

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\
 Data File : VU034547.D
 Acq On : 13 Sep 2019 01:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:15:44 AM

Quant Time: Sep 13 08:33:25 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	228714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	334103	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	333205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	228242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	185036	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
35) Dibromofluoromethane	4.86	113	168883	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	
50) Toluene-d8	7.54	98	626625	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
62) 4-Bromofluorobenzene	10.29	95	245772	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	120189	50.246	ug/l	99
3) Chloromethane	1.32	50	139805	54.105	ug/l	97
4) Vinyl Chloride	1.40	62	150285	50.419	ug/l	98
5) Bromomethane	1.61	94	93536	62.930	ug/l	99
6) Chloroethane	1.68	64	96820	56.006	ug/l	96
7) Trichlorofluoromethane	1.87	101	217658	54.460	ug/l	100
8) Diethyl Ether	2.09	74	99100	56.371	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	143967	54.387	ug/l	99
10) Methyl Iodide	2.40	142	134662	55.173	ug/l	99
11) Tert butyl alcohol	2.81	59	237916	325.431	ug/l	98
12) 1,1-Dichloroethene	2.27	96	135914	54.619	ug/l	95
13) Acrolein	2.18	56	130663	212.645	ug/l	100
14) Allyl chloride	2.58	41	252825m	53.144	ug/l	
15) Acrylonitrile	2.92	53	535781	294.295	ug/l	98
16) Acetone	2.31	43	433084	241.839	ug/l	100
17) Carbon Disulfide	2.46	76	251755	45.014	ug/l	100
18) Methyl Acetate	2.60	43	245939	56.441	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	549943	60.632	ug/l	98
20) Methylene Chloride	2.68	84	175665	59.968	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	141540	53.975	ug/l	97
22) Diisopropyl ether	3.55	45	555768	59.904	ug/l	99
23) Vinyl Acetate	3.50	43	2255823	298.501	ug/l	99
24) 1,1-Dichloroethane	3.42	63	311772	56.271	ug/l	99
25) 2-Butanone	4.24	43	697261	291.683	ug/l	99
26) 2,2-Dichloropropane	4.20	77	202453	45.433	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	187458	58.859	ug/l	96
28) Bromochloromethane	4.52	49	149543	58.681	ug/l	98
29) Tetrahydrofuran	4.61	42	437506	300.770	ug/l	100
30) Chloroform	4.65	83	317467	56.371	ug/l	99
31) Cyclohexane	4.97	56	209961	51.799	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	257655	57.222	ug/l	98
36) 1,1-Dichloropropene	5.12	75	197584	54.530	ug/l	99
37) Ethyl Acetate	4.36	43	249482	58.236	ug/l	99
38) Carbon Tetrachloride	5.11	117	221443	57.238	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	206785	53.386	ug/l	98
40) Benzene	5.37	78	660689	56.509	ug/l	99
41) Methacrylonitrile	4.52	41	141211	61.882	ug/l	100
42) 1,2-Dichloroethane	5.38	62	231306	56.982	ug/l	100
43) Isopropyl Acetate	5.53	43	400436	59.918	ug/l	99
44) Trichloroethene	6.16	130	183557	56.735	ug/l	99
45) 1,2-Dichloropropane	6.41	63	196771	57.569	ug/l	98
46) Dibromomethane	6.54	93	123524	57.574	ug/l	98
47) Bromodichloromethane	6.73	83	255321	57.813	ug/l	98
48) Methyl methacrylate	6.60	41	187220	58.983	ug/l	98
49) 1,4-Dioxane	6.59	88	89748	1294.838	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1401046	302.866	ug/l	99
52) Toluene	7.62	92	426202	58.111	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	263267	57.506	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	290139	57.744	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	195983	58.848	ug/l	99
56) Ethyl methacrylate	8.00	69	286369	56.192	ug/l	99
57) 1,3-Dichloropropane	8.22	76	317465	58.541	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	428441	250.266	ug/l	100
59) 2-Hexanone	8.34	43	1053128	304.739	ug/l	100
60) Dibromochloromethane	8.45	129	221718	62.069	ug/l	99
61) 1,2-Dibromoethane	8.57	107	191555	58.766	ug/l	99
64) Tetrachloroethene	8.21	164	169183	58.526	ug/l	98
65) Chlorobenzene	9.10	112	499284	59.062	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	192295	59.605	ug/l	100
67) Ethyl Benzene	9.23	91	828552	59.944	ug/l	99
68) m/p-Xylenes	9.35	106	650666	125.012	ug/l	99
69) o-Xylene	9.76	106	318519	62.576	ug/l	99
70) Styrene	9.77	104	580036	64.995	ug/l	99
71) Bromoform	9.94	173	172493	61.693	ug/l #	99
73) Isopropylbenzene	10.14	105	879780	59.231	ug/l	99
74) N-amyl acetate	9.99	43	365445	61.122	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	338628	56.322	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	289642m	58.136	ug/l	
77) Bromobenzene	10.43	156	240728	57.962	ug/l	98
78) n-propylbenzene	10.57	91	1006948	58.700	ug/l	100
79) 2-Chlorotoluene	10.64	91	612271	58.496	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	757833	61.005	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	68915m	46.518	ug/l	
82) 4-Chlorotoluene	10.75	91	710857	59.016	ug/l	100
83) tert-Butylbenzene	11.08	119	742806	59.772	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	764468	61.135	ug/l	100
85) sec-Butylbenzene	11.30	105	881380	60.075	ug/l	100
86) p-Isopropyltoluene	11.45	119	815211	60.201	ug/l	100
87) 1,3-Dichlorobenzene	11.39	146	436973	57.658	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	440293	55.699	ug/l	100
89) n-Butylbenzene	11.86	91	694102	58.983	ug/l	100
90) Hexachloroethane	12.12	117	122239	56.423	ug/l	98
91) 1,2-Dichlorobenzene	11.85	146	433029	58.139	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	67970	61.522	ug/l	97

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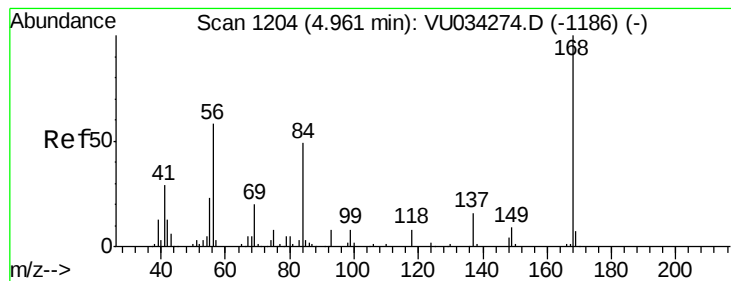
Manual Integrations
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MMDadoda
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QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	297809	54.777	ug/l	99
94) Hexachlorobutadiene	13.67	225	130962	50.266	ug/l	99
95) Naphthalene	13.72	128	861916	56.132	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	298488	56.828	ug/l	98

(#) = 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: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 228714

Ion Ratio Lower Upper

168 100

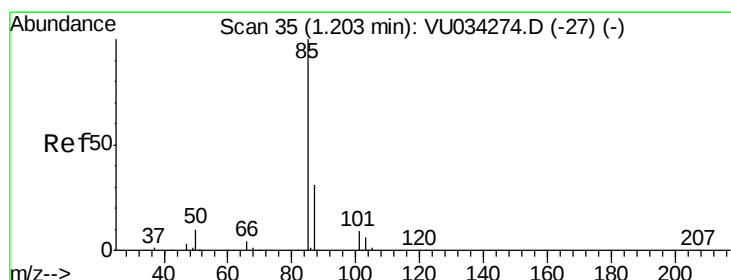
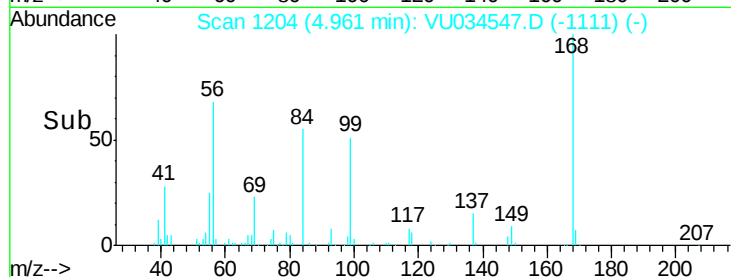
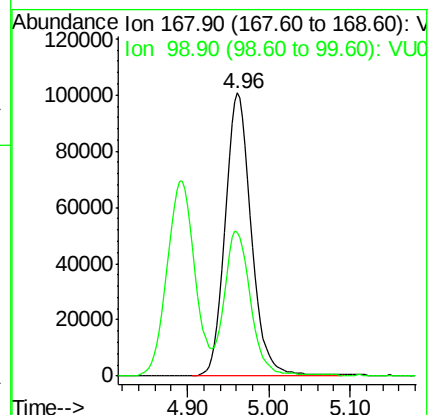
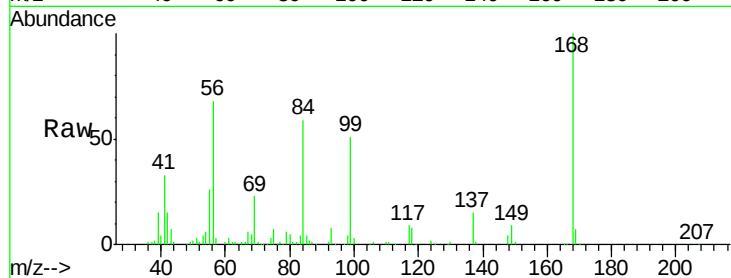
99 50.7 41.6 62.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 50.246 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034547.D

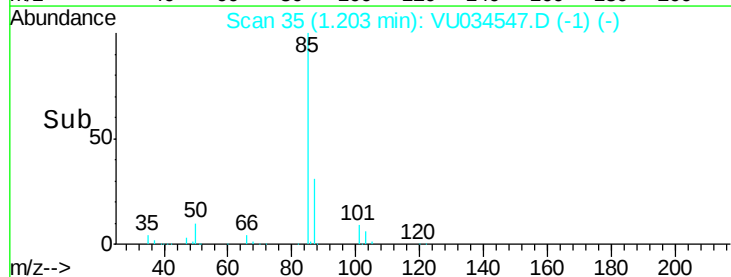
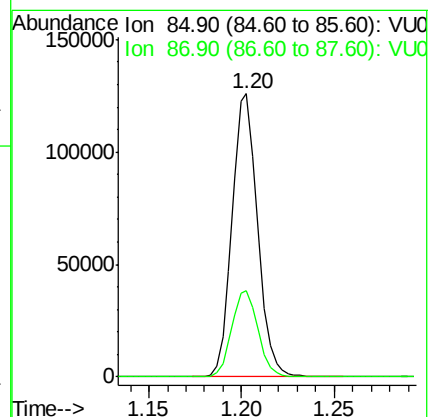
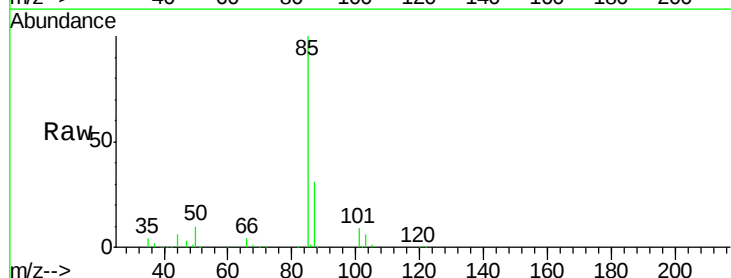
Acq: 13 Sep 2019 01:45

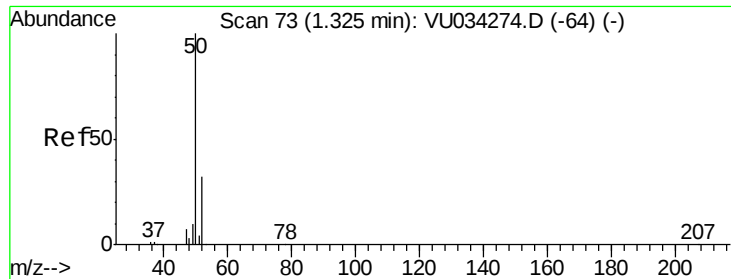
Tgt Ion: 85 Resp: 120189

Ion Ratio Lower Upper

85 100

87 30.6 15.7 47.0





#3

Chloromethane

Concen: 54.105 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 139805

Ion Ratio Lower Upper

50 100

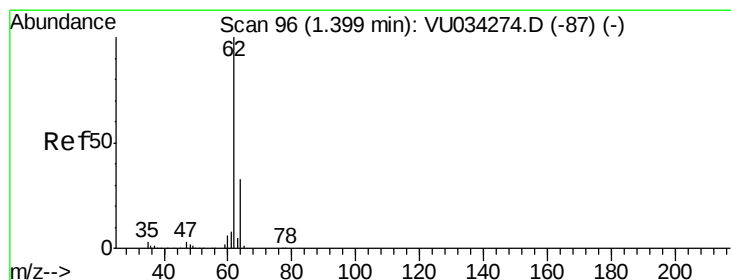
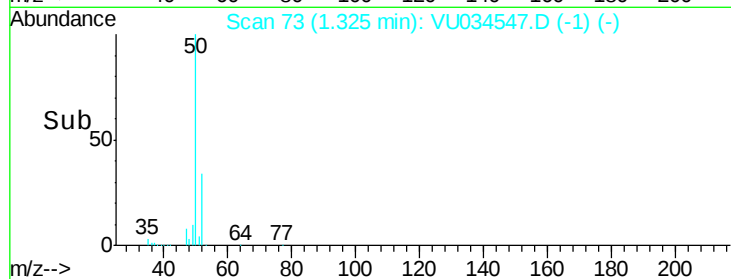
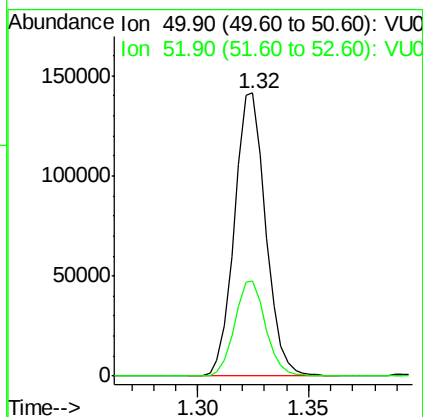
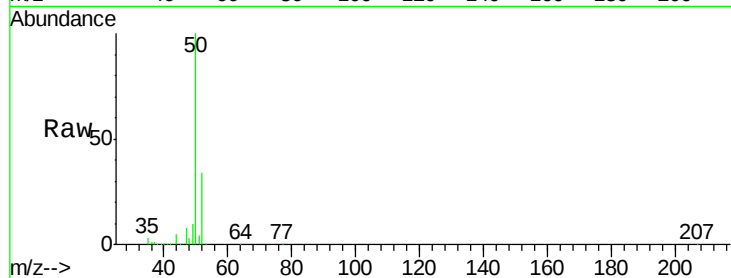
52 33.7 25.8 38.6

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 50.419 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034547.D

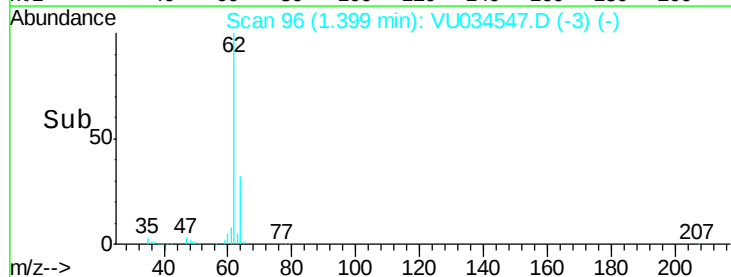
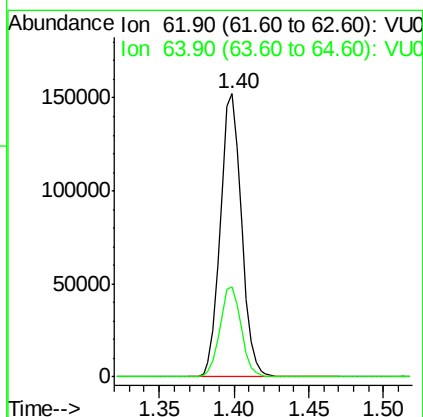
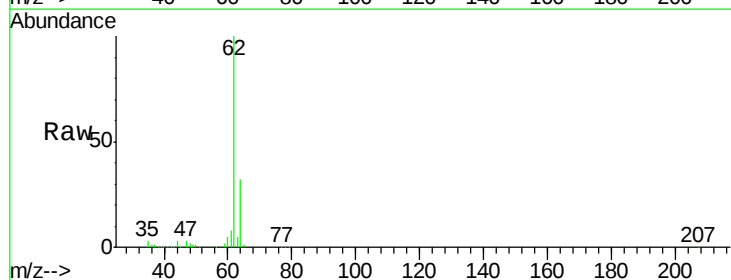
Acq: 13 Sep 2019 01:45

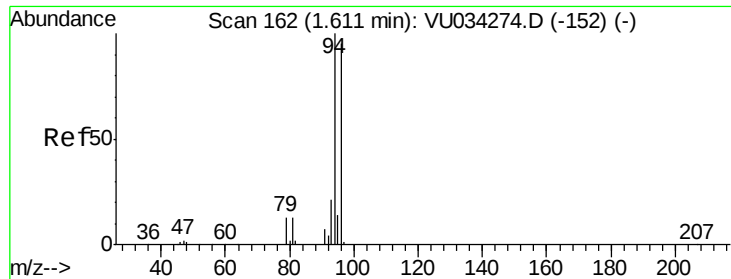
Tgt Ion: 62 Resp: 150285

Ion Ratio Lower Upper

62 100

64 31.8 26.2 39.4





#5

Bromomethane

Concen: 62.930 ug/l

RT: 1.61 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 93536

Ion Ratio Lower Upper

94 100

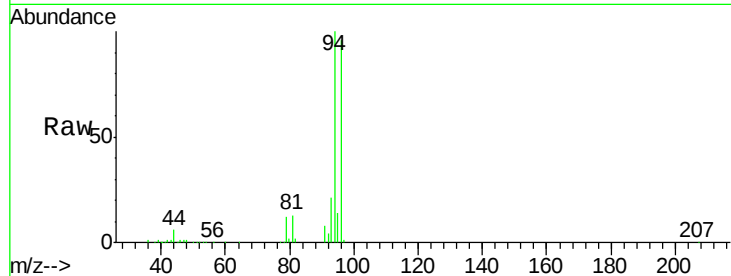
96 95.8 75.7 113.5

Manual Integrations

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9/16/2019 11:15:44 AM



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034274.D (-152) (-)

80000

60000

40000

20000

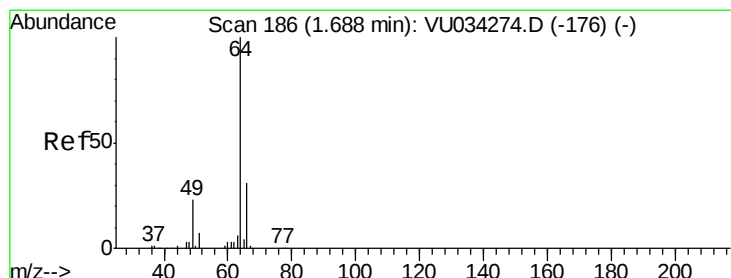
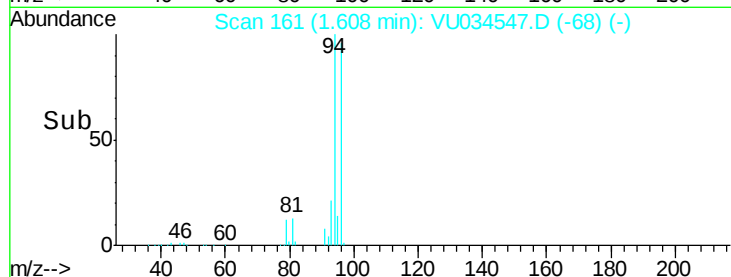
0

1.55

1.60

1.65

Time-->



#6

Chloroethane

Concen: 56.006 ug/l

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU034547.D

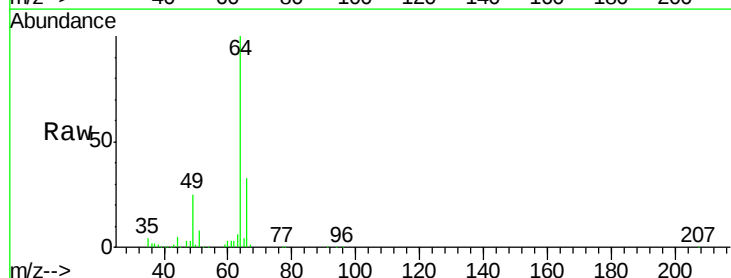
Acq: 13 Sep 2019 01:45

Tgt Ion: 64 Resp: 96820

Ion Ratio Lower Upper

64 100

66 33.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034274.D (-176) (-)

80000

60000

40000

20000

0

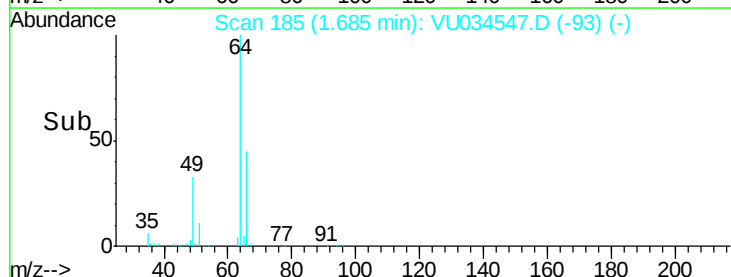
1.60

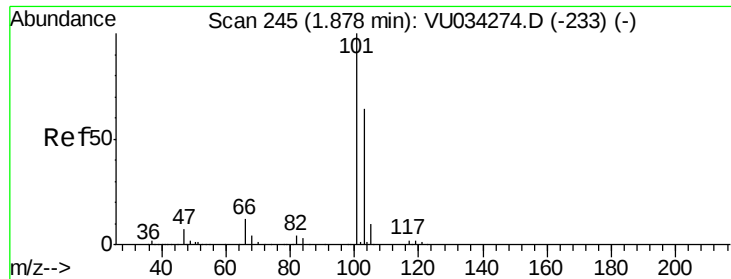
1.65

1.70

1.75

Time-->





#7

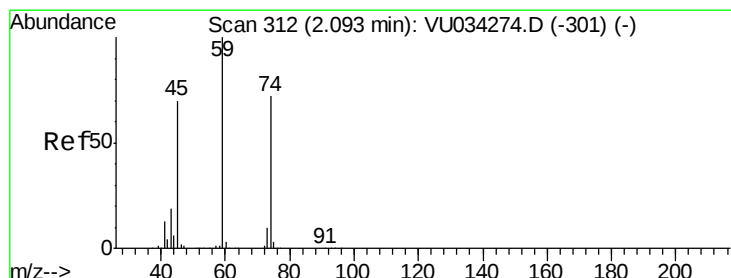
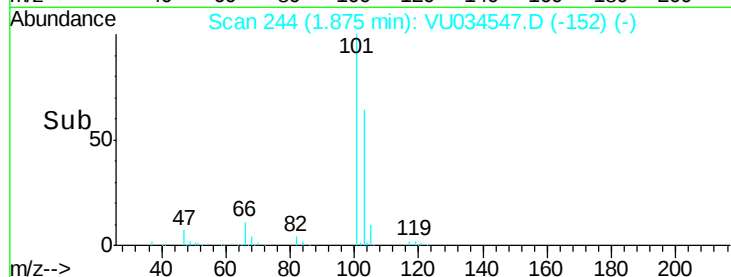
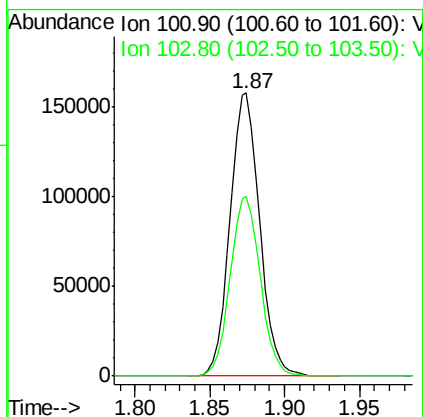
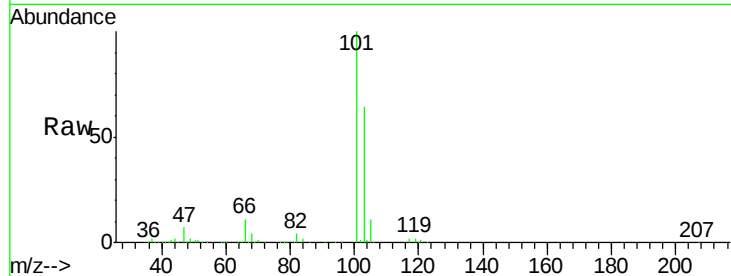
Trichlorofluoromethane
 Concen: 54.460 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.0	76.6

Manual Integrations
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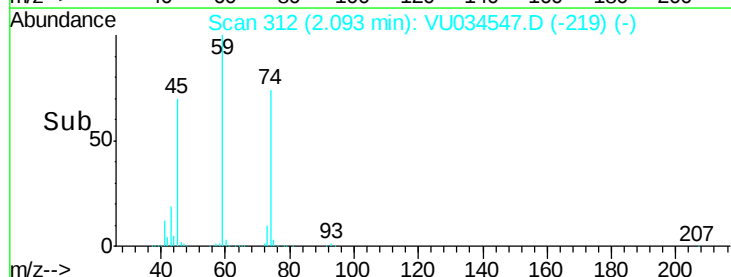
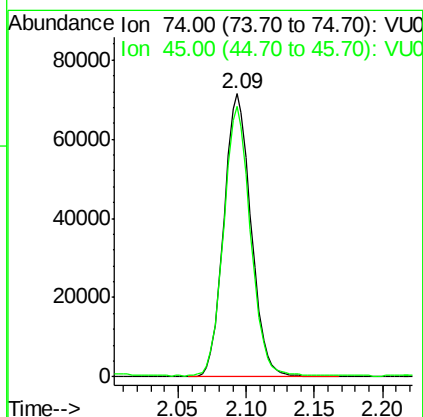
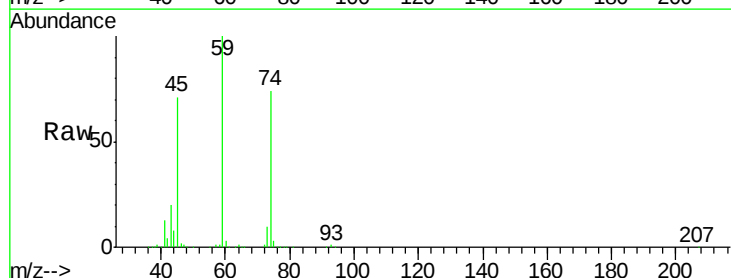
MMDadoda
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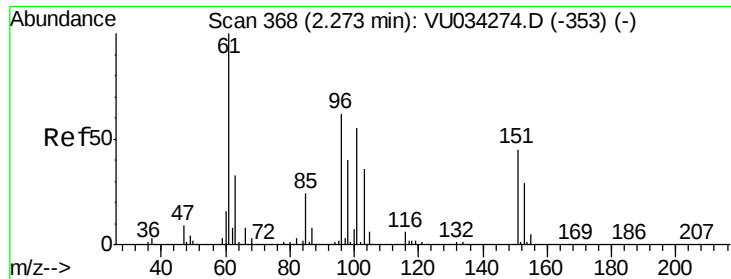


#8

Diethyl Ether
 Concen: 56.371 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.6	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.387 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

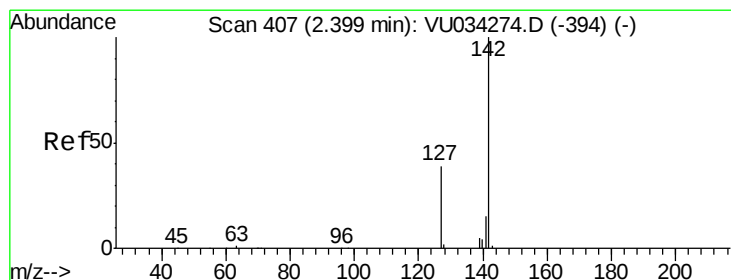
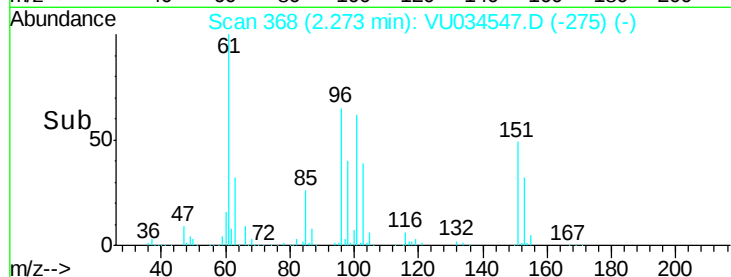
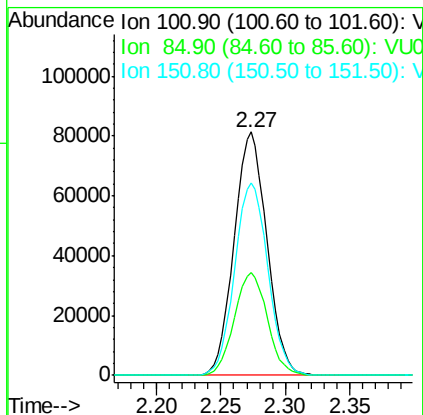
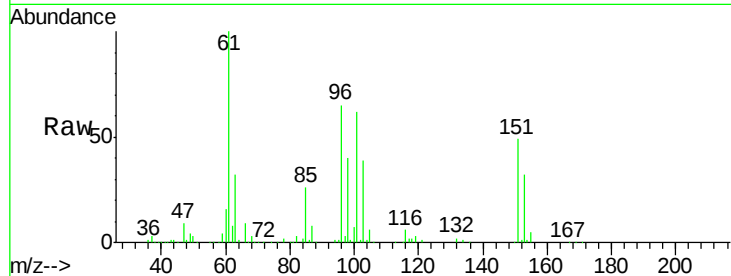
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	143967
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.4	51.6
151	80.2	64.4	96.6

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#10

Methyl Iodide

Concen: 55.173 ug/l

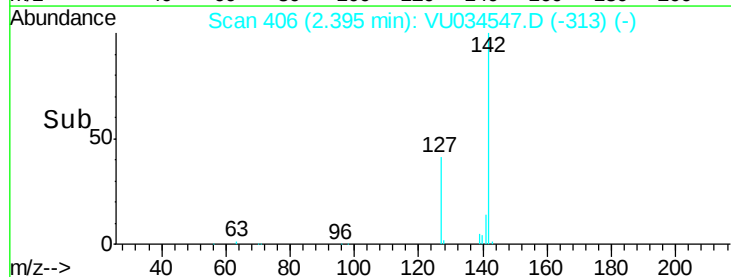
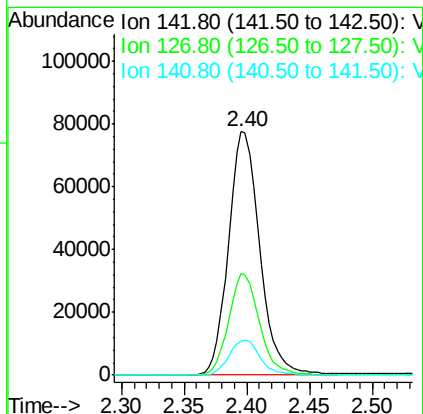
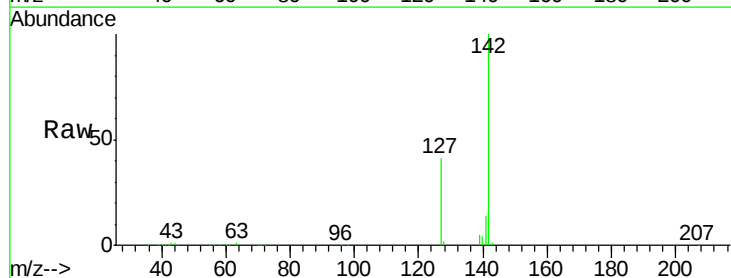
RT: 2.40 min Scan# 406

