

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052643.D
 Acq On : 3 Dec 2018 20:30
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 2:57:08 PM

Quant Time: Dec 04 01:34:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	964423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1502211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1351898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	631108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	518418	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	7.59	113	472412	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.09	98	1787313	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	623762	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	411838	45.607	ug/l	99
3) Chloromethane	2.06	50	532991	44.714	ug/l	99
4) Vinyl Chloride	2.19	62	558778	45.634	ug/l	99
5) Bromomethane	2.57	94	323983	42.406	ug/l	99
6) Chloroethane	2.71	64	342897	46.231	ug/l	100
7) Trichlorofluoromethane	3.02	101	725976	48.267	ug/l	99
8) Diethyl Ether	3.41	74	277421	49.946	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	454966	48.476	ug/l	99
10) Methyl Iodide	3.96	142	700652	56.051	ug/l	99
11) Tert butyl alcohol	4.78	59	142757	271.556	ug/l	99
12) 1,1-Dichloroethene	3.74	96	436736	48.343	ug/l	99
13) Acrolein	3.61	56	164047	179.547	ug/l	99
14) Allyl chloride	4.33	41	752997	48.361	ug/l	99
15) Acrylonitrile	4.99	53	867231	260.606	ug/l	100
16) Acetone	3.82	43	598758	216.182	ug/l	100
17) Carbon Disulfide	4.06	76	1215988	42.771	ug/l	100
18) Methyl Acetate	4.33	43	426189	53.644	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1261546	52.485	ug/l	100
20) Methylene Chloride	4.55	84	509985	47.053	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	467693	48.473	ug/l	94
22) Diisopropyl ether	5.95	45	1614096	49.352	ug/l	99
23) Vinyl Acetate	5.90	43	5284301	259.403	ug/l	99
24) 1,1-Dichloroethane	5.85	63	911688	48.821	ug/l	99
25) 2-Butanone	6.83	43	960826	244.750	ug/l	98
26) 2,2-Dichloropropane	6.83	77	623195	48.215	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	549472	48.888	ug/l	98
28) Bromochloromethane	7.20	49	423726	49.679	ug/l	95
29) Tetrahydrofuran	7.21	42	633529	250.200	ug/l	98
30) Chloroform	7.37	83	903268	48.482	ug/l	100
31) Cyclohexane	7.66	56	830143	45.899	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	745325	50.491	ug/l	99
36) 1,1-Dichloropropene	7.79	75	679105	47.872	ug/l	98
37) Ethyl Acetate	6.93	43	441024	50.941	ug/l	99
38) Carbon Tetrachloride	7.78	117	646327	50.329	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	810426	47.002	ug/l	98
40) Benzene	8.04	78	2074450	49.069	ug/l	99
41) Methacrylonitrile	7.17	41	268537	56.736	ug/l	94
42) 1,2-Dichloroethane	8.13	62	644668	50.362	ug/l	99
43) Isopropyl Acetate	8.17	43	821614	56.079	ug/l #	87
44) Trichloroethene	8.84	130	544344	50.267	ug/l	99
45) 1,2-Dichloropropane	9.12	63	557034	49.560	ug/l	99
46) Dibromomethane	9.21	93	320937	51.580	ug/l	98
47) Bromodichloromethane	9.40	83	691392	51.108	ug/l	99
48) Methyl methacrylate	9.20	41	403913	52.872	ug/l	98
49) 1,4-Dioxane	9.20	88	92573	1167.600	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2219338	269.983	ug/l	99
52) Toluene	10.16	92	1276314	50.812	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	696117	53.489	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	817013	52.387	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	471123	53.322	ug/l	99
56) Ethyl methacrylate	10.43	69	625119	50.900	ug/l	98
57) 1,3-Dichloropropane	10.71	76	802702	51.452	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1700971	265.312	ug/l	99
59) 2-Hexanone	10.75	43	1468861	266.240	ug/l	98
60) Dibromochloromethane	10.90	129	516209	53.793	ug/l	100
61) 1,2-Dibromoethane	11.01	107	468864	53.429	ug/l	100
64) Tetrachloroethene	10.63	164	532550	50.808	ug/l	97
65) Chlorobenzene	11.43	112	1413548	50.708	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	501330	51.723	ug/l	99
67) Ethyl Benzene	11.51	91	2475947	50.720	ug/l	100
68) m/p-Xylenes	11.62	106	1865923	102.676	ug/l	100
69) o-Xylene	11.95	106	910601	51.600	ug/l	100
70) Styrene	11.97	104	1498492	53.312	ug/l	99
71) Bromoform	12.13	173	356677	55.577	ug/l #	100
73) Isopropylbenzene	12.25	105	2448759	49.456	ug/l	100
74) N-amyl acetate	12.07	43	687739	54.978	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	573811	50.944	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	486765m	50.017	ug/l	
77) Bromobenzene	12.53	156	612186	50.021	ug/l	99
78) n-propylbenzene	12.59	91	2782889	49.473	ug/l	100
79) 2-Chlorotoluene	12.68	91	1650075	49.260	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1980840	50.161	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	154619	53.057	ug/l	99
82) 4-Chlorotoluene	12.77	91	1646946	48.784	ug/l	99
83) tert-Butylbenzene	12.99	119	1742595	49.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1997611	50.476	ug/l	100
85) sec-Butylbenzene	13.17	105	2369310	49.412	ug/l	99
86) p-Isopropyltoluene	13.29	119	2046301	50.104	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1076862	50.302	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1051581	49.869	ug/l	100
89) n-Butylbenzene	13.62	91	1707831	50.281	ug/l	99
90) Hexachloroethane	13.88	117	345207	49.920	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1049811	51.328	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85790	53.255	ug/l	95

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VSTDCCC050EC

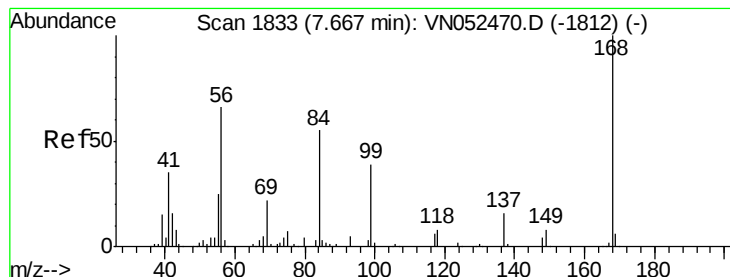
Manual Integrations
APPROVED

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12/4/2018 2:57:08 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	534838	47.863	ug/l	100
94) Hexachlorobutadiene	15.01	225	312588	47.507	ug/l	100
95) Naphthalene	15.14	128	1155750	48.734	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	497967	48.429	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 964423

Ion Ratio Lower Upper

168 100

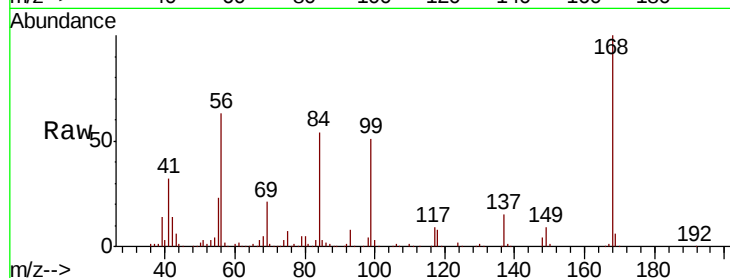
99 51.0 41.7 62.5

Manual Integrations

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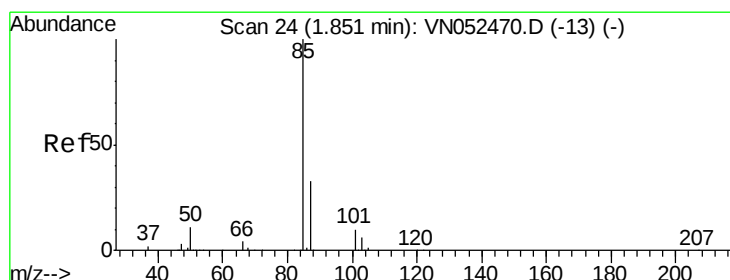
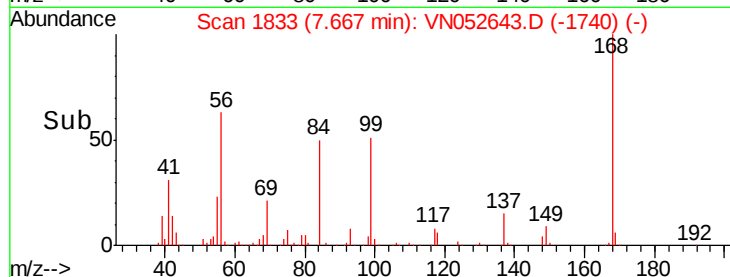
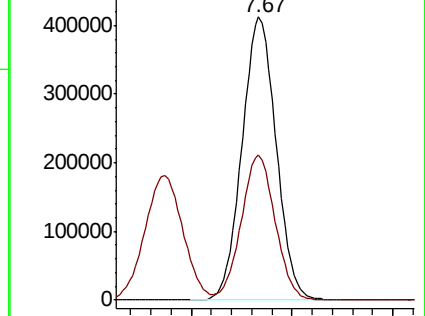
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.607 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052643.D

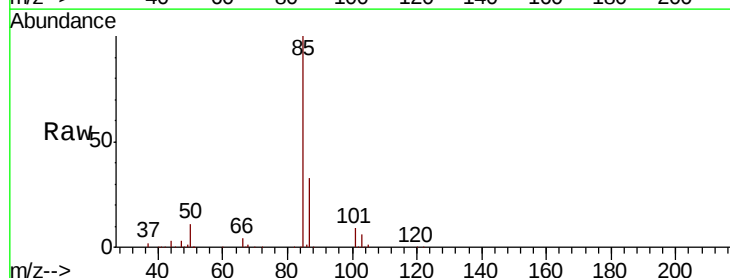
Acq: 3 Dec 2018 20:30

Tgt Ion: 85 Resp: 411838

Ion Ratio Lower Upper

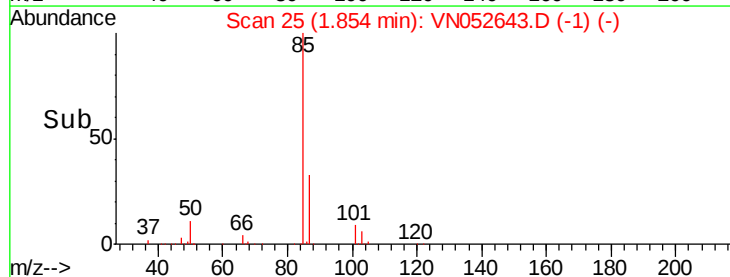
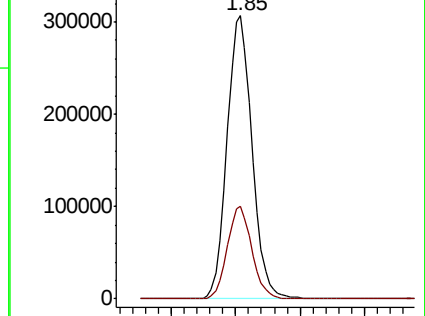
85 100

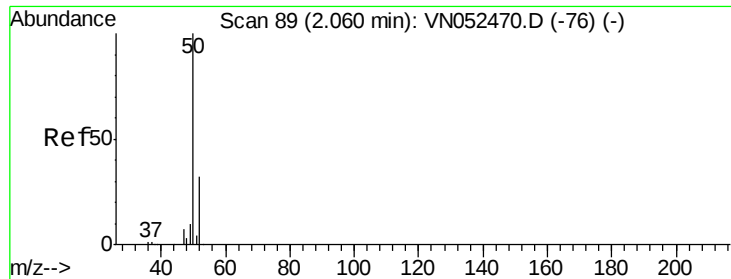
87 32.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.714 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 532991

Ion Ratio Lower Upper

50 100

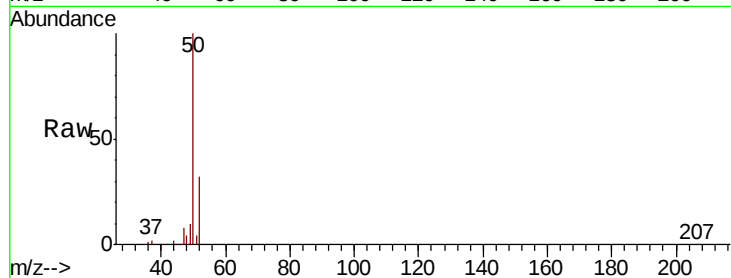
52 32.1 25.9 38.9

Manual Integrations

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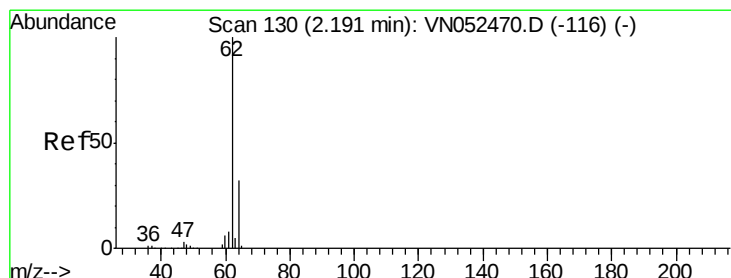
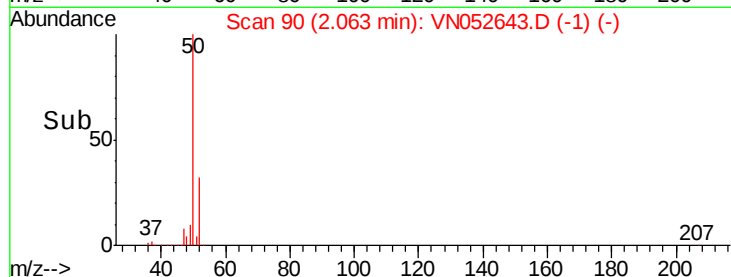
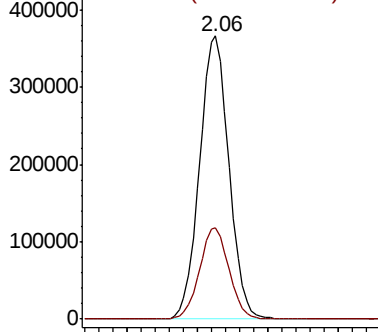
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.634 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052643.D

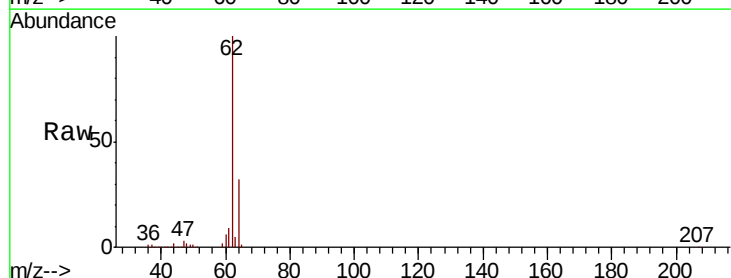
Acq: 3 Dec 2018 20:30

Tgt Ion: 62 Resp: 558778

Ion Ratio Lower Upper

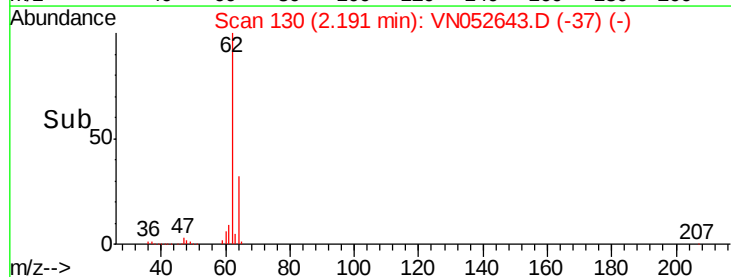
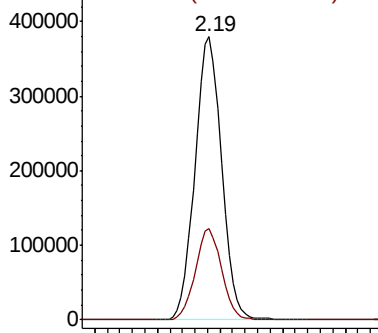
62 100

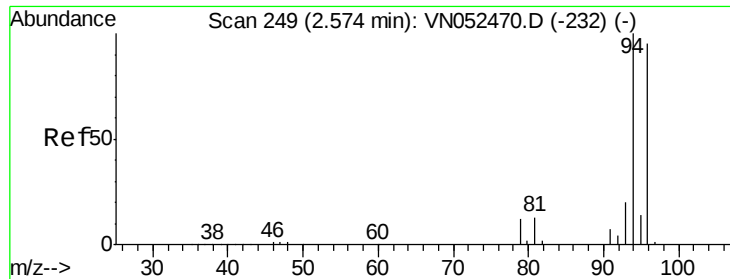
64 32.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 42.406 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 323983

Ion Ratio Lower Upper

94 100

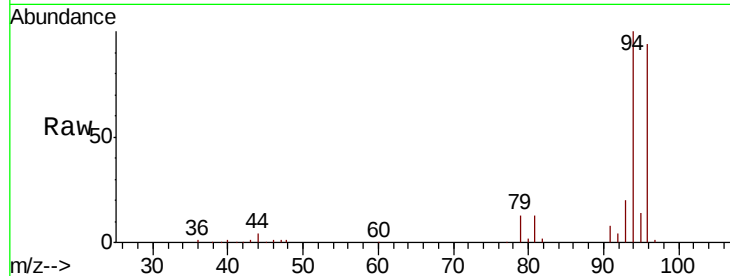
96 93.9 75.8 113.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN052470.D (-232) (-)

Ion 95.90 (95.60 to 96.60): VN052470.D (-232) (-)

2.57

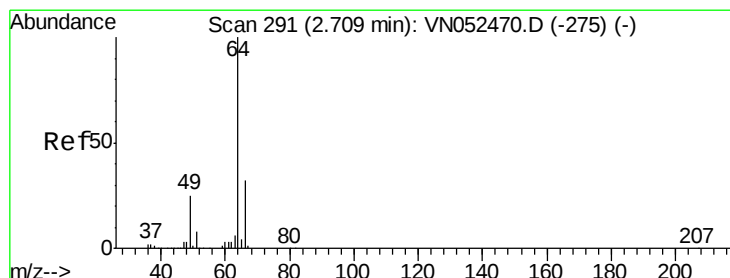
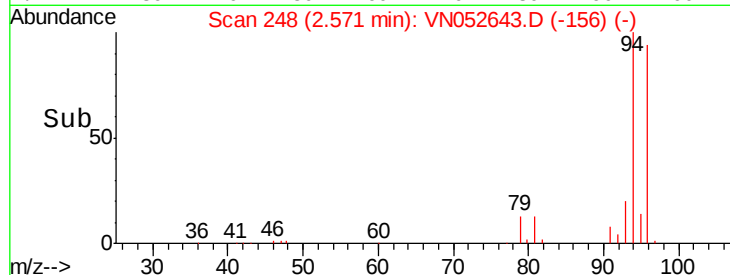
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 46.231 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052643.D

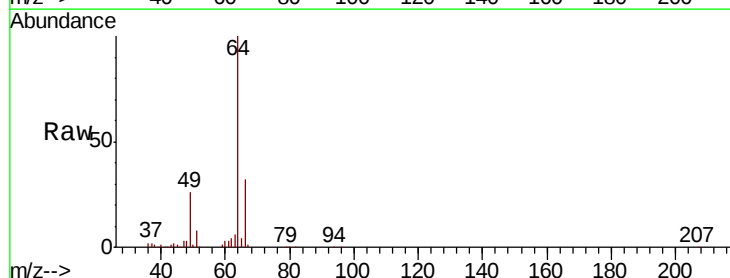
Acq: 3 Dec 2018 20:30

Tgt Ion: 64 Resp: 342897

Ion Ratio Lower Upper

64 100

66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN052470.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN052470.D (-275) (-)

2.71

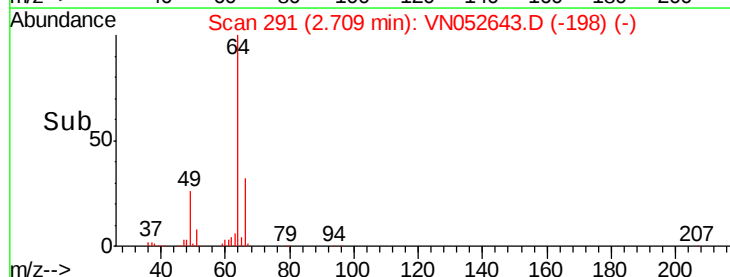
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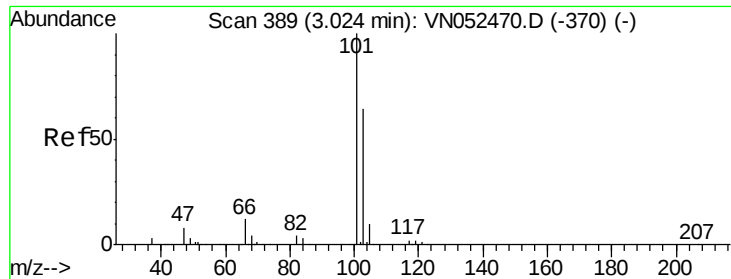
100000

50000

0

Time-->





#7

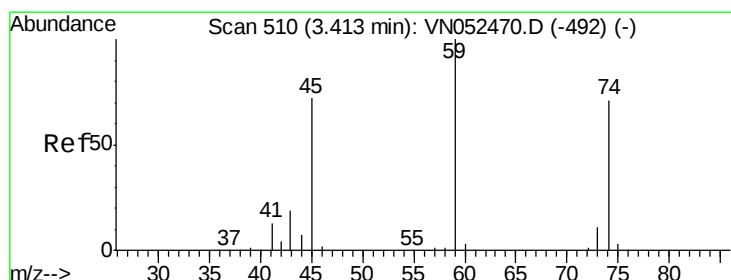
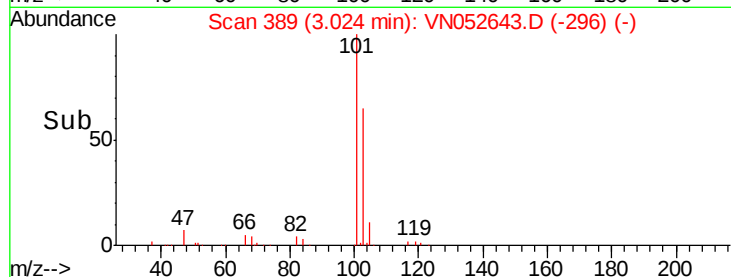
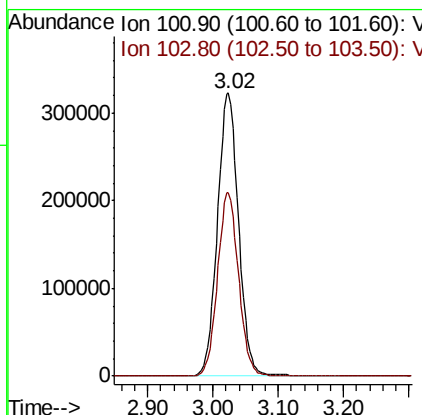
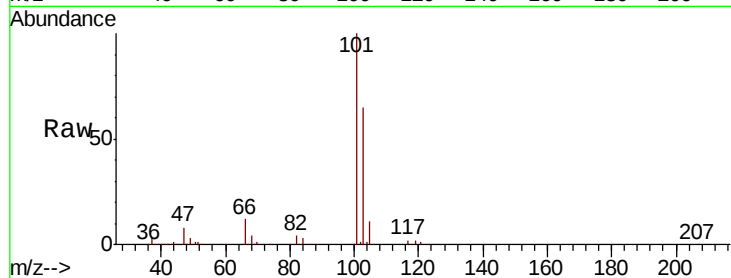
Trichlorofluoromethane
Concen: 48.267 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.4	77.2

Manual Integrations
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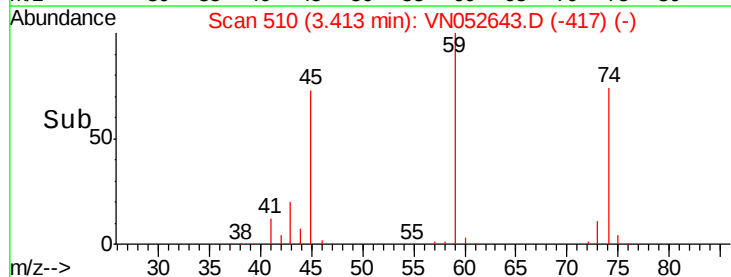
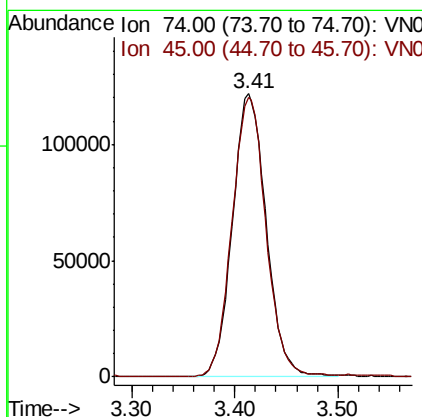
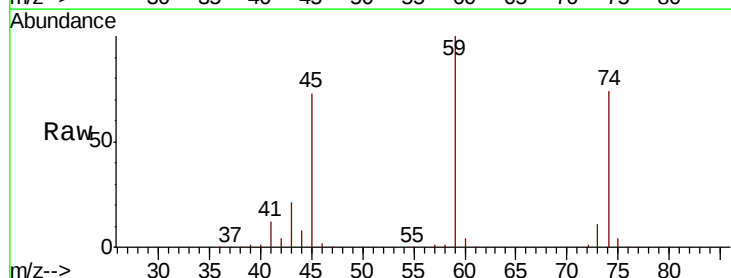
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12/4/2018 2:57:08 PM



#8

Diethyl Ether
Concen: 49.946 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.476 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

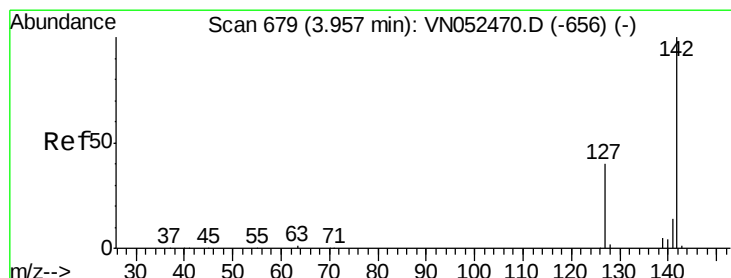
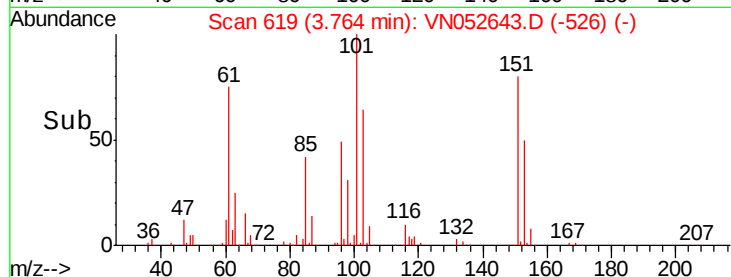
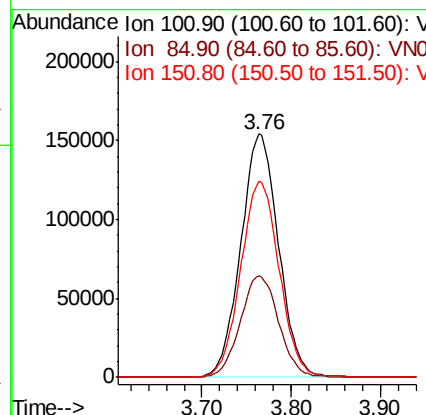
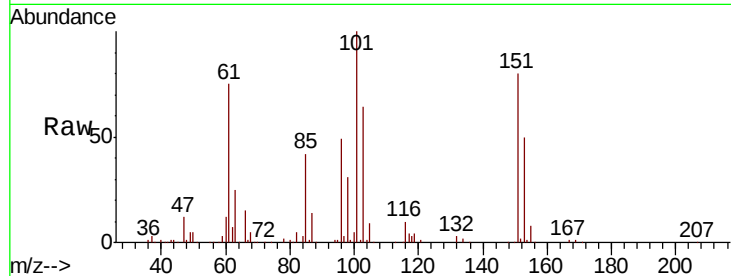
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	454966
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.4
151	82.0	64.6	96.8

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#10

Methyl Iodide

Concen: 56.051 ug/l

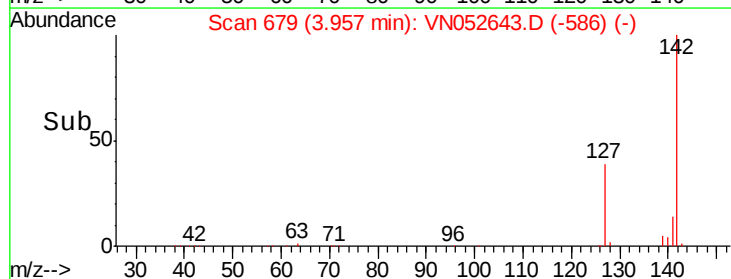
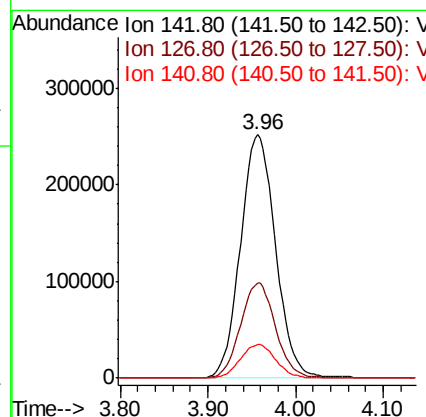
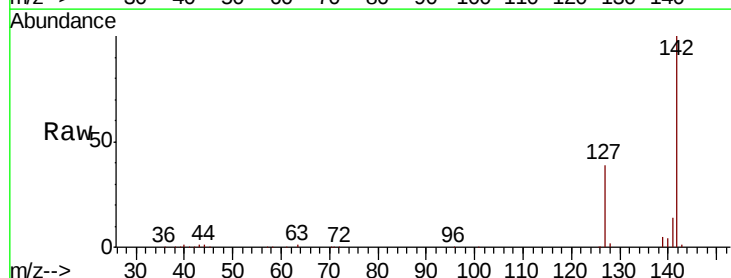
RT: 3.96 min Scan# 679

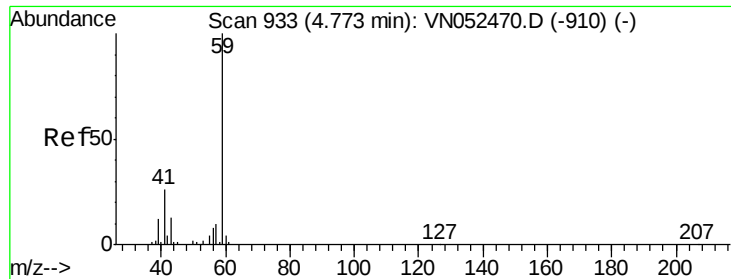
Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Tgt Ion:	142	Resp:	700652
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.8	47.6
141	14.0	11.4	17.0





