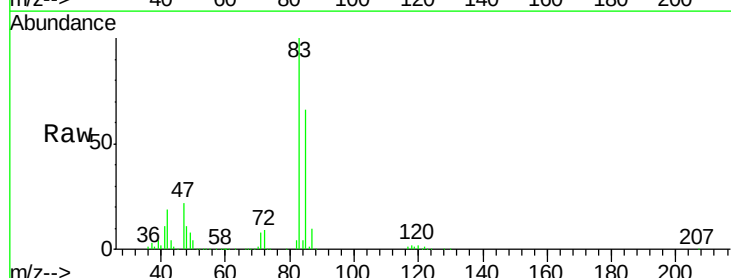
Manual Integrations
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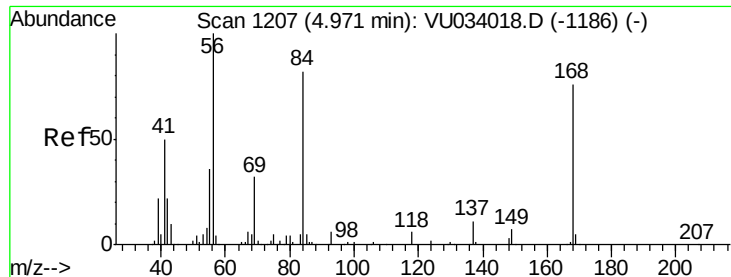
MMDadoda
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#30
Chloroform
Concen: 145.237 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Tgt Ion: 83 Resp: 1218063
Ion Ratio Lower Upper
83 100
85 65.6 50.7 76.1





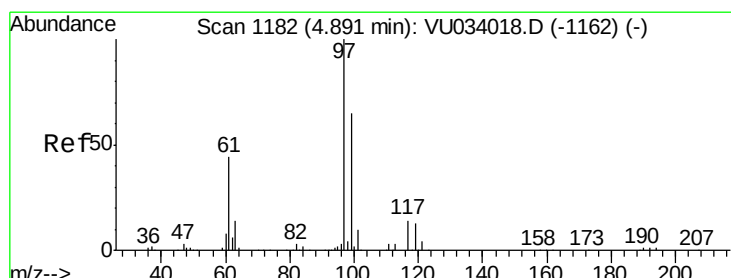
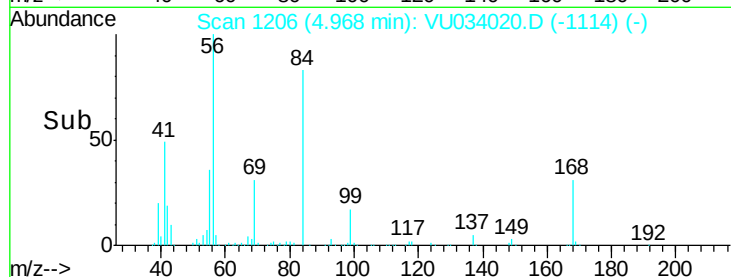
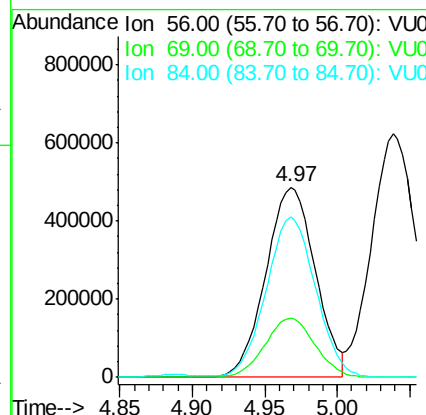
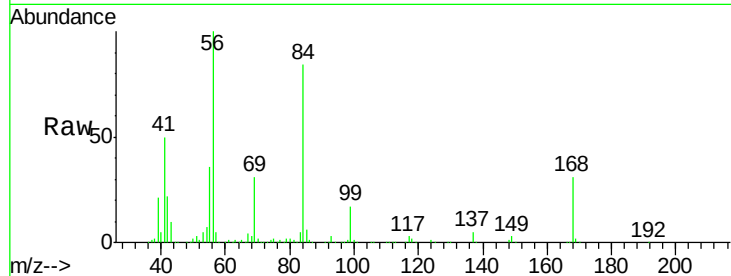
#31
Cyclohexane
Concen: 151.391 ug/l
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.4	38.0
84	83.2	65.8	98.8

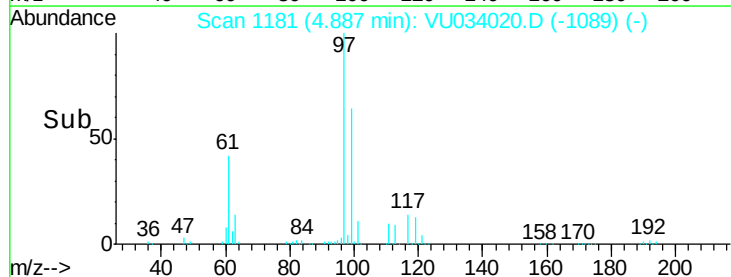
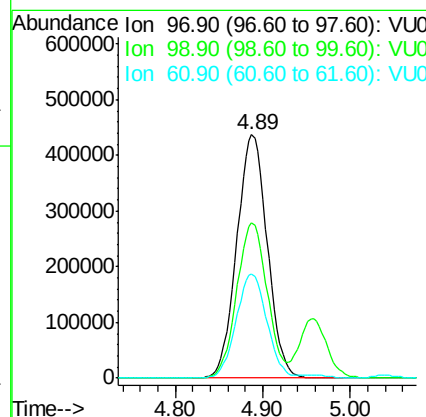
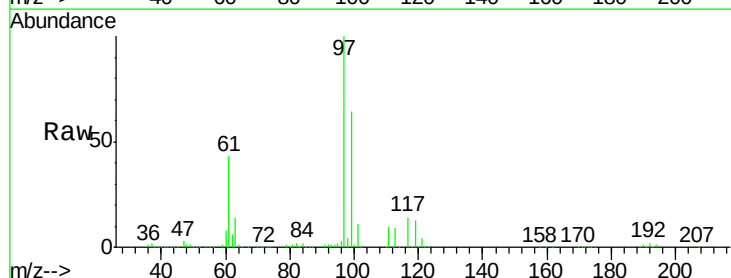
Manual Integrations
APPROVED

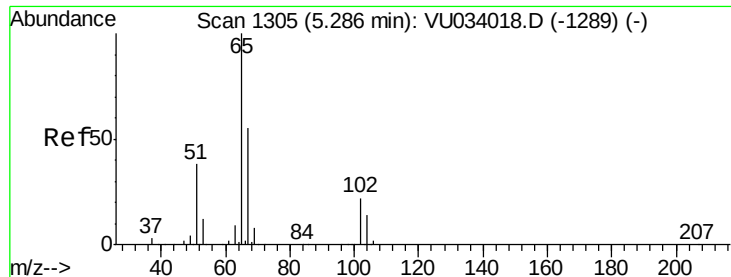
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 150.598 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	43.4	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 151.361 ug/l

RT: 5.28 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 776759

Ion Ratio Lower Upper

65 100

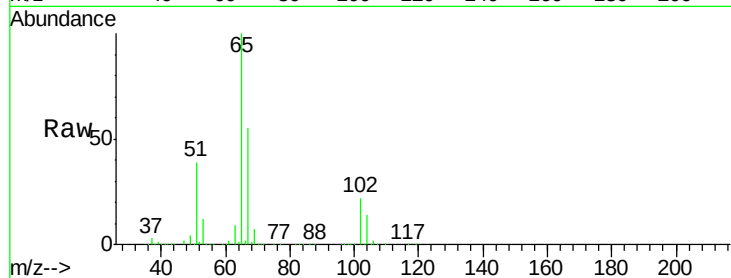
67 55.3 0.0 110.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU034018.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034018.D (-1289) (-)

5.28

400000

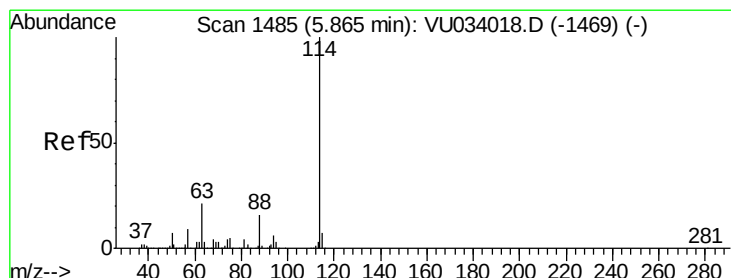
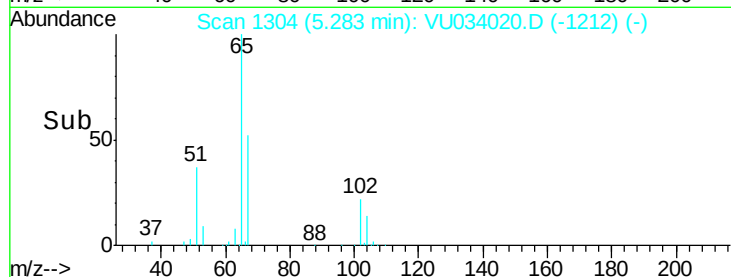
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1484

Delta R.T. -0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

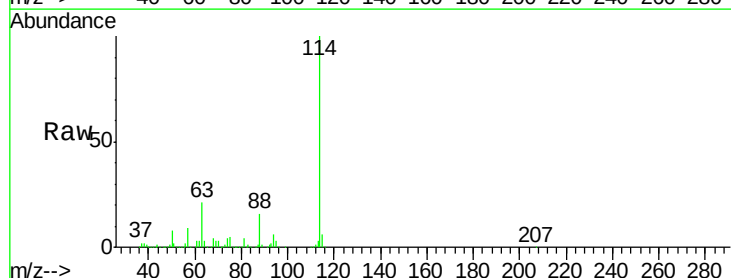
Tgt Ion: 114 Resp: 703187

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.0

88 16.4 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034018.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034018.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034018.D (-1469) (-)

5.86

400000

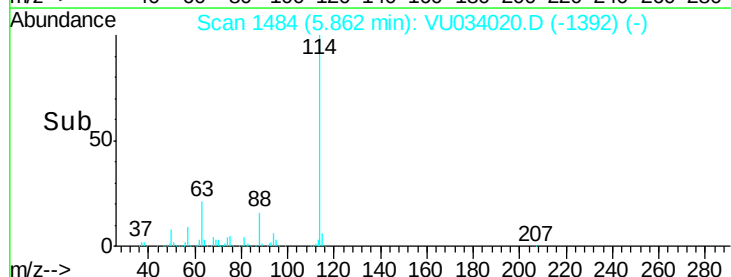
300000

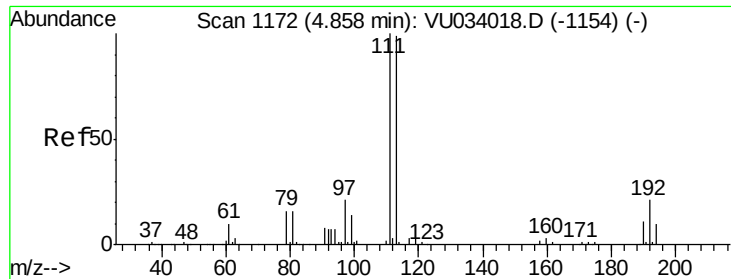
200000

100000

0

Time-->





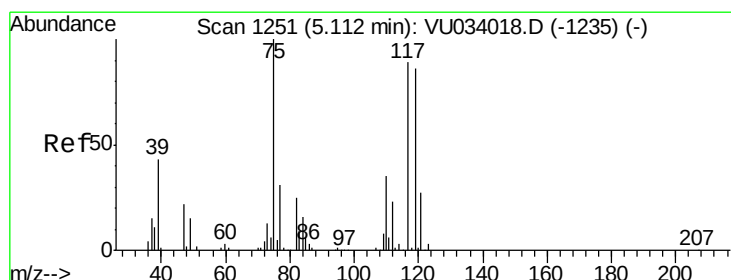
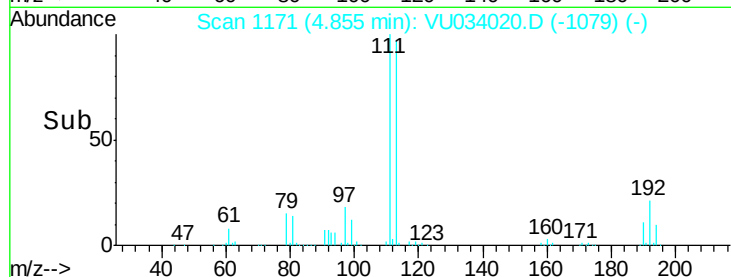
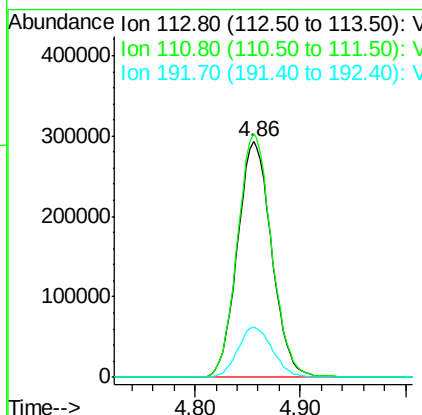
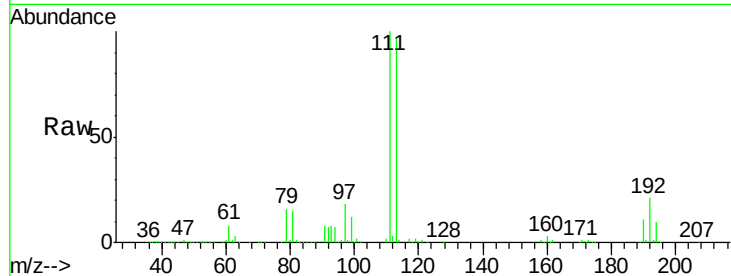
#35
 Dibromofluoromethane
 Concen: 137.951 ug/l
 RT: 4.86 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	661449		
111	103.5	81.7	122.5	
192	21.6	17.1	25.7	

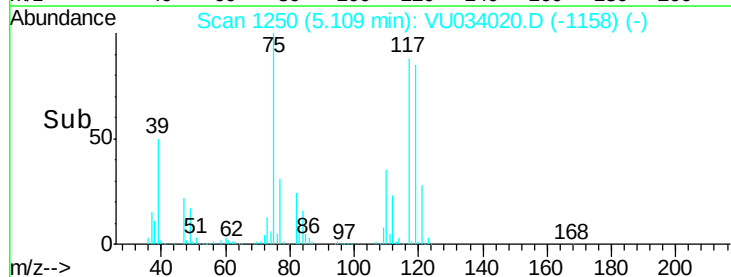
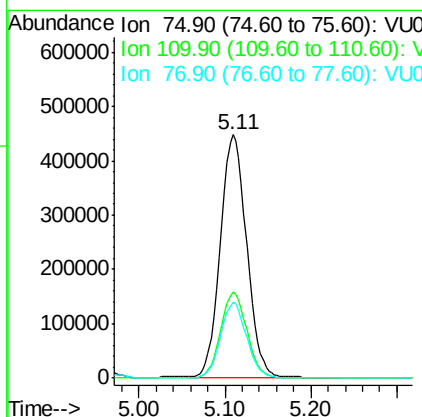
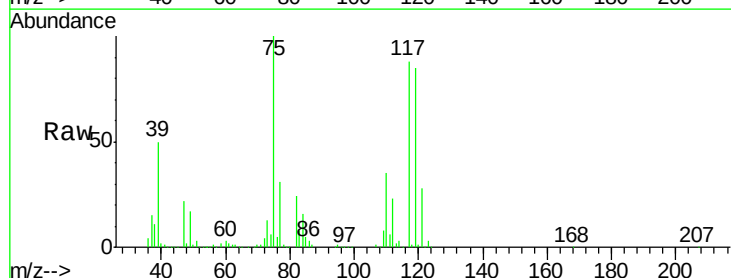
Manual Integrations
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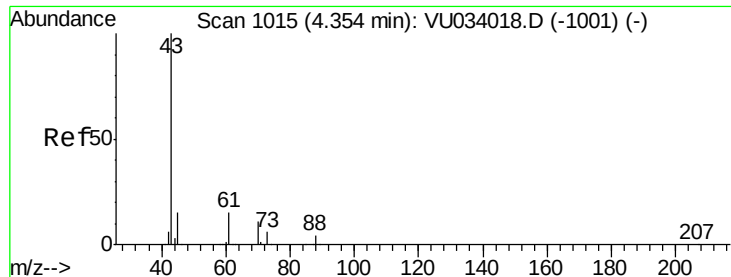
MMDadoda
 8/29/2019 8:47:18 AM



#36
 1,1-Dichloropropene
 Concen: 145.216 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	956569		
110	35.4	17.8	53.5	
77	30.7	25.0	37.4	





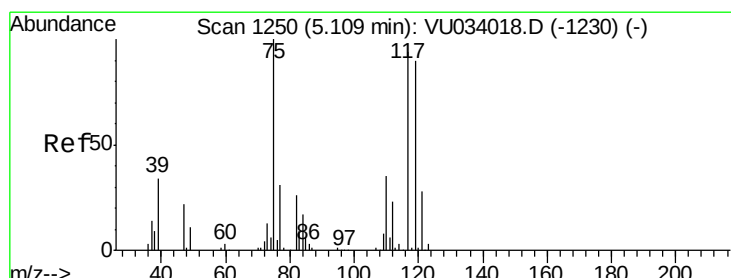
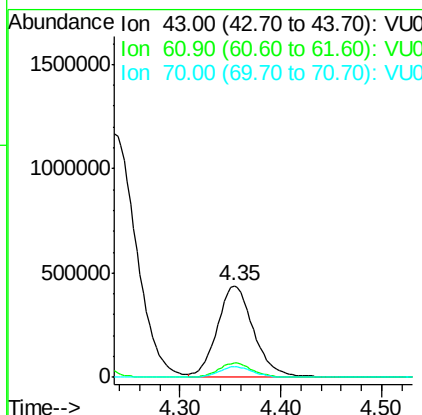
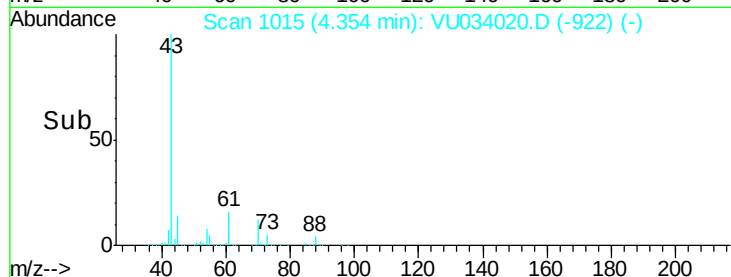
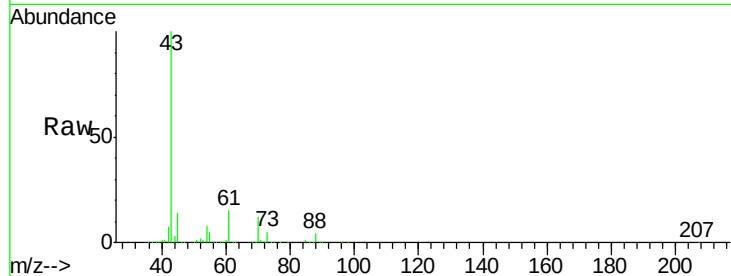
#37
Ethyl Acetate
Concen: 161.053 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1081690
Ion Ratio Lower Upper
43 100
61 15.0 11.5 17.3
70 11.2 8.6 12.8

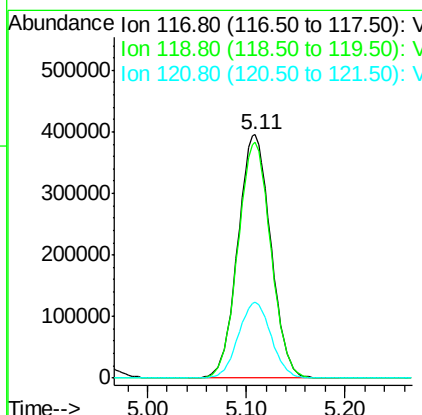
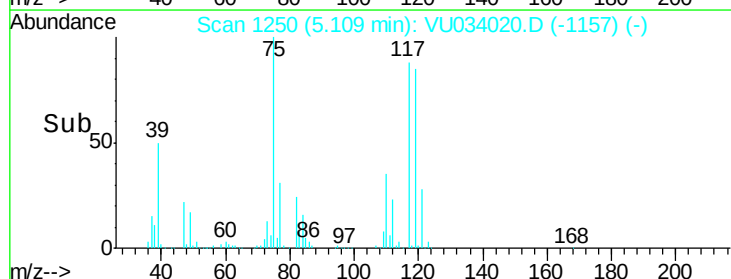
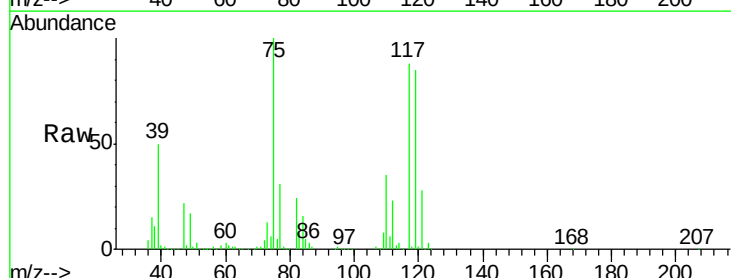
Manual Integrations
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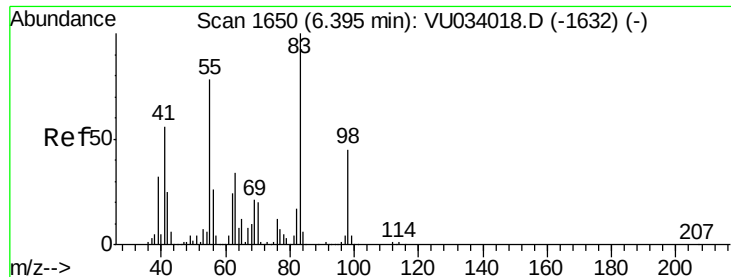
MMDadoda
8/29/2019 8:47:18 AM



