

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028571.D
 Acq On : 10 Dec 2018 23:14
 Operator : MD/SY
 Sample : J6325-09MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:10:15 PM

Quant Time: Dec 11 04:33:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	76890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	139088	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	130331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	63149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	67144	57.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.44%	
35) Dibromofluoromethane	4.88	113	47772	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
50) Toluene-d8	7.57	98	186326	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	10.30	95	68753	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	53256	51.675	ug/l	100
3) Chloromethane	1.33	50	96909	51.146	ug/l	99
4) Vinyl Chloride	1.40	62	72050	52.692	ug/l	99
5) Bromomethane	1.60	94	32614	59.211	ug/l	98
6) Chloroethane	1.68	64	40241	51.984	ug/l	100
7) Trichlorofluoromethane	1.88	101	74200	51.577	ug/l	100
8) Diethyl Ether	2.10	74	33515	49.794	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	45472	52.850	ug/l	99
10) Methyl Iodide	2.41	142	37900	56.139	ug/l	99
11) Tert butyl alcohol	2.83	59	82848	316.907	ug/l	100
12) 1,1-Dichloroethene	2.28	96	44093	51.506	ug/l	97
13) Acrolein	2.19	56	52661	252.683	ug/l	99
14) Allyl chloride	2.59	41	104604	51.651	ug/l	99
15) Acrylonitrile	2.94	53	210250	289.679	ug/l	99
16) Acetone	2.32	43	174637	228.077	ug/l	98
17) Carbon Disulfide	2.47	76	151007	48.964	ug/l	99
18) Methyl Acetate	2.61	43	113604	57.235	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	175291	54.014	ug/l	100
20) Methylene Chloride	2.70	84	56821	50.340	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	49885	51.755	ug/l	98
22) Diisopropyl ether	3.57	45	220618	56.018	ug/l	98
23) Vinyl Acetate	3.52	43	861350	265.152	ug/l	98
24) 1,1-Dichloroethane	3.44	63	109726	53.225	ug/l	99
25) 2-Butanone	4.26	43	291633	278.703	ug/l	98
26) 2,2-Dichloropropane	4.22	77	76373	46.755	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	63205	57.935	ug/l	97
28) Bromochloromethane	4.55	49	53840	57.449	ug/l	98
29) Tetrahydrofuran	4.64	42	203642	303.023	ug/l	96
30) Chloroform	4.67	83	103173	57.421	ug/l	97
31) Cyclohexane	4.99	56	105031	52.262	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	80108	53.682	ug/l	97
36) 1,1-Dichloropropene	5.13	75	73573	48.339	ug/l	99
37) Ethyl Acetate	4.38	43	103573	52.641	ug/l	100
38) Carbon Tetrachloride	5.13	117	63161	51.487	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028571.D
 Acq On : 10 Dec 2018 23:14
 Operator : MD/SY
 Sample : J6325-09MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:10:15 PM

Quant Time: Dec 11 04:33:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	85780	46.197	ug/l	96
40) Benzene	5.39	78	230880	51.505	ug/l	98
41) Methacrylonitrile	4.54	41	62020	57.559	ug/l	96
42) 1,2-Dichloroethane	5.40	62	82449	52.545	ug/l	99
43) Isopropyl Acetate	5.55	43	167644	53.870	ug/l	99
44) Trichloroethene	6.18	130	228549	229.302	ug/l	99
45) 1,2-Dichloropropane	6.43	63	67643	53.661	ug/l	96
46) Dibromomethane	6.56	93	39466	52.767	ug/l	99
47) Bromodichloromethane	6.76	83	74781	51.381	ug/l	99
48) Methyl methacrylate	6.62	41	87350	56.442	ug/l	98
49) 1,4-Dioxane	6.61	88	34031	1392.634	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	555828	283.182	ug/l	98
52) Toluene	7.64	92	133287	50.523	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	85662	49.419	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	93086	49.498	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	55442	53.164	ug/l	98
56) Ethyl methacrylate	8.02	69	94697	53.027	ug/l	97
57) 1,3-Dichloropropane	8.24	76	100811	52.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.26	63	491	0.537	ug/l #	54
59) 2-Hexanone	8.36	43	426584	274.203	ug/l	100
60) Dibromochloromethane	8.48	129	51882	50.815	ug/l	100
61) 1,2-Dibromoethane	8.58	107	57359	52.450	ug/l	100
64) Tetrachloroethene	8.23	164	54206	62.353	ug/l	97
65) Chlorobenzene	9.12	112	139050	50.068	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	45788	51.629	ug/l	98
67) Ethyl Benzene	9.25	91	254976	49.942	ug/l	100
68) m/p-Xylenes	9.37	106	187042	100.683	ug/l	97
69) o-Xylene	9.78	106	92009	50.965	ug/l	100
70) Styrene	9.79	104	150858	50.493	ug/l	99
71) Bromoform	9.96	173	39967	52.976	ug/l #	98
73) Isopropylbenzene	10.17	105	241380	49.814	ug/l	100
74) N-amyl acetate	10.01	43	141023	50.454	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	104257	56.009	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	90589m	56.178	ug/l	
77) Bromobenzene	10.45	156	56944	50.247	ug/l	98
78) n-propylbenzene	10.58	91	298110	49.510	ug/l	98
79) 2-Chlorotoluene	10.66	91	175545	50.614	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	203972	50.852	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	29975m	45.749	ug/l	
82) 4-Chlorotoluene	10.77	91	203523	49.519	ug/l	99
83) tert-Butylbenzene	11.10	119	196448	50.813	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	209250	50.620	ug/l	99
85) sec-Butylbenzene	11.32	105	244568	49.241	ug/l	100
86) p-Isopropyltoluene	11.48	119	203330	48.193	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	103142	48.199	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	103389	46.698	ug/l	99
89) n-Butylbenzene	11.89	91	195047	45.680	ug/l	100
90) Hexachloroethane	12.14	117	31329	49.128	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	105351	49.218	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.65	75	22619	56.127	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
Data File : VU028571.D
Acq On : 10 Dec 2018 23:14
Operator : MD/SY
Sample : J6325-09MS
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:10:15 PM

Quant Time: Dec 11 04:33:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	64044	43.650	ug/l	98
94) Hexachlorobutadiene	13.69	225	30836	43.978	ug/l	99
95) Naphthalene	13.74	128	235231	45.797	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	67915	46.404	ug/l	99

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

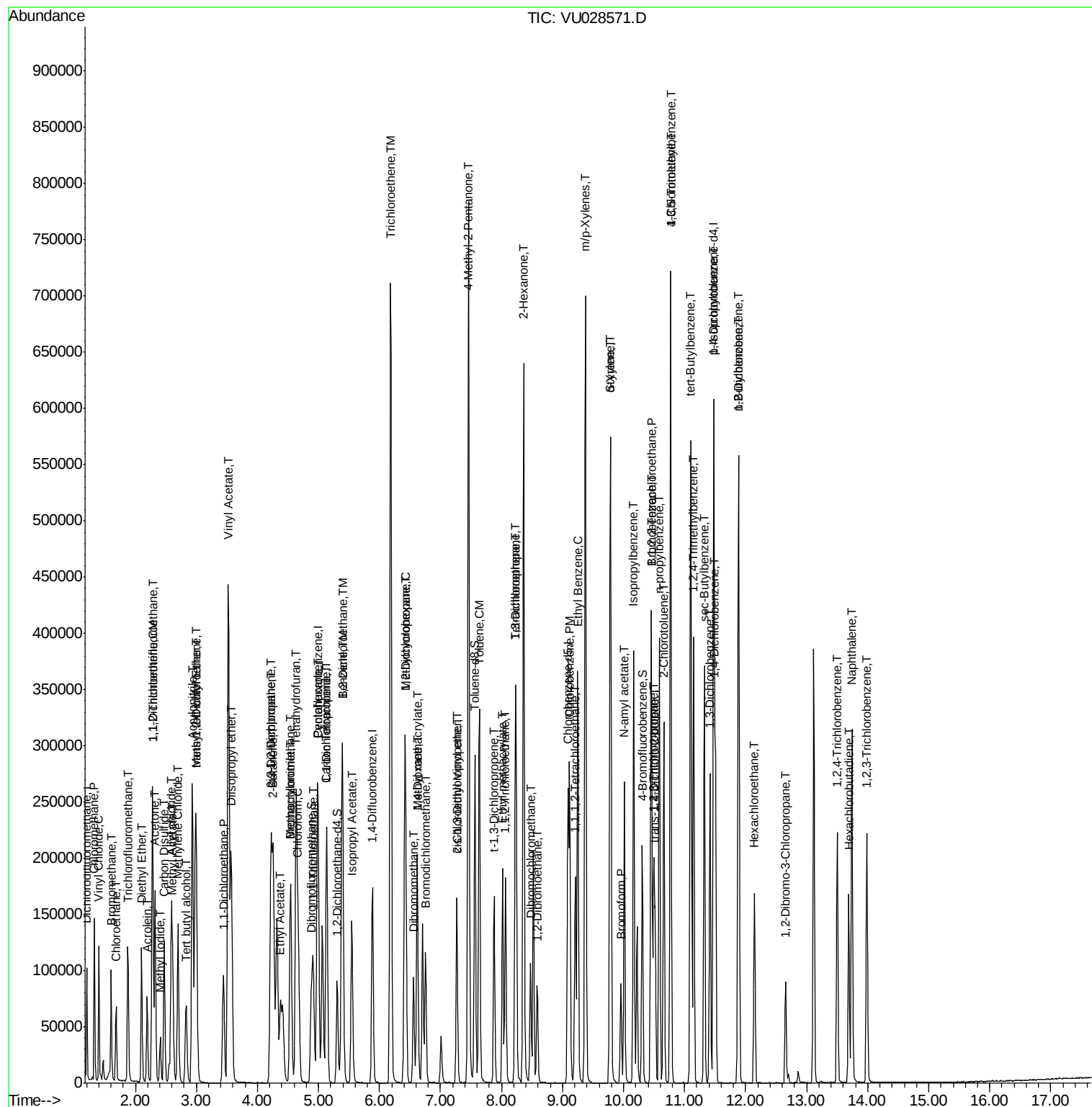
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028571.D
 Acq On : 10 Dec 2018 23:14
 Operator : MD/SY
 Sample : J6325-09MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

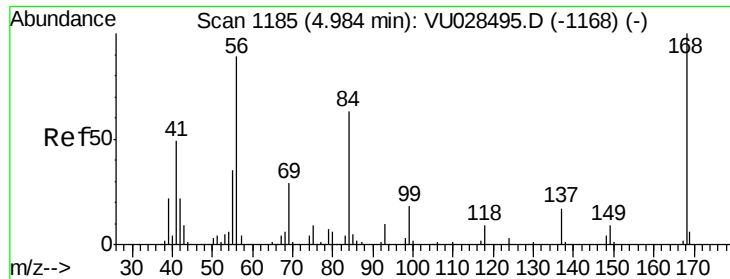
Instrument :
 MSVOA_U
 ClientSampleID :
 RE-131D1-20181205MS

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:10:15 PM

Quant Time: Dec 11 04:33:31 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

Tot Ion:168 Resp: 76890

Ion Ratio Lower Upper

168 100

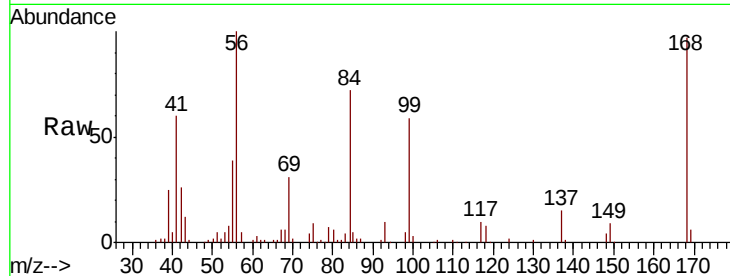
99 60.4 46.6 69.8

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:10:15 PM



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

30000

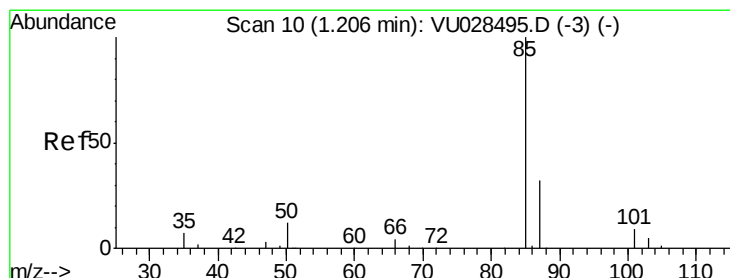
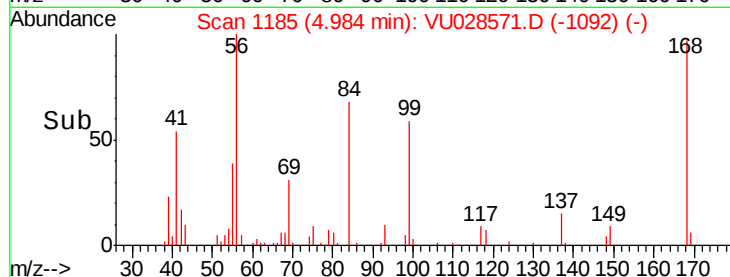
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.675 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028571.D

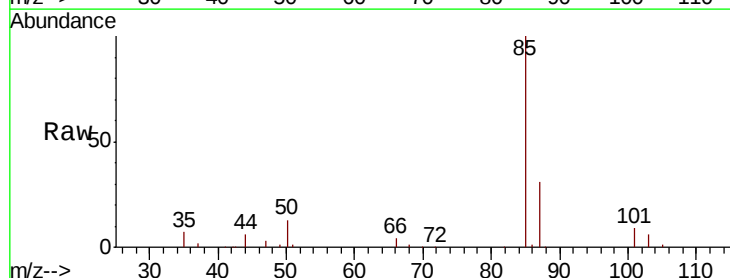
Acq: 10 Dec 2018 23:14

Tgt Ion: 85 Resp: 53256

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.21

60000

50000

40000

30000

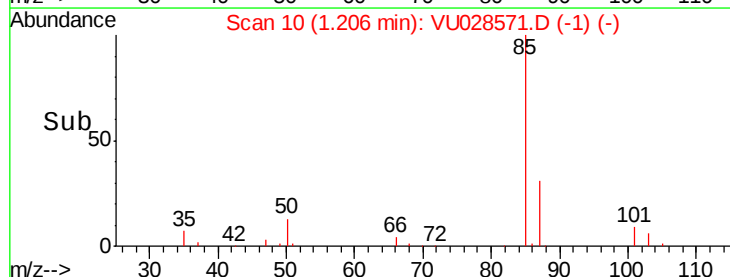
20000

10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 51.146 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

Tot Ion: 50 Resp: 96909

Ion Ratio Lower Upper

50 100

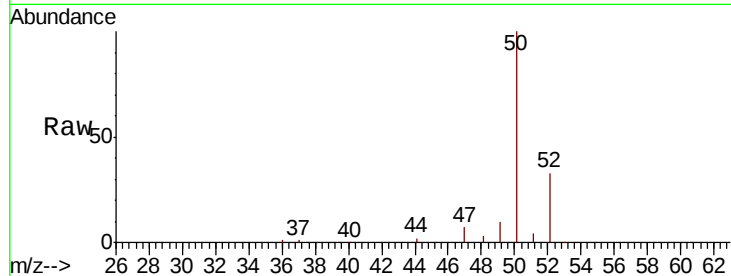
52 32.6 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:10:15 PM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

100000

80000

60000

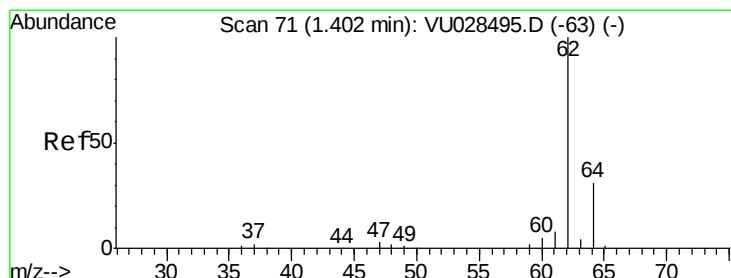
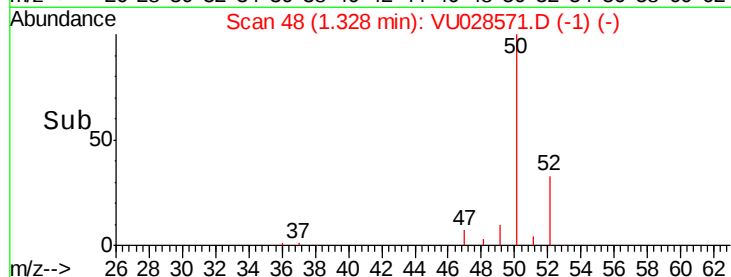
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 52.692 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028571.D

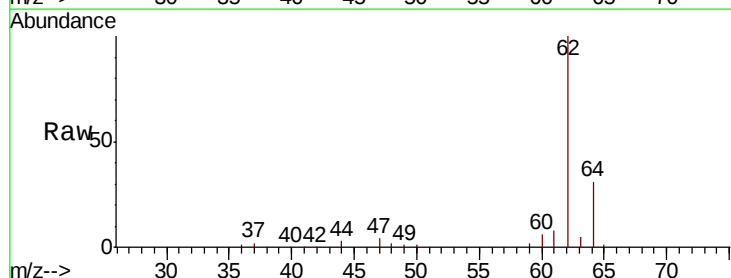
Acq: 10 Dec 2018 23:14

Tgt Ion: 62 Resp: 72050

Ion Ratio Lower Upper

62 100

64 30.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

80000

60000

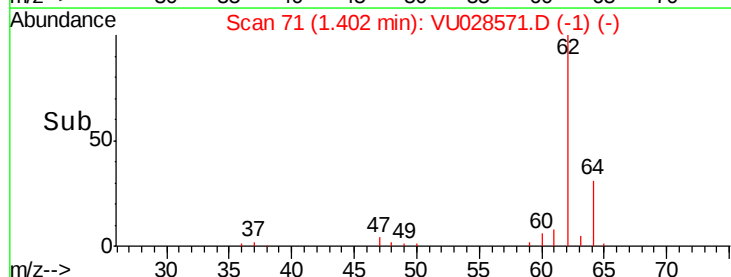
40000

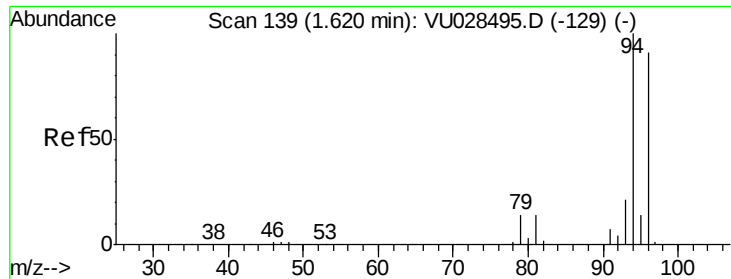
20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 59.211 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

Tot Ion: 94 Resp: 32614

Ion Ratio Lower Upper

94 100

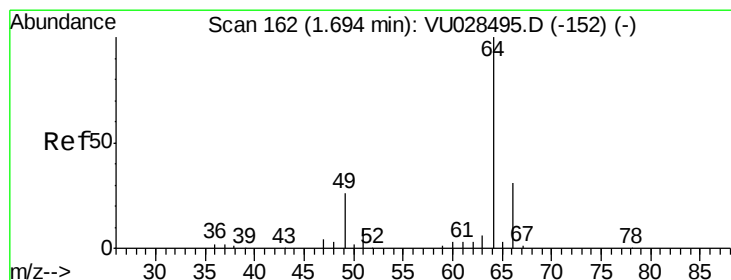
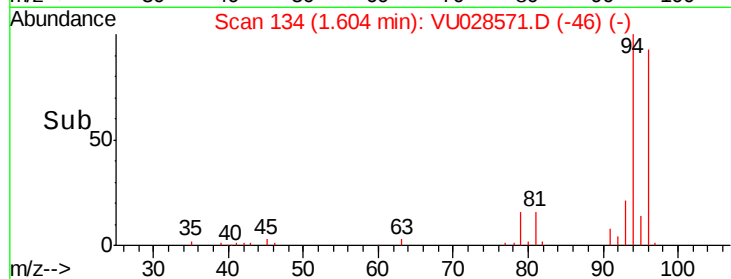
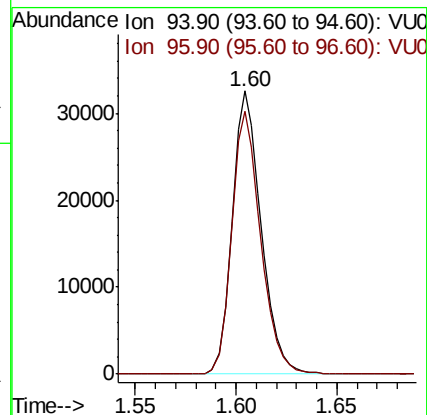
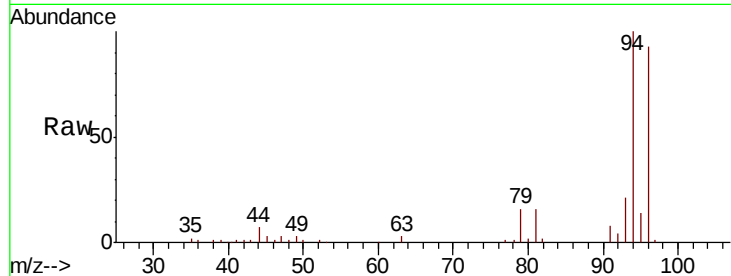
96 93.0 73.2 109.8

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:10:15 PM



#6

Chloroethane

Concen: 51.984 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028571.D

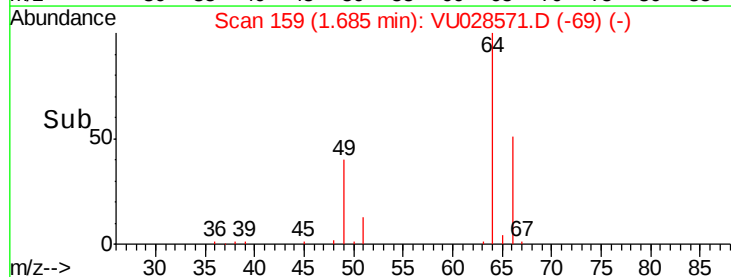
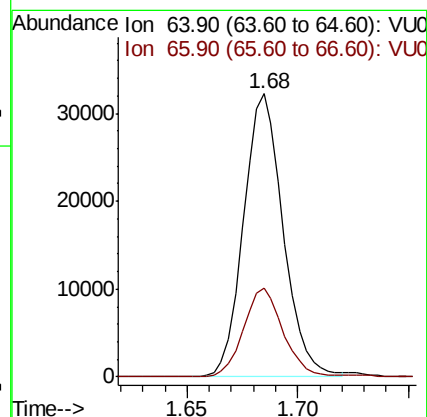
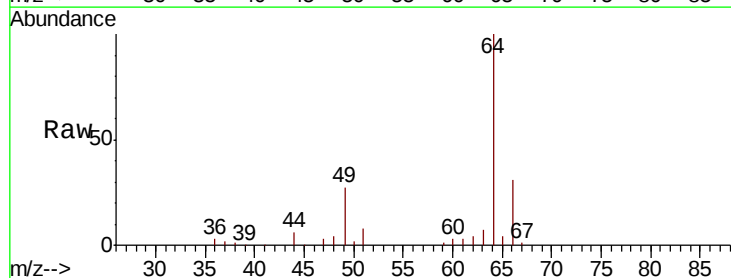
Acq: 10 Dec 2018 23:14

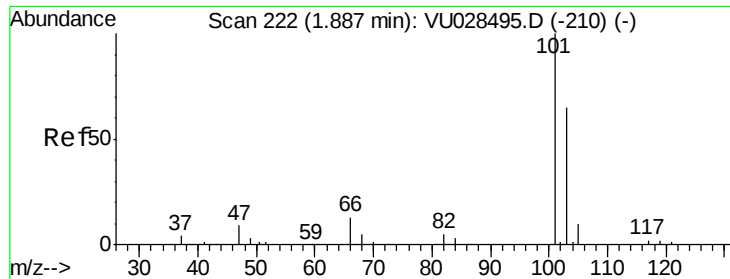
Tgt Ion: 64 Resp: 40241

Ion Ratio Lower Upper

64 100

66 31.5 25.0 37.6





#7

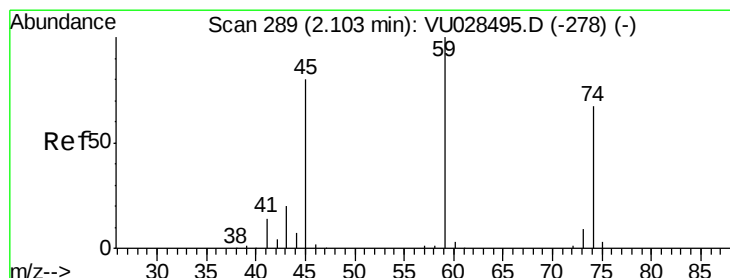
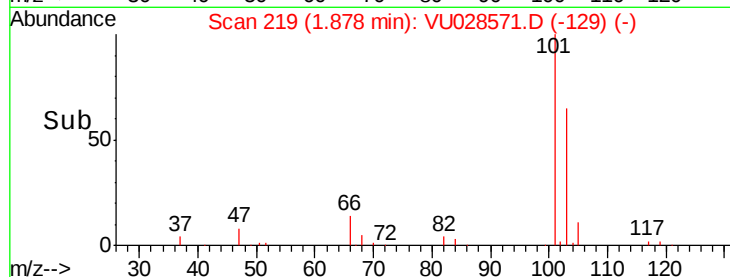
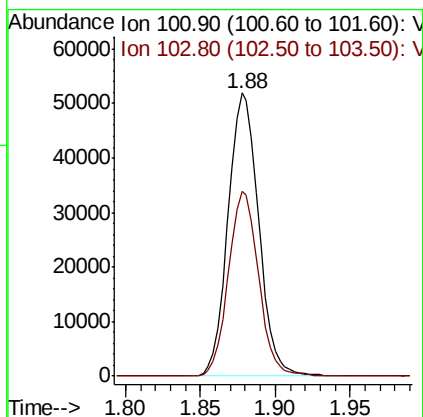
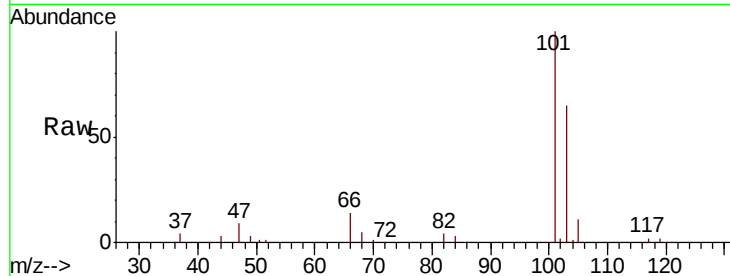
Trichlorofluoromethane
Concen: 51.577 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion:101 Resp: 74200
Ion Ratio Lower Upper
101 100
103 65.5 52.3 78.5

Manual Integrations
APPROVED

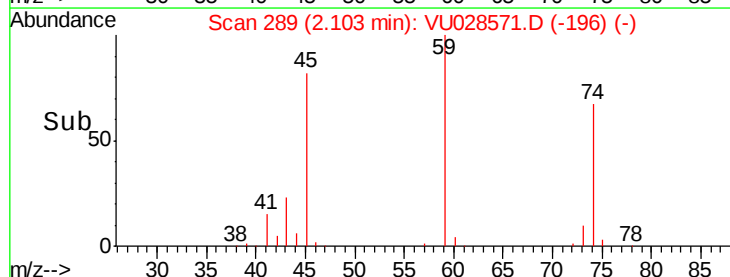
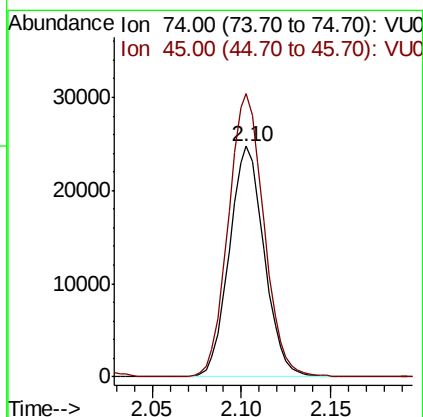
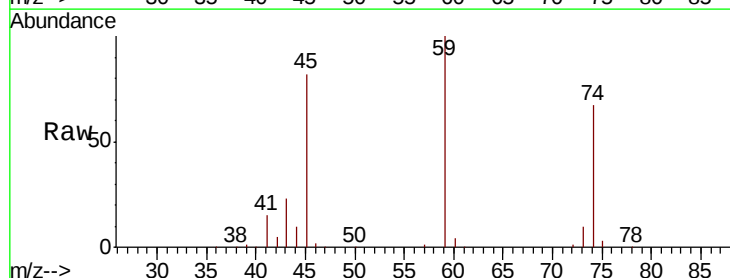
MMDadoda
12/11/2018 12:10:15 PM

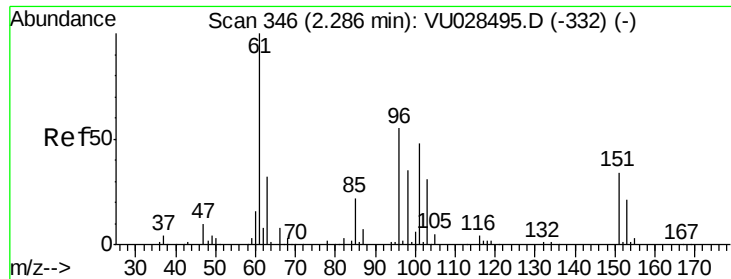


#8

Diethyl Ether
Concen: 49.794 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 74 Resp: 33515
Ion Ratio Lower Upper
74 100
45 125.5 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.850 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

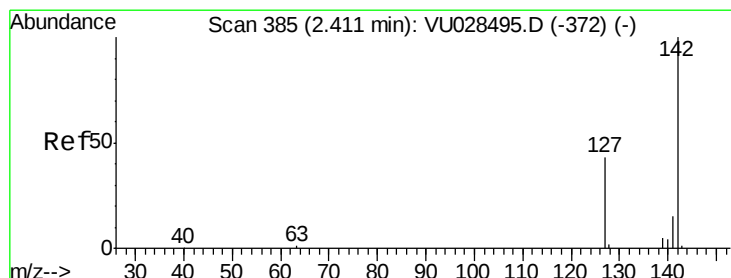
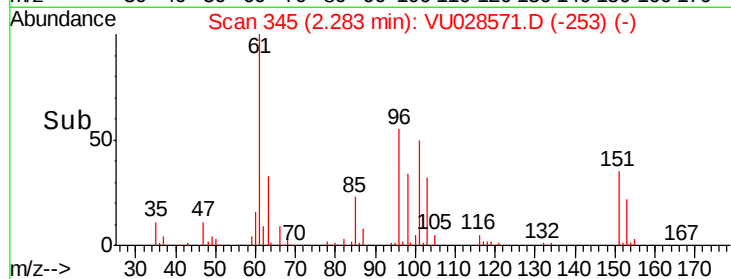
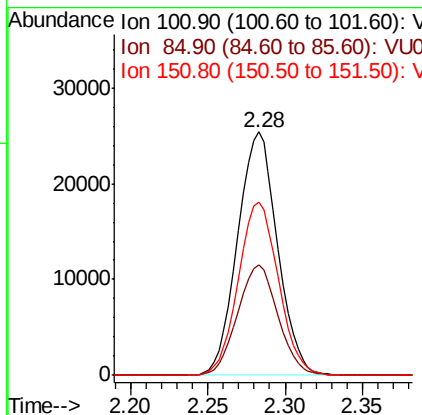
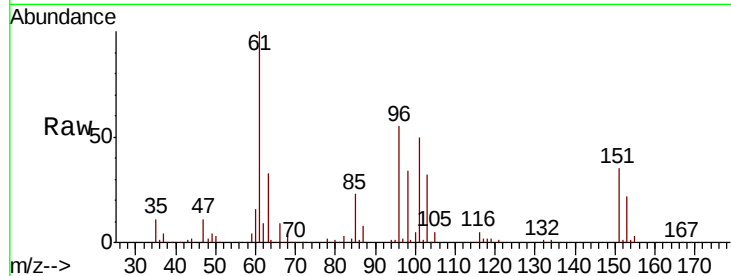
ClientSampleId :

RE-131D1-20181205MS

Tot Ion:	101	Resp:	45472
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.4	54.6
151	71.8	58.2	87.2