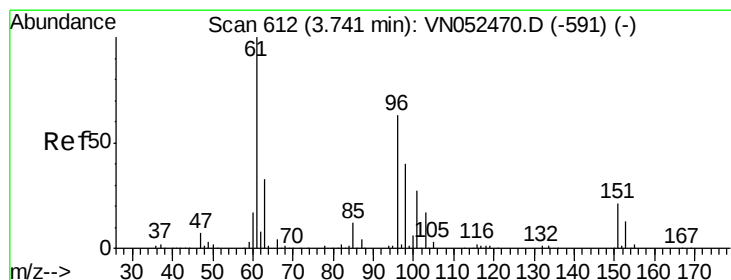
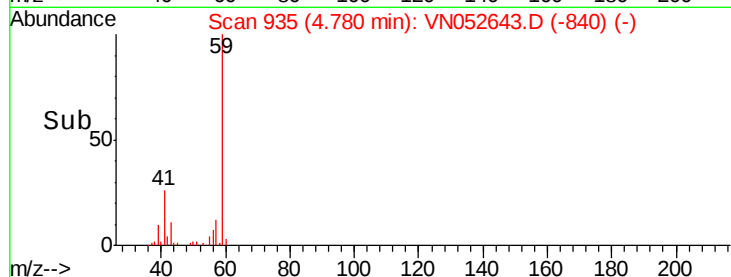
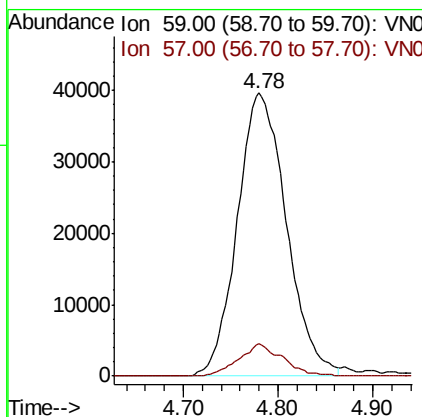
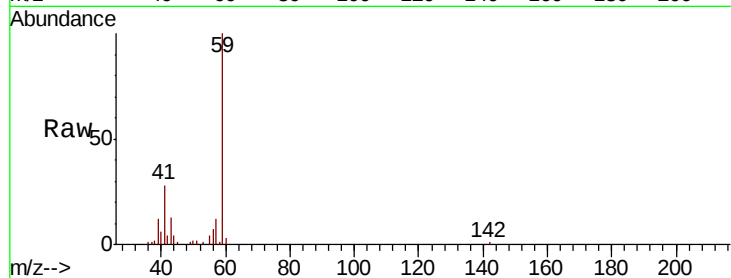
#11
Tert butyl alcohol
Concen: 271.556 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	142757
Ion Ratio	100	Lower	Upper
57	10.3	7.9	11.9

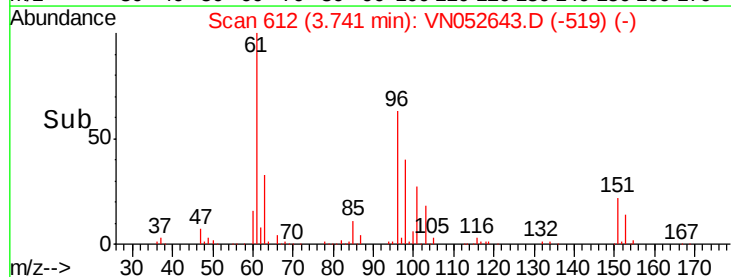
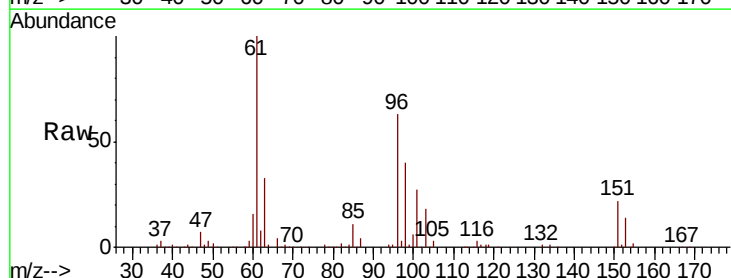
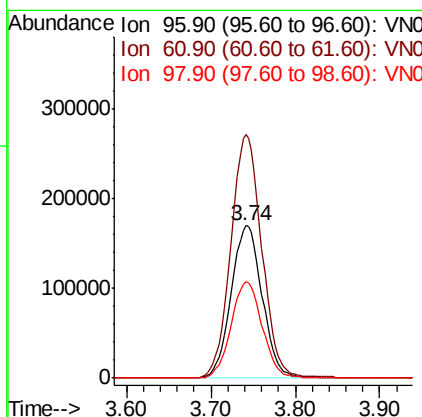
Manual Integrations
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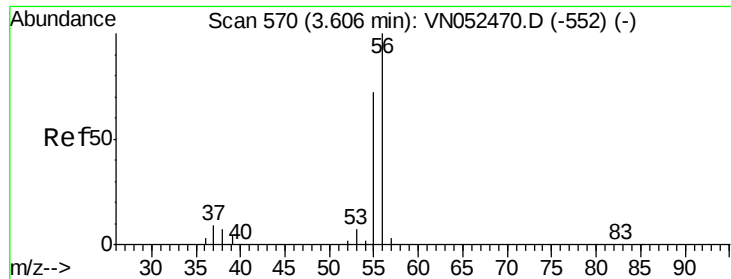
MMDadoda
12/4/2018 2:57:08 PM



#12
1,1-Dichloroethene
Concen: 48.343 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	96	Resp	436736
Ion Ratio	100	Lower	Upper
61	159.5	127.0	190.6
98	63.3	50.3	75.5





#13

Acrolein

Concen: 179.547 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 164047

Ion Ratio Lower Upper

56 100

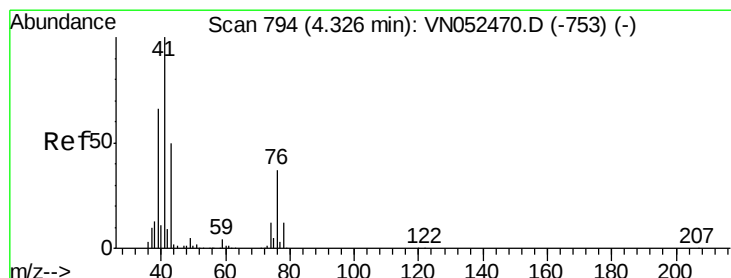
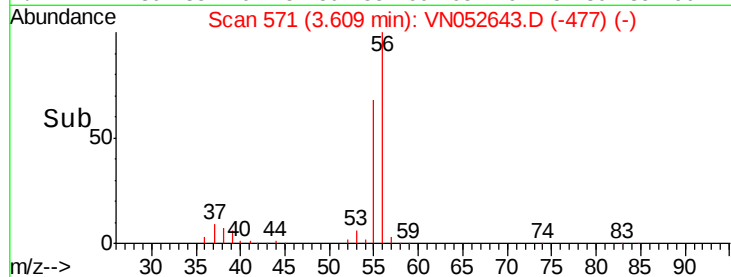
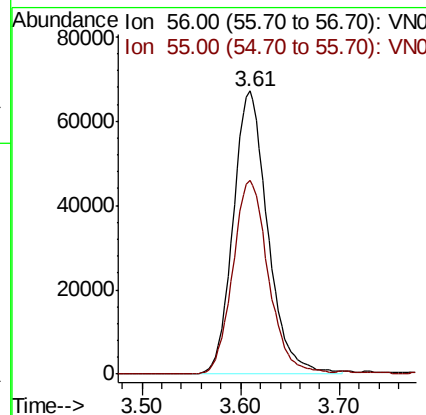
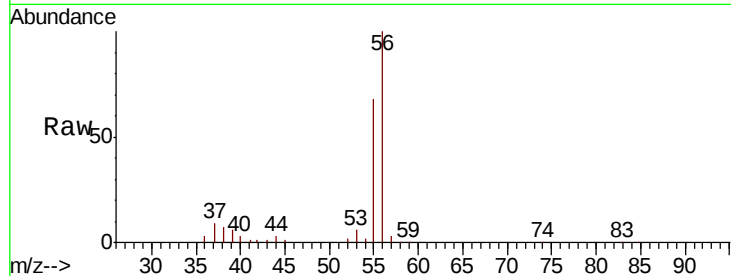
55 70.5 56.8 85.2

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#14

Allyl chloride

Concen: 48.361 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

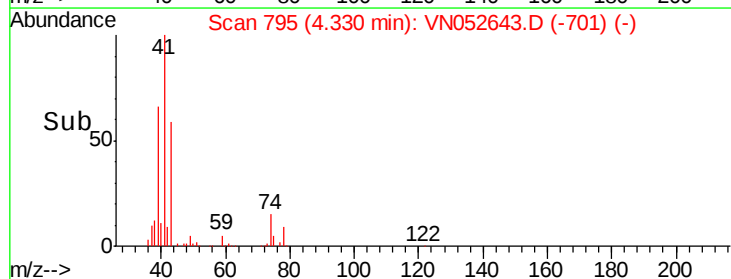
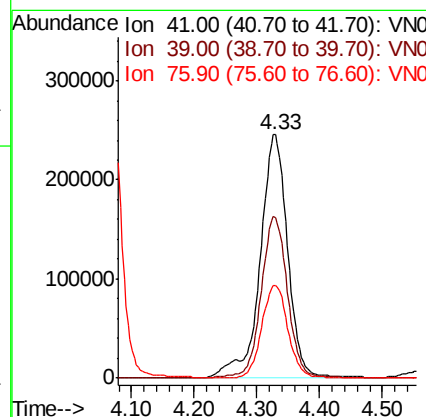
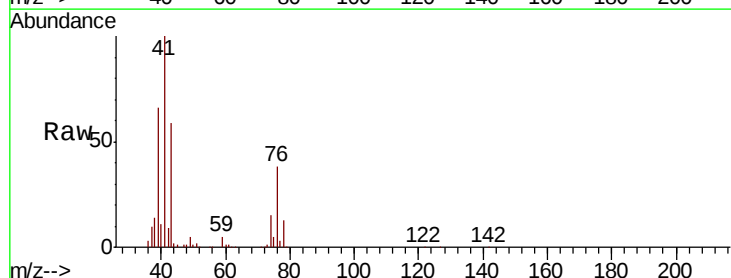
Tgt Ion: 41 Resp: 752997

Ion Ratio Lower Upper

41 100

39 63.6 50.6 76.0

76 35.5 27.4 41.2





#15

Acrylonitrile

Concen: 260.606 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

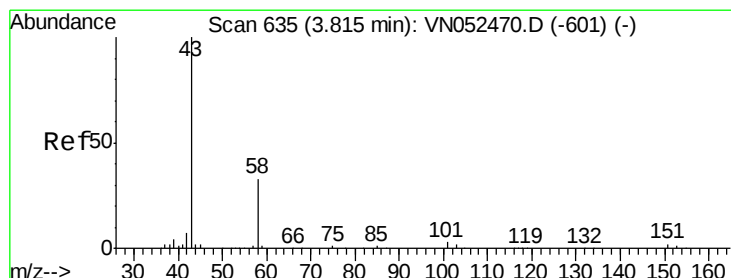
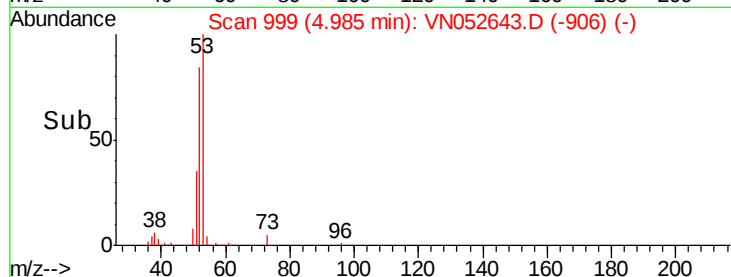
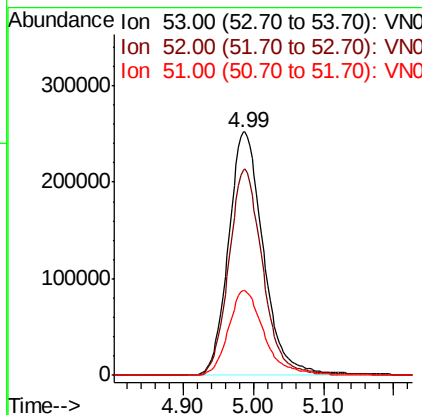
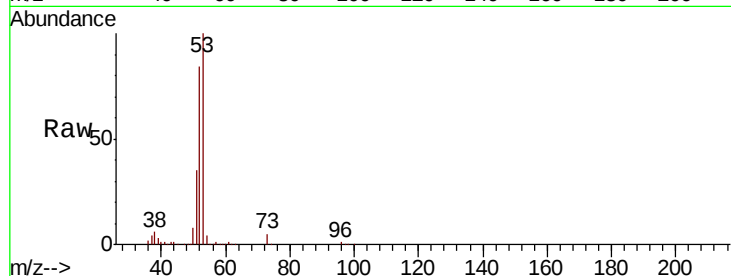
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	867231
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	35.8	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 216.182 ug/l

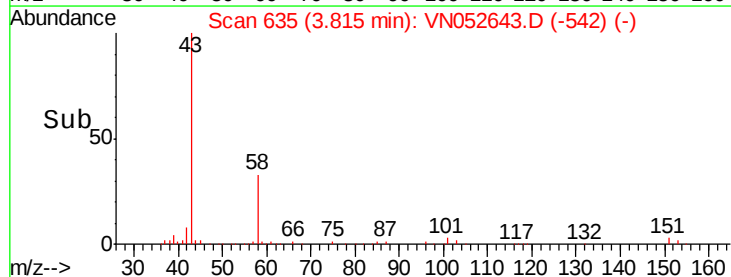
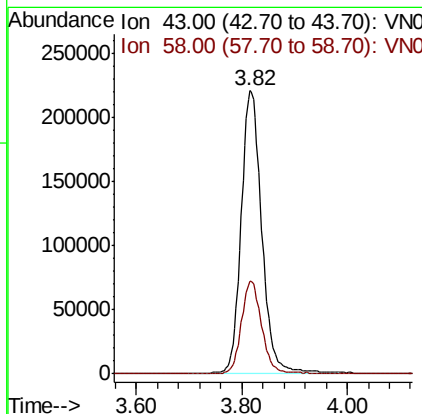
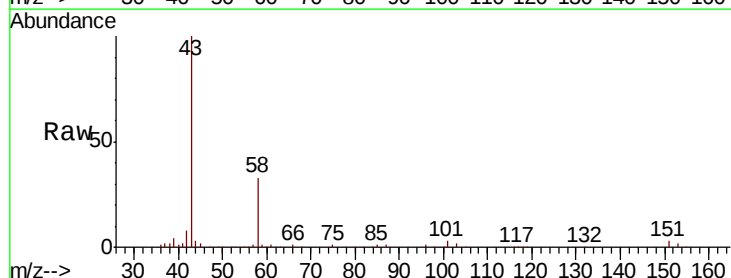
RT: 3.82 min Scan# 635

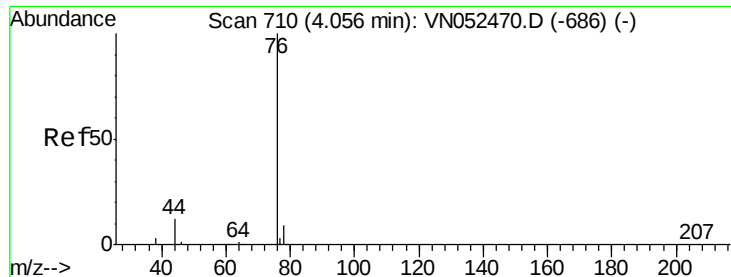
Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Tgt Ion:	43	Resp:	598758
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.0	39.0





#17

Carbon Disulfide

Concen: 42.771 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1215988

Ion Ratio Lower Upper

76 100

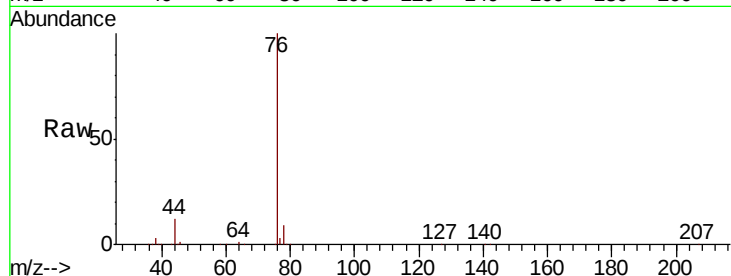
78 9.1 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

500000

400000

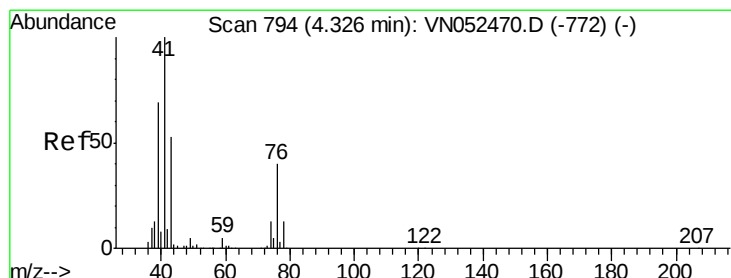
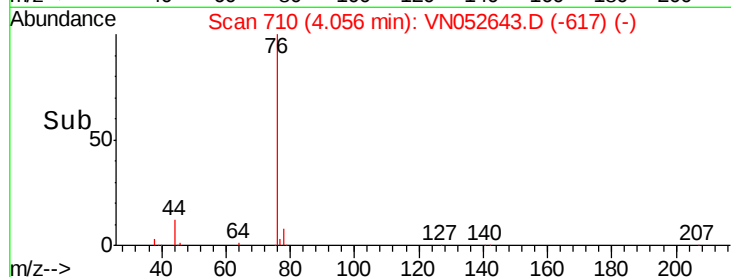
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 53.644 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052643.D

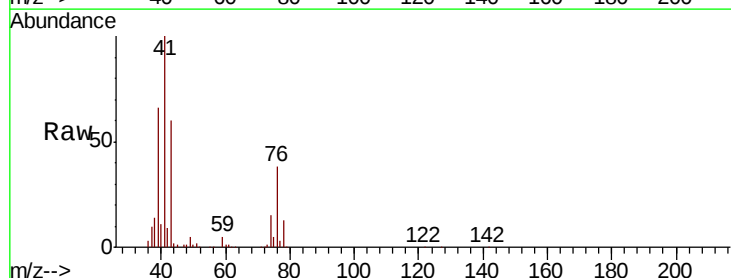
Acq: 3 Dec 2018 20:30

Tgt Ion: 43 Resp: 426189

Ion Ratio Lower Upper

43 100

74 24.3 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

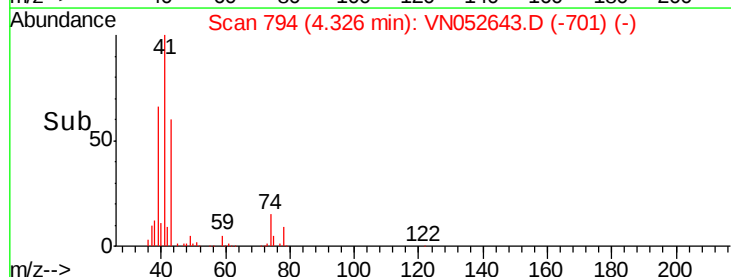
150000

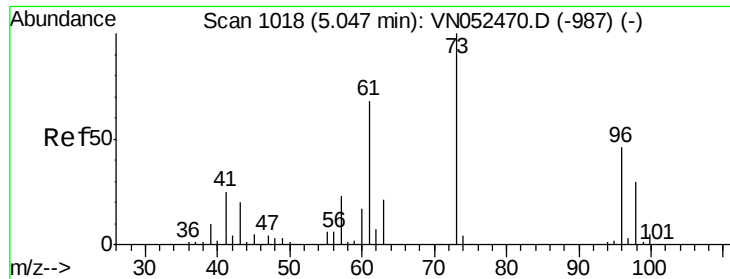
100000

50000

0

Time-->





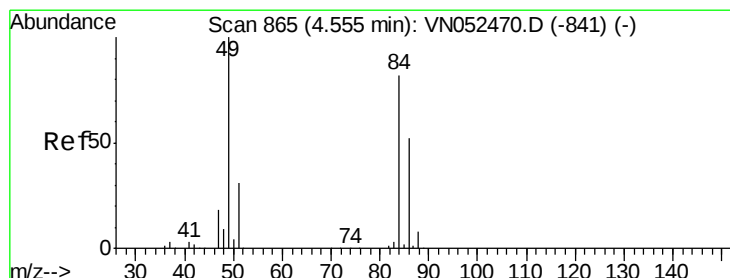
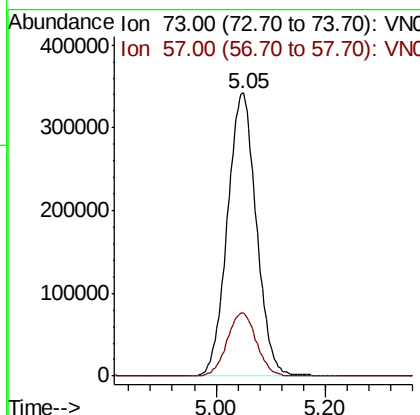
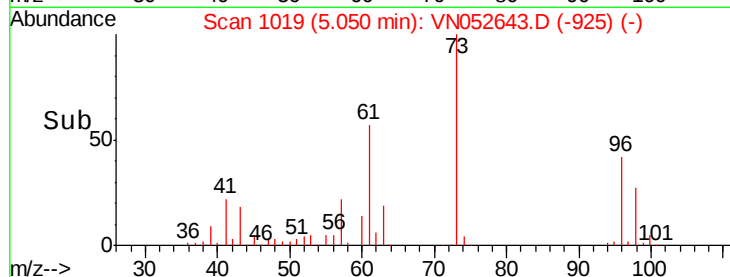
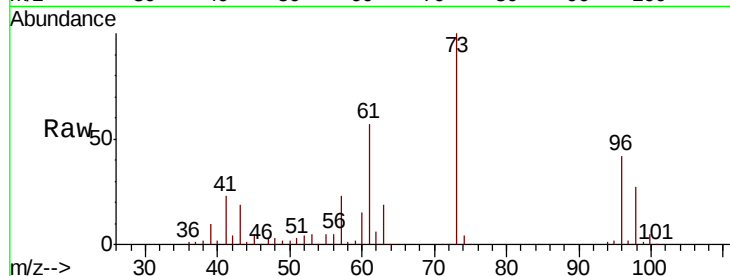
#19
Methvl tert-butvl Ether
Concen: 52.485 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1261546
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2

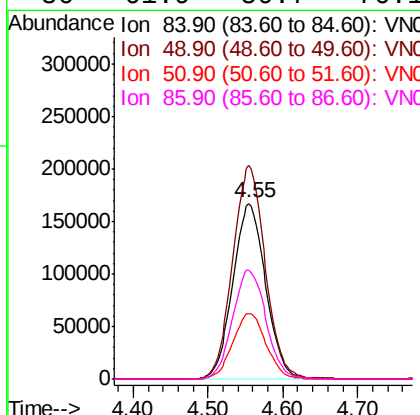
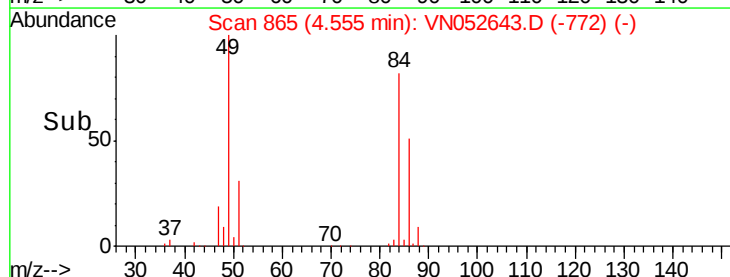
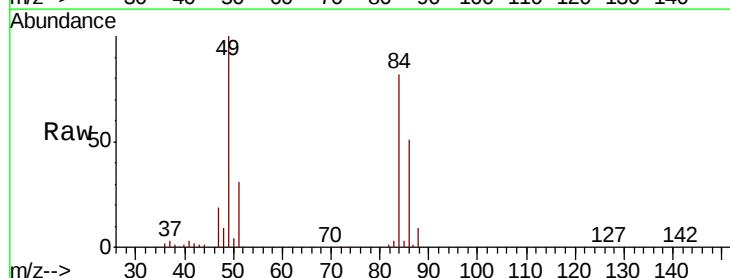
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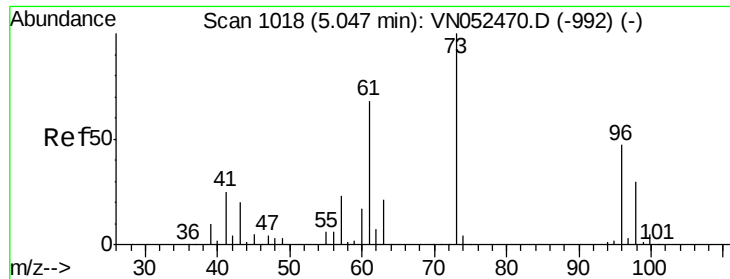
MMDadoda
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#20
Methylene Chloride
Concen: 47.053 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion: 84 Resp: 509985
Ion Ratio Lower Upper
84 100
49 121.5 98.0 147.0
51 37.4 30.1 45.1
86 61.9 50.7 76.1





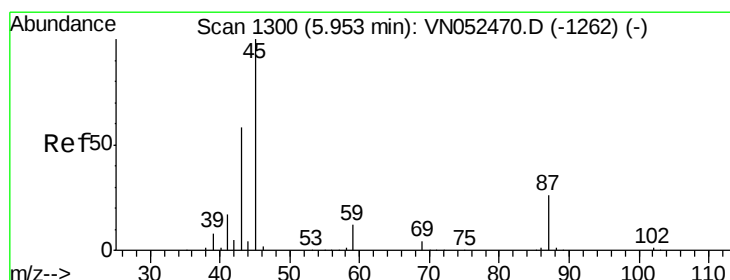
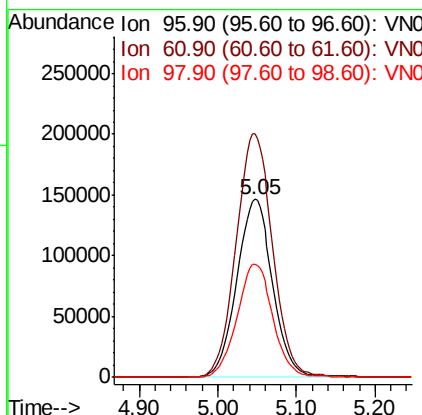
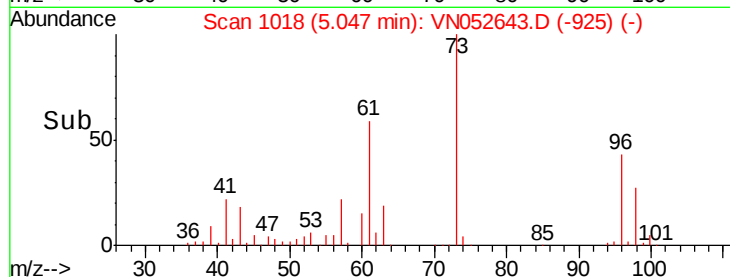
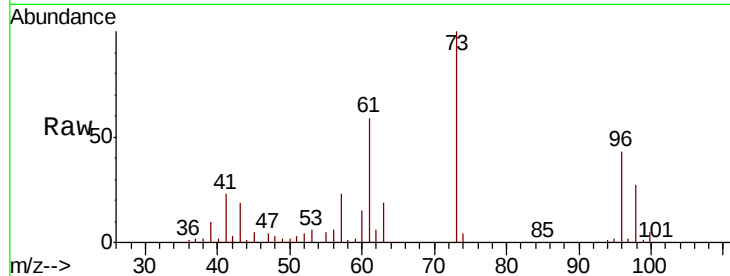
#21
trans-1,2-Dichloroethene
Concen: 48.473 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	117.0	175.4
98	63.7	51.8	77.6

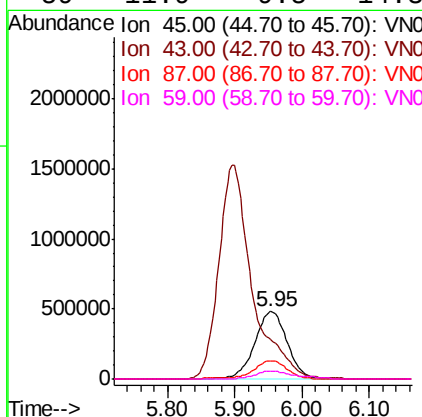
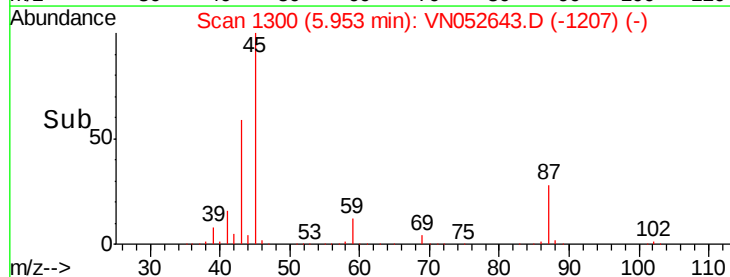
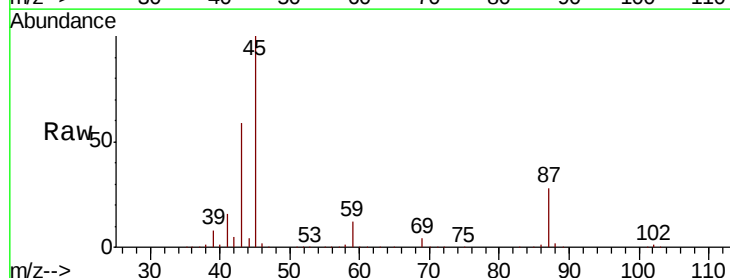
Manual Integrations
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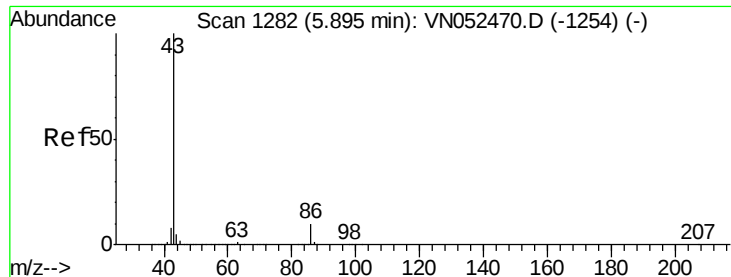
MMDadoda
12/4/2018 2:57:08 PM



#22
Diisopropyl ether
Concen: 49.352 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	46.1	69.1
87	27.4	21.3	31.9
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 259.403 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 5284301