#38
Carbon Tetrachloride
Concen: 137.035 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Tgt Ion: 117 Resp: 910014
Ion Ratio Lower Upper
117 100
119 96.9 77.0 115.4
121 31.2 23.9 35.9





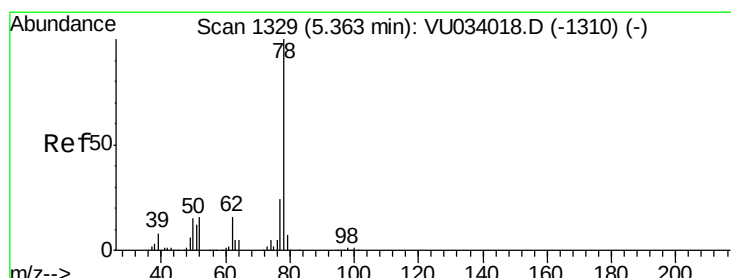
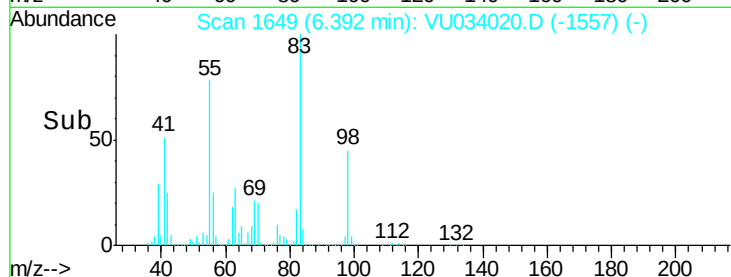
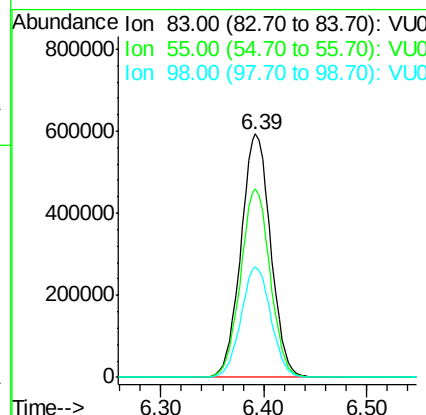
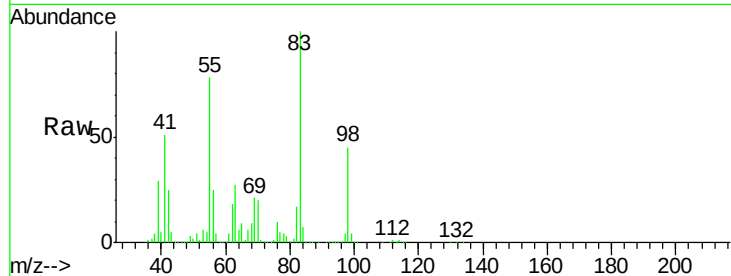
#39
Methylvlcyclohexane
Concen: 152.595 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	62.3	93.5
98	45.3	36.2	54.2

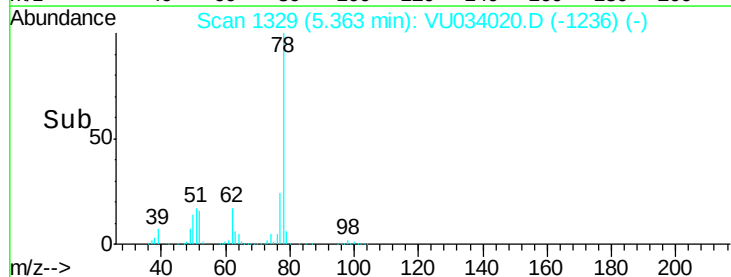
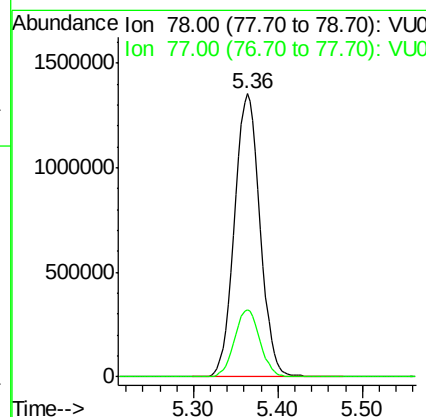
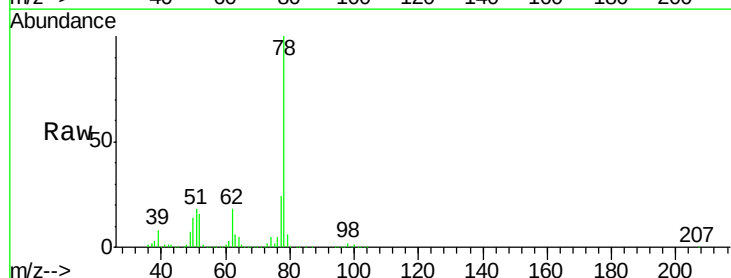
Manual Integrations
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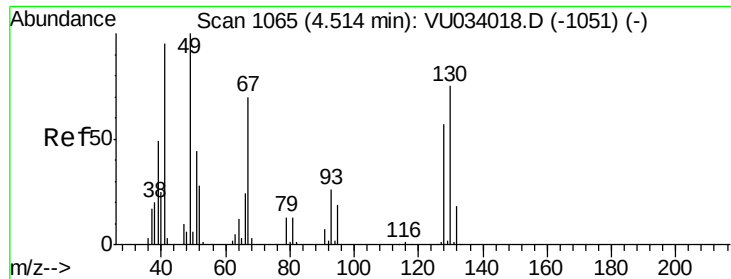
MMDadoda
8/29/2019 8:47:18 AM



#40
Benzene
Concen: 145.728 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





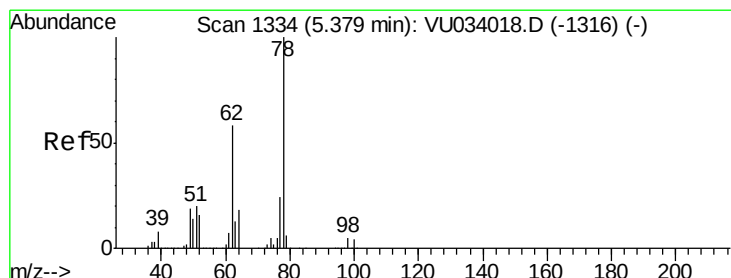
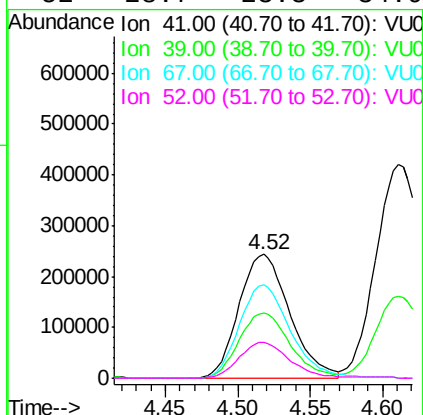
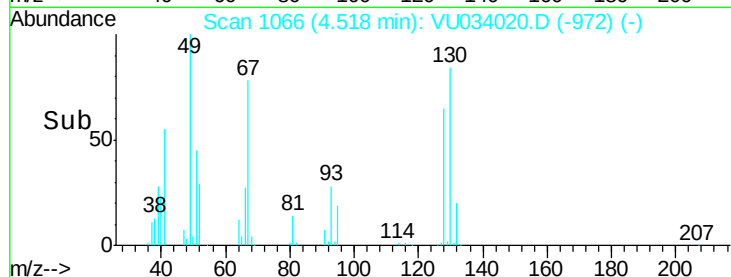
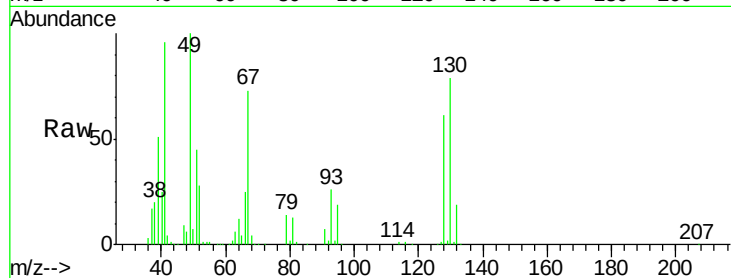
#41
Methacrylonitrile
Concen: 169.221 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	42.1	63.1	
67	76.2	61.0	91.4	
52	28.7	23.3	34.9	

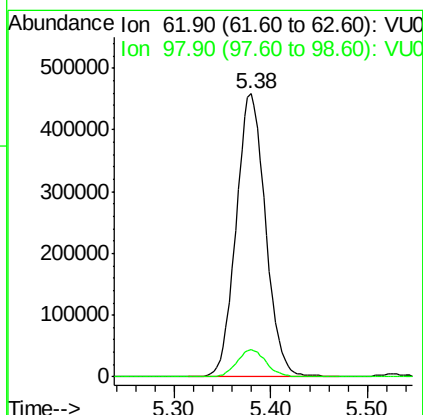
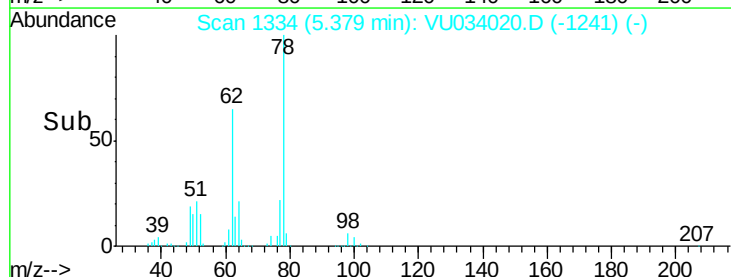
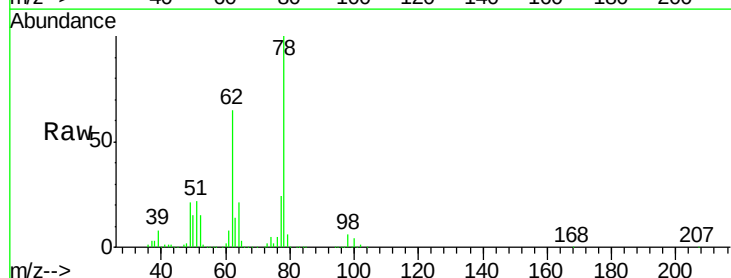
Manual Integrations
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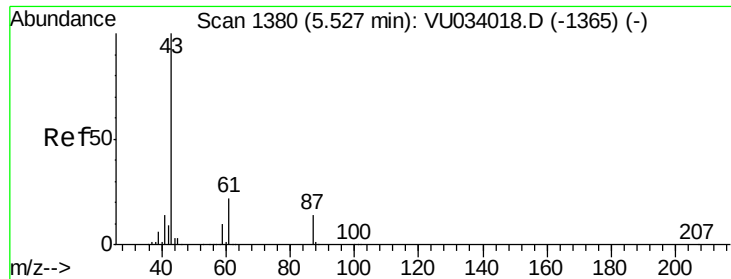
MMDadoda
8/29/2019 8:47:18 AM



#42
1,2-Dichloroethane
Concen: 145.213 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	18.2	





#43

Isopropyl Acetate

Concen: 170.379 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1759535

Ion Ratio Lower Upper

43 100

61 21.4 17.2 25.8

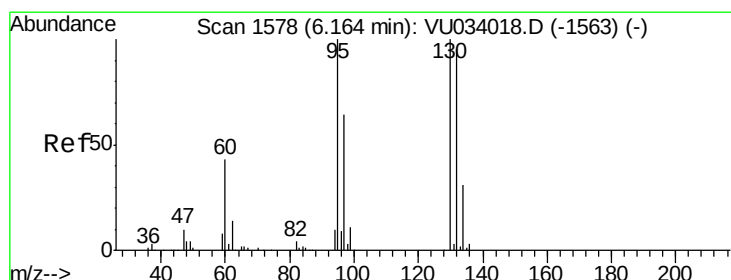
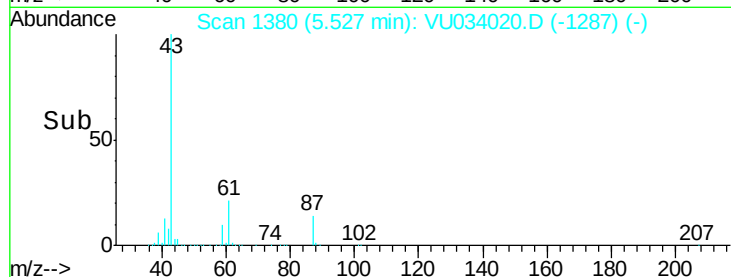
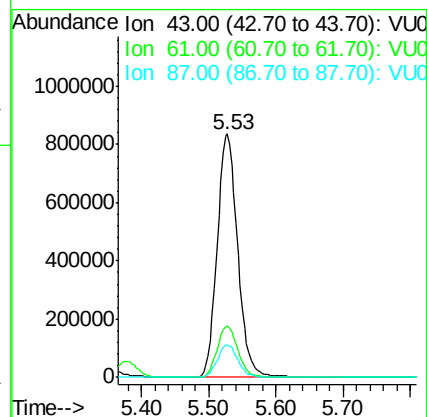
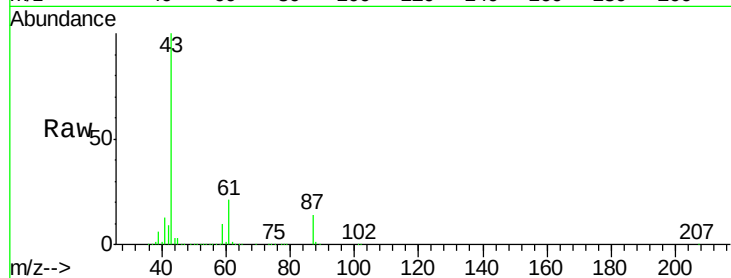
87 13.6 10.8 16.2

Manual Integrations

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#44

Trichloroethene

Concen: 138.432 ug/l

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU034020.D

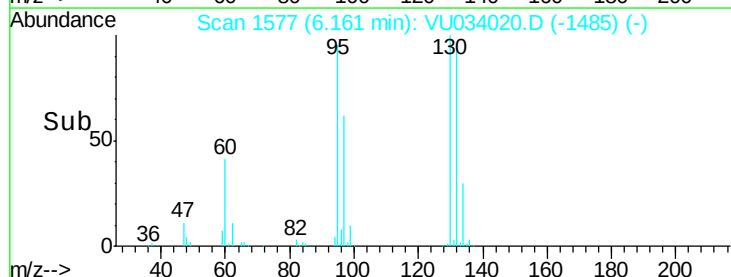
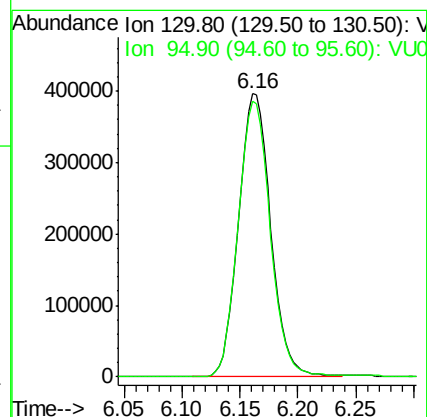
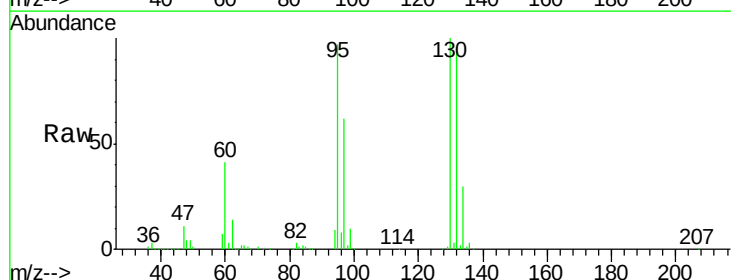
Acq: 28 Aug 2019 13:37

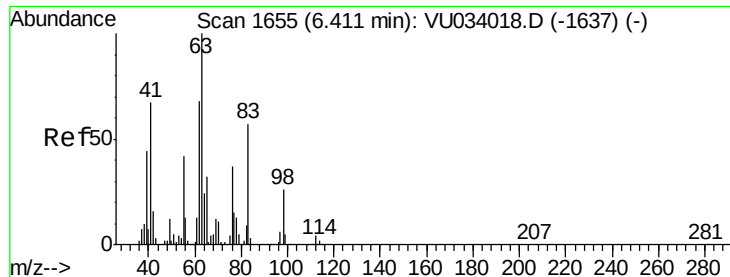
Tgt Ion:130 Resp: 761613

Ion Ratio Lower Upper

130 100

95 97.2 0.0 199.6





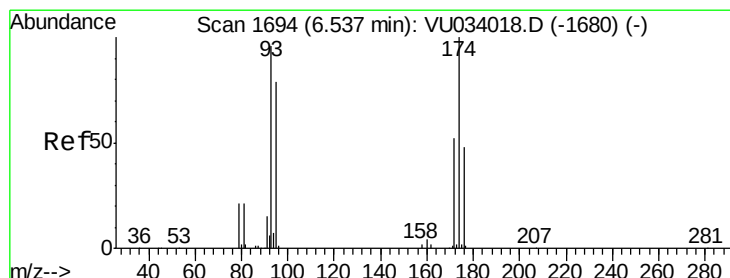
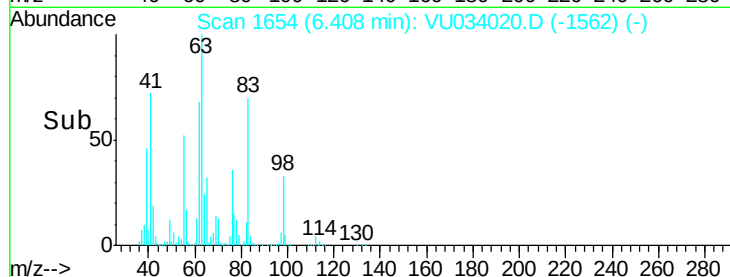
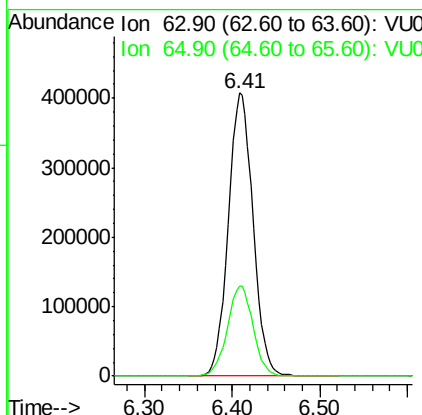
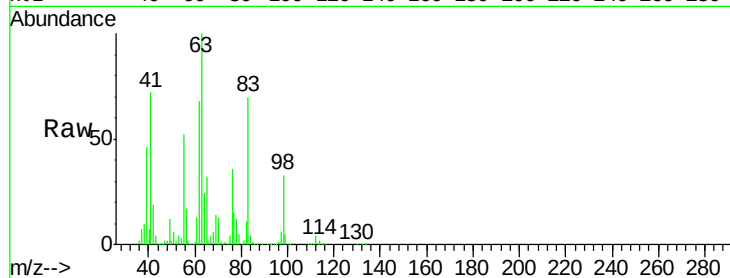
#45
 1,2-Dichloropropane
 Concen: 151.128 ug/l
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.4	38.2

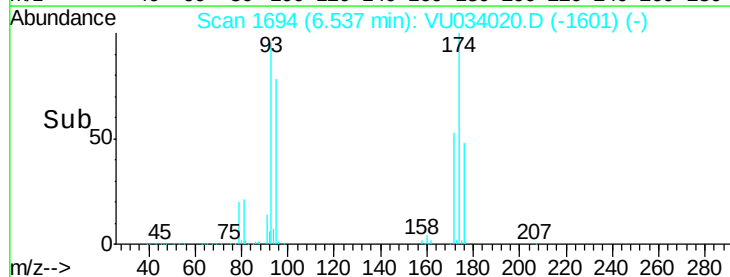
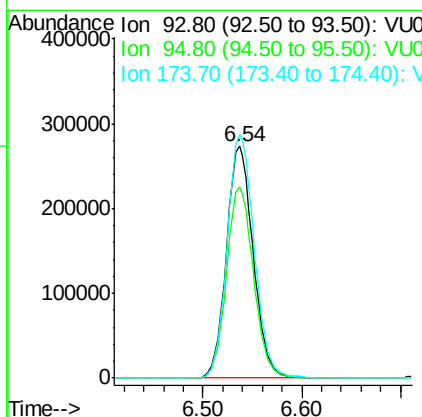
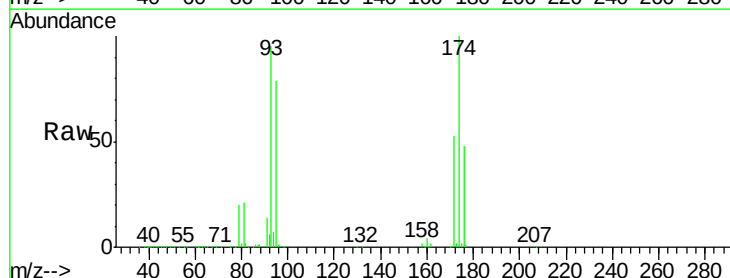
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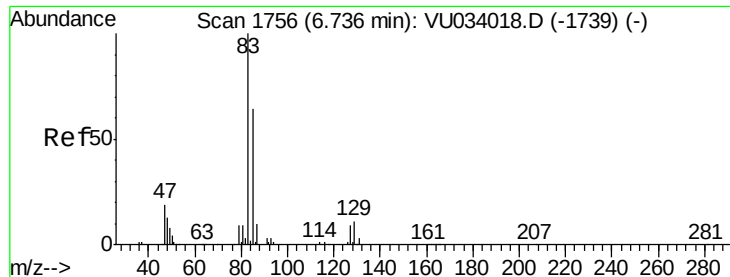
MMDadoda
 8/29/2019 8:47:18 AM