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:10:15 PM



#10

Methyl Iodide

Concen: 56.139 ug/l

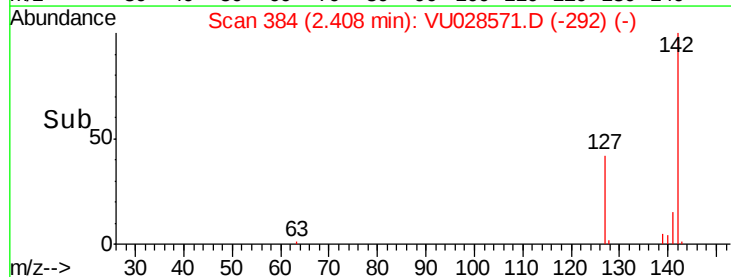
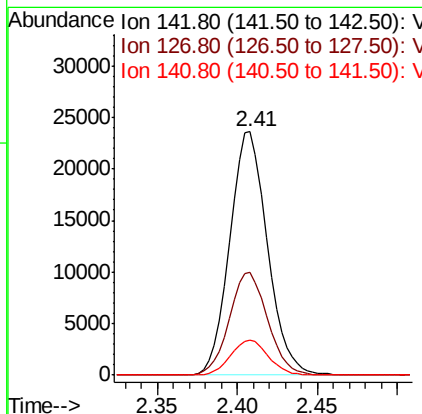
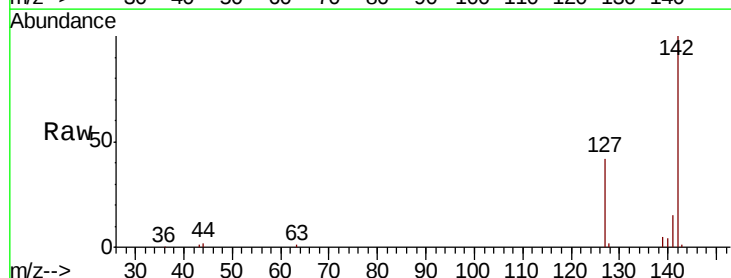
RT: 2.41 min Scan# 384

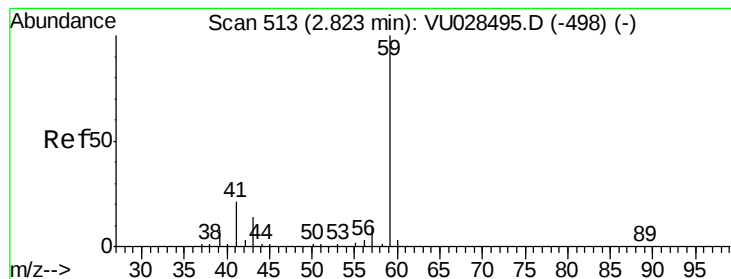
Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Tgt Ion:	142	Resp:	37900
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.5	50.3
141	14.1	11.2	16.8





#11

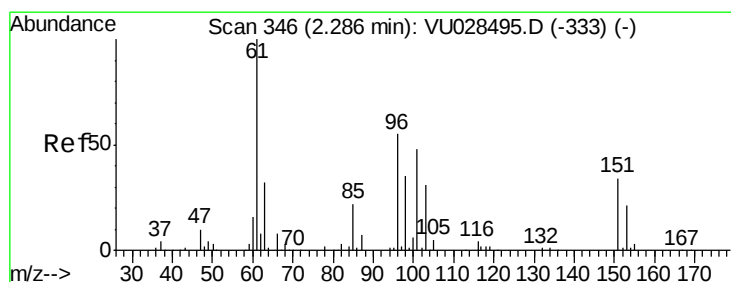
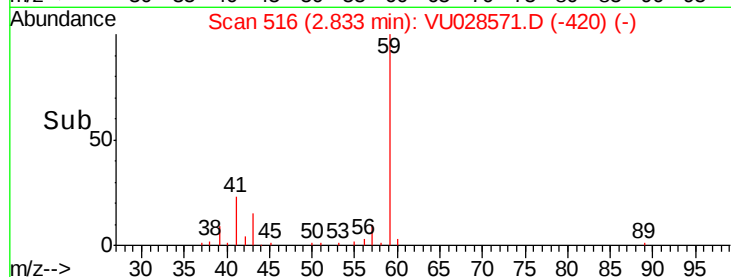
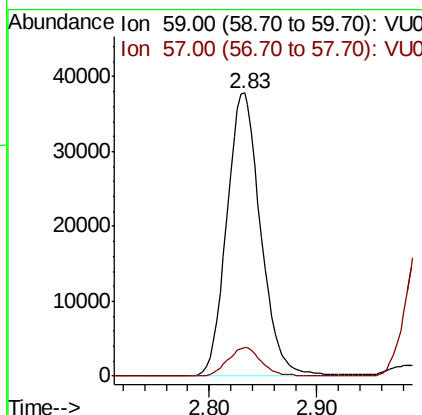
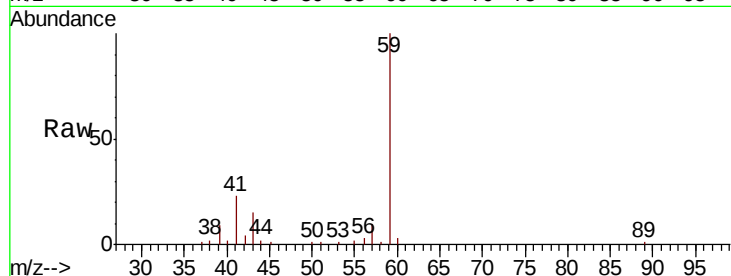
Tert butyl alcohol
Concen: 316.907 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.0	12.0

Manual Integrations
APPROVED

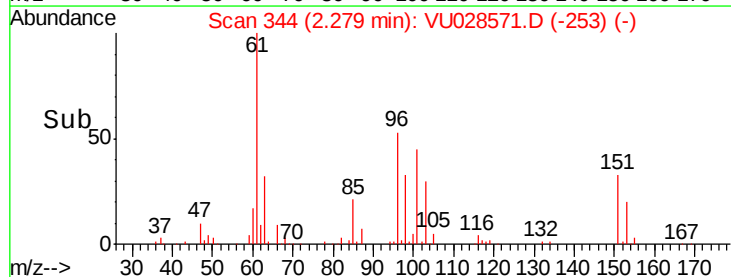
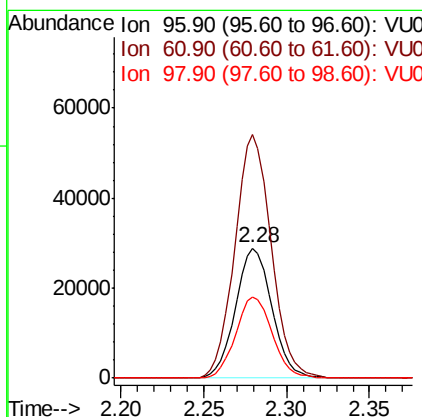
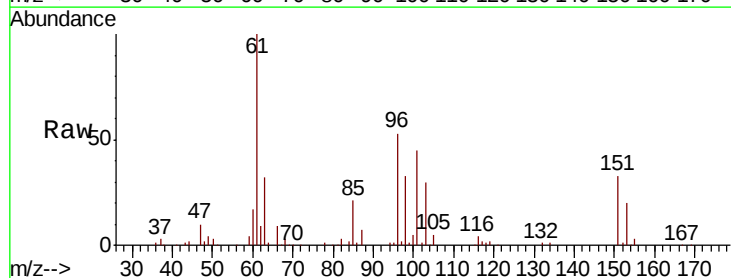
MMDadoda
12/11/2018 12:10:15 PM

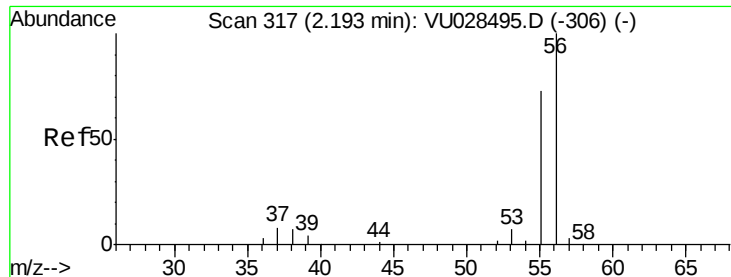


#12

1,1-Dichloroethene
Concen: 51.506 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.3	146.4	219.6
98	62.7	51.8	77.8





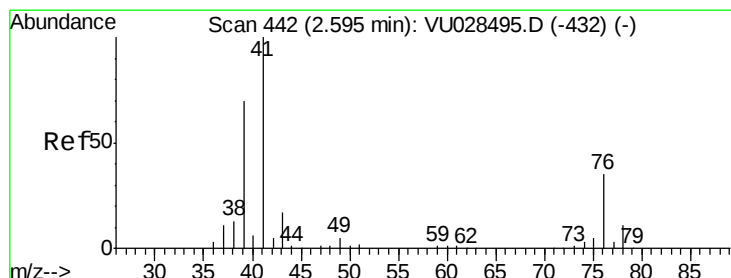
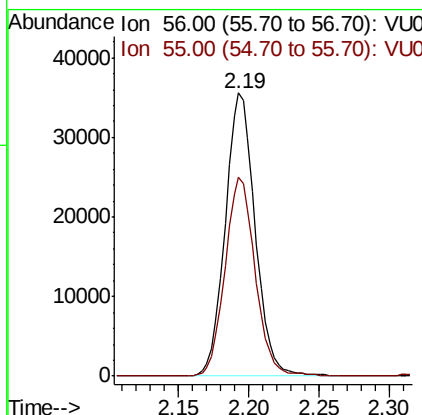
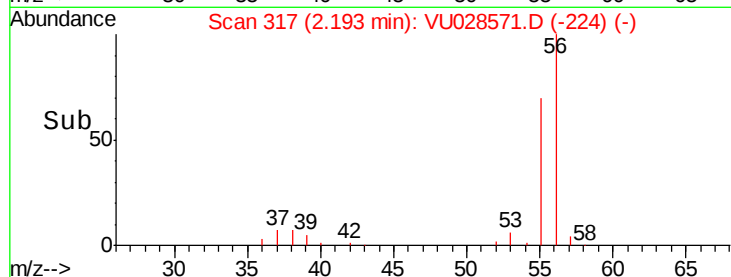
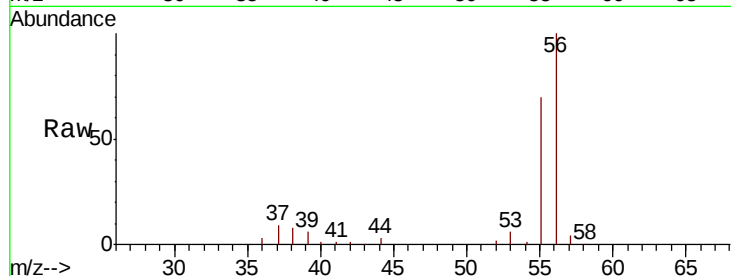
#13
Acrolein
Concen: 252.683 ug/l
RT: 2.19 min Scan# 317
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	56	Resp	52661
Ion Ratio	100	Lower	Upper
55	70.7	57.5	86.3

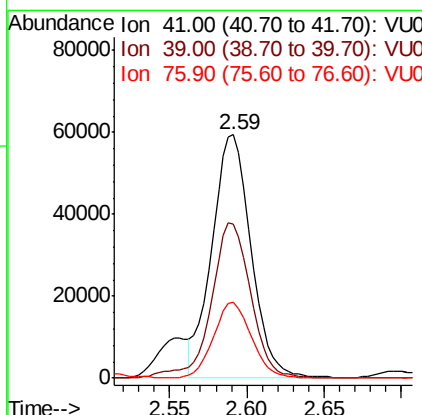
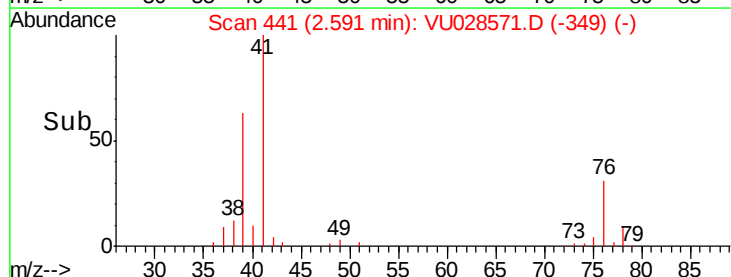
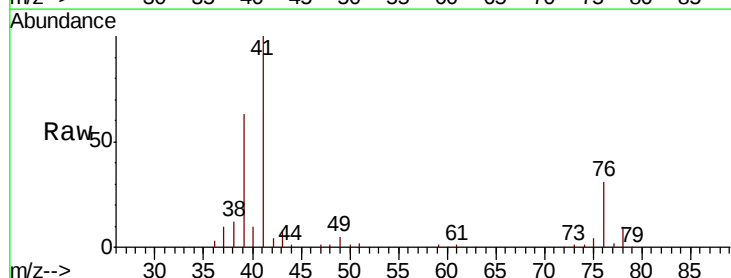
Manual Integrations
APPROVED

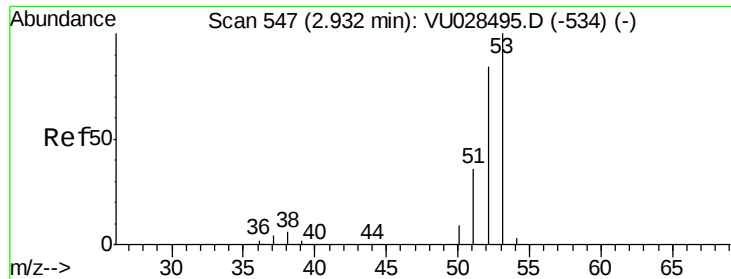
MMDadoda
12/11/2018 12:10:15 PM



#14
Allyl chloride
Concen: 51.651 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	41	Resp	104604
Ion Ratio	100	Lower	Upper
39	64.5	50.8	76.2
76	30.2	24.8	37.2





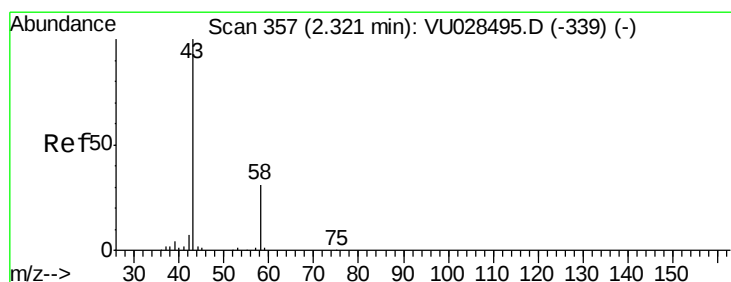
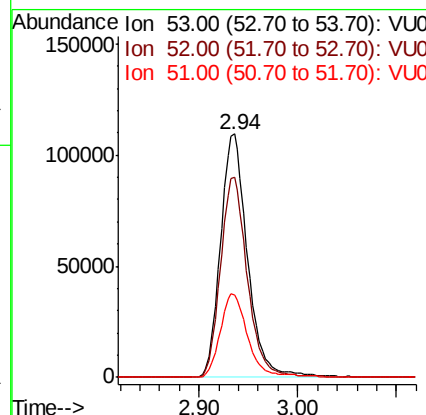
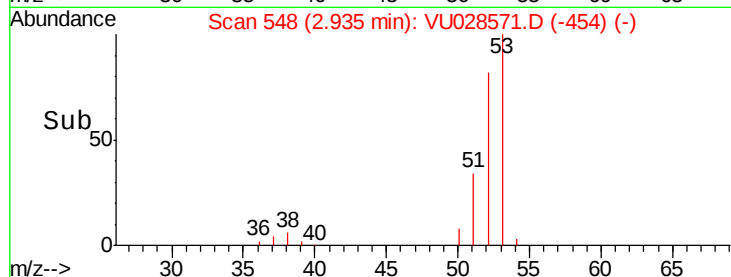
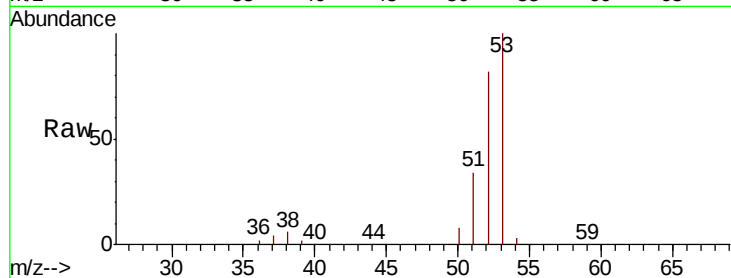
#15
 Acrylonitrile
 Concen: 289.679 ug/l
 RT: 2.94 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.1	99.1
51	34.2	28.1	42.1

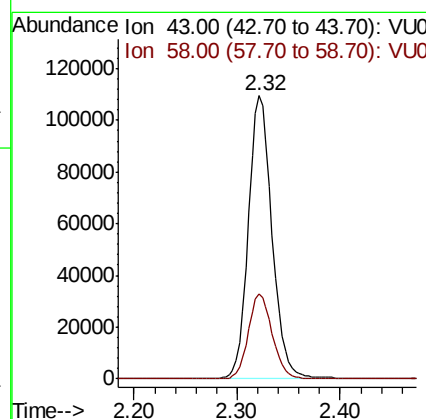
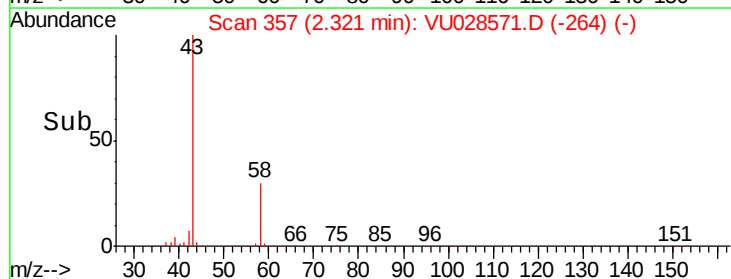
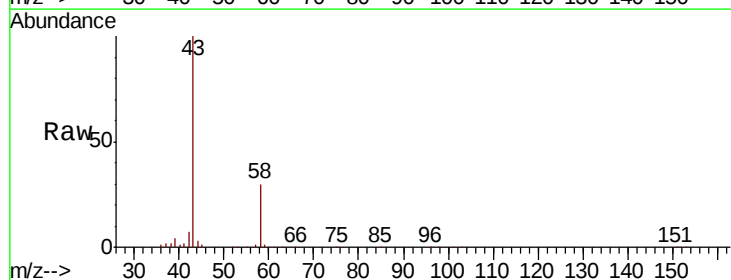
Manual Integrations
 APPROVED

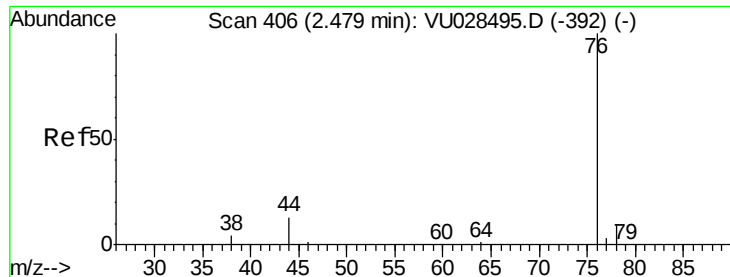
MMDadoda
 12/11/2018 12:10:15 PM



#16
 Acetone
 Concen: 228.077 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.6	37.0





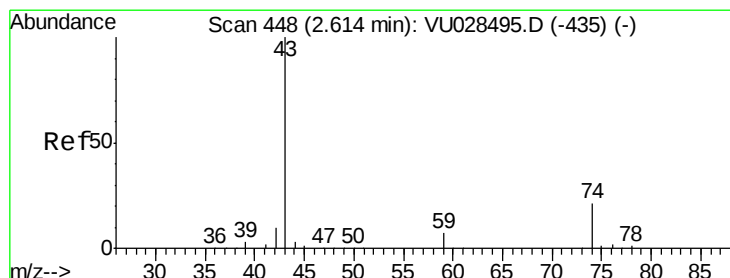
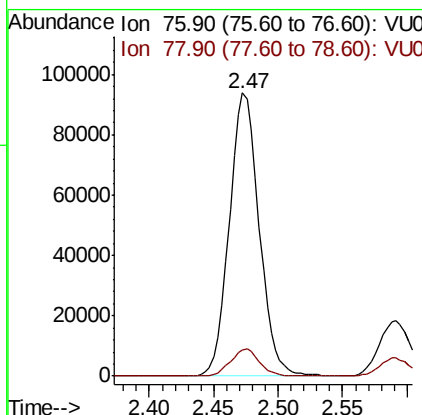
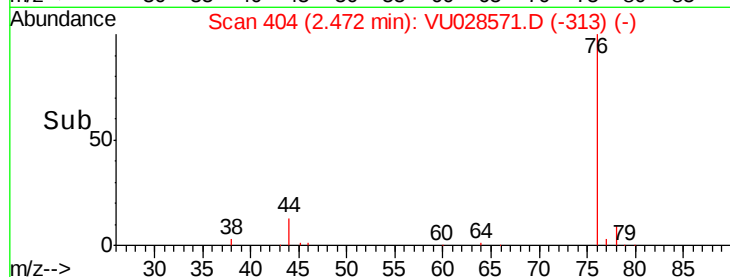
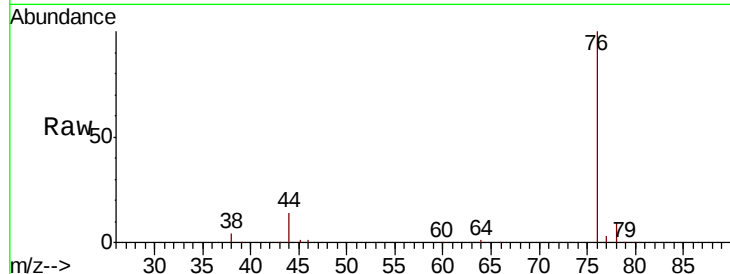
#17
Carbon Disulfide
Concen: 48.964 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion: 76 Resp: 151007
Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8

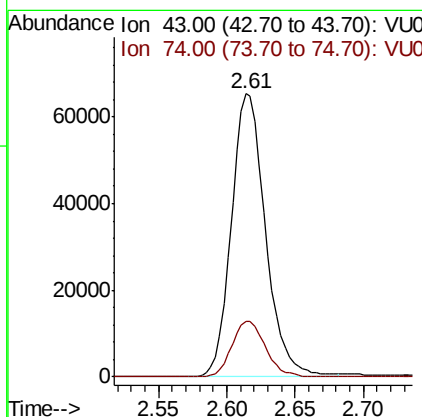
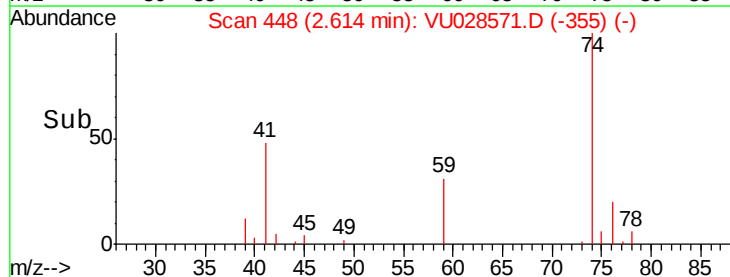
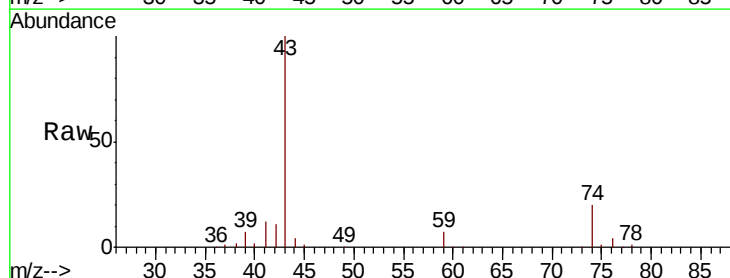
Manual Integrations
APPROVED

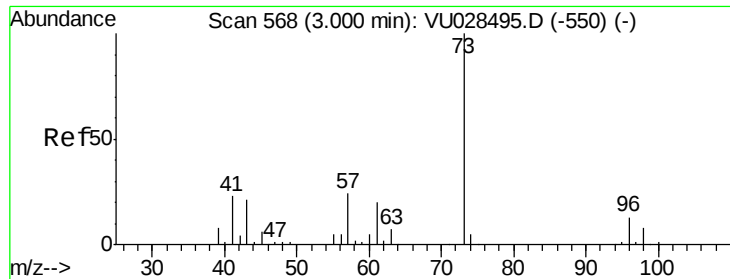
MMDadoda
12/11/2018 12:10:15 PM



#18
Methyl Acetate
Concen: 57.235 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 43 Resp: 113604
Ion Ratio Lower Upper
43 100
74 19.4 16.4 24.6





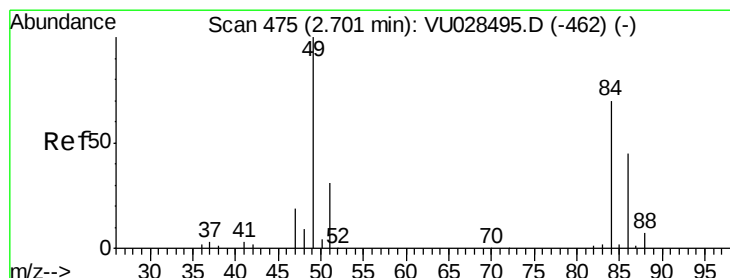
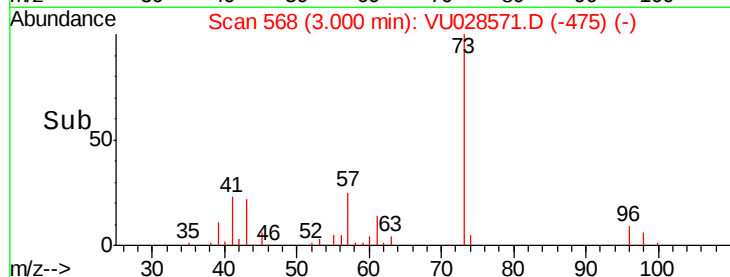
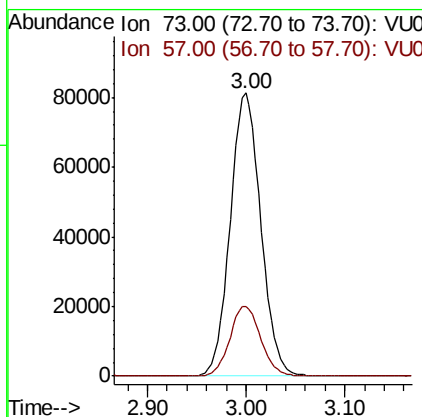
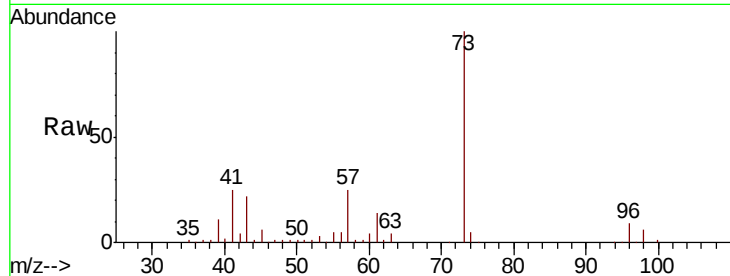
#19
Methvl tert-butvl Ether
Concen: 54.014 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion: 73 Resp: 175291
Ion Ratio Lower Upper
73 100
57 24.5 19.4 29.2

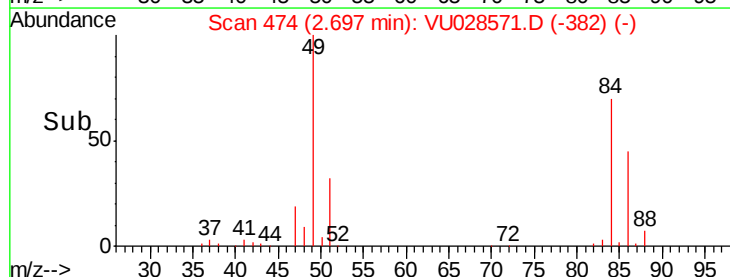
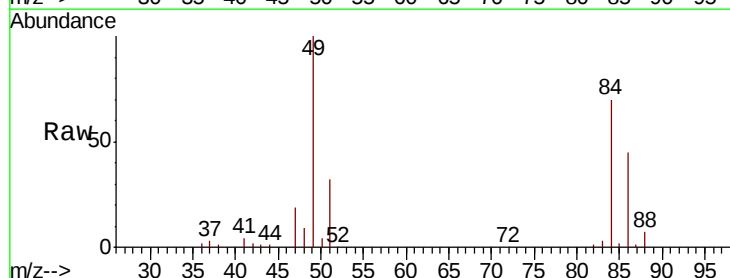
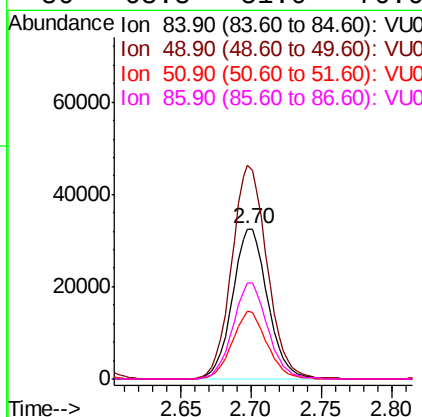
Manual Integrations
APPROVED

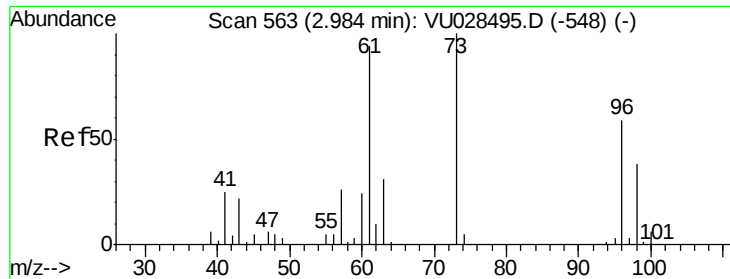
MMDadoda
12/11/2018 12:10:15 PM



#20
Methylene Chloride
Concen: 50.340 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 84 Resp: 56821
Ion Ratio Lower Upper
84 100
49 142.5 114.0 171.0
51 44.9 35.1 52.7
86 63.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 51.755 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

Tot Ion: 96 Resp: 49885

Ion Ratio Lower Upper

96 100

61 160.7 127.0 190.4

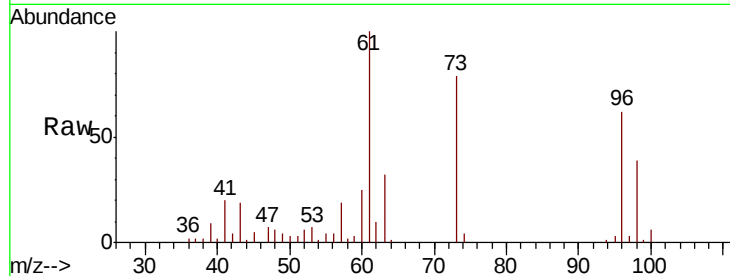
98 63.1 51.9 77.9

Manual Integrations

APPROVED

MMDadoda

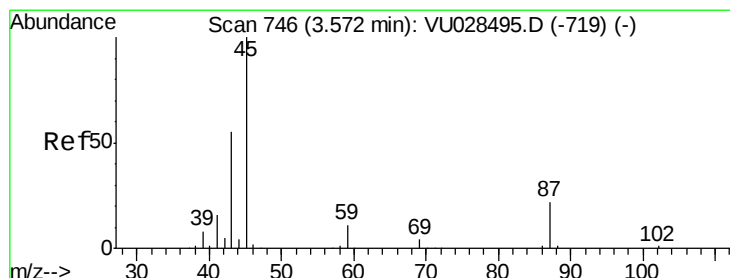
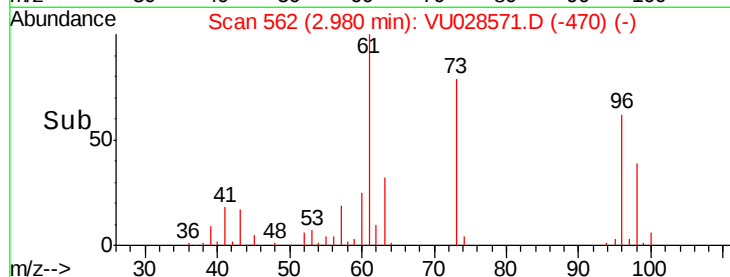
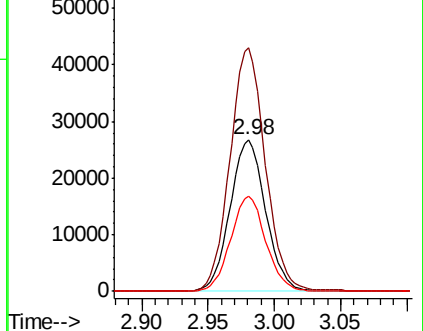
12/11/2018 12:10:15 PM



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 56.018 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Tgt Ion: 45 Resp: 220618

