LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061260.D
Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.686	122	128	131	rBV3	18050	50758	5.22%	0.458%
2	3.267	182	187	200	rBV	186863	549282	56.52%	4.953%
3	3.877	245	249	258	rBV	11771	34980	3.60%	0.315%
4	6.141	474	479	482	rBV2	4447	13385	1.38%	0.121%
5	6.191	482	484	490	rVB2	4379	10357	1.07%	0.093%
6	6.988	560	565	572	rBV	45781	119259	12.27%	1.075%
7	7.106	572	577	593	rVB	221358	599780	61.72%	5.408%
8	7.520	613	619	628	rBV	147062	396763	40.83%	3.578%
9	7.756	636	643	649	rBV3	11602	43061	4.43%	0.388%
10	8.278	691	696	706	rBV	329070	810498	83.40%	7.308%
11	8.632	725	732	736	rVB2	8616	23592	2.43%	0.213%
12	9.075	773	777	782	rVB4	3530	11135	1.15%	0.100%
13	9.607	827	831	836	rVB	12839	30633	3.15%	0.276%
14	9.784	845	849	853	rBV2	11513	28505	2.93%	0.257%
15	9.961	862	867	869	rBV	6143	11450	1.18%	0.103%
16	10.178	884	889	891	rVB3	5349	13389	1.38%	0.121%
17	10.463	908	918	924	rBV	440039	971776	100.00%	8.763%
18	10.562	924	928	936	rVB2	10540	31576	3.25%	0.285%
19	10.837	954	956	962	rVB4	5824	10458	1.08%	0.094%
20	11.290	1000	1002	1006	rVB2	5145	10164	1.05%	0.092%
21	11.526	1022	1026	1029	rBV3	3338	10438	1.07%	0.094%
22	12.166	1086	1091	1092	rBV2	5292	10861	1.12%	0.098%
23	12.215	1092	1096	1100	rVB3	13330	29766	3.06%	0.268%
24	12.343	1105	1109	1111	rVV	15049	26998	2.78%	0.243%
25	12.402	1111	1115	1124	rVV	547309	900644	92.68%	8.121%
26	12.560	1127	1131	1135	rVB	42814	74009	7.62%	0.667%
27	12.698	1141	1145	1150	rVV	119175	224276	23.08%	2.022%
28	12.767	1150	1152	1157	rVB3	21483	43276	4.45%	0.390%
29	13.023	1176	1178	1181	rBV3	10217	19261	1.98%	0.174%
30	13.082	1181	1184	1192	rVB	62445	112716	11.60%	1.016%
31	13.249	1195	1201	1205	rBV4	13506	30708	3.16%	0.277%
32	13.338	1205	1210	1215	rVB4	14399	42014	4.32%	0.379%
33	13.426	1216	1219	1223	rVB2	21515	33252	3.42%	0.300%
34	13.505	1223	1227	1231	rBV4	7572	24727	2.54%	0.223%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061260.D
Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Title : SW846 8260

35	13.584	1232	1235	1243	rVB	424044	616657	63.46%	5.560%
36	13.692	1243	1246	1248	rBV2	16517	20823	2.14%	0.188%
37	13.741	1248	1251	1253	rVB2	13378	18402	1.89%	0.166%
38	13.800	1254	1257	1260	rVB	43168	47510	4.89%	0.428%
39	13.879	1262	1265	1266	rBV	110107	157862	16.24%	1.423%
40	13.909	1266	1268	1270	rVB	58977	73259	7.54%	0.661%
41	13.958	1270	1273	1275	rBV	92332	127462	13.12%	1.149%
42	14.106	1285	1288	1293	rBV	73337	112381	11.56%	1.013%
43	14.224	1298	1300	1301	rVV2	17645	22736	2.34%	0.205%
44	14.263	1301	1304	1310	rVB	353465	449672	46.27%	4.055%
45	14.352	1310	1313	1314	rBV3	8860	11623	1.20%	0.105%
46	14.391	1314	1317	1319	rVV4	11430	23093	2.38%	0.208%
47	14.460	1319	1324	1329	rVV6	32759	71624	7.37%	0.646%
48	14.539	1329	1332	1335	rVV	469889	671248	69.07%	6.053%
49	14.578	1335	1336	1342	rVV	128961	190648	19.62%	1.719%
50	14.667	1344	1345	1347	rVV2	11839	15387	1.58%	0.139%
51	14.736	1349	1352	1356	rVV2	138378	250516	25.78%	2.259%
52	14.804	1356	1359	1364	rVV	124426	201036	20.69%	1.813%
53	14.873	1364	1366	1367	rVV	16534	18103	1.86%	0.163%
54	14.903	1367	1369	1371	rVV2	36829	58693	6.04%	0.529%
55	14.932	1371	1372	1374	rVV	28855	41467	4.27%	0.374%
56	15.001	1377	1379	1380	rVV	57892	67593	6.96%	0.609%
57	15.031	1380	1382	1384	rVV	49423	74406	7.66%	0.671%
58	15.080	1384	1387	1389	rVV	169985	207418	21.34%	1.870%
59	15.120	1389	1391	1392	rVV	15896	21588	2.22%	0.195%
60	15.159	1392	1395	1403	rVV3	61932	128318	13.20%	1.157%
61	15.287	1406	1408	1411	rVV2	27021	51609	5.31%	0.465%
62	15.366	1411	1416	1418	rVV	116588	177811	18.30%	1.603%
63	15.405	1418	1420	1422	rVV	100056	125574	12.92%	1.132%
64	15.454	1422	1425	1427	rVV2	41968	65053	6.69%	0.587%
65	15.494	1427	1429	1432	rVV2	14196	30947	3.18%	0.279%
66	15.553	1432	1435	1436	rVV2	15353	26483	2.73%	0.239%
67	15.592	1436	1439	1442	rVV	73373	109793	11.30%	0.990%
68	15.651	1443	1445	1447	rVV	31155	55347	5.70%	0.499%
69	15.700	1447	1450	1454	rVV	175533	277722	28.58%	2.504%
70	15.759	1454	1456	1459	rVV2	32202	50593	5.21%	0.456%
71	15.818	1459	1462	1466	rVV3	46660	72192	7.43%	0.651%