#46
 Dibromomethane
 Concen: 145.324 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.7	100.1
174	106.4	84.9	127.3





#47

Bromodichloromethane

Concen: 149.255 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1013277

Ion Ratio Lower Upper

83 100

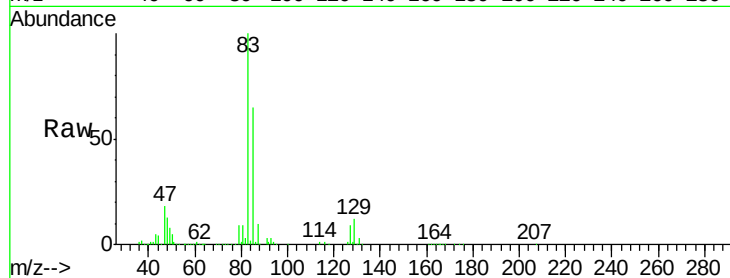
85 65.1 51.2 76.8

127 8.8 7.0 10.6

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Abundance Ion 82.90 (82.60 to 83.60): VU034020.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034020.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034020.D (-1663) (-)

6.74

600000

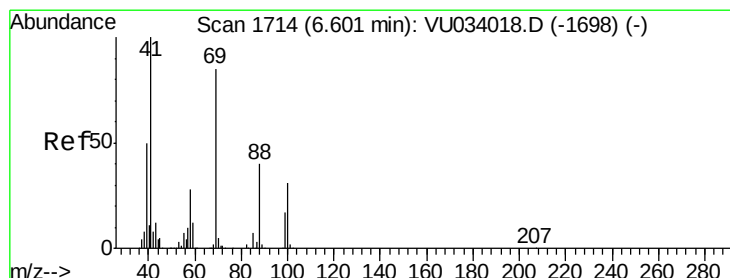
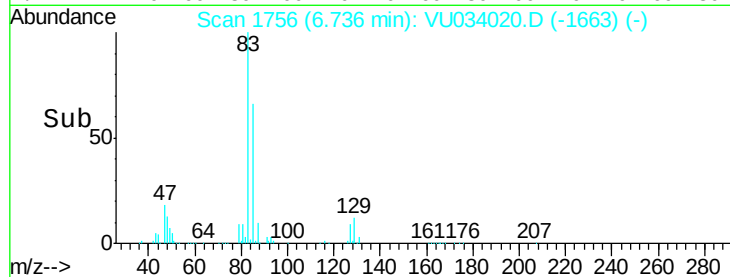
400000

200000

0

6.70 6.80

Time-->



#48

Methyl methacrylate

Concen: 176.629 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

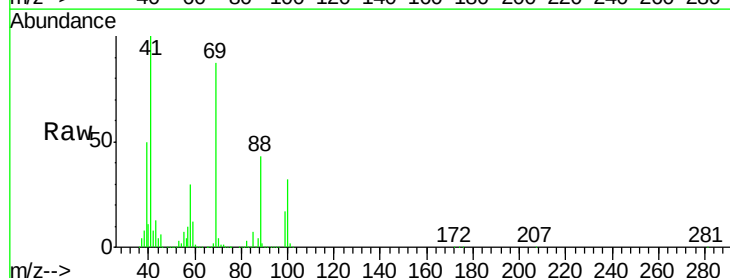
Tgt Ion: 41 Resp: 875943

Ion Ratio Lower Upper

41 100

69 88.5 69.5 104.3

39 50.6 40.3 60.5



Abundance Ion 41.00 (40.70 to 41.70): VU034020.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VU034020.D (-1621) (-)

Ion 39.00 (38.70 to 39.70): VU034020.D (-1621) (-)

6.60

600000

500000

400000

300000

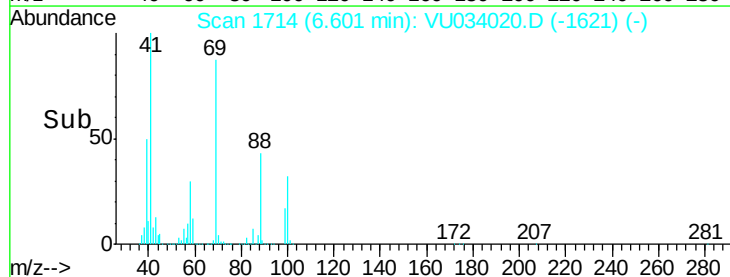
200000

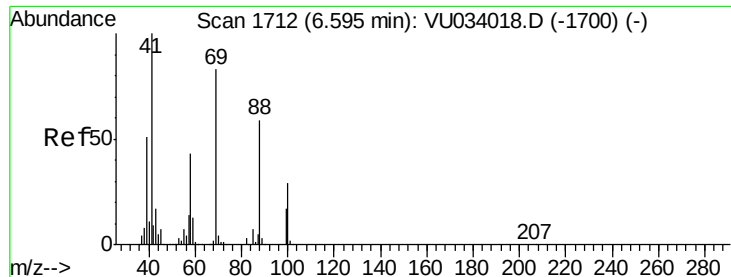
100000

0

6.55 6.60 6.65

Time-->





#49

1,4-Dioxane

Concen: 3272.057 ug/l

RT: 6.59 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

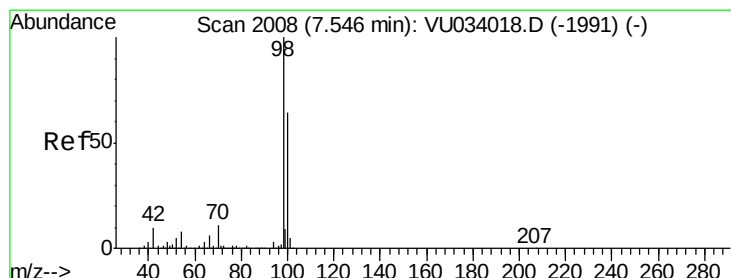
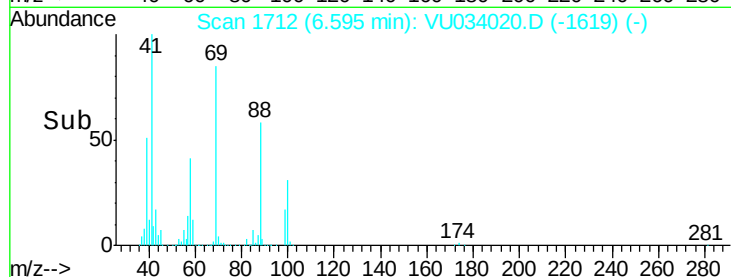
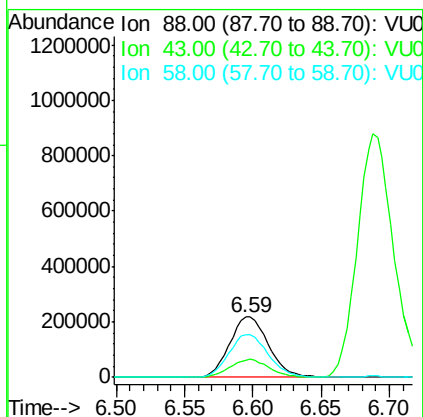
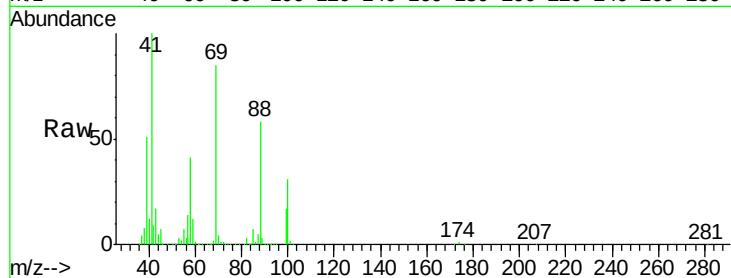
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	428990
Ion	Ratio	Lower	Upper
88	100		
43	29.2	24.8	37.2
58	72.5	59.3	88.9

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#50

Toluene-d8

Concen: 146.147 ug/l

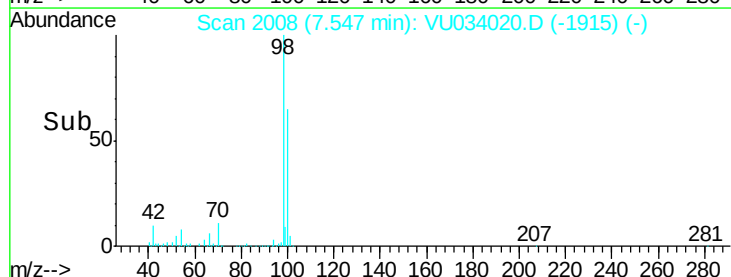
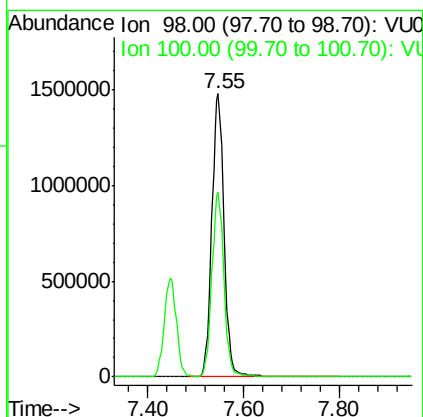
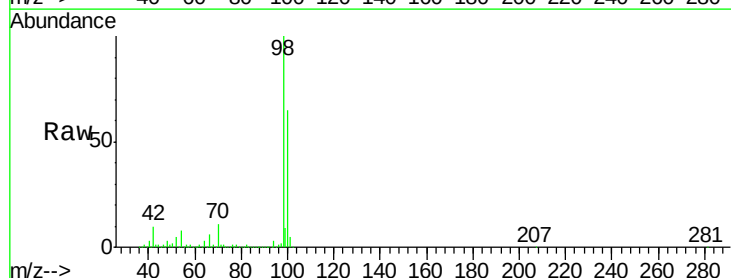
RT: 7.55 min Scan# 2008

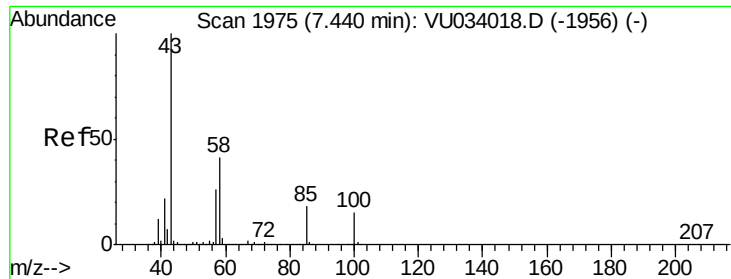
Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Tgt Ion:	98	Resp:	2606084
Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 837.436 ug/l

RT: 7.45 min Scan# 1977

Delta R.T. 0.01 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 5987602

Ion Ratio Lower Upper

43 100

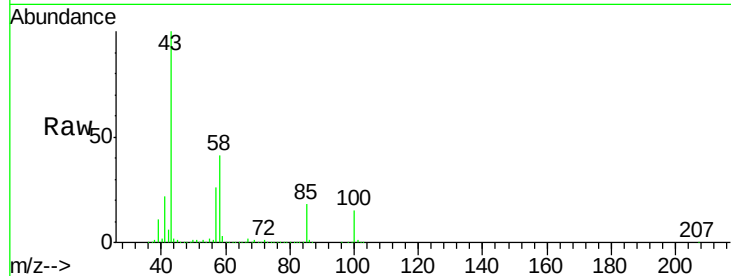
58 41.0 32.2 48.4

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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1956) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-1956) (-)

7.45

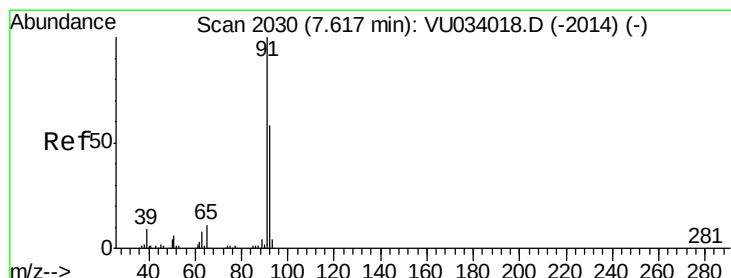
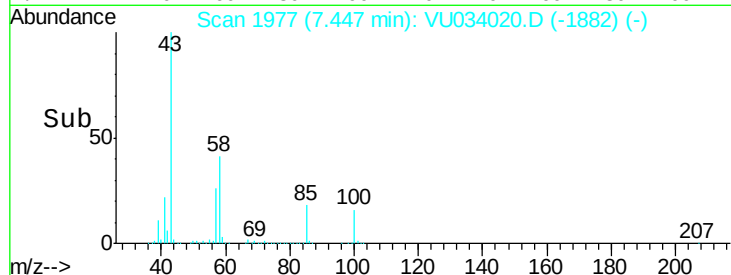
3000000

2000000

1000000

0

Time-->



#52

Toluene

Concen: 148.249 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034020.D

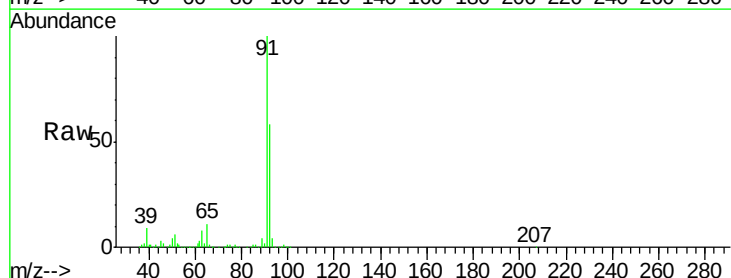
Acq: 28 Aug 2019 13:37

Tgt Ion: 92 Resp: 1830334

Ion Ratio Lower Upper

92 100

91 172.1 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VU034018.D (-1914) (-)

Ion 91.00 (90.70 to 91.70): VU034018.D (-1914) (-)

7.62

2000000

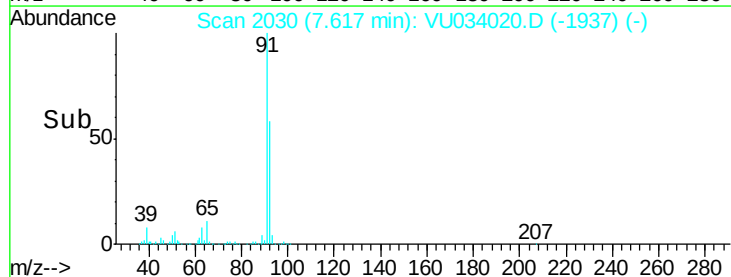
1500000

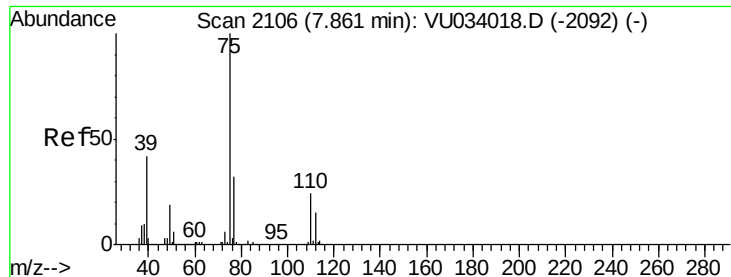
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 163.347 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 123539

Ion Ratio Lower Upper

75 100

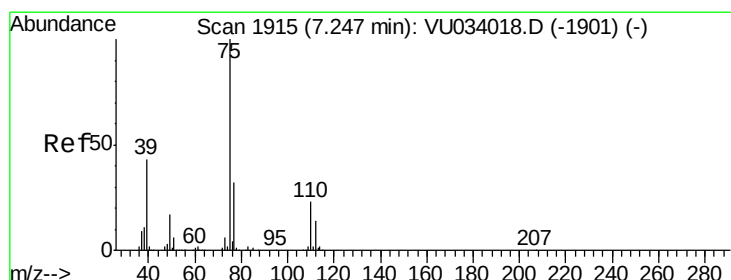
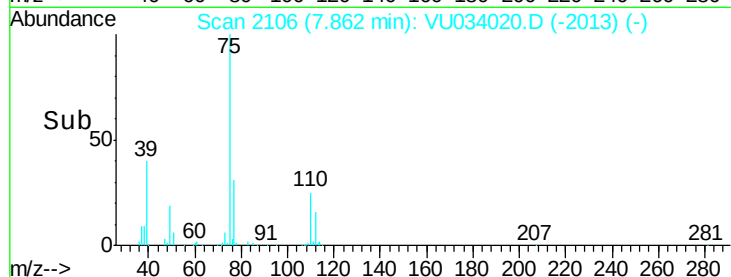
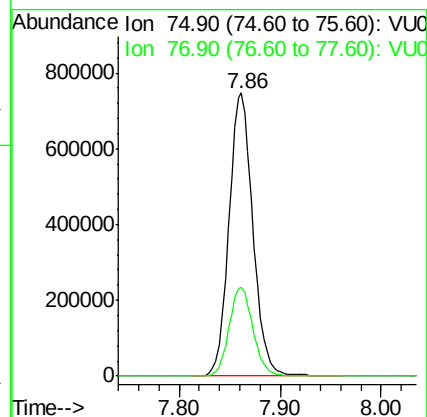
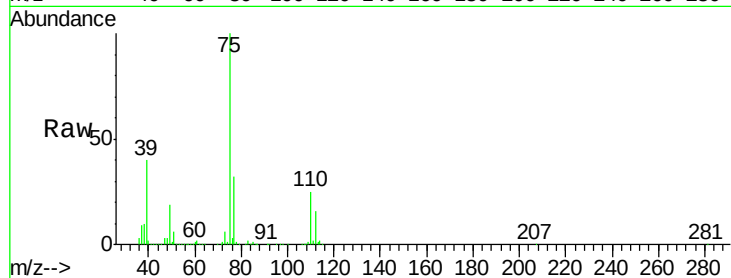
77 31.5 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 160.079 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

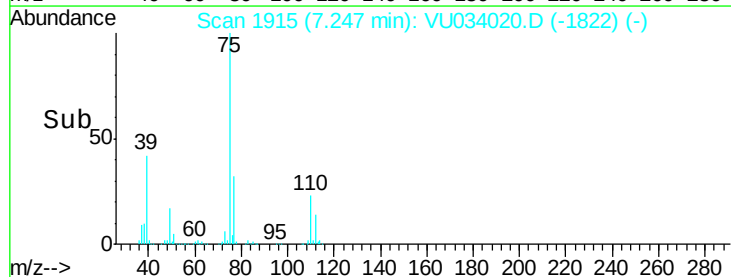
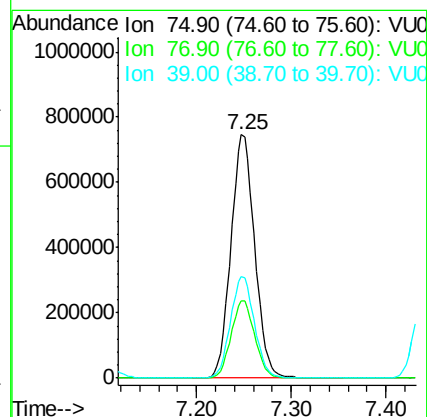
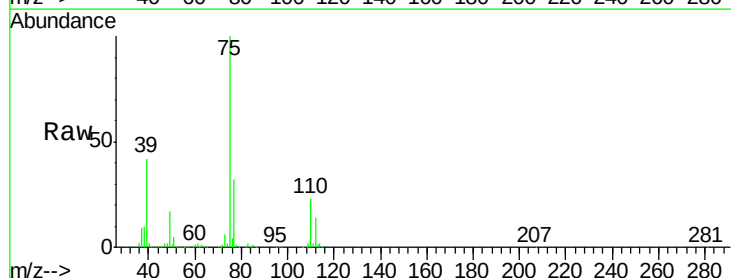
Tgt Ion: 75 Resp: 1303286

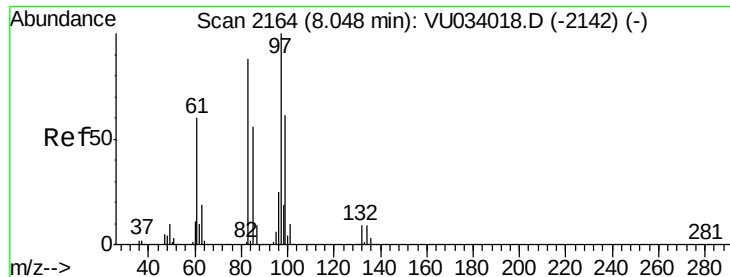
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 41.8 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 147.500 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