Ion Ratio Lower Upper

43 100

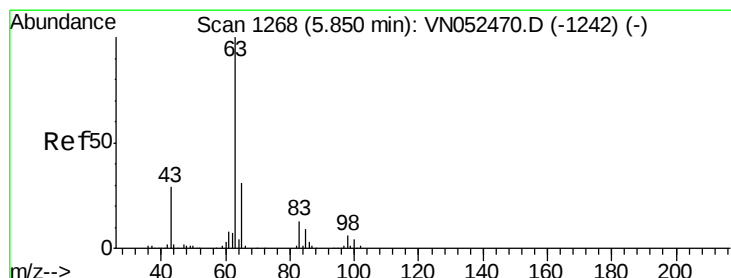
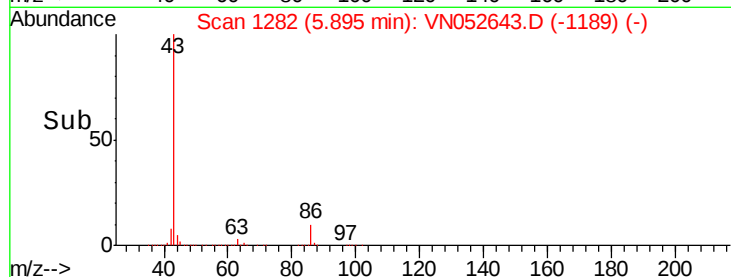
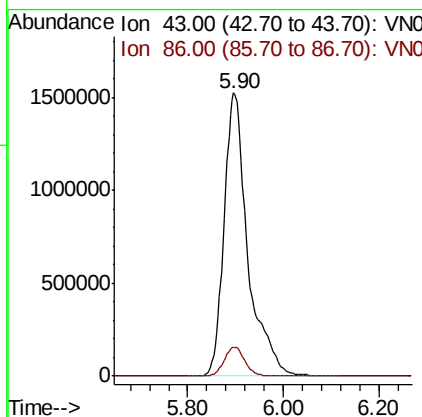
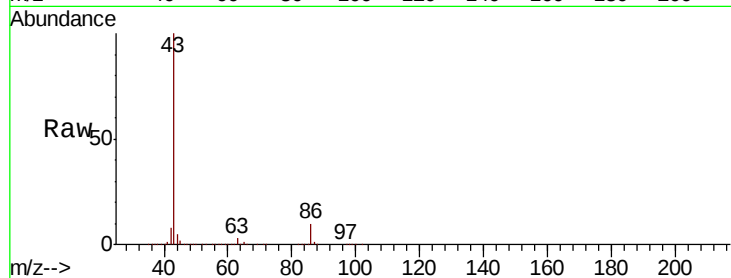
86 10.3 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.821 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

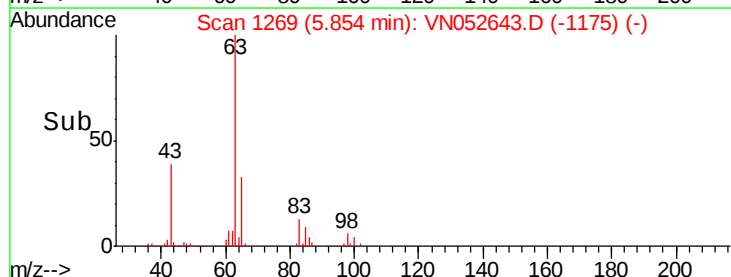
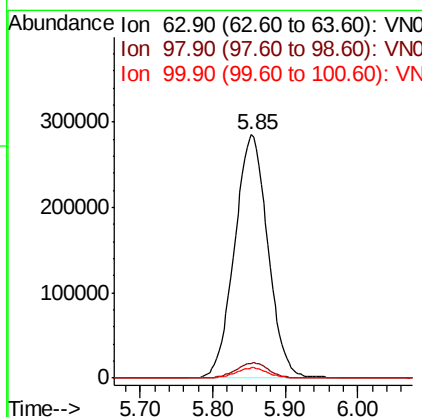
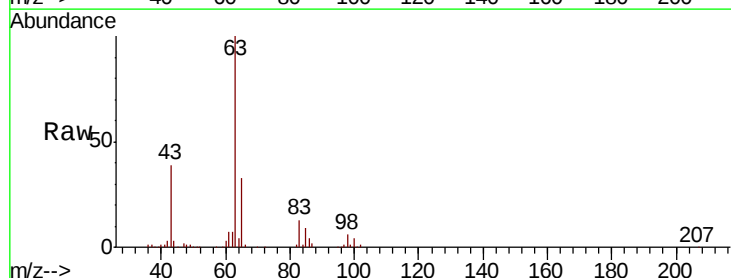
Tgt Ion: 63 Resp: 911688

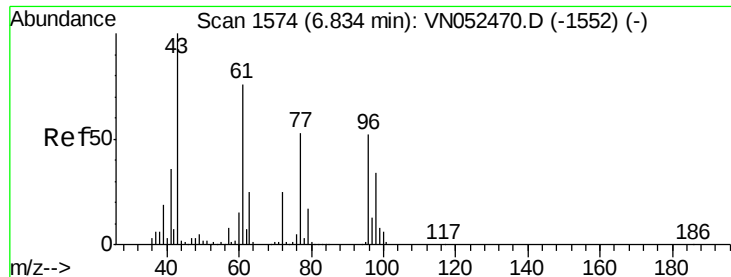
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.2 2.0 5.8





#25

2-Butanone

Concen: 244.750 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 960826

Ion Ratio Lower Upper

43 100

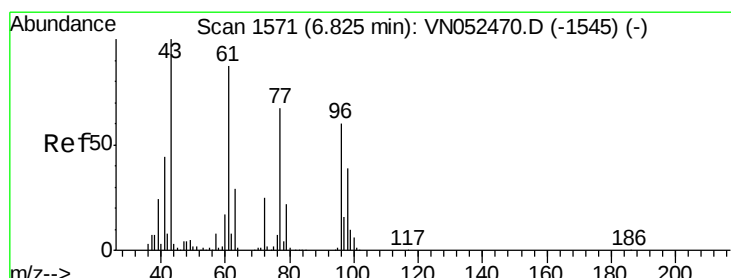
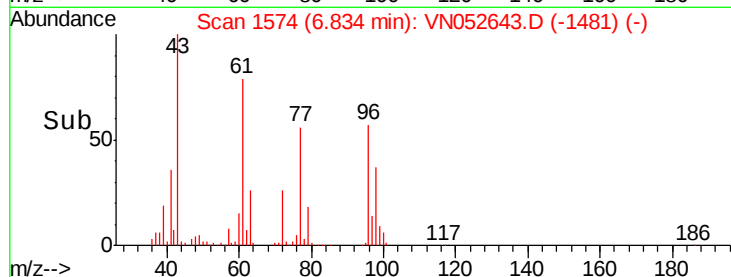
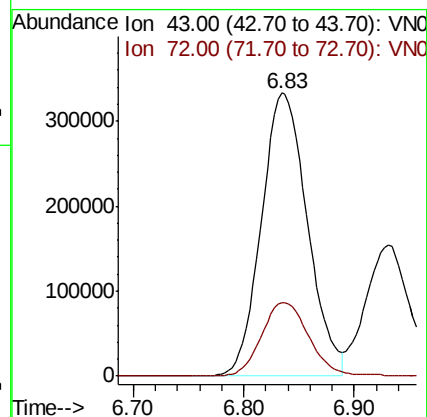
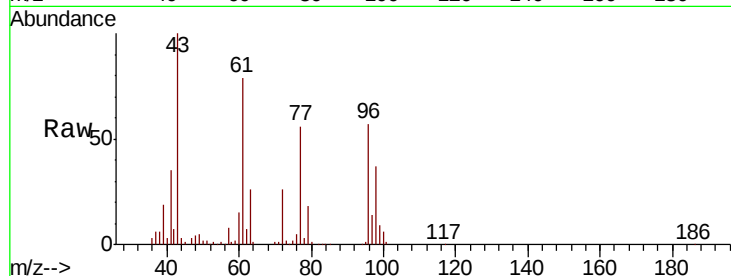
72 26.1 20.1 30.1

Manual Integrations

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12/4/2018 2:57:08 PM



#26

2,2-Dichloropropane

Concen: 48.215 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052643.D

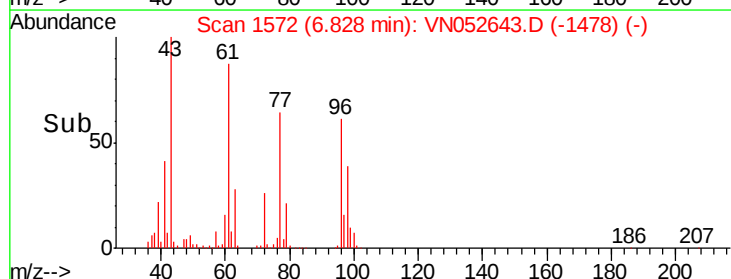
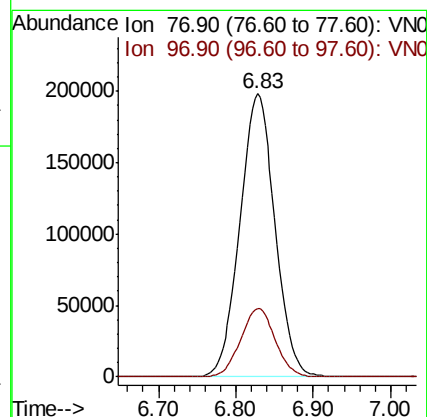
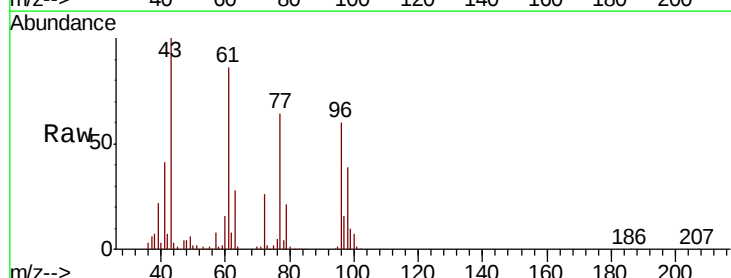
Acq: 3 Dec 2018 20:30

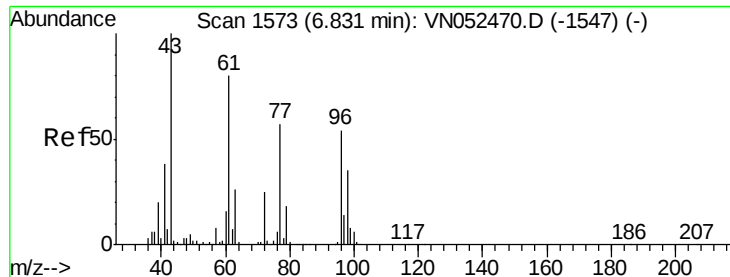
Tgt Ion: 77 Resp: 623195

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.888 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

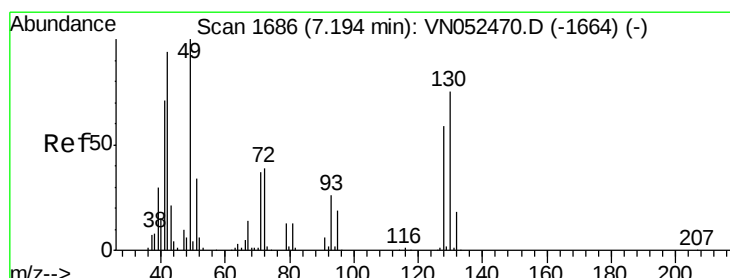
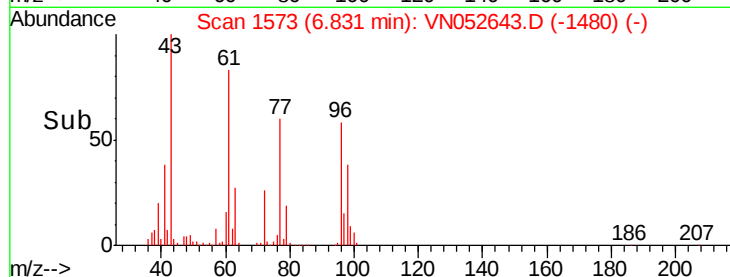
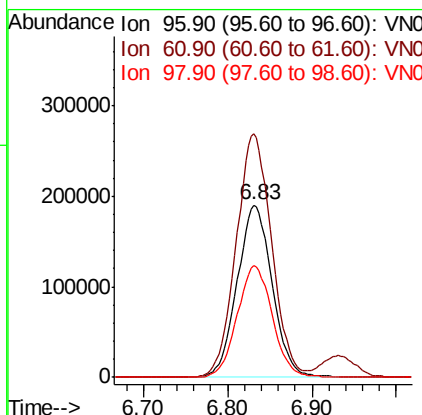
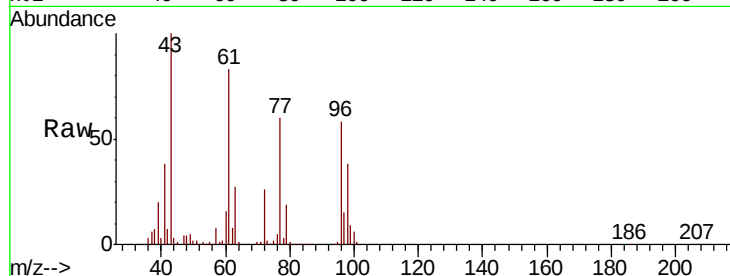
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	549472
Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	291.0
98	65.3	0.0	130.0

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#28

Bromochloromethane

Concen: 49.679 ug/l

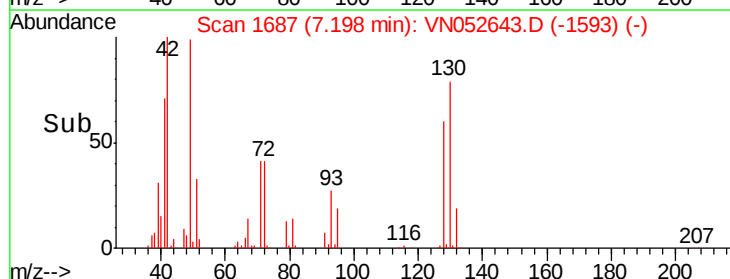
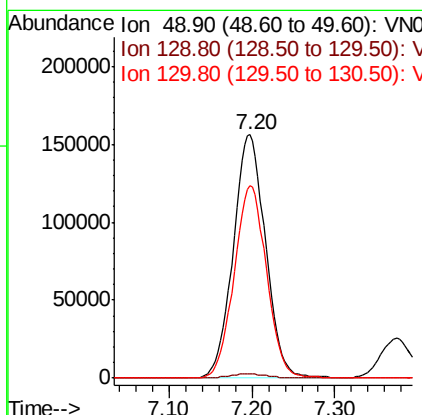
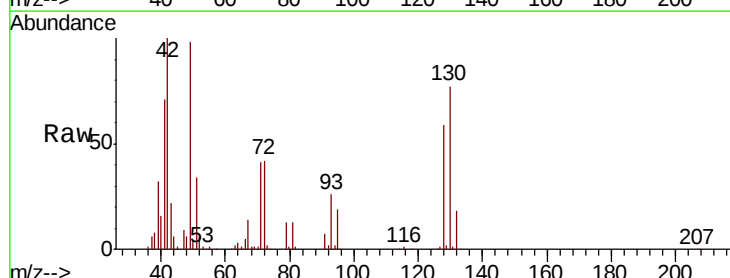
RT: 7.20 min Scan# 1687

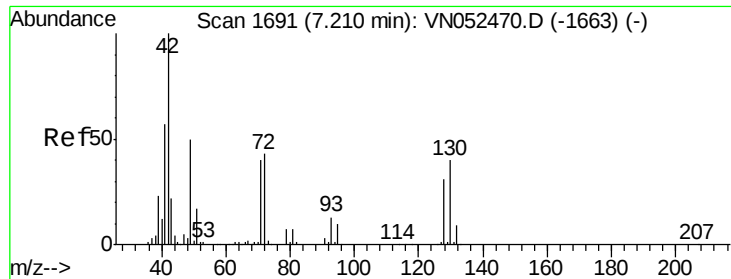
Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Tgt Ion:	49	Resp:	423726
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	79.5	60.2	90.2





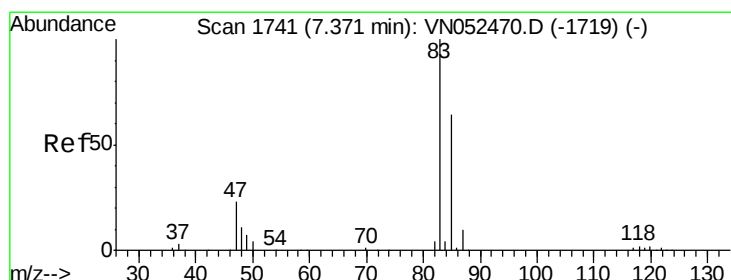
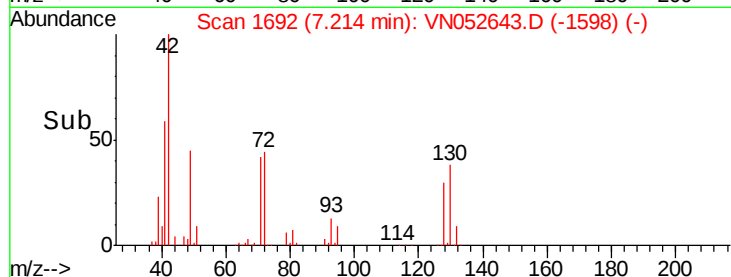
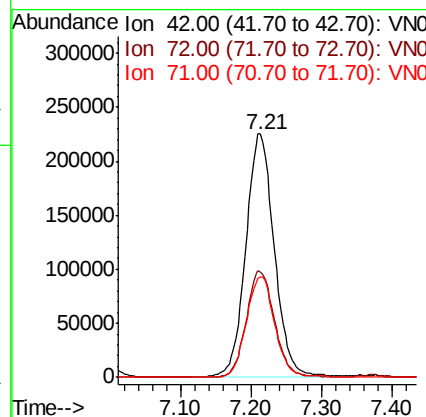
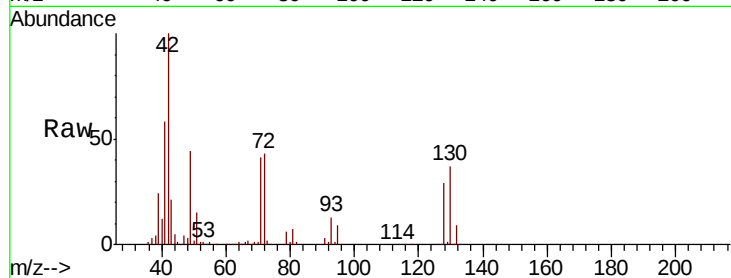
#29
Tetrahydrofuran
Concen: 250.200 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.3	49.9
71	41.4	32.0	48.0

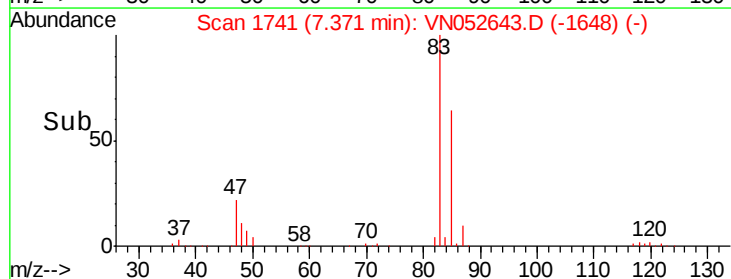
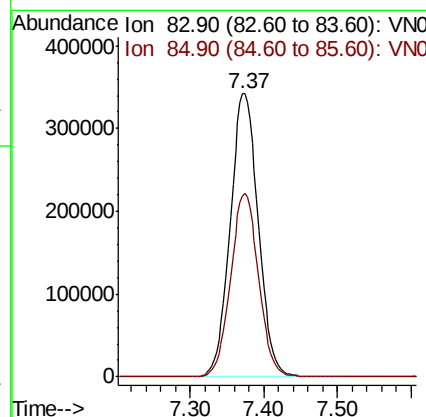
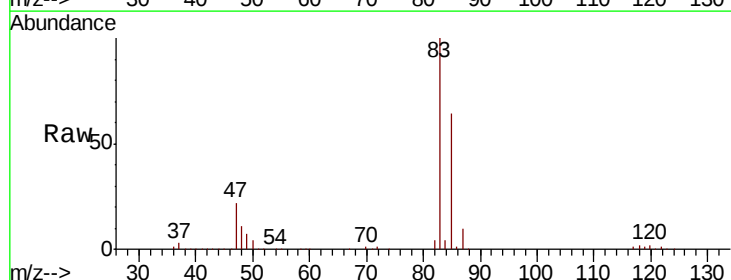
Manual Integrations
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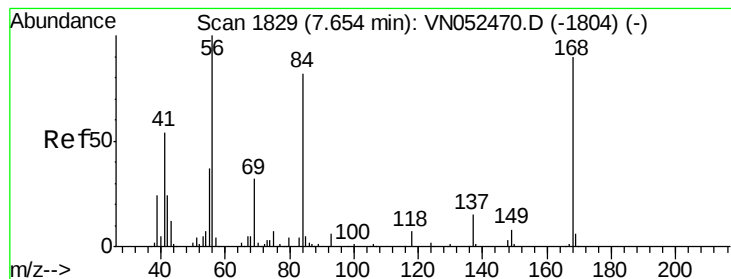
MMDadoda
12/4/2018 2:57:08 PM



#30
Chloroform
Concen: 48.482 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.4





#31

Cyclohexane

Concen: 45.899 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 56 Resp: 830143

Ion Ratio Lower Upper

56 100

69 33.4 25.8 38.6

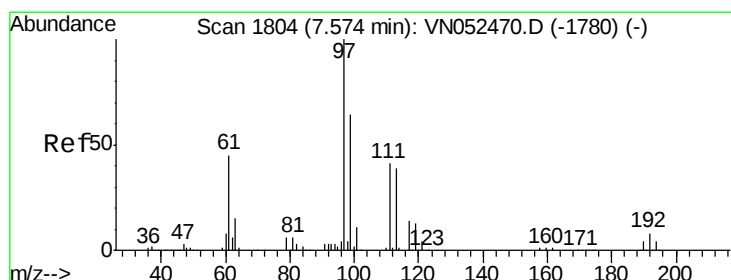
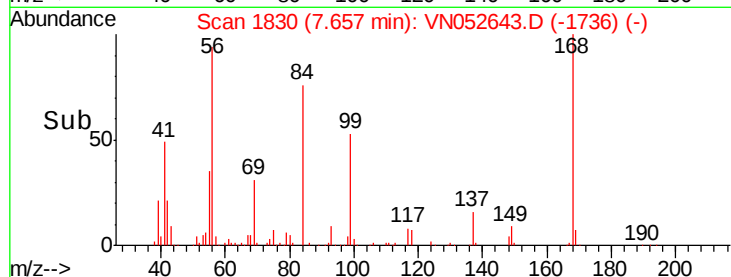
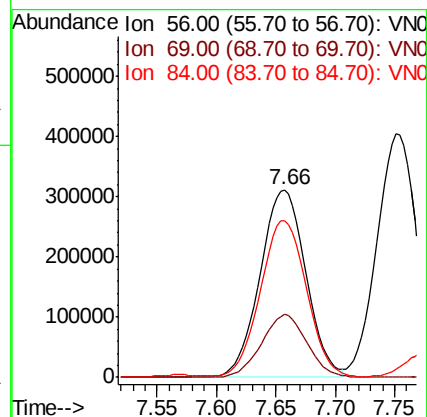
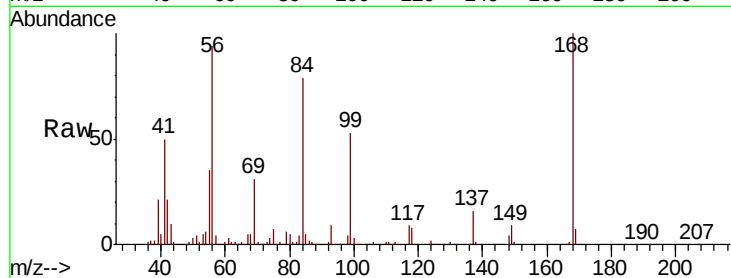
84 82.7 65.3 97.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 50.491 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

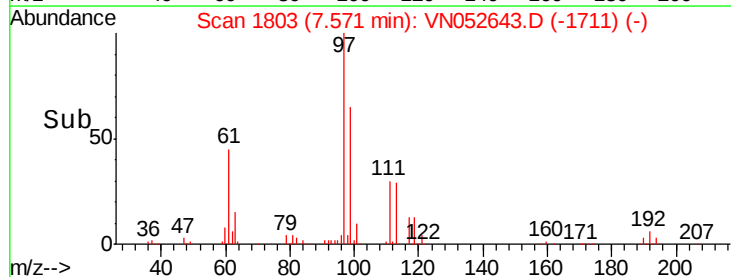
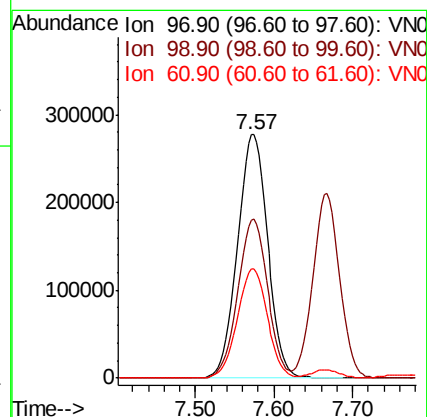
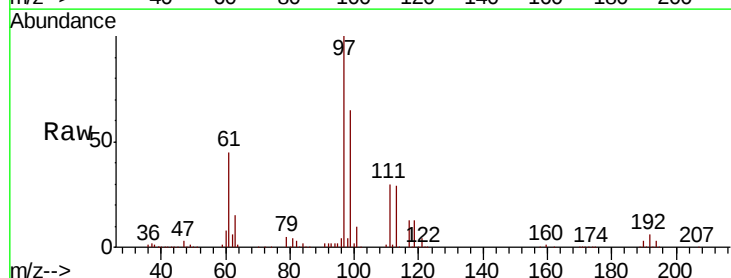
Tgt Ion: 97 Resp: 745325

Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

61 44.6 36.8 55.2





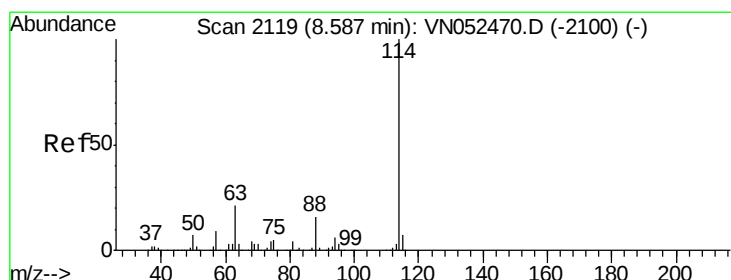
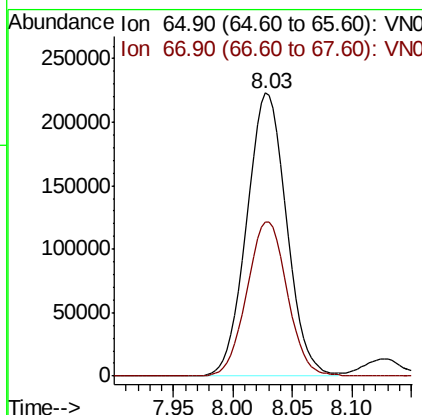
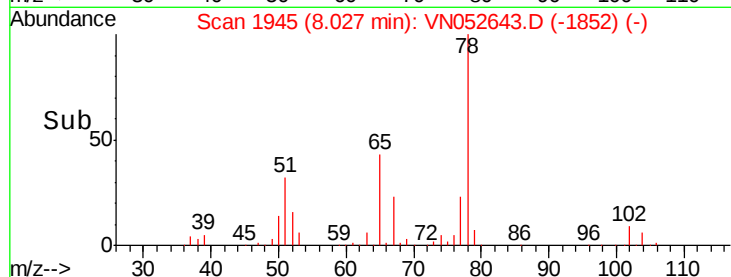
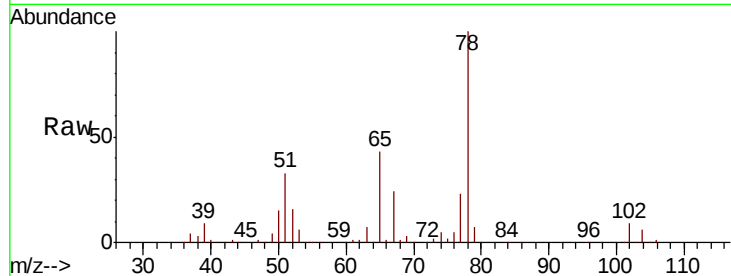
#33
 1,2-Dichloroethane-d4
 Concen: 50.491 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	109.8	

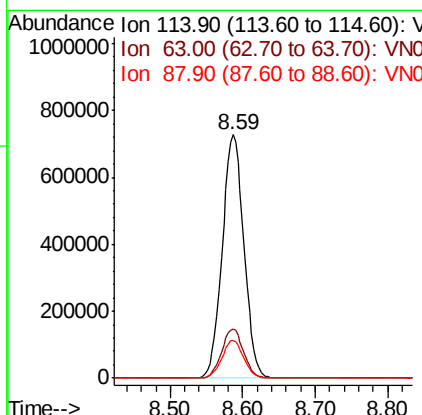
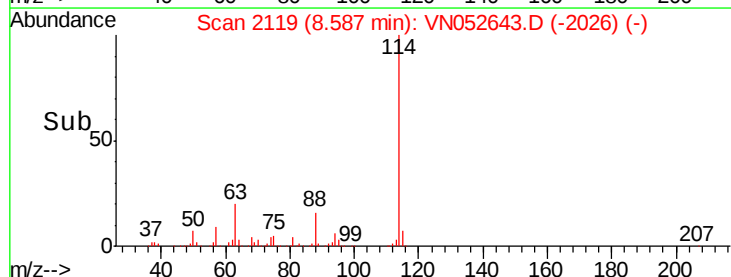
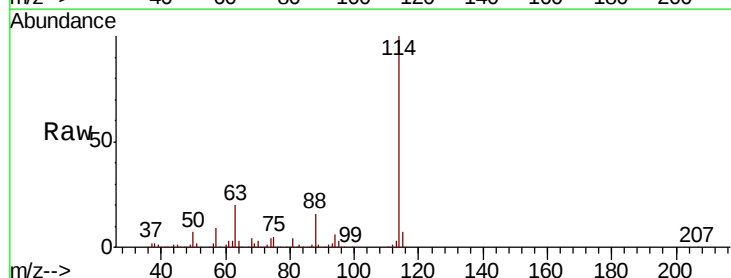
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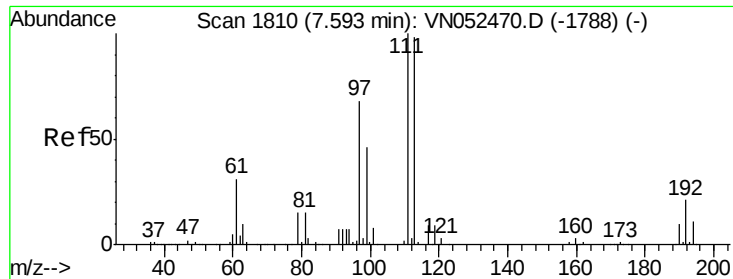
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.2	0.0	41.8	
88	15.6	0.0	31.6	





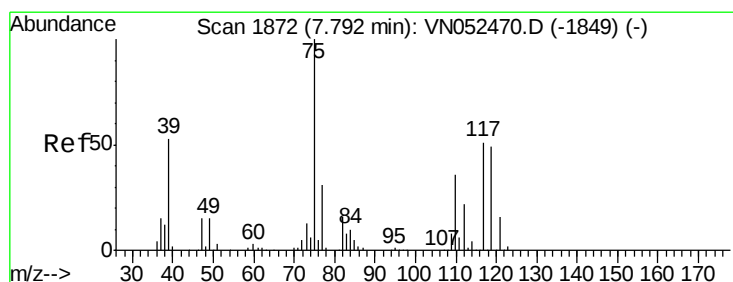
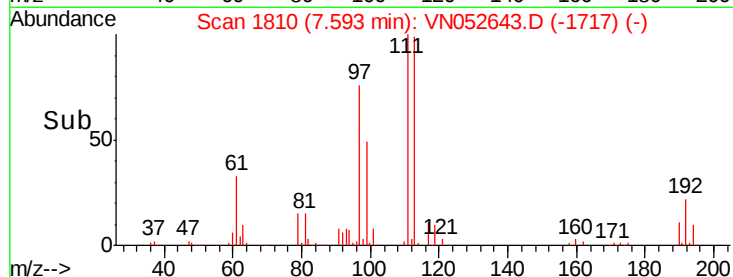
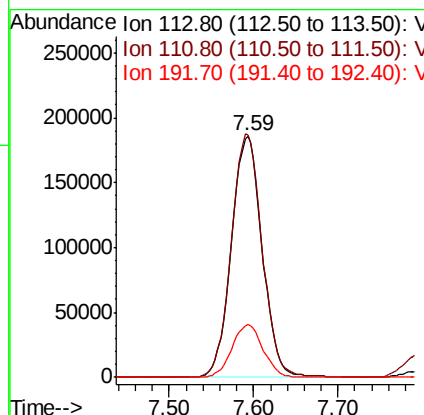
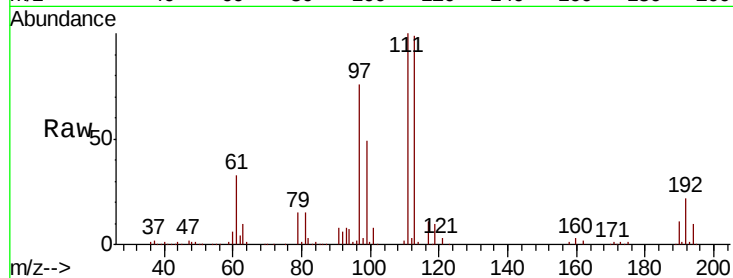
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	472412		
111	100.9	82.0	123.0	
192	22.0	17.0	25.6	