LSC Area Percent Report

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Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Title : SW846 8260

72	15.917	1466	1472	1475	rVV4	26486	84050	8.65%	0.758%
73	15.956	1475	1476	1478	rVV	31875	27780	2.86%	0.250%
74	16.015	1478	1482	1484	rVV3	36159	64269	6.61%	0.580%
75	16.065	1484	1487	1489	rVV2	7325	12163	1.25%	0.110%
76	16.143	1492	1495	1499	rBV	585687	764752	78.70%	6.896%
77	16.222	1501	1503	1504	rVV	14738	17765	1.83%	0.160%
78	16.252	1504	1506	1508	rVB2	11069	12666	1.30%	0.114%
79	16.527	1531	1534	1540	rVB3	5572	10198	1.05%	0.092%

Sum of corrected areas: 11090039

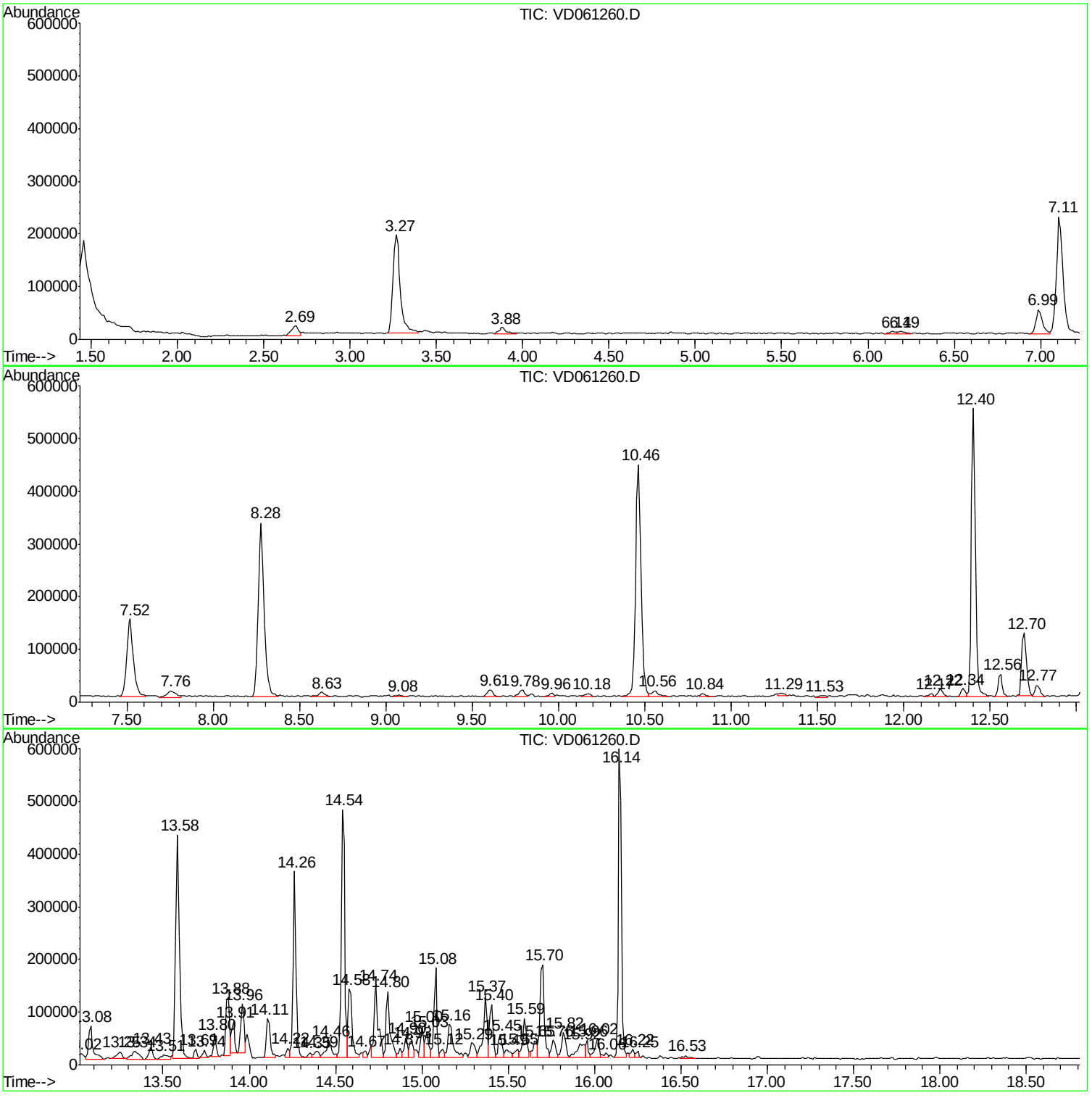
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061260.D
Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061260.D
Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