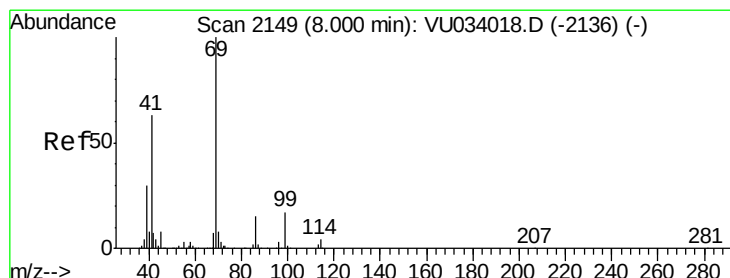
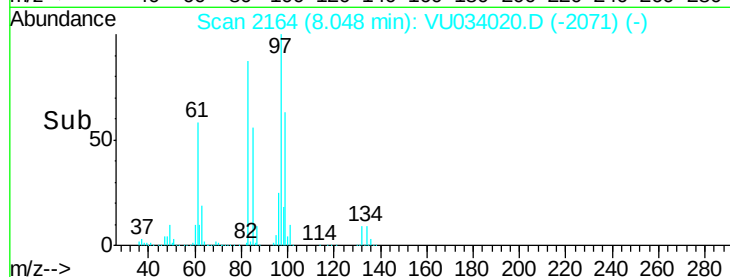
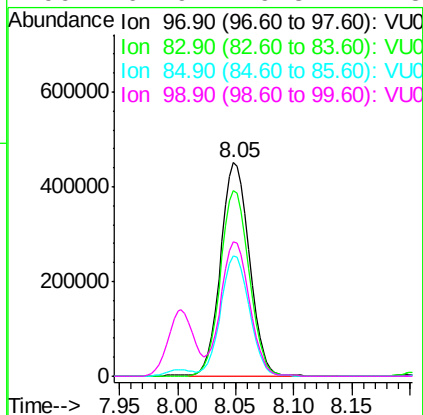
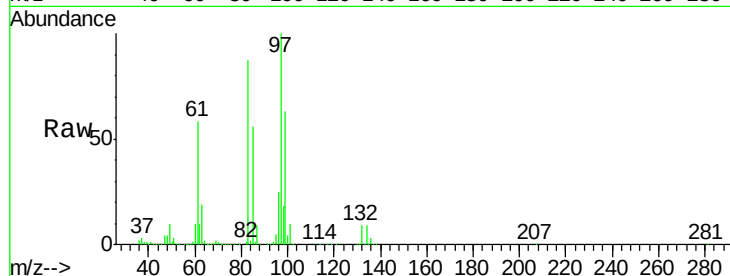
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	773219
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.1	105.1
85	56.3	45.0	67.4
99	62.9	49.8	74.8

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#56

Ethyl methacrylate

Concen: 176.275 ug/l

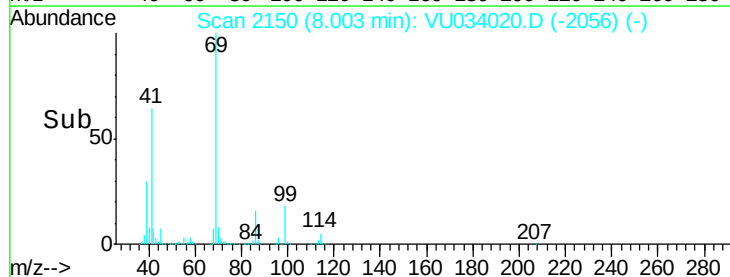
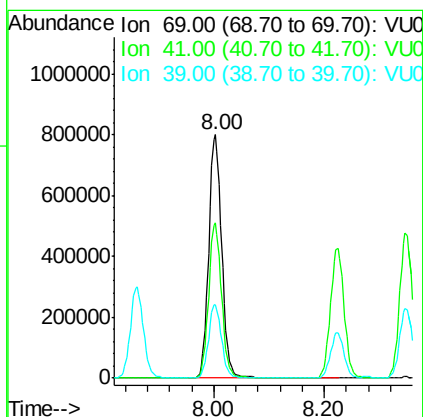
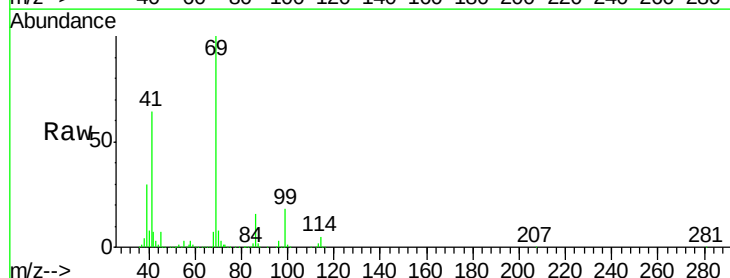
RT: 8.00 min Scan# 2150

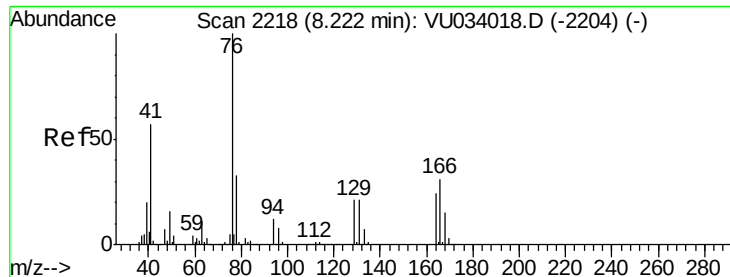
Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Tgt Ion:	69	Resp:	1316685
Ion	Ratio	Lower	Upper
69	100		
41	63.1	50.7	76.1
39	29.9	24.2	36.2





#57

1,3-Dichloropropane

Concen: 154.396 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1316424

Ion Ratio Lower Upper

76 100

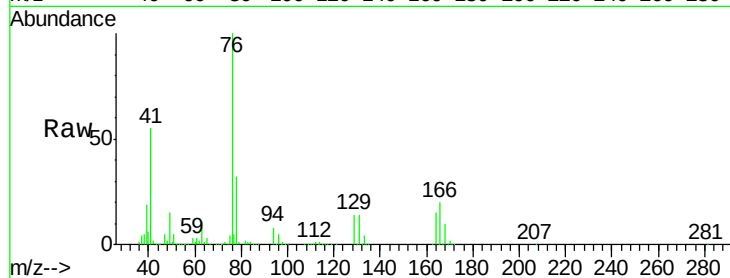
78 32.2 26.2 39.4

Manual Integrations

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8/29/2019 8:47:18 AM



Abundance Ion 75.90 (75.60 to 76.60): VU034018.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU034018.D (-2204) (-)

8.22

800000

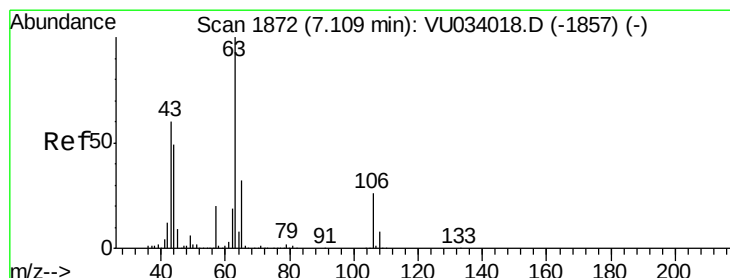
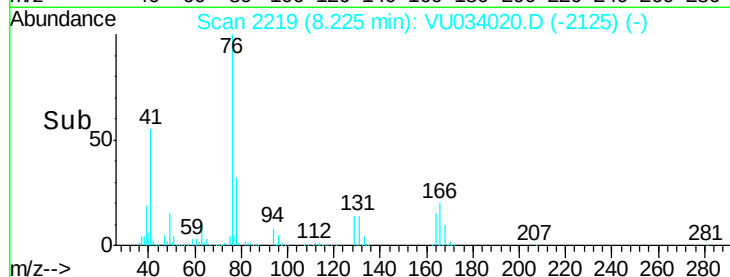
600000

400000

200000

0

Time--> 8.10 8.20 8.30



#58

2-Chloroethyl Vinyl ether

Concen: 936.775 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034020.D

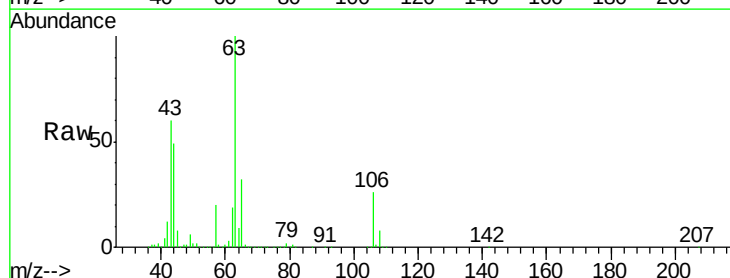
Acq: 28 Aug 2019 13:37

Tgt Ion: 63 Resp: 2573885

Ion Ratio Lower Upper

63 100

106 26.5 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-1857) (-)

Ion 105.90 (105.60 to 106.60): VU034018.D (-1857) (-)

7.11

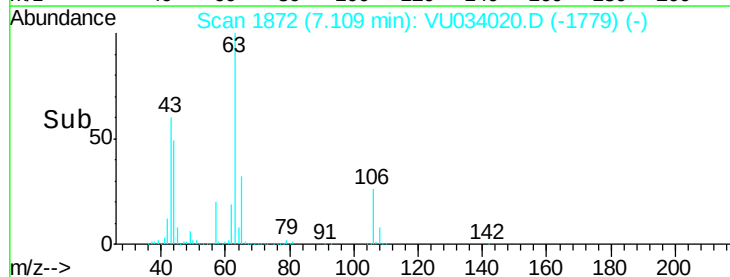
1500000

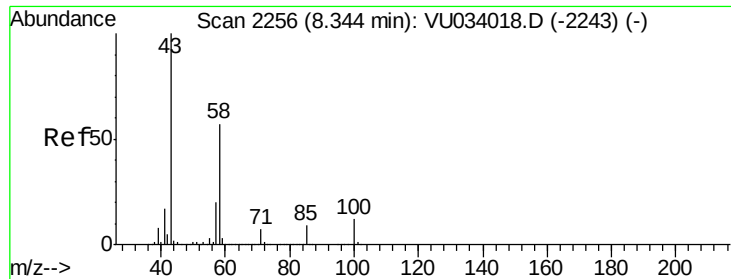
1000000

500000

0

Time--> 7.00 7.10 7.20





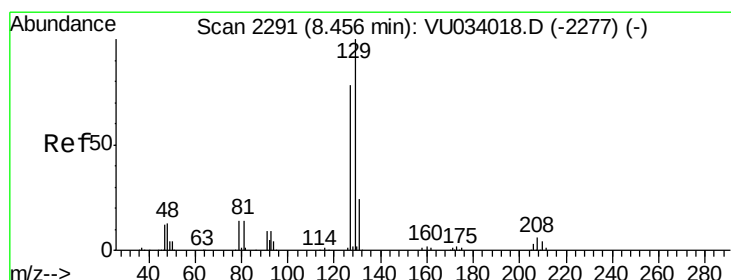
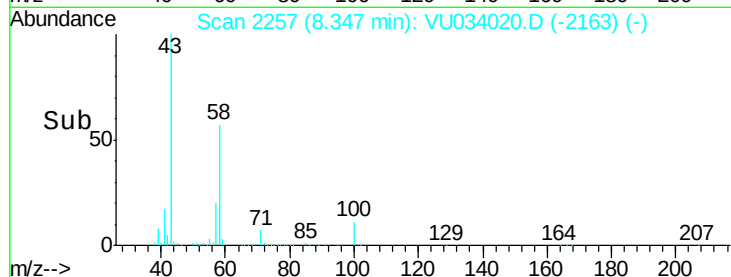
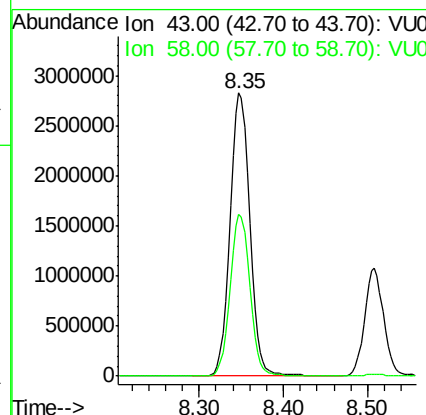
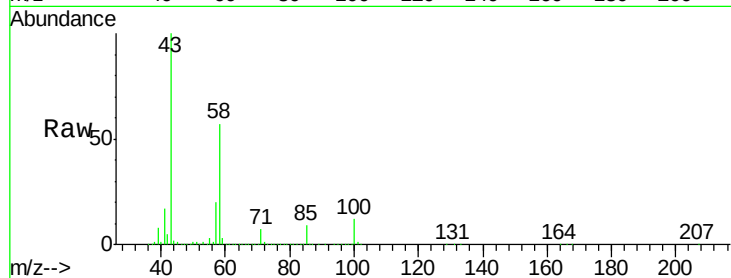
#59
2-Hexanone
Concen: 840.338 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4614112
Ion Ratio Lower Upper
43 100
58 57.4 28.4 85.3

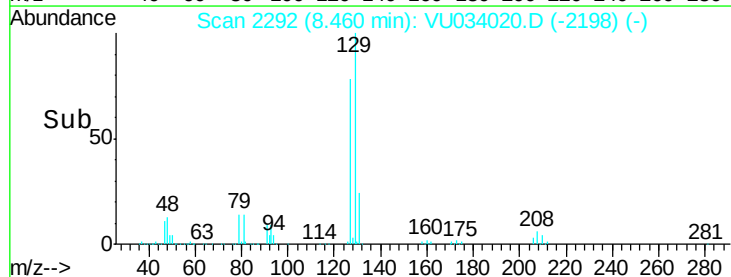
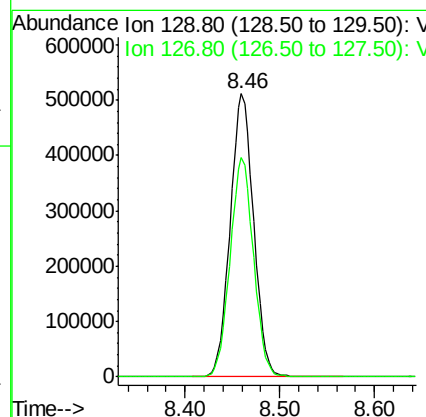
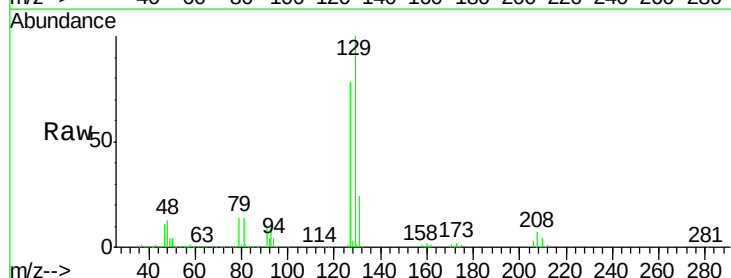
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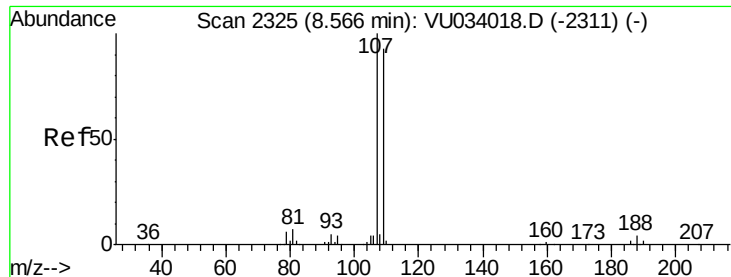
MMDadoda
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#60
Dibromochloromethane
Concen: 151.186 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Tgt Ion: 129 Resp: 881057
Ion Ratio Lower Upper
129 100
127 77.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 149.763 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 823795

Ion Ratio Lower Upper

107 100

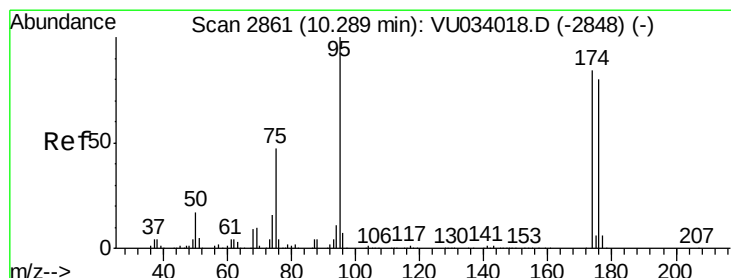
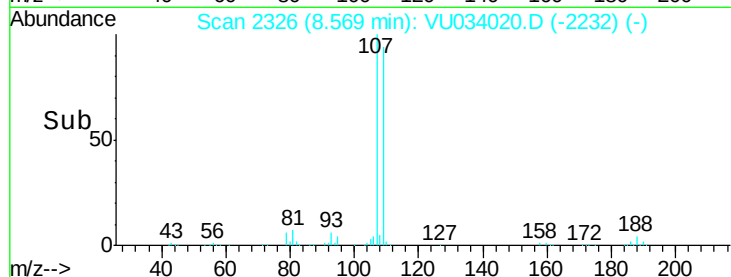
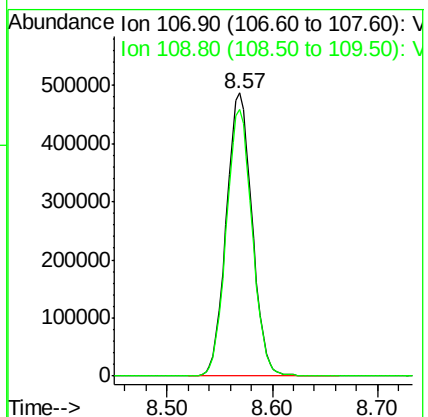
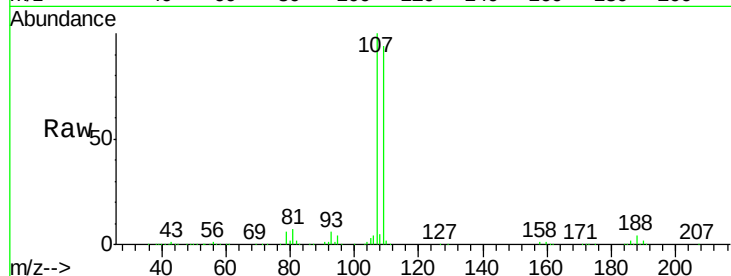
109 94.5 75.2 112.8

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 150.839 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

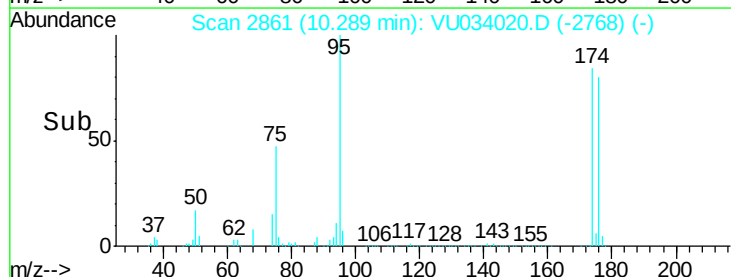
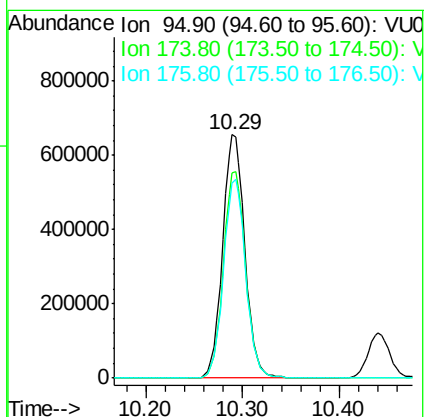
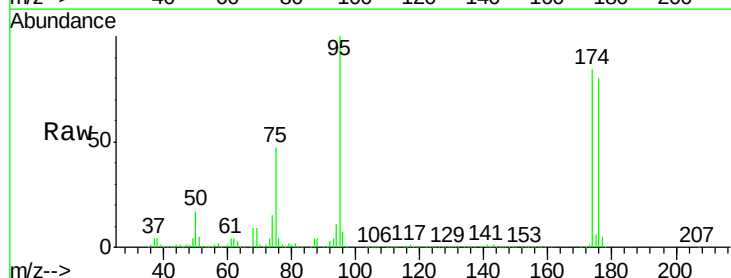
Tgt Ion: 95 Resp: 1040344

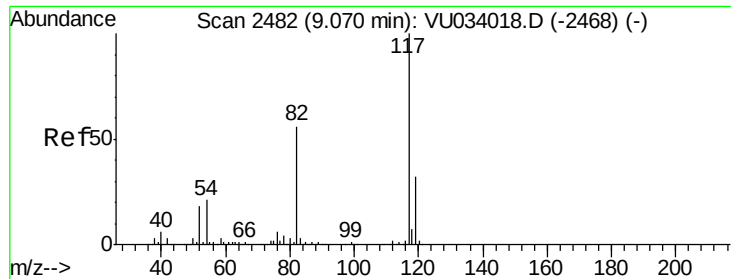
Ion Ratio Lower Upper

95 100

174 85.0 0.0 168.8

176 81.8 0.0 161.8





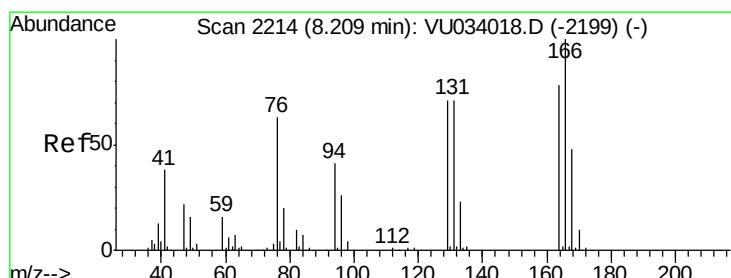
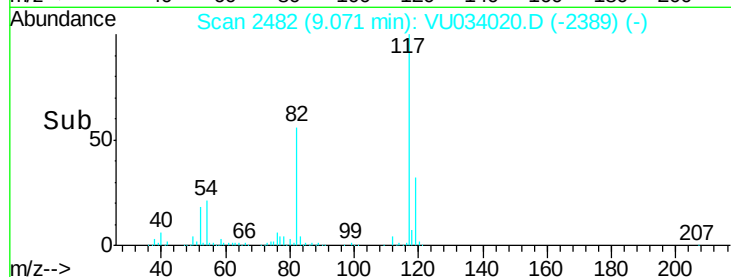
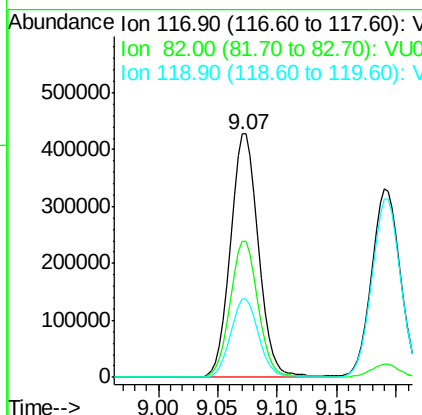
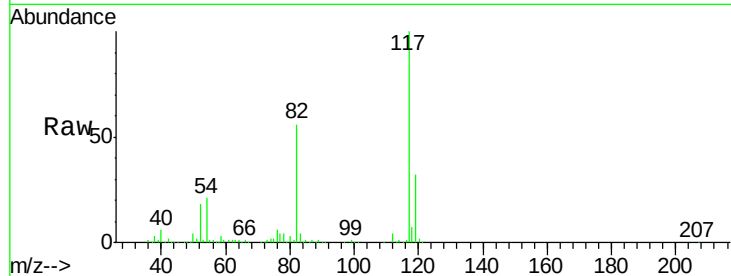
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	701118		
82	56.2		45.1	67.7
119	32.0		25.4	38.0