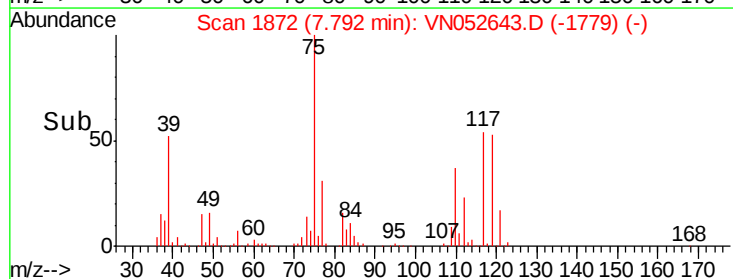
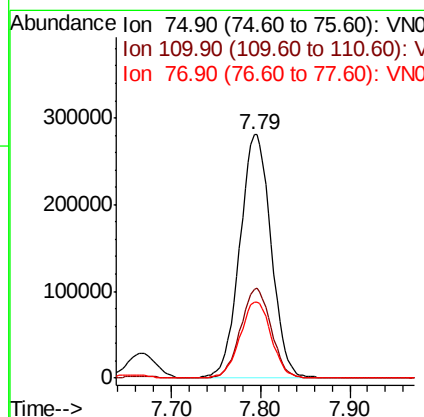
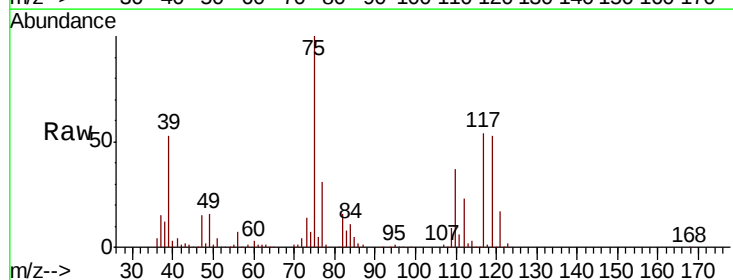
Manual Integrations
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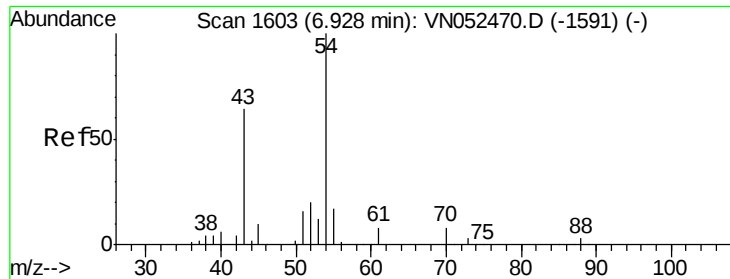
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#36
1,1-Dichloropropene
Concen: 47.872 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	679105		
110	36.4	17.5	52.6	
77	31.6	24.5	36.7	





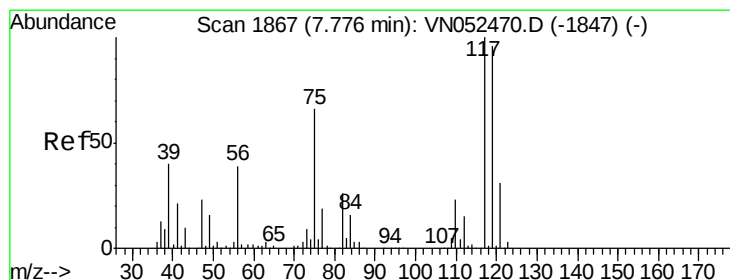
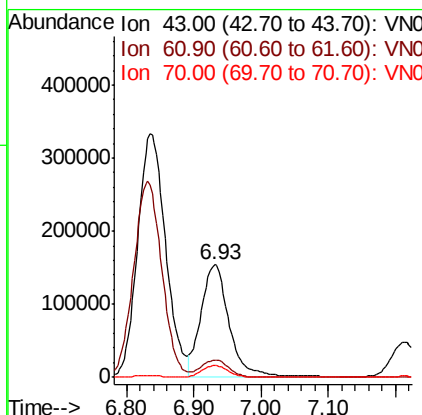
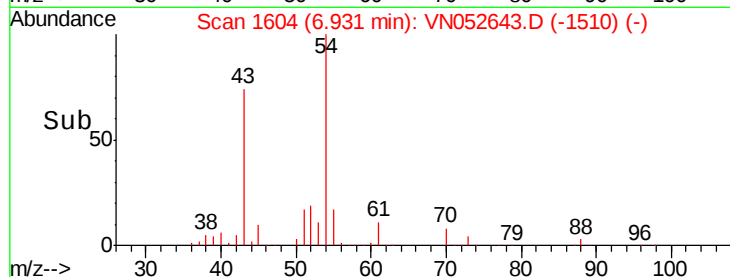
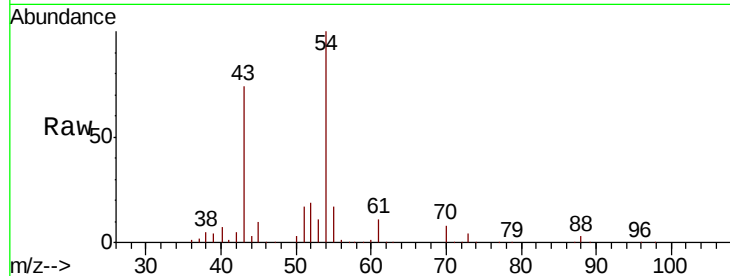
#37
Ethyl Acetate
Concen: 50.941 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.8
70	9.9	7.8	11.8

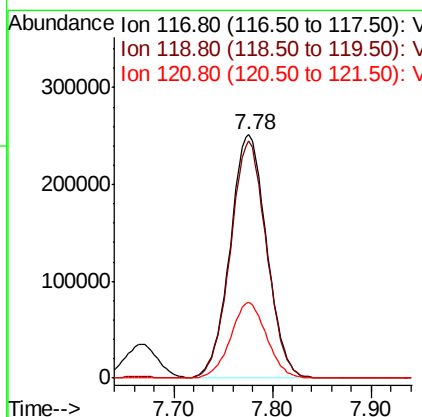
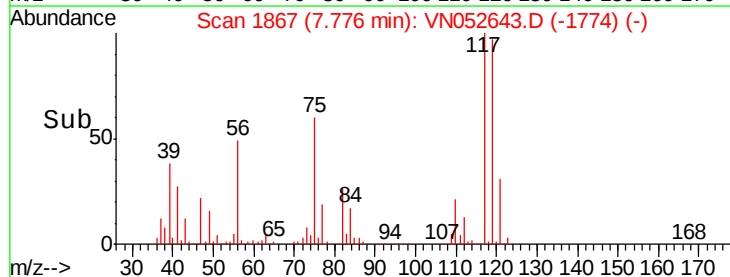
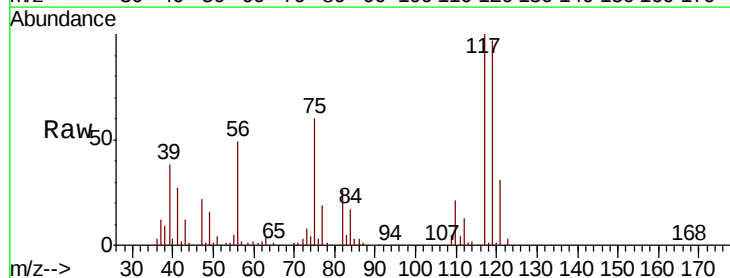
Manual Integrations
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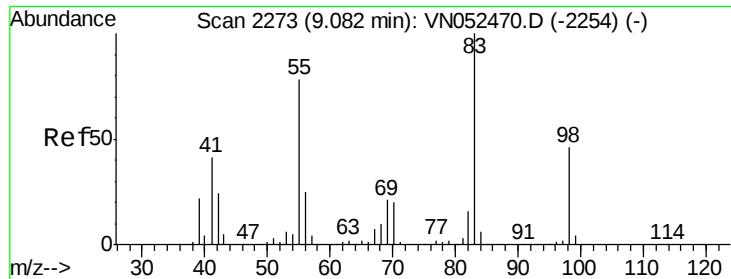
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#38
Carbon Tetrachloride
Concen: 50.329 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.8	115.2
121	31.4	24.9	37.3





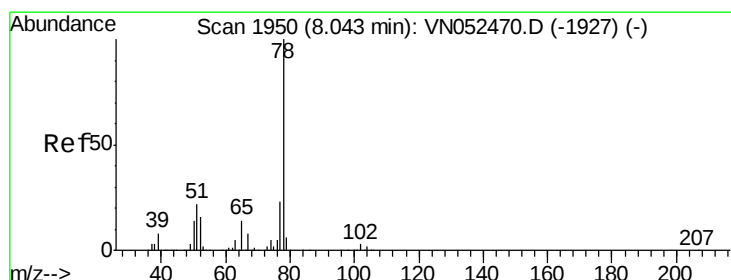
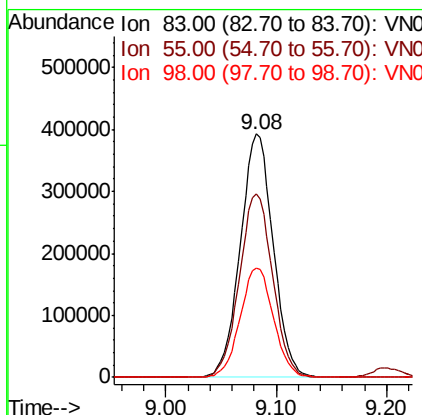
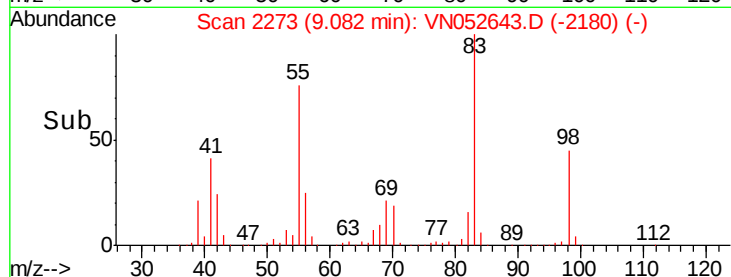
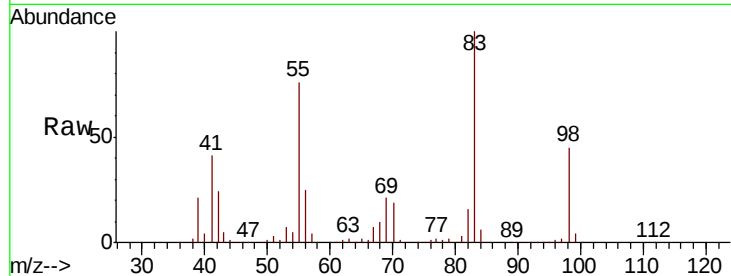
#39
Methvlcvclohexane
Concen: 47.002 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	810426
Ion	Ratio	Lower	Upper
83	100		
55	75.6	62.2	93.2
98	45.0	36.4	54.6

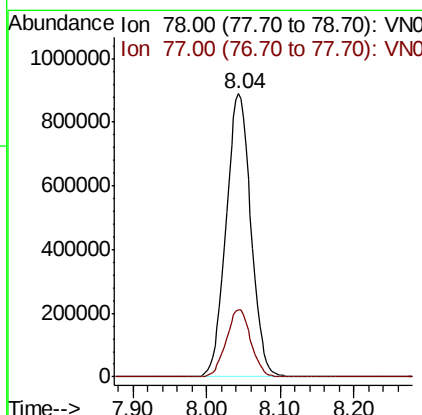
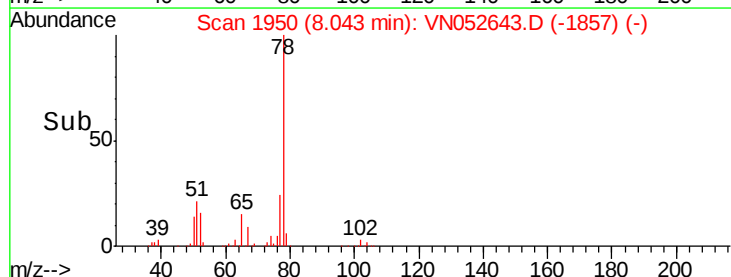
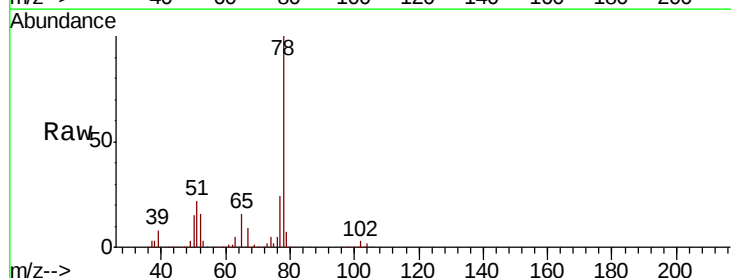
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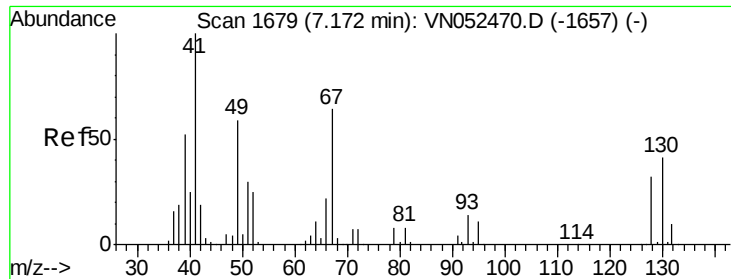
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#40
Benzene
Concen: 49.069 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	78	Resp	2074450
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





#41

Methacrylonitrile

Concen: 56.736 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 268537

Ion Ratio Lower Upper

41 100

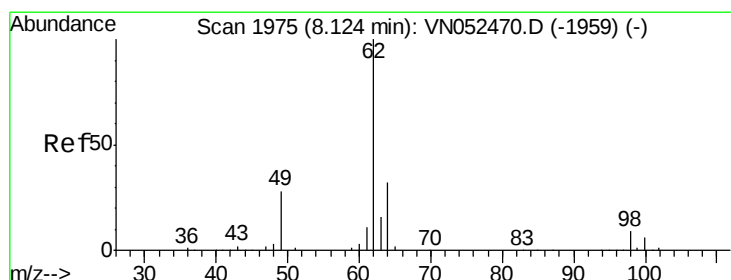
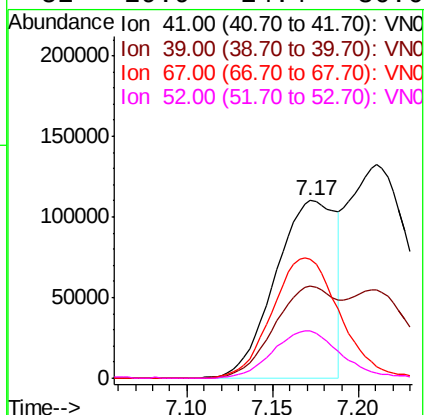
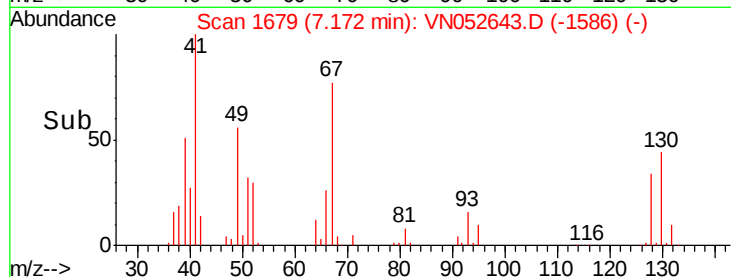
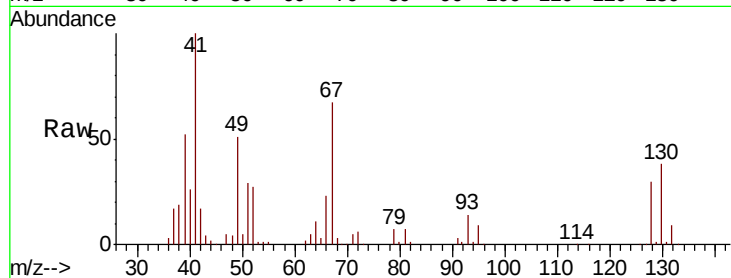
39 54.8 50.9 76.3

67 76.8 63.6 95.4

52 29.9 24.4 36.6

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.362 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN052643.D

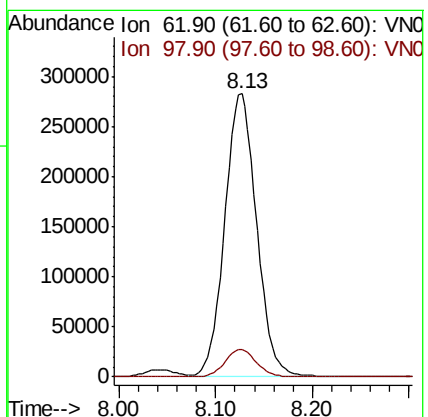
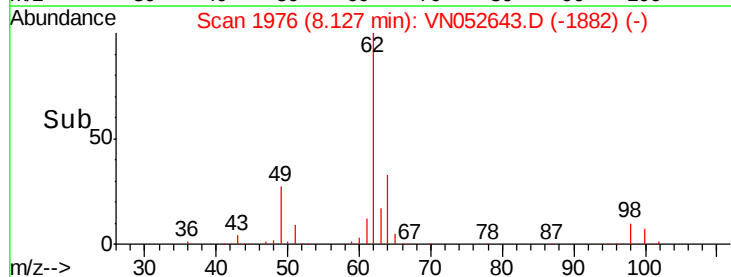
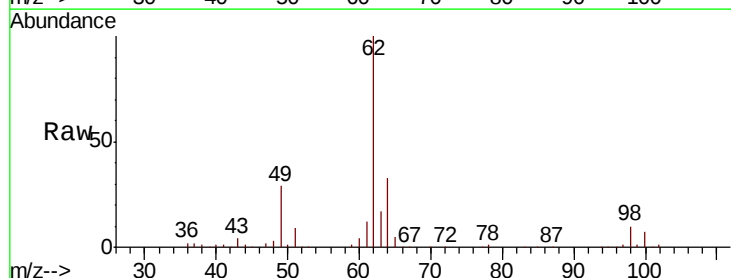
Acq: 3 Dec 2018 20:30

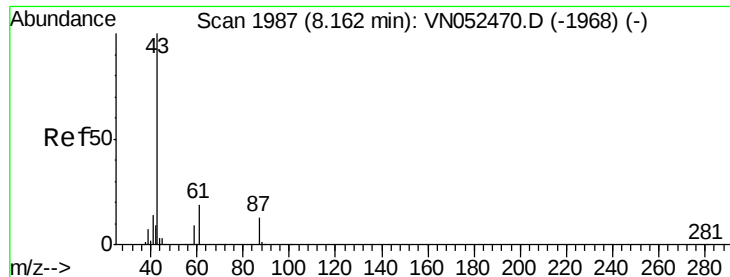
Tgt Ion: 62 Resp: 644668

Ion Ratio Lower Upper

62 100

98 9.6 0.0 18.6





#43

Isopropyl Acetate

Concen: 56.079 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

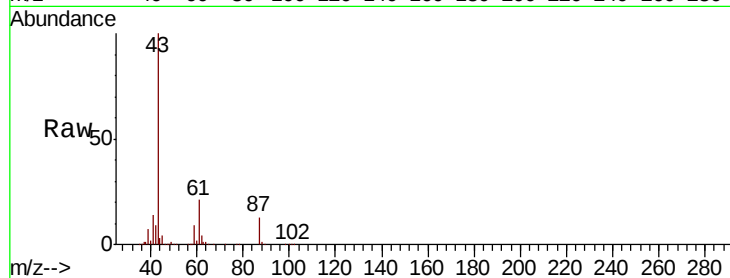
ClientSampleId :

VSTDCCC050EC

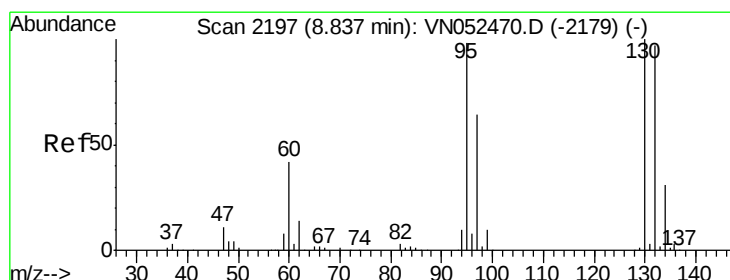
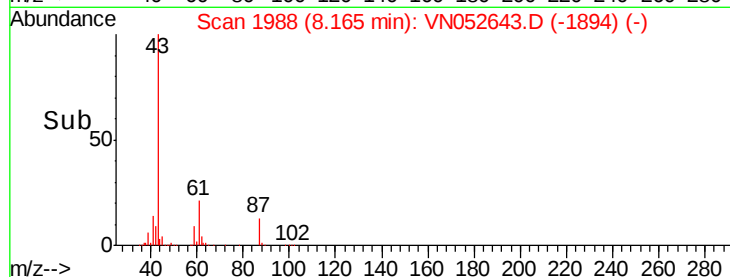
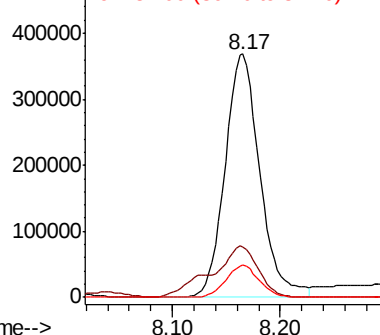
Tot Ion:	43	Resp:	821614
Ion	Ratio	Lower	Upper
43	100		
61	20.3	24.1	36.1#
87	12.7	10.6	15.8

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)



#44

Trichloroethene

Concen: 50.267 ug/l

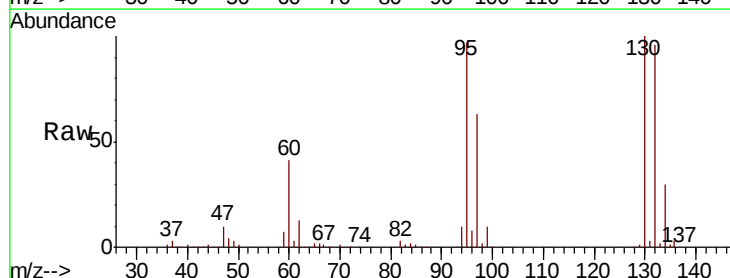
RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

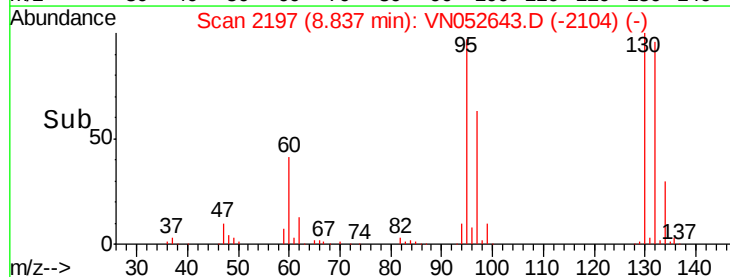
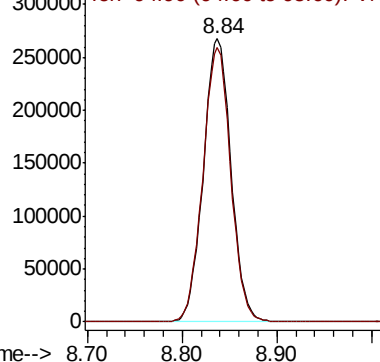
Lab File: VN052643.D

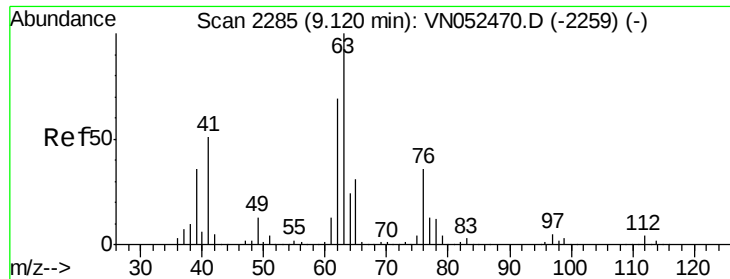
Acq: 3 Dec 2018 20:30

Tgt Ion:	130	Resp:	544344
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)





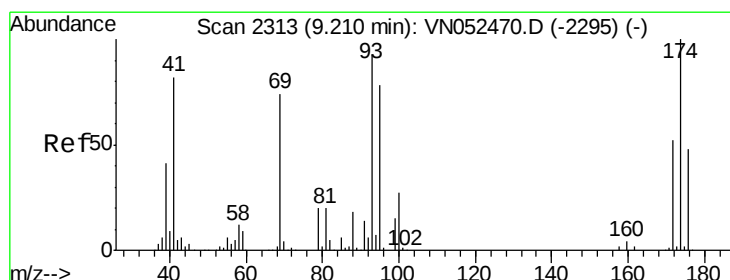
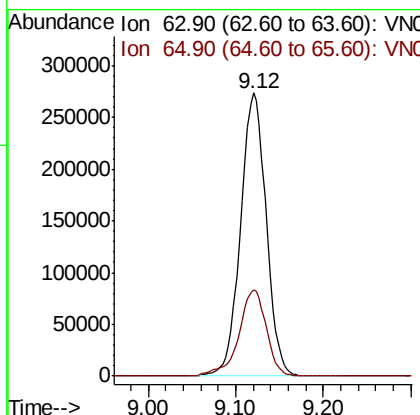
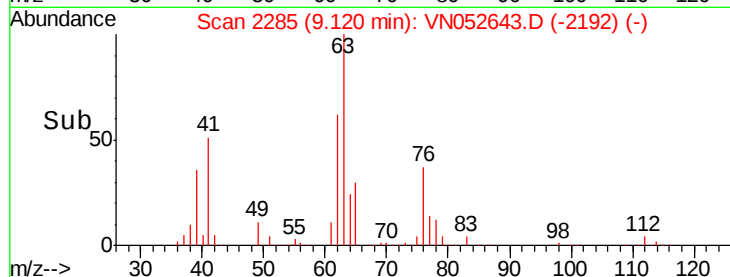
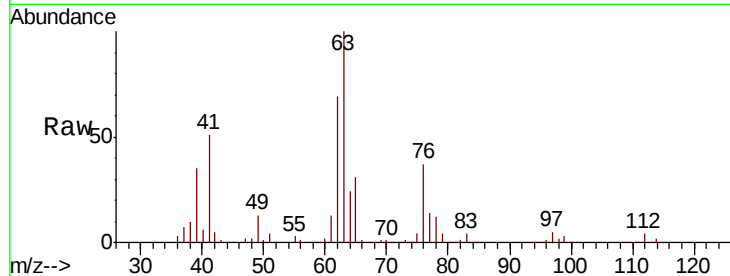
#45
 1,2-Dichloropropane
 Concen: 49.560 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 557034
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

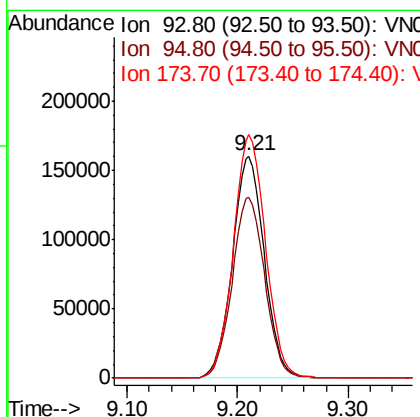
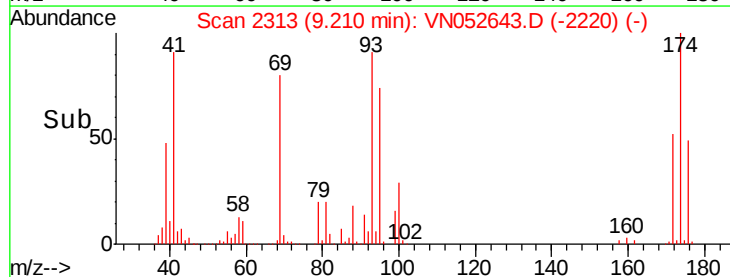
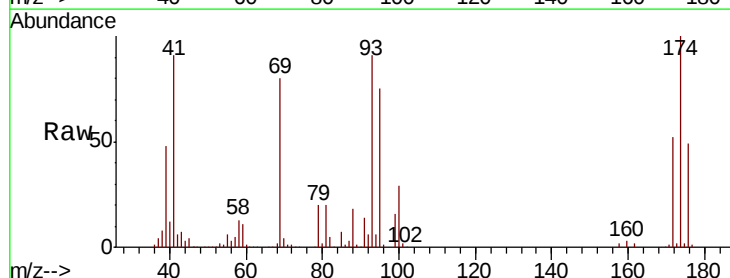
Manual Integrations
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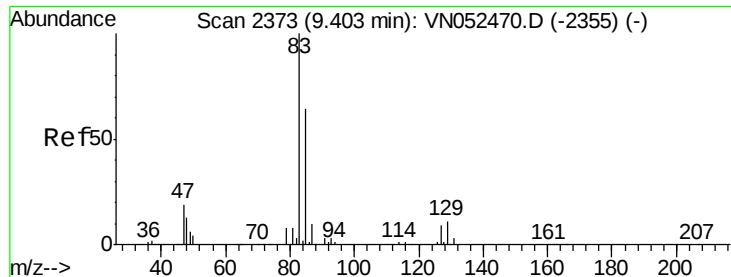
MMDadoda
 12/4/2018 2:57:08 PM



#46
 Dibromomethane
 Concen: 51.580 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion: 93 Resp: 320937
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.1 100.7
 174 110.8 85.8 128.8