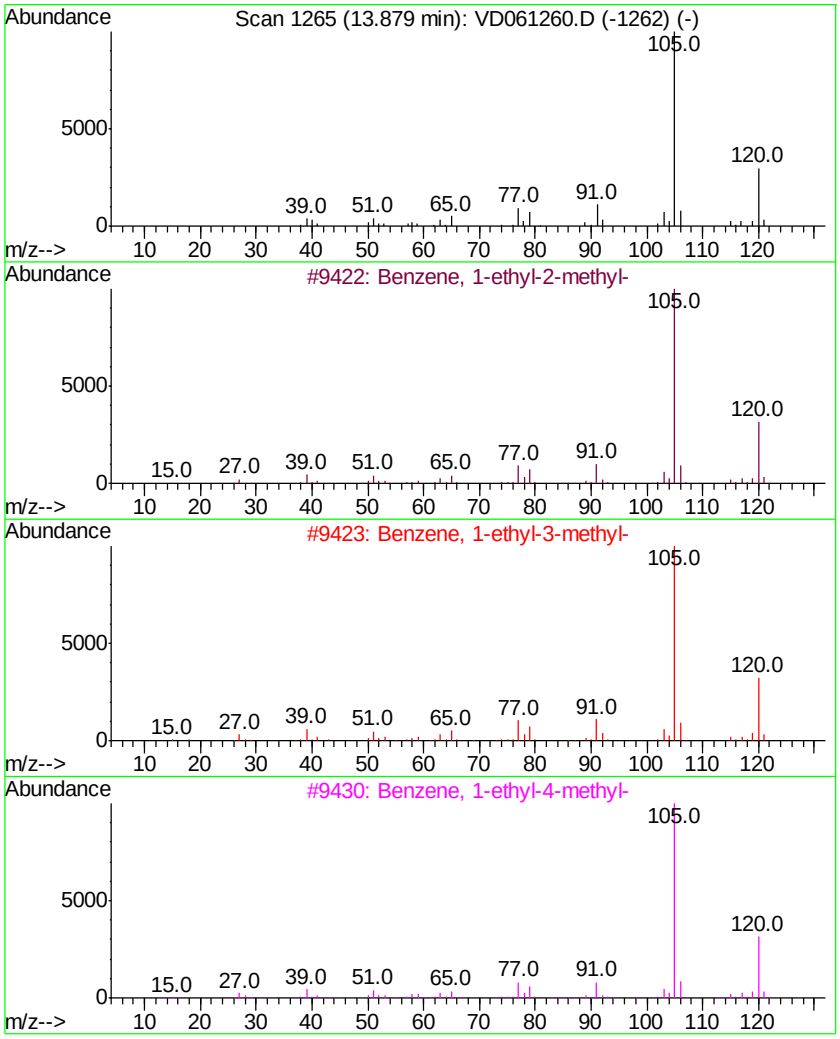
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

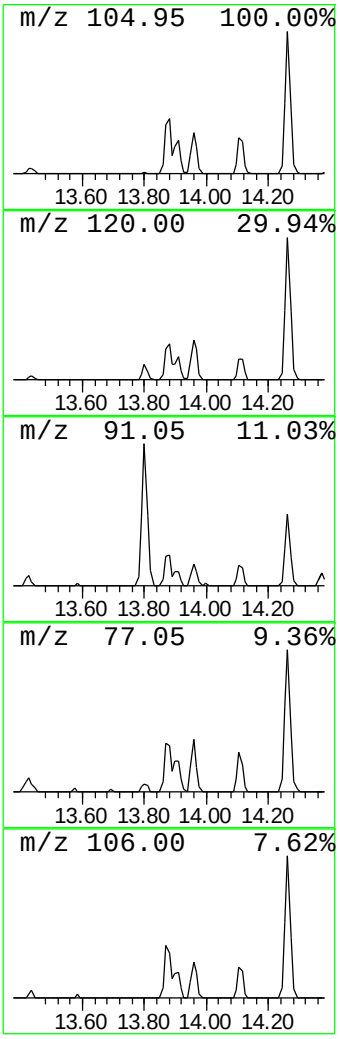
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	11.76 ug/l	157862	1,4-Dichlorobenzene-d4	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061260.D
Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

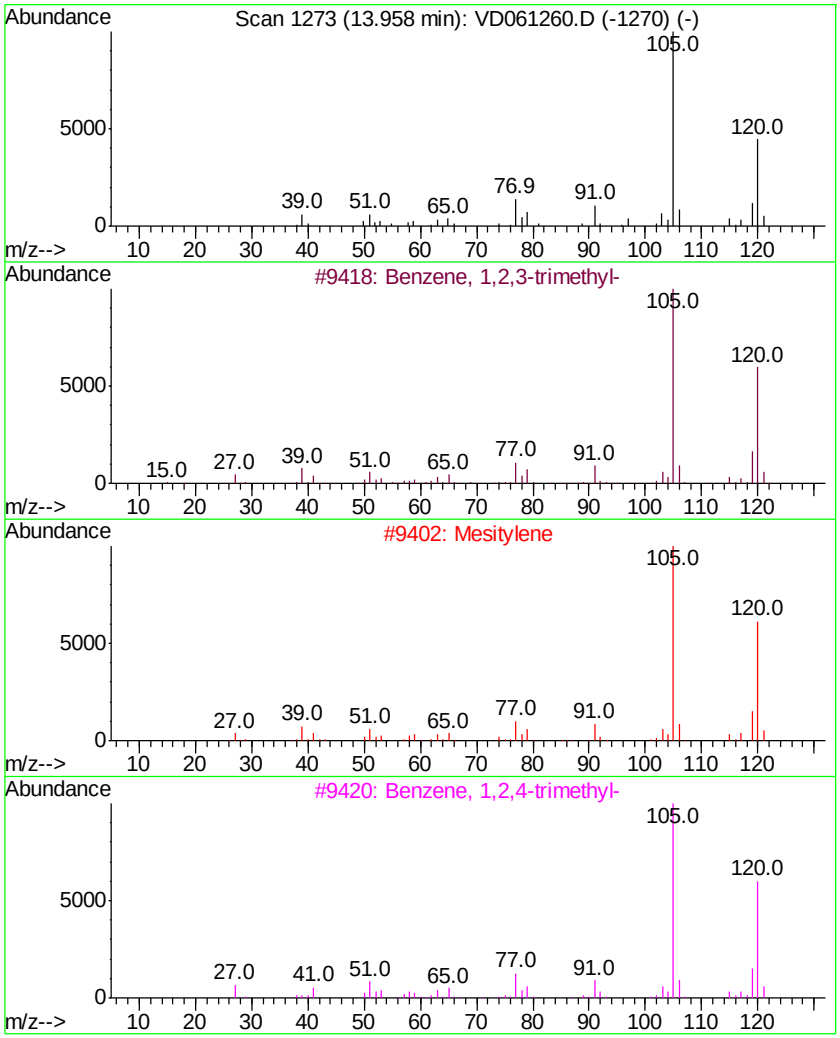
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

