

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034283.D
 Acq On : 05 Sep 2019 14:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:22:01 PM

Quant Time: Sep 06 07:57:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	320414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	480964	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	467964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	309577	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	239853	49.47	ug/l	0.00
Spiked Amount						
			Recovery	=	98.94%	
35) Dibromofluoromethane	4.86	113	206816	46.21	ug/l	0.00
Spiked Amount						
			Recovery	=	92.42%	
50) Toluene-d8	7.54	98	823913	49.00	ug/l	0.00
Spiked Amount						
			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	10.29	95	311117	47.92	ug/l	0.00
Spiked Amount						
			Recovery	=	95.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	154722	46.171	ug/l	98
3) Chloromethane	1.32	50	182229	50.334	ug/l	98
4) Vinyl Chloride	1.40	62	195736	46.874	ug/l	100
5) Bromomethane	1.61	94	111643	52.927	ug/l	100
6) Chloroethane	1.68	64	122689	50.561	ug/l	99
7) Trichlorofluoromethane	1.87	101	261536	46.711	ug/l	98
8) Diethyl Ether	2.09	74	119570	48.549	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	174420	47.034	ug/l	100
10) Methyl Iodide	2.40	142	147744	44.043	ug/l	100
11) Tert butyl alcohol	2.81	59	274383	267.900	ug/l	100
12) 1,1-Dichloroethene	2.27	96	167505	48.049	ug/l	97
13) Acrolein	2.18	56	176355	204.867	ug/l	100
14) Allyl chloride	2.58	41	324700m	48.719	ug/l	
15) Acrylonitrile	2.92	53	662415	259.721	ug/l	99
16) Acetone	2.31	43	560560	223.438	ug/l	99
17) Carbon Disulfide	2.46	76	352756	45.023	ug/l	99
18) Methyl Acetate	2.60	43	290523	47.591	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	654548	51.512	ug/l	99
20) Methylene Chloride	2.68	84	211376	51.451	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	177355	48.277	ug/l	98
22) Diisopropyl ether	3.55	45	671315	51.650	ug/l	99
23) Vinyl Acetate	3.50	43	2823398	266.683	ug/l	99
24) 1,1-Dichloroethane	3.42	63	372499	47.991	ug/l	99
25) 2-Butanone	4.24	43	876805	261.818	ug/l	100
26) 2,2-Dichloropropane	4.20	77	298465	47.810	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	222494	49.866	ug/l	99
28) Bromochloromethane	4.52	49	164895	46.187	ug/l	99
29) Tetrahydrofuran	4.61	42	545696	267.783	ug/l	100
30) Chloroform	4.65	83	369602	46.846	ug/l	98
31) Cyclohexane	4.97	56	274611	48.360	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	306691	48.619	ug/l	99
36) 1,1-Dichloropropene	5.12	75	244795	46.931	ug/l	100
37) Ethyl Acetate	4.36	43	308806	50.073	ug/l	99
38) Carbon Tetrachloride	5.11	117	259129	46.527	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	273487	49.047	ug/l	99
40) Benzene	5.37	78	803356	47.730	ug/l	99
41) Methacrylonitrile	4.52	41	170816	51.999	ug/l	99
42) 1,2-Dichloroethane	5.38	62	274433	46.963	ug/l	100
43) Isopropyl Acetate	5.53	43	485815	50.497	ug/l	99
44) Trichloroethene	6.16	130	215516	46.273	ug/l	96
45) 1,2-Dichloropropane	6.41	63	233410	47.437	ug/l	99
46) Dibromomethane	6.54	93	146156	47.321	ug/l	100
47) Bromodichloromethane	6.74	83	301105	47.362	ug/l	100
48) Methyl methacrylate	6.60	41	229293	50.180	ug/l	99
49) 1,4-Dioxane	6.59	88	110451	1106.950	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	1663310	249.769	ug/l	99
52) Toluene	7.62	92	509205	48.228	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	327543	49.700	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	361290	49.949	ug/l	100
55) 1,1,2-Trichloroethane	8.04	97	229414	47.852	ug/l	99
56) Ethyl methacrylate	8.00	69	346490	47.719	ug/l	99
57) 1,3-Dichloropropane	8.22	76	375650	48.119	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	656793	265.428	ug/l	100
59) 2-Hexanone	8.34	43	1286272	258.552	ug/l	100
60) Dibromochloromethane	8.46	129	247108	48.054	ug/l	98
61) 1,2-Dibromoethane	8.57	107	226638	48.298	ug/l	99
64) Tetrachloroethene	8.21	164	189029	46.561	ug/l	97
65) Chlorobenzene	9.10	112	587445	49.480	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	217898	48.091	ug/l	99
67) Ethyl Benzene	9.23	91	998460	51.435	ug/l	99
68) m/p-Xylenes	9.35	106	767620	105.012	ug/l	100
69) o-Xylene	9.76	106	374560	52.395	ug/l	100
70) Styrene	9.77	104	674392	53.807	ug/l	99
71) Bromoform	9.94	173	195876	49.882	ug/l #	100
73) Isopropylbenzene	10.15	105	1026939	50.973	ug/l	100
74) N-amyl acetate	9.99	43	450456	55.546	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	390014	47.826	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	324804m	48.066	ug/l	
77) Bromobenzene	10.43	156	279896	49.687	ug/l	100
78) n-propylbenzene	10.57	91	1200821	51.610	ug/l	100
79) 2-Chlorotoluene	10.64	91	707297	49.821	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	899386	53.378	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	109460m	54.474	ug/l	
82) 4-Chlorotoluene	10.75	91	831529	50.897	ug/l	100
83) tert-Butylbenzene	11.08	119	876908	52.024	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	901995	53.181	ug/l	99
85) sec-Butylbenzene	11.30	105	1049531	52.742	ug/l	99
86) p-Isopropyltoluene	11.45	119	972067	52.925	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	508810	49.498	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	506652	47.255	ug/l	100
89) n-Butylbenzene	11.87	91	878206	55.021	ug/l	99
90) Hexachloroethane	12.12	117	149899	51.012	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	501758	49.667	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	81049	54.086	ug/l	98

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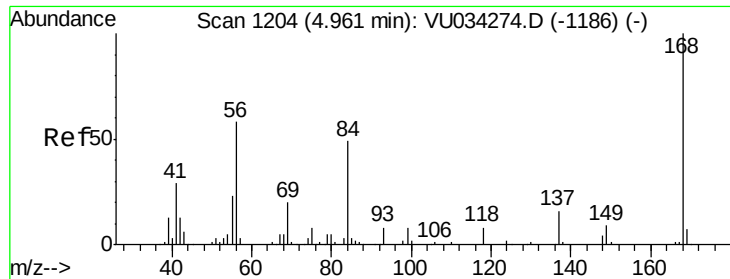
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	367946	50.204	ug/l	100
94) Hexachlorobutadiene	13.67	225	171436	48.513	ug/l	99
95) Naphthalene	13.72	128	1057888	51.171	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	364197	51.386	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 320414

Ion Ratio Lower Upper

168 100

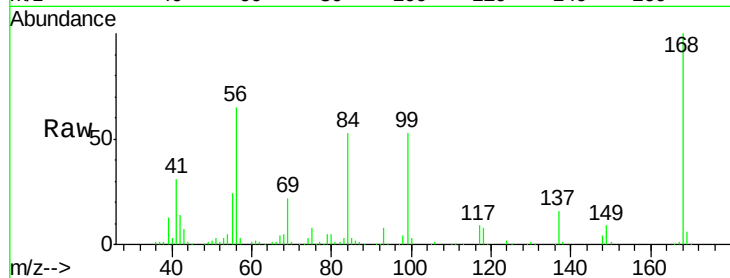
99 52.7 41.6 62.4

Manual Integrations

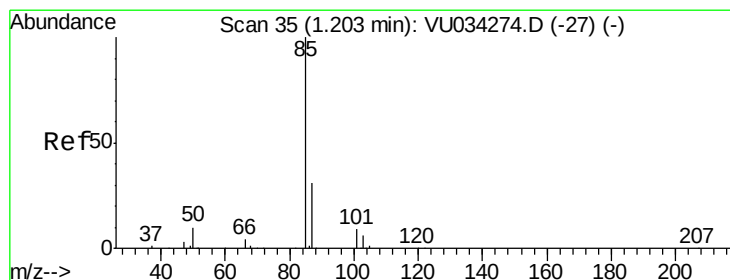
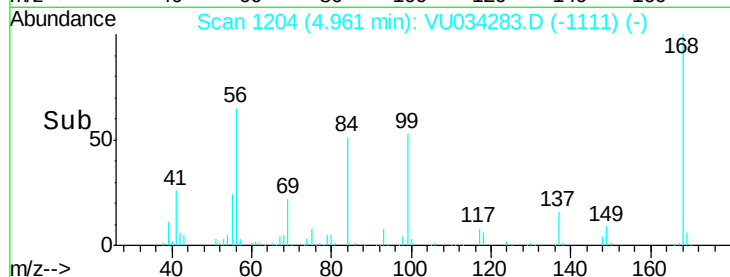
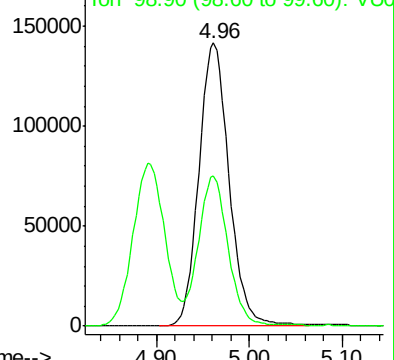
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Abundance Ion 167.90 (167.60 to 168.60): VU034283.D (-1186) (-)



#2

Dichlorodifluoromethane

Concen: 46.171 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034283.D

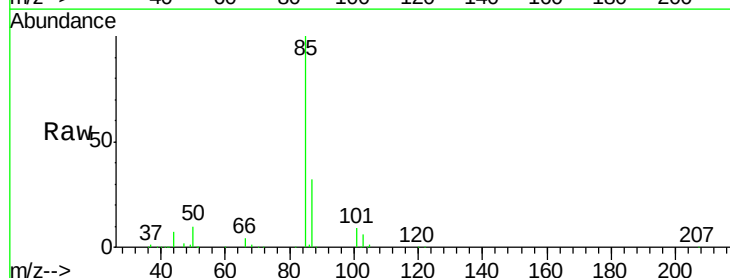
Acq: 05 Sep 2019 14:59

Tgt Ion: 85 Resp: 154722

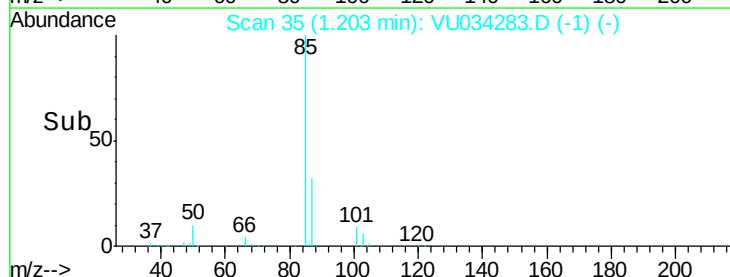
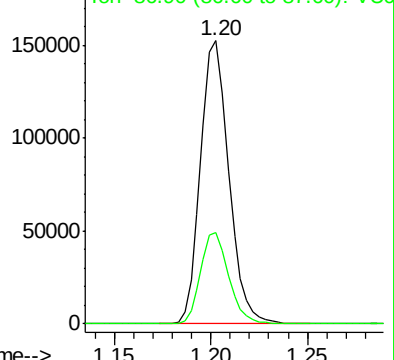
Ion Ratio Lower Upper

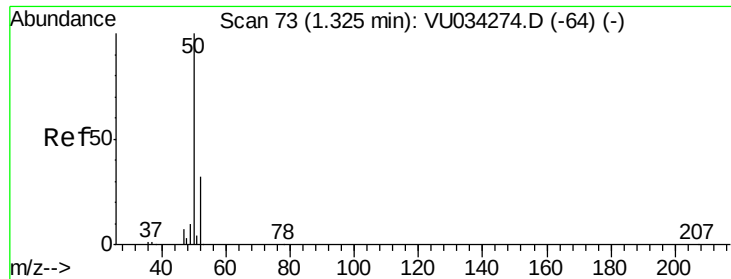
85 100

87 32.5 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034283.D (-1) (-)





#3

Chloromethane

Concen: 50.334 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 182229

Ion Ratio Lower Upper

50 100

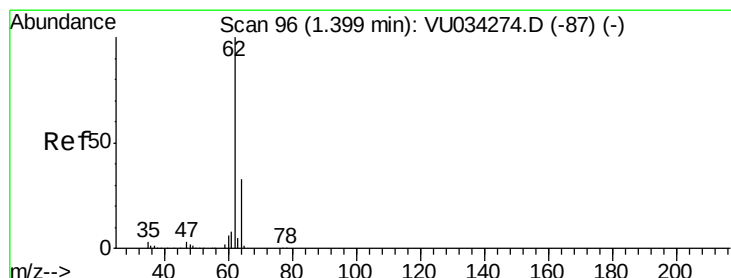
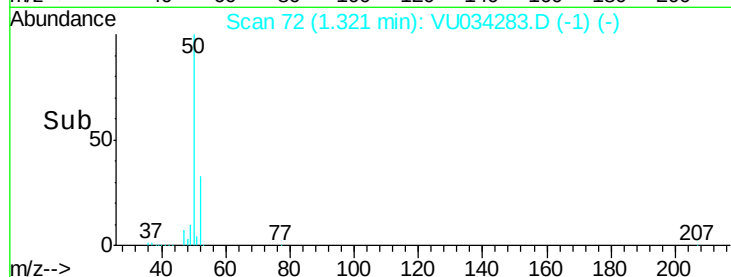
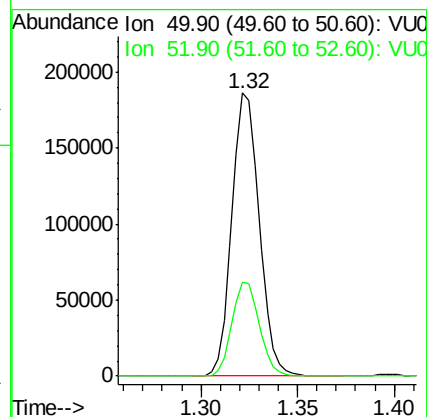
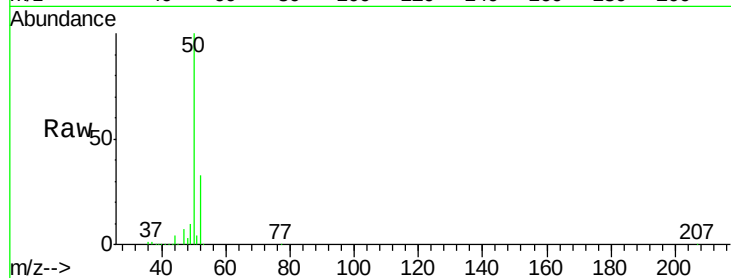
52 33.3 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.874 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034283.D

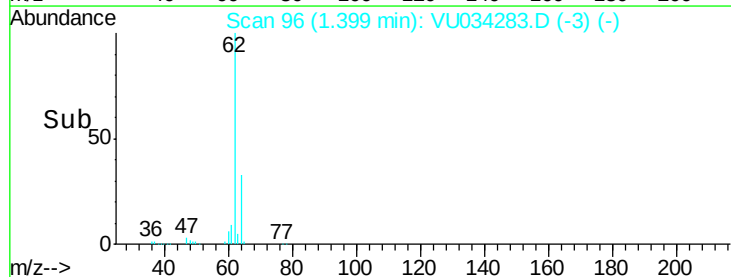
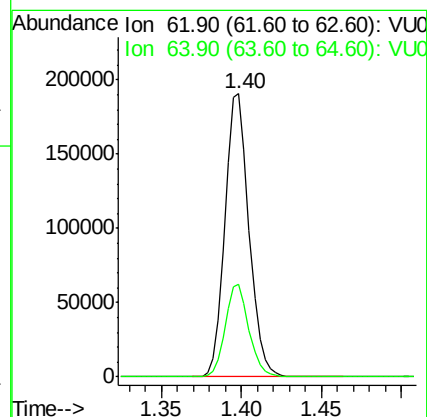
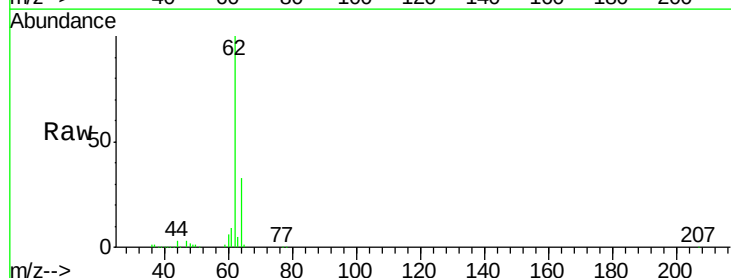
Acq: 05 Sep 2019 14:59

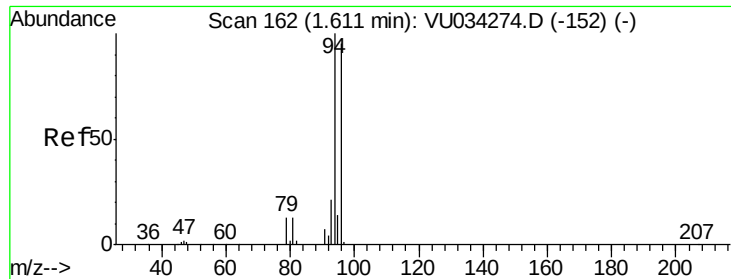
Tgt Ion: 62 Resp: 195736

Ion Ratio Lower Upper

62 100

64 32.6 26.2 39.4





#5

Bromomethane

Concen: 52.927 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 111643

Ion Ratio Lower Upper

94 100

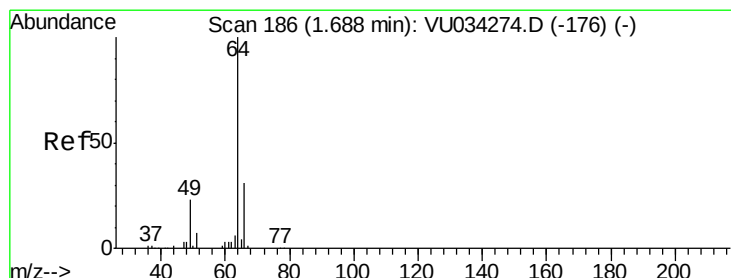
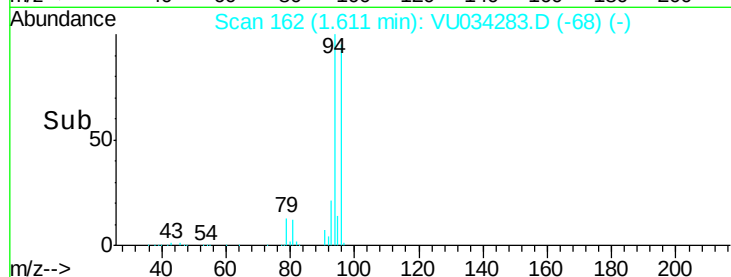
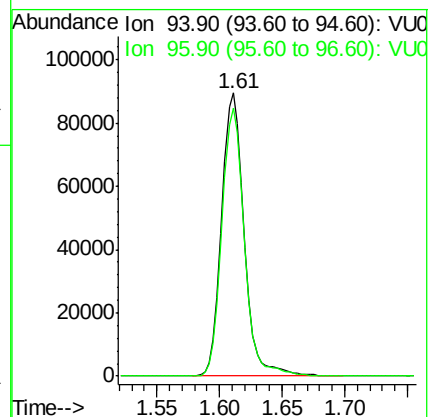
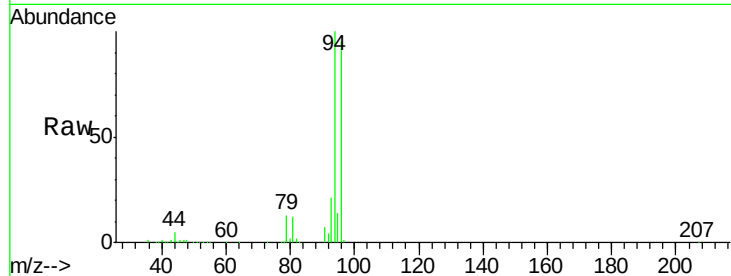
96 94.8 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 50.561 ug/l

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034283.D

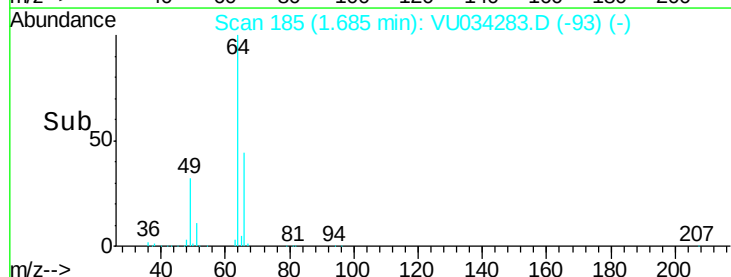
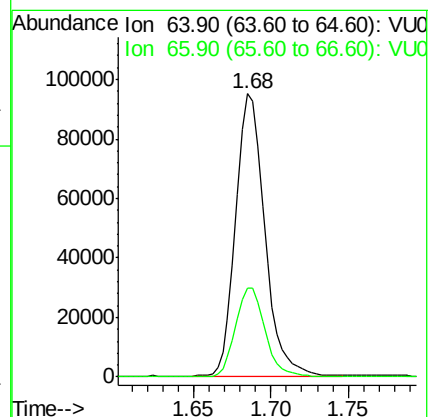
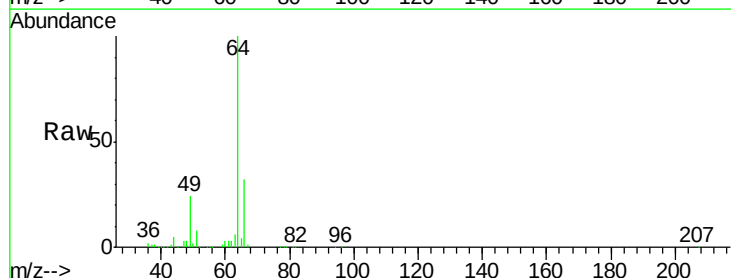
Acq: 05 Sep 2019 14:59

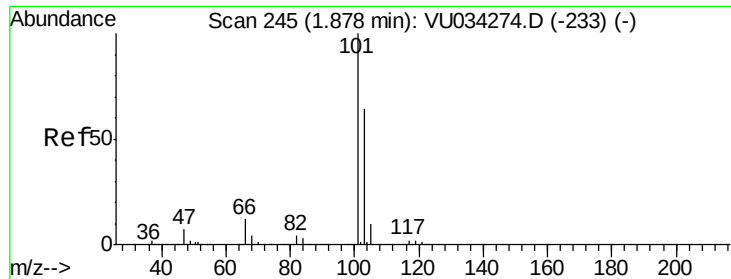
Tgt Ion: 64 Resp: 122689

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.6





#7

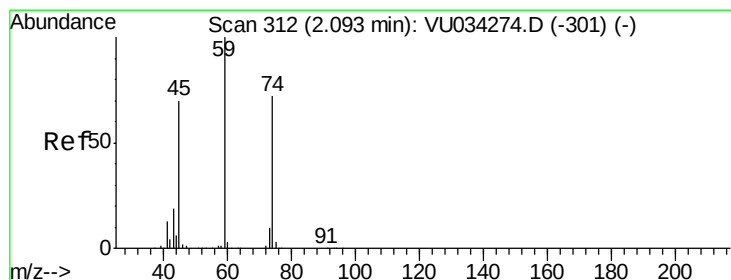
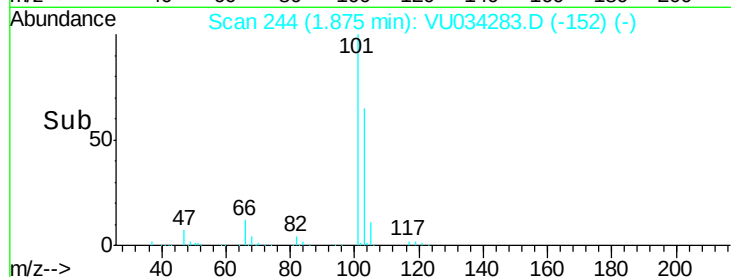
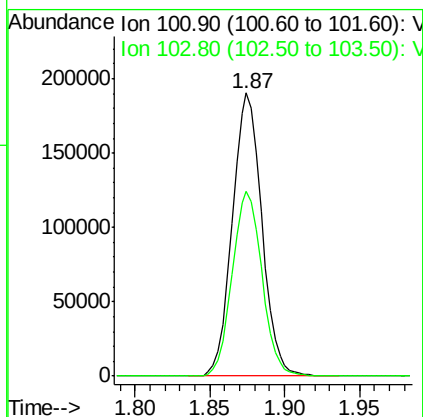
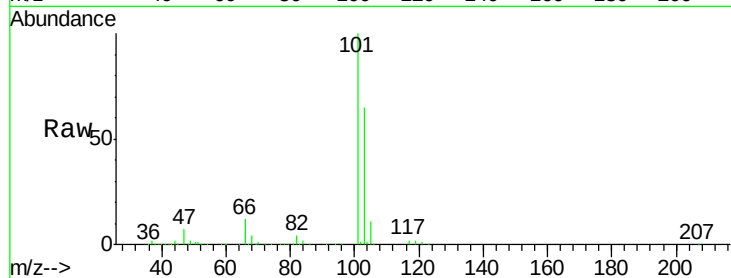
Trichlorofluoromethane
 Concen: 46.711 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.0	76.6

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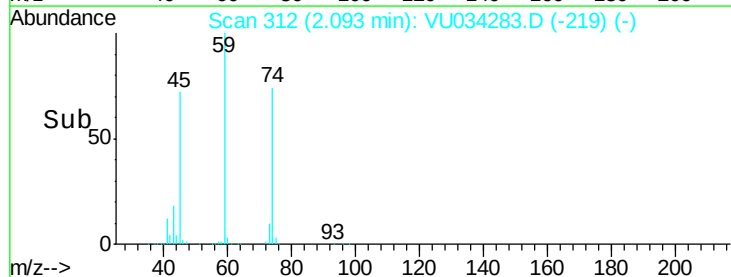
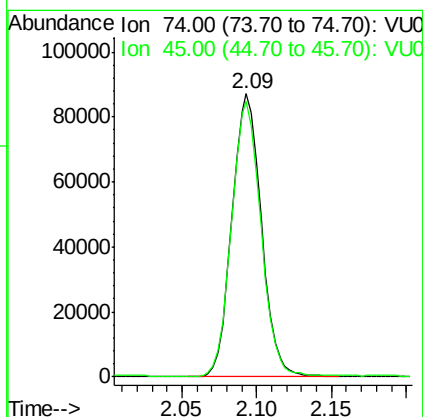
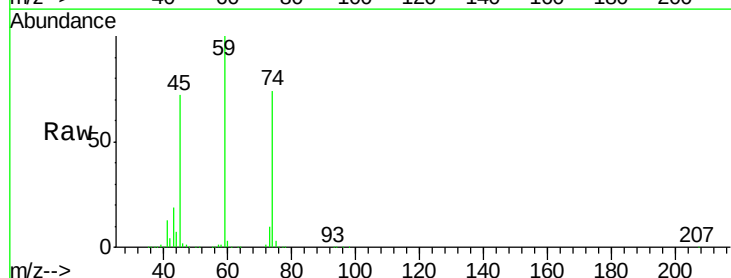
MMDadoda
 9/6/2019 3:22:01 PM

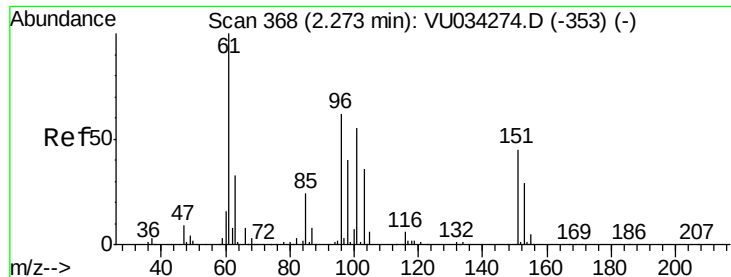


#8

Diethyl Ether
 Concen: 48.549 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.2	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.034 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

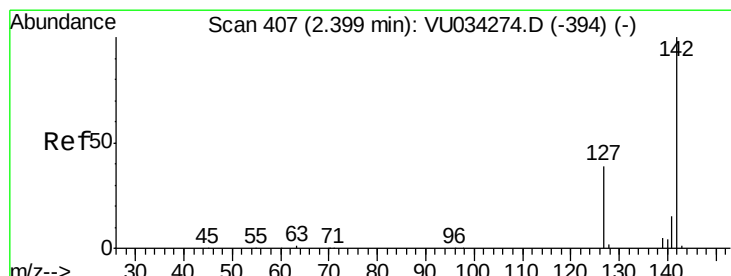
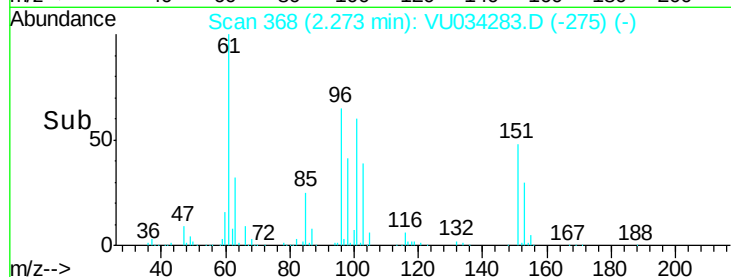
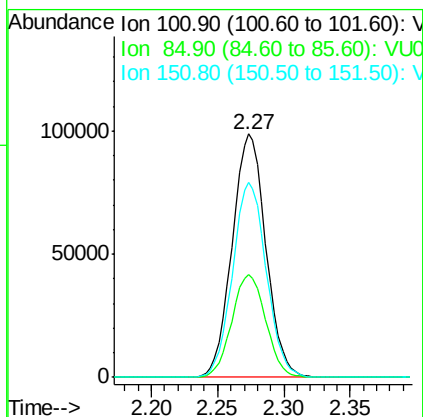
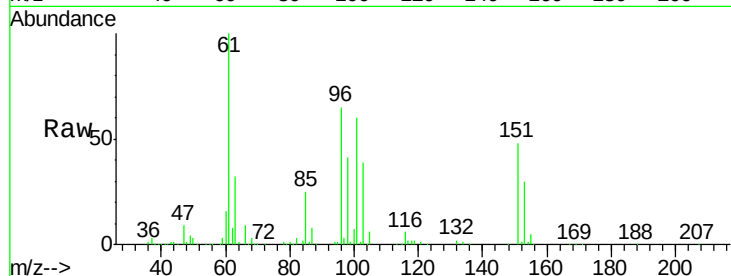
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	174420
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.4	51.6
151	80.3	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 44.043 ug/l

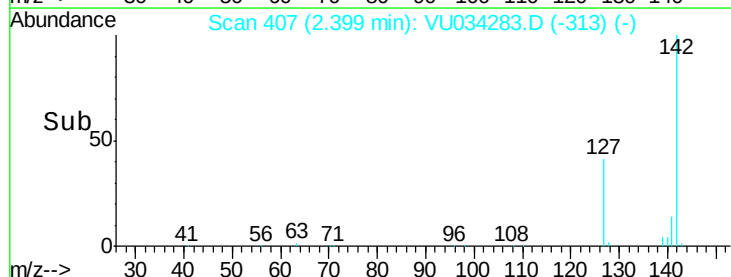
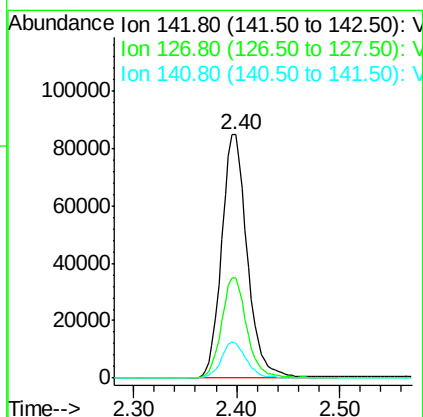
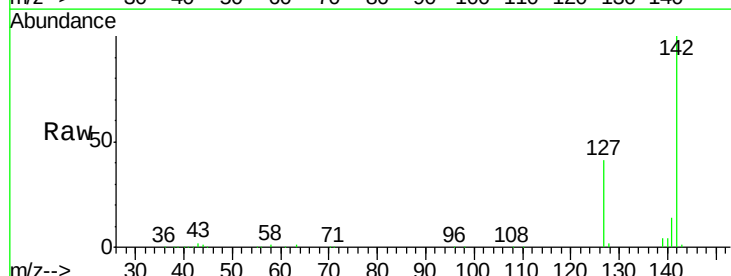
RT: 2.40 min Scan# 407