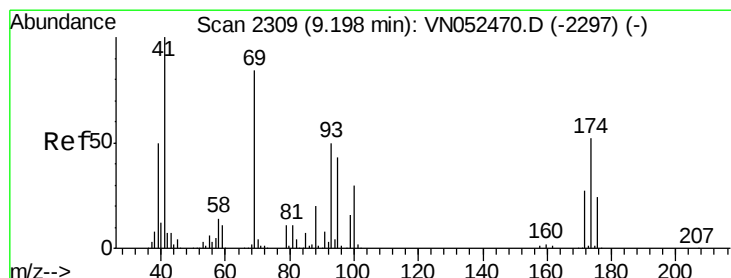
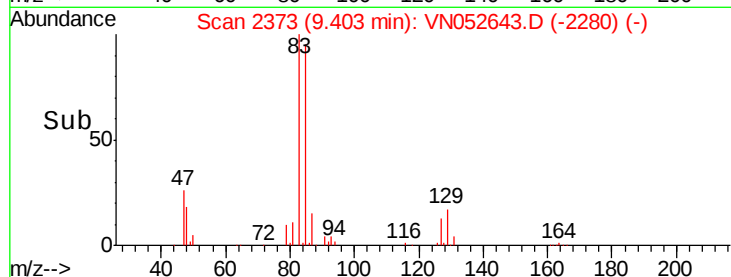
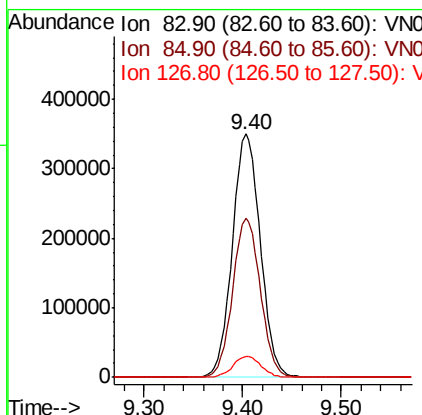
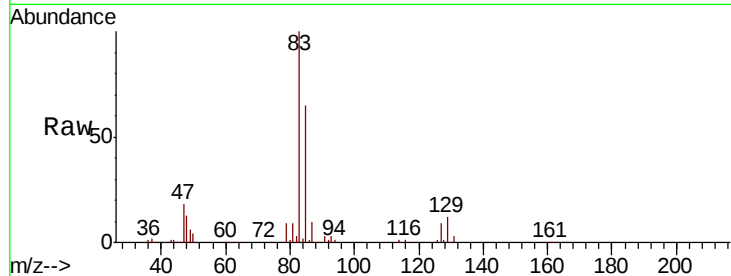
#47
Bromodichloromethane
Concen: 51.108 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.3	76.9
127	8.8	6.9	10.3

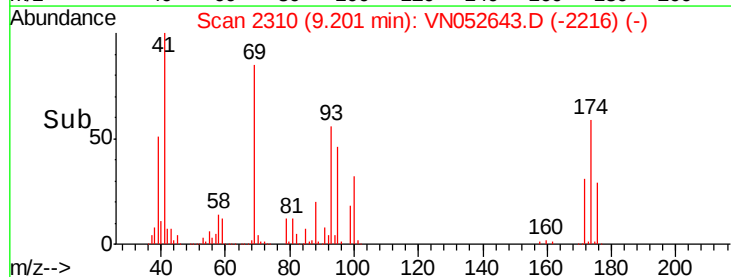
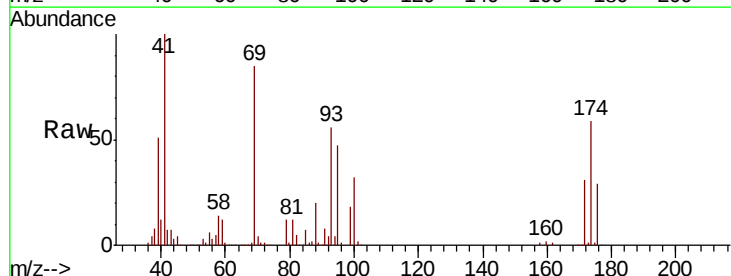
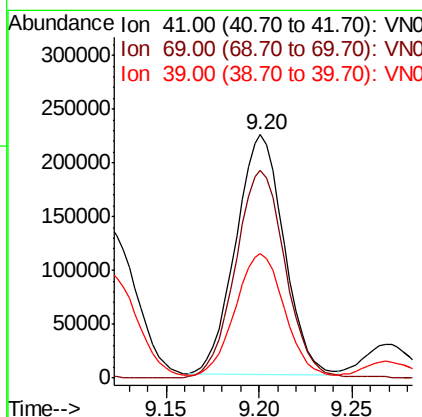
Manual Integrations
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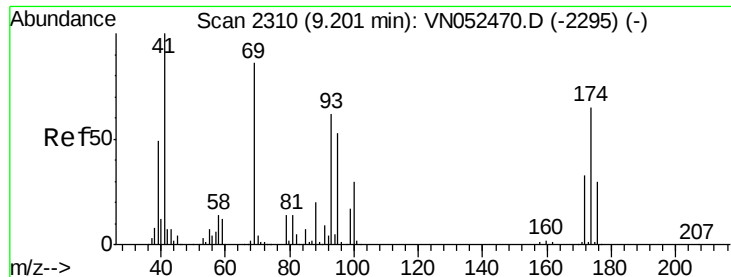
MMDadoda
12/4/2018 2:57:08 PM



#48
Methyl methacrylate
Concen: 52.872 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.0	70.0	105.0
39	53.7	42.6	64.0





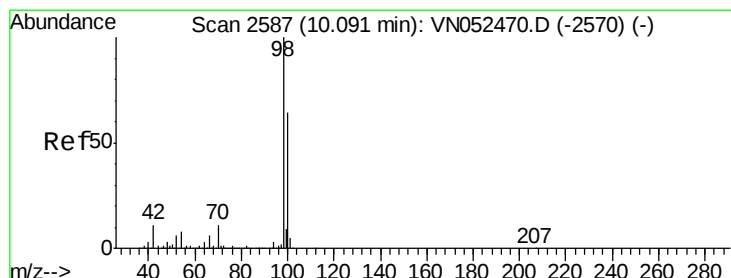
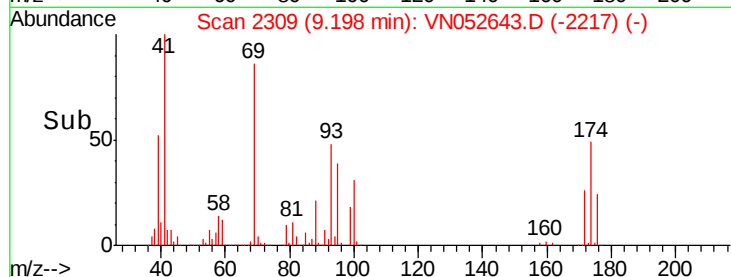
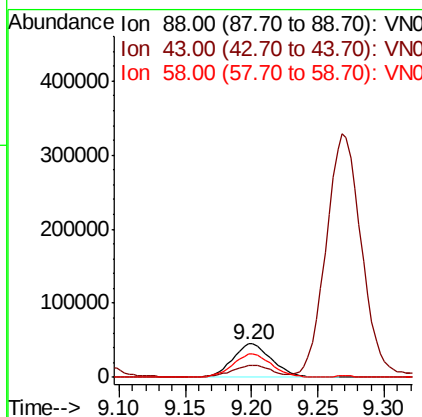
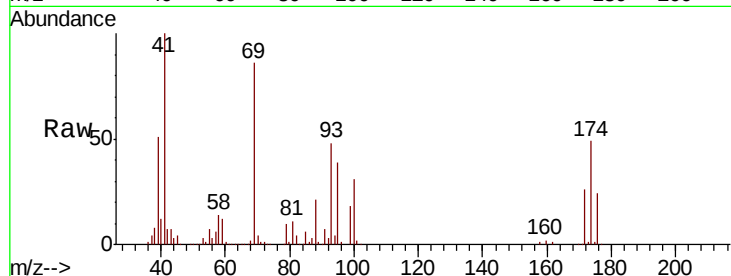
#49
1,4-Dioxane
Concen: 1167.600 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.4	39.6
58	70.2	55.4	83.0

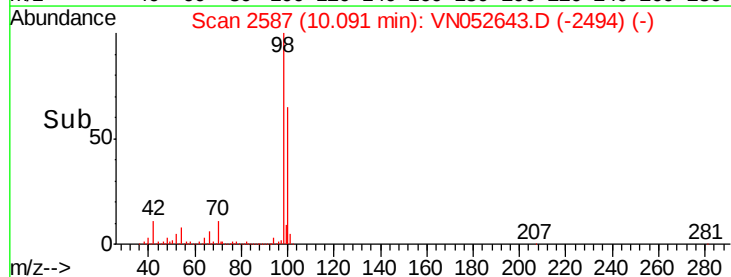
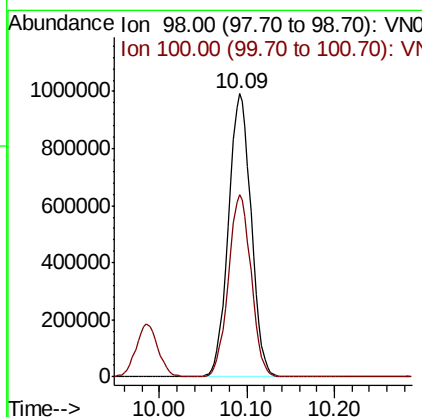
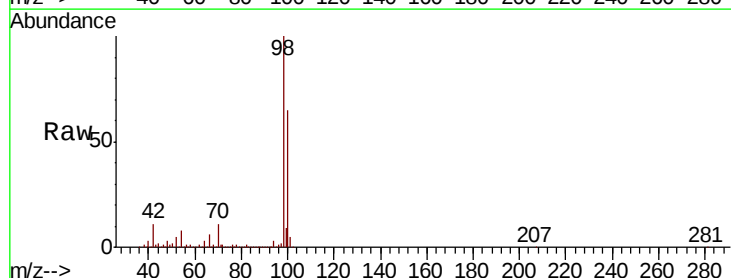
Manual Integrations
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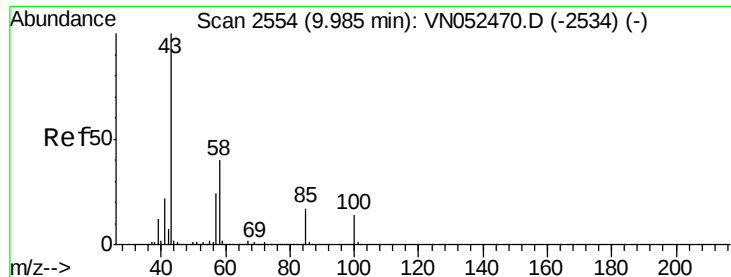
MMDadoda
12/4/2018 2:57:08 PM



#50
Toluene-d8
Concen: 1167.600 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 269.983 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2219338

Ion Ratio Lower Upper

43 100

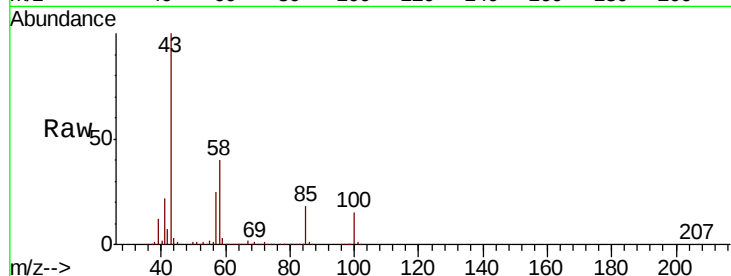
58 40.1 31.5 47.3

Manual Integrations

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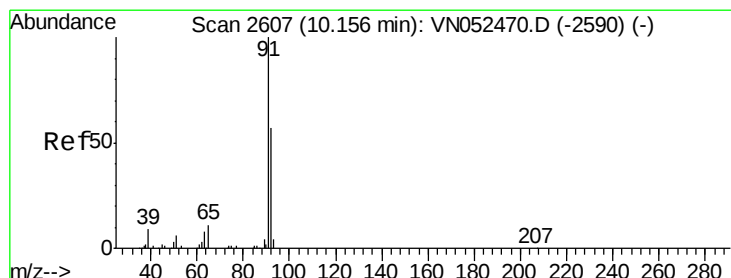
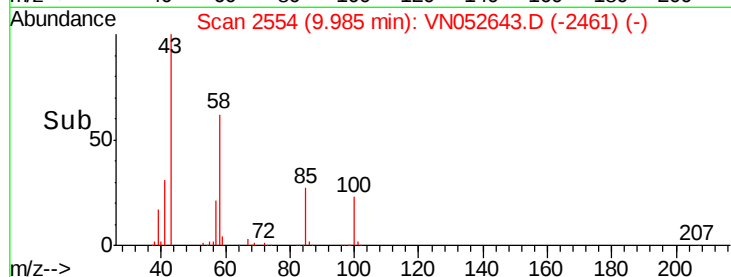
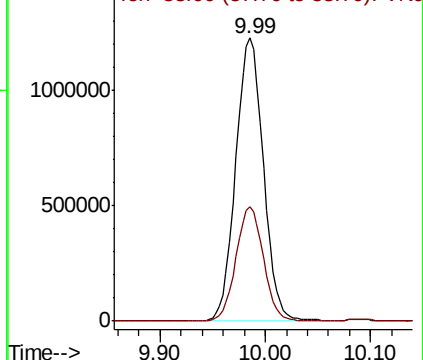
MMDadoda

12/4/2018 2:57:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.812 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052643.D

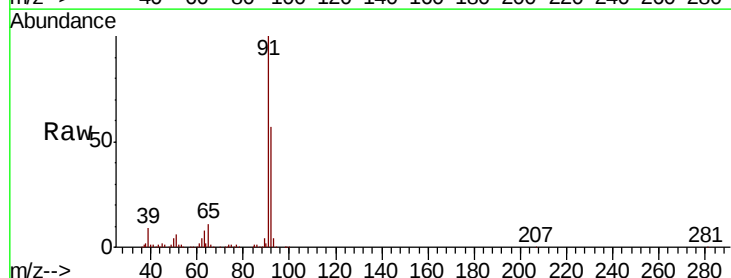
Acq: 3 Dec 2018 20:30

Tgt Ion: 92 Resp: 1276314

Ion Ratio Lower Upper

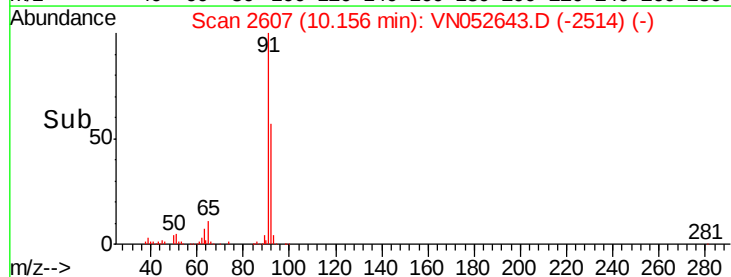
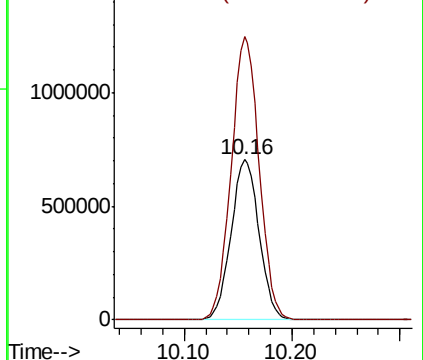
92 100

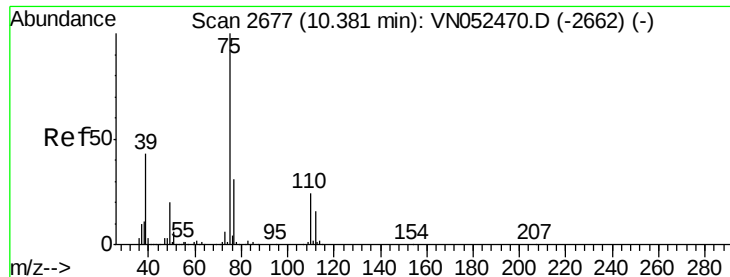
91 176.4 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 53.489 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 696117

Ion Ratio Lower Upper

75 100

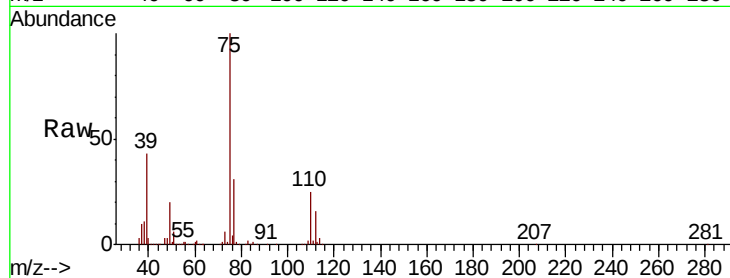
77 31.1 25.0 37.4

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

10.38

400000

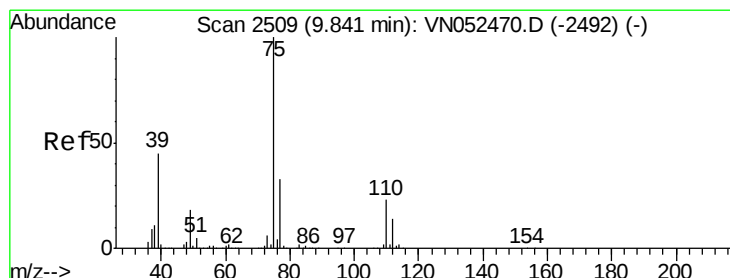
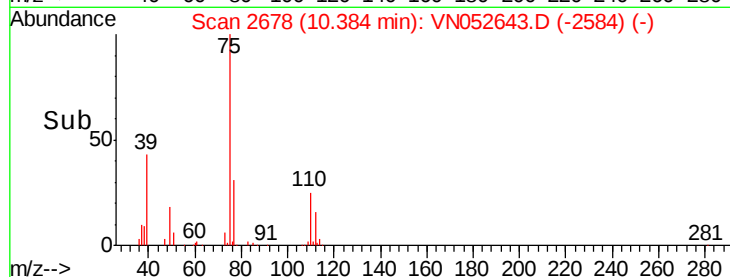
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.387 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

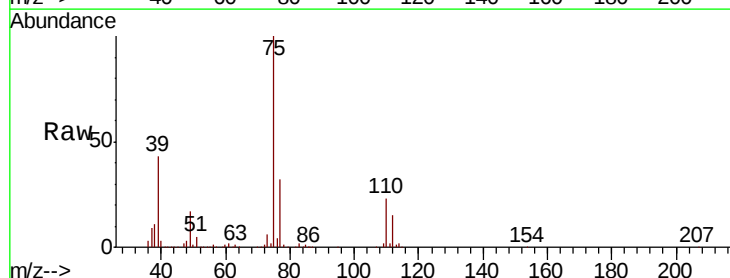
Tgt Ion: 75 Resp: 817013

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

39 43.3 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

9.84

600000

500000

400000

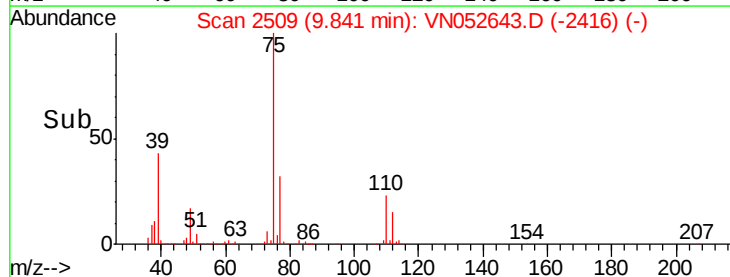
300000

200000

100000

0

Time-->





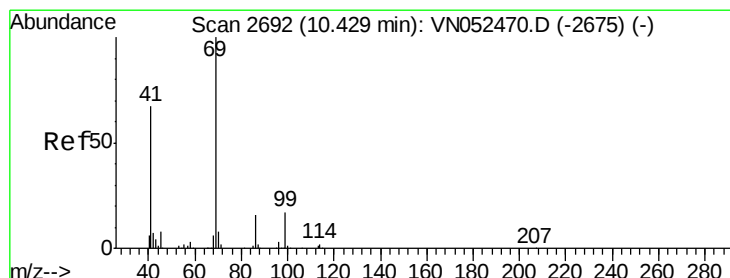
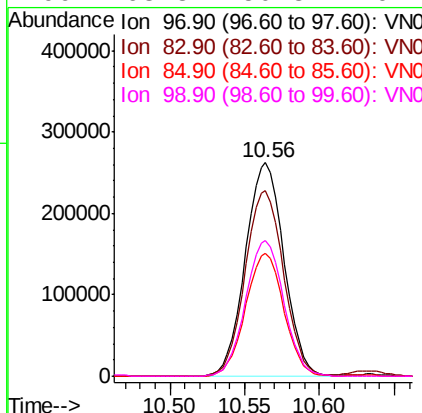
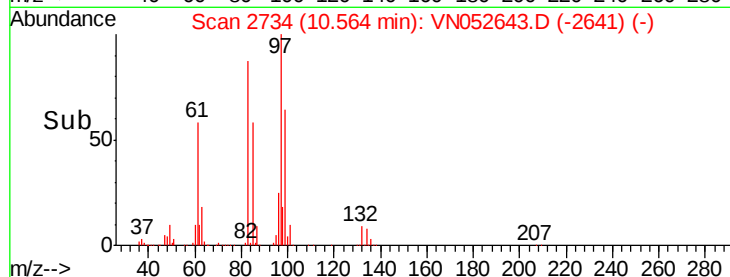
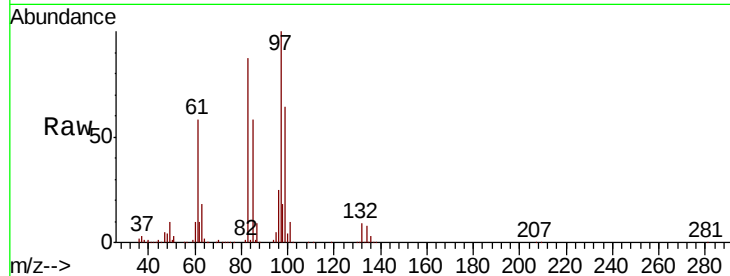
#55
 1,1,2-Trichloroethane
 Concen: 53.322 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	471123
Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.7	106.1
85	57.7	46.1	69.1
99	63.8	50.8	76.2

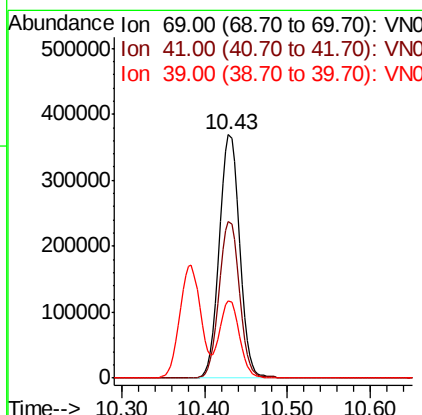
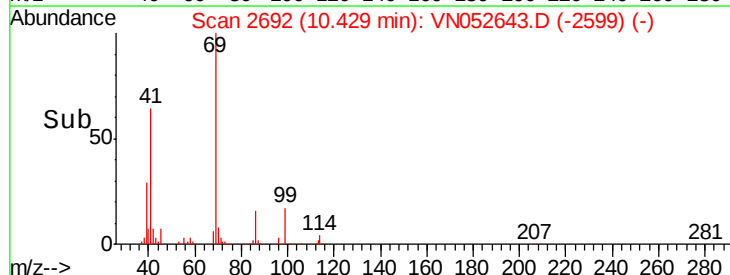
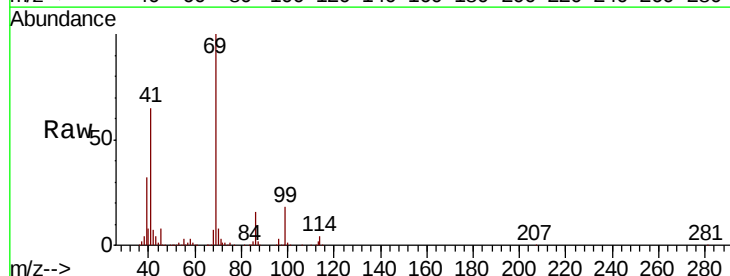
Manual Integrations
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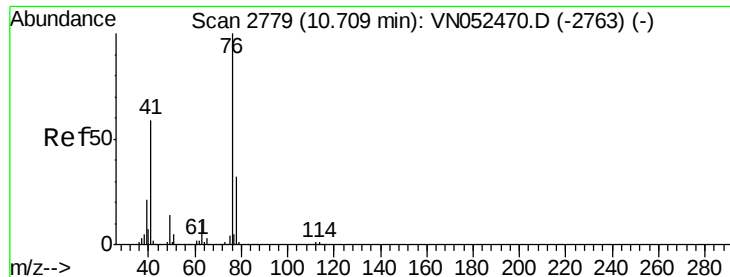
MMDadoda
 12/4/2018 2:57:08 PM



#56
 Ethyl methacrylate
 Concen: 50.900 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion:	69	Resp:	625119
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.6	79.0
39	31.5	25.9	38.9





#57

1,3-Dichloropropane

Concen: 51.452 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 802702

Ion Ratio Lower Upper

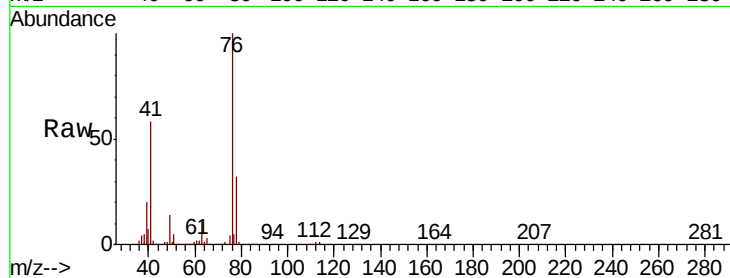
76 100

78 32.2 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

12/4/2018 2:57:08 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

500000

400000

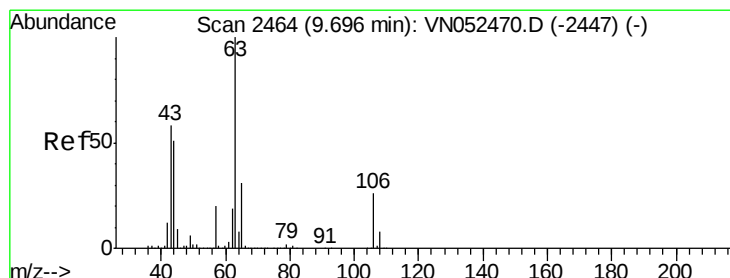
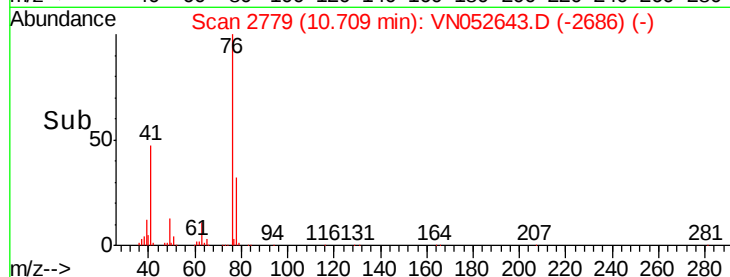
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 265.312 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052643.D

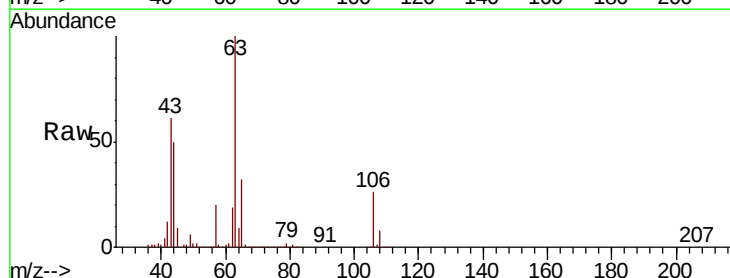
Acq: 3 Dec 2018 20:30

Tgt Ion: 63 Resp: 1700971

Ion Ratio Lower Upper

63 100

106 26.2 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

1000000

800000

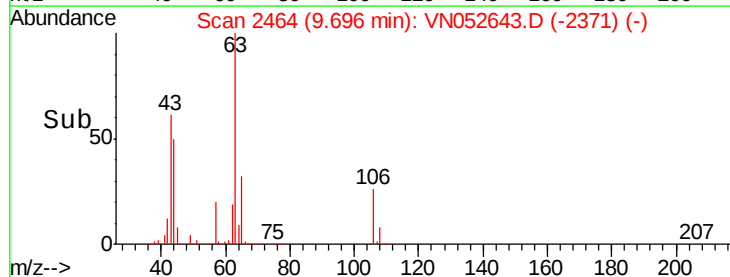
600000

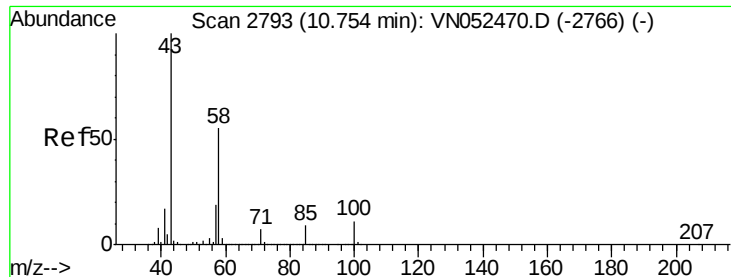
400000

200000

0

Time--> 9.60 9.70 9.80





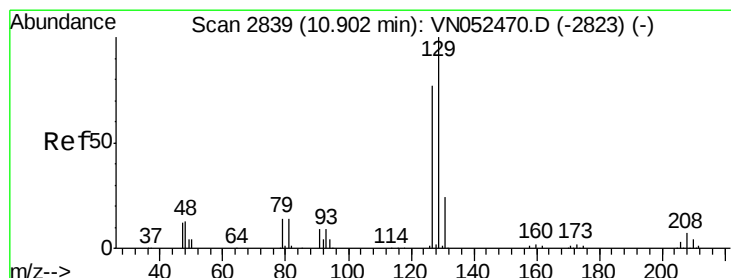
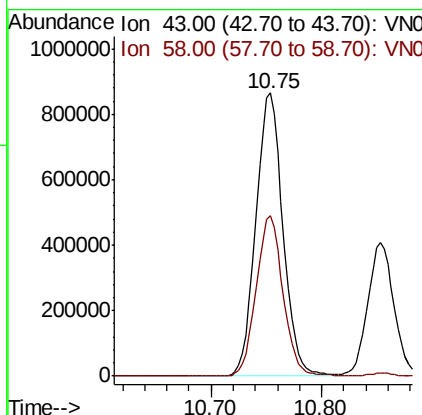
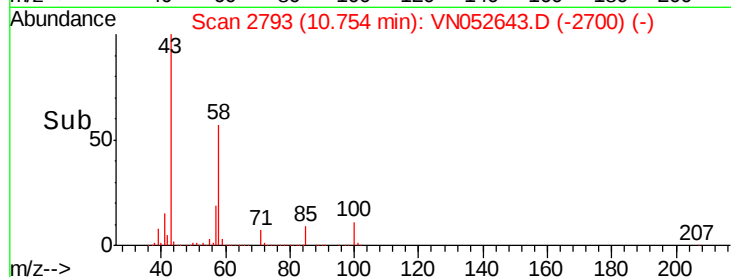
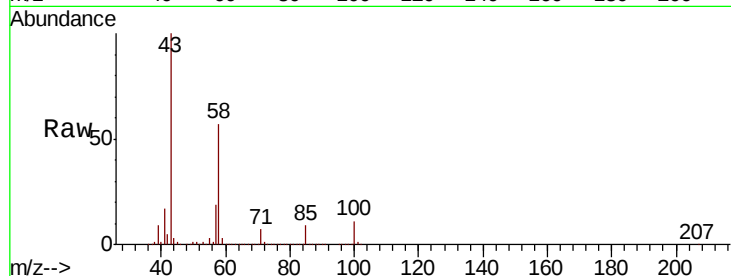
#59
2-Hexanone
Concen: 266.240 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1468861
Ion Ratio Lower Upper
43 100
58 56.2 27.4 82.0