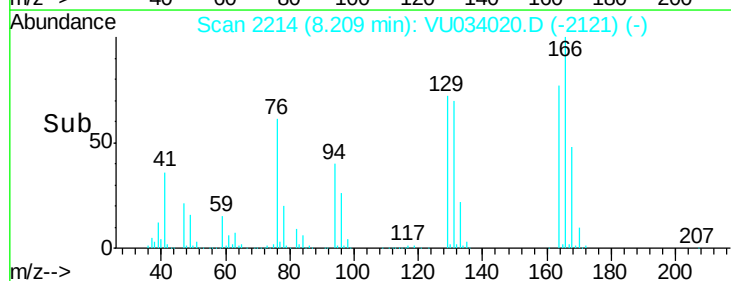
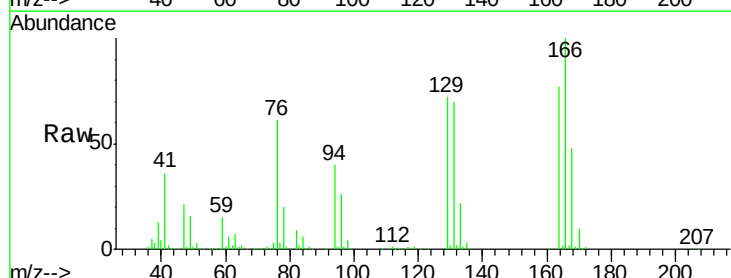
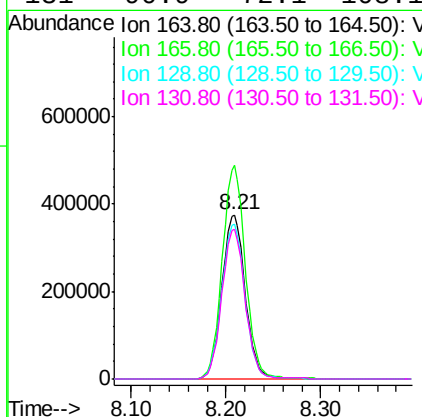
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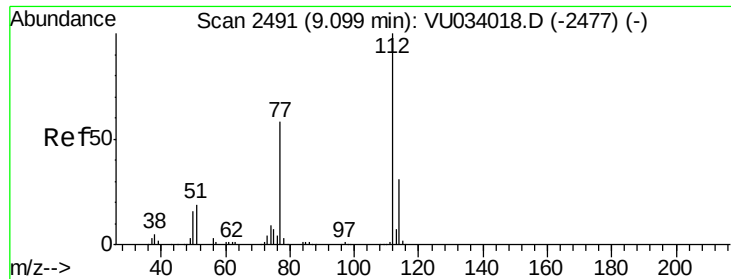
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#64
Tetrachloroethene
Concen: 116.376 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	644966		
166	129.9		102.2	153.2
129	94.1		72.4	108.6
131	90.9		72.1	108.1





#65

Chlorobenzene

Concen: 143.108 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 2096519

Ion Ratio Lower Upper

112 100

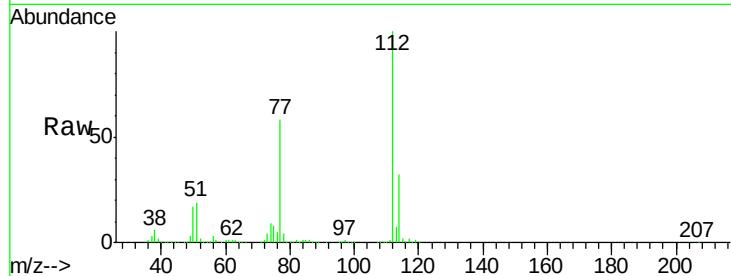
114 32.1 25.0 37.4

Manual Integrations

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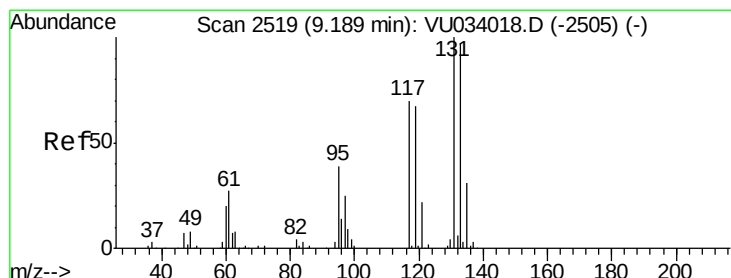
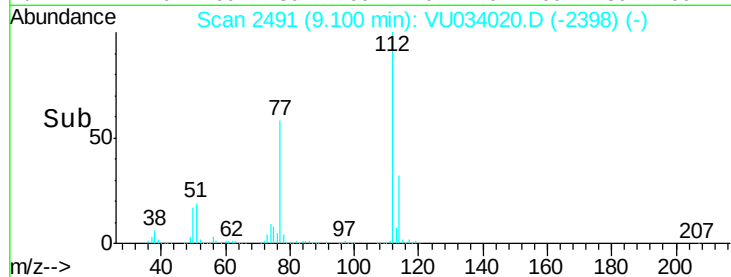
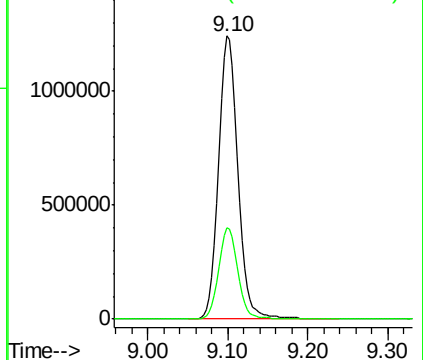
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 144.297 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

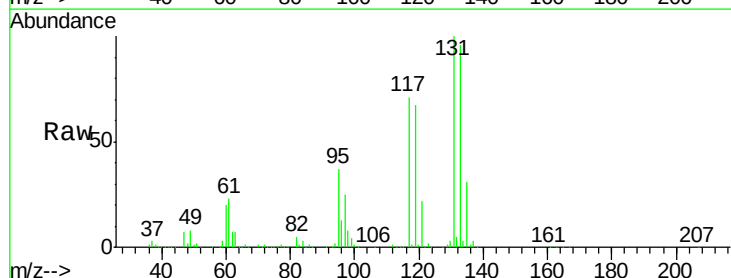
Tgt Ion:131 Resp: 781157

Ion Ratio Lower Upper

131 100

133 95.8 48.4 145.2

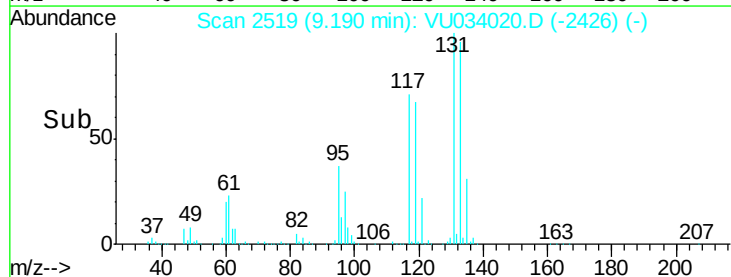
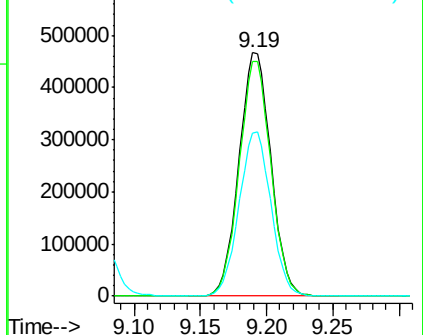
119 67.3 33.6 100.6

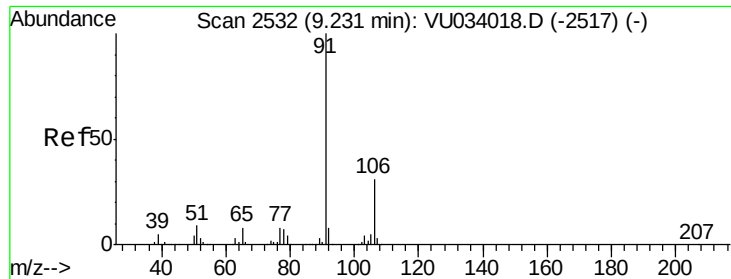


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 149.695 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3675757

Ion Ratio Lower Upper

91 100

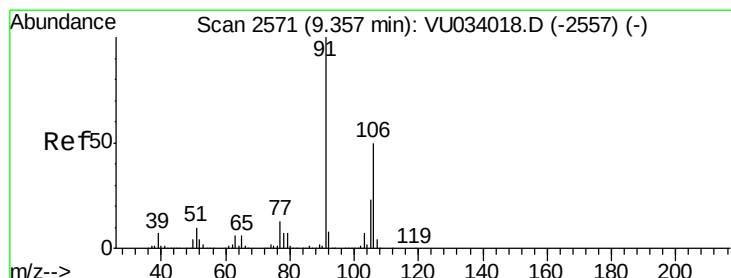
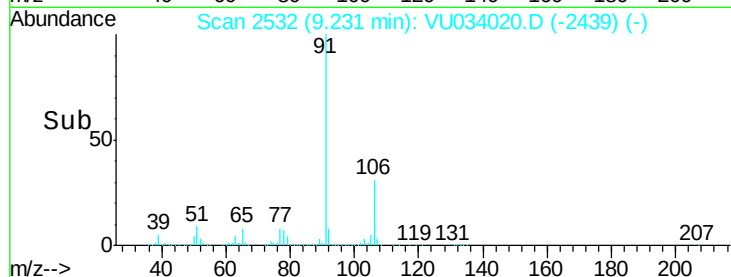
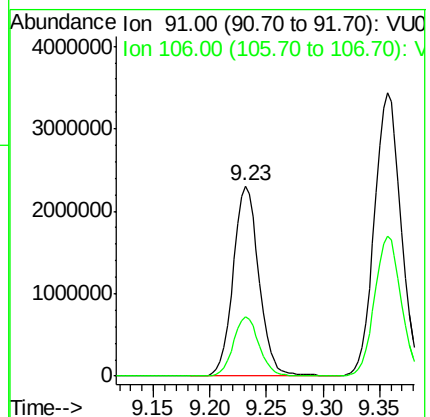
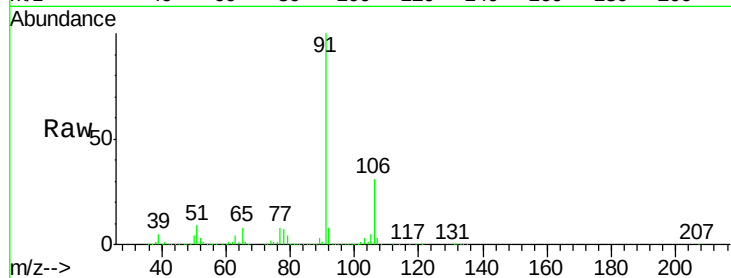
106 31.2 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 296.025 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034020.D

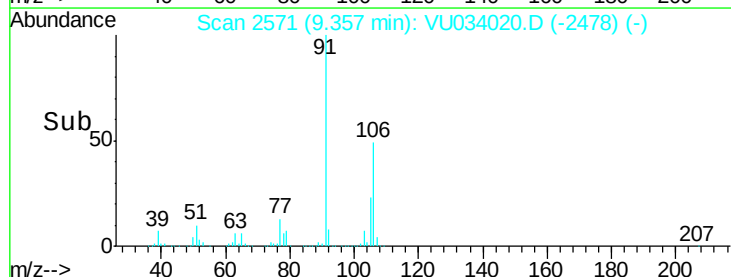
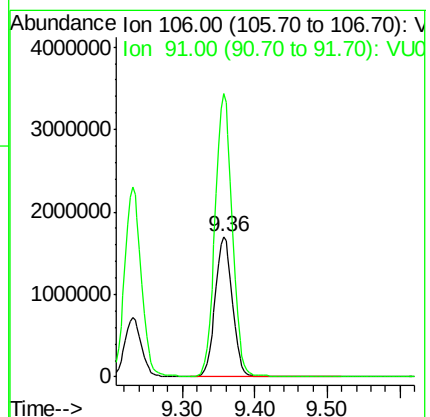
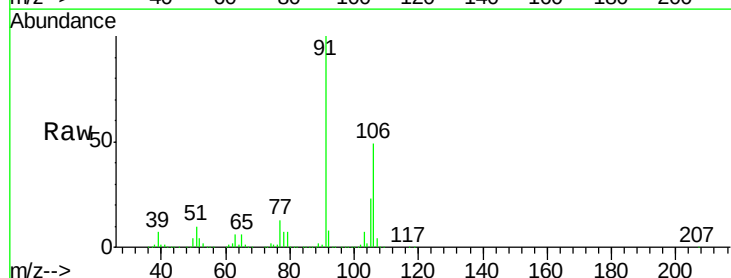
Acq: 28 Aug 2019 13:37

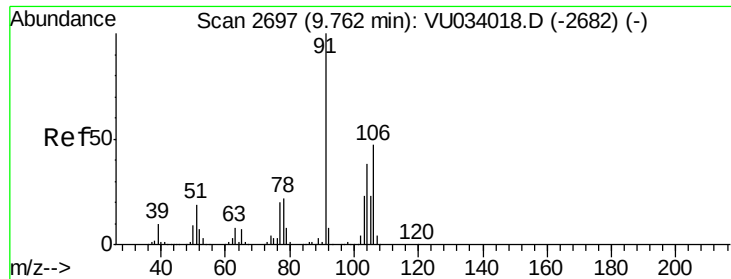
Tgt Ion: 106 Resp: 2794964

Ion Ratio Lower Upper

106 100

91 201.3 161.6 242.4





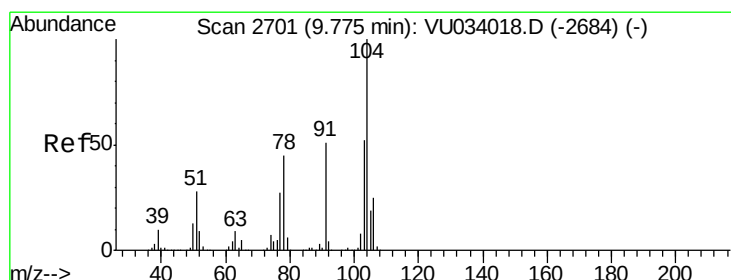
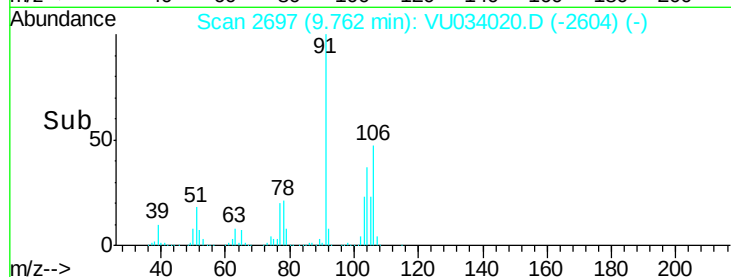
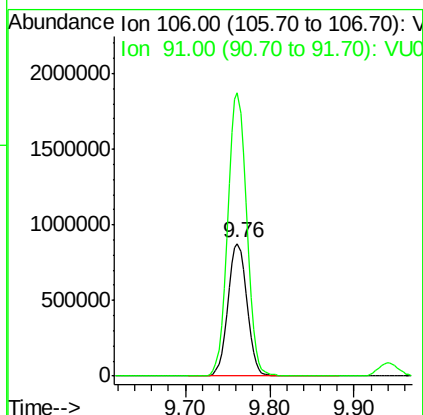
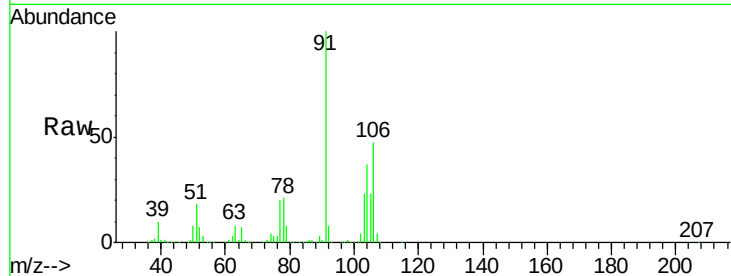
#69
o-Xylene
Concen: 151.637 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1372171
Ion Ratio Lower Upper
106 100
91 212.8 106.0 318.0

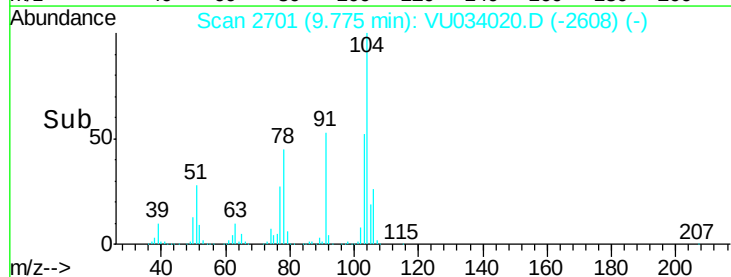
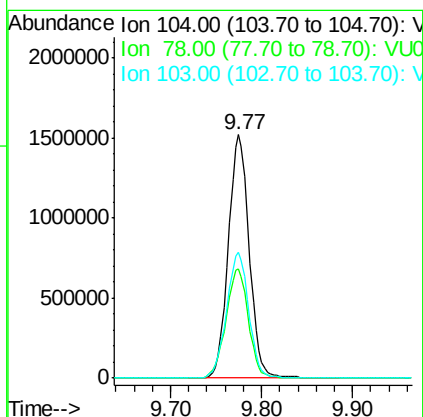
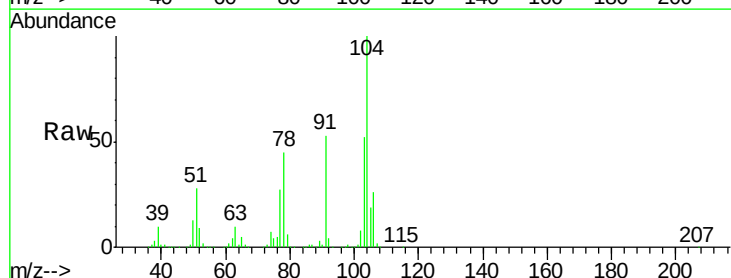
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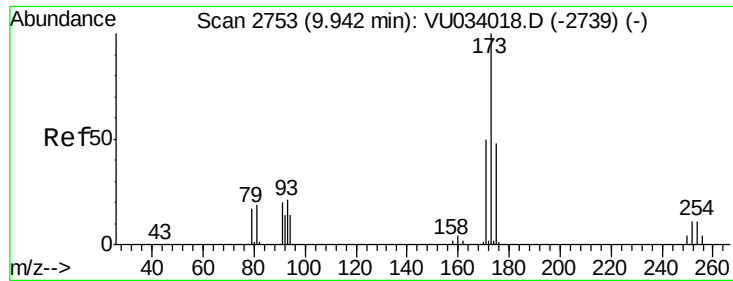
MMDadoda
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#70
Styrene
Concen: 156.453 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Tgt Ion:104 Resp: 2424045
Ion Ratio Lower Upper
104 100
78 48.4 39.0 58.4
103 55.2 44.0 66.0





#71

Bromoform

Concen: 148.520 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

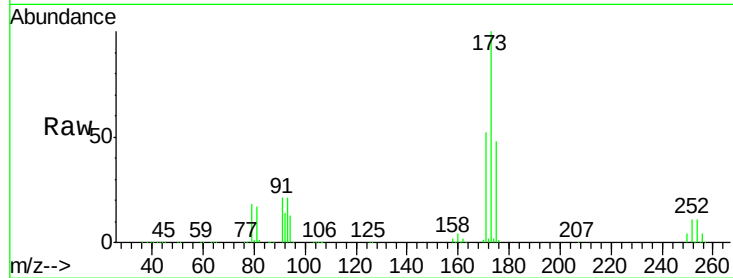
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.6
254	0.2	0.0	0.0

Manual Integrations
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8/29/2019 8:47:18 AM