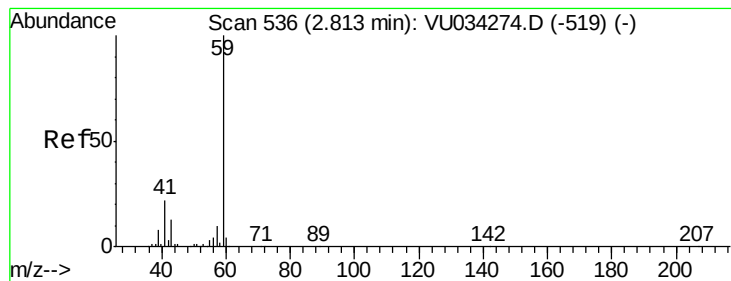
Delta R.T. 0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Tgt Ion:	142	Resp:	147744
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.1	48.1
141	14.4	11.5	17.3





#11

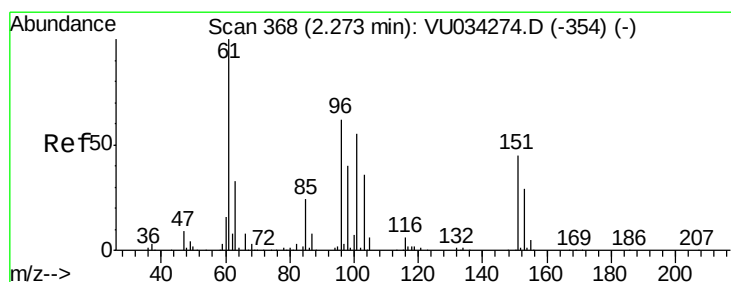
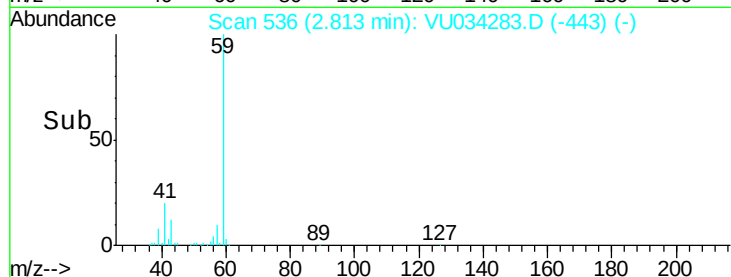
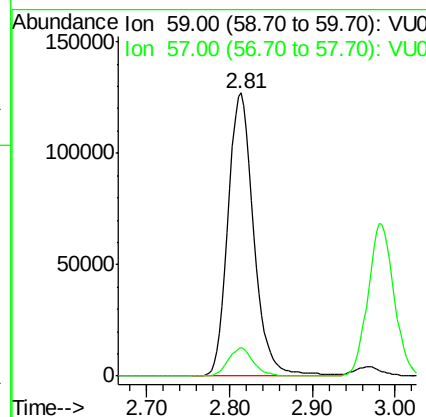
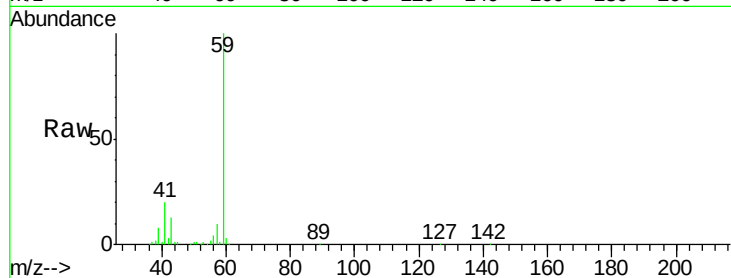
Tert butyl alcohol
 Concen: 267.900 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	274383		
57	9.8		7.9	11.9

Manual Integrations
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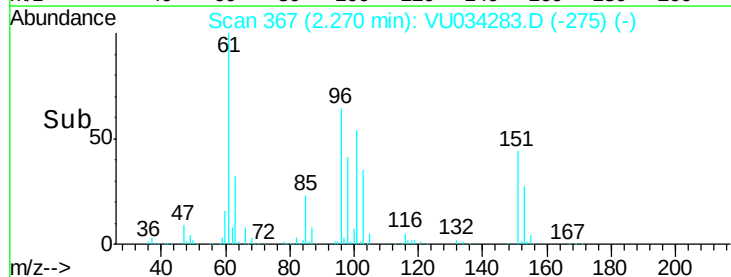
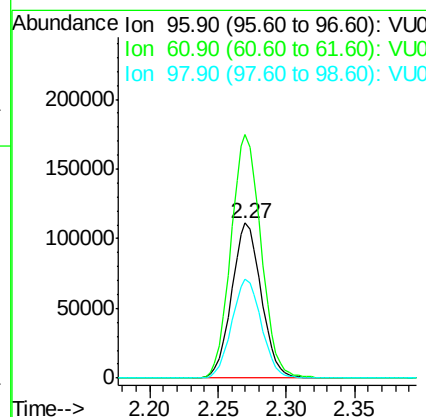
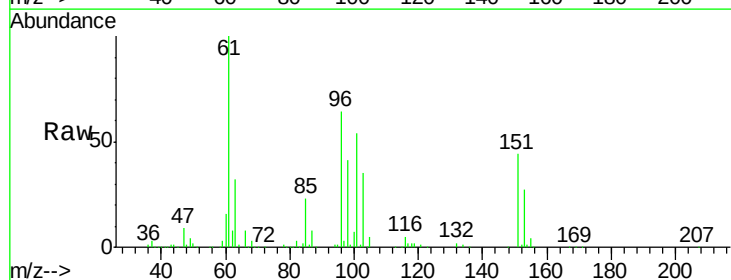
MMDadoda
 9/6/2019 3:22:01 PM

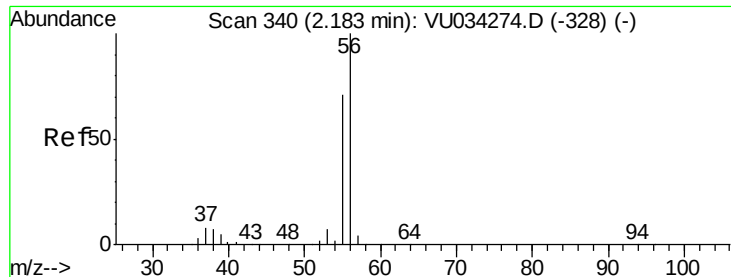


#12

1,1-Dichloroethene
 Concen: 48.049 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	167505		
61	157.3		130.0	195.0
98	63.9		52.2	78.4





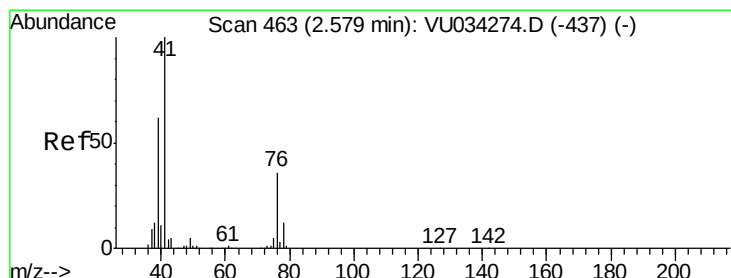
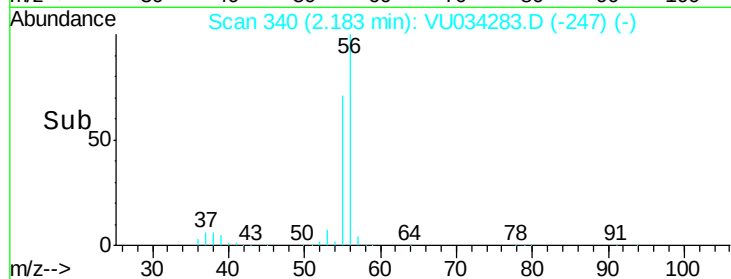
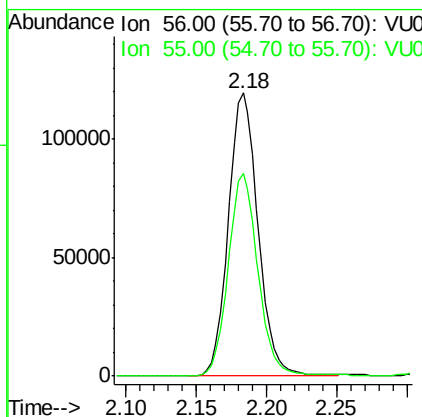
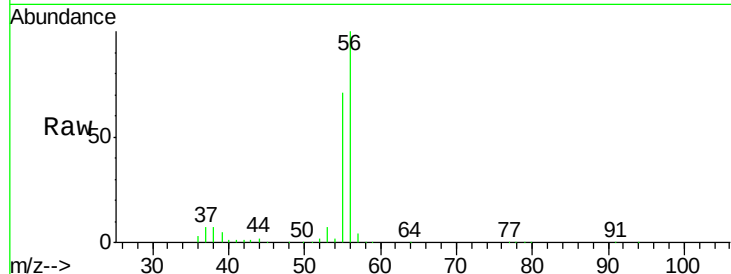
#13
Acrolein
Concen: 204.867 ug/l
RT: 2.18 min Scan# 340
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	176355
Ion Ratio	100	Lower	Upper
55	71.8	57.4	86.2

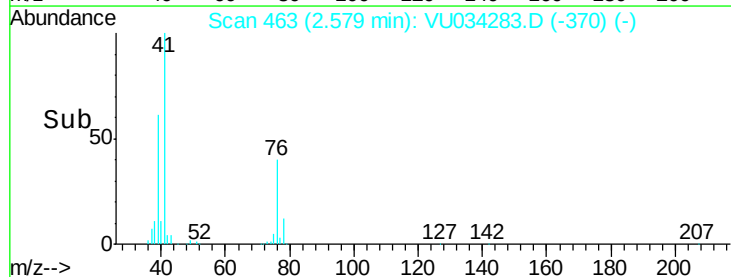
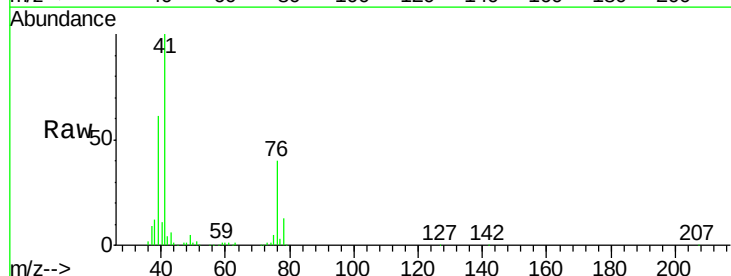
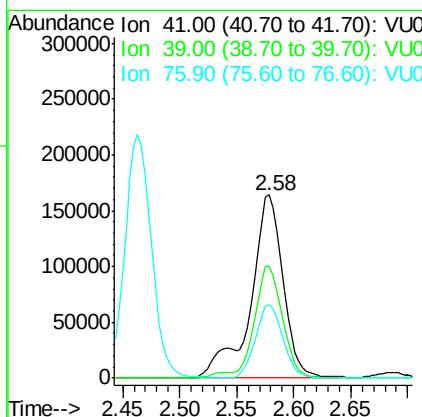
Manual Integrations
APPROVED

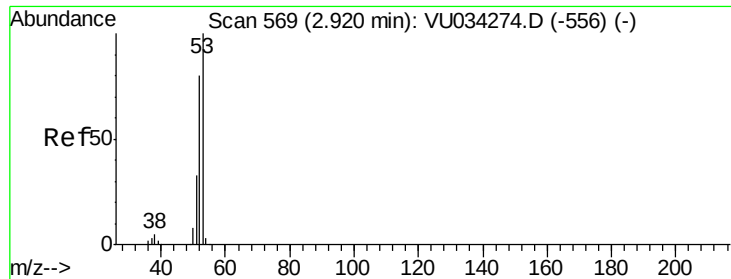
MMDadoda
9/6/2019 3:22:01 PM



#14
Allyl chloride
Concen: 48.719 ug/l m
RT: 2.58 min Scan# 463
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	41	Resp	324700
Ion Ratio	100	Lower	Upper
39	53.7	43.5	65.3
76	33.6	27.0	40.6





#15

Acrylonitrile

Concen: 259.721 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

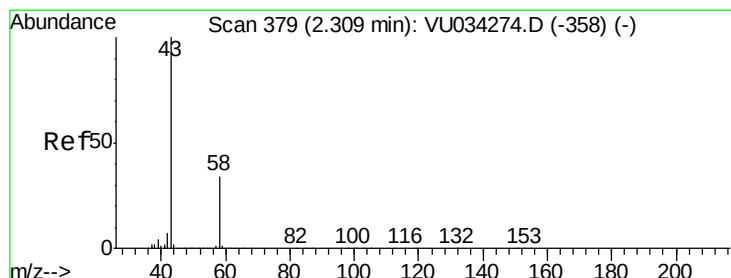
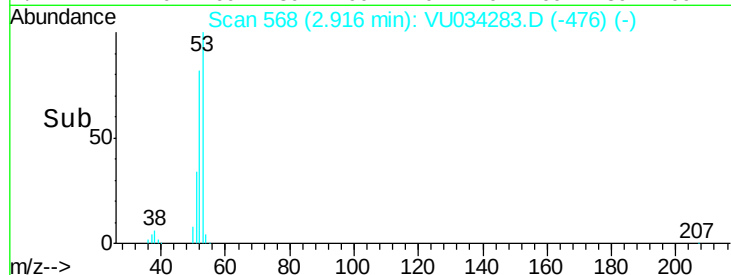
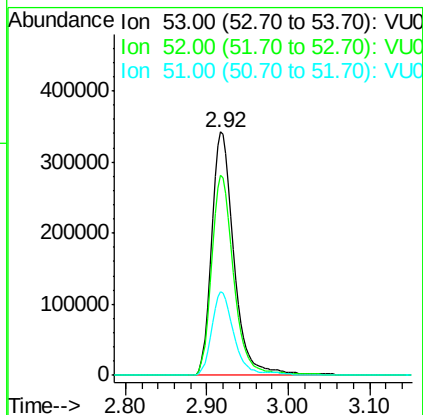
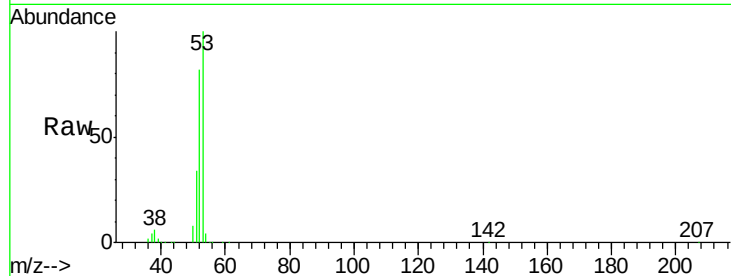
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	662415
Ion	Ratio	Lower	Upper
53	100		
52	81.1	64.1	96.1
51	34.9	27.4	41.0

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 223.438 ug/l

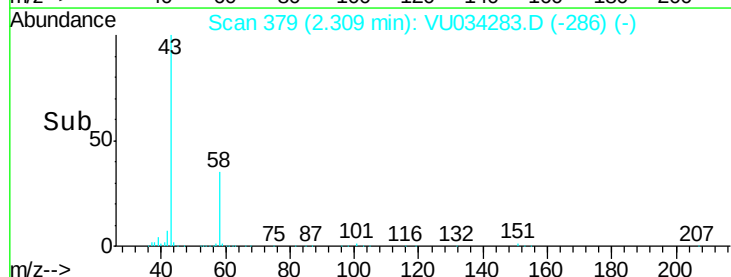
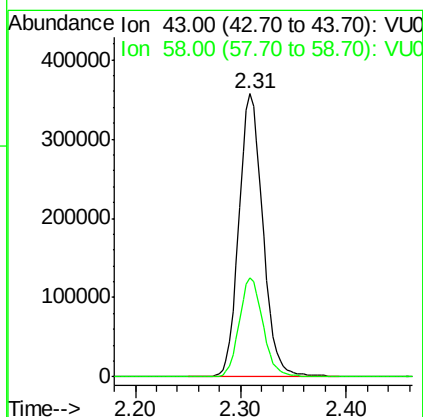
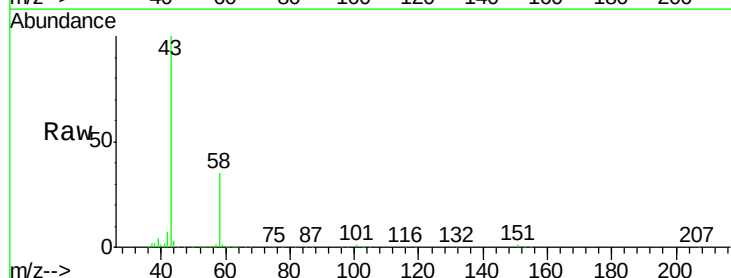
RT: 2.31 min Scan# 379

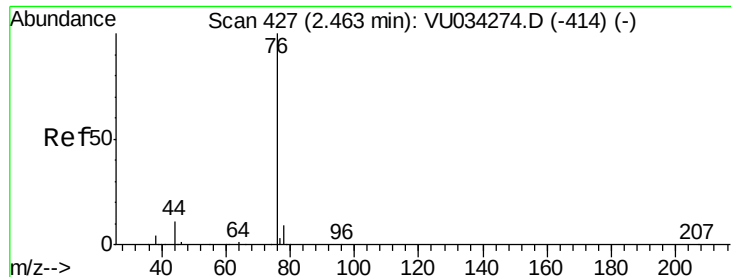
Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Tgt Ion:	43	Resp:	560560
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.6	41.4





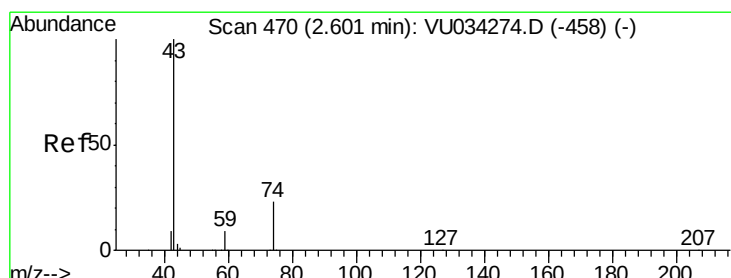
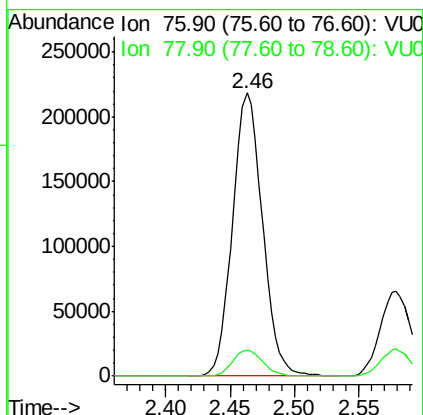
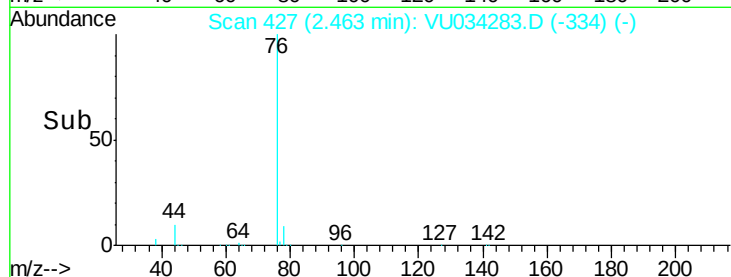
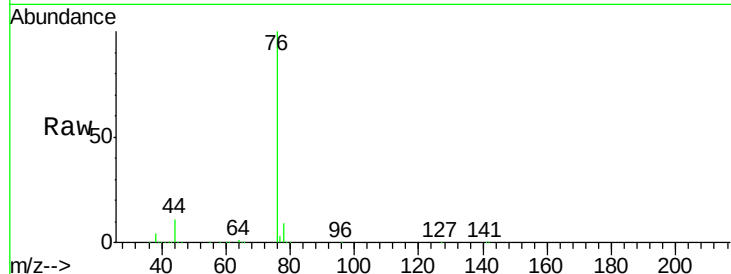
#17
Carbon Disulfide
Concen: 45.023 ug/l
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

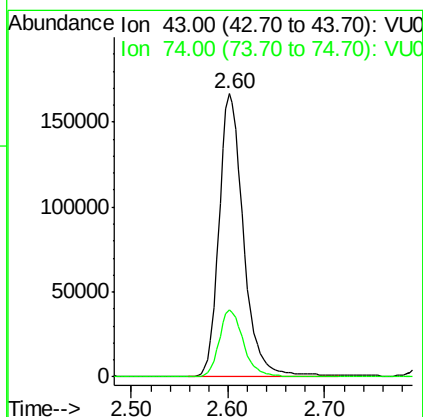
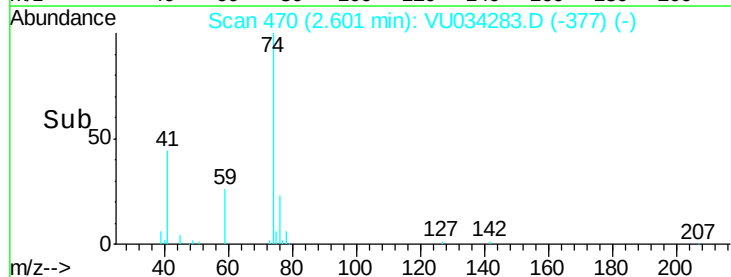
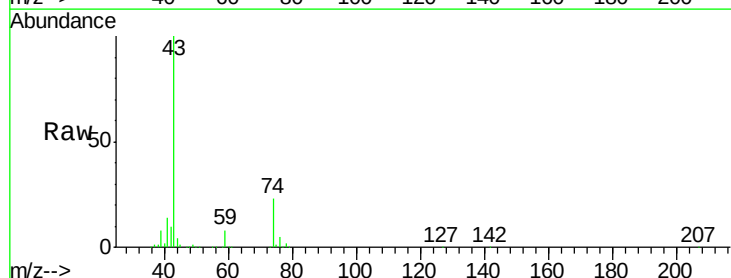
Manual Integrations
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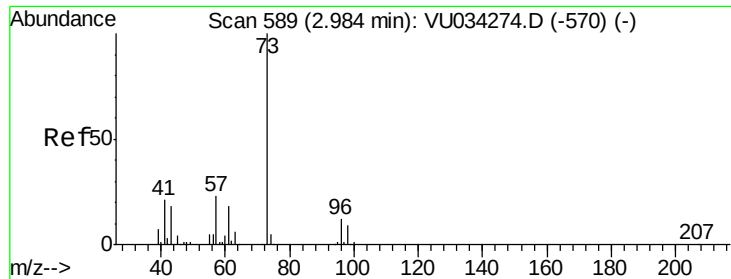
MMDadoda
9/6/2019 3:22:01 PM



#18
Methyl Acetate
Concen: 47.591 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.9	28.3





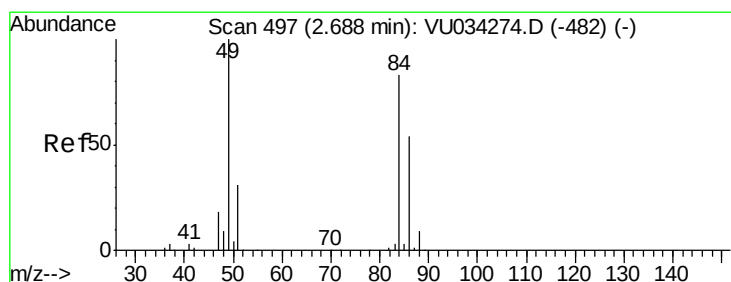
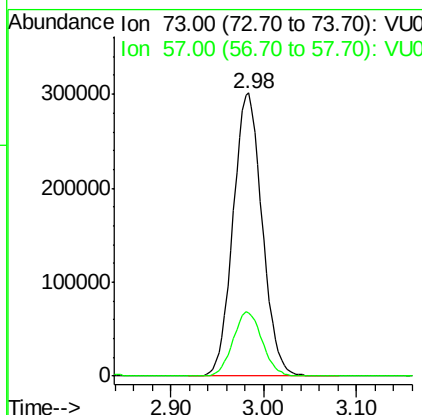
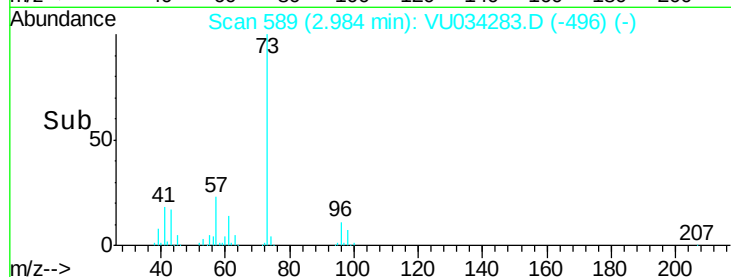
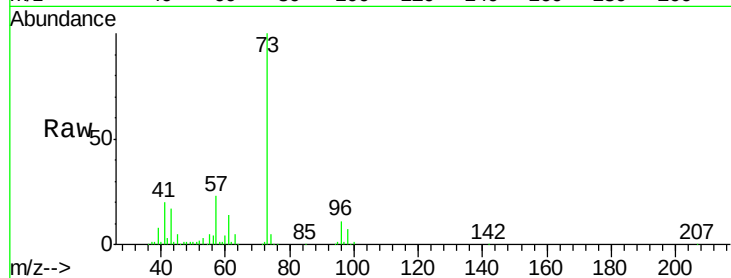
#19
Methyl tert-butyl Ether
Concen: 51.512 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.2	27.4

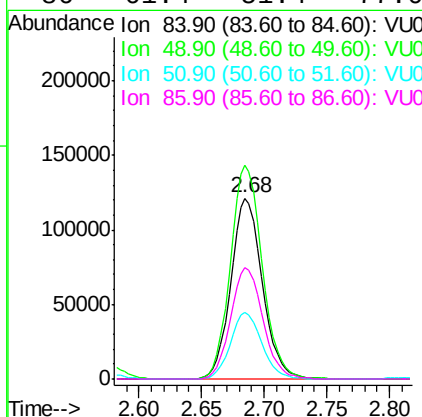
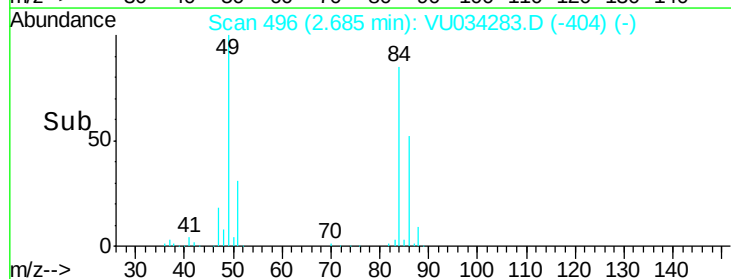
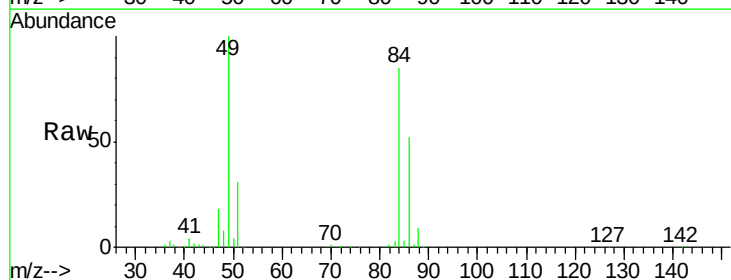
Manual Integrations
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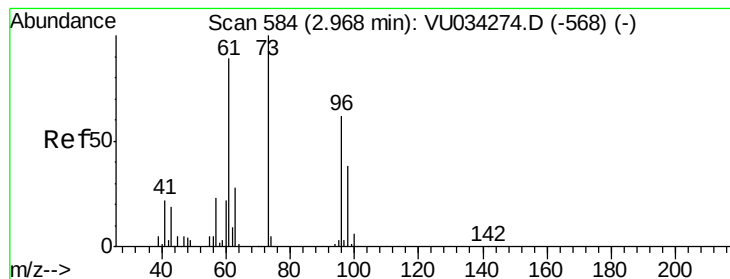
MMDadoda
9/6/2019 3:22:01 PM



#20
Methylene Chloride
Concen: 51.451 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.1	96.0	144.0
51	37.0	30.0	45.0
86	61.4	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 48.277 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 177355

Ion Ratio Lower Upper

96 100

61 141.2 114.8 172.2

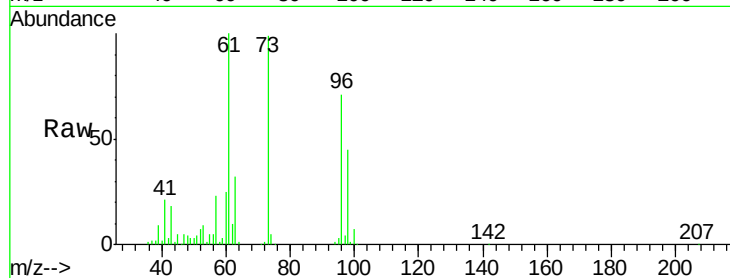
98 64.0 49.8 74.8

Manual Integrations

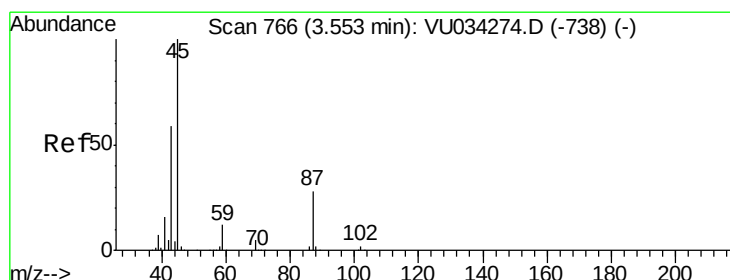
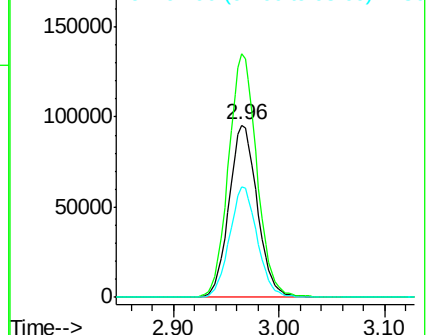
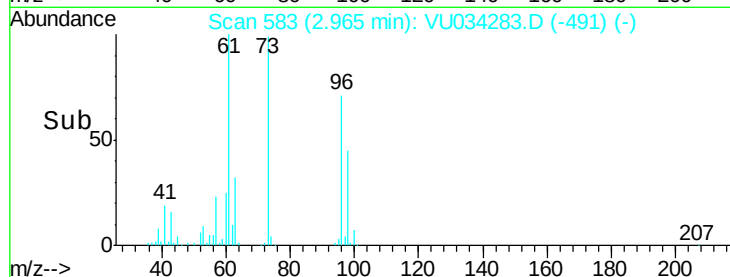
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Abundance Ion 95.90 (95.60 to 96.60): VU034283.D (-491) (-)



#22

Diisopropyl ether

Concen: 51.650 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Tgt Ion: 45 Resp: 671315

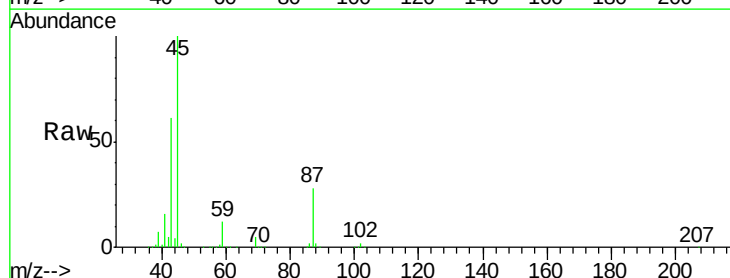
Ion Ratio Lower Upper

45 100

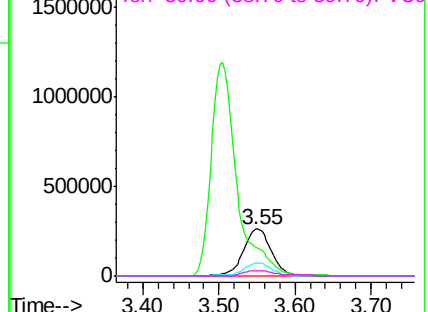
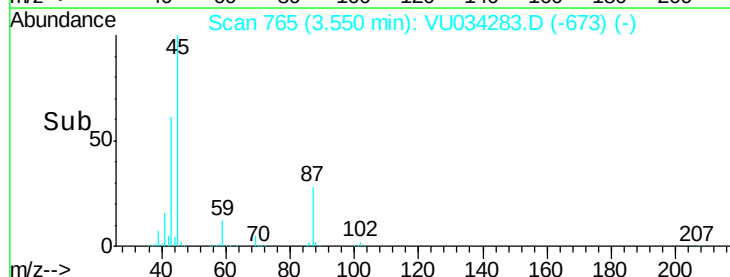
43 60.6 47.5 71.3