Ion Ratio Lower Upper

45 100

43 54.7 45.3 67.9

87 21.2 17.6 26.4

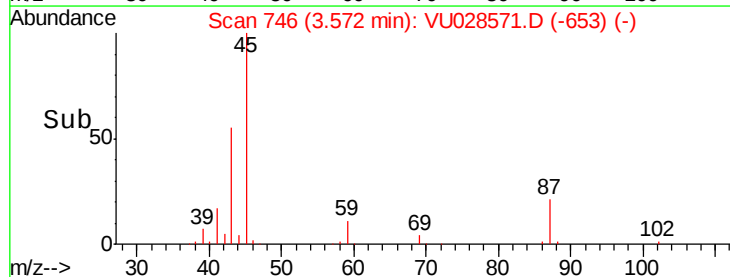
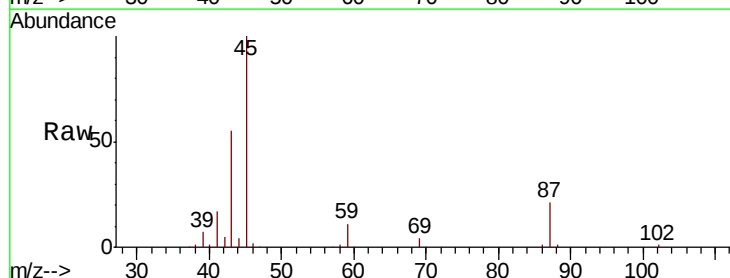
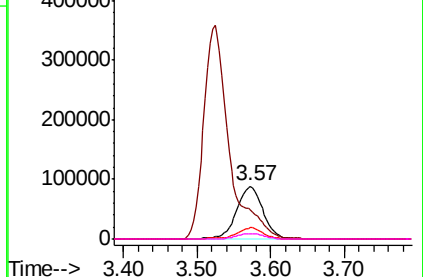
59 10.9 8.8 13.2

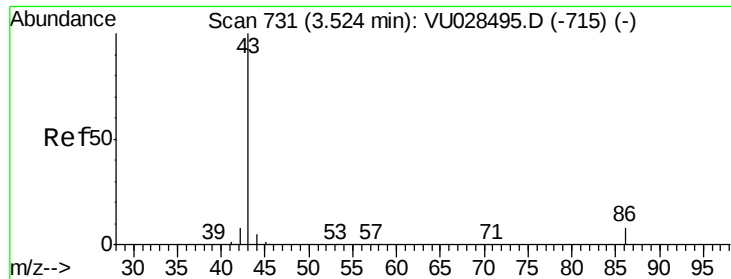
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





#23

Vinyl Acetate

Concen: 265.152 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

Tot Ion: 43 Resp: 861350

Ion Ratio Lower Upper

43 100

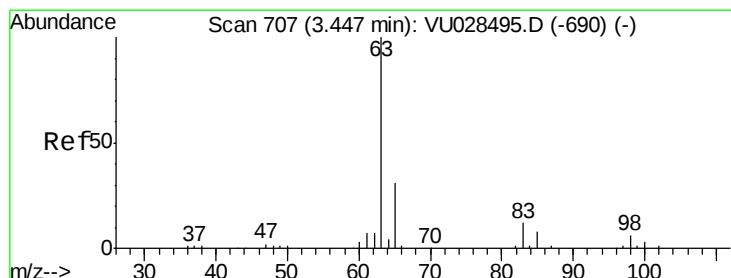
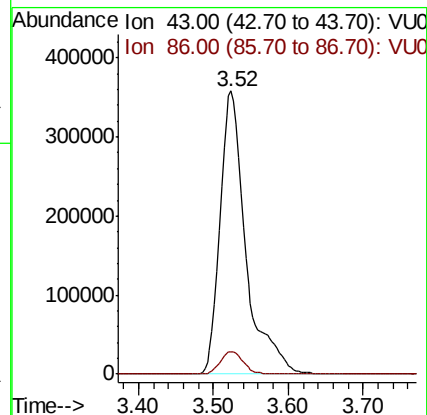
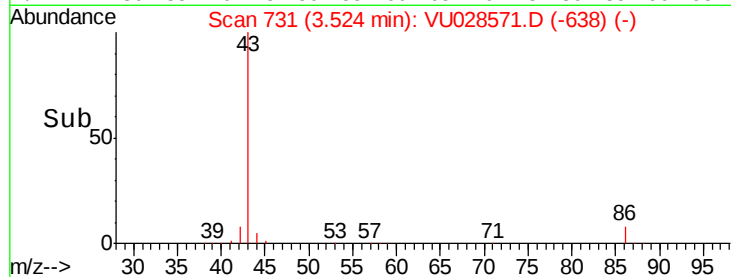
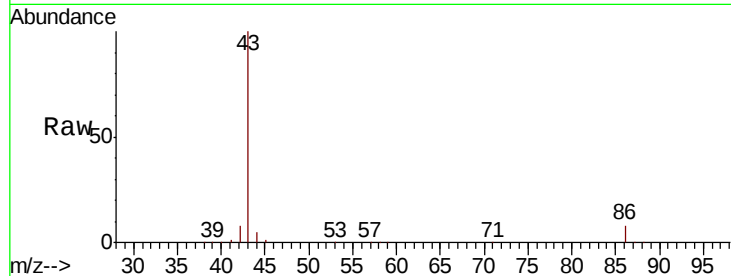
86 7.8 6.8 10.2

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:10:15 PM



#24

1,1-Dichloroethane

Concen: 53.225 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

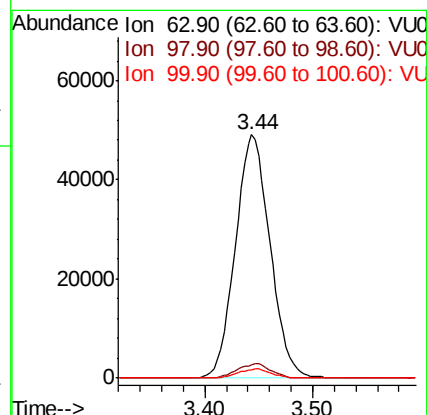
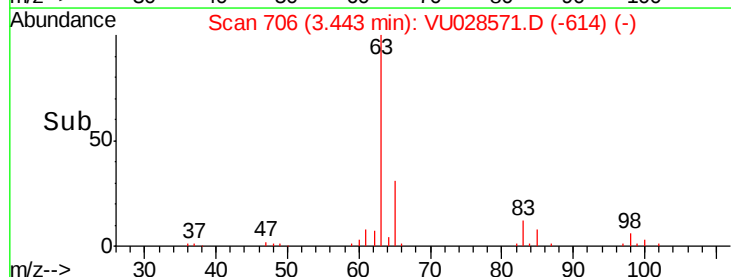
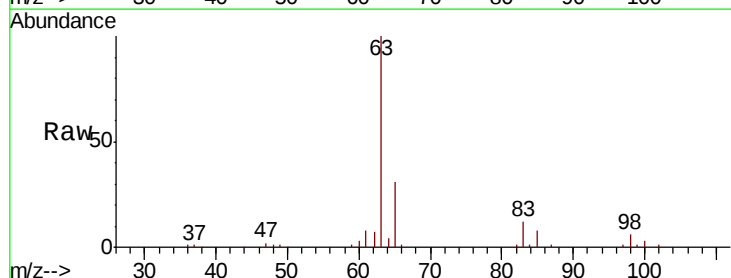
Tgt Ion: 63 Resp: 109726

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

100 3.4 1.7 5.1





#25

2-Butanone

Concen: 278.703 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

Tot Ion: 43 Resp: 291633

Ion Ratio Lower Upper

43 100

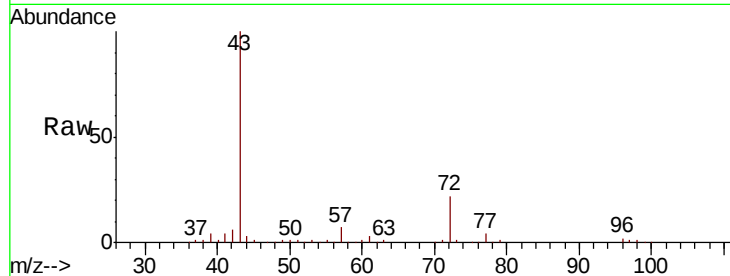
72 22.3 18.6 28.0

Manual Integrations

APPROVED

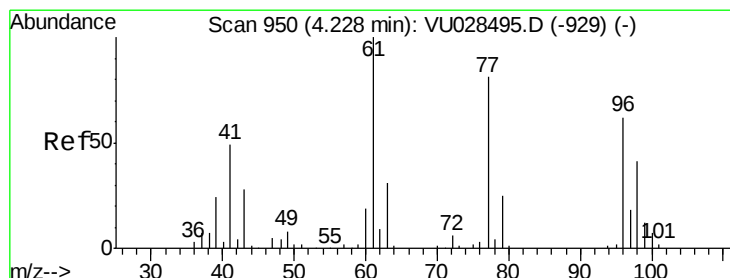
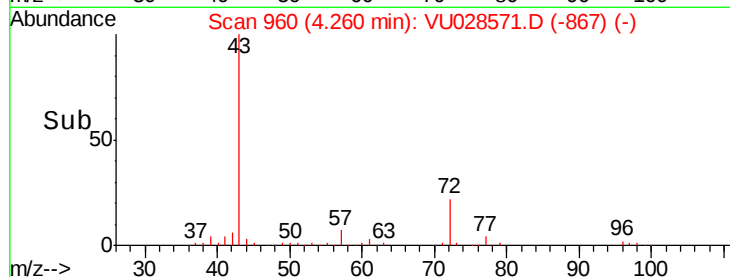
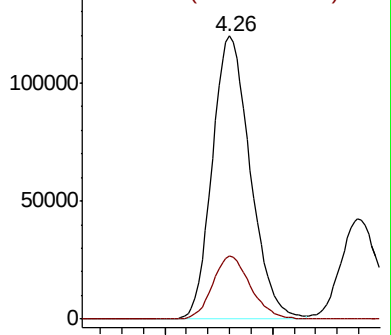
MMDadoda

12/11/2018 12:10:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 46.755 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028571.D

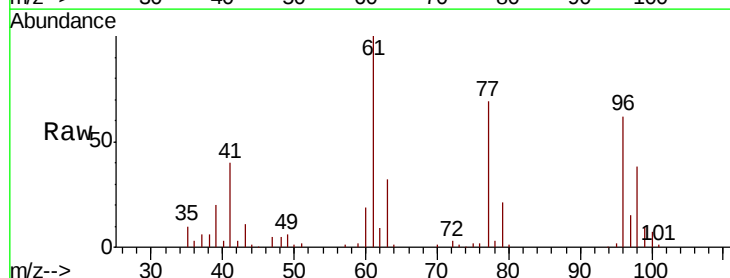
Acq: 10 Dec 2018 23:14

Tgt Ion: 77 Resp: 76373

Ion Ratio Lower Upper

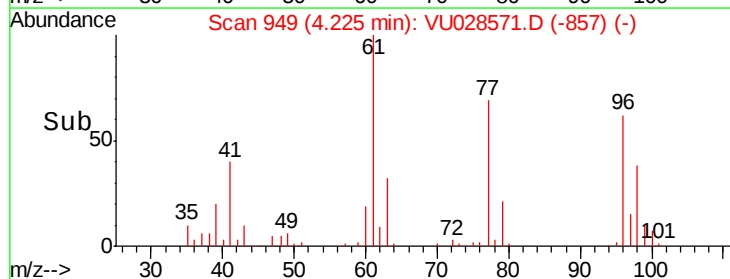
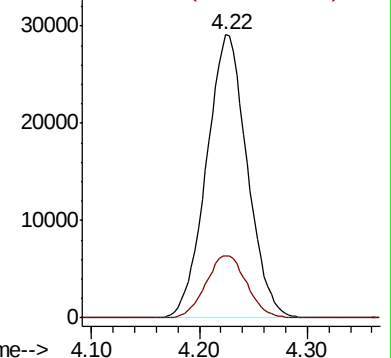
77 100

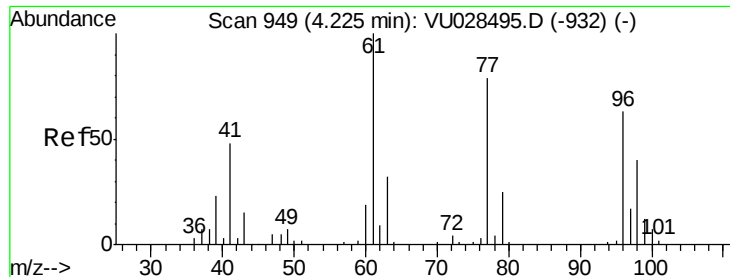
97 22.0 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

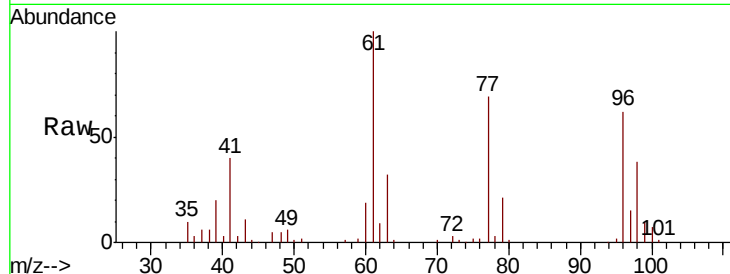
cis-1,2-Dichloroethene
Concen: 57.935 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	63205		
61	161.9		0.0	332.4
98	62.4		0.0	129.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:10:15 PM

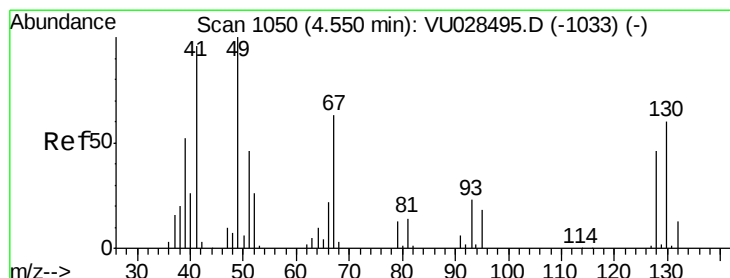
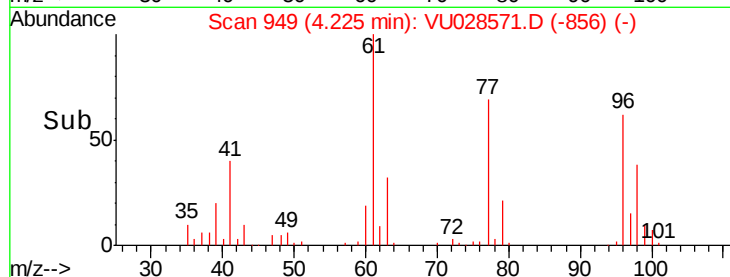
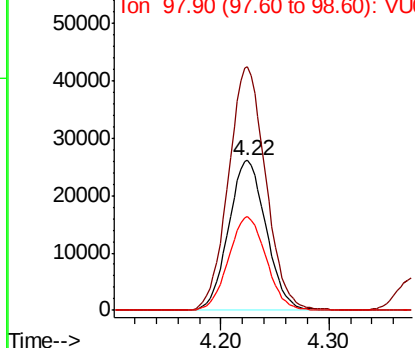


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

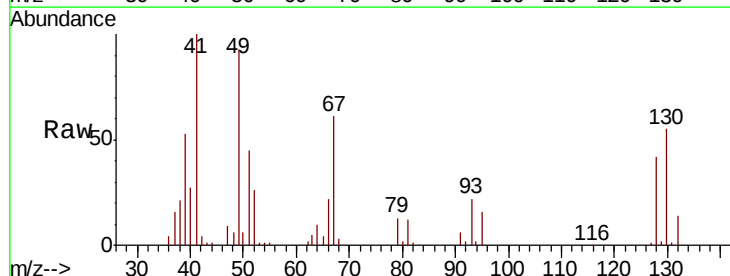
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 57.449 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	53840		
129	1.6		0.0	3.0
130	58.1		47.8	71.8

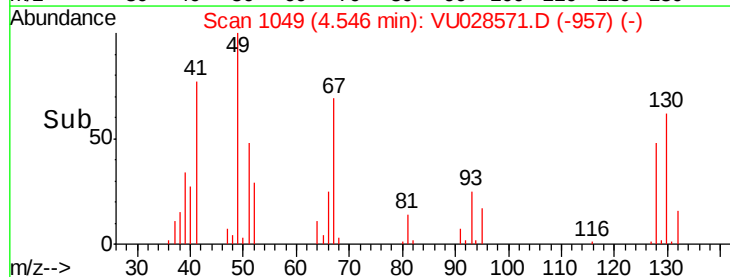
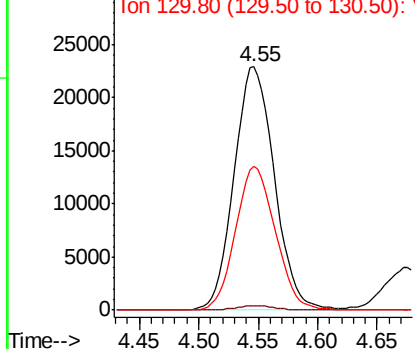


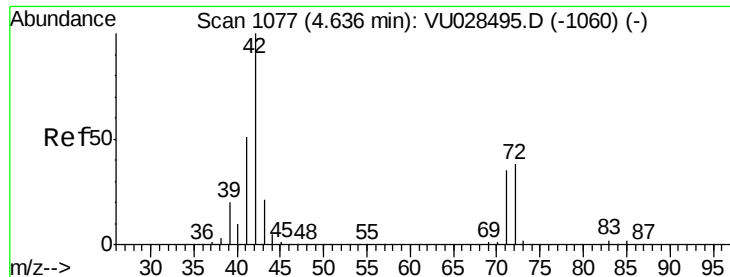
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





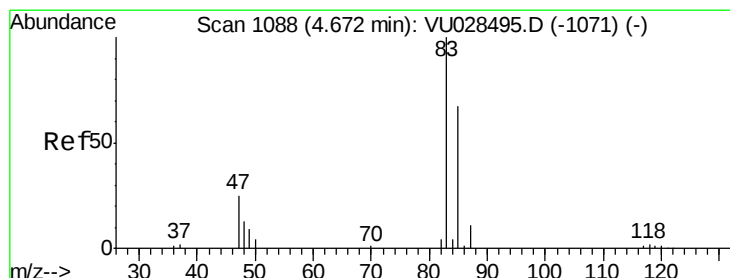
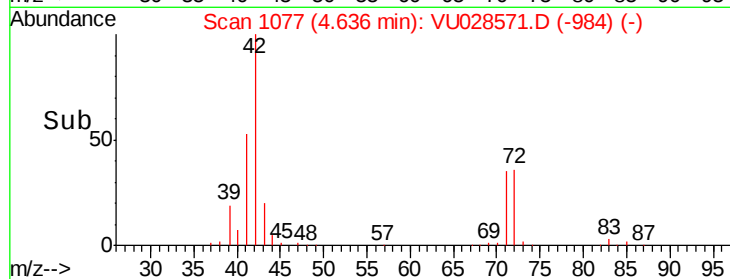
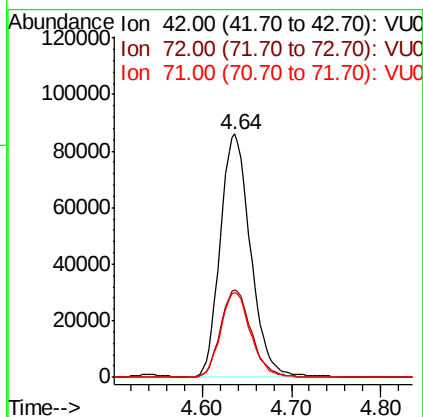
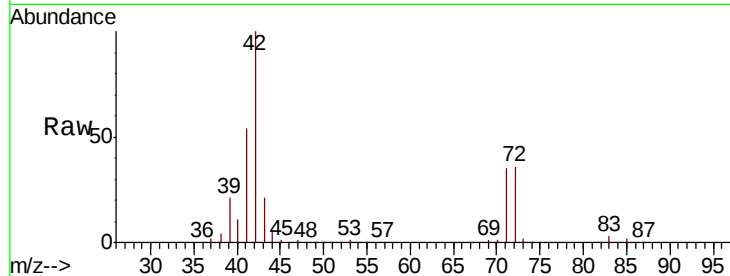
#29
Tetrahydrofuran
Concen: 303.023 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	42	Resp	203642
Ion Ratio	Lower	Upper	
42	100		
72	36.1	31.4	47.0
71	34.4	28.6	43.0

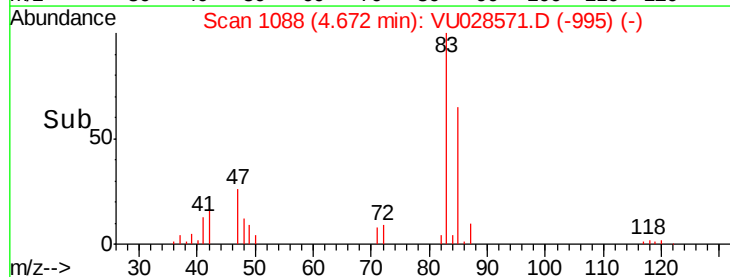
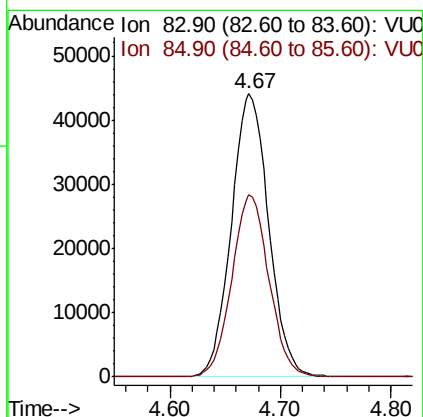
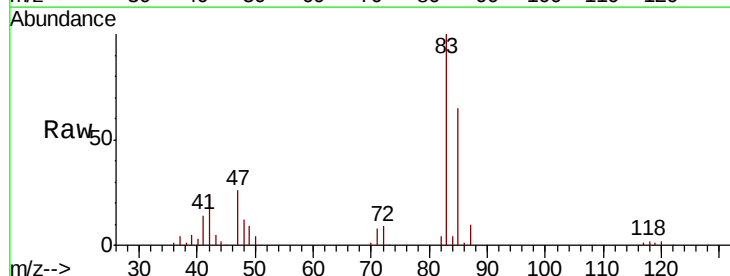
Manual Integrations
APPROVED

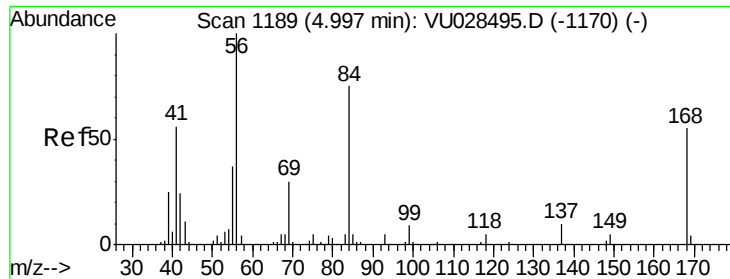
MMDadoda
12/11/2018 12:10:15 PM



#30
Chloroform
Concen: 57.421 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	83	Resp	103173
Ion Ratio	Lower	Upper	
83	100		
85	64.5	53.6	80.4





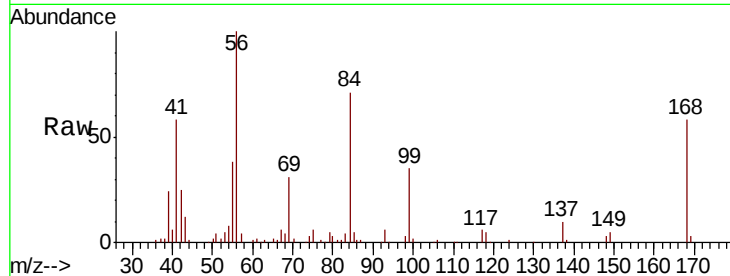
#31
Cyclohexane
Concen: 52.262 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

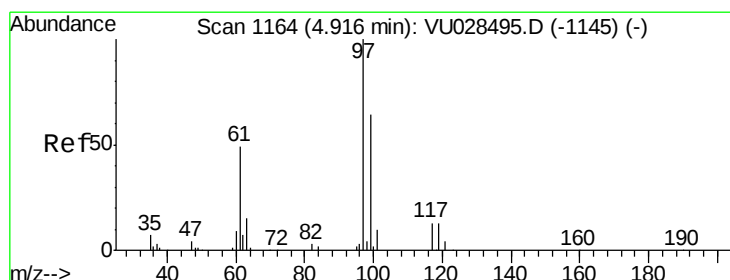
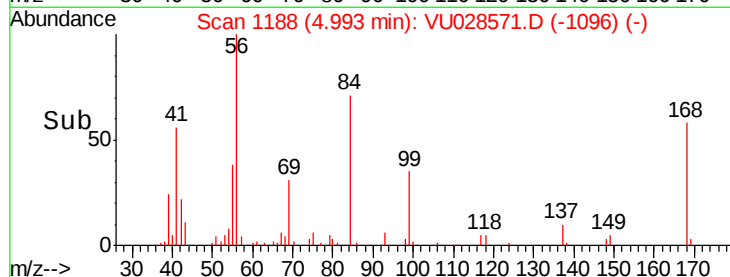
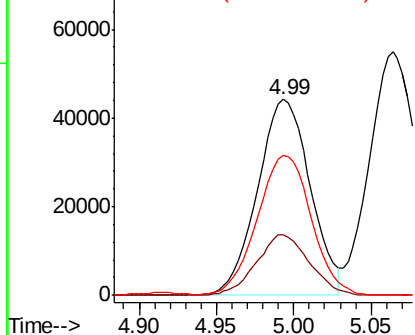
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.0	36.0
84	70.7	59.7	89.5

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:10:15 PM

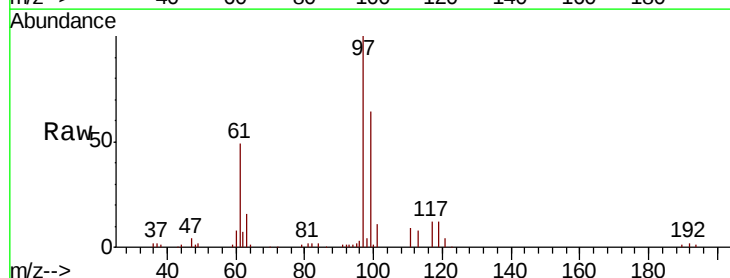


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

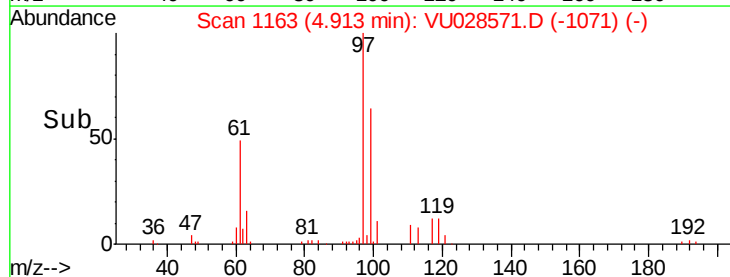
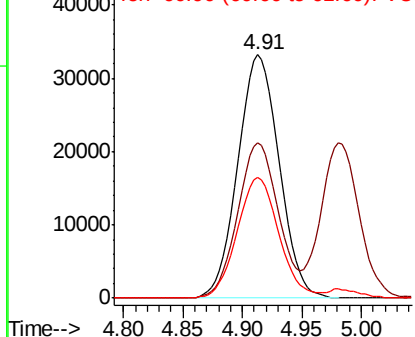


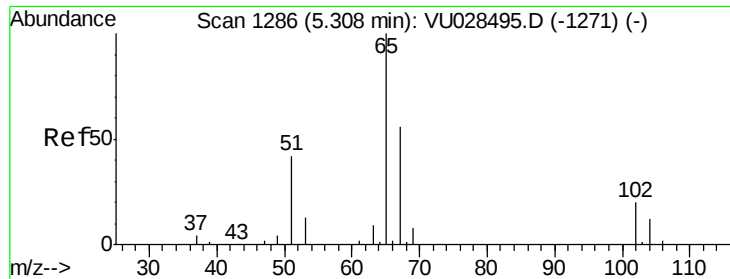
#32
1,1,1-Trichloroethane
Concen: 53.682 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	52.3	78.5
61	50.1	39.0	58.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





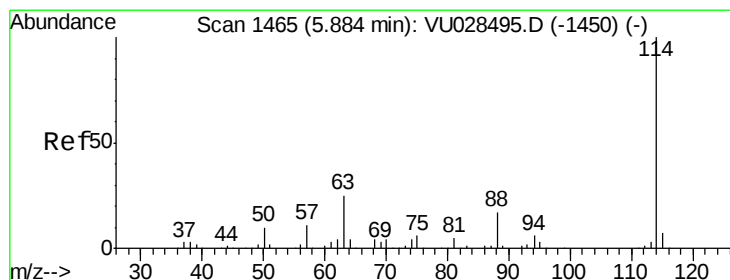
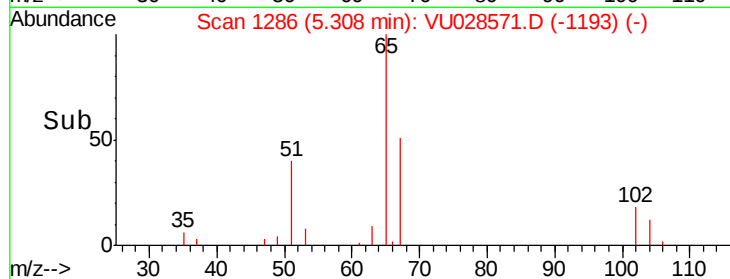
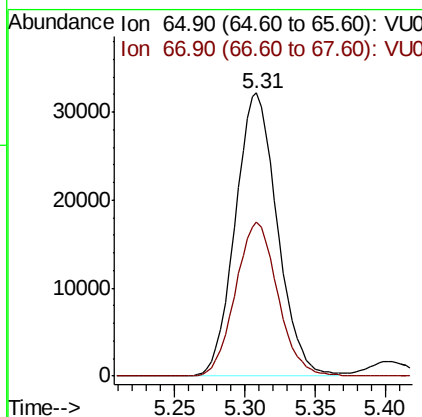
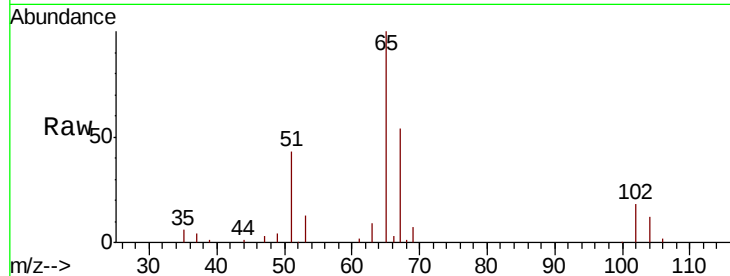
#33
 1,2-Dichloroethane-d4
 Concen: 57.222 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	110.6

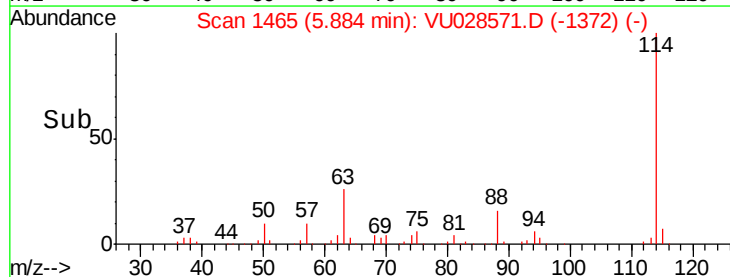
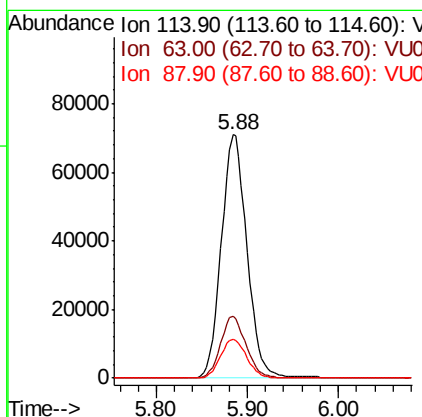
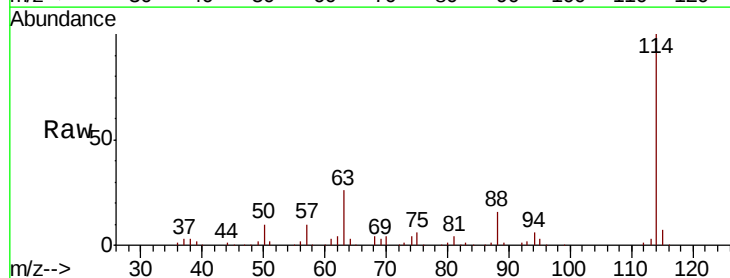
Manual Integrations
 APPROVED