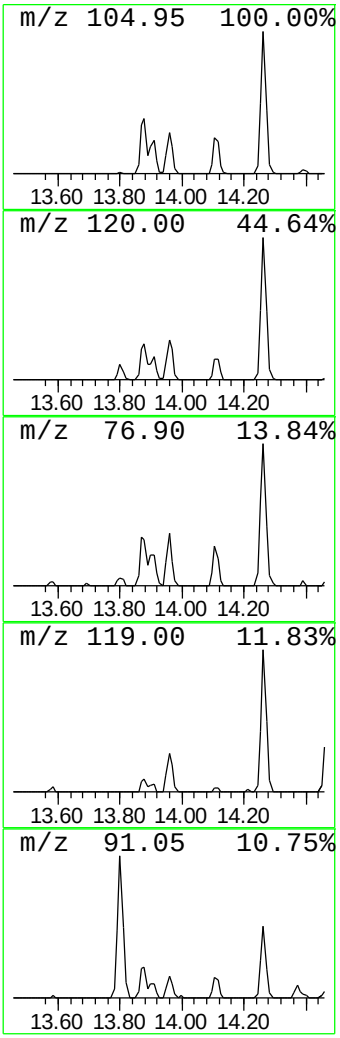
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	9.49 ug/l	127462	1,4-Dichlorobenzene-d4	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061260.D
Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

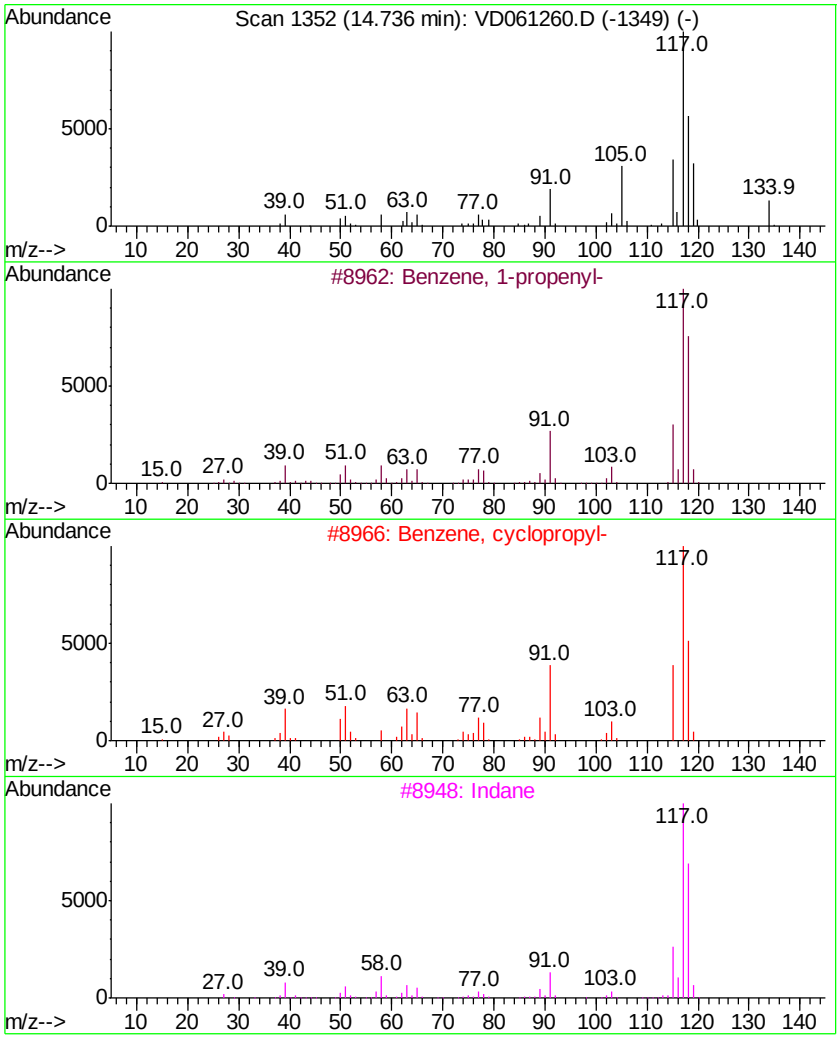
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

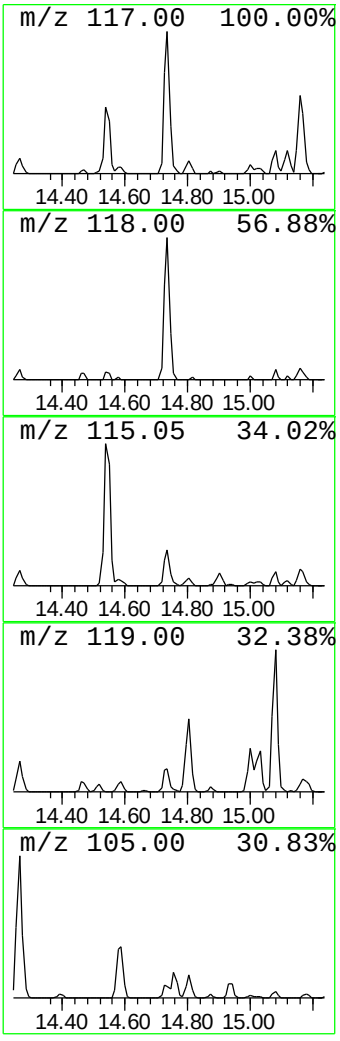
****

Peak Number 4 Benzene, 1-propenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	18.66 ug/l	250516	1,4-Dichlorobenzene-d4	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	70
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3	Indane	118	C9H10	000496-11-7	62
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	62
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061260.D
Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