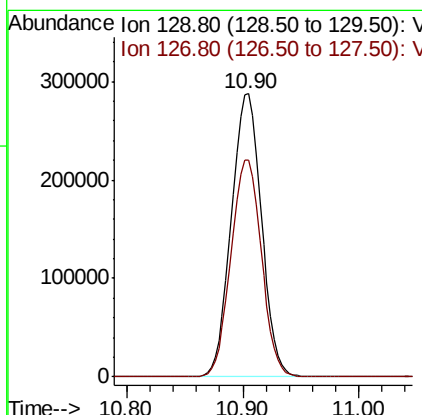
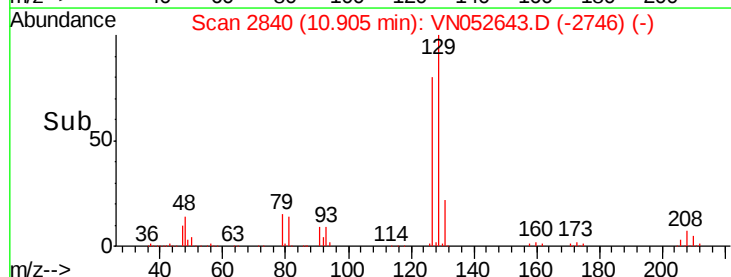
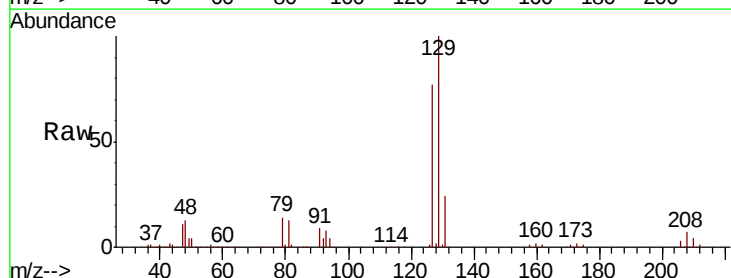
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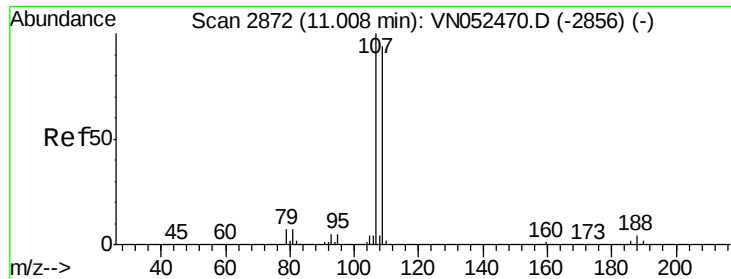
MMDadoda
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#60
Dibromochloromethane
Concen: 53.793 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion: 129 Resp: 516209
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6





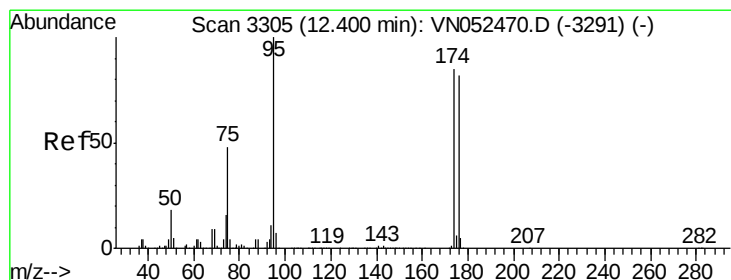
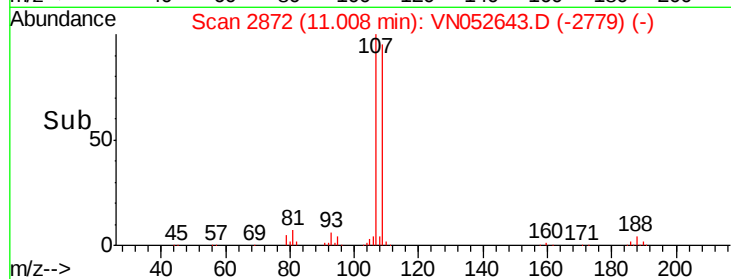
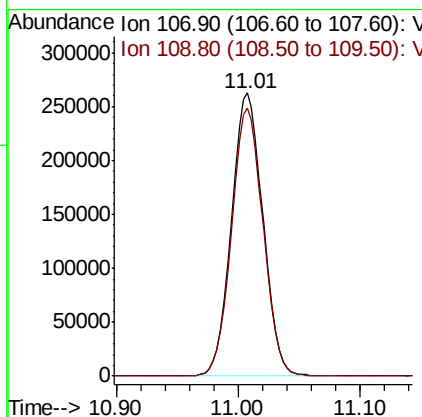
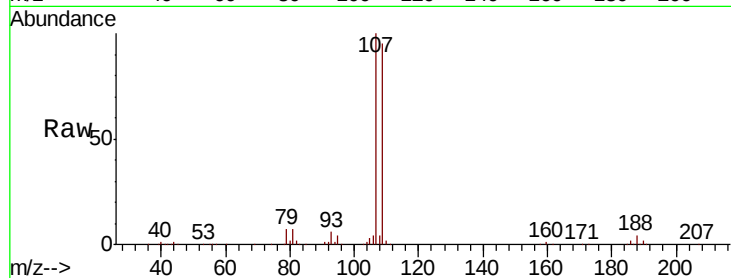
#61
 1,2-Dibromoethane
 Concen: 53.429 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.6	113.4

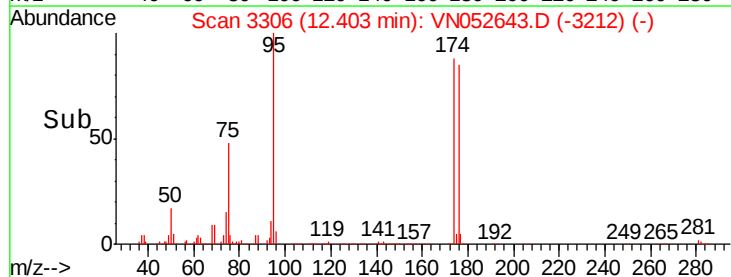
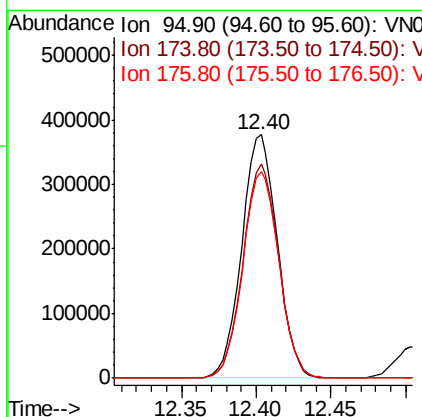
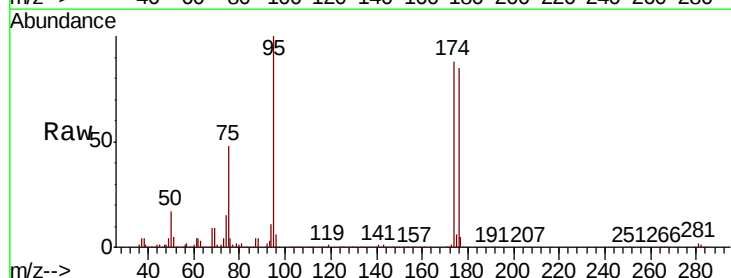
Manual Integrations
 APPROVED

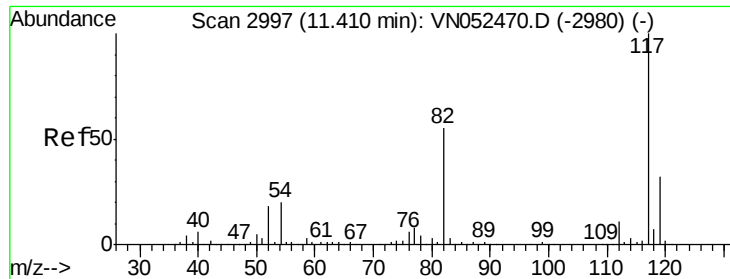
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 53.429 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.3	0.0	173.0
176	86.2	0.0	166.2





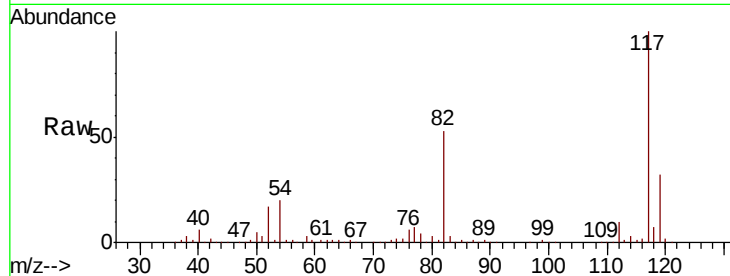
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

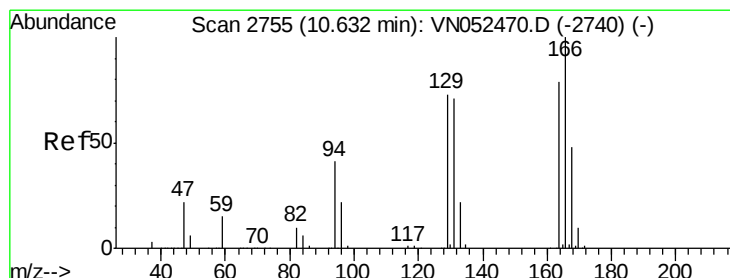
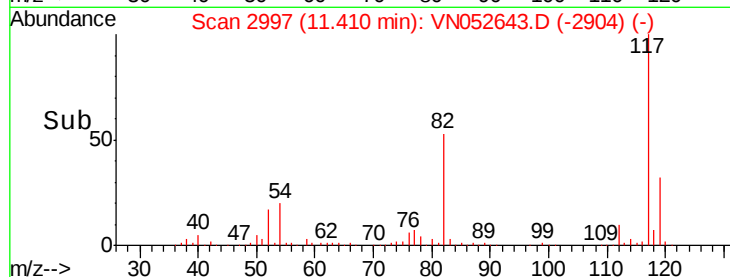
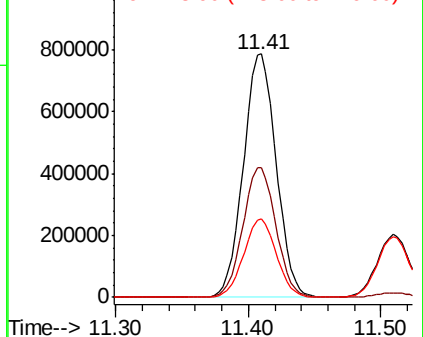
Tot Ion:117 Resp: 1351898
Ion Ratio Lower Upper
117 100
82 53.4 43.6 65.4
119 32.3 25.4 38.2

Manual Integrations
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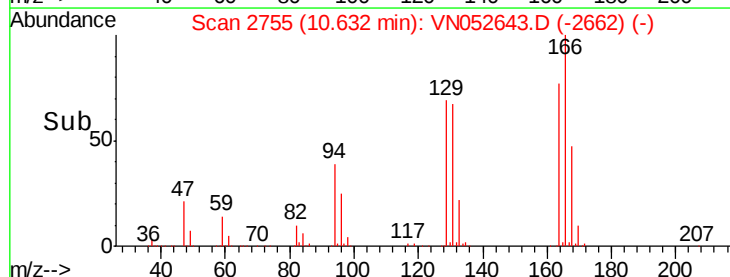
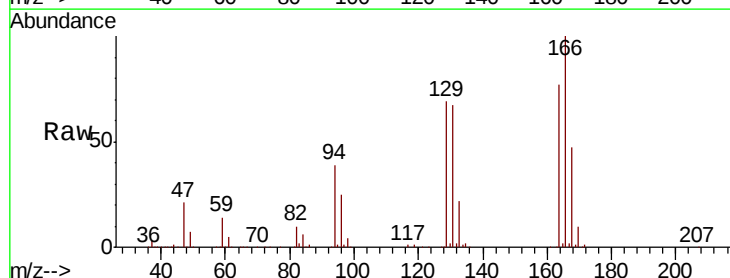
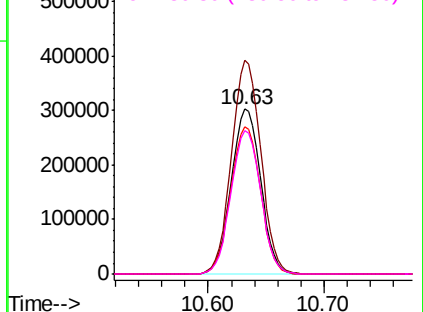
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.808 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion:164 Resp: 532550
Ion Ratio Lower Upper
164 100
166 129.5 101.0 151.4
129 89.2 73.8 110.6
131 87.0 71.2 106.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.708 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 1413548

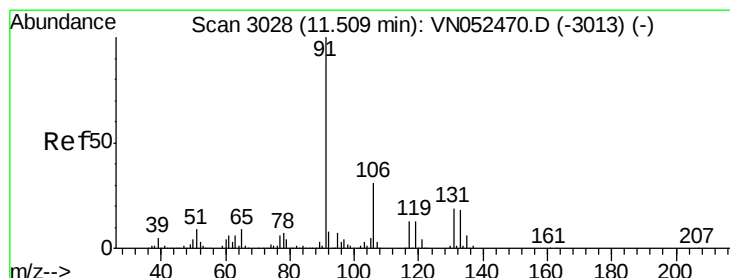
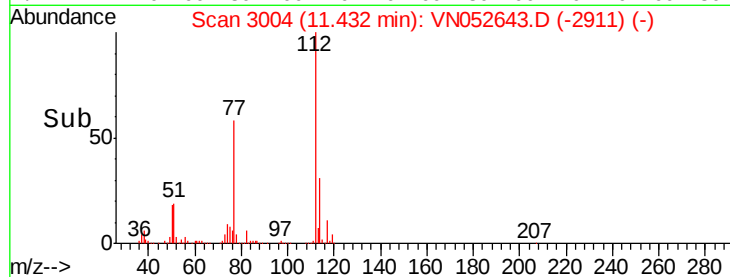
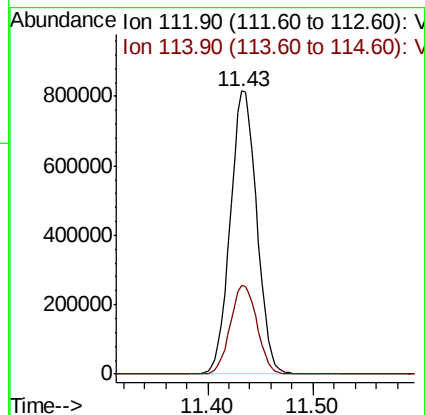
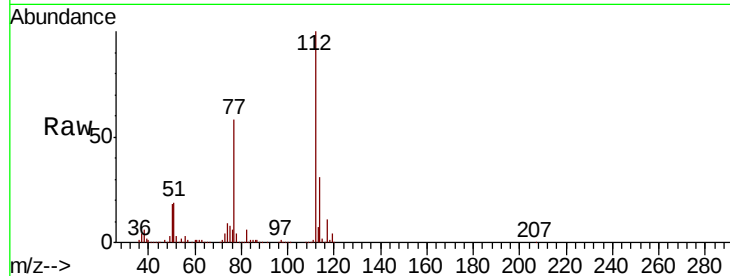
Ion Ratio Lower Upper

112 100

114 31.3 25.8 38.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 51.723 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

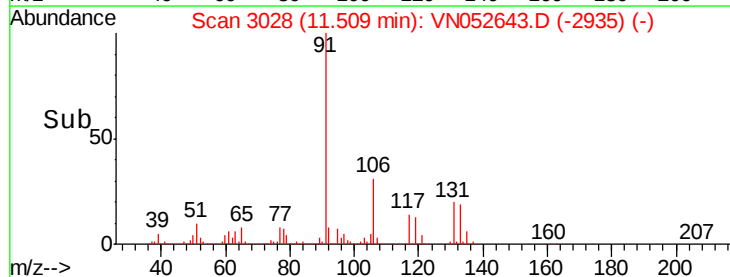
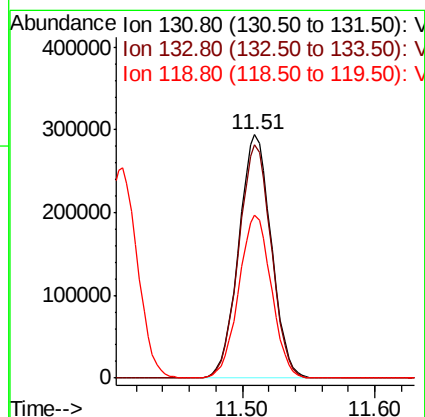
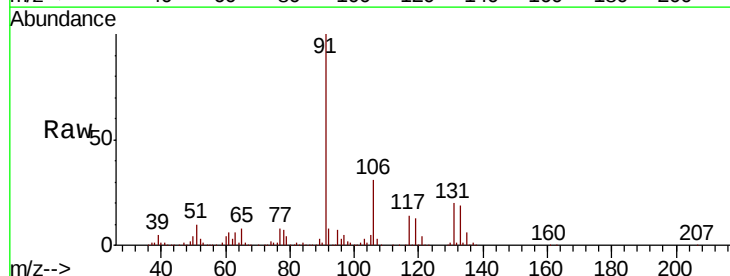
Tgt Ion:131 Resp: 501330

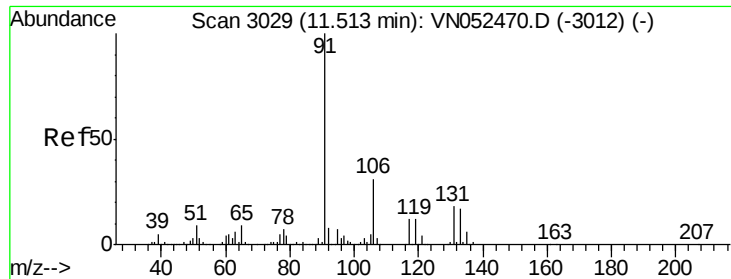
Ion Ratio Lower Upper

131 100

133 96.0 47.6 142.8

119 66.9 33.2 99.6





#67

Ethyl Benzene

Concen: 50.720 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2475947

Ion Ratio Lower Upper

91 100

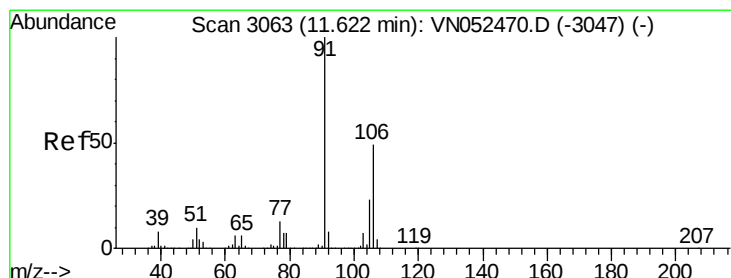
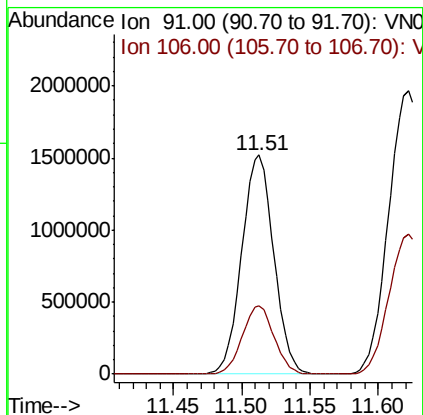
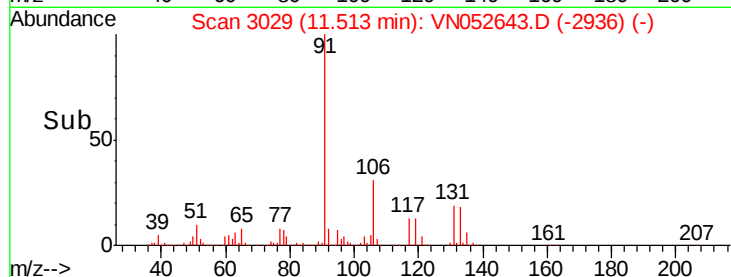
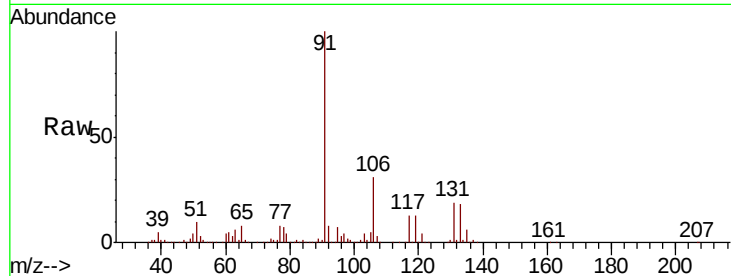
106 31.3 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.676 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052643.D

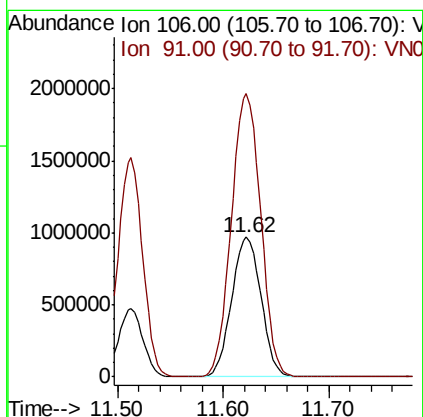
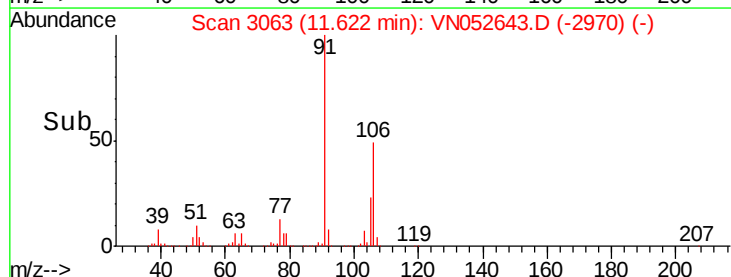
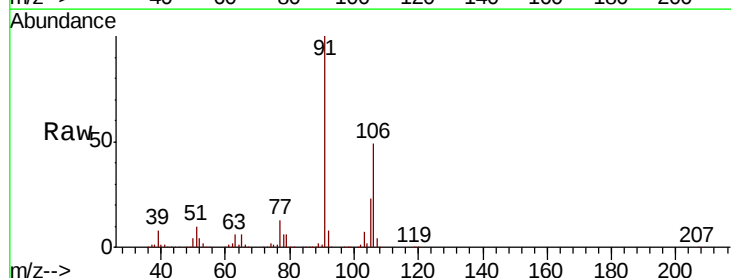
Acq: 3 Dec 2018 20:30

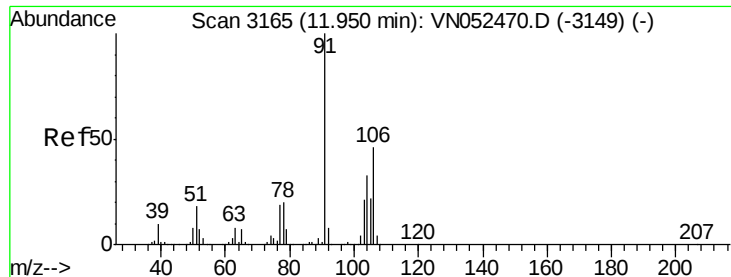
Tgt Ion: 106 Resp: 1865923

Ion Ratio Lower Upper

106 100

91 203.3 163.2 244.8





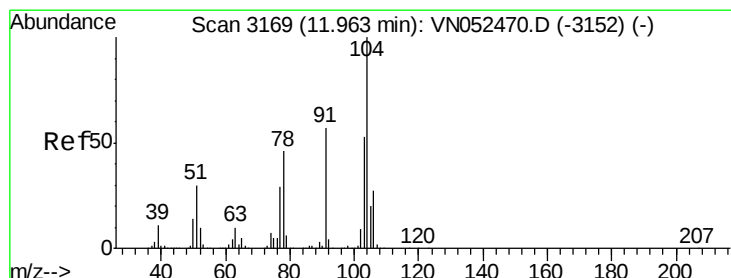
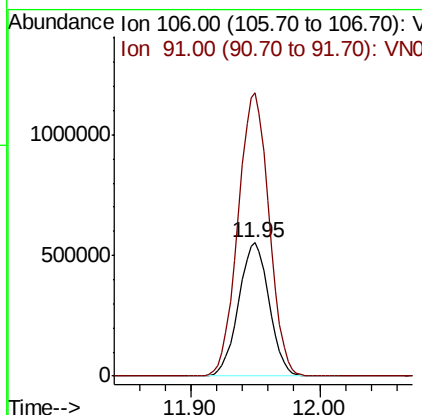
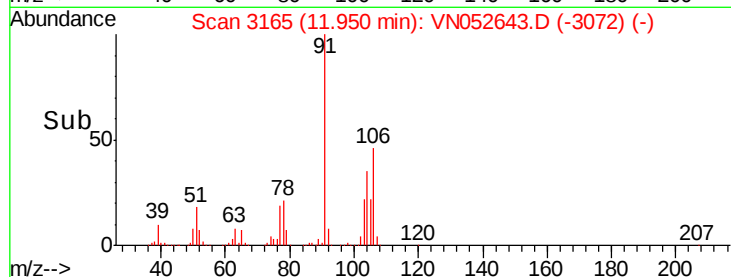
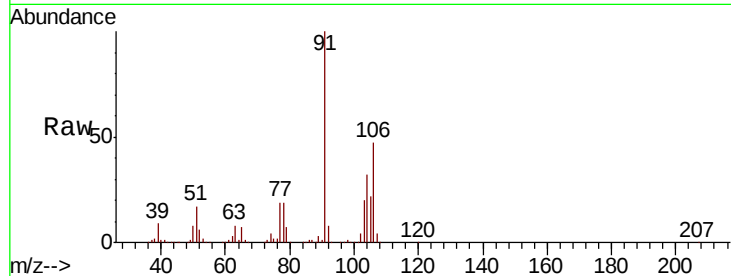
#69
o-Xylene
Concen: 51.600 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.2	107.7	323.1	

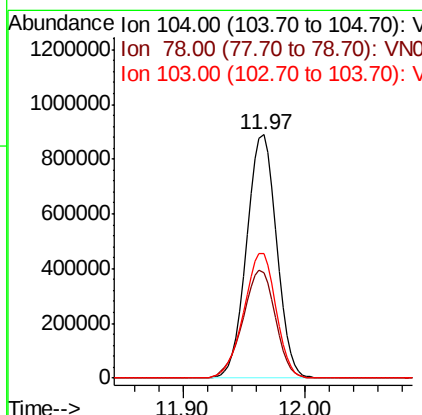
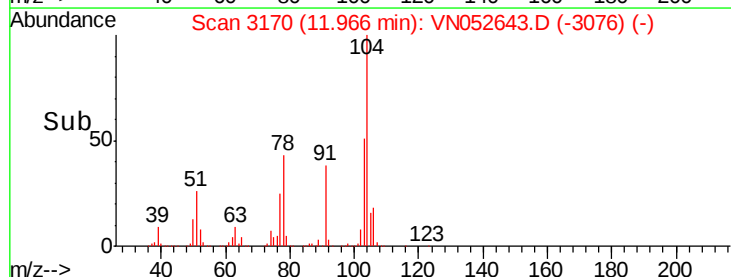
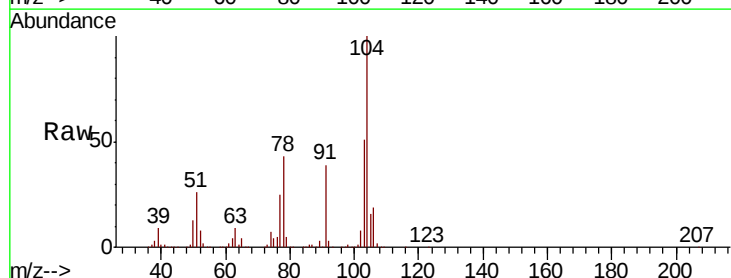
Manual Integrations
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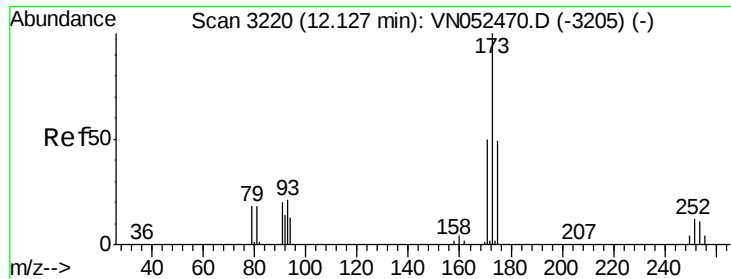
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#70
Styrene
Concen: 53.312 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.5	39.4	59.2	
103	55.3	44.9	67.3	





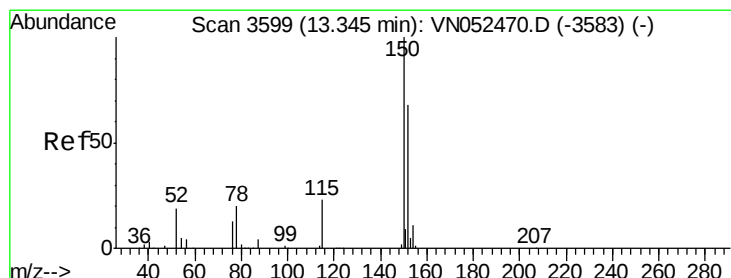
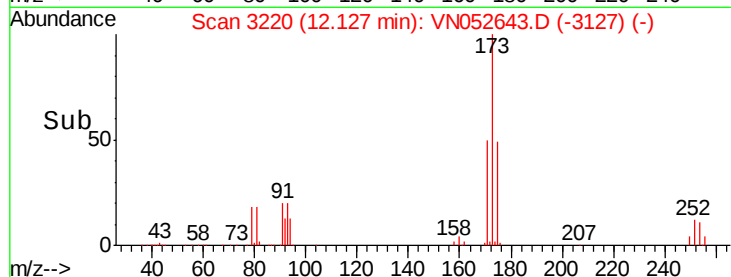
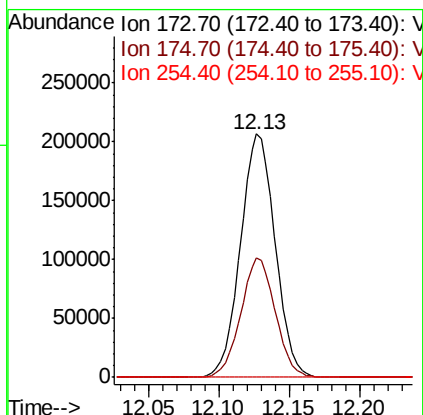
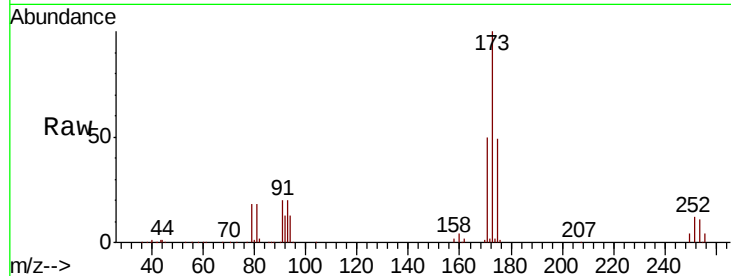
#71
Bromoform
Concen: 55.577 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