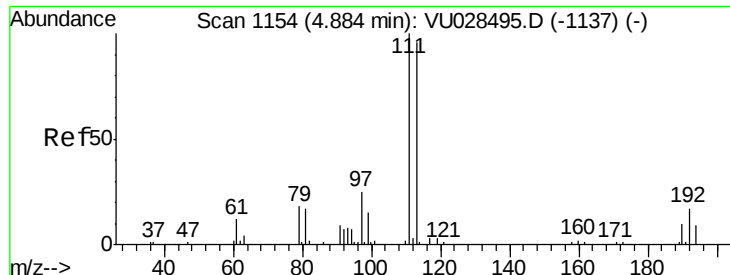
MMDadoda
 12/11/2018 12:10:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	49.2
88	15.8	0.0	33.4





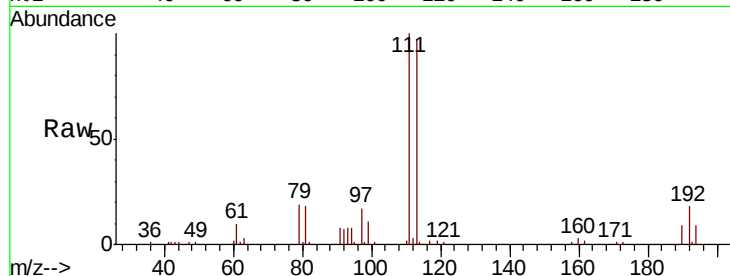
#35
 Dibromofluoromethane
 Concen: 54.578 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.4	125.0
192	18.6	14.8	22.2

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:10:15 PM

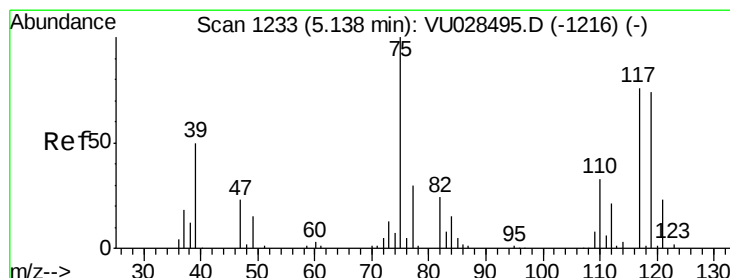
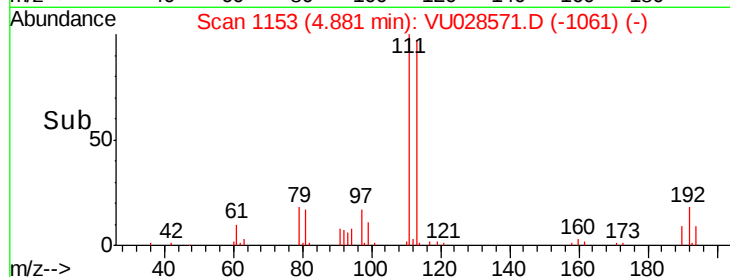
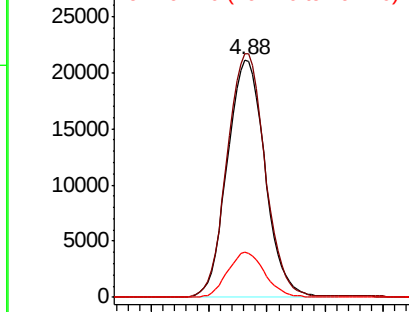


Abundance

Ion 112.80 (112.50 to 113.50): V

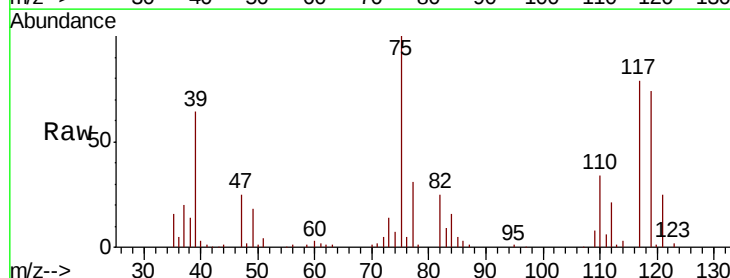
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 48.339 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.1	48.2
77	31.1	24.5	36.7

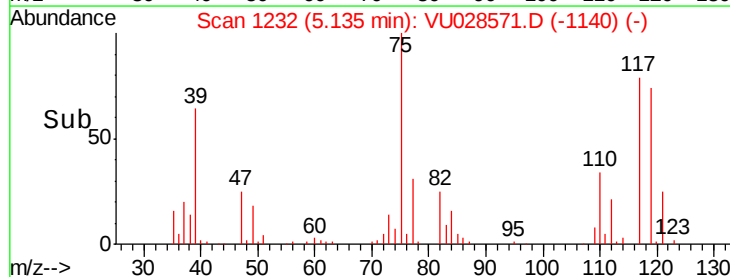
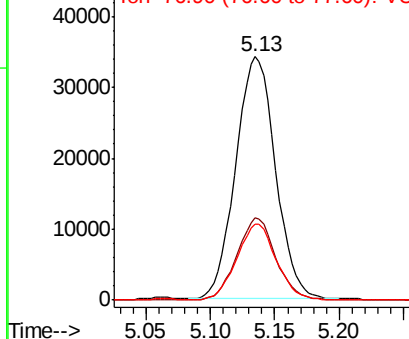


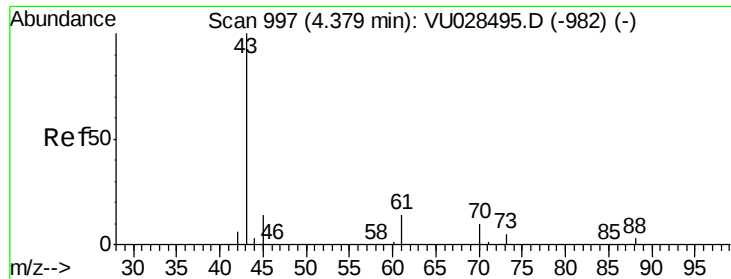
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





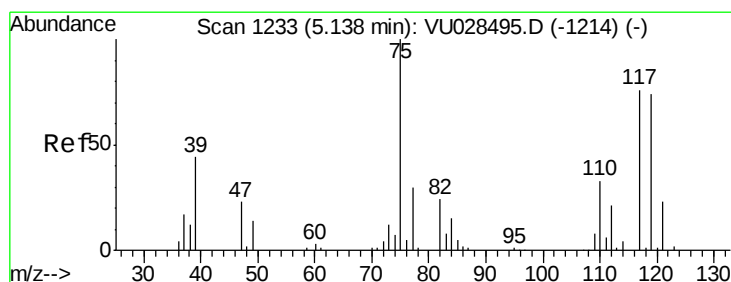
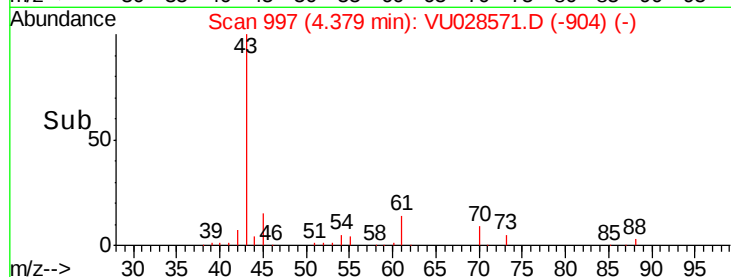
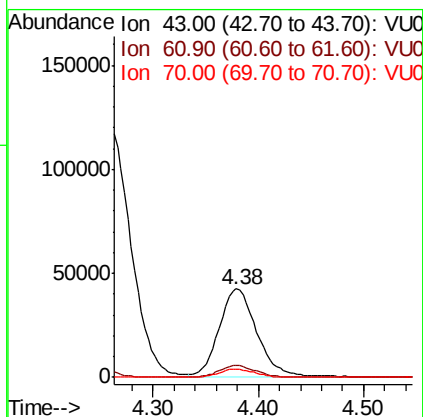
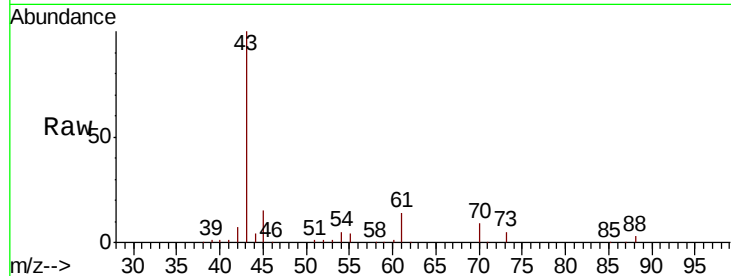
#37
Ethyl Acetate
Concen: 52.641 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.0	16.4
70	9.0	7.4	11.0

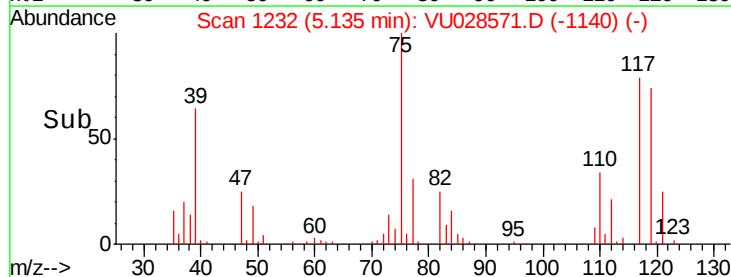
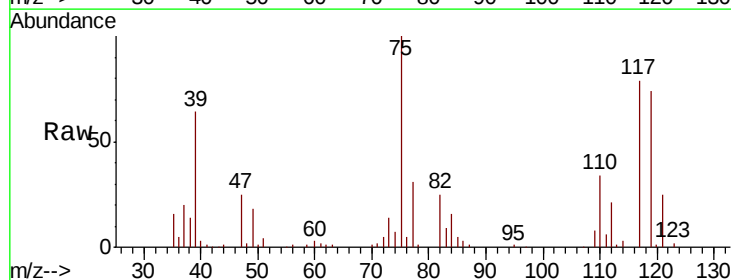
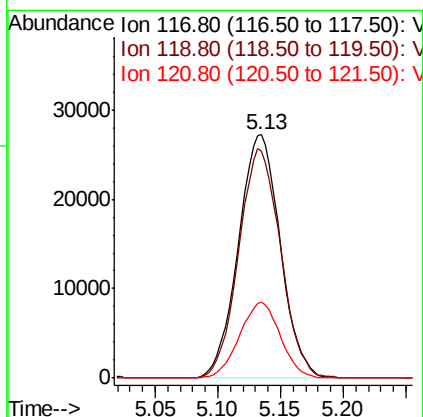
Manual Integrations
APPROVED

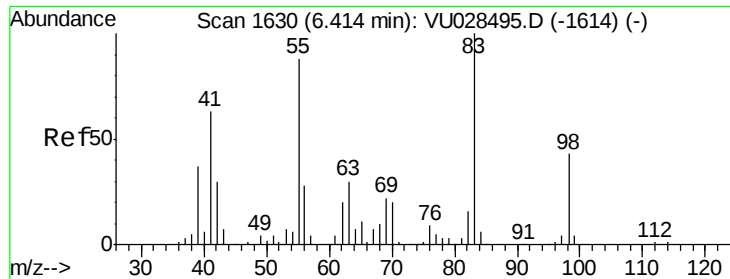
MMDadoda
12/11/2018 12:10:15 PM



#38
Carbon Tetrachloride
Concen: 51.487 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.6	116.4
121	31.2	24.6	36.8





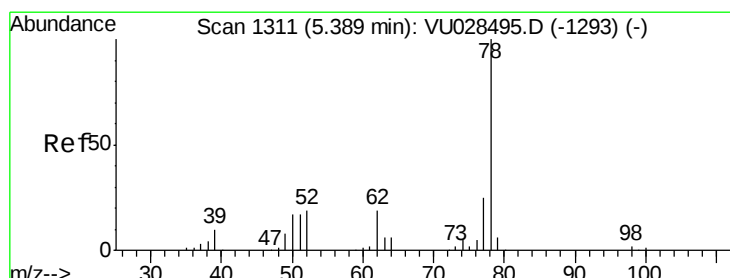
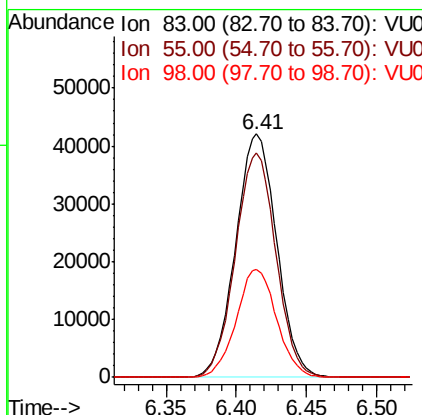
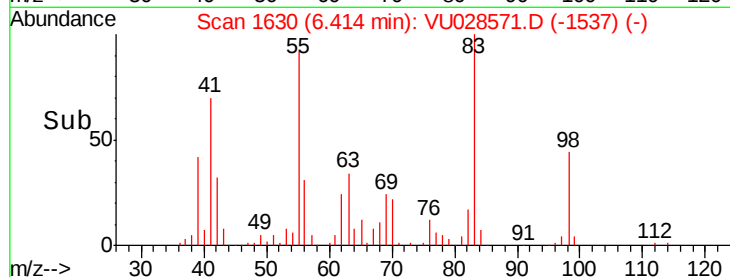
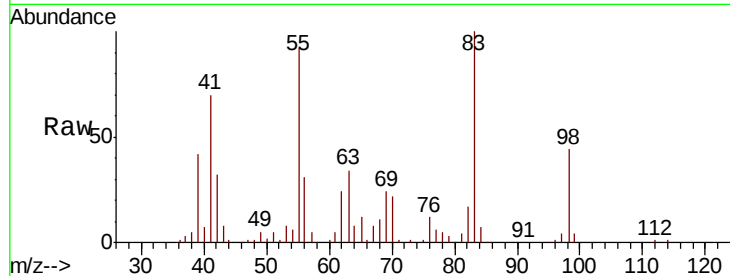
#39
Methylvlcvclohexane
Concen: 46.197 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	83.00	Resp	85780
Ion	Ratio	Lower	Upper
83	100		
55	91.9	70.2	105.2
98	44.4	34.2	51.4

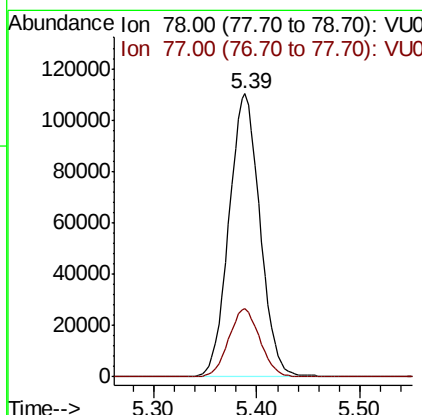
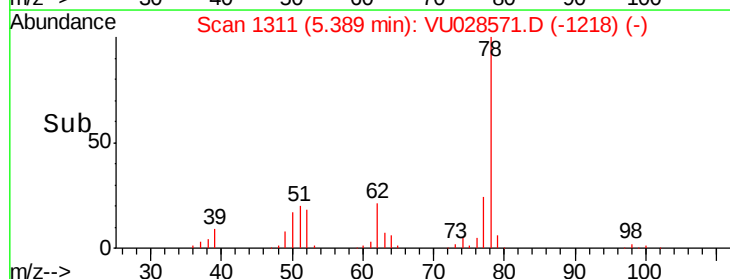
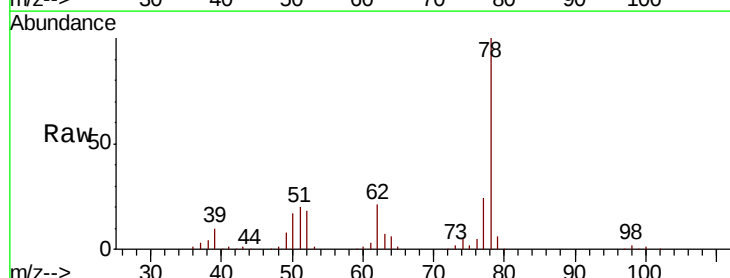
Manual Integrations
APPROVED

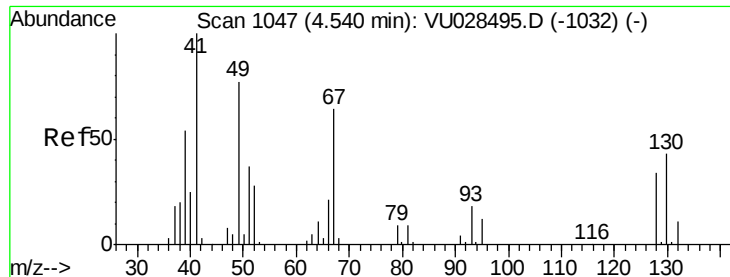
MMDadoda
12/11/2018 12:10:15 PM



#40
Benzene
Concen: 51.505 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	78.00	Resp	230880
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.9	29.9





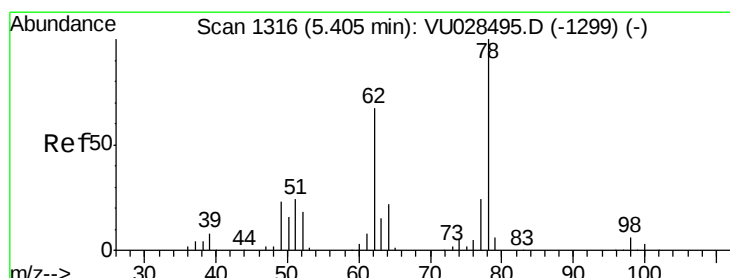
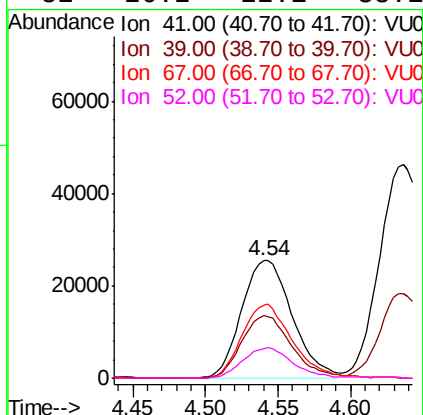
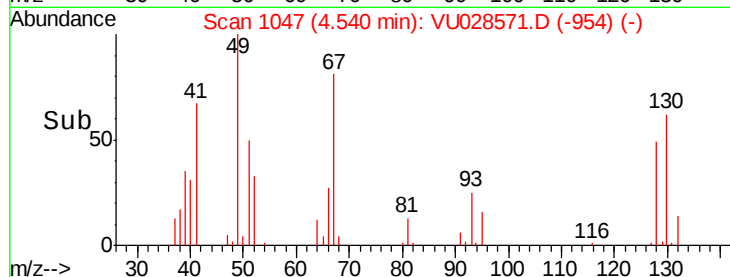
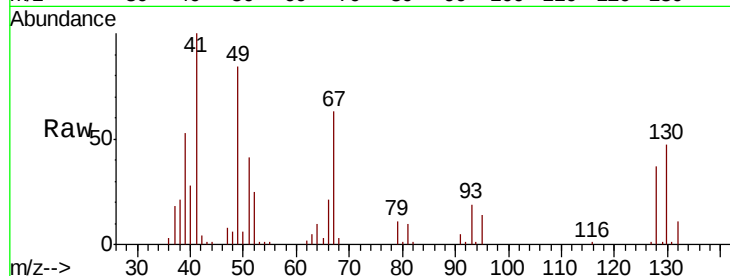
#41
Methacrylonitrile
Concen: 57.559 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	43.3	64.9	
67	62.4	53.6	80.4	
52	26.2	22.1	33.1	

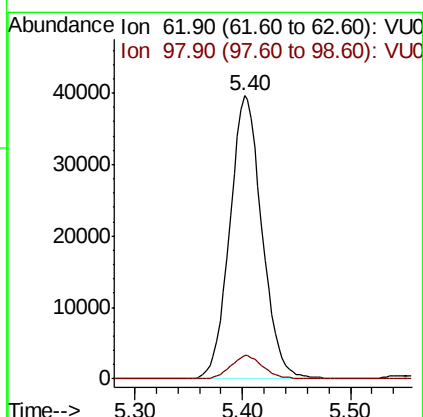
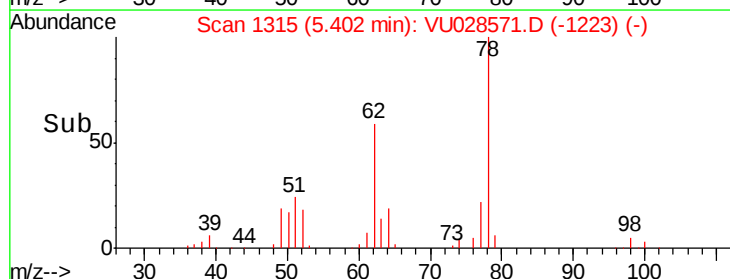
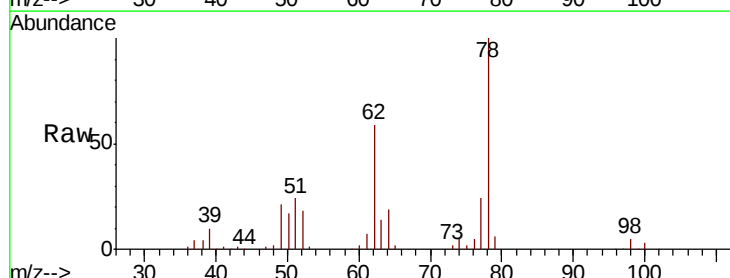
Manual Integrations
APPROVED

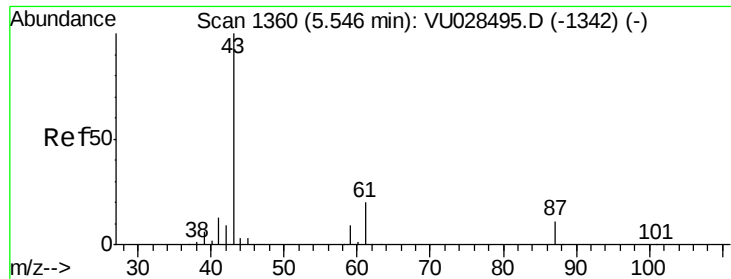
MMDadoda
12/11/2018 12:10:15 PM



#42
1,2-Dichloroethane
Concen: 52.545 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.2	





#43

Isopropyl Acetate

Concen: 53.870 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

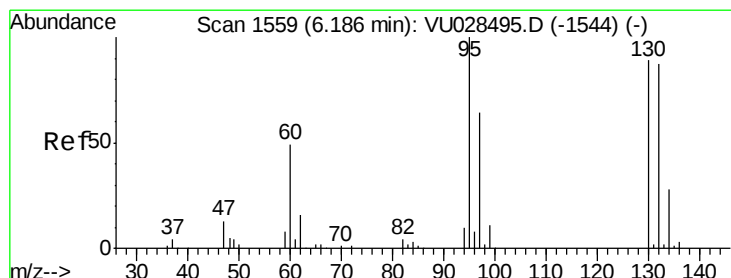
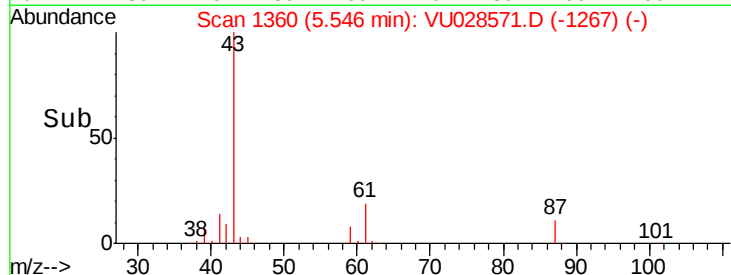
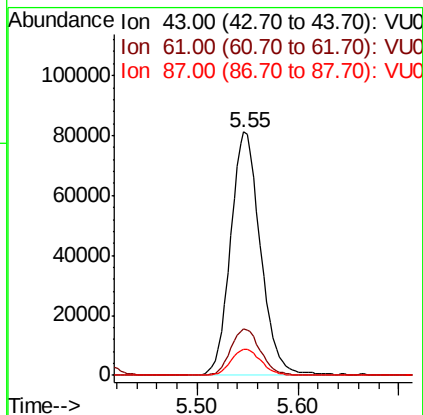
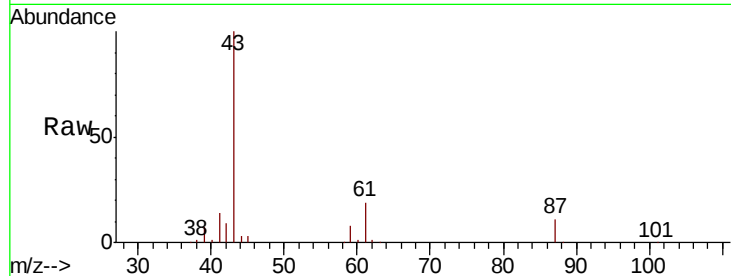
ClientSampleId :

RE-131D1-20181205MS

Tot Ion:	43	Resp:	167644
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.5	23.3
87	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:10:15 PM



#44

Trichloroethene

Concen: 229.302 ug/l

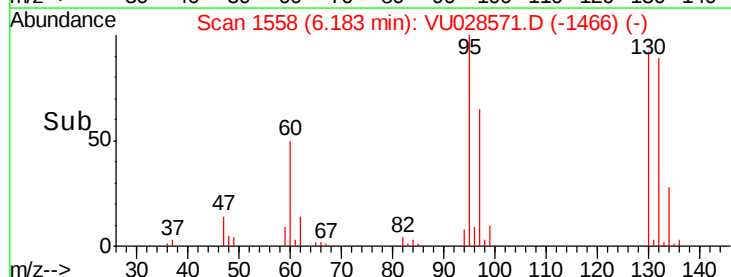
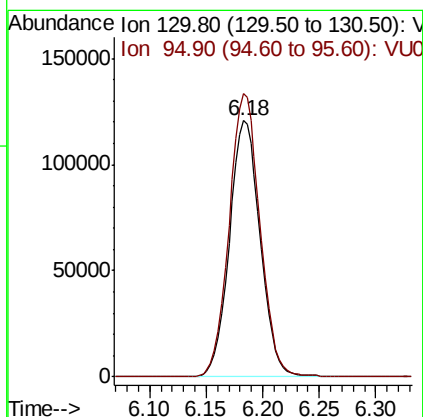
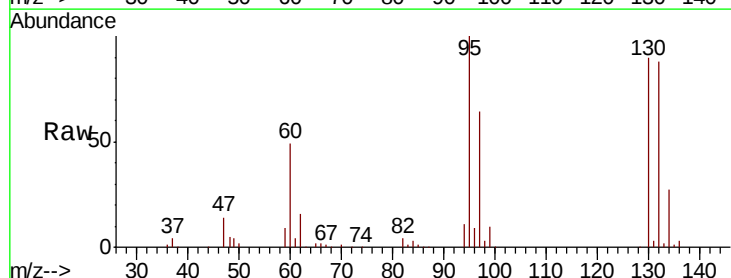
RT: 6.18 min Scan# 1558

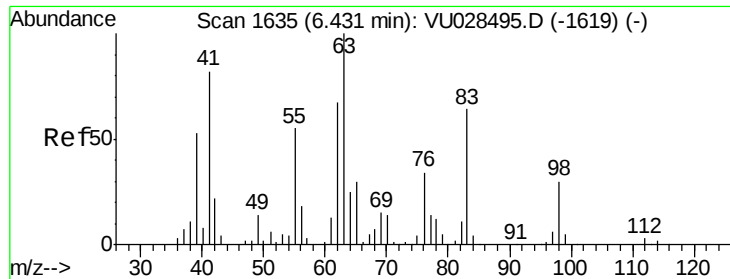
Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Tgt Ion:	130	Resp:	228549
Ion	Ratio	Lower	Upper
130	100		
95	110.5	0.0	224.0





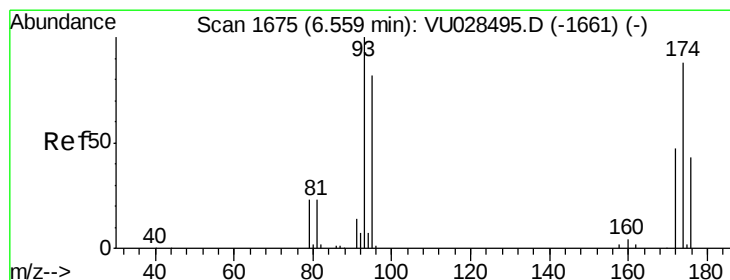
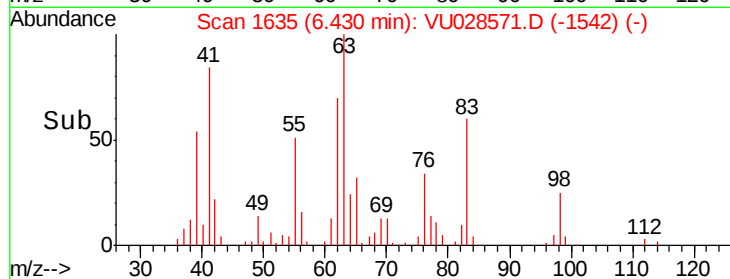
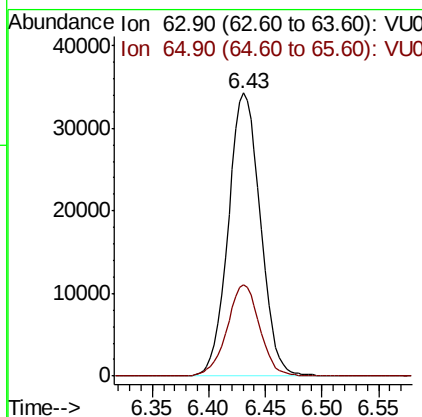
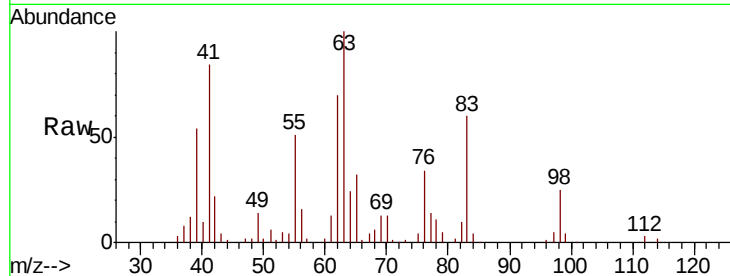
#45
 1,2-Dichloropropane
 Concen: 53.661 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Tot Ion: 63 Resp: 67643
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.2 36.4

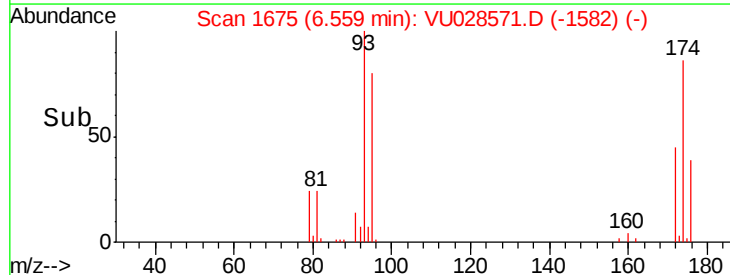
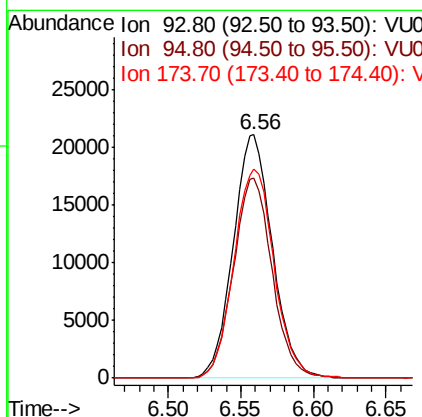
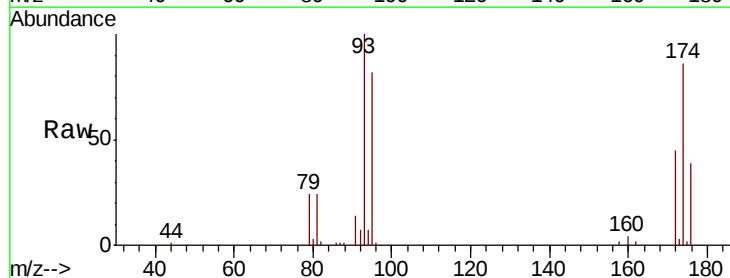
Manual Integrations
 APPROVED

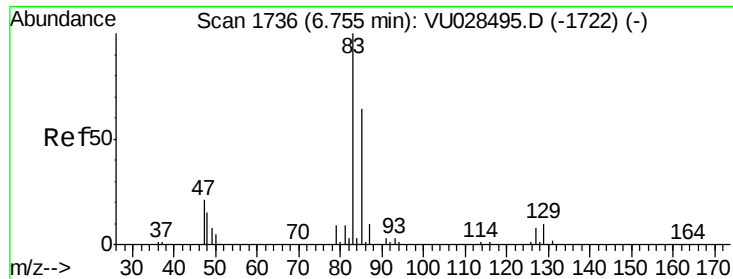
MMDadoda
 12/11/2018 12:10:15 PM



#46
 Dibromomethane
 Concen: 52.767 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion: 93 Resp: 39466
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.4 98.2
 174 88.5 72.2 108.4