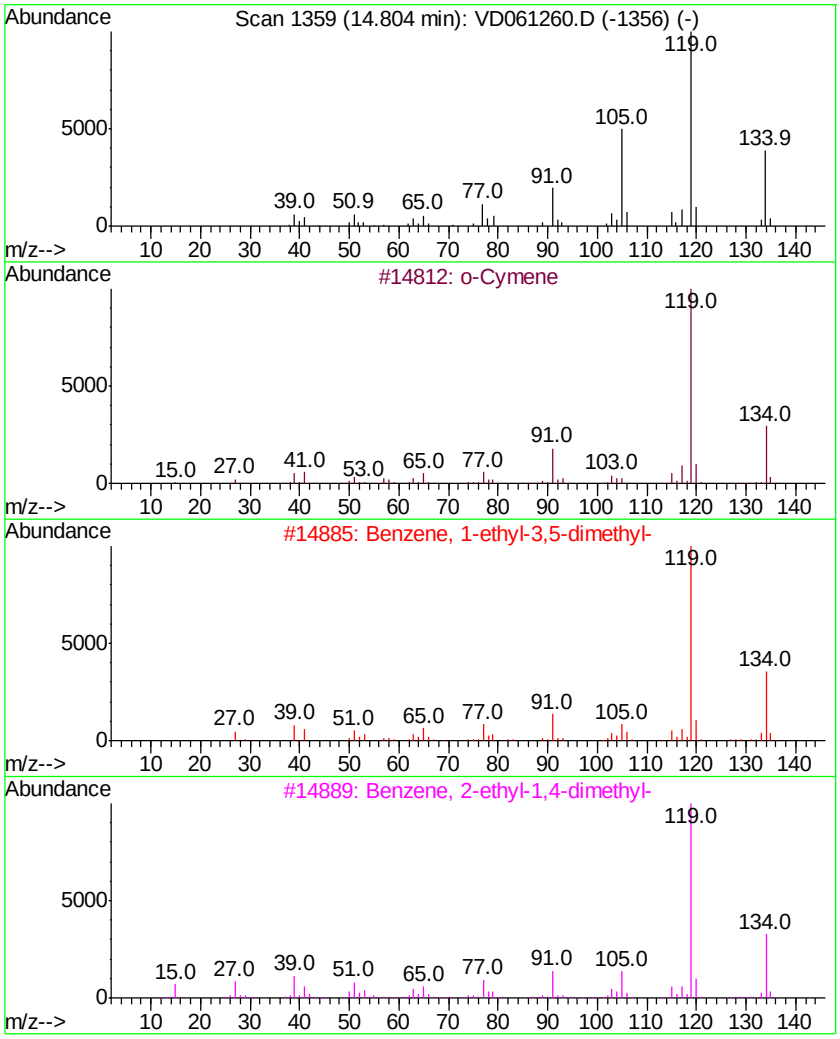
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

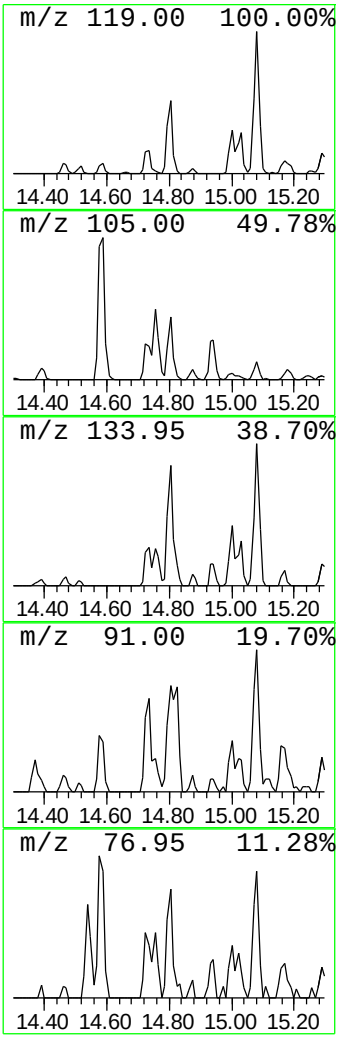
****

Peak Number 5 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	14.97 ug/l	201036	1,4-Dichlorobenzene-d4	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061260.D
Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