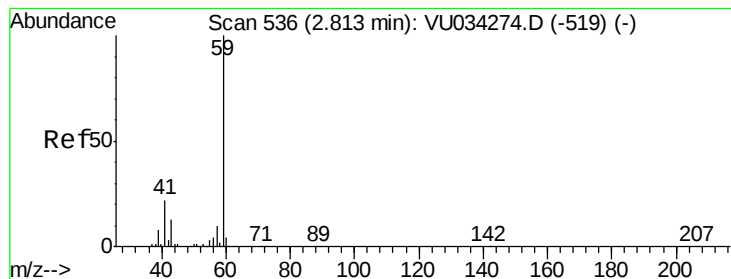
Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Tgt Ion:	142	Resp:	134662
Ion Ratio	Lower	Upper	
142	100		
127	40.8	32.1	48.1
141	14.3	11.5	17.3





#11

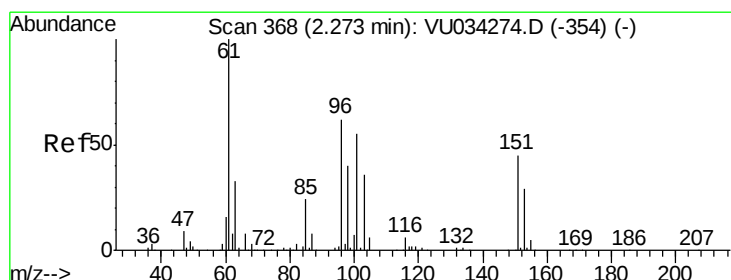
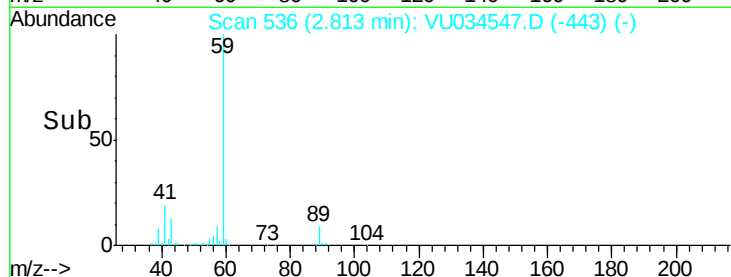
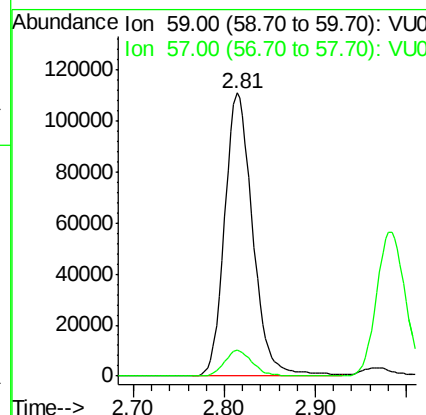
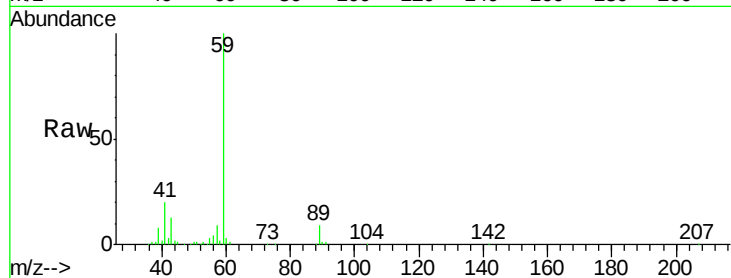
Tert butyl alcohol
 Concen: 325.431 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.9	11.9

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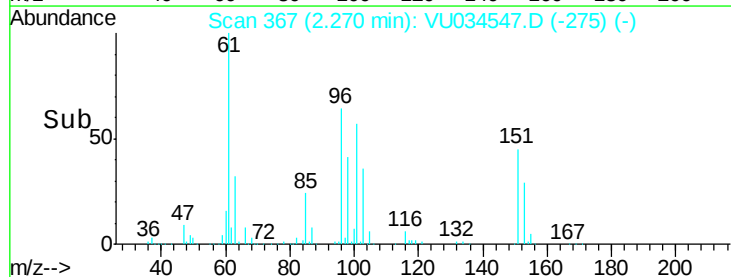
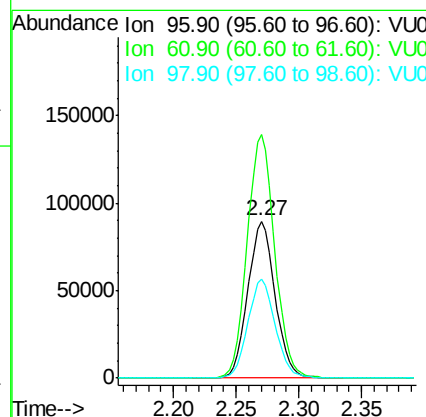
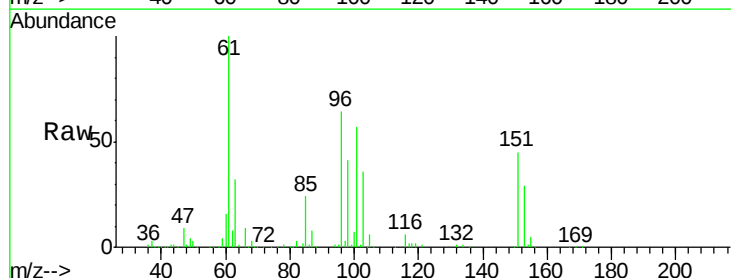
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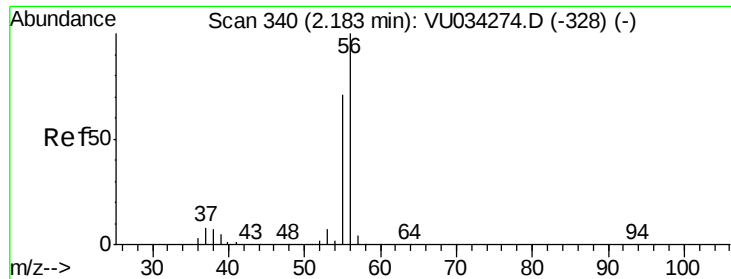


#12

1,1-Dichloroethene
 Concen: 54.619 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.5	130.0	195.0
98	63.1	52.2	78.4





#13

Acrolein

Concen: 212.645 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 130663

Ion Ratio Lower Upper

56 100

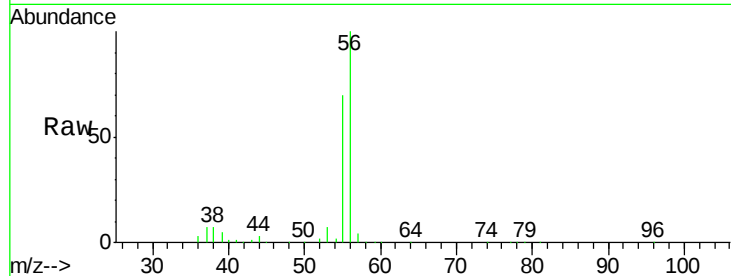
55 72.0 57.4 86.2

Manual Integrations

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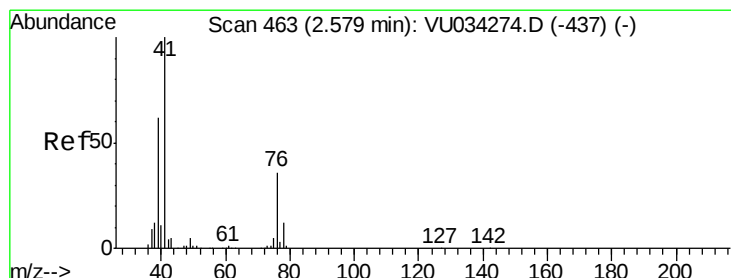
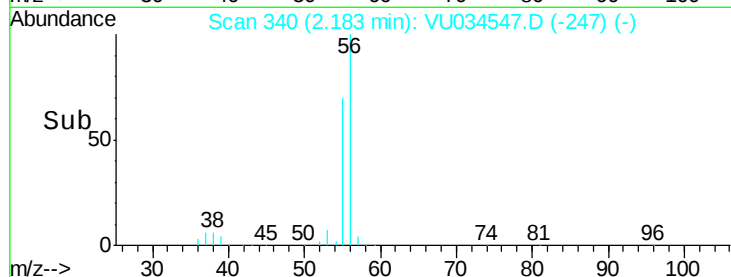
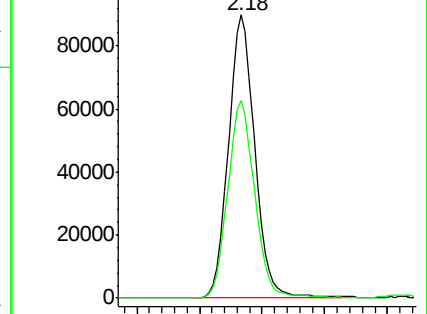
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Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-328) (-)

Ion 55.00 (54.70 to 55.70): VU034274.D (-328) (-)



#14

Allyl chloride

Concen: 53.144 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

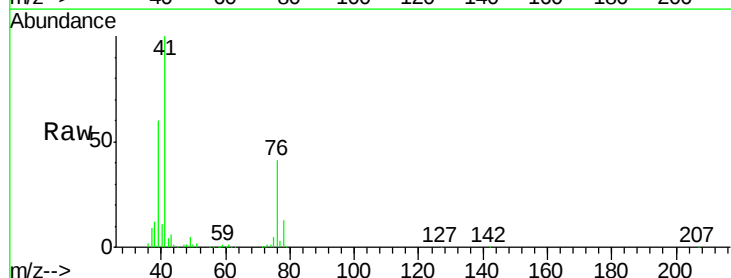
Tgt Ion: 41 Resp: 252825

Ion Ratio Lower Upper

41 100

39 53.8 43.5 65.3

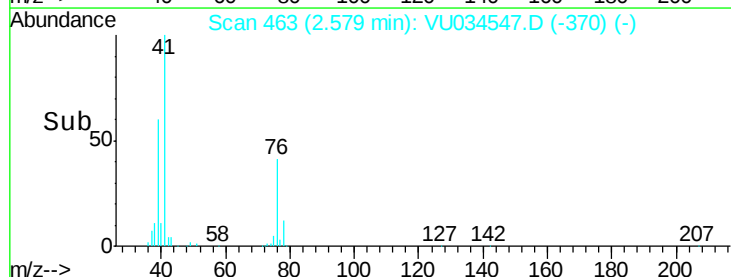
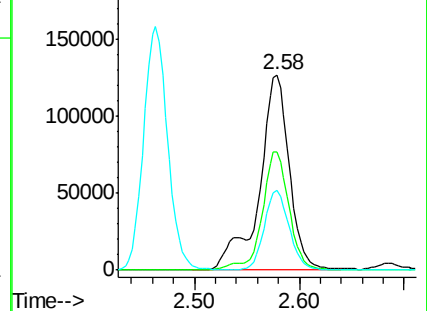
76 33.5 27.0 40.6

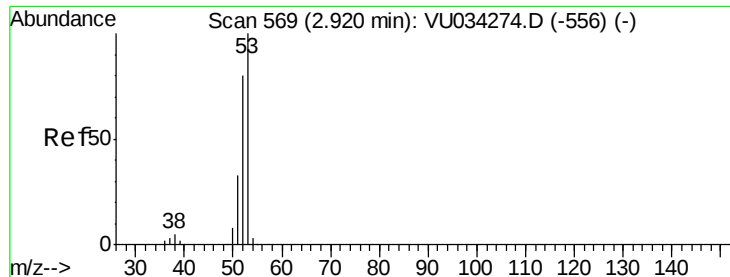


Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-437) (-)

Ion 75.90 (75.60 to 76.60): VU034274.D (-437) (-)





#15

Acrylonitrile

Concen: 294.295 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

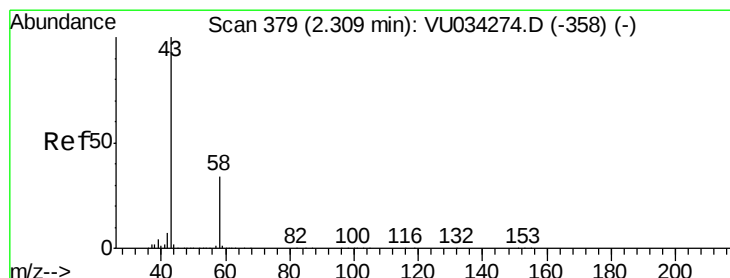
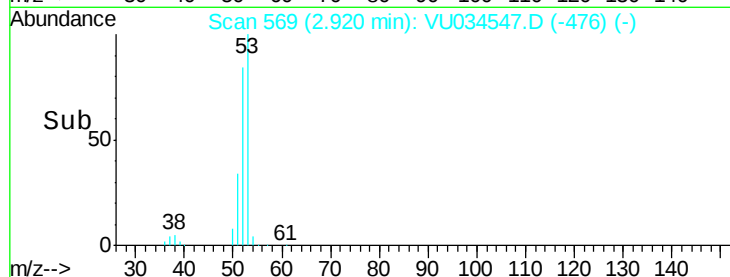
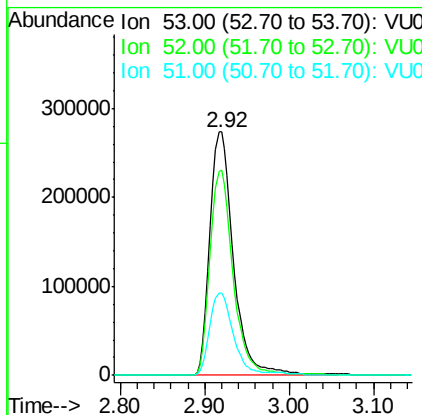
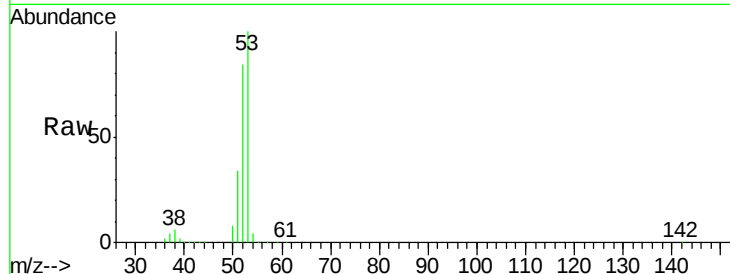
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	535781
Ion Ratio	Lower	Upper	
53	100		
52	82.5	64.1	96.1
51	35.0	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 241.839 ug/l

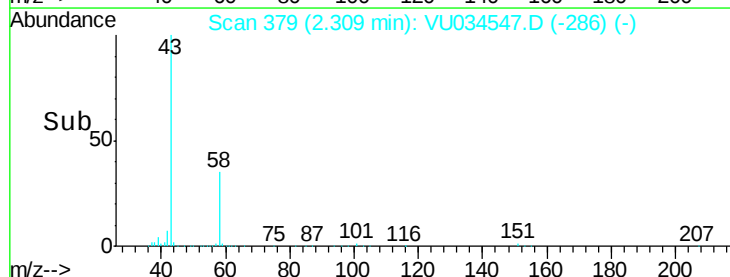
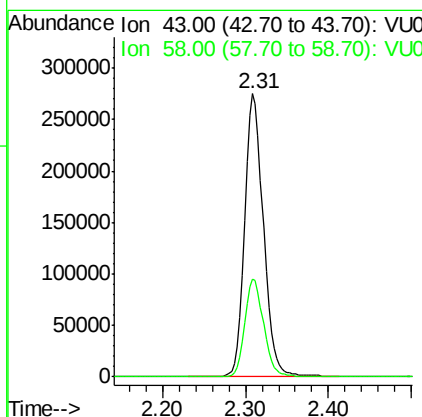
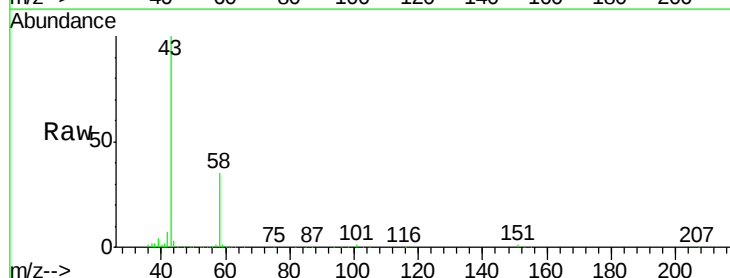
RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Tgt Ion:	43	Resp:	433084
Ion Ratio	Lower	Upper	
43	100		
58	34.5	27.6	41.4





#17

Carbon Disulfide

Concen: 45.014 ug/l

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 251755

Ion Ratio Lower Upper

76 100

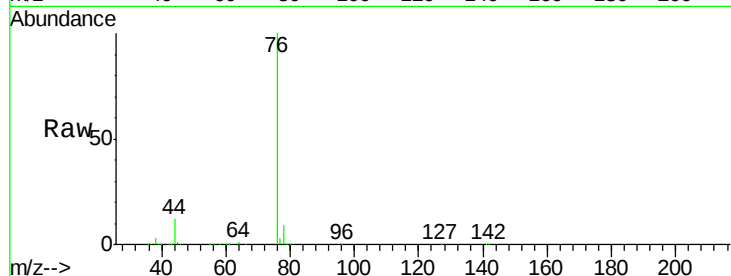
78 9.1 7.2 10.8

Manual Integrations

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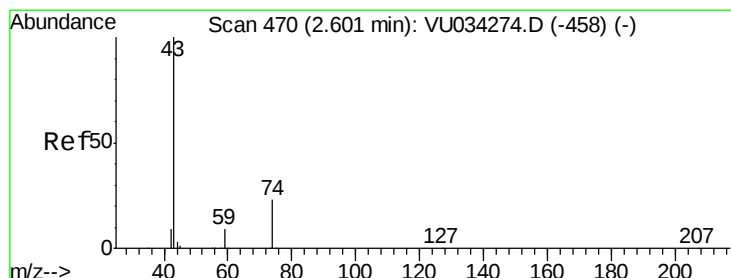
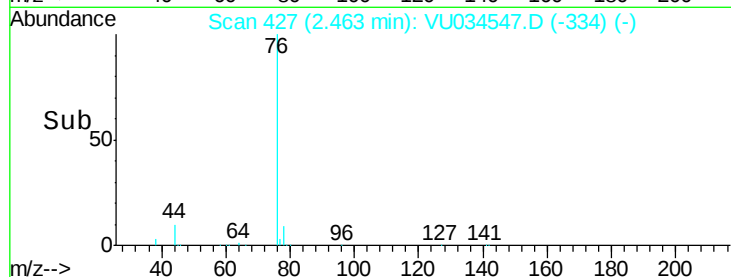
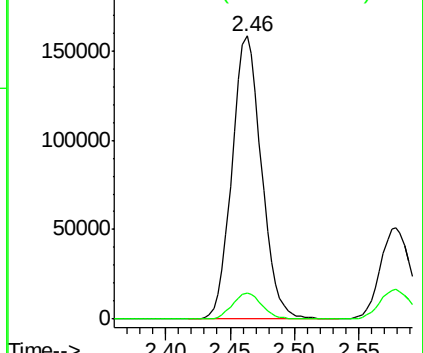
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 56.441 ug/l

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU034547.D

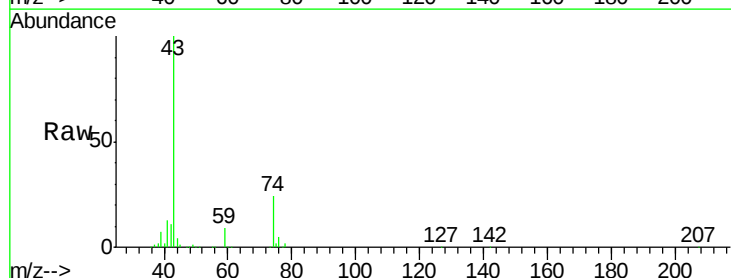
Acq: 13 Sep 2019 01:45

Tgt Ion: 43 Resp: 245939

Ion Ratio Lower Upper

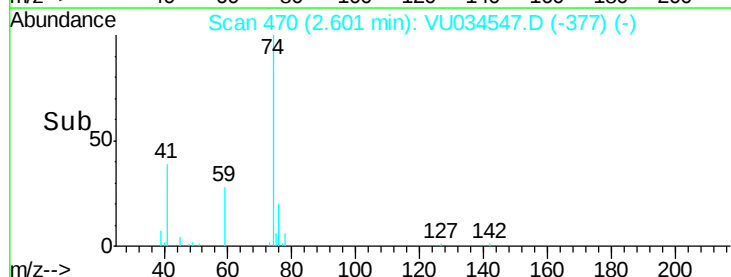
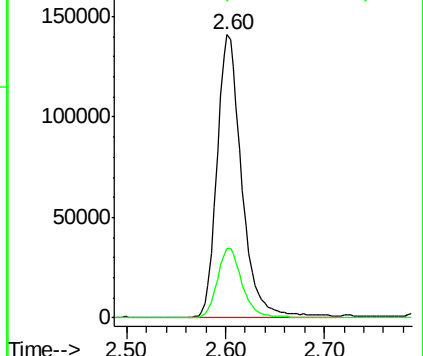
43 100

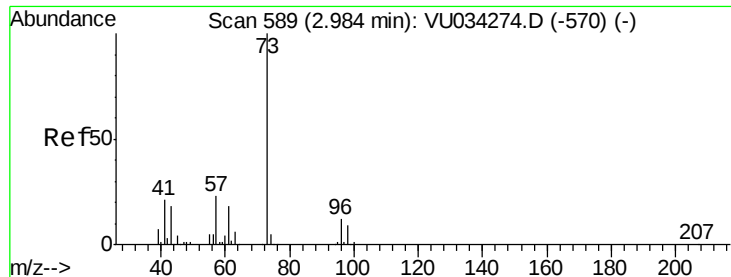
74 25.2 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





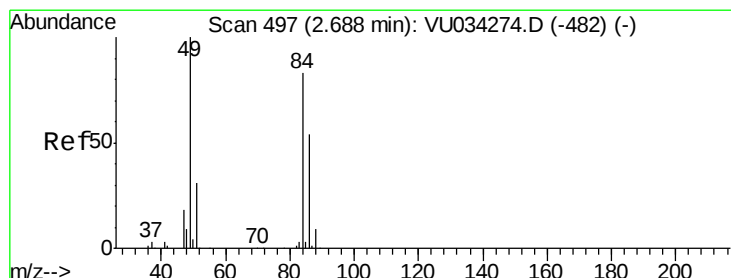
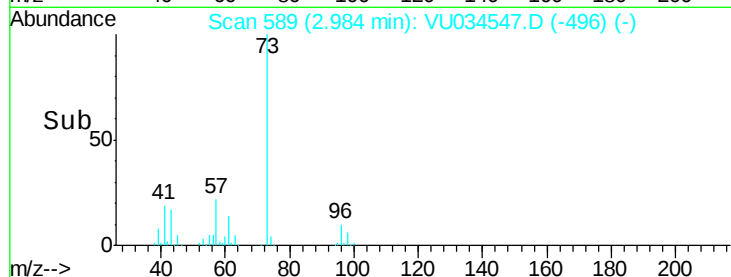
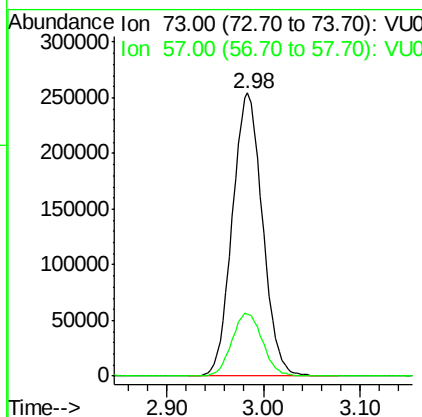
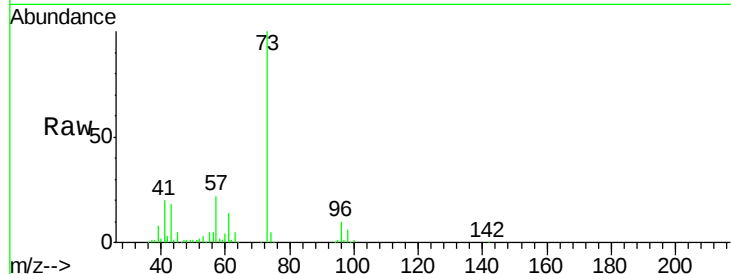
#19
Methvl tert-butvl Ether
Concen: 60.632 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 549943
Ion Ratio Lower Upper
73 100
57 22.0 18.2 27.4

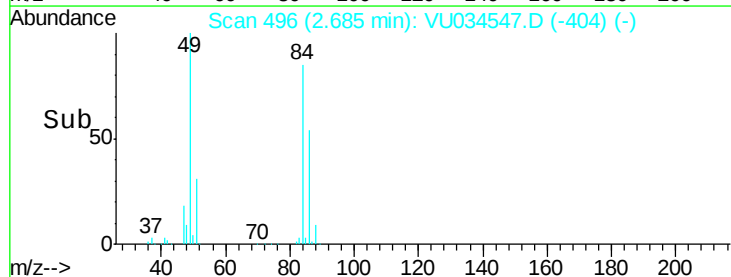
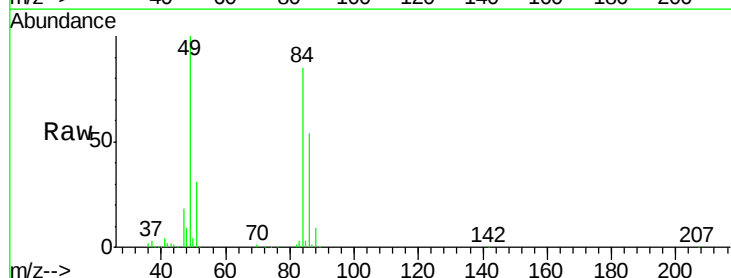
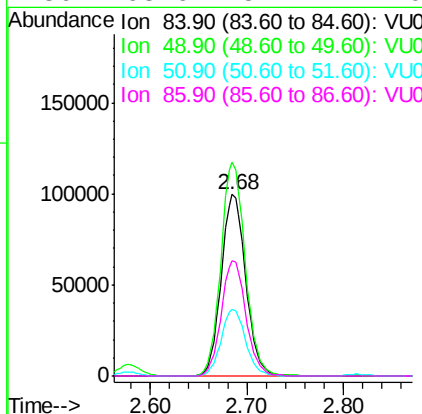
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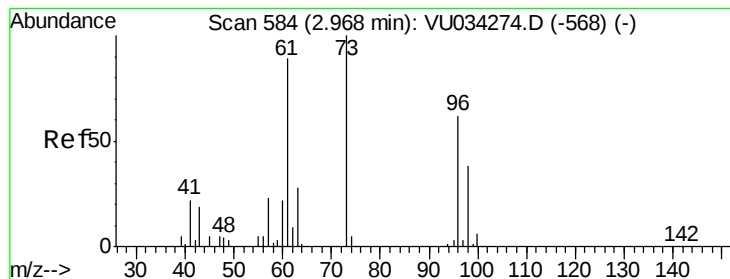
MMDadoda
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#20
Methylene Chloride
Concen: 59.968 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion: 84 Resp: 175665
Ion Ratio Lower Upper
84 100
49 117.8 96.0 144.0
51 36.7 30.0 45.0
86 63.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 53.975 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 141540

Ion Ratio Lower Upper

96 100

61 138.3 114.8 172.2

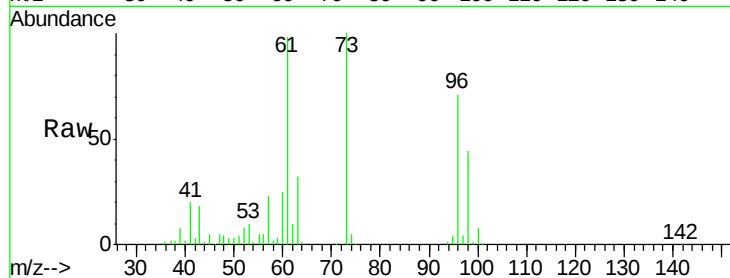
98 62.4 49.8 74.8

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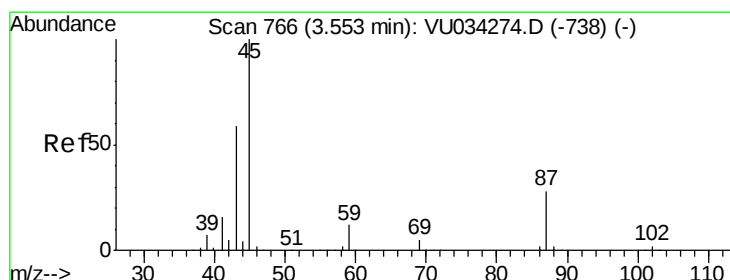
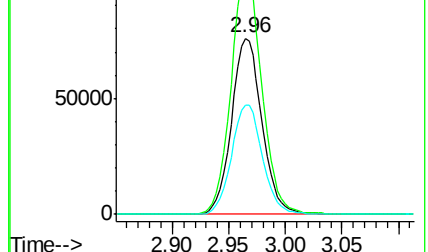
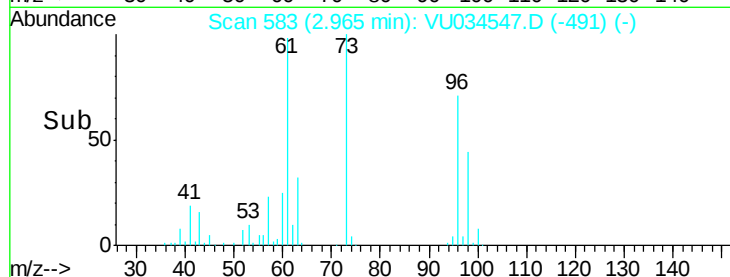


Abundance Ion 95.90 (95.60 to 96.60): VU034274.D (-568) (-)

Ion 60.90 (60.60 to 61.60): VU034274.D (-568) (-)

Ion 97.90 (97.60 to 98.60): VU034274.D (-568) (-)

Time-->



#22

Diisopropyl ether

Concen: 59.904 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Tgt Ion: 45 Resp: 555768

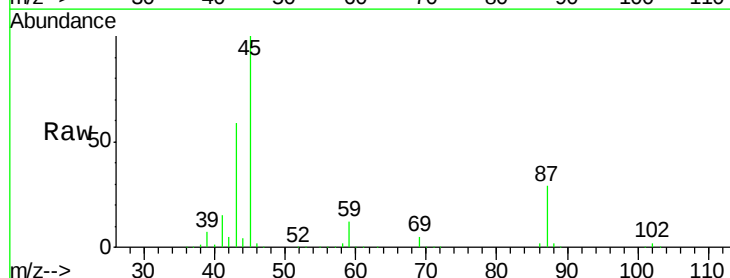
Ion Ratio Lower Upper

45 100

43 58.4 47.5 71.3

87 28.5 22.2 33.4

59 11.9 9.4 14.2



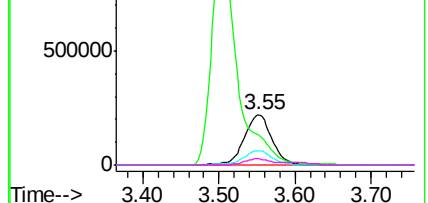
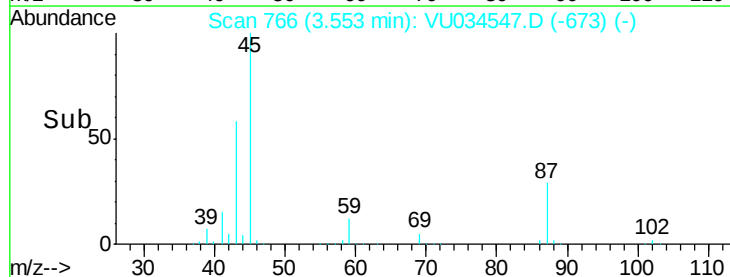
Abundance Ion 45.00 (44.70 to 45.70): VU034274.D (-738) (-)