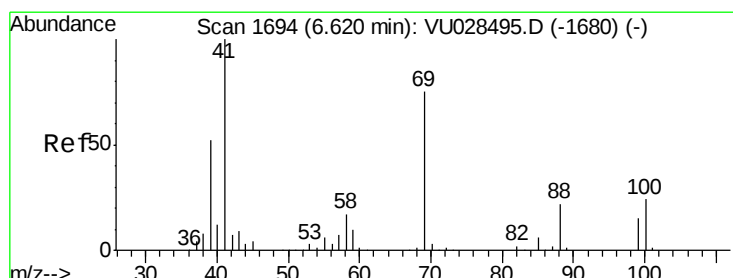
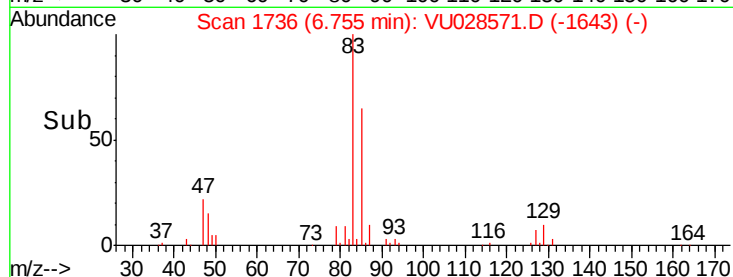
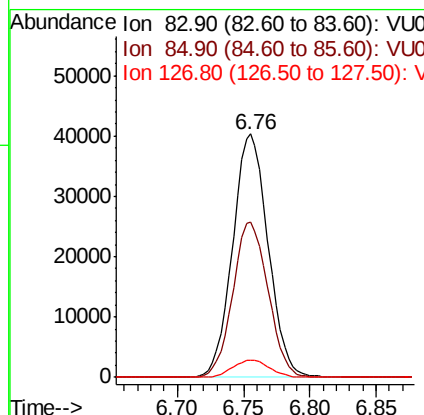
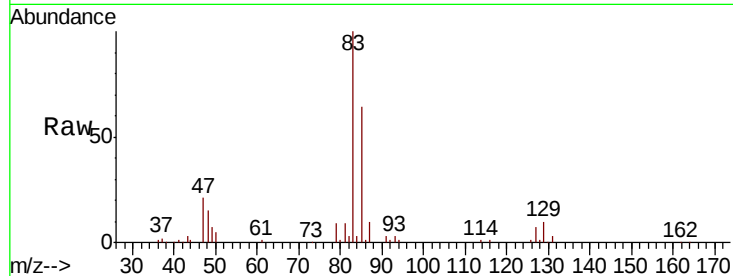
#47
Bromodichloromethane
Concen: 51.381 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	83	Resp	74781
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	51.5	77.3
127	7.2	6.2	9.4

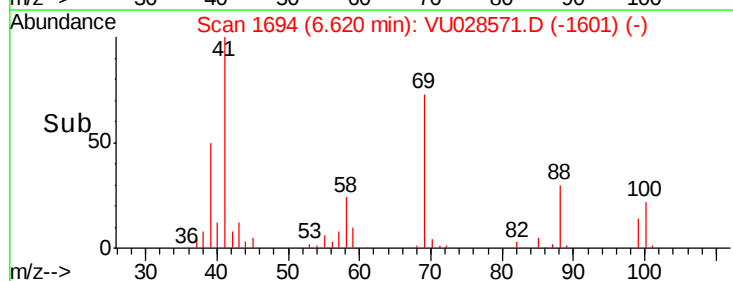
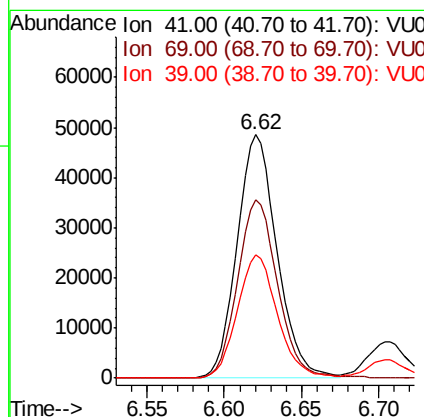
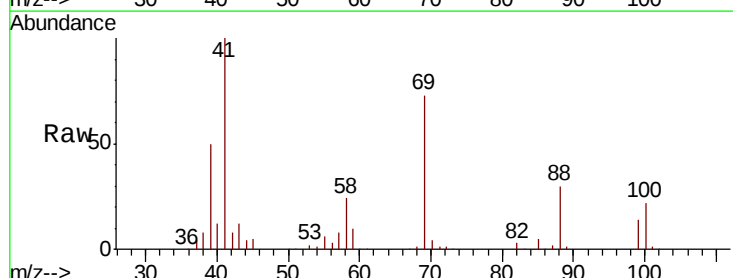
Manual Integrations
APPROVED

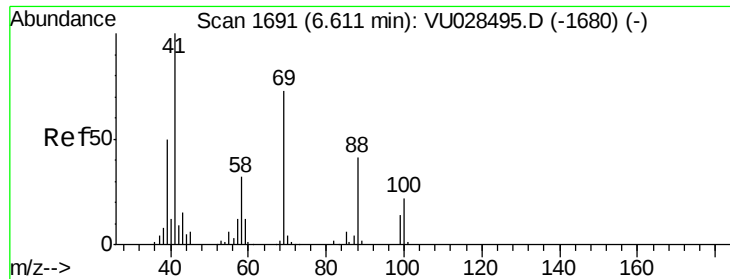
MMDadoda
12/11/2018 12:10:15 PM



#48
Methyl methacrylate
Concen: 56.442 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	41	Resp	87350
Ion Ratio	100	Lower	Upper
41	100		
69	73.5	60.4	90.6
39	50.7	41.1	61.7





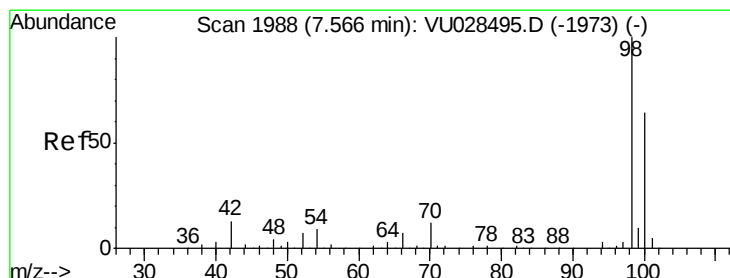
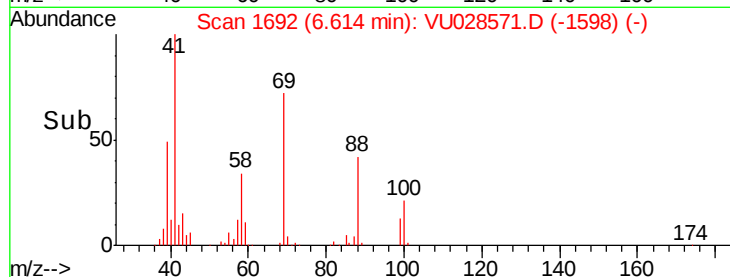
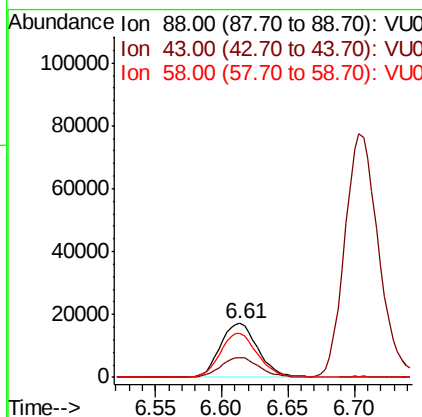
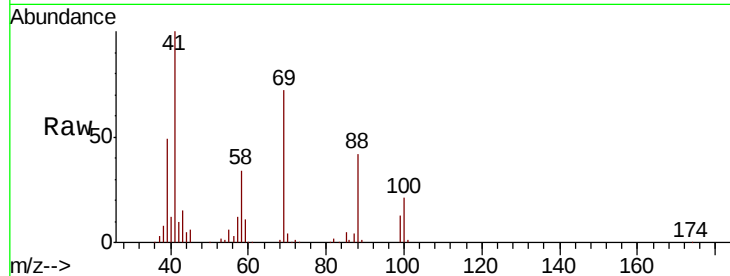
#49
1,4-Dioxane
Concen: 1392.634 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	30.9	46.3
58	80.5	62.4	93.6

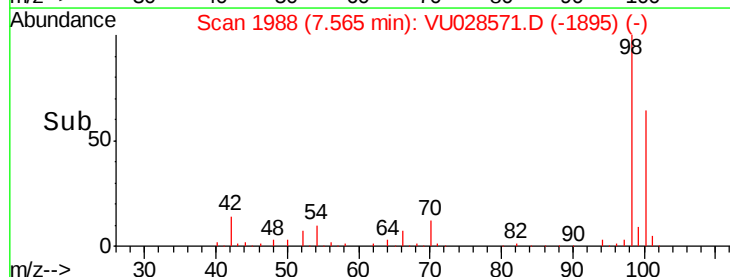
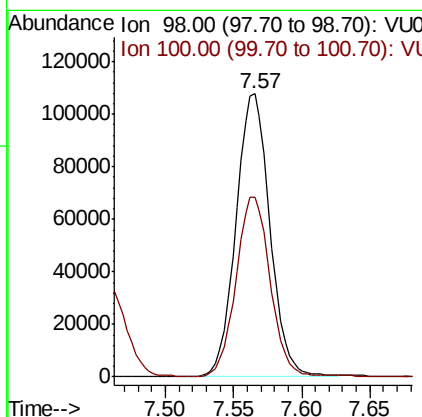
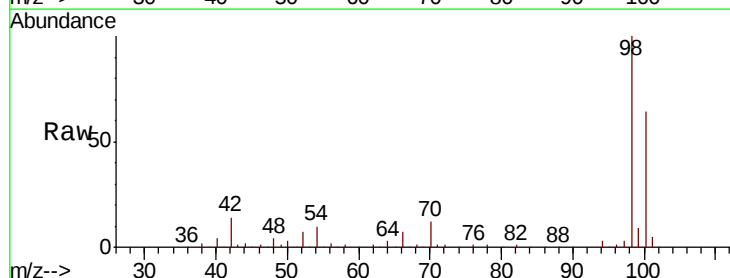
Manual Integrations
APPROVED

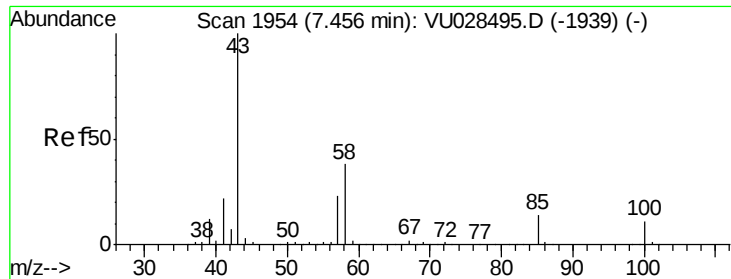
MMDadoda
12/11/2018 12:10:15 PM



#50
Toluene-d8
Concen: 53.813 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 283.182 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

Tot Ion: 43 Resp: 555828

Ion Ratio Lower Upper

43 100

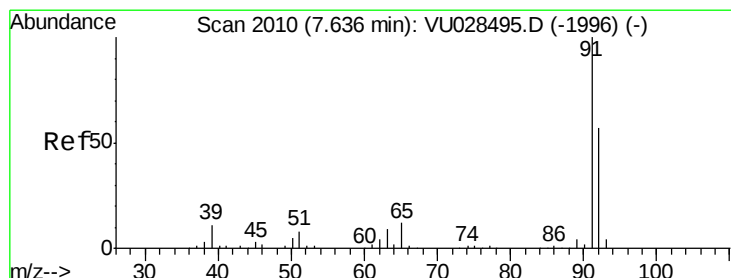
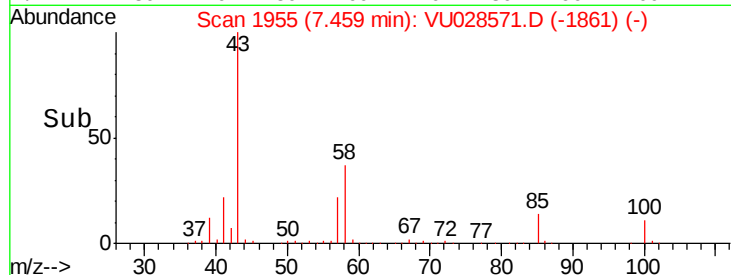
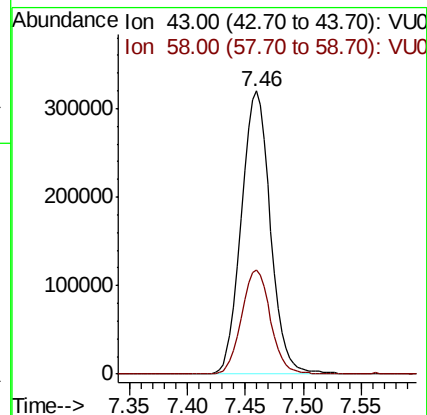
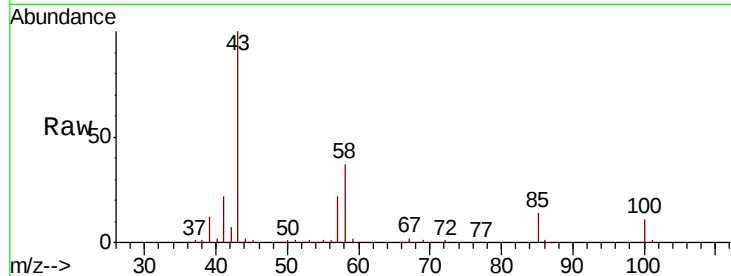
58 36.7 30.2 45.2

Manual Integrations

APPROVED

MMDadoda

12/11/2018 12:10:15 PM



#52

Toluene

Concen: 50.523 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028571.D

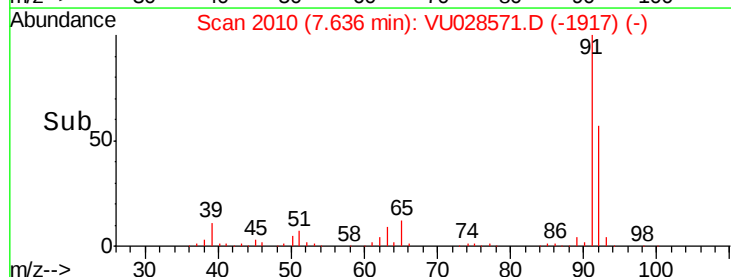
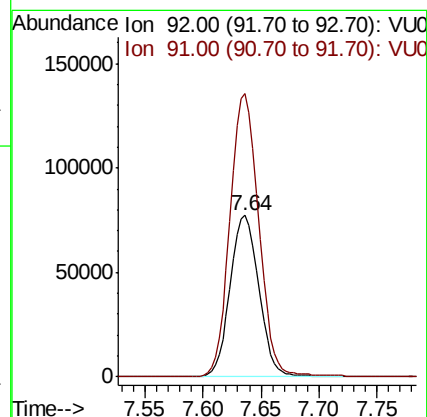
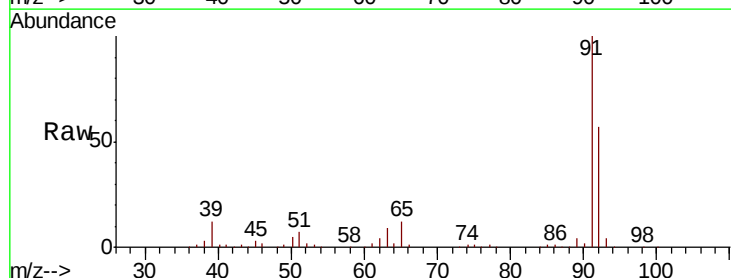
Acq: 10 Dec 2018 23:14

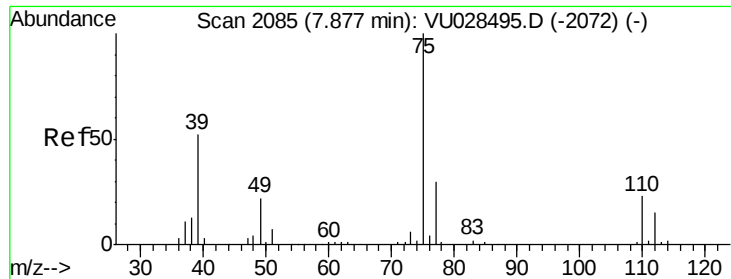
Tgt Ion: 92 Resp: 133287

Ion Ratio Lower Upper

92 100

91 175.3 140.2 210.4





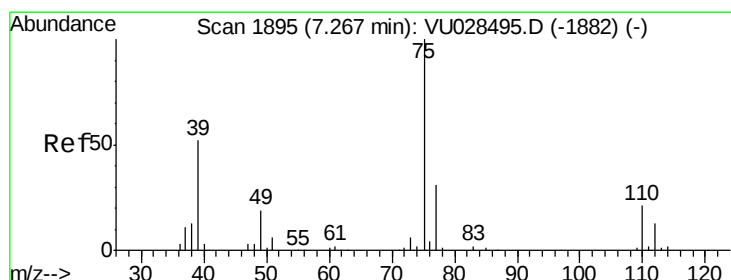
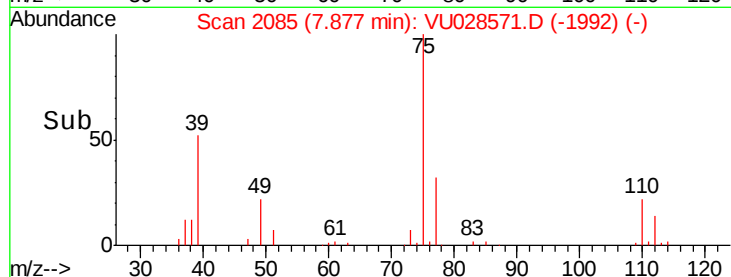
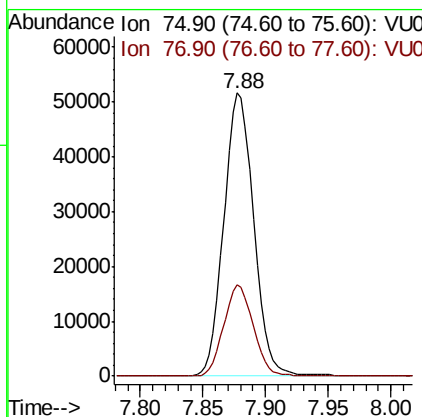
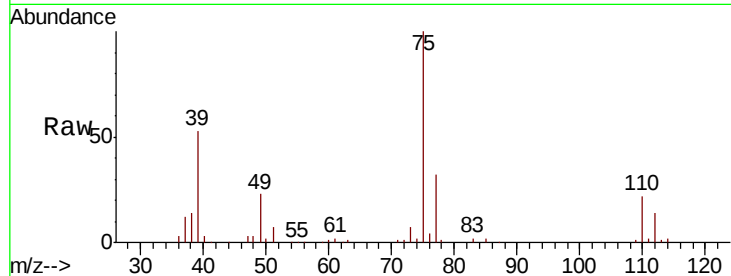
#53
t-1,3-Dichloropropene
Concen: 49.419 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion: 75 Resp: 85662
Ion Ratio Lower Upper
75 100
77 32.4 24.2 36.4

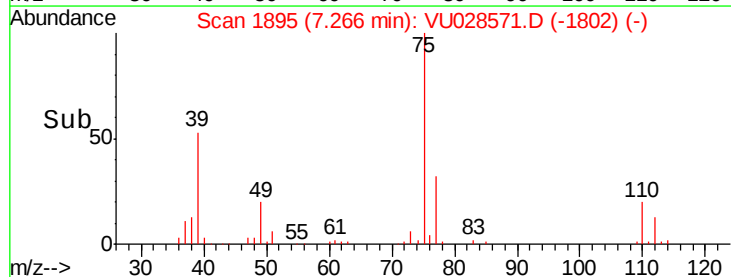
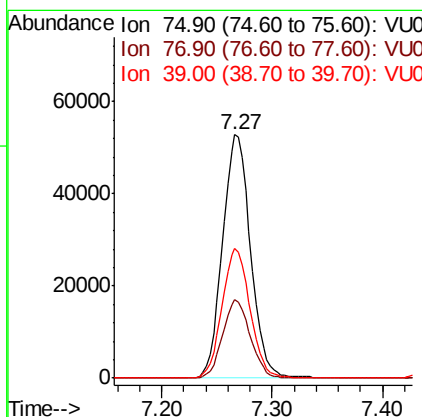
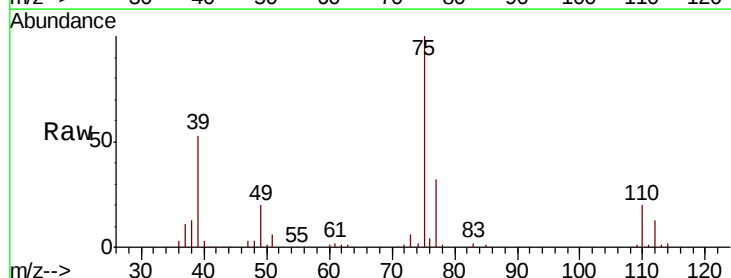
Manual Integrations
APPROVED

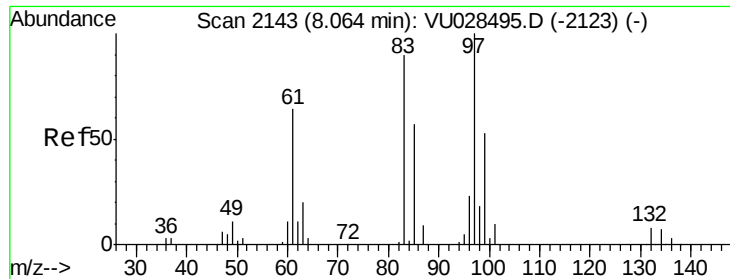
MMDadoda
12/11/2018 12:10:15 PM



#54
cis-1,3-Dichloropropene
Concen: 49.498 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 75 Resp: 93086
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.4
39 53.2 41.3 61.9





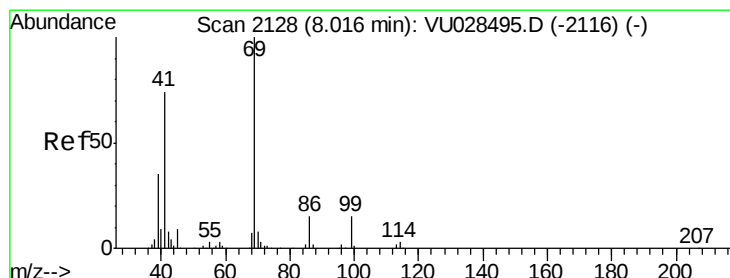
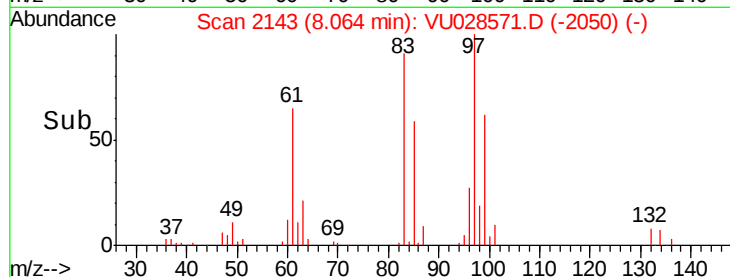
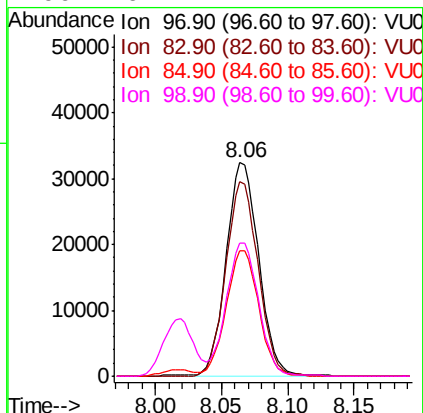
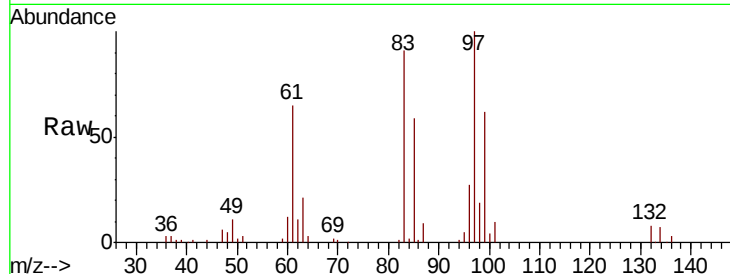
#55
1,1,2-Trichloroethane
Concen: 53.164 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion:	97	Resp:	55442
Ion	Ratio	Lower	Upper
97	100		
83	91.2	72.4	108.6
85	59.0	46.0	69.0
99	62.2	47.4	71.2

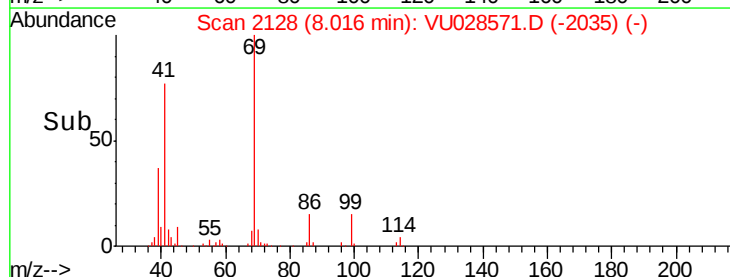
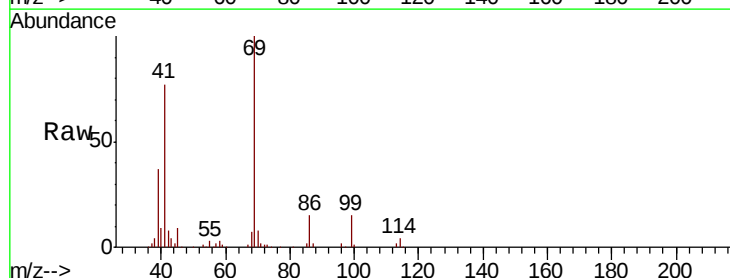
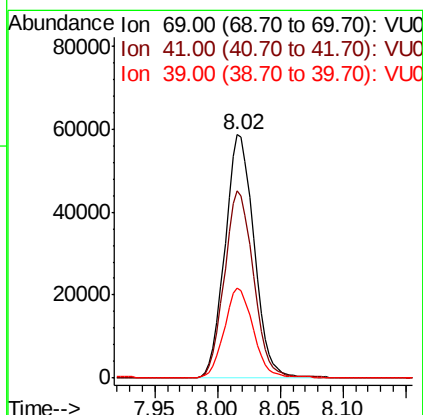
Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:10:15 PM



#56
Ethyl methacrylate
Concen: 53.027 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion:	69	Resp:	94697
Ion	Ratio	Lower	Upper
69	100		
41	77.1	59.1	88.7
39	36.7	28.4	42.6





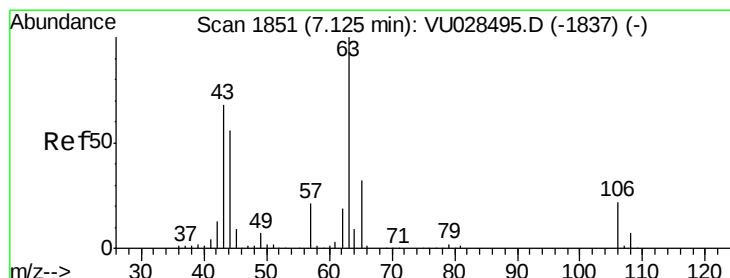
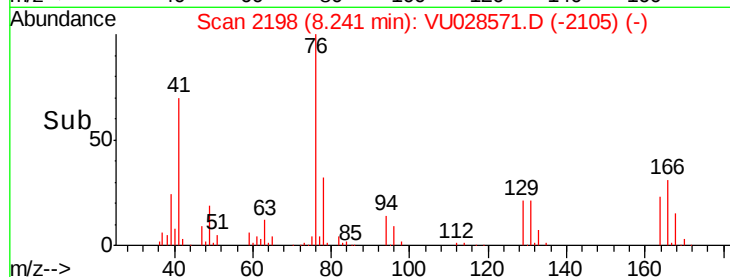
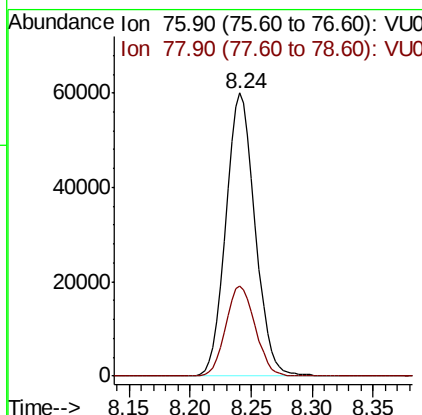
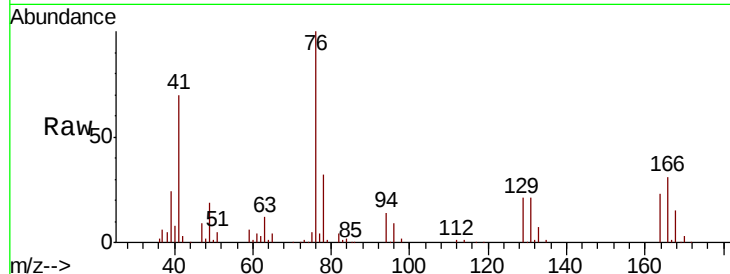
#57
 1,3-Dichloropropane
 Concen: 52.076 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.2	37.8

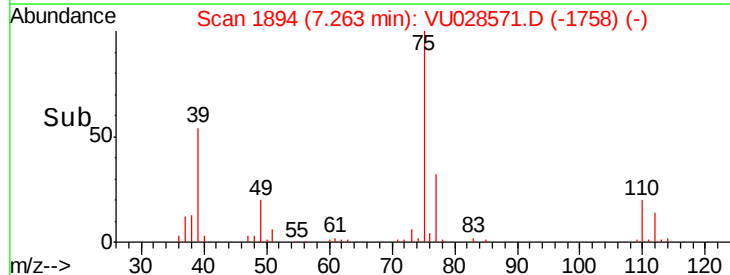
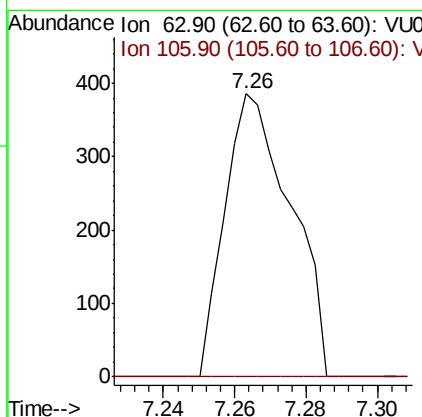
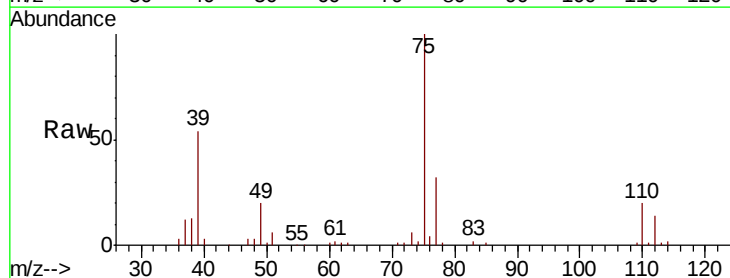
Manual Integrations
 APPROVED

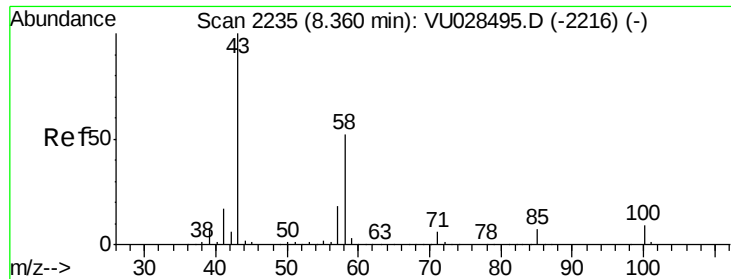
MMDadoda
 12/11/2018 12:10:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.537 ug/l
 RT: 7.26 min Scan# 1894
 Delta R.T. 0.14 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	17.8	26.6