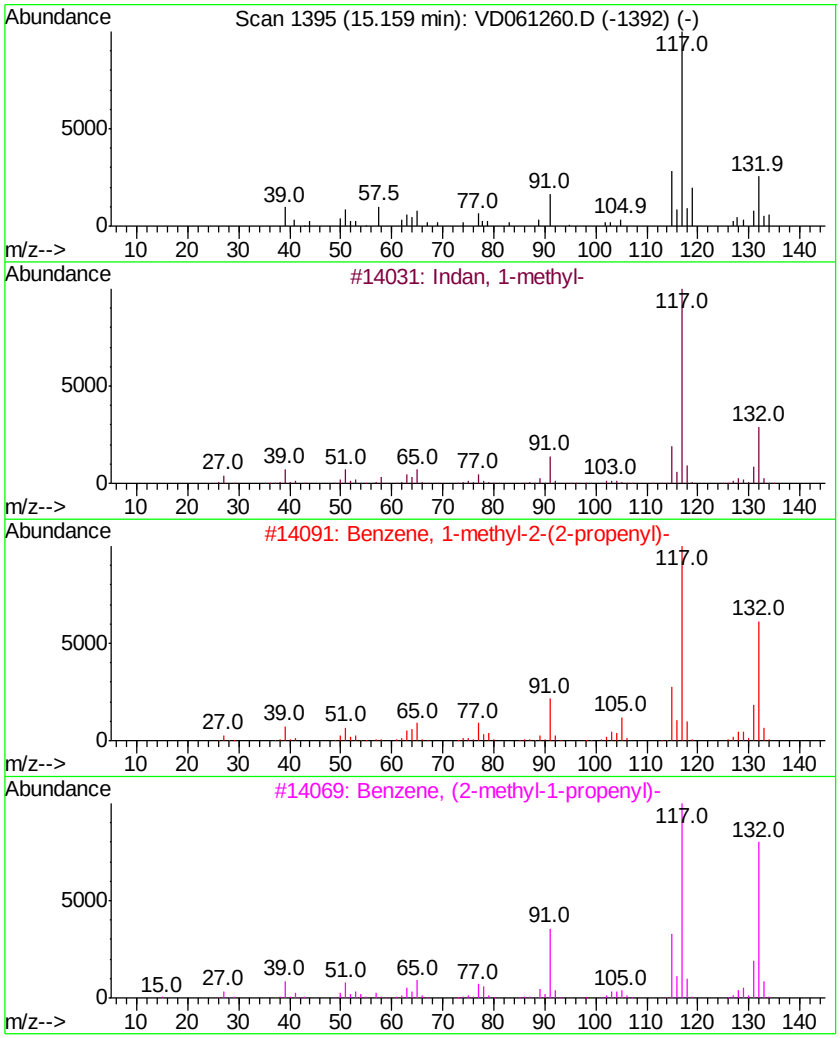
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

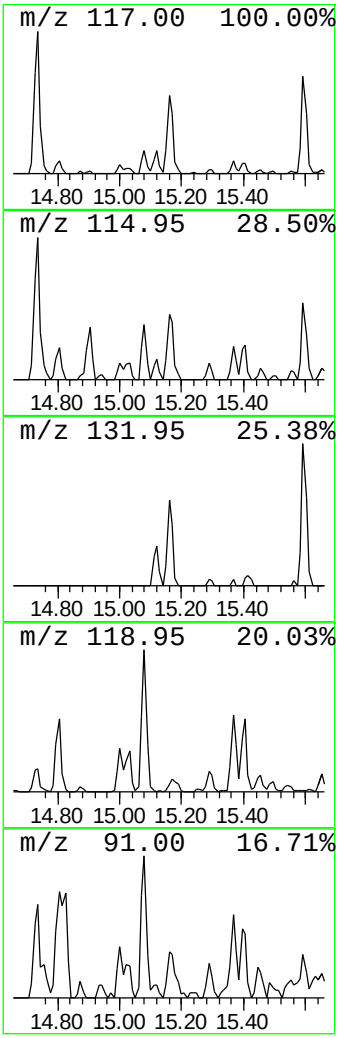
****

Peak Number 7 Indan, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	9.56 ug/l	128318	1,4-Dichlorobenzene-d4	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	76
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	72
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	72
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061260.D
Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

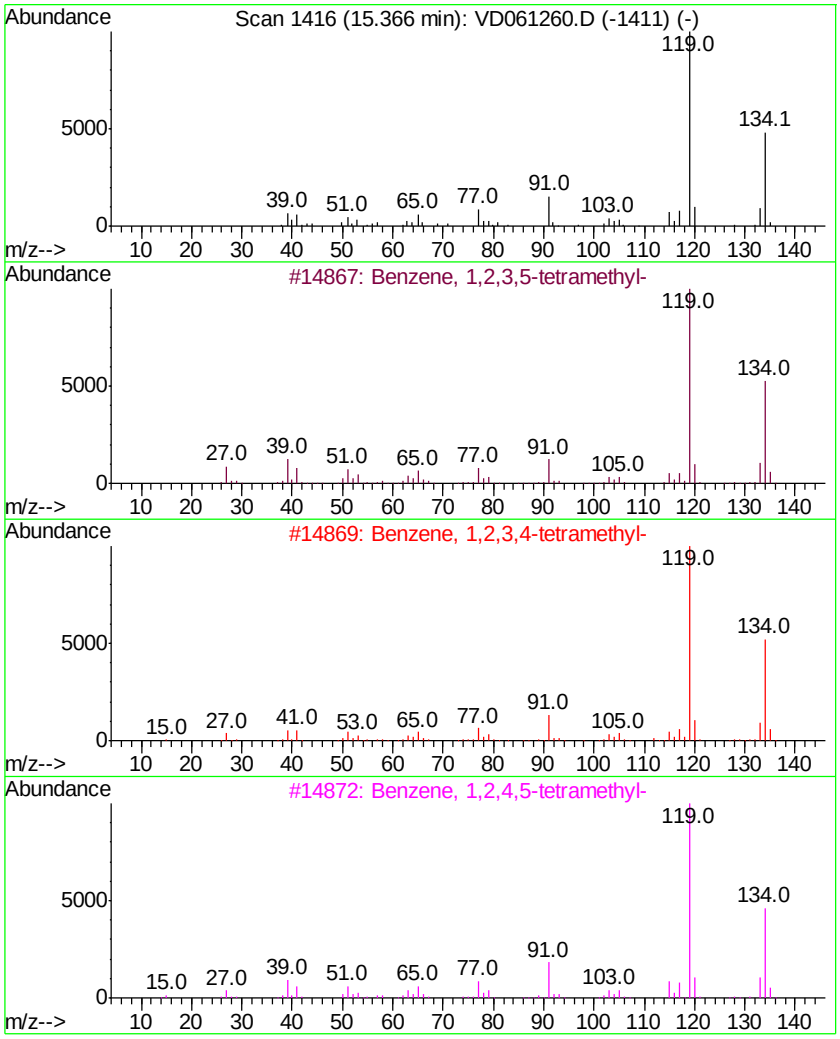
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