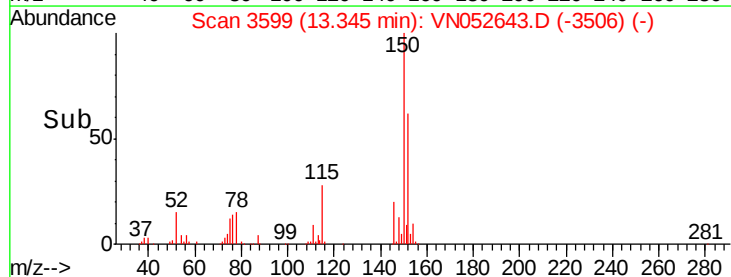
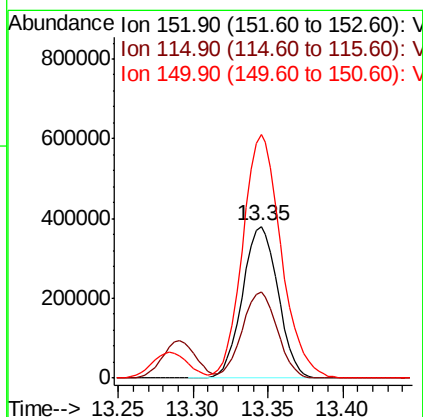
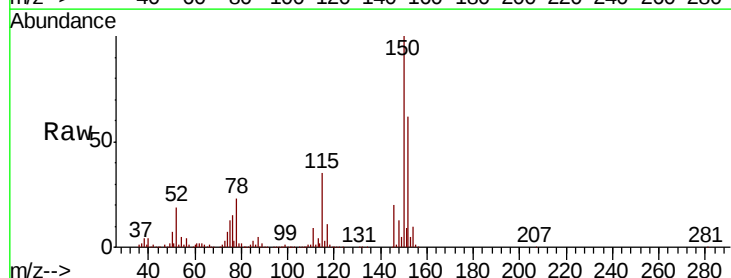
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.4	85.2
150	173.1	0.0	346.0





#73

Isopropylbenzene

Concen: 49.456 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2448759

Ion Ratio Lower Upper

105 100

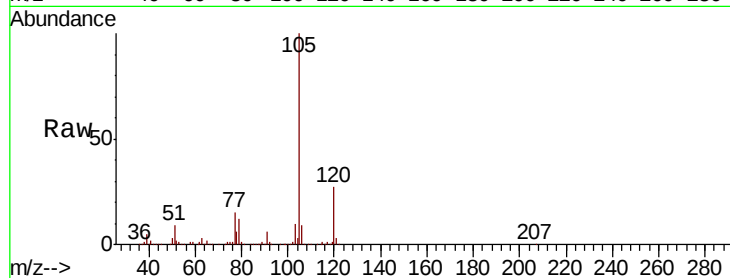
120 26.3 13.1 39.3

Manual Integrations

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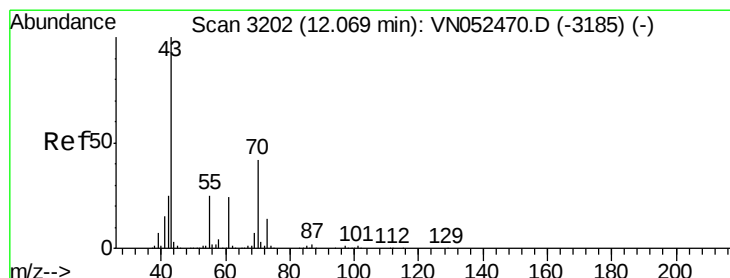
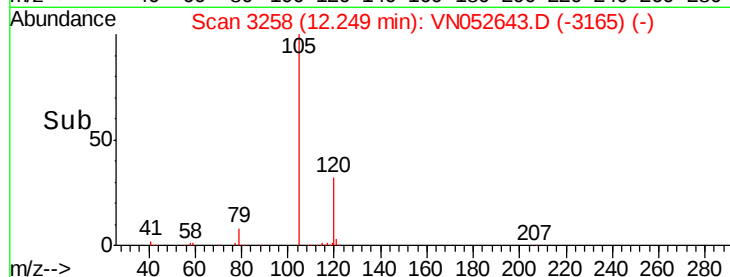
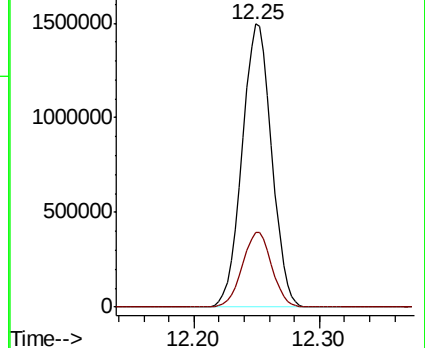
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.978 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Tgt Ion: 43 Resp: 687739

Ion Ratio Lower Upper

43 100

70 42.5 33.8 50.8

55 25.1 20.0 30.0

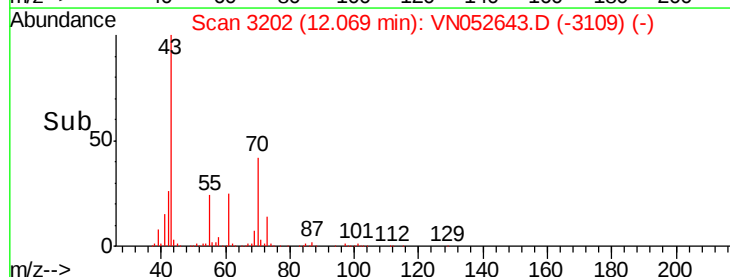
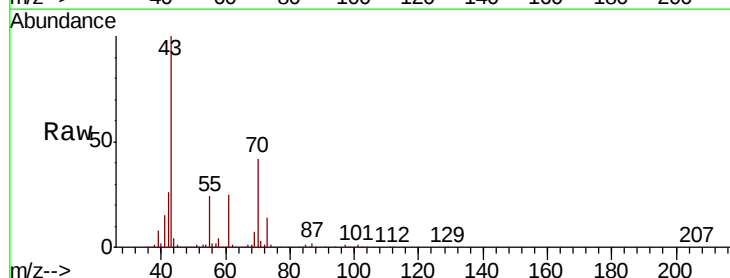
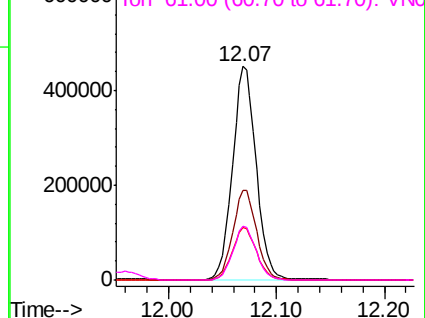
61 25.0 19.7 29.5

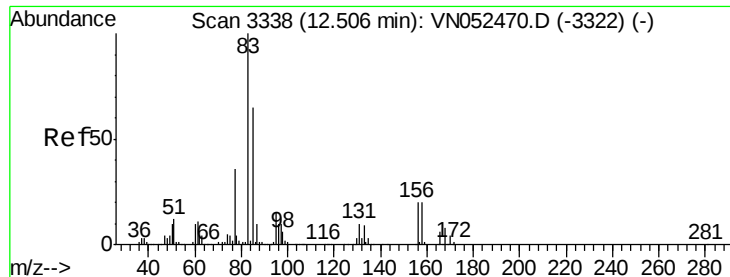
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.944 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

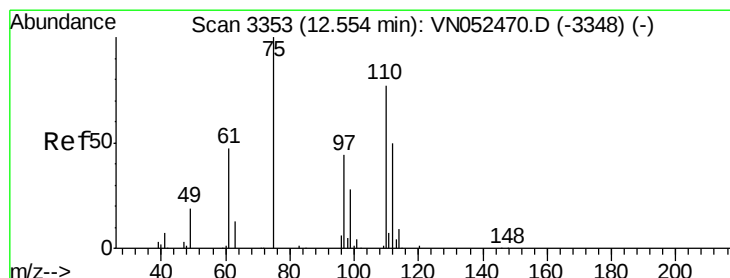
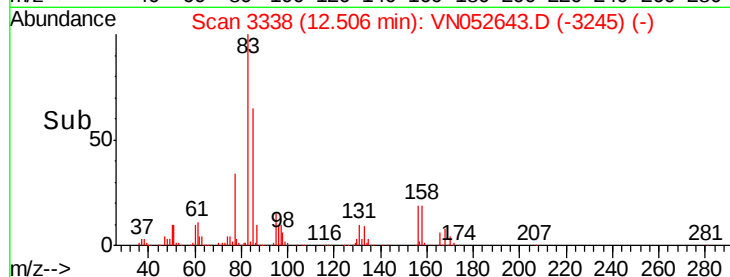
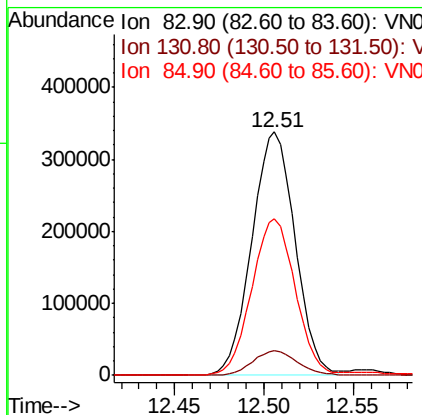
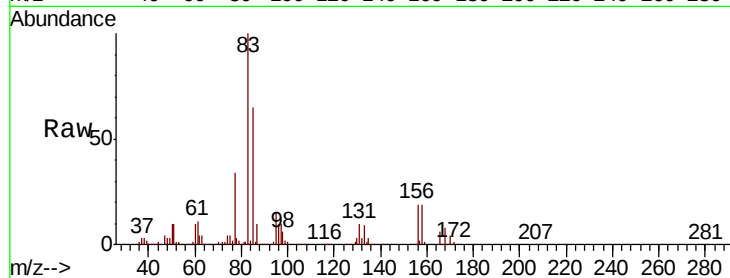
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	573811
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	64.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.017 ug/l m

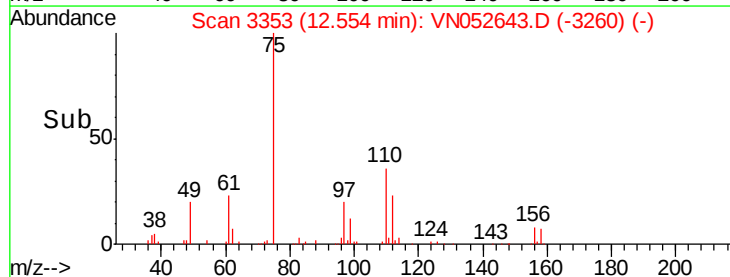
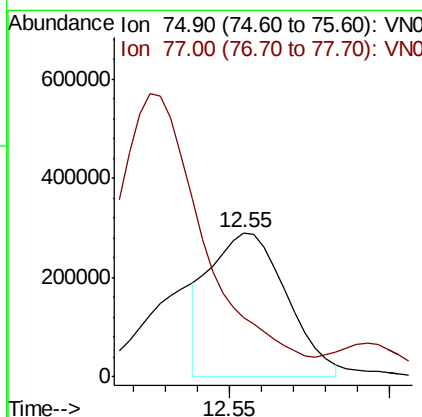
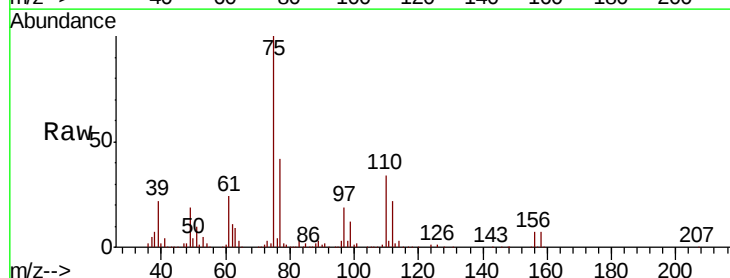
RT: 12.55 min Scan# 3353

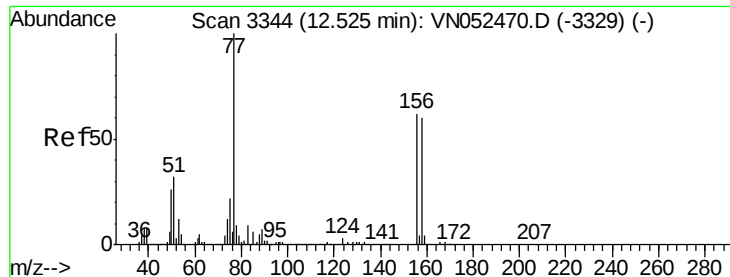
Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Tgt Ion:	75	Resp:	486765
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.021 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

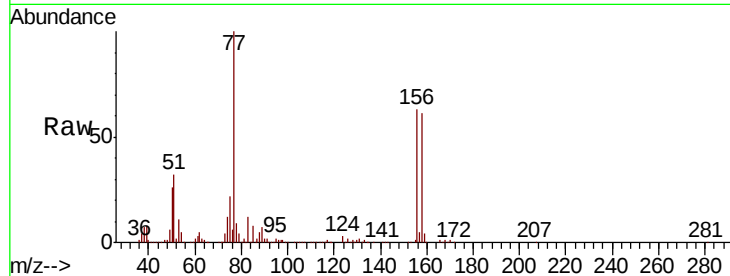
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	612186
Ion Ratio	Lower	Upper	
156	100		
77	185.3	93.5	280.4
158	97.7	48.3	144.9

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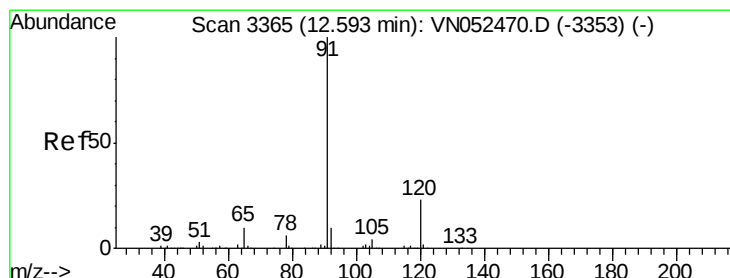
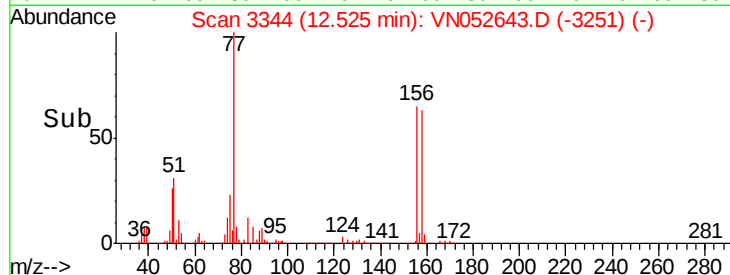
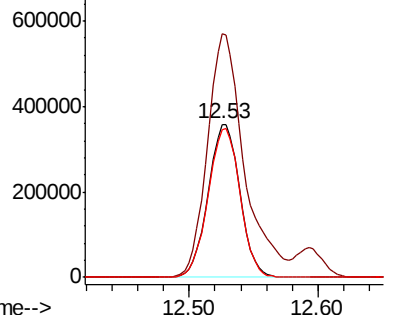
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.473 ug/l

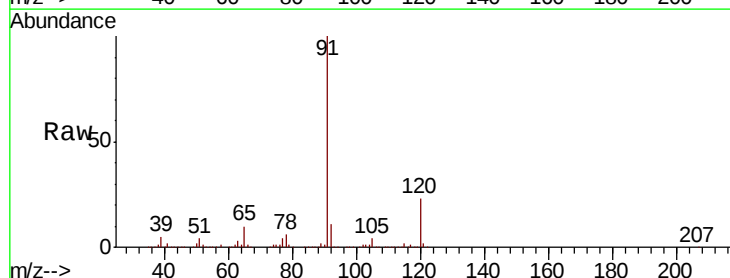
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052643.D

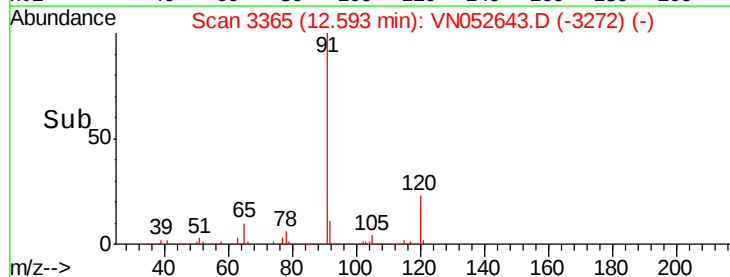
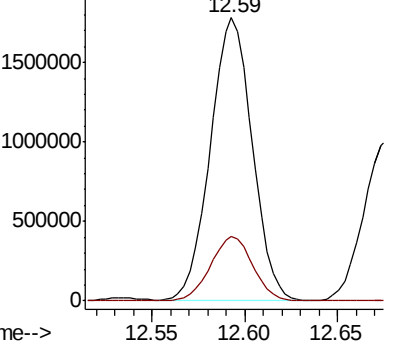
Acq: 3 Dec 2018 20:30

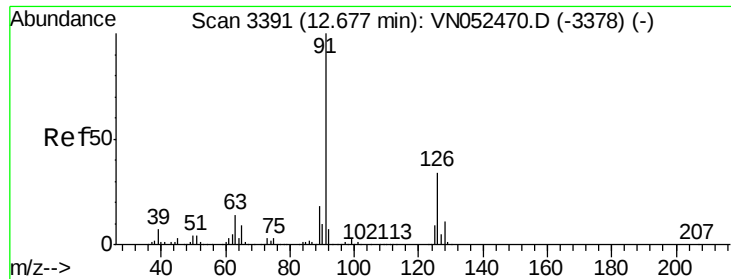
Tgt Ion:	91	Resp:	2782889
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.260 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1650075

Ion Ratio Lower Upper

91 100

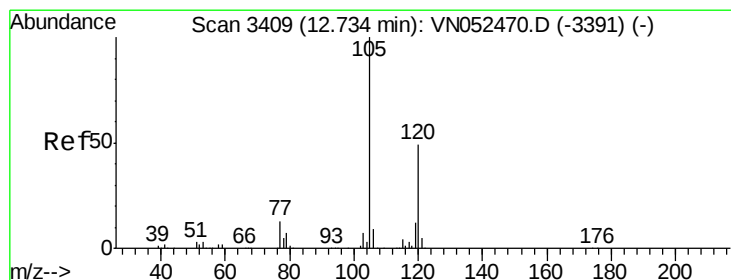
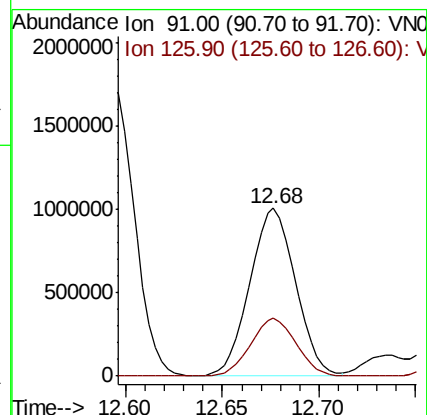
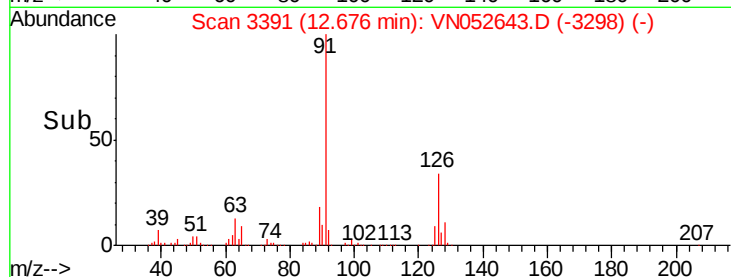
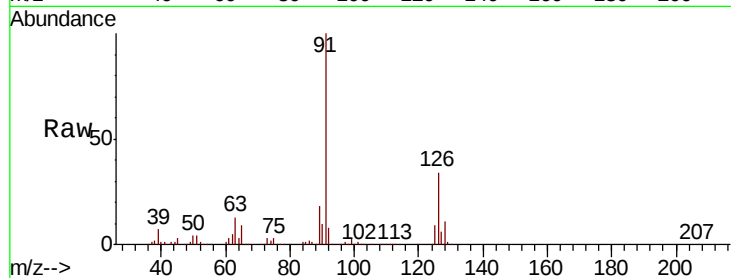
126 34.4 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 50.161 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052643.D

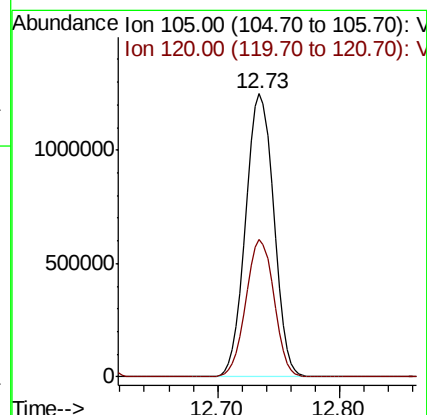
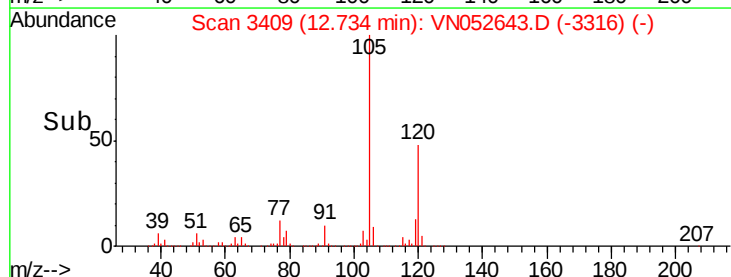
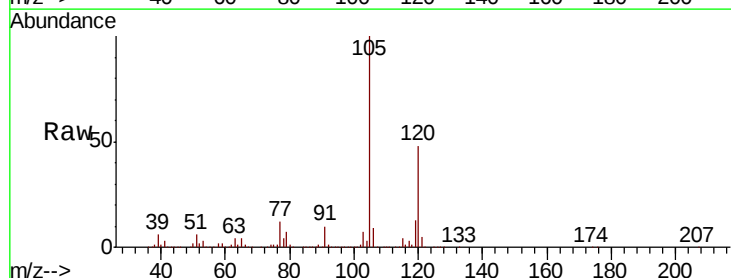
Acq: 3 Dec 2018 20:30

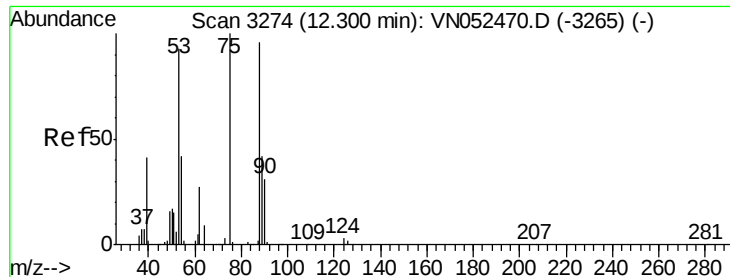
Tgt Ion: 105 Resp: 1980840

Ion Ratio Lower Upper

105 100

120 48.4 24.3 73.0





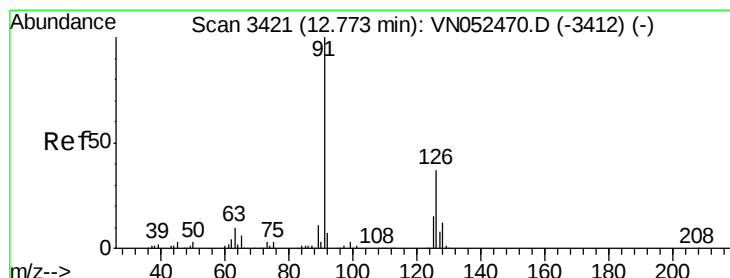
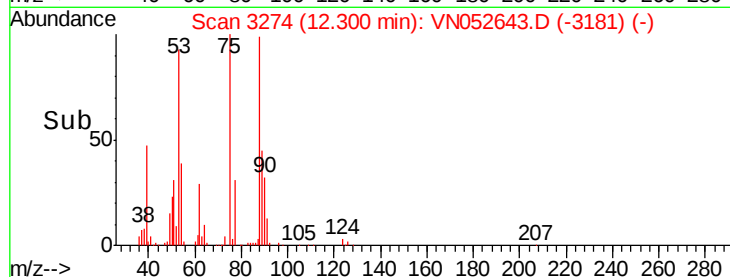
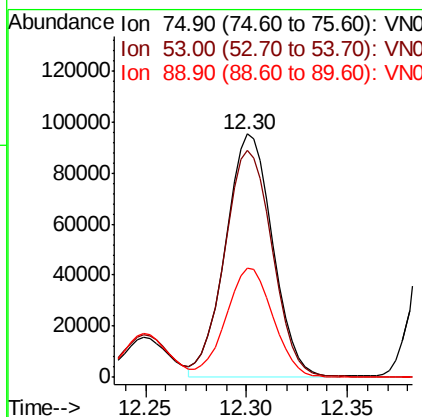
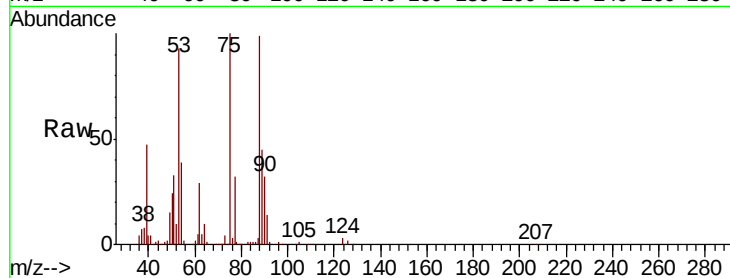
#81
trans-1,4-Dichloro-2-butene
Concen: 53.057 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.8	77.4	116.0
89	45.4	35.4	53.2

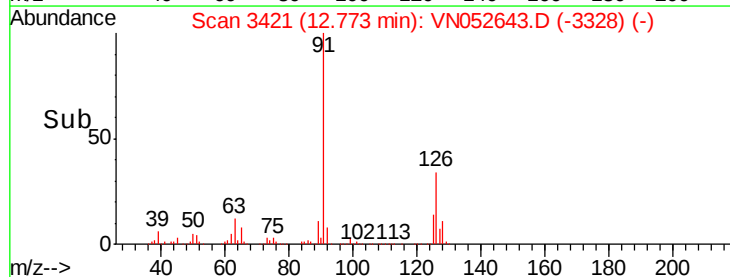
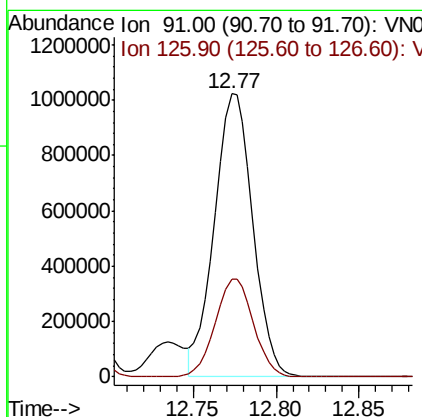
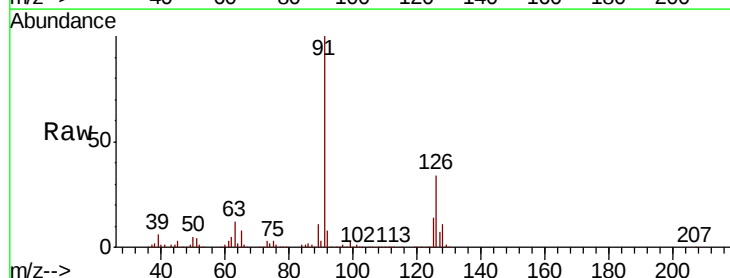
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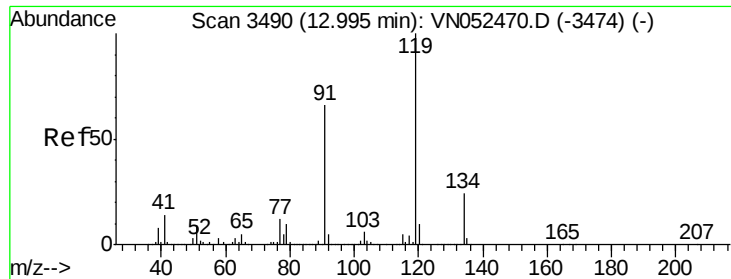
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#82
4-Chlorotoluene
Concen: 48.784 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.9	50.6





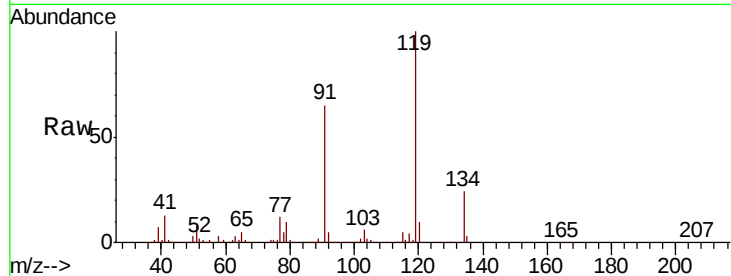
#83
 tert-Butylbenzene
 Concen: 49.498 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

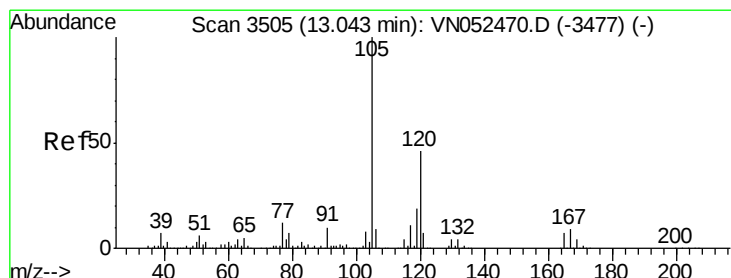
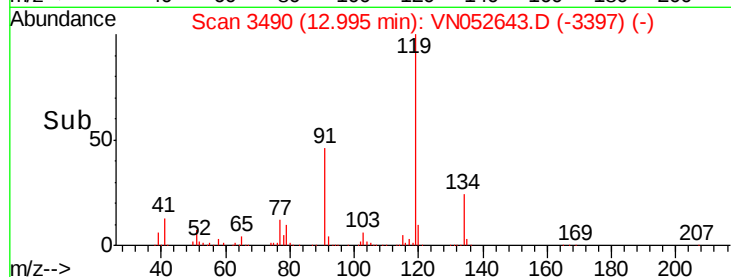
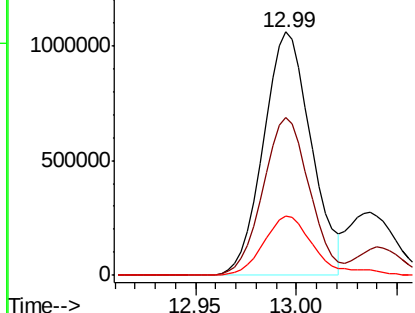
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	32.3	96.9
134	26.1	13.0	38.9

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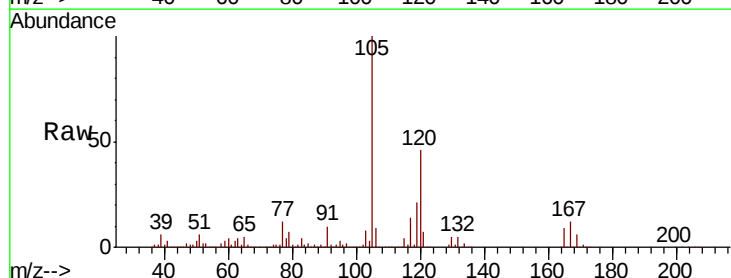