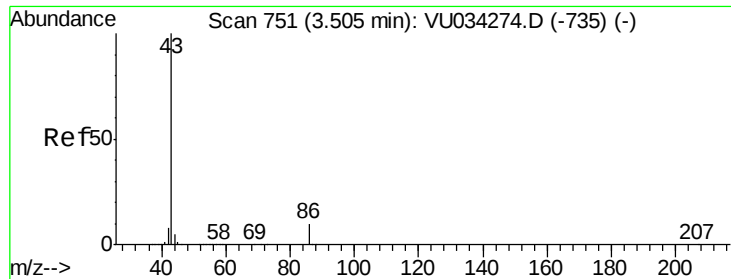
Ion 43.00 (42.70 to 43.70): VU034274.D (-738) (-)

Ion 87.00 (86.70 to 87.70): VU034274.D (-738) (-)

Ion 59.00 (58.70 to 59.70): VU034274.D (-738) (-)

Time-->





#23

Vinyl Acetate

Concen: 298.501 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Tot Ion: 43 Resp: 2255823

Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5

Instrument :

MSVOA_U

ClientSampleId :

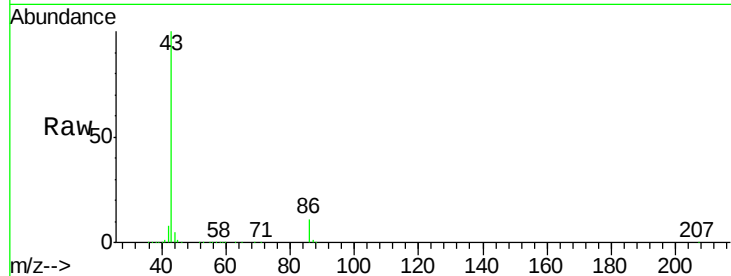
VSTDCCC050EC

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Abundance Ion 43.00 (42.70 to 43.70): VU034547.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034547.D (-658) (-)

3.50

1000000

800000

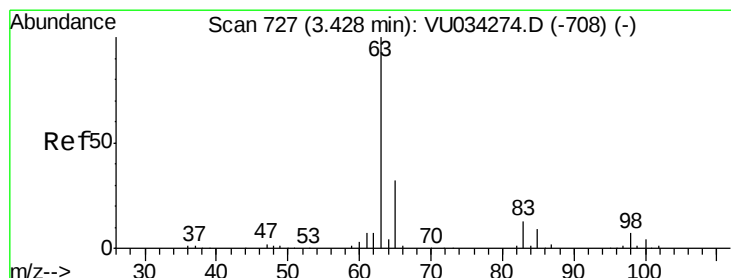
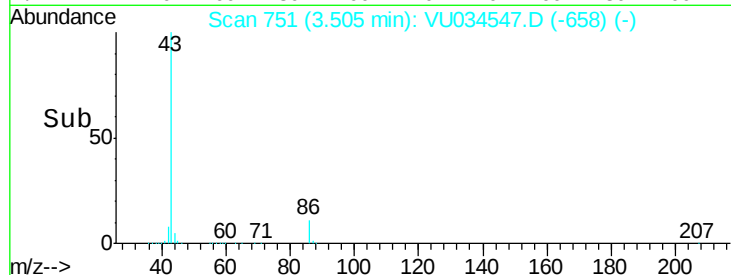
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 56.271 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

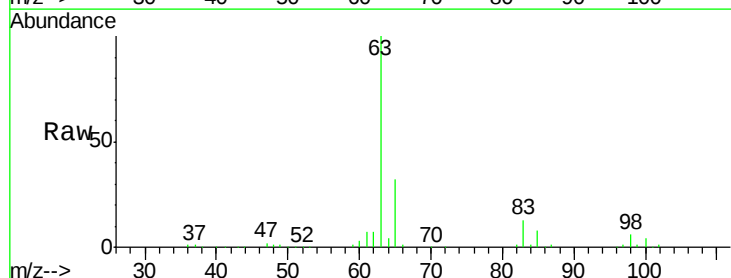
Tgt Ion: 63 Resp: 311772

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034547.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034547.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034547.D (-634) (-)

3.42

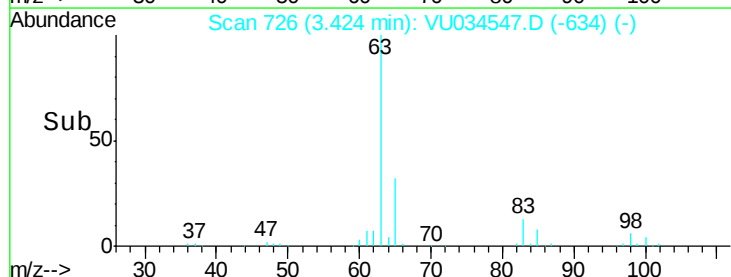
150000

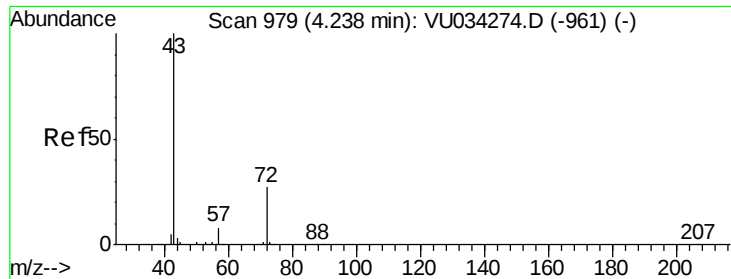
100000

50000

0

Time-->





#25

2-Butanone

Concen: 291.683 ug/l

RT: 4.24 min Scan# 979

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 697261

Ion Ratio Lower Upper

43 100

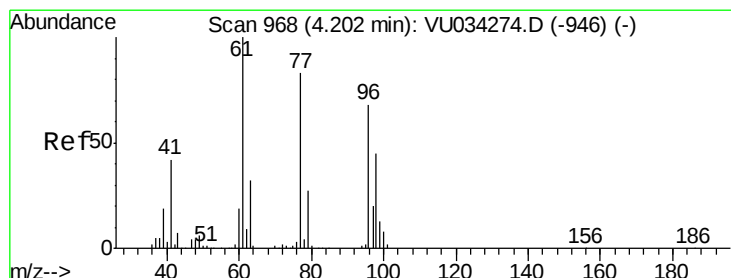
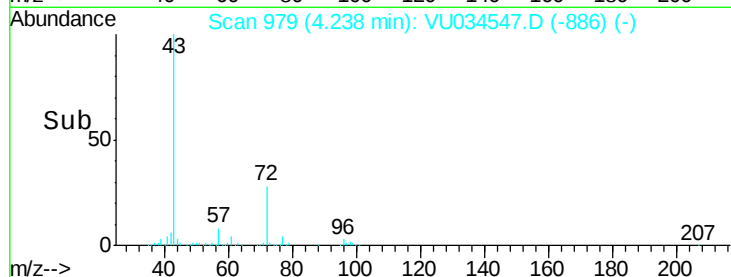
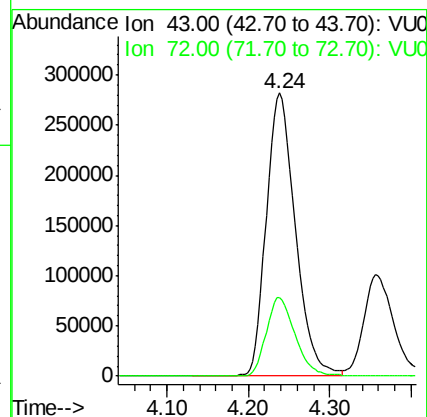
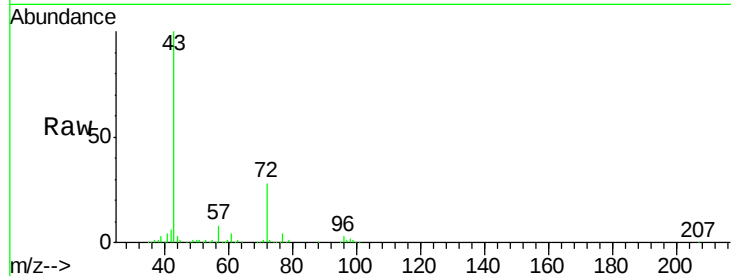
72 27.9 21.8 32.6

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 45.433 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034547.D

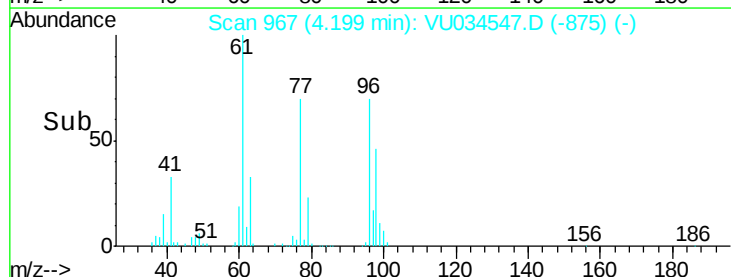
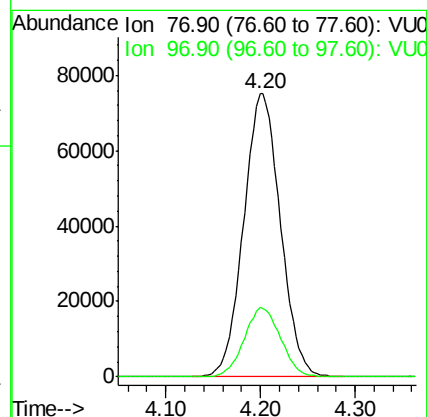
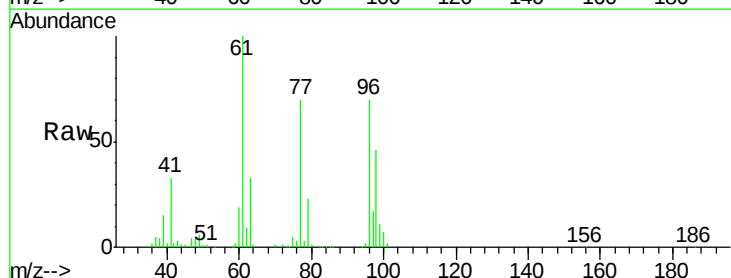
Acq: 13 Sep 2019 01:45

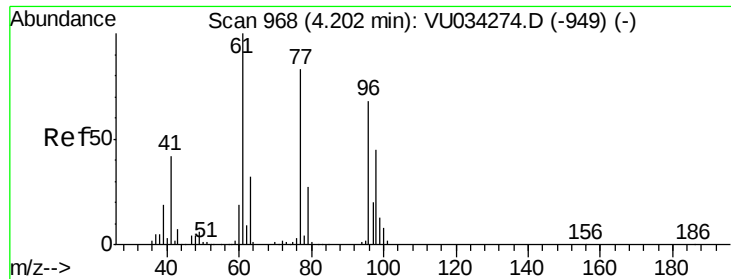
Tgt Ion: 77 Resp: 202453

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

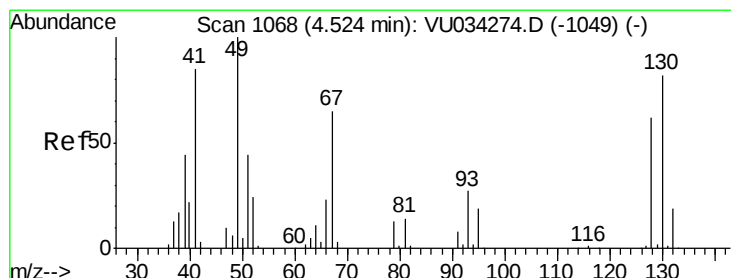
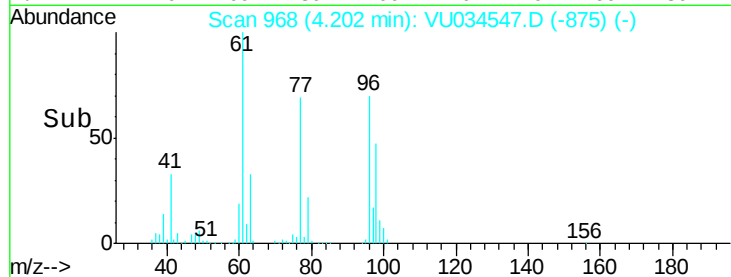
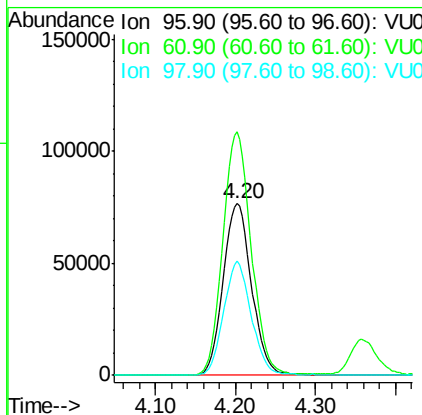
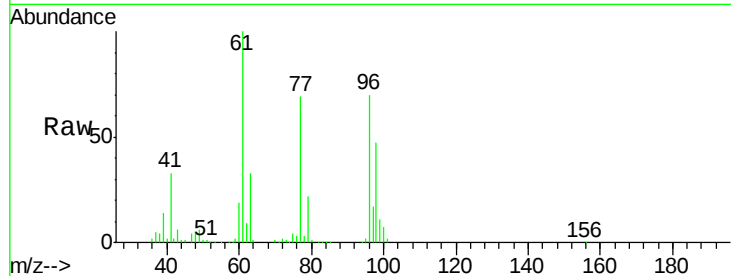
cis-1,2-Dichloroethene
Concen: 58.859 ug/l
RT: 4.20 min Scan# 968
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	187458		
61	141.2	0.0	297.4	
98	64.0	0.0	130.0	

Manual Integrations
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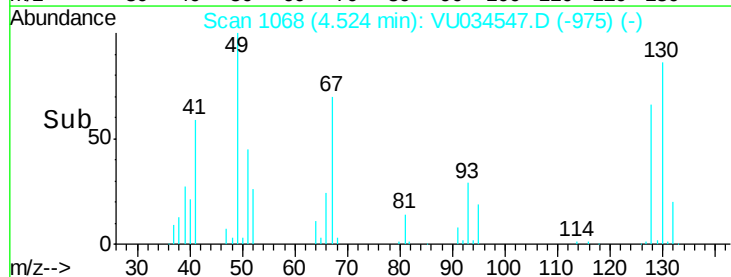
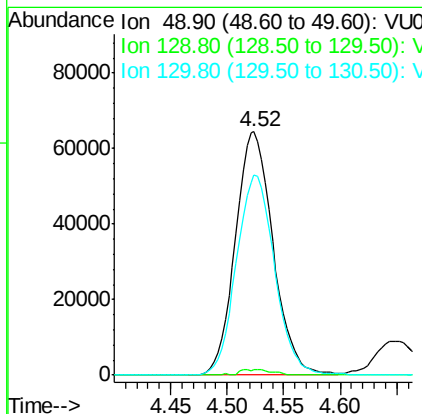
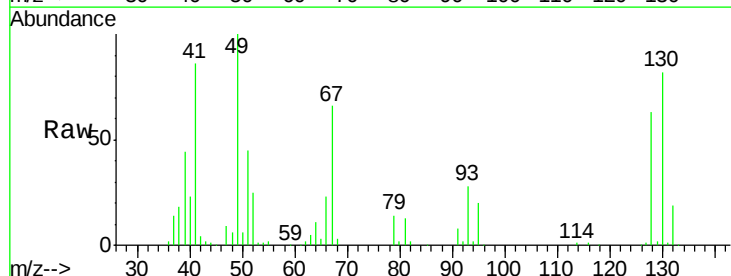
MMDadoda
9/16/2019 11:15:44 AM

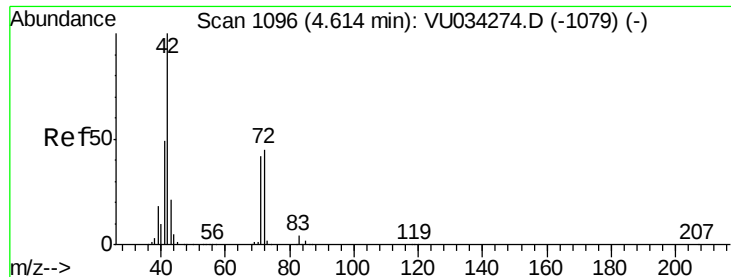


#28

Bromochloromethane
Concen: 58.681 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	149543		
129	0.6	0.0	3.8	
130	83.5	65.2	97.8	





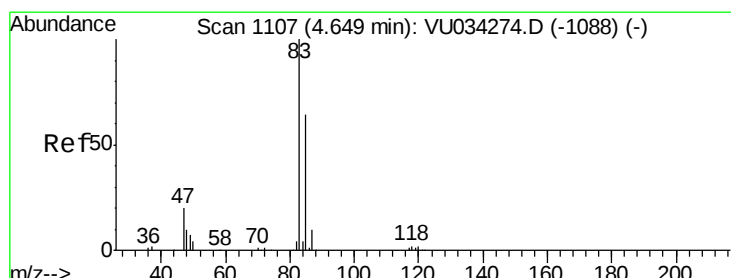
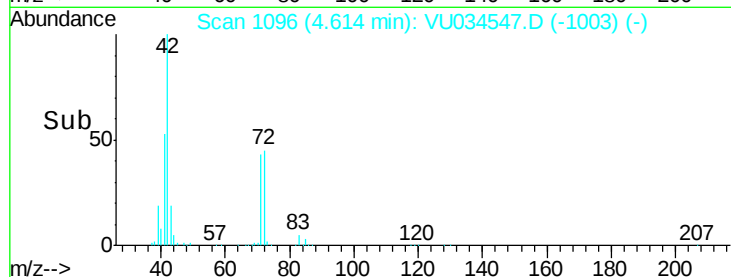
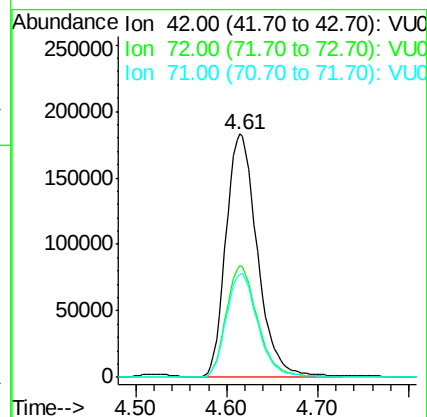
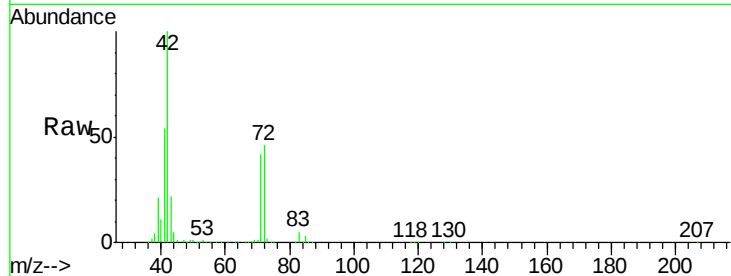
#29
Tetrahydrofuran
Concen: 300.770 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.6	54.8
71	43.1	34.3	51.5

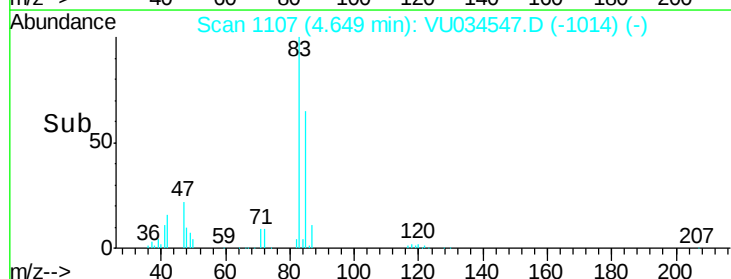
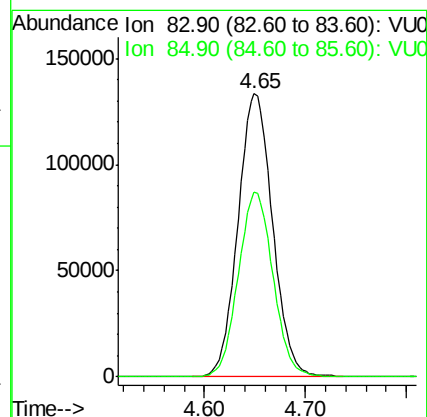
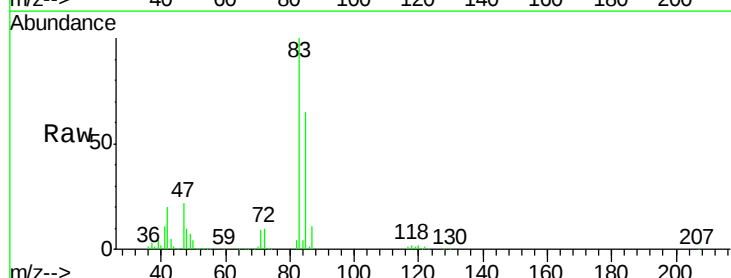
Manual Integrations
APPROVED

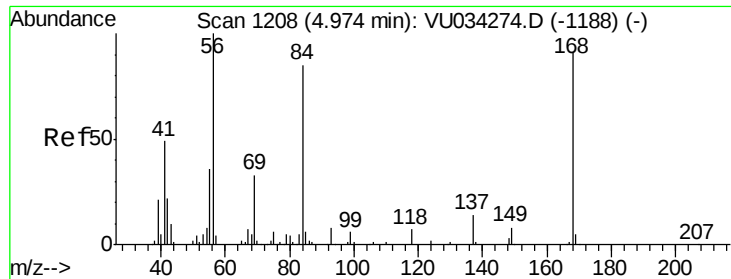
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#30
Chloroform
Concen: 56.371 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3





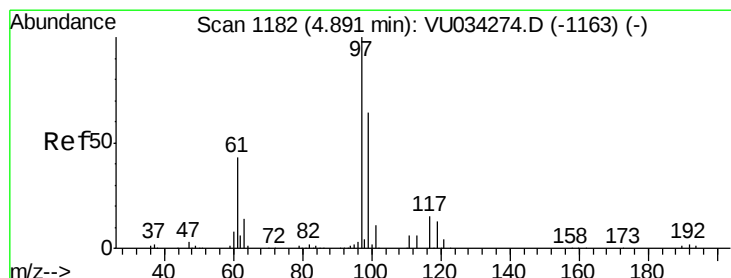
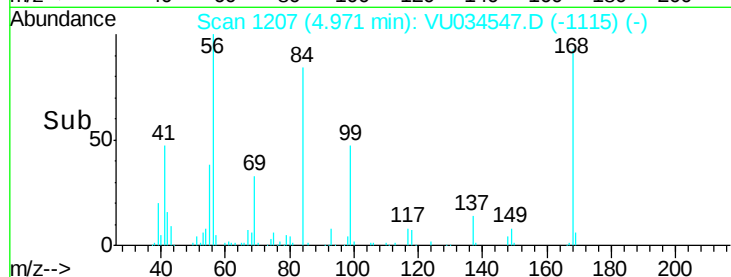
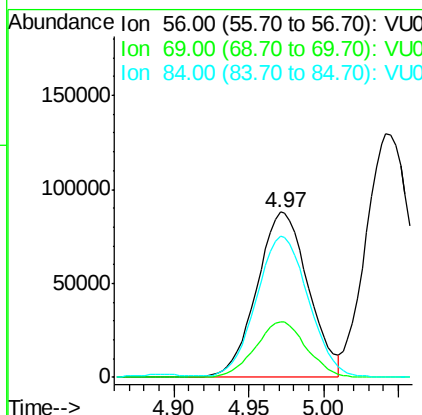
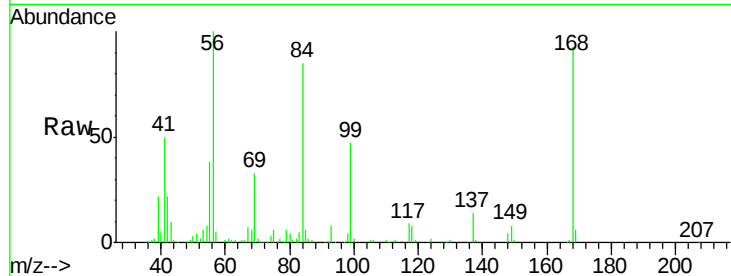
#31
Cyclohexane
Concen: 51.799 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.7	40.1
84	84.3	68.2	102.4

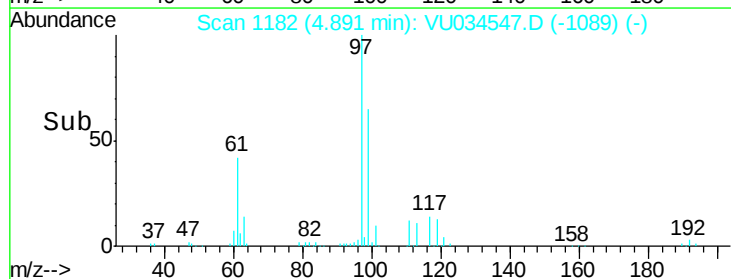
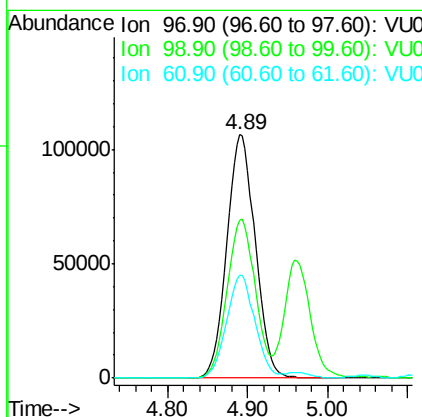
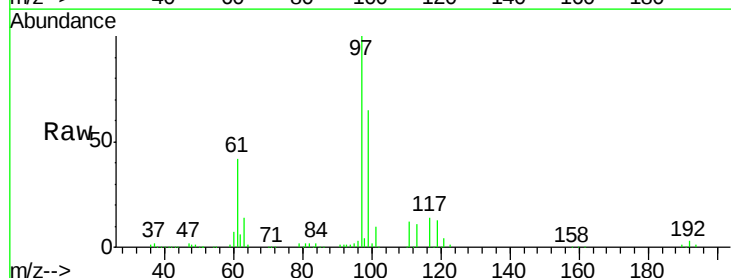
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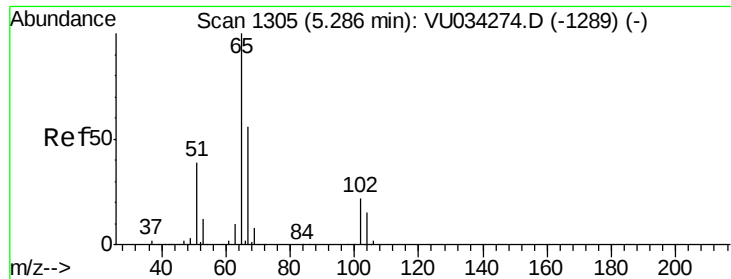
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#32
1,1,1-Trichloroethane
Concen: 57.222 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.9	76.3
61	42.3	34.7	52.1





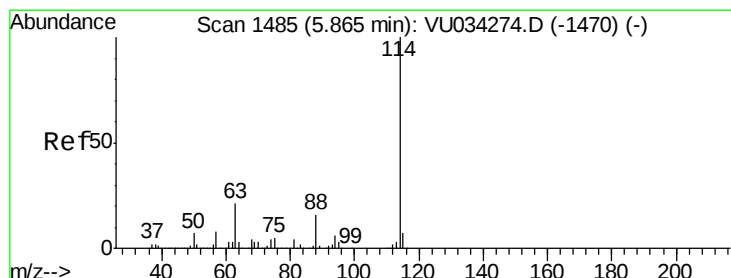
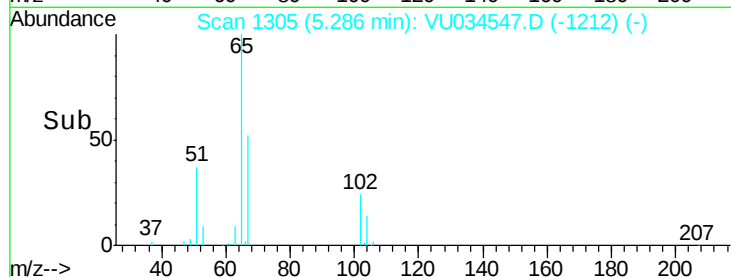
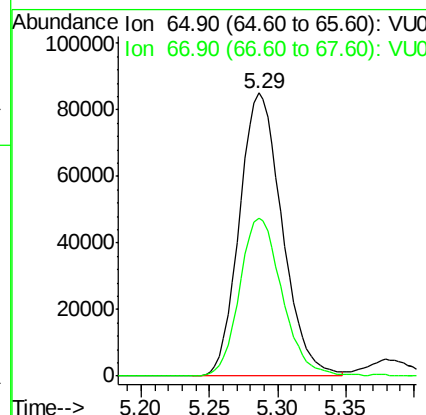
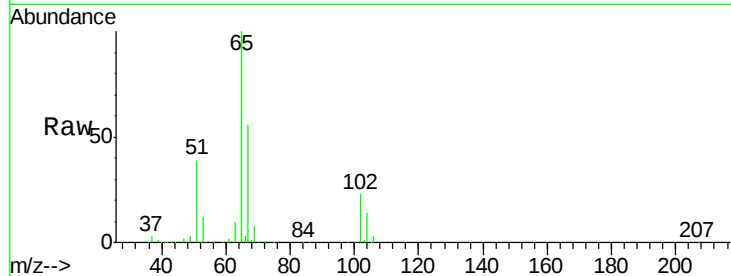
#33
 1,2-Dichloroethane-d4
 Concen: 53.471 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185036		
67	55.5	0.0	112.4	

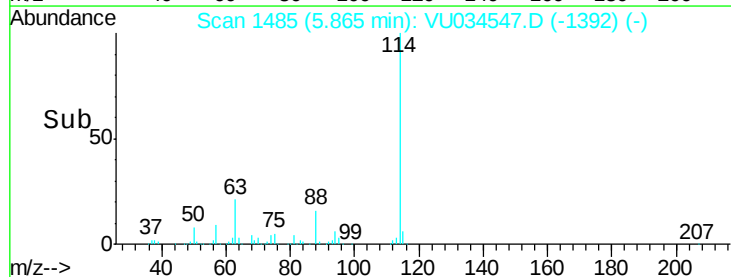
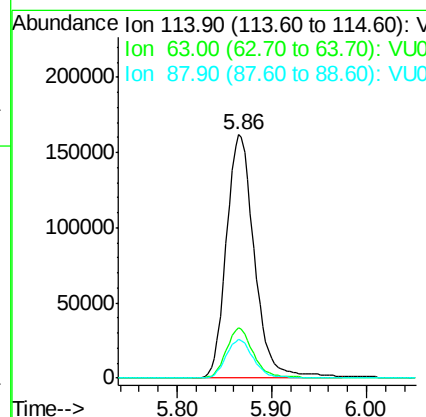
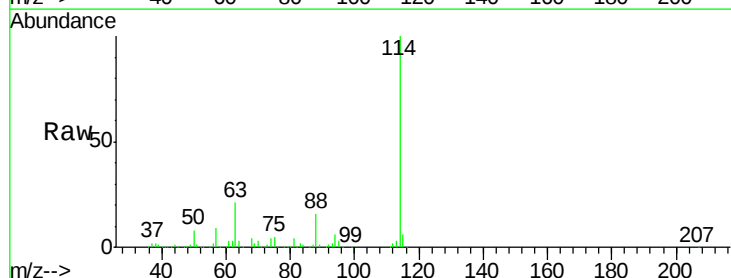
Manual Integrations
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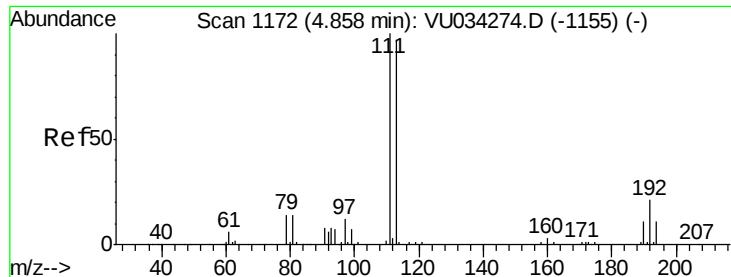
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 9/16/2019 11:15:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	334103		
63	20.6	0.0	42.4	
88	15.7	0.0	32.4	