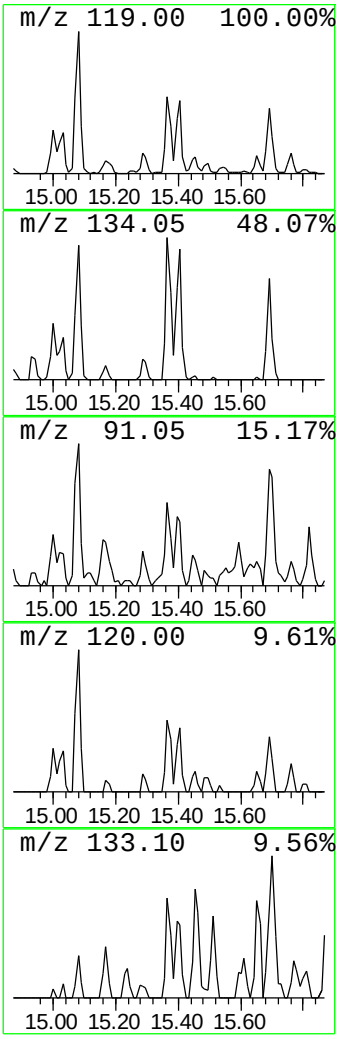
****

Peak Number 8 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	13.24 ug/l	177811	1,4-Dichlorobenzene-d4	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061260.D
Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

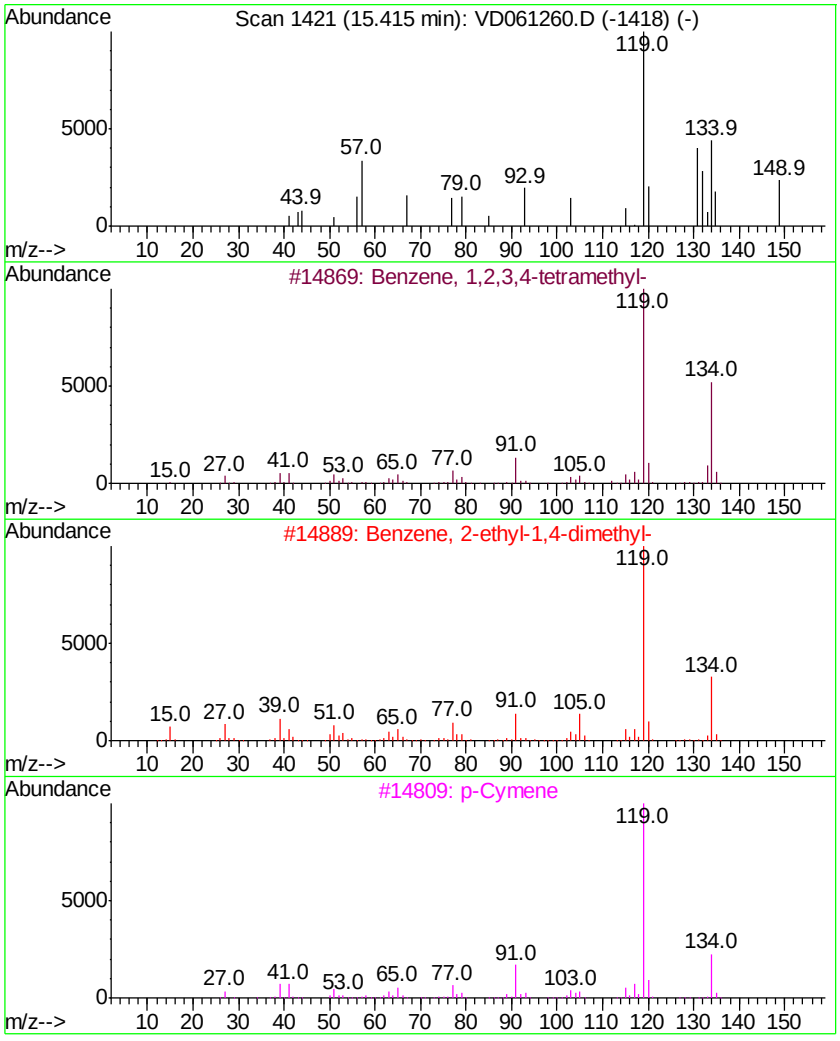
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

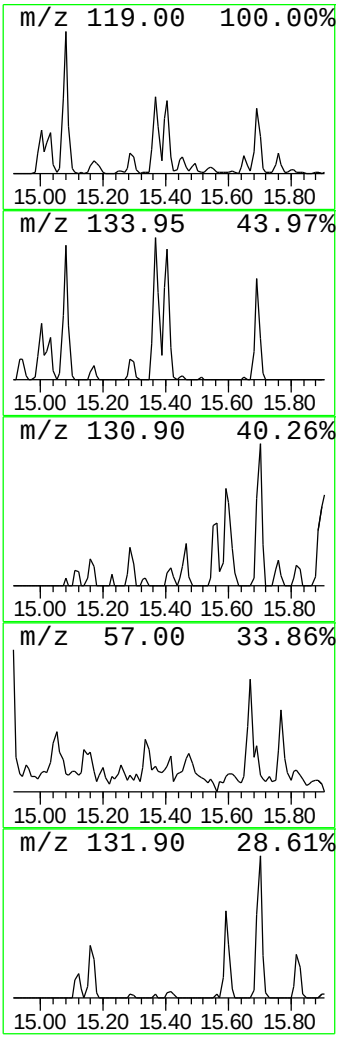
****

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	9.35 ug/l	125574	1,4-Dichlorobenzene-d4	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	p-Cymene	134	C10H14	000099-87-6	91
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
5	o-Cymene	134	C10H14	000527-84-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
Data File : VD061260.D
Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