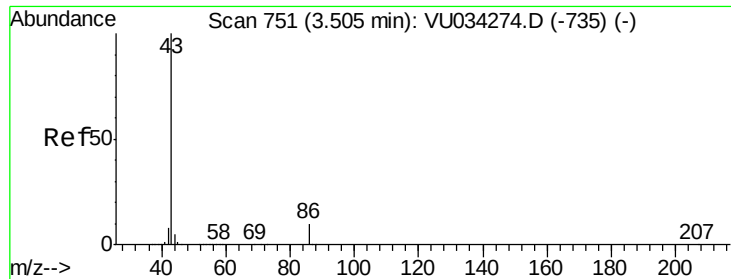
87 28.2 22.2 33.4

59 12.1 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU034283.D (-673) (-)





#23

Vinyl Acetate

Concen: 266.683 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2823398

Ion Ratio Lower Upper

43 100

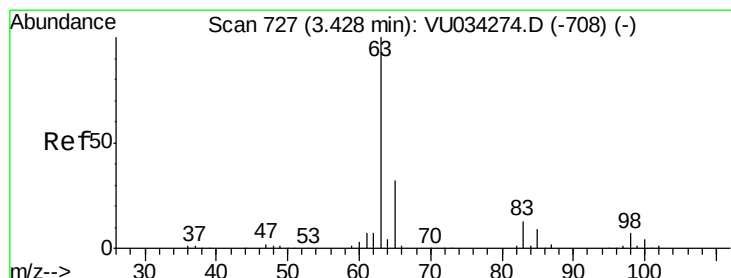
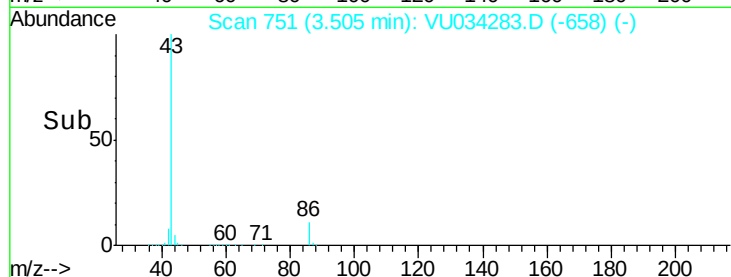
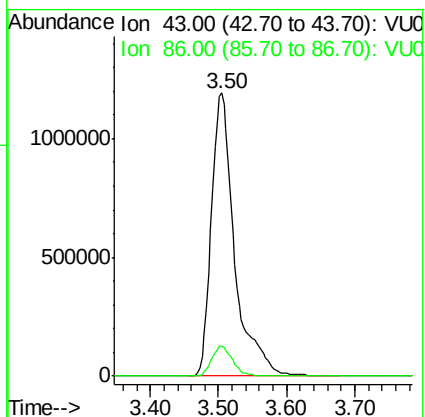
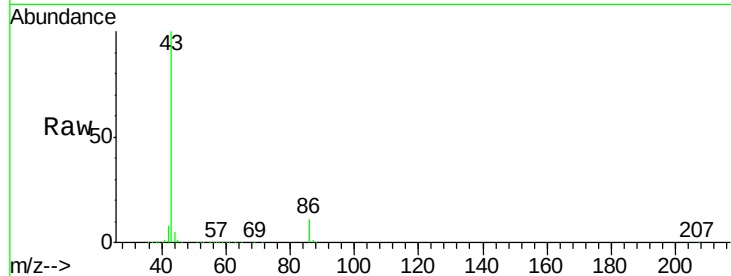
86 10.7 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.991 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

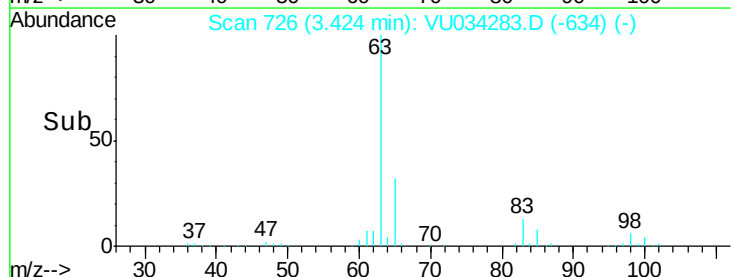
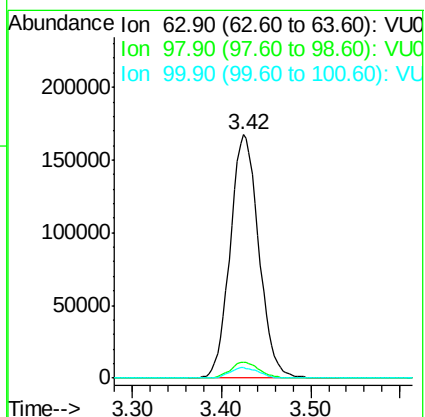
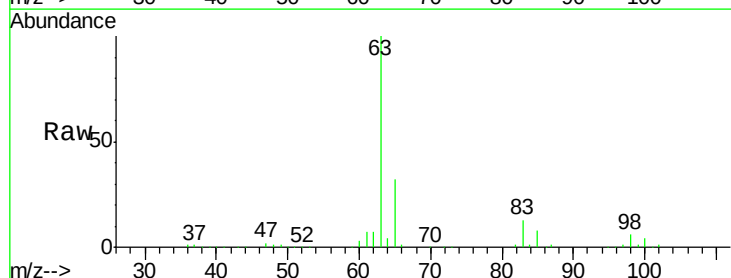
Tgt Ion: 63 Resp: 372499

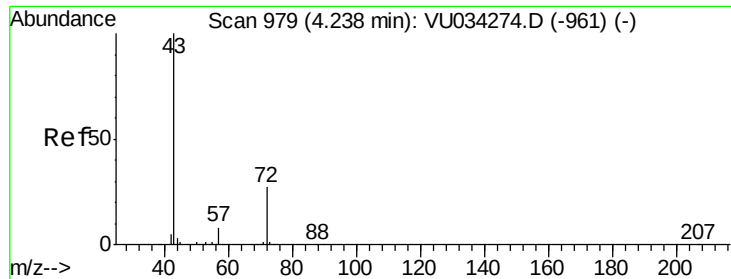
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 261.818 ug/l

RT: 4.24 min Scan# 979

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 876805

Ion Ratio Lower Upper

43 100

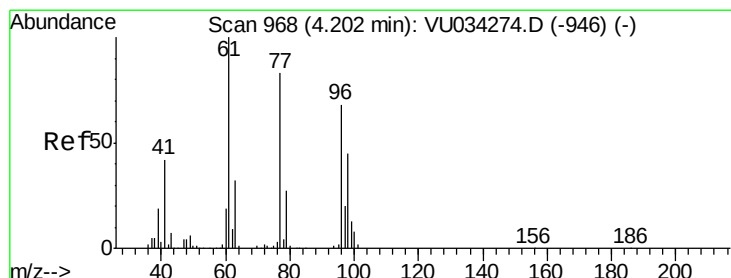
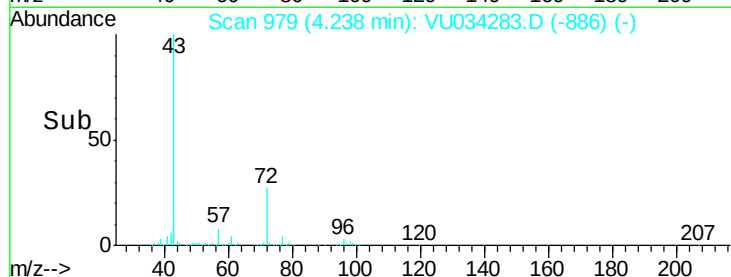
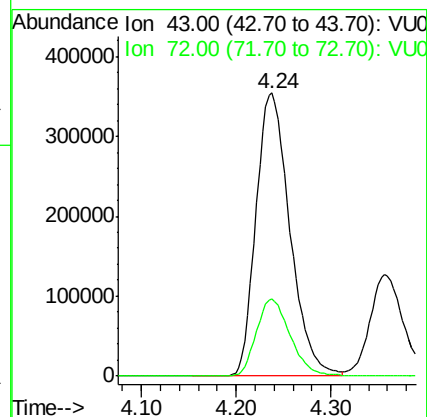
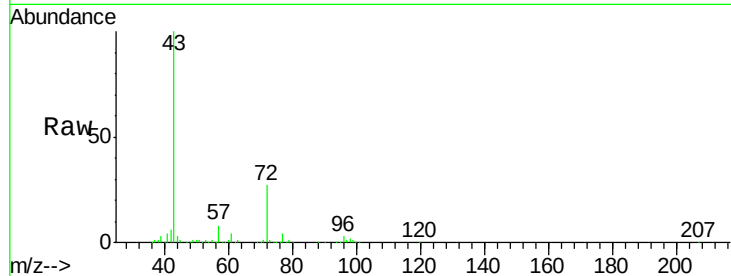
72 27.3 21.8 32.6

Manual Integrations

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MMDadoda

9/6/2019 3:22:01 PM



#26

2,2-Dichloropropane

Concen: 47.810 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034283.D

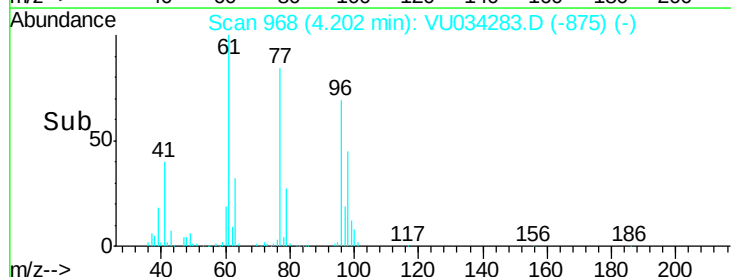
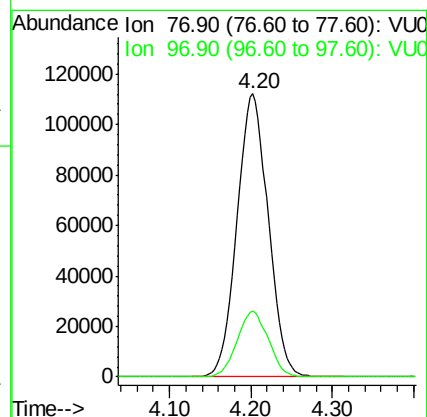
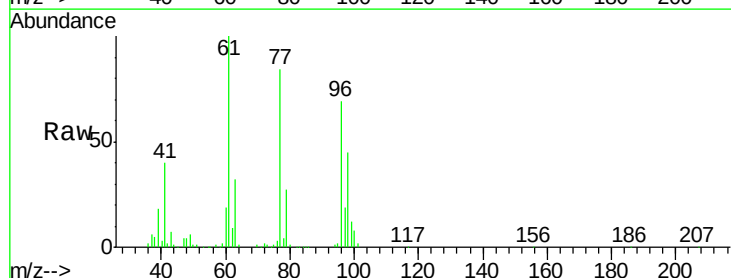
Acq: 05 Sep 2019 14:59

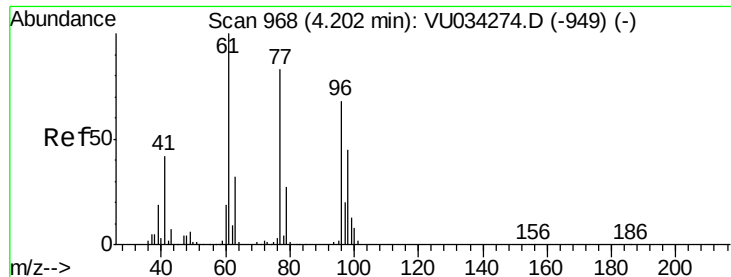
Tgt Ion: 77 Resp: 298465

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.3





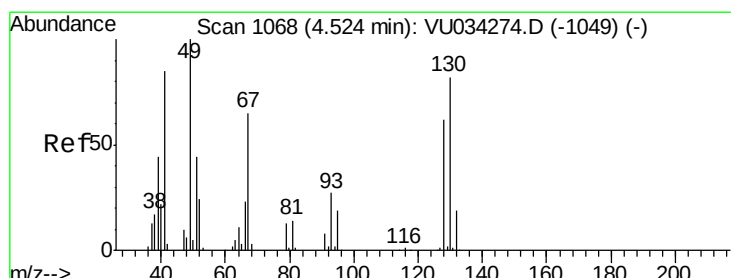
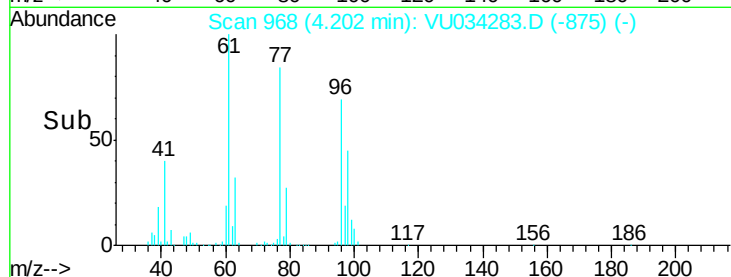
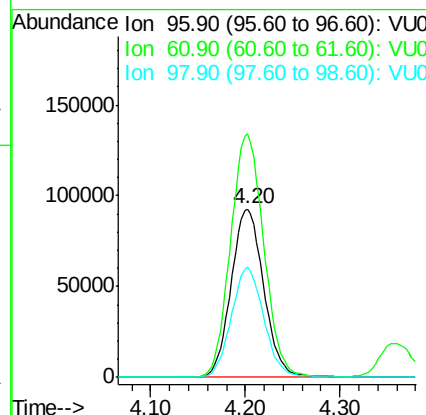
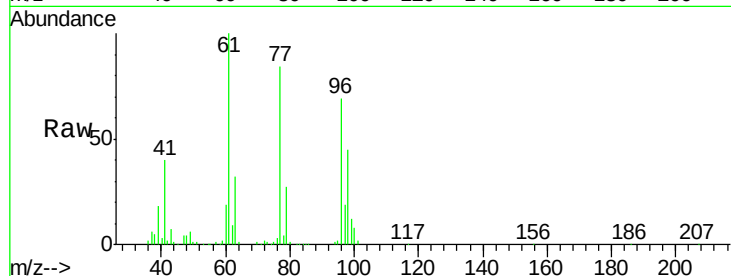
#27
 cis-1,2-Dichloroethene
 Concen: 49.866 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	222494		
61	147.4	0.0	297.4	
98	65.2	0.0	130.0	

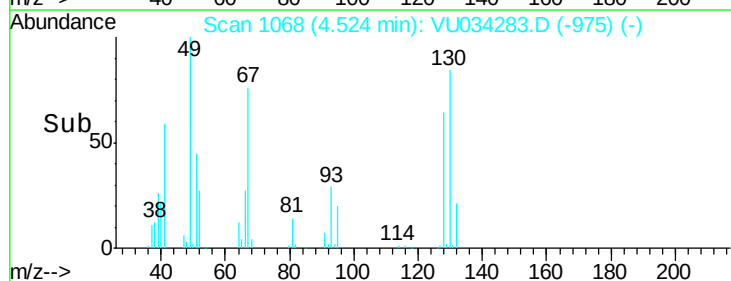
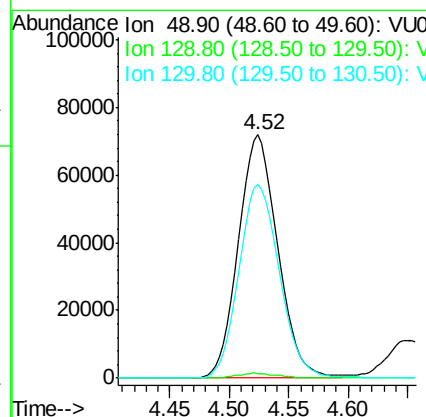
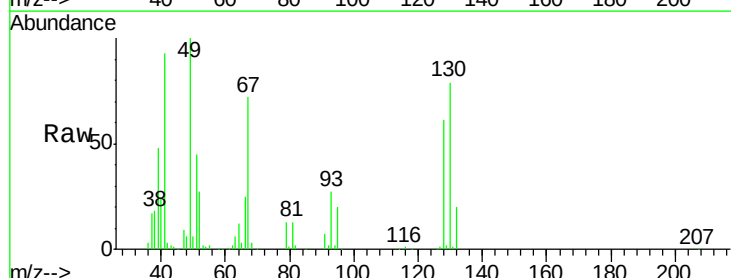
Manual Integrations
 APPROVED

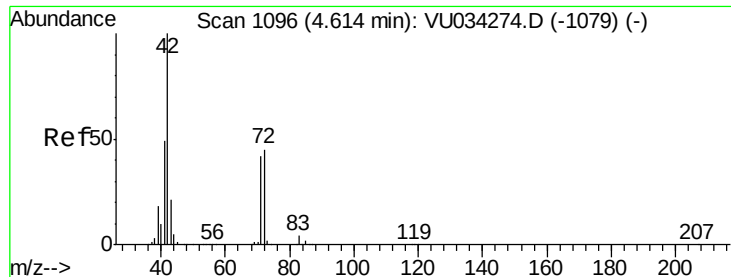
MMDadoda
 9/6/2019 3:22:01 PM



#28
 Bromochloromethane
 Concen: 46.187 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	164895		
129	2.0	0.0	3.8	
130	82.2	65.2	97.8	





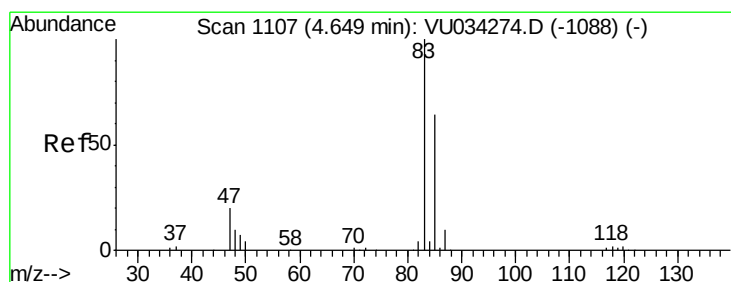
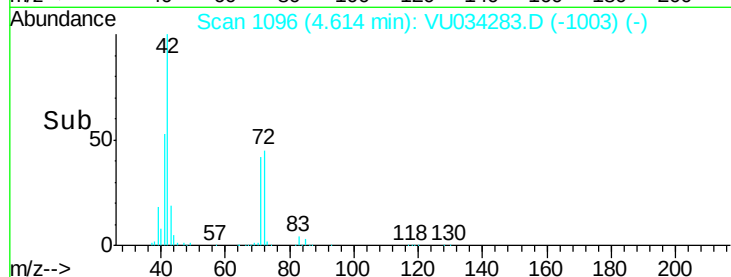
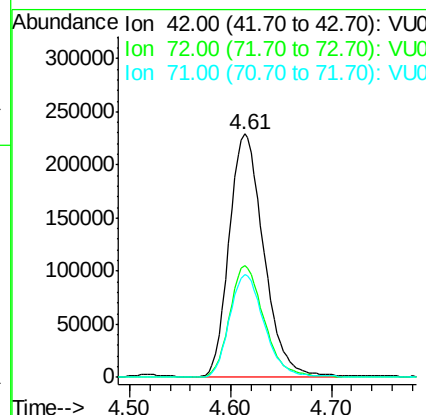
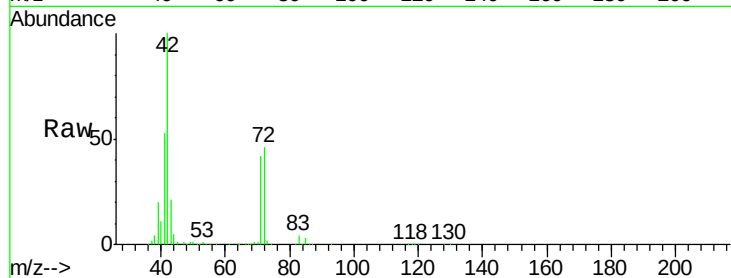
#29
Tetrahydrofuran
Concen: 267.783 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.6	54.8
71	42.7	34.3	51.5

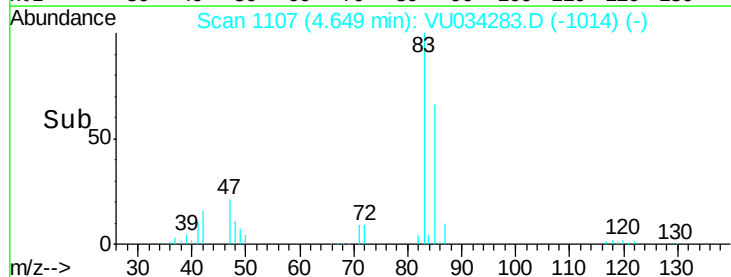
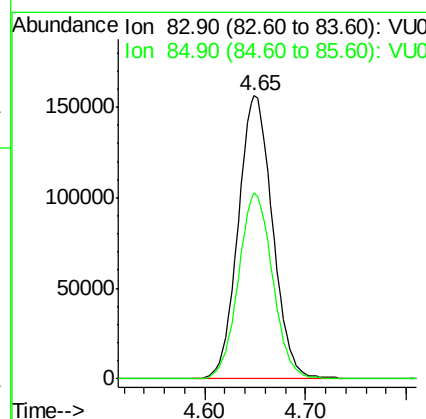
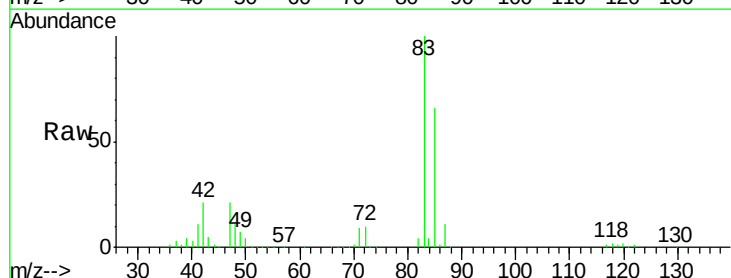
Manual Integrations
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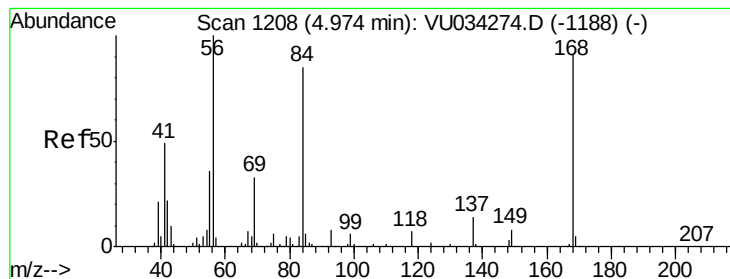
MMDadoda
9/6/2019 3:22:01 PM



#30
Chloroform
Concen: 46.846 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.5	77.3





#31

Cyclohexane

Concen: 48.360 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 274611

Ion Ratio Lower Upper

56 100

69 33.6 26.7 40.1

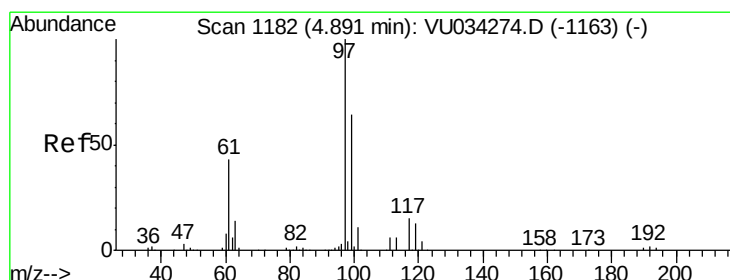
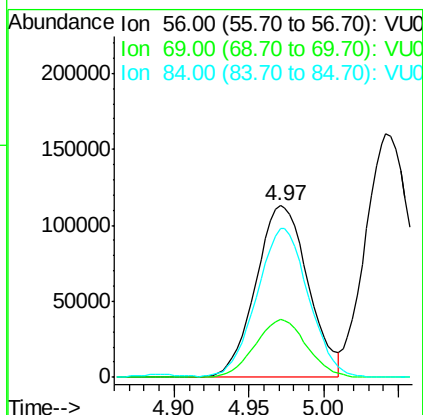
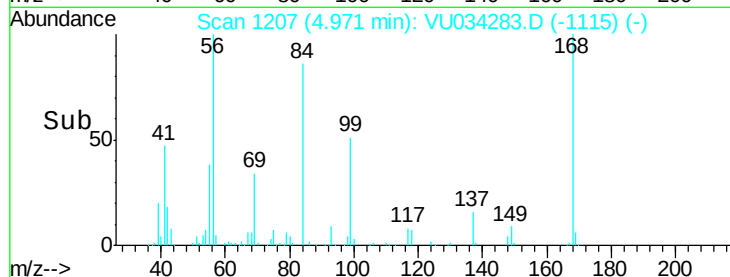
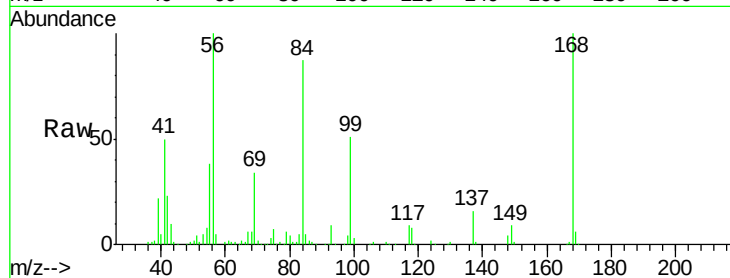
84 86.1 68.2 102.4

Manual Integrations

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9/6/2019 3:22:01 PM



#32

1,1,1-Trichloroethane

Concen: 48.619 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

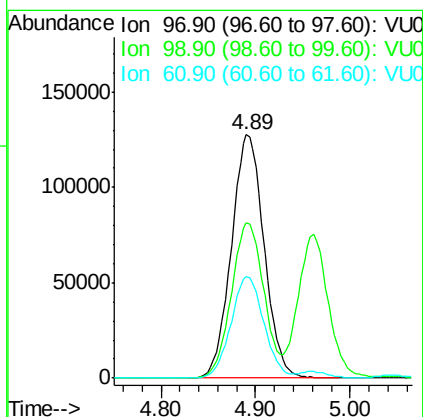
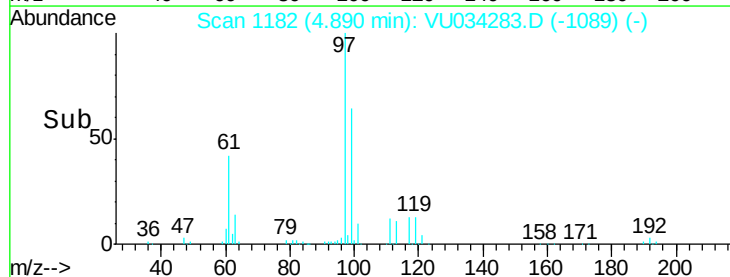
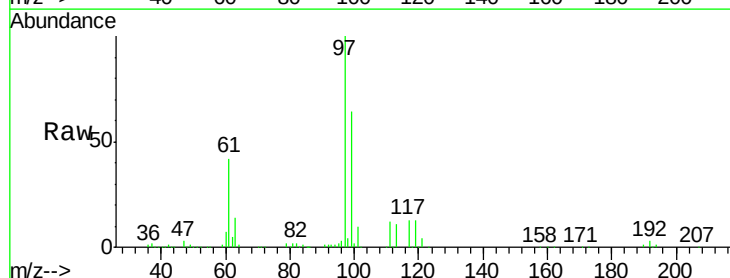
Tgt Ion: 97 Resp: 306691

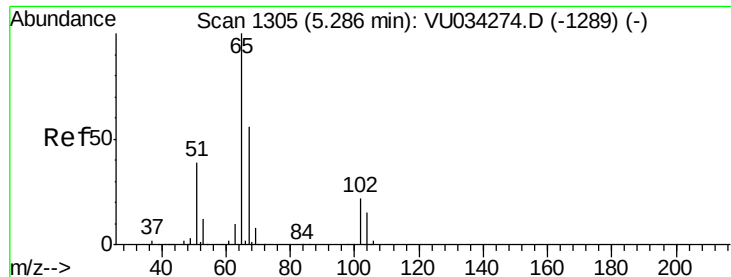
Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

61 42.0 34.7 52.1





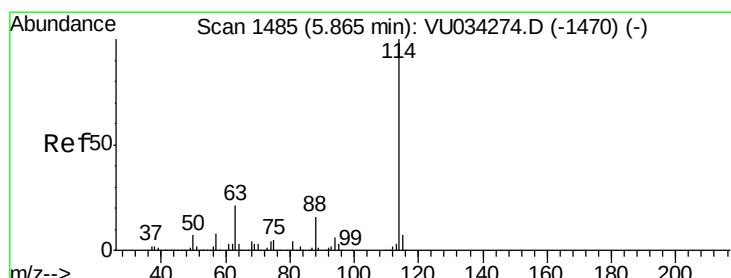
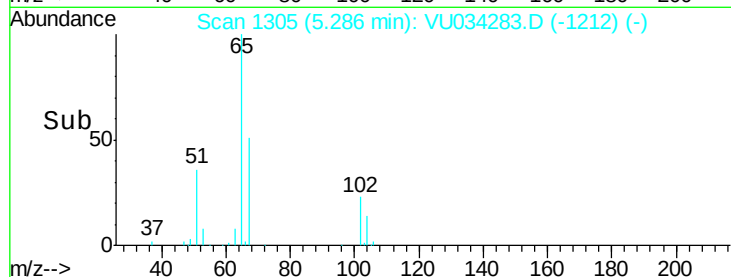
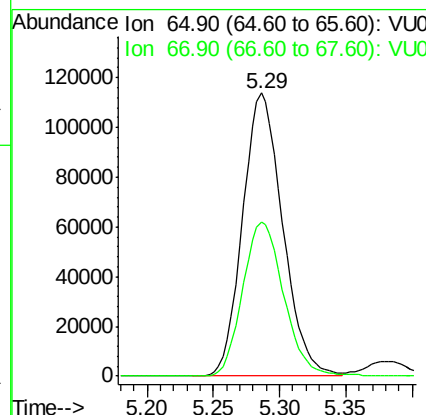
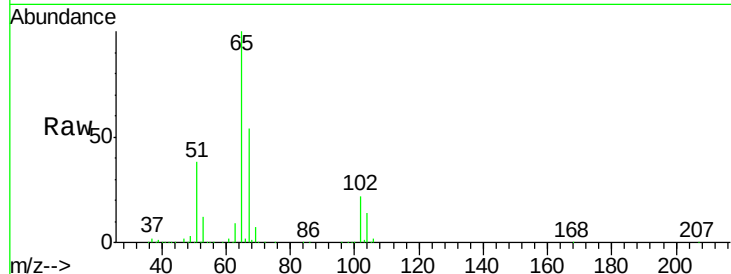
#33
 1,2-Dichloroethane-d4
 Concen: 49.475 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	239853		
67	55.8	0.0	112.4	

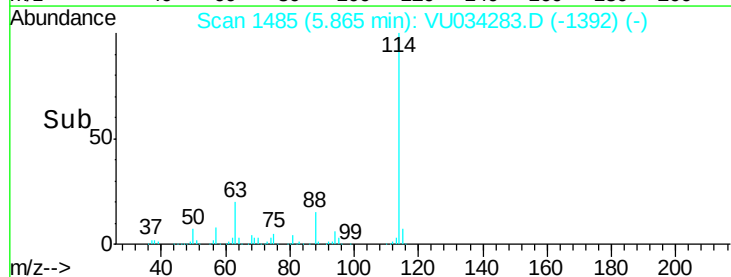
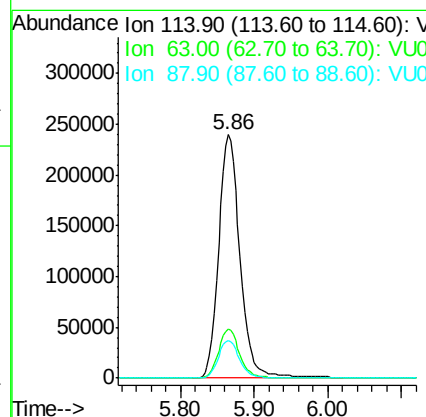
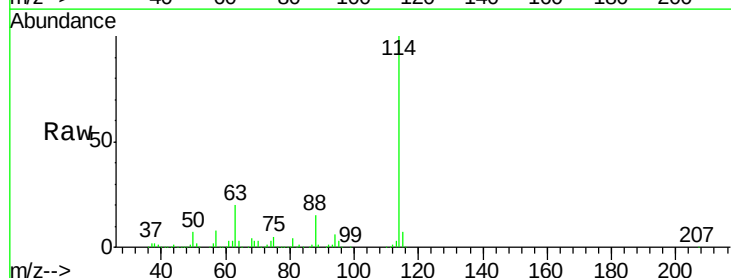
Manual Integrations
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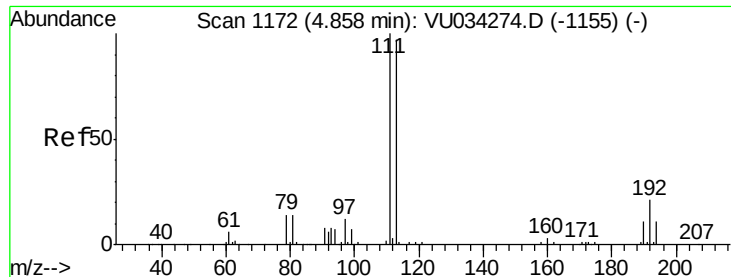
MMDadoda
 9/6/2019 3:22:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	480964		
63	20.0	0.0	42.4	
88	15.4	0.0	32.4	