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

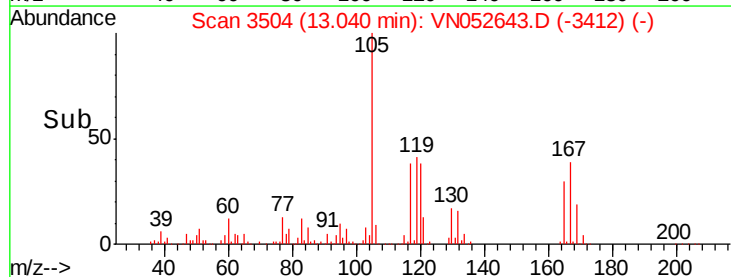
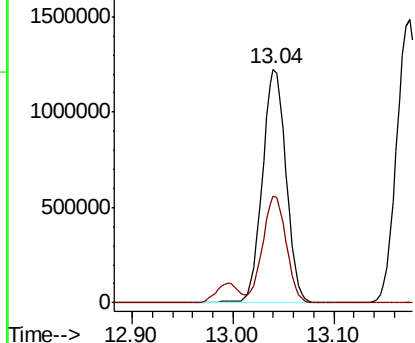


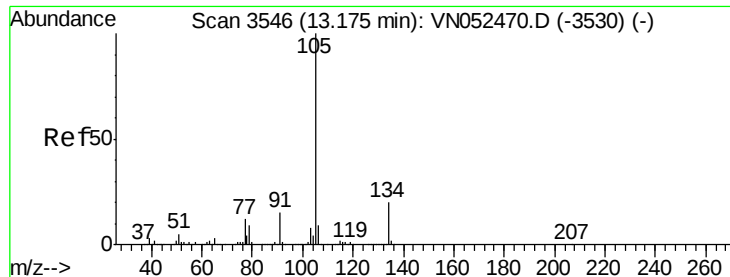
#84
 1,2,4-Trimethylbenzene
 Concen: 50.476 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.412 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2369310

Ion Ratio Lower Upper

105 100

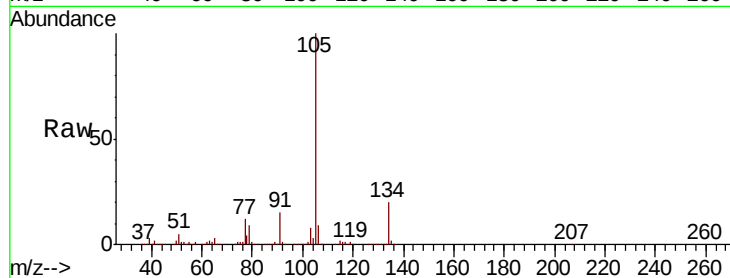
134 20.2 9.9 29.7

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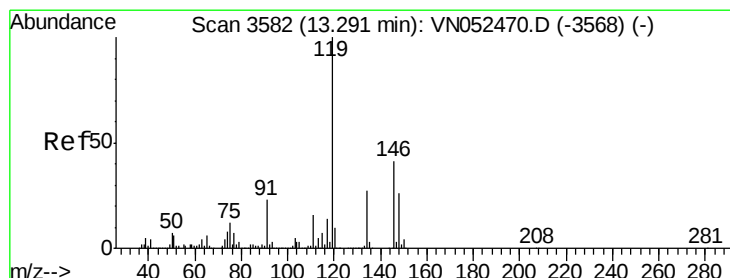
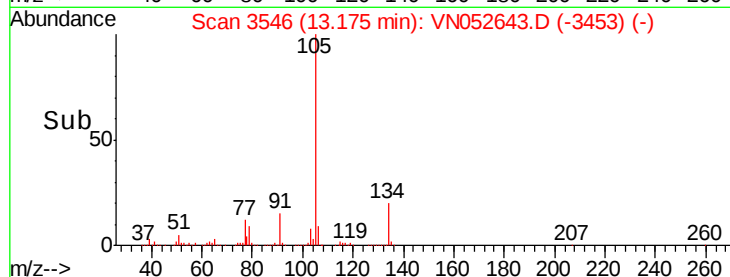
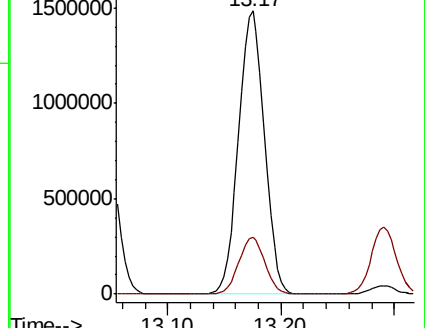
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.104 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

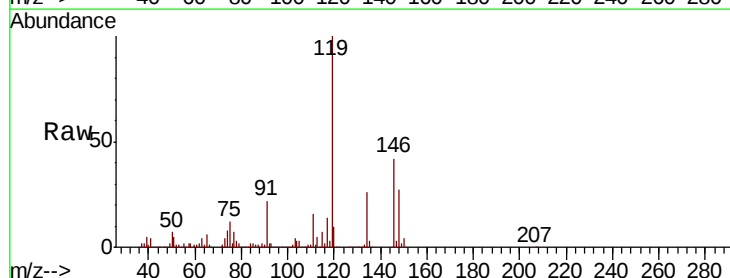
Tgt Ion:119 Resp: 2046301

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

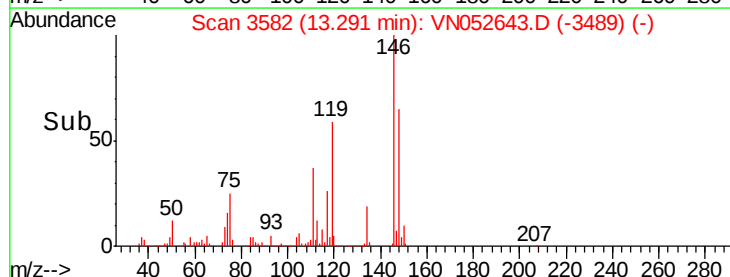
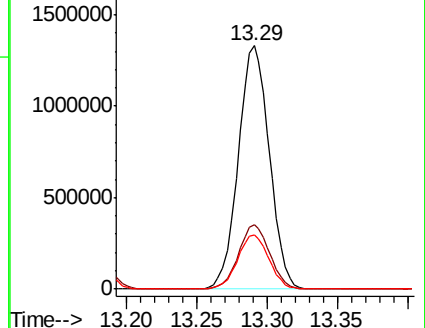
91 22.4 11.4 34.2

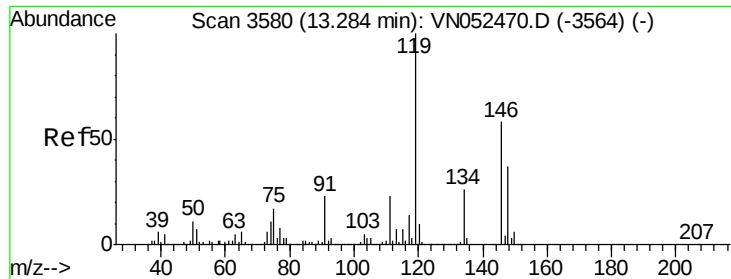


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.302 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1076862

Ion Ratio Lower Upper

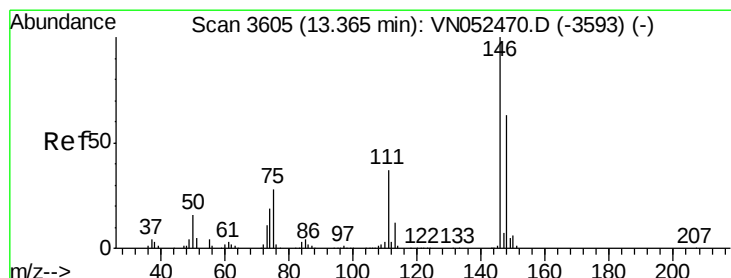
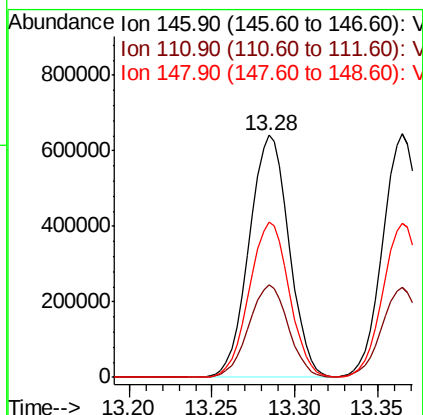
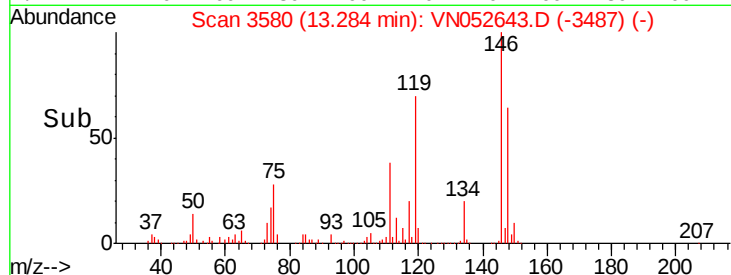
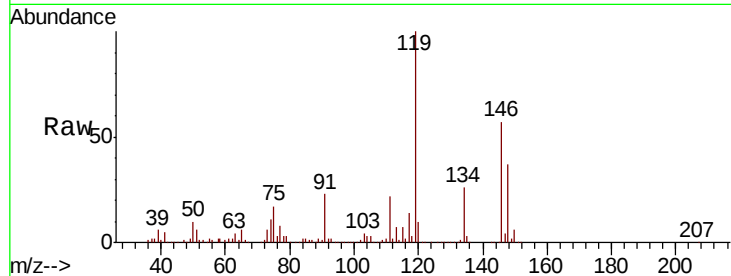
146 100

111 37.9 19.4 58.4

148 64.2 31.8 95.4

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#88

1,4-Dichlorobenzene

Concen: 49.869 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

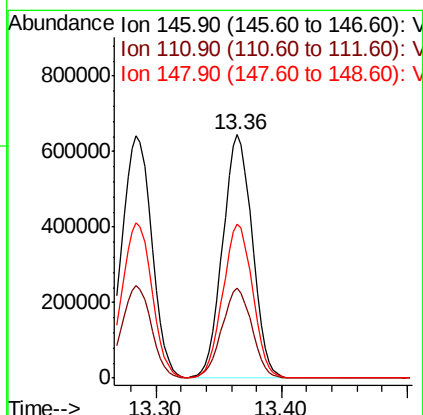
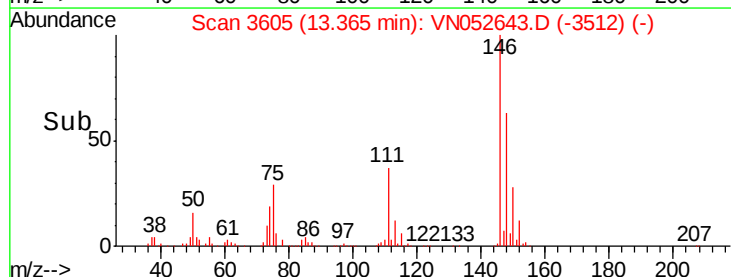
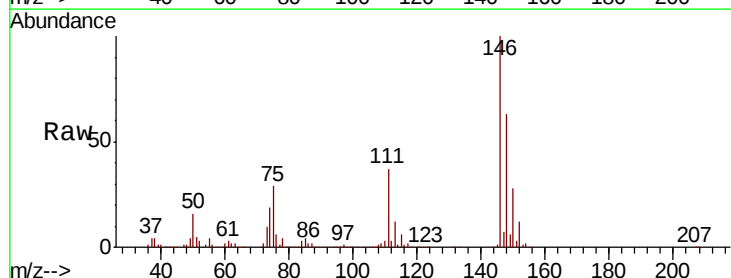
Tgt Ion:146 Resp: 1051581

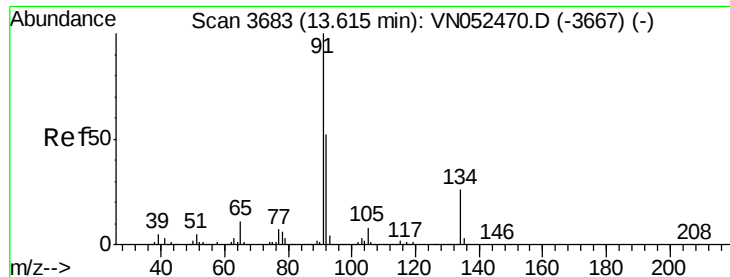
Ion Ratio Lower Upper

146 100

111 37.3 18.6 56.0

148 63.8 31.9 95.9





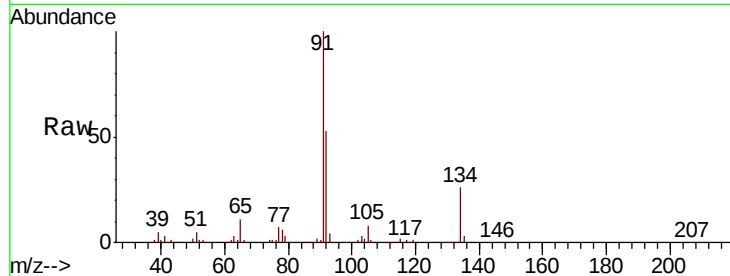
#89
n-Butylbenzene
Concen: 50.281 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

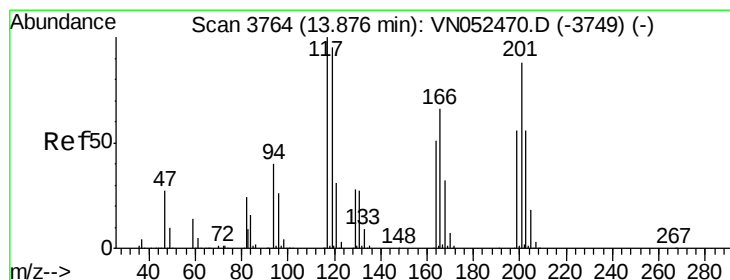
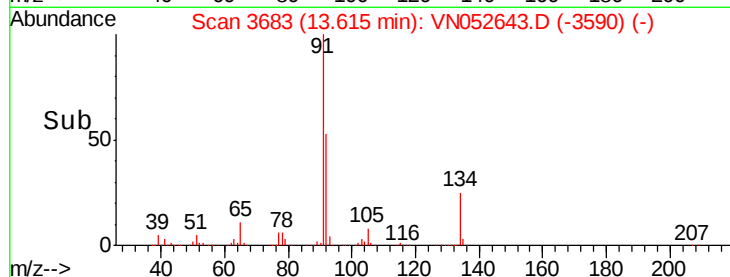
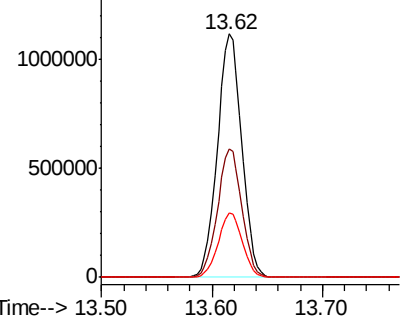
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.3
134	26.1	13.0	38.9

Manual Integrations
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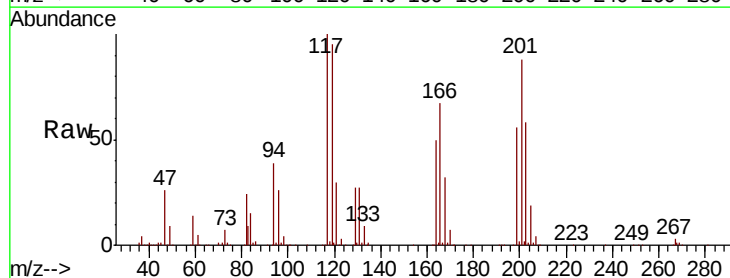


Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)

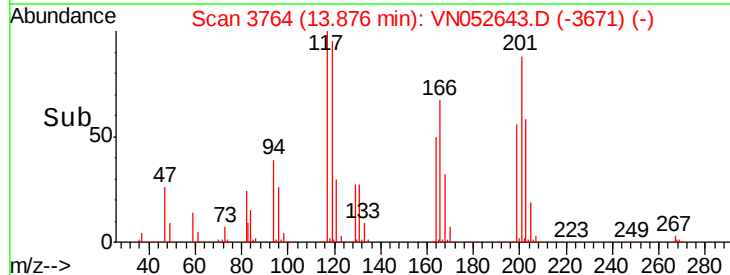
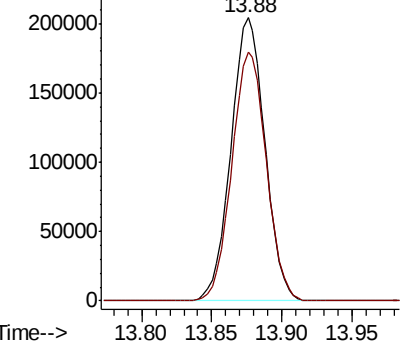


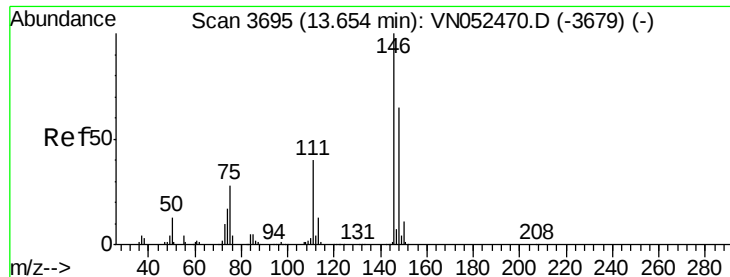
#90
Hexachloroethane
Concen: 49.920 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052643.D
Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.0	43.6	130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)





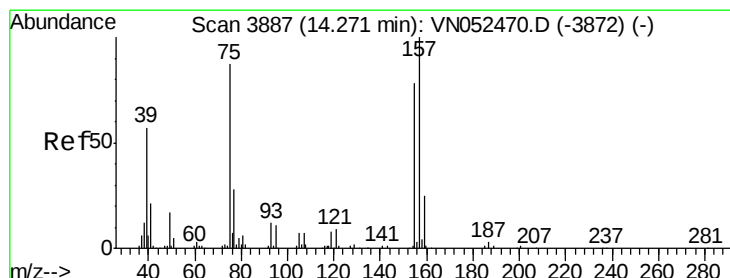
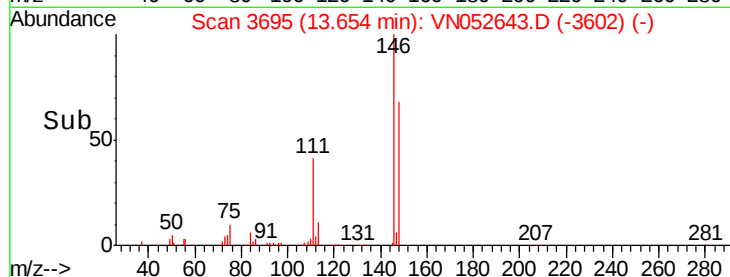
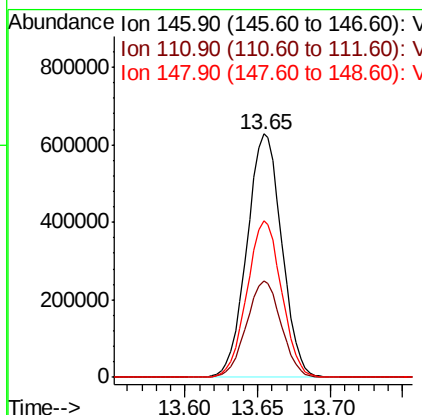
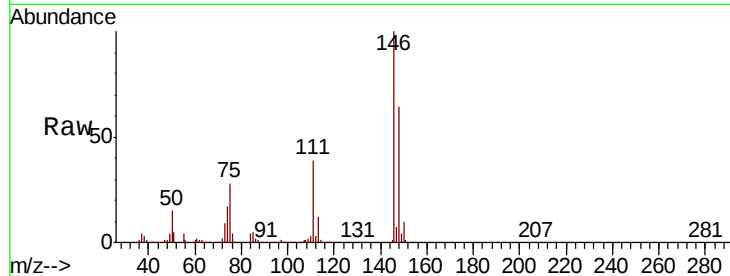
#91
 1,2-Dichlorobenzene
 Concen: 51.328 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	64.0	32.0	96.2

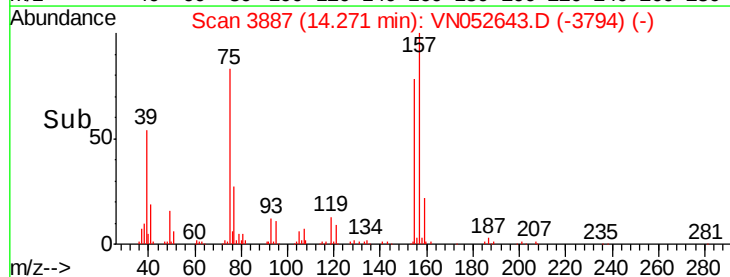
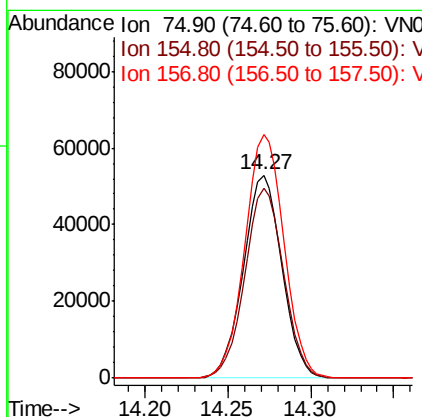
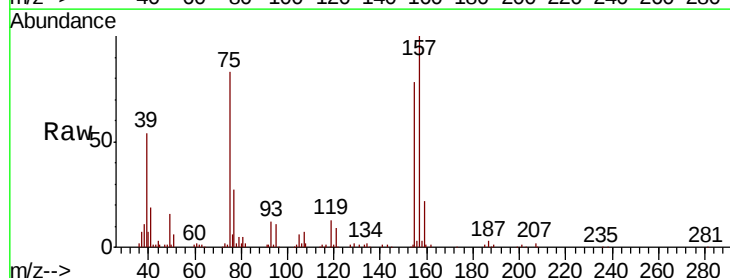
Manual Integrations
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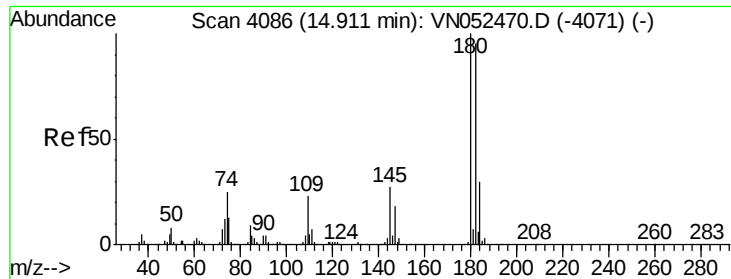
MMDadoda
 12/4/2018 2:57:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.255 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.1	45.3	135.9
157	121.9	58.1	174.2





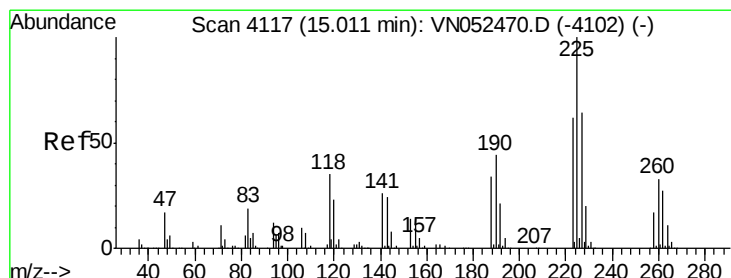
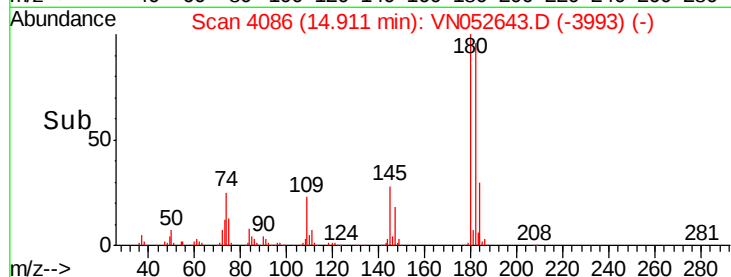
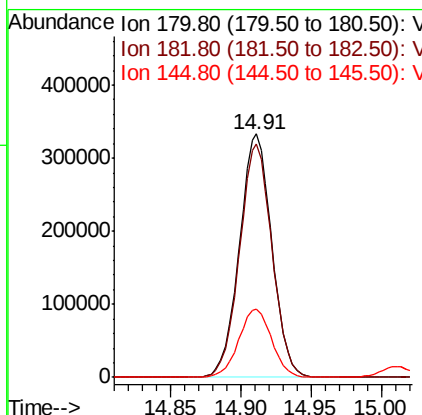
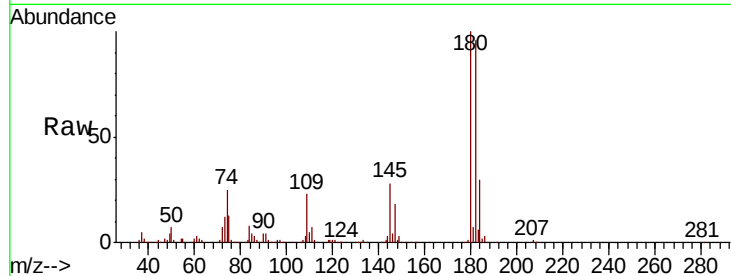
#93
 1,2,4-Trichlorobenzene
 Concen: 47.863 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	47.8	143.4	
145	28.6	14.1	42.3	

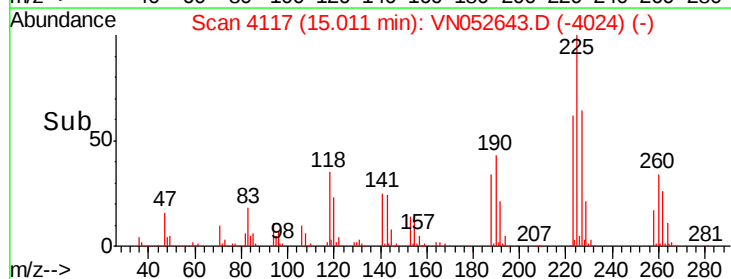
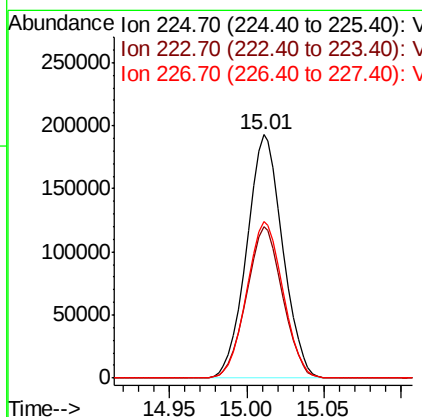
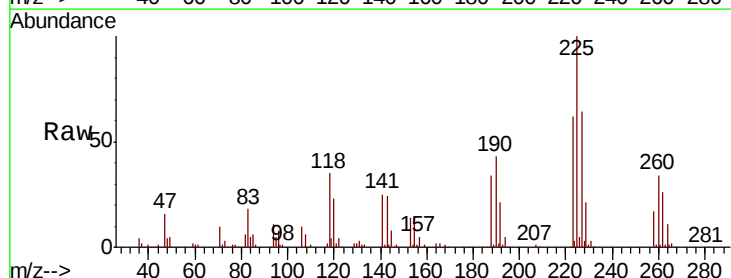
Manual Integrations
 APPROVED

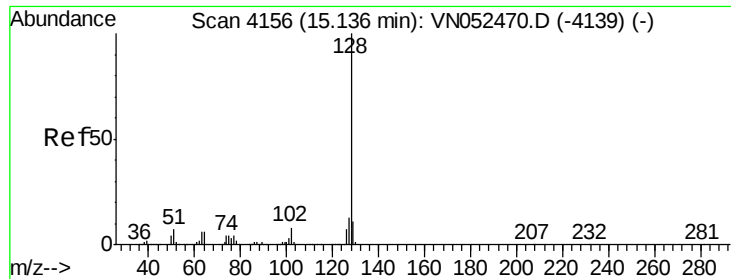
MMDadoda
 12/4/2018 2:57:08 PM



#94
 Hexachlorobutadiene
 Concen: 47.507 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052643.D
 Acq: 3 Dec 2018 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.4	94.2	
227	64.9	32.5	97.4	





#95

Naphthalene

Concen: 48.734 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1155750

Ion Ratio Lower Upper

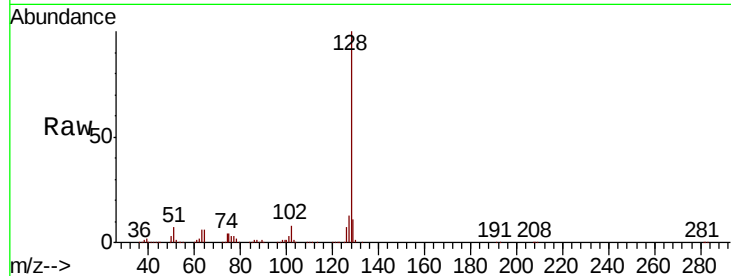
128 100

127 12.7 10.2 15.2

129 10.7 8.7 13.1

Manual Integrations
APPROVED

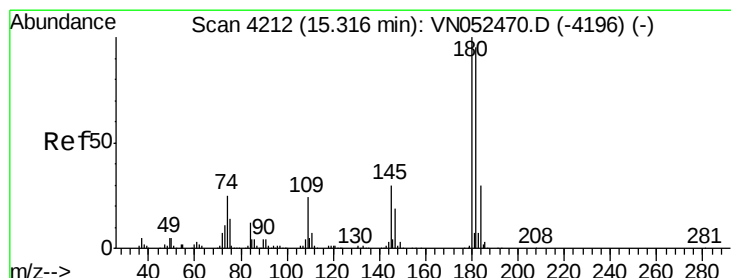
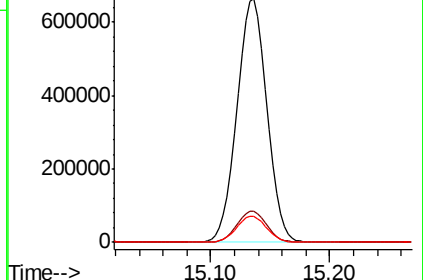
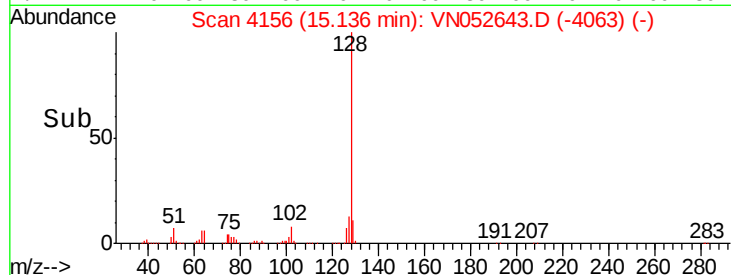
MMDadoda
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.429 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052643.D

Acq: 3 Dec 2018 20:30

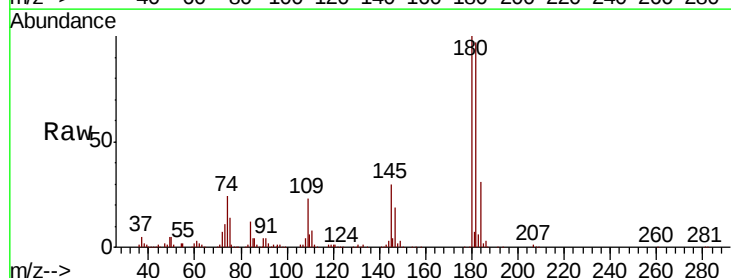
Tgt Ion:180 Resp: 497967

Ion Ratio Lower Upper

180 100

182 97.0 47.8 143.3

145 30.1 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