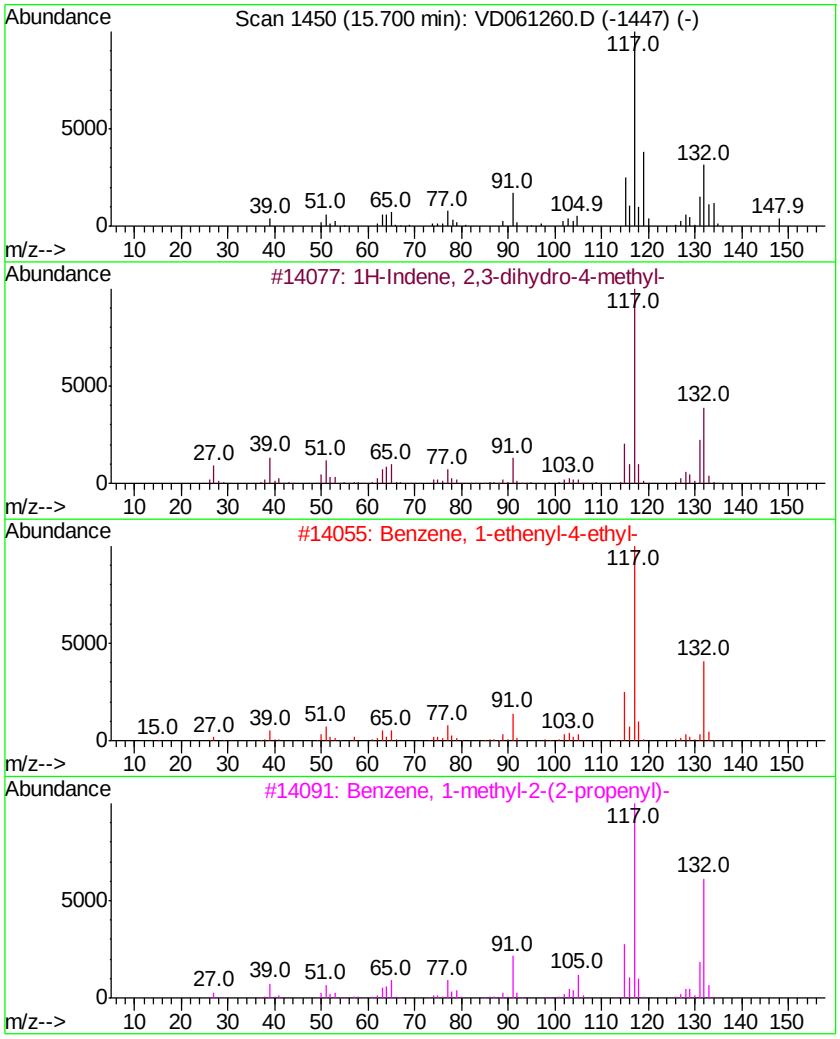
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

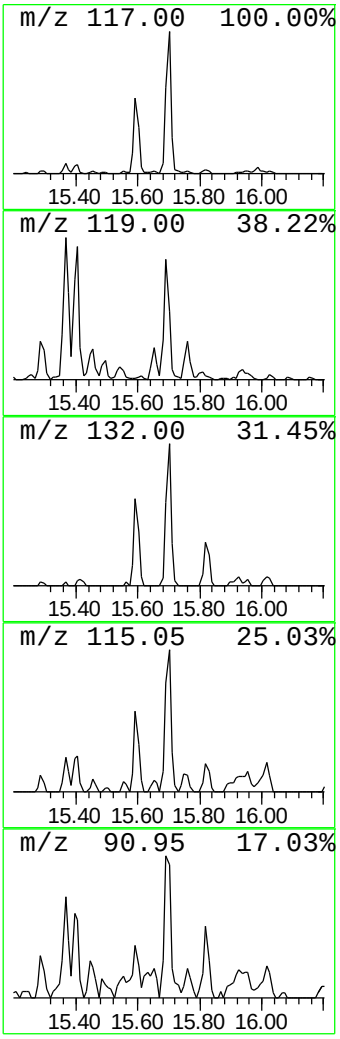
****

Peak Number 10 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	20.69 ug/l	277722	1,4-Dichlorobenzene-d4	14.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
4	Indan, 1-methyl-	132	C10H12	000767-58-8	64
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032219\
Data File : VD061260.D
Acq On : 22 Mar 2019 14:56
Operator : VA/AP
Sample : K2024-01
Misc : 8.91g/5ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : RCA-08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	13.88	11.8	ug/l	157862	4	14.55	671248	50.0
Benzene, 1,2,3-tr...	13.96	9.5	ug/l	127462	4	14.55	671248	50.0
Benzene, 1-propenyl-	14.74	18.7	ug/l	250516	4	14.55	671248	50.0
o-Cymene	14.80	15.0	ug/l	201036	4	14.55	671248	50.0
Indan, 1-methyl-	15.16	9.6	ug/l	128318	4	14.55	671248	50.0
Benzene, 1,2,3,5-...	15.37	13.2	ug/l	177811	4	14.55	671248	50.0
Benzene, 1,2,3,4-...	15.41	9.3	ug/l	125574	4	14.55	671248	50.0
1H-Indene, 2,3-di...	15.70	20.7	ug/l	277722	4	14.55	671248	50.0