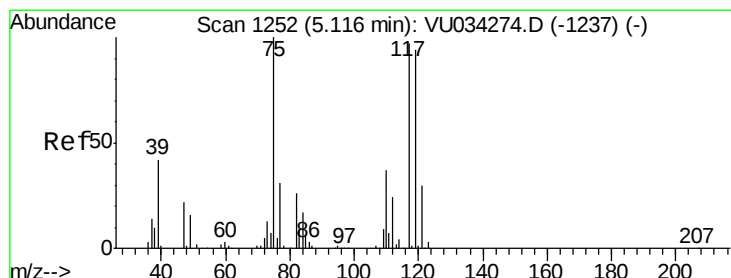
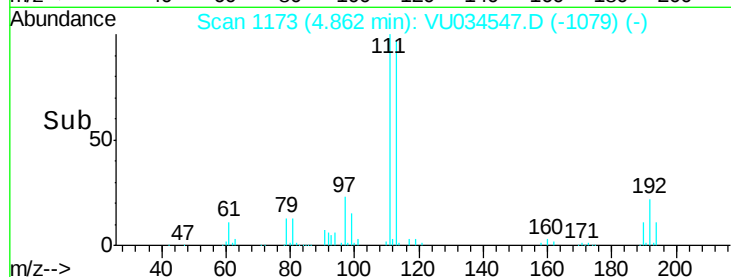
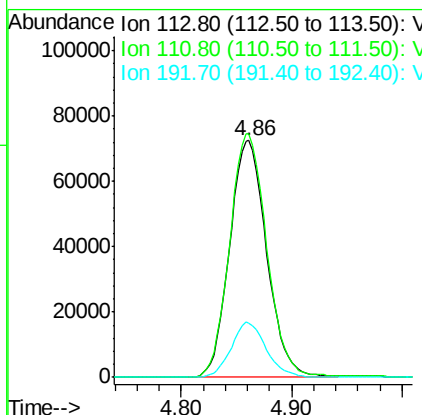
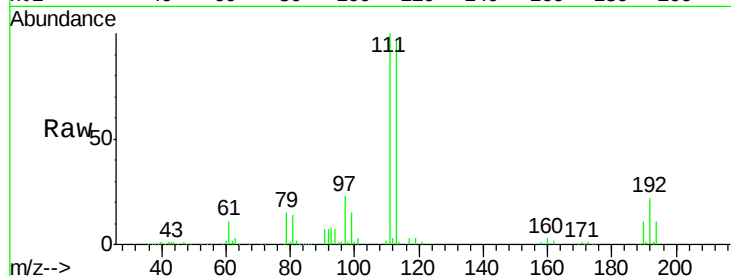
#35
 Dibromofluoromethane
 Concen: 54.323 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168883		
111	103.1	81.5	122.3	
192	22.0	17.8	26.8	

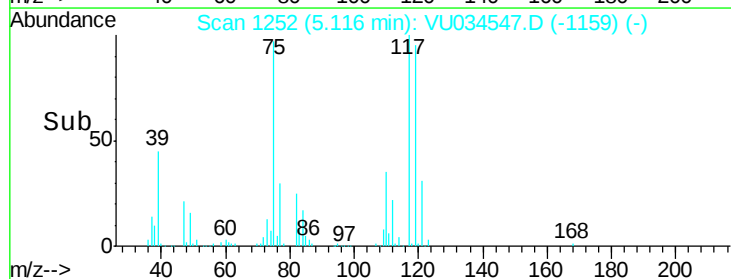
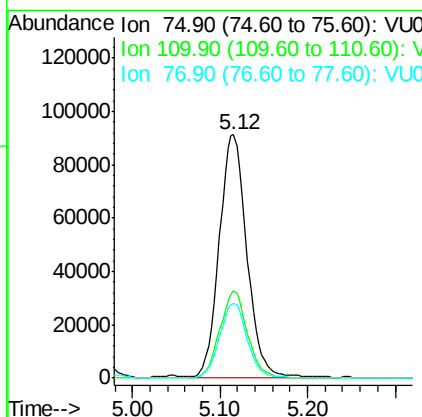
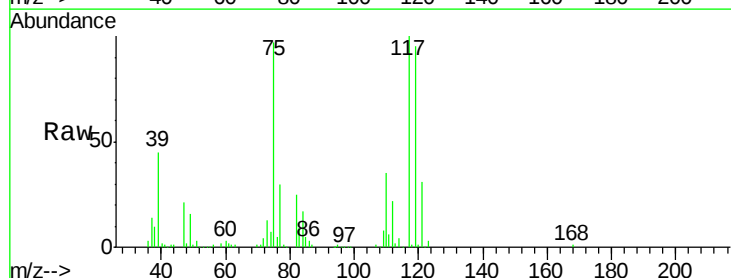
Manual Integrations
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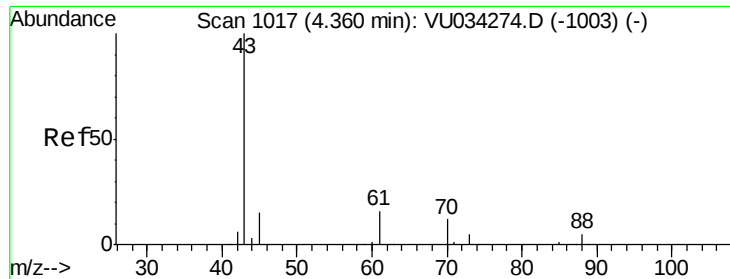
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#36
 1,1-Dichloropropene
 Concen: 54.530 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	197584		
110	36.2	18.3	54.9	
77	30.9	24.9	37.3	





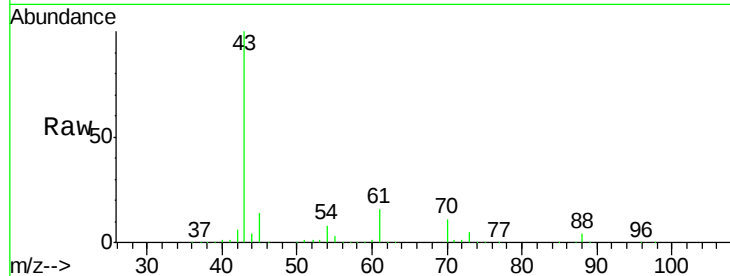
#37
Ethyl Acetate
Concen: 58.236 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

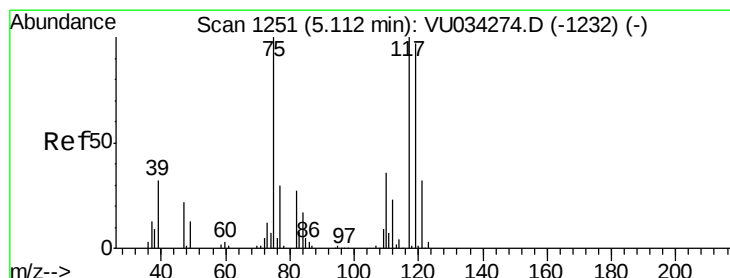
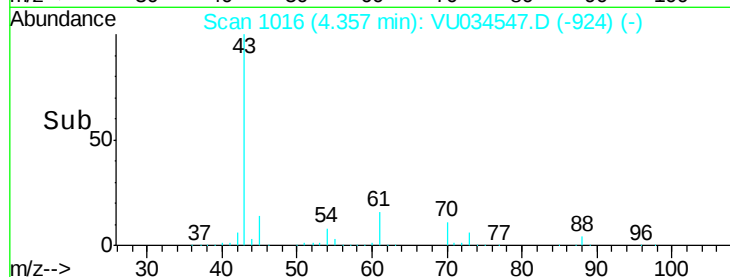
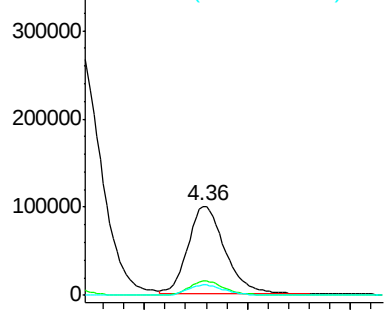
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.3	18.5
70	11.7	9.1	13.7

Manual Integrations
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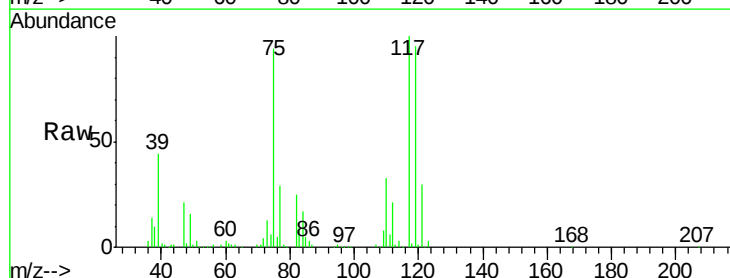


Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1003) (-)

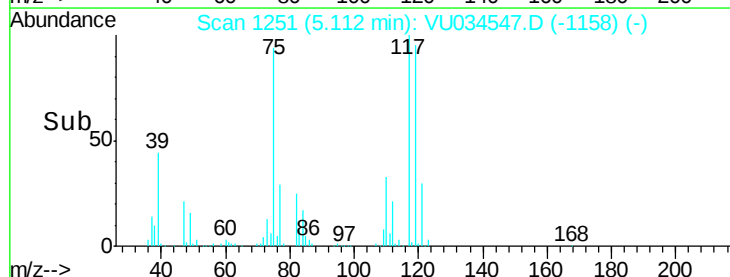
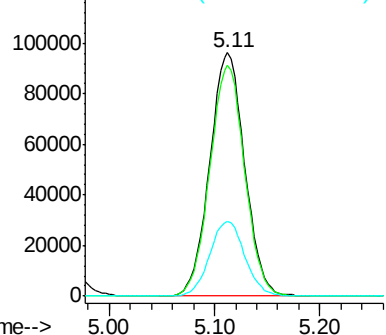


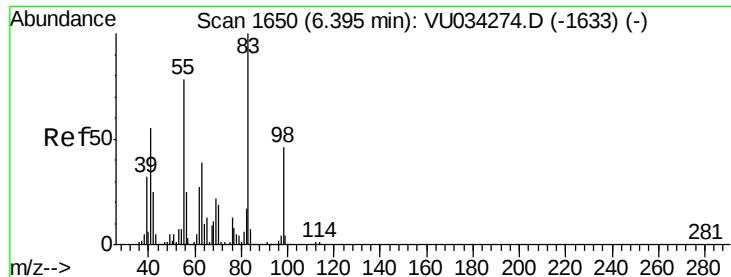
#38
Carbon Tetrachloride
Concen: 57.238 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.8	116.6
121	30.5	25.2	37.8



Abundance Ion 116.80 (116.50 to 117.50): VU034274.D (-1232) (-)





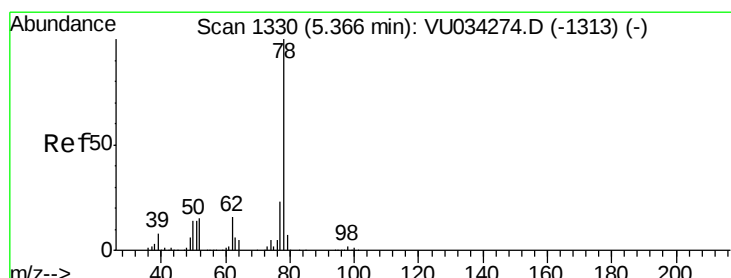
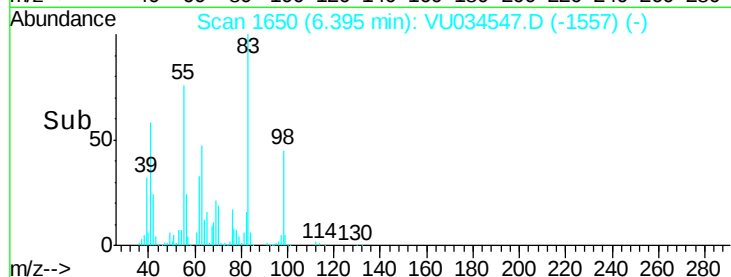
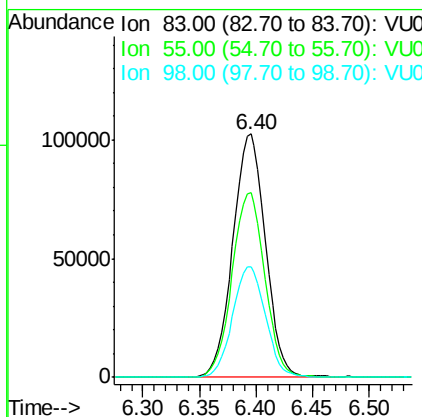
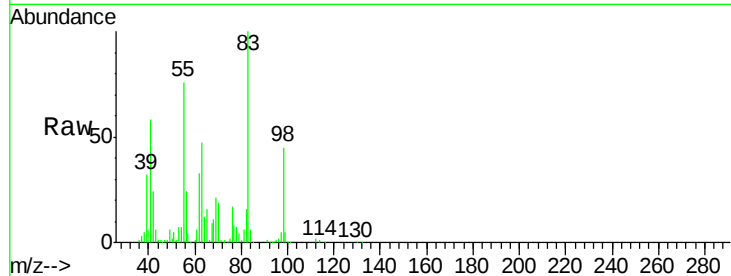
#39
Methvlcvclohexane
Concen: 53.386 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	62.1	93.1
98	45.3	37.0	55.6

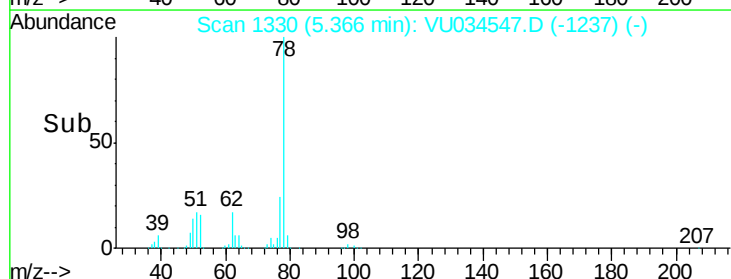
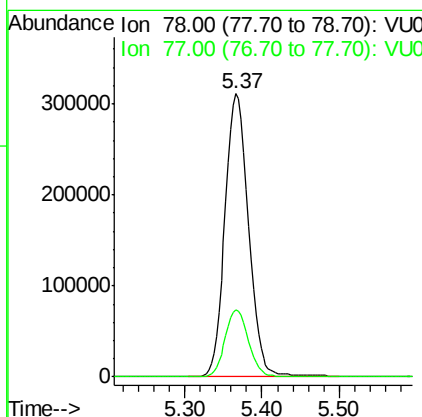
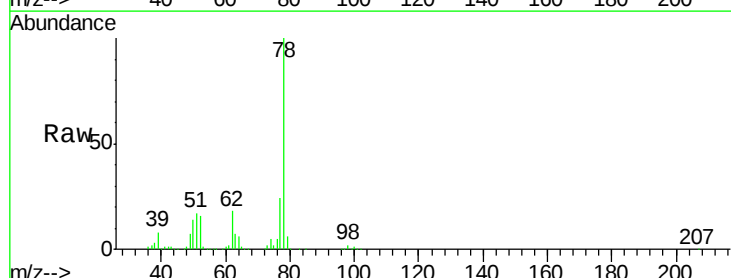
Manual Integrations
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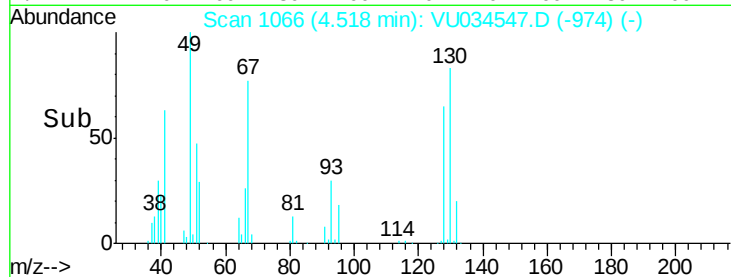
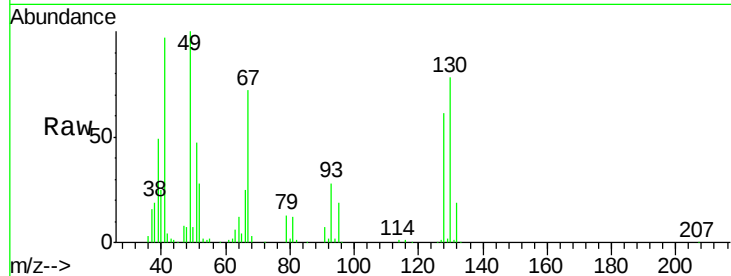
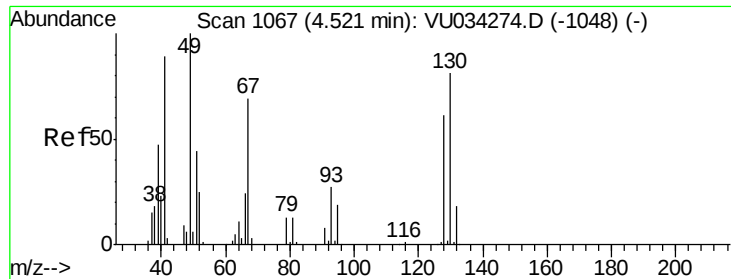
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#40
Benzene
Concen: 56.509 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





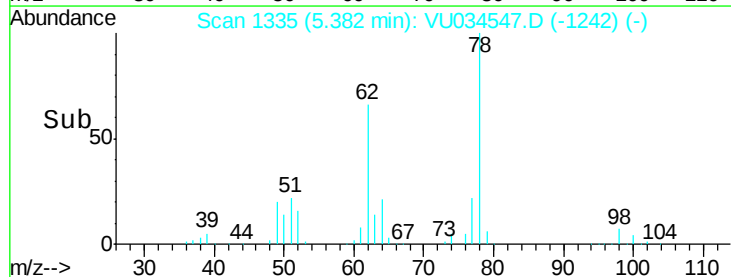
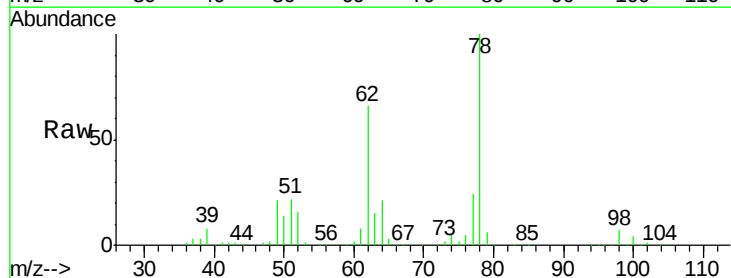
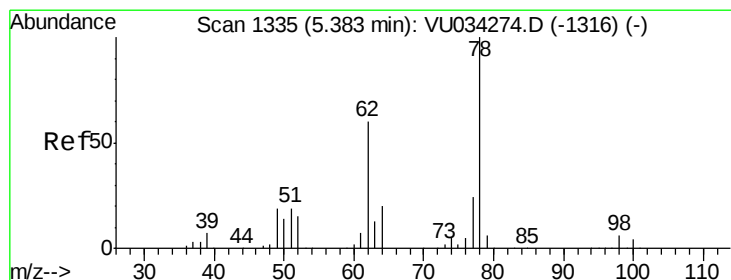
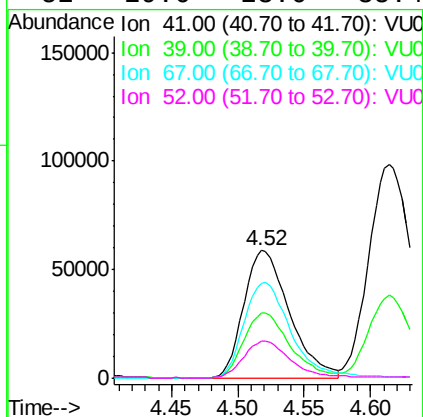
#41
Methacrylonitrile
Concen: 61.882 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tot Ion	41	Resp	141211
Ion	Ratio	Lower	Upper
41	100		
39	51.0	41.0	61.4
67	77.6	62.4	93.6
52	29.6	23.6	35.4

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

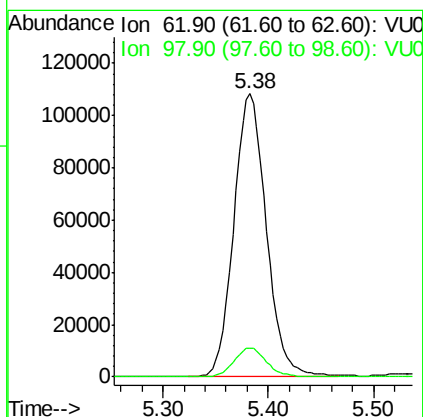
Manual Integrations
APPROVED

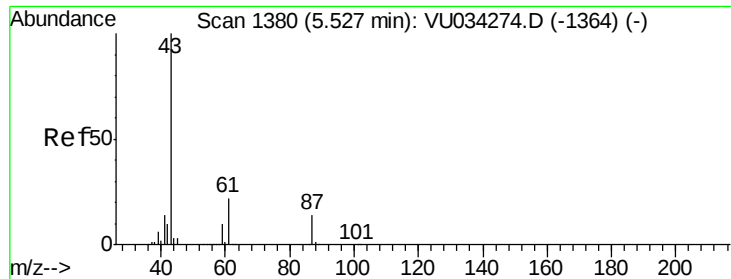
MMDadoda
9/16/2019 11:15:44 AM



#42
1,2-Dichloroethane
Concen: 56.982 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion	62	Resp	231306
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0





#43

Isopropyl Acetate

Concen: 59.918 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

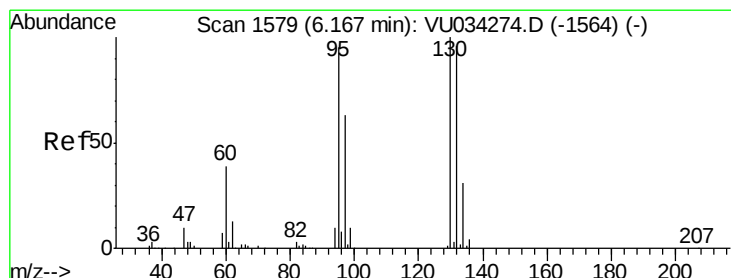
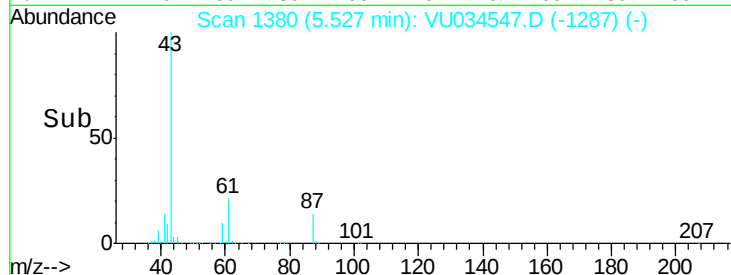
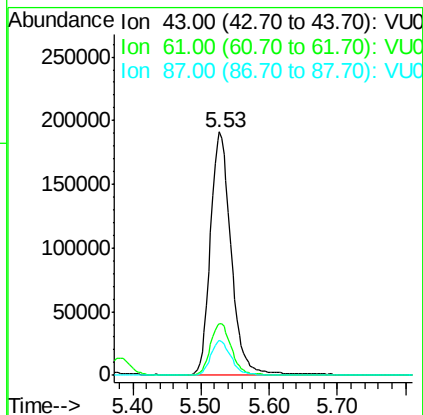
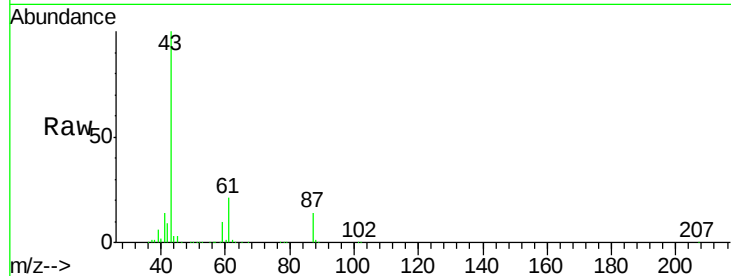
ClientSampleID :

VSTDCCC050EC

Tot Ion:	43	Resp:	400436
Ion	Ratio	Lower	Upper
43	100		
61	22.0	17.1	25.7
87	14.3	11.1	16.7

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#44

Trichloroethene

Concen: 56.735 ug/l

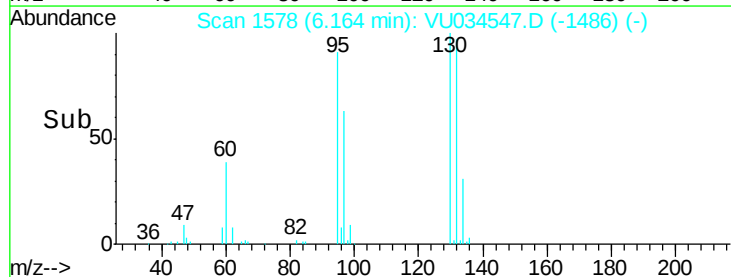
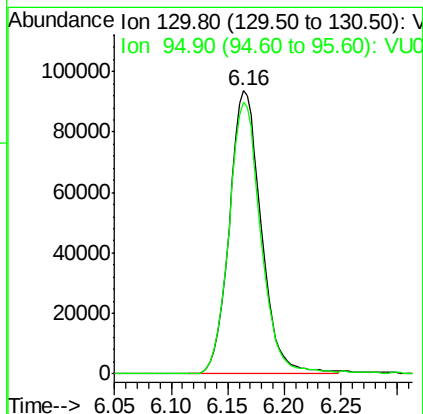
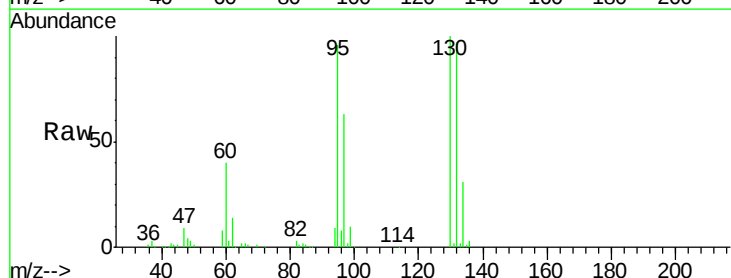
RT: 6.16 min Scan# 1578

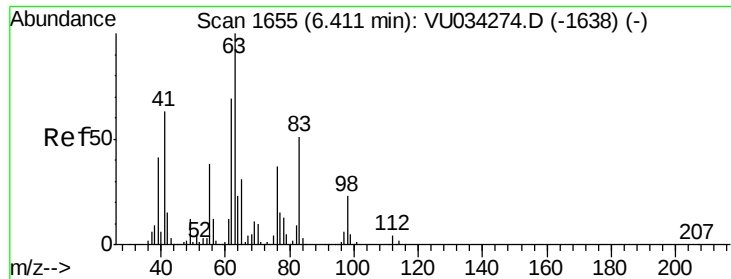
Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Tgt Ion:	130	Resp:	183557
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	189.2





#45

1,2-Dichloropropane

Concen: 57.569 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 196771

Ion Ratio Lower Upper

63 100

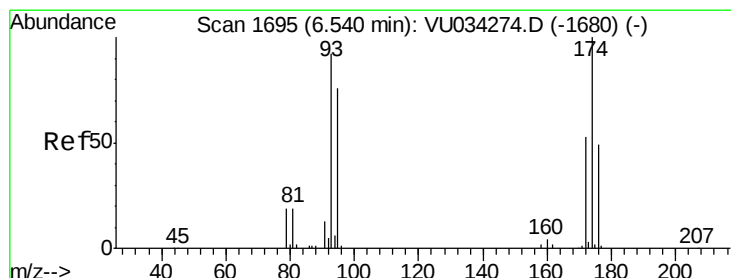
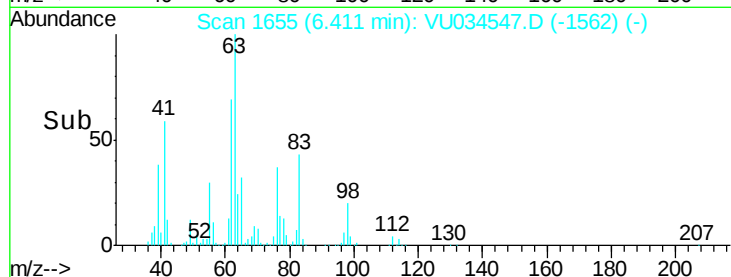
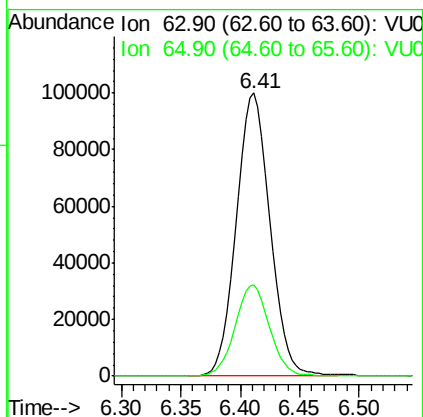
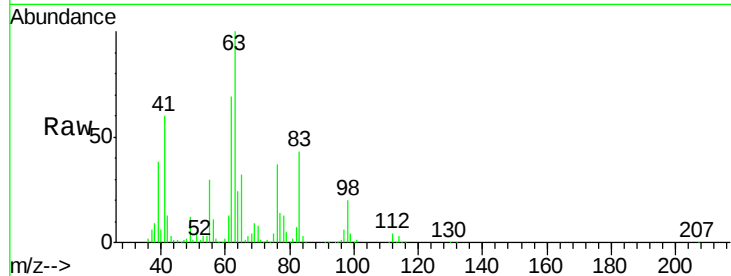
65 32.1 24.6 37.0

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9/16/2019 11:15:44 AM



#46

Dibromomethane

Concen: 57.574 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

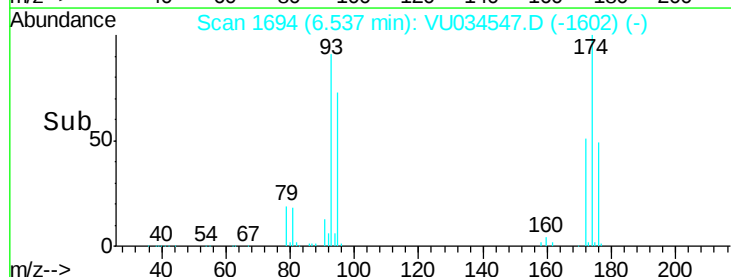
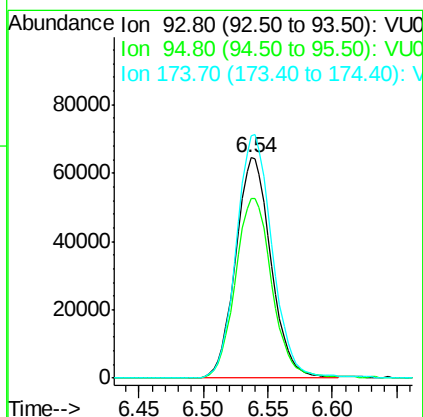
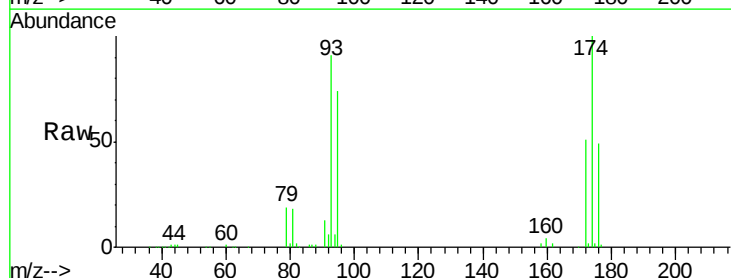
Tgt Ion: 93 Resp: 123524