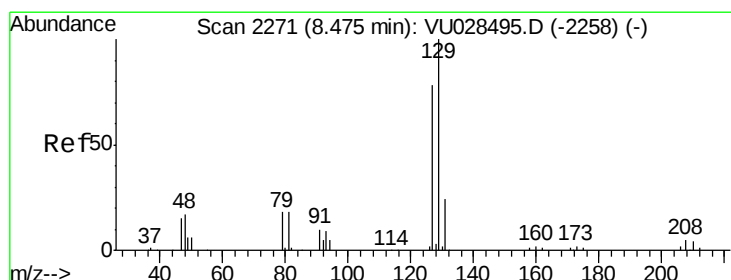
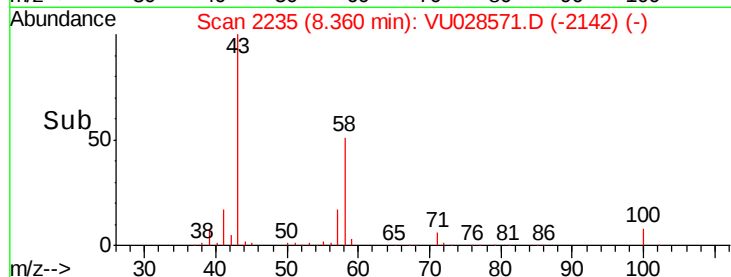
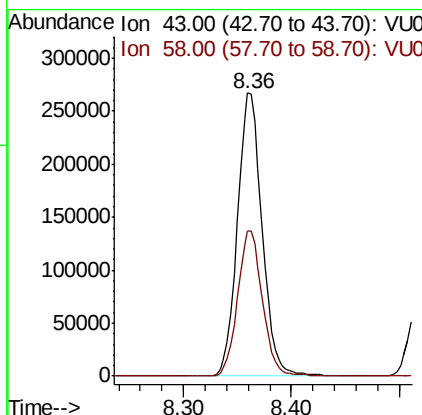
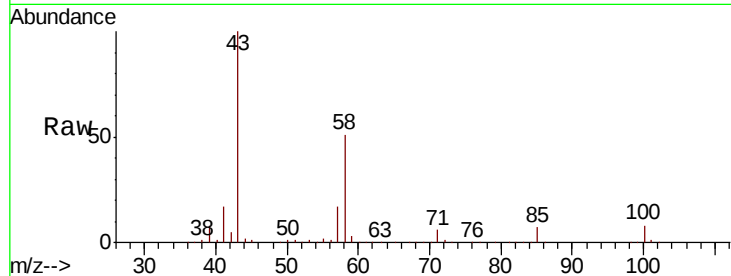
#59
2-Hexanone
Concen: 274.203 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	43	Resp	426584
Ion Ratio	100	Lower	Upper
58	51.7	25.9	77.6

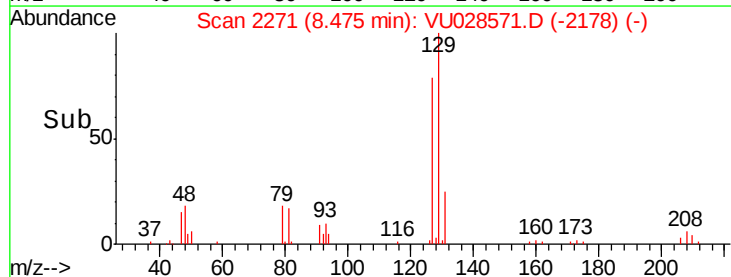
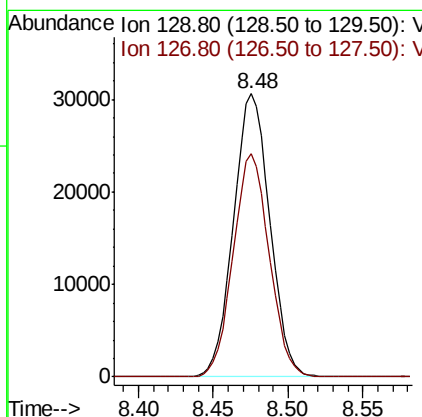
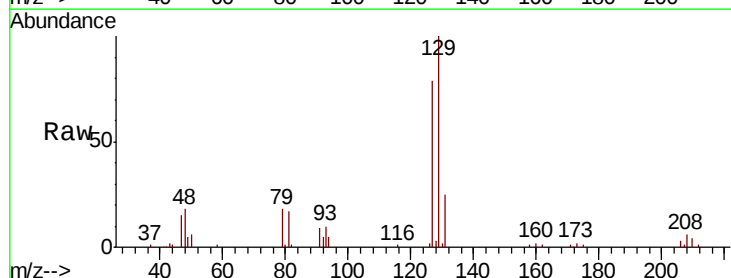
Manual Integrations
APPROVED

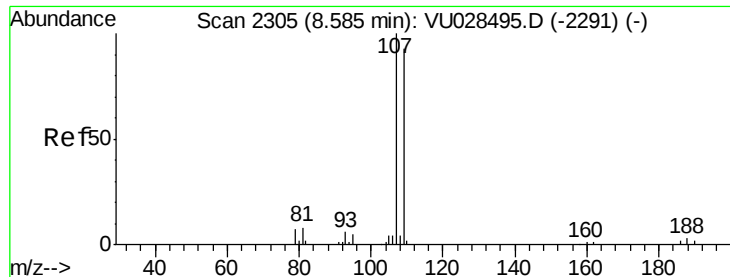
MMDadoda
12/11/2018 12:10:15 PM



#60
Dibromochloromethane
Concen: 50.815 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	129	Resp	51882
Ion Ratio	100	Lower	Upper
127	78.1	39.1	117.3





#61

1,2-Dibromoethane

Concen: 52.450 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

Tot Ion:107 Resp: 57359

Ion Ratio Lower Upper

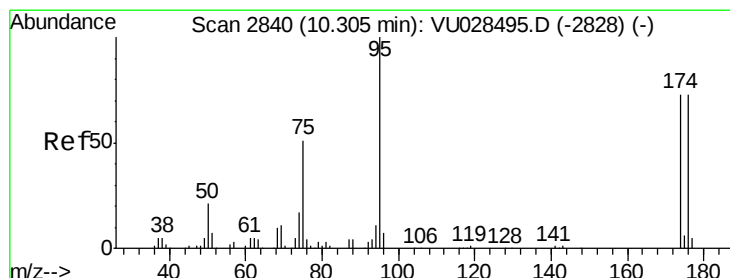
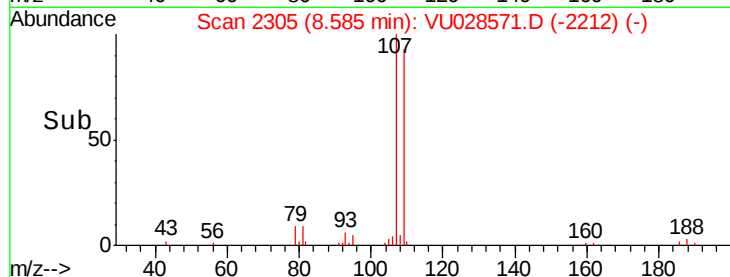
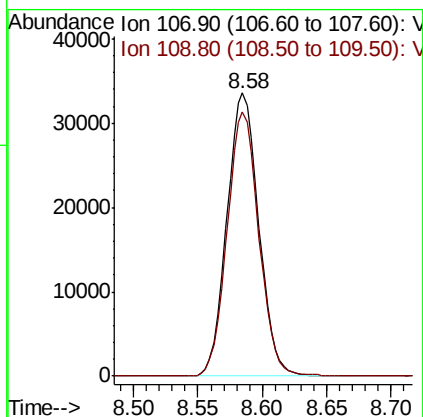
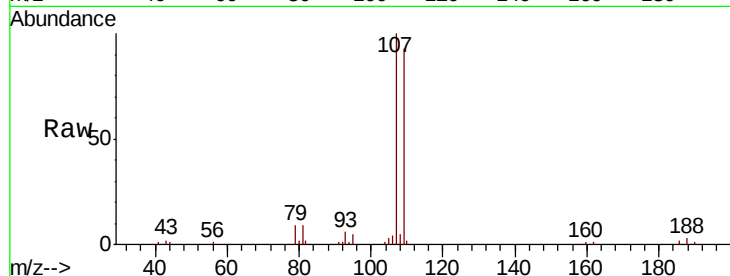
107 100

109 93.1 74.5 111.7

Manual Integrations
APPROVED

MMDadoda

12/11/2018 12:10:15 PM



#62

4-Bromofluorobenzene

Concen: 53.126 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

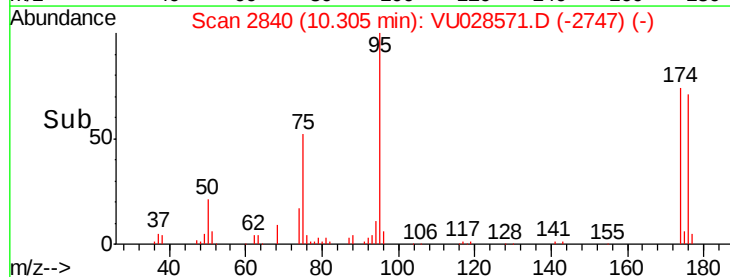
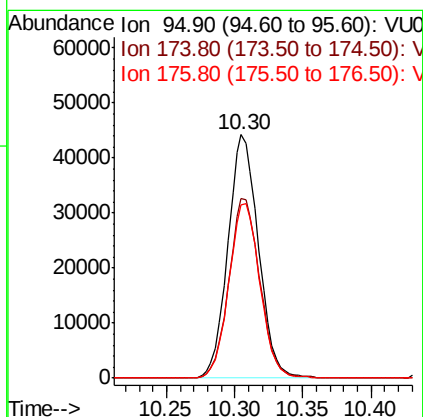
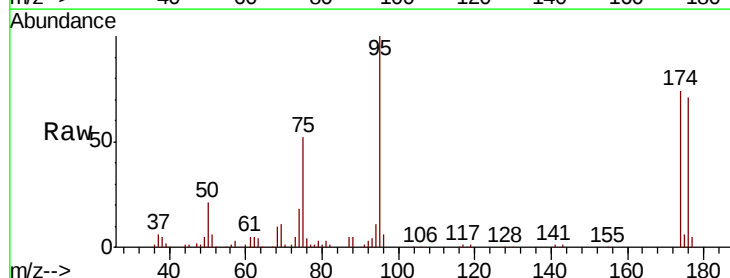
Tgt Ion: 95 Resp: 68753

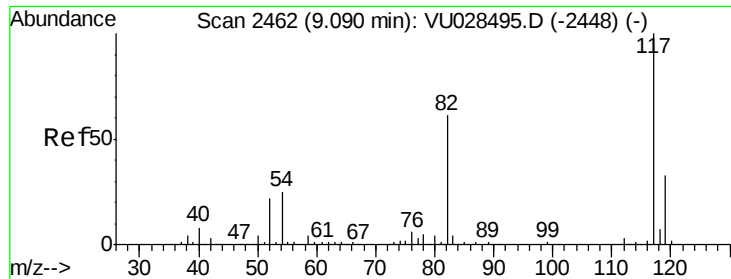
Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.4

176 73.1 0.0 145.2





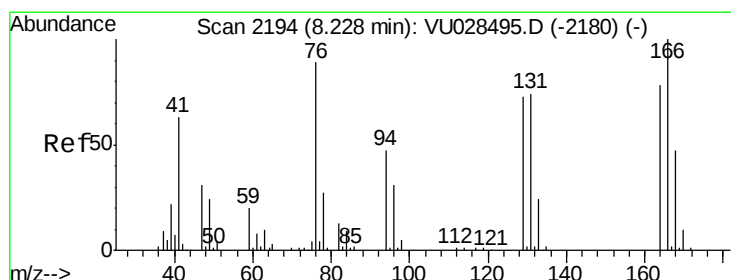
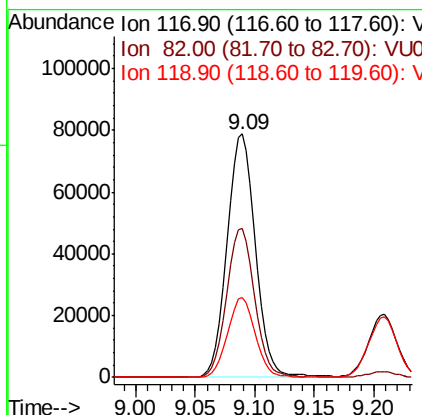
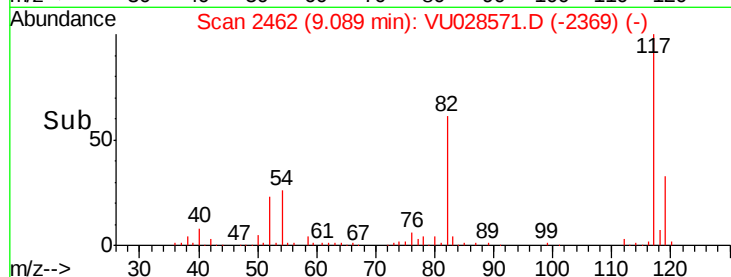
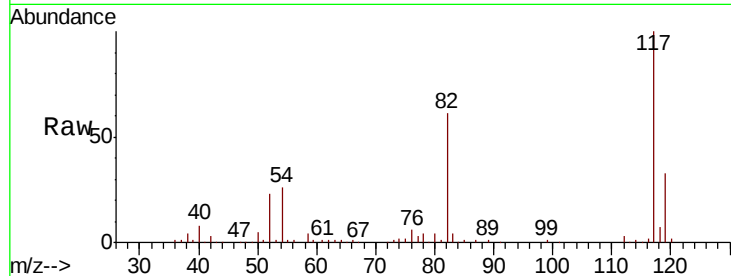
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion:	117	Resp:	130331
Ion Ratio	Lower	Upper	
117	100		
82	61.0	48.9	73.3
119	32.9	26.2	39.4

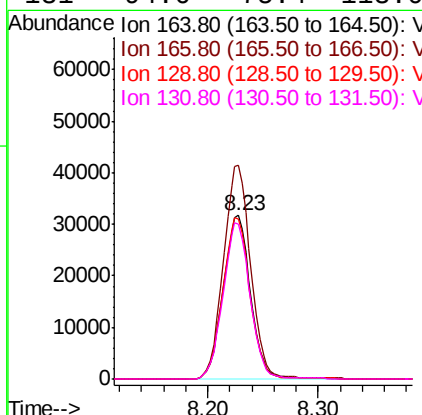
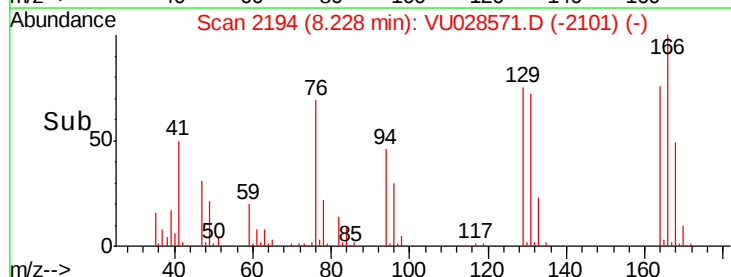
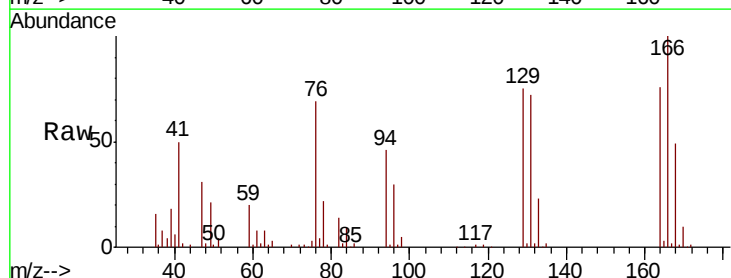
Manual Integrations
APPROVED

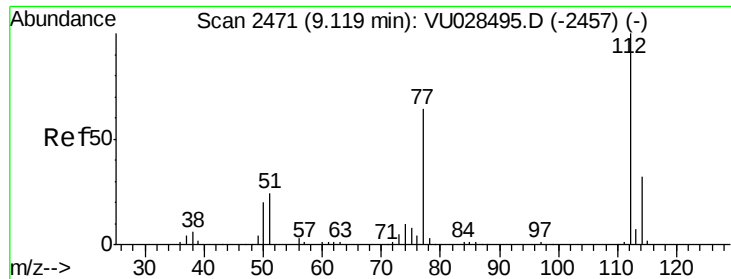
MMDadoda
12/11/2018 12:10:15 PM



#64
Tetrachloroethene
Concen: 62.353 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion:	164	Resp:	54206
Ion Ratio	Lower	Upper	
164	100		
166	130.7	101.9	152.9
129	97.9	74.9	112.3
131	94.6	75.4	113.0





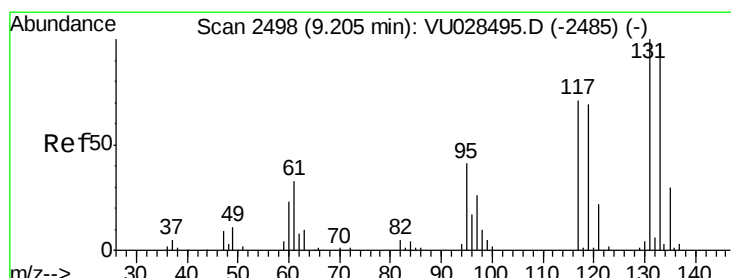
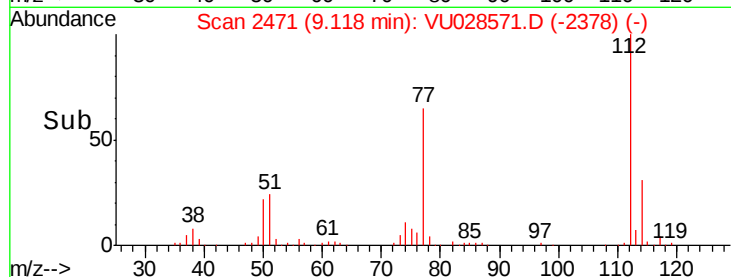
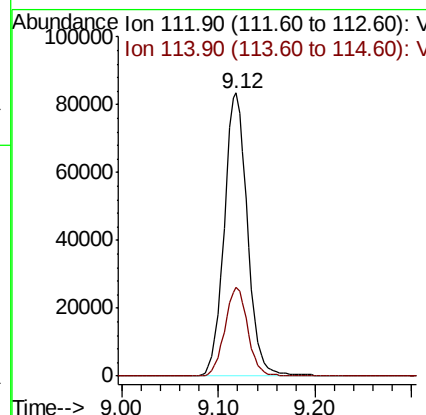
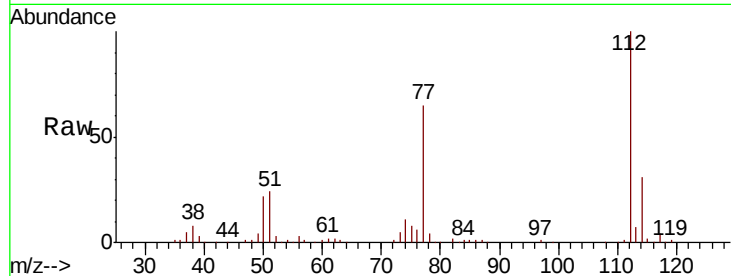
#65
Chlorobenzene
Concen: 50.068 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion:112 Resp: 139050
Ion Ratio Lower Upper
112 100
114 31.2 25.3 37.9

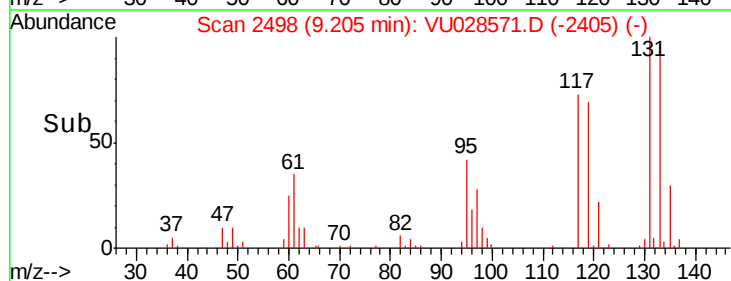
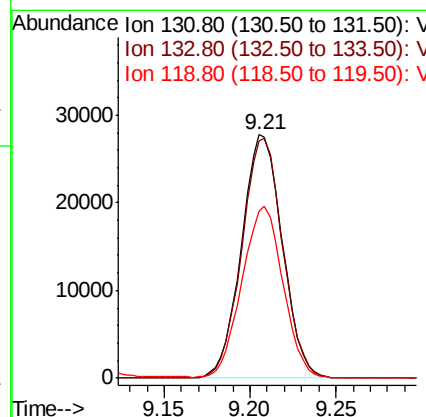
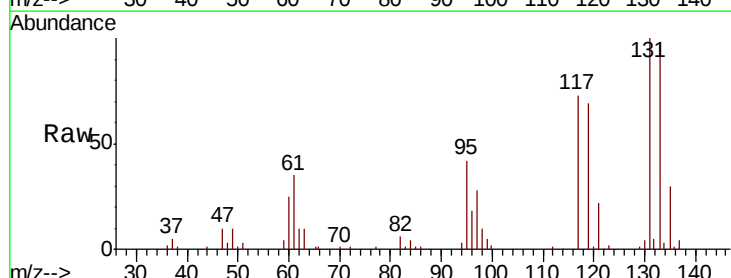
Manual Integrations
APPROVED

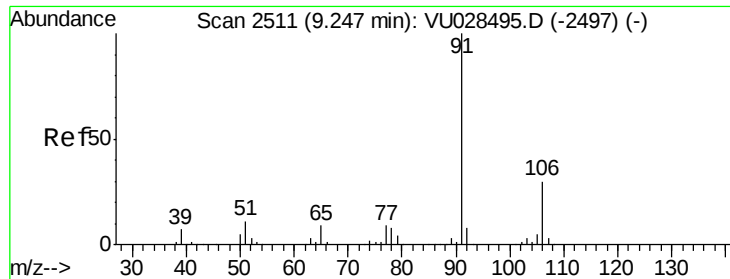
MMDadoda
12/11/2018 12:10:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.629 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion:131 Resp: 45788
Ion Ratio Lower Upper
131 100
133 98.0 48.0 144.0
119 71.1 34.6 103.9





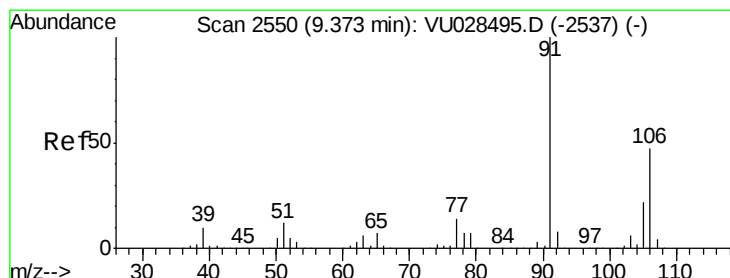
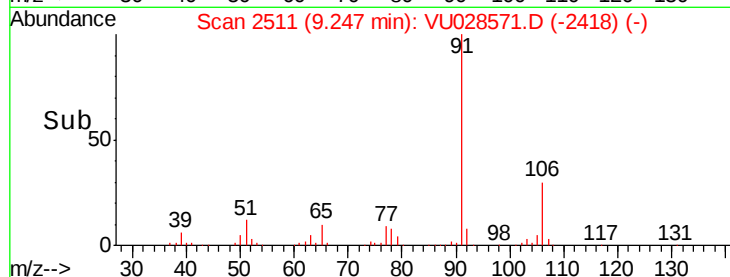
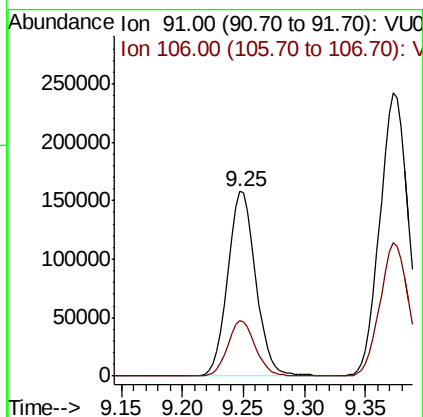
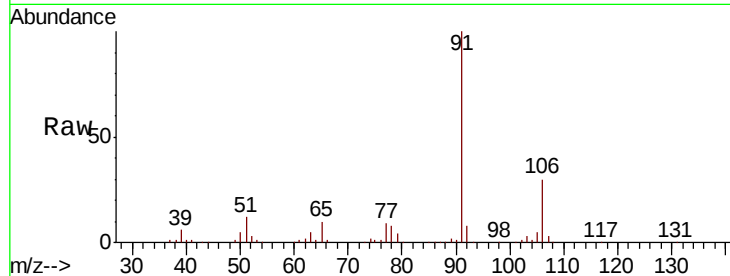
#67
Ethyl Benzene
Concen: 49.942 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion: 91 Resp: 254976
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1

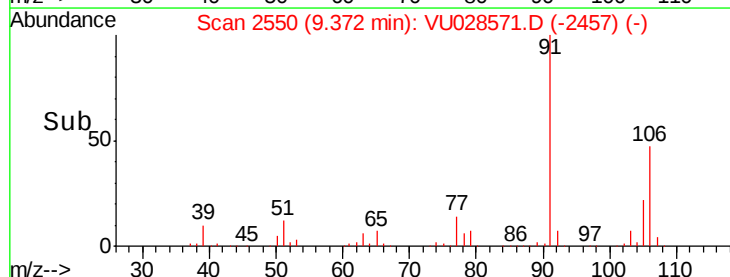
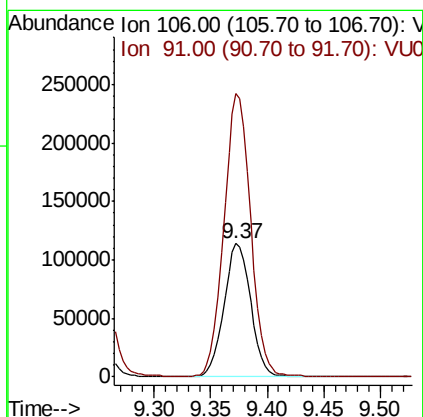
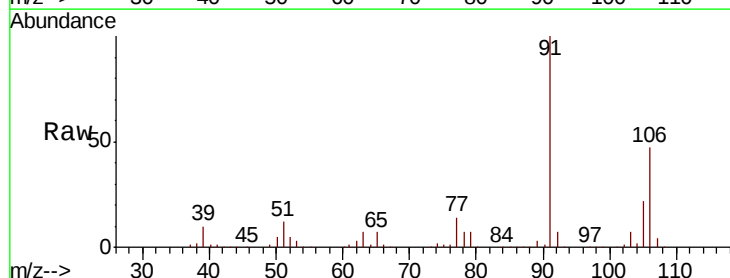
Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:10:15 PM



#68
m/p-Xylenes
Concen: 100.683 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion: 106 Resp: 187042
Ion Ratio Lower Upper
106 100
91 213.2 167.4 251.0





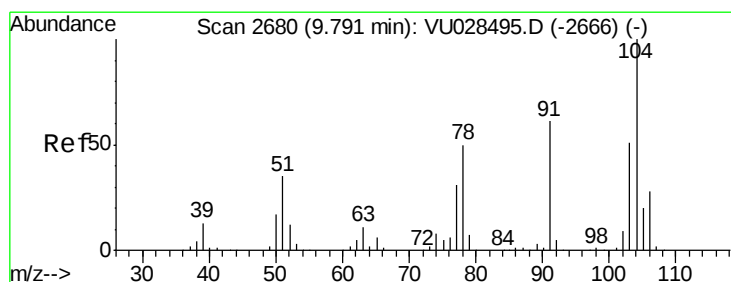
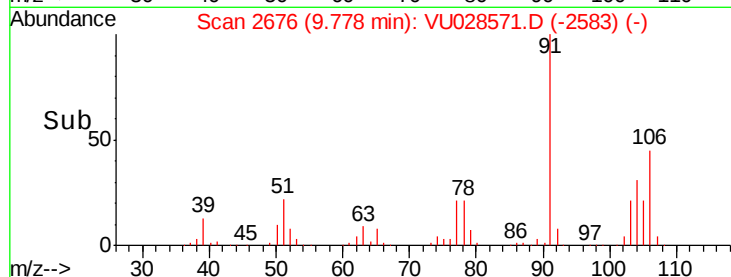
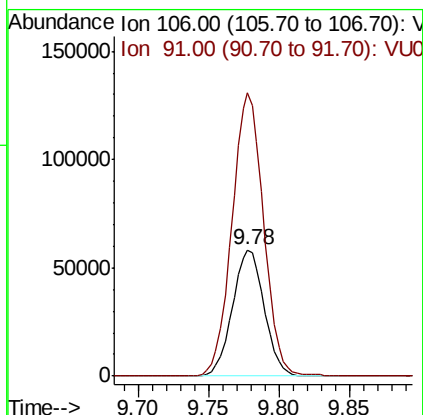
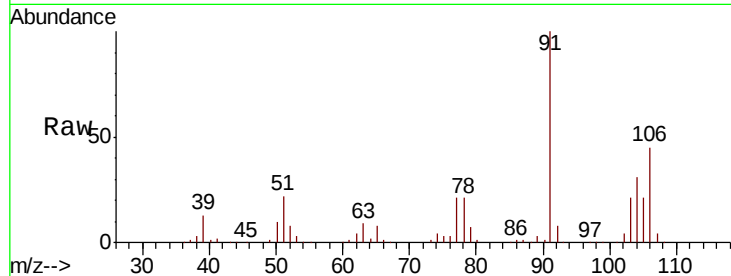
#69
o-Xylene
Concen: 50.965 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion:106 Resp: 92009
Ion Ratio Lower Upper
106 100
91 223.1 111.3 334.0

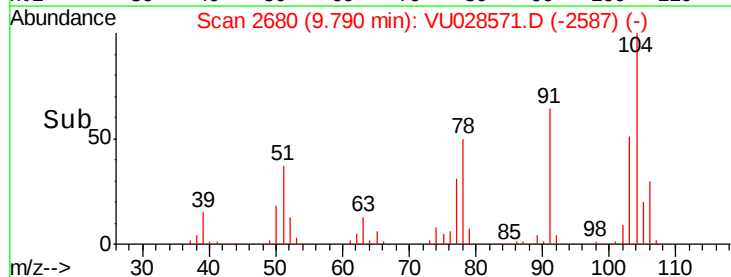
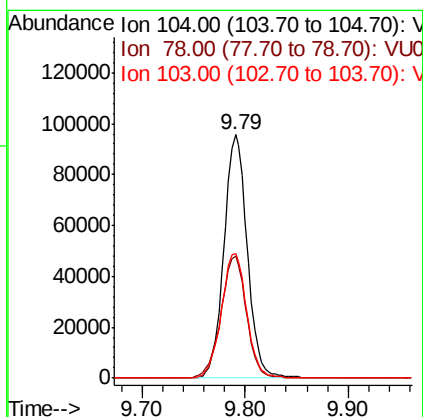
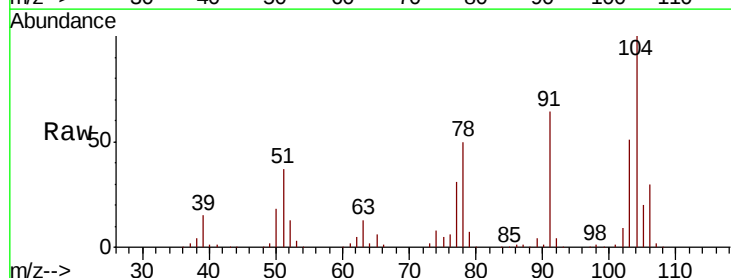
Manual Integrations
APPROVED

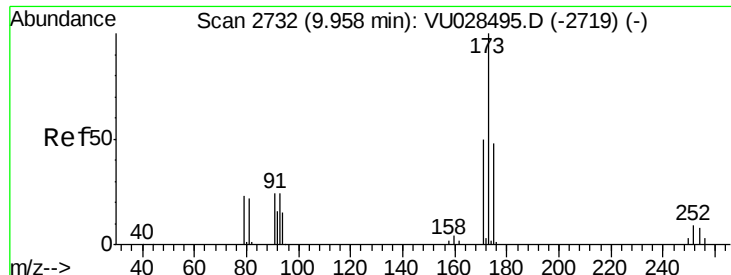
MMDadoda
12/11/2018 12:10:15 PM



#70
Styrene
Concen: 50.493 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion:104 Resp: 150858
Ion Ratio Lower Upper
104 100
78 54.2 43.0 64.6
103 55.7 44.2 66.4