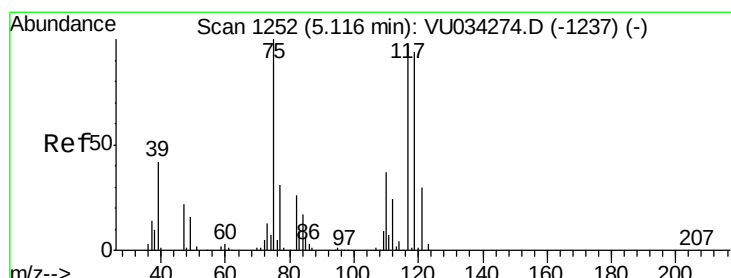
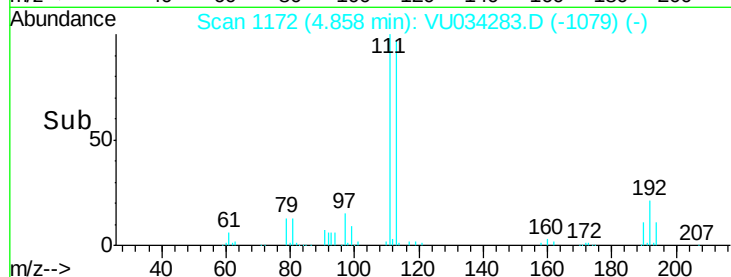
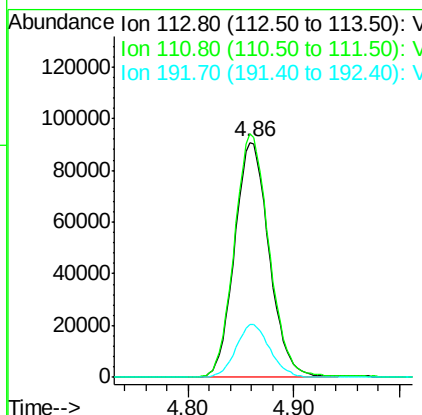
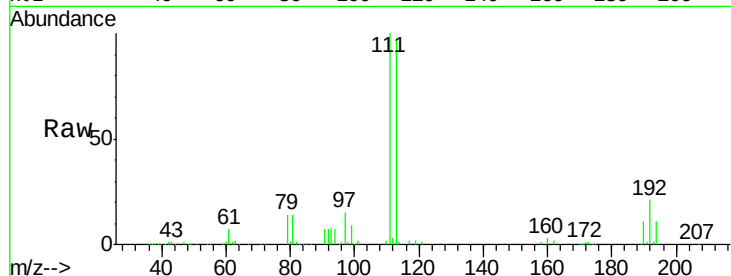
#35
 Dibromofluoromethane
 Concen: 46.212 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	206816		
111	103.8	81.5	122.3	
192	22.3	17.8	26.8	

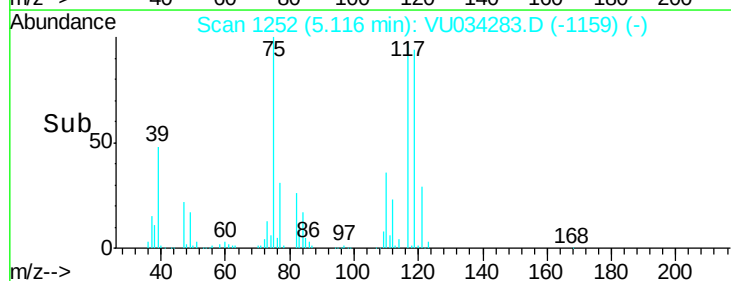
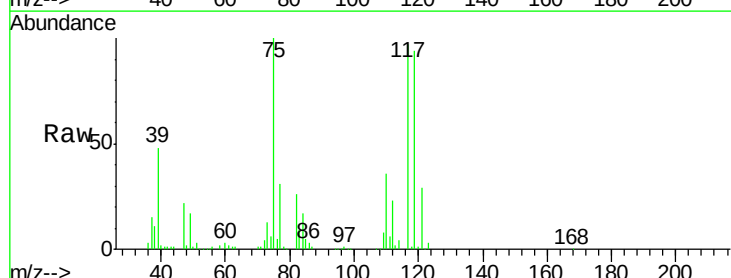
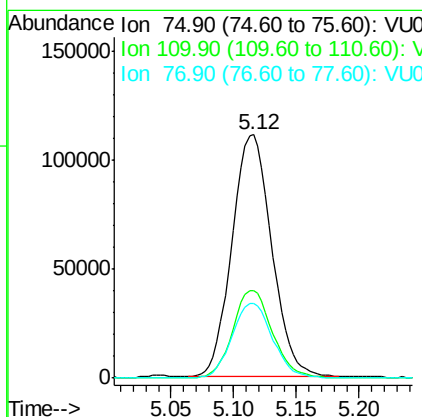
Manual Integrations
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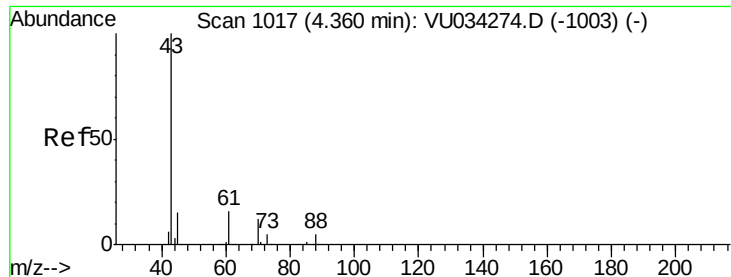
MMDadoda
 9/6/2019 3:22:01 PM



#36
 1,1-Dichloropropene
 Concen: 46.931 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	244795		
110	36.2	18.3	54.9	
77	31.0	24.9	37.3	





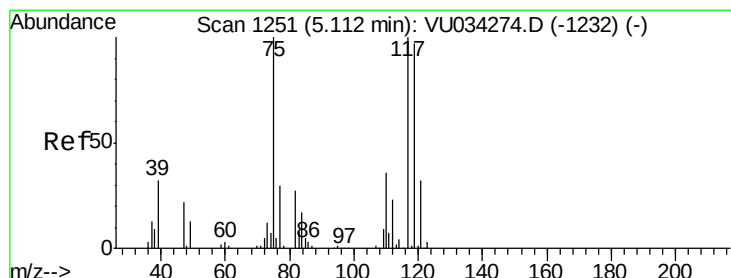
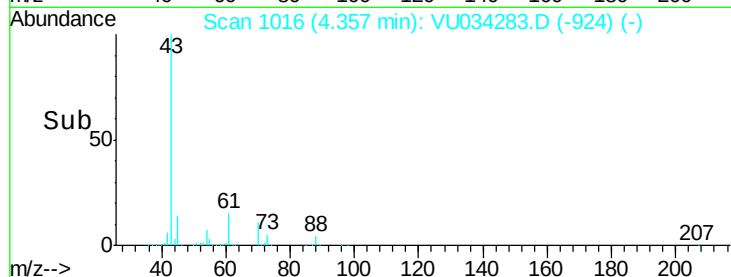
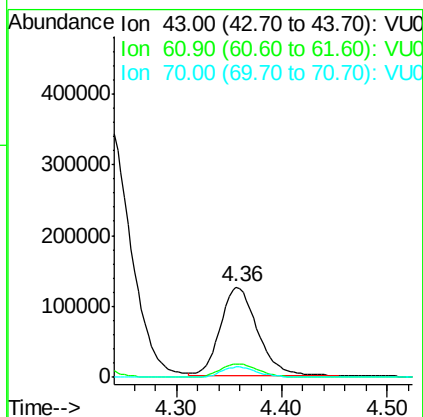
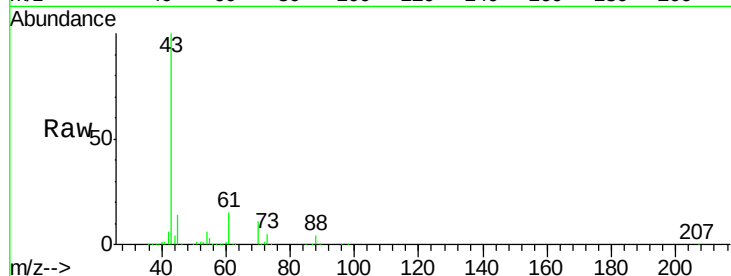
#37
Ethyl Acetate
Concen: 50.073 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.3	18.5
70	11.4	9.1	13.7

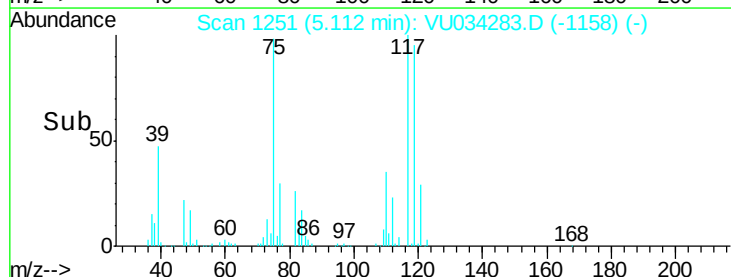
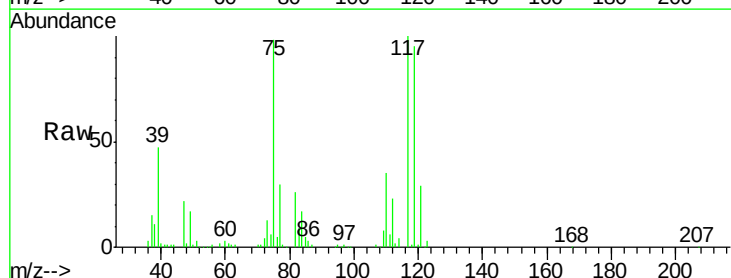
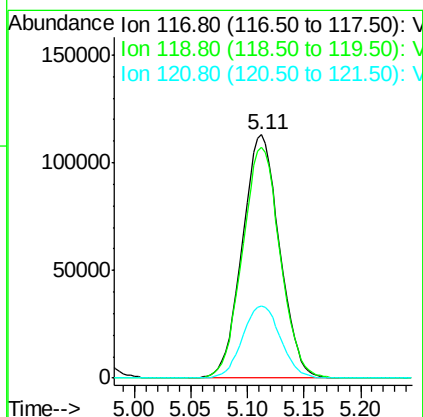
Manual Integrations
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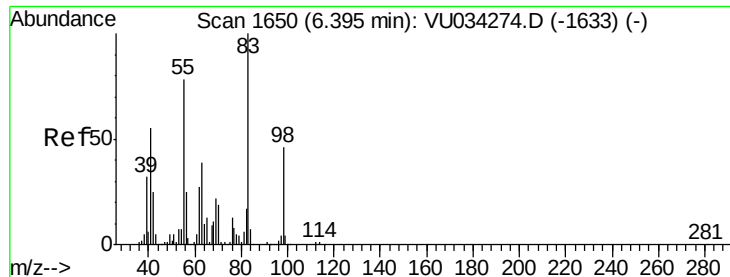
MMDadoda
9/6/2019 3:22:01 PM



#38
Carbon Tetrachloride
Concen: 46.527 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.8	116.6
121	29.4	25.2	37.8





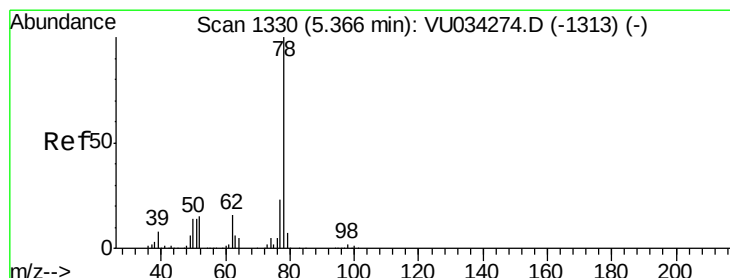
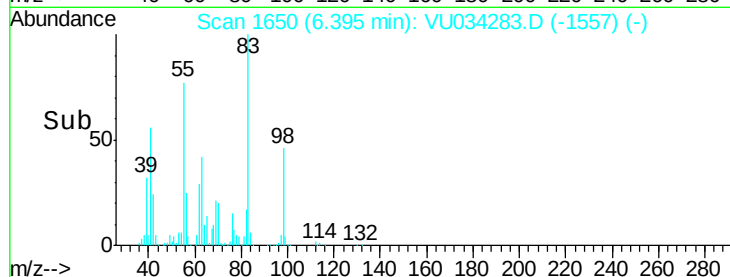
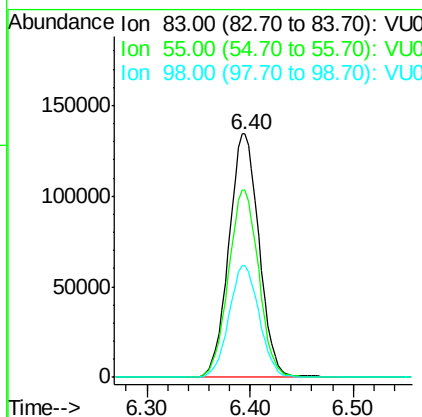
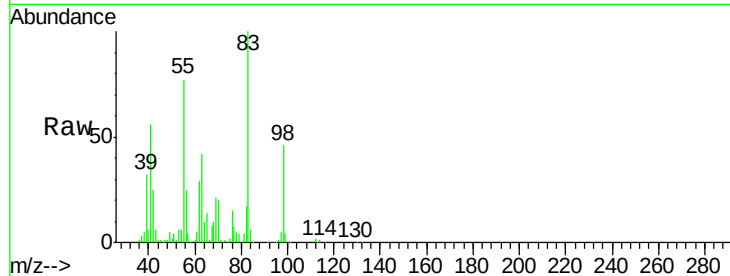
#39
Methylvlcyclohexane
Concen: 49.047 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	62.1	93.1
98	46.0	37.0	55.6

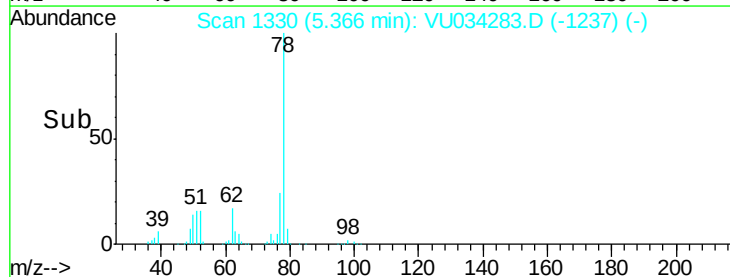
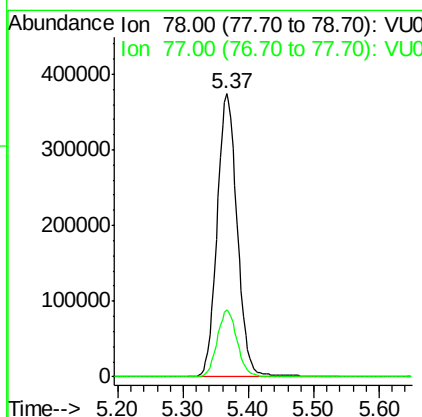
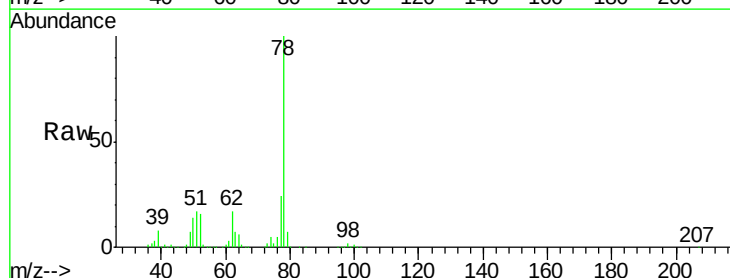
Manual Integrations
APPROVED

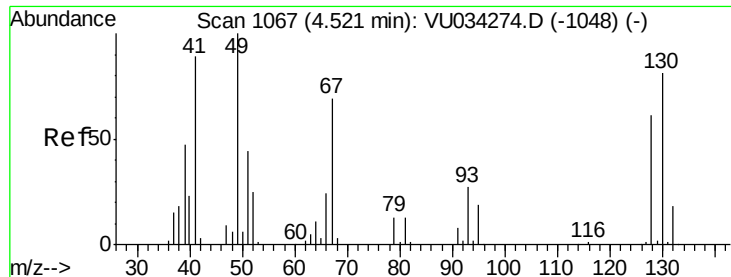
MMDadoda
9/6/2019 3:22:01 PM



#40
Benzene
Concen: 47.730 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





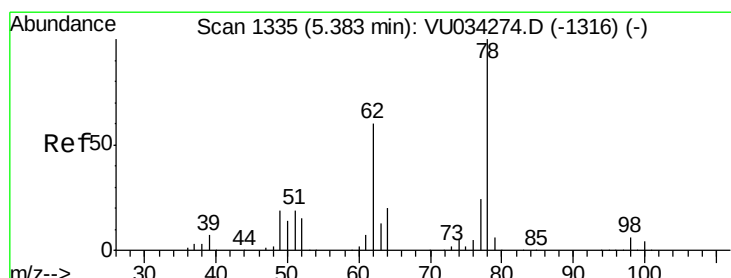
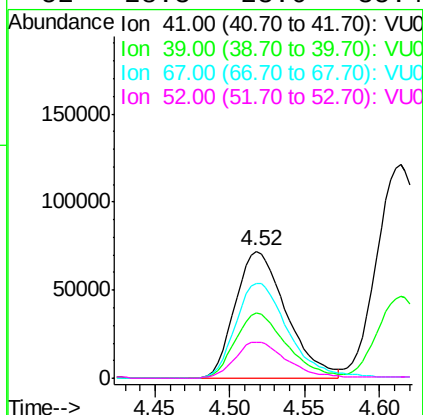
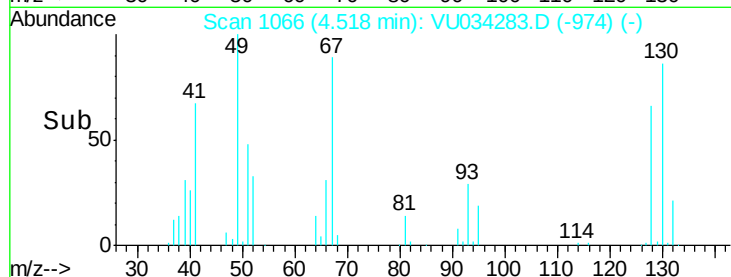
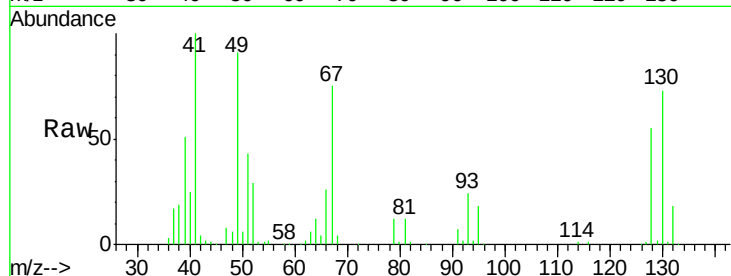
#41
Methacrylonitrile
Concen: 51.999 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.2	41.0	61.4	
67	78.2	62.4	93.6	
52	28.3	23.6	35.4	

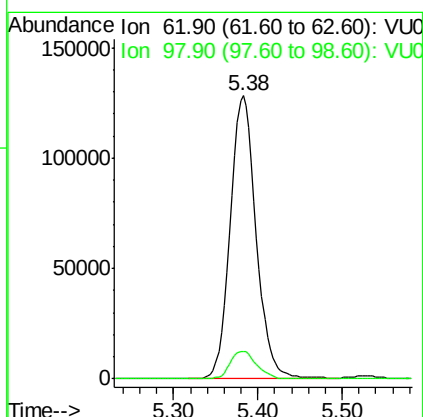
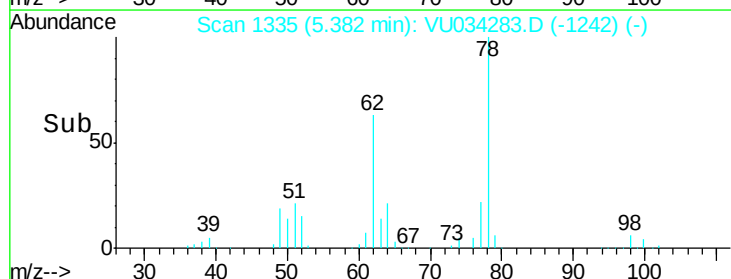
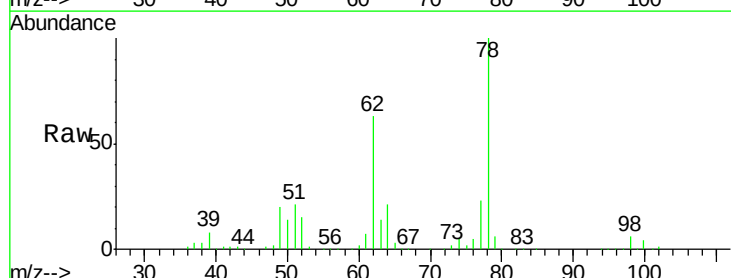
Manual Integrations
APPROVED

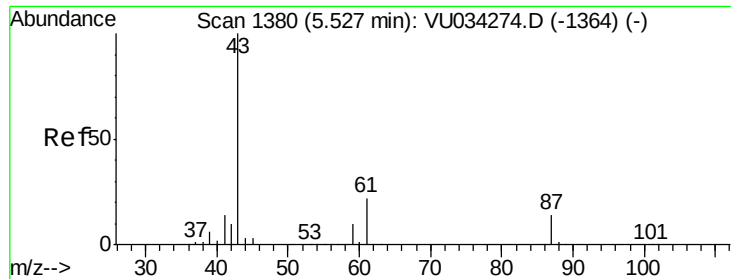
MMDadoda
9/6/2019 3:22:01 PM



#42
1,2-Dichloroethane
Concen: 46.963 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.0	





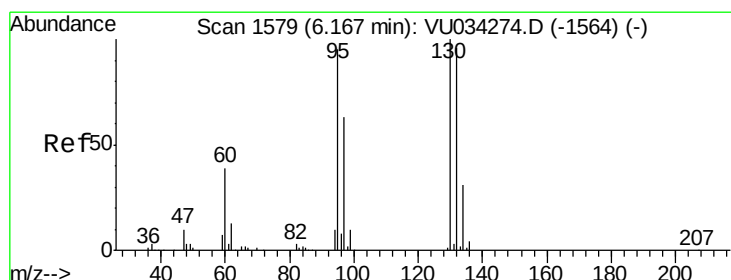
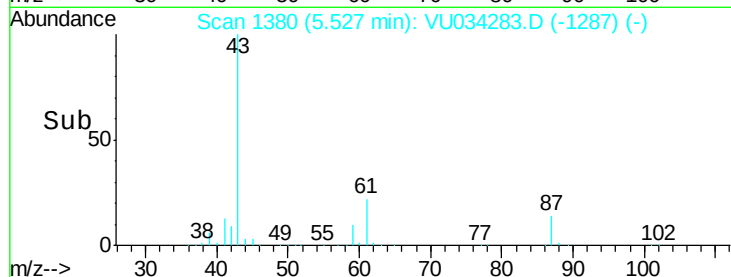
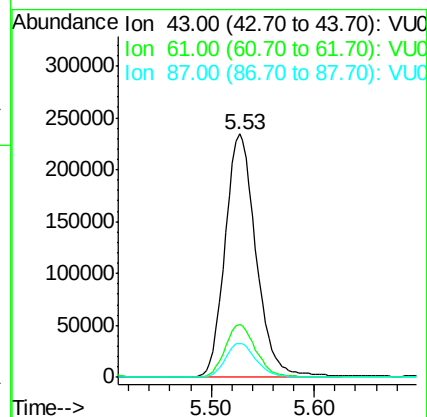
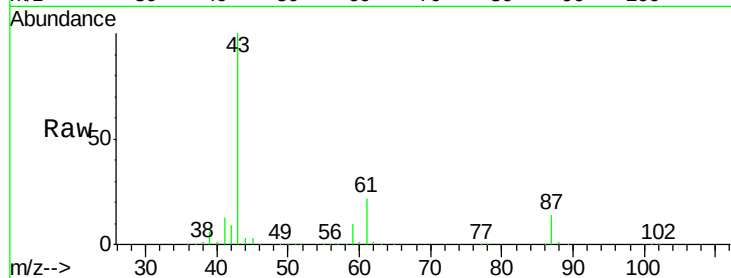
#43
Isopropyl Acetate
Concen: 50.497 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.1	25.7
87	14.1	11.1	16.7

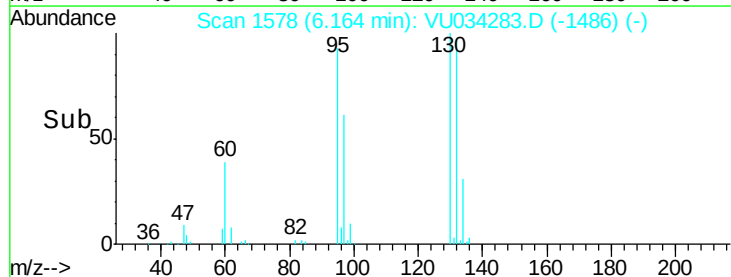
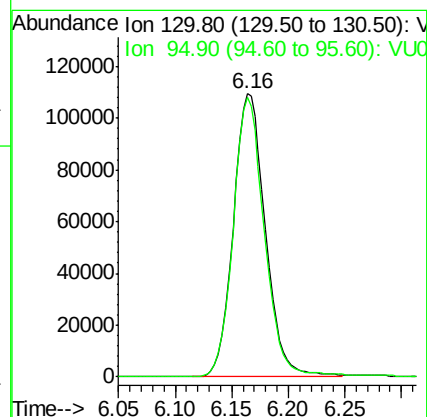
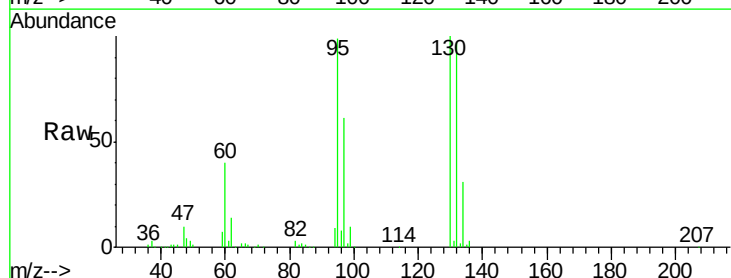
Manual Integrations
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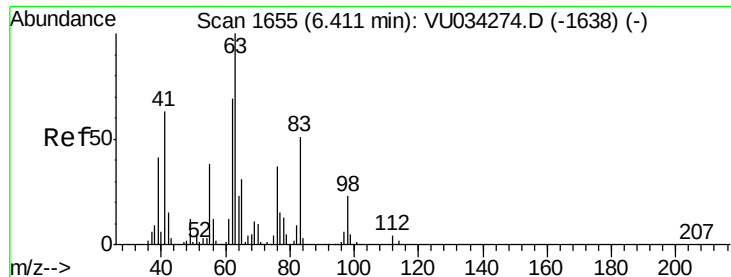
MMDadoda
9/6/2019 3:22:01 PM



#44
Trichloroethene
Concen: 46.273 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	189.2





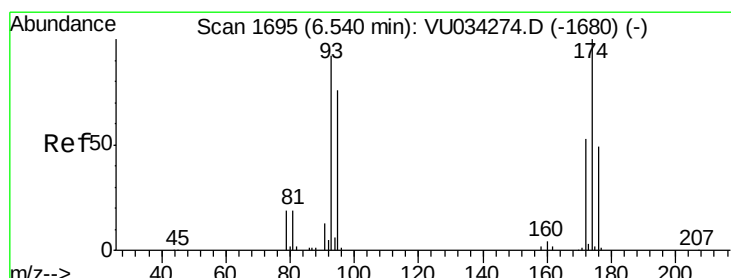
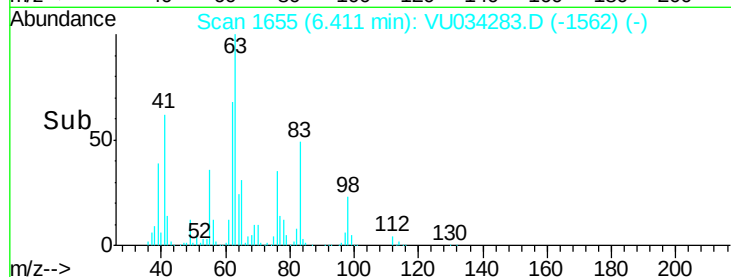
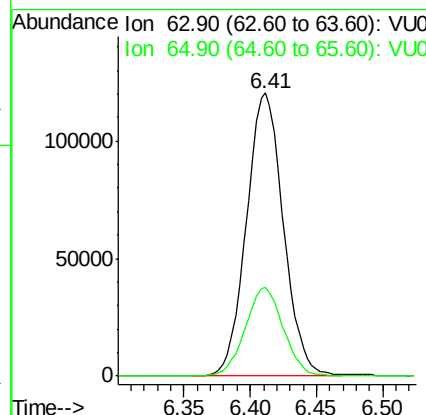
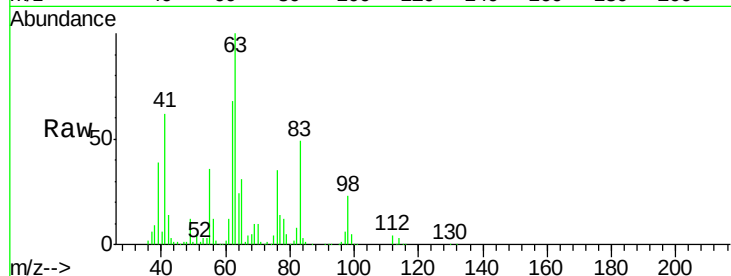
#45
 1,2-Dichloropropane
 Concen: 47.437 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 233410
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.6 37.0

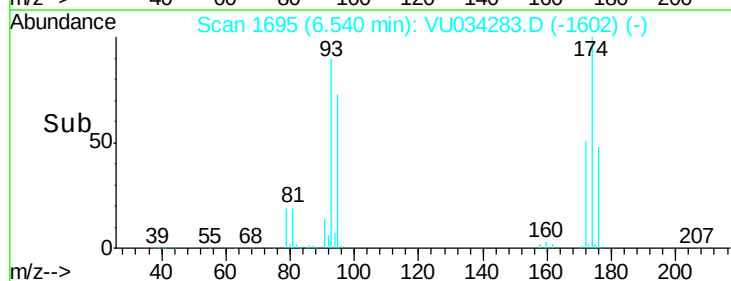
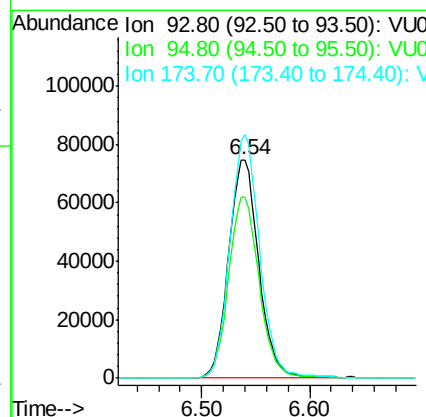
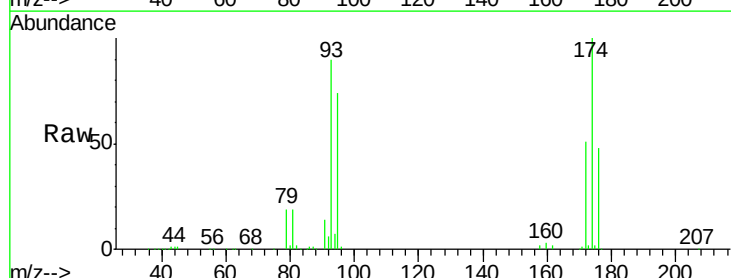
Manual Integrations
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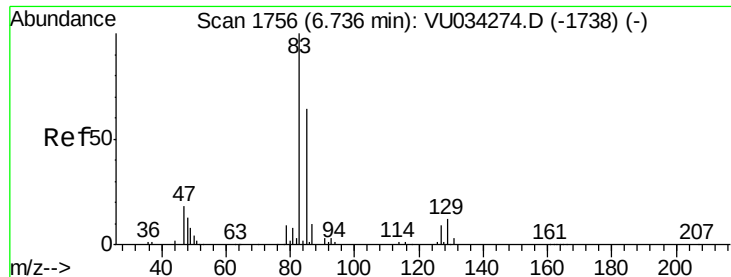
MMDadoda
 9/6/2019 3:22:01 PM