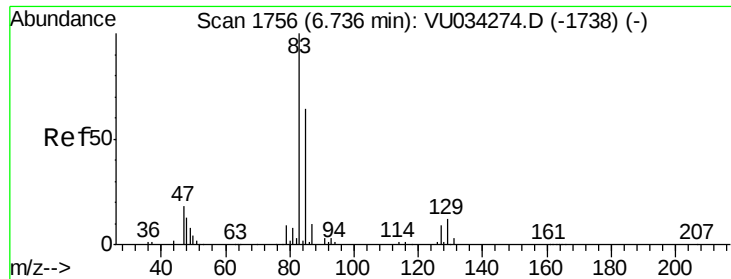
Ion Ratio Lower Upper

93 100

95 84.3 66.5 99.7

174 112.2 87.8 131.6





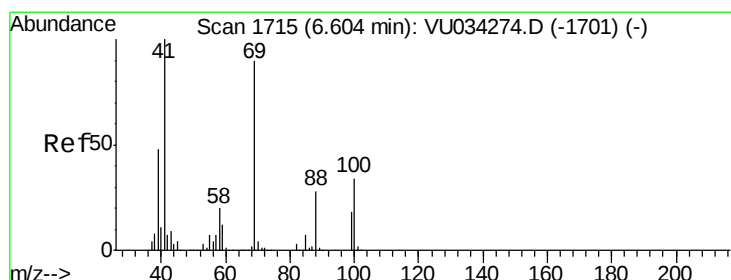
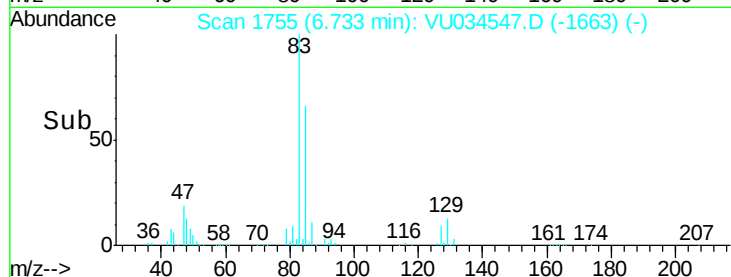
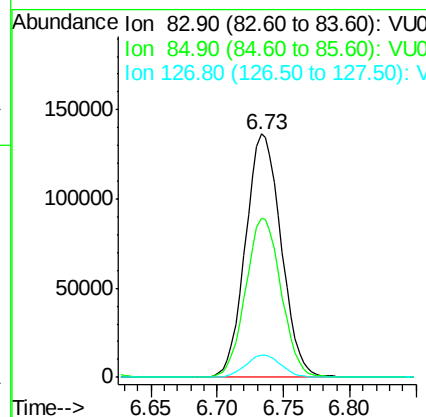
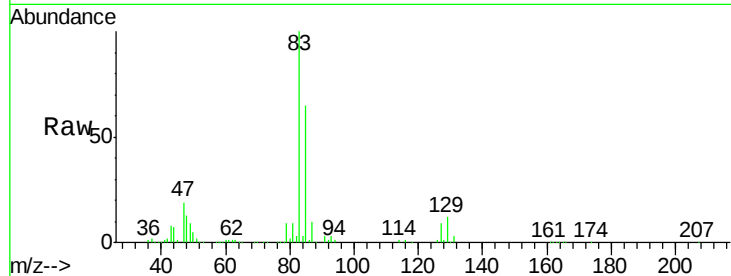
#47
Bromodichloromethane
Concen: 57.813 ug/l
RT: 6.73 min Scan# 1755
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	255321		
85	65.5		51.1	76.7
127	9.1		7.2	10.8

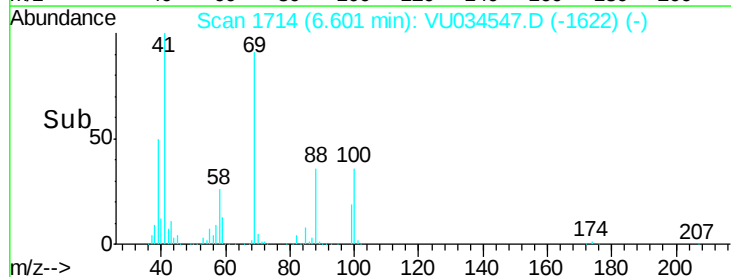
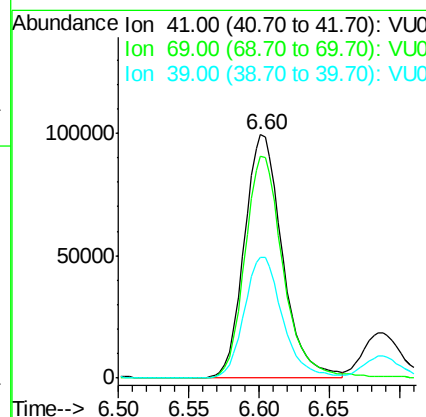
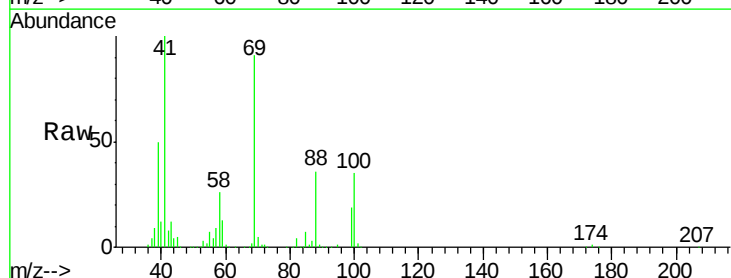
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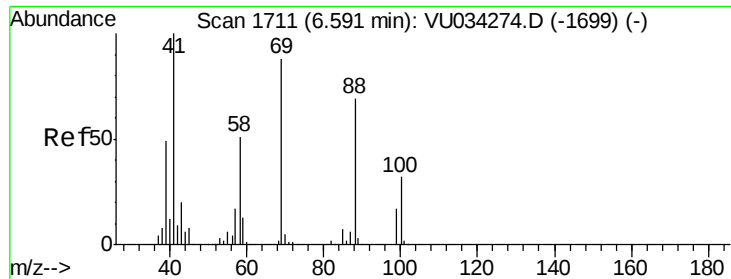
MMDadoda
9/16/2019 11:15:44 AM



#48
Methyl methacrylate
Concen: 58.983 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	187220		
69	92.1		72.8	109.2
39	49.9		38.6	58.0





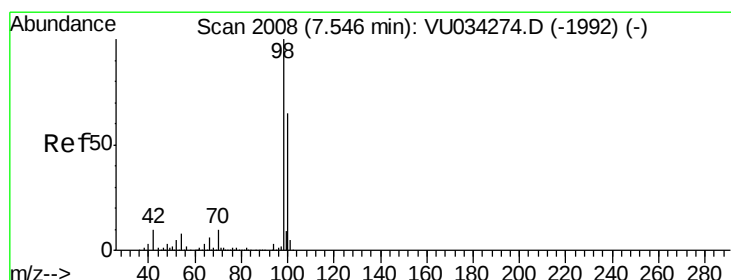
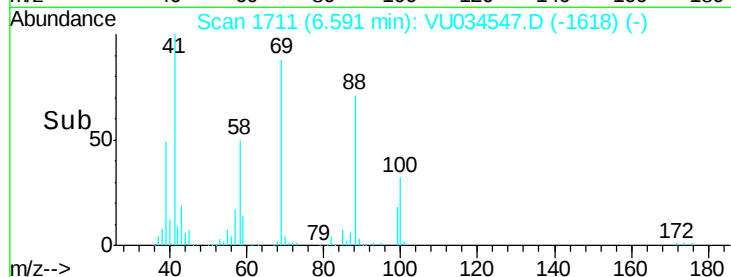
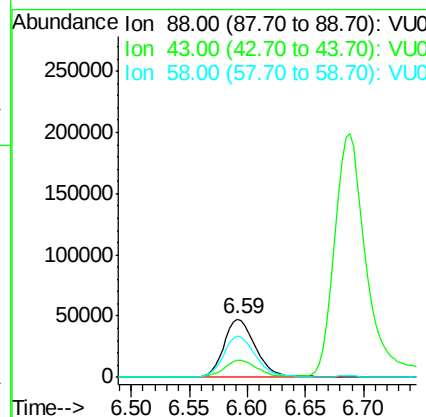
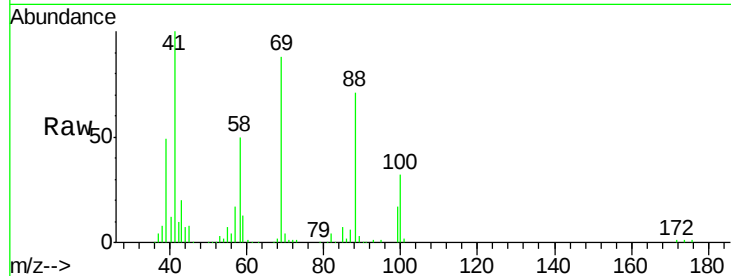
#49
1,4-Dioxane
Concen: 1294.838 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.8	35.6
58	72.3	58.4	87.6

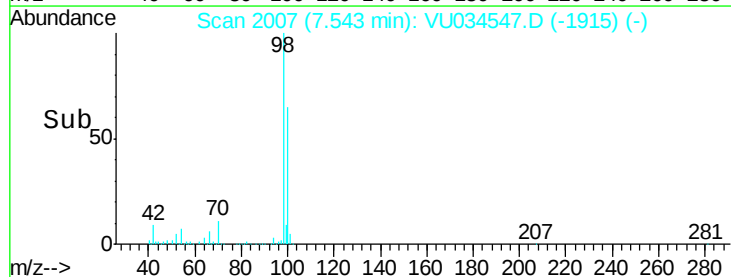
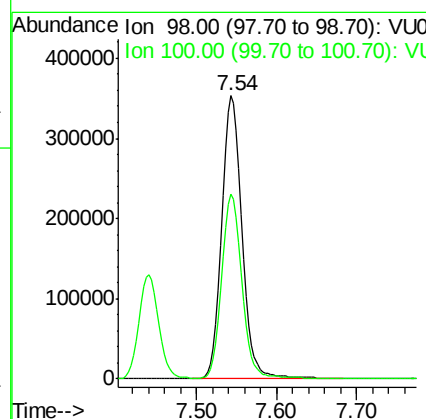
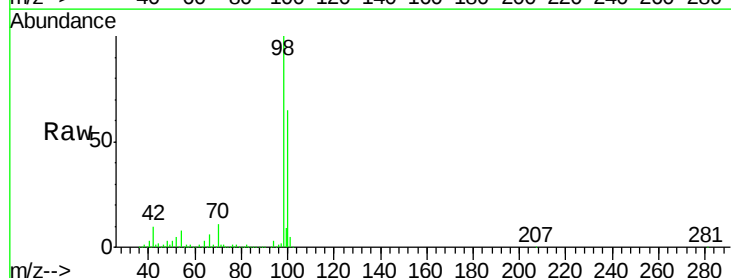
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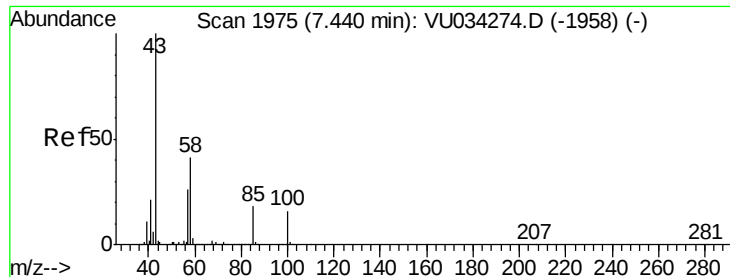
MMDadoda
9/16/2019 11:15:44 AM



#50
Toluene-d8
Concen: 53.650 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 302.866 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1401046

Ion Ratio Lower Upper

43 100

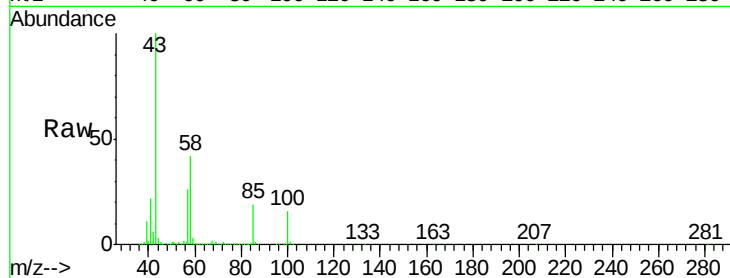
58 41.7 33.0 49.4

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

800000

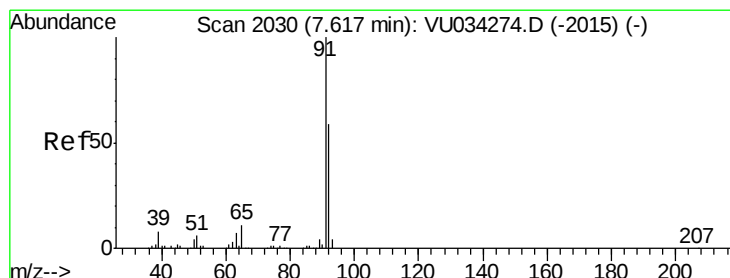
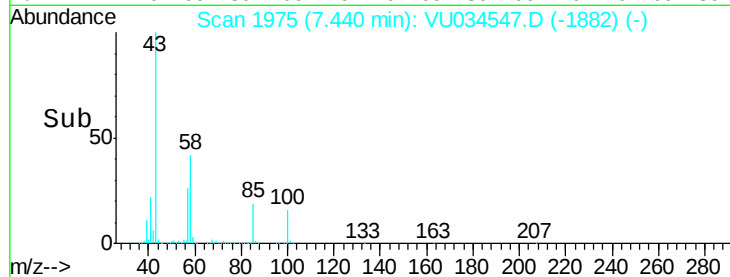
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 58.111 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034547.D

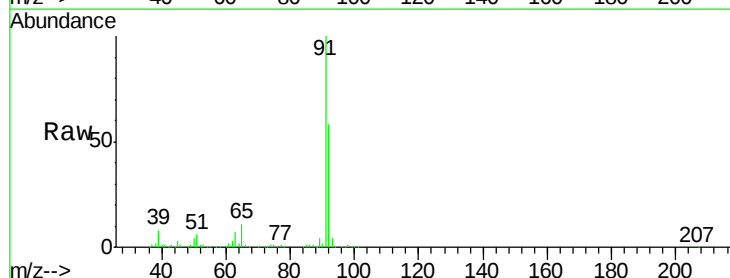
Acq: 13 Sep 2019 01:45

Tgt Ion: 92 Resp: 426202

Ion Ratio Lower Upper

92 100

91 172.0 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

400000

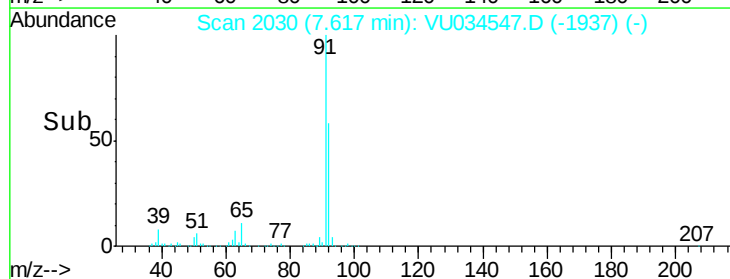
300000

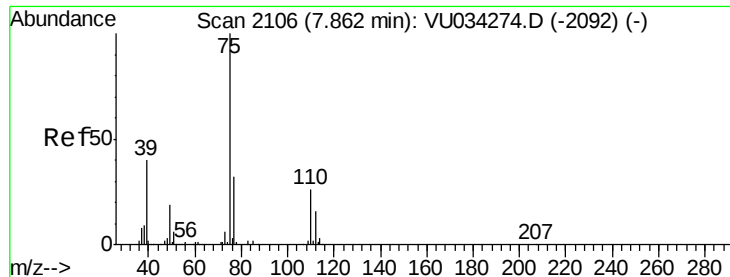
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 57.506 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 263267

Ion Ratio Lower Upper

75 100

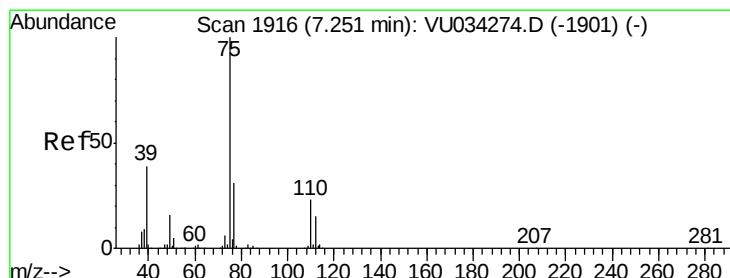
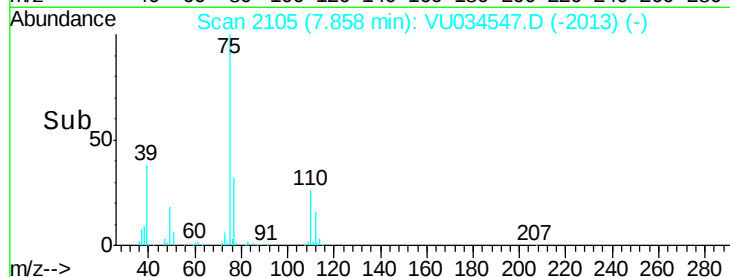
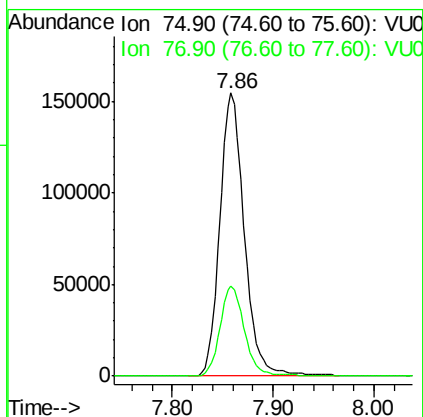
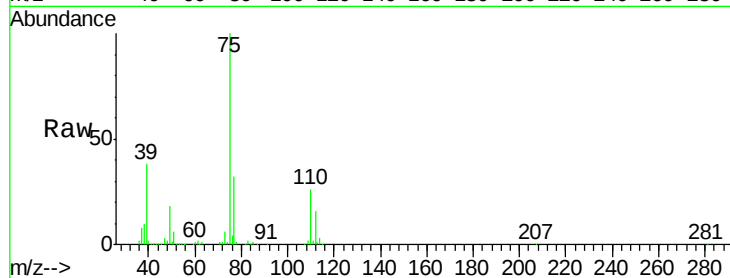
77 31.9 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 57.744 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

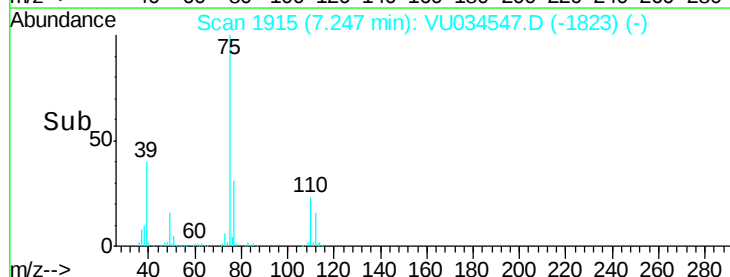
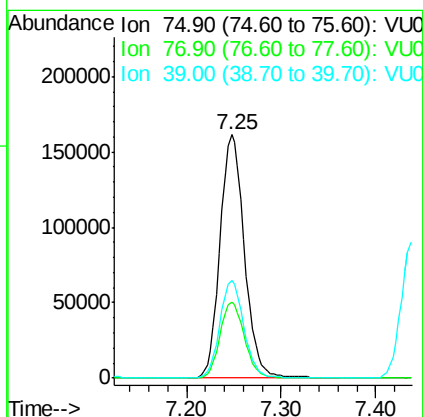
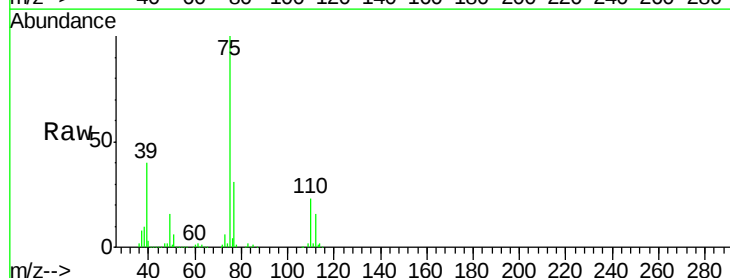
Tgt Ion: 75 Resp: 290139

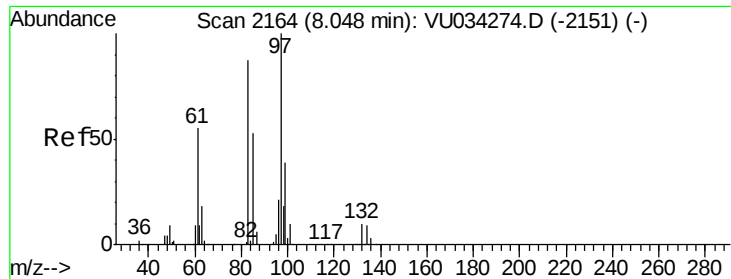
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 40.2 31.2 46.8





#55

1,1,2-Trichloroethane

Concen: 58.848 ug/l

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

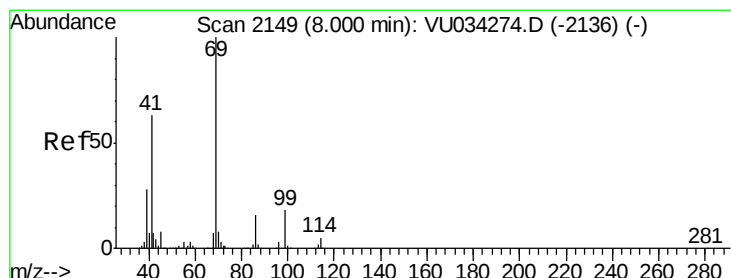
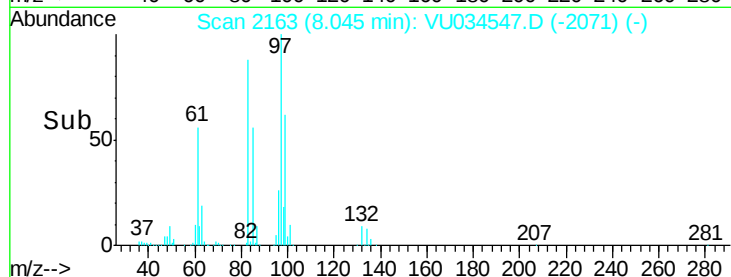
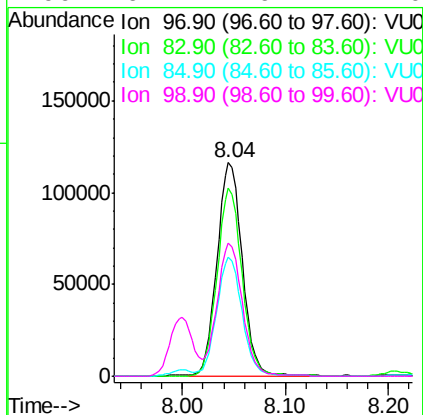
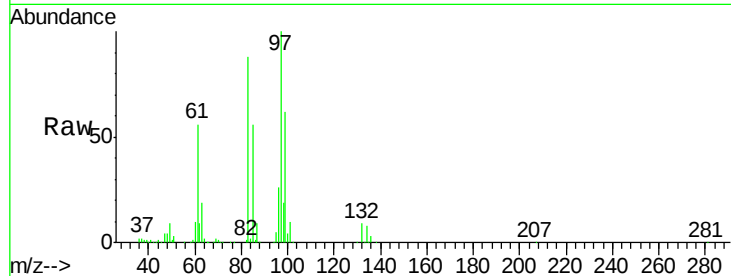
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	195983
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.0	103.6
85	55.8	44.2	66.2
99	62.1	49.4	74.0

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#56

Ethyl methacrylate

Concen: 56.192 ug/l

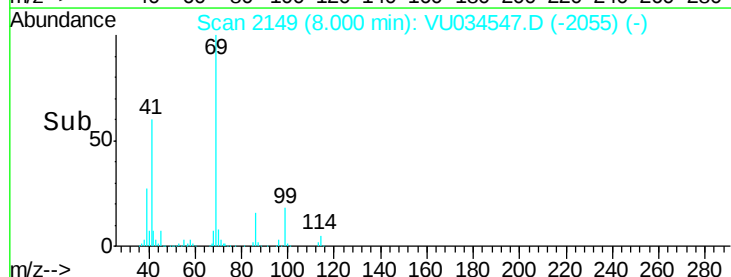
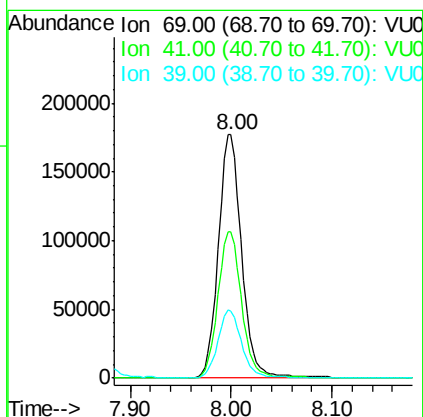
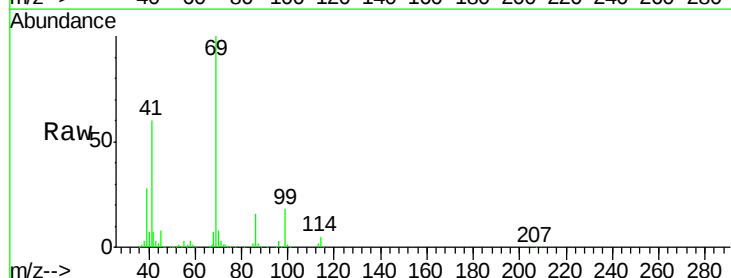
RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Tgt Ion:	69	Resp:	286369
Ion	Ratio	Lower	Upper
69	100		
41	61.3	49.5	74.3
39	28.1	22.5	33.7





#57

1,3-Dichloropropane

Concen: 58.541 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 317465

Ion Ratio Lower Upper

76 100

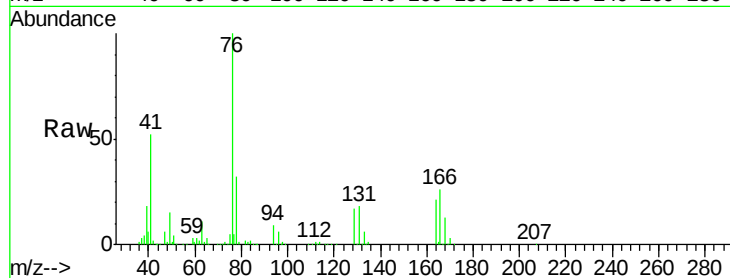
78 32.0 25.4 38.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.22

200000

150000

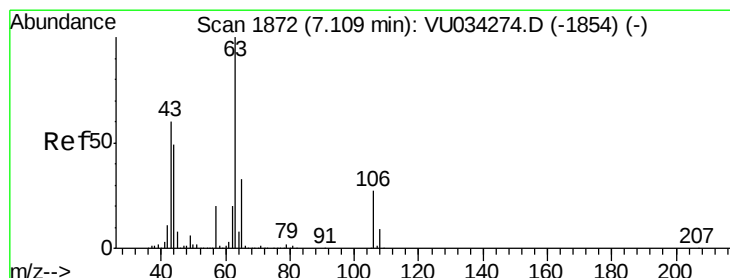
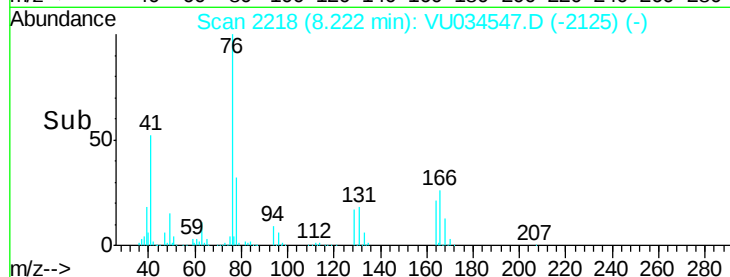
100000

50000

0

8.20 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 250.266 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034547.D

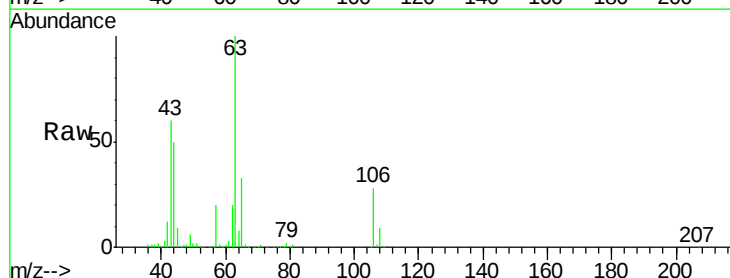
Acq: 13 Sep 2019 01:45

Tgt Ion: 63 Resp: 428441

Ion Ratio Lower Upper

63 100

106 27.2 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.11

300000

250000

200000

150000

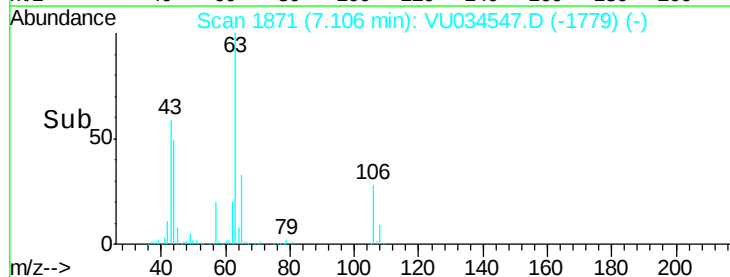
100000

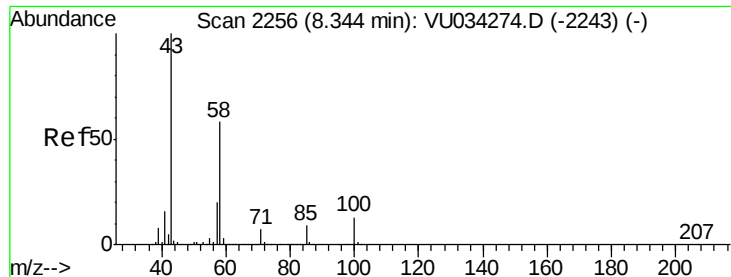
50000

0

7.00 7.10 7.20

Time-->





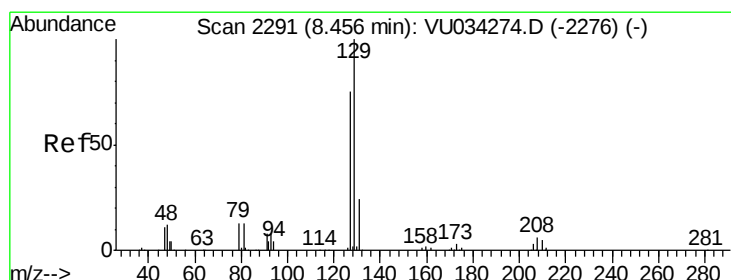
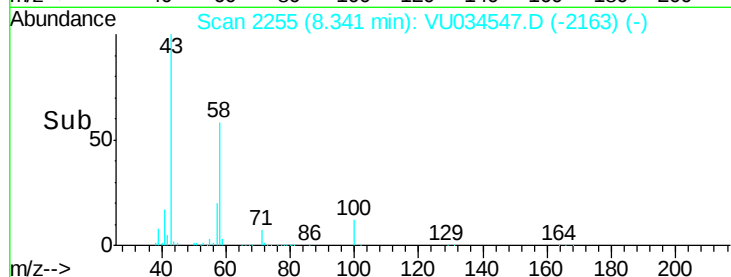
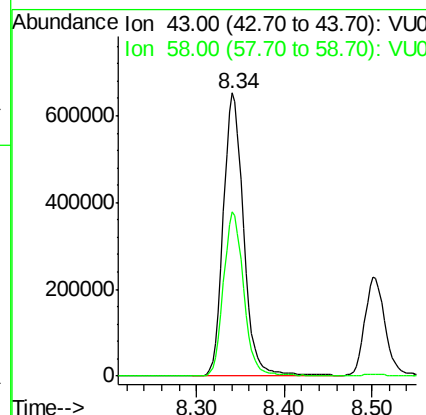
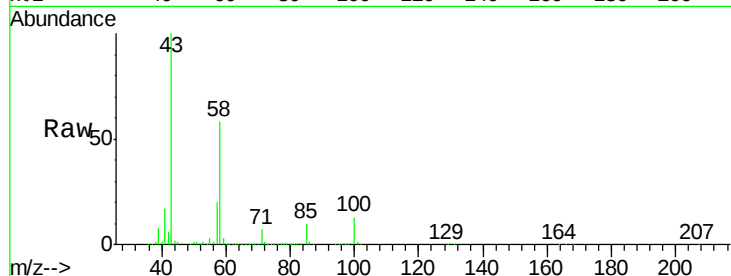
#59
2-Hexanone
Concen: 304.739 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1053128
Ion Ratio Lower Upper
43 100
58 57.9 28.8 86.5