#71

Bromoform

Concen: 52.976 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

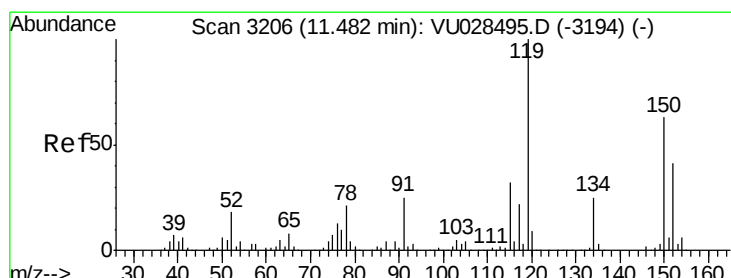
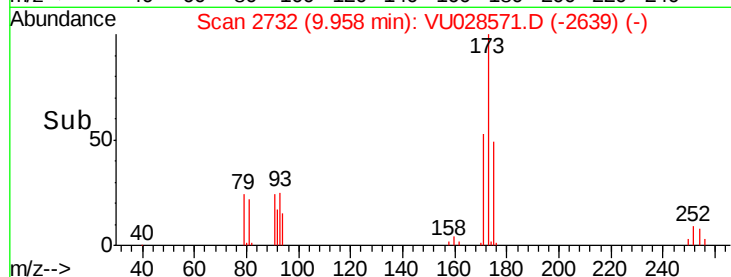
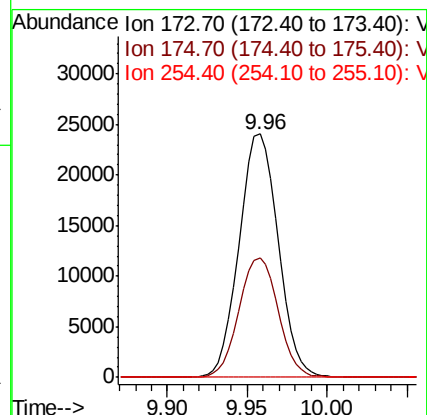
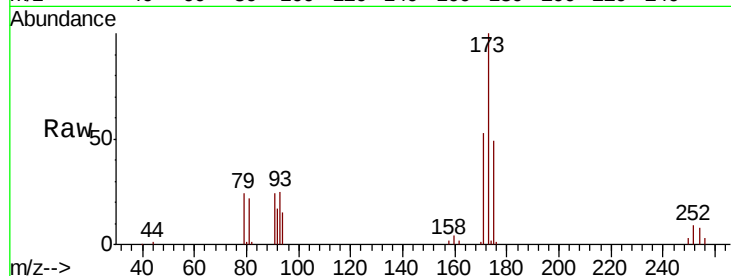
ClientSampleId :

RE-131D1-20181205MS

Tot Ion:	173	Resp:	39967
Ion Ratio	Lower	Upper	
173	100		
175	49.3	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:10:15 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

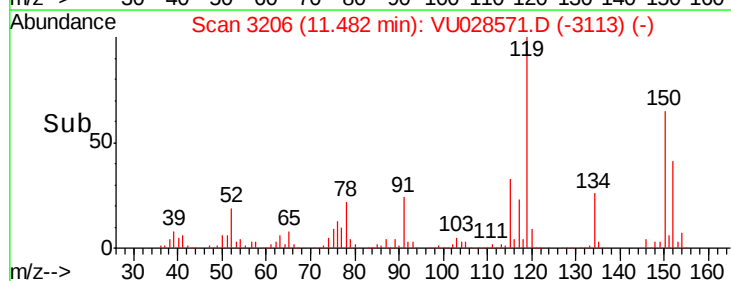
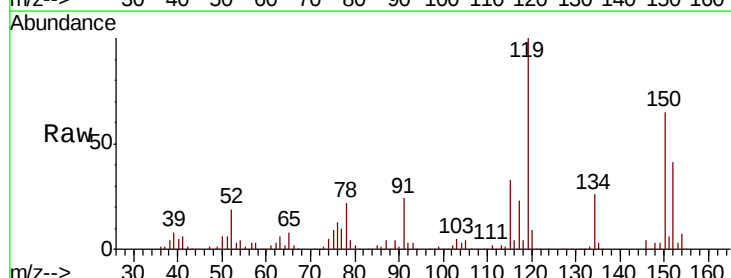
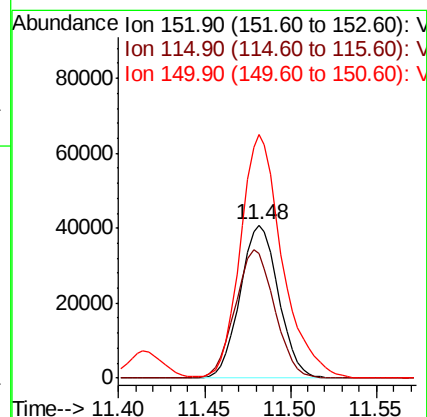
RT: 11.48 min Scan# 3206

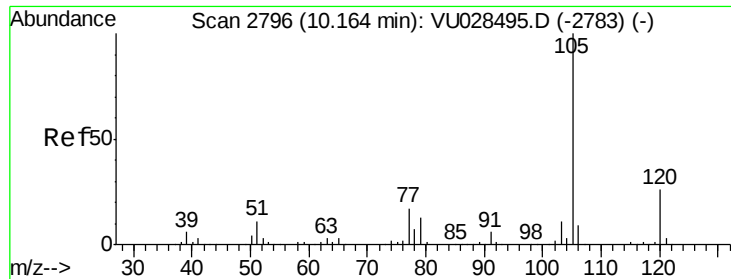
Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Tgt Ion:	152	Resp:	63149
Ion Ratio	Lower	Upper	
152	100		
115	86.0	42.7	128.1
150	173.3	0.0	346.0





#73

Isopropylbenzene

Concen: 49.814 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

Tot Ion: 105 Resp: 241380

Ion Ratio Lower Upper

105 100

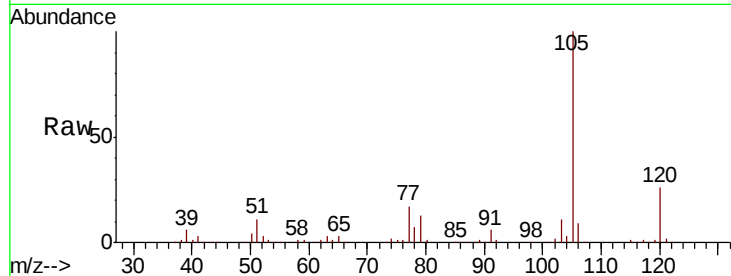
120 25.9 12.9 38.6

Manual Integrations

APPROVED

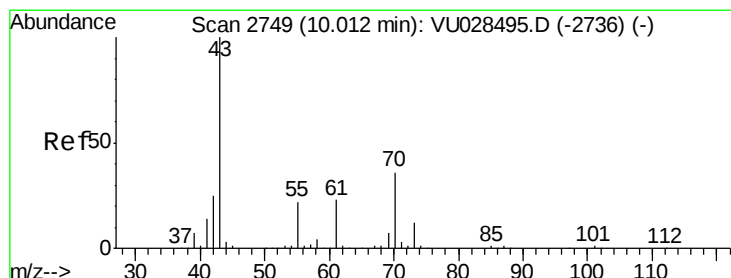
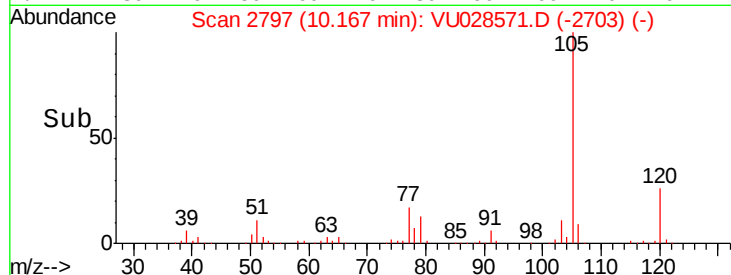
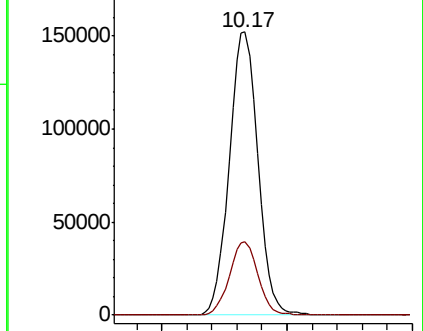
MMDadoda

12/11/2018 12:10:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.454 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Tgt Ion: 43 Resp: 141023

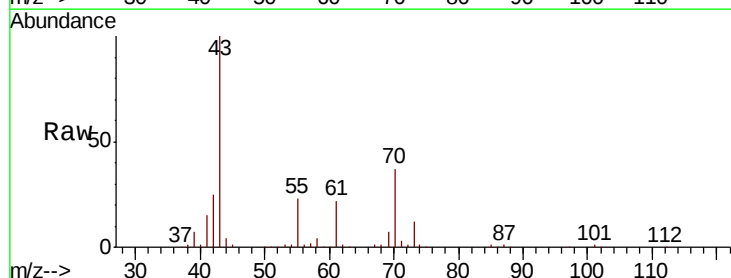
Ion Ratio Lower Upper

43 100

70 36.0 29.3 43.9

55 23.1 18.0 27.0

61 22.6 18.3 27.5

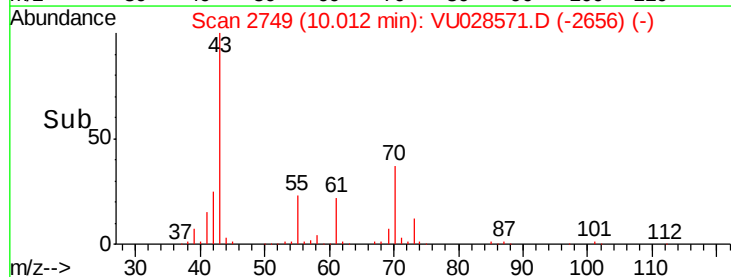
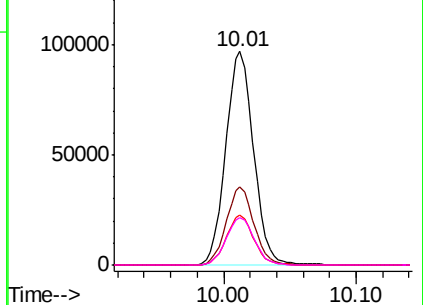


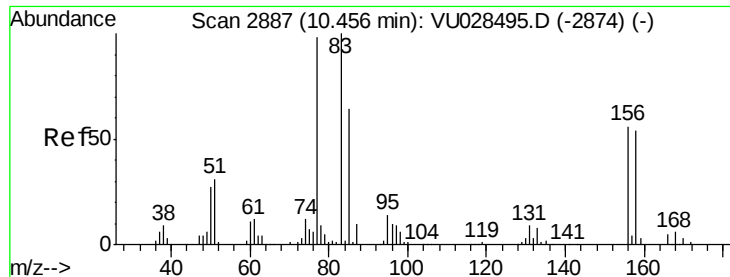
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





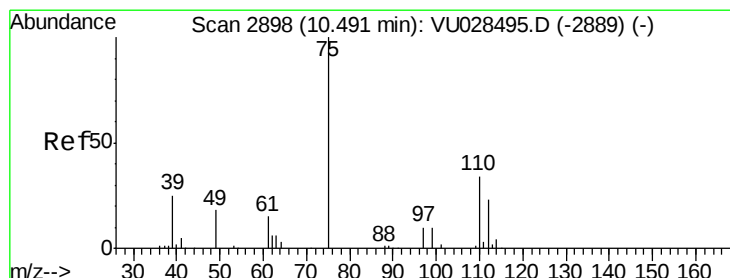
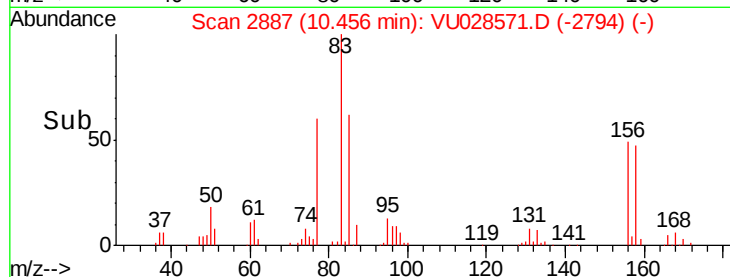
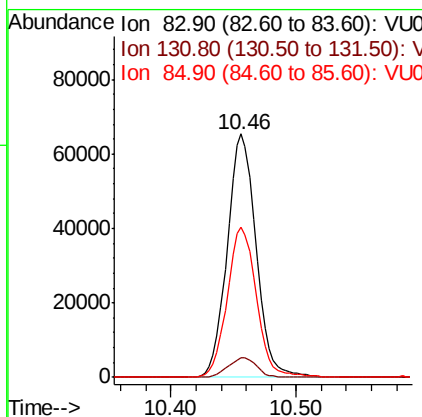
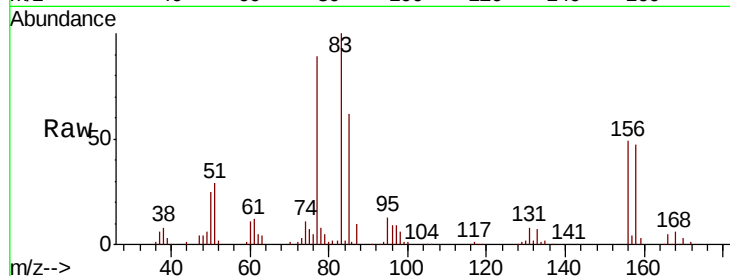
#75
 1,1,2,2-Tetrachloroethane
 Concen: 56.009 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	7.9	4.2	12.4	
85	62.8	31.8	95.4	

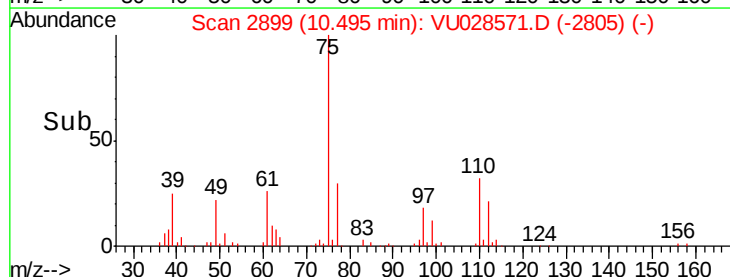
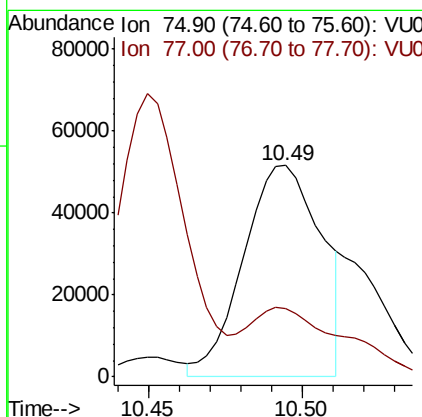
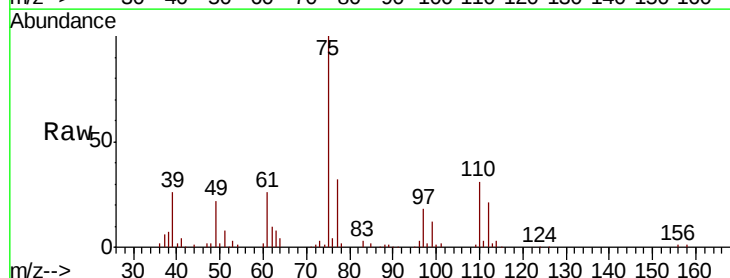
Manual Integrations
 APPROVED

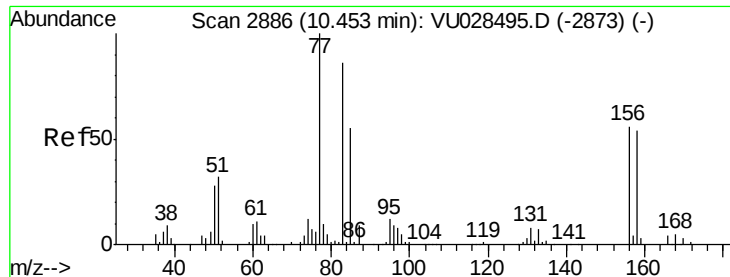
MMDadoda
 12/11/2018 12:10:15 PM



#76
 1,2,3-Trichloropropane
 Concen: 56.178 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	40.3	20.8	62.4	





#77

Bromobenzene

Concen: 50.247 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

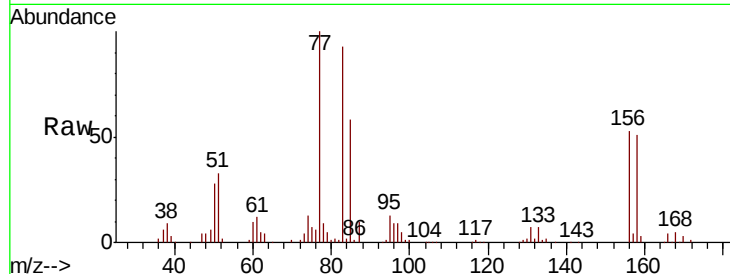
ClientSampleId :

RE-131D1-20181205MS

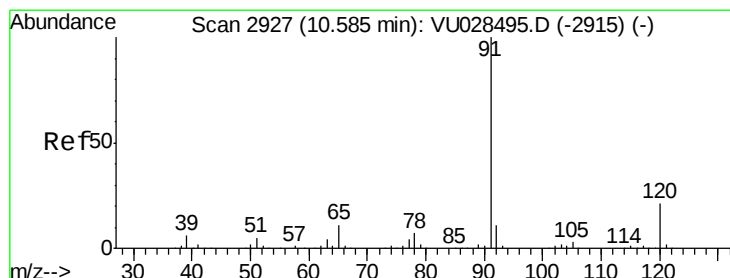
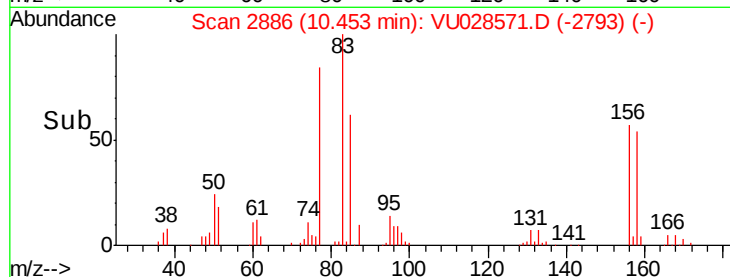
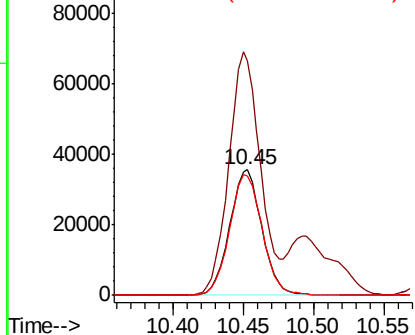
Tot Ion:	156	Resp:	56944
Ion	Ratio	Lower	Upper
156	100		
77	189.3	92.4	277.2
158	97.5	48.4	145.3

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:10:15 PM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VU0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.510 ug/l

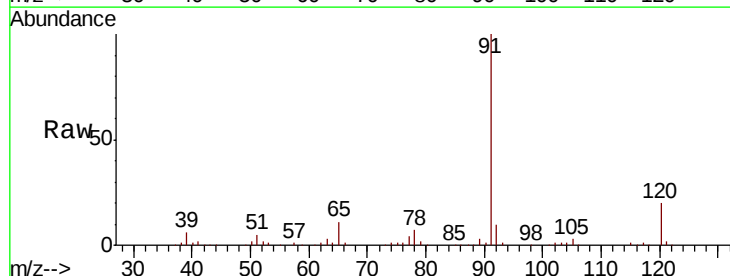
RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

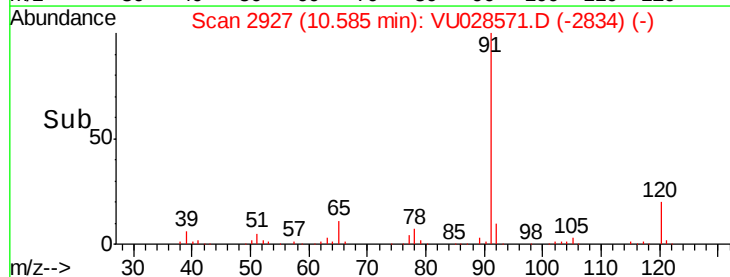
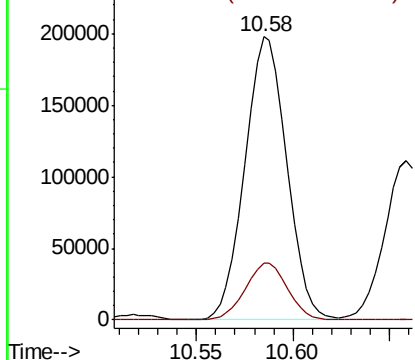
Lab File: VU028571.D

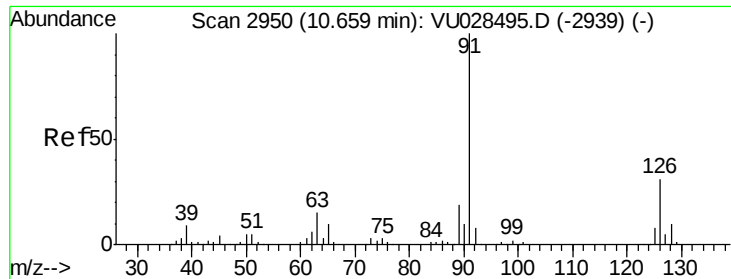
Acq: 10 Dec 2018 23:14

Tgt Ion:	91	Resp:	298110
Ion	Ratio	Lower	Upper
91	100		
120	20.2	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 120.00 (119.70 to 120.70): V





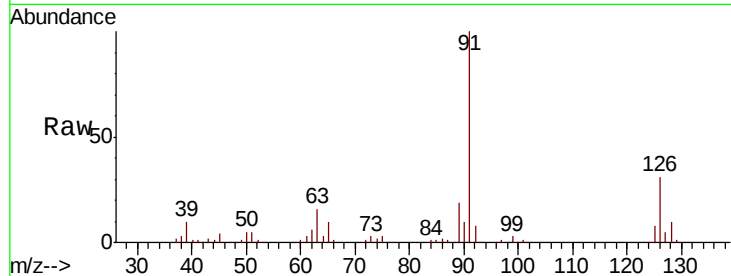
#79
 2-Chlorotoluene
 Concen: 50.614 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

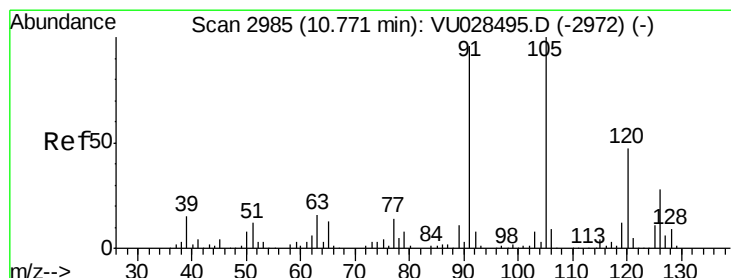
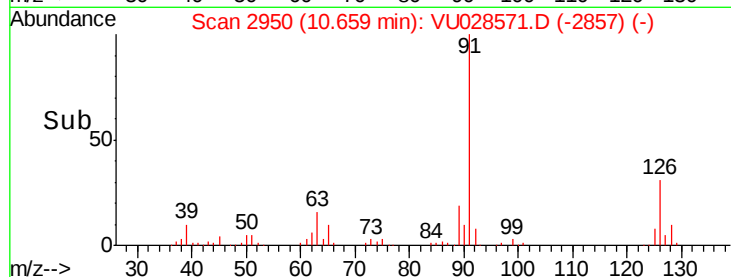
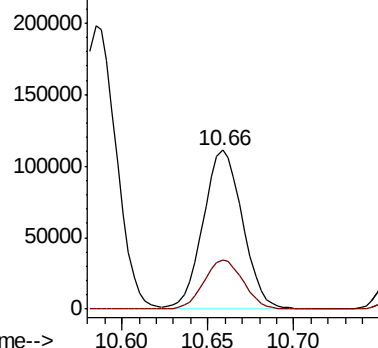
Tot Ion: 91 Resp: 175545
 Ion Ratio Lower Upper
 91 100
 126 31.2 15.6 46.8

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:10:15 PM

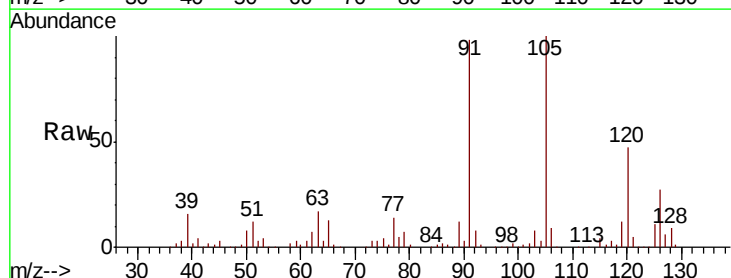


Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)
 Ion 125.90 (125.60 to 126.60): VU028495.D (-2939) (-)

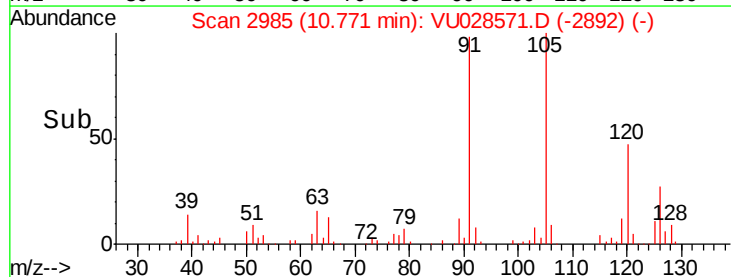
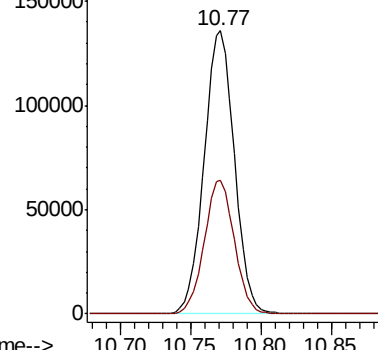


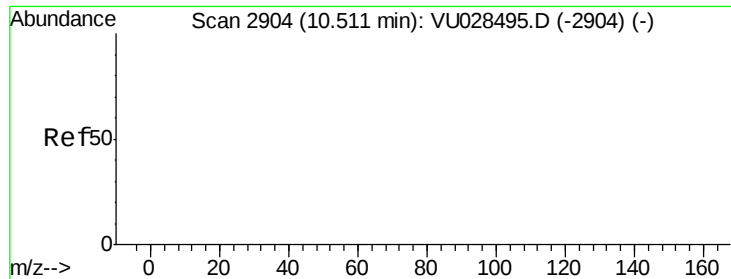
#80
 1,3,5-Trimethylbenzene
 Concen: 50.852 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion: 105 Resp: 203972
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)
 Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.749 ug/l

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

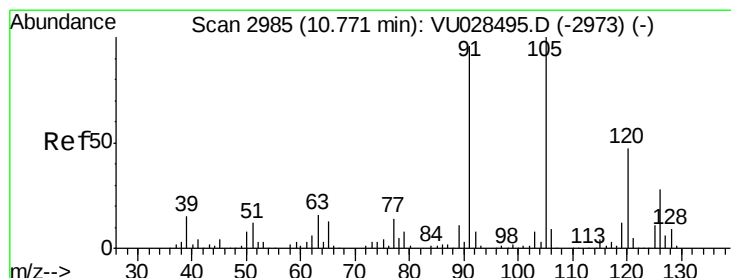
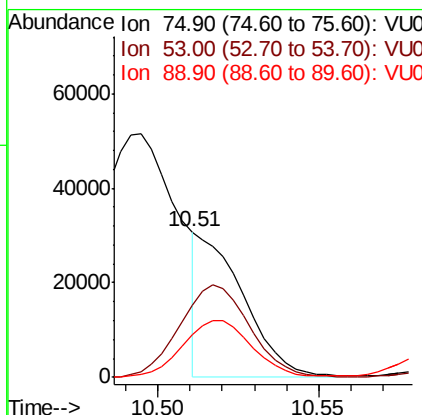
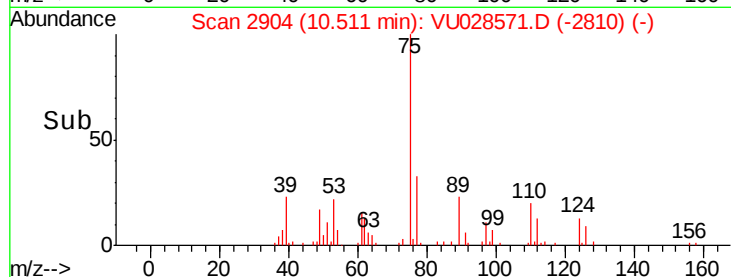
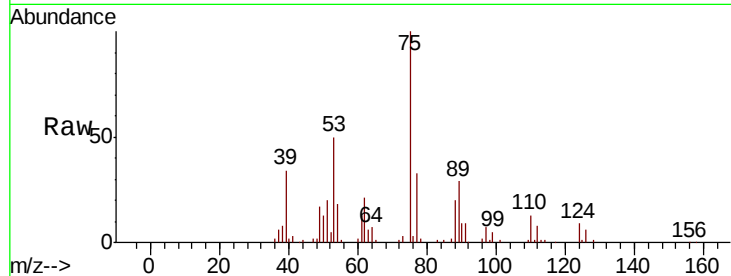
Instrument :
MSVOA_U

ClientSampleId :
RE-131D1-20181205MS

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

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:10:15 PM



#82

4-Chlorotoluene

Concen: 49.519 ug/l

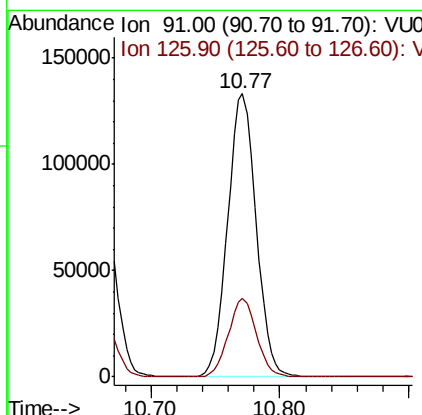
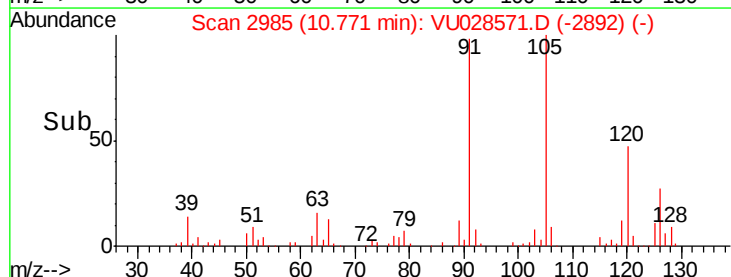
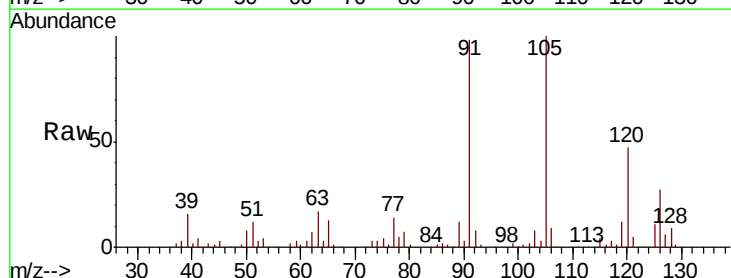
RT: 10.77 min Scan# 2985

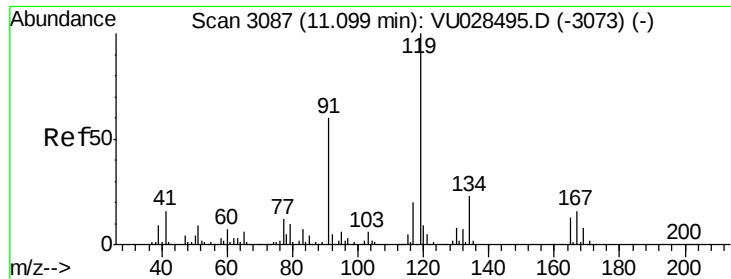
Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.1	42.3





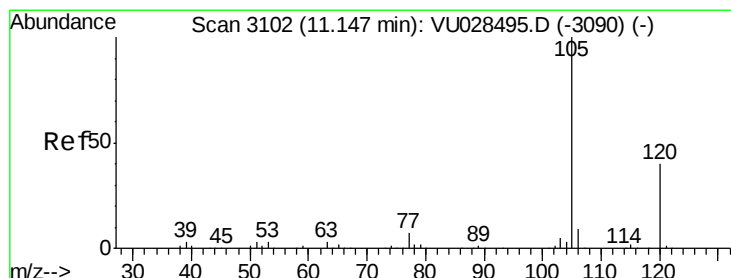
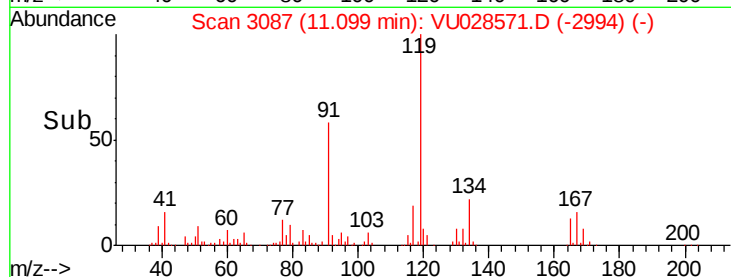
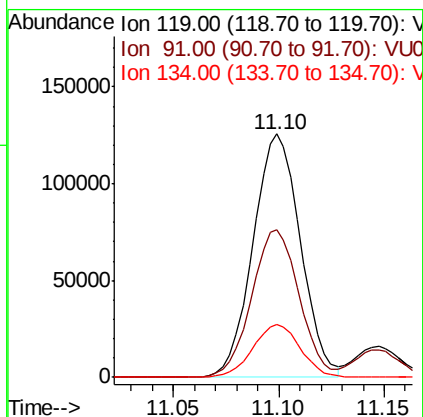
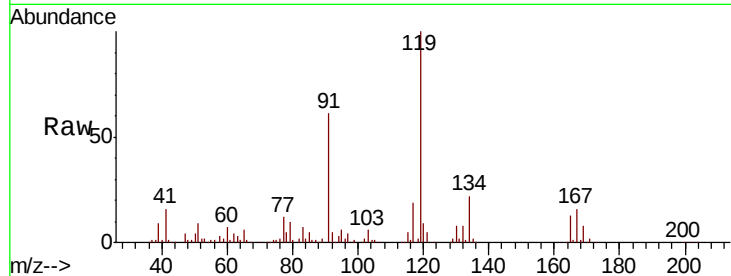
#83
tert-Butylbenzene
Concen: 50.813 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196448		
91	61.0	30.3	91.0	
134	21.8	11.2	33.5	