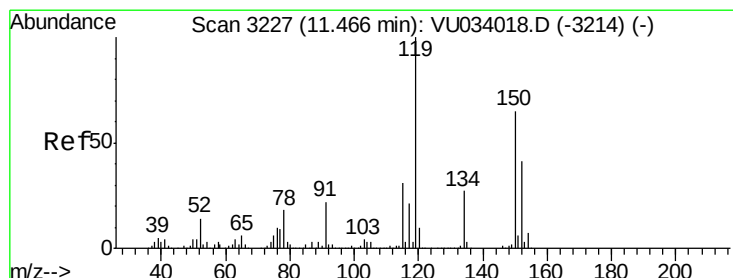
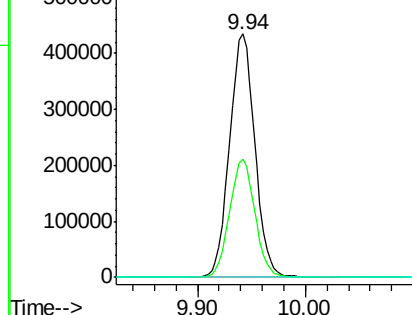
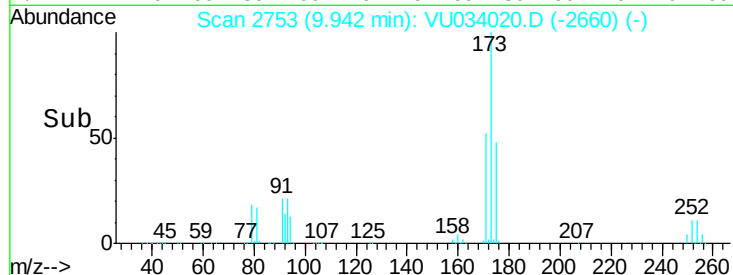


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

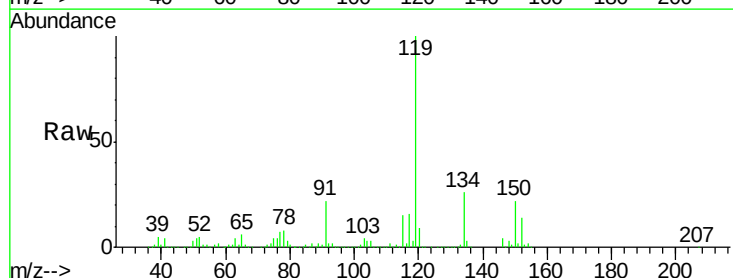
RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	121.6	41.1	123.3
150	202.6	0.0	348.8

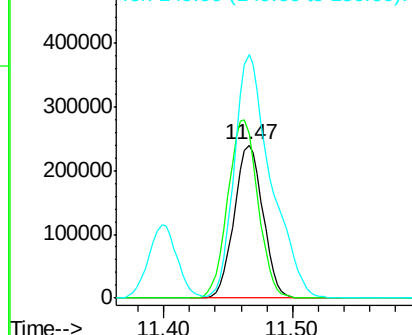
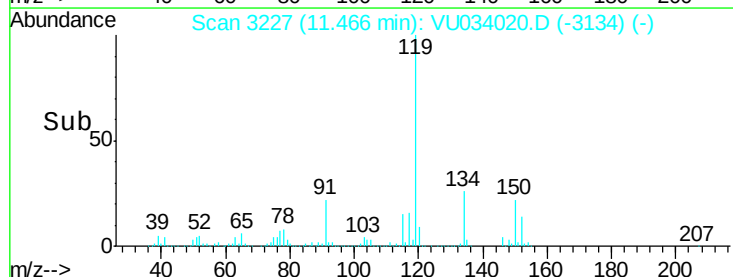


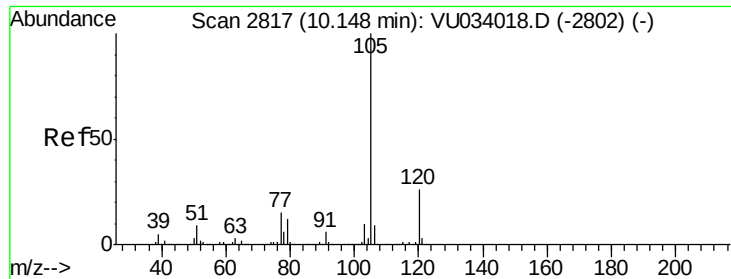
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 150.991 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3702740

Ion Ratio Lower Upper

105 100

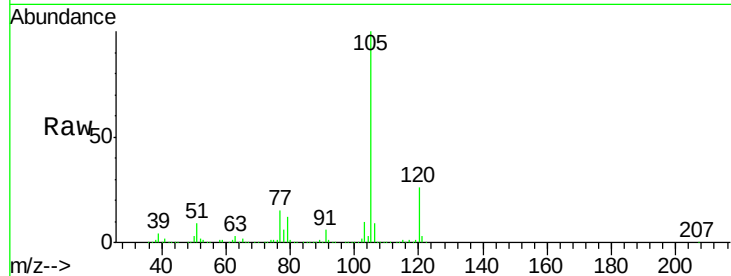
120 26.6 13.3 39.8

Manual Integrations

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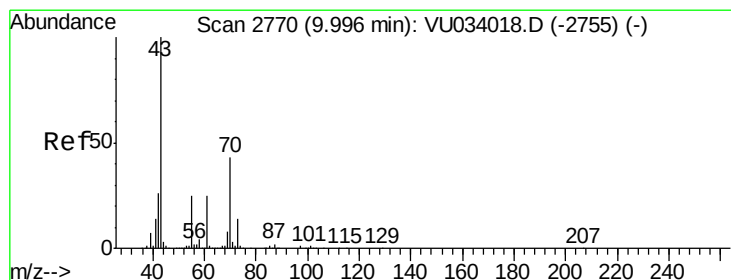
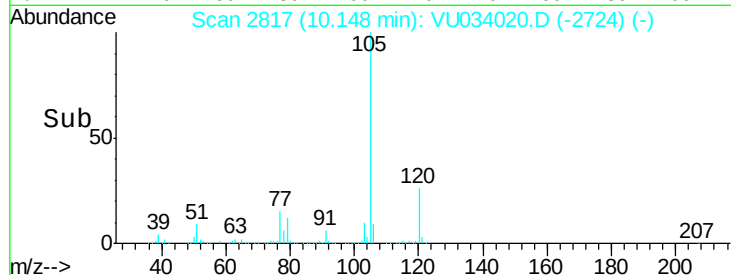
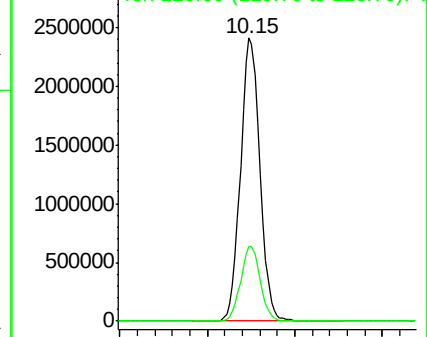
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 180.834 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Tgt Ion: 43 Resp: 1704498

Ion Ratio Lower Upper

43 100

70 44.5 35.2 52.8

55 24.7 20.5 30.7

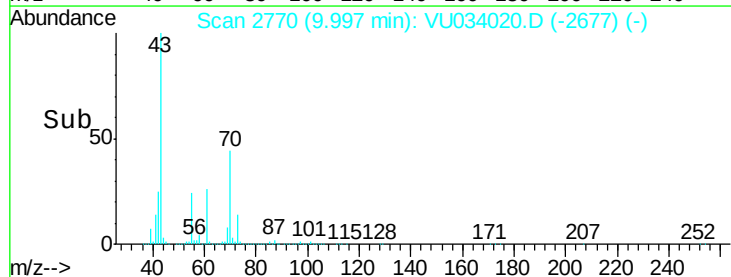
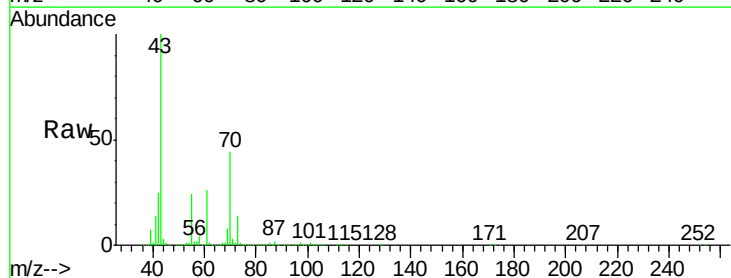
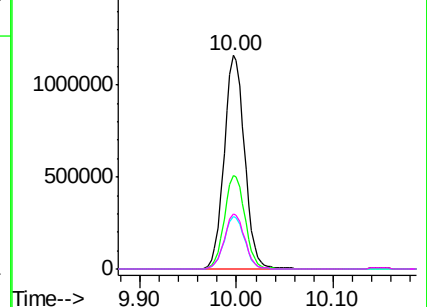
61 25.7 20.0 30.0

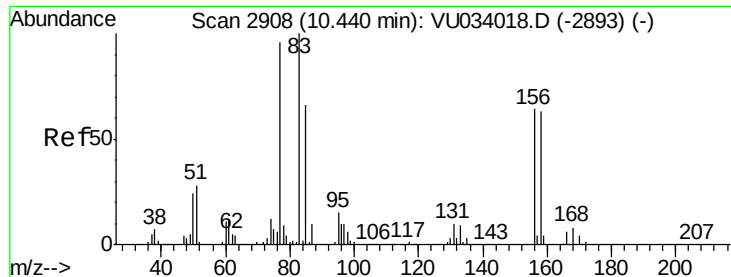
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 147.585 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1315573

Ion Ratio Lower Upper

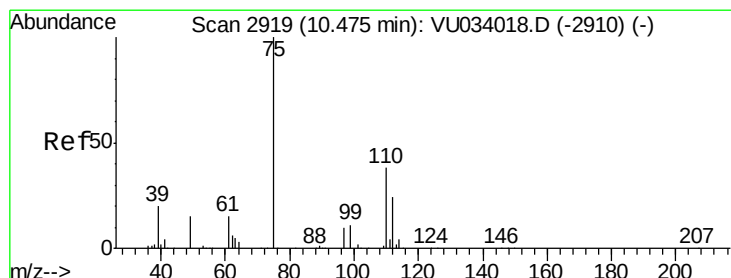
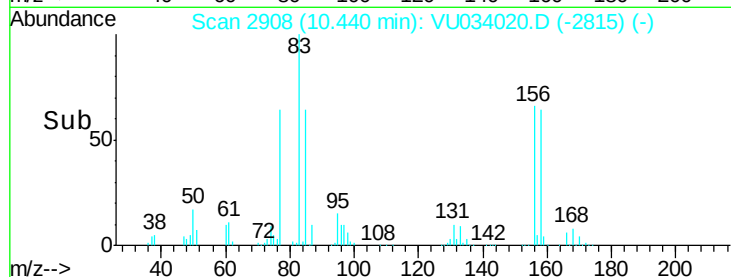
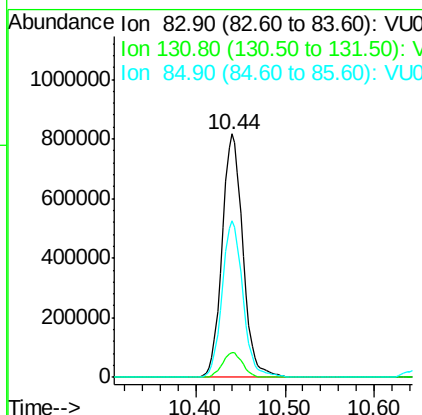
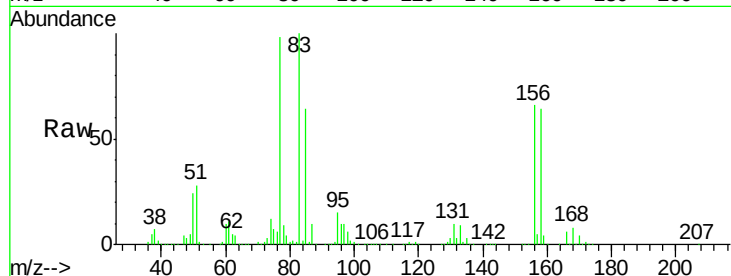
83 100

131 10.0 5.0 14.9

85 64.4 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 148.190 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034020.D

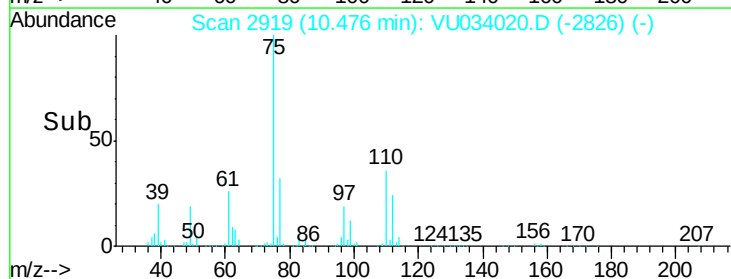
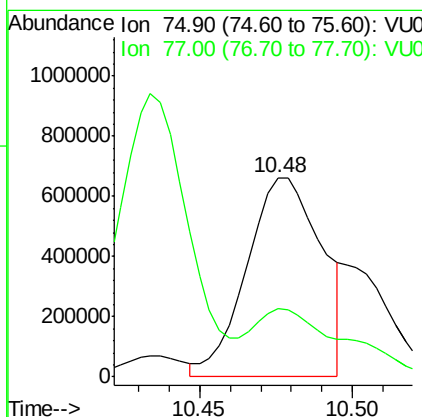
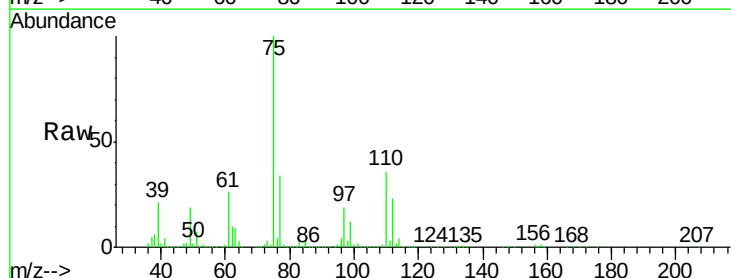
Acq: 28 Aug 2019 13:37

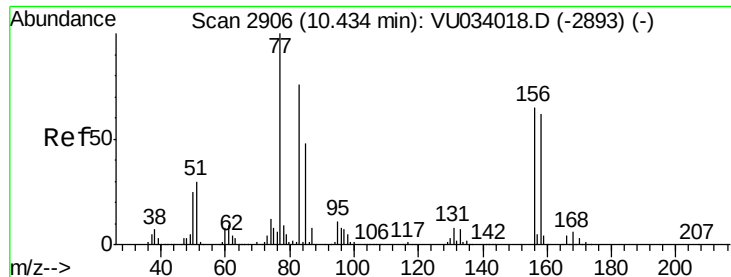
Tgt Ion: 75 Resp: 1132105

Ion Ratio Lower Upper

75 100

77 42.1 20.1 60.2





#77

Bromobenzene

Concen: 140.582 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

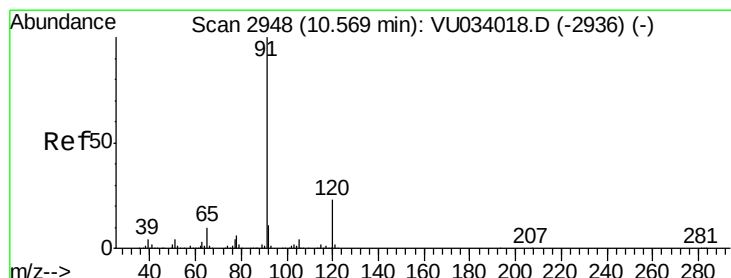
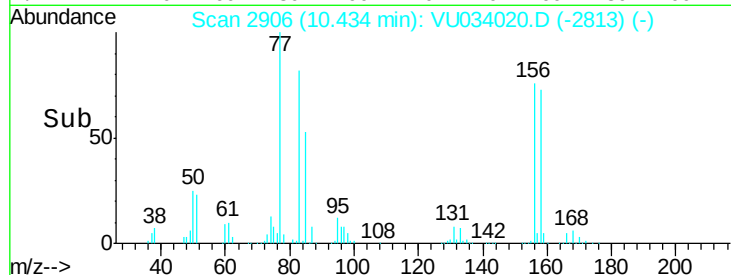
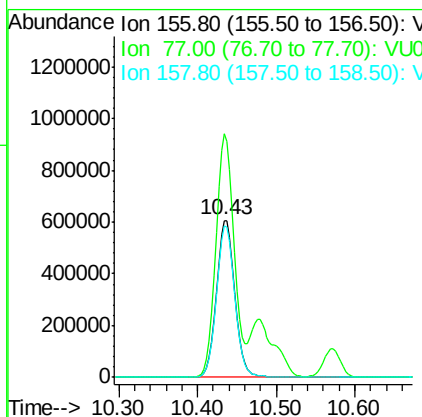
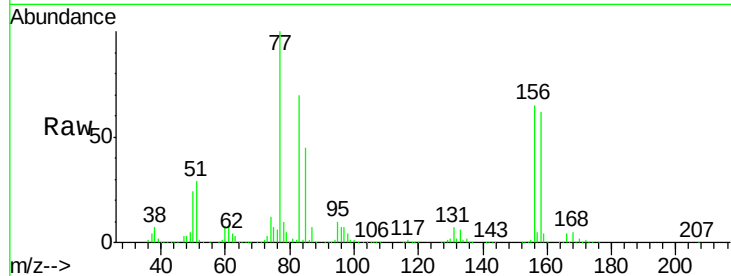
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	154.0	76.8	230.5
158	97.1	48.4	145.0

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#78

n-propylbenzene

Concen: 156.452 ug/l

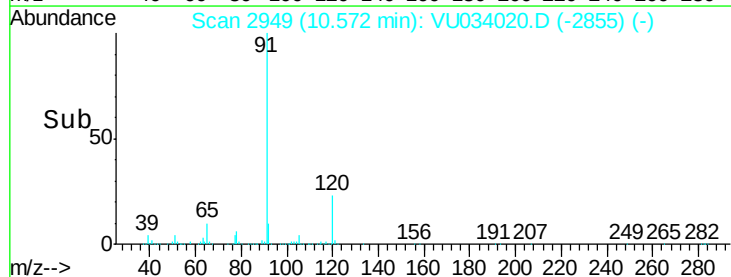
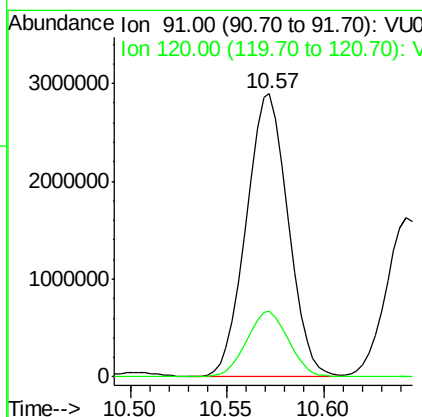
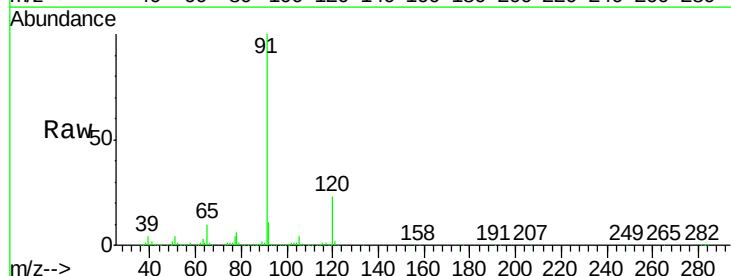
RT: 10.57 min Scan# 2949

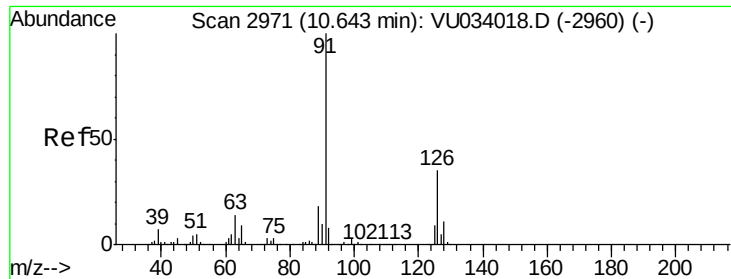
Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.0





#79

2-Chlorotoluene

Concen: 150.179 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2532544

Ion Ratio Lower Upper

91 100

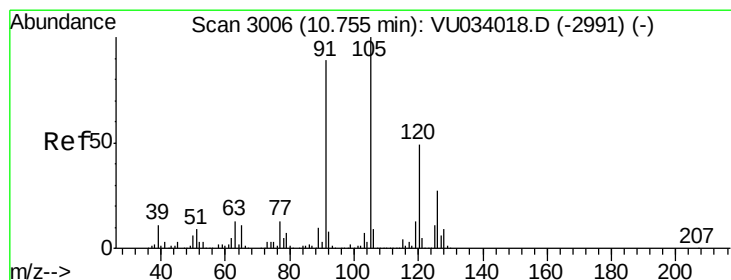
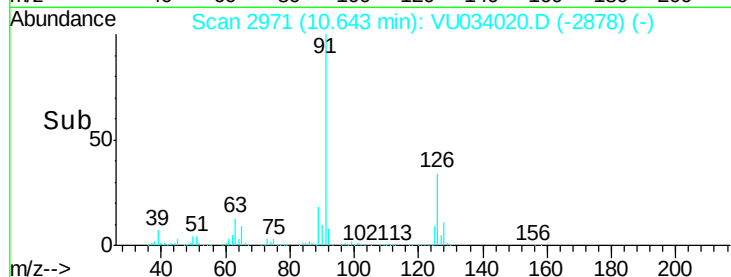
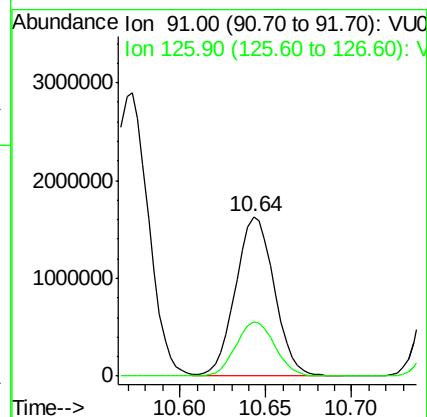
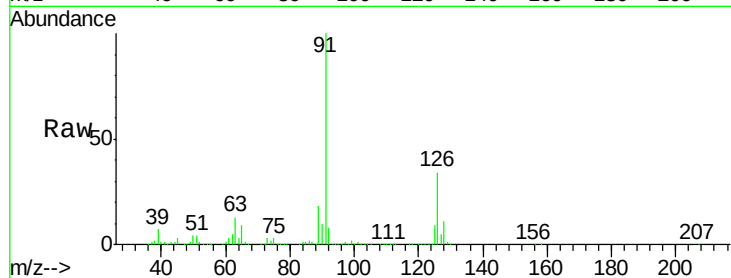
126 34.3 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 152.831 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU034020.D