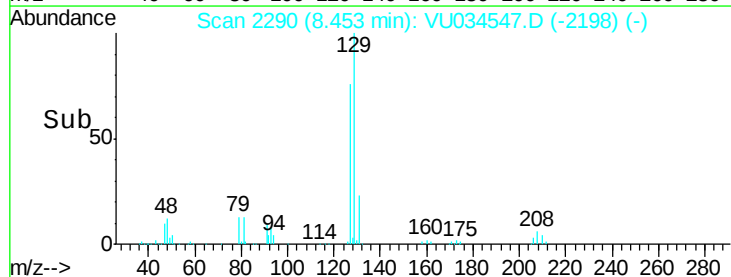
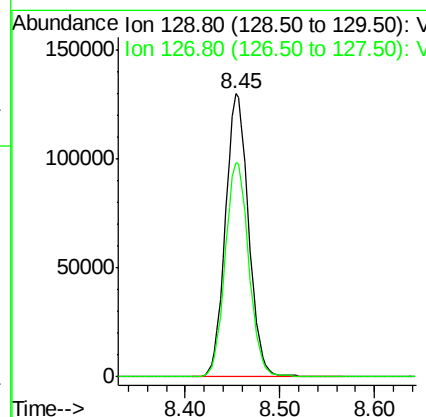
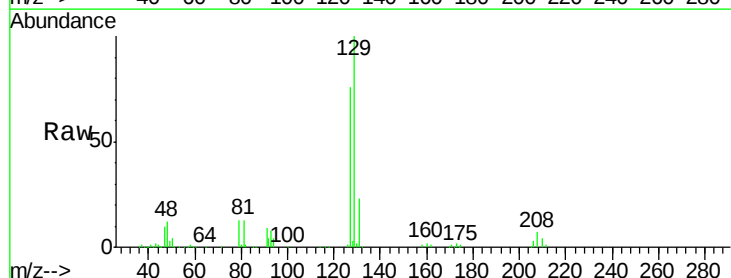
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#60
Dibromochloromethane
Concen: 62.069 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion: 129 Resp: 221718
Ion Ratio Lower Upper
129 100
127 76.9 37.9 113.7





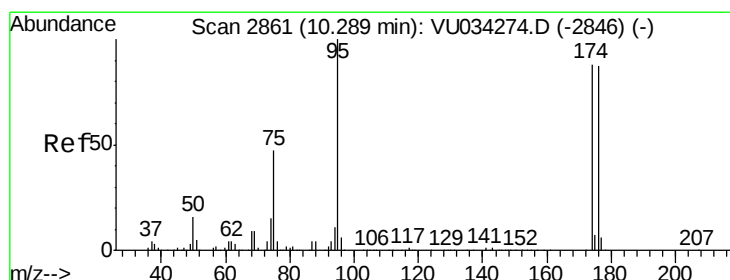
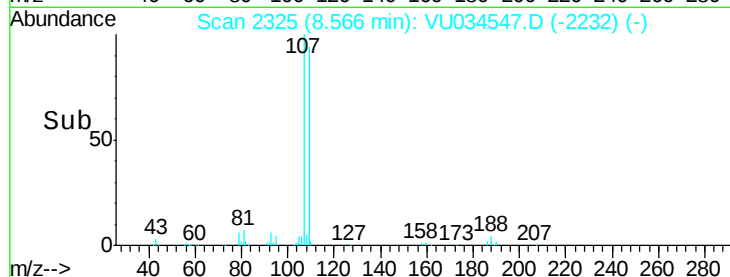
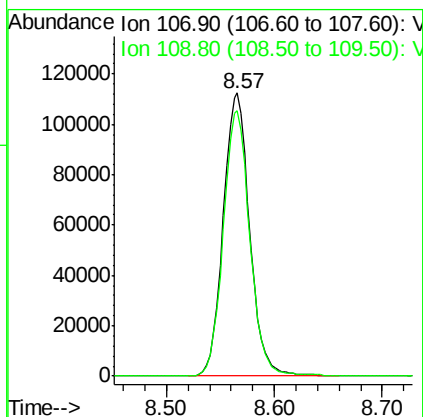
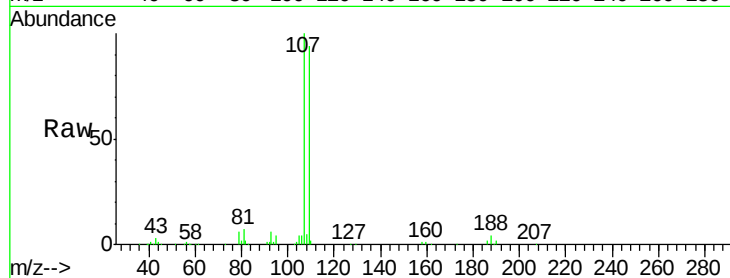
#61
 1,2-Dibromoethane
 Concen: 58.766 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.0	112.6

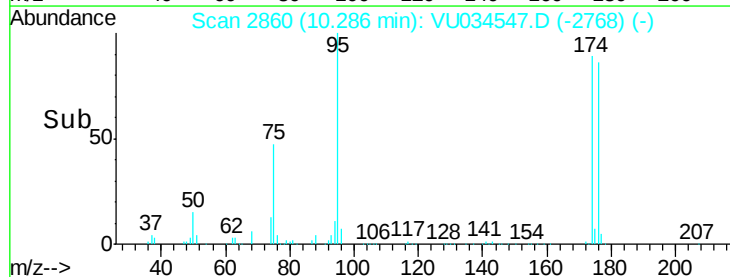
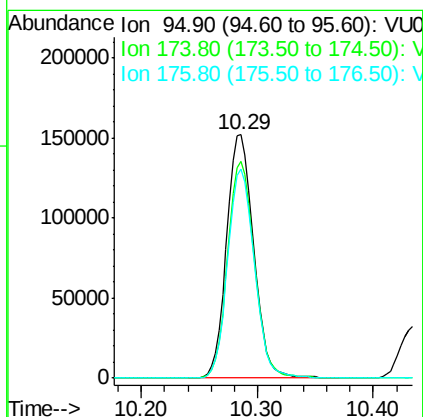
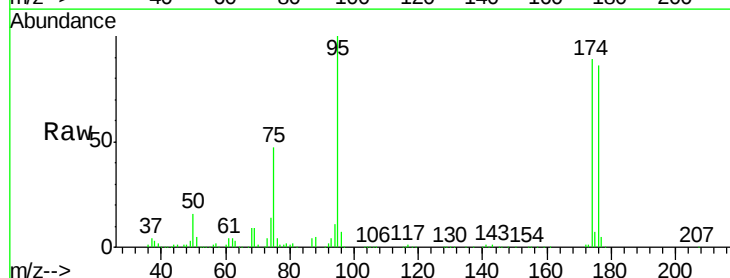
Manual Integrations
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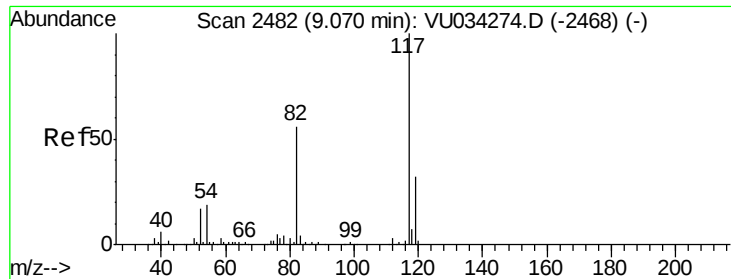
MMDadoda
 9/16/2019 11:15:44 AM



#62
 4-Bromofluorobenzene
 Concen: 54.500 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	175.2
176	85.0	0.0	168.0





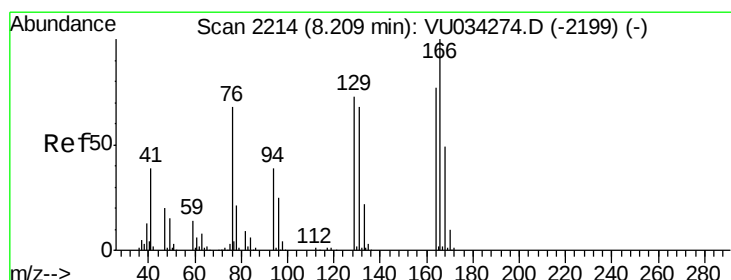
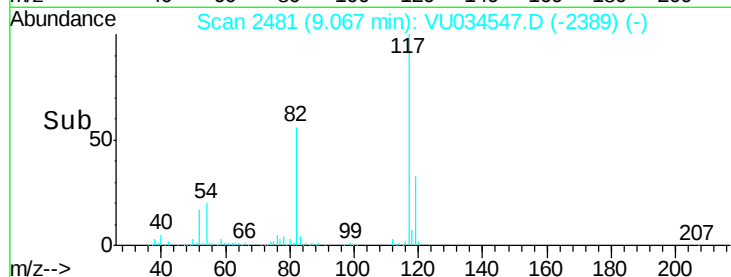
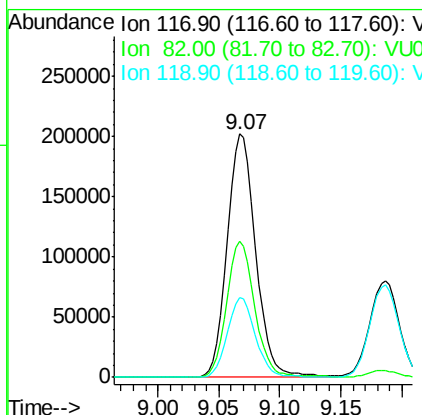
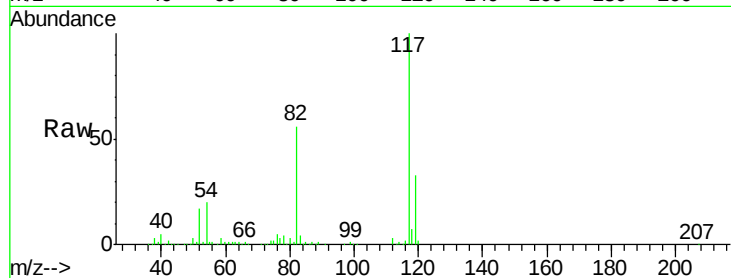
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	333205		
82	56.1		44.6	67.0
119	32.6		25.9	38.9

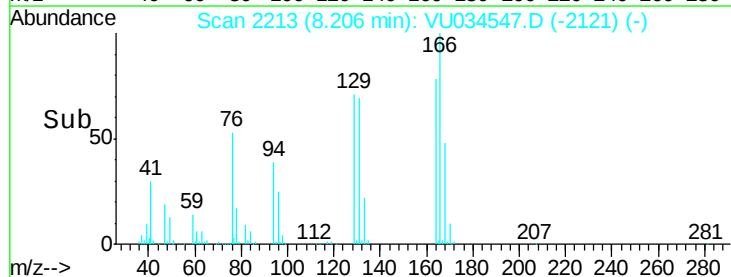
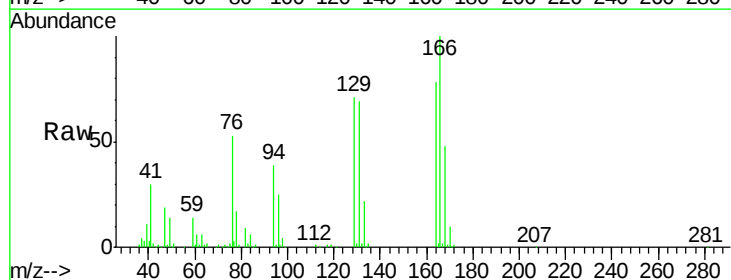
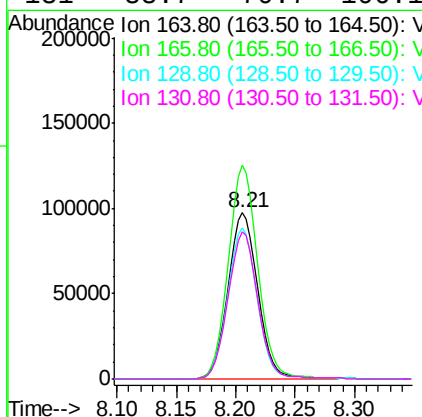
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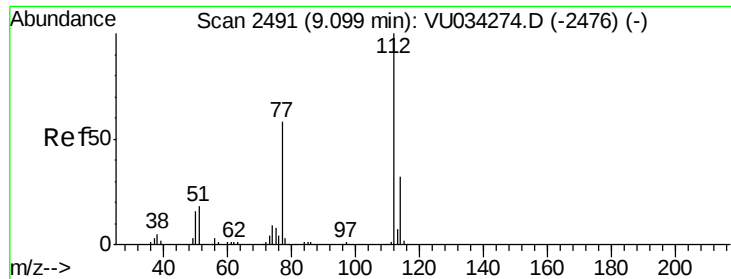
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#64
Tetrachloroethene
Concen: 58.526 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	169183		
166	128.7		103.7	155.5
129	90.9		75.8	113.8
131	88.7		70.7	106.1





#65

Chlorobenzene

Concen: 59.062 ug/l

RT: 9.10 min Scan# 2490

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 499284

Ion Ratio Lower Upper

112 100

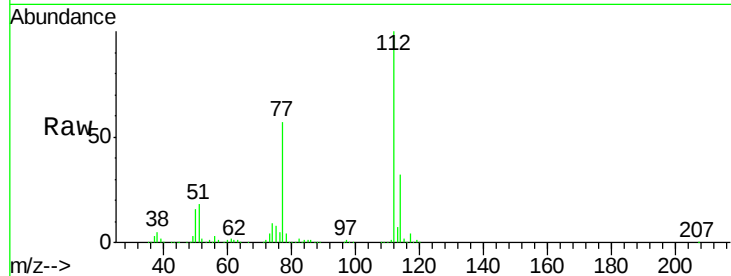
114 32.0 25.9 38.9

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.10

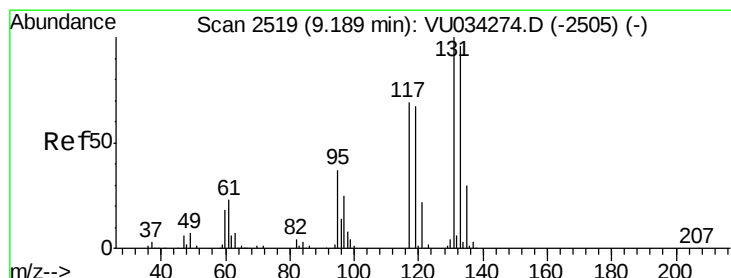
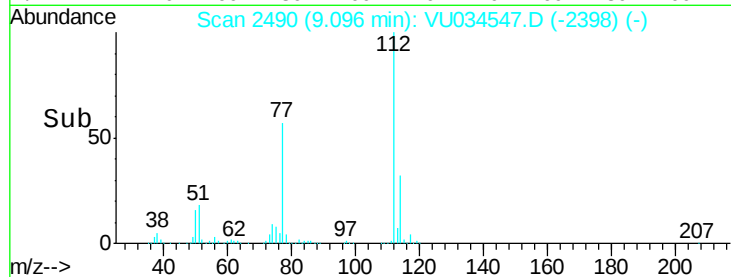
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 59.605 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

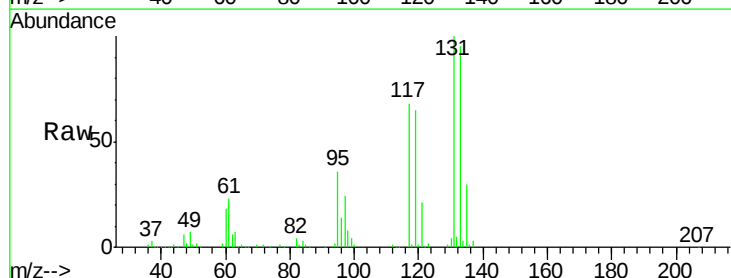
Tgt Ion:131 Resp: 192295

Ion Ratio Lower Upper

131 100

133 95.9 47.9 143.7

119 65.6 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.19

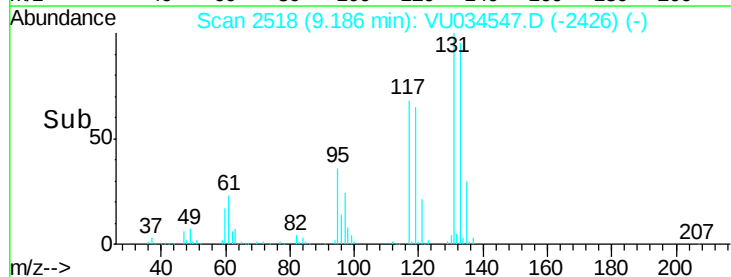
150000

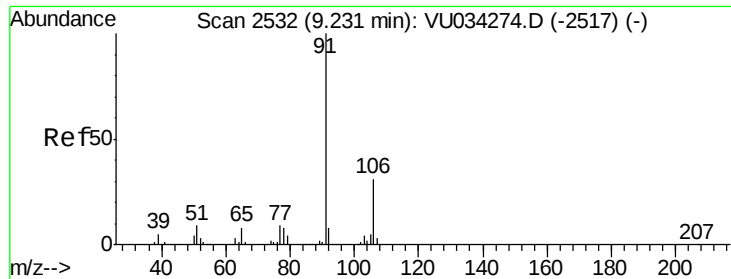
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 59.944 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 828552

Ion Ratio Lower Upper

91 100

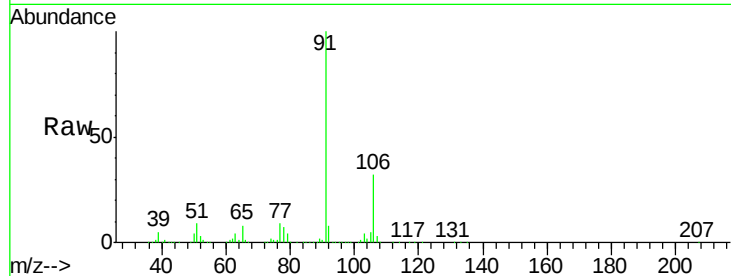
106 31.7 24.8 37.2

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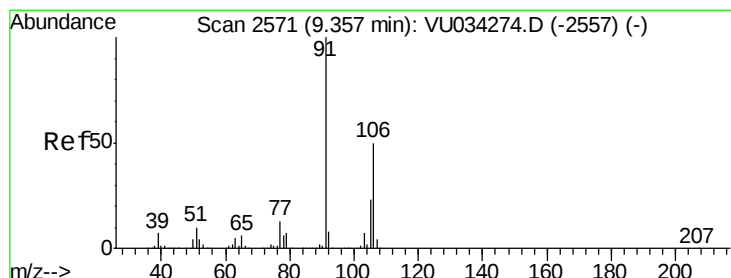
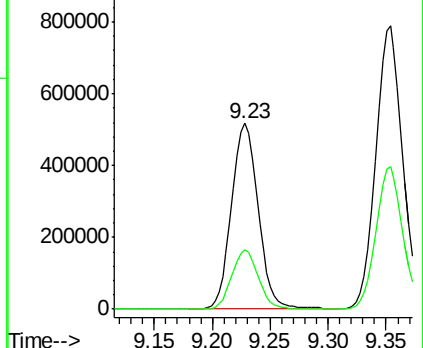
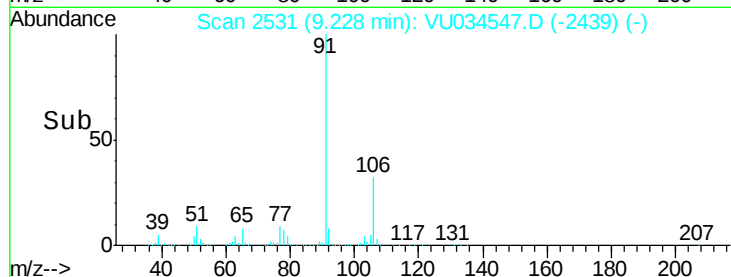
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Abundance Ion 91.00 (90.70 to 91.70): VU034547.D (-2439) (-)

Ion 106.00 (105.70 to 106.70): VU034547.D (-2439) (-)



#68

m/p-Xylenes

Concen: 125.012 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034547.D

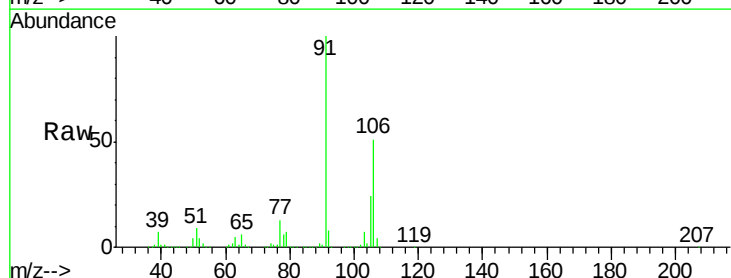
Acq: 13 Sep 2019 01:45

Tgt Ion: 106 Resp: 650666

Ion Ratio Lower Upper

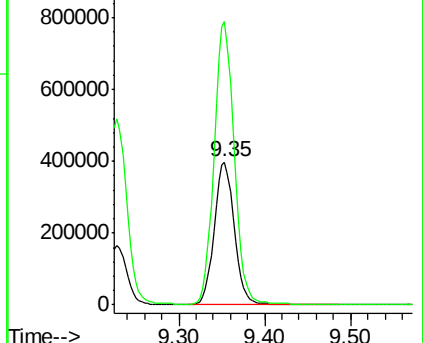
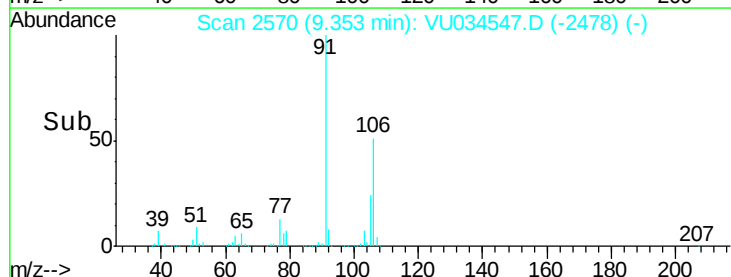
106 100

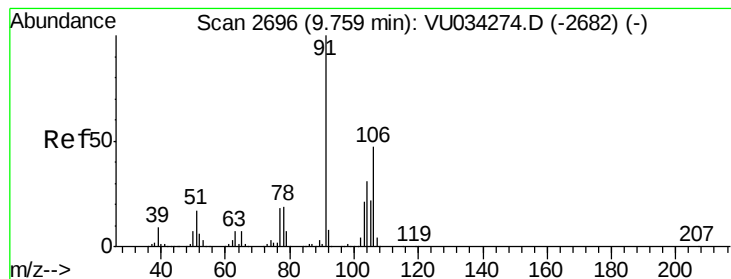
91 198.4 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VU034547.D (-2478) (-)

Ion 91.00 (90.70 to 91.70): VU034547.D (-2478) (-)





#69

o-Xylene

Concen: 62.576 ug/l

RT: 9.76 min Scan# 2696

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 318519

Ion Ratio Lower Upper

106 100

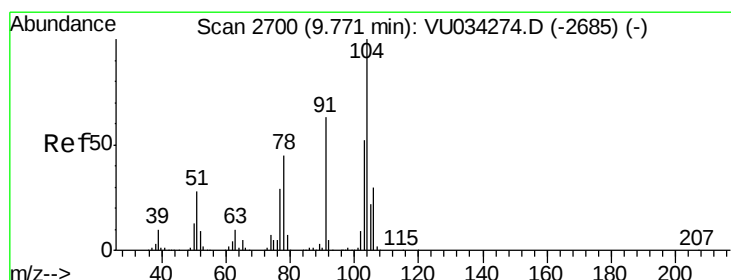
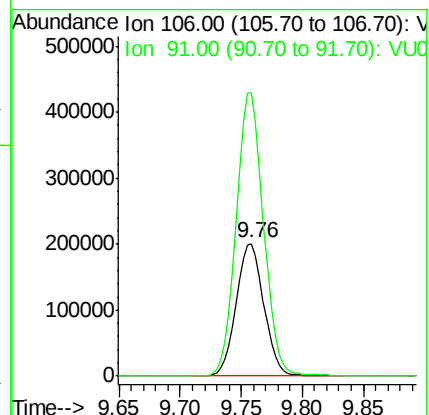
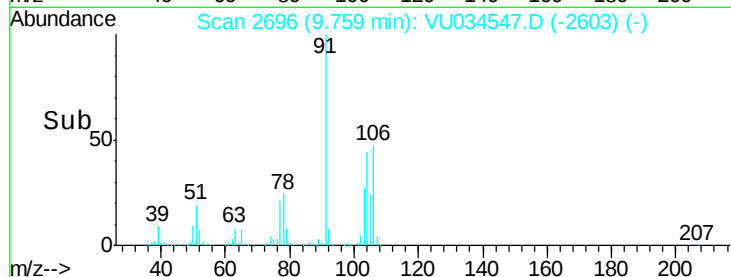
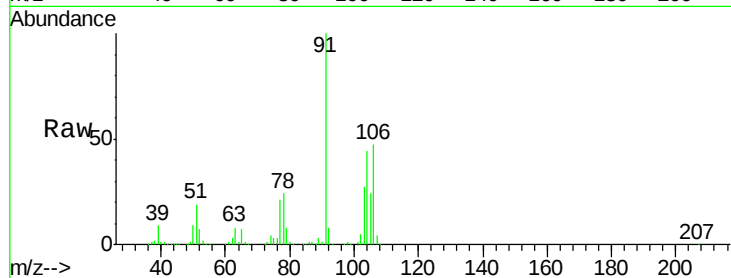
91 211.0 105.1 315.3

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#70

Styrene

Concen: 64.995 ug/l

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

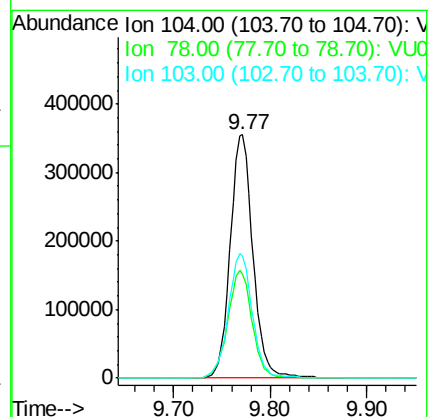
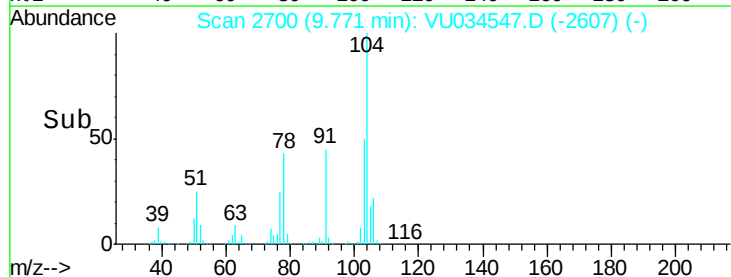
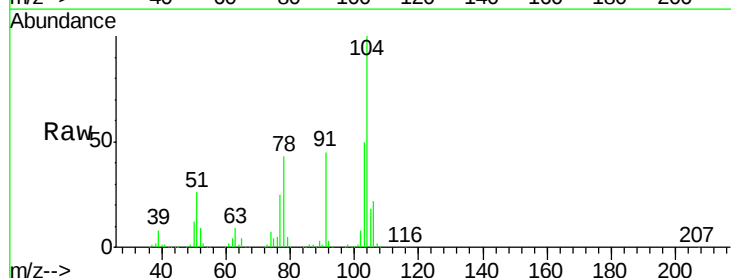
Tgt Ion:104 Resp: 580036

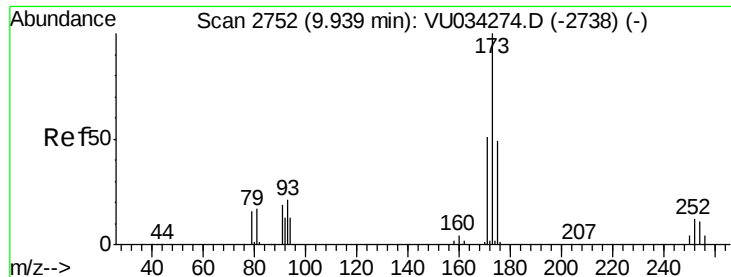
Ion Ratio Lower Upper

104 100

78 47.4 38.6 57.8

103 54.1 44.2 66.4





#71

Bromoform

Concen: 61.693 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

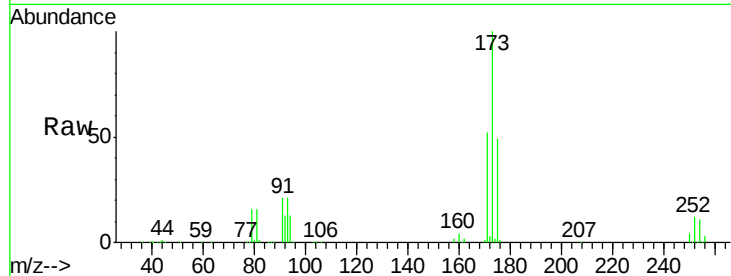
ClientSampleId :

VSTDCCC050EC

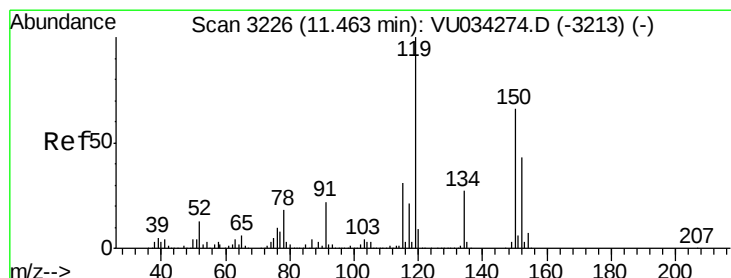
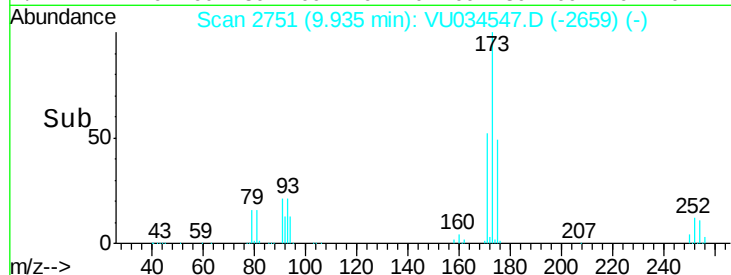
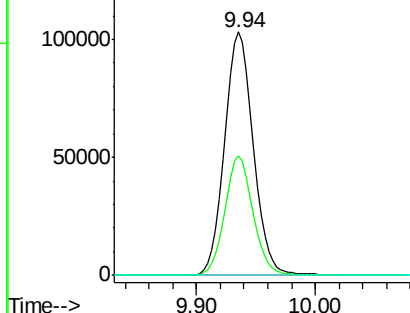
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.4	73.2
254	0.1	0.0	0.0#