#46
 Dibromomethane
 Concen: 47.321 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Tgt Ion: 93 Resp: 146156
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.5 99.7
 174 109.8 87.8 131.6





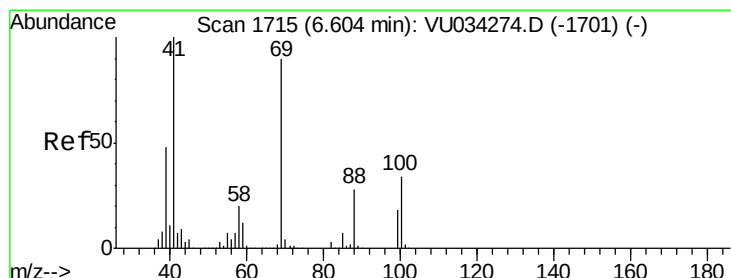
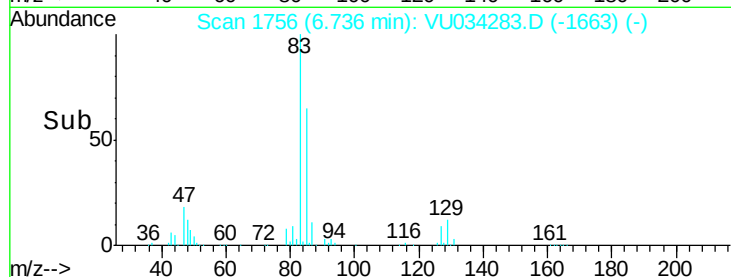
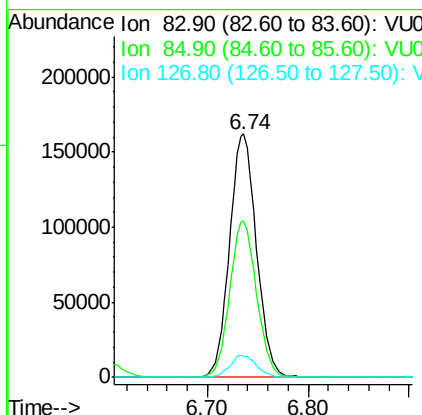
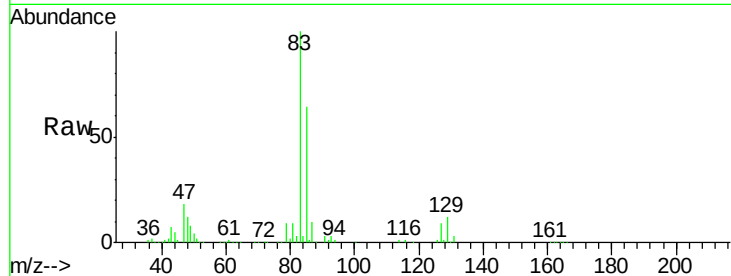
#47
Bromodichloromethane
Concen: 47.362 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	301105		
85	64.2	51.1	76.7	
127	8.8	7.2	10.8	

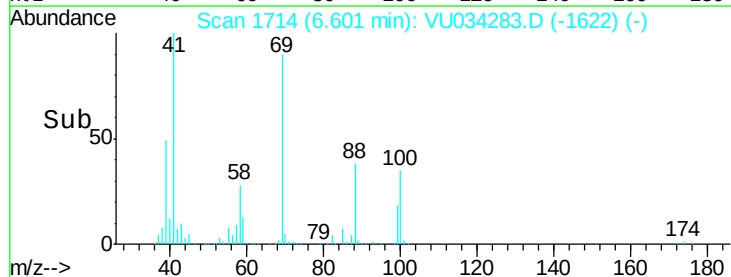
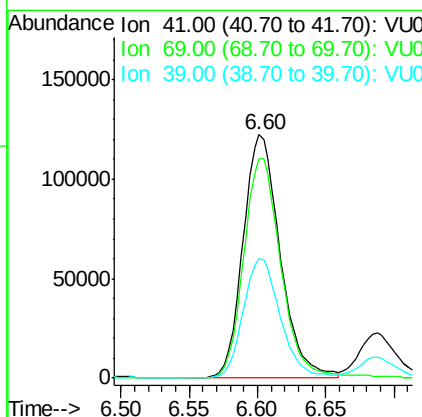
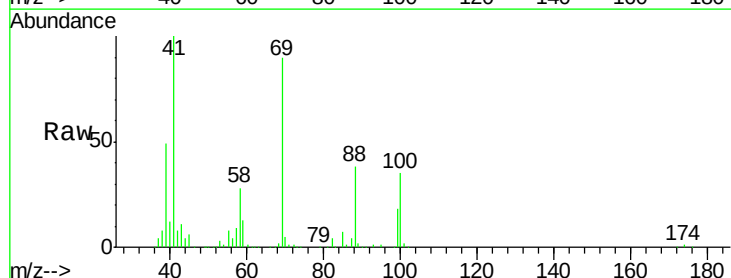
Manual Integrations
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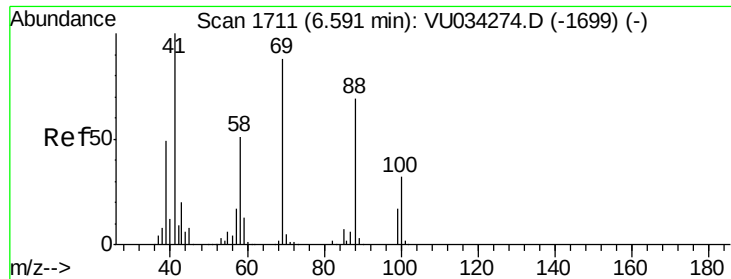
MMDadoda
9/6/2019 3:22:01 PM



#48
Methyl methacrylate
Concen: 50.180 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	229293		
69	91.9	72.8	109.2	
39	49.0	38.6	58.0	





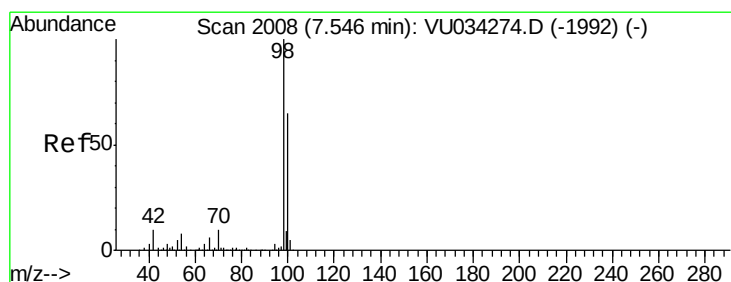
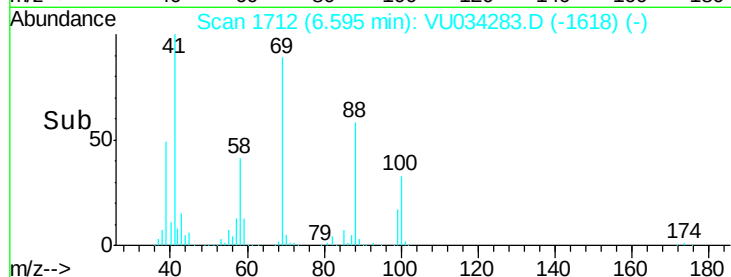
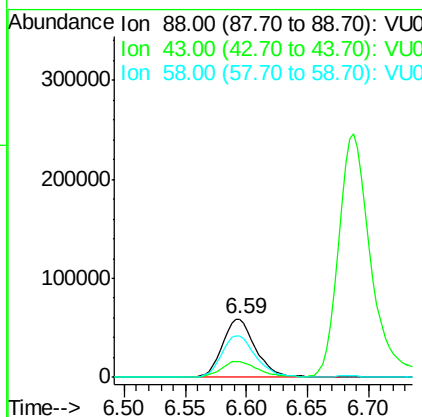
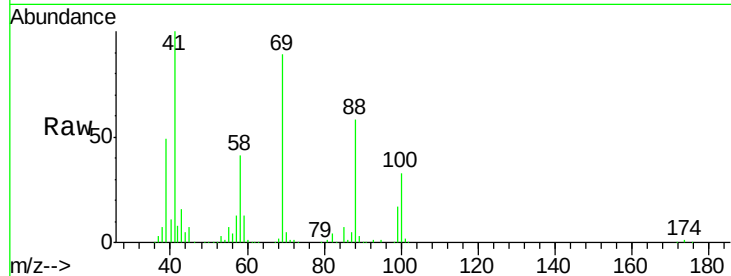
#49
1,4-Dioxane
Concen: 1106.950 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	23.8	35.6
58	75.1	58.4	87.6

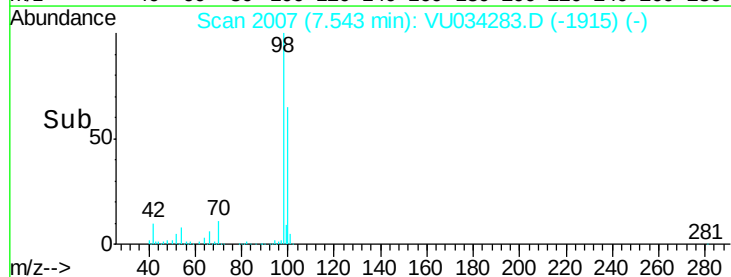
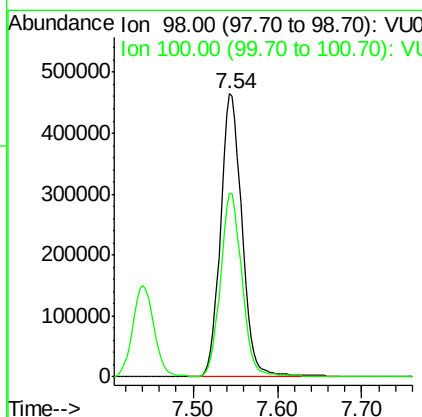
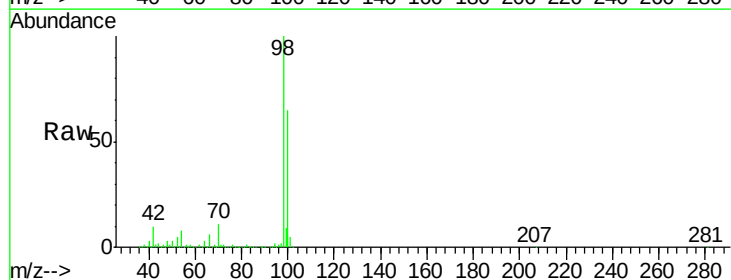
Manual Integrations
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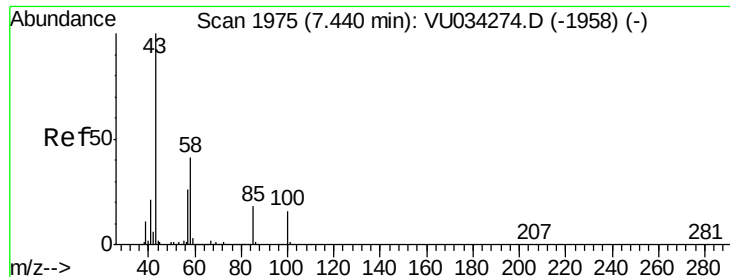
MMDadoda
9/6/2019 3:22:01 PM



#50
Toluene-d8
Concen: 49.001 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 249.769 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1663310

Ion Ratio Lower Upper

43 100

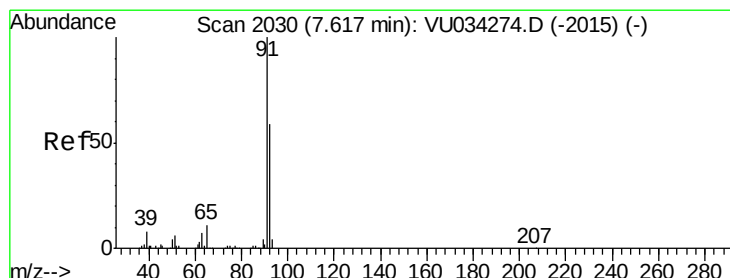
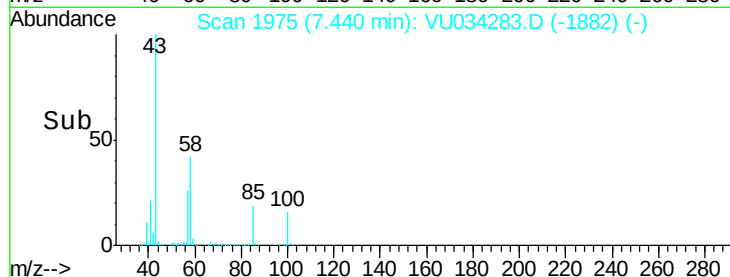
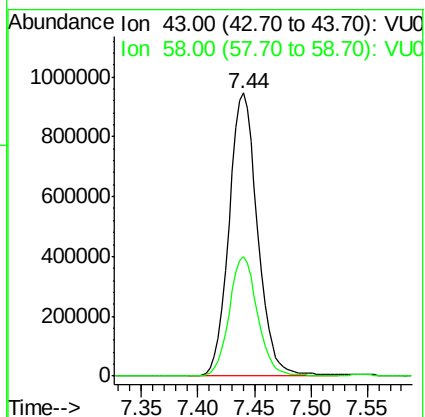
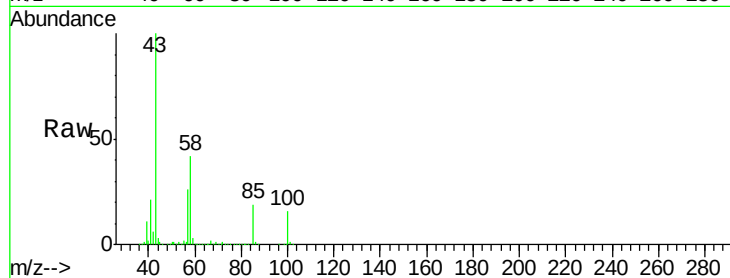
58 41.9 33.0 49.4

Manual Integrations

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9/6/2019 3:22:01 PM



#52

Toluene

Concen: 48.228 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034283.D

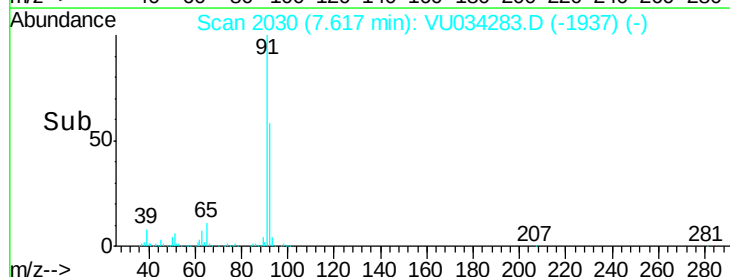
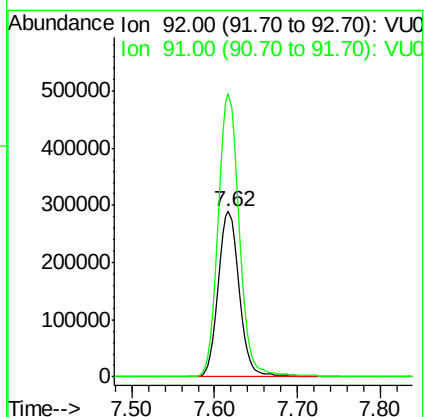
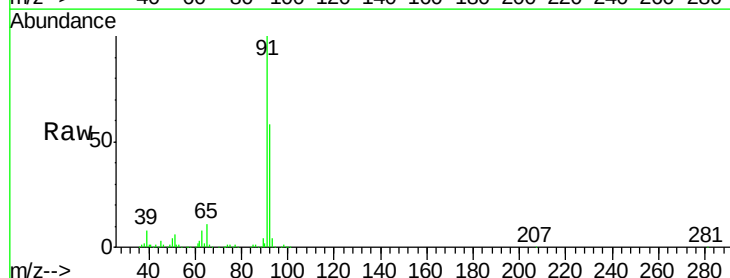
Acq: 05 Sep 2019 14:59

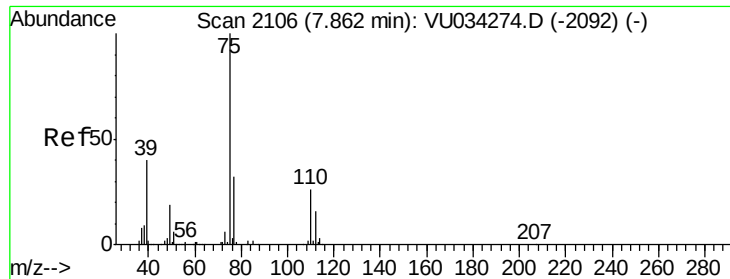
Tgt Ion: 92 Resp: 509205

Ion Ratio Lower Upper

92 100

91 170.4 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 49.700 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 327543

Ion Ratio Lower Upper

75 100

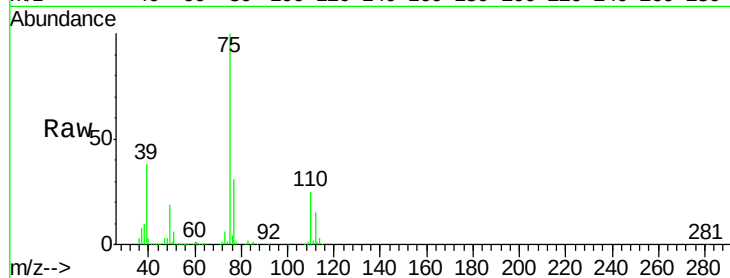
77 31.3 25.7 38.5

Manual Integrations

APPROVED

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9/6/2019 3:22:01 PM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.86

200000

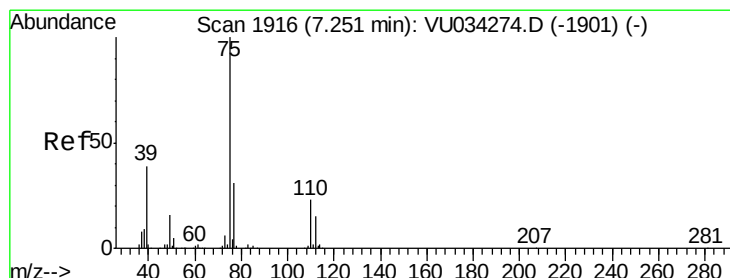
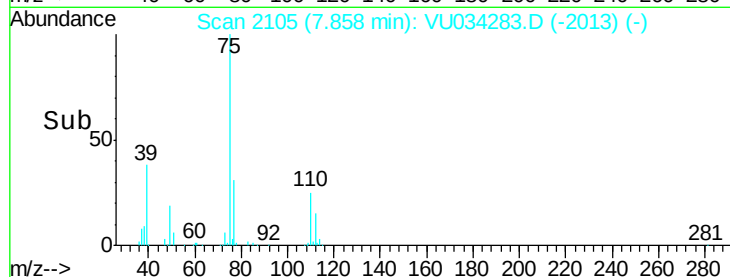
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.949 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

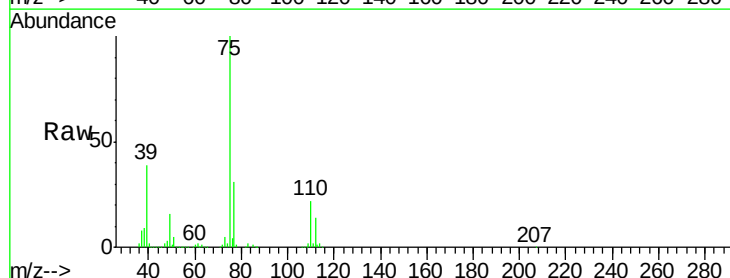
Tgt Ion: 75 Resp: 361290

Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7

39 39.3 31.2 46.8



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.25

250000

200000

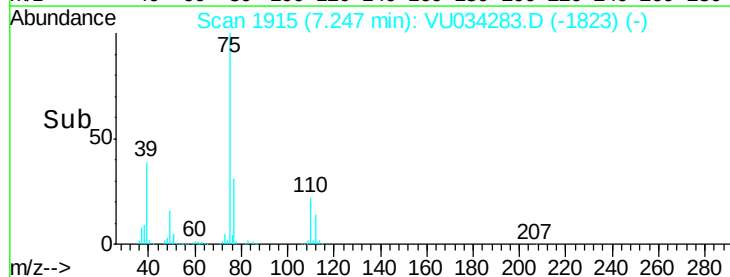
150000

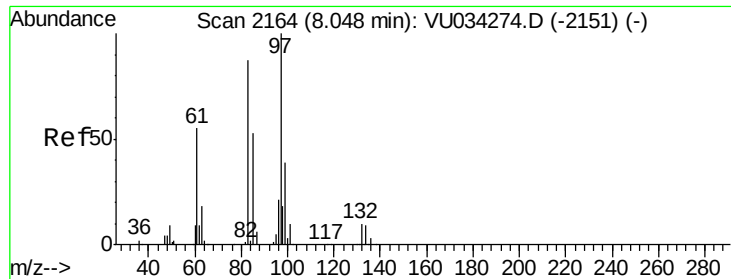
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 47.852 ug/l

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

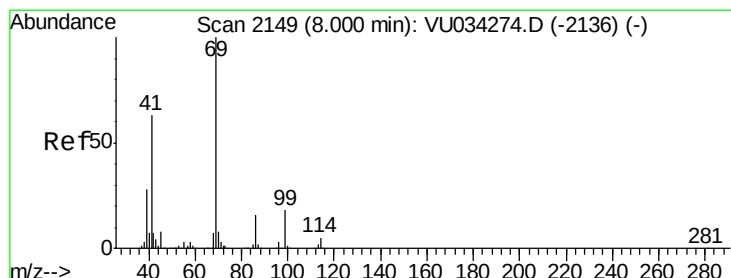
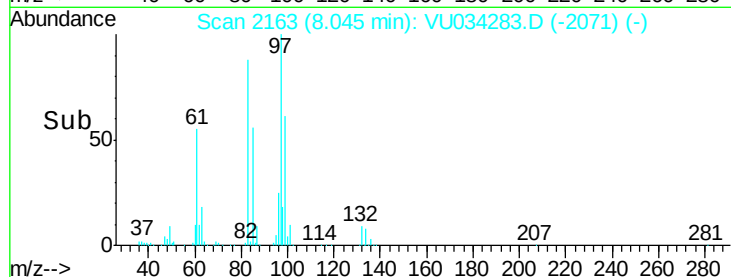
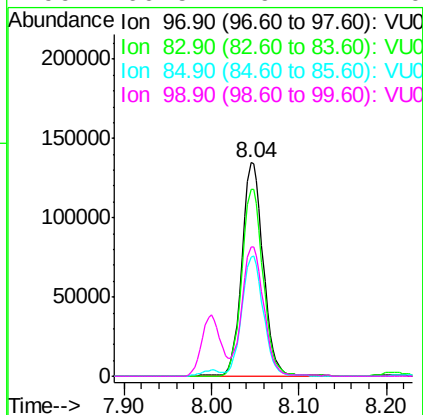
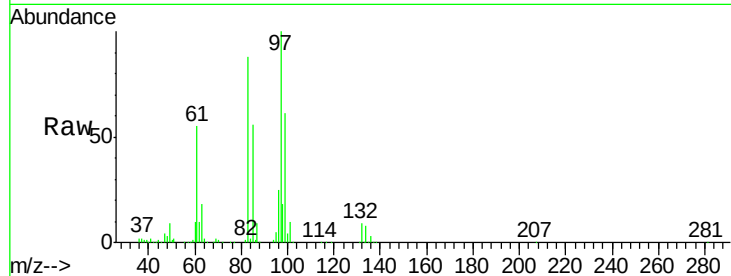
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	229414
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.0	103.6
85	55.7	44.2	66.2
99	60.5	49.4	74.0

Manual Integrations
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9/6/2019 3:22:01 PM



#56

Ethyl methacrylate

Concen: 47.719 ug/l

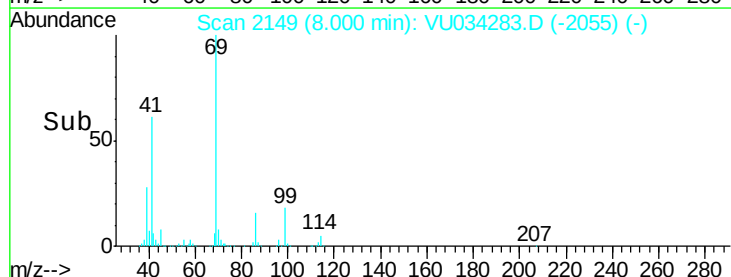
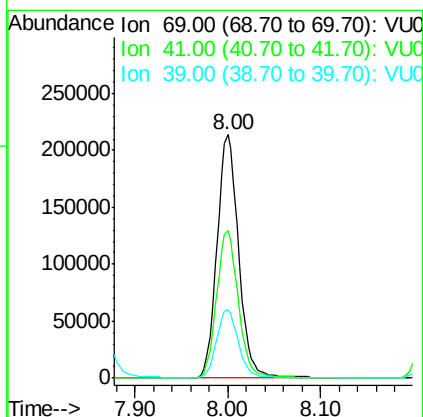
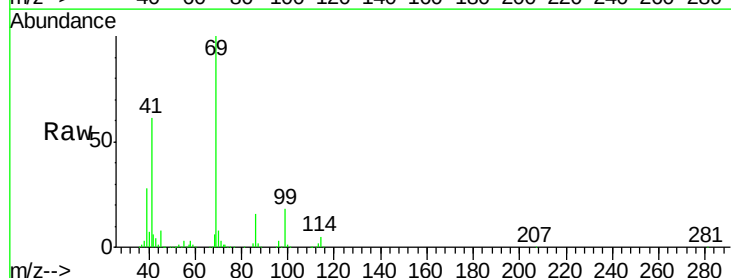
RT: 8.00 min Scan# 2149

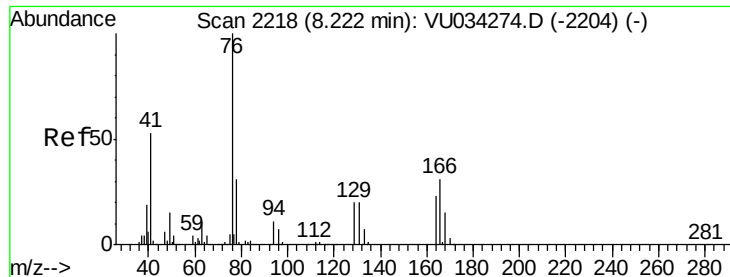
Delta R.T. 0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Tgt Ion:	69	Resp:	346490
Ion	Ratio	Lower	Upper
69	100		
41	60.9	49.5	74.3
39	27.9	22.5	33.7





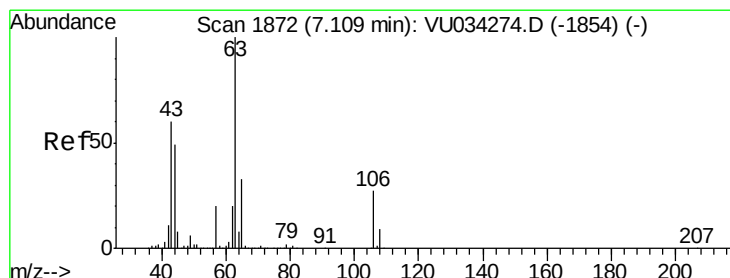
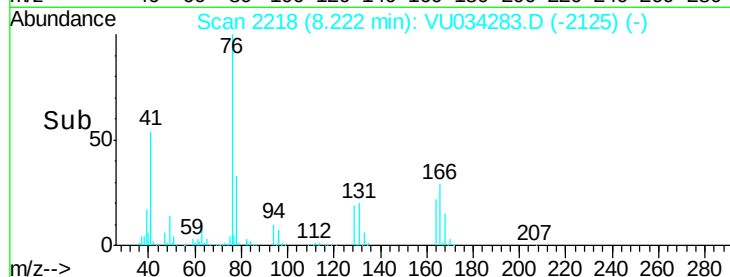
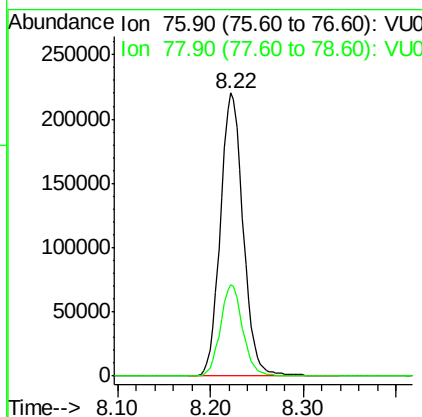
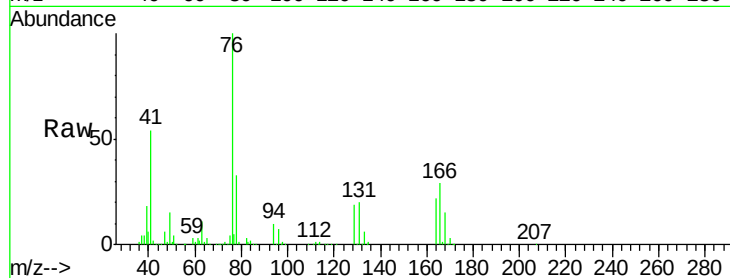
#57
 1,3-Dichloropropane
 Concen: 48.119 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.4	38.2

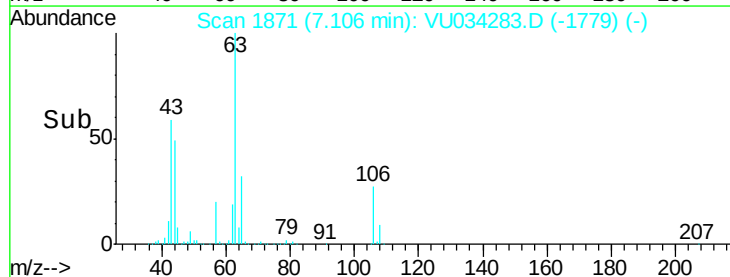
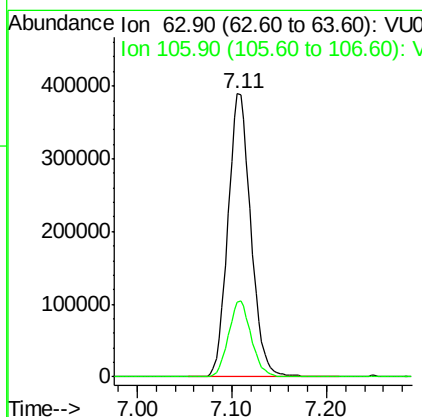
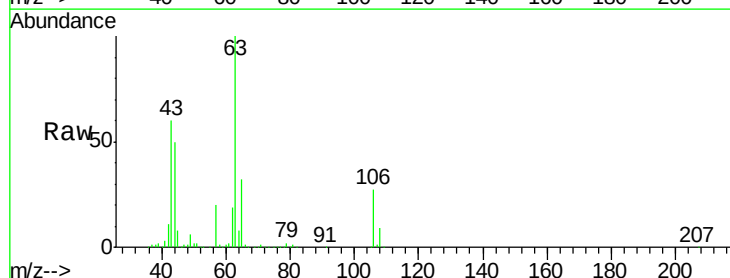
Manual Integrations
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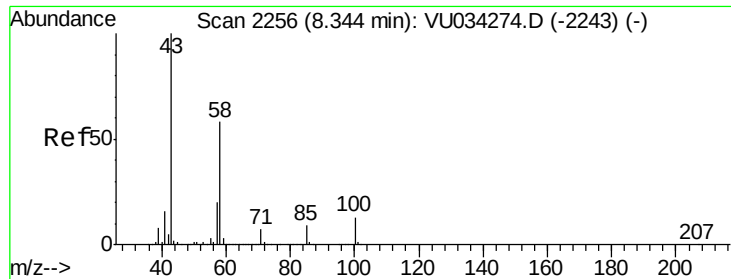
MMDadoda
 9/6/2019 3:22:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.428 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.6	32.4