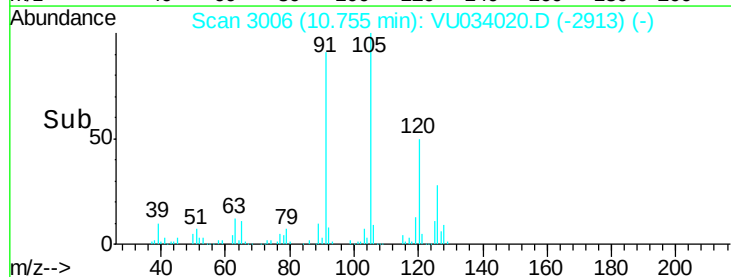
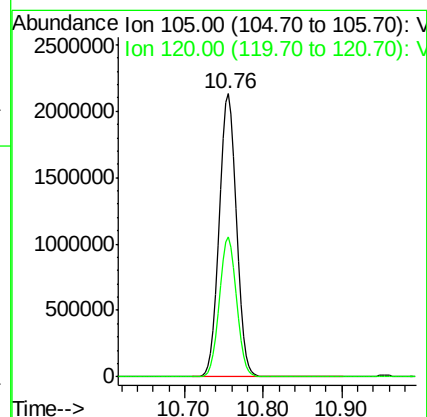
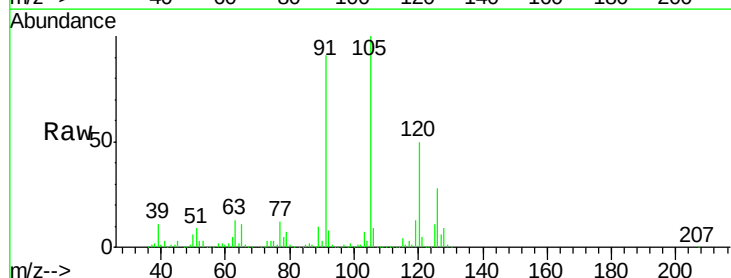
Acq: 28 Aug 2019 13:37

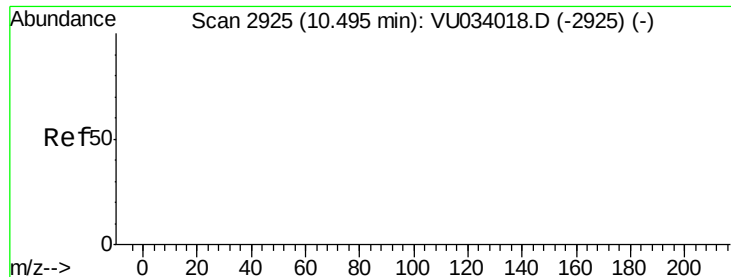
Tgt Ion:105 Resp: 3206218

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 155.580 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU034020.D

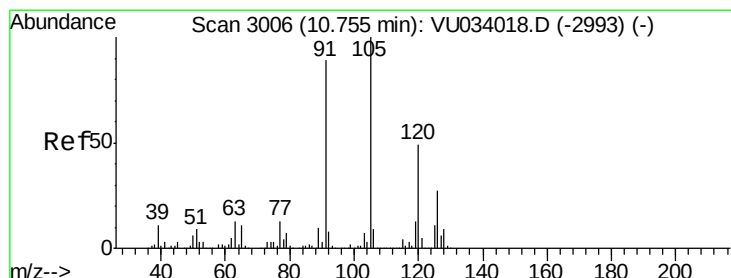
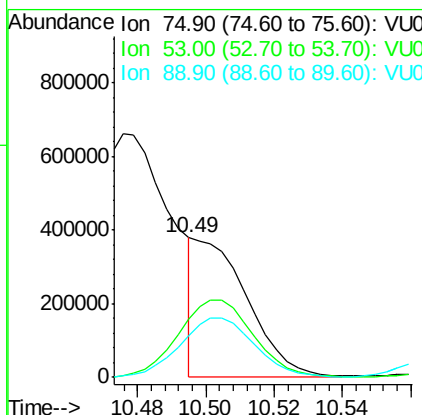
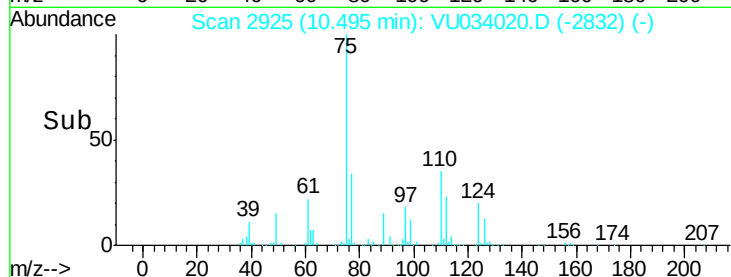
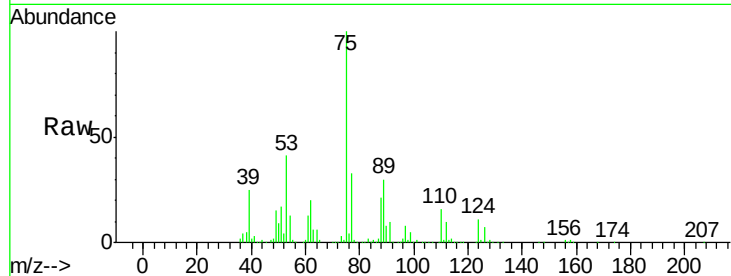
Acq: 28 Aug 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

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

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#82

4-Chlorotoluene

Concen: 152.243 ug/l

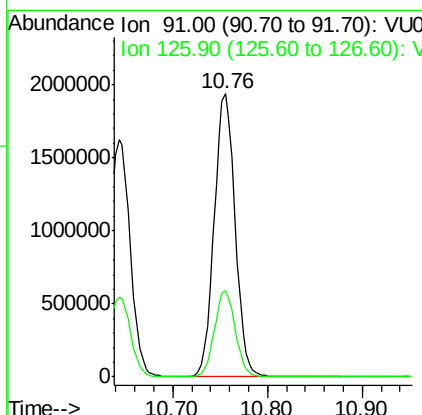
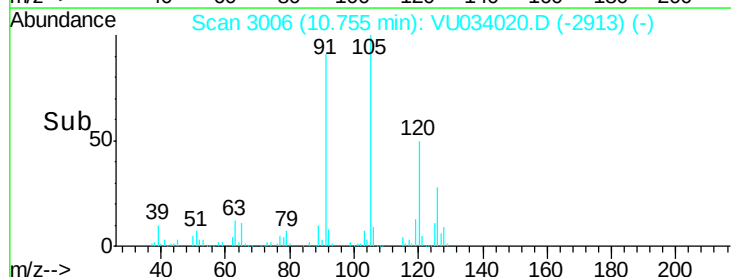
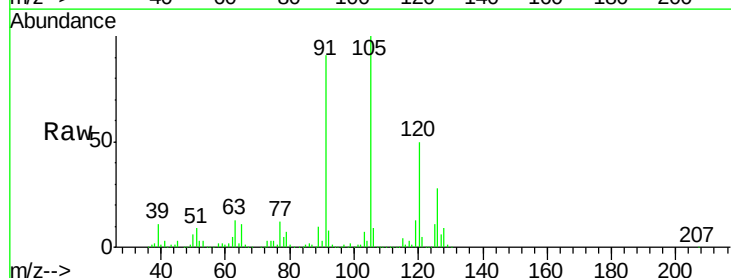
RT: 10.76 min Scan# 3006

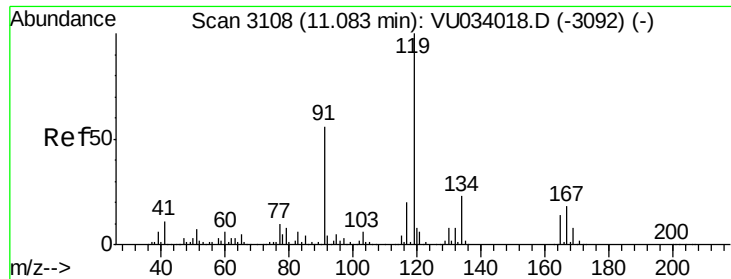
Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.0	45.1





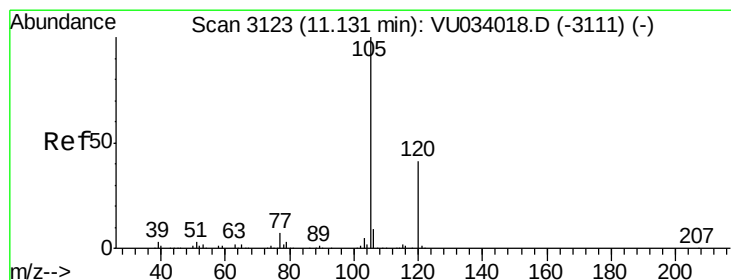
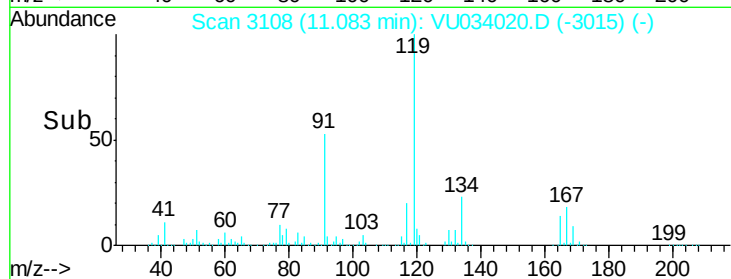
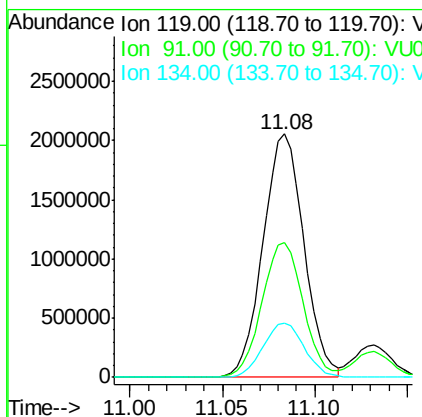
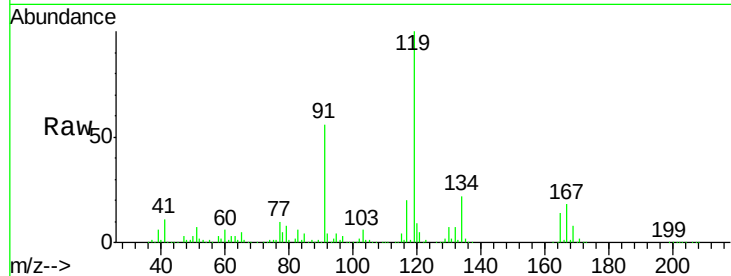
#83
 tert-Butylbenzene
 Concen: 155.071 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.7	27.9	83.6
134	22.6	11.4	34.2

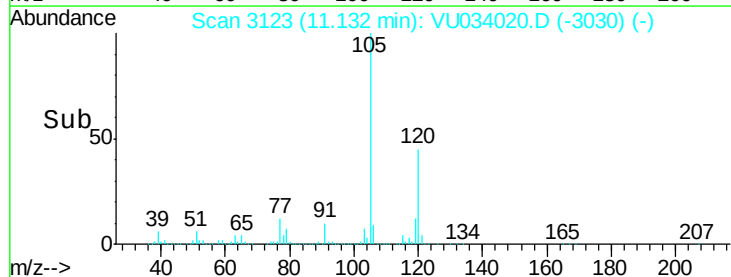
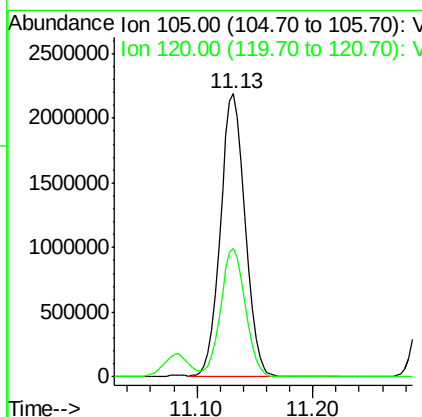
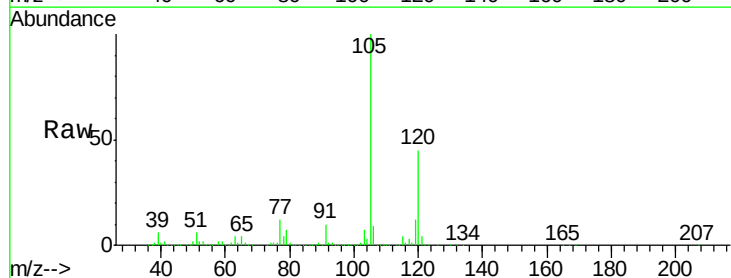
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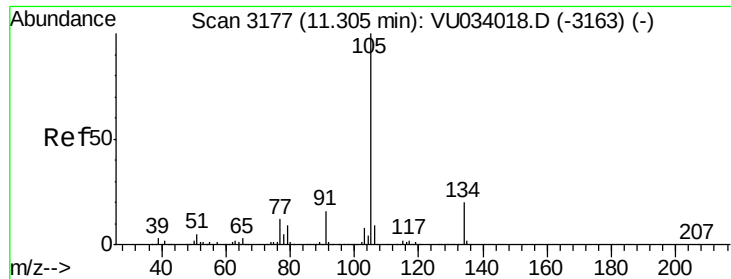
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#84
 1,2,4-Trimethylbenzene
 Concen: 157.248 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.8





#85

sec-Butylbenzene

Concen: 156.499 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3813499

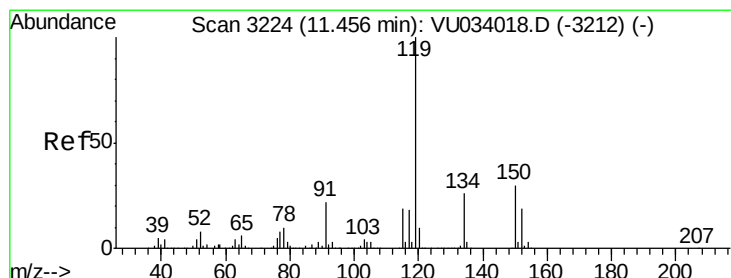
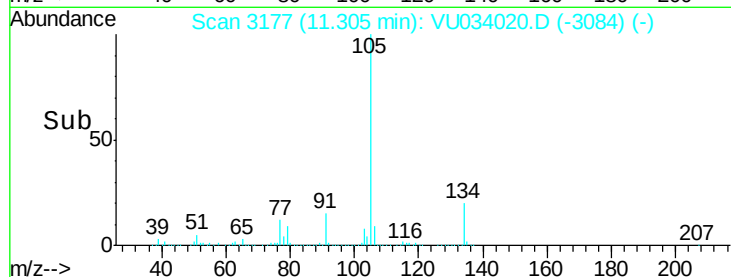
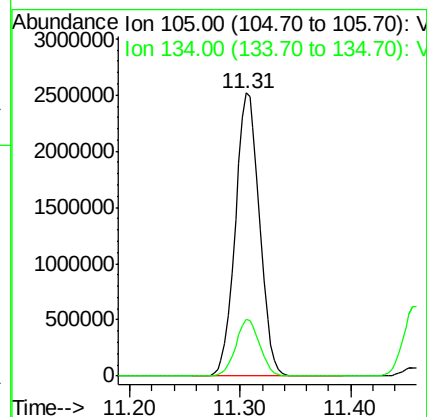
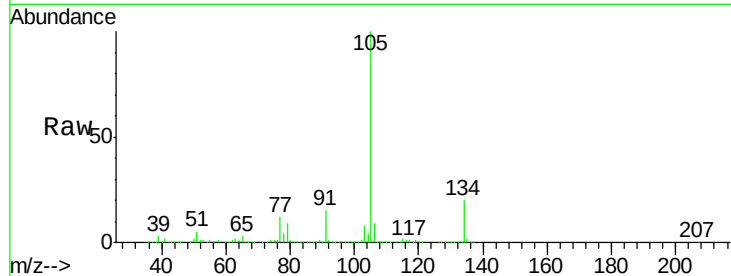
Ion Ratio Lower Upper

105 100

134 20.0 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 153.956 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

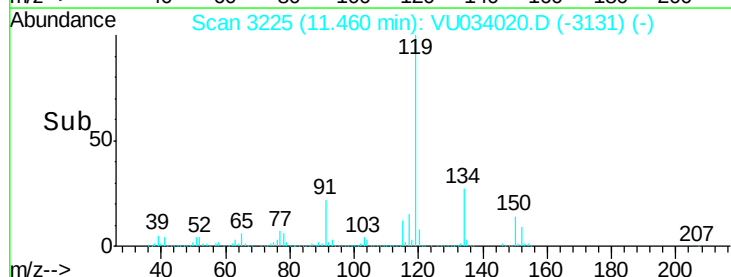
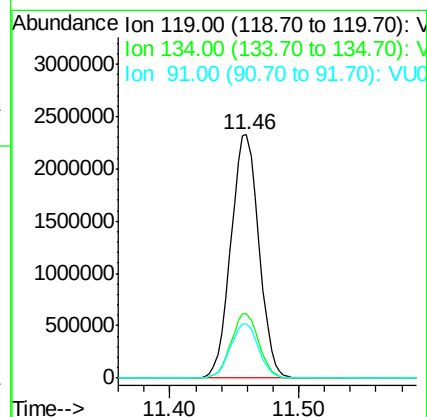
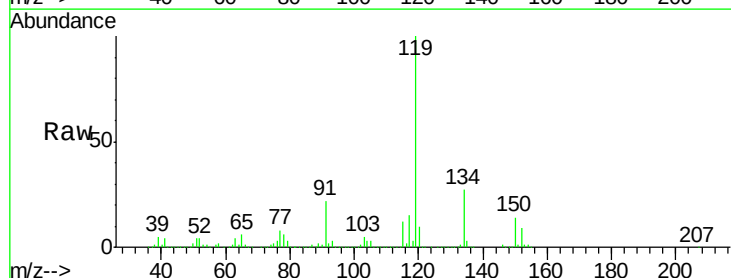
Tgt Ion:119 Resp: 3491961

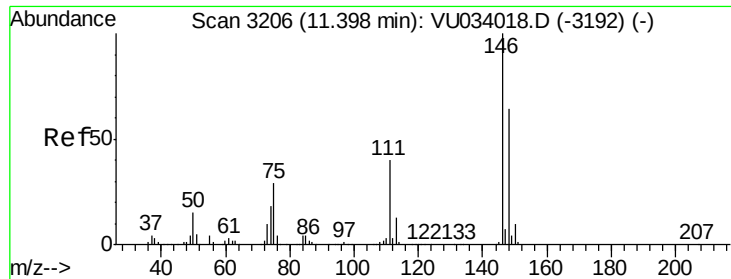
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.1

91 22.4 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 143.948 ug/l

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

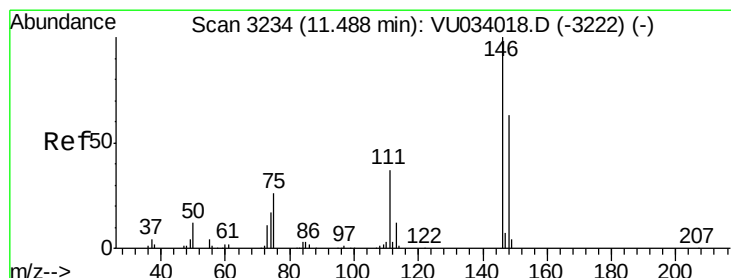
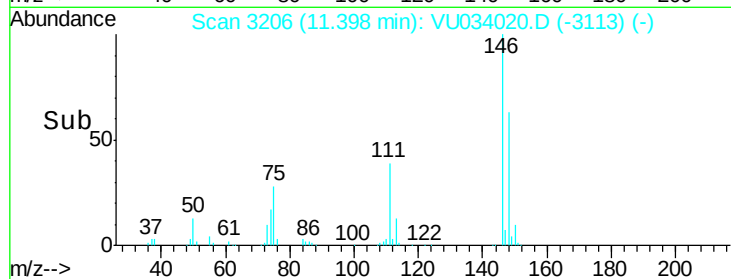
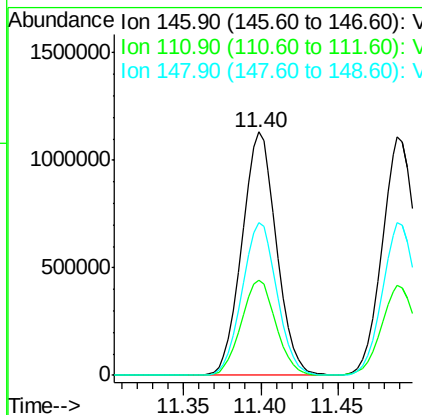
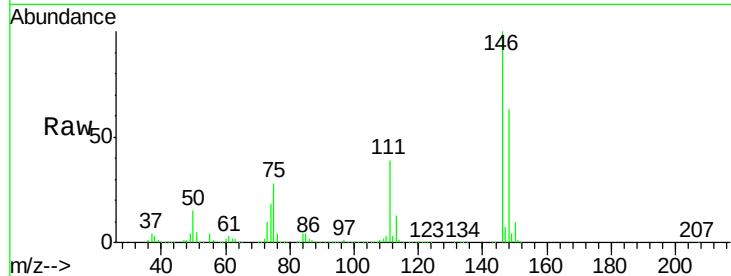
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	1751511
Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.9	59.6
148	63.5	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 140.113 ug/l