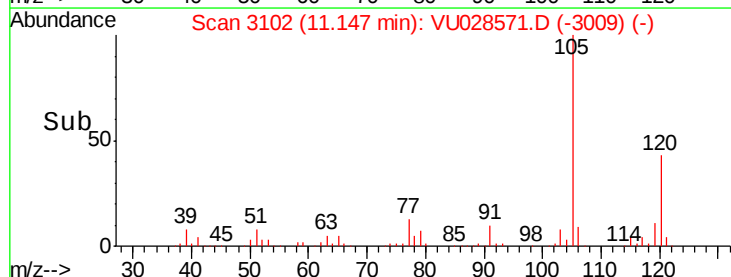
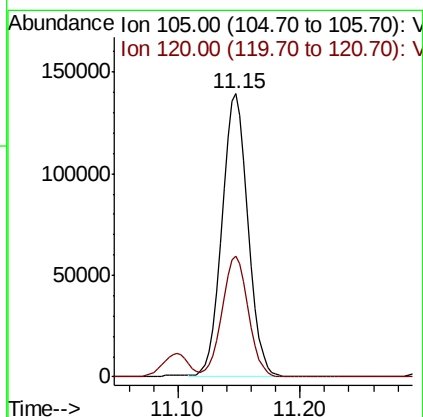
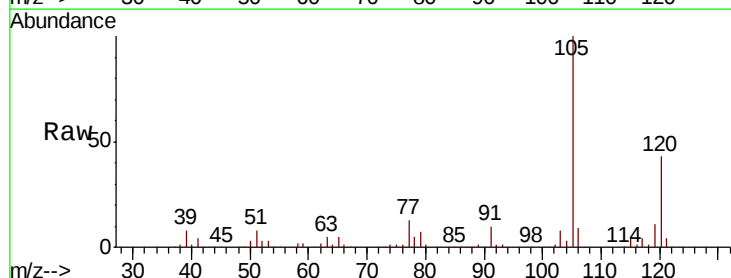
Manual Integrations
APPROVED

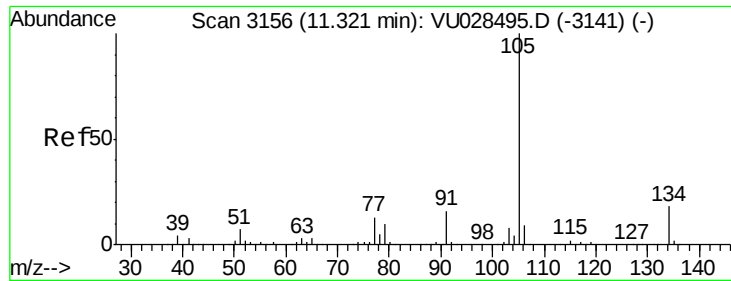
MMDadoda
12/11/2018 12:10:15 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.620 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	209250		
120	43.1	21.8	65.4	





#85

sec-Butylbenzene

Concen: 49.241 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

Instrument :

MSVOA_U

ClientSampleId :

RE-131D1-20181205MS

Tot Ion:105 Resp: 244568

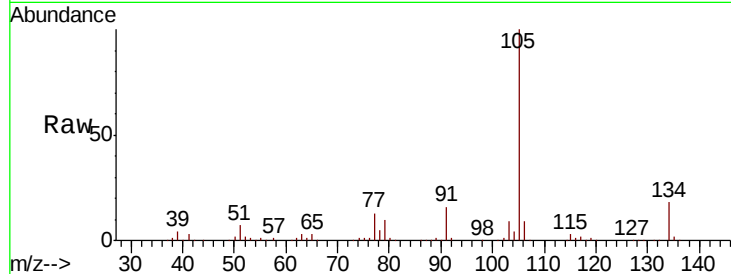
Ion Ratio Lower Upper

105 100

134 18.4 9.2 27.6

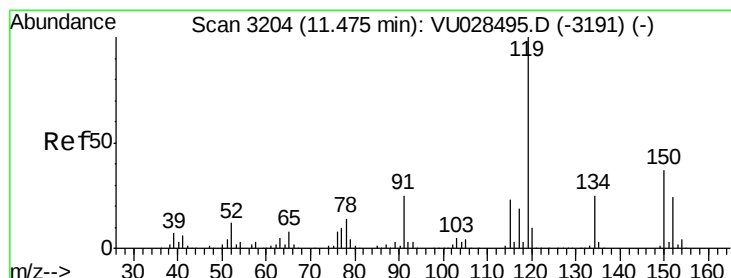
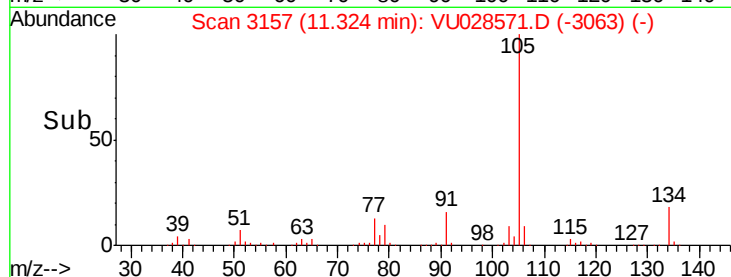
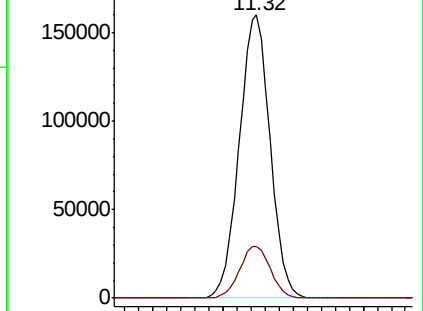
Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:10:15 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.193 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028571.D

Acq: 10 Dec 2018 23:14

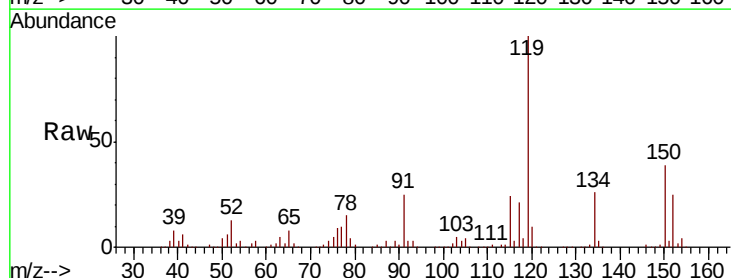
Tgt Ion:119 Resp: 203330

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

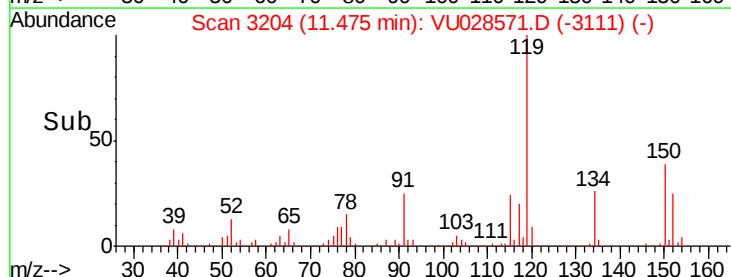
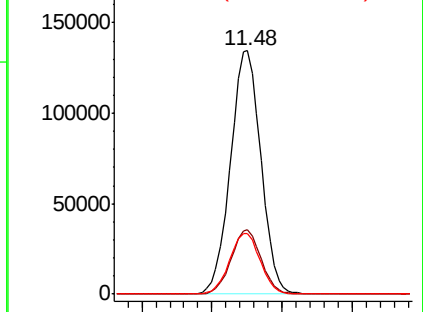
91 25.0 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





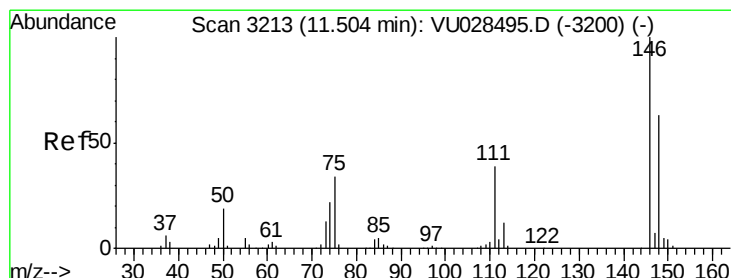
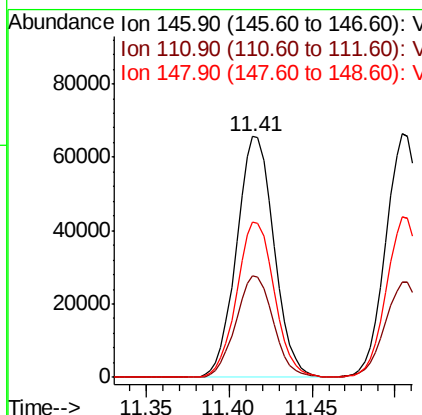
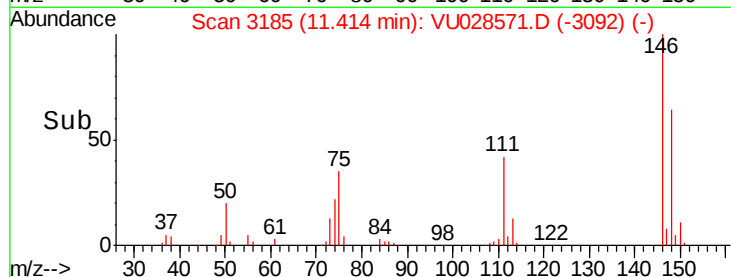
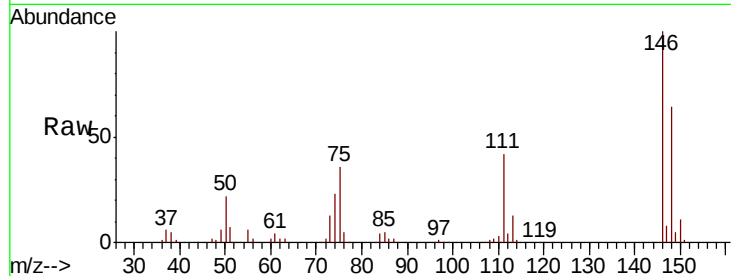
#87
 1,3-Dichlorobenzene
 Concen: 48.199 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.7	62.1
148	64.6	31.9	95.7

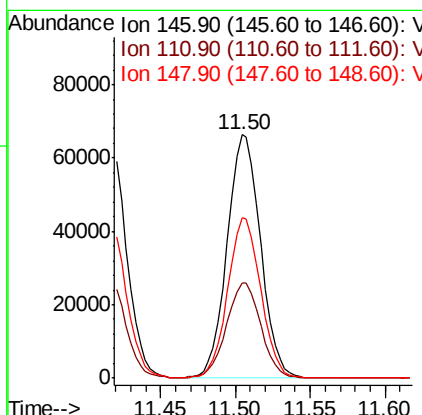
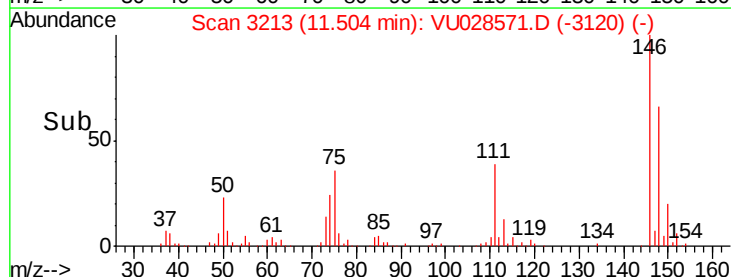
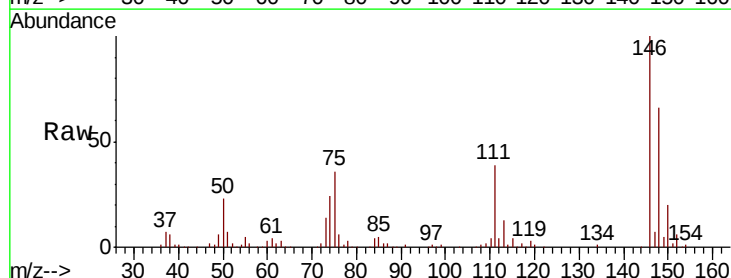
Manual Integrations
 APPROVED

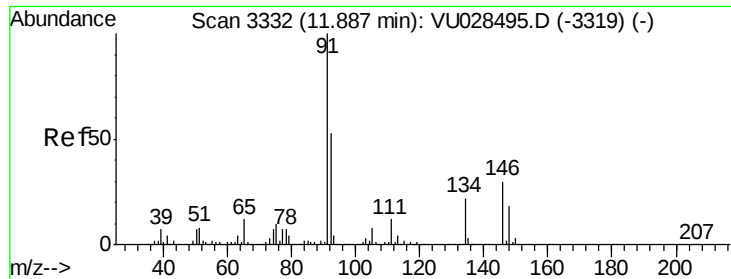
MMDadoda
 12/11/2018 12:10:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.698 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	64.8	31.6	95.0





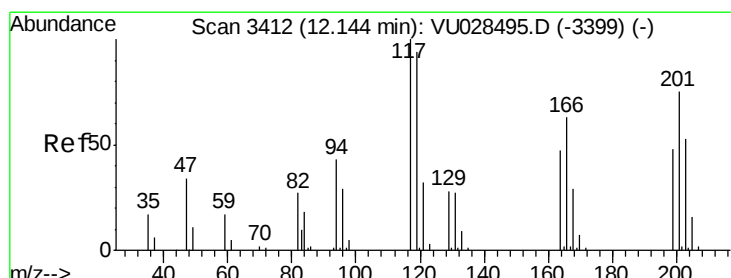
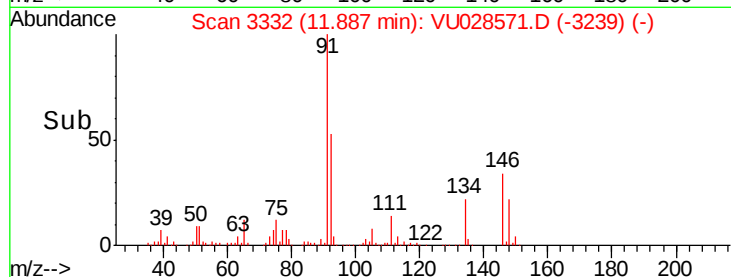
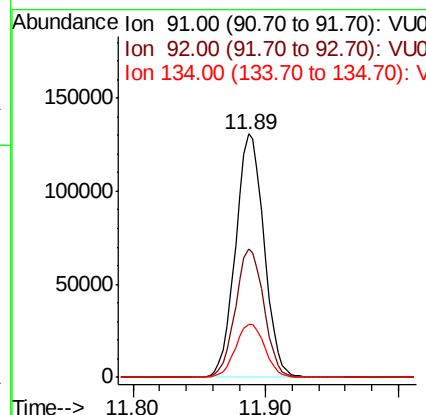
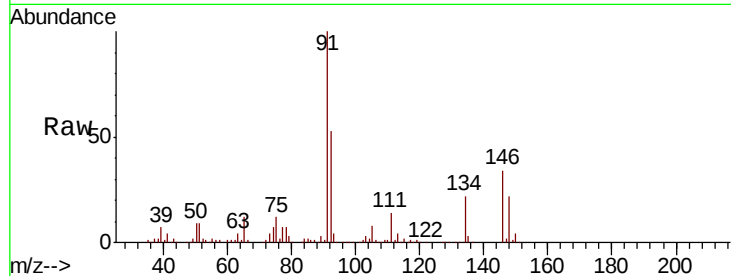
#89
n-Butylbenzene
Concen: 45.680 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.9
134	22.4	11.3	33.8

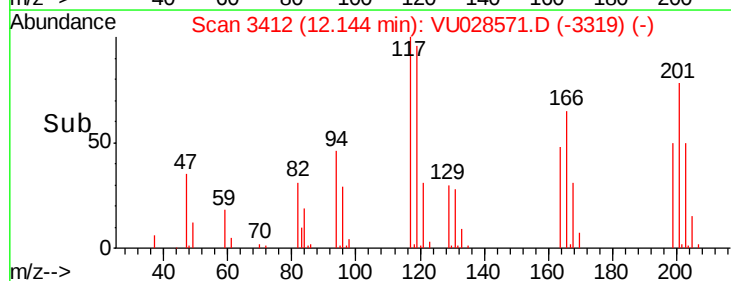
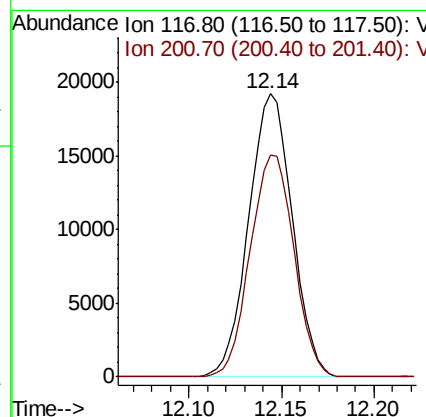
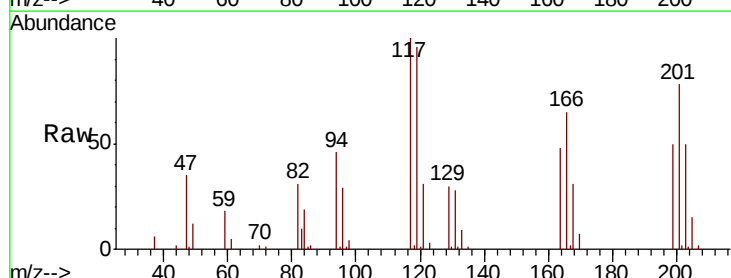
Manual Integrations
APPROVED

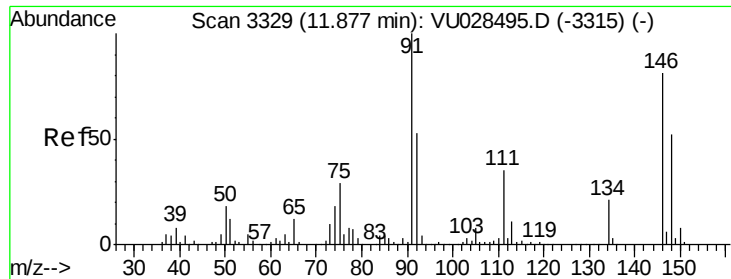
MMDadoda
12/11/2018 12:10:15 PM



#90
Hexachloroethane
Concen: 49.128 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	38.1	114.5





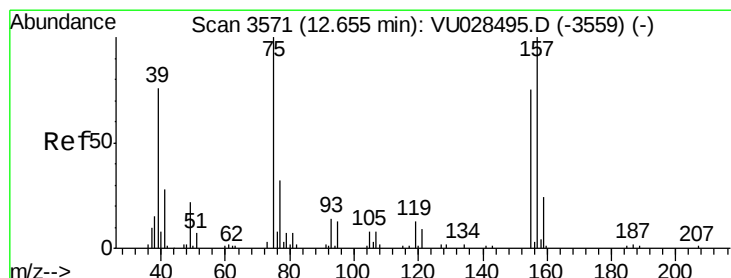
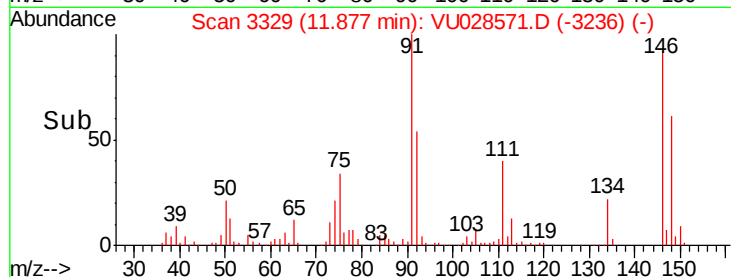
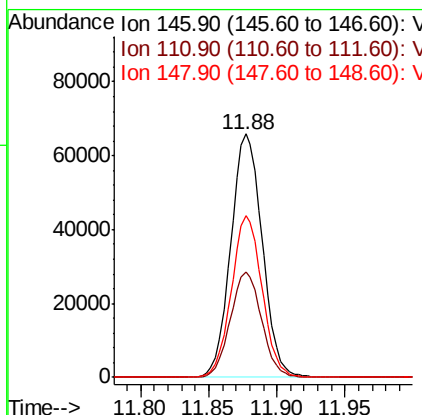
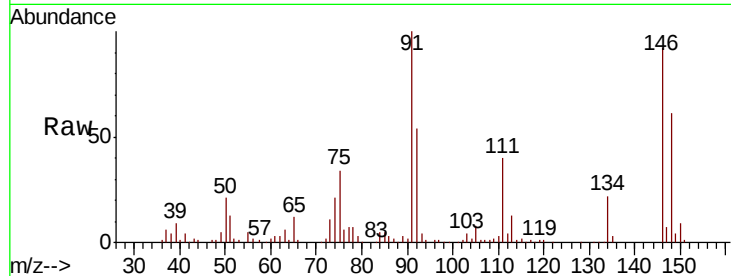
#91
 1,2-Dichlorobenzene
 Concen: 49.218 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Instrument :
 MSVOA_U
 ClientSampleId :
 RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.1	63.4
148	64.8	31.4	94.2

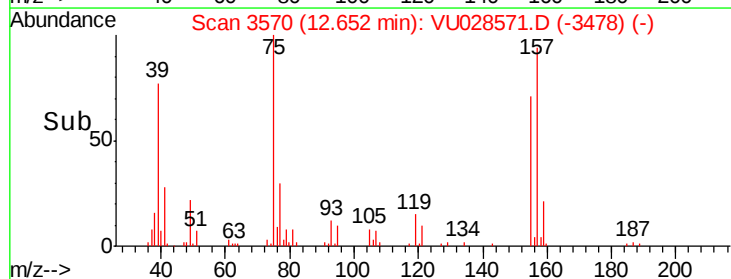
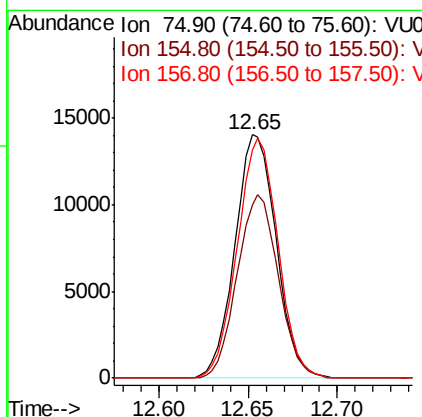
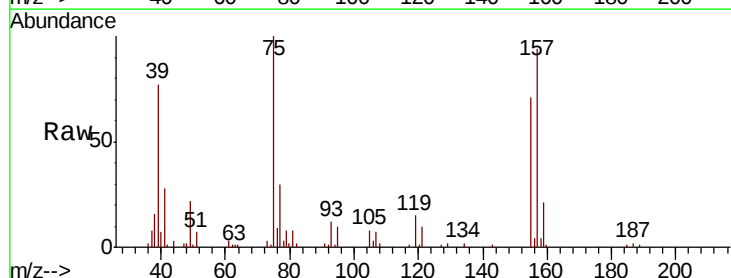
Manual Integrations
 APPROVED

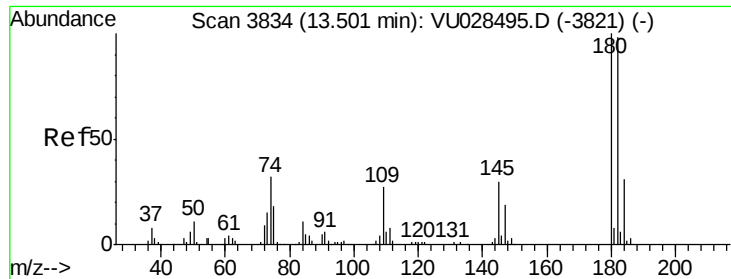
MMDadoda
 12/11/2018 12:10:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.127 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU028571.D
 Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	38.1	114.5
157	96.9	48.7	146.1





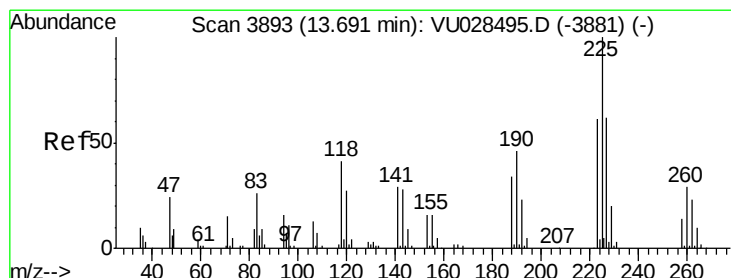
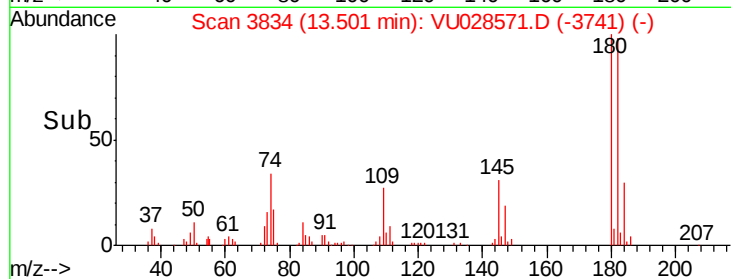
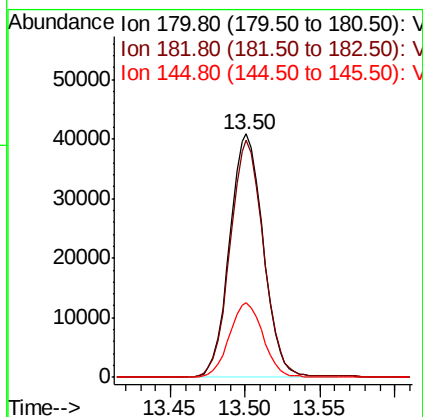
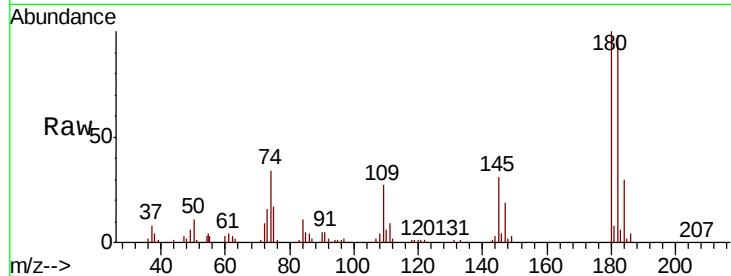
#93
1,2,4-Trichlorobenzene
Concen: 43.650 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.9	143.8
145	30.4	15.0	45.1

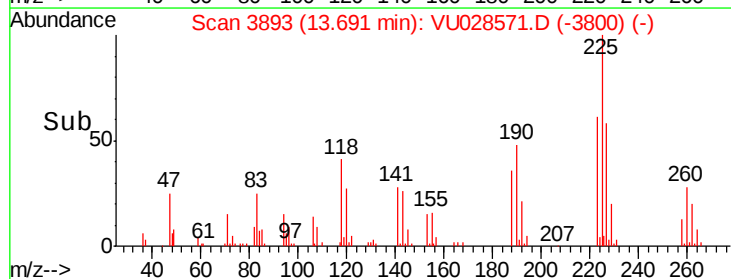
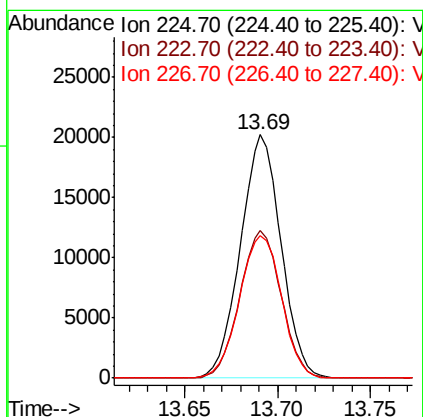
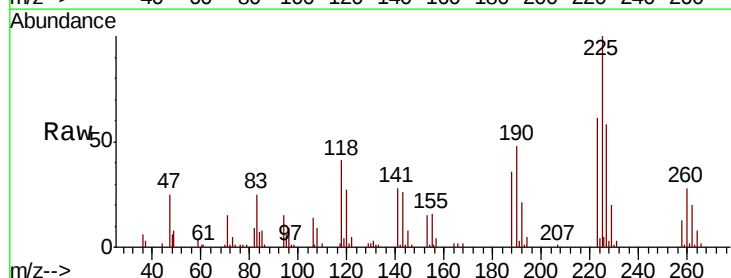
Manual Integrations
APPROVED

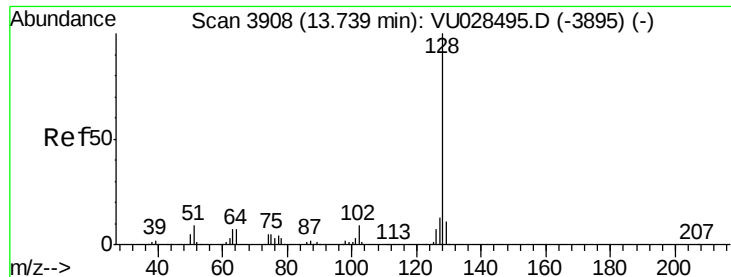
MMDadoda
12/11/2018 12:10:15 PM



#94
Hexachlorobutadiene
Concen: 43.978 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.4	91.2
227	60.8	30.7	92.1





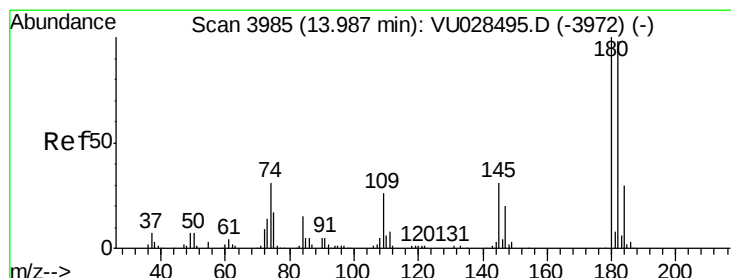
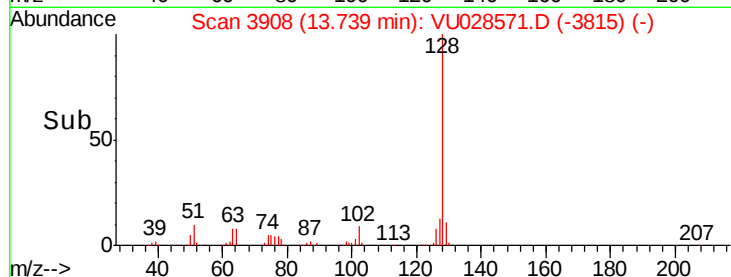
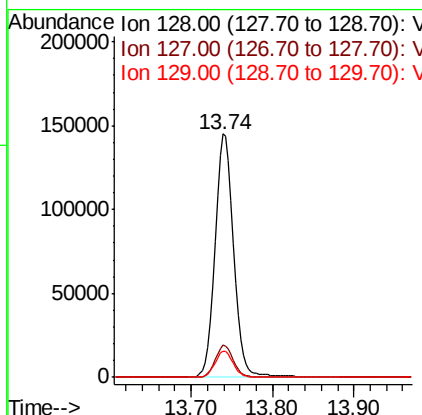
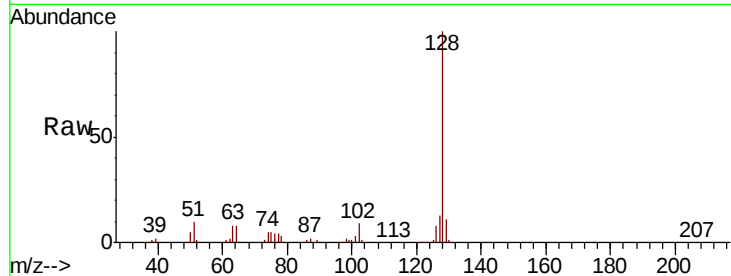
#95
Naphthalene
Concen: 45.797 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Instrument :
MSVOA_U
ClientSampleId :
RE-131D1-20181205MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/11/2018 12:10:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.404 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028571.D
Acq: 10 Dec 2018 23:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.2	144.6
145	32.1	15.8	47.3