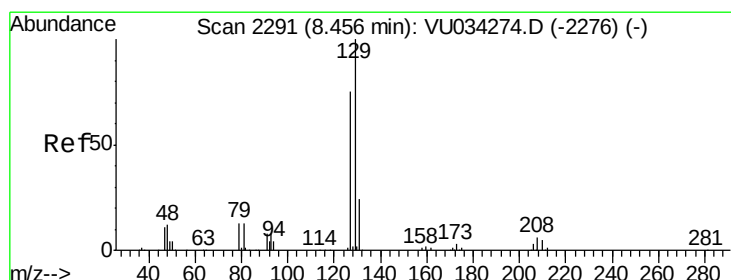
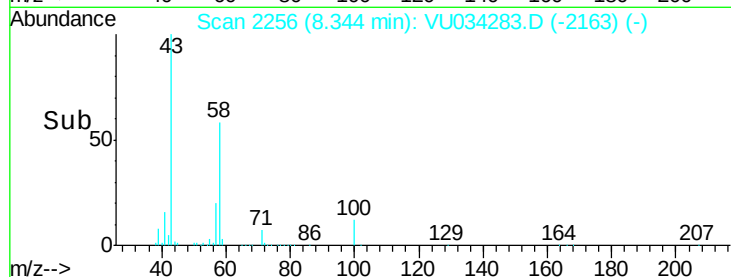
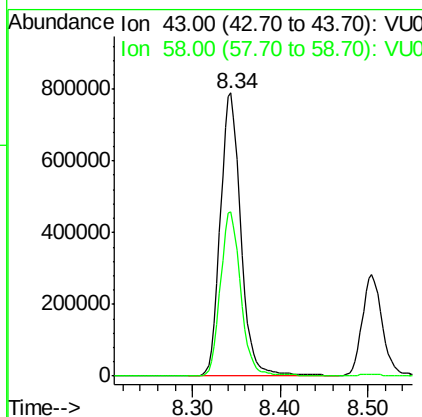
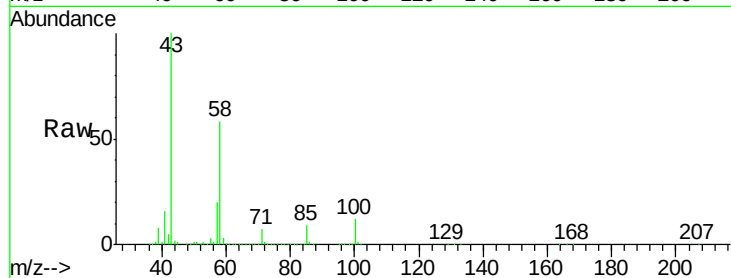
#59
2-Hexanone
Concen: 258.552 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1286272
Ion Ratio Lower Upper
43 100
58 58.0 28.8 86.5

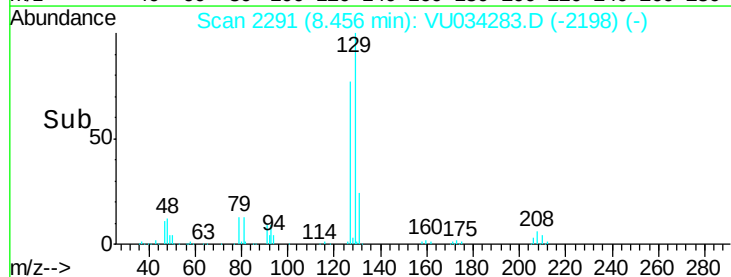
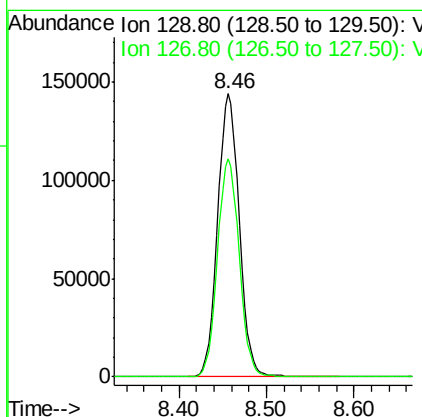
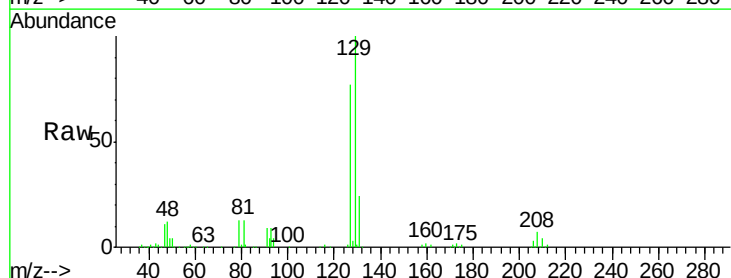
Manual Integrations
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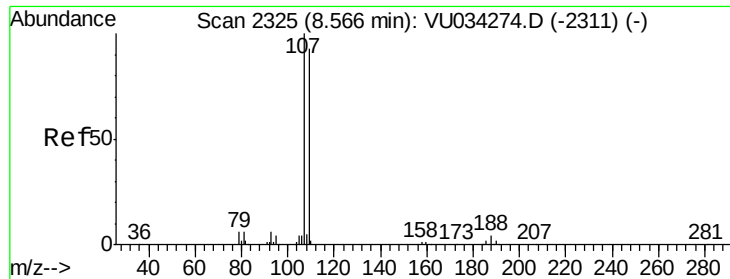
MMDadoda
9/6/2019 3:22:01 PM



#60
Dibromochloromethane
Concen: 48.054 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion: 129 Resp: 247108
Ion Ratio Lower Upper
129 100
127 77.3 37.9 113.7





#61

1,2-Dibromoethane

Concen: 48.298 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 226638

Ion Ratio Lower Upper

107 100

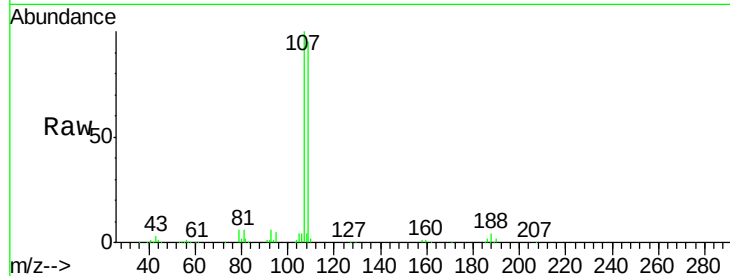
109 94.8 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

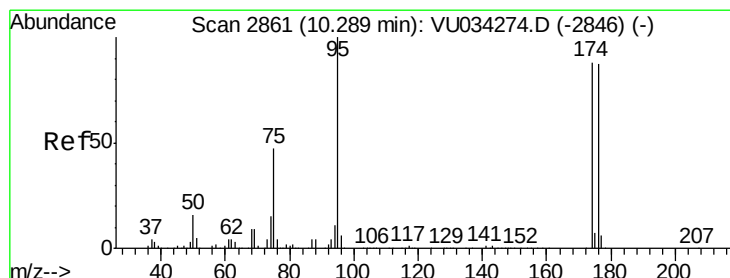
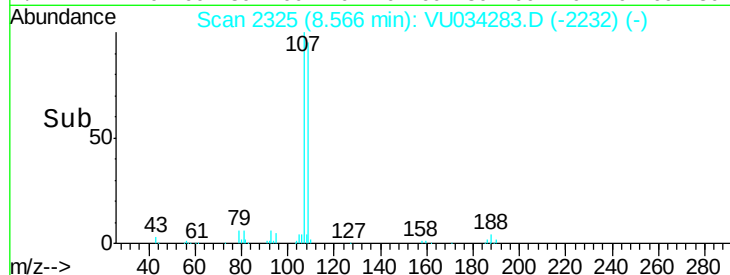
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.924 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

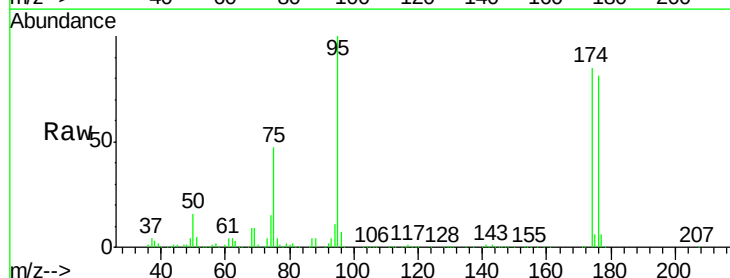
Tgt Ion: 95 Resp: 311117

Ion Ratio Lower Upper

95 100

174 86.0 0.0 175.2

176 84.1 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

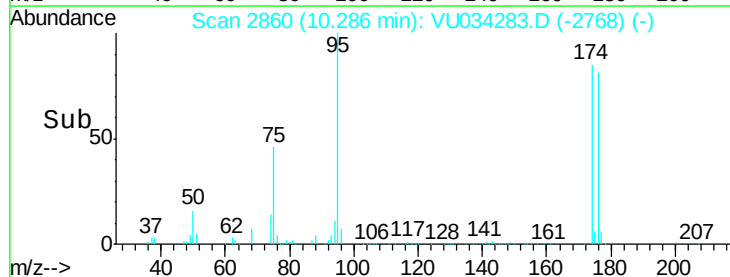
150000

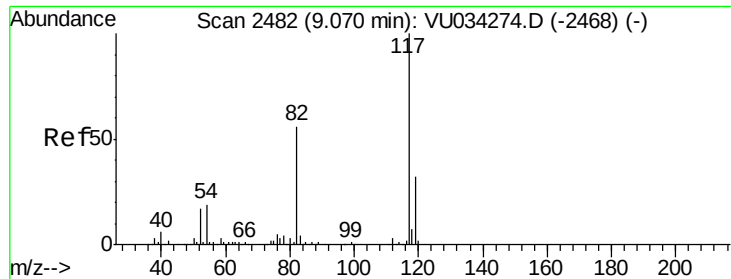
100000

50000

0

Time-->





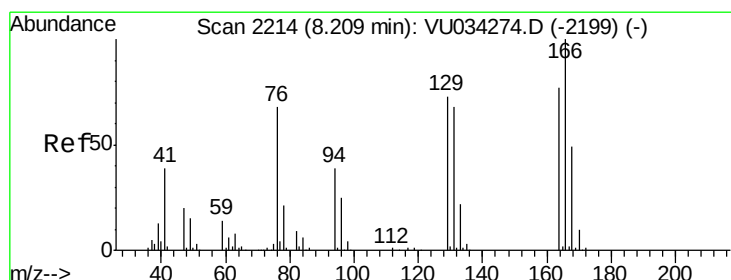
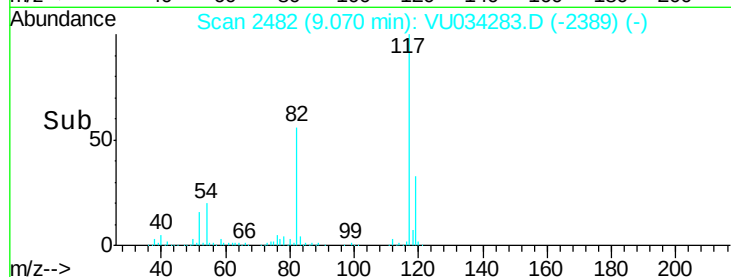
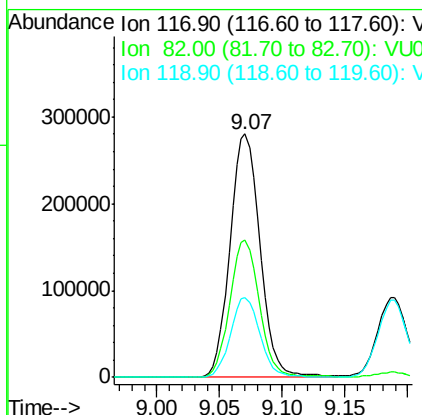
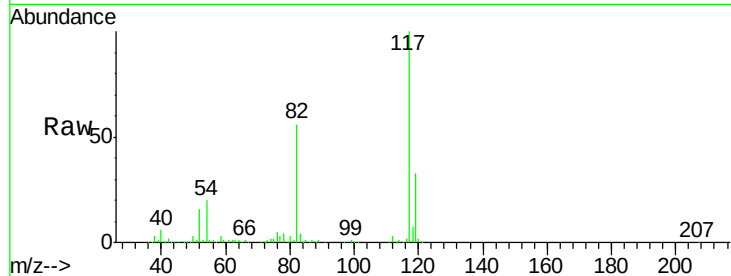
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	467964		
82	56.3	44.6	67.0	
119	33.0	25.9	38.9	

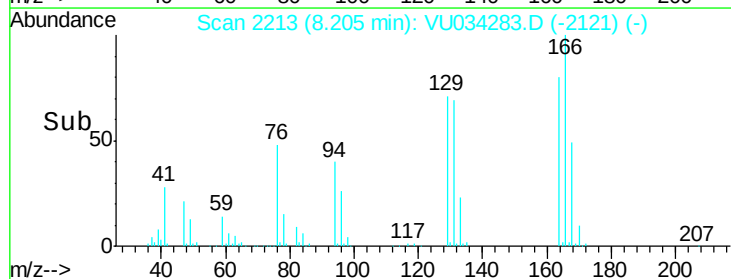
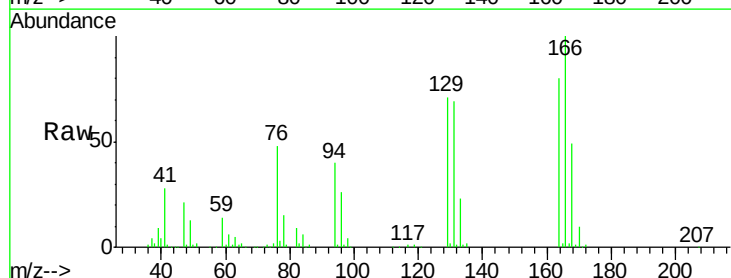
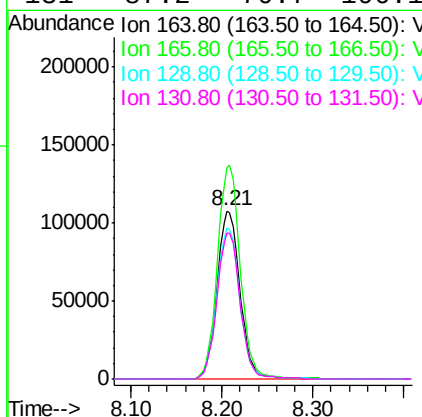
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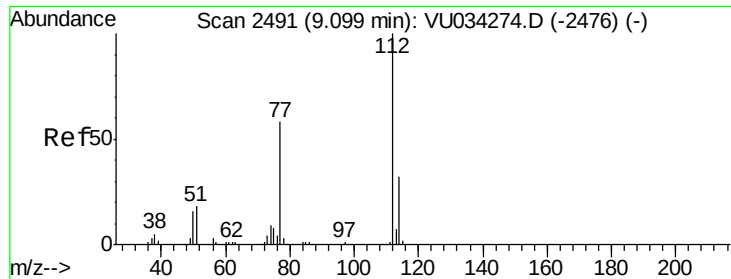
MMDadoda
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#64
Tetrachloroethene
Concen: 46.561 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	189029		
166	125.7	103.7	155.5	
129	89.7	75.8	113.8	
131	87.2	70.7	106.1	





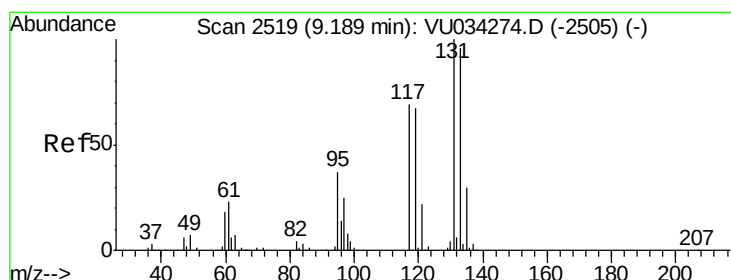
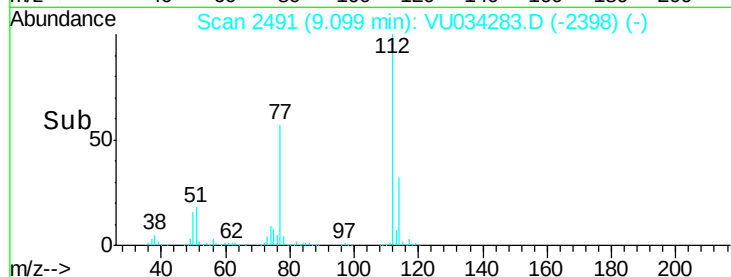
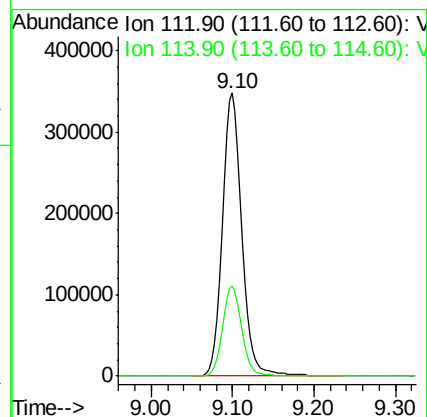
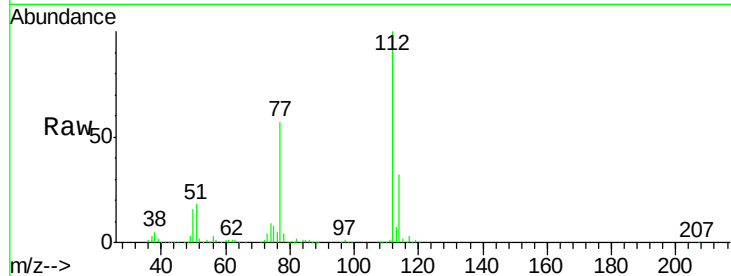
#65
Chlorobenzene
Concen: 49.480 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 587445
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

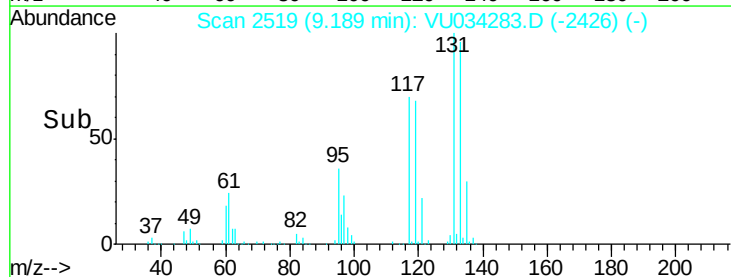
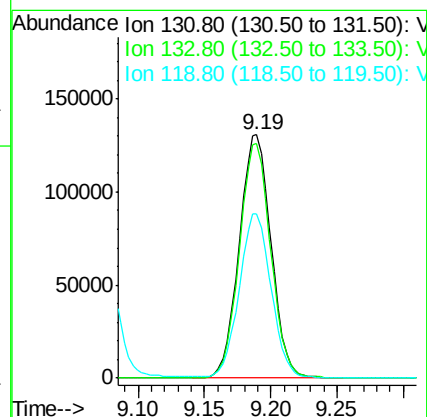
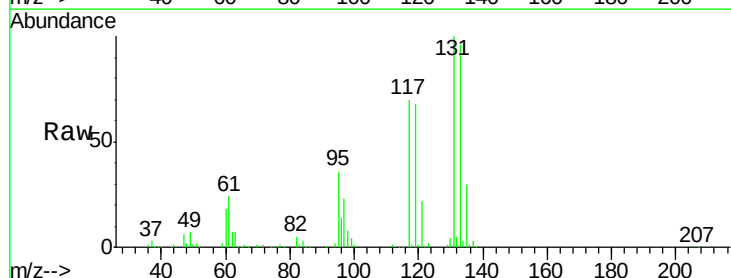
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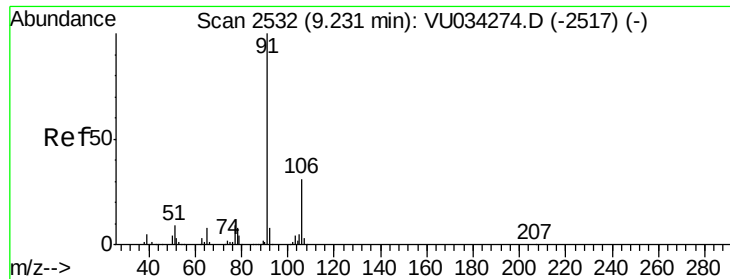
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9/6/2019 3:22:01 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.091 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion:131 Resp: 217898
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.7
119 67.5 33.1 99.5





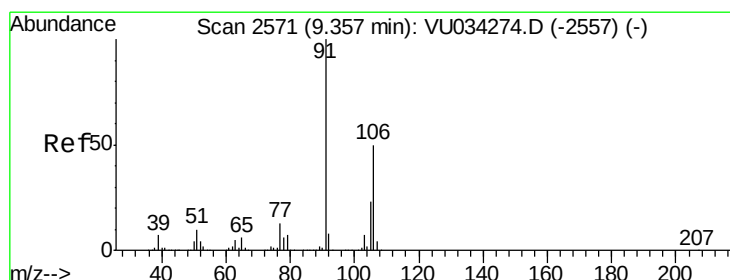
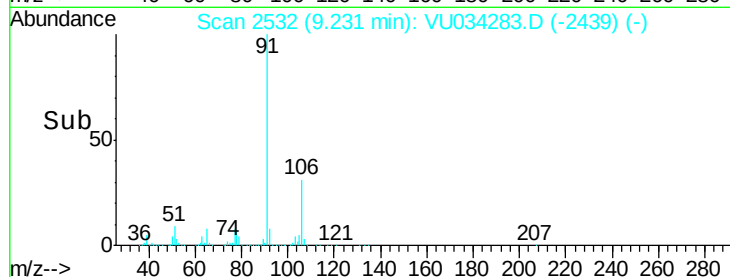
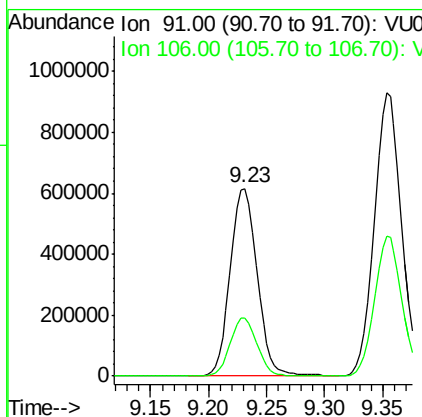
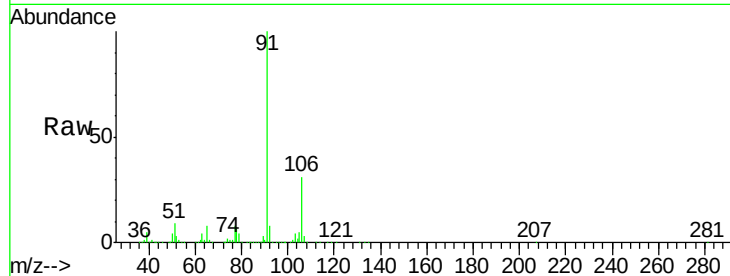
#67
Ethyl Benzene
Concen: 51.435 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.8	37.2

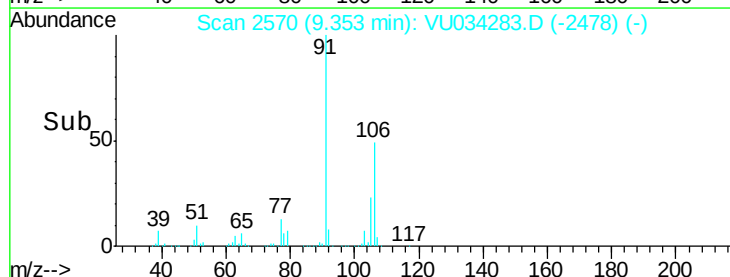
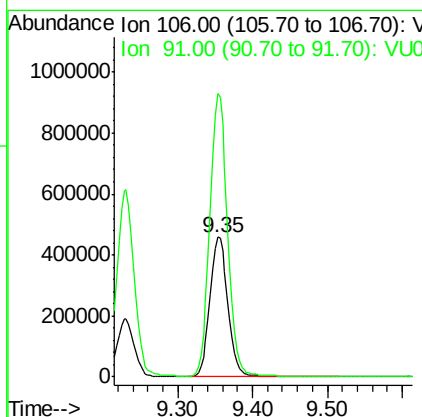
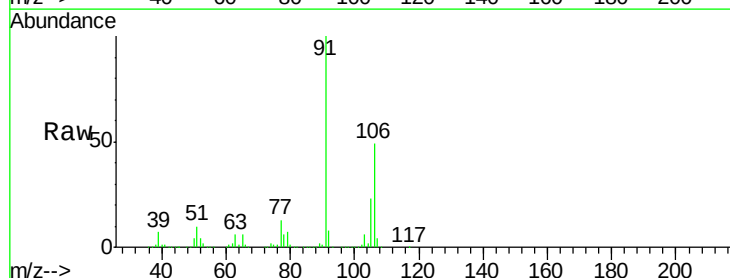
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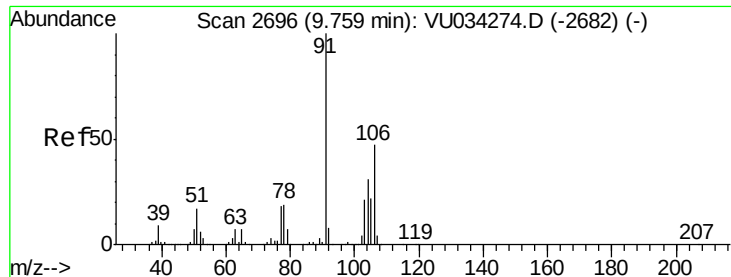
MMDadoda
9/6/2019 3:22:01 PM



#68
m/p-Xylenes
Concen: 105.012 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.3	160.1	240.1





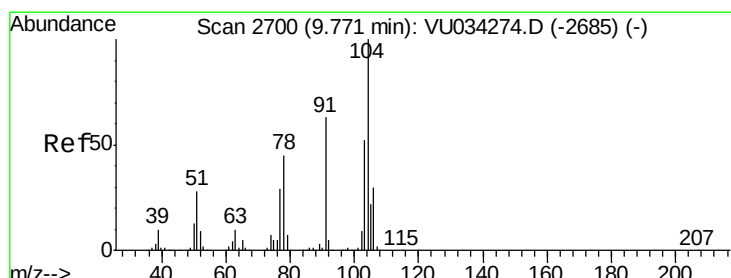
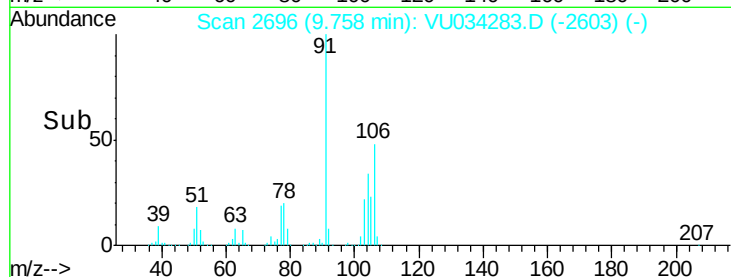
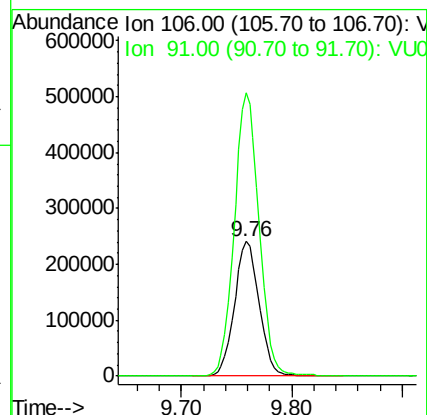
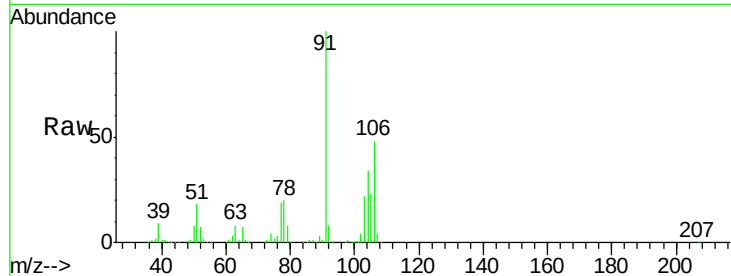
#69
o-Xylene
Concen: 52.395 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	374560		
91	91	210.7	105.1	315.3	

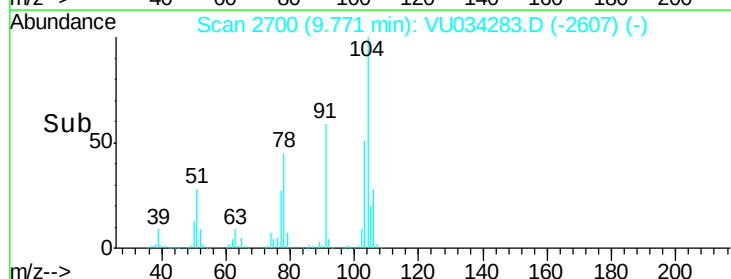
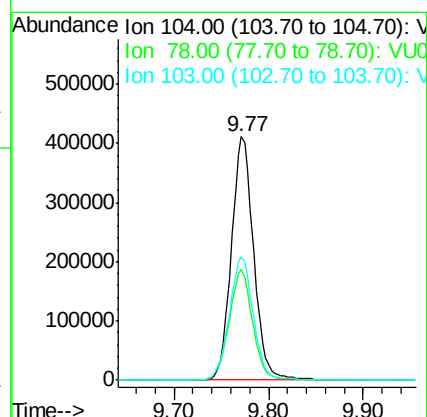
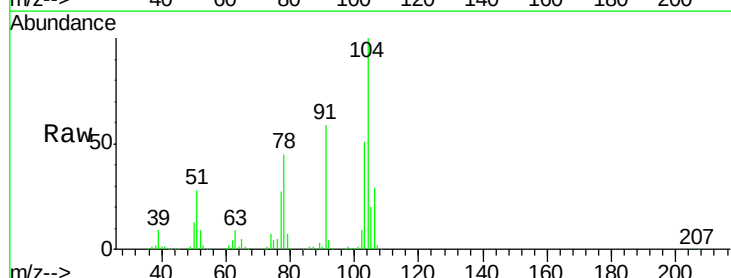
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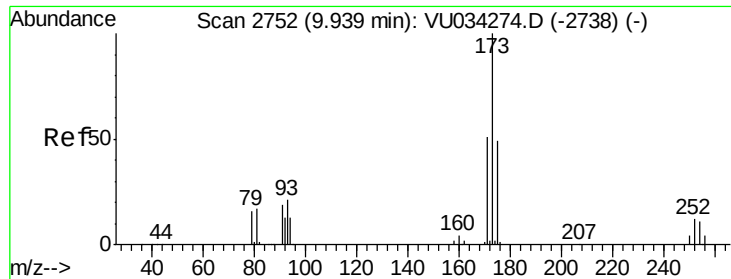
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#70
Styrene
Concen: 53.807 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	674392		
78	78	47.9	38.6	57.8	
103	103	54.3	44.2	66.4	





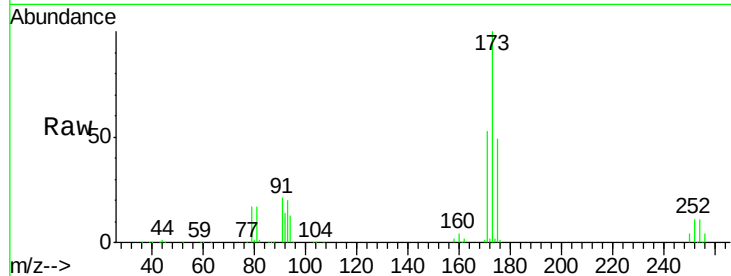
#71
Bromoform
Concen: 49.882 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

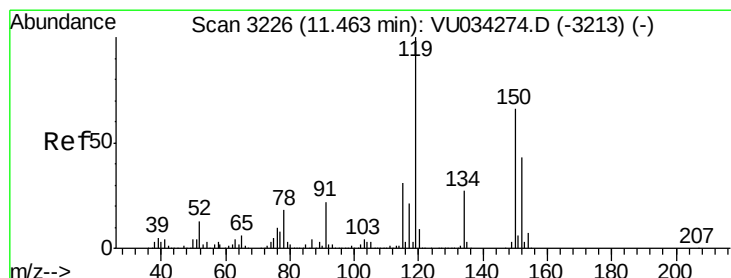
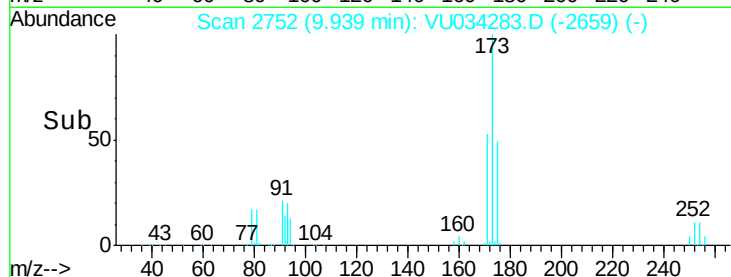
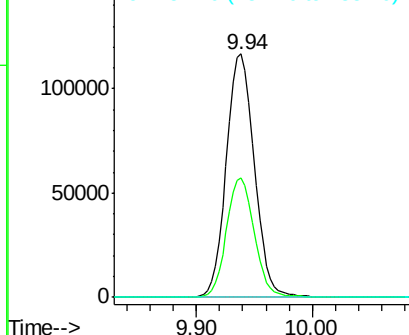
Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		195876		
175	48.7	24.4	73.2		
254	0.1	0.0	0.0#		