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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# 3225

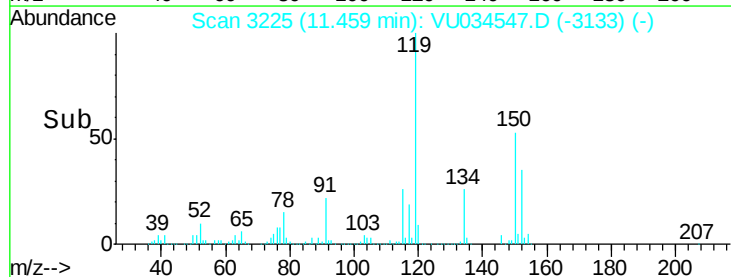
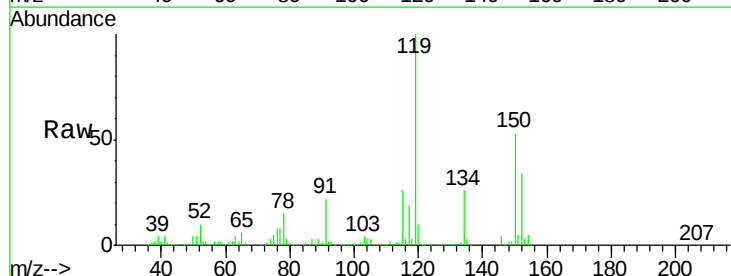
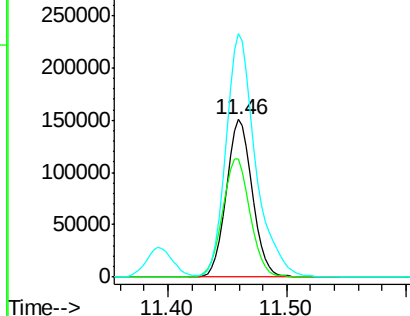
Delta R.T. -0.00 min

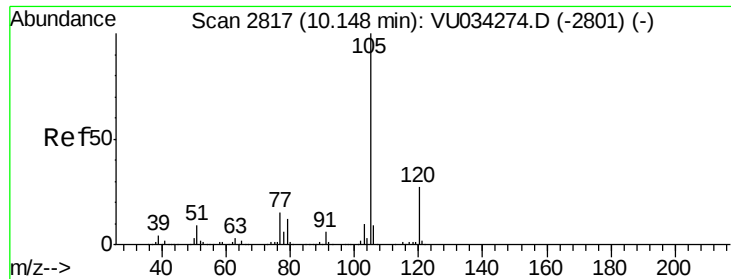
Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.8	39.1	117.3
150	173.9	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: 59.231 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 879780

Ion Ratio Lower Upper

105 100

120 26.4

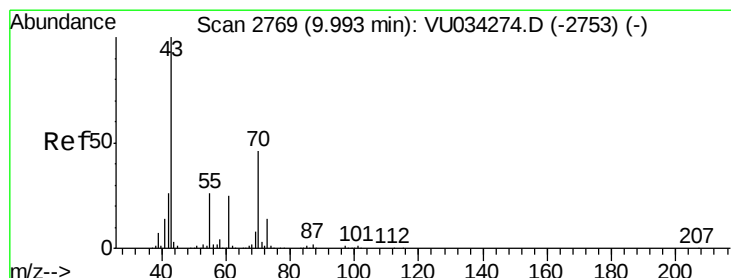
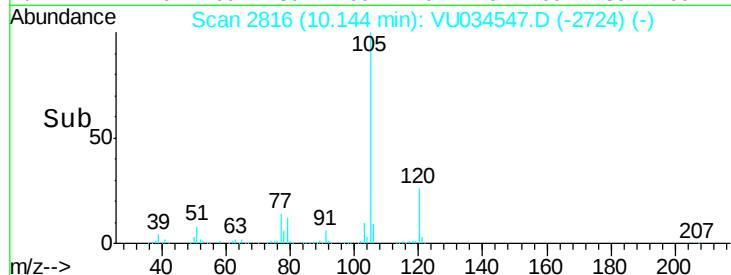
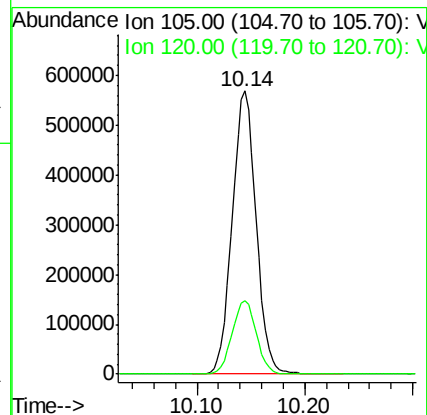
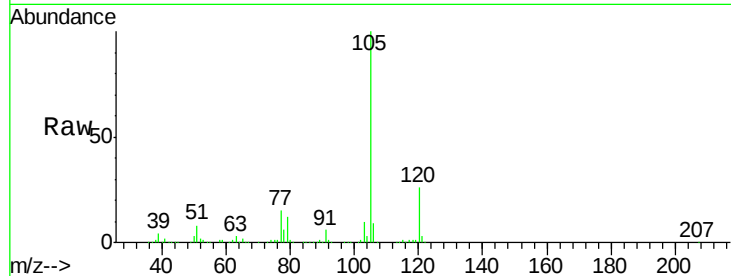
13.4 40.2

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#74

N-ethyl acetate

Concen: 61.122 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Tgt Ion: 43 Resp: 365445

Ion Ratio Lower Upper

43 100

70 45.8

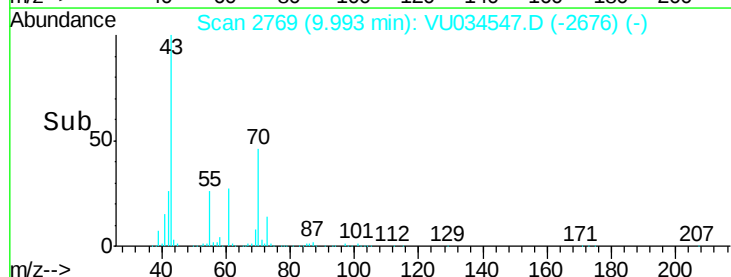
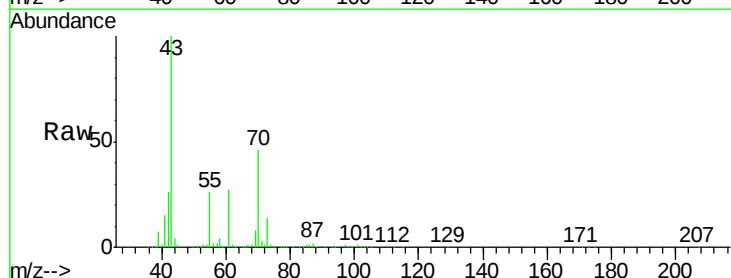
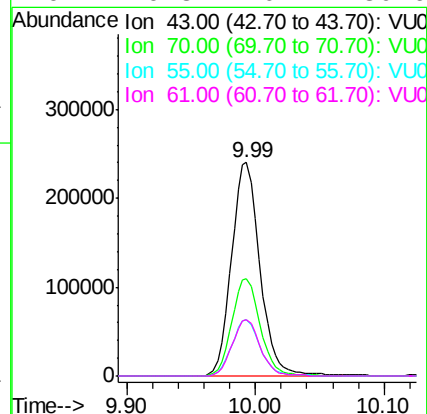
36.4 54.6

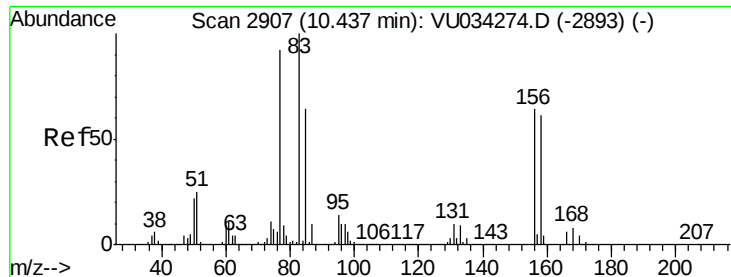
55 26.5

21.2 31.8

61 26.3

20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 56.322 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

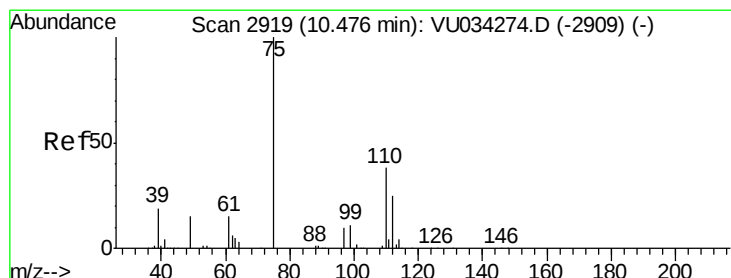
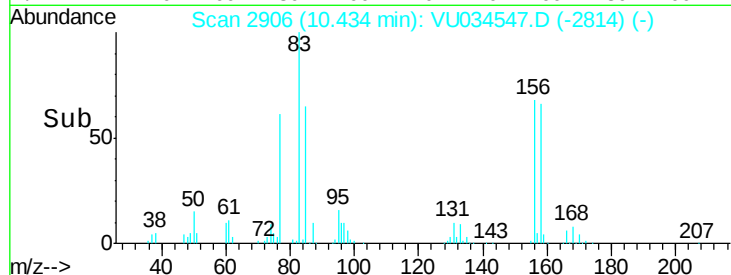
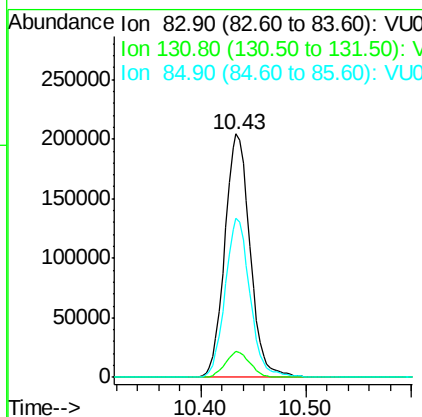
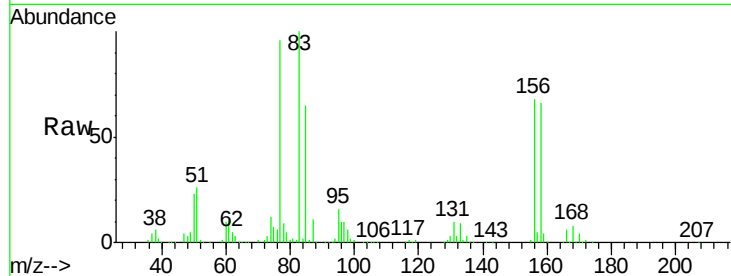
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	338628
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.2
85	64.3	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 58.136 ug/l m

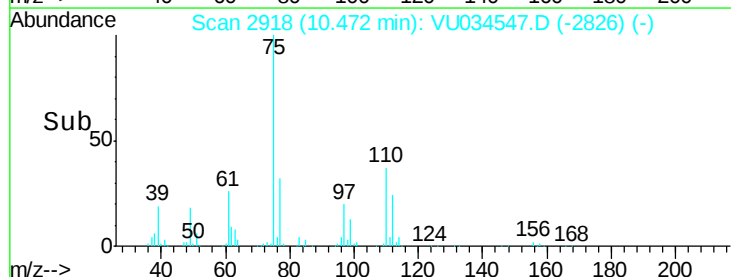
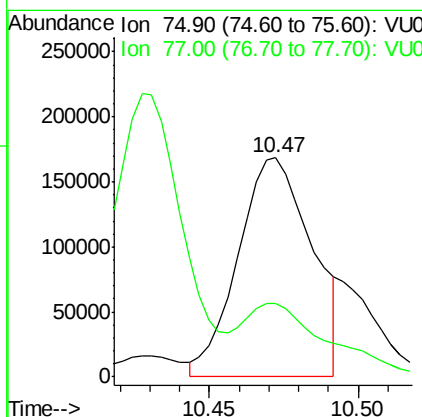
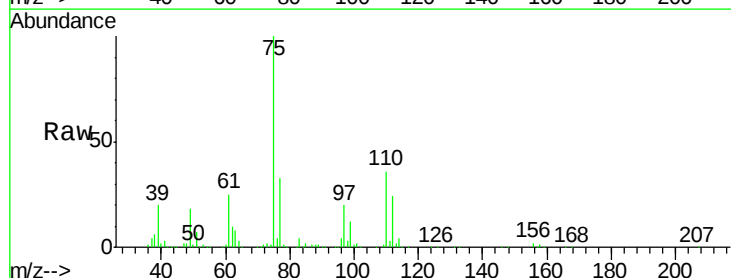
RT: 10.47 min Scan# 2918

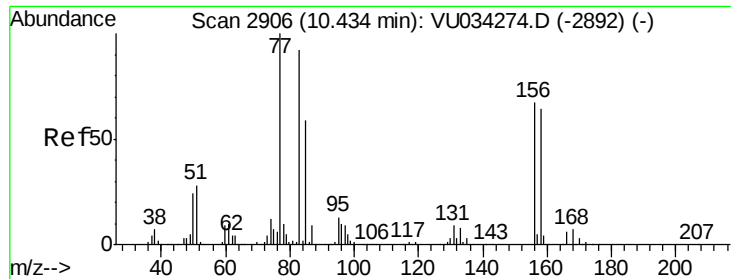
Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Tgt Ion:	75	Resp:	289642
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.8	62.2





#77

Bromobenzene

Concen: 57.962 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

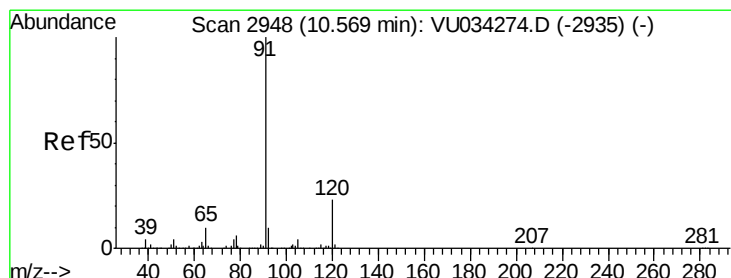
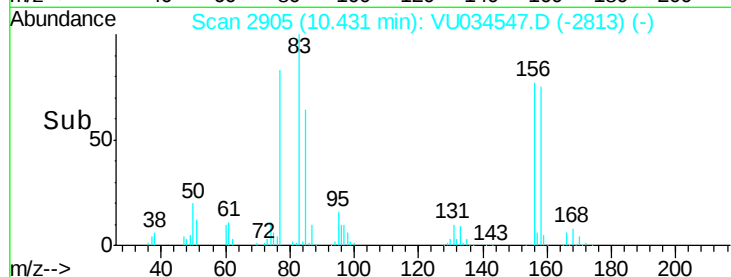
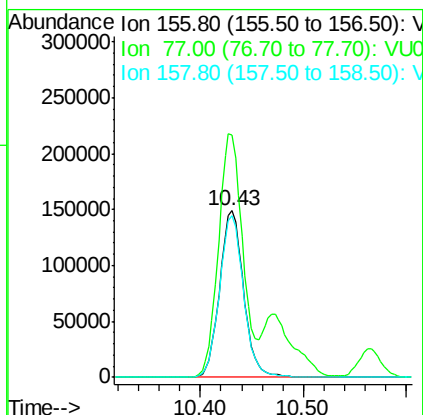
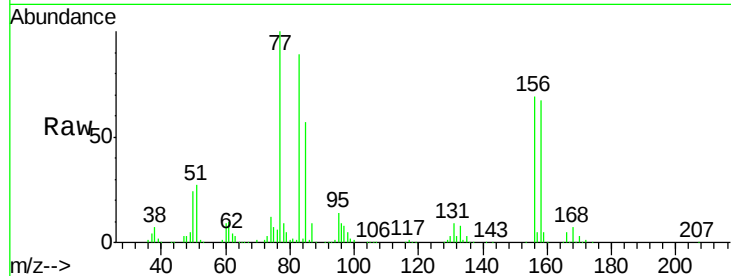
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	240728
Ion Ratio	Lower	Upper	
156	100		
77	148.9	75.6	226.9
158	97.8	48.2	144.6

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#78

n-propylbenzene

Concen: 58.700 ug/l

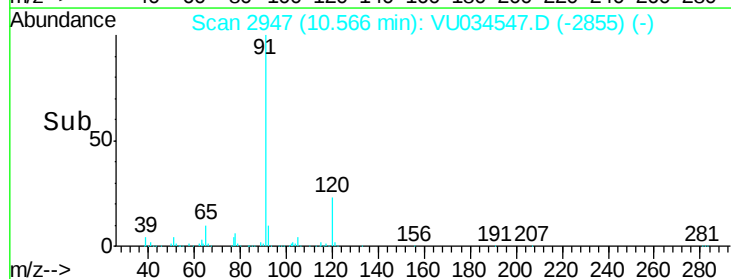
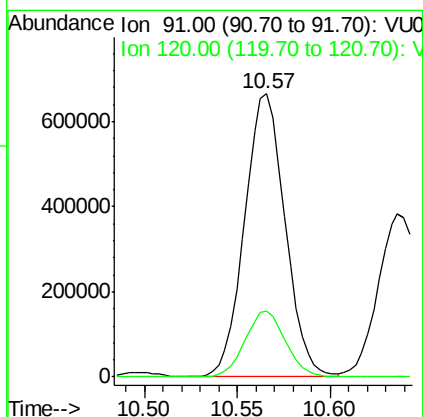
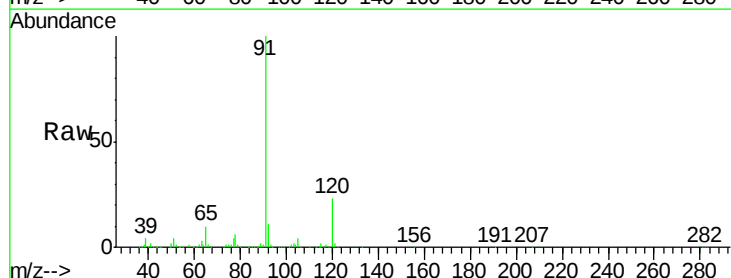
RT: 10.57 min Scan# 2947

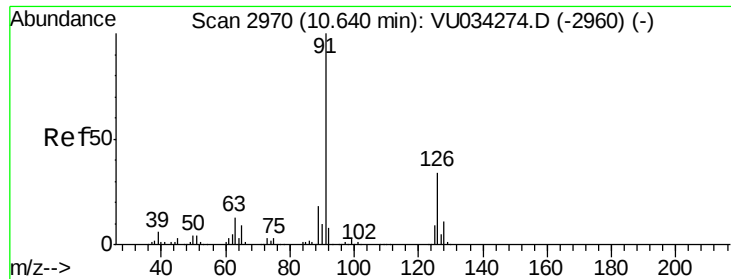
Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Tgt Ion:	91	Resp:	1006948
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.0





#79

2-Chlorotoluene

Concen: 58.496 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 612271

Ion Ratio Lower Upper

91 100

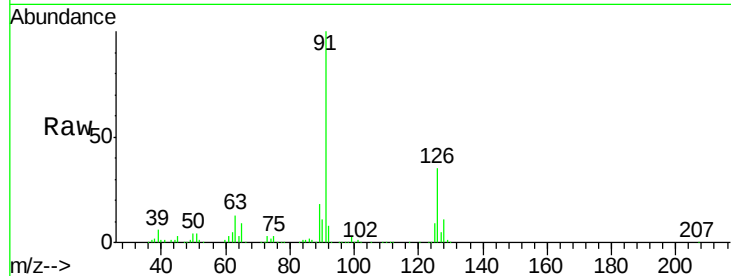
126 34.6 17.3 51.9

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Abundance Ion 91.00 (90.70 to 91.70): VU034274.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034274.D (-2960) (-)

600000

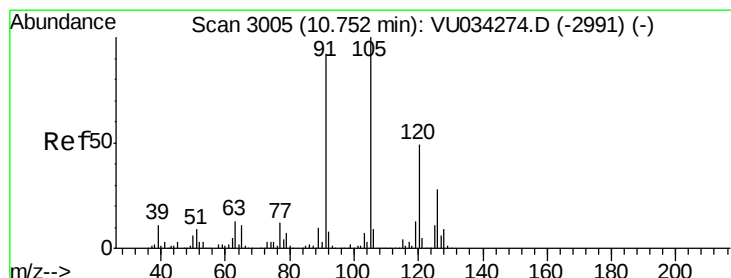
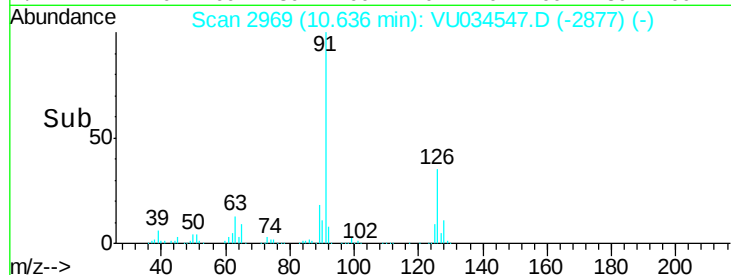
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 61.005 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034547.D

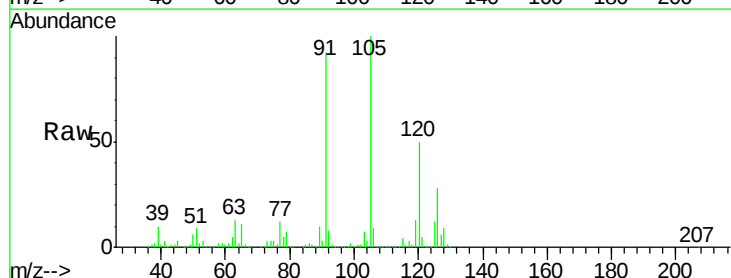
Acq: 13 Sep 2019 01:45

Tgt Ion: 105 Resp: 757833

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034274.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034274.D (-2991) (-)

500000

400000

300000

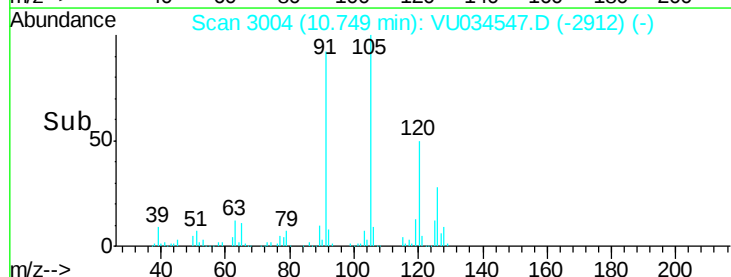
200000

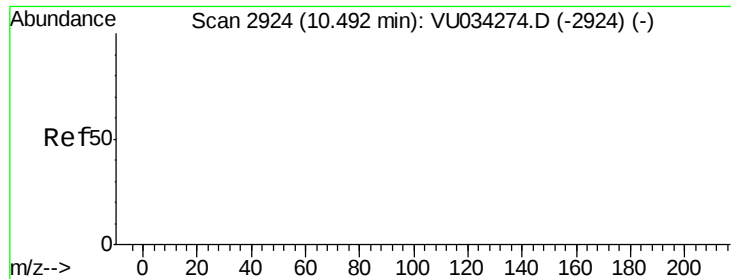
100000

0

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.518 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU034547.D

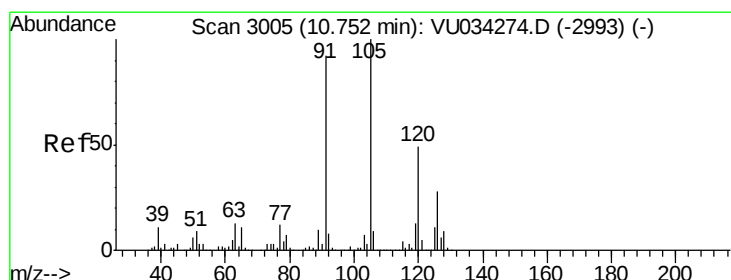
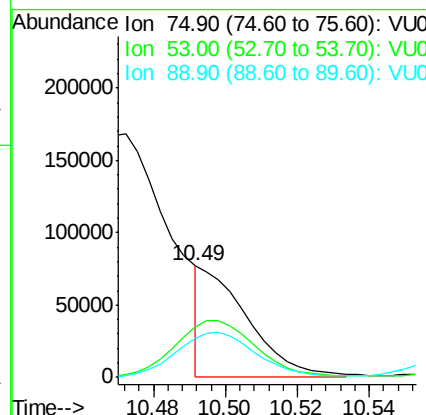
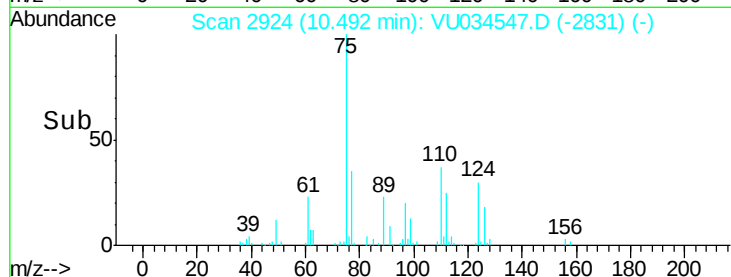
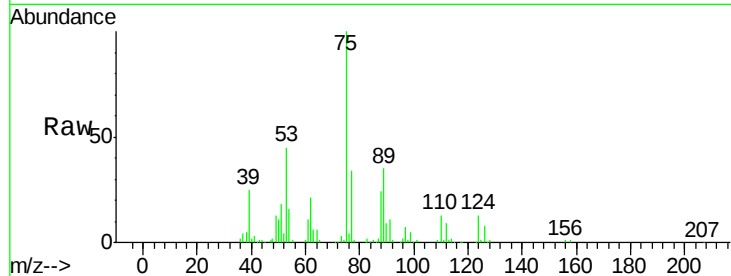
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 59.016 ug/l

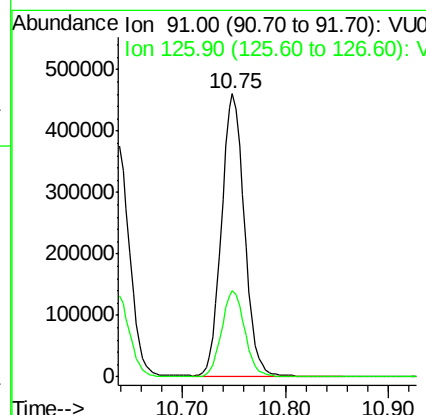
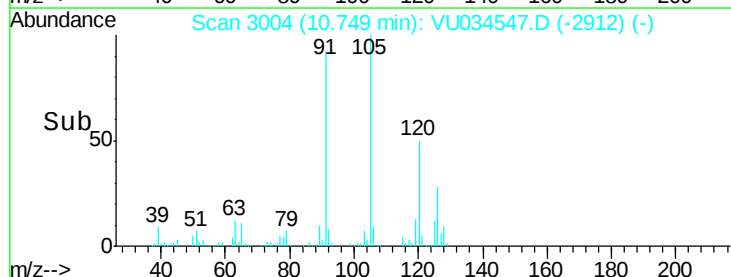
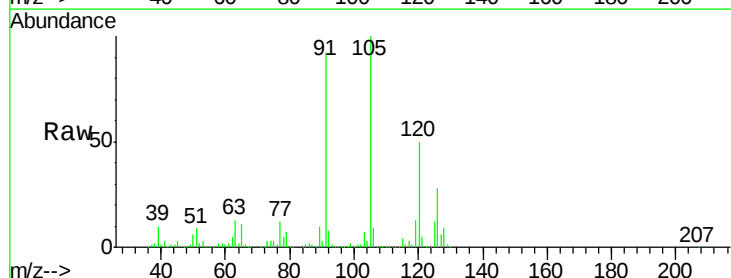
RT: 10.75 min Scan# 3004

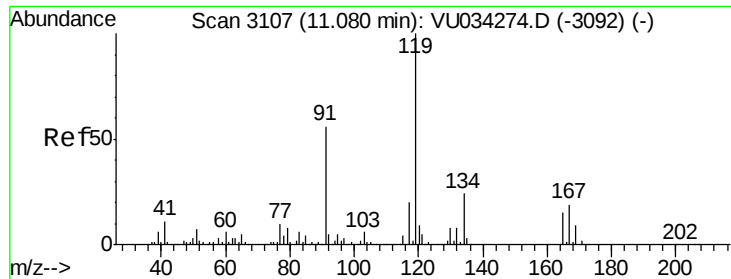
Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.8





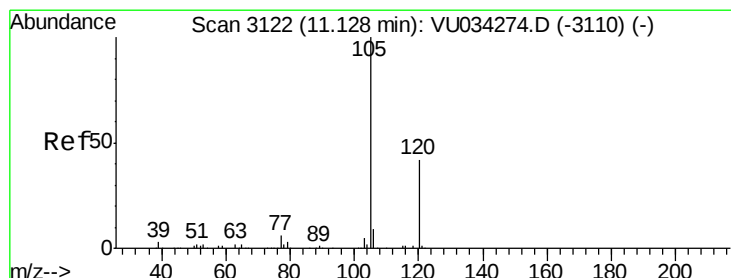
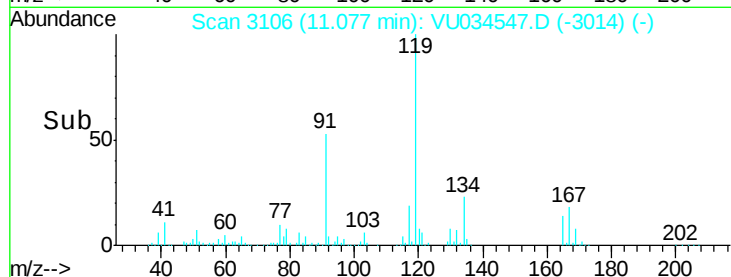
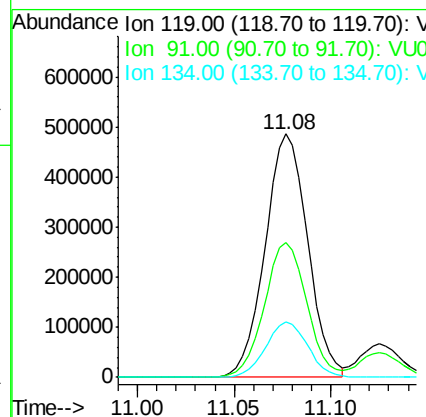
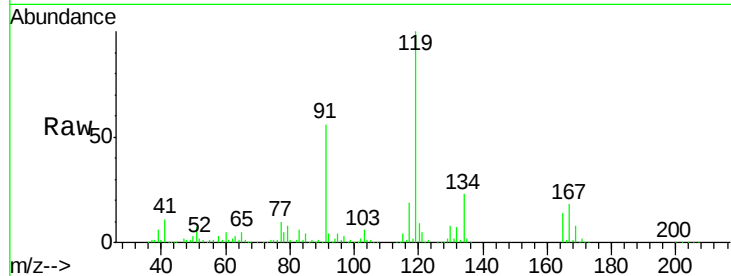
#83
tert-Butylbenzene
Concen: 59.772 ug/l
RT: 11.08 min Scan# 3106
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.2	27.8	83.4
134	22.7	11.7	35.0