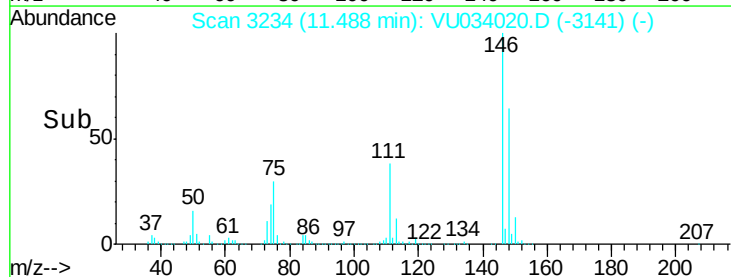
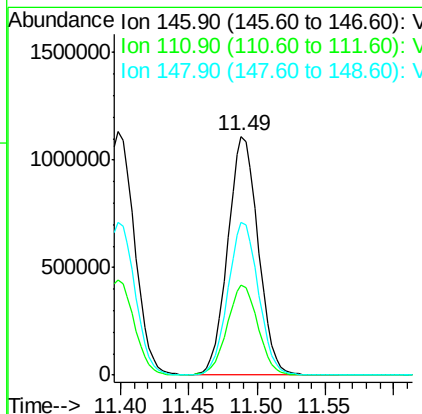
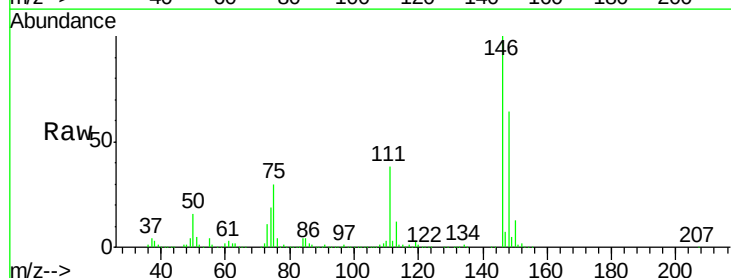
RT: 11.49 min Scan# 3234

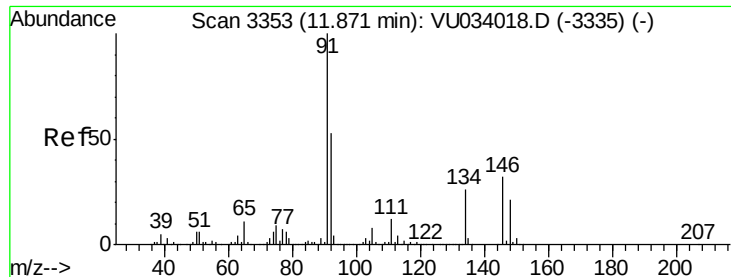
Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Tgt Ion:	146	Resp:	1719099
Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.2	57.6
148	64.2	31.9	95.9





#89

n-Butylbenzene

Concen: 168.213 ug/l

RT: 11.87 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VU034020.D

Acq: 28 Aug 2019 13:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3222809

Ion Ratio Lower Upper

91 100

92 53.1 26.3 78.9

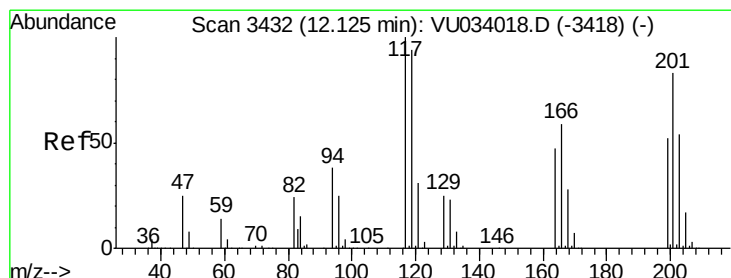
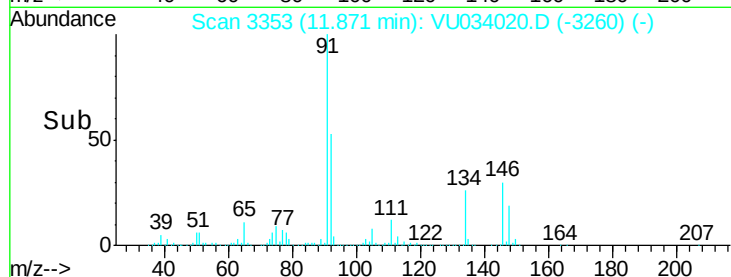
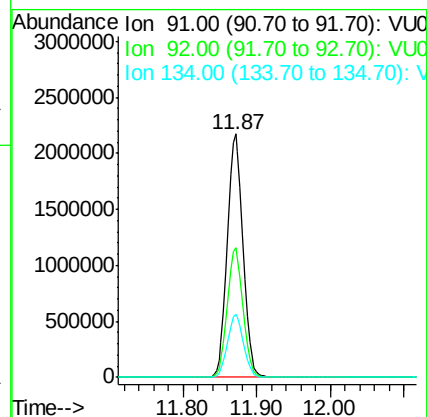
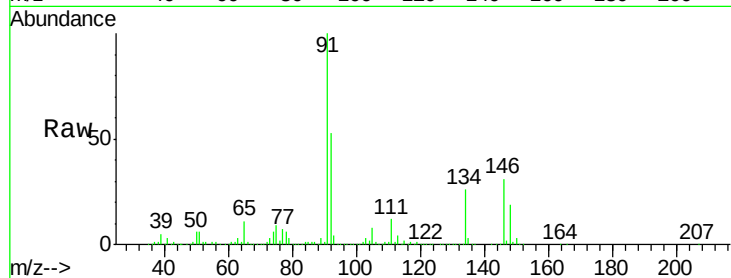
134 26.1 12.9 38.7

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#90

Hexachloroethane

Concen: 159.075 ug/l

RT: 12.13 min Scan# 3432

Delta R.T. 0.00 min

Lab File: VU034020.D

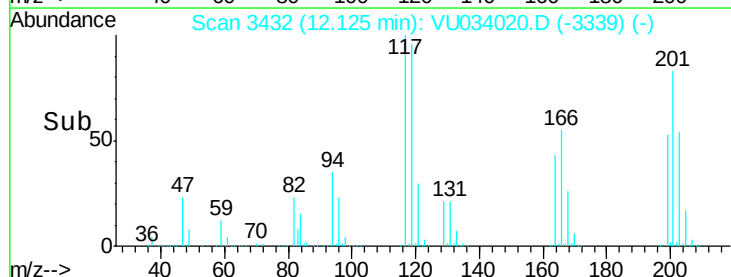
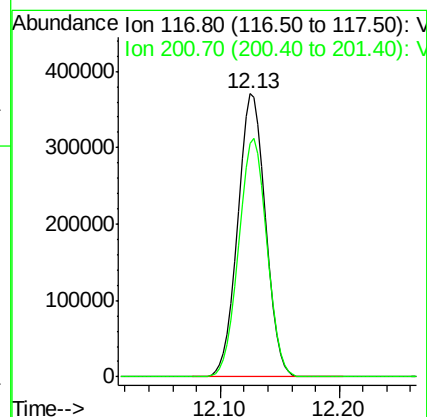
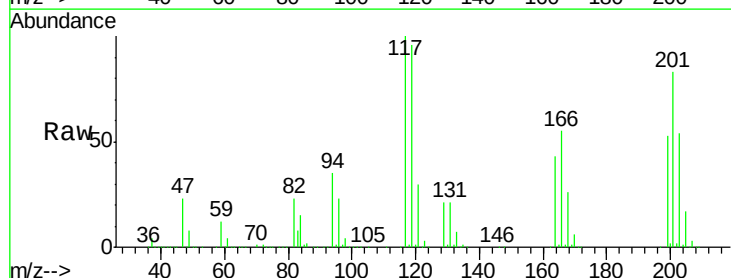
Acq: 28 Aug 2019 13:37

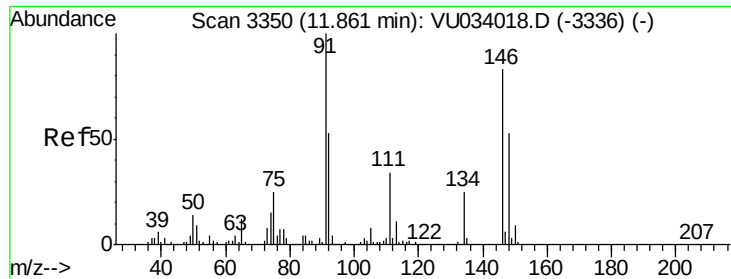
Tgt Ion: 117 Resp: 598929

Ion Ratio Lower Upper

117 100

201 85.4 42.5 127.6





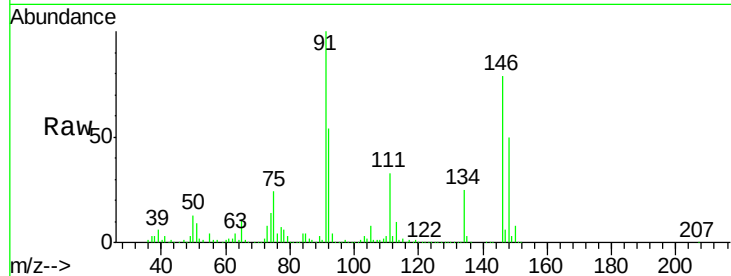
#91
 1,2-Dichlorobenzene
 Concen: 141.929 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.2
148	63.7	32.3	96.8

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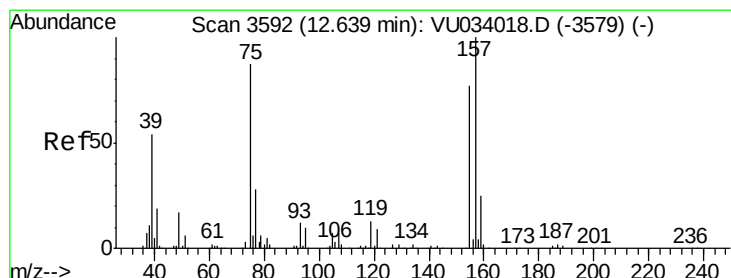
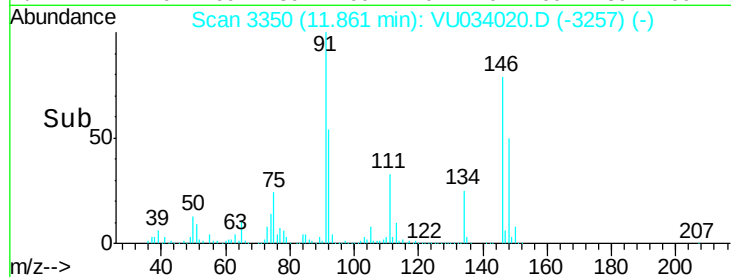
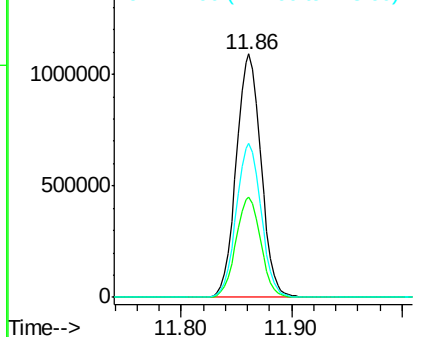


Abundance

Ion 145.90 (145.60 to 146.60): V

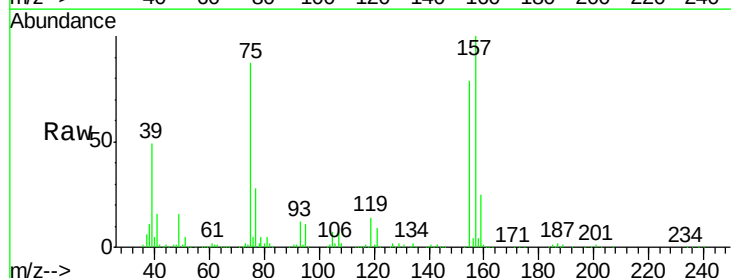
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 169.741 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	43.5	130.7
157	114.0	56.9	170.6

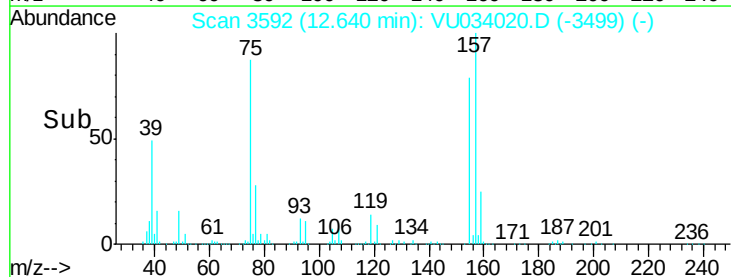
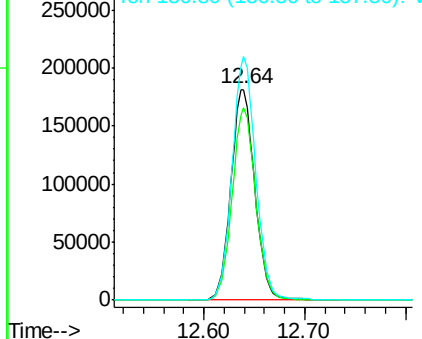


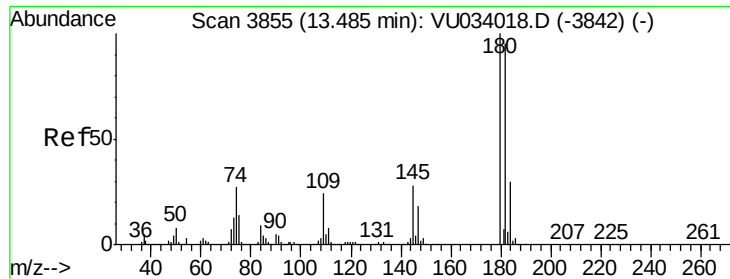
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





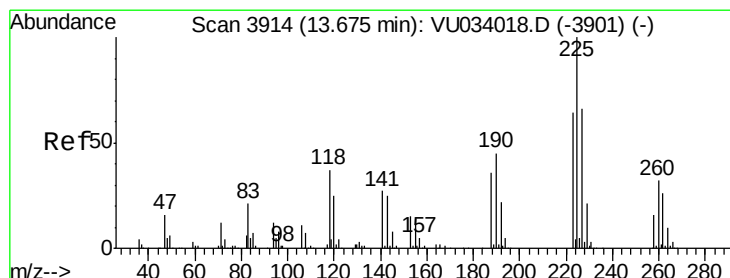
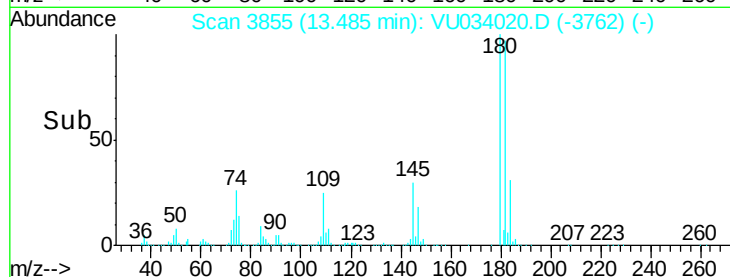
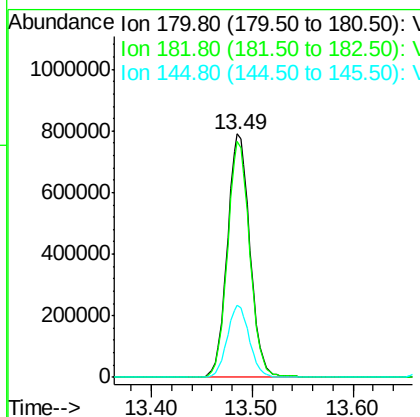
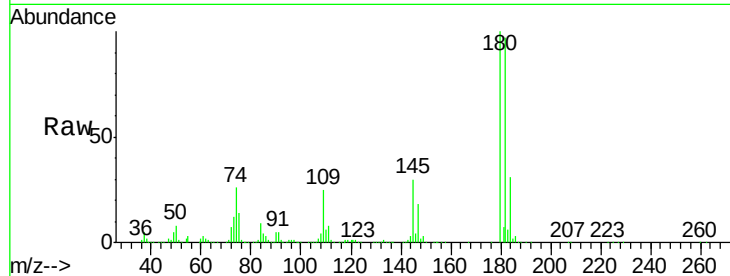
#93
 1,2,4-Trichlorobenzene
 Concen: 169.112 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	29.2	14.1	42.3

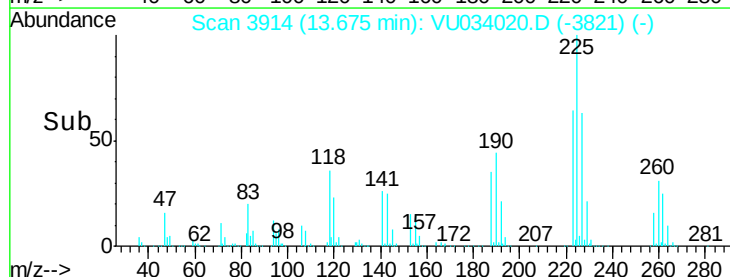
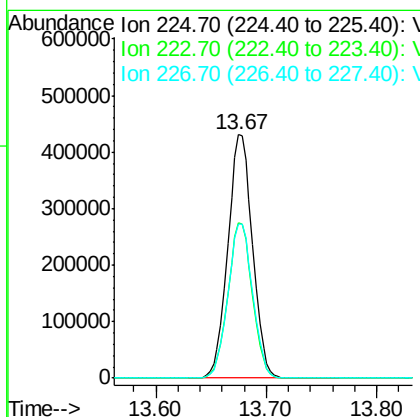
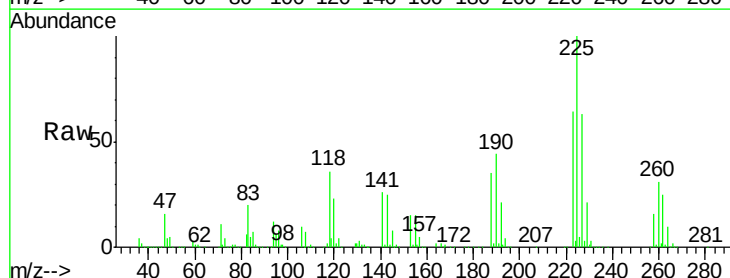
Manual Integrations
 APPROVED

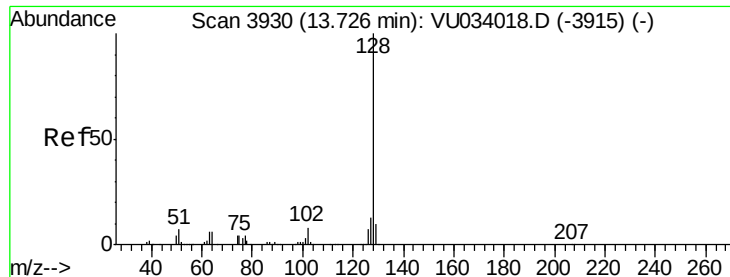
MMDadoda
 8/29/2019 8:47:18 AM



#94
 Hexachlorobutadiene
 Concen: 137.409 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034020.D
 Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	95.3
227	63.7	32.6	97.8





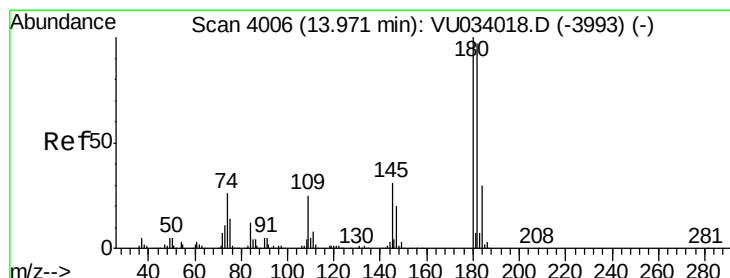
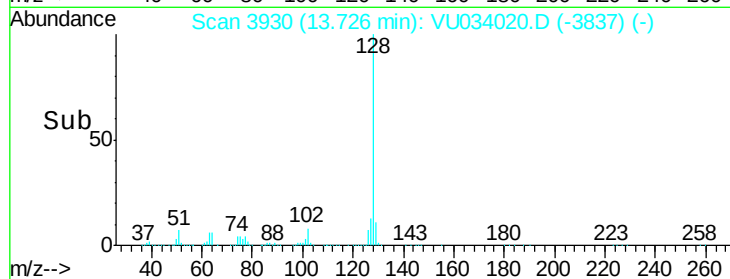
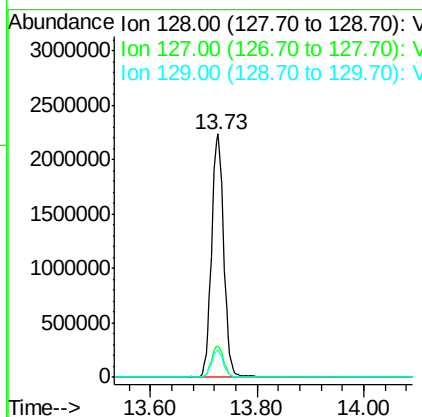
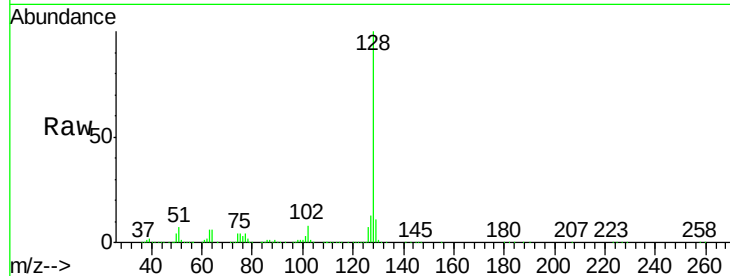
#95
Naphthalene
Concen: 184.683 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/29/2019 8:47:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 158.790 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034020.D
Acq: 28 Aug 2019 13:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.2	144.6
145	31.0	15.5	46.5