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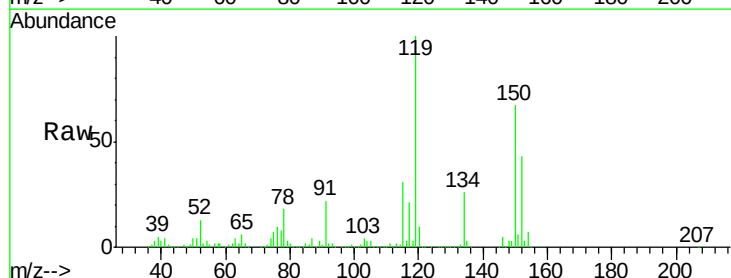


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

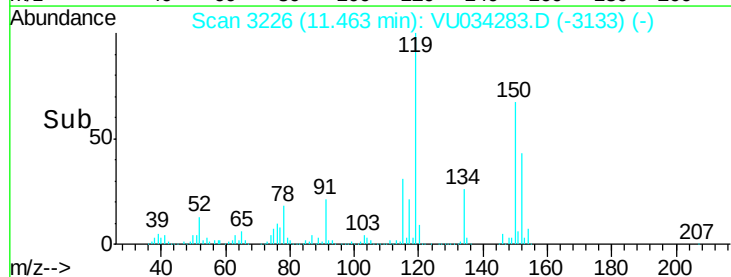
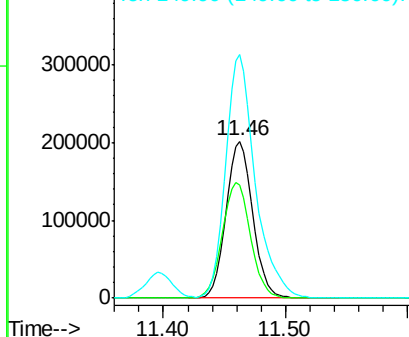


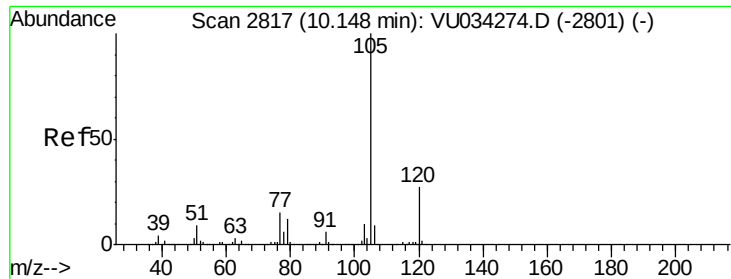
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		309577		
115	78.0	39.1	117.3		
150	171.7	0.0	345.4		



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: 50.973 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1026939

Ion Ratio Lower Upper

105 100

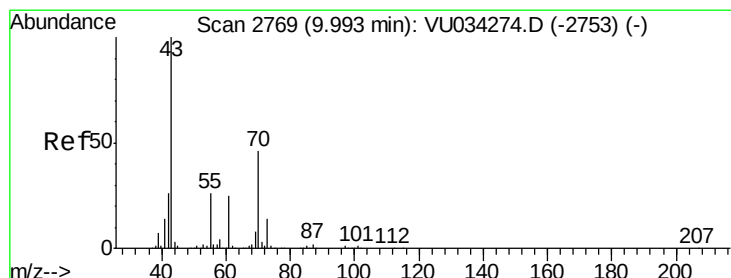
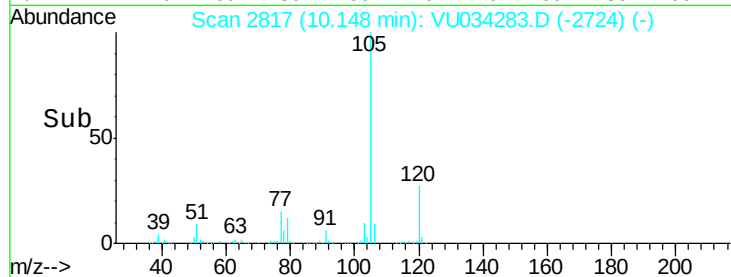
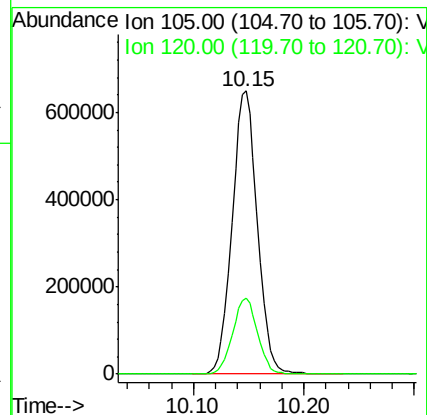
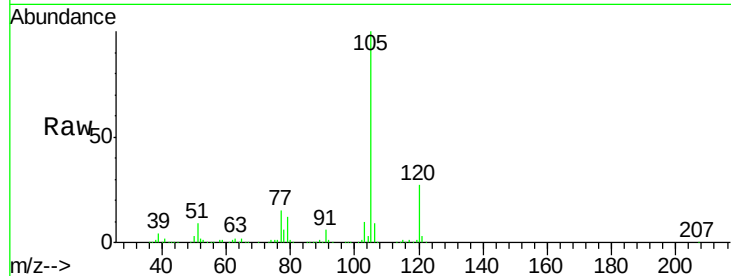
120 26.6 13.4 40.2

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#74

N-ethyl acetate

Concen: 55.546 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Tgt Ion: 43 Resp: 450456

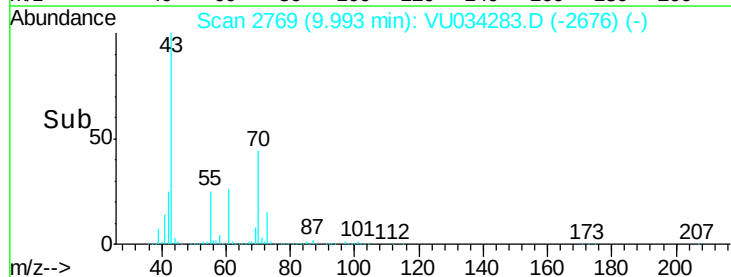
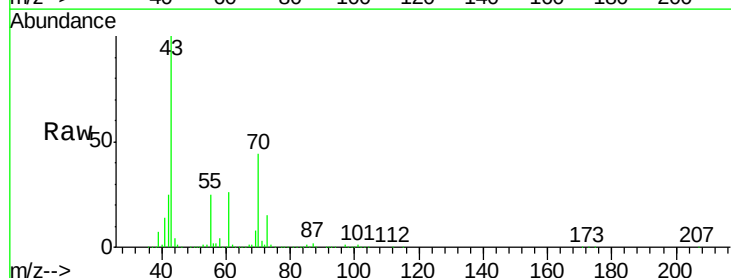
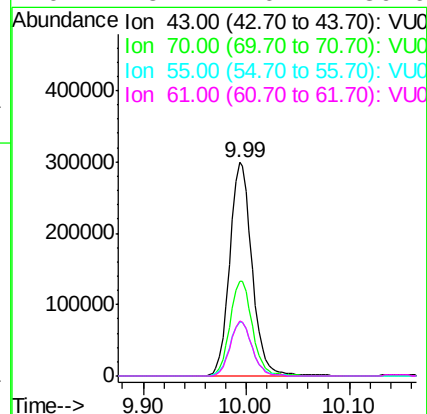
Ion Ratio Lower Upper

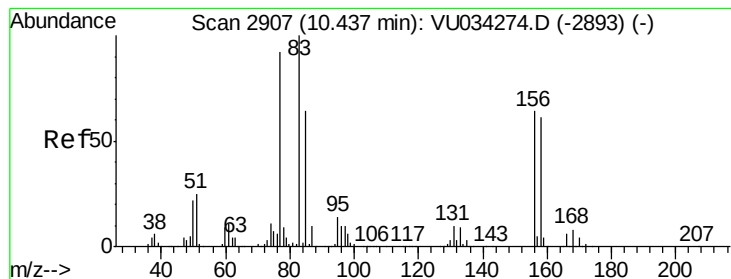
43 100

70 45.0 36.4 54.6

55 25.8 21.2 31.8

61 25.4 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.826 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

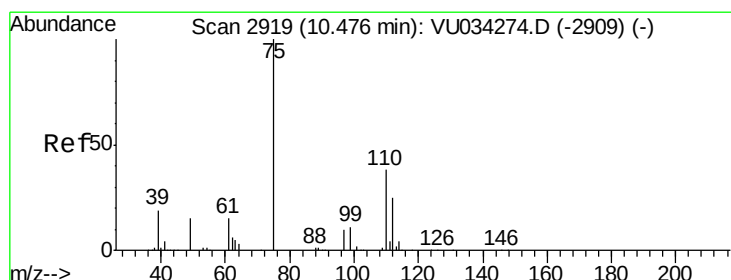
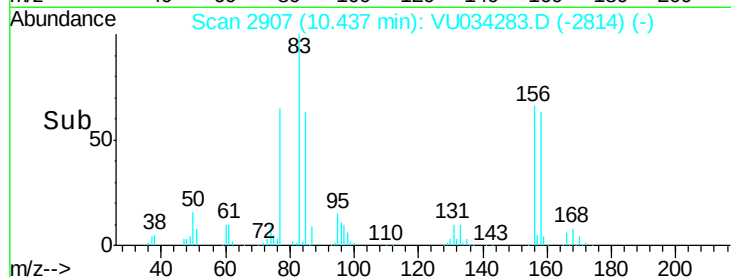
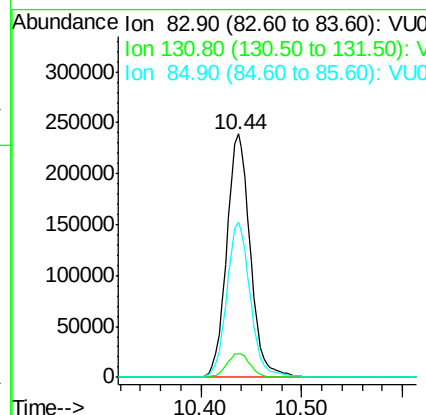
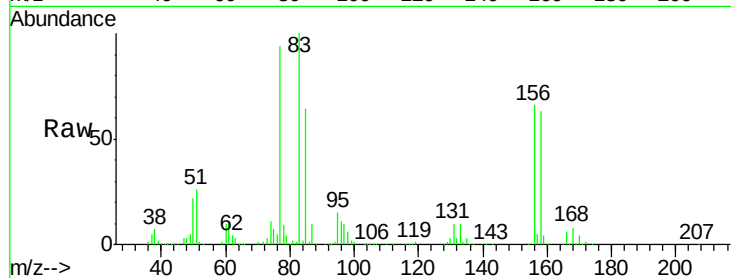
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	390014
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.2
85	63.6	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 48.066 ug/l m

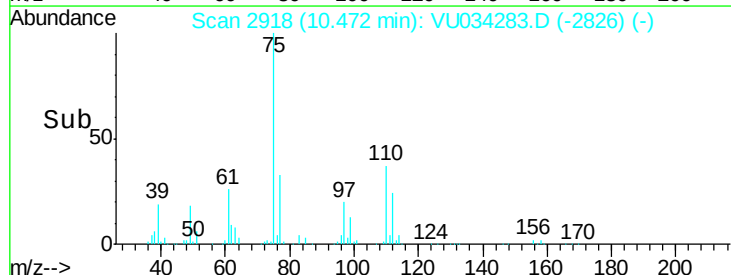
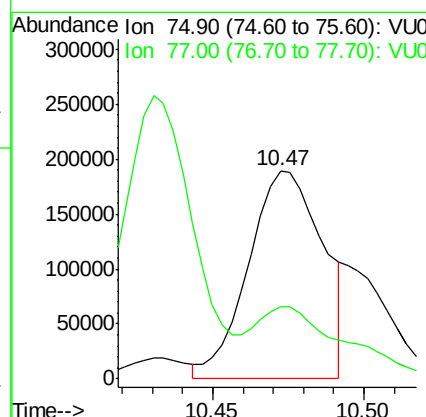
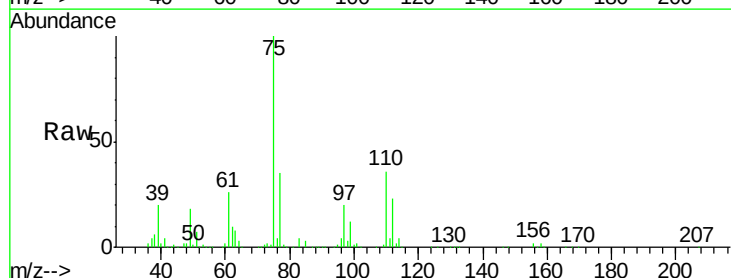
RT: 10.47 min Scan# 2918

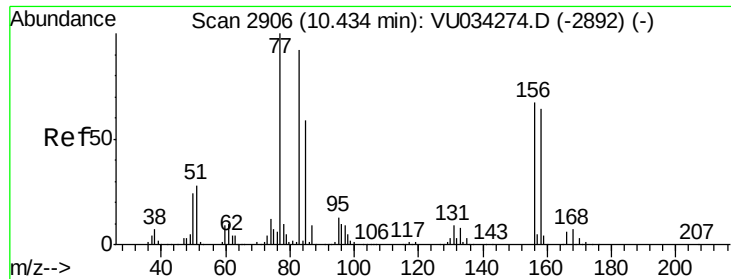
Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Tgt Ion:	75	Resp:	324804
Ion Ratio	Lower	Upper	
75	100		
77	41.6	20.8	62.2





#77

Bromobenzene

Concen: 49.687 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

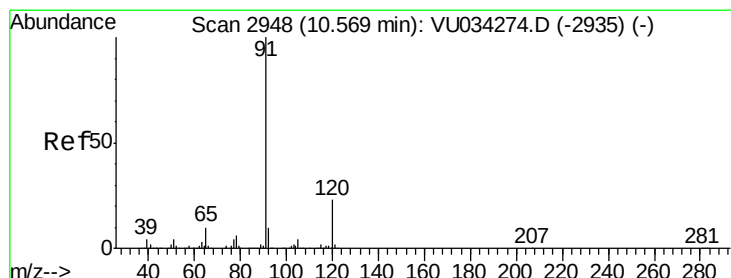
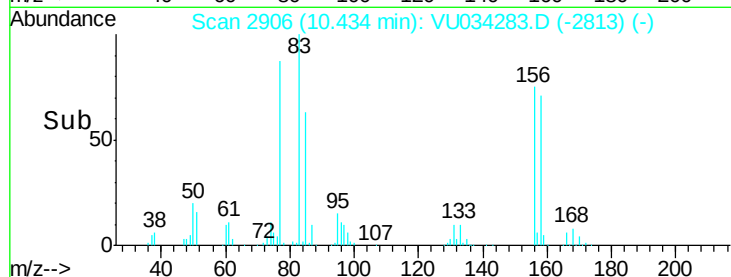
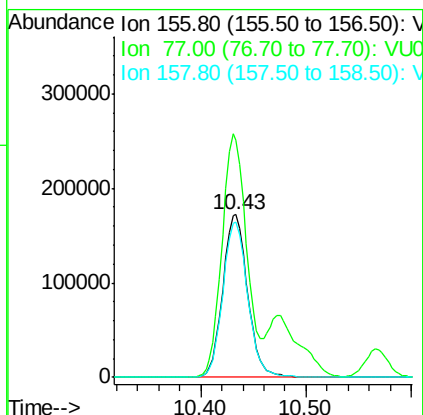
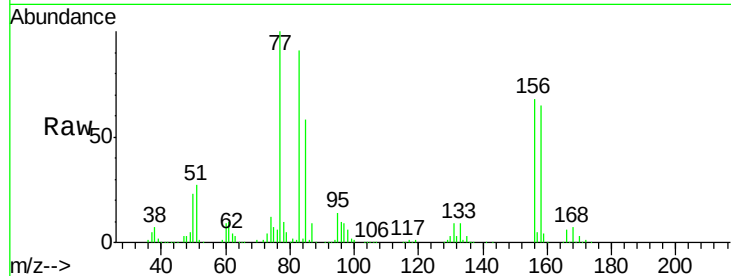
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	279896
Ion Ratio	Lower	Upper	
156	100		
77	150.7	75.6	226.9
158	96.1	48.2	144.6

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#78

n-propylbenzene

Concen: 51.610 ug/l

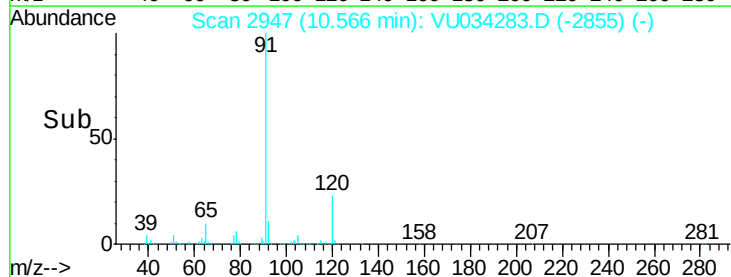
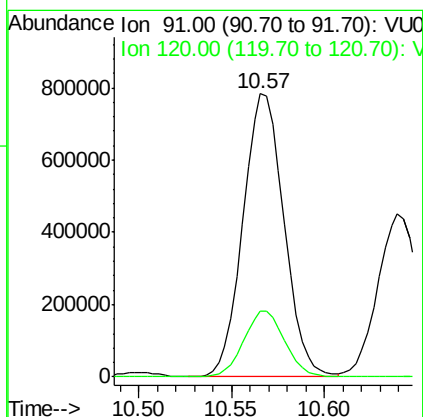
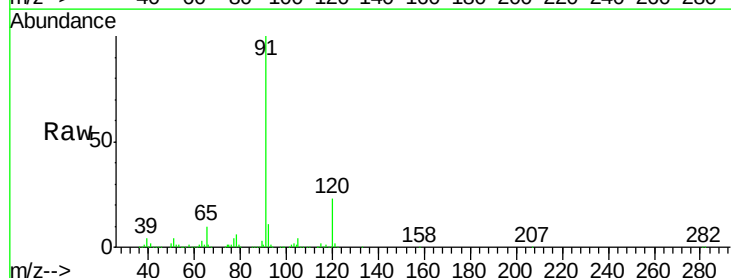
RT: 10.57 min Scan# 2947

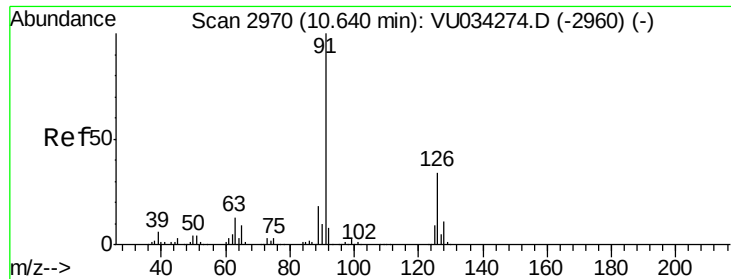
Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Tgt Ion:	91	Resp:	1200821
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.0





#79

2-Chlorotoluene

Concen: 49.821 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 707297

Ion Ratio Lower Upper

91 100

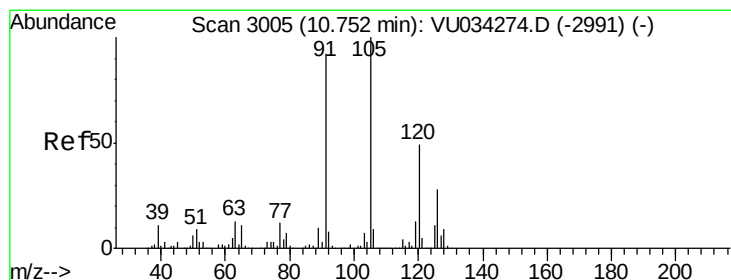
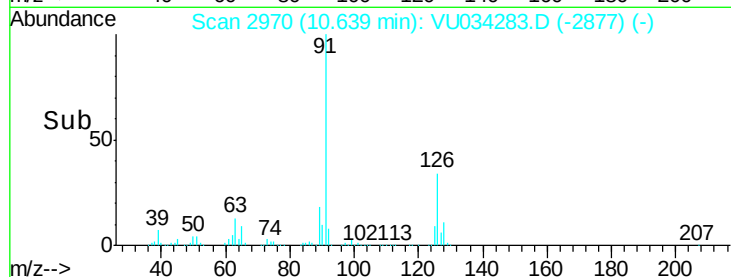
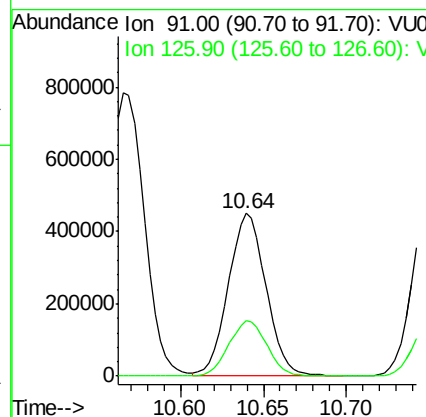
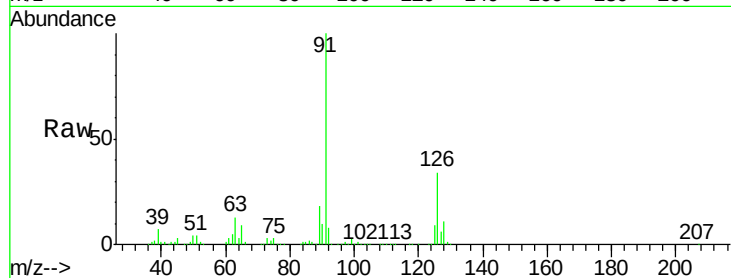
126 34.8 17.3 51.9

Manual Integrations

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9/6/2019 3:22:01 PM



#80

1,3,5-Trimethylbenzene

Concen: 53.378 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034283.D

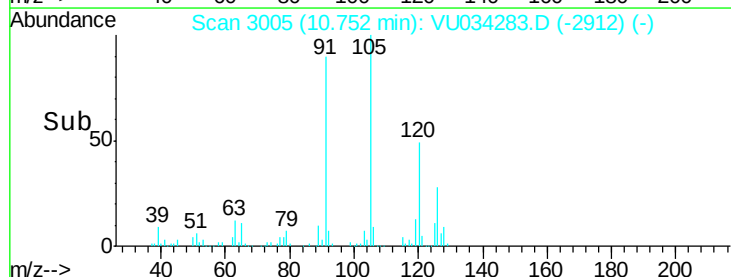
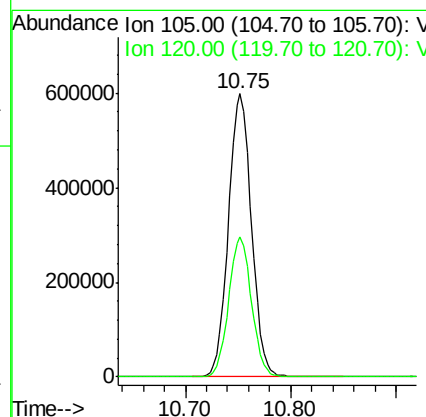
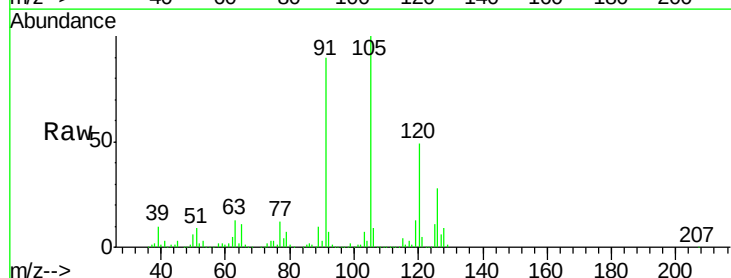
Acq: 05 Sep 2019 14:59

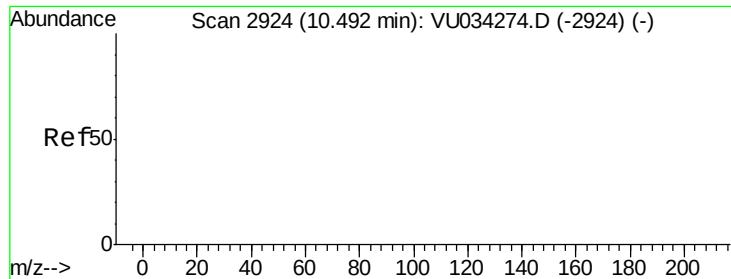
Tgt Ion: 105 Resp: 899386

Ion Ratio Lower Upper

105 100

120 49.2 24.9 74.7





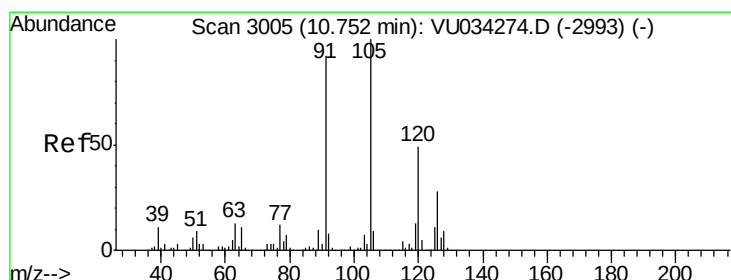
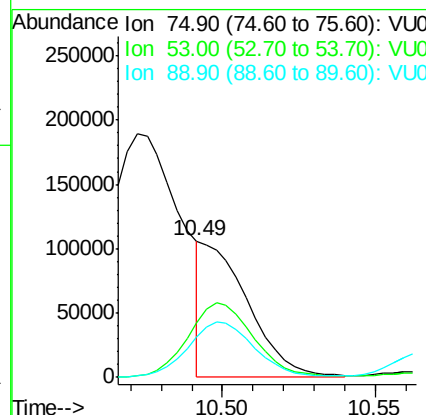
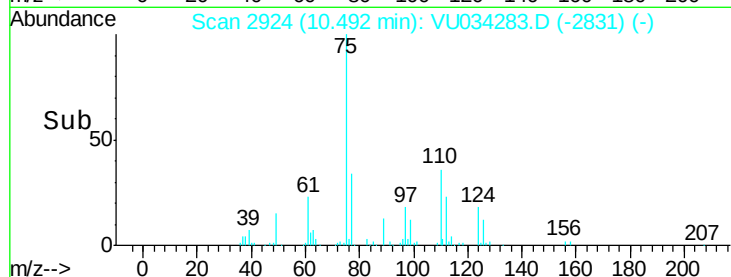
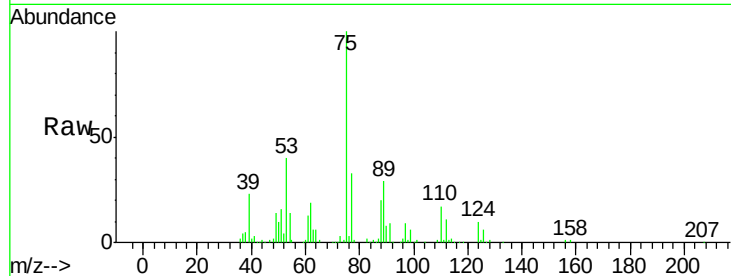
#81
trans-1,4-Dichloro-2-butene
Concen: 54.474 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

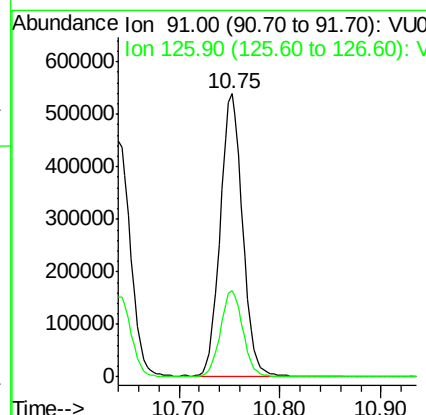
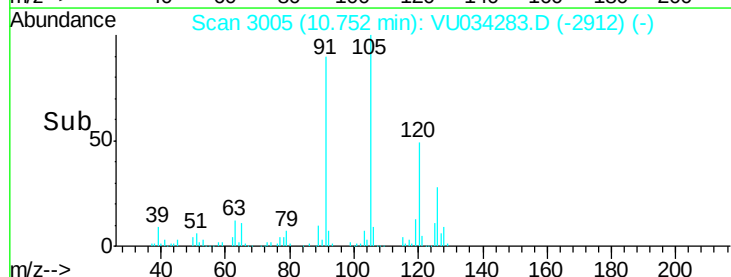
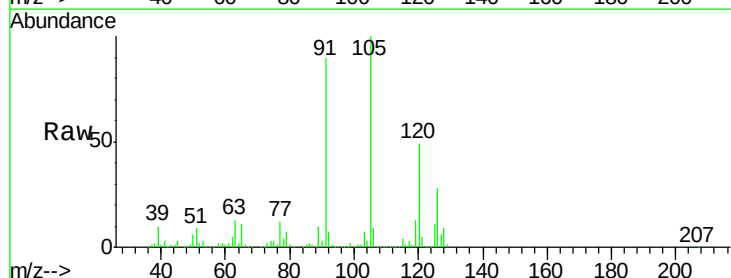
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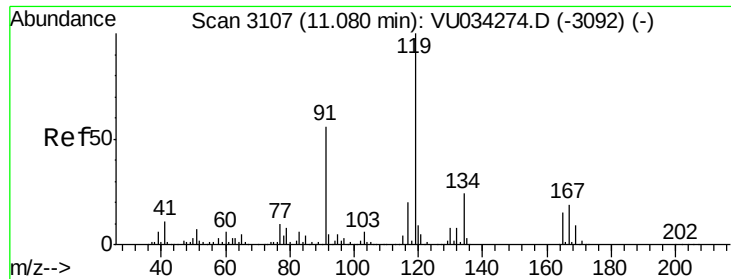
MMDadoda
9/6/2019 3:22:01 PM



#82
4-Chlorotoluene
Concen: 50.897 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
126	30.6	15.3	45.8





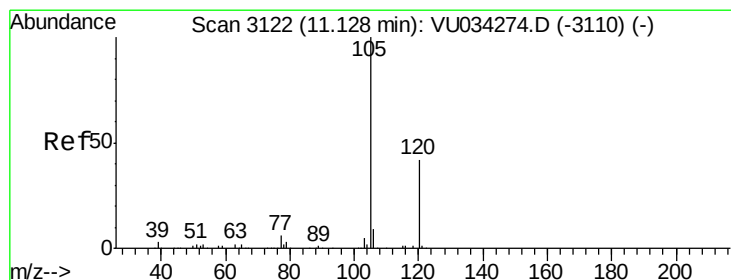
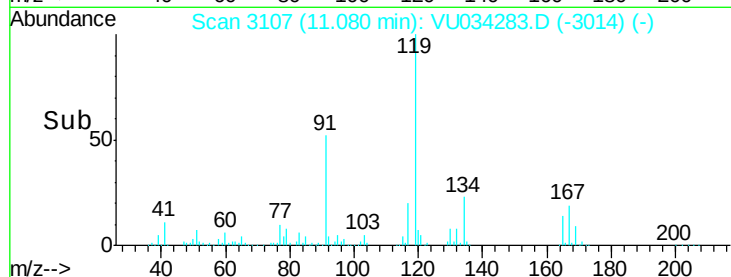
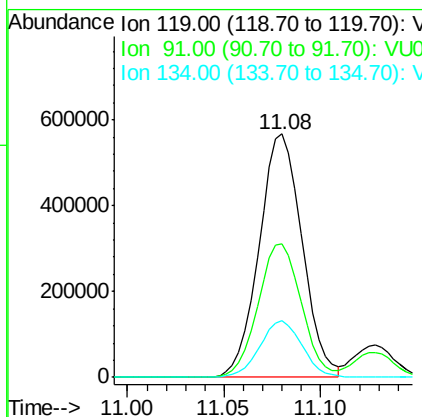
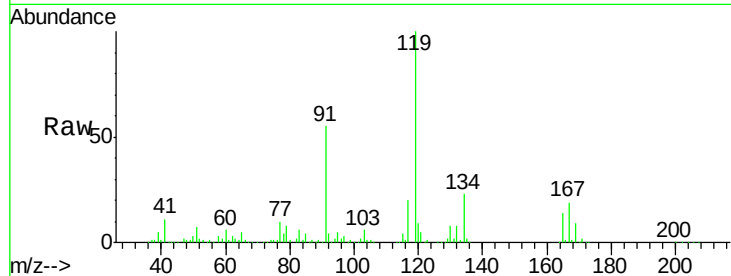
#83
 tert-Butylbenzene
 Concen: 52.024 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.2	27.8	83.4
134	22.8	11.7	35.0