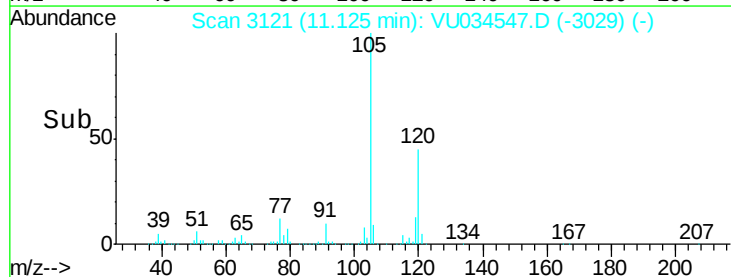
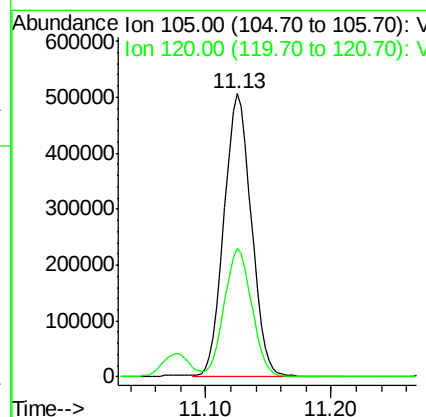
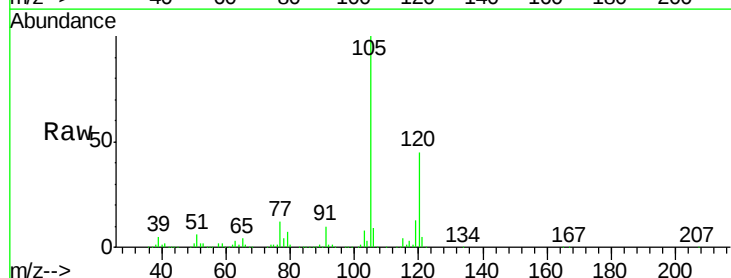
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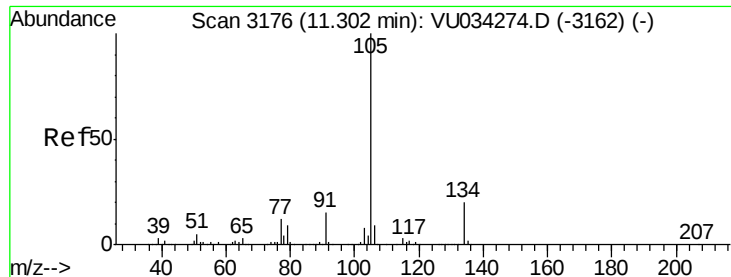
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#84
1,2,4-Trimethylbenzene
Concen: 61.135 ug/l
RT: 11.13 min Scan# 3121
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.8





#85

sec-Butylbenzene

Concen: 60.075 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 881380

Ion Ratio Lower Upper

105 100

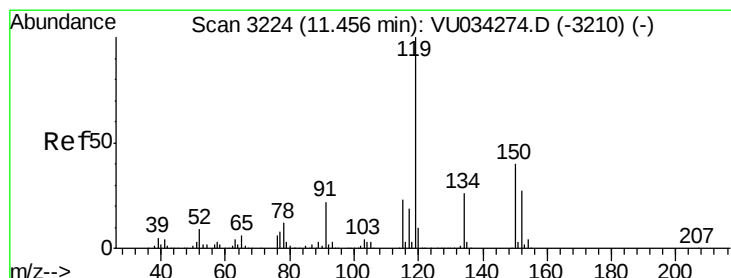
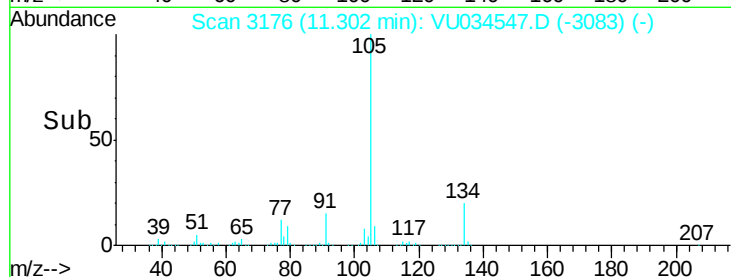
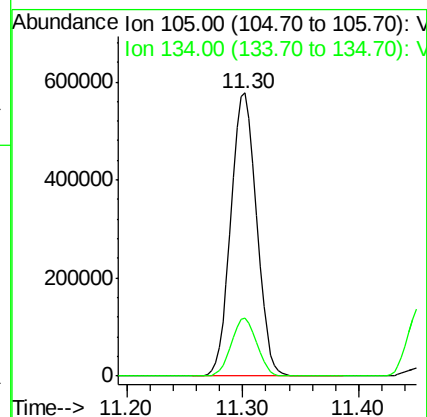
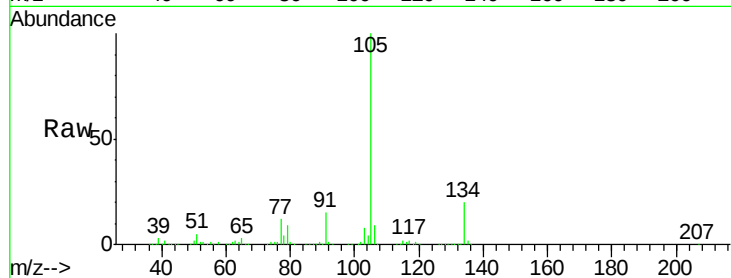
134 20.2 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 60.201 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

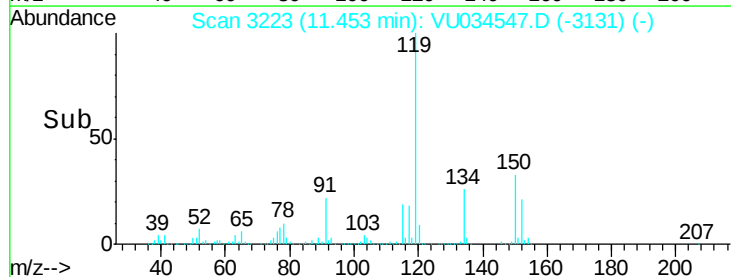
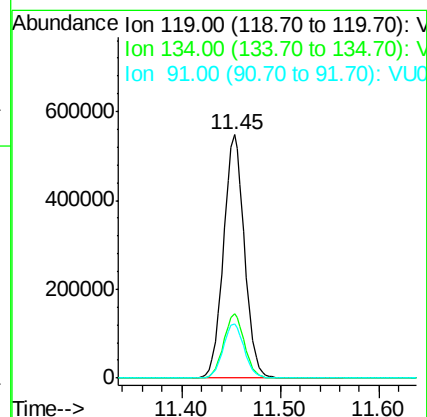
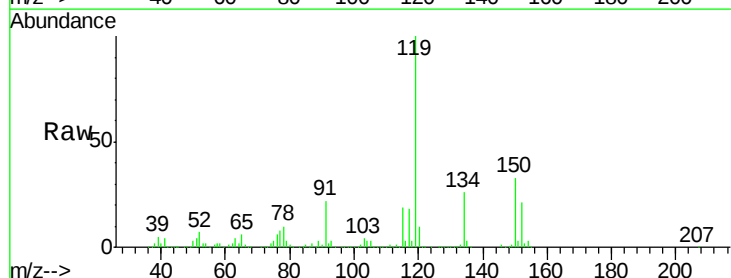
Tgt Ion:119 Resp: 815211

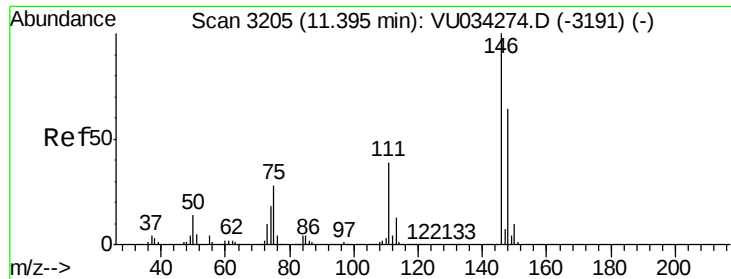
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

91 22.4 11.2 33.6





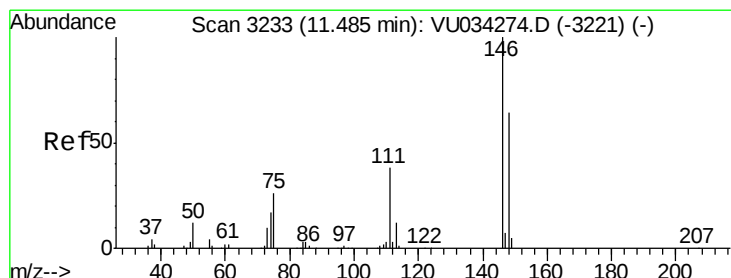
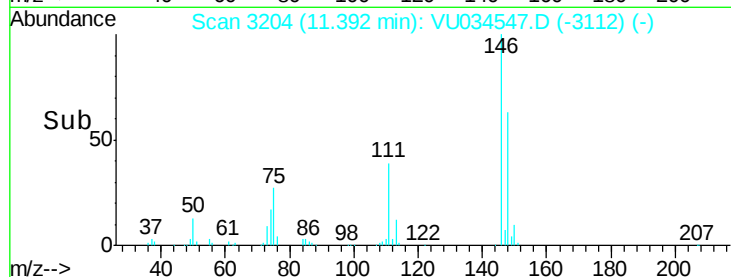
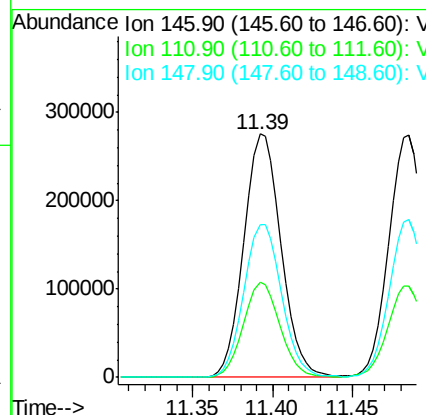
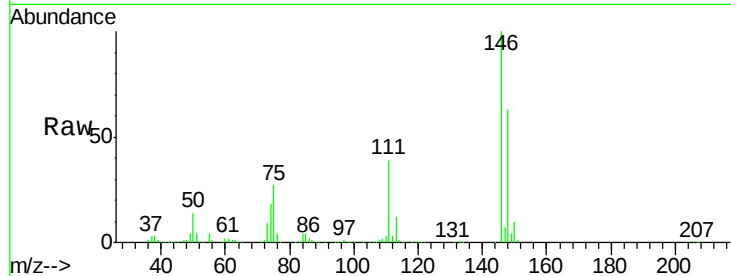
#87
 1,3-Dichlorobenzene
 Concen: 57.658 ug/l
 RT: 11.39 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.5	58.5
148	63.8	32.1	96.3

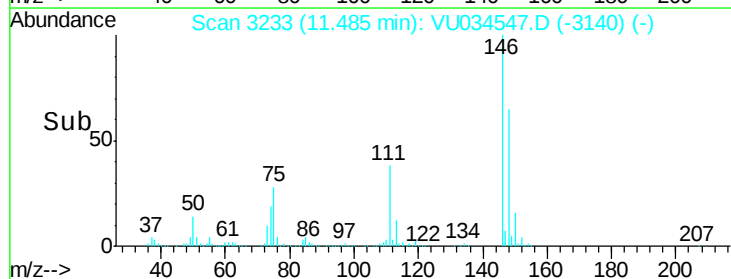
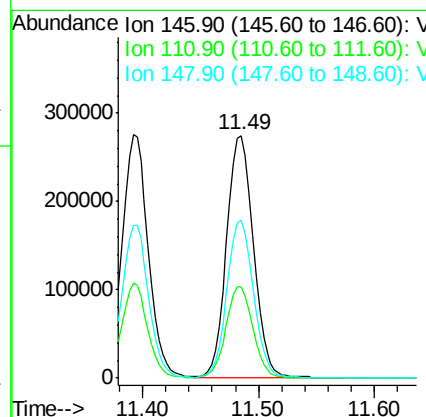
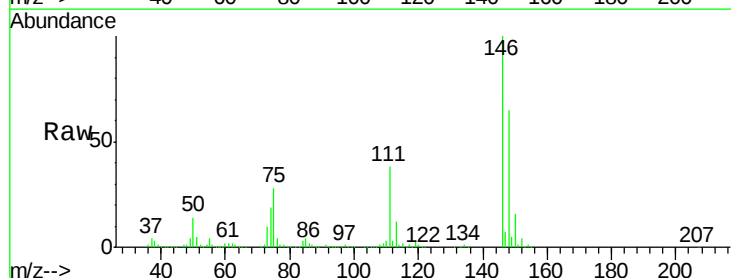
Manual Integrations
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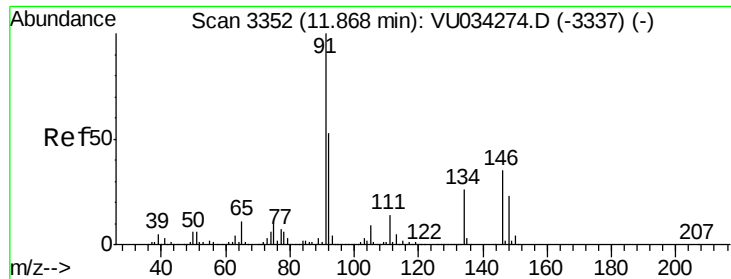
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#88
 1,4-Dichlorobenzene
 Concen: 55.699 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.3
148	64.1	32.0	96.0





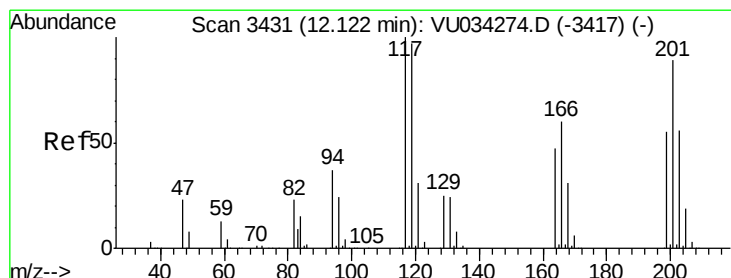
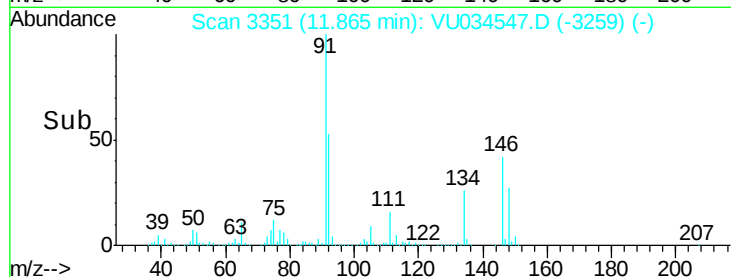
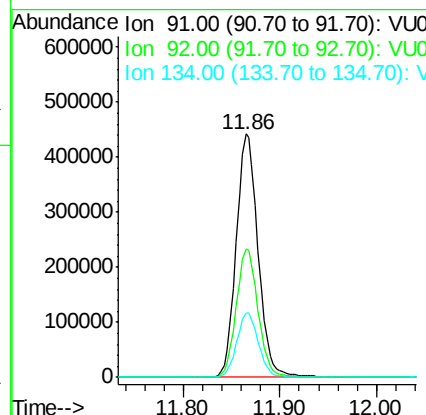
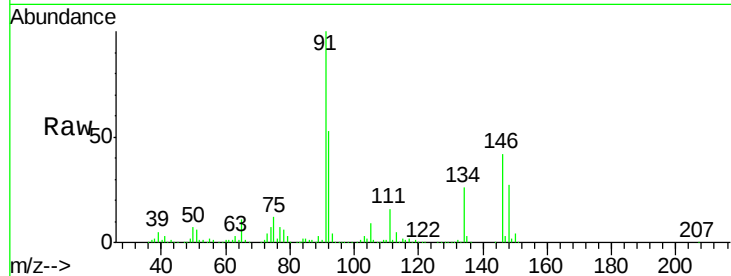
#89
n-Butylbenzene
Concen: 58.983 ug/l
RT: 11.86 min Scan# 3351
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.4
134	26.5	13.2	39.6

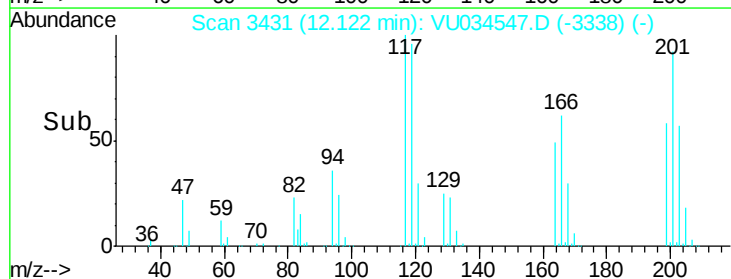
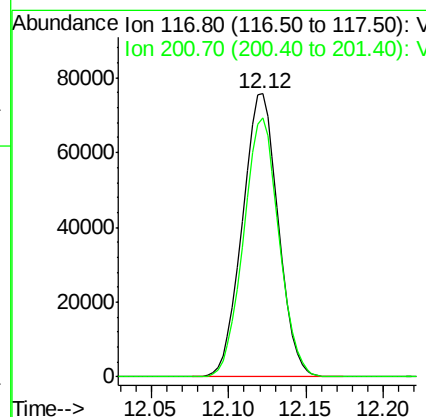
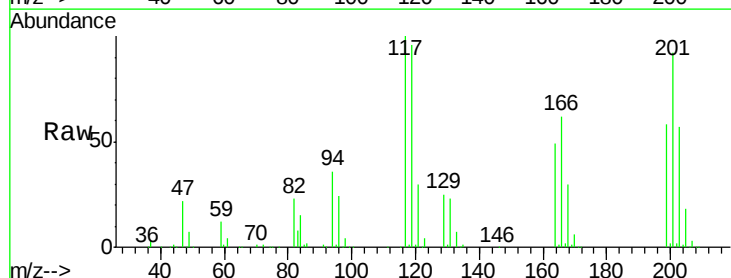
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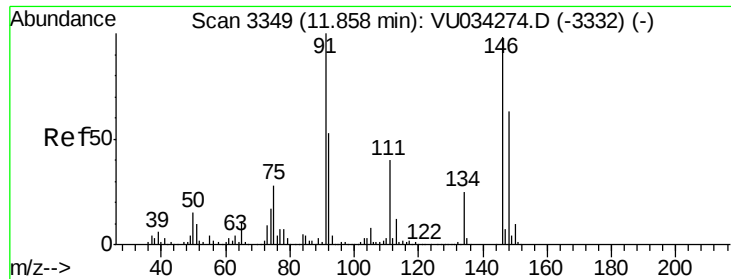
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#90
Hexachloroethane
Concen: 56.423 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034547.D
Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	44.1	132.4





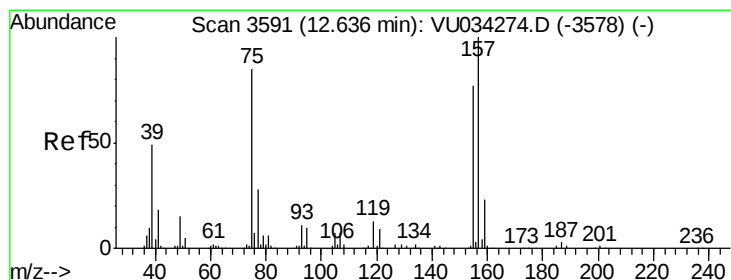
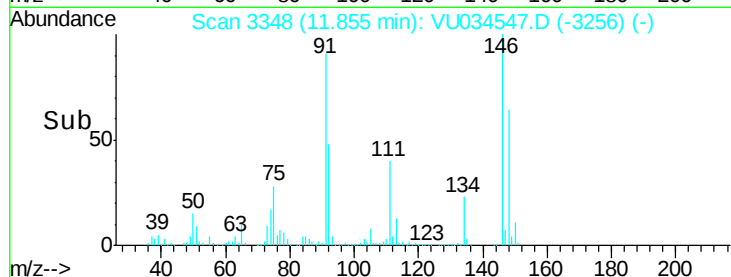
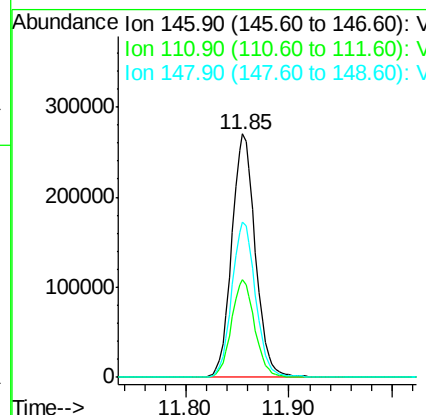
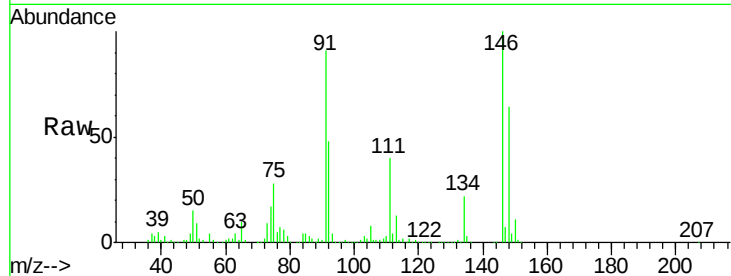
#91
 1,2-Dichlorobenzene
 Concen: 58.139 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	64.2	31.6	94.8

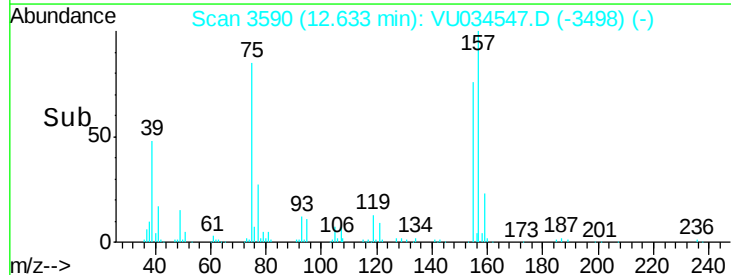
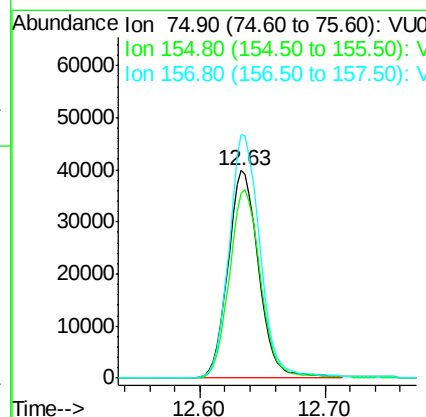
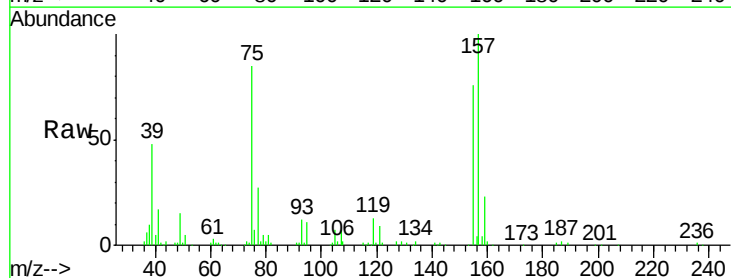
Manual Integrations
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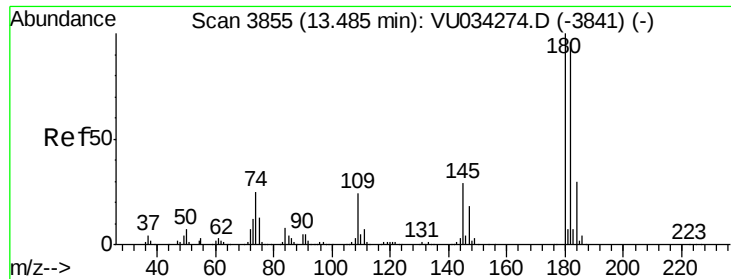
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.522 ug/l
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	44.6	134.0
157	118.7	58.2	174.6





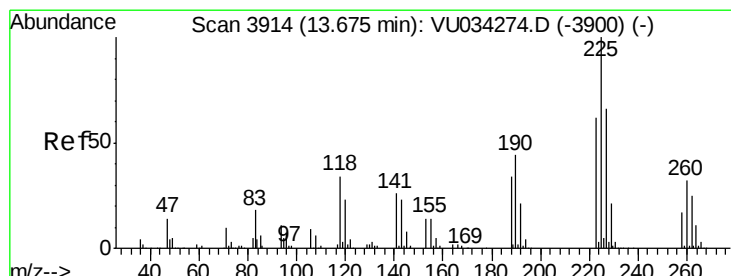
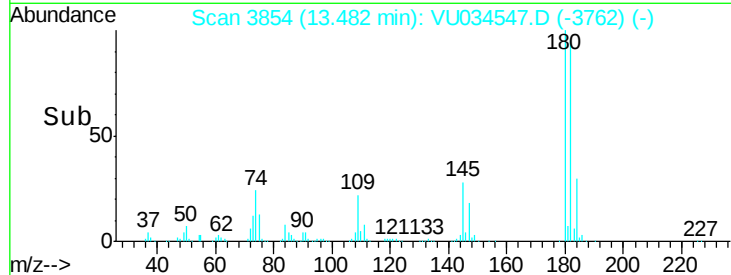
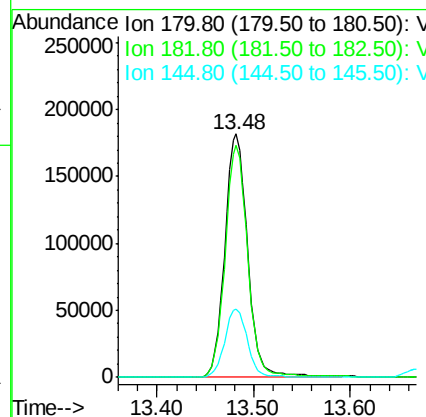
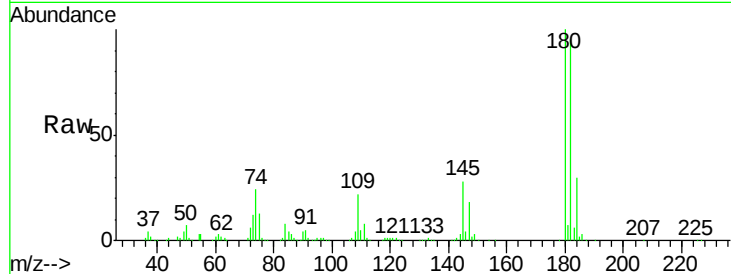
#93
 1,2,4-Trichlorobenzene
 Concen: 54.777 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	297809		
182	94.8	47.9	143.8	
145	28.1	14.4	43.0	

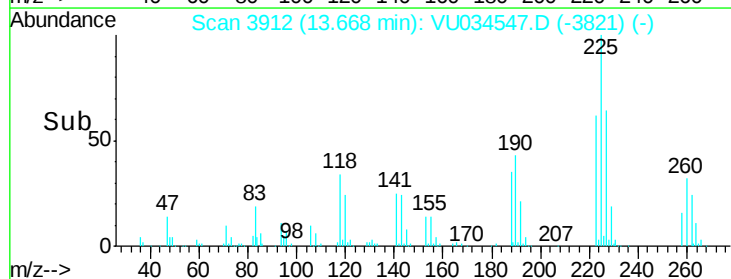
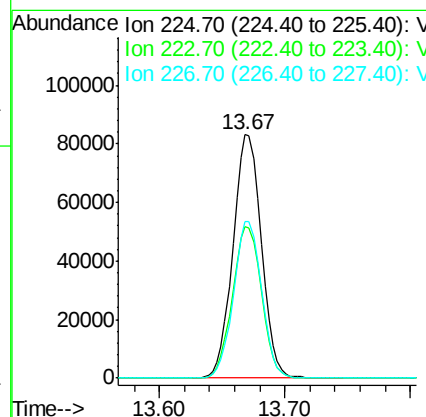
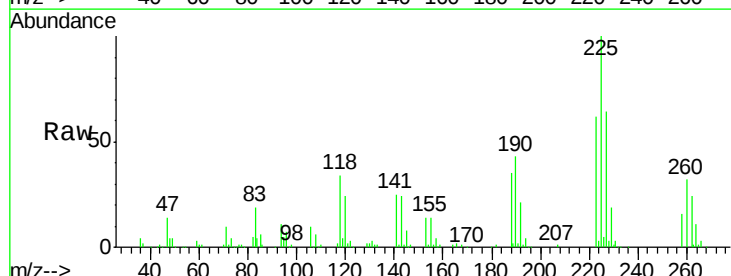
Manual Integrations
 APPROVED

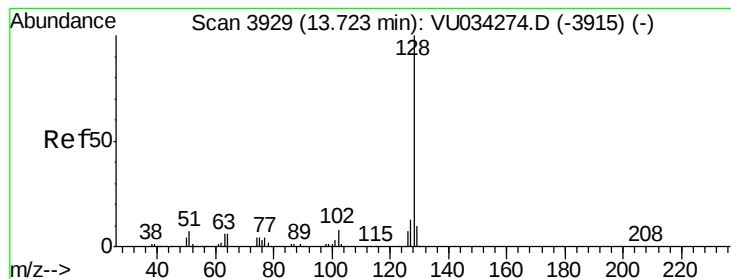
MMDadoda
 9/16/2019 11:15:44 AM



#94
 Hexachlorobutadiene
 Concen: 50.266 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: VU034547.D
 Acq: 13 Sep 2019 01:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130962		
223	63.5	31.6	94.7	
227	63.7	32.3	96.8	





#95

Naphthalene

Concen: 56.132 ug/l

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Instrument :

MSVOA_U

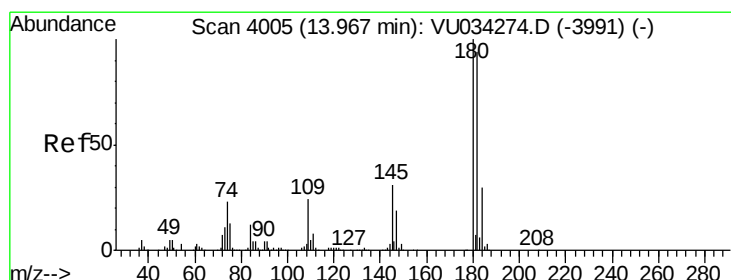
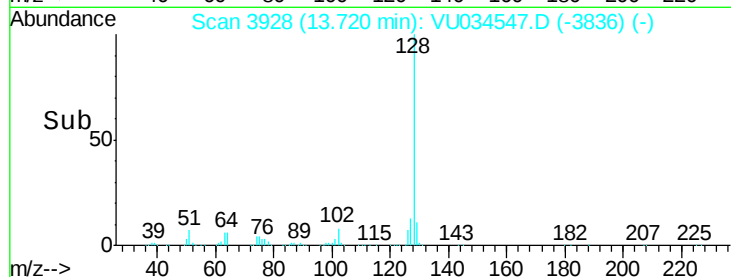
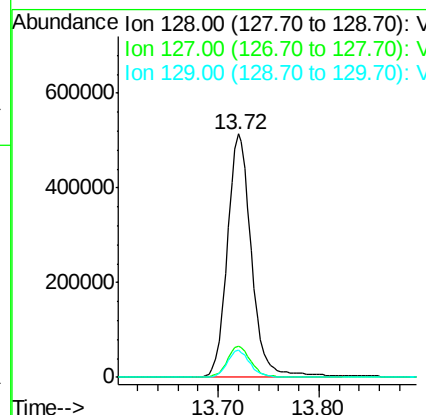
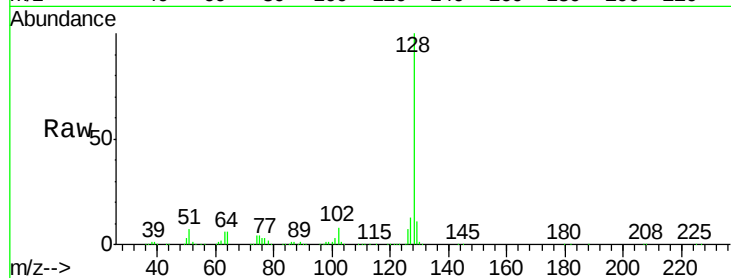
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	861916
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	15.8
129	10.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/16/2019 11:15:44 AM



#96

1,2,3-Trichlorobenzene

Concen: 56.828 ug/l

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU034547.D

Acq: 13 Sep 2019 01:45

Tgt Ion:	180	Resp:	298488
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.4	145.0
145	29.8	15.4	46.4