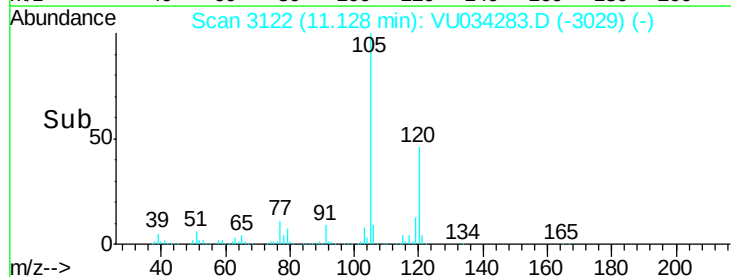
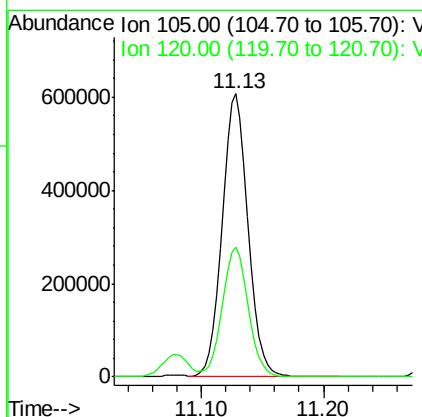
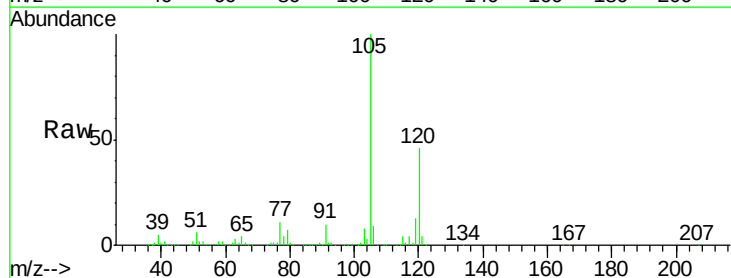
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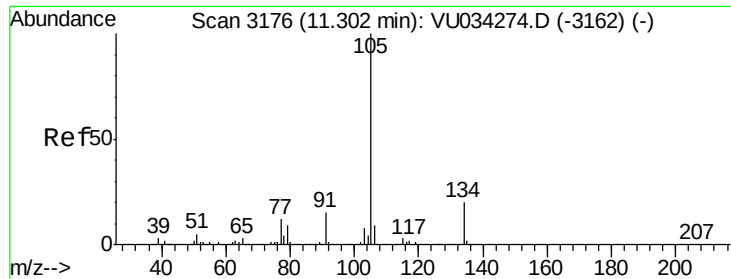
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.181 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.9	68.8





#85

sec-Butylbenzene

Concen: 52.742 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1049531

Ion Ratio Lower Upper

105 100

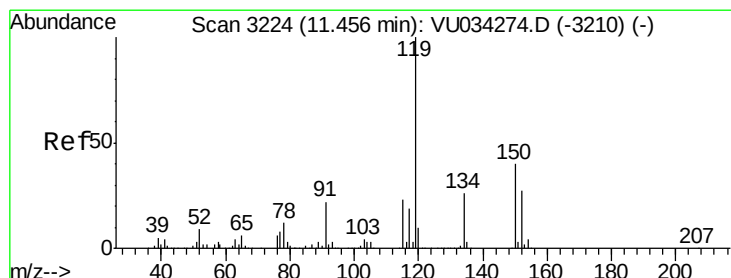
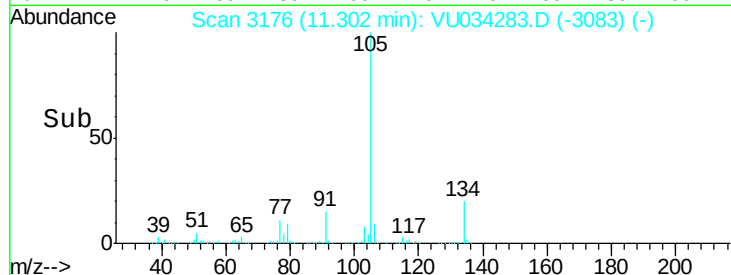
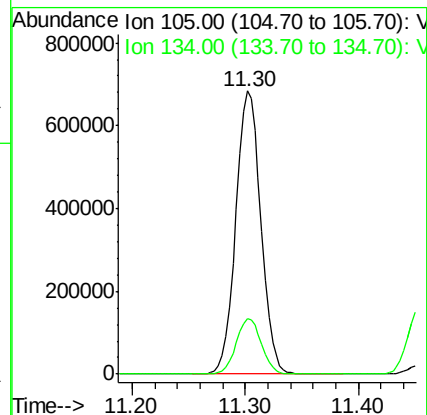
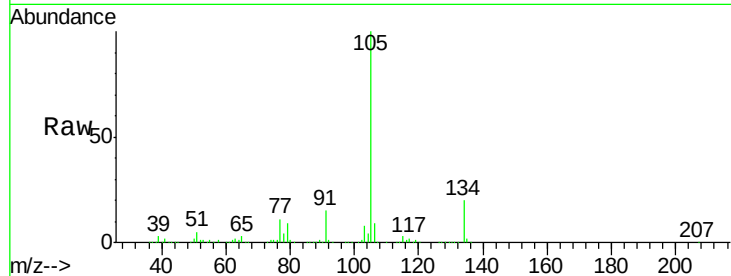
134 19.8 10.1 30.3

Manual Integrations

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9/6/2019 3:22:01 PM



#86

p-Isopropyltoluene

Concen: 52.925 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

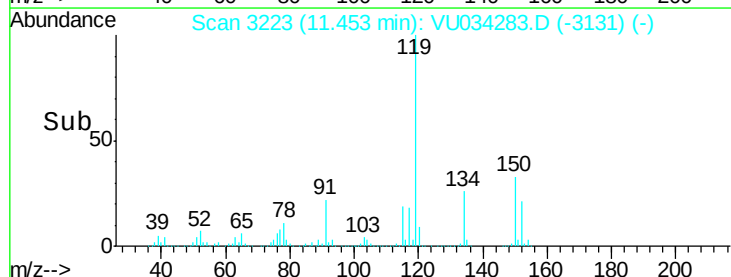
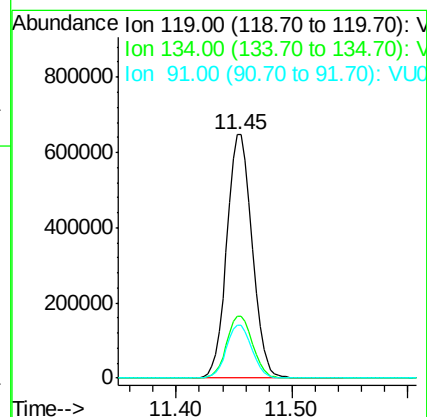
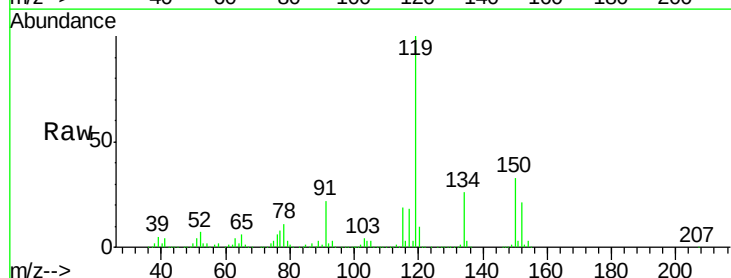
Tgt Ion:119 Resp: 972067

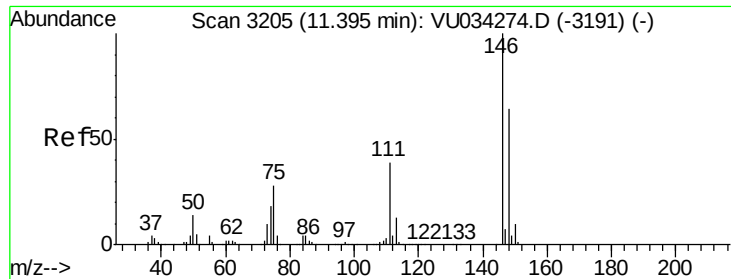
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 22.0 11.2 33.6





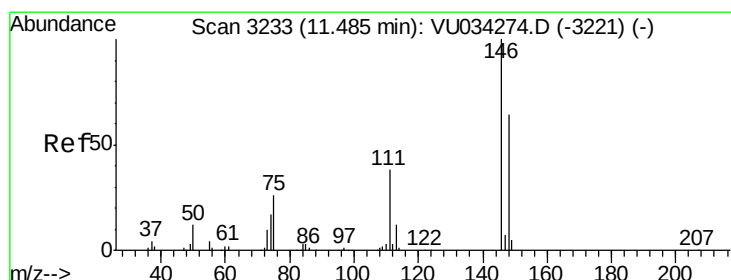
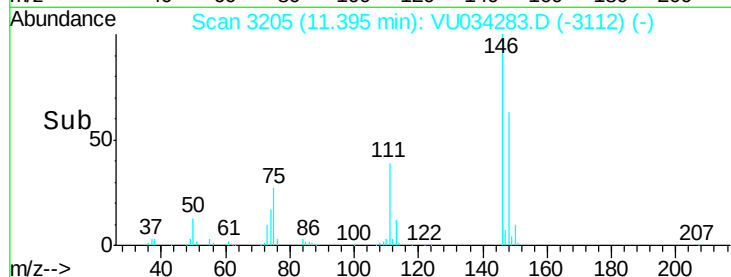
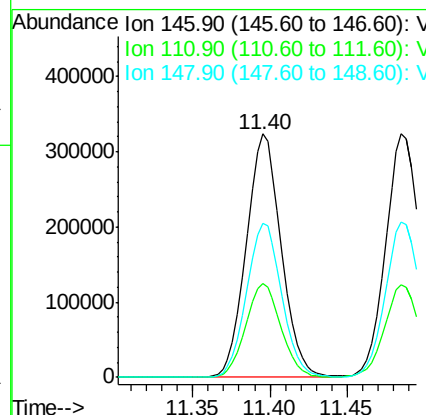
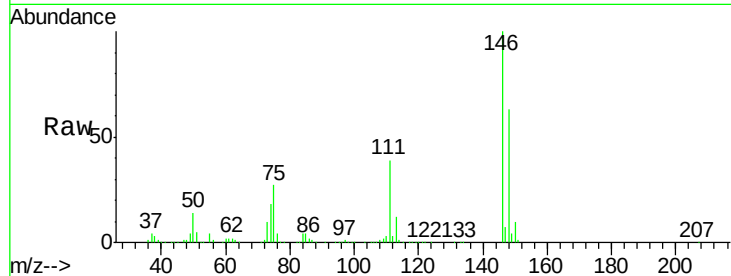
#87
 1,3-Dichlorobenzene
 Concen: 49.498 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	63.8	32.1	96.3

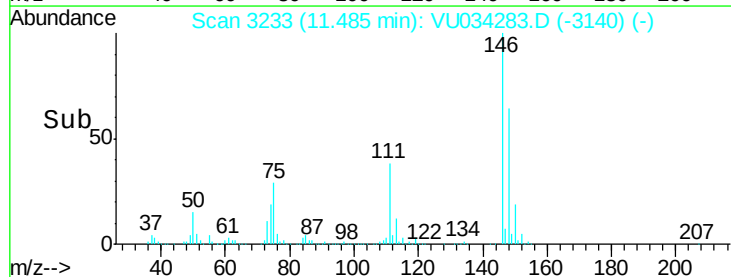
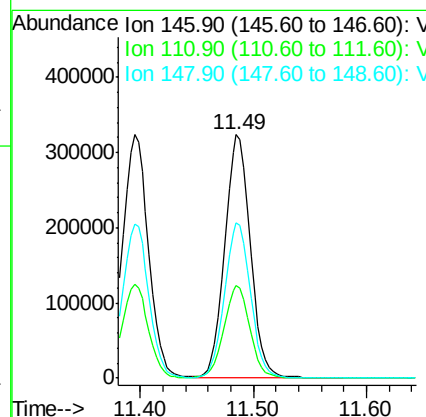
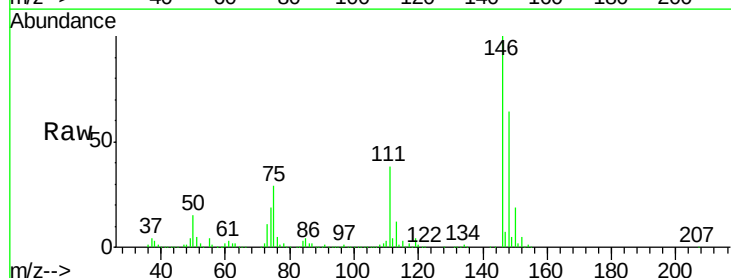
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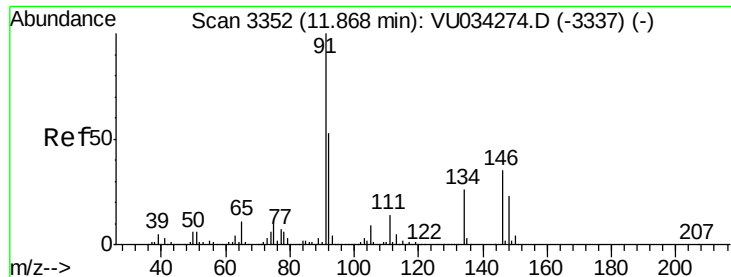
MMDadoda
 9/6/2019 3:22:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.255 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.3
148	64.4	32.0	96.0





#89

n-Butylbenzene

Concen: 55.021 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Instrument :

MSVOA_U

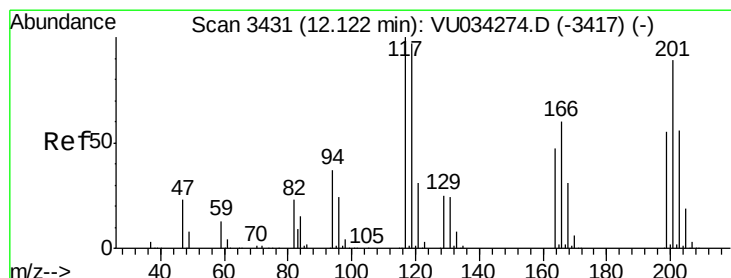
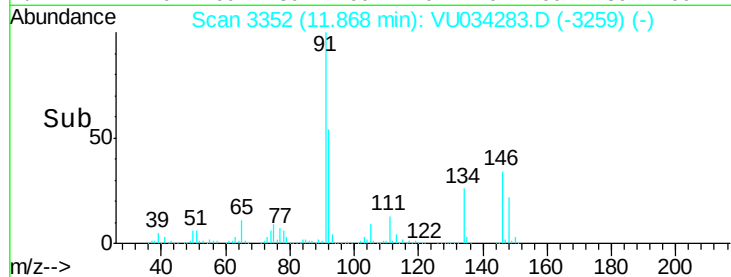
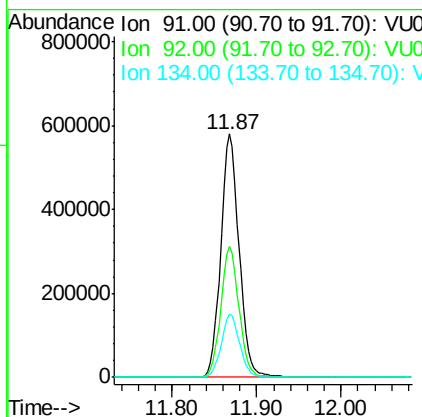
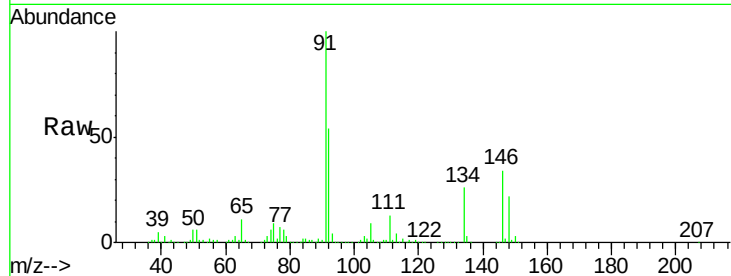
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	878206
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.5	79.4
134	26.1	13.2	39.6

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#90

Hexachloroethane

Concen: 51.012 ug/l

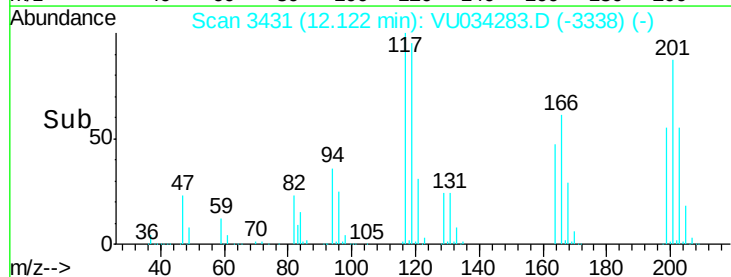
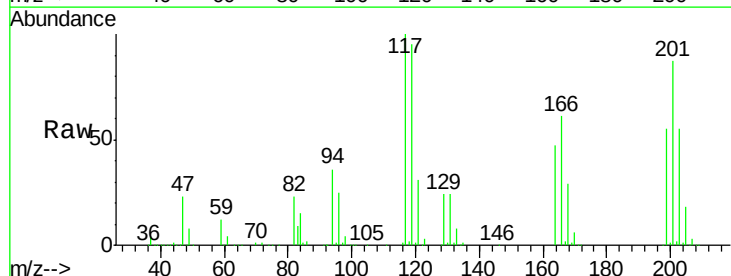
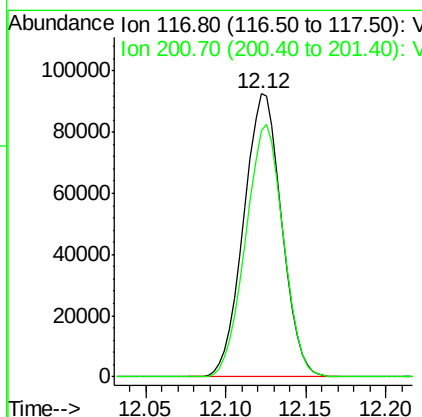
RT: 12.12 min Scan# 3431

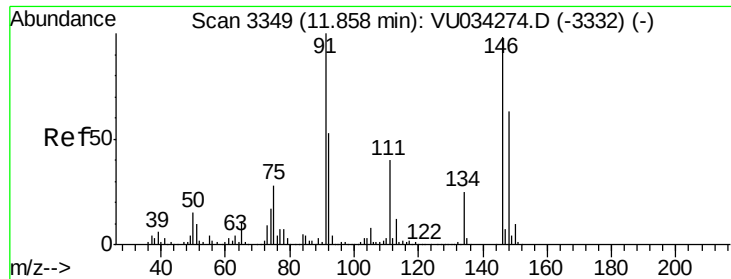
Delta R.T. -0.00 min

Lab File: VU034283.D

Acq: 05 Sep 2019 14:59

Tgt Ion:	117	Resp:	149899
Ion	Ratio	Lower	Upper
117	100		
201	88.4	44.1	132.4





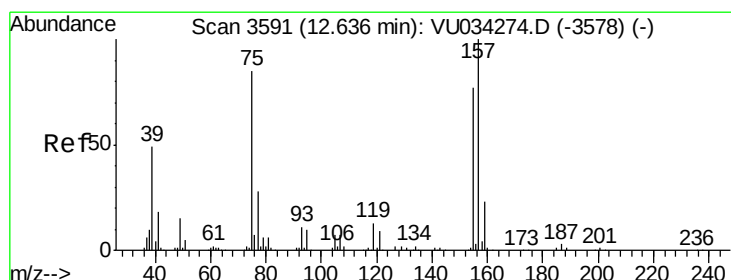
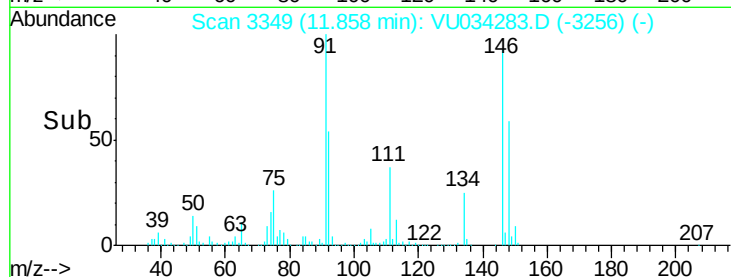
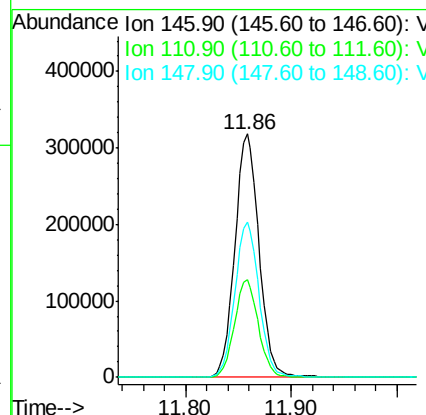
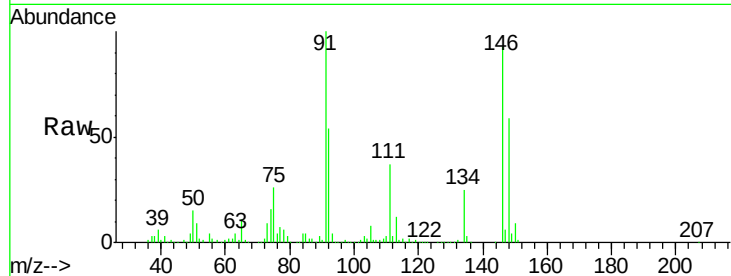
#91
 1,2-Dichlorobenzene
 Concen: 49.667 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	64.2	31.6	94.8

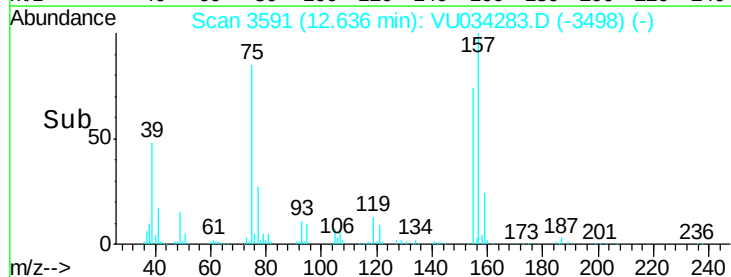
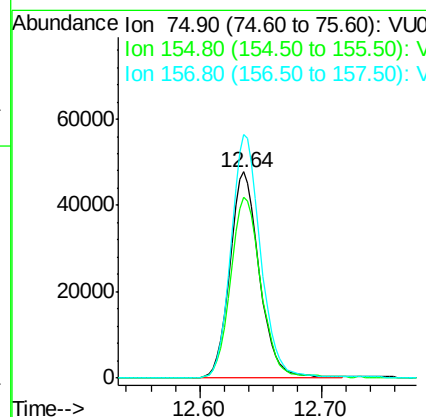
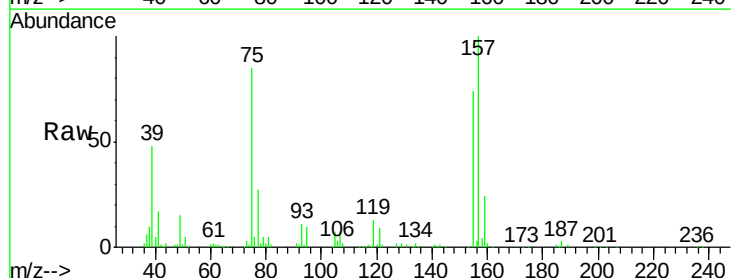
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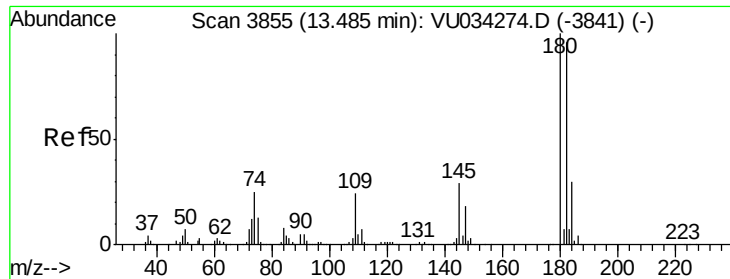
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.086 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	44.6	134.0
157	118.5	58.2	174.6





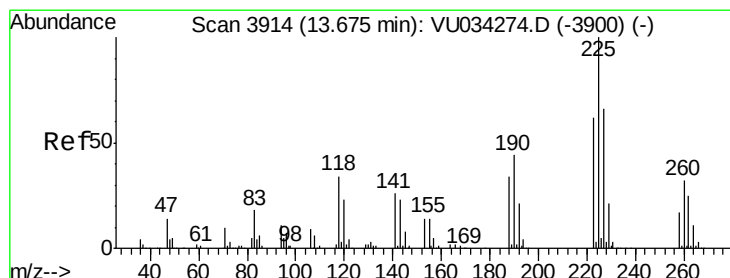
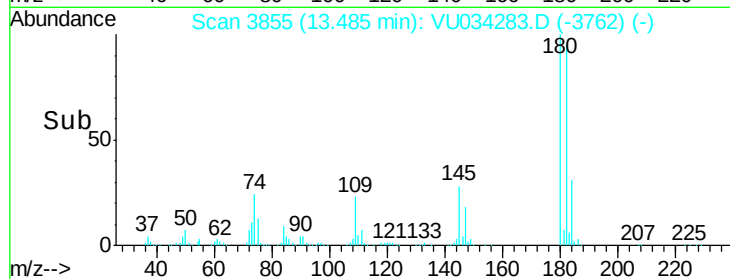
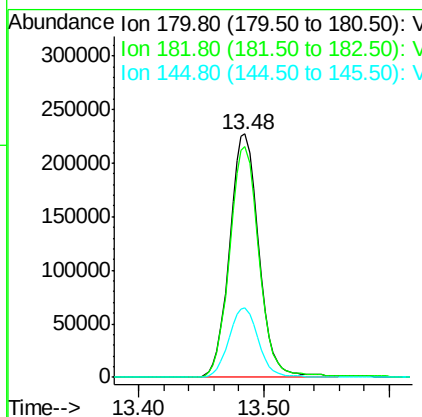
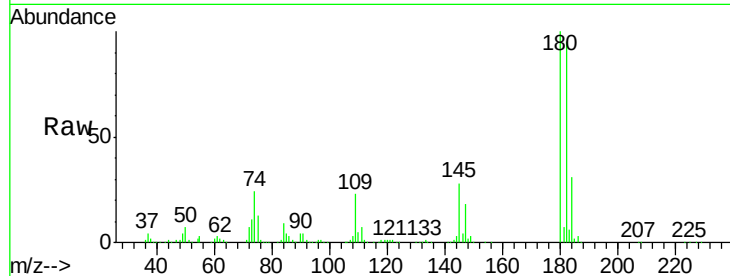
#93
 1,2,4-Trichlorobenzene
 Concen: 50.204 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	367946		
182	96.2	47.9	143.8	
145	28.9	14.4	43.0	

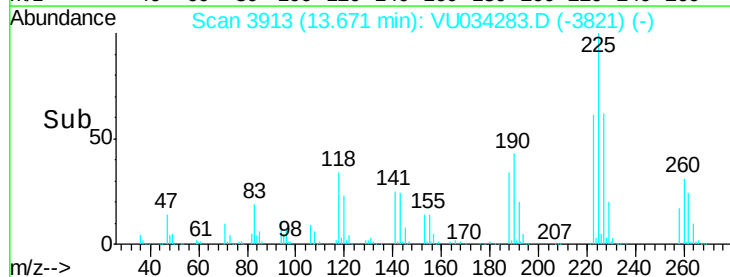
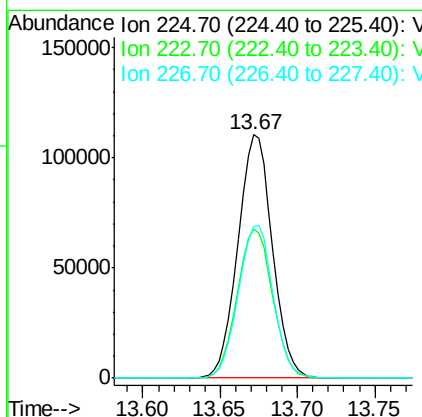
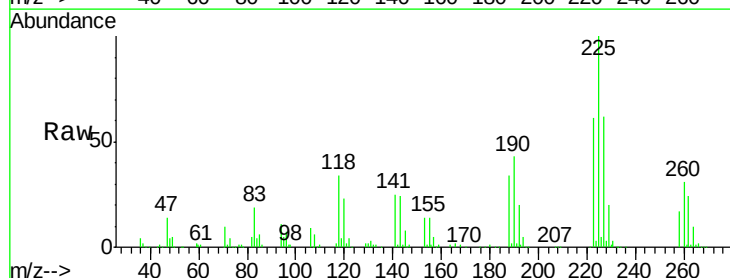
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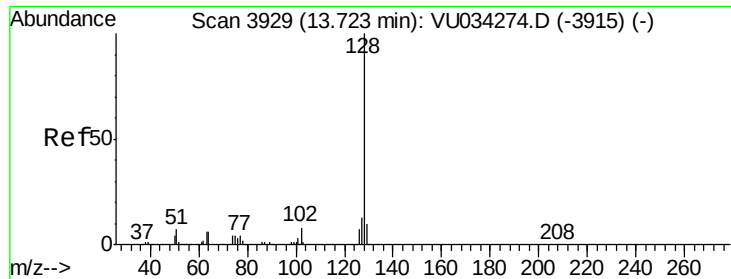
MMDadoda
 9/6/2019 3:22:01 PM



#94
 Hexachlorobutadiene
 Concen: 48.513 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034283.D
 Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	171436		
223	62.9	31.6	94.7	
227	63.3	32.3	96.8	





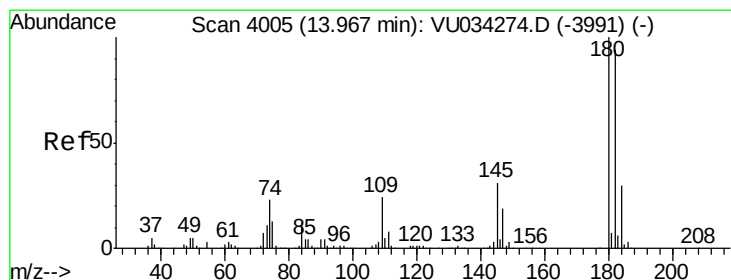
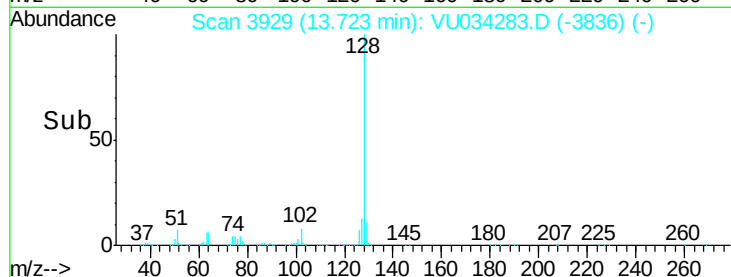
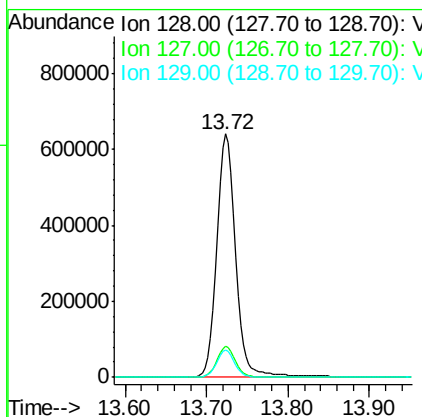
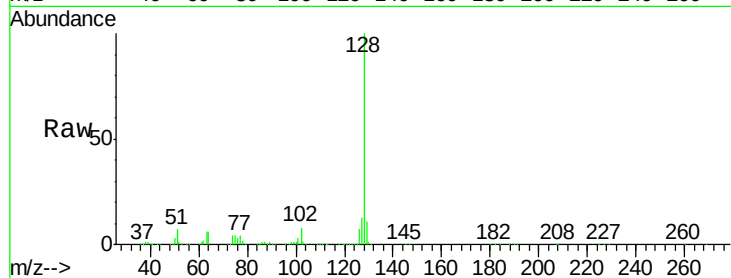
#95
Naphthalene
Concen: 51.171 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	10.4	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:22:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.386 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034283.D
Acq: 05 Sep 2019 14:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.4	145.0
145	30.8	15.4	46.4

